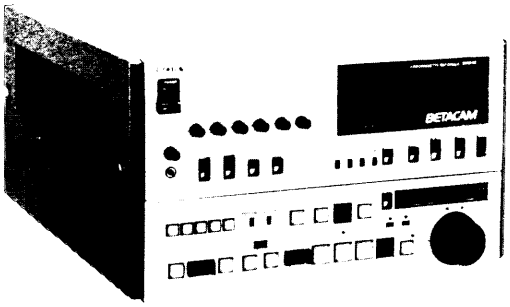
SONY

VIDEOCASSETTE RECORDER

BVW-40



BETACAM

OPERATION AND MAINTENANCE MANUAL
Volume 2 4th Edition (Revised 2)
Serial No. 10246 to 10345 (JAPAN)
Serial No. 10396 to 10930 (USA CANADA)

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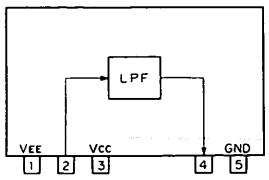
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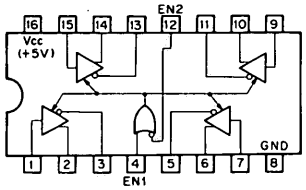
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AFL25F15000G1 (MURATA)
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— IMPRINTED SIDE VIEW —



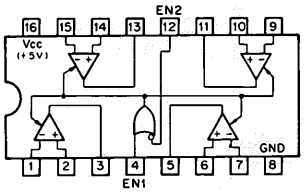
AM26LS31PC (ADVANCED MICRO DEVICE)
HIGH SPEED DIFFERENTIAL LINE DRIVER
— TOP VIEW —



FUNCTION TABLE		
EN2	EN1	OUTPUT
0	0	ENABLE
0	1	ENABLE
1	0	HI-Z
1	1	ENABLE

0 ; LOW LEVEL
1 ; HIGH LEVEL
HI-Z ; HIGH IMPEDANCE

AM26LS32PC (ADVANCED MICRO DEVICES)
HIGH SPEED DIFFERENTIAL LINE RECEIVER
— TOP VIEW —

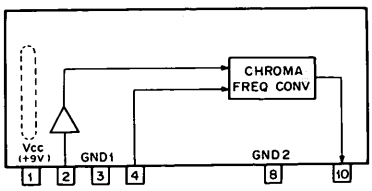


FUNCTION TABLE		
EN2	EN1	OUTPUT
0	0	ENABLE
0	1	ENABLE
1	0	HI-Z
1	1	ENABLE

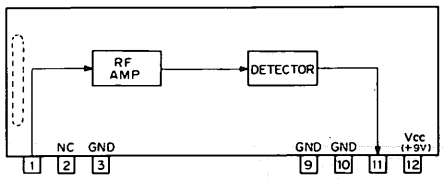
0; LOW LEVEL
1 ; HIGH LEVEL
HI-Z ; HIGH IMPEDANCE

	SENSE	INPUT VOLT
LS32	±200mV	± 7V
LS33	±500mV	±15V

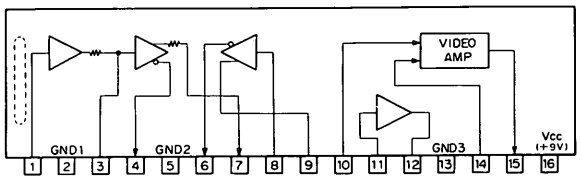
BX1056 (SONY)
CHROMA FREQUENCY CONVERTER
— REAR VIEW —



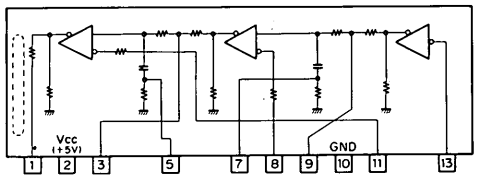
BX1098 (SONY)
RF METER DRIVER
— REAR VIEW —



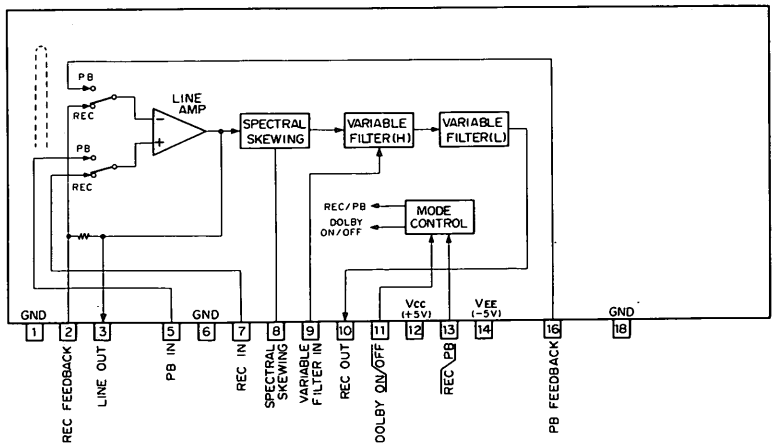
BX1099 (SONY)
ACTIVE EQUALIZER
— REAR VIEW —



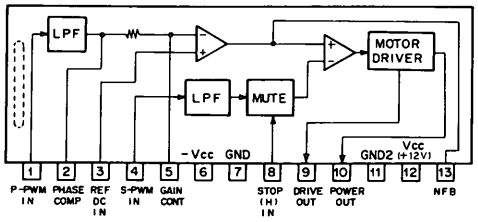
BX1140 (SONY)
HF AMP
— REAR VIEW —



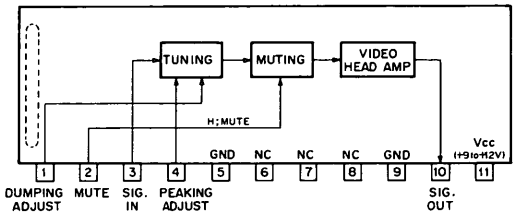
BX1152 (SONY)
DOLBY (C TYPE) NOISE REDUCTION SYSTEM
— REAR VIEW —



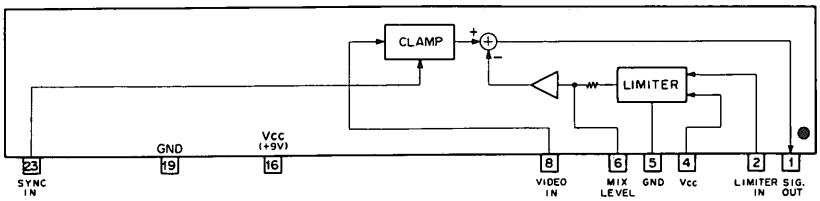
BX1154 (SONY)
DRUM PWM
— REAR VIEW —



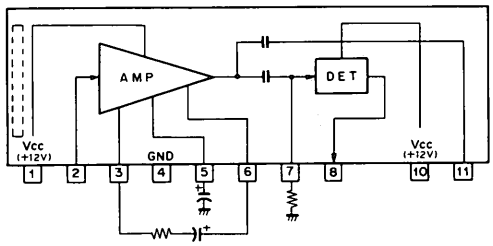
BX350 (SONY)
BX350A (SONY)
VIDEO HEAD AMP/MUTING
— REAR VIEW —



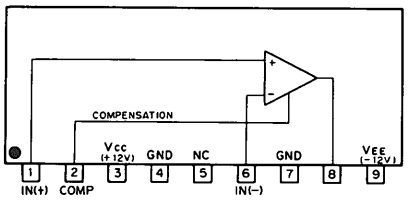
BX1282 (SONY)
VIDEO CLAMP/HIGH FREQUENCY COMPONENT PRE-EMPHASIS
— PRINTED SIDE VIEW —



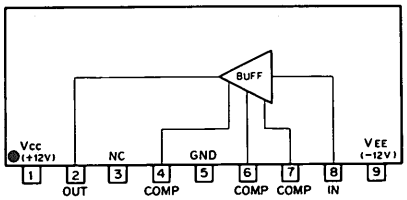
BX342 (SONY)
AMPLIFIER/DETECTOR
— REAR VIEW —



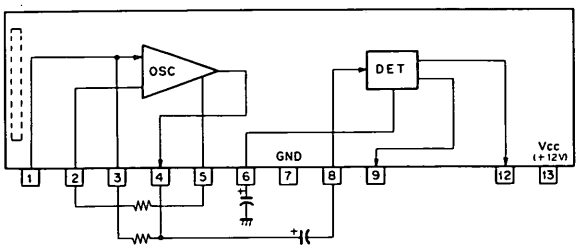
BX365A (SONY)
VIDEO AMPLIFIER
— SIDE VIEW —



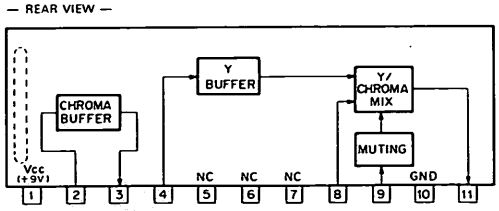
BX366A (SONY)
VIDEO BUFFER
— SIDE VIEW —



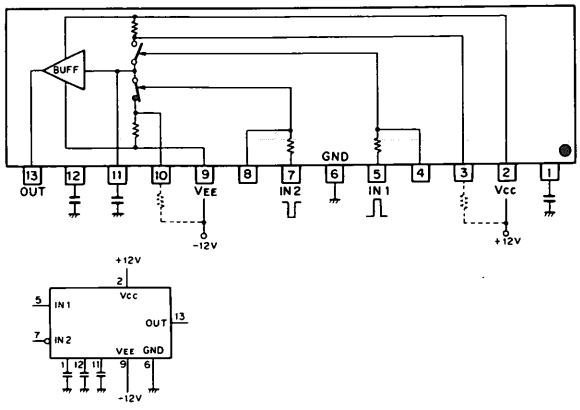
BX343 (SONY)
OSCILLATOR/DETECTOR
— REAR VIEW —



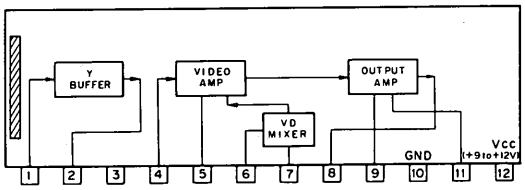
BX373 (SONY)
BX373A (SONY)
MIX AMP
— REAR VIEW —



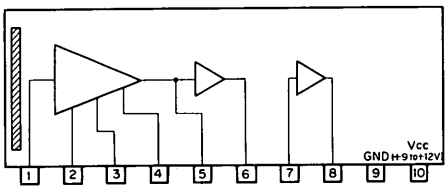
BX381 (SONY)
PHASE COMPARATOR
— SIDE VIEW —



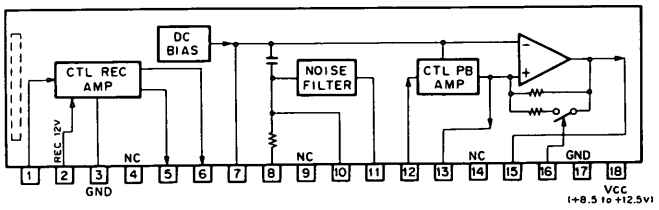
BX388 (SONY)
VIDEO AMP/VD MIXER
— PRINTED SIDE —



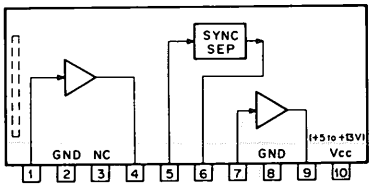
BX389 (SONY)
VIDEO AMPLIFIER
— PRINTED SIDE —



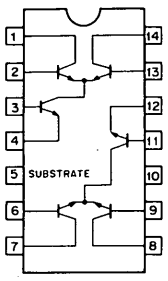
BX3914 (SONY)
CTL REC/PB AMPLIFIER
— PRINTED SIDE —



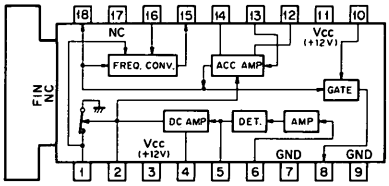
BX3915A (SONY)
SYNC SEPARATOR
— PRINTED SIDE —



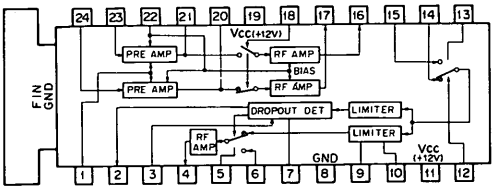
CA3054 (RCA)
DIFFERENTIAL AMPLIFIER
— TOP VIEW —



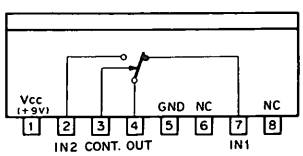
CX133A (SONY)
GAIN CONTROL/BALANCED MODULATOR
— TOP VIEW —



CX134A (SONY)
HEAD AMP/DROPOUT COMPENSATOR
— TOP VIEW —



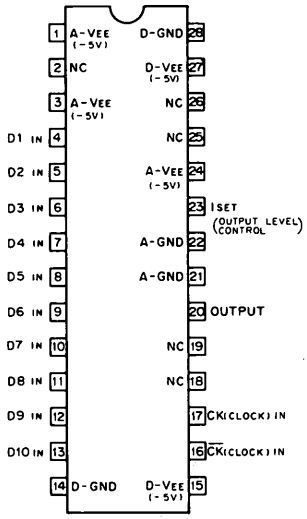
CX20061 (SONY)
ANALOG SWITCH
— SIDE VIEW —

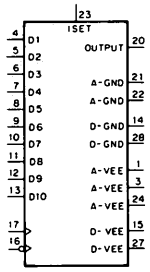


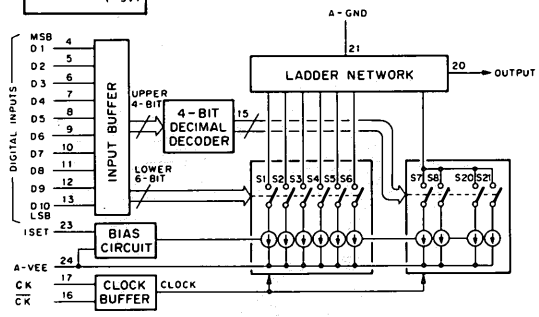
CONT.	SW
0	
1	

0 ; LOW LEVEL
1 ; HIGH LEVEL

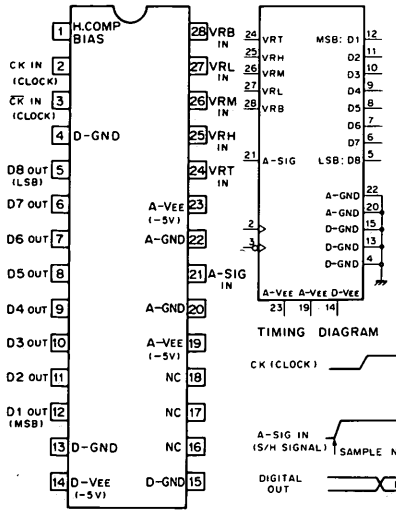
CX20051 (SONY)
CX20051A (SONY)
10-BIT D/A CONVERTER (ECL INPUT)
— TOP VIEW —







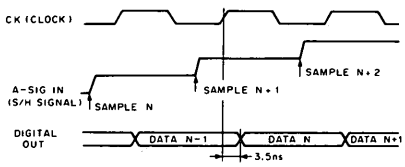
CX20052 (SONY)
CX20052A (SONY)
8-BIT FEED-FORWARD TYPE A/D CONVERTER (ECL OUTPUT)
— TOP VIEW —



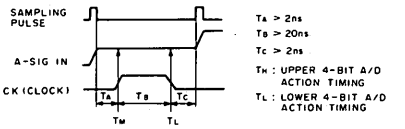
OUTPUT CODING

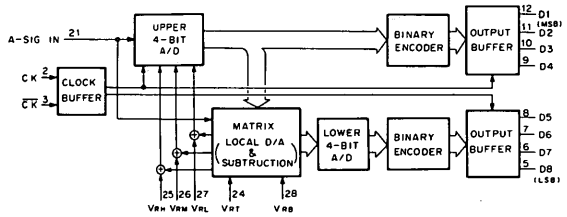
STEP	RANGE EX. 2.000V FULL SCALE	OUTPUTS MSB LSB
000	0.0000V	11111111
001	-0.0078V	11111110
⋮	⋮	⋮
127	-0.9961V	10000000
128	-1.0039V	01111111
129	-1.0118V	01111110
⋮	⋮	⋮
255	-2.0000V	00000000

TIMING DIAGRAM

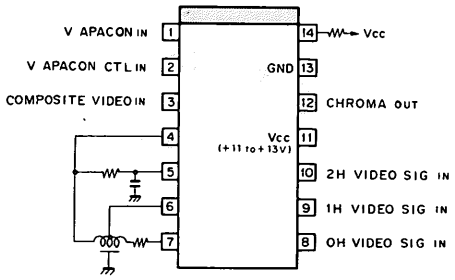


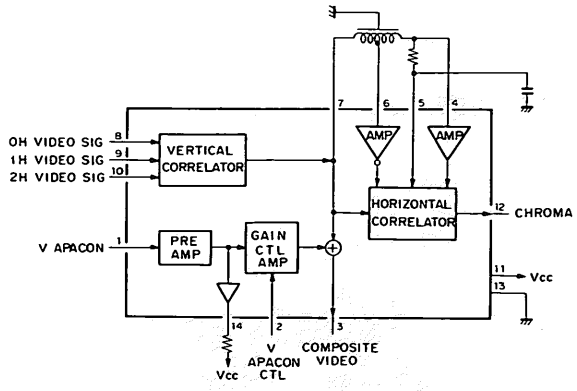
TIMING CONDITION OF ANALOG SIGNAL



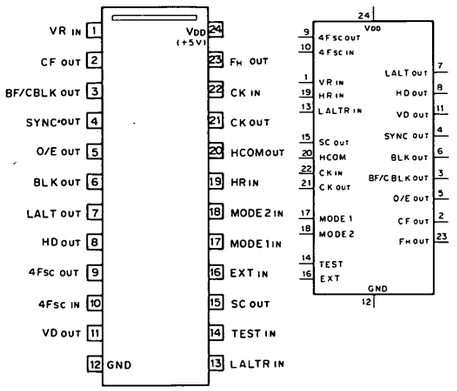


CX22013 (SONY)
DYNAMIC COMB FILTER
— TOP VIEW —





CX773A (SONY)
CX773A-1 (SONY)
C-MOS SYNC GENERATOR (NTSC, PAL-M, PAL, SECAM)
— TOP VIEW —



O/E : ODD/EVEN FIELD
CF : COLOR FRAME PULSE
HCOM : H COMPARATOR

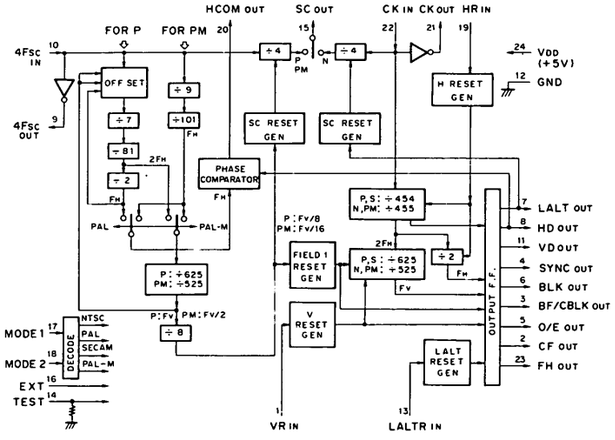
SYSTEM	4Fsc	CLOCK
NTSC	910 FH	910FH
PAL	1135FH+2Fv	908FH
PALM	909FH	910FH
SECAM	———	908FH

INPUTS MODE 1	INPUTS MODE 2	SYSTEM
0	0	NTSC
0	1	SECAM
1	0	PALM
1	1	PAL

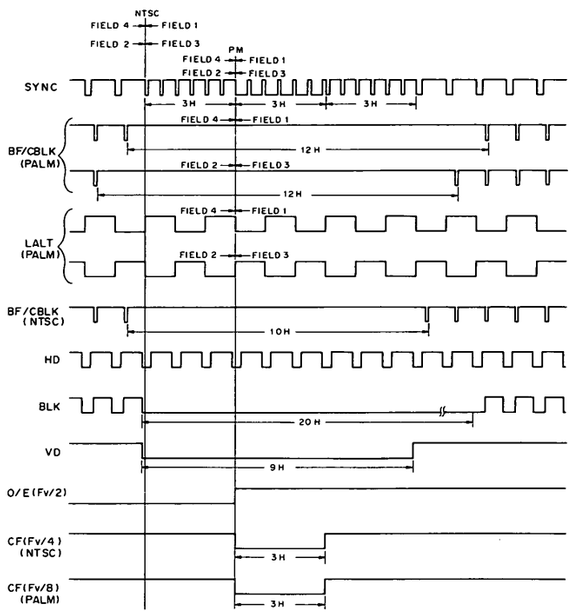
0 ; LOW LEVEL (GND)
1 ; HIGH LEVEL (VDD)

INPUTS EXT	INPUTS TEST	FUNCTION
0	0	INTERNAL
0	1	INVALID
1	0	EXT
1	1	TEST

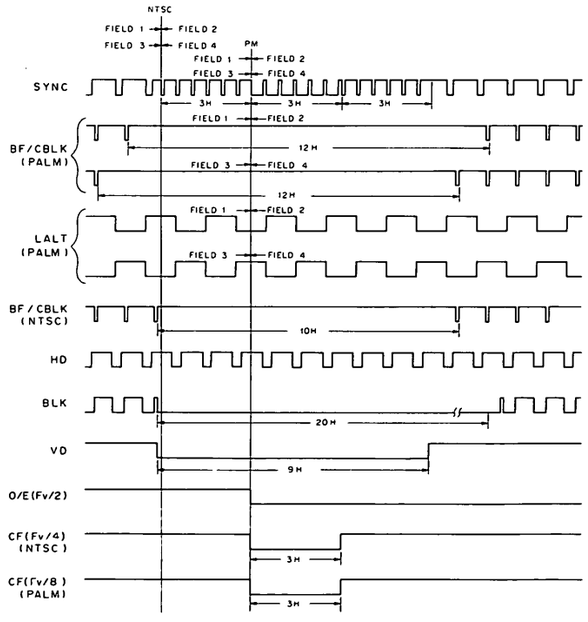
TEST "0": OPEN (INTERNALLY PULLED DOWN)



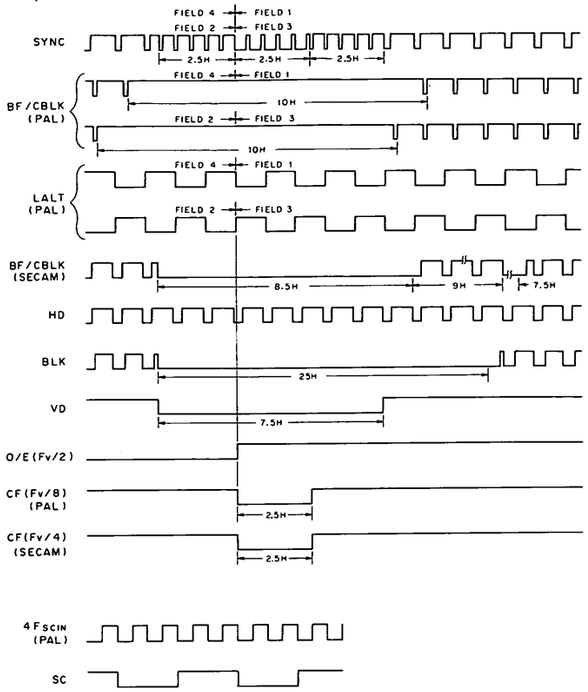
NTSC, PAL-M (FIELD 1,3)

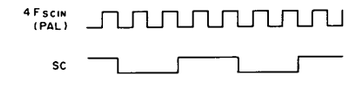


NTSC, PAL-M (FIELD 2,4)

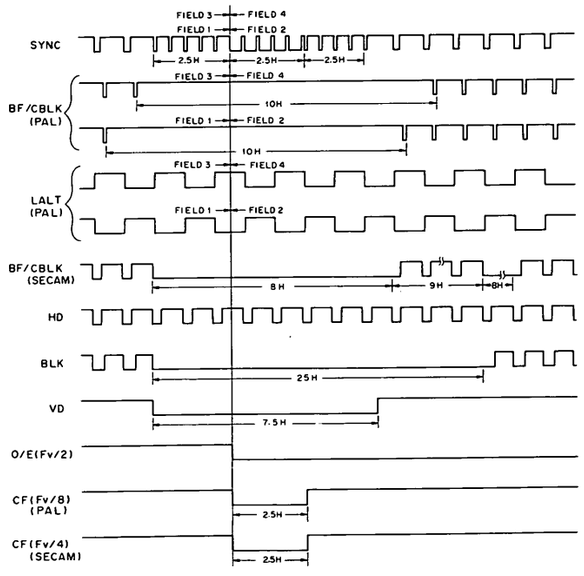


PAL, SECAM (FIELD 1,3)

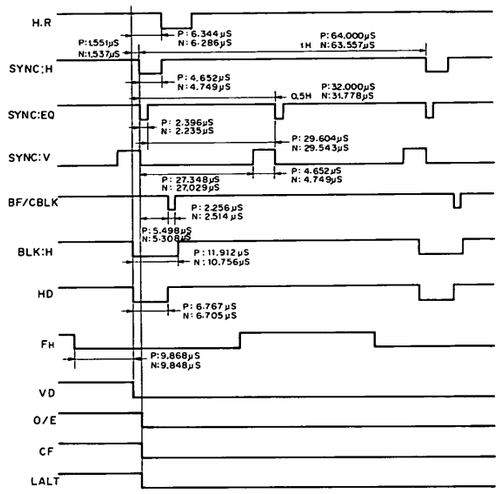




PAL, SECAM (FIELD 4,2)



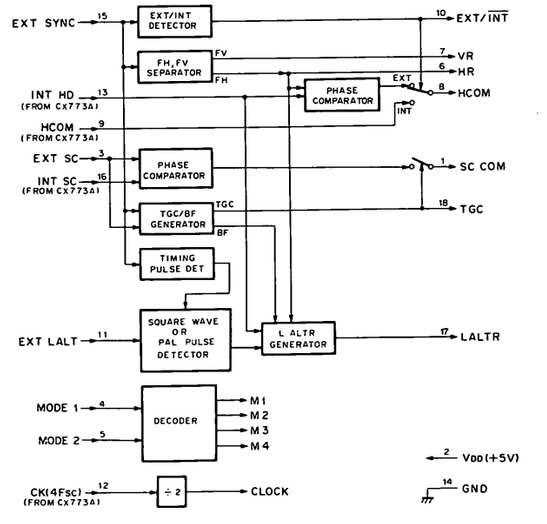
P: PAL, SECAM
N: NTSC, PALM



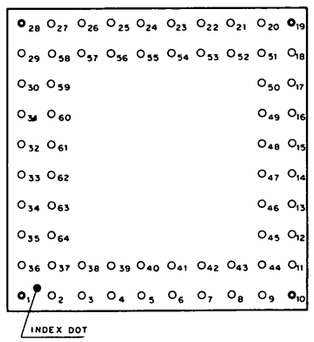
CX7903 (SONY)
C-MOS GENLOCK DRIVER FOR CX773A
— TOP VIEW —

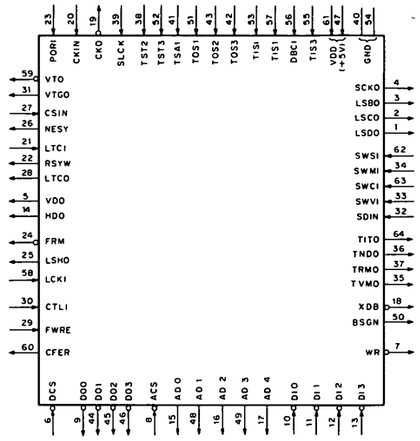
INPUTS MODE 2	INPUTS MODE 1	EXT LOCK MODE	
0	0	M1	PAL: VBS
0	1	M2	PALM: VBS
1	0	M3	PAL : VS/SC/LALT SECAM: VS/SC/LALT
1	1	M4	NTSC: VBS NTSC: VS/SC PALM: VS/SC/LALT

0 ; LOW LEVEL
1 ; HIGH LEVEL



CX7907A (SONY)
C-MOS TIME CODE GENERATOR
— TOP VIEW —

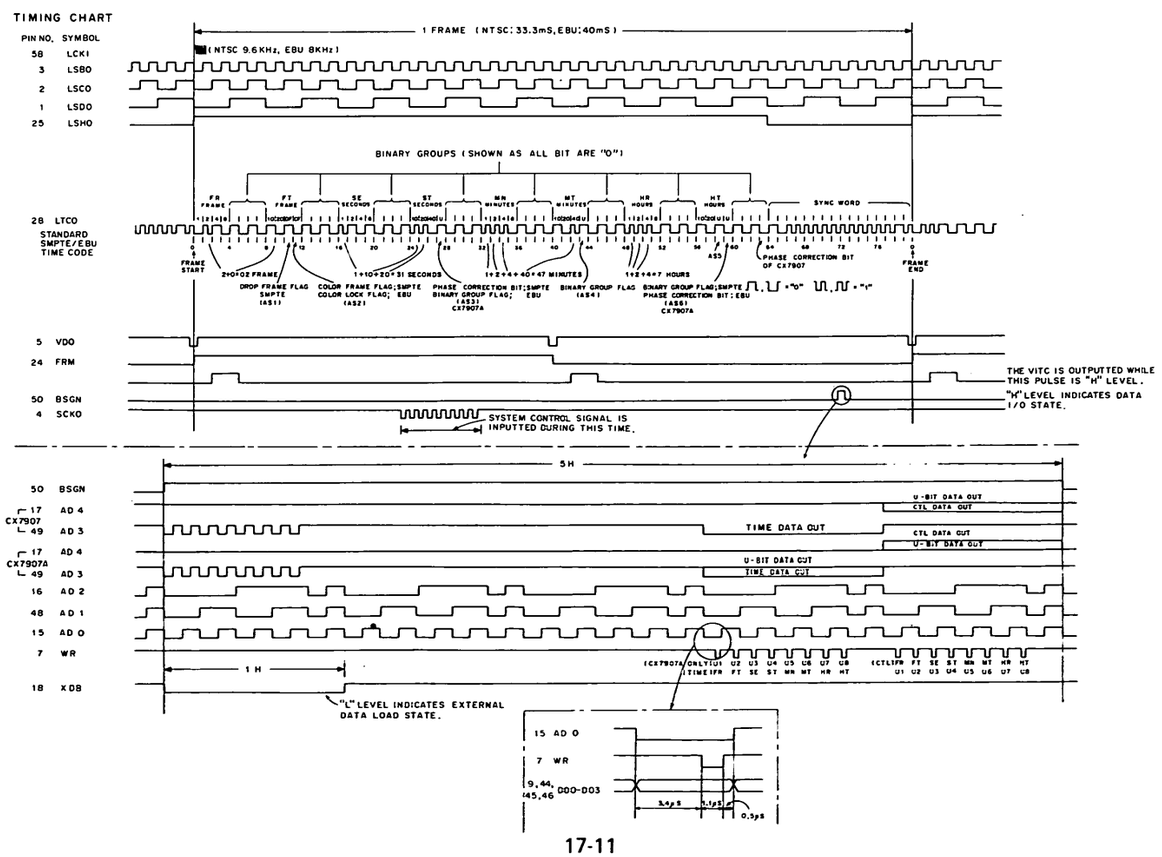




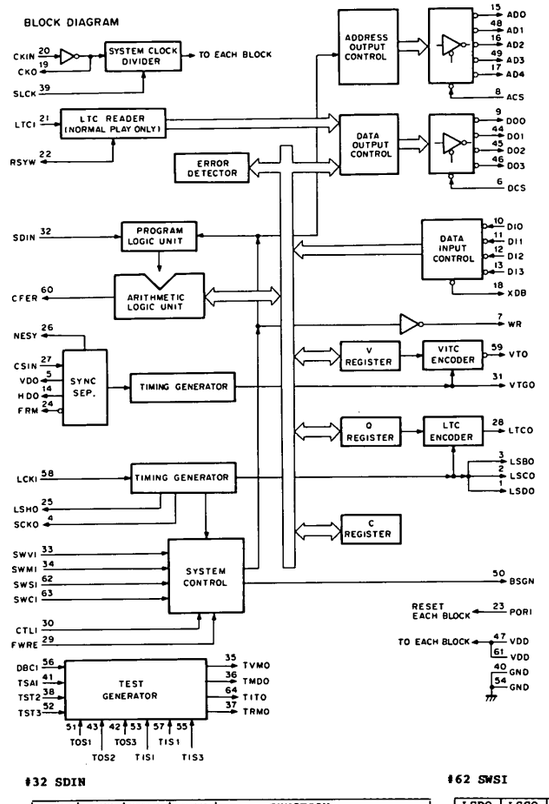
PIN ASSIGNMENT

Pin No.	IN	OUT	SYMBOL
1		o	LSDO
2		o	LSCO
3		o	LSBO
4		o	SCKO
5		o	VDO
6	o		DCS
7		o	WR
8	o		ACS
9		o	DO0
10	o		DI0
11	o		DI1
12	o		DI2
13	o		DI3
14		o	HDO
15		o	AD0
16		o	AD2
17		o	AD4
18		o	XDB
19		o	CKO
20	o		CKIN
21	o		LTCI
22		o	RSYW
23	o		PORI
24		o	FRM
25		o	LSHO
26		o	NESY
27	o		CSIN
28		o	LTCO
29	o		FWRE
30	o		CTLI
31		o	VTGO
32	o		SDIN
33	o		SWVI
34	o		SWMI
35		o	TVMO
36		o	TNDO
37		o	TRMO
38	o		TST2
39	o		SLCK
40		o	GND
41	o		TSAI
42	o		TOS3
43	o		TOS2
44		o	DO1
45		o	DO2
46		o	DO3
47	o		VDD (+5V)
48		o	AD1
49		o	AD3
50		o	BSGN
51	o		TOS1
52	o		TST3
53	o		TISI
54		o	GND
55	o		TIS3
56	o		DBCI
57	o		TIS1
58	o		LCKI
59		o	VTO
60		o	CFER
61	o		VDD (+5V)
62	o		SWSI
63	o		SWCI
64		o	TITO

TIMING CHART



BLOCK DIAGRAM



FUNCTIONAL PIN DEFINITION

Pin No.	SYMBOL	DESCRIPTION
8	ACS	ADDRESS LINE CHIP SELECT INPUT
15	AD0	ADDRESS DATA OUTPUT
48	AD1	
16	AD2	
49	AD3	
17	AD4	
50	BSGN	BUSY GENERATOR OUTPUT
60	CFER	COLOR FRAME ERROR FLAG OUTPUT
20	CKIN	SYSTEM CLOCK INPUT
19	CKO	CLOCK OUTPUT
27	CSIN	COMPOSITE SYNC INPUT
30	CTLI	CTL(TIMER) SIGNAL INPUT (↑)
6	DCS	DATA LINE CHIP SELECT INPUT (NEGATIVE-LOGIC)
10	DI0	DATA BUS INPUT (NEGATIVE-LOGIC)
11	DI1	
12	DI2	
13	DI3	
9	DO0	DATA BUS OUTPUT (NEGATIVE-LOGIC)
44	DO1	
45	DO2	
46	DO3	
24	FRM	FRAME SIGNAL OUTPUT (NEGATIVE-LOGIC)
29	FWRE	CTL DIRECTION INPUT
14	HDO	HORIZONTAL SYNC DRIVE OUTPUT
58	LCKI	LTC CLOCK INPUT (SMPTE 9.6kHz/EBU 8kHz)
3	LSBO	LTC SYNCHRONOUS SIGNAL B OUTPUT
2	LSCO	LTC SYNCHRONOUS SIGNAL C OUTPUT
1	LSDO	LTC SYNCHRONOUS SIGNAL D OUTPUT
25	LSHO	LTC SYNCHRONOUS SIGNAL H OUTPUT
21	LTCI	LTC INPUT
28	LTCO	LTC SIGNAL OUTPUT
26	NESY	LOST-SYNC FLAG OUTPUT
23	PORI	POWER ON RESET INPUT
22	RSYW	READ SYNC WORD OUTPUT
4	SCKO	SWITCHES SIGNAL IN CLOCK OUTPUT
32	SDIN	SERIAL DATA INPUT
39	SLCK	SELECT CLOCK INPUT
63	SWCI	SWITCHES SIGNAL C INPUT
34	SWMI	SWITCHES SIGNAL M INPUT
62	SWSI	SWITCHES SIGNAL S INPUT
33	SWVI	SWITCHES SIGNAL V INPUT
5	VDO	VERTICAL SYNC DRIVE OUTPUT
31	VTGO	VITC GATE SIGNAL OUTPUT
59	VTO	VITC SIGNAL OUTPUT (NEGATIVE-LOGIC)
7	WR	WRITE SIGNAL OUTPUT (NEGATIVE-LOGIC)
18	XDB	EXTERNAL DATA BUS IN FLAG OUTPUT (NEGATIVE-LOGIC)
47	VDD	POWER LINE (+5V)
61	VDD	
40	GND	GND LINE
54	GND	
56	DBCI	TEST INPUT (TO BE CONNECTED WITH GND)
57	TIS1	
55	TIS3	
53	TISI	
51	TOS1	
43	TOS2	
42	TOS3	
41	TSAI	
38	TST2	
52	TST3	
64	TITO	TEST OUTPUT (TO BE LEFT OPEN)
36	TNDO	
37	TRMO	
35	TVMO	

#32 SDIN

LSDO	LSCO	LSBO	SDIN	FUNCTION
0	0	0		INCREASE IN BIT 'FR or U1'
0	0	1		INCREASE IN BIT 'FT or U2'
0	1	0		INCREASE IN BIT 'SE or U3'
0	1	1		INCREASE IN BIT 'ST or U4'
1	0	0		INCREASE IN BIT 'MN or U5'
1	0	1		INCREASE IN BIT 'MT or U6'
1	1	0		INCREASE IN BIT 'HR or U7'
1	1	1		INCREASE IN BIT 'HT or U8'

NOTE;INFLUENCED BIT IS DECIDED BY FIRST 2 BITS OF SWCI.

#33 SWVI

LSDO	LSCO	LSBO	SWVI	FUNCTION
0	0	0	SW1A†	VITC POSITION SELECT A
0	0	1	SW1B†	
0	1	0	SW1C†	
0	1	1	SW1D†	
1	0	0	SW2A†	VITC POSITION SELECT B
1	0	1	SW2B†	
1	1	0	SW2C†	
1	1	1	SW2D†	

†;VITC POSITION SELECT

SW1D SW2D	SW1C SW2C	SW1B SW2B	SW1A SW2A	INSERTION LINE NTSC	INSERTION LINE PAL,SECAM
0	0	0	0	LINE 25	LINE 22,335
0	0	0	1	24	21,334
0	0	1	0	23	20,333
0	0	1	1	22	19,332
0	1	0	0	21	18,331
0	1	0	1	20	17,330
0	1	1	0	19	16,329
0	1	1	1	18	15,328
1	0	0	0	17	14,327
1	0	0	1	16	13,326
1	0	1	0	15	12,325
1	0	1	1	14	11,324
1	1	0	0	13	10,323
1	1	0	1	12	9,322
1	1	1	0	11	8,321
1	1	1	1	10	7,320

#34 SWMI

LSDO	LSCO	LSBO	SWMI	FUNCTION
0	0	0	x	INSERT SWMI DATA INTO BIT 'AS1'(NEGATIVE-LOGIC)
0	0	1	x	INSERT SWMI DATA INTO BIT 'AS2'(NEGATIVE-LOGIC)
0	1	0	x	INSERT SWMI DATA INTO BIT 'AS3'(NEGATIVE-LOGIC)
0	1	1	x	INSERT SWMI DATA INTO BIT 'AS4'(NEGATIVE-LOGIC)
1	0	0	x	INSERT SWMI DATA INTO BIT 'AS5'(NEGATIVE-LOGIC)
1	0	1	x	INSERT SWMI DATA INTO BIT 'AS6'(NEGATIVE-LOGIC)
1	1	0	f	COLOR FRAME LOCK IN FIELD 1
1	1	1	0	COLOR FRAME OFF
1	1	1	1	COLOR FRAME ON

X;DON'T CARE.

#62 SWSI

LSDO	LSCO	LSBO	SWSI	FUNCTION
0	0	0	PBS1*	VITC FIELD MARK/ LTC PHASE CORRECTION POSITION SELECT
0	0	1	PBS2*	
0	1	0	PBS3*	
0	1	1	0	PHASE CORRECTION ON
0	1	1	1	PHASE CORRECTION OFF
1	0	0	S1**	SIGNAL FORMAT SELECT
1	0	1	S2**	
1	1	0	S4**	
1	1	1	x	-

x;DON'T CARE.

*;VITC FIELD MARK/LTC PHASE CORRECTION POSITION SELECT

PBS3	PBS2	PBS1	FIELD MARK POSITION	LTC BIT No.
0	0	0	AS1	10
0	0	1	AS2	11
0	1	0	AS3	27
0	1	1	AS4	43
1	0	0	AS5	58
1	0	1	AS6	59
1	1	0	-	-
1	1	1	-	-

NOTE;LTC PHASE CORRECTION BIT OF CX7907 IS FIXED ON BIT-63.

**;SIGNAL FORMAT SELECT

S4	S2	S1	FORMAT	FRAME
0	0	0	FILM	24
0	0	1	NOT ALLOWED	-
0	1	x		
1	0	0	PAL,SECAM	25
1	0	1	NOT ALLOWED	-
1	1	0	NTSC NDP	30
1	1	1	NTSC DF	30

DF;DROP FRAME
NDP;NON DROP FRAME
x;DON'T CARE.

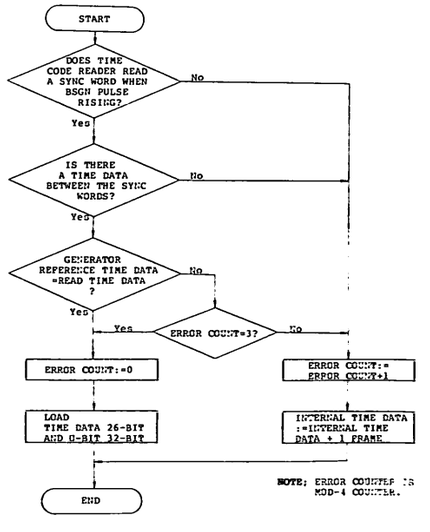
0;LOW LEVEL
1;HIGH LEVEL

#63 SWCI

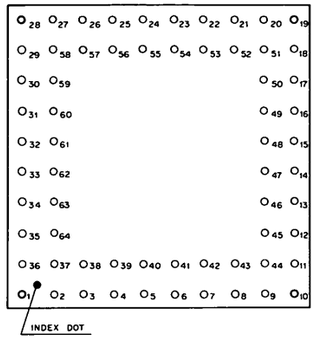
LSDO	LSCO	LSBO	SWCI	FUNCTION
0	0	0	0	U-BIT IN/OUT DATA SELECT*1
0	0	0	1	TIME
0	0	1	0	CTL
0	0	1	1	TIME/U-BIT
0	1	0	x	-
0	1	1	0	DATA RESET ON*2
0	1	1	1	DATA RESET OFF
1	0	0	0	TIME DATA HOLD
1	0	0	1	TIME DATA RUN
1	0	1	0	EXTERNAL DATA LOAD*2
1	1	0	0	EXTRAPOLATION ON
1	1	0	1	EXTRAPOLATION OFF
1	1	1	x	-

x; DON'T CARE.
*1;REFER TO TIMING CHART(DATA OUT).
*2;INFLUENCED DATA IS DECIDED BY FIRST 2 BITS OF SWCI.

ERROR BYPASS ALGORITHM

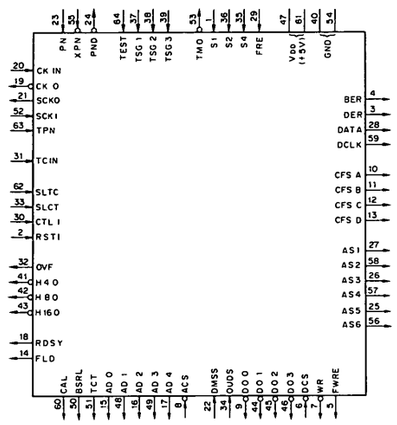


CX7912 (SONY)
CX7912A (SONY)
C-MOS TIME CODE READER
— TOP VIEW —



PIN ASSIGNMENT

PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1	O		S1	17		O	AD 4	33	O		SLCT	49		O	AD 3
2	O		RSTI	18		O	RDSY	34	O		OUDS	50		O	BSRL
3		O	DER	19		O	CK O	35	O		S4	51		O	TCT
4		O	BER	20	O		CK IN	36	O		S2	52	O		SCKI
5		O	FWRE	21		O	SCKO	37	O		TSG 1	53		O	TMO
6	O		DCS	22	O		DMSS	38	O		TSG 2	54		O	GND
7		O	WR	23	O		PN	39	O		TSG 3	55	O		XPN
8	O		ACS	24		O	PND	40		O	GND	56		O	AS6
9		O	DO O	25		O	AS5	41		O	H4O	57		O	AS4
10		O	CFS A	26		O	AS3	42		O	H8O	58		O	AS2
11		O	CFS B	27		O	AS1	43		O	H16O	59		O	DCLK
12		O	CFS C	28		O	DATA	44		O	DO1	60		O	CAL
13		O	CFS D	29	O		FRE	45		O	DO2	61	O		Vdd(+5V)
14		O	FLD	30	O		CTL I	46		O	DO3	62	O		SLTC
15		O	AD O	31	O		TC IN	47	O		Vdd(+5V)	63	O		TPN
16		O	AD 2	32		O	OVF	48		O	AD 1	64	O		TEST



MODE SELECT

SLCT	SLTC	MODE
0	0	AUTO
0	1	TIME CODE
1	0	CTL
1	1	AUTO

CTL COUNT

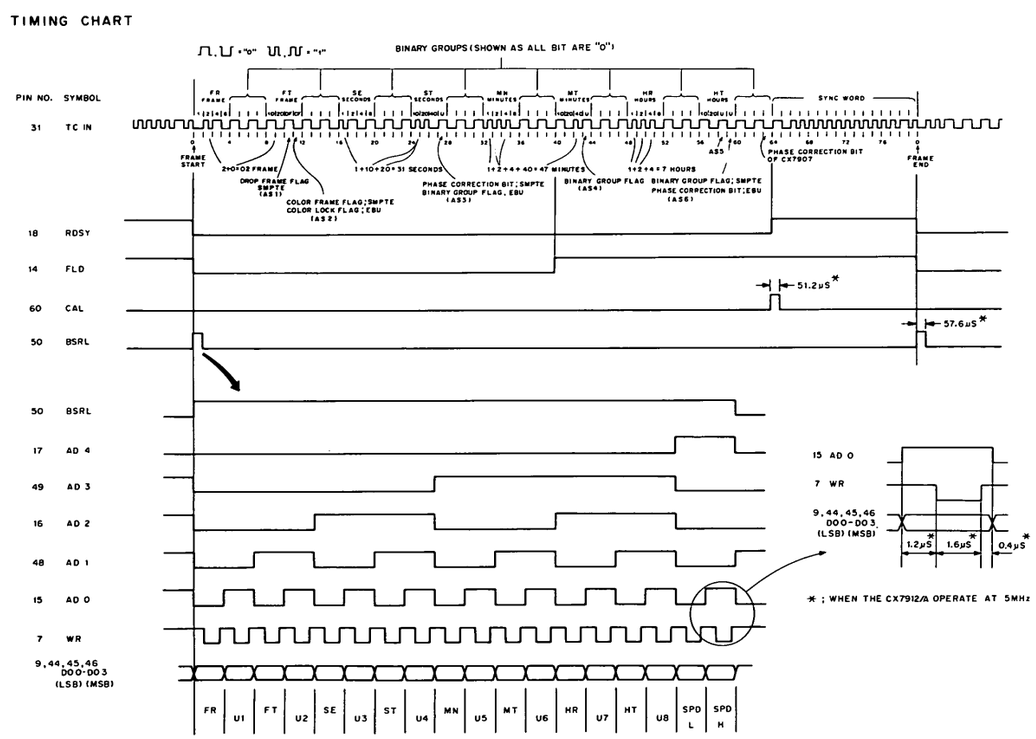
FRE	RSTI	COUNT
0	X	DOWN COUNT
1	X	UP COUNT
X	⌐	RESET

SIGNAL FORMAT SELECT

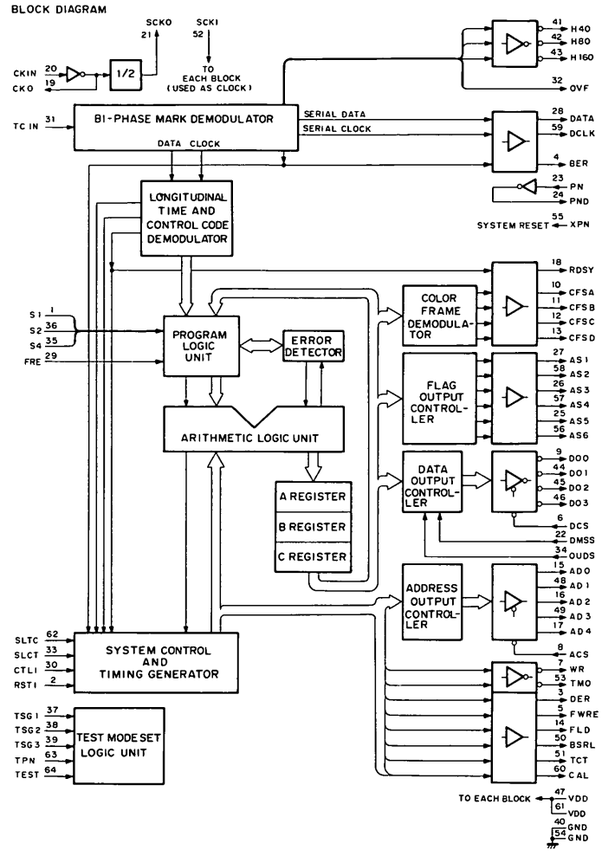
S4	S2	S1	FORMAT	FRAME
0	0	0	FILM	24
0	0	1	NOT ALLOWED	—
0	1	0		
0	1	1		
1	0	0	PAL, SECAM	25
1	0	1	NOT ALLOWED	—
1	1	0	NTSC (NON DROP FRAME)	30
1	1	1	NTSC (DROP FRAME)	30

0 ; LOW LEVEL
1 ; HIGH LEVEL
x ; DON'T CARE

TIMING CHART



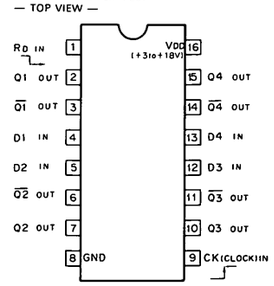
BLOCK DIAGRAM

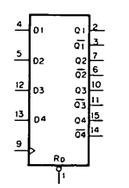


FUNCTIONAL PIN DEFINITION

Pin No.	SYMBOL	DESCRIPTION
8	ACS	ADDRESS LINE OUTPUT ENABLE (NEGATIVE-LOGIC)
15	AD0	ADDRESS DATA OUTPUT
48	AD1	
16	AD2	
49	AD3	
17	AD4	
27	AS1	PARALLEL DATA OUTPUT
58	AS2	
26	AS3	
57	AS4	
25	AS5	
56	AS6	
4	BER	BI-PHASE MARK ERROR (BIT ERROR) OUTPUT
50	BSRL	DATA OUT FLAG OUTPUT
60	CAL	CALCULATE OUT FLAG OUTPUT
10	CFSA	DEMODULATED COLOR FRAME OUTPUT
11	CFSB	
12	CFSC	
13	CFSD	
20	CKIN	CLOCK INPUT
19	CKO	CLOCK OUTPUT (NEGATIVE-LOGIC)
30	CTLI	CTL SIGNAL INPUT (⌐)
28	DATA	DEMODULATED SERIAL DATA OUTPUT
59	DCLK	DEMODULATED CLOCK OUTPUT
6	DCS	DATA LINE OUTPUT ENABLE (NEGATIVE-LOGIC)
3	DER	DEMODULATE DATA ERROR OUTPUT
22	DMSS	ASSIGNED DATA SELECT
9	DO0	DATA OUTPUT (NEGATIVE-LOGIC)
44	DO1	
45	DO2	
46	DO3	
14	FLD	FIELD DATA OUTPUT
29	FRE	CTL DIRECTION SIGNAL INPUT
5	FWRE	DEMODULATE DIRECTION SIGNAL OUTPUT
41	H4O	SPEED RANGE FLAG 4 OUTPUT (NEGATIVE-LOGIC)
42	H8O	SPEED RANGE FLAG 8 OUTPUT (NEGATIVE-LOGIC)
43	H16O	SPEED RANGE FLAG 16 OUTPUT (NEGATIVE-LOGIC)
34	OUDS	ERROR BYPASS ON/OFF SELECT
32	OVF	OVERFLOW FLAG OUTPUT
23	PN	POWER ON SIGNAL INPUT
24	PND	POWER ON SIGNAL OUPUT (NEGATIVE-LOGIC)
18	RDSY	READ SYNC WORD DATA OUTPUT
2	RSTI	CTL TIMER RESET INPUT (⌐)
1	S1	SIGNAL FORMAT SELECT S1
36	S2	SIGNAL FORMAT SELECT S2
35	S4	SIGNAL FORMAT SELECT S4
52	SCKI	SYSTEM CLOCK INPUT
21	SCKO	SYSTEM CLOCK OUTPUT
33	SLCT	SELECT CTL INPUT
62	SLTC	SELECT LTC INPUT
55	XPN	SYSTEM RESET SIGNAL INPUT (NEGATIVE-LOGIC)
31	TCIN	LONGITUDINAL TIME AND CONTROL CODE INPUT
51	TCT	INPUT SELECT FLAG OUTPUT
53	TMO	TIME OVER SIGNAL OUTPUT (NEGATIVE-LOGIC)
7	WR	WRITE SIGNAL OUTPUT (NEGATIVE-LOGIC)
47	VDD	POWER LINE (+5V)
61	VDD	
40	GND	GND LINE
54	GND	
64	TEST	TEST MODE SET INPUT (TO BE CONNECTED WITH GND)
63	TPN	
37	TSG1	
38	TSG2	
39	TSG3	

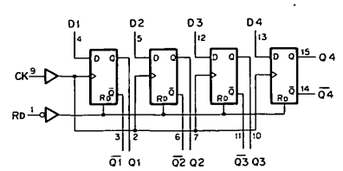
TC40175BP (TOSHIBA)
C-MOS D-TYPE FLIP-FLOP
— TOP VIEW —



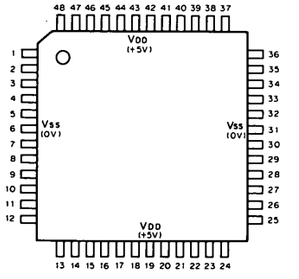


CK	D	RD	Q	$\bar{Q}$
⌐	0	1	0	1
⌐	1	1	1	0
⌊	X	1	Q_0	$\bar{Q}_0$
X	X	0	0	1

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

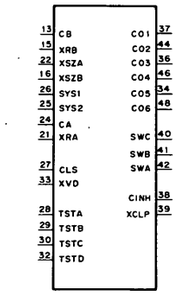


CX7992 (SONY) FLAT PACKAGE
C-MOS CCD CLOCK GENERATOR
— TOP VIEW —

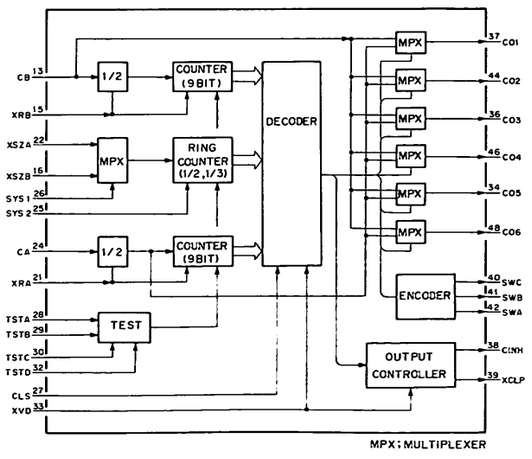


PIN ASSIGNMENT

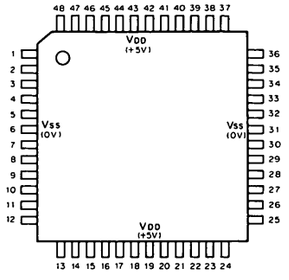
PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			NC	13		O	CB	25		O	SYS2	37		O	CO1
2			NC	14			NC	26		O	SYS1	38		O	CINH
3			NC	15		O	XRB	27		O	CLS	39		O	XCLP
4			NC	16		O	XSZB	28		O	TSTA	40		O	SWC
5			NC	17			NC	29		O	TSTB	41		O	SWB
6			Vss	18			NC	30		O	TSTC	42		O	SWA
7			NC	19			VDD	31			Vss	43			VDD
8			NC	20			NC	32		O	TSTD	44		O	CO2
9			NC	21		O	XRA	33		O	XVD	45			NC
10			NC	22		O	XSZA	34			O CO5	46		O	CO4
11			NC	23			NC	35			NC	47			NC
12			NC	24		O	CA	36			O CO3	48		O	CO6



CA ; CLOCK A IN
CB ; CLOCK B IN
CINH ; CHROMA MIX INHIBIT OUT
CLS ; CLOCK FREQ SELECT IN
CO1-CO6; CCD DRIVE CLOCK OUT
SWA ; CCD READ DATA SELECT OUT
SWB ; CCD READ DATA SELECT OUT
SWC ; CCD READ DATA SELECT OUT
SYS 1; SYSTEM SELECT 1 IN
SYS 2; SYSTEM SELECT 2 IN
TSTA ; for the TEST
TSTB ; for the TEST
TSTC ; for the TEST
TSTD ; for the TEST
XCLP ; CHROMA CLAMP OUT
XRA ; RESET 2 IN
XRB ; RESET 3 IN
XSZA ; RECORD PROCESS SELECT IN
XSZB ; PLAYBACK PROCESS SELECT IN
XVD ; RESET 1 IN

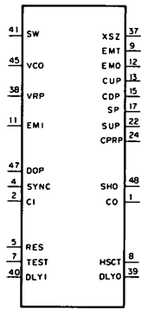


CX7994 (SONY) FLAT PACKAGE
C-MOS VCO DRIVER
— TOP VIEW —

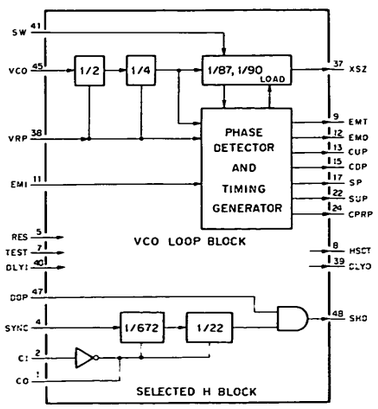


PIN ASSIGNMENT

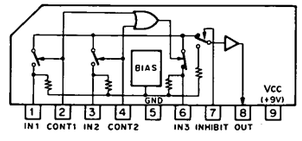
PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1		O	CO	13		O	CUP	25			NC	37		O	XSZ
2	O		CI	14			NC	26			NC	38	O		VRP
3			NC	15		O	CDP	27			NC	39		O	DLYO
4	O		SYNC	16			NC	28			NC	40	O		DLYI
5	O		RES	17		O	SP	29			NC	41	O		SW
6			Vss	18			NC	30			NC	42			NC
7	O		TEST	19			VDD	31			Vss	43			VDD
8		O	HSCT	20			NC	32			NC	44			NC
9		O	EMT	21			NC	33			NC	45	O		VCO
10			NC	22		O	CPRP	34			NC	46			NC
11	O		EMI	23			NC	35			NC	47	O		DOP
12		O	EMO	24		O	SUP	36			NC	48		O	SHO



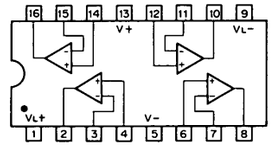
CDP ; CHARGE DOWN PULSE OUT
CI ; CLOCK IN
CO ; CLOCK OUT
CPRP; CHARGE PUMP RESET PULSE OUT
CUP ; CHARGE UP PULSE OUT
DLYI ; for the TEST
DLYO; for the TEST
DOP ; DOC PULSE IN
EMI ; EXT MONO-MULTI IN
EMO ; EXT MONO-MULTI OUT
EMT ; EXT MONO-MULTI TRIGGER OUT
HSCT; for the TEST
RES ; for the TEST
SHO ; SELECTED H OUT
SP ; SAMPLING PULSE OUT
SUP ; SPEED UP PULSE OUT
SW ; 696/720 SELECT SW
SYNC; COMPOSITE SYNC IN
TEST; for the TEST
VCO ; 696fH/720fH VCO PULSE IN
VRP ; VCO RESET PULSE IN
XSZ ; START ZERO OUT



CX894 (SONY)
3 INPUT SWITCH
— SIDE VIEW —



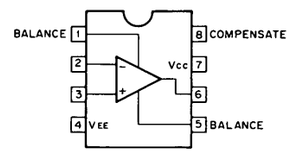
HA1-4905 (HARRIS)
VOLTAGE COMPARATOR
— TOP VIEW —



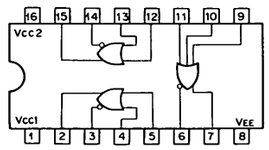
NOTE: V+ AND V- DETERMINE THE ALLOWABLE INPUT SIGNAL RANGE.

VL+ AND VL- DETERMINE THE OUTPUT SWING.

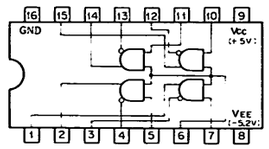
HA7-2525 (HARRIS)
OPERATIONAL AMPLIFIER
— TOP VIEW —



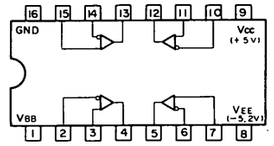
HD10105 (HITACHI)
MC10105L (MOTOROLA)
ECL 2-3-2-INPUT OR/NOR GATE
— TOP VIEW —



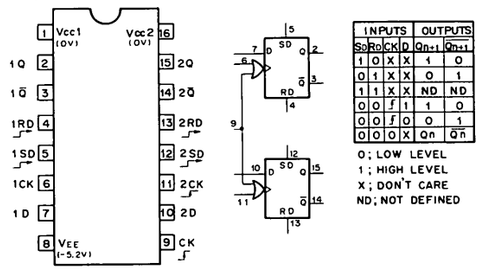
HD10124 (HITACHI)
MC10124L (MOTOROLA)
ECL TTL-TO-ECL TRANSLATOR
— TOP VIEW —



HD10125 (HITACHI)
MC10125L (MOTOROLA)
ECL ECL-TO-TTL TRANSLATOR
— TOP VIEW —



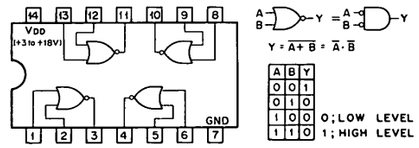
HD10131 (HITACHI)
MC10131L (MOTOROLA)
ECL D-TYPE FLIP FLOP
— TOP VIEW —



INPUTS				OUTPUTS	
SD	RD	CK	D	Q_{n+1}	$\bar{Q}_{n+1}$
1	0	X	X	1	0
0	1	X	X	0	1
1	1	X	X	ND	ND
0	0	↑	1	1	0
0	0	↑	0	0	1
0	0	0	X	Q_n	$\bar{Q}_n$

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
ND; NOT DEFINED

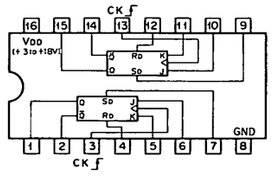
HD14001BP (HITACHI)
MB84001B (FUJITSU)
TC4001BP (TOSHIBA)
uPD4001BC (NEC)
C-MOS 2-INPUT NOR GATE
— TOP VIEW —



A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

HD14027BP (HITACHI)
TC4027BP (TOSHIBA)
uPD4027C (NEC)
C-MOS J-K MASTER SLAVE FLIP-FLOP WITH DIRECT SET/RESET
— TOP VIEW —



DIRECT R-S FLIP FLOP

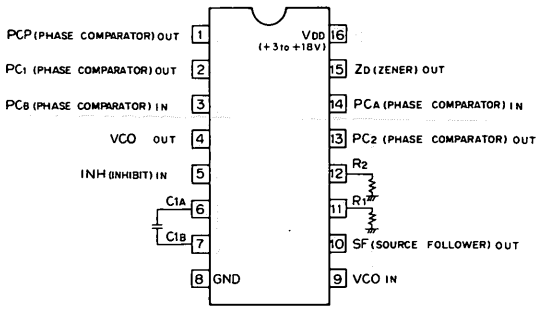
So	Ro	Q
0	0	Q_n
0	1	0
1	0	1
1	1	0

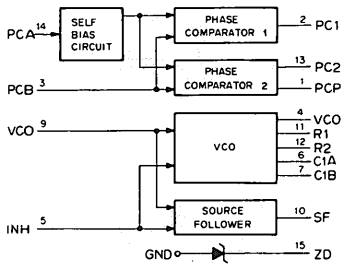
J-K FLIP FLOP

t_n		t_{n+1}
J	K	0
0	0	Q_n
0	1	0
1	0	1
1	1	$\bar{Q}_n$

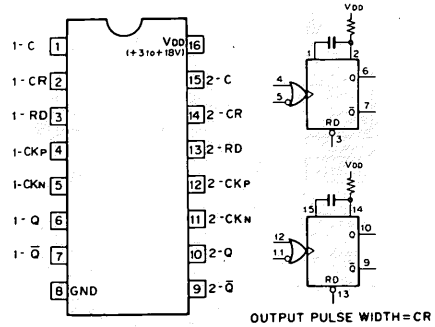
0; LOW LEVEL
1 ; HIGH LEVEL
CK; t_n; BEFORE CLOCK
t_{n+1}; AFTER CLOCK

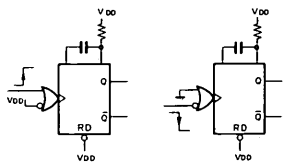
HD14046BP (HITACHI)
MC14046BCP (MOTOROLA)
C-MOS PHASE LOCKED LOOP
— TOP VIEW —

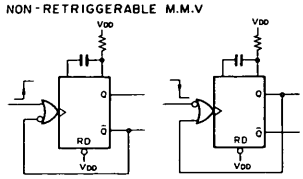




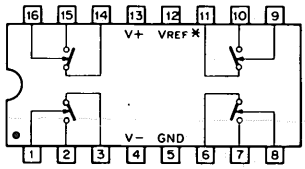
HD14538BP (HITACHI)
MC14538BCP (MOTOROLA)
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE
MONOSTABLE MULTIVIBRATOR
— TOP VIEW —







HI1-201 (HARRIS)
HI1-201HS (HARRIS)
C-MOS ANALOG SWITCH
— TOP VIEW —



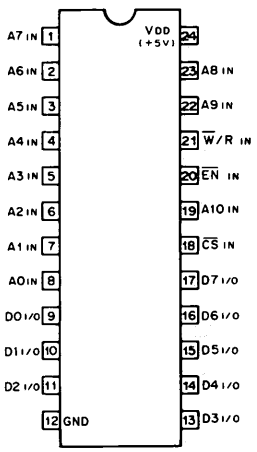
CONT IN	SW
0	
1	

0 ; LOW LEVEL
1 ; HIGH LEVEL

* NOTE

INTERFACE	VREF CONNECTION
TTL	OPEN
C-MOS	VDD ≦ 5.5V ; OPEN
	VDD > 5.5V ; TO VDD

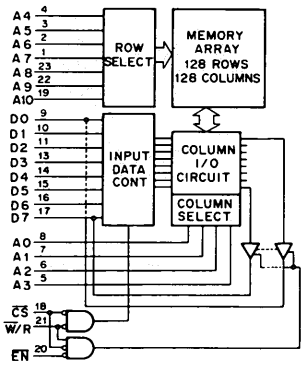
HM6116LP-2 (HITACHI) (ACCESS TIME = 120 nS)
MSM5128-12RS (OKI) (ACCESS TIME = 120 nS)
C-MOS 16384(2048x8)-BIT HIGH SPEED STATIC RAM
— TOP VIEW —



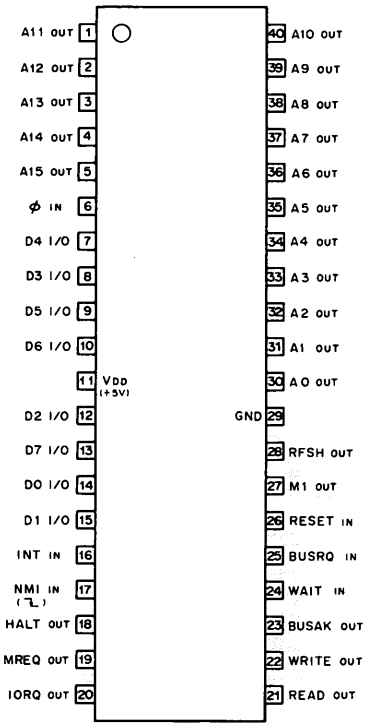
INPUTS			FUNCTION
CS	W/R	EN	
0	0	X	WRITE
0	1	0	READ
0	1	1	DISABLE (OUTPUT=HI-Z)
1	X	X	DISABLE (OUTPUT=HI-Z)

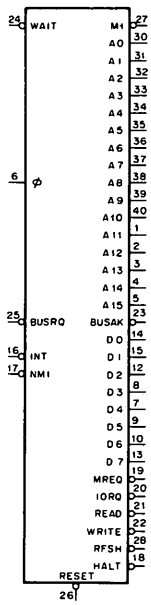
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

A0 – A10 ; ADDRESS INPUTS
W/R ; WRITE / READ ENABLE
EN ; OUTPUT ENABLE
CS ; CHIP SELECT
D0 – D7 ; DATA INPUTS / OUTPUTS

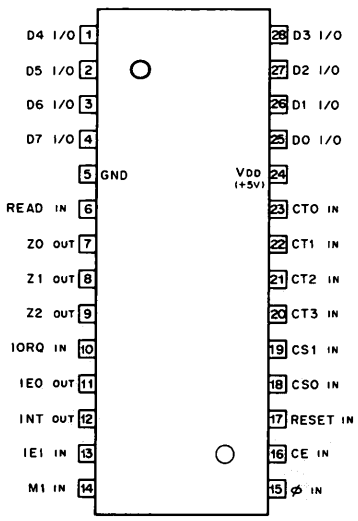


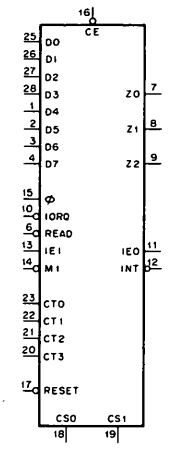
LH0080A (SHARP)
N-MOS 8-BIT MICROPROCESSOR
— TOP VIEW —





LH0082A (SHARP)
N-MOS COUNTER TIMER CIRCUIT
— TOP VIEW —



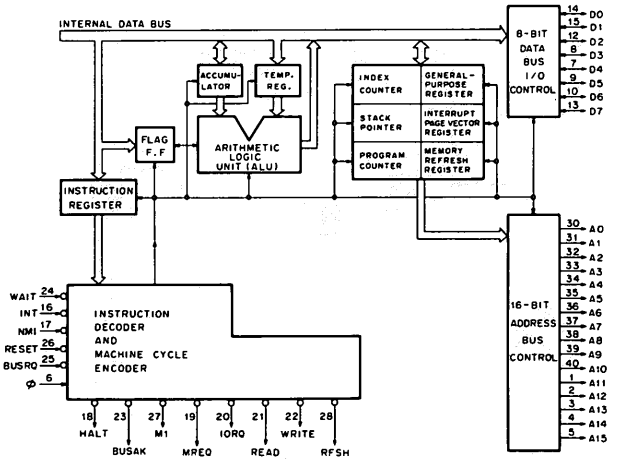


φ ; SYSTEM CLOCK
CE ; CHIP ENABLE
CSO, CS1 ; CHANNEL SELECT
CTO-CT3 ; EXTERNAL CLOCK/TIMER TRIGGER
DO-D7 ; 3-STATE DATA INPUT/OUTPUT
IEI ; INTERRUPT ENABLE INPUT
IEO ; INTERRUPT ENABLE OUTPUT
INT ; INTERRUPT REQUEST (OPEN DRAIN)
IORQ ; I/O REQUEST
M1 ; MACHINE CYCLE 1
READ ; READ CYCLE STATUS
ZO-Z2 ; ZERO COUNT/TIME OUT

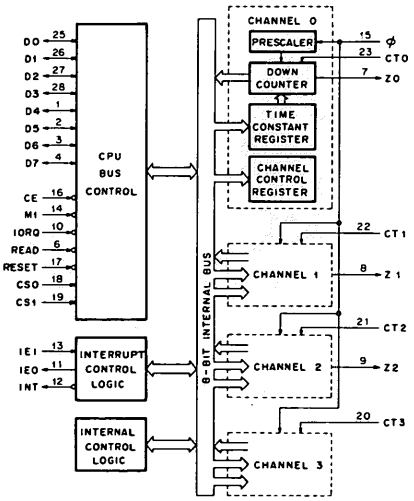
CHANNEL SELECT FUNCTION

CS1	CSO	SELECTED CHANNEL
0	0	0
0	1	1
1	0	2
1	1	3

0; LOW LEVEL
1; HIGH LEVEL

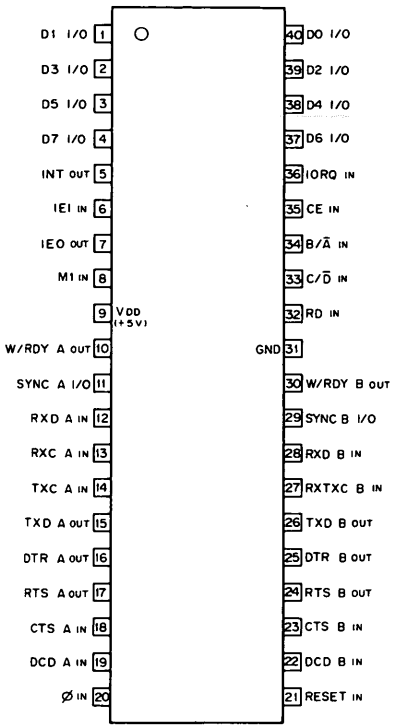


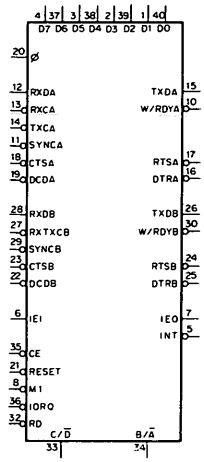
TEMP. REG. ; TEMPORARY REGISTER



φ ; CLOCK
A0-A15 ; 3-STATE ADDRESS OUTPUT
BUSAK ; BUS ACKNOWLEDGE
BUSRQ ; BUS REQUEST
D0-D7 ; 3-STATE DATA INPUT/OUTPUT
HALT ; HALT STATE
INT ; INTERRUPT REQUEST
IORQ ; 3-STATE I/O REQUEST
M1 ; MACHINE CYCLE 1
MREQ ; 3-STATE MEMORY REQUEST
NMI ; NON-MASKABLE INTERRUPT (DOWN EDGE TRIGGER)
READ ; 3-STATE MEMORY READ
RFSH ; REFRESH
WRITE ; 3-STATE MEMORY WRITE

LH0084A (SHARP)
N-MOS 2-CHANNEL SERIAL INPUT/OUTPUT
FOR MICROCOMPUTER SYSTEM
— TOP VIEW —

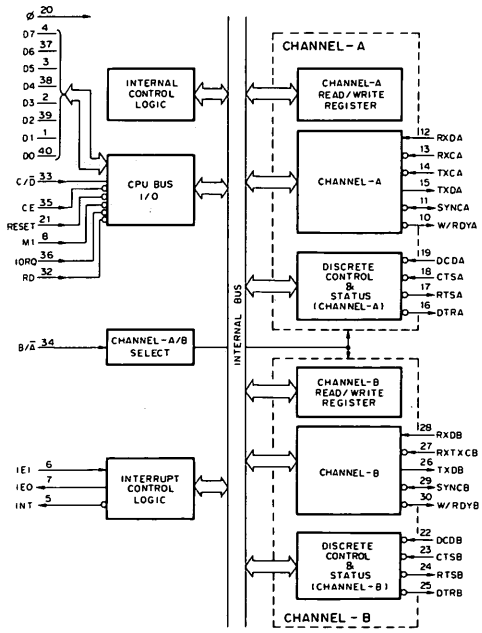




CHANNEL SELECT FUNCTION TABLE

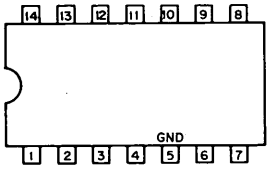
C/D̄	B/Ā	FUNCTION
0	0	CH-A DATA
0	1	CH-B DATA
1	0	CH-A CONT. WORD
1	1	CH-B CONT. WORD

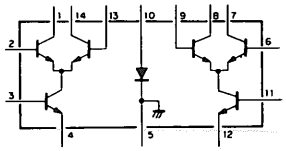
0; LOW LEVEL
1; HIGH LEVEL



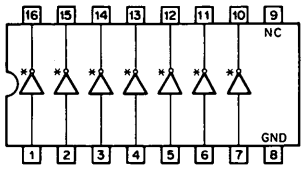
Ø ; SYSTEM CLOCK IN
D7-D0 ; DATA I/O
C/D̄ ; CONTROL/DATA SELECT IN
CE ; CHIP ENABLE IN
M1 ; MACHINE CYCLE 1 IN
IORQ ; I/O REQUEST IN
RD ; READ IN
B/Ā ; CHANNEL B/A SELECT IN
IEI ; INTERRUPT ENABLE IN
IEO ; INTERRUPT ENABLE OUT
INT ; INTERRUPT OUT
RXD ; RECEIVE DATA IN
RXC ; RECEIVE CLOCK IN
TXC ; TRANSMIT CLOCK IN
TXD ; TRANSMIT DATA OUT
SYNC ; EXTERNAL CHARACTER SYNCHRONIZATION I/O
W/RDY ; WAIT/READY OUT
DCD ; DATA CARRIER DETECT IN
CTS ; CLEAR TO SEND IN
RTS ; REQUEST TO SEND OUT
DTR ; DATA TERMINAL READY OUT

M5109P (MITSUBISHI)
DIFFERENTIAL AMPLIFIER
— TOP VIEW —

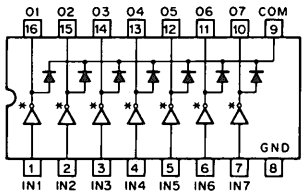




M54517P (MITSUBISHI)
INVERTER WITH OPEN-COLLECTOR
(DARLINGTON-CONNECTED TRANSISTOR ARRAY)
— TOP VIEW —

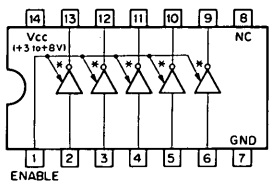


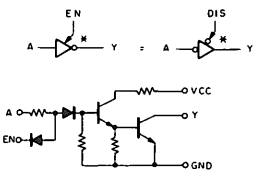
M54523P (MITSUBISHI)
BIPOLAR TRANSISTOR ARRAY WITH OPEN COLLECTOR
— TOP VIEW —



COM : COMMON

M54529AP (MITSUBISHI)
TRANSISTOR ARRAY
— TOP VIEW —

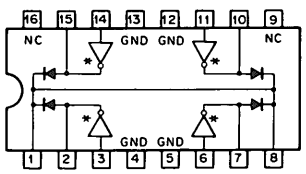


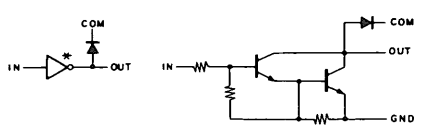


A	EN	Y
0	1	1
1	1	0
X	0	1

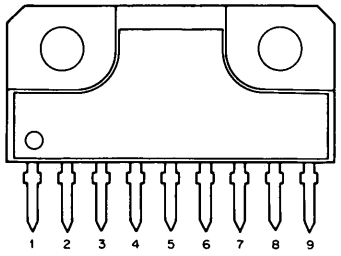
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
*; OPEN COLLECTOR

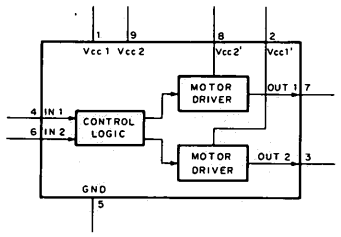
M54532P (MITSUBISHI)
DARLINGTON TRANSISTOR ARRAY WITH CLAMP DIODE
— TOP VIEW —





M54543L (MITSUBISHI)
BI-DIRECTIONAL MOTOR DRIVER
— SIDE VIEW —

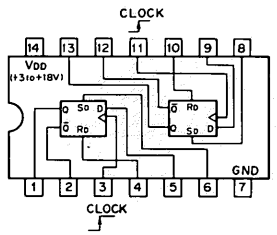




IN		OUT		MODE
1	2	1	2	
0	0	Z	Z	NO OPERATION
1	0	1	0	ROTATION
0	1	0	1	REVERSE ROTATION
1	1	0	0	BRAKE

0 : LOW LEVEL
1 : HIGH LEVEL
Z : HIGH IMPEDANCE

MB84013B (FUJITSU)
C-MOS D-TYPE FLIP-FLOP WITH DIRECT SET/RESET
— TOP VIEW —



DIRECT R-S FLIP FLOP

So	Ro	Q	$\bar{Q}$
0	0	On	$\bar{On}$
0	1	0	1
1	0	1	0
1	1	1	1

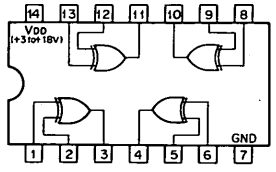
D-TYPE FLIP FLOP

CKn	CKn+1
D	Q
0	0
1	1

CLOCK CK; ⌐¬
CKn ; BEFORE CLOCK
CKn+1 ; AFTER CLOCK

0 : LOW LEVEL
1 : HIGH LEVEL

MB84070B (FUJITSU)
MC14070BCP (MOTOROLA)
C-MOS EXCLUSIVE OR GATE
— TOP VIEW —

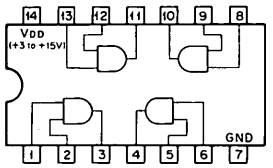


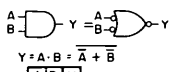


A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0 : LOW LEVEL
1 : HIGH LEVEL

MB84081B (FUJITSU)
TC4081BP (TOSHIBA)
uPD4081BC (NEC)
C-MOS 2-INPUT AND GATE
— TOP VIEW —

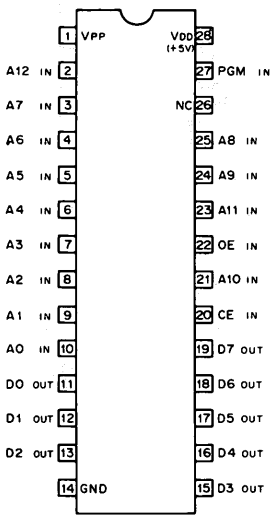


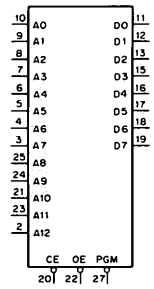


A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

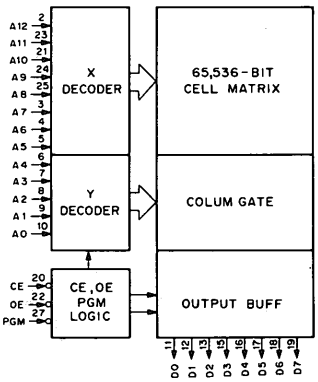
0 : LOW LEVEL
1 : HIGH LEVEL

MBM2764-20Z (FUJITSU) (ACCESS TIME = 200 nS)
MSM2764AS (OKI) (ACCESS TIME = 250 nS)
N-MOS 64K (8K-8) ERASABLE PROM WITH 3-STATE OUTPUTS
— TOP VIEW —





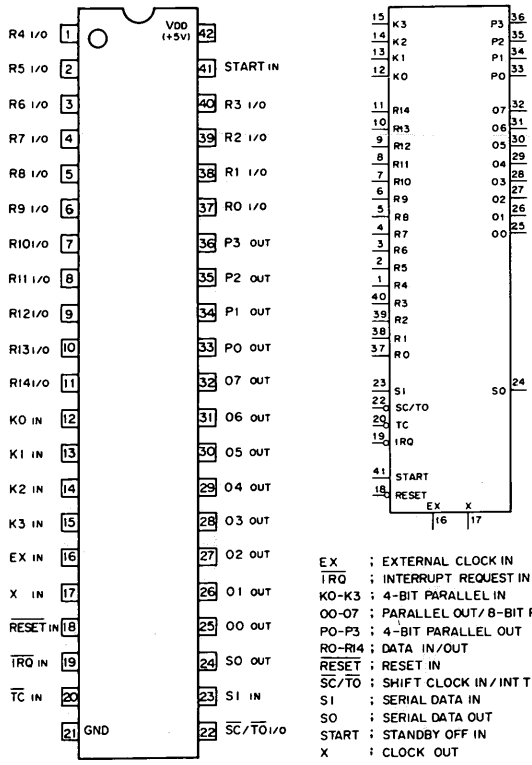
A0-A12 : ADDRESS
CE : CHIP ENABLE
D0-D7 : DATA OUTPUT
OE : OUTPUT ENABLE
PGM : PROGRAM ENABLE
VPP : PROGRAM VOLTAGE



An	CE	OE	PGM	VPP	Dn	FUNCTION
An	0	0	1	+5V	DENTERED	READ
An	0	1	1	+5V	HI-Z	OUTPUT DISABLE
An	0	0	0	+5V	HI-Z	OUTPUT DISABLE
X	1	X	X	+5V	HI-Z	STANDBY
An	0	X	⌐¬	+21V	DIN	PGM
An	0	0	1	+21V	DENTERED	PGM VERIFY
X	1	X	X	+21V	HI-Z	PGM INH

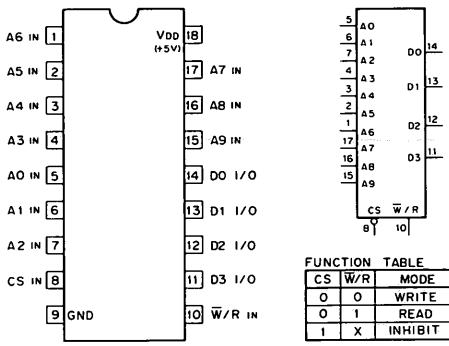
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH INPEDANCE

MB88501-PSH (FUJITSU)
C-MOS 4-BIT ONE-CHIP MICROCOMPUTER
— TOP VIEW —



EX ; EXTERNAL CLOCK IN
$\overline{IRQ}$; INTERRUPT REQUEST IN
KO-K3 ; 4-BIT PARALLEL IN
00-07 ; PARALLEL OUT/8-BIT PLA OUT
PO-P3 ; 4-BIT PARALLEL OUT
RO-R14 ; DATA IN/OUT
$\overline{RESET}$; RESET IN
$\overline{SC}/\overline{TO}$; SHIFT CLOCK IN/INT TIMING OUT
SI ; SERIAL DATA IN
SO ; SERIAL DATA OUT
START ; STANDBY OFF IN
X ; CLOCK OUT

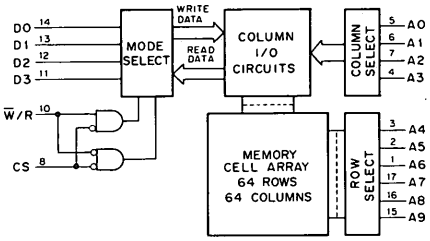
MBM2149L-55 (FUJITSU) N-MOS
4096-BIT (1024x4) STATIC RAM WITH 3-STATE OUTPUT
— TOP VIEW —



FUNCTION TABLE			
CS	W/R	MODE	I/O
0	0	WRITE	INPUT
0	1	READ	OUTPUT
1	X	INHIBIT	HIGH Z

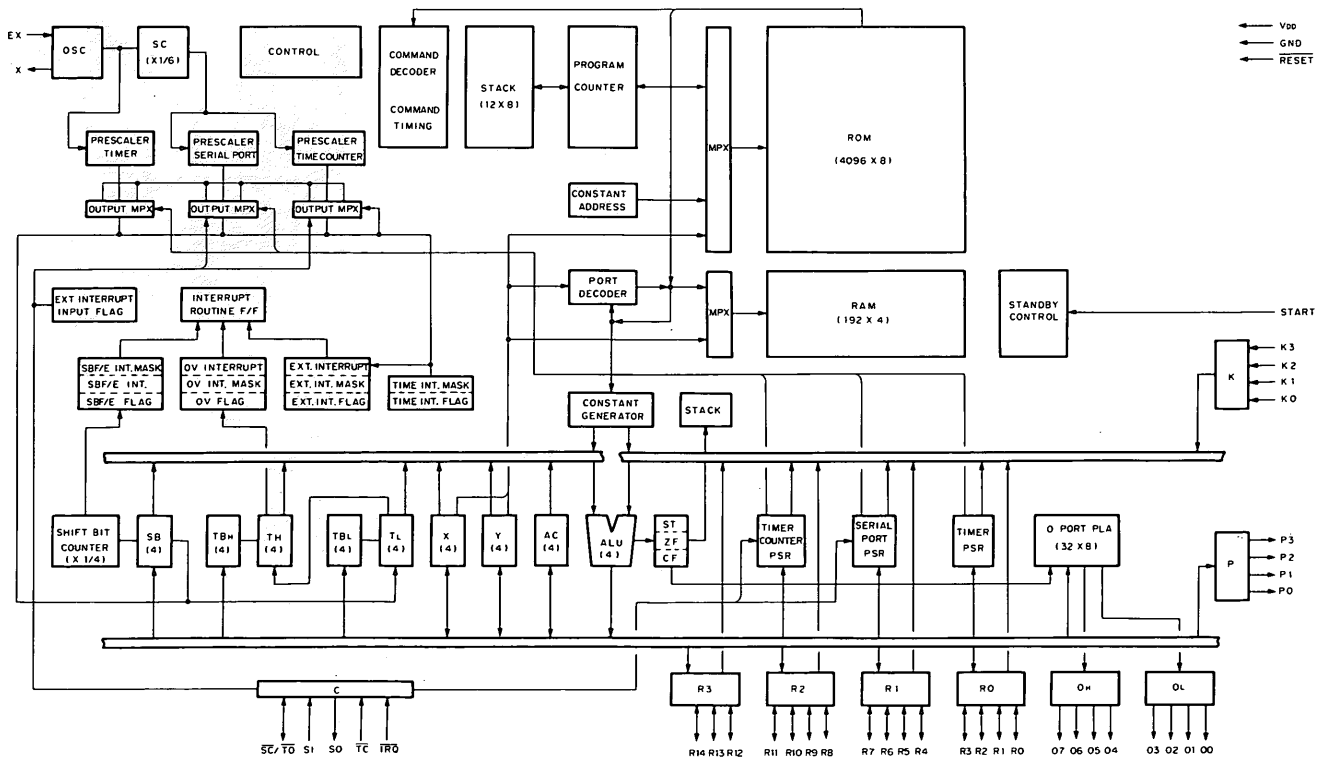
AO-A9 ; ADDRESS INPUTS
CS ; CHIP SELECT INPUT
DO-D3 ; DATA INPUT/OUTPUT (3-STATE)
W/R ; WRITE/READ ENABLE INPUT

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HIGH Z ; HIGH IMPEDANCE

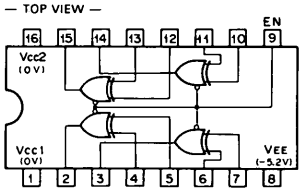


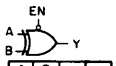
TYPE	-45	-55	-70	L-55	L-70	HP-45
ADDRESS ACCESS TIME (MAX)	45nS	55nS	70nS	55nS	70nS	45nS
CHIP SELECT ACCESS TIME (MAX)	20nS	25nS	30nS	25nS	30nS	45nS
Icc (MAX)	180mA	180mA	180mA	125mA	125mA	80mA

MB88501-PSH



MC10113L (MOTOROLA)
ECL EXCLUSIVE OR GATE
— TOP VIEW —

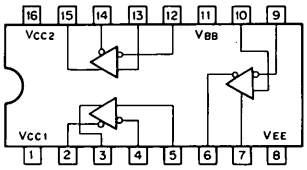




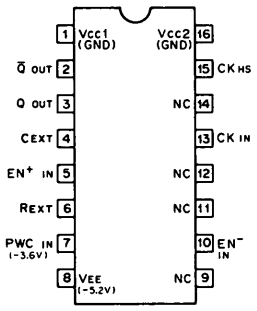
A	B	EN	Y
0	0	0	0
0	1	0	1
1	0	0	1
1	1	0	0
X	X	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

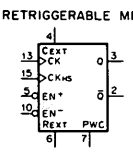
MC10116L (MOTOROLA)
ECL DIFFERENTIAL OR/NOR LINE RECEIVER
— TOP VIEW —



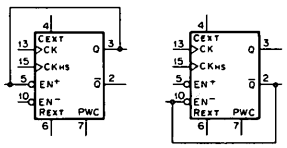
MC10198L (MOTOROLA)
RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW —



RETRIGGERABLE MMV



NON-RETRIGGERABLE MMV



CK : CLOCK TRIGGER INPUT
CKHS : HIGH-SPEED CLOCK TRIGGER INPUT
EN+ : TRIGGER POSITIVE ENABLE
EN- : TRIGGER NEGATIVE ENABLE
PWC : EXTERNAL PULSE WIDTH CONTROL

FUNCTION TABLE

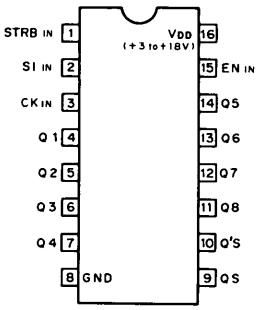
EN+	EN-	TRIG. SLOPE
0	0	⌐¬
0	1	⌐¬
1	0	⌐¬
1	1	DISABLE

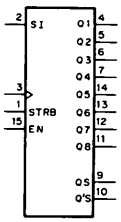
0 ; LOW LEVEL
1 ; HIGH LEVEL

OUTPUT PULSE WIDTH : PWQ
PWQ = 1.19 · CEXT (REXT + 284)
WHERE
PWQ = SEC
CEXT = FARADS
REXT = OHMS
VEE = -5.2V
PWC = -3.6V

NOTE ; · SELECT REXT RANGING FROM ZERO TO 16K OHMS.
SELECT CEXT GREATER THAN 20PF.

MC14094BCP (MOTOROLA)
MSM4094RS (OKI)
TC4094BP (TOSHIBA)
C-MOS 8-STAGE SHIFT-AND-STORE BUS REGISTER
— TOP VIEW —



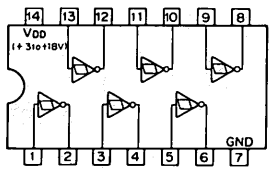


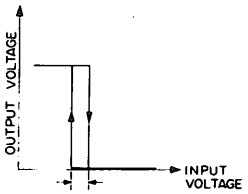
SI ; SERIAL DATA INPUT
CK ; CLOCK INPUT
STRB ; STROBE INPUT
EN ; OUTPUT ENABLE INPUT
Q1 ~ Q8 ; PARALLEL DATA OUTPUTS
QS, Q'S ; SERIAL DATA OUTPUTS

INPUTS				PARALLEL OUT		SERIAL OUT	
CK	EN	STRB	SI	Q1	Qn	QS	Q'S
⌐¬	0	X	X	HI-Z	HI-Z	Q7	NC
¬⌐	0	X	X	HI-Z	HI-Z	NC	Q7
⌐¬	1	0	X	NC	NC	Q7	NC
⌐¬	1	1	0	0	Qn-1	Q7	NC
⌐¬	1	1	1	1	Qn-1	Q7	NC
¬⌐	1	1	1	NC	NC	NC	Q7

1 ; HIGH
0 ; LOW
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE
NC ; NO CHANGE

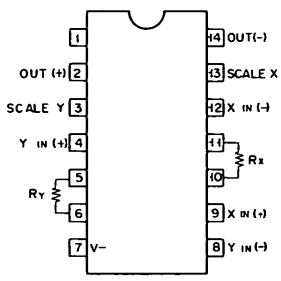
MC14584BCP (MOTOROLA)
uPD4584BC (NEC)
C-MOS SCHMITT TRIGGER INVERTER
— TOP VIEW —

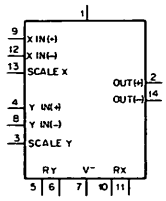




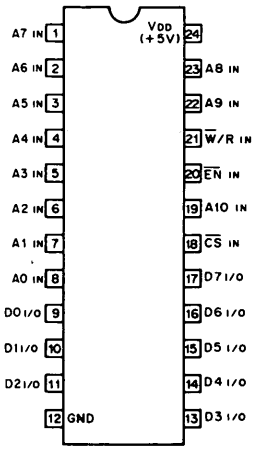
0.4V (VDD=5V)
0.45V(VDD=10V)
0.90V(VDD=15V)

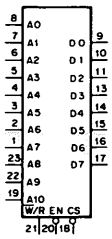
MC1595L (MOTOROLA)
LINEAR MULTIPLIER
— TOP VIEW —





MSM2128-15RS (OKI) (ACCESS TIME = 150 nS)
N-MOS 16384(2048x8)-BIT STATIC RAM
— TOP VIEW —

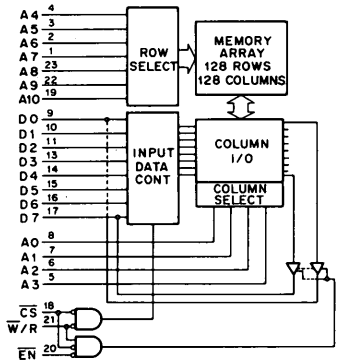




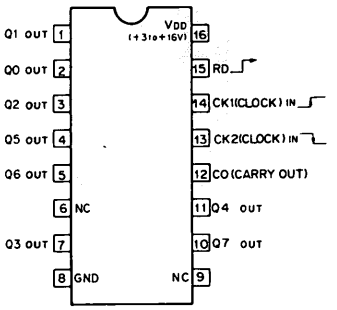
A0 - A10 ; ADDRESS INPUTS
W/R ; WRITE / READ ENABLE
EN ; OUTPUT ENABLE
CS ; CHIP SELECT
D0 - D7 ; DATA INPUTS / OUTPUTS

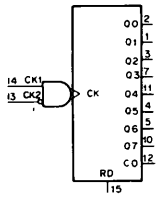
INPUTS			FUNCTION	POWER
CS	W/R	EN		
0	0	X	WRITE	ACTIVE
0	1	0	READ	ACTIVE
0	1	1	DISABLE	ACTIVE
1	X	X	OUTPUT=HI-Z	STANDBY

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE



MSM4022RS (OKI)
TC4022BP (TOSHIBA)
C-MOS OCTAL COUNTER/DIVIDER
— TOP VIEW —

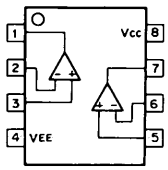




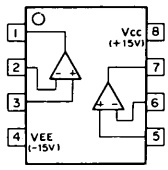
COUNT	INPUTS		OUTPUTS								
	RD	CK=CK1·CK2	Q7	Q6	Q5	Q4	Q3	Q2	Q1	Q0	CO
0	1	X	0	0	0	0	0	0	0	1	1
0	0	⎍	0	0	0	0	0	0	0	1	1
1	0	⎍	0	0	0	0	0	0	1	0	1
2	0	⎍	0	0	0	0	0	1	0	0	1
3	0	⎍	0	0	0	0	1	0	0	0	1
4	0	⎍	0	0	0	1	0	0	0	0	0
5	0	⎍	0	0	1	0	0	0	0	0	0
6	0	⎍	0	1	0	0	0	0	0	0	0
7	0	⎍	1	0	0	0	0	0	0	0	0
NO COUNT	0	1	NO CHANGE								
	0	0									

1: HIGH
0: LOW
X: DON'T CARE

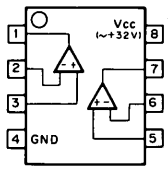
NJM2043D-D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



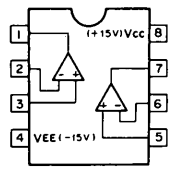
NJM2903D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



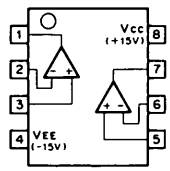
NJM4556D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



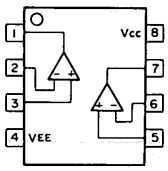
NJM4558D (JRC)
NJM4558DFA (JRC)
uPC4558C (NEC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



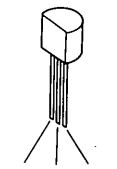
NJM4560D (JRC)
NJM4560DD (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



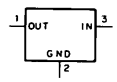
NJM4562D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



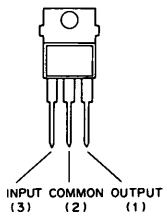
NJM78L ? ?A (JRC)
VOLTAGE REGULATOR



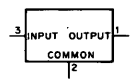
2V	NJM78L02A
5V	NJM78L05A
6V	NJM78L06A
8V	NJM78L08A
9V	NJM78L09A
12V	NJM78L12A
15V	NJM78L15A



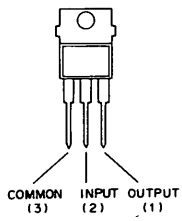
NJM78M ? ?A (JRC)
VOLTAGE REGULATOR
— FRONT VIEW —



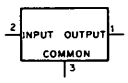
5V	NJM78M05A
6V	NJM78M06A
8V	NJM78M08A
9V	NJM78M09A
12V	NJM78M12A
15V	NJM78M15A
18V	NJM78M18A
20V	NJM78M20A
24V	NJM78M24A



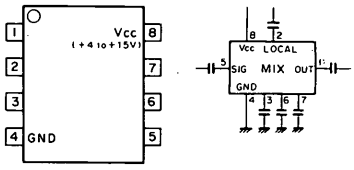
NJM79M ? ?A (JRC)
NEGATIVE VOLTAGE REGULATOR (500mA)
— FRONT VIEW —



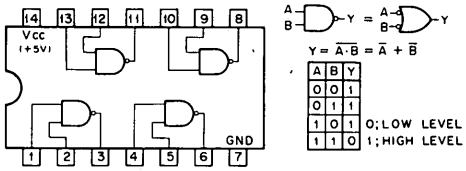
-5V	NJM79M05A
-6V	NJM79M06A
-8V	NJM79M08A
-9V	NJM79M09A
-12V	NJM79M12A
-15V	NJM79M15A
-18V	NJM79M18A
-24V	NJM79M24A



SN16913P (TI)
BALANCED MIXER
— TOP VIEW —



SN7400N (TI)
SN74ALS00N (TI)
SN74LS00N (TI)
SN74S00N (TI)
TTL 2-INPUT POSITIVE-NAND GATE
— TOP VIEW —

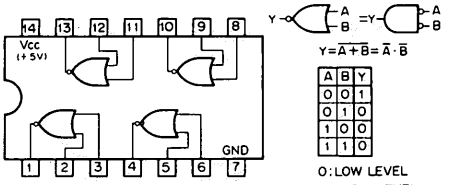


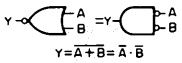
$Y = \overline{A \cdot B} = \overline{A} + \overline{B}$

A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0; LOW LEVEL
1; HIGH LEVEL

SN74LS02N (TI)
TTL 2-INPUT POSITIVE-NOR GATE
— TOP VIEW —



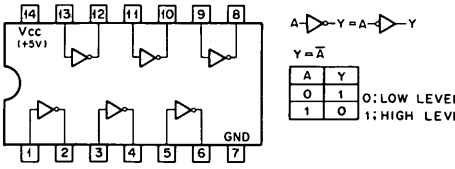


$Y = \overline{A+B} = \overline{A} \cdot \overline{B}$

A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

0; LOW LEVEL
1; HIGH LEVEL

SN7404N (TI)
SN74LS04N (TI)
SN74S04N (TI)
TTL INVERTER
— TOP VIEW —

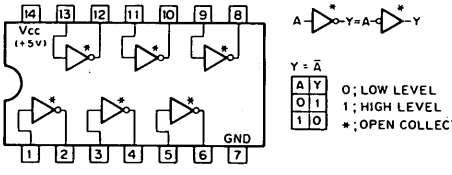


$Y = \overline{A}$

A	Y
0	1
1	0

0; LOW LEVEL
1; HIGH LEVEL

SN7406N (TI)
TTL INVERTER BUFFER/DRIVER WITH OPEN-COLLECTOR
— TOP VIEW —

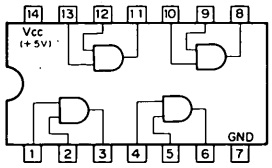


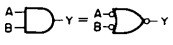
$Y = \overline{A}$

A	Y
0	1
1	0

0; LOW LEVEL
1; HIGH LEVEL
*; OPEN COLLECTOR

SN7408N (TI)
SN74ALS08N (TI)
SN74LS08N (TI)
TTL 2-INPUT POSITIVE-AND GATE
— TOP VIEW —



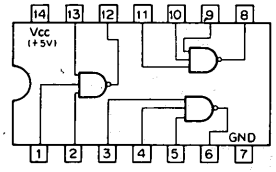


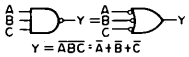
$Y = A \cdot B = \overline{\overline{A} + \overline{B}}$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0; LOW LEVEL
1; HIGH LEVEL

SN74LS10N (TI)
TTL 3-INPUT POSITIVE NAND GATE
— TOP VIEW —



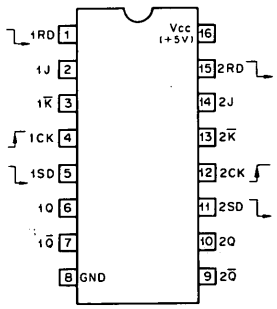


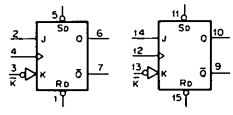
$Y = \overline{ABC} = \overline{A} + \overline{B} + \overline{C}$

A	B	C	Y
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	0

0 : LOW LEVEL
1 : HIGH LEVEL

SN74LS109AN (TI)
TTL J-K FLIP-FLOP WITH DIRECT SET/RESET
— TOP VIEW —

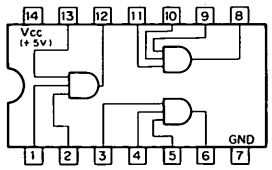


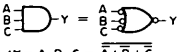


INPUTS					OUTPUTS	
$\overline{S_D}$	$\overline{R_D}$	CK	J	$\overline{K}$	Q_{n+1}	$\overline{Q_{n+1}}$
0	1	X	X	X	1	0
1	0	X	X	X	0	1
0	0	X	X	X	1*	1*
1	1	↓	0	1	Q_n	$\overline{Q_n}$
			0	0	0	1
			1	1	1	0
			1	0	$\overline{Q_n}$	Q_n
1	1	0	X	X	Q_n	$\overline{Q_n}$

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
*; NONSTABLE

SN74LS11N (TI)
TTL 3-INPUT POSITIVE-AND GATE
— TOP VIEW —



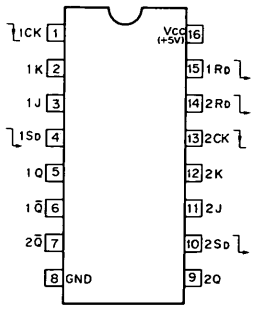


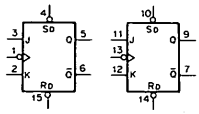
$Y = A \cdot B \cdot C = \overline{\overline{A} + \overline{B} + \overline{C}}$

A	B	C	Y
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

0; LOW LEVEL
1; HIGH LEVEL

SN74LS112AN (TI)
TTL J-K FLIP-FLOP WITH DIRECT SET/RESET
— TOP VIEW —

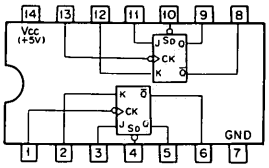




INPUTS					OUTPUTS	
SD	RD	CK	J	K	Qn+1	Q̄n+1
0	1	X	X	X	1	0
1	0	X	X	X	0	1
0	0	X	X	X	1*	1*
1	1	↓	0	0	Qn	Q̄n
			0	1	0	1
			1	0	1	0
			1	1	Q̄n	Qn
1	1	1	X	X	Qn	Q̄n

0; LOW LEVEL X; DON'T CARE
1; HIGH LEVEL *; NONSTABLE

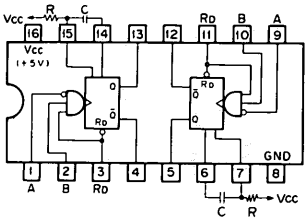
SN74LS113AN (TI)
TTL J-K FLIP FLOP WITH DIRECT SET
— TOP VIEW —



INPUTS				OUTPUTS	
SD	CK	J	K	Qn+1	Q̄n+1
0	X	X	X	1	0
1	↓	0	0	Qn	Q̄n
1	↓	0	1	0	1
1	↓	1	0	1	0
1	↓	1	1	Q̄n	Qn
1	1	X	X	Qn	Q̄n

0; LOW LEVEL X; DON'T CARE
1; HIGH LEVEL

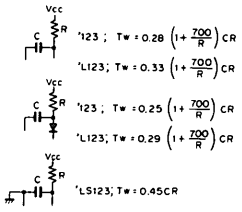
SN74LS123N (TI)
TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR WITH DIRECT RESET
— TOP VIEW —



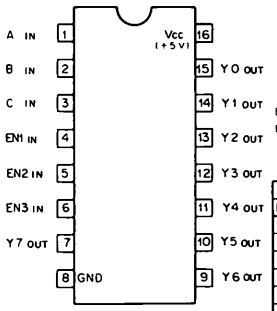
INPUTS			OUTPUTS	
RD	A	B	Q	Q̄
0	X	X	0	1
X	1	X	0	1
X	X	0	0	1
1	0	↑	⊓	⊔
1	↓	1	⊓	⊔
↑	0	1	⊓	⊔

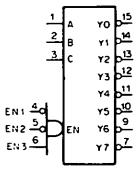
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

OUTPUT PULSE WIDTH



SN74LS138N (TI)
TTL 3-TO-8-LINE DECODER/DEMULTIPLEXER
— TOP VIEW —



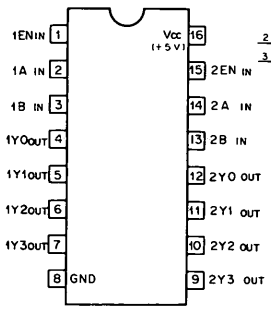


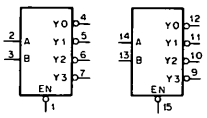
INPUTS				OUTPUTS							
EN	C	B	A	Y7	Y6	Y5	Y4	Y3	Y2	Y1	Y0
0	X	X	X	1	1	1	1	1	1	1	1
1	0	0	0	1	1	1	1	1	1	1	0
1	0	0	1	1	1	1	1	1	1	0	1
1	0	1	0	1	1	1	1	1	0	1	1
1	0	1	1	1	1	1	1	0	1	1	1
1	1	0	0	1	1	1	0	1	1	1	1
1	1	0	1	1	1	0	1	1	1	1	1
1	1	1	0	1	0	1	1	1	1	1	1
1	1	1	1	0	1	1	1	1	1	1	1

EN = $\overline{EN1} \cdot \overline{EN2} \cdot EN3$

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

SN74LS139N (TI)
TTL 2-TO-4-LINE DECODER/DEMULTIPLXER
— TOP VIEW —

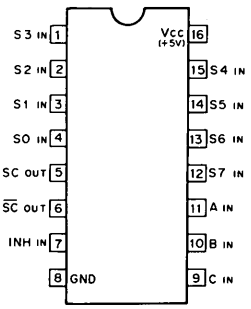


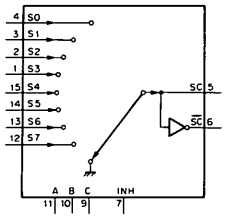


INPUTS			OUTPUTS			
EN	B	A	Y3	Y2	Y1	Y0
0	0	0	1	1	1	0
0	0	1	1	1	0	1
0	1	0	1	0	1	1
0	1	1	0	1	1	1
1	X	X	1	1	1	1

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

SN74LS151N (TI)
TTL 8-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —

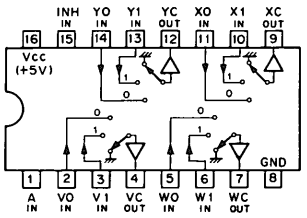


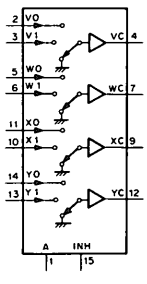


CONTROL INPUTS				ON CHANNEL
INH	C	B	A	
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	X	X	X	GND

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

SN74LS157N (TI)
TTL 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —

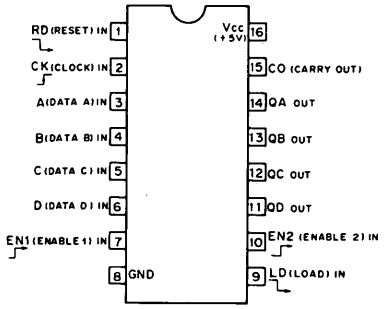


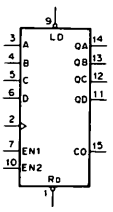


CONT. IN		ON CHANNEL
INH	A	
0	0	0
0	1	1
1	X	GND

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

SN74LS161AN (TI)
TTL PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
— TOP VIEW —





MODE SELECTION

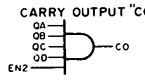
CONTROL INPUTS				MODE
RD	LD	EN1	EN2	
0	X	X	X	RESET (ASYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

COUNT SEQUENCE

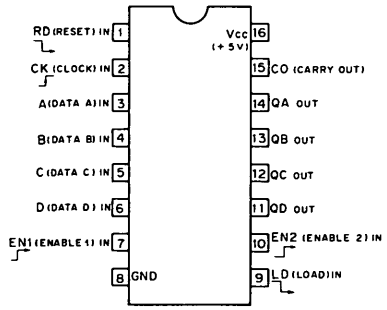
COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

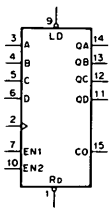
CARRY OUTPUT "CO"



CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

SN74LS163AN (TI)
SN74S163N (TI)
TTL PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
— TOP VIEW —





MODE SELECTION

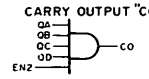
CONTROL INPUTS				MODE
RD	LD	EN1	EN2	
0	X	X	X	RESET (SYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

COUNT SEQUENCE

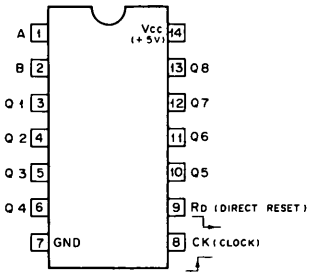
COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

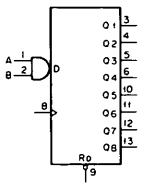
CARRY OUTPUT "CO"



CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

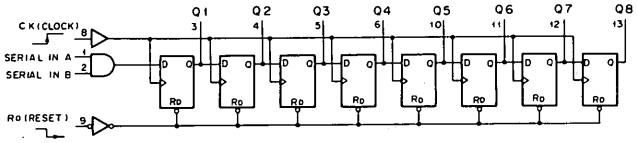
SN74LS164N (TI)
TTL 8-BIT PARALLEL-OUT SERIAL SHIFT REGISTER
— TOP VIEW —



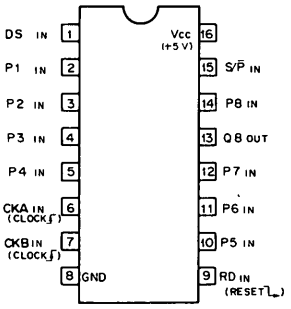


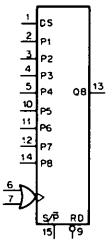
INPUTS				OUTPUTS			
RD	CK	A	B	Q1	Q2	----	Q8
0	X	X	X	0	0	0	0
1	0	X	X	Q1o	Q2o	----	Q8o
1	↑	1	1	1	Q1n	----	Q7n
1	↑	0	X	0	Q1n	----	Q7n
1	↑	X	0	0	Q1n	----	Q7n

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

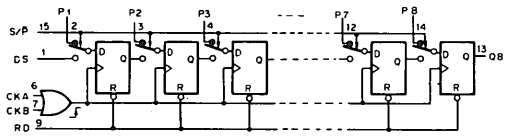


SN74LS166AN (TI)
TTL 8-BIT SHIFT REGISTER
— TOP VIEW —





DS; DATA SERIAL INPUT
P1 – P8; PARALLEL DATA INPUTS
CK; CLOCK



CKA	CKB	CK
0	0	0
X	1	↑
1	X	↑
1	↑	↑
↑	1	↑
0	↑	↑
↑	0	↑

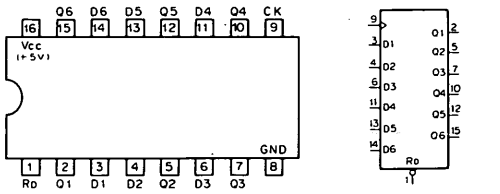
INPUTS					OUTPUT
RD	S/P̄	CK	DS	P1-P8	Q8
0	X	X	X	X	0
1	X	0	X	X	Q8o
1	0	↑	X	1-8	8
1	1	↑	1	X	Q7n
1	1	↑	0	X	Q7n
1	X	↑	X	X	Q8o

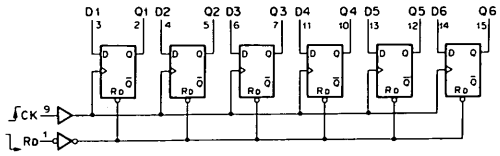
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

SN74LS174N (TI)

TTL D-TYPE FLIP-FLOP WITH DIRECT RESET

— TOP VIEW —





EACH FLIP-FLOP

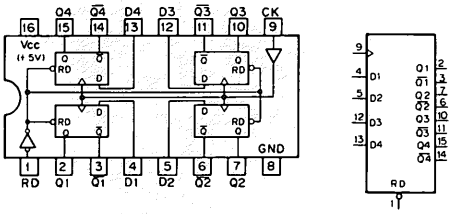
INPUTS			OUT
RD	CK	D	Q
0	X	X	0
1	↓	0	0
1	↓	1	1
1	0	X	Q0

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

SN74LS175N (TI)

TTL D-TYPE FLIP-FLOP WITH CLEAR

— TOP VIEW —



RD	CK	D	Q	$\bar{Q}$
0	X	X	0	1
1	↓	1	1	0
1	↓	0	0	1
1	0	X	Q0	$\bar{Q}_0$

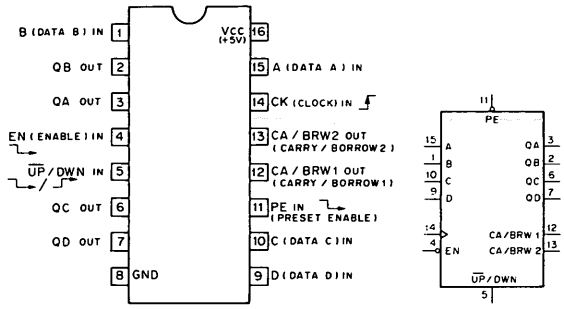
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

SN74191N (TI)

SN74LS191N (TI)

TTL PRESETTABLE SYNCHRONOUS 4-BIT BINARY UP/DOWN COUNTER

— TOP VIEW —



MODE SELECTION

CONTROL INPUTS			MODE
PE	EN	UP/DWN	
0	X	X	PRESET (ASYNCHRONOUS)
1	1	X	NO COUNT
1	0	0	UP COUNT
1	0	1	DOWN COUNT

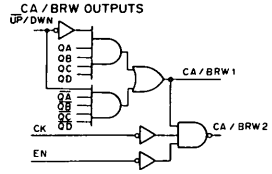
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE.

COUNT SEQUENCE

COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

UP COUNT
DOWN COUNT

CA/BRW OUTPUTS



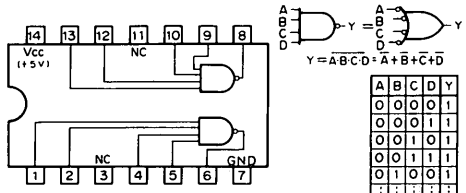
CA/BRW1 OUTPUT IS HIGH WHEN COUNT IS "15" AT UP-COUNT OR WHEN COUNT IS "0" AT DOWN COUNT.

CA/BRW2 OUTPUT IS LOW WHEN BOTH THE CLOCK AND EN INPUTS ARE LOW AND CA/BRW1 OUTPUT IS HIGH.

SN74LS20N (TI)

TTL 4-INPUT POSITIVE NAND GATE

— TOP VIEW —



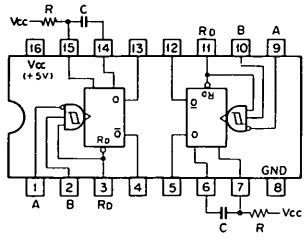
A	B	C	D	Y
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	1
:	:	:	:	:
1	1	0	1	1
1	1	1	0	1
1	1	1	1	0

0; LOW LEVEL
1; HIGH LEVEL

SN74LS221N (TI)

TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT

— TOP VIEW —

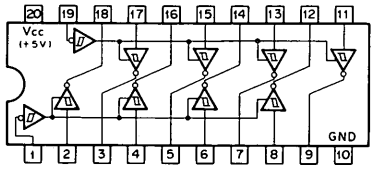


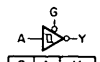
INPUTS			OUTPUTS	
RD	A	B	Q	$\bar{Q}$
0	X	X	0	1
X	1	X	0	1
X	X	0	0	1
1	0	↑	⊓	⊔
1	↓	1	⊓	⊔
↑	0	1	⊓	⊔

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

OUTPUT PULSE WIDTH = 0.7CR

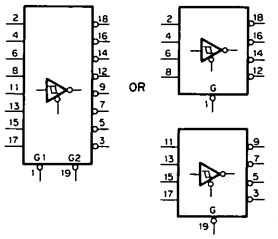
SN74LS240N (TI)
TTL 3-STATE SCHMITT TRIGGER INVERTER/LINE DRIVER
— TOP VIEW —



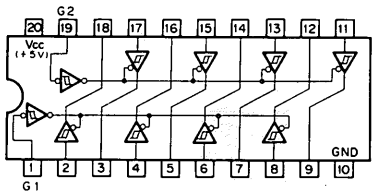


G	A	Y
0	0	1
0	1	0
1	X	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE



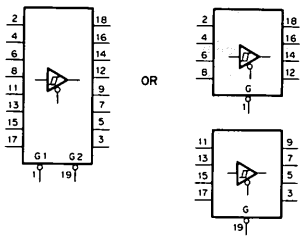
SN74LS244N (TI)
TTL 3-STATE SCHMITT TRIGGER BUFFER/DRIVER
— TOP VIEW —



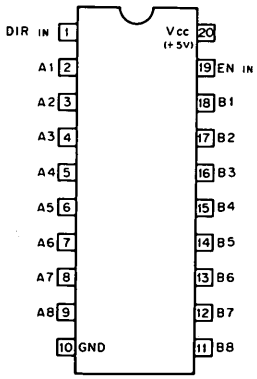


G	A	Y
0	0	0
0	1	1
1	X	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

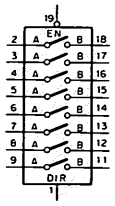


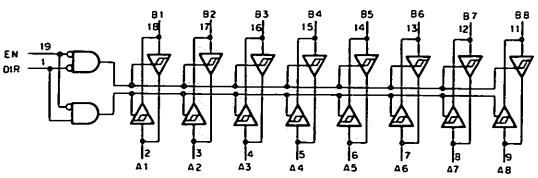
SN74LS245N (TI)
TTL BILATERAL SCHMITT TRIGGER BUS TRANSCEIVERS WITH 3-STATE OUTPUT
— TOP VIEW —



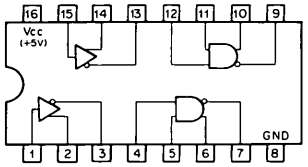
EN	DIR	OPERATION
0	0	B to A
0	1	A to B
1	X	HI-Z

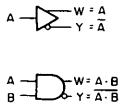
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE.
HI-Z ; HIGH IMPEDANCE



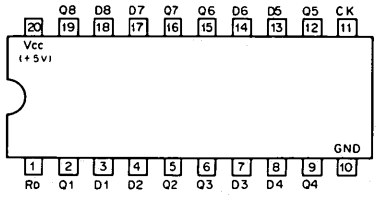


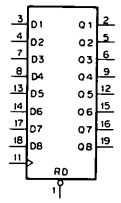
SN74265N (TI)
TTL COMPLEMENTARY-OUTPUT ELEMENT
— TOP VIEW —





SN74273N (TI)
SN74LS273N (TI)
TTL D-TYPE FLIP-FLOP WITH DIRECT RESET
– TOP VIEW –

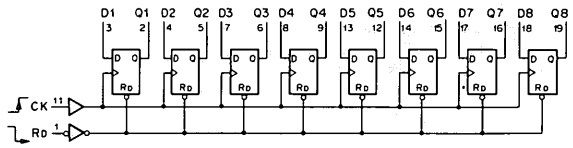




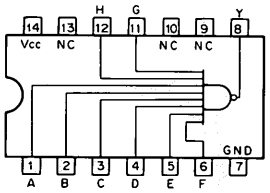
EACH FLIP – FLOP

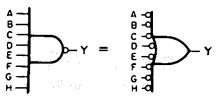
	INPUTS		OUT
RD	CK	D	Q
0	X	X	0
1	↓	0	0
1	↓	1	1
1	0	X	Q0

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

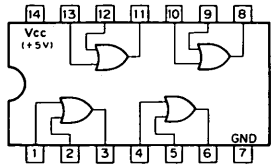


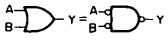
SN74LS30N (TI)
TTL 8-INPUT POSITIVE-NAND GATE
— TOP VIEW —





SN74LS32N (TI)
SN74S32N (TI)
TTL 2-INPUT POSITIVE-OR GATE
— TOP VIEW —

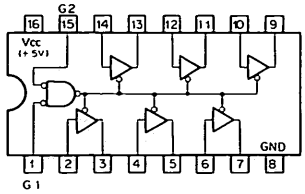


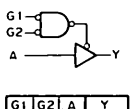


A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL

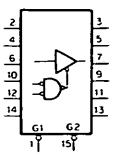
SN74365AN (TI)
TTL 3-STATE BUS DRIVER
— TOP VIEW —





G1	G2	A	Y
0	0	0	0
0	0	1	1
0	1	X	HI-Z
1	0	X	HI-Z
1	1	X	HI-Z

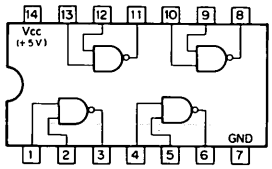
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

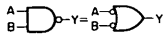


SN74LS37N (TI)

TTL 2-INPUT POSITIVE-NAND GATE BUFFER

— TOP VIEW —





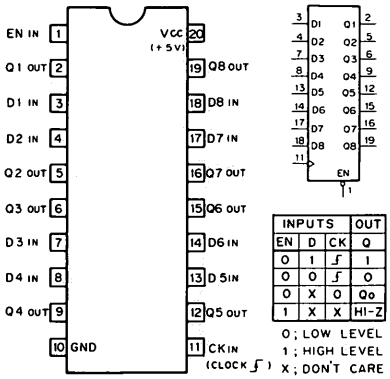
A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

SN74LS374N (TI)

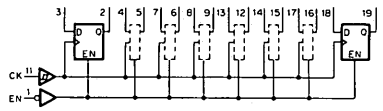
TTL 3-STATE OUTPUTS OCTAL D-TYPE FLIP-FLOP

— TOP VIEW —



INPUTS			OUT
EN	D	CK	Q
0	1	↓	1
0	0	↓	0
0	X	0	Q0
1	X	X	HI-Z

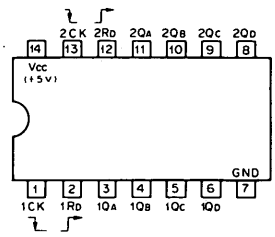
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

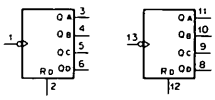


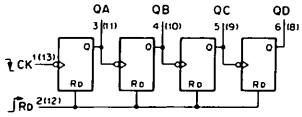
SN74LS393N (TI)

TTL 4-BIT BINARY COUNTER

— TOP VIEW —







RESET/COUNT FUNCTION

RD	QD	QC	QB	QA
1	0	0	0	0
0	COUNT			

0 ; LOW LEVEL
1 ; HIGH LEVEL

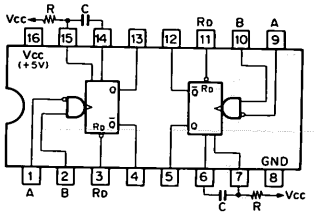
COUNT SEQUENCE

COUNT	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

SN74LS423N (TI)

TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR WITH DIRECT RESET

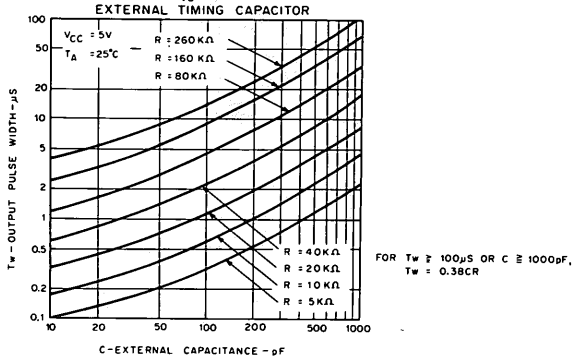
— TOP VIEW —



INPUTS			OUTPUTS	
RD	A	B	Q	$\overline{Q}$
0	X	X	0	1
X	1	X	0	1
X	X	0	0	1
1	0	↑	⎍	⎍
1	↓	1	⎍	⎍

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE

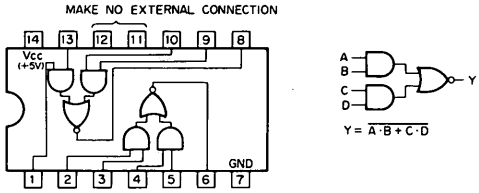
OUTPUT PULSE WIDTH
VS
EXTERNAL TIMING CAPACITOR



SN74S51N (TI)

TTL 2-WIDE 2-INPUT AND-OR-INVERT GATE

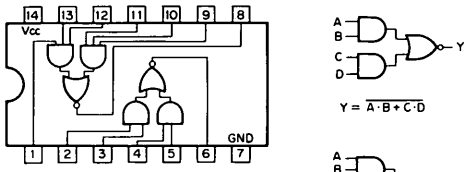
— TOP VIEW —

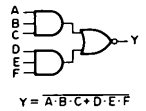


SN74LS51N (TI)

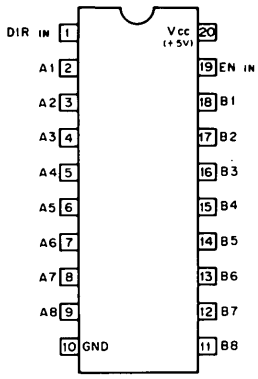
TTL 2-WIDE 2-INPUT / 3-INPUT AND-OR-INVERT GATE

— TOP VIEW —



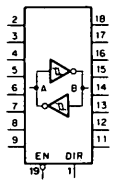


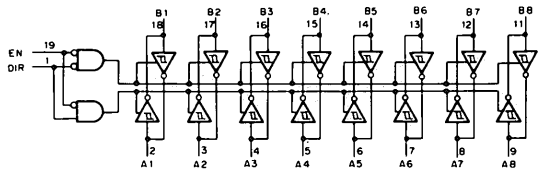
SN74LS640N (TI)
TTL BILATERAL SCHMITT TRIGGER BUS TRANSCEIVERS INVERTER
WITH 3-STATE OUTPUT
— TOP VIEW —



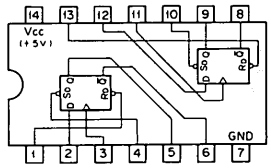
EN	DIR	OPERATION
0	0	B to A
0	1	A to B
1	X	HI-Z

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE





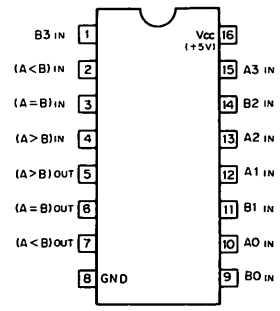
SN74ALS74N (TI)
SN74LS74AN (TI)
SN74S74N (TI)
TTL D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —

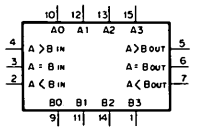


INPUTS				OUTPUTS	
So	Ro	CK	D	Qn+1	$\overline{Qn+1}$
0	1	X	X	1	0
1	0	X	X	0	1
0	0	X	X	1*	1*
1	1	↑	1	1	0
1	1	↑	0	0	1
1	1	0	X	Qn	$\overline{Qn}$

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
1*; NONSTABLE

SN74LS85N (TI)
TTL 4-BIT MAGNITUDE COMPARATOR
— TOP VIEW —

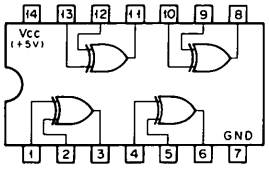




INPUTS								OUTPUTS		
DATA COMPARING					CASCADING					
	A3 , B3	A2 , B2	A1 , B1	A0 , B0	A<B	A=B	A>B	A<B	A=B	A>B
A>B	A3>B3	X	X	X	X	X	X	0	0	1
	A3=B3	A2>B2	X	X						
	A3=B3	A2=B2	A1>B1	X						
	A3=B3	A2=B2	A1=B1	A0>B0						
A=B	A3=B3	A2=B2	A1=B1	A0=B0	0	0	0	1	0	1
					0	0	1	0	0	1
					X	1	X	0	1	0
					1	0	0	1	0	0
					1	0	1	0	0	0
A<B	A3=B3	A2=B2	A1=B1	A0<B0	X	X	X	1	0	0
	A3=B3	A2=B2	A1<B1	X						
	A3=B3	A2<B2	X	X						
	A3<B3	X	X	X						

0; LOW LEVEL 1; HIGH LEVEL X; DON'T CARE

SN74LS86N (TI)
TTL EXCLUSIVE OR GATE
— TOP VIEW —

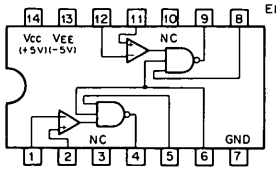


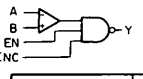


A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0; LOW LEVEL
1; HIGH LEVEL

SN75107AN (TI)
LINE RECEIVER
— TOP VIEW —

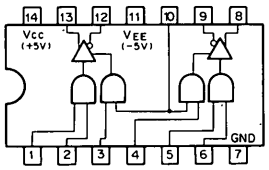


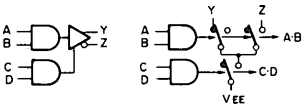


DIFF. INPUTS	EN	ENC	Y
B-A ≦ -25mV	X	X	1
|B-A| < 25mV	X	0	1
	0	X	1
	1	1	N.D
B-A ≧ 25mV	X	0	1
	0	X	1
	1	1	0

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
ND; NOT DEFINED

SN75110AN (TI)
LINE DRIVER
— TOP VIEW —

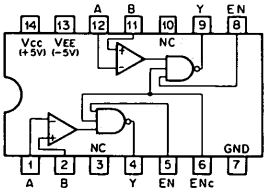




INPUTS				OUTPUTS	
A	B	C	D	Y	Z
X	X	X	O	OFF	OFF
X	X	O	X	OFF	OFF
X	O	1	1	ON	OFF
O	X	1	1	ON	OFF
1	1	1	1	OFF	ON

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

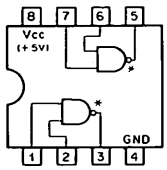
SN75207BN (TI)
BIPOLAR LINE RECEIVER (TTL COMPATIBLE)
— TOP VIEW —

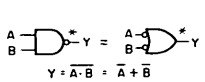


INPUTS			OUT
B-A	EN	ENc	Y
B-A ≧ 10mV	X	0	1
	0	X	1
	1	1	0
|B-A| < 10mV	X	0	1
	0	X	1
	1	1	*
B-A ≦ -10mV	X	X	1

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
*; INDETERMINATE

SN75452BP (TI)
TTL PERIPHERAL POSITIVE-NAND DRIVER
WITH OPEN-COLLECTOR
— TOP VIEW —

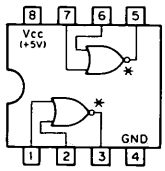


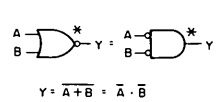


A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0; LOW LEVEL
1; HIGH LEVEL

SN75454BP (TI)
TTL PERIPHERAL POSITIVE-NOR DRIVER WITH OPEN COLLECTOR
— TOP VIEW —

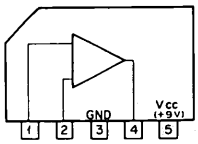




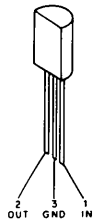
A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

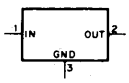
0; LOW LEVEL
1; HIGH LEVEL

TA7060AP (TOSHIBA)
LINEAR AMP
— SIDE VIEW — TA7060P



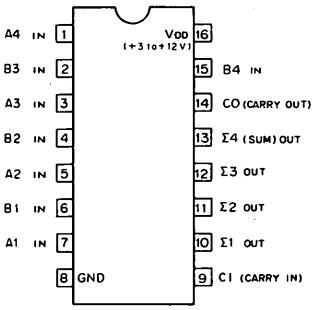
TA78L ? ? ?AP (TOSHIBA)
VOLTAGE REGULATOR

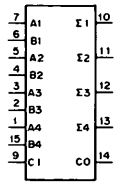




+5V	TA78L005AP
+6V	TA78L006AP
+7V	TA78L007AP
+7.5V	TA78L075AP
+8V	TA78L008AP
+9V	TA78L009AP
+10V	TA78L010AP
+12V	TA78L012AP
+13.2V	TA78L132AP
+15V	TA78L015AP
+18V	TA78L018AP
+20V	TA78L020AP
+24V	TA78L024AP

TC4008BP (TOSHIBA)
C-MOS 4-BIT FULL ADDER
— TOP VIEW —

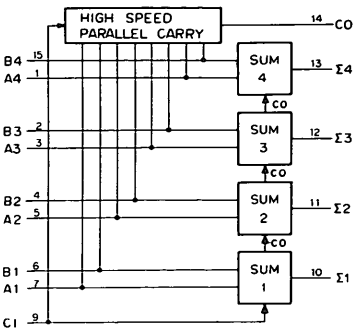




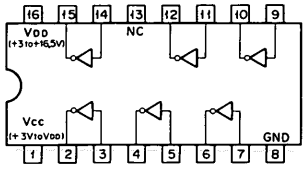
ONE STAGE

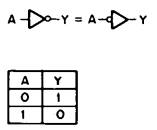
INPUTS			OUTPUTS	
CI	B	A	CO	Σ
0	0	0	0	0
0	0	1	0	1
0	1	0	0	1
0	1	1	1	0
1	0	0	0	1
1	0	1	1	0
1	1	0	1	0
1	1	1	1	1

0; LOW LEVEL
1; HIGH LEVEL



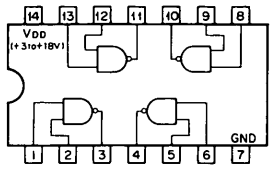
TC4009UBP (TOSHIBA)
C-MOS INVERTING TYPE BUFFER/CONVERTER (TO TTL LEVEL)
— TOP VIEW —

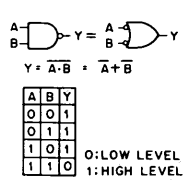




A	Y
0	1
1	0

TC4011BP (TOSHIBA)
uPD4011BC (NEC)
C-MOS 2-INPUT NAND GATE
- TOP VIEW -

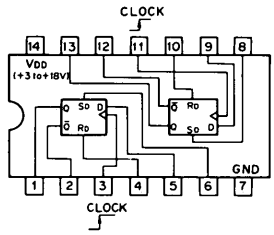




A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0; LOW LEVEL
1; HIGH LEVEL

TC4013BP (TOSHIBA)
C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —



DIRECT R-S FLIP FLOP

Sn	Rn	Q	Q̄
0	0	Qn	Q̄n
0	1	0	1
1	0	1	0
1	1	0	1

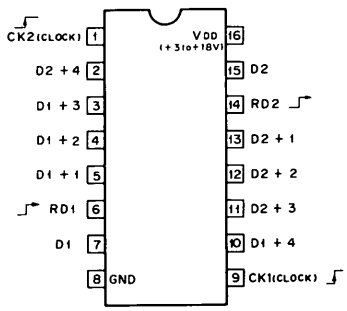
D-TYPE FLIP FLOP

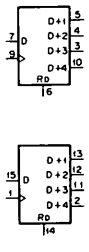
CKn	CKn+1
D	Q
0	0
1	1

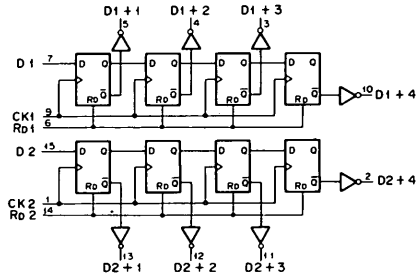
CLOCK CK; ⌐¯
CKn; BEFORE CLOCK
CKn+1; AFTER CLOCK

0; LOW LEVEL
1; HIGH LEVEL

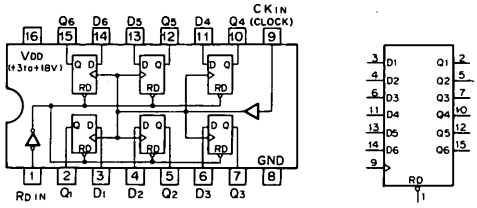
TC4015BP (TOSHIBA)
C-MOS DUAL 4-STAGE STATIC SHIFT REGISTER WITH DIRECT RESET
— TOP VIEW —







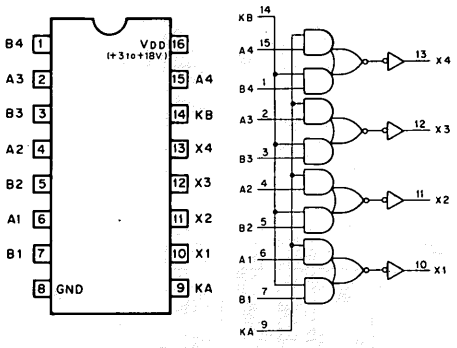
TC40174BP (TOSHIBA)
C-MOS D-TYPE FLIP-FLOP
— TOP VIEW —



INPUTS			OUTPUT
CK	D	RD	Q
↑	0	1	0
↑	1	1	1
↓	X	1	Q0
X	X	0	0

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

TC4019BP (TOSHIBA)
C-MOS AND-OR SELECT GATE
— TOP VIEW —

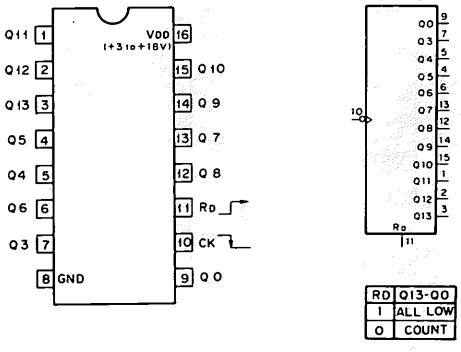


$Xn = An \cdot KA + Bn \cdot KB$

KA	KB	Xn
0	0	0
1	0	An
0	1	Bn
1	1	An+Bn

(n = 1 ~ 4)

TC4020BP (TOSHIBA)
C-MOS 14-STAGE RIPPLE-CARRY BINARY COUNTER/DRIVER
— TOP VIEW —

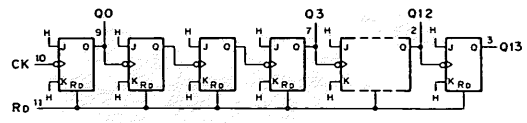


RD	Q13-Q0
1	ALL LOW
0	COUNT

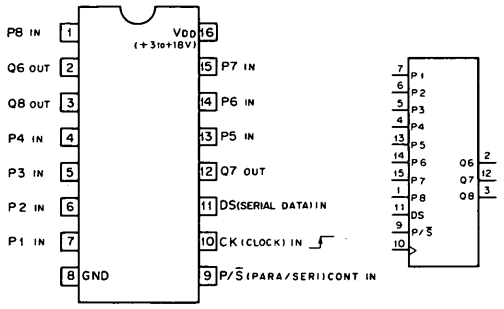
COUNT	BINARY OUTPUTS													
		Q13	Q12	Q11	Q10	Q9	Q8	Q7	Q6	Q5	Q4	Q3	Q2	Q1
0	0000	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0001	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0002	0	0	0	0	0	0	0	0	0	0	0	1	0
3	0003	0	0	0	0	0	0	0	0	0	0	0	1	1
4	0004	0	0	0	0	0	0	0	0	0	0	1	0	0
16380	4FFC	1	1	1	1	1	1	1	1	1	1	1	0	0
16381	4FFD	1	1	1	1	1	1	1	1	1	1	1	0	1
16382	4FFE	1	1	1	1	1	1	1	1	1	1	1	1	0
16383	4FFF	1	1	1	1	1	1	1	1	1	1	1	1	1

IN HEXADECIMAL
IN DECIMAL

0; LOW LEVEL
1; HIGH LEVEL

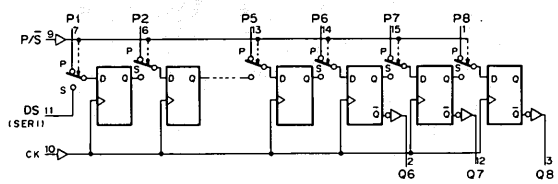


TC4021BP (TOSHIBA)
C-MOS ASYNCHRONOUS PARALLEL/SYNCHRONOUS SERIAL INPUT 8-BIT
STATIC SHIFT REGISTER
— TOP VIEW —

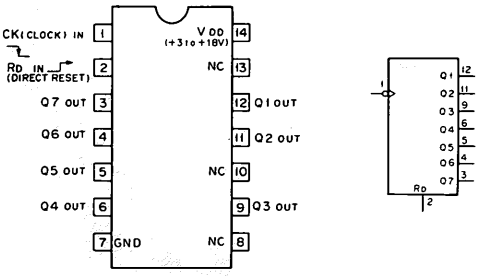


tn				tn + 1							
INPUT				INTERNAL OUTPUTS					OUTPUTS		
P/S CONT	CK	P	DS	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
1	X	P1 ~ P8	X	P1	P2	P3	P4	P5	P6	P7	P8
0	↓	X	1	1	Q1n	Q2n	Q3n	Q4n	Q5n	Q6n	Q7n
0	↓	X	0	0	Q1n	Q2n	Q3n	Q4n	Q5n	Q6n	Q7n
X	0	X	X	Q1n	Q2n	Q3n	Q4n	Q5n	Q6n	Q7n	Q8n

0; LOW LEVEL X; DON'T CARE. tn; BEFORE CLOCK
1; HIGH LEVEL tn+1; AFTER CLOCK

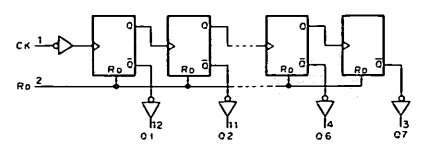


TC4024BP (TOSHIBA)
C-MOS ASYNCHRONOUS 7-BIT BINARY COUNTER
— TOP VIEW —

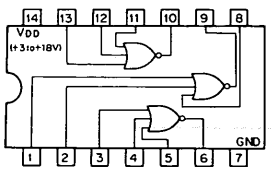


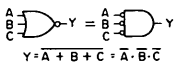
COUNT	INPUTS		OUTPUTS						
	CK	RD	Q7	Q6	Q5	Q4	Q3	Q2	Q1
0	X	1	0	0	0	0	0	0	0
1	↓	0	0	0	0	0	0	0	1
2	↓	0	0	0	0	0	0	1	0
3	↓	0	0	0	0	0	0	1	1
4	↓	0	0	0	0	0	1	0	0
125	↓	0	1	1	1	1	1	0	1
126	↓	0	1	1	1	1	1	1	0
127	↓	0	1	1	1	1	1	1	1
—	0	0	NO CHANGE						
—	1	0							

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE



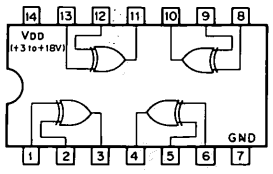
TC4025BP (TOSHIBA)
C-MOS 3-INPUT NOR GATE
— TOP VIEW —





A	B	C	Y
0	0	0	1
X	X	1	0
X	1	X	0
1	X	X	0

TC4030BP (TOSHIBA)
uPD4030BC (NEC)
C-MOS EXCLUSIVE OR GATE
— TOP VIEW —

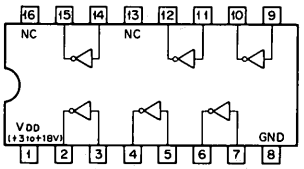


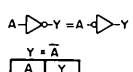


A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

TC4049BP (TOSHIBA)
C-MOS INVERTING TYPE BUFFER/CONVERTER
— TOP VIEW —

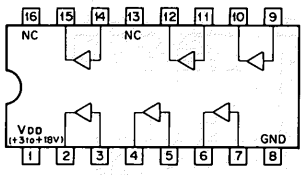


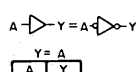


A	Y
0	1
1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

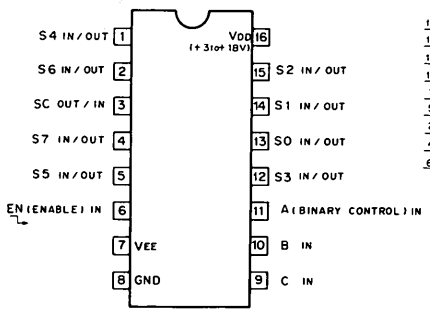
TC4050BP (TOSHIBA)
uPD4050C (NEC)
C-MOS NON-INVERTING TYPE BUFFER/CONVERTER
— TOP VIEW —

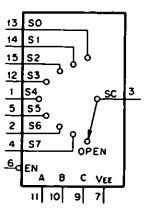




A	Y
0	0
1	1

TC4051BP (TOSHIBA)
C-MOS 8-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —

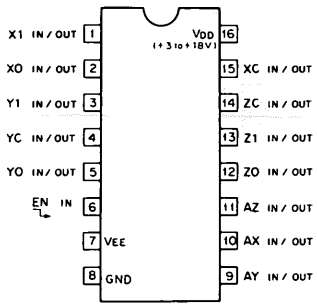


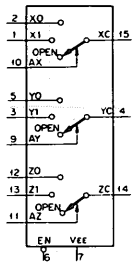


EN	C	B	A	"ON" CHANNEL
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	X	X	X	OPEN

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

TC4053BP (TOSHIBA)
uPD4053BC (NEC)
C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —

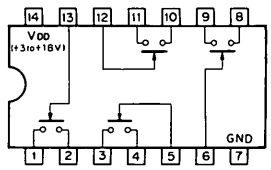




CONT. INPUTS		ON
EN	A (X,Y,Z)	CHANNEL
0	0	0
0	1	1
1	X	OPEN

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

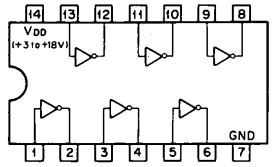
TC4066BP (TOSHIBA)
uPD4066BC (NEC)
C-MOS BILATERAL SWITCH
— TOP VIEW —

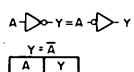


CONT IN	SW
0	OFF
1	ON

0 ; LOW LEVEL
1 ; HIGH LEVEL

TC4069UBP (TOSHIBA)
uPD4069UBC (NEC)
C-MOS INVERTER
— TOP VIEW —

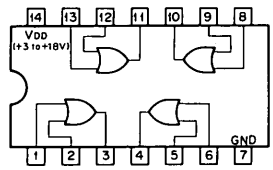


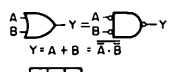


A	Y
0	1
1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

TC4071BP (TOSHIBA)
uPD4071BC (NEC)
C-MOS 2-INPUT OR GATE
— TOP VIEW —

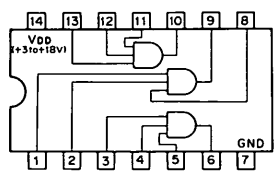


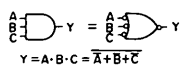


A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL

TC4073BP (TOSHIBA)
uPD4073BC (NEC)
C-MOS 3-INPUT POSITIVE AND GATE
— TOP VIEW —

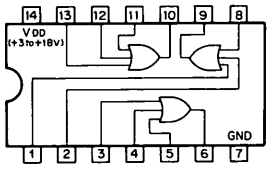


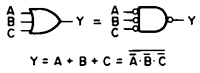


A	B	C	Y
X	X	0	0
X	0	X	0
0	X	X	0
1	1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

TC4075BP (TOSHIBA)
C-MOS 3-INPUT OR GATE
— TOP VIEW —

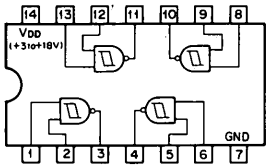


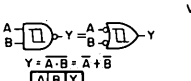


C	B	A	Y
0	0	0	0
X	X	1	1
X	1	X	1
1	X	X	1

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

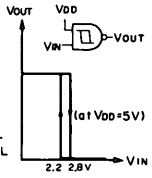
TC4093BP (TOSHIBA)
C-MOS 2-INPUT NAND SCHMITT TRIGGER
— TOP VIEW —



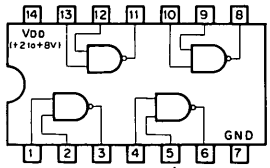


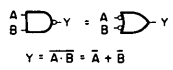
A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0; LOW LEVEL
1 ; HIGH LEVEL



TC40H000P (TOSHIBA)
C-MOS 2-INPUT NAND GATE
— TOP VIEW —

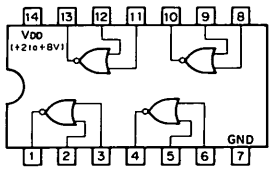


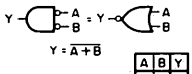


A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0; LOW LEVEL
1 ; HIGH LEVEL

TC40H002P (TOSHIBA)
C-MOS 2-INPUT NOR GATE
— TOP VIEW —

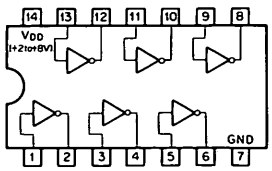




A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

0:LOW LEVEL
1:HIGH LEVEL

TC40H004P (TOSHIBA)
C-MOS INVERTER
— TOP VIEW —

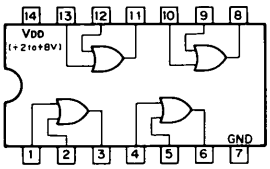


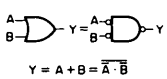


A	Y
0	1
1	0

0;LOW LEVEL
1;HIGH LEVEL

TC40H032P (TOSHIBA)
C-MOS 2-INPUT POSITIVE-OR GATE
— TOP VIEW —

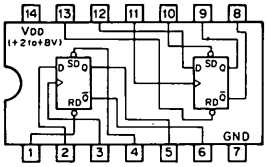


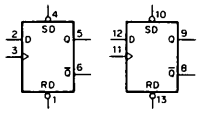


A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0:LOW LEVEL
1:HIGH LEVEL

TC40H074P (TOSHIBA)
C-MOS HIGH SPEED D-TYPE FLIP-FLOP WITH DIRECT SET/RESET
— TOP VIEW —





D-MODE

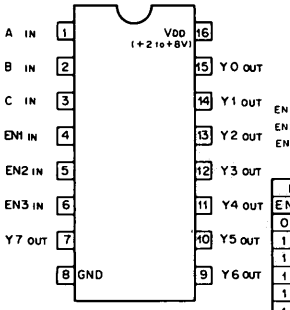
tn	tn + 1	
D	Q	$\overline{Q}$
0	0	1
1	1	0

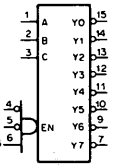
R-S MODE

INPUT		OUTPUT	
RD	SD	Q	$\overline{Q}$
0	0	1	1
0	1	0	1
1	0	1	0
1	1	D-MODE	

0;LOW LEVEL
1;HIGH LEVEL

TC40H138P (TOSHIBA)
C-MOS 3-TO-8-LINE DECODER/DEMULTIPLEXER
— TOP VIEW —



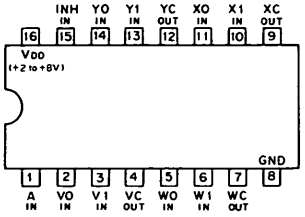


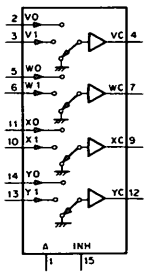
INPUTS				OUTPUTS							
EN	C	B	A	Y7	Y6	Y5	Y4	Y3	Y2	Y1	Y0
0	X	X	X	1	1	1	1	1	1	1	1
1	0	0	0	1	1	1	1	1	1	1	0
1	0	0	1	1	1	1	1	1	1	0	1
1	0	1	0	1	1	1	1	1	0	1	1
1	0	1	1	1	1	1	1	0	1	1	1
1	1	0	0	1	1	1	0	1	1	1	1
1	1	0	1	1	1	0	1	1	1	1	1
1	1	1	0	1	0	1	1	1	1	1	1
1	1	1	1	0	1	1	1	1	1	1	1

EN = $\overline{EN1}\cdot\overline{EN2}\cdot EN3$

0 : LOW LEVEL
1 : HIGH LEVEL
X ; DON'T CARE

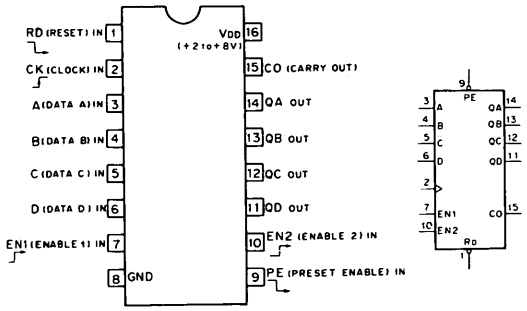
TC40H157P (TOSHIBA)
C-MOS 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —





	CONT. IN		ON CHANNEL
	INH	A	
0;LOW LEVEL	0	0	0
1;HIGH LEVEL	0	1	1
X;DON'T CARE	1	X	GND

TC40H161P (TOSHIBA)
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
— TOP VIEW —



MODE SELECTION

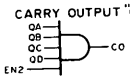
CONTROL INPUTS				MODE
RD	PE	EN1	EN2	
0	X	X	X	RESET (ASYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

COUNT SEQUENCE

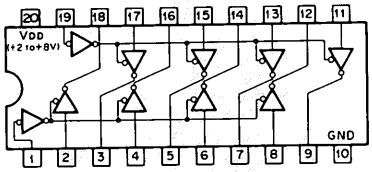
COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

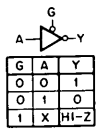
CARRY OUTPUT "CO"



CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

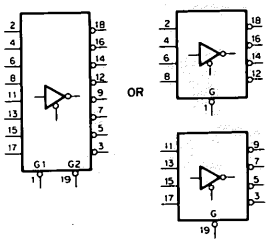
TC40H240P (TOSHIBA)
C-MOS 3-STATE INVERTER/LINE DRIVER
— TOP VIEW —



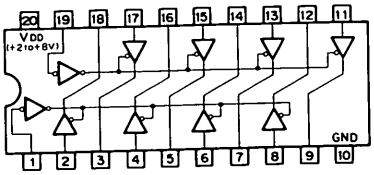


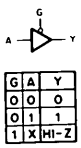
G	A	Y
0	0	1
0	1	0
1	X	HI-Z

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE



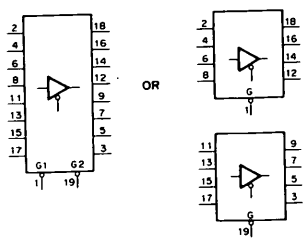
TC40H244P (TOSHIBA)
C-MOS 3-STATE BUFFER/DRIVER
— TOP VIEW —



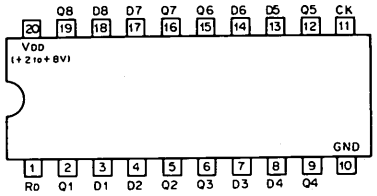


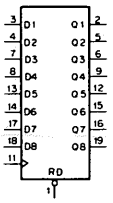
G	A	Y
0	0	0
0	1	1
1	X	HI-Z

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE



TC40H273P (TOSHIBA)
C-MOS D-TYPE FLIP-FLOP WITH DIRECT RESET
— TOP VIEW —

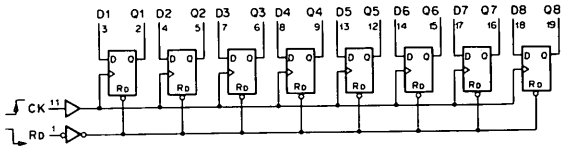




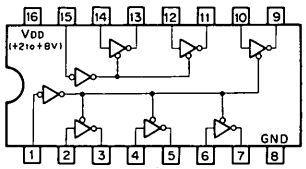
EACH FLIP-FLOP

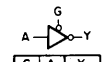
INPUTS			OUT
RD	CK	D	Q
0	X	X	0
1	↑	0	0
1	↑	1	1
1	0	X	Q0

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE



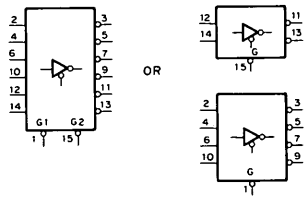
TC40H368P (TOSHIBA)
C-MOS INVERTING 3-STATE BUFFER
— TOP VIEW —



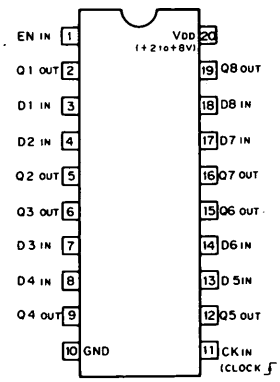


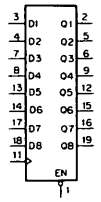
G	A	Y
0	0	1
0	1	0
1	X	HI-Z

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE



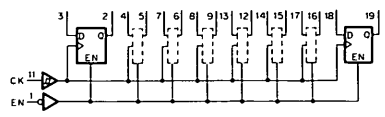
TC40H374P (TOSHIBA)
C-MOS 3-STATE OUTPUTS OCTAL D-TYPE FLIP-FLOP
— TOP VIEW —



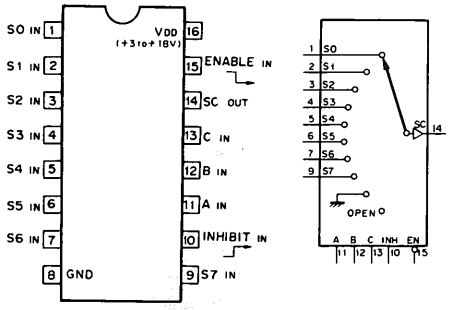


INPUTS			OUT
EN	D	CK	Q
0	1	↑	1
0	0	↑	0
0	X	0	Q0
1	X	X	HI-Z

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE



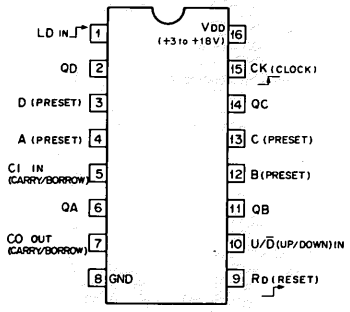
TC4512BP (TOSHIBA)
C-MOS 8-CHANNEL DATA SELECTOR/MULTIPLEXER
— TOP VIEW —

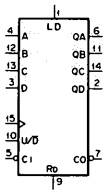


CONTROL INPUTS					OUTPUT
EN	INH	C	B	A	SC
0	0	0	0	0	S0
0	0	0	0	1	S1
0	0	0	1	0	S2
0	0	0	1	1	S3
0	0	1	0	0	S4
0	0	1	0	1	S5
0	0	1	1	0	S6
0	0	1	1	1	S7
0	1	X	X	X	GND
1	X	X	X	X	OPEN

0;LOW LEVEL
1;HIGH LEVEL
X;DON'T CARE

TC4516BP (TOSHIBA)
uPD4516BC (NEC)
C-MOS PRESETTABLE BINARY UP/DOWN COUNTER
— TOP VIEW —





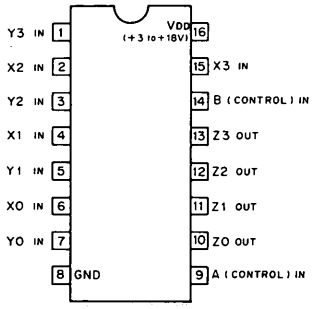
INPUTS					OUTPUTS			
CK	RD	LD	CI	U/D	QD	QC	QB	QA
X	1	X	X	X	0	0	0	0
X	0	1	X	X	SET TO A,B,C,D			
↓	0	0	0	1	COUNT UP			
↓	0	0	0	0	COUNT DOWN			
0	0	0	X	X	NO CHANGE			
X	0	0	1	X	NO CHANGE			

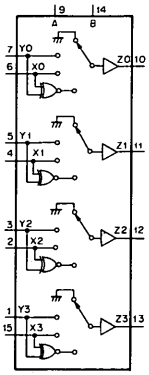
CO=L
CI=L & (DOWN·COUNT "0" OR UP·COUNT "15")

COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

COUNT UP
COUNT DOWN

TC4519BP (TOSHIBA)
uPD4519BC (NEC)
C-MOS 4-BIT AND/OR SELECTOR
2-CHANNEL DATA SELECTOR
EXCLUSIVE "NOR" GATE
— TOP VIEW —

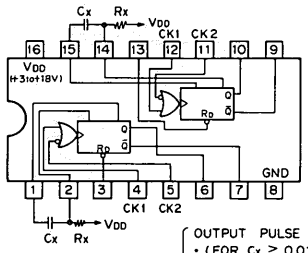




CONTROL		OUTPUT
A	B	Z
0	0	GND
0	1	Y
1	0	X
1	1	Z

0;LOW LEVEL
1;HIGH LEVEL

TC4528BP (TOSHIBA)
C-MOS RETRIGGERABLE/RESETTABLE MMV
— TOP VIEW —

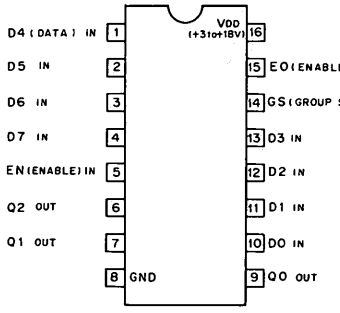


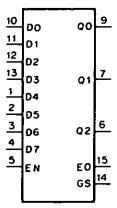
INPUTS			OUTPUTS	
CK1	CK2	Rd	Q	$\bar{Q}$
↓	1	1	⎍	⎎
↓	0	1	⎍	⎎
1	↑	1	⎍	⎎
0	↑	1	⎍	⎎
X	X	0	0	1

0;LOW LEVEL
1;HIGH LEVEL
X;DON'T CARE

OUTPUT PULSE WIDTH Q OR $\bar{Q}$
• (FOR Cx ≧ 0.01μF USE FORMULA)
PW = 0.2 · Rx · Cx · ℓn (VDD − GND)
• (FOR Cx < 0.01μF USE DATA BOOK.)

TC4532BP (TOSHIBA)
C-MOS 8-BIT PRIORITY ENCODER
— TOP VIEW —

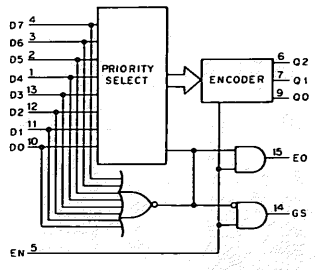




D7 IS THE HIGHEST PRIORITY

INPUTS									OUTPUTS				
EN	D7	D6	D5	D4	D3	D2	D1	D0	GS	Q2	Q1	Q0	EO
0	X	X	X	X	X	X	X	X	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	1
1	1	X	X	X	X	X	X	X	1	1	1	1	0
1	0	1	X	X	X	X	X	X	1	1	1	0	0
1	0	0	1	X	X	X	X	X	1	1	0	1	0
1	0	0	0	1	X	X	X	X	1	1	0	0	0
1	0	0	0	0	1	X	X	X	1	0	1	1	0
1	0	0	0	0	0	1	X	X	1	0	1	0	0
1	0	0	0	0	0	0	1	X	1	0	0	1	0
1	0	0	0	0	0	0	0	1	1	0	0	0	0

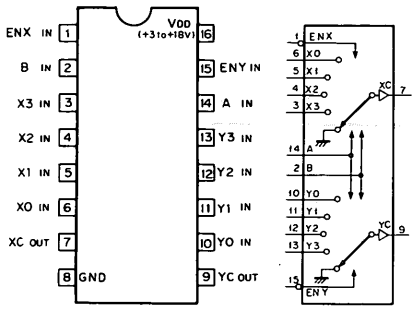
1:HIGH LEVEL
0:LOW LEVEL
X:DON'T CARE



TC4539BP (TOSHIBA)

C-MOS DUAL 4-CHANNEL DATA SELECTOR/MULTIPLEXER

— TOP VIEW —



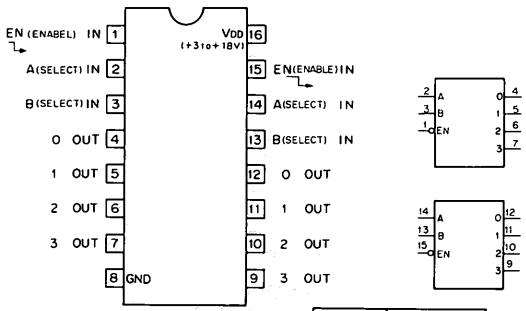
CONT IN			ON CHANNEL
EN	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	X	X	GND

0; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

TC4555BP (TOSHIBA)

C-MOS BINARY TO 1-OF-4 DECODER/DEMULTIPLEXER

— TOP VIEW —



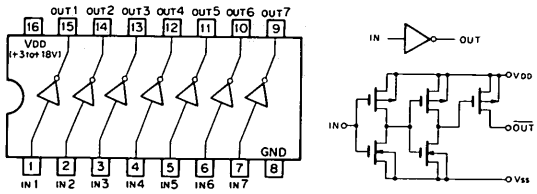
INPUTS			OUTPUTS			
EN	B	A	3	2	1	0
0	0	0	0	0	0	1
0	0	1	0	0	1	0
0	1	0	0	1	0	0
0	1	1	1	0	0	0
1	X	X	0	0	0	0

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

TC5067BP (TOSHIBA)

C-MOS HIGH VOLTAGE BUFFER/INVERTING TYPE

— TOP VIEW —

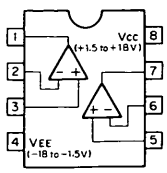


TL062CP (TI)

OPERATIONAL AMPLIFIER

(JFET INPUT)

— TOP VIEW —



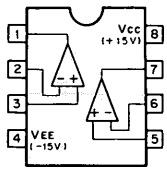
TL082CP (TI)

uPC4082C (NEC)

OPERATIONAL AMPLIFIER

(J FET-INPUT)

— TOP VIEW —

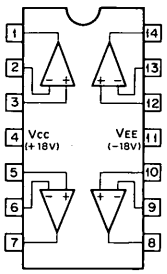


TL084CN (TI)

OPERATIONAL AMPLIFIER

(J FET-INPUT)

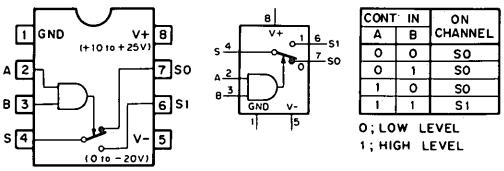
— TOP VIEW —



TL601CP (TI)

P-MOS ANALOG SWITCH

— TOP VIEW —



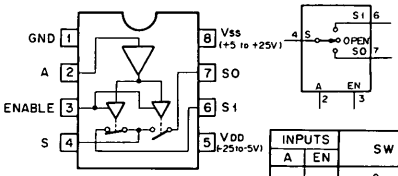
CONT IN		ON CHANNEL
A	B	
0	0	SO
0	1	SO
1	0	SO
1	1	S1

0; LOW LEVEL
1; HIGH LEVEL

TL607CP (TI)

P-MOS ANALOG SWITCH

— TOP VIEW —



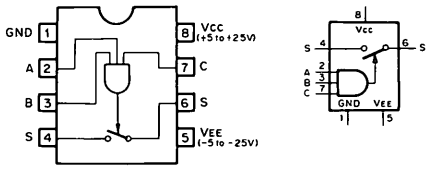
INPUTS		SW
A	EN	
X	0	OPEN
0	1	6-7
1	1	6-7

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

TL610CP (TI)

MOS ANALOG SWITCH

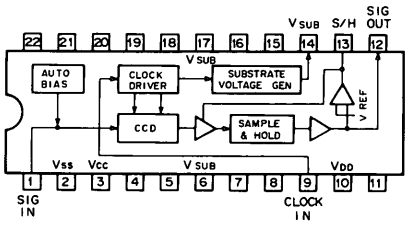
— TOP VIEW —



CONT IN			S
A	B	C	
0	X	X	OFF(OPEN)
X	0	X	OFF(OPEN)
X	X	0	OFF(OPEN)
1	1	1	ON(CLOSED)

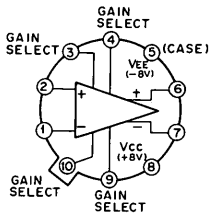
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

TL8605P (TOSHIBA)
TL8605P-S (TOSHIBA)
CCD ANALOG PROCESSING UNIT
— TOP VIEW —

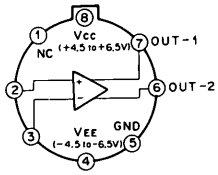


NC PIN; 4, 5, 7, 8, 11, 15, 16, 18, 19, 20, 21, 22

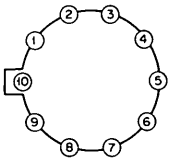
uA733HC (FSC)
DIFFERENTIAL VIDEO AMPLIFIER
— BOTTOM VIEW —



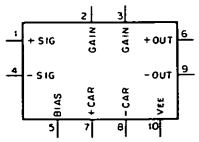
uA760HC (FSC)
HIGH SPEED VOLTAGE COMPARATOR
— TOP VIEW —



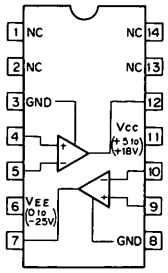
uA796HC (FSC)
uA796HCA (FSC)
DOUBLE-BALANCED MOD/DEMOD.
— BOTTOM VIEW —



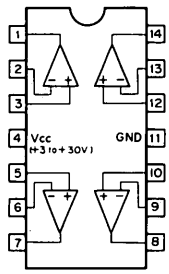
1 +SIGNAL INPUT
2 GAIN ADJUST
3 GAIN ADJUST
4 −SIGNAL INPUT
5 BIAS
6 +OUTPUT
7 +CARRIER INPUT
8 −CARRIER INPUT
9 −OUTPUT
10 VEE



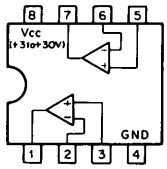
uPC272C (NEC)
uPC319C (NEC)
DUAL VOLTAGE COMPARATOR
– TOP VIEW –



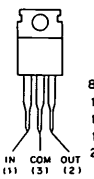
uPC324C (NEC)
QUAD. OP AMPLIFIER
— TOP VIEW —



uPC358C (NEC)
DUAL OPERATIONAL AMPLIFIERS
— TOP VIEW —



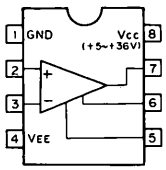
uPC78 ? ?H (NEC)
POSITIVE VOLTAGE REGULATOR (1A)



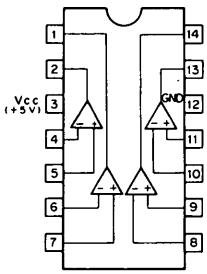
5V	μA7805UC	FS7805	μPC14305H	μPC7805H	HA17805P
6V	μA7806UC				HA17806P
7V					HA17807P
8V	μA7808UC		μPC14308H	μPC7808H	HA17808P
8.5V	μA7885UC				
12V	μA7812UC	FS7812	μPC14312H	μPC7812H	HA17812P
15V	μA7815UC	FS7815	μPC14315H	μPC7815H	HA17815P
18V	μA7818UC		μPC14318H	μPC7818H	HA17818P
24V	μA7824UC	FS7824	μPC14324H	μPC7824H	HA17824P



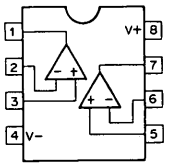
uPC311C (NEC)
VOLTAGE COMPARATOR
— TOP VIEW —



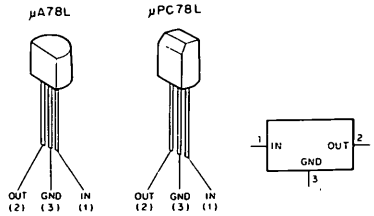
uPC339C (NEC)
COMPARATOR
— TOP VIEW —



uPC4557C (NEC)
OPERATIONAL AMPLIFIER (WIDE BAND, LOW NOISE)
— TOP VIEW —

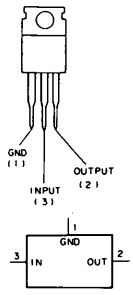


uPC78L ? ? (NEC)
POSITIVE VOLTAGE REGULATOR (100mA)



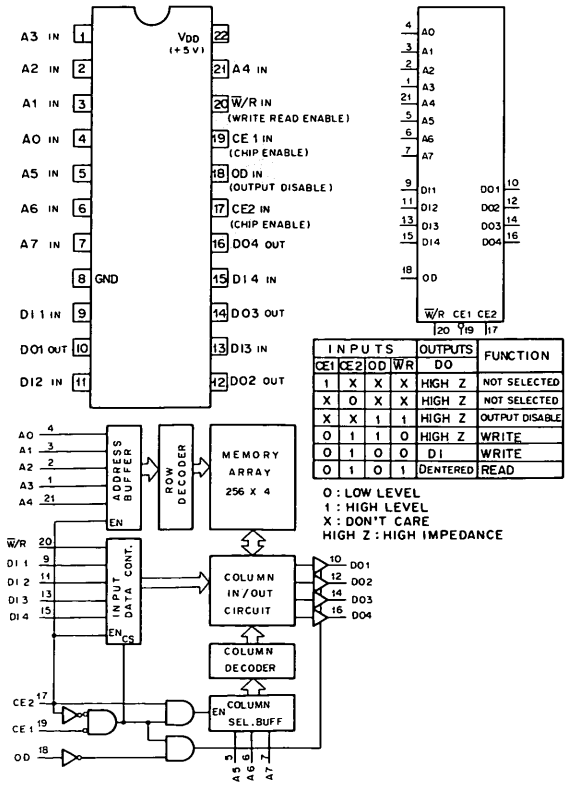
2.6V	μA78L26AWV	μA78L02ACL	
5V	μA78L05AWV	μA78L05ACL	μPC78L05(A)
6.2V	μA78L62AWV	μA78L06ACL	
8V		μA78L08ACL	μPC78L08
8.2V	μA78L82AWV		
9V	μA78L09AWV	μA78L09ACL	
10V		μA78L10ACL	
12V	μA78L12AWV	μA78L12ACL	μPC78L12
15V	μA78L15AWV	μA78L15ACL	μPC78L15
18V	μA78L18AWV		
24V	μA78L24AWV		

uPC79 ? ?H (NEC)
NEGATIVE VOLTAGE REGULATOR (1A)



− 5V	μA7905UC	FS7905	μPC7905H
− 6V	μA7906UC		
− 8V	μA7908UC		μPC7908H
−12V	μA7912UC		μPC7912H
−15V	μA7915UC		μPC7915H
−18V	μA7918UC		μPC7918H
−24V	μA7924UC		μPC7924H

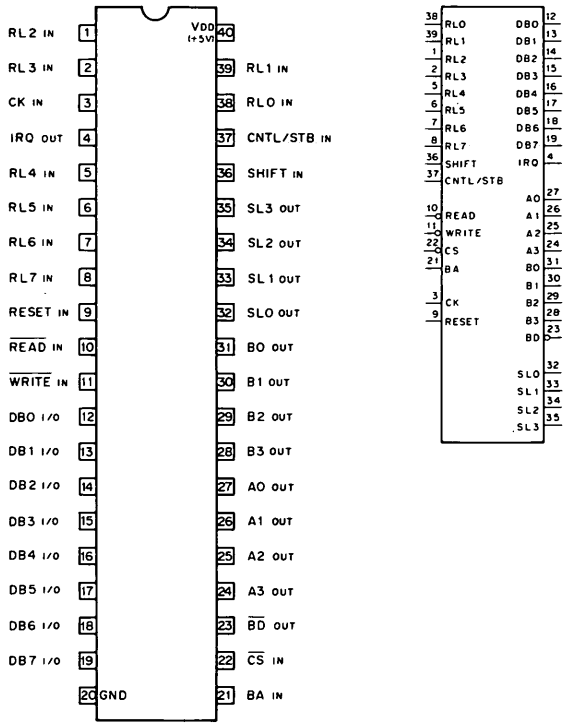
uPD5101LC-1 (NEC) (ACCESS TIME = 450 nS)
C-MOS 1024-BIT(256x4) STATIC RAM
— TOP VIEW —



INPUTS				OUTPUTS	FUNCTION
CE1	CE2	OD	W/R	DO	
1	X	X	X	HIGH Z	NOT SELECTED
X	0	X	X	HIGH Z	NOT SELECTED
X	X	1	1	HIGH Z	OUTPUT DISABLE
0	1	1	0	HIGH Z	WRITE
0	1	0	0	DI	WRITE
0	1	0	1	DENTERED	READ

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE
HIGH Z : HIGH IMPEDANCE

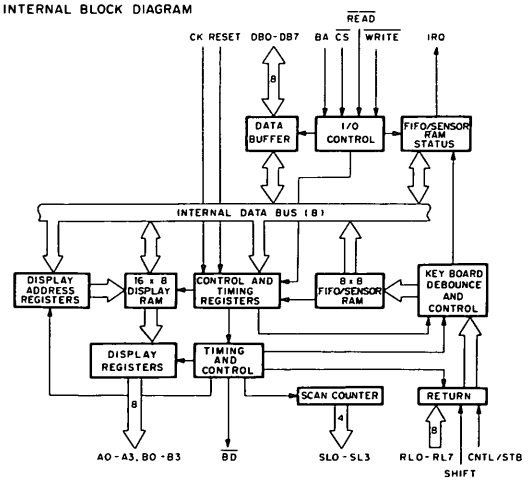
uPD8279C-5 (NEC)
N-MOS PROGRAMMABLE KEYBOARD/DISPLAY CONTROLLER
— TOP VIEW —

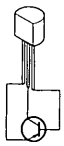


PIN NAMES

CK	; CLOCK
RESET	; RESET
$\overline{CS}$	; CHIP SELECT
$\overline{READ}$	; READ
$\overline{WRITE}$	; WRITE
BA	; BUFFER ADDRESS
IRQ	; INTERRUPT REQUEST
SL0-SL3	; SCAN LINES
RL0-RL7	; RETURN LINES
SHIFT	; SHIFT
CNTL/STB	; CONTROL/STROBE
A0-A3	; DISPLAY(A) OUTPUT
$\overline{B0}$-B3	; DISPLAY(B) OUTPUT
$\overline{BD}$	; BLANK DISPLAY OUTPUT
DB0-DB7	; DATA BUS

INTERNAL BLOCK DIAGRAM





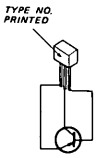
2SA1005
2SA1015
2SA733
2SA844



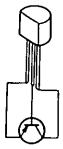
2SA1026



2SA1048
2SA1115



2SA1175
2SA1175F



2SA1206

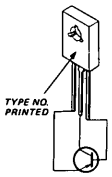
BOTTOM VIEW



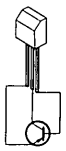
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2SA711



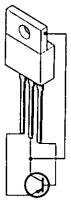
2SA772
2SA773
2SB739
2SB740



2SB649
2SB649A

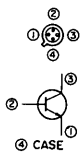


2SB733
2SB734

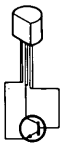


2SB856

BOTTOM VIEW



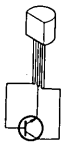
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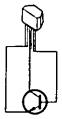
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2SC1364
2SC2878
2SC641K
2SC945



2SC1636
2SC403C
2SC634A



2SC2009
2SC2011

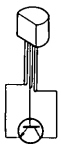


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2SC2603
2SC2669
2SC2724
2SC403SP

TYPE NO.
PRINTED



2SC2785
2SC2787

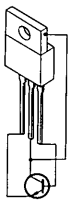


2SC2901

BOTTOM VIEW

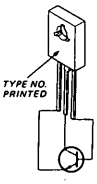


2SC689H

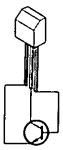


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2SD1134
2SD880

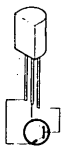
TYPE NO.
PRINTED



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2SD669A
2SD882

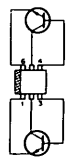


2SD773
2SD774



2SD788
2SD789

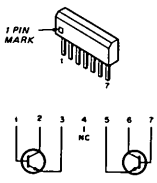
TOP VIEW



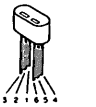
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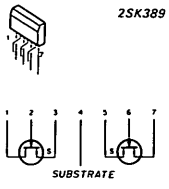
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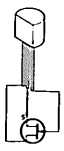
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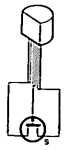
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2SK389

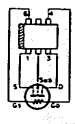


2N5457
2SK152
2SK43
2SK523

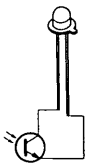


J175

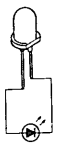
TOP VIEW



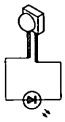
TX429M



TPS601-B



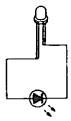
GL-5HD5 ; RED



LN35BP ; GREEN



SE301A ; INFRARED



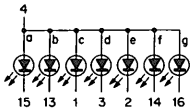
TLO124 ; ORANGE

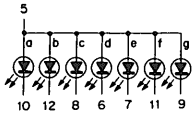
TOP VIEW

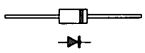


TLR-321 ; RED

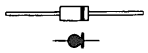




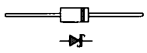




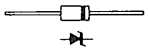
10E-2
1N4148H
1S1555
1S1587
1S2076
1S2473
1SS119
1SS133
1SS148
ERB12-02RK
GP08
QSCH-1754
SIB01-02
US1035



10YD ? ?



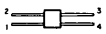
1S1925P
1SS97
ERB81-004



1SZ51
RD ? ?E

TOP VIEW

DM208



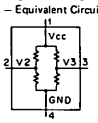
– Equivalent Circuit –

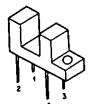




DM211

Magneto-Sensing Element
– Equivalent Circuit –





PS4005



SECTION 18
PRINTED WIRING BOARD AND SCHEMATIC DIAGRAM

PRINTED CIRCUIT BOARDS

The circuit information is provided below.

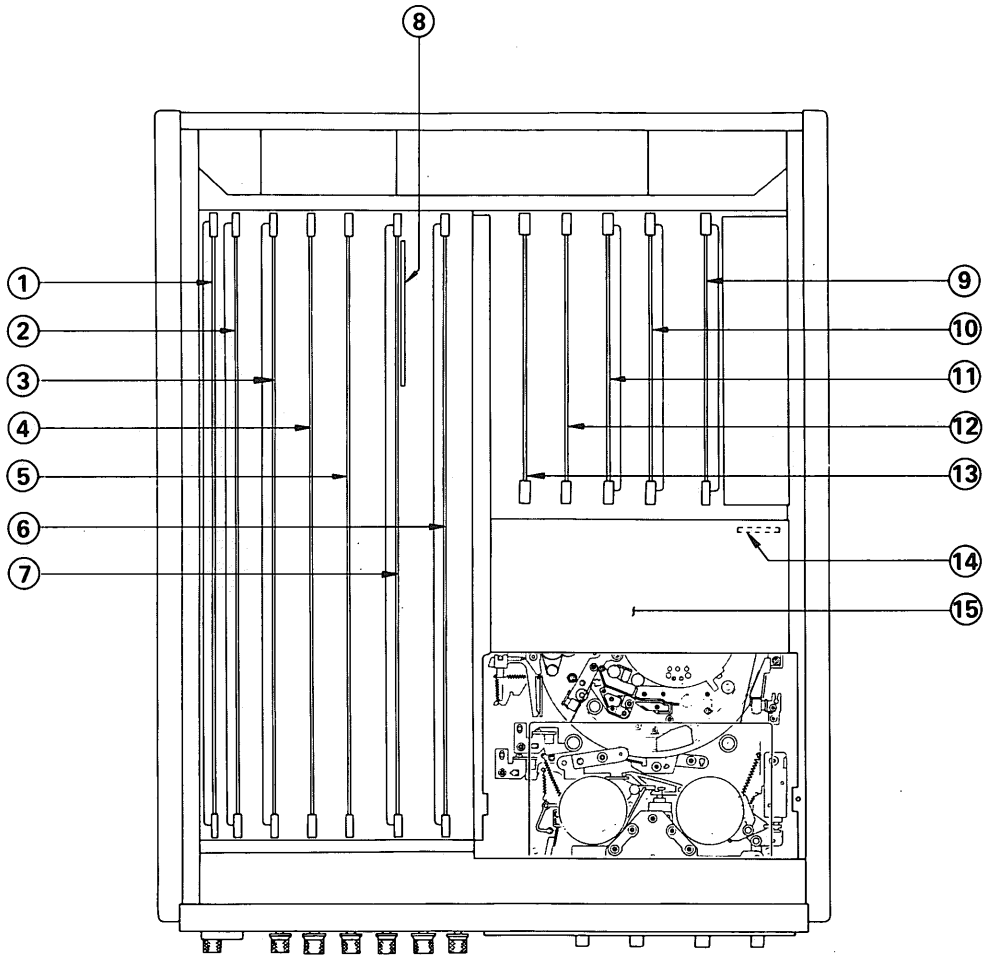
System	Board	Circuit function
Video	RP-15	REC/PB amplifier
	YC-14	Y/C modulator and demodulator
	SD-6	Reference sync generator
	BC-5	Blanking switcher
	CC-15	Chroma compressor
	CK-15	Clock generator
	DEC-7	YC separator
	DEC-8	Decoder
	EN-21	Encoder
	RE-10	Rotary erase
Audio	AU-45	Audio system
	AU-46	Audio system
	BC-6	Blanking switcher
	BF-7	Audio buffer
	DR-21	Bias erase osc
	HP-11	Headphones jack
	VR-10	Level control
Servo	SV-55	Servo system
	SV-60	Servo system
	RD-2	Reel driver
	DE-11	Reel FG
	DU-53	Reel FG amplifier
Time code	DR-21	Time code REC/PB
	TC-28	Time code generator and reader
TBC	MY-17	Video TBC
	PR-48	Video TBC
	CK-14	Video TBC
	CP-74	TBC control panel

System	Board	Circuit function
System control	SY-4	System control
	MS-12	Miss-recording switch (photo-transistor)
	KY-45	Key panel
	KY-47	Select switch
	PT-9	Power transistor
	DP-31	Time counter display
	PC-9	Search dial
	PC-14	Search dial
	PD-22	Pinch solenoid
	PH-16	Tape roll sensor (photo-transistor)
	LE-19	Tape roll sensor (LED)
	RM-24	Remote connector
	SS-8	Tape beginning sensor Tape end sensor
	TR-18	Tape tension sensor
	SW-6	Select switch
	SW-7	Select switch
	SW-8	Select switch
	SW-13	Select switch
	TE-2	Threading/Unthreading end detector
	DR-21	Driver
	LM-4	Threading motor
Power	AC-44	Line filter
Other	MB-49	Mother board
	MB-50	Mother board (for video and audio)
	MB-52	Mother board (for DR-21 and TC-28)
	MB-73	Mother board (for TBC)
	PC-17	Cassette-up compartment
	PC-18	Cassette-up compartment
	CL-7	Cassette-up compartment

System	Board	Circuit function
Other	CP-61	Input amplifier
	CP-62	Relay board for input video
	HE-5	Relay board
	EX-35	Extension board
	EX-36	Extension board
	EX-42	Extension board

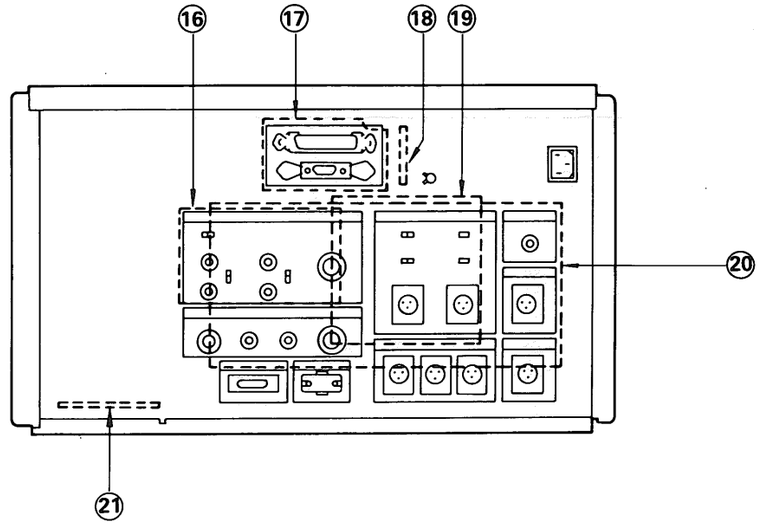
LOCATION OF THE PRINTED CIRCUIT BOARD

< TOP VIEW >

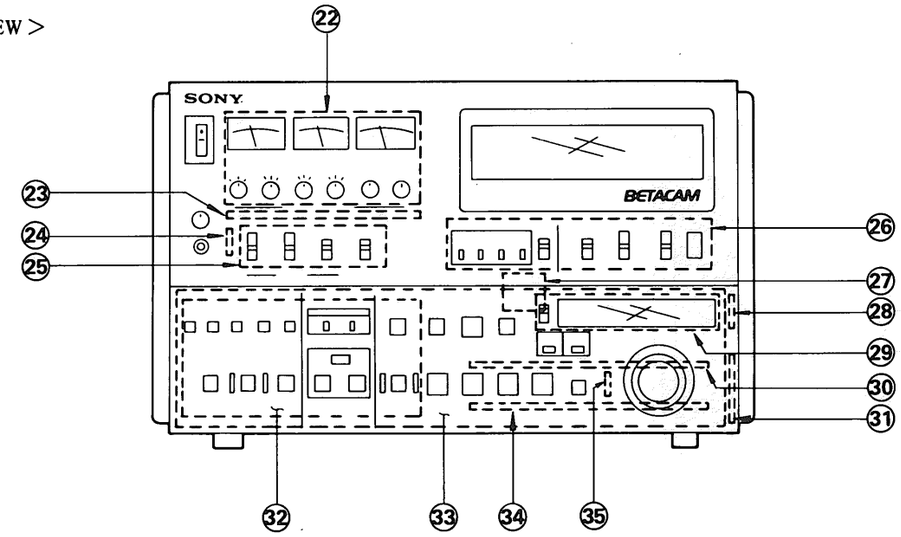


① CK-14 board
② MY-17 board
③ PR-48 board
④ EN-21 board
⑤ YC-14 board
⑥ SY-4 board
⑦ SV-55 board
⑧ SV-60 board
⑨ AU-46 board
⑩ AU-45 board
⑪ DEC-7 board
⑫ DEC-8 board
⑬ CC-15 board
⑭ RE-10 board
⑮ RP-15 board

< REAR VIEW >

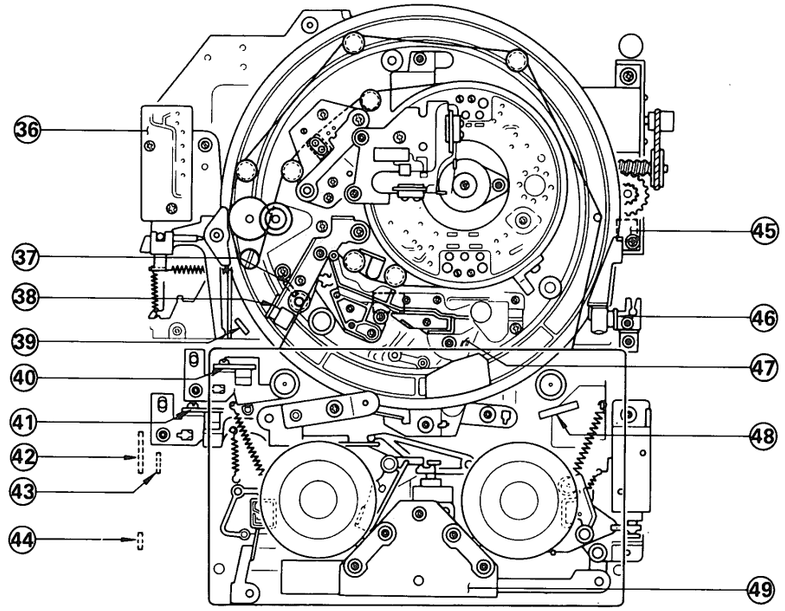


< FRONT VIEW >



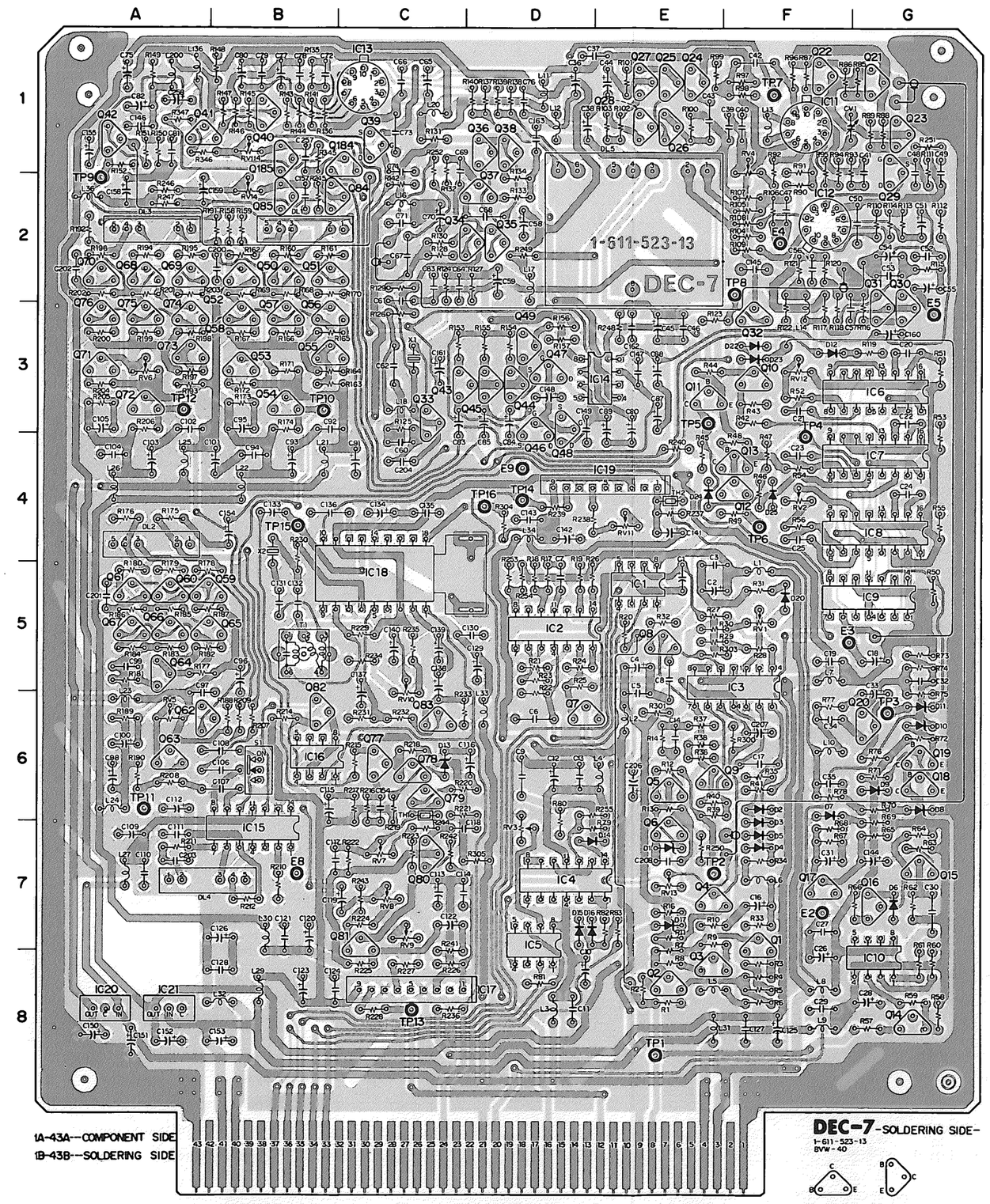
16 CP-62 board
17 RM-24 board
18 AC-44 board
19 SD-6 board
20 CP-61 board
21 BC-6 board
22 BF-7 board
23 VR-10 board
24 HP-11 board
25 SW-6 board
26 SW-7 board
27 DU-53 board
28 PC-9 board
29 DP-31 board
30 DR-21 board
31 BC-5 board
32 CP-74 board
33 KY-45 board
34 TC-28 board
35 PC-14 board

< TOP VIEW >



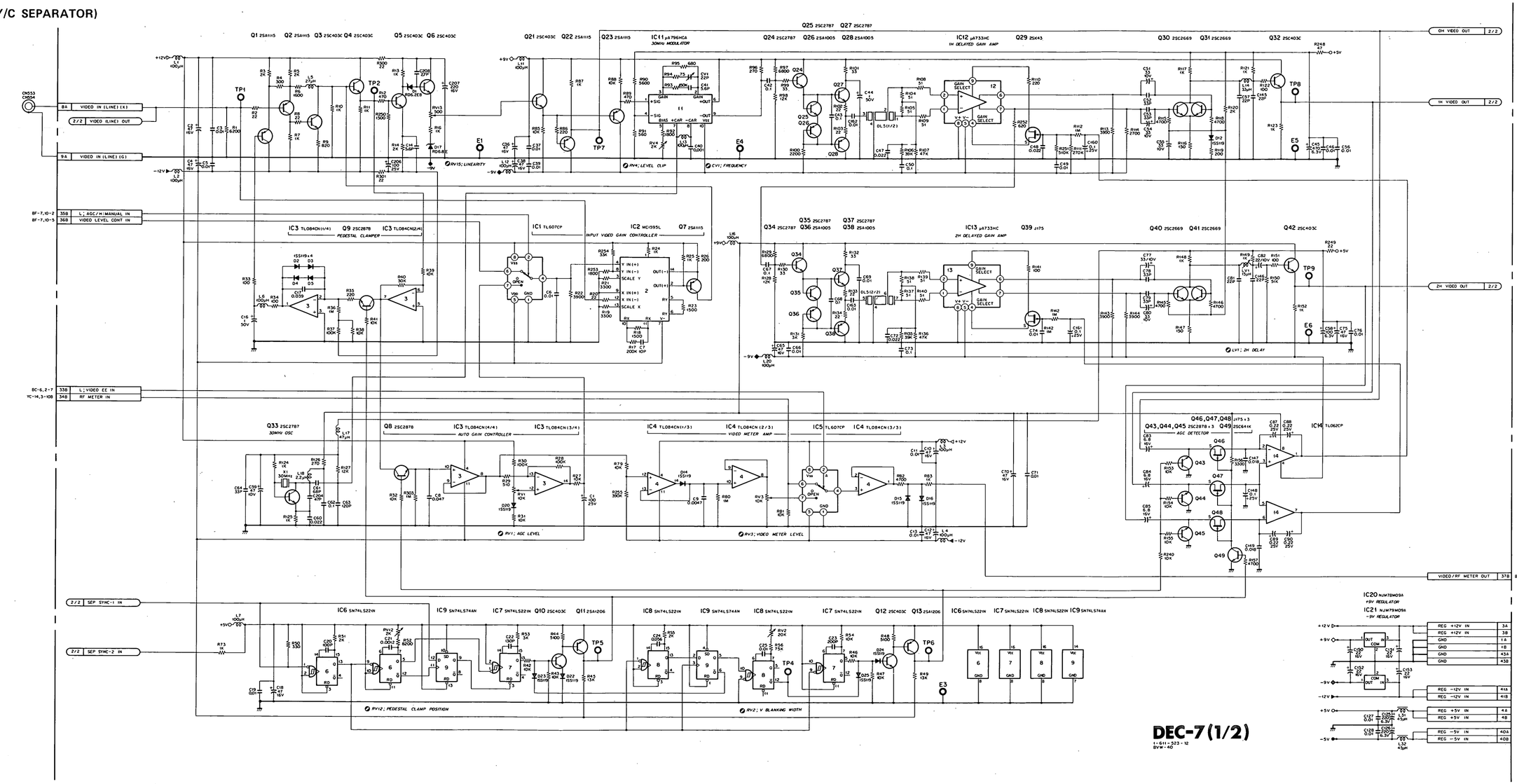
36 PD-22 board
37 PH-16 board
38 SS-8 board
39 LE-19 board
40 TE-2 board
41 TE-2 board
42 CL-7 board (cassette-up compartment)
43 PC-18 board (cassette-up compartment)
44 PC-17 board (cassette-up compartment)
45 LM-4 board
46 SS-8 board
47 TR-18 board
48 MS-12 board
49 DE-11 board

DEC-7 (Y/C SEPARATOR)



CV1	F - 1	Q38	D - 1
		Q39	C - 1
D1	E - 6	Q40	B - 1
D2	F - 6	Q41	A - 1
D3	F - 6	Q42	A - 1
D4	F - 7	Q43	C - 3
D5	F - 7	Q44	D - 3
D6	G - 7	Q45	D - 3
D7	F - 6	Q46	D - 3
D8	G - 6	Q47	D - 3
D9	G - 6	Q48	D - 3
D10	G - 6	Q49	D - 3
D11	G - 6	Q50	B - 2
D12	F - 3	Q51	B - 2
D13	C - 6	Q52	B - 2
D14	D - 7	Q53	B - 3
D15	D - 7	Q54	B - 3
D16	D - 7	Q55	B - 3
D17	E - 7	Q56	B - 3
D20	F - 5	Q57	B - 3
D23	F - 3	Q58	B - 3
D25	F - 3	Q59	A - 5
		Q60	A - 5
DL1	B - 2	Q61	A - 5
DL2	A - 4	Q62	A - 6
DL3	A - 2	Q63	A - 6
DL4	A - 7	Q64	A - 5
DL5	E - 2	Q65	A - 5
		Q66	A - 5
E2	F - 7	Q67	A - 5
E3	G - 5	Q68	A - 2
E4	F - 2	Q69	A - 2
E5	G - 3	Q70	A - 2
E8	B - 7	Q71	A - 3
E9	D - 4	Q72	A - 3
		Q73	A - 3
IC1	E - 5	Q74	A - 3
IC2	D - 5	Q75	A - 3
IC3	F - 5	Q76	A - 3
IC4	D - 7	Q77	C - 6
IC5	D - 7	Q78	C - 6
IC6	G - 3	Q79	C - 6
IC7	G - 4	Q80	C - 7
IC8	G - 4	Q81	C - 7
IC9	G - 5	Q82	B - 6
IC10	G - 8	Q83	C - 6
IC11	F - 1	Q84	B - 2
IC12	F - 2	Q85	B - 2
IC13	C - 1	Q184	C - 1
IC14	E - 3	Q185	B - 1
IC15	B - 7		
IC16	B - 6	RV1	F - 5
IC17	C - 8	RV2	F - 4
IC18	C - 5	RV3	D - 7
IC19	E - 4	RV4	F - 1
IC20	A - 8	RV5	A - 6
IC21	A - 8	RV6	A - 3
		RV7	C - 7
Q1	F - 7	RV8	C - 7
Q2	E - 8	RV9	C - 7
Q3	E - 8	RV10	C - 5
Q4	E - 7	RV11	E - 4
Q5	E - 6	RV12	F - 3
Q6	E - 7	RV13	E - 7
Q7	D - 6	RV14	B - 2
Q8	E - 5		
Q9	E - 6	S1	B - 6
Q10	F - 3		
Q11	E - 3	T1	B - 5
Q12	F - 4		
Q13	F - 4	TH1	C - 6
Q14	G - 8	TH2	E - 4
Q15	G - 7		
Q16	G - 7	TP1	E - 8
Q17	F - 7	TP2	E - 7
Q18	G - 6	TP3	G - 6
Q19	G - 6	TP4	F - 3
Q20	G - 6	TP5	E - 3
Q21	G - 1	TP6	F - 4
Q22	F - 1	TP7	F - 1
Q23	G - 1	TP8	F - 2
Q24	E - 1	TP9	A - 2
Q25	E - 1	TP10	B - 3
Q26	E - 1	TP11	A - 6
Q27	E - 1	TP12	A - 3
Q28	E - 1	TP13	C - 8
Q29	G - 1	TP14	D - 4
Q30	G - 2	TP15	B - 4
Q31	G - 2	TP16	D - 4
Q32	F - 3		
Q33	C - 3	X1	C - 3
Q34	D - 2	X2	B - 4
Q35	D - 2		
Q36	D - 1		
Q37	D - 2		

DEC-7 (1/2) (Y/C SEPARATOR)

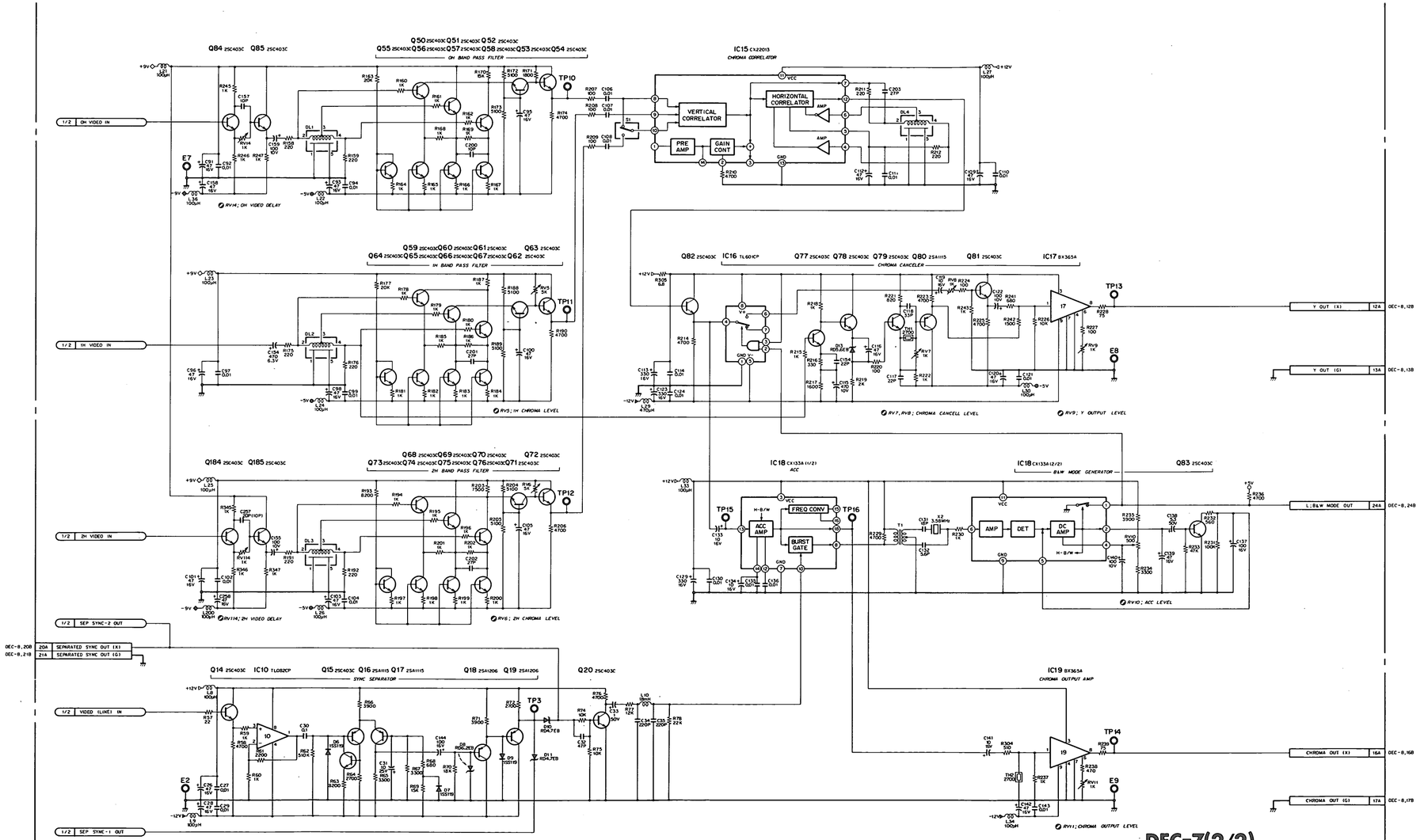


DEC-7 (1/2)

1-611-523-12
8YW-40

DEC-7 (2/2) DEC-7 (2/2)

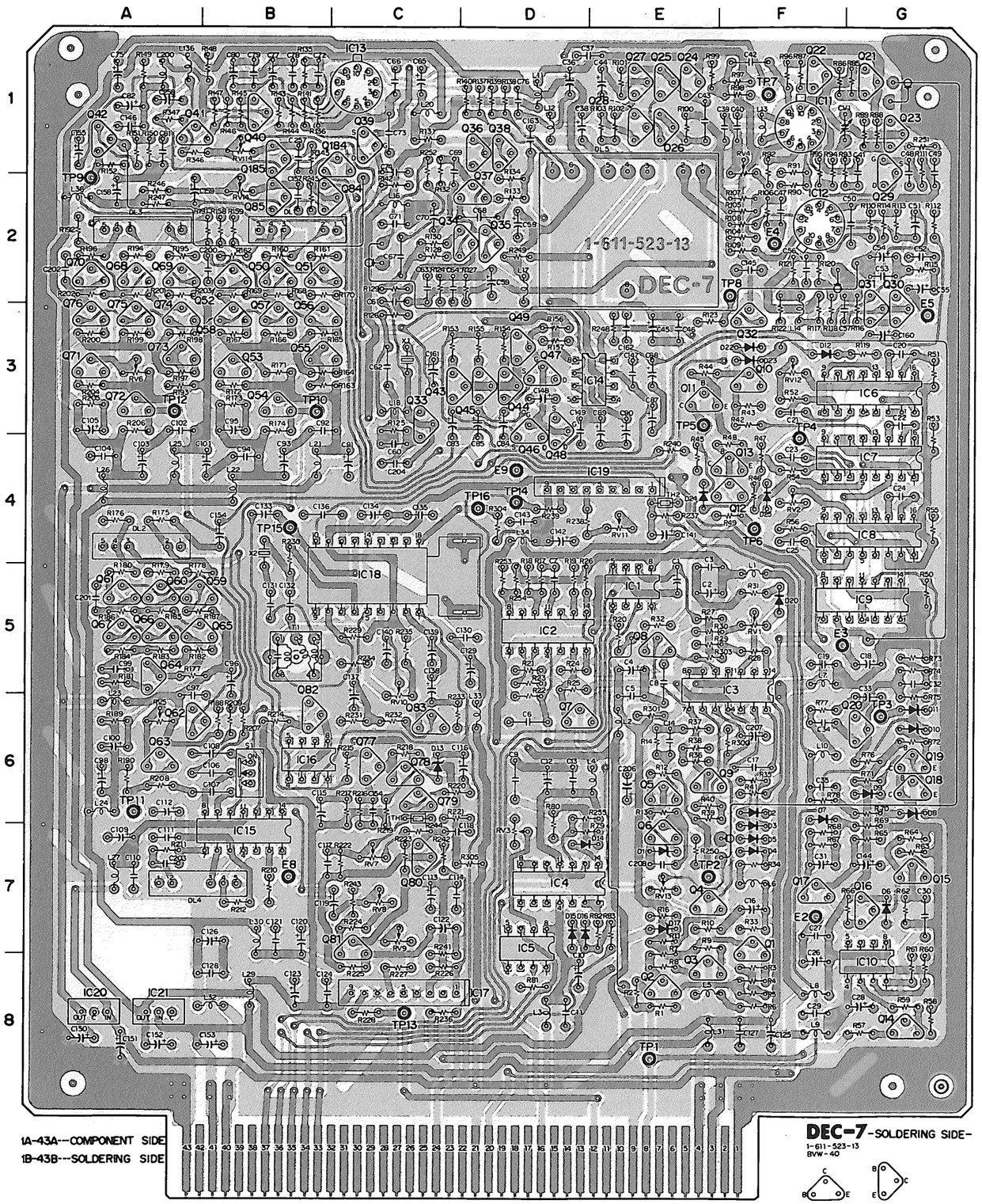
DEC-7 (2/2) (Y/C SEPARATOR)



DEC-7(2/2)

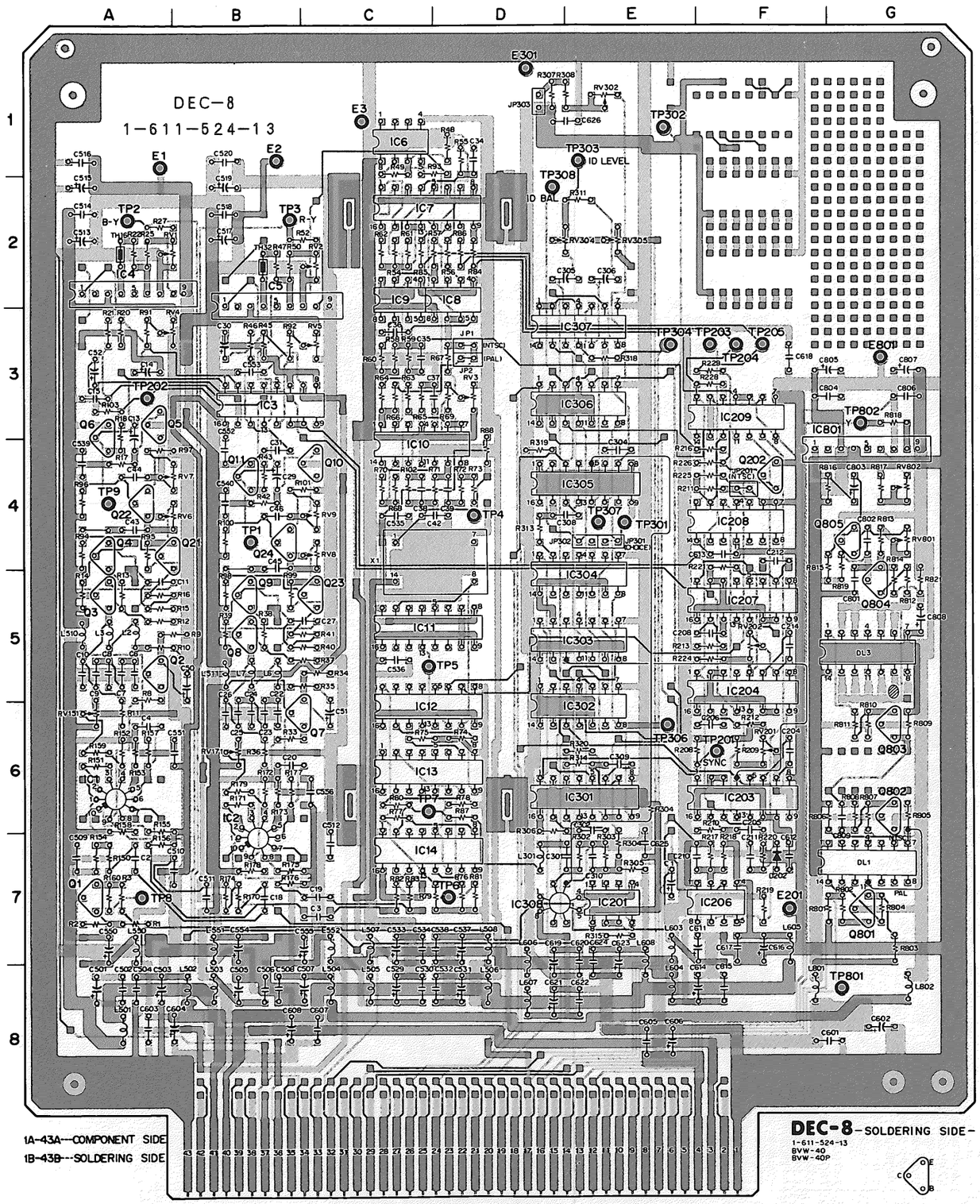
1-611-523-12
SVM-40

DEC-7 (Y/C SEPARATOR)



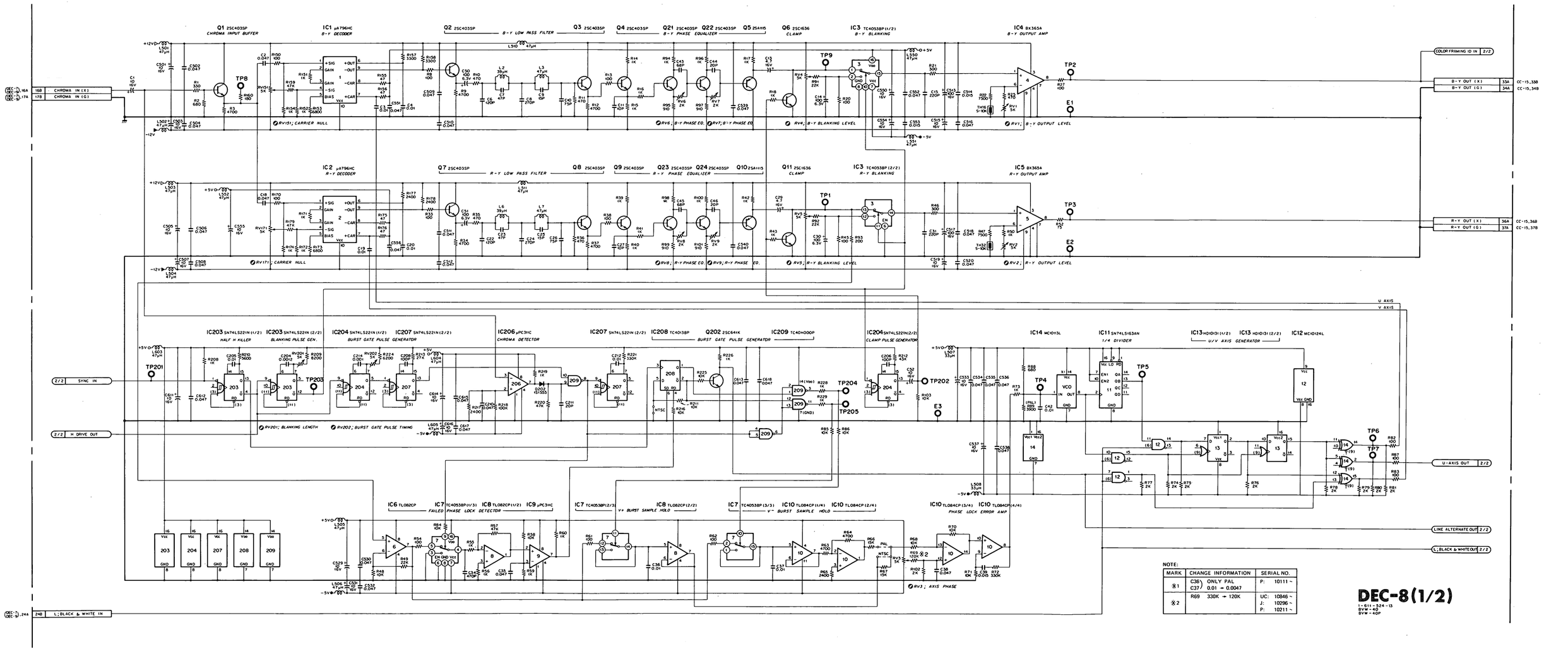
CV1	F - 1	Q38	D - 1
		Q39	C - 1
D1	E - 6	Q40	B - 1
D2	F - 6	Q41	A - 1
D3	F - 6	Q42	A - 1
D4	F - 7	Q43	C - 3
D5	F - 7	Q44	D - 3
D6	G - 7	Q45	D - 3
D7	F - 6	Q46	D - 3
D8	G - 6	Q47	D - 3
D9	G - 6	Q48	D - 3
D10	G - 6	Q49	D - 3
D11	G - 6	Q50	B - 2
D12	F - 3	Q51	B - 2
D13	C - 6	Q52	B - 2
D14	D - 7	Q53	B - 3
D15	D - 7	Q54	B - 3
D16	D - 7	Q55	B - 3
D17	E - 7	Q56	B - 3
D20	F - 5	Q57	B - 3
D23	F - 3	Q58	B - 3
D25	F - 3	Q59	A - 5
		Q60	A - 5
DL1	B - 2	Q61	A - 5
DL2	A - 4	Q62	A - 6
DL3	A - 2	Q63	A - 6
DL4	A - 7	Q64	A - 5
DL5	E - 2	Q65	A - 5
		Q66	A - 5
E2	F - 7	Q67	A - 5
E3	G - 5	Q68	A - 2
E4	F - 2	Q69	A - 2
E5	G - 3	Q70	A - 2
E8	B - 7	Q71	A - 3
E9	D - 4	Q72	A - 3
		Q73	A - 3
IC1	E - 5	Q74	A - 3
IC2	D - 5	Q75	A - 3
IC3	F - 5	Q76	A - 3
IC4	D - 7	Q77	C - 6
IC5	D - 7	Q78	C - 6
IC6	G - 3	Q79	C - 6
IC7	G - 4	Q80	C - 7
IC8	G - 4	Q81	C - 7
IC9	G - 5	Q82	B - 6
IC10	G - 8	Q83	C - 6
IC11	F - 1	Q84	B - 2
IC12	F - 2	Q85	B - 2
IC13	C - 1	Q184	C - 1
IC14	E - 3	Q185	B - 1
IC15	B - 7		
IC16	B - 6	RV1	F - 5
IC17	C - 8	RV2	F - 4
IC18	C - 5	RV3	D - 7
IC19	E - 4	RV4	F - 1
IC20	A - 8	RV5	A - 6
IC21	A - 8	RV6	A - 3
		RV7	C - 7
Q1	F - 7	RV8	C - 7
Q2	E - 8	RV9	C - 7
Q3	E - 8	RV10	C - 5
Q4	E - 7	RV11	E - 4
Q5	E - 6	RV12	F - 3
Q6	E - 7	RV13	E - 7
Q7	D - 6	RV14	B - 2
Q8	E - 5		
Q9	E - 6	S1	B - 6
Q10	F - 3		
Q11	E - 3	T1	B - 5
Q12	F - 4		
Q13	F - 4	TH1	C - 6
Q14	G - 8	TH2	E - 4
Q15	G - 7		
Q16	G - 7	TP1	E - 8
Q17	F - 7	TP2	E - 7
Q18	G - 6	TP3	G - 6
Q19	G - 6	TP4	F - 3
Q20	G - 6	TP5	E - 3
Q21	G - 1	TP6	F - 4
Q22	F - 1	TP7	F - 1
Q23	G - 1	TP8	F - 2
Q24	E - 1	TP9	A - 2
Q25	E - 1	TP10	B - 3
Q26	E - 1	TP11	A - 6
Q27	E - 1	TP12	A - 3
Q28	E - 1	TP13	C - 8
Q29	G - 1	TP14	D - 4
Q30	G - 2	TP15	B - 4
Q31	G - 2	TP16	D - 4
Q32	F - 3		
Q33	C - 3	X1	C - 3
Q34	D - 2	X2	B - 4
Q35	D - 2		
Q36	D - 1		
Q37	D - 2		

DEC-8 (VIDEO DECODER)



D202	F - 7		TH16	A - 2	
			TH32	B - 2	
DL1	G - 7				
DL3	G - 5		TP1	B - 4	
			TP2	A - 2	
E1	A - 1		TP3	B - 2	
E2	B - 1		TP4	D - 4	
E3	C - 1		TP5	C - 5	
E201	F - 7		TP6	D - 7	
E301	D - 1		TP7	C - 6	
E801	G - 3		TP8	A - 7	
			TP9	A - 4	
IC1	A - 6		TP201	F - 6	
IC2	B - 7		TP202	A - 3	
IC3	B - 3		TP203	F - 3	
IC4	A - 2		TP204	F - 3	
IC5	B - 2		TP205	F - 3	
IC6	C - 1		TP301	E - 4	
IC7	C - 2		TP302	E - 1	
IC8	D - 2		TP303	E - 1	
IC9	C - 2		TP304	E - 3	
IC10	C - 4		TP306	E - 6	
IC11	C - 5		TP307	E - 4	
IC12	C - 6		TP308	D - 2	
IC13	C - 6		TP801	G - 8	
IC14	C - 7		TP802	G - 3	
IC201	E - 7				
IC203	F - 6		X1	D - 4	
IC204	F - 5				
IC206	F - 7				
IC207	F - 5				
IC208	F - 4				
IC209	F - 3				
IC301	E - 6				
IC302	E - 6				
IC303	E - 5				
IC304	E - 5				
IC305	E - 4				
IC306	E - 3				
IC307	E - 3				
IC308	D - 7				
IC801	G - 4				
Q1	A - 7				
Q2	A - 5				
Q3	A - 5				
Q4	A - 4				
Q5	A - 3				
Q6	A - 3				
Q7	C - 6				
Q8	B - 5				
Q9	B - 5				
Q10	C - 4				
Q11	B - 4				
Q21	B - 4				
Q22	A - 4				
Q23	C - 5				
Q24	B - 4				
Q202	F - 4				
Q801	G - 7				
Q802	G - 6				
Q803	G - 6				
Q804	G - 5				
Q805	G - 4				
RV1	B - 2				
RV2	C - 2				
RV3	D - 3				
RV4	B - 3				
RV5	C - 3				
RV6	B - 4				
RV7	B - 4				
RV8	C - 4				
RV9	C - 4				
RV151	A - 6				
RV171	B - 6				
RV201	F - 6				
RV202	F - 5				
RV302	E - 1				
RV304	E - 2				
RV305	E - 2				
RV801	G - 4				
RV802	G - 4				

DEC-8 (1/2) (VIDEO DECODER)



NOTE:

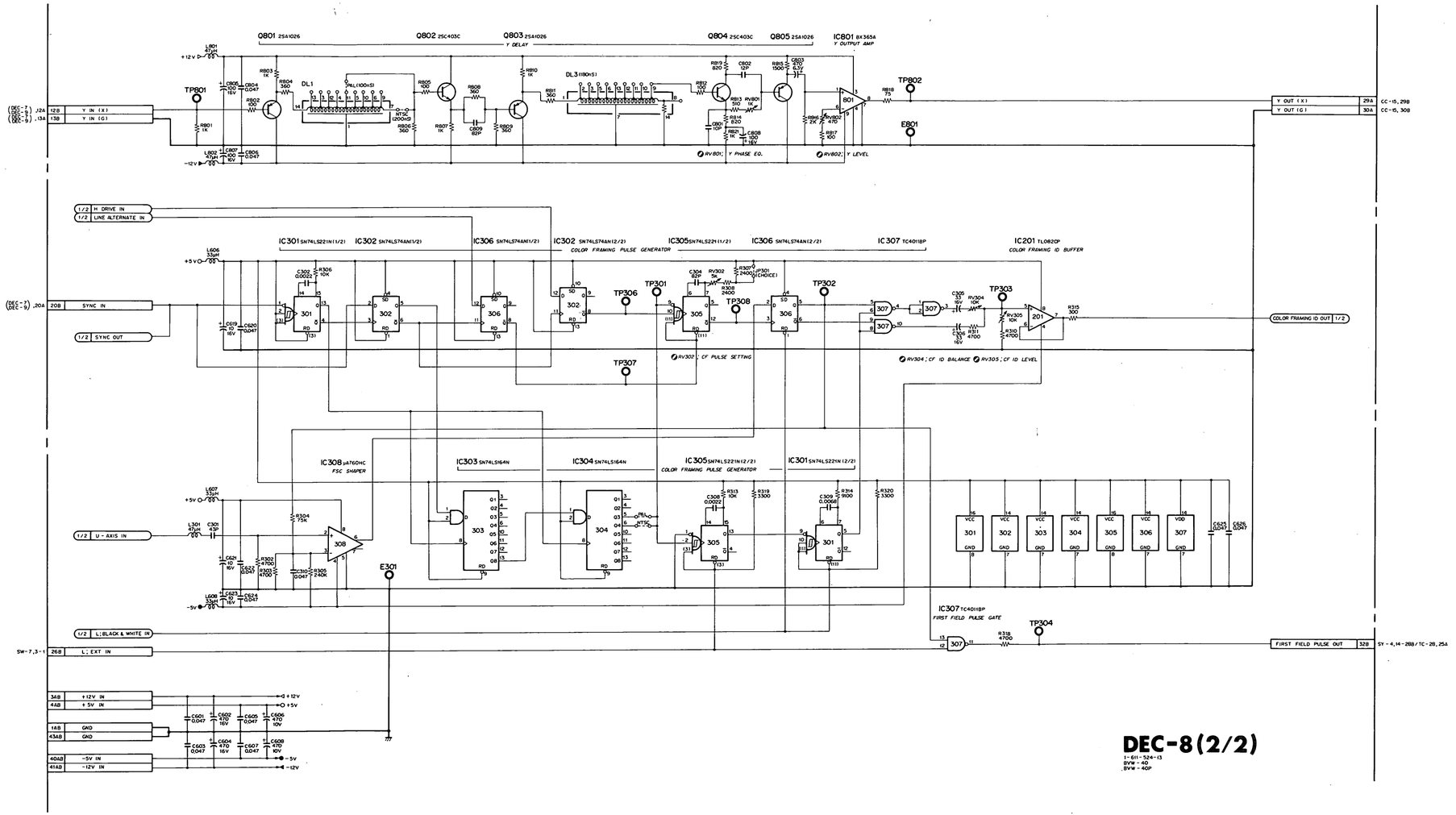
MARK	CHANGE INFORMATION	SERIAL NO.
※1	C36, C37 ONLY PAL 0.01 → 0.0047	P: 10111~
※2	R69 330K → 120K	UC: 10846~ J: 10296~ P: 10211~

DEC-8(1/2)

1-611-524-13
BVW-40P
BVW-40PF

DEC-8 (2/2) DEC-8 (2/2)

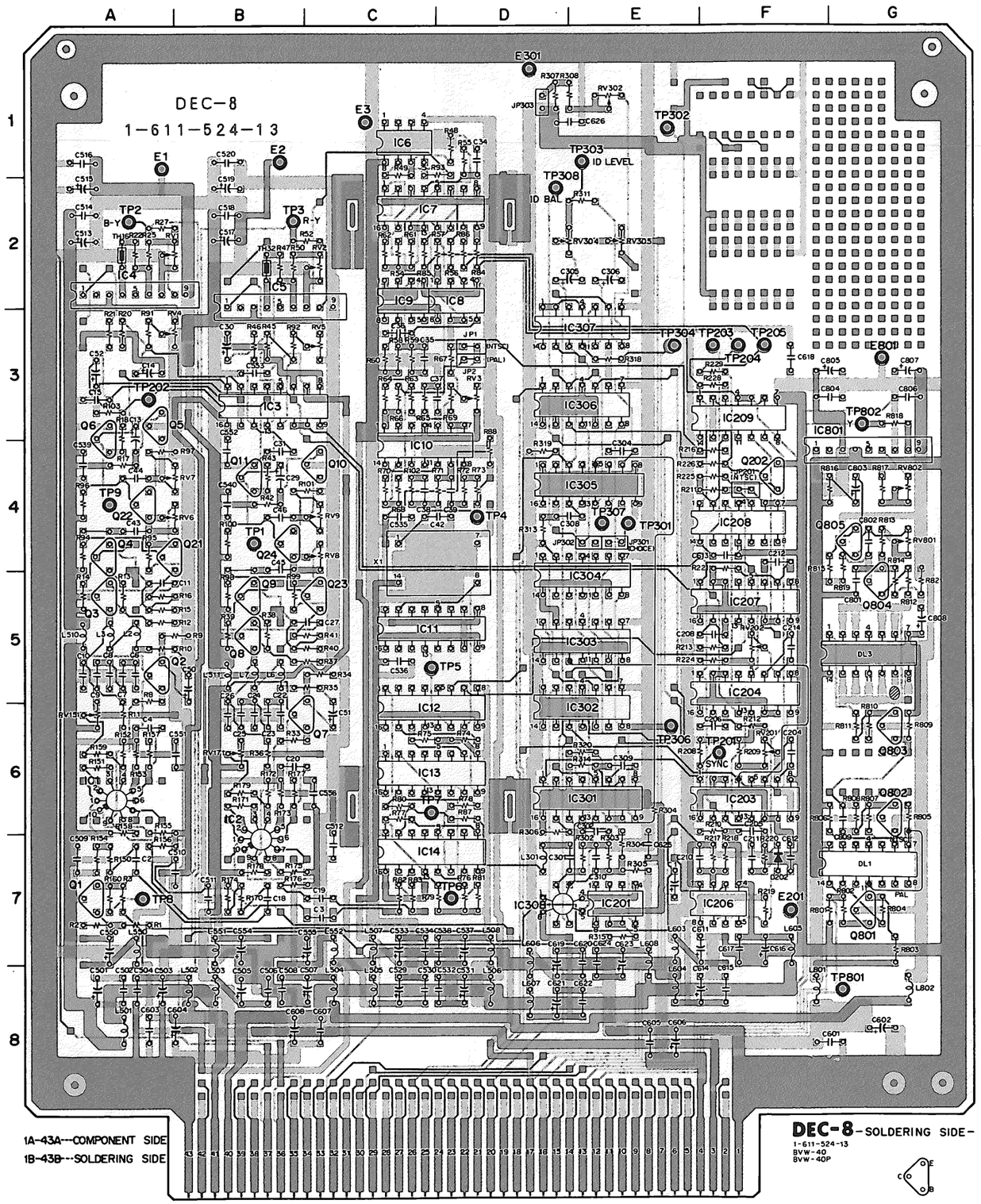
DEC-8 (2/2) (VIDEO DECODER)



DEC-8(2/2)

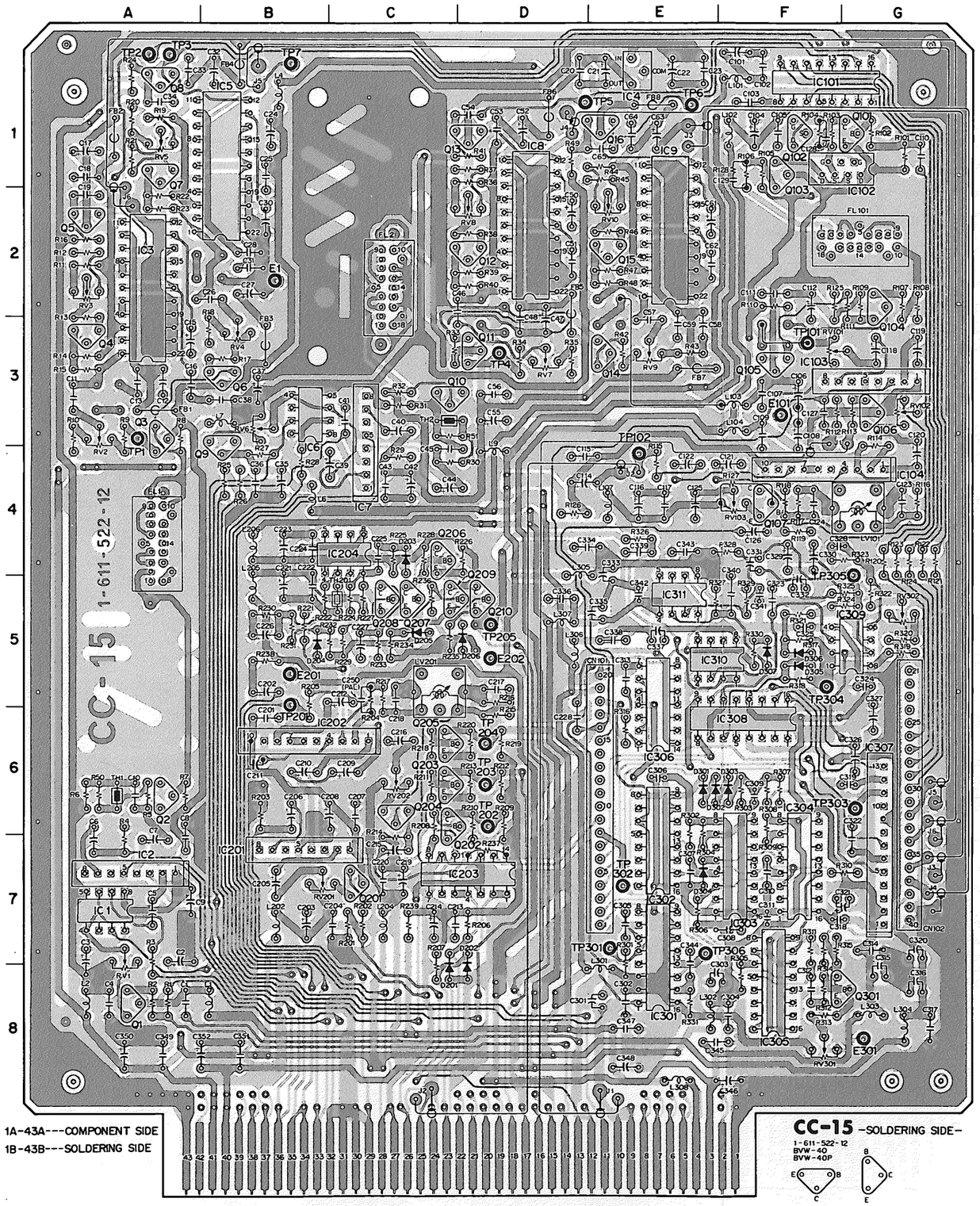
1-611-524-13
BVW-40
,BVW-40P

DEC-8 (VIDEO DECODER)



D202	F - 7	TH16	A - 2
		TH32	B - 2
DL1	G - 7		
DL3	G - 5	TP1	B - 4
		TP2	A - 2
E1	A - 1	TP3	B - 2
E2	B - 1	TP4	D - 4
E3	C - 1	TP5	C - 5
E201	F - 7	TP6	D - 7
E301	D - 1	TP7	C - 6
E801	G - 3	TP8	A - 7
		TP9	A - 4
IC1	A - 6	TP201	F - 6
IC2	B - 7	TP202	A - 3
IC3	B - 3	TP203	F - 3
IC4	A - 2	TP204	F - 3
IC5	B - 2	TP205	F - 3
IC6	C - 1	TP301	E - 4
IC7	C - 2	TP302	E - 1
IC8	D - 2	TP303	E - 1
IC9	C - 2	TP304	E - 3
IC10	C - 4	TP306	E - 6
IC11	C - 5	TP307	E - 4
IC12	C - 6	TP308	D - 2
IC13	C - 6	TP801	G - 8
IC14	C - 7	TP802	G - 3
IC201	E - 7		
IC203	F - 6	X1	D - 4
IC204	F - 5		
IC206	F - 7		
IC207	F - 5		
IC208	F - 4		
IC209	F - 3		
IC301	E - 6		
IC302	E - 6		
IC303	E - 5		
IC304	E - 5		
IC305	E - 4		
IC306	E - 3		
IC307	E - 3		
IC308	D - 7		
IC801	G - 4		
Q1	A - 7		
Q2	A - 5		
Q3	A - 5		
Q4	A - 4		
Q5	A - 3		
Q6	A - 3		
Q7	C - 6		
Q8	B - 5		
Q9	B - 5		
Q10	C - 4		
Q11	B - 4		
Q21	B - 4		
Q22	A - 4		
Q23	C - 5		
Q24	B - 4		
Q202	F - 4		
Q801	G - 7		
Q802	G - 6		
Q803	G - 6		
Q804	G - 5		
Q805	G - 4		
RV1	B - 2		
RV2	C - 2		
RV3	D - 3		
RV4	B - 3		
RV5	C - 3		
RV6	B - 4		
RV7	B - 4		
RV8	C - 4		
RV9	C - 4		
RV151	A - 6		
RV171	B - 6		
RV201	F - 6		
RV202	F - 5		
RV302	E - 1		
RV304	E - 2		
RV305	E - 2		
RV801	G - 4		
RV802	G - 4		

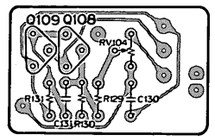
CC-15 (CHROMA TIME DIVISION MULTIPLEXER)
DUS-41



CN101	E - 6		RV1	A - 8	
CN102	G - 7		RV2	A - 3	
			RV3	A - 2	
D201	C - 8		RV4	B - 3	
D202	D - 8		RV5	A - 1	
D203	C - 4		RV6	B - 3	
D204	B - 5		RV7	D - 3	
D205	C - 5		RV8	D - 2	
D206	D - 5		RV9	E - 3	
D301	E - 6		RV10	E - 2	
D302	E - 6		RV101	F - 3	
D303	F - 6		RV102	G - 3	
D304	E - 7		RV103	F - 4	
D305	F - 5		RV201	B - 7	
D306	F - 5		RV202	C - 6	
D307	F - 5		RV301	F - 8	
			RV302	G - 5	
E1	B - 2				
E101	F - 3		TH1	A - 6	
E201	B - 5		TH2	C - 3	
E202	D - 5		TH201	C - 5	
E301	G - 8				
			TP1	A - 3	
FL1	A - 4		TP2	A - 1	
FL2	C - 2		TP3	A - 1	
FL101	G - 2		TP1	D - 3	
			TP5	D - 1	
IC1	A - 7		TP6	E - 1	
IC2	A - 7		TP7	B - 1	
IC3	A - 2		TP101	F - 3	
IC4	E - 1		TP102	E - 4	
IC5	B - 1		TP201	B - 5	
IC6	B - 3		TP202	D - 6	
IC7	C - 1		TP203	D - 6	
IC8	D - 2		TP204	D - 6	
IC9	E - 2		TP205	D - 5	
IC101	F - 1		TP301	E - 7	
IC102	G - 1		TP302	E - 7	
IC103	G - 3		TP303	G - 6	
IC104	G - 4		TP304	F - 5	
IC201	B - 7		TP305	G - 5	
IC202	B - 6		TP306	E - 7	
IC203	D - 7				
IC204	C - 1				
IC301	E - 8				
IC302	E - 7				
IC303	F - 7				
IC304	F - 7				
IC305	F - 8				
IC306	E - 6				
IC307	G - 6				
IC308	F - 6				
IC309	G - 5				
IC310	E - 5				
IC311	E - 5				
LV101	G - 1				
LV201	C - 5				
Q1	A - 8				
Q2	A - 6				
Q3	A - 3				
Q4	A - 3				
Q5	A - 2				
Q6	B - 3				
Q7	A - 1				
Q8	A - 1				
Q9	B - 4				
Q10	C - 3				
Q11	D - 3				
Q12	D - 2				
Q13	D - 1				
Q14	E - 3				
Q15	E - 2				
Q16	E - 1				
Q101	G - 1				
Q102	F - 1				
Q103	F - 1				
Q104	G - 2				
Q105	F - 3				
Q106	G - 3				
Q107	F - 4				
Q201	C - 7				
Q202	C - 6				
Q203	C - 6				
Q204	C - 6				
Q205	C - 6				
Q206	C - 4				
Q207	C - 5				
Q208	C - 5				
Q209	C - 5				
Q210	D - 5				
Q301	G - 8				

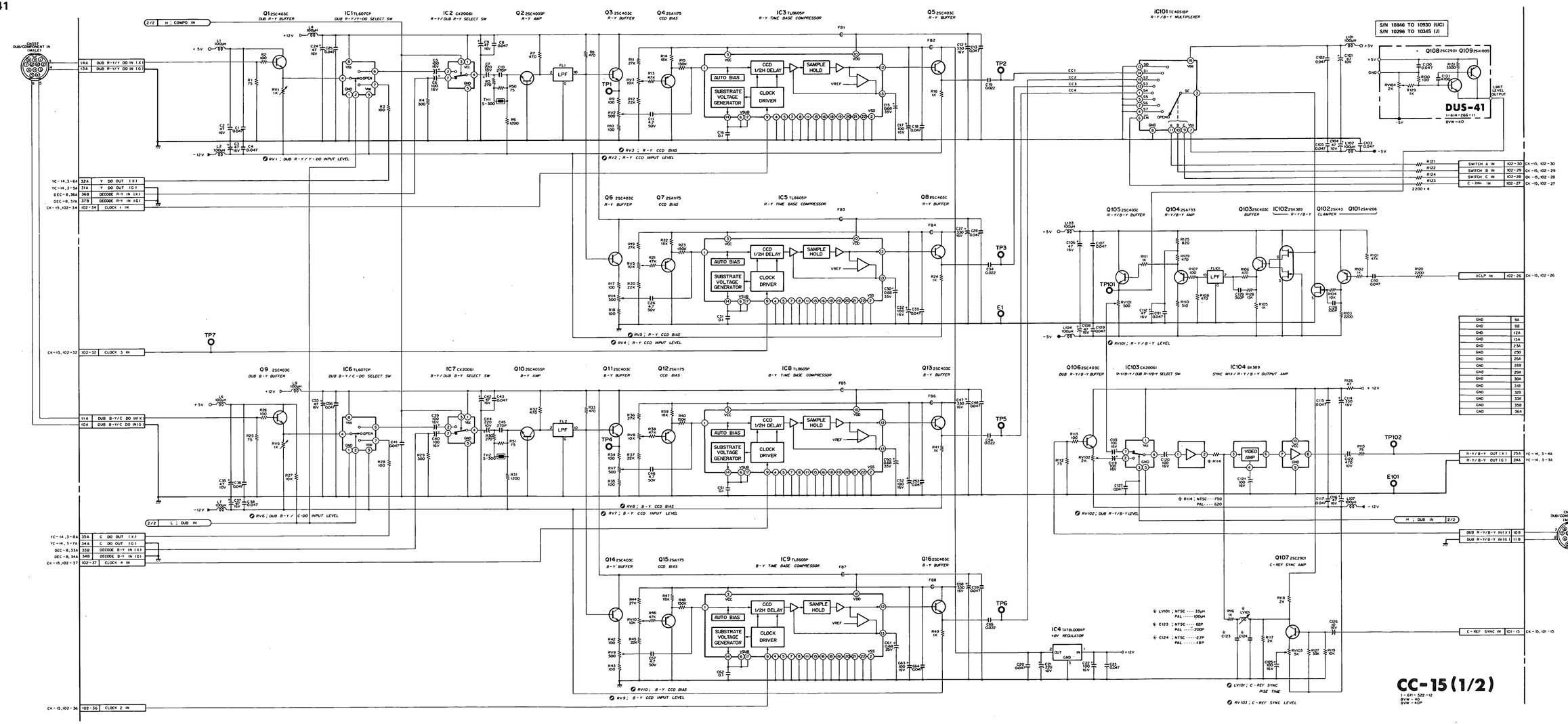
DUS-41 (CTDM CLIPPER)

S/N 10846 TO 10930 (UC)
S/N 10296 TO 10345 (J)



DUS-41
-SOLDERING SIDE-
1-614-266-11
BVW-40

CC-15 (1/2) (CHROMA TIME DIVISION MULTIPLEXER)
DUS-41

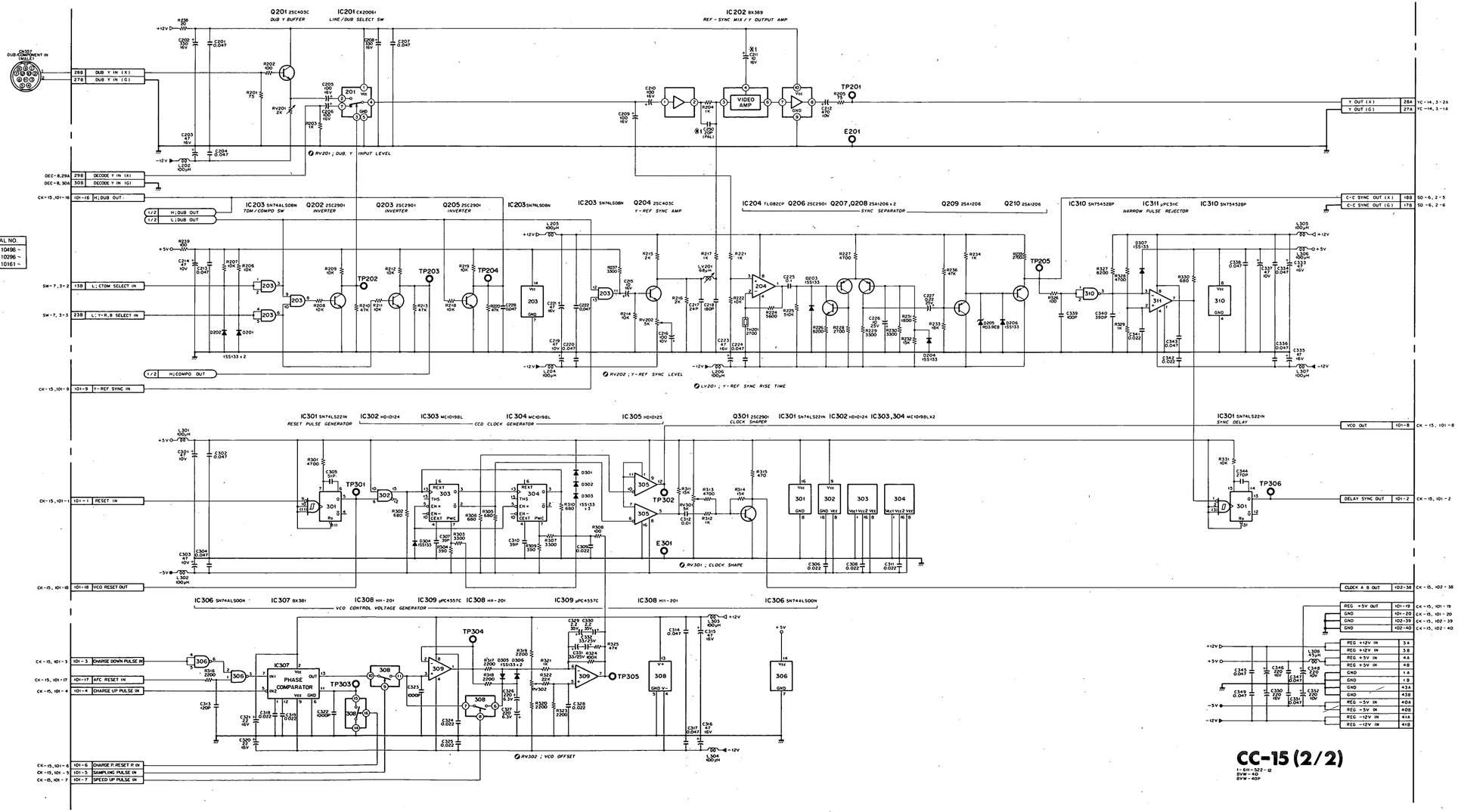


CC-15 (2/2) CC-15 (2/2)

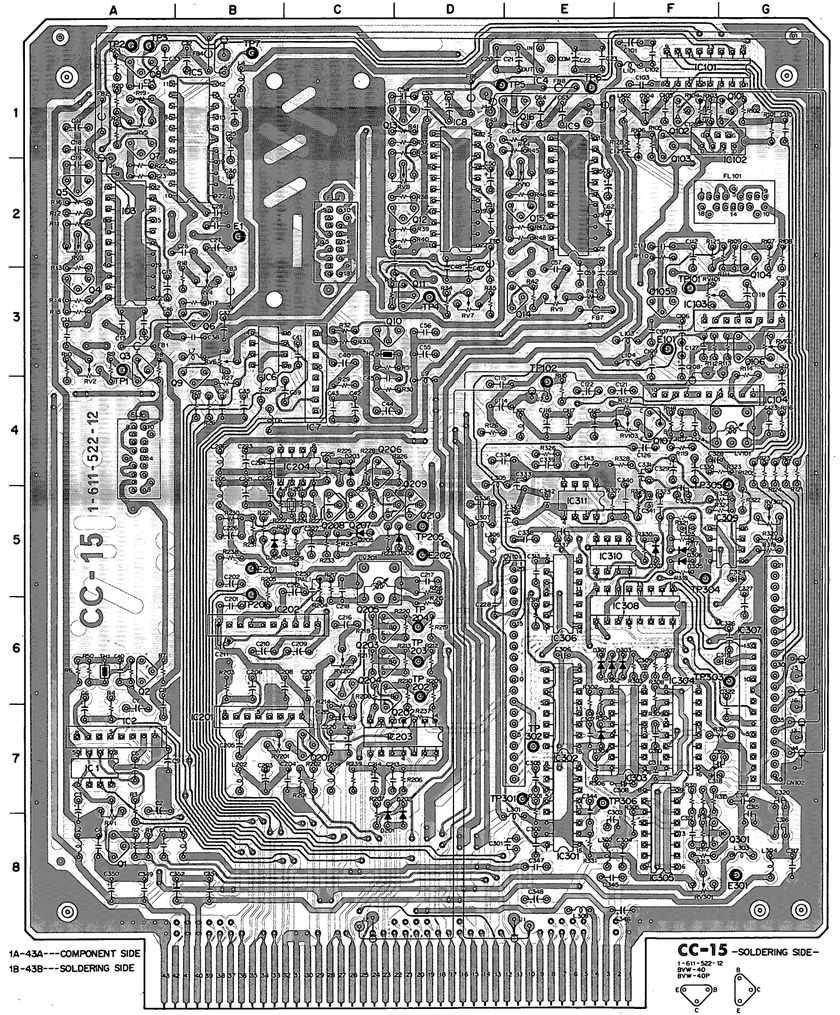
CC-15 (2/2) (CHROMA TIME DIVISION MULTIPLEXER)

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
	C211 100/16 → 10/16	UC: 10496 ~
※1	C250 20P ADDED	J: 10296 ~
		P: 10161 ~



CC-15 (CHROMA TIME DIVISION MULTIPLEXER)



CN101 E - 6
CN102 G - 7

D201 C - 8
D202 D - 8
D203 C - 4
D204 B - 5
D205 C - 5
D206 D - 5
D301 E - 6
D302 E - 6
D303 F - 6
D304 E - 7
D305 F - 5
D306 F - 5
D307 F - 5

E1 B - 2
E101 F - 3
E201 B - 5
E202 D - 5
E301 G - 8

FL1 A - 4
FL2 C - 2
FL101 G - 2

IC1 A - 7
IC2 A - 7
IC3 A - 2
IC4 E - 1
IC5 B - 1
IC6 B - 3
IC7 C - 1
IC8 D - 2
IC9 E - 2
IC101 F - 1
IC102 G - 1
IC103 G - 3
IC104 G - 4
IC201 B - 7
IC202 B - 6
IC203 D - 7
IC204 C - 1
IC301 E - 8
IC302 E - 7
IC303 F - 7
IC304 F - 7
IC305 F - 8
IC306 E - 6
IC307 G - 6
IC308 F - 6
IC309 G - 5
IC310 E - 5
IC311 E - 5

LV101 G - 1
LV201 C - 5

Q1 A - 8
Q2 A - 6
Q3 A - 3
Q4 A - 3
Q5 A - 2
Q6 B - 3
Q7 A - 1
Q8 A - 1
Q9 B - 1
Q10 C - 3
Q11 D - 3
Q12 D - 2
Q13 D - 1
Q14 E - 3
Q15 E - 2
Q16 E - 1
Q101 C - 1
Q102 F - 1
Q103 F - 1
Q104 G - 2
Q105 F - 3
Q106 G - 3
Q107 F - 1
Q201 C - 7
Q202 C - 6
Q203 C - 6
Q204 C - 6
Q205 C - 6
Q206 C - 4
Q207 C - 5
Q208 C - 5
Q209 C - 5
Q210 D - 5
Q301 G - 8

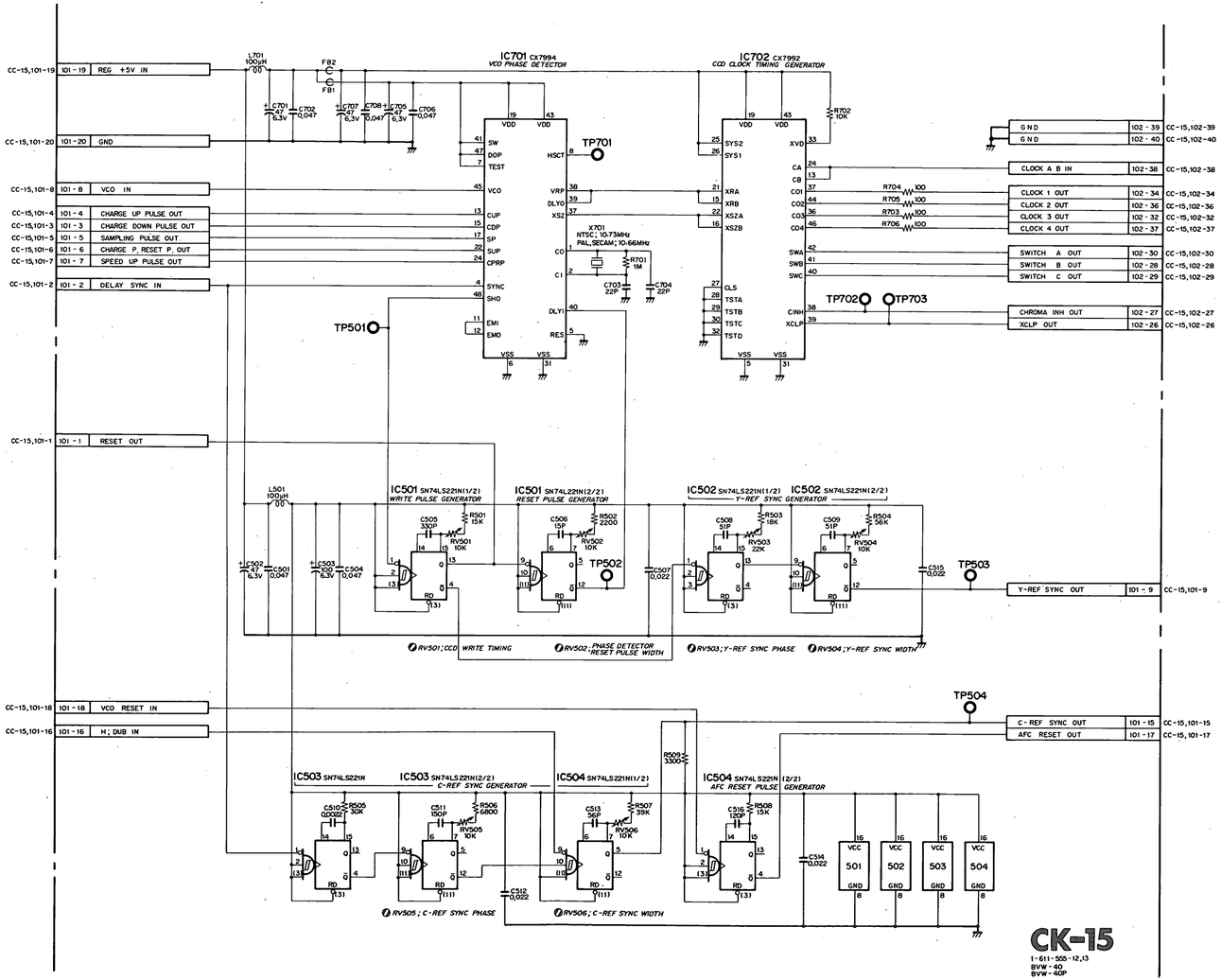
RV1 A - 8
RV2 A - 3
RV3 A - 2
RV4 B - 3
RV5 A - 1
RV6 B - 3
RV7 D - 3
RV8 D - 2
RV9 E - 3
RV10 E - 2
RV101 F - 3
RV102 G - 3
RV103 F - 4
RV201 B - 7
RV202 C - 6
RV301 F - 8
RV302 G - 5

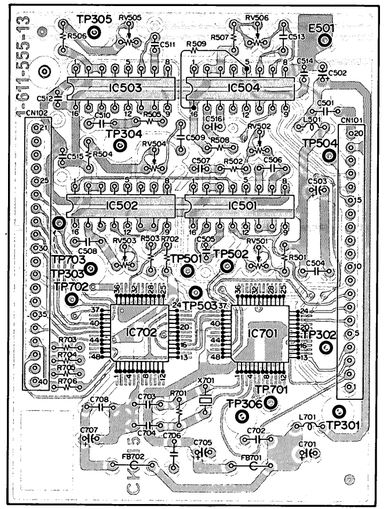
TH1 A - 6
TH2 C - 3
TH201 C - 5

TP1 A - 3
TP2 A - 1
TP3 A - 1
TP4 D - 3
TP5 D - 1
TP6 E - 1
TP7 B - 1
TP101 F - 3
TP102 E - 1
TP201 B - 5
TP202 D - 6
TP203 D - 6
TP204 D - 6
TP205 D - 5
TP301 E - 7
TP302 E - 7
TP303 G - 6
TP304 F - 5
TP305 G - 5
TP306 F - 7

CK-15 (CCD CLOCK TIMING GENERATOR)

UP TO S/N 10645 (UC)
UP TO S/N 10295 (J)

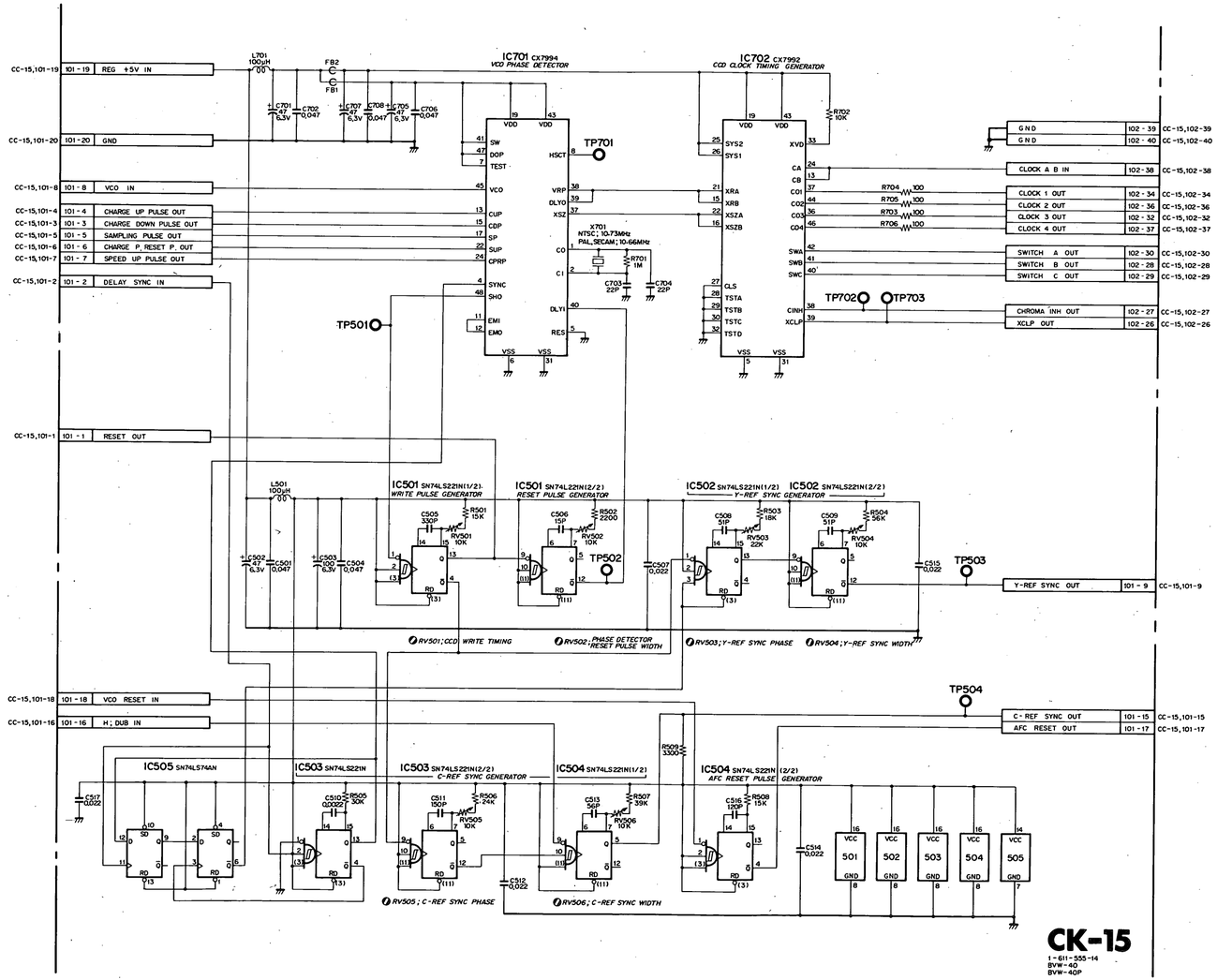




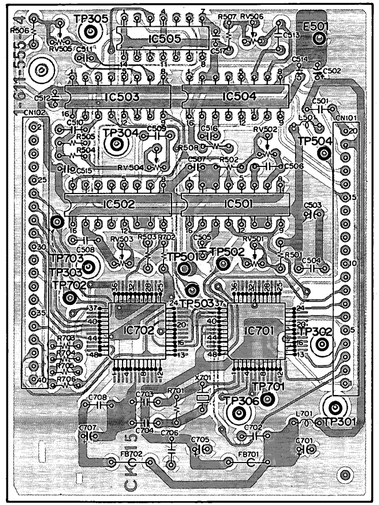
CK-15 -SOLDERING SIDE-
1-611-555-12,13
BVW-40
BVW-40P

CK-15 (CCD CLOCK TIMING GENERATOR)

S/N 10646 AND LATER (UC)
S/N 10296 AND LATER (J)



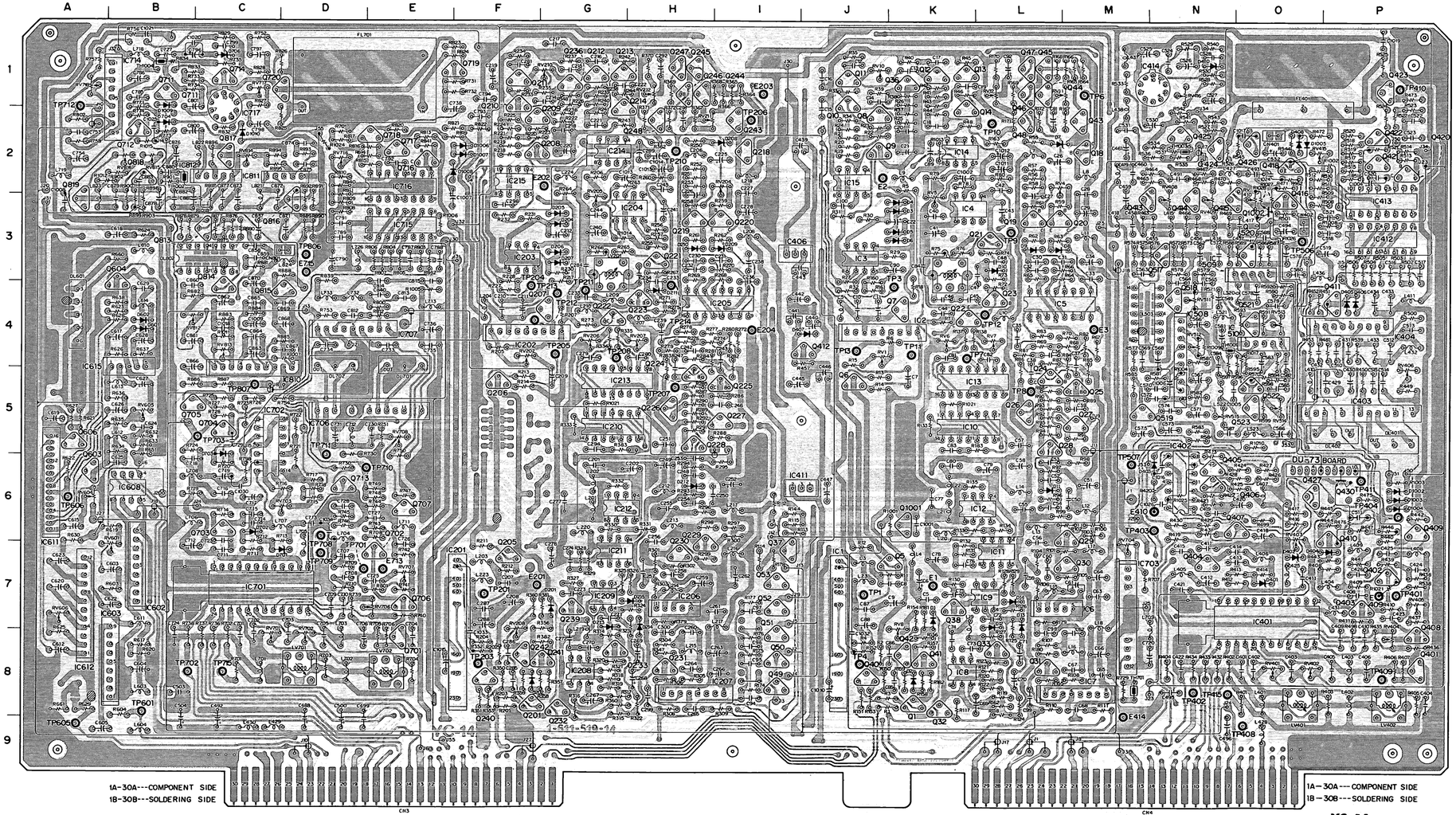
CK-15
1-611-555-14
BVW-40
BVW-40P



CK-15 -SOLDERING SIDE-
1-611-555-14
BVW-40
BVW-40P

YC-14 YC-14

YC-14 (Y/C MODULATOR AND DEMODULATOR)



CN3	E - 9	FL701	D - 1	Q19	L - 3	Q413	M - 3	RV514	O - 5		
CN4	M - 9	IC1	J - 7	Q20	M - 3	Q414	N - 3	RV515	N - 5		
CN401	O - 2	IC2	J - 4	Q21	L - 3	Q415	N - 3	RV601	B - 7		
CN402	O - 3	IC3	J - 3	Q22	K - 4	Q416	O - 3	RV604	A - 6		
CN801	D - 3	IC4	K - 3	Q23	L - 4	Q418	O - 2	RV605	B - 5		
		IC5	M - 4	Q24	L - 5	Q420	P - 2	RV606	A - 7		
D1	K - 7	IC6	M - 7	Q25	M - 5	Q421	P - 2	RV701	C - 8		
D2	K - 8	IC7	M - 8	Q26	L - 5	Q422	P - 2	RV702	D - 8		
D3	K - 3	IC8	K - 8	Q27	M - 5	Q423	P - 1	RV703	C - 6		
D4	K - 3	IC9	L - 7	Q28	L - 5	Q424	N - 2	RV704	M - 7		
D5	K - 3	IC10	K - 5	Q29	M - 7	Q425	N - 2	RV706	E - 7		
D6	K - 3	IC11	L - 7	Q30	M - 7	Q426	O - 2	RV707	E - 7		
D7	L - 8	IC12	L - 6	Q31	L - 8	Q427	O - 2	RV708	E - 5		
D8	M - 3	IC13	K - 5	Q32	K - 8	Q430	P - 6	RV716	D - 2		
D9	L - 3	IC14	K - 2	Q33	K - 1	Q617	N - 3	RV717	C - 1		
D10	L - 3	IC15	J - 2	Q36	K - 2	Q618	N - 4	RV718	A - 1		
D11	L - 6	IC201	F - 7	Q38	K - 7	Q619	M - 5	RV812	B - 4		
D12	L - 8	IC202	F - 4	Q39	K - 7	Q620	O - 3	RV813	C - 4		
D13	L - 8	IC203	F - 3	Q40	J - 8	Q621	O - 4	RV814	C - 2		
D14	L - 7	IC204	H - 3	Q41	K - 8	Q622	O - 5	RV815	B - 2		
D201	G - 7	IC205	H - 4	Q42	K - 8	Q623	O - 5	RV816	B - 2		
D202	M - 8	IC206	H - 7	Q43	M - 2	Q903	A - 6				
D204	G - 3	IC207	H - 8	Q44	L - 1	Q604	B - 4	TH701	M - 8		
D205	G - 3	IC208	H - 8	Q45	L - 1	Q606	A - 5	TH1001	N - 4		
D206	G - 3	IC209	G - 7	Q46	L - 2	Q701	E - 8	TH1002	B - 2		
D207	G - 3	IC210	G - 7	Q47	L - 1	Q702	E - 2	TH1003	N - 2		
D208	I - 2	IC211	G - 7	Q48	L - 2	Q703	C - 5	TH1004	B - 1		
D209	I - 3	IC212	G - 6	Q49	I - 8	Q704	C - 5				
D210	H - 3	IC213	G - 5	Q50	I - 8	Q705	B - 5	TP1	J - 7		
D211	H - 4	IC214	G - 2	Q52	I - 7	Q706	E - 7	TP3	K - 4		
D212	H - 6	IC215	F - 2	Q53	I - 7	Q707	E - 6	TP4	J - 8		
D213	G - 8	IC401	O - 7	Q201	F - 8	Q711	B - 1	TP6	M - 1		
D214	H - 8	IC402	N - 6	Q202	F - 7	Q712	B - 2	TP7	L - 4		
D215	H - 7	IC403	P - 5	Q203	F - 5	Q713	D - 6	TP8	L - 5		
D401	O - 7	IC404	P - 5	Q204	F - 5	Q714	C - 1	TP9	L - 3		
D402	O - 7	IC406	I - 3	Q205	G - 4	Q716	C - 2	TP10	K - 2		
D403	N - 6	IC411	J - 6	Q206	F - 2	Q717	E - 2	TP11	K - 4		
D404	P - 7	IC412	P - 3	Q208	F - 2	Q718	E - 2	TP12	L - 4		
D405	P - 4	IC413	P - 3	Q209	F - 2	Q719	C - 1	TP13	L - 4		
D406	P - 4	IC414	N - 1	Q210	F - 1	Q720	C - 1	TP201	F - 7		
D407	J - 4	IC508	O - 2	Q211	F - 1	Q813	C - 3	TP203	F - 8		
D408	O - 2	IC509	O - 3	Q212	G - 1	Q814	C - 3	TP204	F - 4		
D410	N - 1	IC510	O - 4	Q213	G - 1	Q815	D - 4	TP205	G - 4		
D601	B - 4	IC602	B - 7	Q214	G - 2	Q816	D - 3	TP206	I - 2		
D602	B - 3	IC603	B - 8	Q218	I - 2	Q817	B - 3	TP207	H - 5		
D701	D - 7	IC604	B - 6	Q219	H - 3	Q818	B - 2	TP208	G - 4		
D702	C - 6	IC606	B - 6	Q220	I - 3	Q819	A - 3	TP210	H - 2		
D703	C - 6	IC611	A - 6	Q221	H - 3	Q1001	O - 3	TP211	G - 4		
D704	B - 2	IC612	A - 7	Q222	H - 4	Q1002	O - 3	TP212	F - 4		
D705	B - 2	IC613	A - 5	Q223	H - 4			TP213	E - 4		
D1002	P - 6	IC701	C - 7	Q224	H - 5	RV1	J - 4	TP214	H - 4		
D1003	P - 6	IC702	C - 5	Q225	I - 5	RV4	L - 2	TP401	P - 7		
D1004	P - 5	IC703	M - 7	Q226	H - 5	RV5	K - 3	TP402	N - 8		
D1005	O - 2	IC706	D - 5	Q227	I - 5	RV6	K - 4	TP403	N - 6		
D1006	F - 2	IC707	D - 4	Q228	H - 5	RV7	L - 4	TP404	P - 6		
D1007	F - 2	IC714	B - 3	Q229	H - 7	RV8	K - 8	TP408	O - 9		
D1008	F - 2	IC715	E - 3	Q230	H - 7	RV10	J - 1	TP409	P - 8		
D1009	B - 2	IC716	E - 2	Q231	H - 8	RV11	M - 1	TP410	P - 1		
D1010	B - 2	IC717	C - 3	Q232	G - 8	RV12	L - 1	TP411	P - 6		
		IC810	C - 5	Q233	G - 8	RV202	F - 4	TP415	N - 8		
DL401	P - 5	IC811	C - 2	Q236	G - 1	RV204	I - 2	TP506	O - 3		
DL402	O - 5	IC812	C - 3	Q239	G - 7	RV205	G - 3	TP507	M - 6		
DL503	M - 4			Q240	F - 8	RV206	G - 4	TP601	B - 8		
DL601	A - 4	LV1	K - 3	Q241	G - 8	RV207	H - 4	TP603	A - 9		
DL701	E - 5	LV201	C - 3	Q242	F - 8	RV208	F - 4	TP605	A - 6		
DL702	D - 5	LV401	O - 8	Q243	I - 2	RV210	G - 1	TP701	D - 7		
DL802	C - 3	LV402	P - 8	Q244	H - 1	RV211	H - 2	TP702	B - 8		
		LV702	E - 8	Q245	H - 1	RV213	I - 1	TP703	C - 5		
E1	K - 7			Q246	H - 1	RV401	O - 8	TP708	D - 6		
E2	J - 2	Q1	K - 8	Q247	H - 2	RV402	P - 8	TP709	D - 7		
E3	M - 4	Q5	K - 7	Q401	P - 8	RV403	O - 6	TP710	E - 6		
E201	F - 7	Q6	J - 7	Q402	P - 7	RV404	P - 8	TP711	D - 5		
E202	G - 8	Q7	K - 4	Q403	O - 8	RV405	N - 8	TP712	A - 1		
E203	I - 1	Q8	J - 2	Q404	N - 7	RV406	P - 5	TP715	C - 8		
E204	I - 4	Q9	J - 2	Q405	N - 6	RV408	N - 3	TP806	D - 3		
E401	P - 7	Q10	J - 1	Q406	O - 6	RV409	N - 3	TP807	C - 5		
E410	N - 6	Q11	J - 1	Q407	O - 6	RV410	O - 3				
E414	M - 9	Q12	K - 1	Q408	P - 8	RV415	O - 2				
E713	E - 7	Q13	K - 1	Q409	P - 6	RV416	N - 1				
E715	D - 3	Q14	K - 2	Q410	P - 6	RV511	N - 4				
		Q18	M - 2	Q411	P - 4	RV512	N - 4				
FL401	O - 1			Q412	J - 4	RV513	O - 4				

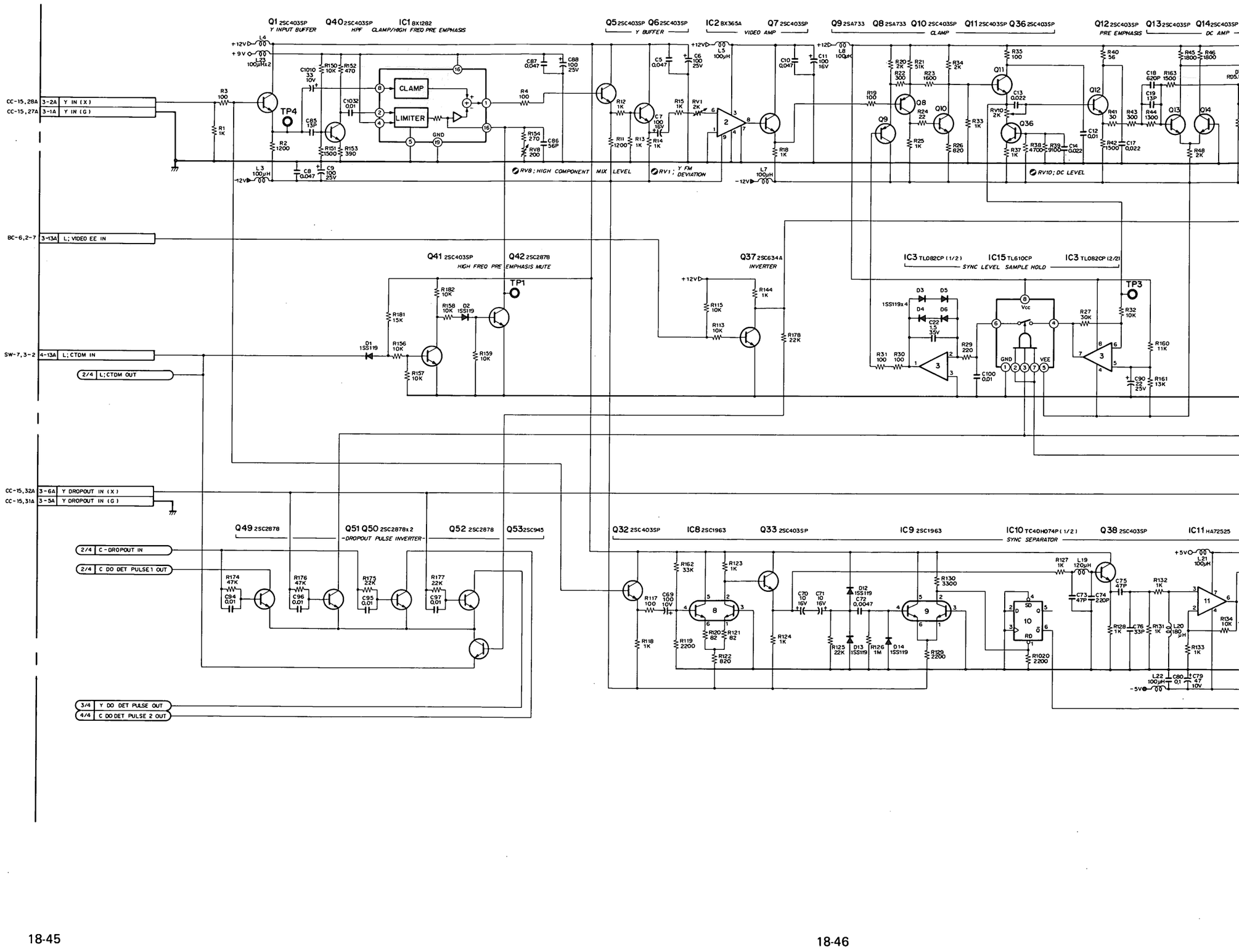
YC-14 -SOLDERING SIDE-

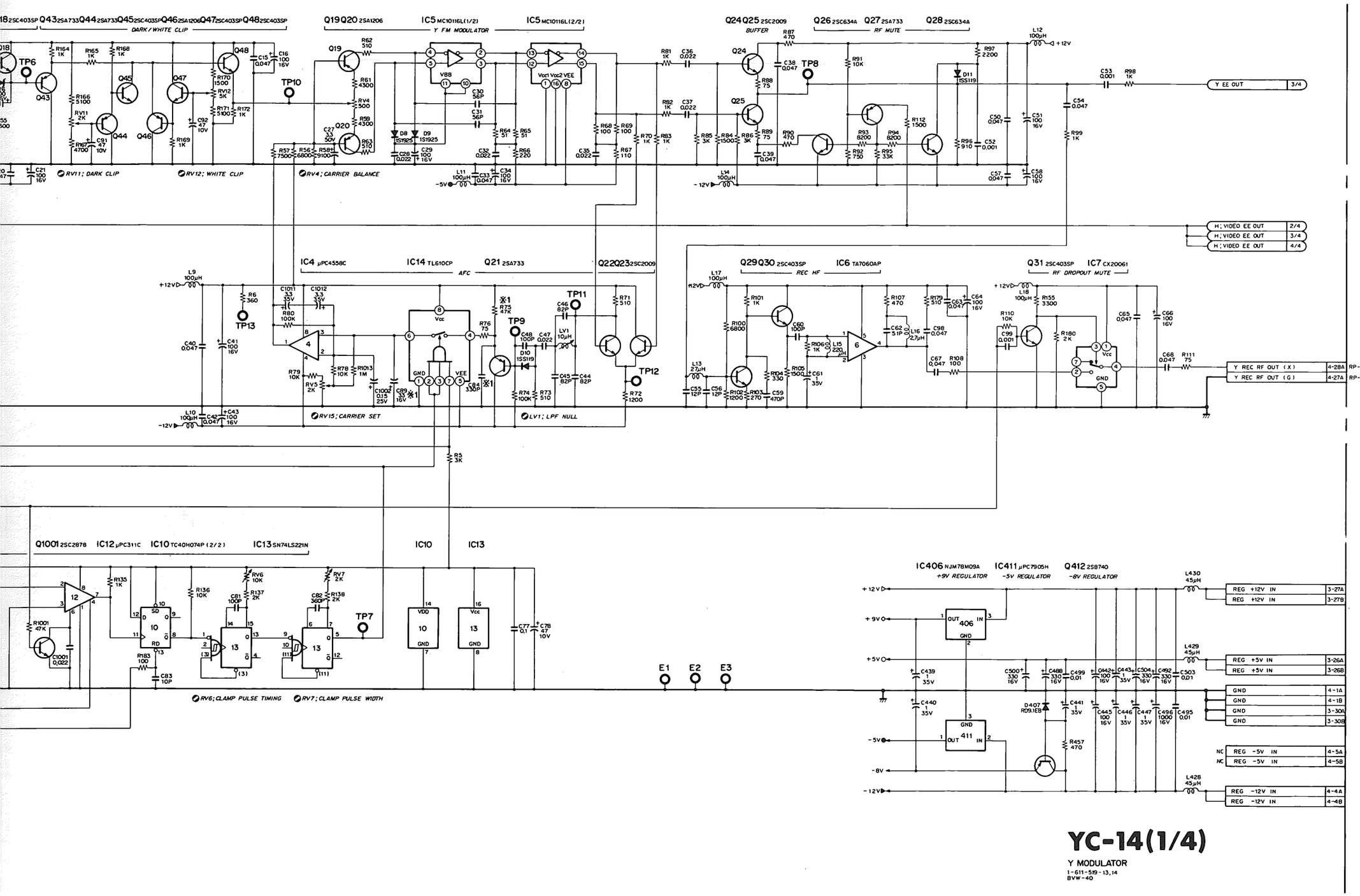
1-611-519-13,14
BW-40

YC-14 (1/4) (Y MODULATOR)

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
※1	C84 330P ADDED	UC: 10646 ~
	C89 4.7/25V → 33/16V	J: 10296 ~
	R75 100K → 47K	





YC-14(1/4)

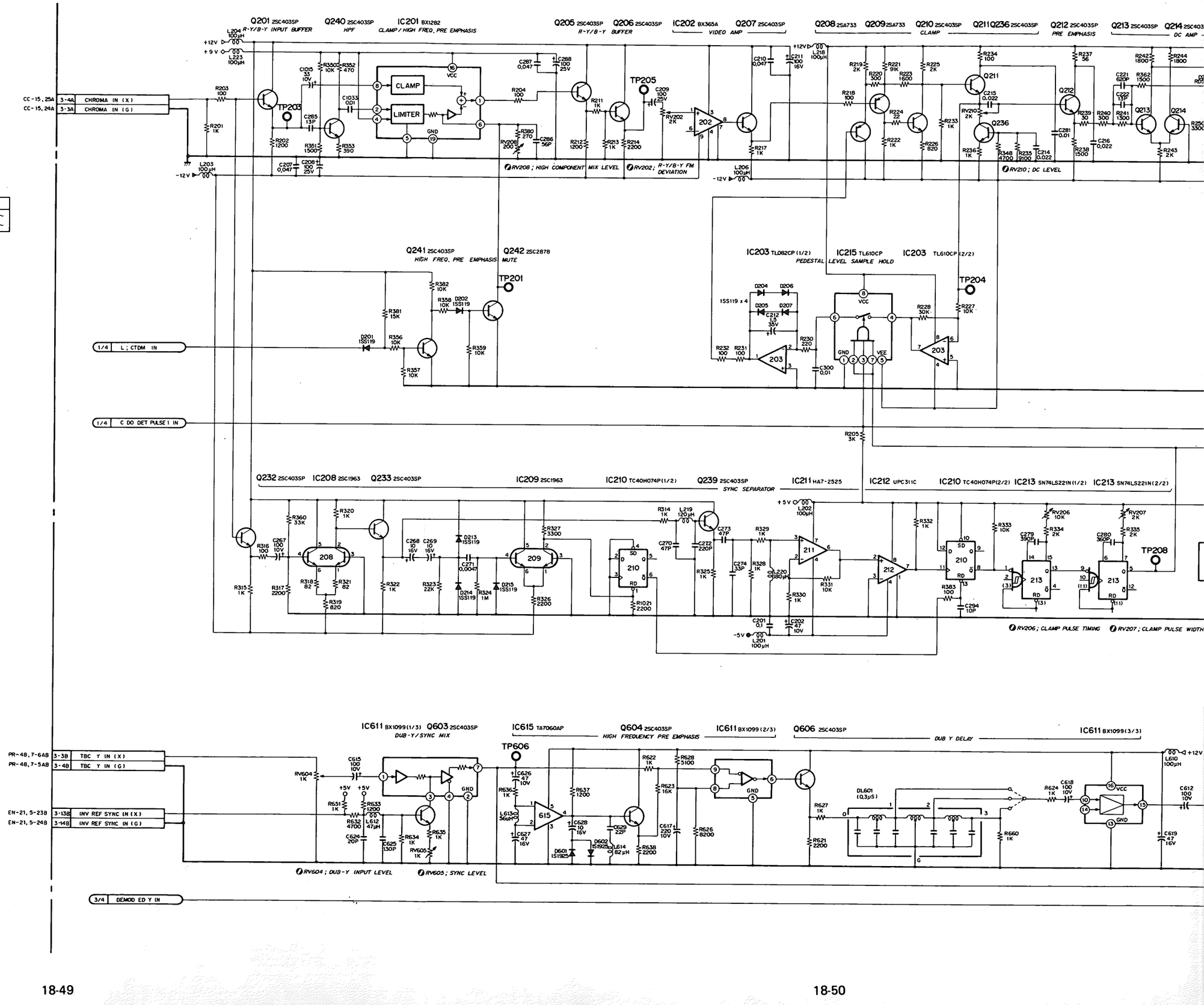
Y MODULATOR

1-611-519-13, 14
8VW-40

YC-14 (2/4) (CHROMA MODULATOR)

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
※1	C284 ADDED C289 4.7/25V → 33/16V	UC: 10646 ~ J: 10296 ~



Q218 2SC4035SP Q243 Q244 2SA733 Q245 2SC4035SP Q246 2SA1206 Q247 2SC4035SP Q248 2SC4035SP
DARK / WHITE CLIP

Q219 Q220 2SA1206 IC205 MC10116L(1/2) IC205 MC10116L(2/2)
R-Y/B-Y FM MODULATOR

Q224 Q225 2SC2009
BUFFER

Q226 2SC634A Q227 2SA733 Q228 2SC634A
RF MUTE

TP206 TP210 TP207

RV211 ; DARK CLIP

RV212 ; WHITE CLIP

RV204 ; CARRIER BALANCE

CHROMA EE OUT 4/4

H ; VIDEO EE IN 1/4

IC204 UPC4558C(1/2)

IC204 UPC4558C(2/2) IC214 TL610CP Q221 2SA733 Q222 Q223 2SC2009
AFC

Q229 2SC4035SP Q230 2SC4035SP IC206 TA7060AP
REC HF

Q231 2SC4035SP IC207 CX20061
RF DROPOUT MUTE

TP213 TP208 TP211 TP212

RV205 ; CARRIER SET

LV201 ; HPF NULL

CHROMA REC RF OUT (X) 4-30A RP-15, 6-3
CHROMA REC RF OUT (G) 4-29A RP-15, 6-4

CHROMA DROPOUT IN (X) 3-8A CC-15, 35A
CHROMA DROPOUT IN (G) 3-7A CC-15, 34A

C-DROPOUT OUT 1/4

C210 IC213

IC612 BX388(1/2)
DUB-Y BUFFER

IC612 BX388 (2/2)
DUB-Y OUTPUT AMP

IC608 TL607CP
DUB/COMPONENT SW

IC602 BX365A IC603 BX366
OUTPUT AMP

TP605 TP601

RV606 ; U-DUB VIDEO LEVEL

RV601 ; DUB-Y OUTPUT LEVEL

U DUB Y OUT (X) 3-22A
U DUB Y OUT (G) 3-23A

L ; DUB/H ; COMPONENT IN 3-16B

DUB Y OUT (X) 3-24A
DUB Y OUT (G) 3-25A

CN559
DUB (U-matic) OUT
(FEMALE)

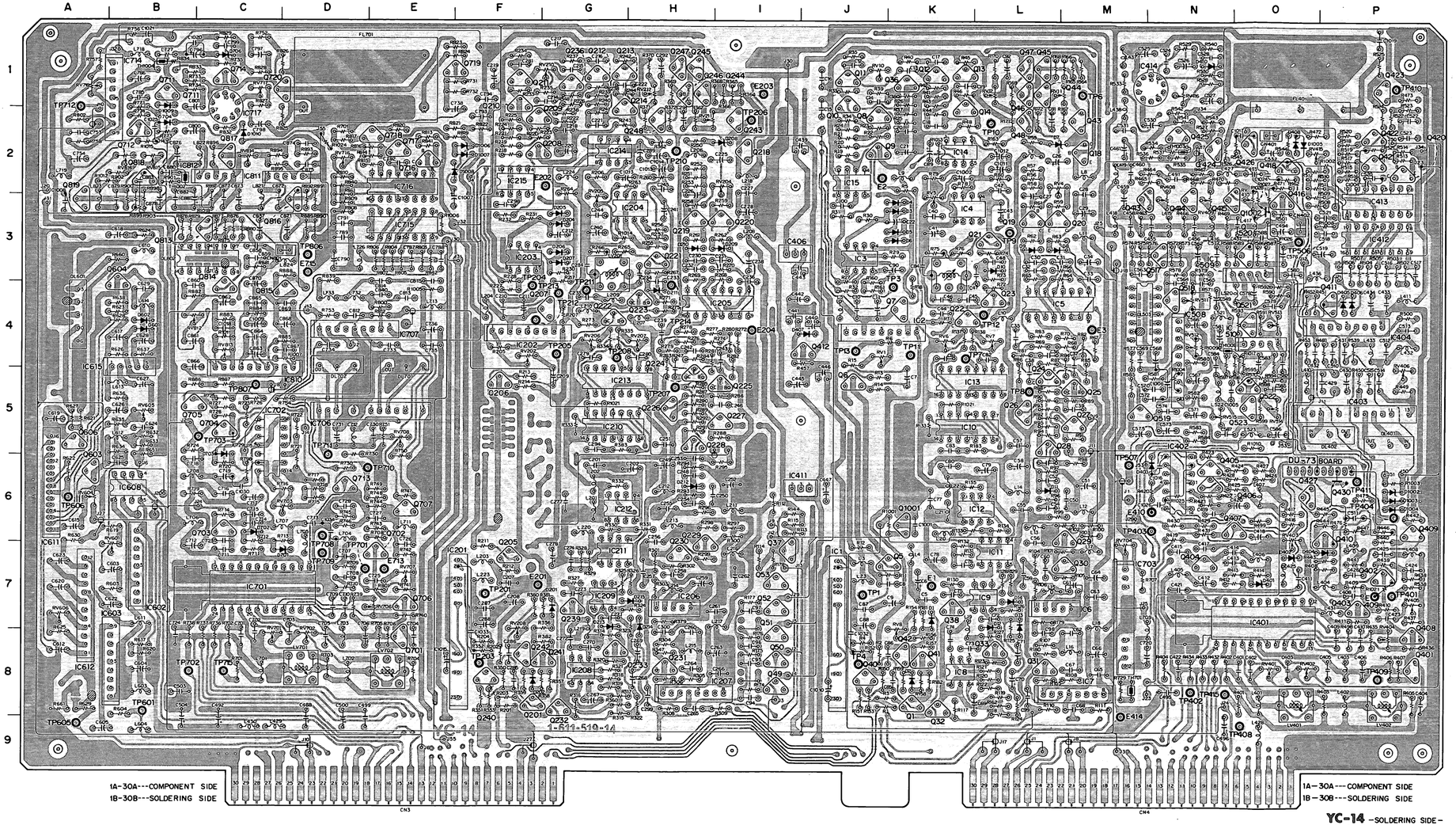
CN558
DUB / COMPONENT OUT
(FEMALE)

YC-14(2/4)

CHROMA MODULATOR

1-611-519-13,14
BVW-40

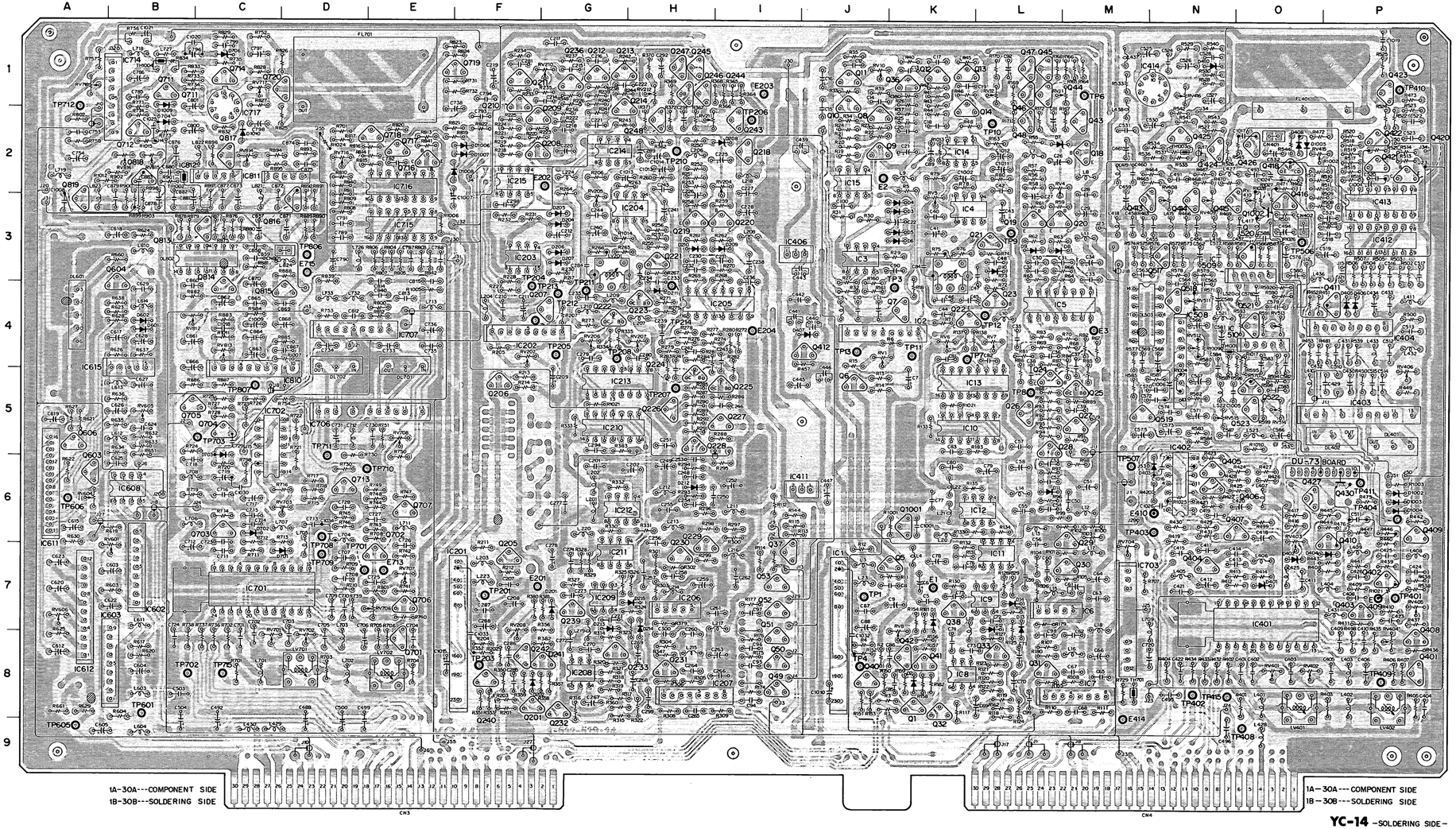
YC-14 (Y/C MODULATOR AND DEMODULATOR)



CN3	E - 9	FL701	D - 1	Q19	L - 3	Q413	M - 3	RV514	O - 5
CN4	M - 9			Q20	M - 3	Q414	N - 3	RV515	N - 5
CN401	O - 2	IC1	J - 7	Q21	L - 3	Q415	N - 3	RV601	B - 7
CN402	O - 3	IC2	J - 4	Q22	K - 4	Q416	O - 3	RV604	A - 6
CN801	D - 3	IC3	J - 3	Q23	L - 4	Q417	O - 3	RV605	D - 5
		IC4	K - 3	Q24	L - 5	Q418	O - 2	RV606	A - 7
D1	K - 7	IC5	M - 4	Q25	M - 5	Q420	P - 2	RV701	C - 8
D2	K - 8	IC6	M - 7	Q26	L - 5	Q421	P - 2	RV702	D - 8
D3	K - 3	IC7	M - 8	Q27	M - 5	Q422	P - 2	RV703	C - 6
D4	K - 3	IC8	K - 8	Q28	L - 5	Q423	P - 1	RV704	M - 7
D5	K - 3	IC9	L - 7	Q29	M - 7	Q424	N - 2	RV705	E - 7
D6	K - 3	IC10	K - 5	Q30	M - 7	Q425	O - 2	RV706	E - 7
D7	L - 2	IC11	L - 7	Q31	L - 8	Q426	O - 2	RV707	E - 7
D8	L - 3	IC12	J - 6	Q32	K - 8	Q427	O - 6	RV708	E - 5
D9	L - 3	IC13	K - 5	Q33	L - 8	Q430	P - 6	RV716	D - 2
D10	L - 6	IC14	J - 2	Q35	K - 1	Q518	N - 3	RV717	C - 1
D11	L - 6	IC15	K - 2	Q36	M - 5	Q519	M - 5	RV718	A - 1
D12	L - 8	IC201	F - 7	Q37	I - 7	Q520	O - 3	RV812	B - 4
D13	L - 8	IC202	F - 4	Q38	K - 7	Q521	O - 4	RV813	C - 4
D14	L - 7	IC203	F - 3	Q40	J - 8	Q522	O - 5	RV814	C - 2
D201	G - 7	IC204	H - 3	Q41	K - 8	Q523	O - 5	RV815	B - 2
D202	G - 8	IC205	H - 4	Q42	K - 8	Q601	A - 6	RV816	B - 2
D204	G - 3	IC206	H - 7	Q43	L - 1	Q603	M - 2		
D205	G - 3	IC207	H - 8	Q44	L - 1	Q604	B - 4	TH701	M - 8
D206	G - 3	IC208	G - 8	Q45	L - 1	Q606	A - 5	TH1001	N - 4
D207	G - 3	IC209	G - 7	Q46	L - 1	Q701	E - 8	TH1002	B - 2
D208	I - 2	IC210	G - 5	Q47	L - 1	Q702	E - 2	TH1003	N - 2
D209	I - 3	IC211	G - 6	Q48	L - 2	Q703	C - 6	TH1004	B - 1
D210	H - 3	IC212	G - 6	Q49	L - 2	Q704	C - 5		
D211	H - 4	IC213	G - 5	Q50	I - 8	Q705	B - 5	TP1	J - 7
D212	H - 8	IC214	G - 5	Q51	I - 8	Q706	E - 7	TP3	K - 4
D213	G - 8	IC215	F - 2	Q52	I - 7	Q707	E - 6	TP4	J - 8
D214	H - 8	IC401	O - 7	Q53	I - 7	Q711	B - 1	TP6	M - 1
D215	H - 7	IC402	O - 6	Q301	F - 8	Q712	B - 2	TP7	K - 4
D401	O - 7	IC403	P - 5	Q302	F - 8	Q713	D - 6	TP8	K - 5
D402	O - 7	IC404	P - 4	Q305	F - 5	Q714	C - 1	TP9	L - 3
D403	N - 6	IC406	I - 3	Q306	F - 5	Q716	E - 2	TP10	L - 2
D404	P - 7	IC411	J - 6	Q307	G - 4	Q717	E - 2	TP11	K - 4
D405	P - 4	IC412	P - 3	Q308	F - 2	Q718	E - 2	TP12	L - 4
D406	P - 4	IC413	P - 3	Q309	F - 2	Q719	F - 1	TP13	L - 4
D407	J - 4	IC414	N - 1	Q210	F - 1	Q720	C - 1	TP201	F - 7
D408	O - 2	IC508	N - 4	Q211	G - 1	Q813	C - 3	TP203	F - 8
D410	N - 1	IC509	O - 4	Q212	G - 1	Q814	C - 4	TP204	F - 4
D601	B - 4	IC510	O - 4	Q213	G - 1	Q815	D - 4	TP205	G - 4
D602	B - 4	IC602	B - 7	Q214	G - 2	Q816	D - 3	TP206	I - 2
D701	D - 7	IC603	B - 8	Q218	I - 2	Q817	C - 2	TP207	H - 5
D702	C - 6	IC608	B - 6	Q219	H - 3	Q818	B - 2	TP208	G - 4
D703	N - 6	IC611	A - 6	Q220	I - 3	Q819	A - 3	TP210	H - 2
D704	B - 2	IC612	A - 7	Q221	H - 3	Q1001	O - 3	TP211	F - 4
D706	C - 1	IC615	B - 5	Q222	H - 4			TP212	F - 4
D1002	P - 6	IC701	C - 7	Q223	H - 4			TP213	G - 4
D1003	P - 6	IC702	C - 5	Q224	H - 5			TP214	H - 4
D1004	P - 6	IC703	M - 7	Q225	I - 5	RV1	J - 4	TP401	P - 7
D1005	O - 2	IC706	D - 5	Q226	H - 5	RV4	L - 2	TP402	N - 8
D1006	F - 2	IC707	D - 4	Q227	I - 5	RV5	K - 3	TP403	N - 6
D1007	F - 2	IC714	B - 1	Q228	H - 5	RV6	K - 4	TP404	P - 6
D1008	F - 2	IC715	E - 3	Q229	H - 7	RV7	L - 4	TP408	O - 9
D1009	B - 2	IC716	E - 2	Q230	H - 7	RV8	K - 8	TP409	P - 8
D1010	C - 2	IC717	C - 2	Q231	H - 8	RV10	J - 1	TP410	P - 1
		IC810	C - 5	Q232	G - 8	RV11	M - 1	TP411	P - 6
DL401	P - 5	IC811	C - 2	Q233	G - 8	RV12	L - 1	TP412	P - 6
DL402	P - 5	IC812	C - 2	Q234	G - 8	RV202	F - 4	TP415	N - 8
DL502	M - 4			Q235	G - 7	RV204	I - 2	TP506	O - 3
DL601	A - 4	LV1	K - 3	Q239	G - 7	RV205	G - 3	TP507	M - 6
DL701	E - 5	LV201	G - 3	Q240	F - 8	RV206	G - 4	TP601	B - 8
DL702	E - 5	LV401	P - 3	Q241	G - 8	RV207	H - 4	TP605	A - 9
DL802	C - 3	LV402	P - 8	Q242	F - 8	RV208	F - 8	TP606	A - 6
		LV701	D - 8	Q243	I - 2	RV209	F - 8	TP701	D - 8
E1	K - 7	LV702	E - 8	Q244	H - 1	RV210	G - 1	TP702	B - 8
E2	J - 2			Q245	H - 1	RV211	H - 2	TP703	C - 5
E3	M - 4			Q246	H - 1	RV212	H - 1	TP708	D - 6
E201	F - 7	Q1	K - 8	Q247	H - 1	RV401	P - 8	TP709	D - 7
E202	G - 2	Q2	K - 7	Q248	H - 2	RV402	O - 8	TP710	E - 6
E203	I - 4	Q5	J - 5	Q400	P - 8	RV403	O - 6	TP711	D - 5
E204	I - 4	Q6	K - 4	Q401	P - 8	RV404	P - 8	TP712	A - 1
E409	P - 7	Q7	K - 4	Q402	P - 7	RV405	P - 7	TP715	C - 8
E410	N - 6	Q8	J - 2	Q403	P - 7	RV406	P - 5	TP806	D - 3
E414	M - 9	Q9	J - 2	Q404	P - 7	RV408	N - 3	TP807	C - 5
E713	E - 7	Q10	J - 1	Q405	N - 6	RV409	N - 3		
E715	D - 3	Q11	J - 1	Q406	N - 6	RV410	O - 3		
		Q12	K - 1	Q407	O - 6	RV415	O - 2		
FL401	O - 1	Q13	K - 1	Q408	P - 8	RV416	N - 1		
		Q14	K - 2	Q409	P - 6	RV511	N - 4		
		Q18	M - 2	Q410	P - 6	RV512	N - 4		
				Q411	P - 4	RV513	O - 4		
				Q412	J - 4				

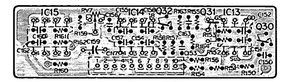
YC-14, DU-73 YC-14, DU-73

YC-14 (Y/C MODULATOR AND DEMODULATOR)
DU-73



18-56 (a)

18-57 (a)



18-58 (a)

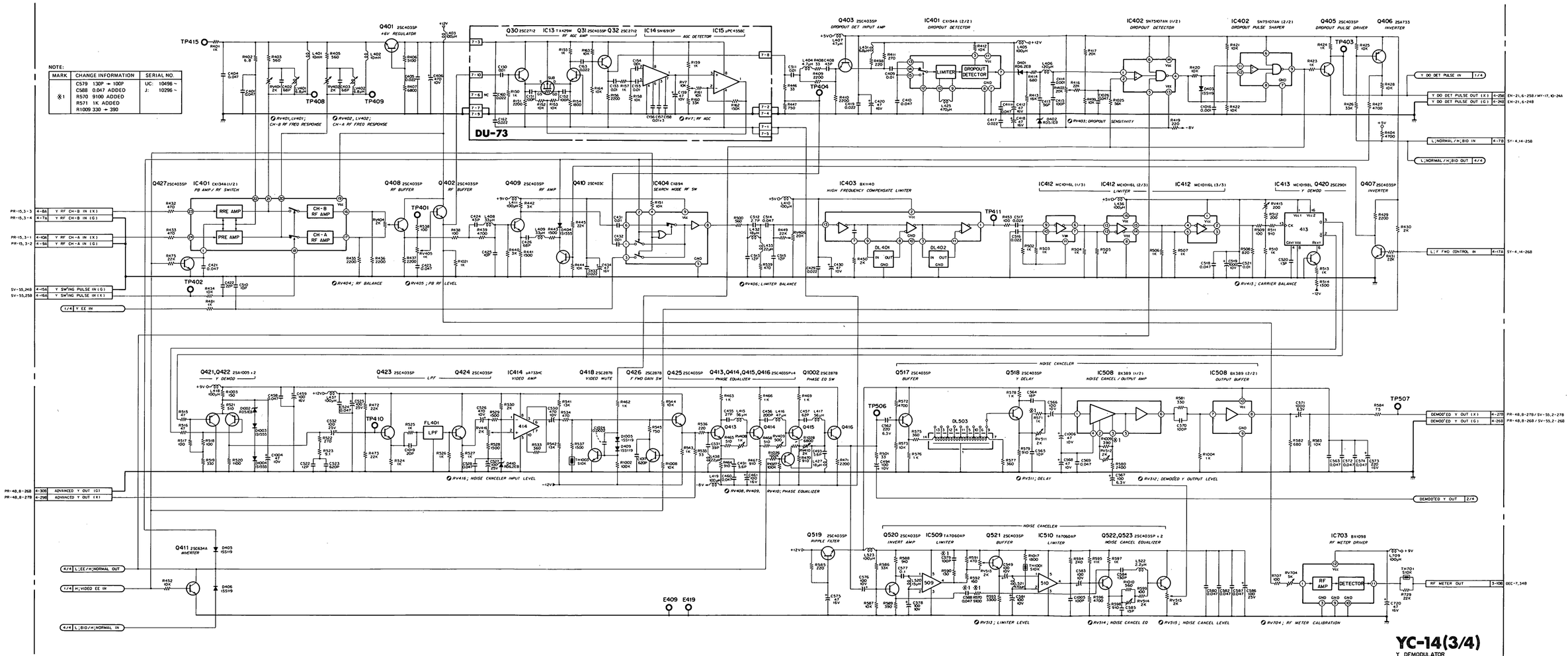
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CN4	M-9			Q20	M-3	Q414	N-3	RV515	N-5		
CN401	O-2	IC1	J-7	Q21	L-3	Q415	N-3	RV601	B-7		
CN402	O-3	IC2	J-4	Q22	K-4	Q416	O-3	RV604	A-6		
CN801	D-3	IC3	J-6	Q23	L-4	Q418	O-2	RV605	B-5		
		IC4	K-3	Q24	L-5	Q420	P-2	RV606	A-7		
D1	K-7	IC5	M-4	Q25	M-5	Q421	P-2	RV701	C-8		
D2	K-8	IC6	M-7	Q26	L-5	Q422	P-2	RV702	D-8		
D3	K-3	IC7	M-8	Q27	M-5	Q423	P-1	RV703	C-6		
D4	K-3	IC8	K-8	Q28	L-5	Q424	N-2	RV704	M-7		
D5	K-3	IC9	K-7	Q29	M-7	Q425	N-2	RV706	M-7		
D6	K-3	IC10	K-5	Q30	M-7	Q426	O-2	RV707	E-7		
D7	L-2	IC11	L-7	Q31	L-8	Q427	O-6	RV708	E-5		
D8	M-3	IC12	J-8	Q32	K-8	Q428	O-6	RV716	D-2		
D9	L-3	IC13	K-5	Q33	L-8	Q517	N-3	RV717	C-1		
D10	L-3	IC14	K-2	Q36	K-1	Q518	N-4	RV718	A-1		
D11	L-6	IC15	K-2	Q37	I-7	Q519	M-5	RV811	B-4		
D12	L-8	IC201	F-7	Q38	K-7	Q520	O-3	RV813	C-4		
D13	L-8	IC202	F-4	Q40	J-8	Q521	O-4	RV814	C-2		
D14	L-8	IC203	F-3	Q41	K-8	Q522	O-5	RV815	B-2		
D201	G-7	IC204	H-3	Q42	K-8	Q523	O-5	RV816	B-2		
D202	F-8	IC205	H-4	Q43	M-2	Q603	A-6				
D204	G-3	IC206	H-7	Q44	L-1	Q604	B-4	TH701	M-8		
D205	G-3	IC207	H-8	Q45	L-1	Q606	A-5	TH1001	N-4		
D206	G-3	IC208	G-8	Q46	L-1	Q701	E-8	TH1002	B-2		
D207	G-3	IC209	G-7	Q47	L-1	Q702	E-8	TH1003	N-2		
D208	I-2	IC210	G-5	Q48	L-2	Q703	C-6	TH1004	B-1		
D209	I-3	IC211	G-7	Q49	I-8	Q704	C-5				
D210	H-3	IC212	G-6	Q50	I-8	Q705	B-5	TP1	J-7		
D211	H-4	IC213	G-5	Q51	I-8	Q706	E-7	TP3	K-4		
D212	H-4	IC214	G-5	Q52	I-7	Q707	E-6	TP4	J-8		
D213	G-8	IC215	F-2	Q53	I-7	Q711	B-1	TP6	M-1		
D214	H-8	IC401	O-7	Q201	F-8	Q712	B-2	TP7	K-4		
D215	I-7	IC402	O-6	Q202	F-8	Q713	D-6	TP8	L-5		
D401	O-7	IC403	P-5	Q205	F-5	Q714	C-1	TP9	L-3		
D402	O-7	IC404	P-4	Q206	F-5	Q715	E-2	TP10	L-2		
D403	K-6	IC406	I-3	Q207	G-4	Q716	E-2	TP11	K-4		
D404	P-7	IC411	J-6	Q208	F-3	Q717	F-2	TP12	L-4		
D405	P-4	IC412	P-3	Q209	F-2	Q718	E-2	TP13	L-4		
D406	P-4	IC413	P-3	Q210	F-1	Q719	F-1	TP201	F-7		
D407	J-4	IC414	N-1	Q211	F-1	Q720	F-1	TP202	F-8		
D408	O-2	IC508	N-4	Q212	G-1	Q813	C-3	TP203	F-8		
D410	O-2	IC509	O-4	Q213	G-1	Q814	C-4	TP204	F-4		
D501	B-4	IC510	O-4	Q214	G-1	Q815	C-4	TP205	G-4		
D502	B-4	IC602	B-7	Q218	I-2	Q816	D-3	TP206	I-2		
D701	D-7	IC603	B-8	Q219	H-3	Q817	C-2	TP207	H-5		
I7702	C-6	IC608	B-6	Q220	I-3	Q818	C-2	TP208	H-4		
I7703	G-6	IC611	A-6	Q221	H-3	Q819	A-3	TP210	H-2		
I7704	C-2	IC612	A-7	Q222	H-4	Q1001	K-6	TP211	G-4		
I7706	C-1	IC615	B-5	Q223	H-4	Q1002	K-3	TP212	F-4		
D1002	P-6	IC701	C-7	Q224	H-5			TP213	G-4		
D1003	P-6	IC702	C-5	Q225	I-5	RV1	J-4	TP214	H-4		
D1004	P-6	IC703	M-7	Q226	H-5	RV4	L-2	TP401	F-7		
D1005	O-5	IC706	M-5	Q227	I-5	RV5	K-3	TP402	N-8		
D1006	P-2	IC707	D-4	Q228	H-7	RV6	K-4	TP403	N-6		
D1007	F-2	IC714	B-1	Q229	H-7	RV7	L-4	TP404	O-6		
D1008	F-2	IC715	E-3	Q230	H-7	RV8	K-8	TP408	O-9		
D1009	B-2	IC716	E-2	Q231	H-8	RV10	J-1	TP409	P-8		
D1010	C-2	IC717	C-2	Q232	G-8	RV11	M-1	TP410	P-1		
		IC810	C-5	Q233	G-8	RV12	L-1	TP411	P-6		
DL401	P-5	IC811	C-2	Q239	G-7	RV202	F-4	TP415	N-8		
DL402	P-5	IC812	C-2	Q240	F-8	RV204	I-2	TP506	O-3		
DL503	M-4			Q241	G-8	RV205	G-3	TP507	M-6		
DL601	A-4	LV1	K-3	Q242	F-8	RV206	G-4	TP601	B-8		
DL701	E-5	LV201	G-3	Q243	I-2	RV207	H-4	TP605	A-9		
DL702	D-5	LV401	O-3	Q244	H-1	RV208	F-8	TP606	A-6		
DL802	C-3	LV402	P-8	Q245	H-1	RV210	J-1	TP607	B-7		
		LV701	D-8	Q246	H-1	RV211	H-2	TP702	B-8		
E1	K-7	LV702	B-8	Q247	H-1	RV212	H-1	TP703	C-5		
E2	J-2			Q248	H-2	RV401	O-8	TP705	D-6		
E3	M-4	Q1	K-8	Q401	P-8	RV402	O-8	TP709	D-7		
E201	F-7	Q5	K-7	Q402	P-7	RV403	O-6	TP710	E-6		
E202	G-2	Q6	J-5	Q403	P-7	RV404	O-6	TP711	D-5		
E203	I-1	Q7	K-4	Q404	N-7	RV405	P-7	TP712	A-1		
E204	I-4	Q8	J-2	Q405	N-6	RV406	P-5	TP715	G-8		
E409	P-7	Q9	J-2	Q406	N-6	RV408	N-4	TP806	D-3		
E410	N-6	Q10	J-1	Q407	O-6	RV409	N-3	TP807	C-5		
E414	M-9	Q11	J-1	Q408	P-8	RV410	O-3				
E713	E-7	Q12	K-1	Q409	P-6	RV416	N-1				
E715	D-3	Q13	K-1	Q410	P-6	RV511	N-4				
		Q14	K-2	Q411	P-4	RV512	N-4				
FL401	O-1	Q18	M-2	Q412	J-4	RV513	O-4				

YC-14 (3/4) (Y DEMODULATOR)

UP TO S/N 10845 (UC)
UP TO S/N 10295 (J)

NOTE:

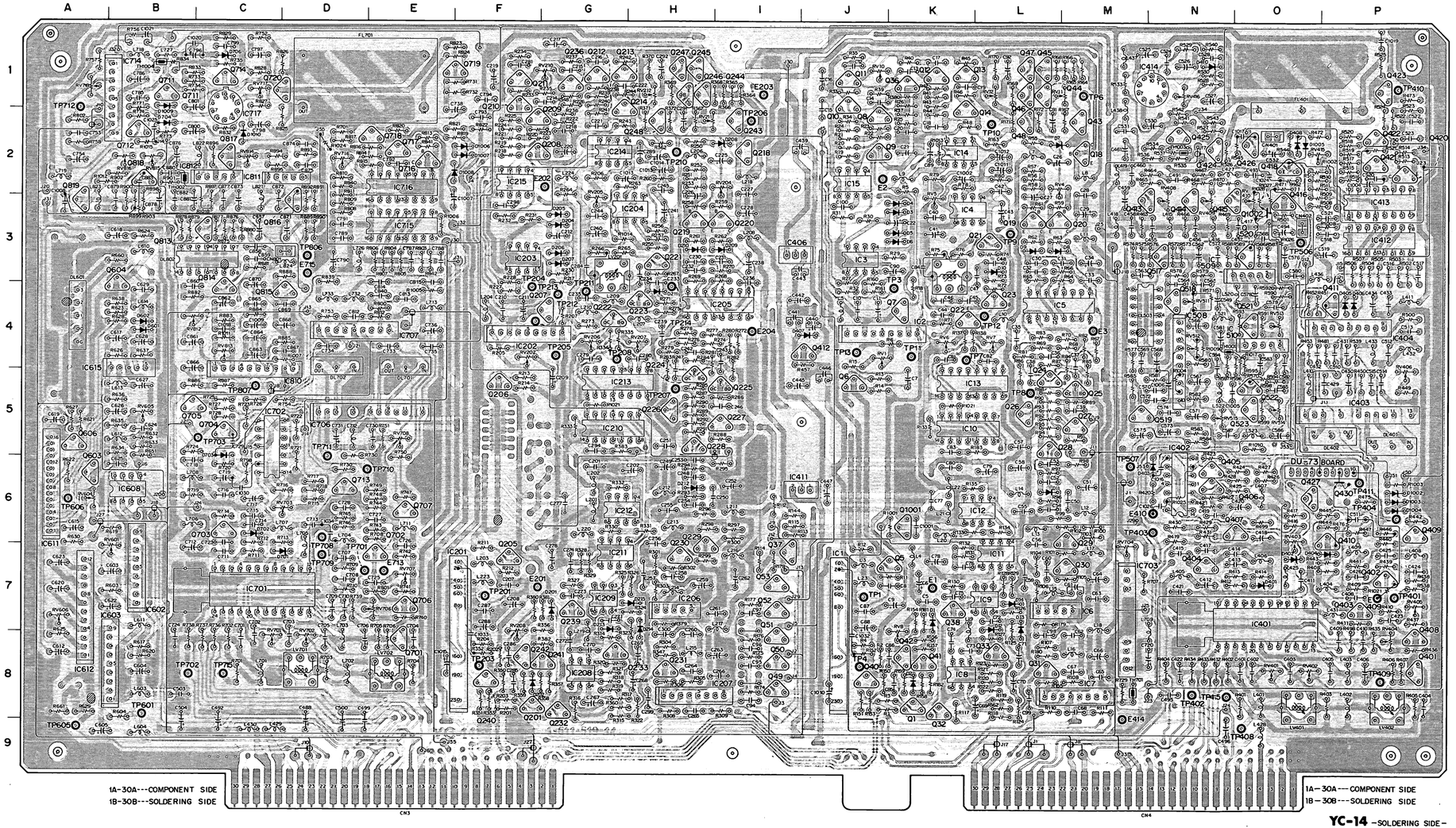
MARK	CHANGE INFORMATION	SERIAL NO.
※1	C579 130P → 100P C588 0.047 ADDED R570 9100 ADDED R571 1K ADDED R1009 330 → 390	UC: 10496 ~ J: 10296 ~



YC-14(3/4)
Y DEMODULATOR
1-611-519-13,14
BVW-40

YC-14, DU-73 YC-14, DU-73

YC-14 (Y/C MODULATOR AND DEMODULATOR)
DU-73



18-56 (b)

18-57 (b)

CN3	E - 9	FL701	D - 1	Q19	L - 3	Q413	M - 3	RV514	O - 5		
CN4	M - 9			Q20	M - 3	Q414	N - 3	RV515	N - 5		
CN401	O - 2	IC1	J - 7	Q21	L - 3	Q415	N - 3	RV601	B - 7		
CN402	O - 3	IC2	J - 4	Q22	K - 4	Q416	O - 3	RV604	A - 6		
CN801	N - 3	IC3	J - 3	Q23	L - 4	Q418	O - 2	RV605	B - 5		
		IC4	K - 3	Q24	L - 5	Q420	P - 2	RV606	A - 7		
D1	K - 7	IC5	M - 4	Q25	M - 5	Q421	P - 2	RV701	C - 8		
D2	K - 8	IC6	M - 7	Q26	L - 5	Q422	P - 2	RV702	D - 8		
D3	K - 3	IC7	M - 8	Q27	M - 5	Q423	P - 1	RV703	C - 6		
D4	K - 3	IC8	K - 8	Q28	L - 5	Q424	N - 2	RV704	M - 7		
D5	K - 3	IC9	L - 7	Q29	M - 7	Q425	O - 2	RV705	E - 7		
D6	K - 3	IC10	K - 5	Q30	M - 7	Q426	O - 2	RV707	E - 7		
D7	L - 2	IC11	L - 7	Q31	L - 8	Q427	O - 6	RV708	E - 5		
D8	M - 3	IC12	L - 6	Q32	K - 8	Q430	P - 6	RV716	D - 2		
D9	L - 3	IC13	K - 5	Q33	L - 8	Q517	N - 3	RV717	C - 1		
D10	L - 3	IC14	K - 2	Q36	K - 1	Q518	N - 4	RV718	A - 1		
D11	L - 6	IC15	J - 2	Q37	I - 7	Q519	M - 5	RV812	B - 4		
D12	L - 8	IC201	F - 7	Q38	K - 7	Q520	O - 3	RV813	C - 4		
D13	L - 8	IC202	F - 4	Q40	J - 8	Q521	O - 4	RV814	C - 2		
D14	L - 7	IC203	F - 3	Q41	K - 8	Q522	O - 5	RV815	B - 2		
D201	G - 7	IC204	H - 3	Q42	K - 8	Q523	O - 5	RV816	B - 2		
D202	F - 8	IC205	H - 4	Q43	M - 2	Q603	A - 6				
D204	G - 3	IC206	H - 7	Q44	L - 1	Q604	B - 4	TH701	M - 8		
D205	G - 3	IC207	H - 8	Q45	L - 1	Q606	A - 5	TH1001	N - 4		
D206	G - 3	IC208	G - 8	Q46	L - 1	Q701	E - 8	TH1002	B - 2		
D207	G - 3	IC209	G - 7	Q47	L - 1	Q702	E - 2	TH1003	N - 2		
D208	I - 2	IC210	G - 5	Q48	L - 2	Q703	C - 6	TH1004	B - 1		
D209	I - 3	IC211	G - 7	Q49	I - 8	Q704	C - 5				
D210	H - 3	IC212	G - 6	Q50	I - 8	Q705	B - 5	TP1	J - 7		
D211	H - 4	IC213	G - 5	Q51	I - 8	Q706	E - 7	TP3	K - 4		
D212	H - 6	IC214	G - 2	Q52	I - 7	Q707	E - 6	TP4	J - 8		
D213	G - 8	IC215	F - 2	Q53	I - 7	Q711	B - 1	TP6	M - 1		
D214	H - 8	IC401	O - 7	Q201	F - 8	Q712	B - 2	TP7	K - 4		
D215	H - 7	IC402	O - 6	Q205	F - 7	Q713	B - 6	TP8	L - 5		
D401	O - 7	IC403	P - 5	Q206	F - 5	Q714	C - 1	TP9	L - 3		
D402	O - 7	IC404	P - 4	Q207	G - 4	Q716	E - 2	TP10	L - 2		
D403	N - 6	IC406	I - 3	Q208	F - 2	Q717	E - 2	TP11	K - 4		
D404	P - 7	IC411	J - 6	Q209	F - 2	Q718	E - 2	TP12	L - 4		
D405	P - 4	IC412	P - 3	Q210	F - 1	Q719	F - 1	TP13	L - 4		
D406	P - 4	IC413	P - 3	Q211	F - 1	Q720	F - 1	TP201	F - 7		
D407	J - 4	IC414	N - 1	Q212	G - 1	Q813	C - 3	TP203	F - 8		
D408	O - 2	IC508	N - 4	Q213	G - 1	Q814	C - 4	TP204	F - 4		
D410	N - 1	IC509	O - 3	Q214	G - 2	Q815	C - 4	TP205	G - 4		
D601	B - 4	IC510	O - 4	Q218	I - 2	Q816	D - 3	TP206	I - 2		
D602	B - 4	IC602	B - 8	Q219	H - 3	Q817	B - 2	TP207	H - 5		
D701	D - 7	IC603	B - 8	Q220	I - 3	Q818	B - 2	TP208	G - 4		
D702	C - 6	IC608	B - 6	Q221	H - 3	Q819	A - 3	TP210	H - 2		
D703	C - 6	IC611	A - 6	Q222	H - 4	Q1001	K - 1	TP211	G - 4		
D704	B - 2	IC612	C - 5	Q223	H - 4	Q1002	O - 3	TP212	F - 4		
D706	C - 1	IC615	B - 5	Q224	H - 5			TP213	G - 4		
D1002	P - 6	IC701	C - 5	Q225	I - 5	RV1	J - 4	TP214	H - 4		
D1003	P - 6	IC702	C - 5	Q226	H - 5	RV4	L - 2	TP401	P - 7		
D1004	P - 6	IC703	M - 7	Q227	I - 5	RV5	K - 3	TP402	N - 8		
D1005	P - 6	IC706	D - 5	Q228	H - 5	RV6	K - 3	TP403	O - 6		
D1006	F - 2	IC707	D - 4	Q229	H - 7	RV7	L - 4	TP404	P - 6		
D1007	F - 2	IC714	B - 1	Q230	H - 7	RV8	K - 8	TP408	O - 9		
D1008	F - 2	IC715	B - 3	Q231	H - 7	RV10	L - 1	TP409	P - 8		
D1009	B - 2	IC716	E - 2	Q232	G - 8	RV11	M - 1	TP410	P - 1		
D1010	C - 2	IC717	C - 2	Q233	G - 8	RV12	L - 1	TP411	P - 6		
		IC810	C - 2	Q236	G - 1	RV202	K - 1	TP415	N - 8		
DL401	P - 5	IC811	C - 2	Q239	G - 7	RV204	I - 2	TP506	O - 3		
DL402	P - 5	IC812	C - 2	Q240	F - 8	RV205	G - 3	TP507	M - 6		
DL503	M - 4			Q241	G - 8	RV206	G - 4	TP601	B - 8		
DL601	A - 4	LV1	K - 3	Q242	F - 8	RV207	H - 4	TP605	A - 9		
DL701	E - 5	LV201	G - 3	Q243	I - 2	RV208	F - 8	TP606	A - 6		
DL702	D - 8	LV401	O - 8	Q244	H - 1	RV209	E - 8	TP607	A - 7		
DL802	C - 3	LV402	P - 8	Q245	H - 1	RV211	H - 2	TP702	B - 8		
		LV701	D - 8	Q246	H - 1	RV212	H - 1	TP703	C - 5		
E1	K - 7	LV702	E - 8	Q247	H - 1	RV401	O - 8	TP708	D - 6		
E2	J - 2			Q248	H - 2	RV402	O - 8	TP709	D - 7		
E3	M - 4	Q1	K - 8	Q401	P - 8	RV403	O - 6	TP710	E - 6		
E201	F - 7	Q5	K - 7	Q402	P - 8	RV404	P - 7	TP711	B - 5		
E202	G - 2	Q6	J - 5	Q403	P - 7	RV405	P - 7	TP712	A - 1		
E203	I - 2	Q7	K - 4	Q404	N - 7	RV406	P - 5	TP715	C - 8		
E204	I - 4	Q8	J - 2	Q405	N - 6	RV408	N - 3	TP805	D - 3		
E409	P - 7	Q9	J - 2	Q406	N - 6	RV409	N - 3	TP807	C - 5		
E410	N - 6	Q10	J - 1	Q407	O - 6	RV410	O - 3				
E414	M - 9	Q11	J - 1	Q408	P - 8	RV415	O - 2				
E713	E - 7	Q12	K - 1	Q409	P - 6	RV416	N - 1				
E715	D - 3	Q13	K - 1	Q410	P - 6	RV511	N - 4				
		Q14	K - 2	Q411	P - 4	RV512	N - 4				
FL401	O - 1	Q18	M - 2	Q412	J - 4	RV513	O - 4				



DU-73 -SOLDERING SIDE-
1-611-672-12
BVW-40
BVW-40P

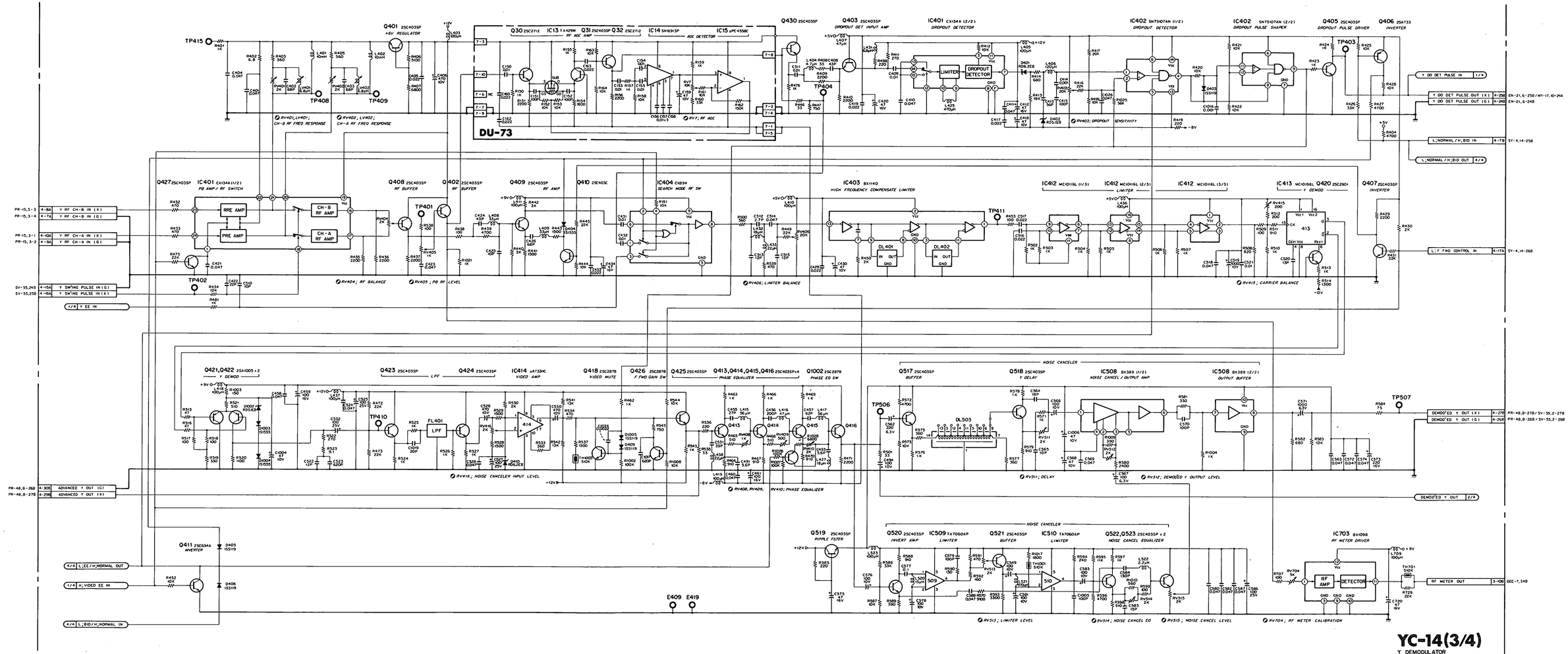
1A-30A---COMPONENT SIDE
1B-30B---SOLDERING SIDE

YC-14 -SOLDERING SIDE-
1-611-519-13,14
BVW-40

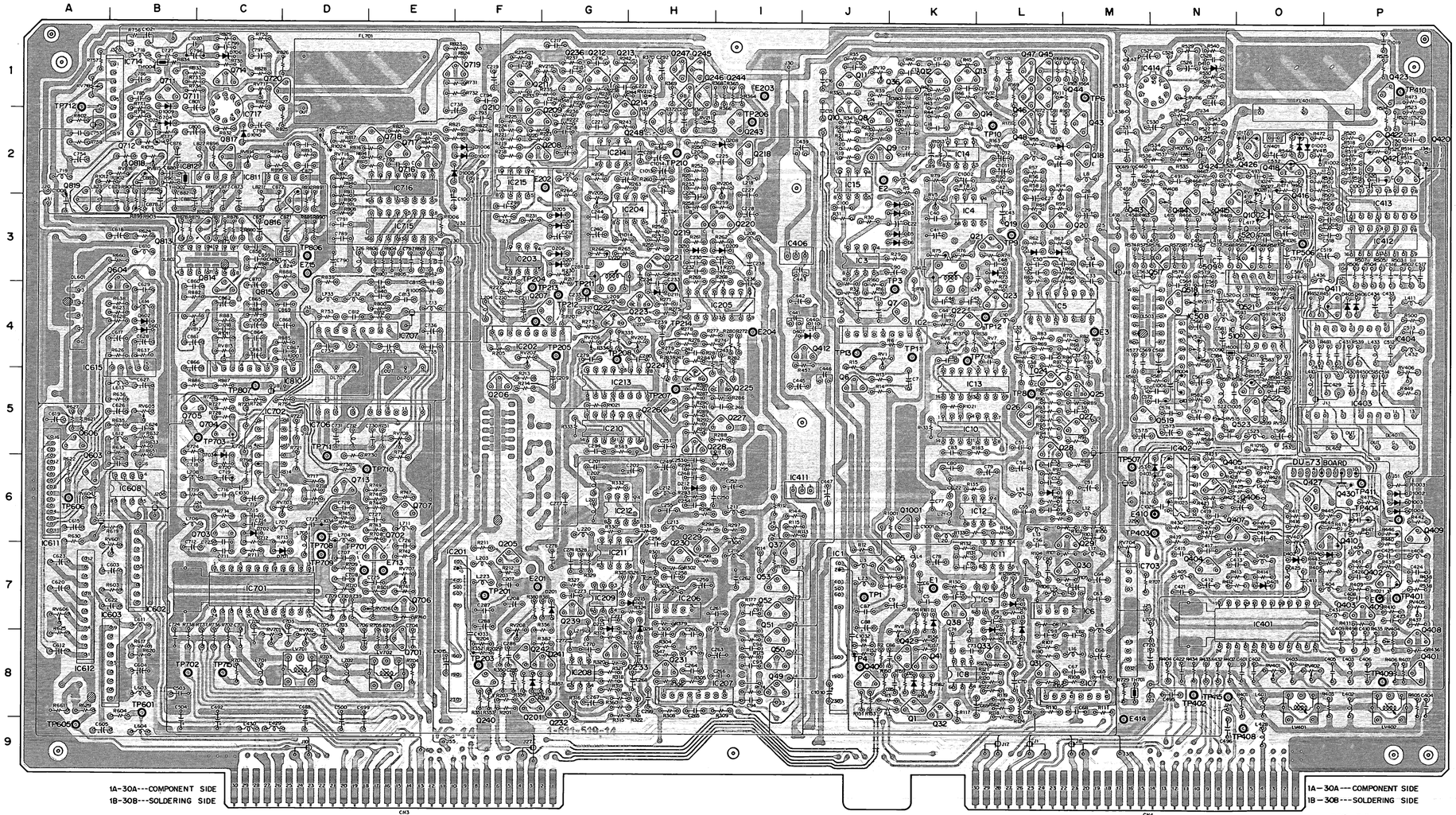
18-58 (b)

YC-14 (3/4) (Y DEMODULATOR)

S/N 10846 AND LATER (UC)
S/N 10296 AND LATER (J)



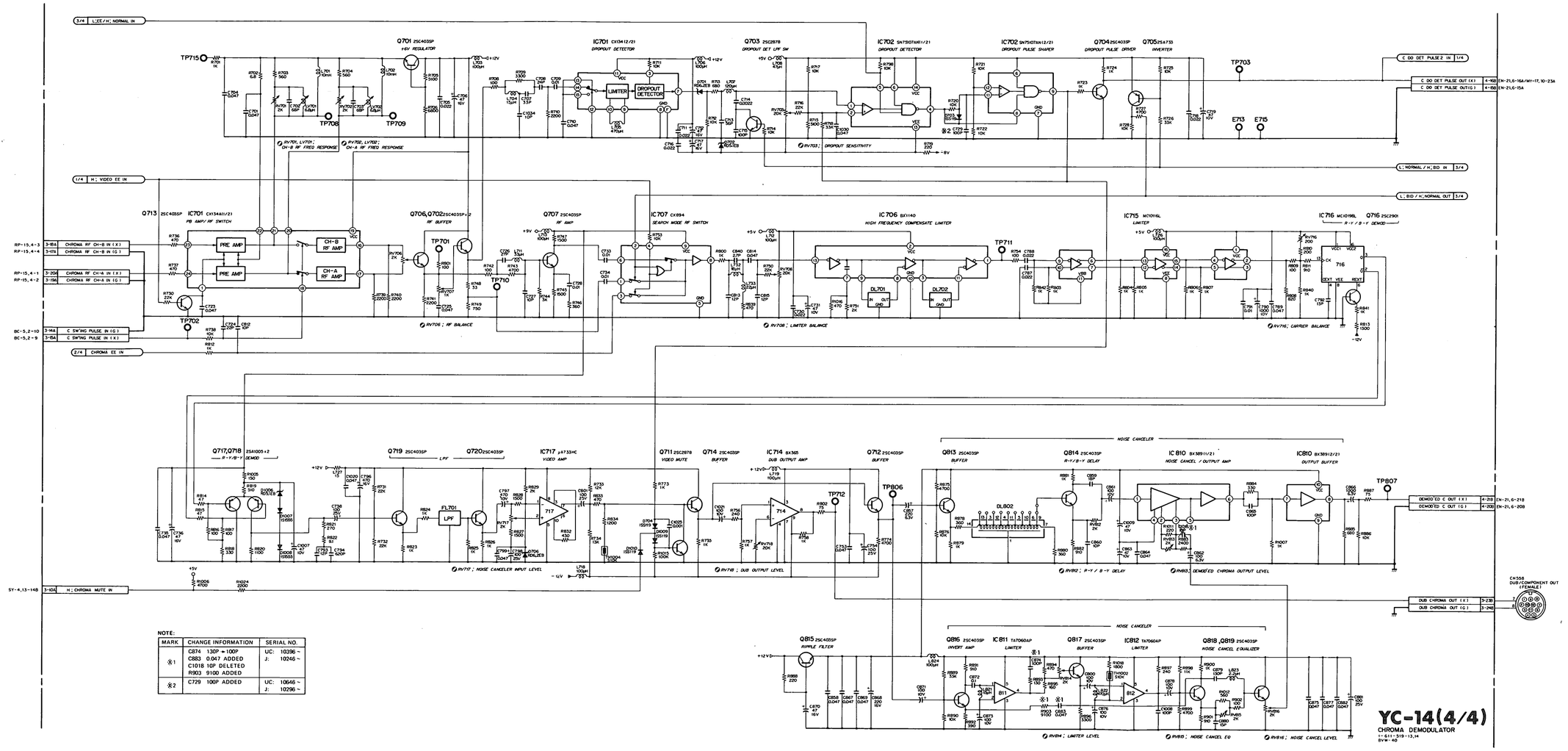
YC-14 (Y/C MODULATOR AND DEMODULATOR)



CN3	E - 9	FL701	D - 1	Q19	L - 3	Q413	M - 3	RV514	O - 5
CN4	M - 9	IC1	J - 7	Q20	M - 3	Q414	N - 3	RV515	N - 5
CN401	O - 2	IC2	J - 4	Q21	L - 3	Q415	N - 3	RV601	B - 7
CN402	O - 3	IC3	J - 3	Q22	K - 4	Q416	O - 3	RV604	A - 6
CN801	D - 3	IC4	K - 3	Q23	L - 4	Q418	O - 2	RV605	B - 5
		IC5	M - 4	Q24	L - 5	Q420	P - 2	RV606	A - 7
D1	K - 7	IC6	M - 7	Q25	M - 5	Q421	P - 2	RV701	C - 8
D2	K - 8	IC7	M - 8	Q26	L - 5	Q422	P - 2	RV702	D - 8
D3	K - 3	IC9	L - 7	Q27	M - 5	Q423	P - 1	RV703	C - 6
D4	K - 2	IC10	K - 5	Q28	M - 5	Q424	N - 2	RV704	M - 7
D5	K - 3	IC11	L - 5	Q29	M - 7	Q425	N - 2	RV706	E - 7
D6	K - 3	IC12	L - 6	Q30	M - 7	Q426	O - 2	RV707	E - 7
D7	L - 8	IC13	K - 5	Q31	L - 8	Q427	O - 2	RV708	E - 5
D8	M - 3	IC14	K - 5	Q32	K - 8	Q430	P - 6	RV716	D - 2
D9	L - 3	IC15	J - 2	Q33	L - 8	Q517	N - 3	RV717	C - 1
D10	L - 3	IC201	F - 7	Q36	K - 1	Q518	N - 4	RV718	A - 1
D11	L - 6	IC202	F - 4	Q37	I - 7	Q519	M - 5	RV812	B - 4
D12	L - 8	IC203	F - 3	Q38	K - 7	Q520	O - 3	RV813	C - 4
D13	L - 8	IC204	H - 3	Q39	J - 8	Q521	O - 4	RV814	C - 2
D14	L - 7	IC205	H - 4	Q40	J - 8	Q522	O - 5	RV815	B - 2
D201	G - 7	IC206	H - 7	Q41	K - 8	Q523	O - 5	RV816	B - 2
D202	F - 8	IC207	H - 8	Q42	K - 8	Q603	A - 6		
D204	G - 3	IC208	G - 8	Q43	M - 2	Q604	B - 4	TH701	M - 8
D205	G - 3	IC209	G - 7	Q44	L - 1	Q606	A - 5	TH1001	N - 1
D206	G - 3	IC210	G - 5	Q45	L - 1	Q701	E - 8	TH1002	B - 2
D207	G - 3	IC211	G - 5	Q46	L - 1	Q702	E - 2	TH1003	N - 2
D208	F - 2	IC212	G - 6	Q47	L - 1	Q703	E - 2	TH1004	B - 1
D209	I - 3	IC213	G - 6	Q48	L - 2	Q704	C - 5		
D210	H - 3	IC214	G - 2	Q49	I - 8	Q705	B - 5	TP1	J - 7
D211	H - 6	IC215	F - 2	Q50	I - 8	Q706	B - 5	TP2	K - 4
D212	H - 6	IC401	F - 7	Q51	I - 8	Q707	E - 6	TP4	J - 8
D213	G - 8	IC402	N - 6	Q52	I - 7	Q711	B - 1	TP6	M - 1
D214	H - 8	IC403	P - 5	Q53	I - 7	Q712	B - 2	TP7	L - 4
D215	H - 7	IC404	N - 4	Q54	F - 8	Q713	D - 6	TP8	L - 5
D401	O - 7	IC406	I - 3	Q205	F - 7	Q714	C - 1	TP9	L - 3
D402	N - 7	IC411	J - 6	Q206	F - 5	Q716	E - 2	TP10	K - 2
D403	N - 6	IC412	P - 3	Q207	F - 2	Q717	E - 2	TP11	K - 4
D404	P - 7	IC413	P - 3	Q208	F - 2	Q718	E - 2	TP12	L - 4
D405	P - 4	IC414	N - 1	Q209	F - 2	Q719	C - 1	TP13	L - 4
D406	P - 4	IC509	O - 3	Q210	F - 1	Q720	C - 1	TP201	F - 7
D407	J - 4	IC510	O - 4	Q211	F - 1	Q813	C - 3	TP203	F - 8
D408	O - 2	IC601	B - 4	Q212	G - 1	Q814	C - 3	TP204	F - 4
D410	N - 1	IC602	B - 4	Q213	G - 1	Q815	D - 4	TP205	G - 4
D601	B - 4	IC603	B - 8	Q214	G - 2	Q816	D - 3	TP206	I - 2
D602	B - 4	IC608	B - 6	Q218	I - 2	Q817	C - 2	TP207	H - 5
D701	D - 7	IC611	A - 6	Q219	I - 3	Q818	B - 2	TP208	G - 4
D702	C - 6	IC612	A - 7	Q220	I - 3	Q819	A - 3	TP210	H - 2
D703	C - 6	IC615	B - 5	Q221	H - 3	Q1001	K - 3	TP211	G - 4
D704	B - 2	IC701	C - 5	Q222	H - 4	Q1002	O - 3	TP212	F - 4
D705	B - 1	IC702	C - 5	Q223	H - 4			TP213	G - 4
D706	P - 6	IC703	M - 7	Q224	H - 5			TP214	H - 4
D1001	P - 6	IC706	D - 5	Q225	I - 5	RV1	J - 4	TP401	P - 7
D1003	P - 6	IC707	D - 4	Q226	H - 5	RV4	L - 2	TP402	N - 8
D1004	P - 6	IC714	B - 1	Q227	I - 5	RV5	K - 3	TP403	N - 6
D1005	O - 2	IC715	E - 3	Q228	H - 5	RV6	K - 4	TP404	P - 6
D1006	F - 2	IC716	E - 2	Q229	H - 7	RV7	L - 4	TP408	O - 9
D1007	F - 2	IC717	C - 2	Q230	H - 7	RV8	K - 8	TP409	P - 8
D1008	F - 2	IC810	C - 5	Q231	H - 8	RV10	J - 1	TP410	P - 1
D1009	B - 2	IC811	C - 2	Q232	G - 8	RV11	M - 1	TP411	P - 6
D1010	C - 2	IC812	C - 2	Q233	G - 8	RV12	L - 1	TP415	N - 8
				Q236	G - 8	RV202	F - 4	TP506	O - 3
DL401	P - 5	LV1	K - 3	Q239	G - 7	RV204	I - 2	TP507	M - 5
DL402	P - 5	LV201	G - 3	Q240	F - 8	RV205	G - 3	TP601	B - 8
DL503	M - 4	LV401	O - 8	Q241	G - 8	RV206	G - 4	TP605	A - 9
DL601	A - 4	LV402	P - 8	Q242	F - 8	RV207	H - 4	TP606	A - 5
DL701	E - 5	LV701	P - 8	Q243	I - 2	RV208	F - 8	TP701	D - 7
DL702	D - 5	LV702	E - 8	Q244	H - 1	RV210	G - 1	TP702	B - 8
DL802	C - 3			Q245	H - 1	RV211	I - 2	TP708	A - 5
		Q1	K - 8	Q246	H - 1	RV212	I - 2	TP709	D - 6
E1	K - 7	Q5	K - 7	Q247	H - 2	RV401	O - 8	TP711	D - 5
E2	J - 2	Q6	J - 5	Q248	G - 2	RV402	O - 8	TP712	A - 1
E3	O - 4	Q7	K - 4	Q401	P - 7	RV403	O - 8	TP715	C - 8
E201	F - 7	Q8	J - 2	Q402	P - 7	RV404	P - 8	TP806	D - 3
E202	G - 2	Q9	J - 2	Q403	P - 7	RV405	P - 5	TP807	C - 5
E203	I - 1	Q10	J - 1	Q404	N - 7	RV406	P - 5		
E204	I - 4	Q11	J - 1	Q405	N - 6	RV408	N - 3		
E409	P - 7	Q12	K - 1	Q406	N - 6	RV409	O - 3		
E410	N - 6	Q13	K - 1	Q407	O - 6	RV410	O - 3		
E414	M - 9	Q14	K - 2	Q408	P - 8	RV415	O - 2		
E713	E - 7	Q18	M - 2	Q409	P - 6	RV416	N - 1		
E715	D - 3			Q410	P - 6	RV511	N - 4		
				Q411	P - 4	RV512	N - 4		
FL401	O - 1			Q412	J - 4	RV513	O - 4		

YC-14 -SOLDERING SIDE-

YC-14 (4/4) (CHROMA DEMODULATOR)

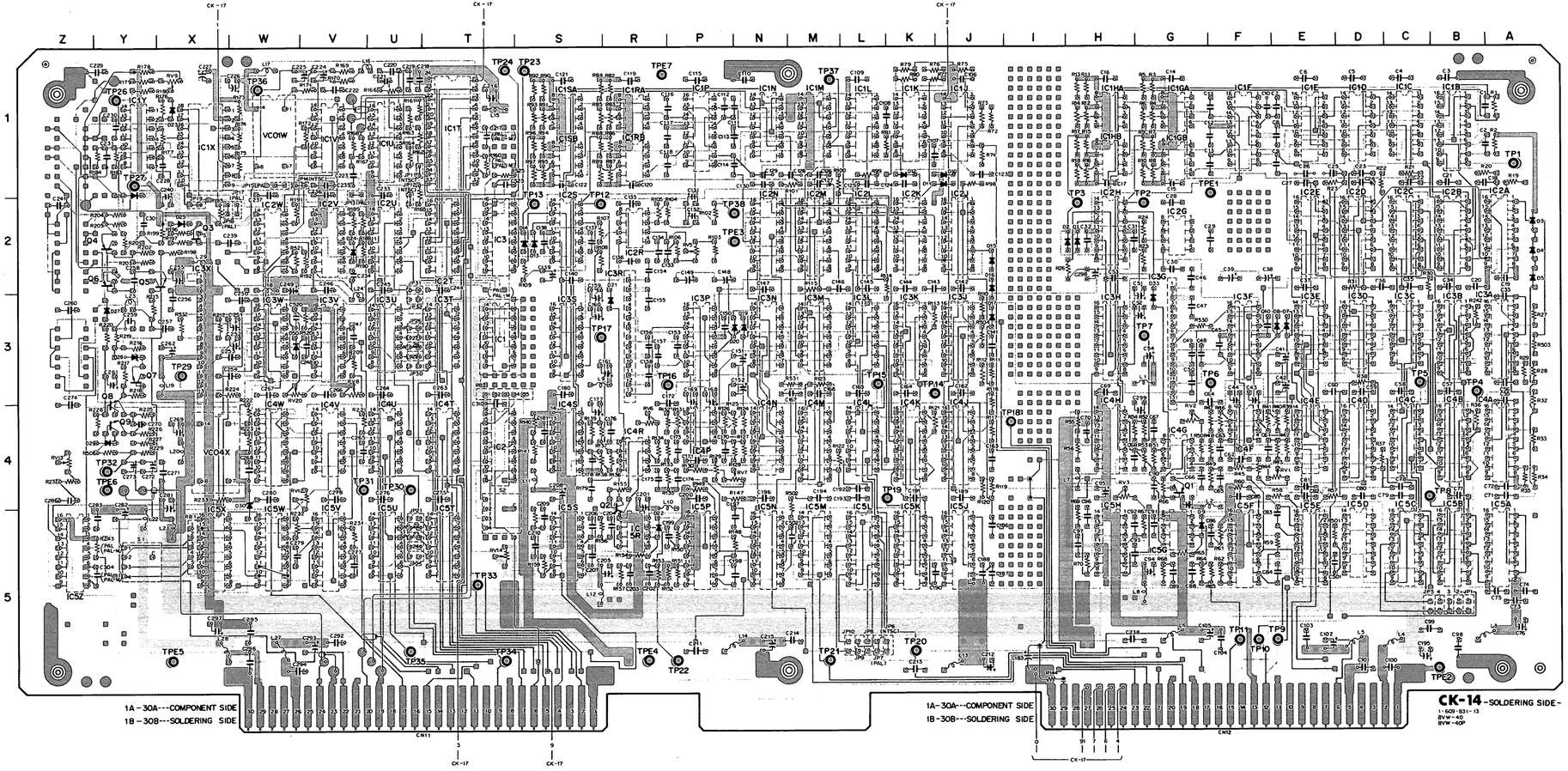


NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
※1	C874 130P → 100P C883 0.047 ADDED C1018 10P DELETED R903 9100 ADDED	UC: 10396 ~ J: 10246 ~
※2	C729 100P ADDED	UC: 10646 ~ J: 10296 ~

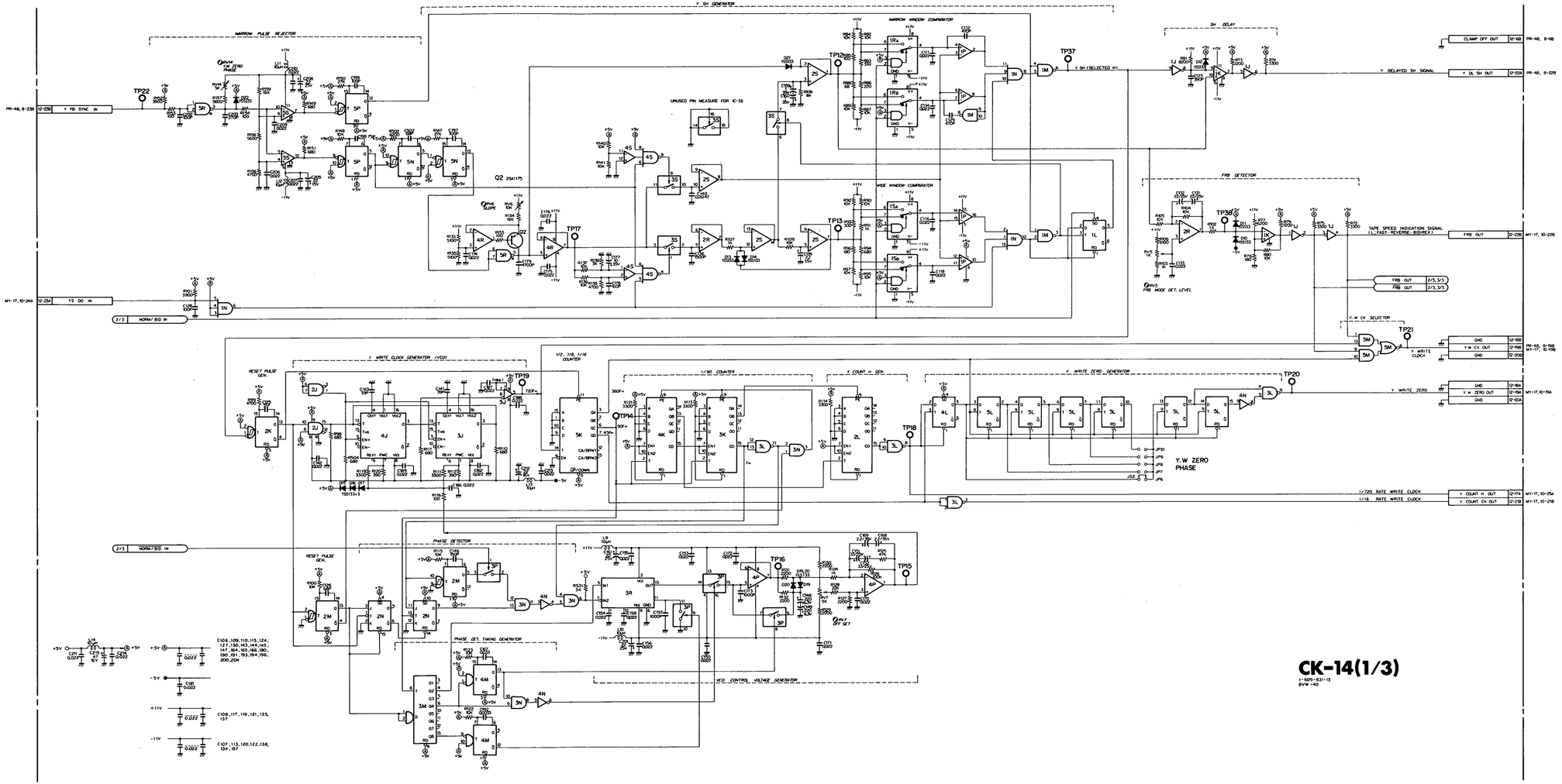
CK-14 (VIDEO TBC)

Ref. No.	Type	Pin No. −11V	−5V	GND	+5V	+11V
IC 1	SN74LS74AN			7	14	
IC 1B	SN74LS42N			8	16	
IC 1C	SN74LS74AN			7	14	
IC 1D	SN74LS00N			7	14	
IC 1E	SN74LS11N			7	14	
IC 1F	HA1 - 4966 - 5	5		9	1	13
IC 1GA	TL601CP	5		1		8
IC 1GB	TL601CP	5		1		8
IC 1HA	TL601CP	5		1		8
IC 1HB	TL601CP	5		1		8
IC 1J	SN7406N			7	14	
IC 1K	μ PC319C	6		3, 8		11
IC 1L	SN74LS74AN		7	14		
IC 1M	SN74LS00N			7	14	
IC 1N	SN74LS11N			7	14	
IC 1P	HA1 - 4966 - 5	5		9	1	13
IC 1RA	TL601CP	5		1		8
IC 1RB	TL601CP	5		1		8
IC 1SA	TL601CP	5		1		8
IC 1SB	TL601CP	5		1		8
IC 1T	CX773A			12	24	
IC 1U	HD10125		8	16	9	
IC 1V	SN74LS00N			7	14	
IC 1X	CX7903				2	
IC 1Y	μ PC319C	6		3, 8		11
IC 2						
IC 2A	HD10124		8	16	9	
IC 2B	SN74LS221N			8	16	
IC 2C	SN74LS163AN			8	16	
IC 2D	SN74LS221N			8	16	
IC 2E	SN74LS112AN			8	16	
IC 2G	TL082CP	4				8
IC 2H	TL084CN	11				4
IC 2J	HD10124		8	16	9	
IC 2K	SN74LS221N			8	16	
IC 2L	SN74LS163AN			8	16	
IC 2M	SN74LS221N			8	16	
IC 2N	SN74LS112AN			8	16	
IC 2R	TL082CP	4				8
IC 2S	TL084CN	11				4
IC 2T	SN74365AN			8	16	
IC 2U	SN7404N			7	14	
IC 2V	SN75207BN		13	7	14	
IC 2W	SN7406N			7	14	
IC 3	SN74LS123N			8	16	
IC 3A	MC10198L		8	1, 16		
IC 3B	SN74LS163AN			8	16	
IC 3C	SN7400N			7	14	
IC 3D	SN74LS164N			7	14	
IC 3E	SN74LS86N			7	14	
IC 3F	HI1 - 201 - 5	4		5		13
IC 3G	BX381	9		6		2
IC 3H	HI1 - 201 - 5	4		5		13
IC 3J	MC10198L		8	1, 16		
IC 3K	SN74LS163AN			8	16	
IC 3L	SN7400N			7	14	
IC 3M	SN74LS164N			7	14	
IC 3N	SN74LS08N			7	14	
IC 3P	HI1 - 201 - 5	4		5		13
IC 3R	BX381	9		6		2
IC 3S	HI1 - 201 - 5	4		5		13
IC 3T	SN74LS164N			7	14	
IC 3U	SN74LS164N			7	14	
IC 3V	SN74LS221N			8	16	
IC 3W	SN7486N			8	16	
IC 3X	BX381	9		6		2
IC 4A	MC10198L		8	1, 16		
IC 4B	SN74S163N			8	16	
IC 4C	SN74LS74AN			7	14	
IC 4D	SN74LS123N			8	16	
IC 4E	SN74LS04N			7	14	
IC 4F	μ PC557C	4				8
IC 4G	NJM4560D	4				8
IC 4H	SN75207BN		13	7	14	
IC 4J	MC10198L		8	1, 16		
IC 4K	SN74S163N			8	16	
IC 4L	SN74LS74AN			7	14	
IC 4M	SN74LS123N			8	16	
IC 4N	SN74LS04N			7	14	
IC 4P	μ PC557C	4				8
IC 4R	NJM4560D	4				8
IC 4S	SN75207BN		13	7	14	
IC 4T	SN74LS164N			7	14	
IC 4U	SN74LS00N			7	14	
IC 4V	SN7404N			7	14	
IC 4W	SN74LS163AN			8	16	
IC 5A	HD10125		8	16	9	
IC 5B	SN74191N			8	16	
IC 5C	SN74LS174N			8	16	
IC 5D	SN74S51N			7	14	
IC 5E	SN74LS221N			8	16	
IC 5F	SN74LS221N			8	16	
IC 5G	SN75452BP			4	8	
IC 5H	μ PC319C	6		3, 8		11
IC 5J	HD10125		8	16	9	
IC 5K	SN74191N			8	16	
IC 5L	SN74LS174N			8	16	
IC 5M	SN74S51N			7	14	
IC 5N	SN74LS221N			8	16	
IC 5P	SN74LS221N			8	16	
IC 5R	SN75452BP			4	8	
IC 5S	μ PC319C	6		3, 8		11
IC 5T	SN74LS164N			7	14	
IC 5U	SN74S51N			7	14	
IC 5V	SN74LS221N			8	16	
IC 5W	SN74LS163AN			8	16	
IC 5X	SN74S163N			8	16	
IC 5Z	SN74LS221N			8	16	



D1	H - 2
D2	H - 2
D3	A - 2
D4	A - 2
D5	A - 2
D6	A - 2
D7	E - 3
D8	E - 3
D9	G - 5
D10	J - 1
D11	J - 1
D12	K - 1
D13	S - 2
D14	S - 2
D15	J - 2
D16	J - 2
D17	J - 3
D19	N - 3
D20	N - 3
D21	R - 3
D22	R - 5
D23	X - 1
D24	V - 2
D25	X - 2
D26	Y - 2
D27	Y - 3
D28	Y - 3
D29	Y - 4
D30	W - 4
D33	G - 3
D50	V - 3
IC1	T - 3
IC2	T - 4
IC3	T - 2
Q1	G - 4
Q2	R - 4
Q3	R - 2
Q4	Y - 2
Q5	Y - 2
Q6	Y - 2
Q7	Y - 3
Q8	Y - 3
Q9	Y - 4
RV1	E - 4
RV2	G - 4
RV3	H - 4
RV5	P - 4
RV6	R - 4
RV7	N - 4
RV8	V - 3
RV9	X - 1
RV12	W - 4
RV13	Z - 4
RV14	T - 5
RV20	V - 3
S1	Y - 5
S2	T - 5
TP1	A - 1
TP2	G - 2
TP3	J - 2
TP4	B - 3
TP5	C - 3
TP6	F - 3
TP7	G - 3
TP8	C - 4
TP9	E - 5
TP10	F - 5
TP11	F - 5
TP12	R - 2
TP13	S - 2
TP14	K - 3
TP15	L - 3
TP16	P - 3
TP17	S - 3
TP18	I - 4
TP19	K - 4
TP20	P - 5
TP21	M - 5
TP22	P - 5
TP23	S - 1
TP24	T - 1
TP26	Y - 1
TP27	Y - 1
TP29	W - 3
TP30	U - 4
TP31	V - 4
TP32	Y - 4
TP33	T - 5
TP34	S - 5
TP35	U - 5
TP36	W - 1
TP37	M - 1
TP38	N - 2
TPE1	F - 1
TPE2	B - 5
TPE3	N - 2
TPE4	R - 5
TPE5	X - 5
TPE6	Y - 4

CK-14 (1/3) (VIDEO TBC)

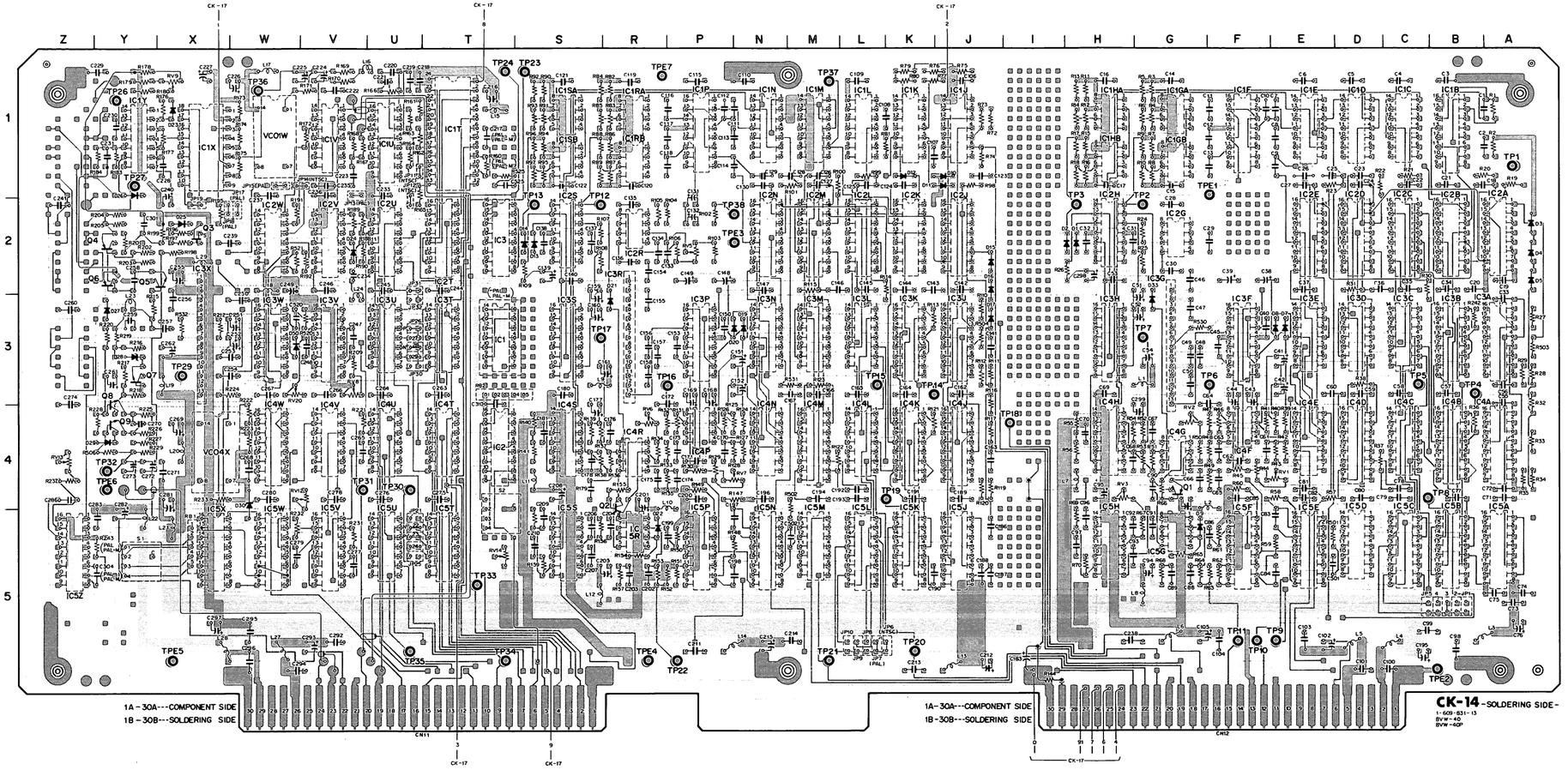


CK-14(1/3)

1-609-831-13
SVW-40

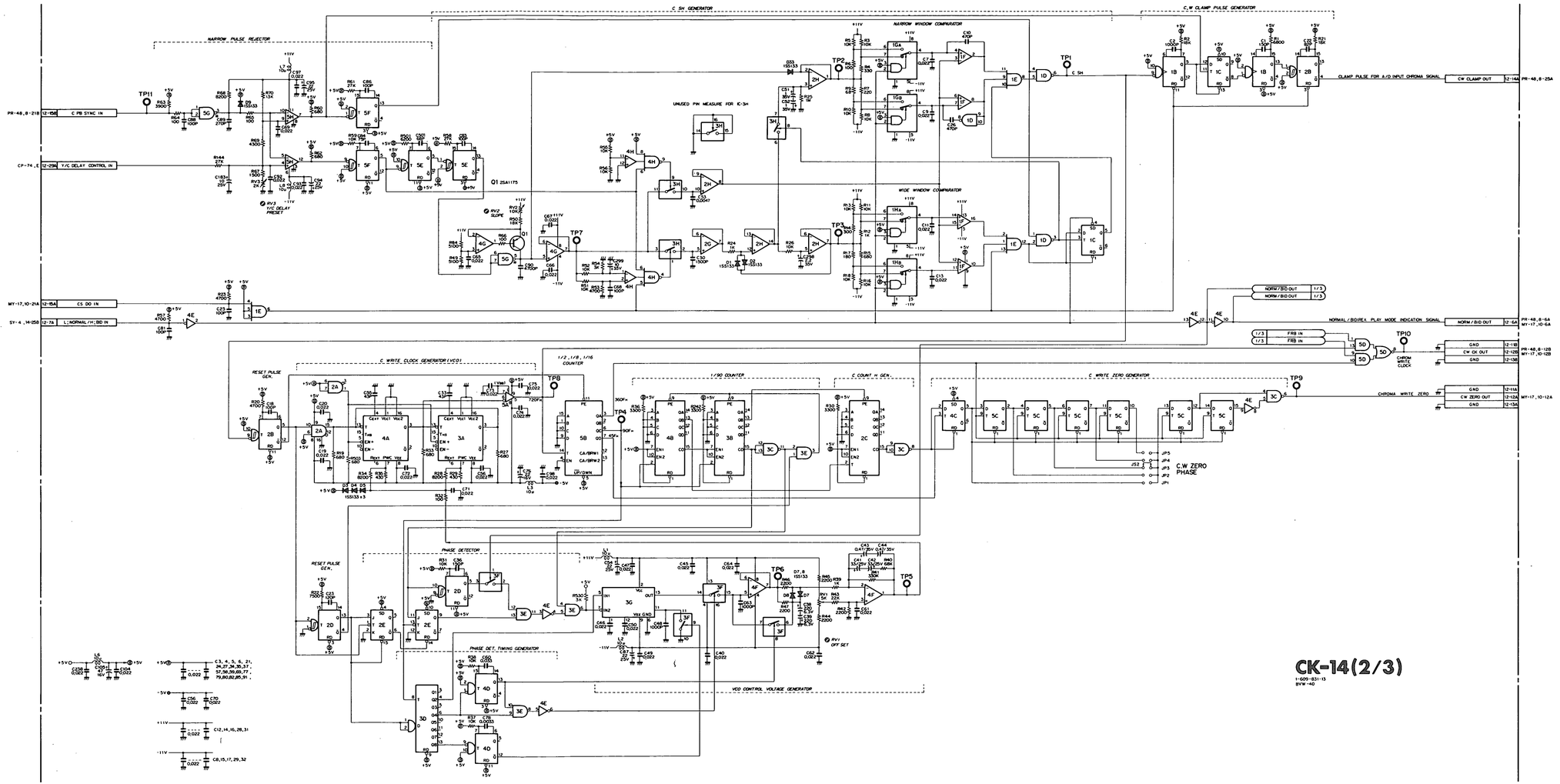
CK-14 (VIDEO TBC)

Ref. No.	Type	Pin No. −11V	−5V	GND	+5V	+11V
IC 1	SN74LS74AN			7	14	
IC 1B	SN74LS42N			8	16	
IC 1C	SN74LS74AN			7	14	
IC 1D	SN74LS00N			7	14	
IC 1E	SN74LS11N			7	14	
IC 1F	HA1 - 4905 - 5	5		9	1	13
IC 1GA	TL601CP	5		1		8
IC 1GB	TL601CP	5		1		8
IC 1HA	TL601CP	5		1		8
IC 1HB	TL601CP	5		1		8
IC 1J	SN7406N			7	14	
IC 1K	μPC319C	6		3, 8		11
IC 1L	SN74LS74AN		7	14		
IC 1M	SN74LS00N			7	14	
IC 1N	SN74LS11N			7	14	
IC 1P	HA1 - 4905 - 5	5		9	1	13
IC 1RA	TL601CP	5		1		8
IC 1RB	TL601CP	5		1		8
IC 1SA	TL601CP	5		1		8
IC 1SB	TL601CP	5		1		8
IC 1T	CX773A			12	24	
IC 1C	HD10125		8	16	9	
IC 1V	SN74LS00N			7	14	
IC 1X	CX7903				2	
IC 1Y	μPC319C	6		3, 8		11
IC 2						
IC 2A	HD10124		8	16	9	
IC 2B	SN74LS221N			8	16	
IC 2C	SN74LS163AN			8	16	
IC 2D	SN74LS221N			8	16	
IC 2E	SN74LS112AN			8	16	
IC 2G	TL082CP	4				8
IC 2H	TL084CN	11				4
IC 2J	HD10124		8	16	9	
IC 2K	SN74LS02AN			8	16	
IC 2L	SN74LS163AN			8	16	
IC 2M	SN74LS221N			8	16	
IC 2N	SN74LS112AN			8	16	
IC 2R	TL082CP	4				8
IC 2S	TL084CN	11				4
IC 2T	SN74365AN			8	16	
IC 2U	SN7404N			7	14	
IC 2V	SN75207BN		13	7	14	
IC 2W	SN7406N			7	14	
IC 3	SN74LS123N			8	16	
IC 3A	MC10198L		8	1, 16		
IC 3B	SN74LS163AN			8	16	
IC 3C	SN7400N			7	14	
IC 3D	SN74LS164N			7	14	
IC 3E	SN74LS08N			7	14	
IC 3F	HII - 201 - 5	4		5		13
IC 3G	BX381	9		6		2
IC 3H	HII - 201 - 5	4		5		13
IC 3J	MC10198L		8	1, 16		
IC 3K	SN74LS163AN			8	16	
IC 3L	SN7400N			7	14	
IC 3M	SN74LS164N			7	14	
IC 3N	SN74LS08N			7	14	
IC 3P	HII - 201 - 5	4		5		13
IC 3R	BX381	9		6		2
IC 3S	HII - 201 - 5	4		5		13
IC 3T	SN74LS164N			7	14	
IC 3U	SN74LS164N			7	14	
IC 3V	SN74LS221N			8	16	
IC 3W	SN7426N			8	16	
IC 3X	BX381	9		6		2
IC 4A	MC10198L		8	1, 16		
IC 4B	SN74LS63N			8	16	
IC 4C	SN74LS74AN			7	14	
IC 4D	SN74LS123N			8	16	
IC 4E	SN74LS04N			7	14	
IC 4F	μPC4557C	4				8
IC 4G	NJM4560D	4				8
IC 4H	SN75207BN		13	7	14	
IC 4J	MC10198L		8	1, 16		
IC 4K	SN74LS63N			8	16	
IC 4L	SN74LS74AN			7	14	
IC 4M	SN74LS123N			8	16	
IC 4N	SN74LS04N			7	14	
IC 4P	μPC4557C	4				8
IC 4R	NJM4560D	4				8
IC 4S	SN75207BN		13	7	14	
IC 4T	SN74LS164N			7	14	
IC 4U	SN74LS00N			7	14	
IC 4V	SN7404N			7	14	
IC 4W	SN74LS163AN			8	16	
IC 5A	HD10125		8	16	9	
IC 5B	SN74191N			8	16	
IC 5C	SN74LS174N			8	16	
IC 5D	SN74S51N			7	14	
IC 5E	SN74LS221N			8	16	
IC 5F	SN74LS221N			8	16	
IC 5G	SN75452BP			4	8	
IC 5H	μPC319C	6		3, 8		11
IC 5J	HD10125		8	16	9	
IC 5K	SN74191N			8	16	
IC 5L	SN74LS174N			8	16	
IC 5M	SN74S51N			7	14	
IC 5N	SN74LS221N			8	16	
IC 5P	SN74LS221N			8	16	
IC 5R	SN75452BP			4	8	
IC 5S	μPC319C	6		3, 8		11
IC 5T	SN74LS164N			7	14	
IC 5U	SN74S51N			7	14	
IC 5V	SN74LS221N			8	16	
IC 5W	SN74LS163AN			8	16	
IC 5X	SN74S183N			8	16	
IC 5Z	SN74LS221N			8	16	



D1	H - 2
D2	H - 2
D3	A - 2
D4	A - 2
D5	A - 2
D7	E - 3
D8	E - 3
D9	G - 5
D10	J - 1
D11	K - 1
D12	K - 1
D13	S - 2
D14	S - 2
D15	J - 2
D16	J - 2
D17	J - 3
D19	N - 3
D20	N - 3
D21	R - 3
D22	R - 5
D23	X - 1
D24	V - 2
D25	X - 2
D26	Y - 2
D27	Y - 3
D28	V - 3
D29	V - 4
D30	W - 4
D33	G - 3
D50	V - 3
IC1	T - 3
IC2	T - 4
IC3	T - 2
Q1	G - 4
Q2	R - 4
Q3	X - 2
Q4	Y - 2
Q5	Y - 2
Q6	Z - 2
Q7	V - 3
Q8	V - 3
Q9	Y - 4
RV1	E - 4
RV2	G - 4
RV3	H - 4
RV5	P - 2
RV6	K - 4
RV7	N - 4
RV8	V - 3
RV9	V - 1
RV12	W - 4
RV13	Z - 4
RV14	T - 5
RV20	V - 3
S1	Y - 5
S2	T - 5
TP1	A - 1
TP2	G - 2
TP3	H - 2
TP4	H - 3
TP5	C - 3
TP6	F - 3
TP7	G - 3
TP8	C - 4
TP9	E - 5
TP10	F - 5
TP11	F - 5
TP12	P - 2
TP13	S - 2
TP14	K - 3
TP15	L - 3
TP16	P - 3
TP17	S - 3
TP18	I - 4
TP19	K - 4
TP20	K - 5
TP21	M - 5
TP22	P - 5
TP23	S - 1
TP24	T - 1
TP26	Y - 1
TP27	Y - 1
TP29	W - 3
TP30	U - 4
TP31	Y - 4
TP32	Y - 4
TP33	T - 5
TP34	T - 5
TP35	U - 5
TP36	W - 1
TP37	M - 1
TP38	N - 2
TPE1	F - 1
TPE2	B - 5
TPE3	N - 2
TPE4	R - 5
TPE5	X - 5
TPE6	Y - 4

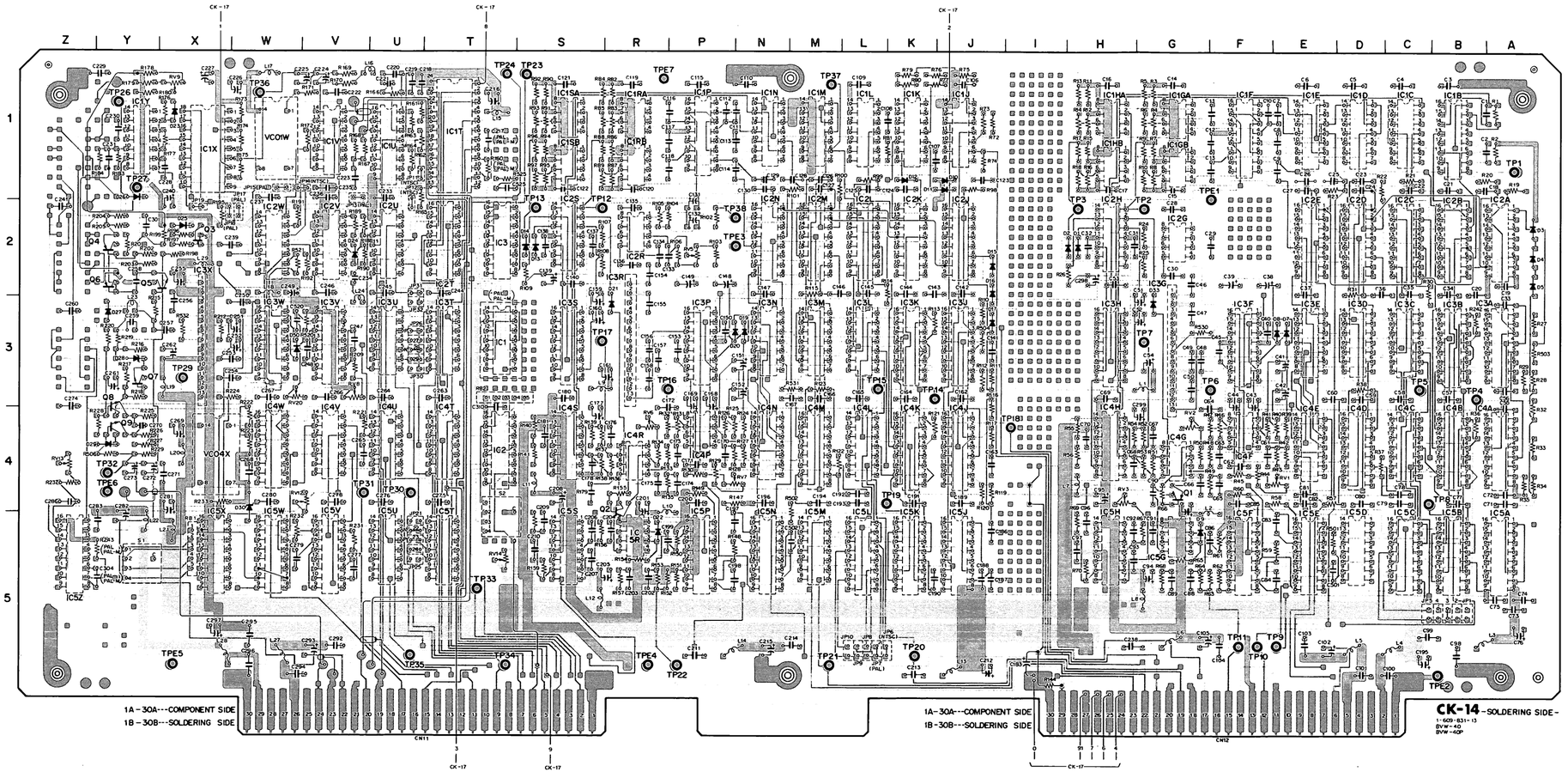
CK-14 (2/3) (VIDEO TBC)

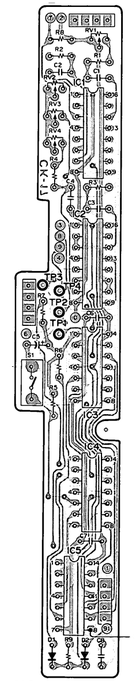


CK-14, CK-17 CK-14, CK-17

CK-14 (VIDEO TBC)
CK-17

Ref. No.	Type	Pin No. −11V	−5V	GND	+5V	+11V
IC 1	SN74LS74AN			7	14	
IC 1B	SN74LS42N			8	16	
IC 1C	SN74LS74AN			7	14	
IC 1D	SN74LS00N			7	14	
IC 1E	SN74LS11N			7	14	
IC 1F	HA1-4905-5	5		9	1	13
IC 1GA	TL601CP	5		1		8
IC 1GB	TL601CP	5		1		8
IC 1HA	TL601CP	5		1		8
IC 1HB	TL601CP	5		1		8
IC 1J	SN7406N			7	14	
IC 1K	μPC319C	6		3, 8		11
IC 1L	SN74LS74AN		7	14		
IC 1M	SN74LS00N			7	14	
IC 1N	SN74LS11N			7	14	
IC 1P	HA1-4905-5	5		9	1	13
IC 1RA	TL601CP	5		1		8
IC 1RB	TL601CP	5		1		8
IC 1SA	TL601CP	5		1		8
IC 1SB	TL601CP	5		1		8
IC 1T	CX773A			12	24	
IC 1U	HD10105		8	16	9	
IC 1V	SN74LS00N			7	14	
IC 1X	CX7903				2	
IC 1Y	μPC319C	6		3, 8		11
IC 2						
IC 2A	HD10124		8	16	9	
IC 2B	SN74LS221N			8	16	
IC 2C	SN74LS163AN			8	16	
IC 2D	SN74LS221N			8	16	
IC 2E	SN74LS112AN			8	16	
IC 2G	TL082CP	4				8
IC 2H	TL084CN	11				4
IC 2J	HD10124		8	16	9	
IC 2K	SN74LS221N			8	16	
IC 2L	SN74LS163AN			8	16	
IC 2M	SN74LS221N			8	16	
IC 2N	SN74LS112AN			8	16	
IC 2R	TL082CP	4				8
IC 2S	TL084CN	11				4
IC 2T	SN74365AN			8	16	
IC 2U	SN7404N			7	14	
IC 2V	SN75207BN		13	7	14	
IC 2W	SN7405N			7	14	
IC 3	SN74LS123N			8	16	
IC 3A	MC10198L		8	1, 16		
IC 3B	SN74LS163AN			8	16	
IC 3C	SN7400N			7	14	
IC 3D	SN74LS164N			7	14	
IC 3E	SN74LS08N			7	14	
IC 3F	HH-201-5	4		5	6	13
IC 3G	BX381	9		6	5	2
IC 3H	HH-201-5	4		5	6	13
IC 3J	MC10198L		8	1, 16		
IC 3K	SN74LS163AN			8	16	
IC 3L	SN7400N			7	14	
IC 3M	SN74LS164N			7	14	
IC 3N	SN74LS08N			7	14	
IC 3P	HH-201-5	4		5	6	13
IC 3R	BX381	9		6	5	2
IC 3S	HH-201-5	4		5	6	13
IC 3T	SN74LS164N			7	14	
IC 3U	SN74LS164N			7	14	
IC 3W	SN74LS221N			8	16	
IC 3X	SN7406N			7	14	
IC 3Y	BX381	9		6	5	2
IC 4A	MC10198L		8	1, 16		
IC 4B	SN74S163N			8	16	
IC 4C	SN74LS74AN			7	14	
IC 4D	SN74LS123N			8	16	
IC 4E	SN74LS04N			7	14	
IC 4F	μPC455C	4				8
IC 4G	NJM4560D	4				8
IC 4H	SN75207BN		13	7	14	
IC 4J	MC10198L		8	1, 16		
IC 4K	SN74S163N			8	16	
IC 4L	SN74LS74AN			7	14	
IC 4M	SN74LS123N			8	16	
IC 4N	SN74LS04N			7	14	
IC 4P	μPC455C	4				8
IC 4R	NJM4560D	4				8
IC 4S	SN75207BN		13	7	14	
IC 4T	SN74LS164N			7	14	
IC 4U	SN74LS08N			7	14	
IC 4V	SN7404N			7	14	
IC 4W	SN74LS163AN			8	16	
IC 5A	HD10125		8	16	9	
IC 5B	SN74191N			8	16	
IC 5C	SN74LS174N			8	16	
IC 5D	SN74S81N			7	14	
IC 5E	SN74LS221N			8	16	
IC 5F	SN74LS221N			8	16	
IC 5G	SN75452BP			4	8	
IC 5H	μPC319C	6		3, 8		11
IC 5J	HD10125		8	16	9	
IC 5K	SN74191N			8	16	
IC 5L	SN74LS174N			8	16	
IC 5M	SN74S81N			7	14	
IC 5N	SN74LS221N			8	16	
IC 5P	SN74LS221N			8	16	
IC 5R	SN75452BP			4	8	
IC 5S	μPC319C	6		3, 8		11
IC 5T	SN74LS164N			7	14	
IC 5U	SN74S81N			7	14	
IC 5V	SN74LS221N			8	16	
IC 5W	SN74LS163AN			8	16	
IC 5X	SN74S163N			8	16	
IC 5Z	SN74LS221N			8	16	

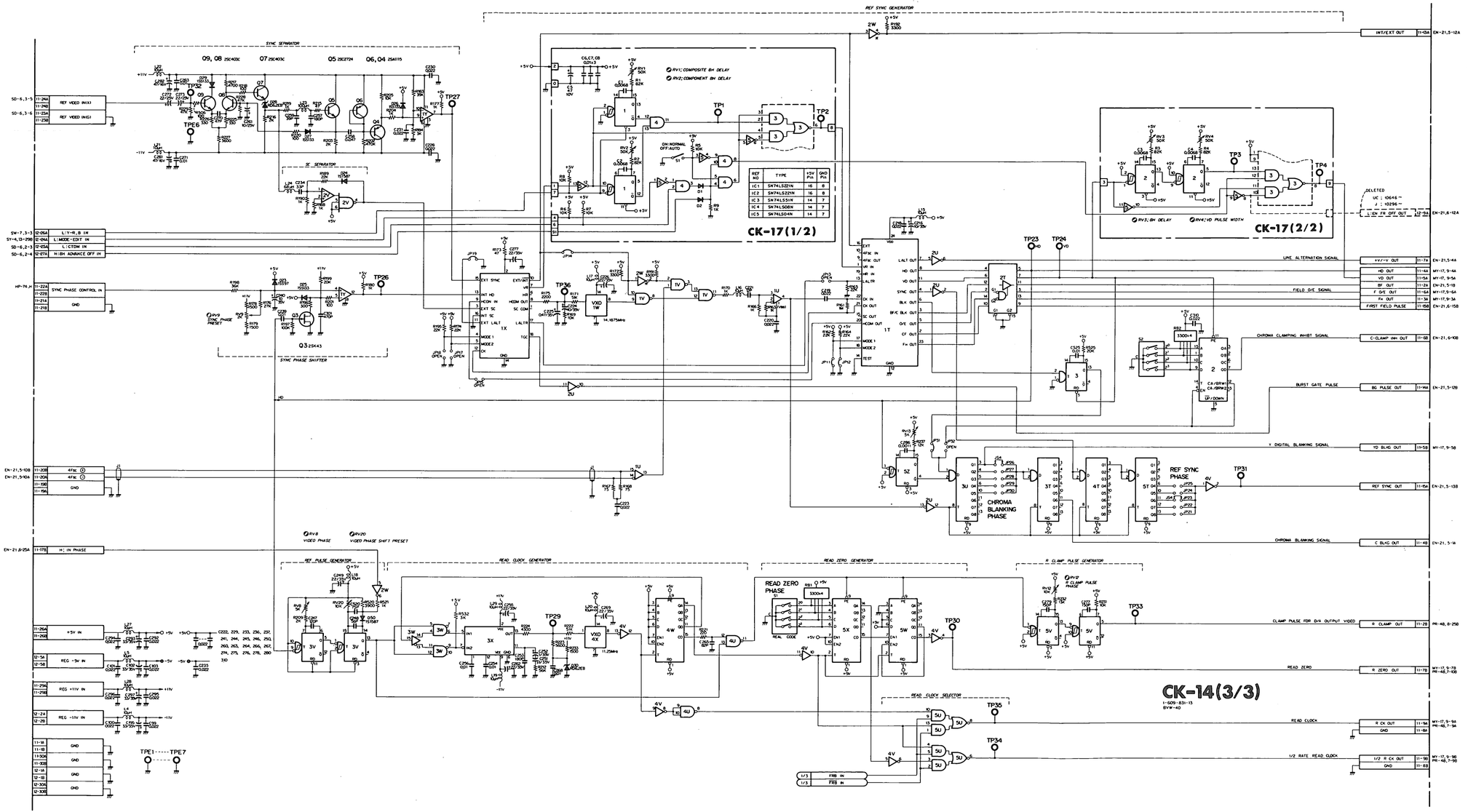




CK-17-COMPONENT SIDE-
1-612-015-12

D1	H-2	
D2	H-2	
D3	A-2	
D4	A-2	
D5	A-2	
D6	E-3	
D7	E-3	
D8	E-3	
D9	G-5	
D10	J-1	
D11	J-1	
D12	K-1	
D13	S-2	
D14	S-2	
D15	J-2	
D16	J-2	
D17	J-3	
D19	N-3	
D20	N-3	
D21	R-3	
D22	R-5	
D23	X-1	
D24	V-2	
D25	Y-2	
D26	Y-2	
D27	Y-3	
D28	Y-3	
D29	Y-4	
D30	W-4	
D33	G-3	
D50	V-3	
IC1	T-3	
IC2	T-4	
IC3	T-2	
Q1	G-4	
Q2	G-4	
Q3	X-2	
Q4	Y-2	
Q5	Y-2	
Q6	Y-2	
Q7	Y-3	
Q8	Y-3	
Q9	Y-4	
RV1	E-4	
RV2	G-4	
RV3	H-4	
RV5	N-4	
RV6	R-4	
RV7	N-4	
RV8	N-3	
RV9	X-1	
RV12	W-4	
RV13	Z-4	
RV14	T-5	
RV20	V-3	
S1	Y-5	
S2	T-5	
TP1	A-1	
TP2	H-2	
TP3	H-2	
TP4	B-3	
TP5	B-3	
TP6	F-3	
TP7	G-3	
TP8	E-4	
TP9	E-5	
TP10	F-5	
TP11	E-5	
TP12	R-2	
TP13	S-2	
TP14	R-3	
TP15	L-3	
TP16	P-3	
TP17	S-3	
TP18	I-4	
TP19	K-4	
TP20	S-5	
TP21	M-5	
TP22	P-5	
TP23	S-1	
TP24	T-1	
TP26	Y-1	
TP27	Y-1	
TP29	W-3	
TP30	U-4	
TP31	V-4	
TP32	Y-4	
TP33	T-5	
TP34	T-5	
TP35	U-5	
TP36	W-1	
TP37	M-1	
TP38	N-2	
TPE1	F-1	
TPE2	B-5	
TPE3	N-2	
TPE4	R-5	
TPE5	X-5	
TPE6	Y-4	

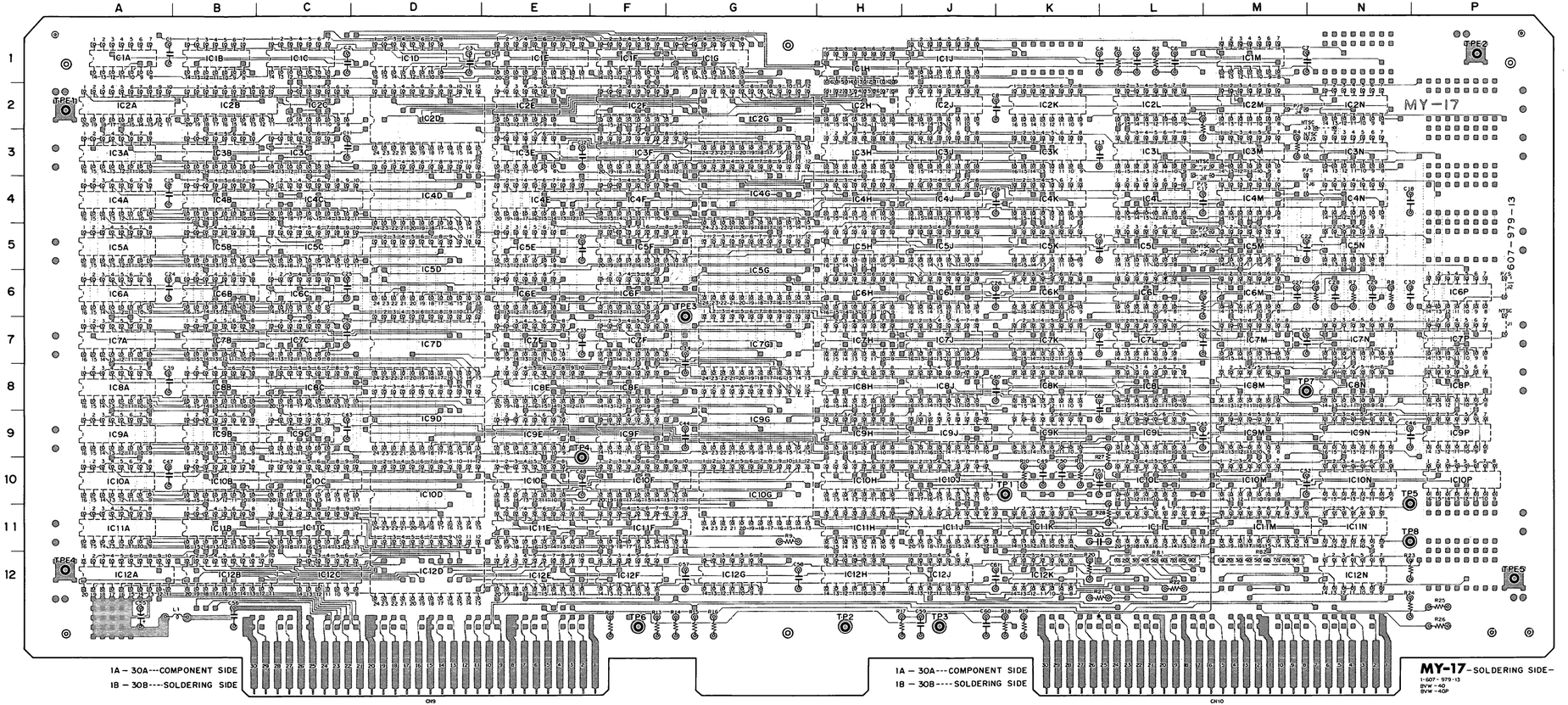
CK-14 (3/3) (VIDEO TBC)



MY-17 (VIDEO TBC)

Ref. No.	Type	Pin No. GND	Pin No. +5V
IC 1A	SN74LS164N	7	14
IC 1B	SN74LS164N	7	14
IC 1C	SN74LS164N	7	14
IC 1D	SN74LS166AN	8	16
IC 1E	SN74LS374N	10	20
IC 1F	SN74LS164N	7	14
IC 1G	SN74LS166AN	8	16
IC 1H	SN74LS161AN	8	16
IC 1J	SN74LS161AN	8	16
IC 1M	SN7408N	7	14
IC 2A	SN74LS374N	10	20
IC 2B	SN74LS374N	10	20
IC 2C	SN74LS164N	7	14
IC 2D	MSM5128-12RS	12	24
IC 2E	SN74LS164N	7	14
IC 2F	SN74LS166AN	8	16
IC 2G	MSM5128-12RS	12	24
IC 2H	SN74LS157N	8	16
IC 2J	SN74LS161AN	8	16
IC 2K	SN74LS161AN	8	16
IC 2L	SN74LS221N	8	16
IC 2M	SN74LS164N	7	14
IC 2N	SN74LS164N	7	14
IC 3A	SN74LS166AN	8	16
IC 3B	SN74LS166AN	8	16
IC 3C	SN74LS164N	7	14
IC 3E	SN74LS164N	7	14
IC 3F	SN74LS374N	10	20
IC 3H	SN74LS157N	8	16
IC 3J	SN74LS175N	8	16
IC 3K	SN74LS175N	8	16
IC 3L	SN74LS161AN	8	16
IC 3M	SN74LS74AN	7	14
IC 3N	SN74LS74AN	7	14
IC 4A	SN74LS166AN	8	16
IC 4B	SN74LS166AN	8	16
IC 4C	SN74LS374N	10	20
IC 4D	MSM5128-12RS	12	24
IC 4E	SN74LS374N	10	20
IC 4F	SN74LS166AN	8	16
IC 4G	MSM5128-12RS	12	24
IC 4H	SN74LS157N	8	16
IC 4J	SN74LS175N	8	16
IC 4K	SN74LS163AN	8	16
IC 4L	SN74LS51N	8	16
IC 4M	SN74LS30N	7	14
IC 4N	SN74LS74AN	7	14
IC 5A	SN74LS166AN	8	16
IC 5B	SN74LS166AN	8	16
IC 5C	SN74LS374N	10	20
IC 5D	MSM5128-12RS	12	24
IC 5F	SN74LS374N	10	20
IC 5G	MSM5128-12RS	12	24
IC 5H	SN74LS157N	8	16
IC 5J	SN74LS163AN	8	16
IC 5K	SN74LS85N	8	16
IC 5L	SN74LS393N	7	14
IC 5M	SN74LS04N	7	14
IC 5N	SN74LS04N	7	14
IC 6A	SN74LS166AN	8	16
IC 6B	SN74LS166AN	8	16
IC 6C	SN74LS164N	7	14
IC 6E	SN74LS164N	7	14
IC 6F	SN74LS164N	7	14
IC 6H	SN74LS161AN	8	16
IC 6J	SN74LS161AN	8	16
IC 6K	SN74LS191N	8	16
IC 6L	SN74LS00N	7	14
IC 6M	SN74LS74AN	7	14
IC 6P	SN74LS00N	7	14
IC 7A	SN74LS166AN	8	16
IC 7B	SN74LS166AN	8	16
IC 7C	SN74LS164N	7	14
IC 7D	MSM5128-12RS	12	24
IC 7E	SN74LS166AN	8	16
IC 7F	SN74LS166AN	8	16
IC 7G	MSM5128-12RS	12	24
IC 7H	SN74LS157N	8	16
IC 7J	SN74LS157N	8	16
IC 7K	SN74LS161AN	8	16
IC 7L	SN74LS08N	7	14
IC 7M	SN74LS221N	8	16
IC 7N	SN74LS123N	8	16
IC 7P	SN74LS164N	7	14

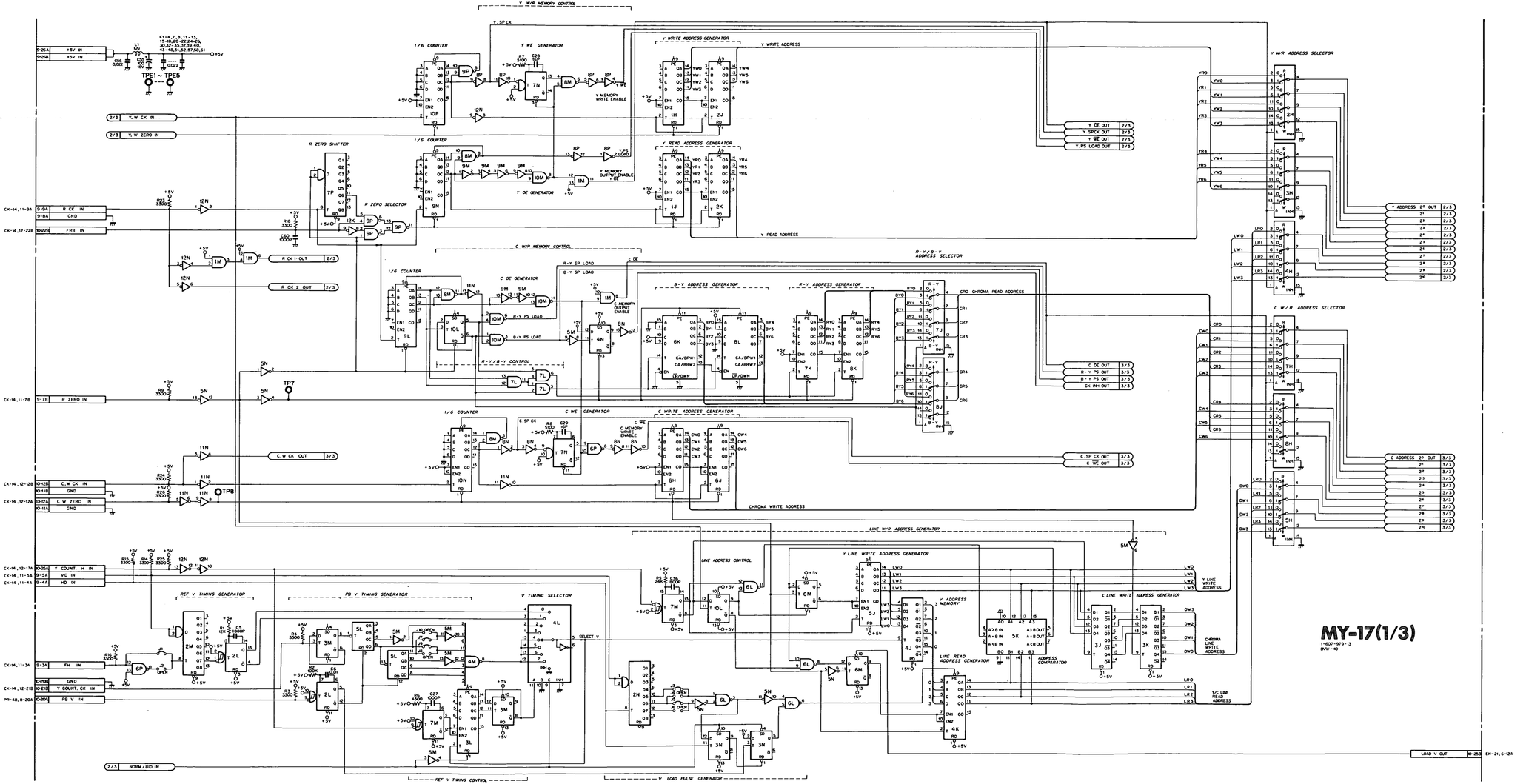
Ref. No.	Type	Pin No. GND	Pin No. +5V
IC 8A	SN74LS166AN	8	16
IC 8B	SN74LS166AN	8	16
IC 8C	SN74LS374N	10	20
IC 8E	SN74LS374N	10	20
IC 8F	SN74LS164N	7	14
IC 8H	SN74LS157N	8	16
IC 8J	SN74LS157N	8	16
IC 8K	SN74LS161AN	8	16
IC 8L	SN74LS191N	8	16
IC 8M	SN74LS00N	7	14
IC 8N	SN7404N	7	14
IC 8P	SN7404N	7	14
IC 9A	SN74LS166AN	8	16
IC 9B	SN74LS166AN	8	16
IC 9C	SN74LS164N	7	14
IC 9D	MSM5128-12RS	12	24
IC 9E	SN74LS166AN	8	16
IC 9F	SN74LS164N	7	14
IC 9G	MSM5128-12RS	12	24
IC 9H	SN74LS163AN	8	16
IC 9J	MB3021491-55	9	18
IC 9K	SN74LS123N	8	16
IC 9L	SN74LS161AN	8	16
IC 9M	SN74LS04N	7	14
IC 9N	SN74LS161AN	8	16
IC 9P	SN74LS00N	7	14
IC 10A	SN74LS166AN	8	16
IC 10B	SN74LS166AN	8	16
IC 10C	SN74LS374N	10	20
IC 10D	MSM5128-12RS	12	24
IC 10E	SN74LS166AN	8	16
IC 10F	SN74LS374N	10	20
IC 10G	MSM5128-12RS	12	24
IC 10H	SN74LS163AN	8	16
IC 10J	MB3021491-55	9	18
IC 10L	SN74LS74AN	7	14
IC 10M	SN7400N	7	14
IC 10N	SN74LS161AN	8	16
IC 10P	SN74LS161AN	8	16
IC 11A	SN74LS166AN	8	16
IC 11B	SN74LS166AN	8	16
IC 11C	SN74LS374N	10	20
IC 11E	SN74LS374N	10	20
IC 11F	SN74LS374N	10	20
IC 11H	SN74LS163AN	8	16
IC 11J	SN74LS374N	10	20
IC 11K	SN74LS02N	7	14
IC 11L	SN74LS374N	10	20
IC 11M	SN74LS374N	10	20
IC 11N	SN74LS04N	7	14
IC 12A	SN74LS374N	10	20
IC 12B	SN74LS374N	10	20
IC 12C	SN74LS164N	7	14
IC 12D	MSM5128-12RS	12	24
IC 12E	SN74273N	10	20
IC 12F	SN74LS04N	7	14
IC 12G	SN74LS164N	7	14
IC 12H	SN7404N	7	14
IC 12J	SN74LS74AN	7	14
IC 12K	SN74LS04N	7	14
IC 12N	SN74LS04N	7	14



TP1 K - 10
TP2 H - 12
TP3 J - 12
TP4 E - 9
TP5 P - 11
TP6 F - 12
TP7 N - 8
TP8 P - 11

TPE1 A - 2
TPE2 H - 1
TPE3 G - 7
TPE4 A - 12
TPE5 P - 12

MY-17 (1/3) (VIDEO TBC)

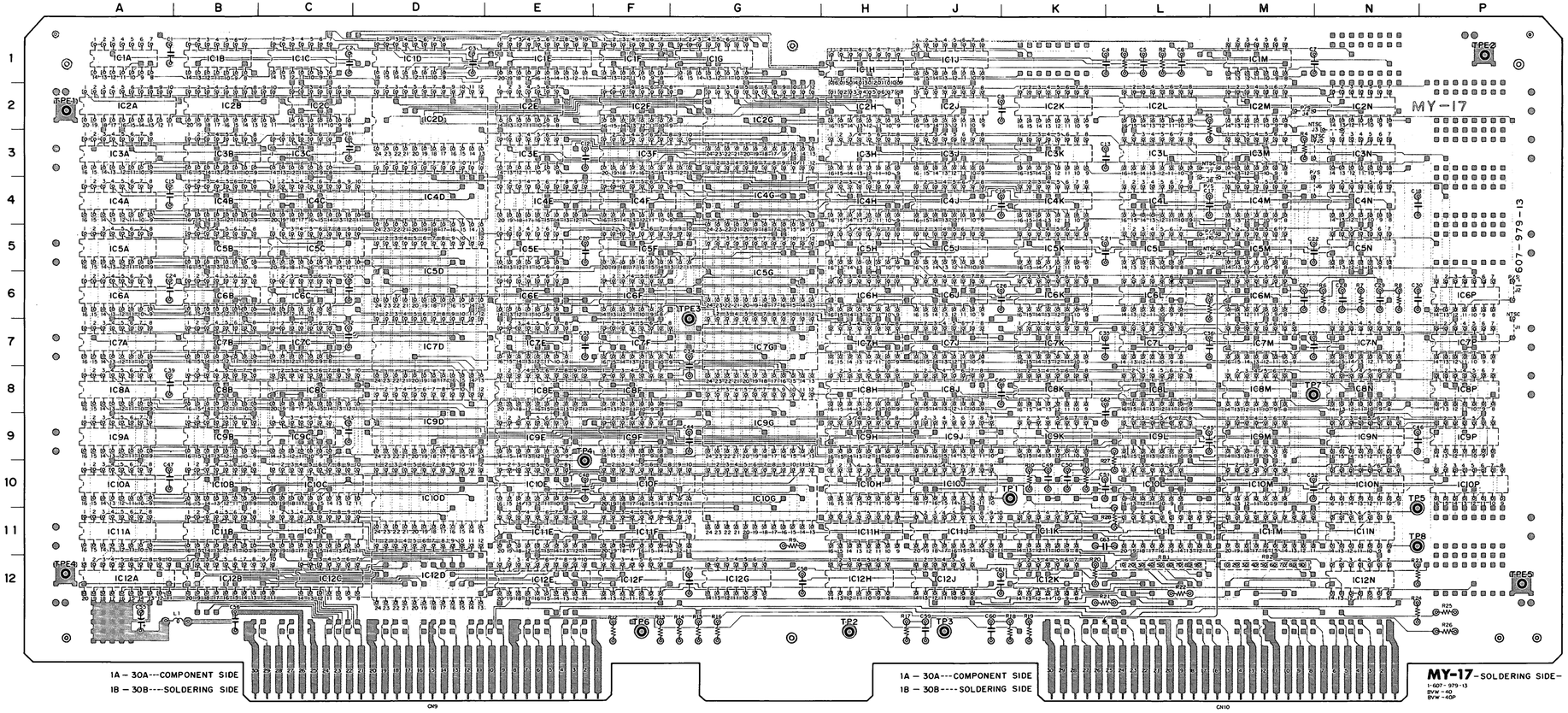


MY-17 MY-17

MY-17 (VIDEO TBC)

Ref. No.	Type	Pin No. GND	Pin No. +5V
IC 1A	SN74LS164N	7	14
IC 1B	SN74LS164N	7	14
IC 1C	SN74LS166N	7	14
IC 1D	SN74LS166AN	8	16
IC 1E	SN74LS374N	10	20
IC 1F	SN74LS164N	7	14
IC 1G	SN74LS166AN	8	16
IC 1H	SN74LS161AN	8	16
IC 1J	SN74LS161AN	8	16
IC 1M	SN7406N	7	14
IC 2A	SN74LS374N	10	20
IC 2B	SN74LS374N	10	20
IC 2C	SN74LS164N	7	14
IC 2D	MSM5128 - 12RS	12	24
IC 2E	SN74LS164N	7	14
IC 2F	SN74LS166AN	8	16
IC 2G	MSM5128 - 12RS	12	24
IC 2H	SN74LS157N	8	16
IC 2J	SN74LS161AN	8	16
IC 2K	SN74LS161AN	8	16
IC 2L	SN74LS221N	8	16
IC 2M	SN74LS164N	7	14
IC 2N	SN74LS164N	7	14
IC 3A	SN74LS166AN	8	16
IC 3B	SN74LS166AN	8	16
IC 3C	SN74LS164N	7	14
IC 3E	SN74LS164N	7	14
IC 3F	SN74LS374N	10	20
IC 3H	SN74LS157N	8	16
IC 3J	SN74LS175N	8	16
IC 3K	SN74LS175N	8	16
IC 3L	SN74LS161AN	8	16
IC 3M	SN74LS74AN	7	14
IC 3N	SN74LS74AN	7	14
IC 4A	SN74LS166AN	8	16
IC 4B	SN74LS166AN	8	16
IC 4C	SN74LS374N	10	20
IC 4D	MSM5128 - 12RS	12	24
IC 4E	SN74LS374N	10	20
IC 4F	SN74LS166AN	8	16
IC 4G	MSM5128 - 12RS	12	24
IC 4H	SN74LS157N	8	16
IC 4J	SN74LS175N	8	16
IC 4K	SN74LS163AN	8	16
IC 4L	SN74LS151N	8	16
IC 4M	SN74LS30N	7	14
IC 4N	SN74LS74AN	7	14
IC 5A	SN74LS166AN	8	16
IC 5B	SN74LS166AN	8	16
IC 5C	SN74LS374N	10	20
IC 5D	MSM5128 - 12RS	12	24
IC 5E	SN74LS374N	10	20
IC 5F	SN74LS166AN	8	16
IC 5G	MSM5128 - 12RS	12	24
IC 5H	SN74LS157N	8	16
IC 5J	SN74LS163AN	8	16
IC 5K	SN74LS85N	8	16
IC 5L	SN74LS86N	7	14
IC 5M	SN74LS04N	7	14
IC 5N	SN74LS04N	7	14
IC 6A	SN74LS166AN	8	16
IC 6B	SN74LS166AN	8	16
IC 6C	SN74LS164N	7	14
IC 6E	SN74LS164N	7	14
IC 6F	SN74LS164N	7	14
IC 6H	SN74LS161AN	8	16
IC 6J	SN74LS161AN	8	16
IC 6K	SN74LS191N	8	16
IC 6L	SN74LS00N	7	14
IC 6M	SN74LS74AN	7	14
IC 6P	SN74LS00N	7	14
IC 7A	SN74LS166AN	8	16
IC 7B	SN74LS166AN	8	16
IC 7C	SN74LS164N	7	14
IC 7D	MSM5128 - 12RS	12	24
IC 7E	SN74LS166AN	8	16
IC 7F	SN74LS166AN	8	16
IC 7G	MSM5128 - 12RS	12	24
IC 7H	SN74LS157N	8	16
IC 7J	SN74LS157N	8	16
IC 7K	SN74LS161AN	8	16
IC 7L	SN74LS08N	7	14
IC 7M	SN74LS221N	8	16
IC 7N	SN74LS123N	8	16
IC 7P	SN74LS164N	7	14

Ref. No.	Type	Pin No. GND	Pin No. +5V
IC 8A	SN74LS166AN	8	16
IC 8B	SN74LS166AN	8	16
IC 8C	SN74LS374N	10	20
IC 8E	SN74LS374N	10	20
IC 8F	SN74LS164N	7	14
IC 8H	SN74LS157N	8	16
IC 8J	SN74LS157N	8	16
IC 8K	SN74LS161AN	8	16
IC 8L	SN74LS191N	8	16
IC 8M	SN74LS00N	7	14
IC 8N	SN7404N	7	14
IC 8P	SN7404N	7	14
IC 9A	SN74LS166AN	8	16
IC 9B	SN74LS166AN	8	16
IC 9C	SN74LS164N	7	14
IC 9D	MSM5128 - 12RS	12	24
IC 9E	SN74LS166AN	8	16
IC 9F	SN74LS164N	7	14
IC 9G	MSM5128 - 12RS	12	24
IC 9H	SN74LS163AN	8	16
IC 9K	MBM2149L - 55	9	18
IC 9K	SN74LS123N	8	16
IC 9L	SN74LS161AN	8	16
IC 9M	SN74LS04N	7	14
IC 9N	SN74LS161AN	8	16
IC 9P	SN74LS00N	7	14
IC 10A	SN74LS166AN	8	16
IC 10B	SN74LS166AN	8	16
IC 10C	SN74LS374N	10	20
IC 10D	MSM5128 - 12RS	12	24
IC 10E	SN74LS166AN	8	16
IC 10F	SN74LS374N	10	20
IC 10G	MSM5128 - 12RS	12	24
IC 10H	SN74LS163AN	8	16
IC 10J	MBM2149L - 55	9	18
IC 10L	SN74LS74AN	7	14
IC 10M	SN7400N	7	14
IC 10N	SN74LS161AN	8	16
IC 10P	SN74LS161AN	8	16
IC 11A	SN74LS166AN	8	16
IC 11B	SN74LS166AN	8	16
IC 11C	SN74LS374N	10	20
IC 11E	SN74LS374N	10	20
IC 11F	SN74LS374N	10	20
IC 11H	SN74LS163AN	8	16
IC 11J	SN74LS374N	10	20
IC 11K	SN74LS02N	7	14
IC 11L	SN74LS374N	10	20
IC 11M	SN74LS374N	10	20
IC 11N	SN74LS04N	7	14
IC 12A	SN74LS374N	10	20
IC 12B	SN74LS374N	10	20
IC 12C	SN74LS164N	7	14
IC 12D	MSM5128 - 12RS	12	24
IC 12E	SN74273N	10	20
IC 12F	SN74LS04N	7	14
IC 12G	SN74LS164N	7	14
IC 12H	SN7404N	7	14
IC 12J	SN74LS74AN	7	14
IC 12K	SN74LS04N	7	14
IC 12N	SN74LS04N	7	14

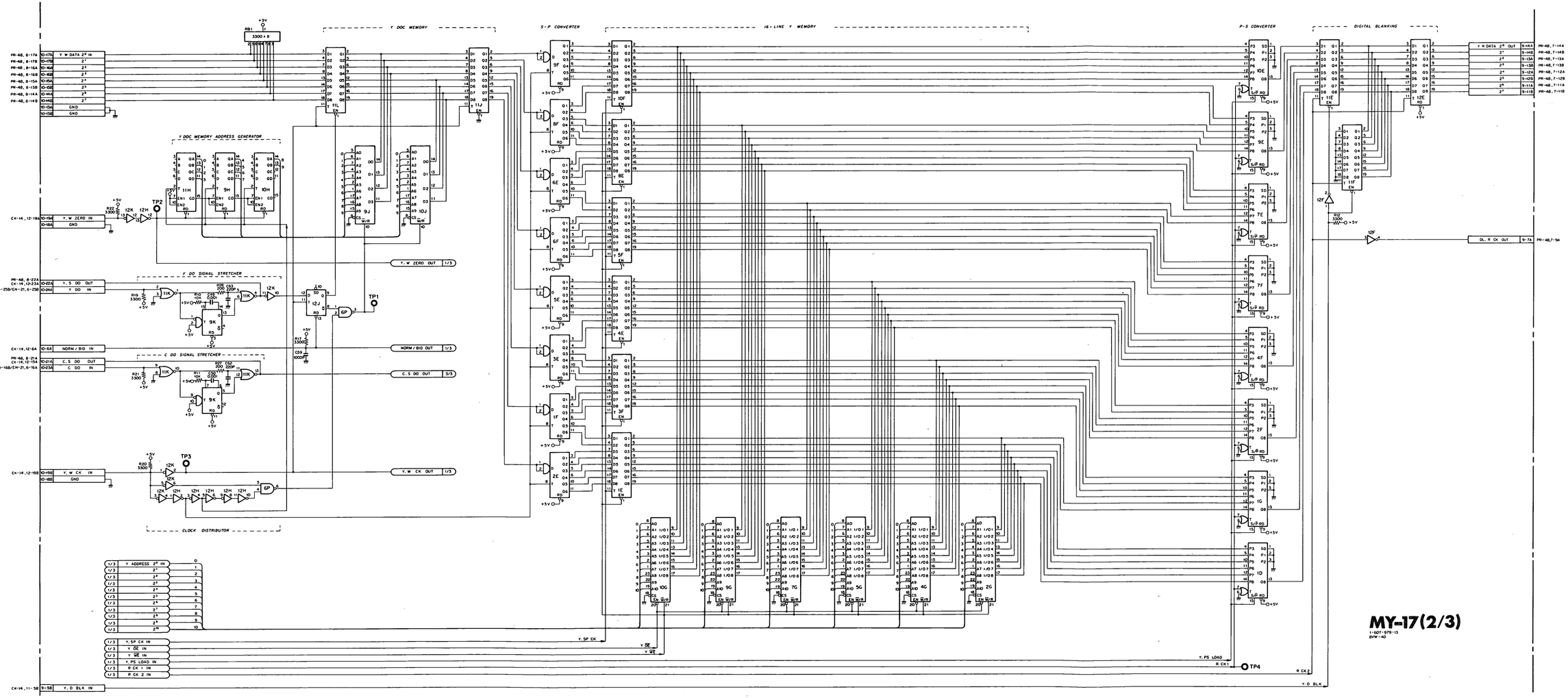


TP1 K - 10
TP2 H - 12
TP3 J - 12
TP4 E - 9
TP5 P - 11
TP6 F - 12
TP7 N - 8
TP8 P - 11

TPE1 A - 2
TPE2 P - 1
TPE3 G - 7
TPE4 A - 12
TPE5 P - 12

MY-17-SOLDERING SIDE-
1-607-979-13
BVW-40
BVW-40P

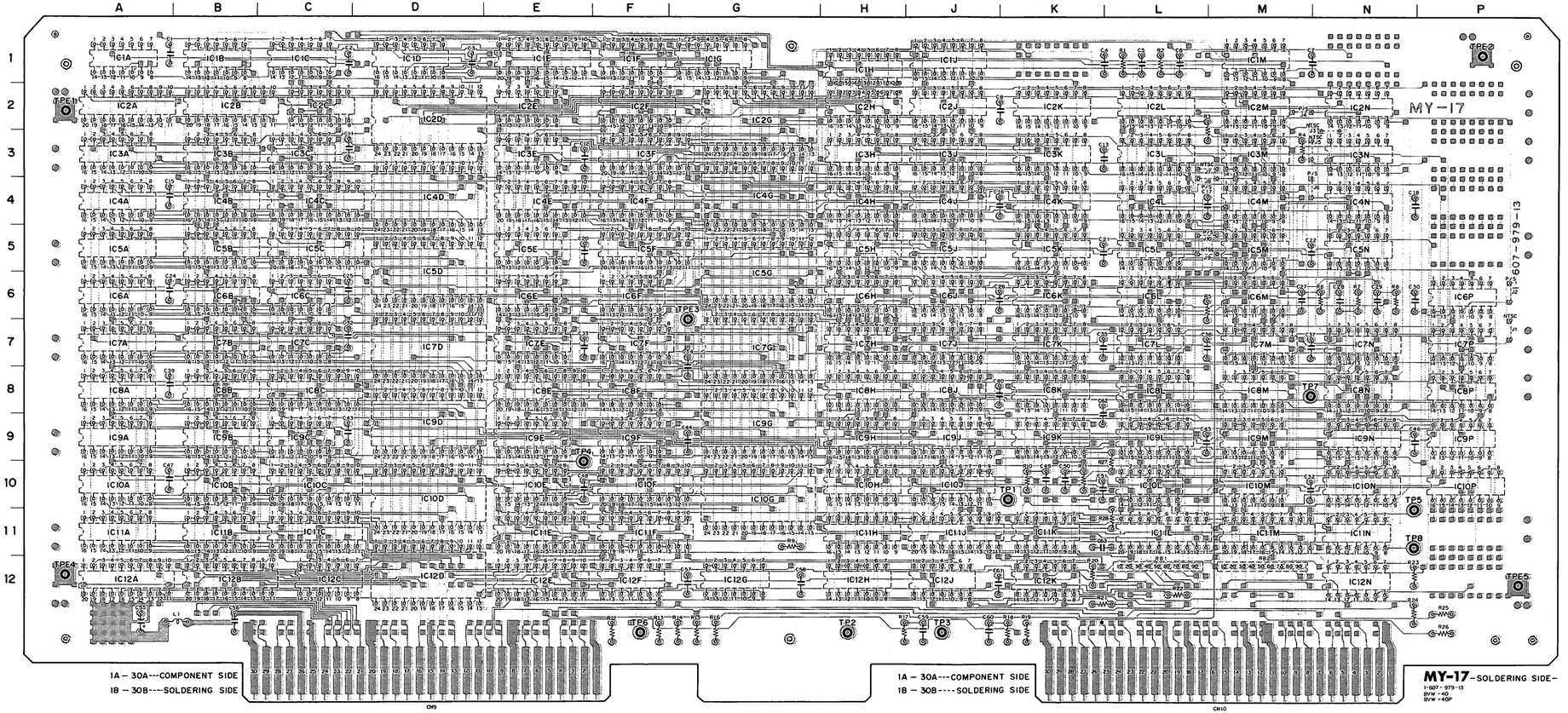
MY-17 (2/3) (VIDEO TBC)



MY-17 (VIDEO TBC)

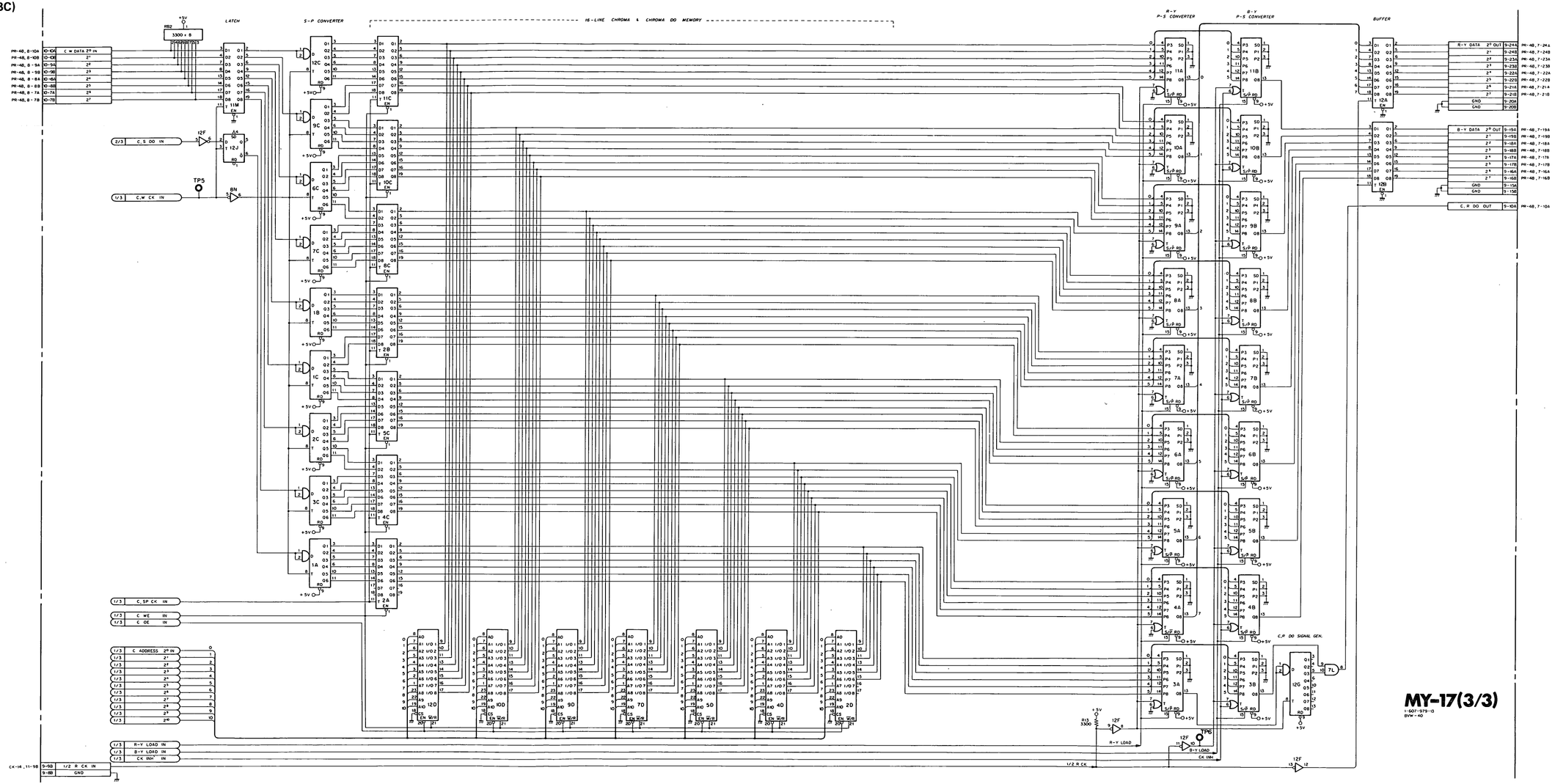
Ref. No.	Type	Pin No. GND	Pin No. +5V
IC 1A	SN74LS164N	7	14
IC 1B	SN74LS164N	7	14
IC 1C	SN74LS164N	7	14
IC 1D	SN74LS166AN	8	16
IC 1E	SN74LS374N	10	20
IC 1F	SN74LS164N	7	14
IC 1G	SN74LS166AN	8	16
IC 1H	SN74LS161AN	8	16
IC 1J	SN74LS161AN	8	16
IC 1M	SN7406N	7	14
IC 2A	SN74LS374N	10	20
IC 2B	SN74LS374N	10	20
IC 2C	SN74LS164N	7	14
IC 2D	MSM5128-12RS	12	24
IC 2E	SN74LS164N	7	14
IC 2F	SN74LS166AN	8	16
IC 2G	MSM5128-12RS	12	24
4C 2H	SN74LS157N	8	16
IC 2J	SN74LS161AN	8	16
IC 2K	SN74LS161AN	8	16
IC 2L	SN74LS221N	8	16
IC 2M	SN74LS164N	7	14
IC 2N	SN74LS164N	7	14
IC 3A	SN74LS166AN	8	16
IC 3B	SN74LS166AN	8	16
IC 3C	SN74LS164N	7	14
IC 3E	SN74LS164N	7	14
IC 3F	SN74LS374N	10	20
IC 3H	SN74LS157N	8	16
IC 3J	SN74LS175N	8	16
IC 3K	SN74LS175N	8	16
IC 3L	SN74LS161AN	8	16
IC 3M	SN74LS74AN	7	14
IC 3N	SN74LS74AN	7	14
IC 4A	SN74LS166AN	8	16
IC 4B	SN74LS166AN	8	16
IC 4C	SN74LS374N	10	20
IC 4D	MSM5128-12RS	12	24
IC 4E	SN74LS374N	10	20
IC 4F	SN74LS163AN	8	16
IC 4G	SN74LS175N	8	16
IC 4H	SN74LS163AN	8	16
IC 4J	SN74LS175N	8	16
IC 4K	SN74LS163AN	8	16
IC 4L	SN74LS151N	8	16
IC 4M	SN74LS30N	7	14
IC 4N	SN74LS74AN	7	14
IC 5A	SN74LS166AN	8	16
IC 5B	SN74LS166AN	8	16
IC 5C	SN74LS374N	10	20
IC 5D	MSM5128-12RS	12	24
IC 5E	SN74LS374N	10	20
IC 5F	SN74LS166AN	8	16
IC 5G	SN74LS157N	8	16
IC 5H	SN74LS175N	8	16
IC 5J	SN74LS175N	8	16
IC 5K	SN74LS151N	8	16
IC 5L	SN74LS30N	7	14
IC 5M	SN74LS32N	7	14
IC 5N	SN74LS04N	7	14
IC 6A	SN74LS166AN	8	16
IC 6B	SN74LS166AN	8	16
IC 6C	SN74LS164N	7	14
IC 6E	SN74LS164N	7	14
IC 6F	SN74LS164N	7	14
IC 6H	SN74LS161AN	8	16
IC 6J	SN74LS161AN	8	16
IC 6K	SN74LS191N	8	16
IC 6L	SN74LS00N	7	14
IC 6M	SN74LS74AN	7	14
IC 6P	SN74LS00N	7	14
IC 7A	SN74LS166AN	8	16
IC 7B	SN74LS166AN	8	16
IC 7C	SN74LS164N	7	14
IC 7D	MSM5128-12RS	12	24
IC 7E	SN74LS166AN	8	16
IC 7F	SN74LS166AN	8	16
IC 7G	MSM5128-12RS	12	24
IC 7H	SN74LS157N	8	16
IC 7J	SN74LS157N	8	16
IC 7K	SN74LS161AN	8	16
IC 7L	SN74LS08N	7	14
IC 7M	SN74LS221N	8	16
IC 7N	SN74LS123N	8	16
IC 7P	SN74LS164N	7	14

Ref. No.	Type	Pin No. GND	Pin No. +5V
IC 8A	SN74LS166AN	8	16
IC 8B	SN74LS166AN	8	16
IC 8C	SN74LS374N	10	20
IC 8E	SN74LS374N	10	20
IC 8F	SN74LS164N	7	14
IC 8H	SN74LS157N	8	16
IC 8J	SN74LS157N	8	16
IC 8K	SN74LS161AN	8	16
IC 8L	SN74LS191N	8	16
IC 8M	SN74LS00N	7	14
IC 8N	SN7404N	7	14
IC 8P	SN7404N	7	14
IC 9A	SN74LS166AN	8	16
IC 9B	SN74LS166AN	8	16
IC 9C	SN74LS164N	7	14
IC 9D	MSM5128-12RS	12	24
IC 9E	SN74LS166AN	8	16
IC 9F	SN74LS164N	7	14
IC 9G	MSM5128-12RS	12	24
IC 9H	SN74LS163AN	8	16
IC 9J	MB8421-90L-55	9	18
IC 9K	SN74LS123N	8	16
IC 9L	SN74LS161AN	8	16
IC 9M	SN74LS04N	7	14
IC 9N	SN74LS161AN	8	16
IC 9P	SN74LS00N	7	14
IC 10A	SN74LS166AN	8	16
IC 10B	SN74LS166AN	8	16
IC 10C	SN74LS374N	10	20
IC 10D	MSM5128-12RS	12	24
IC 10E	SN74LS166AN	8	16
IC 10F	SN74LS374N	10	20
IC 10G	MSM5128-12RS	12	24
IC 10H	SN74LS163AN	8	16
IC 10J	MB8421-90L-55	9	18
IC 10L	SN74LS74AN	7	14
IC 10M	SN7400N	7	14
IC 10N	SN74LS161AN	8	16
IC 10P	SN74LS161AN	8	16
IC 11A	SN74LS166AN	8	16
IC 11B	SN74LS166AN	8	16
IC 11C	SN74LS374N	10	20
IC 11E	SN74LS374N	10	20
IC 11F	SN74LS374N	10	20
IC 11H	SN74LS163AN	8	16
IC 11J	SN74LS374N	10	20
IC 11K	SN74LS02N	7	14
IC 11L	SN74LS374N	10	20
IC 11M	SN74LS374N	10	20
IC 11N	SN74LS04N	7	14
IC 12A	SN74LS374N	10	20
IC 12B	SN74LS374N	10	20
IC 12C	SN74LS164N	7	14
IC 12D	MSM5128-12RS	12	24
IC 12E	SN74273N	10	20
IC 12F	SN74LS04N	7	14
IC 12G	SN74LS164N	7	14
IC 12H	SN7404N	7	14
IC 12J	SN74LS74AN	7	14
IC 12K	SN74LS04N	7	14
IC 12N	SN74LS04N	7	14



TP1	K - 10
TP2	H - 12
TP3	J - 12
TP4	E - 9
TP5	F - 11
TP6	F - 12
TP7	N - 8
TP8	P - 11
TPE1	A - 2
TPE2	P - 1
TPE3	G - 7
TPE4	A - 12
TPE5	P - 12

MY-17 (3/3) (VIDEO TBC)

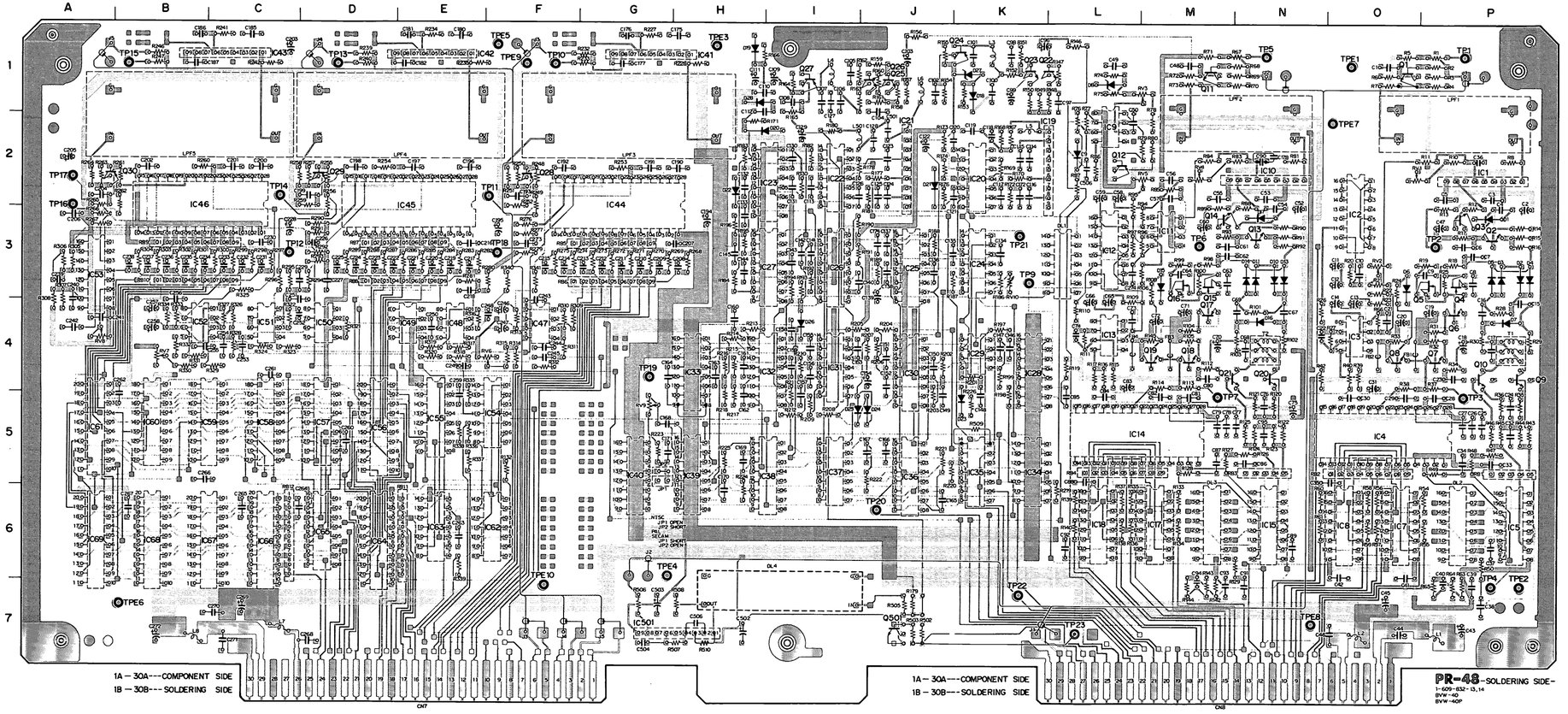


18-101 18-102 18-103

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PR-48 (VIDEO TBC)

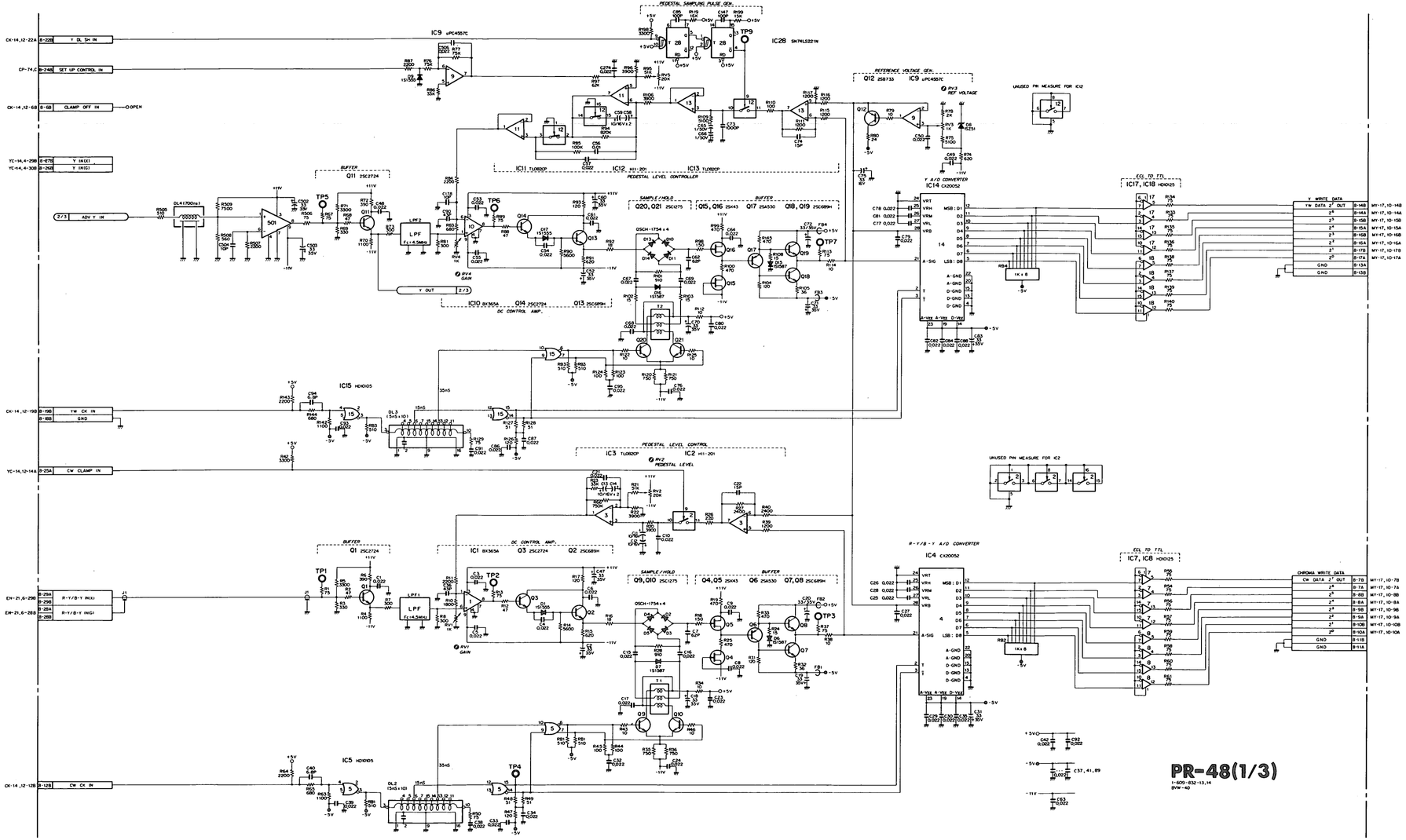
Ref. No.	Type	Pin No. −11V	−5V	GND	+5V	+11V	+12V
IC 1	BX365A	9		4, 7		3	
IC 2	HI1-201-5	4		5		13	
IC 3	TL082CP	4				8	
IC 4	CX20052		14, 19, 23	4, 13, 15, 20, 22			
IC 5	HD10105		8		1, 16		
IC 7	HD10125		8	16	9		
IC 8	HD10125		8	16	9		
IC 9	μPC4557C	4				8	
IC 10	BX365A	9		4, 7		3	
IC 11	TL082CP	4				8	
IC 12	HI1-201-5	4		5		13	
IC 13	TL082CP	4				8	
IC 14	CX20052		4, 19, 23	4, 13, 15, 20, 22			
IC 15	HD10105		8		1, 16		
IC 17	HD10125		8	16	9		
IC 18	HD10125		8	16	9		
IC 19	BX365A	9		4, 7		3	
IC 20	μPC319C	6				11	
IC 21	BX365A	9		4, 7		3	
IC 22	μPC319C	6		3, 8		11	
IC 23	HA1-4905-5	5		9	1	13	
IC 24	TL084CN	11				4	
IC 25	HI1-201-5	4		5		13	
IC 26	SN74LS123N			8	16		
IC 27	HI1-201-5	4		5		13	
IC 28	SN74LS221N			8	16		
IC 29	SN75454BP			4	8		
IC 30	HA1-4905-5	5		9	1	13	
IC 31	TL084CN	11				4	
IC 32	HA1-4905-5	5		9	1	13	
IC 33	HI1-201-5	4		5		13	
IC 34	SN74LS00N			7	14		
IC 35	SN74LS74AN			7	14		
IC 36	SN74LS221N			8	16		
IC 37	SN74LS20N			7	14		
IC 38	TC4328BP			8	16		
IC 39	SN74LS221N			8	16		
IC 40	TC4022BP			8	16		
IC 41	BX365A	9		4, 7		3	
IC 42	BX365A	9		4, 7		3	
IC 43	BX365A	8		4, 7		3	
IC 44	CX20051A			1, 3, 15, 24, 27	14, 21, 22, 28		
IC 45	CX20051A			1, 3, 15, 24, 27	14, 21, 22, 28		
IC 46	CX20051A			1, 3, 15, 24, 27	14, 21, 22, 28		
IC 47	μPC4557C	4				8	
IC 48	TL082CP	4				8	
IC 49	TL607CP	5		1		8	
IC 50	TL607CP	5		1		8	
IC 51	TL082CP	4				8	
IC 52	μPC4557C	4				8	
IC 53	MC10198L			8	1, 16		
IC 54	SN74S32N			7	14		
IC 55	SN74LS163AN			8	16		
IC 56	SN74273N			10	20		
IC 57	MBM2149L-55			9	18		
IC 58	MBM2149L-55			9	18		
IC 59	MBM2149L-55			9	18		
IC 60	MBM2149L-55			9	18		
IC 61	SN74273N			10	20		
IC 62	SN74LS04N			7	14		
IC 63	SN74LS113AN			7	14		
IC 64	SN74LS374N			10	20		
IC 65	SN74LS163AN			8	16		
IC 66	SN74LS273N			10	20		
IC 67	SN74LS273N			10	20		
IC 68	SN74LS273N			10	20		
IC 69	SN74LS374N			10	20		
IC501	BX365A	9		4, 7		3	



D1	P-3	IC41	G-1	RV1	O-2
D2	P-3	IC42	E-1	RV2	O-3
D3	P-3	IC43	C-1	RV3	M-1
D4	P-3	IC44	G-2	RV4	M-2
D5	P-3	IC45	E-2	RV5	M-2
D6	O-3	IC46	B-2	RV6	F-4
D7	P-4	IC47	F-4	RV7	B-4
D8	L-1	IC48	E-4	RV8	A-4
D9	L-2	IC49	E-4	RV9	G-5
D10	N-3	IC50	D-4	RV10	K-3
D11	N-3	IC51	C-4		
D13	N-3	IC52	B-4	T1	P-4
D14	N-3	IC53	A-3	T2	N-4
D15	M-3	IC54	F-5		
D16	N-4	IC55	E-5	TP1	P-1
D17	N-3	IC56	D-5	TP2	P-3
D18	K-1	IC57	D-5	TP3	P-5
D19	H-1	IC58	C-5	TP4	P-7
D20	I-2	IC59	C-5	TP5	N-1
D21	J-2	IC60	B-5	TP6	M-3
D22	H-2	IC61	A-5	TP7	M-5
D23	K-5	IC62	F-6	TP9	K-3
D24	J-5	IC63	E-6	TP10	F-1
D25	J-5	IC64	D-6	TP11	F-2
D26	I-4	IC65	D-6	TP12	C-3
D27	K-1	IC66	C-6	TP13	D-1
D28	H-1	IC67	C-6	TP14	C-2
		IC68	B-6	TP15	B-1
DL1	L-3	IC69	A-6	TP16	A-2
DL2	P-6	IC501	G-7	TP17	A-2
DL3	M-6			TP18	P-3
DL4	H-6	LPF1	P-1	TP19	G-4
		LPF2	N-2	TP20	J-6
IC1	P-2	LPF3	G-2	TP21	K-3
IC2	O-3	LPF4	E-2	TP22	I-7
IC3	O-4	LPF5	B-2	TP23	L-7
IC4	O-5				
IC5	P-6	Q1	O-1	TPE1	O-1
IC7	O-6	Q2	P-3	TPE2	P-7
IC8	O-6	Q3	P-3	TPE3	H-1
IC9	L-2	Q4	P-3	TPE4	G-6
IC10	N-2	Q5	P-3	TPE5	F-1
IC11	M-3	Q6	P-4	TPE6	B-7
IC12	L-3	Q7	P-4	TPE7	O-2
IC13	L-4	Q8	O-4	TPE8	N-7
IC14	M-5	Q9	P-4	TPE9	F-1
IC15	N-6	Q10	P-4	TPE10	F-7
IC17	M-6	Q11	M-1		
IC18	L-6	Q12	L-2		
IC19	L-2	Q13	N-3		
IC20	K-2	Q14	M-3		
IC21	J-2	Q15	M-3		
IC22	I-2	Q16	M-3		
IC23	I-2	Q17	M-4		
IC24	K-3	Q18	M-4		
IC25	J-3	Q19	M-4		
IC26	I-3	Q20	N-4		
IC27	I-3	Q21	N-4		
IC28	K-4	Q22	K-1		
IC29	K-4	Q23	K-1		
IC30	J-4	Q24	K-1		
IC31	I-4	Q25	J-1		
IC32	H-4	Q26	J-1		
IC33	H-4	Q27	I-1		
IC34	K-5	Q28	F-2		
IC35	K-5	Q29	D-2		
IC36	J-5	Q30	A-2		
IC37	I-5	Q501	J-7		
IC38	I-5				
IC39	H-5				
IC40	G-5				

PR-48 (1/3)

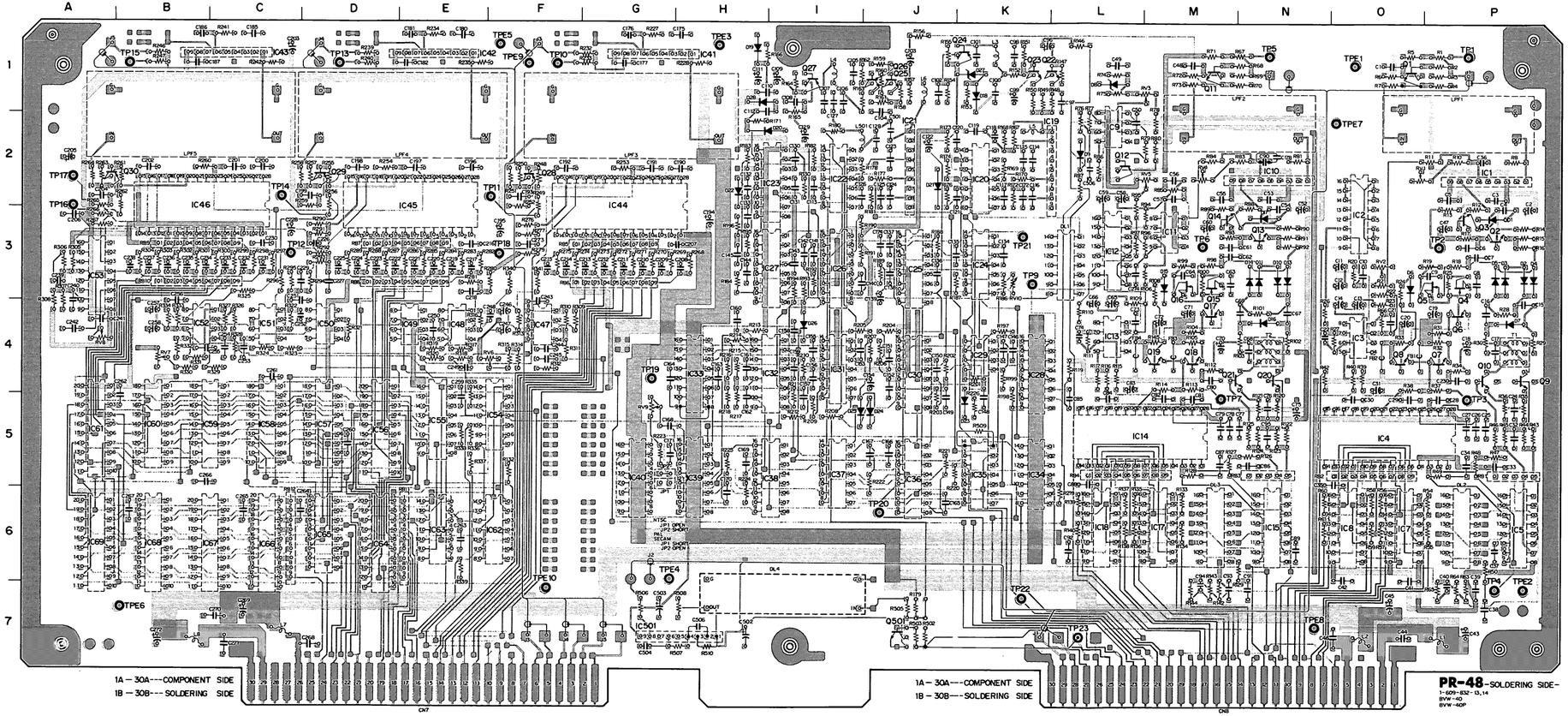
PR-48 (1/3) (VIDEO TBC)



PR-48 PR-48

PR-48 (VIDEO TBC)

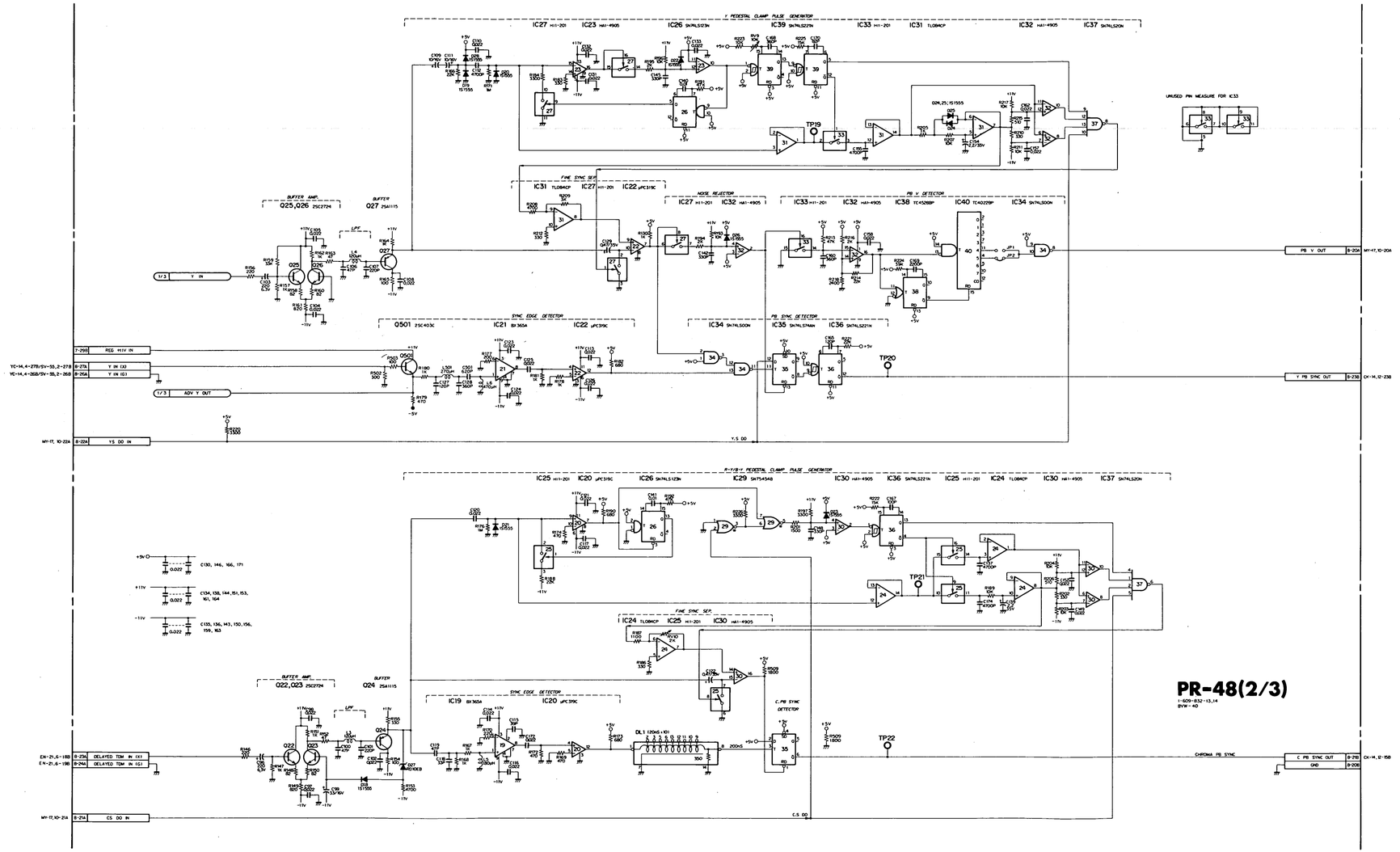
Ref. No.	Type	Pin No. −11V	−5V	GND	+5V	+11V	+12V
IC 1	BX365A	9		4, 7		3	
IC 2	HI-201-5	4		5		13	
IC 3	TL082CP	4				8	
IC 4	CX20062		14, 19, 23	4, 13, 15, 20, 22			
IC 5	HD10105		8		1, 16		
IC 7	HD10125		8	16	9		
IC 8	HD10125		8	16	9		
IC 9	μPC4557C	4				8	
IC 10	BX365A	9		4, 7		3	
IC 11	TL082CP	4				8	
IC 12	HI-201-5	4		5		13	
IC 13	TL082CP	4				8	
IC 14	CX20062		4, 19, 23	4, 13, 15, 20, 22			
IC 15	HD10105		8		1, 16		
IC 17	HD10125		8	16	9		
IC 18	HD10125		8	16	9		
IC 19	BX365A	9		4, 7		3	
IC 20	μPC319C	6				11	
IC 21	BX365A	9		4, 7		3	
IC 22	μPC319C	6		3, 8		11	
IC 23	HA1-4905-5	5		9	1	13	
IC 24	TL084CN	11				4	
IC 25	HI-201-5	4		5		13	
IC 26	SN74LS123N			8	16		
IC 27	HI-201-5	4		5		13	
IC 28	SN74LS221N			8	16		
IC 29	SN75454BP			4	8		
IC 30	HA1-4905-5	5		9	1	13	
IC 31	TL084CN	11				4	
IC 32	HA1-4905-5	5		9	1	13	
IC 33	HI-201-5	4		5		13	
IC 34	SN74LS00N			7	14		
IC 35	SN74LS74AN			7	14		
IC 36	SN74LS221N			8	16		
IC 37	SN74LS20N			7	14		
IC 38	TC4528BP			8	16		
IC 39	SN74LS221N			8	16		
IC 40	TC4022BP			8	16		
IC 41	BX365A	9		4, 7		3	
IC 42	BX365A	9		4, 7		3	
IC 43	BX365A	8		4, 7		3	
IC 44	CX20051A			1, 3, 15, 24, 27	14, 21, 22, 28		
IC 45	CX20051A			1, 3, 15, 24, 27	14, 21, 22, 28		
IC 46	CX20051A			1, 3, 15, 24, 27	14, 21, 22, 28		
IC 47	μPC4557C	4				8	
IC 48	TL082CP	4				8	
IC 49	TL497CP	5		1		8	
IC 50	TL607CP	5		1		8	
IC 51	TL082CP	4				8	
IC 52	μPC4557C	4				8	
IC 53	MC10198L			8	1, 16		
IC 54	SN74S32N			7	14		
IC 55	SN74LS163AN			8	16		
IC 56	SN74273N			10	20		
IC 57	MBM2149L-55			9	18		
IC 58	MBM2149L-55			9	18		
IC 59	MBM2149L-55			9	18		
IC 60	MBM2149L-55			9	18		
IC 61	SN74273N			10	20		
IC 62	SN74LS04N			7	14		
IC 63	SN74LS113AN			7	14		
IC 64	SN74LS74AN			10	20		
IC 65	SN74LS163AN			8	16		
IC 66	SN74LS273N			10	20		
IC 67	SN74LS273N			10	20		
IC 68	SN74LS273N			10	20		
IC 69	SN74LS374N			10	20		
IC501	BX365A	9		4, 7		3	



D1	P-3	IC41	G-1	RV1	O-2
D2	P-3	IC42	E-1	RV2	O-3
D3	P-3	IC43	C-1	RV3	M-1
D4	P-3	IC44	G-2	RV4	M-2
D5	P-3	IC45	E-2	RV5	M-2
D6	O-3	IC46	B-2	RV6	F-4
D7	P-4	IC47	F-4	RV7	B-4
D8	L-1	IC48	E-4	RV8	A-4
D9	L-2	IC49	E-4	RV9	G-5
D10	N-3	IC50	D-4	RV10	K-3
D11	N-3	IC51	C-4		
D12	N-3	IC52	B-4	T1	P-4
D13	N-3	IC53	A-3	T2	N-4
D14	N-3	IC54	F-5		
D15	M-3	IC55	E-5	TP1	P-1
D16	N-4	IC56	D-5	TP2	P-3
D17	N-3	IC57	D-5	TP3	P-5
D18	K-1	IC58	C-5	TP4	P-7
D19	H-1	IC59	C-5	TP5	N-1
D20	I-2	IC60	B-5	TP6	M-3
D21	J-2	IC61	A-5	TP7	M-5
D22	H-2	IC62	F-6	TP9	K-3
D23	K-5	IC63	E-6	TP10	F-1
D24	J-5	IC64	D-6	TP11	F-2
D25	J-5	IC65	D-6	TP12	C-3
D26	I-4	IC66	C-6	TP13	D-1
D27	K-1	IC67	C-6	TP14	C-2
D28	H-1	IC68	B-6	TP15	B-1
DL1	L-3	IC69	A-6	TP16	A-2
DL2	P-6	IC501	G-7	TP17	A-2
DL3	M-6			TP18	F-3
DL4	H-6	LPF1	P-1	TP19	J-6
		LPF2	N-2	TP20	J-6
IC1	P-2	LPF3	G-2	TP21	K-3
IC2	O-3	LPF4	E-2	TP22	K-7
IC3	O-4	LPF5	B-2	TP23	L-7
IC4	O-5				
IC5	P-6	Q1	O-1	TPE1	O-1
IC7	O-6	Q2	P-3	TPE2	P-7
IC8	O-6	Q3	P-3	TPE3	H-1
IC9	L-2	Q4	P-3	TPE4	G-6
IC10	N-2	Q5	P-3	TPE5	F-1
IC11	M-3	Q6	P-4	TPE6	B-7
IC12	L-3	Q7	P-4	TPE7	O-2
IC13	L-4	Q8	O-4	TPE8	N-7
IC14	M-5	Q9	P-4	TPE9	F-1
IC15	N-6	Q10	P-4	TPE10	F-7
IC17	M-6	Q11	M-1		
IC18	L-6	Q12	L-2		
IC19	L-2	Q13	N-3		
IC20	K-2	Q14	M-3		
IC21	J-2	Q15	M-3		
IC22	I-2	Q16	M-3		
IC23	I-2	Q17	M-4		
IC24	K-3	Q18	M-4		
IC25	J-3	Q19	M-4		
IC26	I-3	Q20	N-4		
IC27	I-3	Q21	N-4		
IC28	K-4	Q22	N-4		
IC29	K-4	Q23	K-1		
IC30	J-4	Q24	K-1		
IC31	J-4	Q25	J-1		
IC32	I-4	Q26	J-1		
IC33	H-4	Q27	I-1		
IC34	K-5	Q28	F-2		
IC35	K-5	Q29	D-2		
IC36	J-5	Q30	A-2		
IC37	I-5	Q501	J-7		
IC38	I-5				
IC39	H-5				
IC40	G-5				

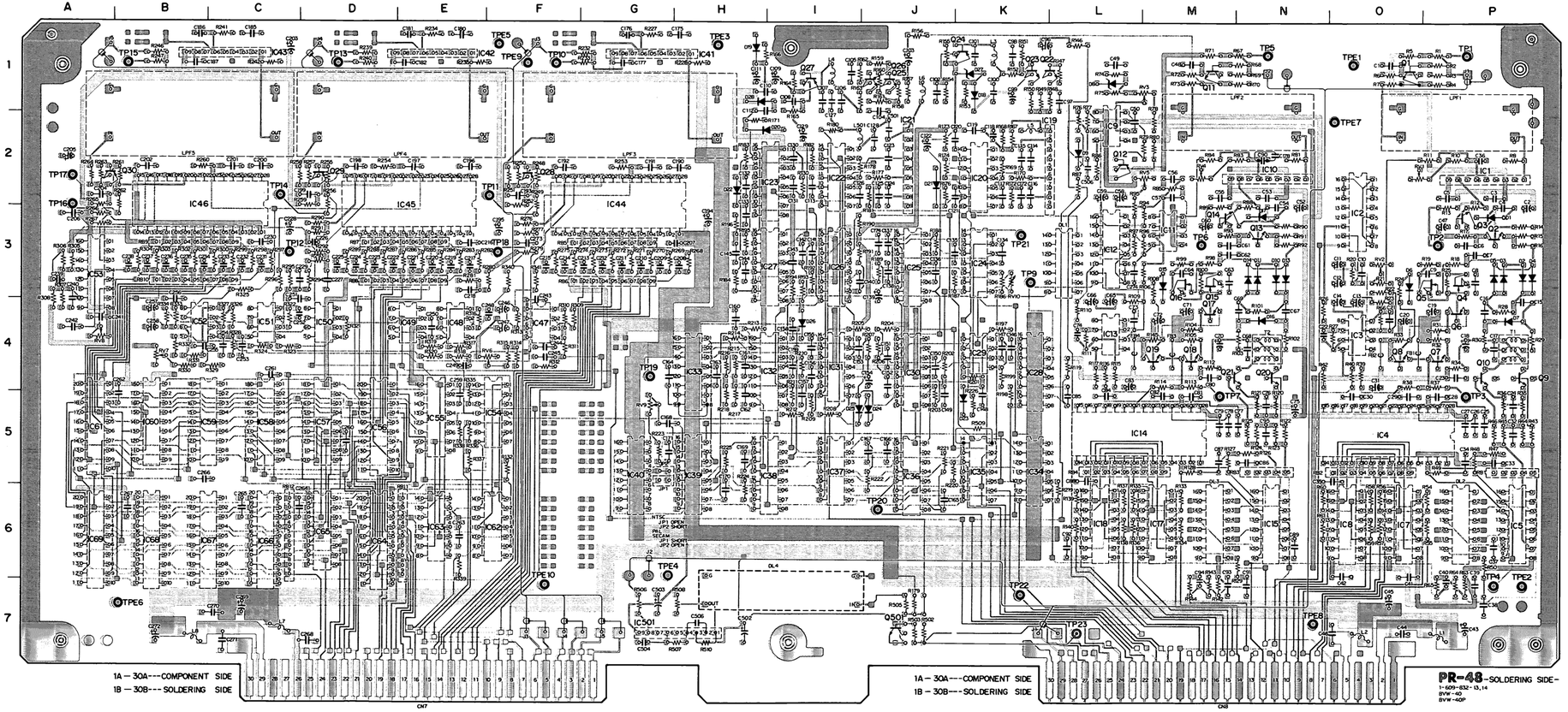
PR-48 (2/3)

PR-48 (2/3) (VIDEO TBC)

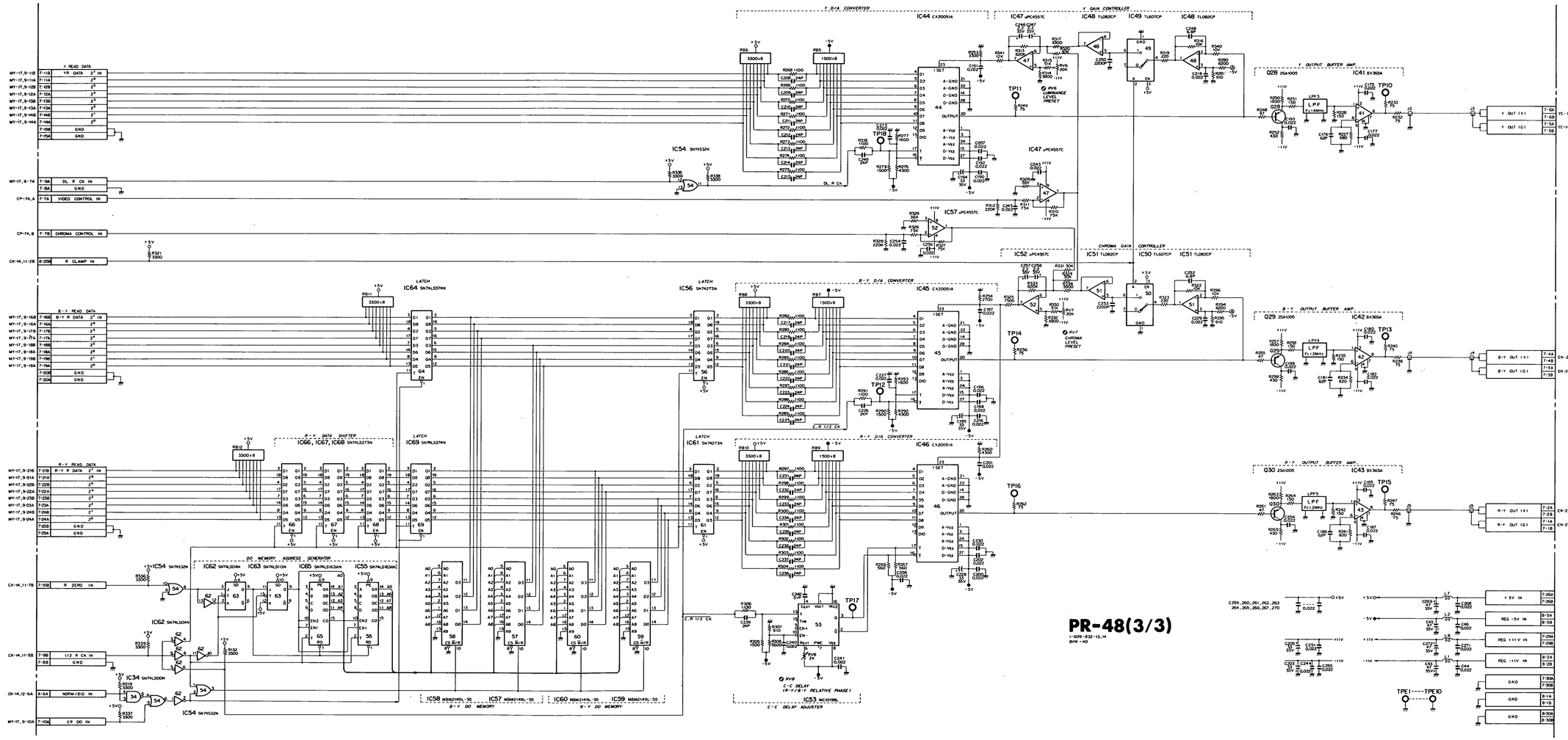


PR-48 (VIDEO TBC)

Ref. No.	Type	Pin No. −11V	−5V	GND	+5V	+11V	+12V
IC 1	BX365A	9		4, 7		3	
IC 2	H11-201-5	4		5		13	
IC 3	TL082CP	4				8	
IC 4	CX20062		14, 19, 23	4, 13, 15, 20, 22			
IC 5	HD10105		8		1, 16		
IC 7	HD10125		8	16	9		
IC 8	HD10125		8	16	9		
IC 9	μPC4557C	4				8	
IC 10	BX365A	9		4, 7		3	
IC 11	TL082CP	4				8	
IC 12	H11-201-5	4		5		13	
IC 13	TL082CP	4				8	
IC 14	CX20062		4, 19, 23	4, 13, 15, 20, 22			
IC 15	HD10105		8		1, 16		
IC 17	HD10125		8	16	9		
IC 18	HD10125		8	16	9		
IC 19	BX365A	9		4, 7		3	
IC 20	μPC319C	6				11	
IC 21	BX365A	9		4, 7		3	
IC 22	μPC319C	6		3, 8		11	
IC 23	HA1-4905-5	5		9	1	13	
IC 24	TL084CN	11				4	
IC 25	H11-201-5	4		5		13	
IC 26	SN74LS123N			8	16		
IC 27	H11-201-5	4		5		13	
IC 28	SN74LS221N			8	16		
IC 29	SN75454BP			4	8		
IC 30	HA1-4905-5	5		9	1	13	
IC 31	TL084CN	11				4	
IC 32	HA1-4905-5	5		9	1	13	
IC 33	H11-201-5	4		5		13	
IC 34	SN74LS00N			7	14		
IC 35	SN74LS74AN			7	14		
IC 36	SN74LS221N			8	16		
IC 37	SN74LS20N			7	14		
IC 38	TC4528BP			8	16		
IC 39	SN74LS221N			8	16		
IC 40	TC4022BP			8	16		
IC 41	BX365A	9		4, 7		3	
IC 42	BX365A	9		4, 7		3	
IC 43	BX365A	8		4, 7		3	
IC 44	CX20051A			1, 3, 15, 24, 27	14, 21, 22, 28		
IC 45	CX20051A			1, 3, 15, 24, 27	14, 21, 22, 28		
IC 46	CX20051A			1, 3, 15, 24, 27	14, 21, 22, 28		
IC 47	μPC4557C	4				8	
IC 48	TL082CP	4				8	
IC 49	TL607CP	5		1		8	
IC 50	TL607CP	5		1		8	
IC 51	TL082CP	4				8	
IC 52	μPC4557C	4				8	
IC 53	MC10198L			8	1, 16		
IC 54	SN74S32N			7	14		
IC 55	SN74LS163AN			8	16		
IC 56	SN74273N			10	20		
IC 57	MBM2149L-55			9	18		
IC 58	MBM2149L-55			9	18		
IC 59	MBM2149L-55			9	18		
IC 60	MBM2149L-55			9	18		
IC 61	SN74273N			10	20		
IC 62	SN74LS04N			7	14		
IC 63	SN74LS113AN			7	14		
IC 64	SN74LS374N			10	20		
IC 65	SN74LS163AN			8	16		
IC 66	SN74LS273N			10	20		
IC 67	SN74LS273N			10	20		
IC 68	SN74LS273N			10	20		
IC 69	SN74LS374N			10	20		
IC501	BX365A	9		4, 7		3	

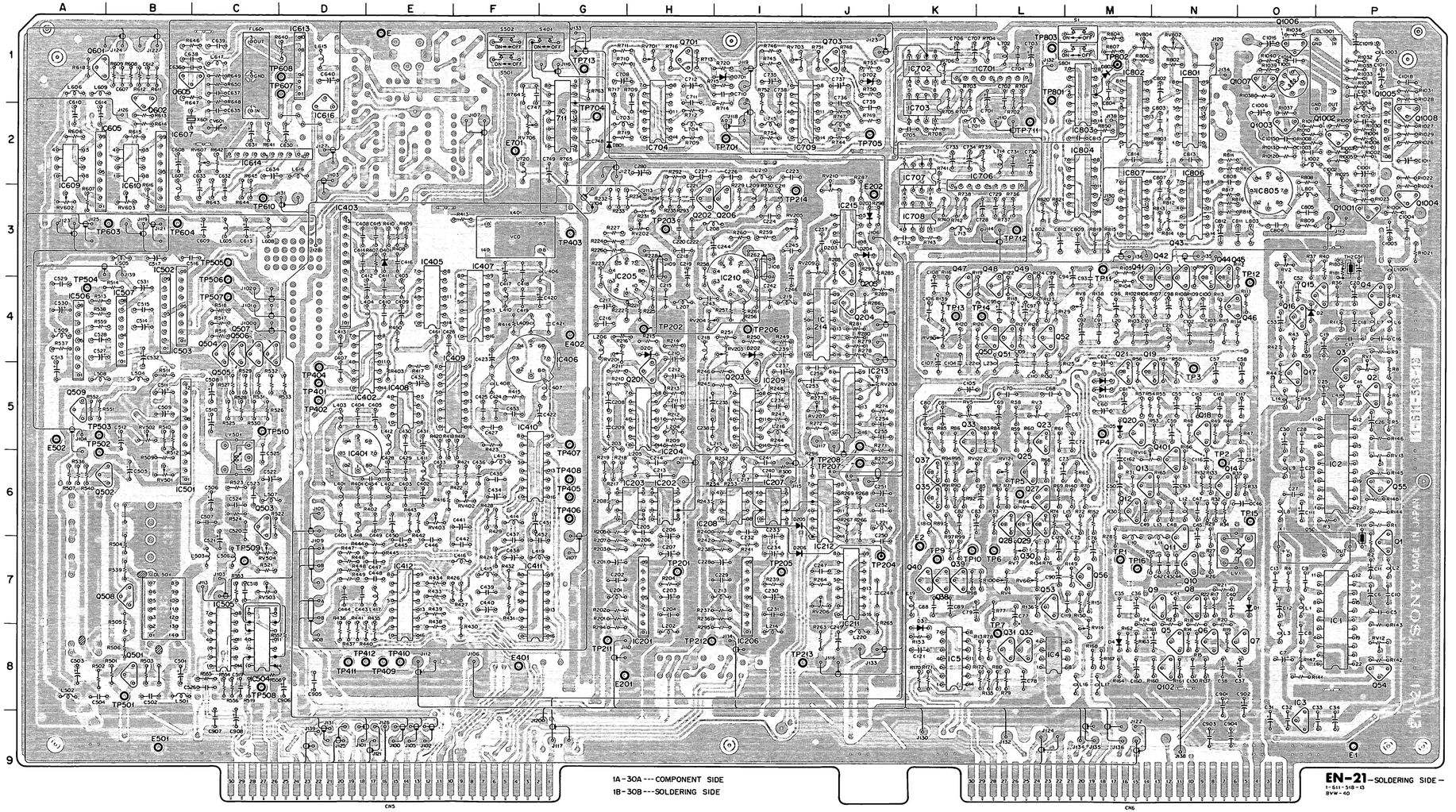


D1	P-3	IC41	G-1	RV1	O-2
D2	P-3	IC42	E-1	RV2	O-3
D3	P-3	IC43	C-1	RV3	M-1
D4	P-3	IC44	G-2	RV4	M-2
D5	P-3	IC45	E-2	RV5	M-2
D6	O-3	IC46	B-2	RV6	F-4
D7	P-4	IC47	F-4	RV7	B-4
D8	L-2	IC48	E-4	RV8	A-4
D9	L-2	IC49	E-4	RV9	G-5
D10	N-3	IC50	D-4	RV10	K-3
D11	N-3	IC51	C-4		
D13	N-3	IC52	B-4	T1	P-4
D14	N-3	IC53	A-3	T2	N-4
D15	M-3	IC54	F-5		
D16	N-4	IC55	E-5	TP1	P-1
D17	N-3	IC56	D-5	TP2	P-3
D18	K-1	IC57	D-5	TP3	P-5
D19	H-1	IC58	C-5	TP4	P-7
D20	I-2	IC59	C-5	TP5	N-1
D21	J-2	IC60	B-5	TP6	M-3
D22	H-2	IC61	A-5	TP7	M-5
D23	K-5	IC62	F-6	TP9	K-3
D24	J-5	IC63	E-6	TP10	F-1
D25	J-5	IC64	D-6	TP11	F-2
D26	I-4	IC65	D-6	TP12	C-3
D27	K-1	IC66	C-6	TP13	D-1
D28	H-1	IC67	C-6	TP14	C-2
		IC68	B-6	TP15	B-1
DL1	L-3	IC69	A-6	TP16	A-2
DL2	P-6	IC501	G-7	TP17	A-2
DL3	M-6			TP18	F-3
DL4	B-6	LPF1	P-1	TP19	F-4
		LPF2	N-2	TP20	J-6
IC1	P-2	LPF3	G-2	TP21	K-3
IC2	O-3	LPF4	E-2	TP22	K-7
IC3	O-4	LPF5	B-2	TP23	L-7
IC4	O-5				
IC5	P-6	Q1	O-1	TPE1	O-1
IC7	O-6	Q2	P-3	TPE2	P-7
IC8	L-6	Q3	P-3	TPE3	H-1
IC9	L-2	Q4	P-3	TPE4	G-6
IC10	N-2	Q5	P-3	TPE5	F-1
IC11	M-3	Q6	P-4	TPE6	B-7
IC12	L-3	Q7	P-4	TPE7	O-2
IC13	L-4	Q8	O-4	TPE8	N-7
IC14	M-5	Q9	P-4	TPE9	F-1
IC15	N-6	Q10	P-4	TPE10	F-7
IC17	M-6	Q11	M-1		
IC18	L-6	Q12	L-2		
IC19	L-2	Q13	N-3		
IC20	K-2	Q14	M-3		
IC21	J-2	Q15	M-3		
IC22	I-2	Q16	M-3		
IC23	I-2	Q17	M-4		
IC24	K-3	Q18	M-4		
IC25	J-3	Q19	M-4		
IC26	I-3	Q20	N-4		
IC27	I-3	Q21	N-4		
IC28	K-4	Q22	K-1		
IC29	K-4	Q23	K-1		
IC30	J-4	Q24	K-1		
IC31	I-4	Q25	J-1		
IC32	I-4	Q26	J-1		
IC33	H-4	Q27	I-1		
IC34	K-5	Q28	F-2		
IC35	K-5	Q29	D-2		
IC36	J-5	Q30	A-2		
IC37	I-5	Q501	J-7		
IC38	I-5				
IC39	H-5				
IC40	G-5				


PR-48(3/3)
1-609-832-13,14
BVW-40

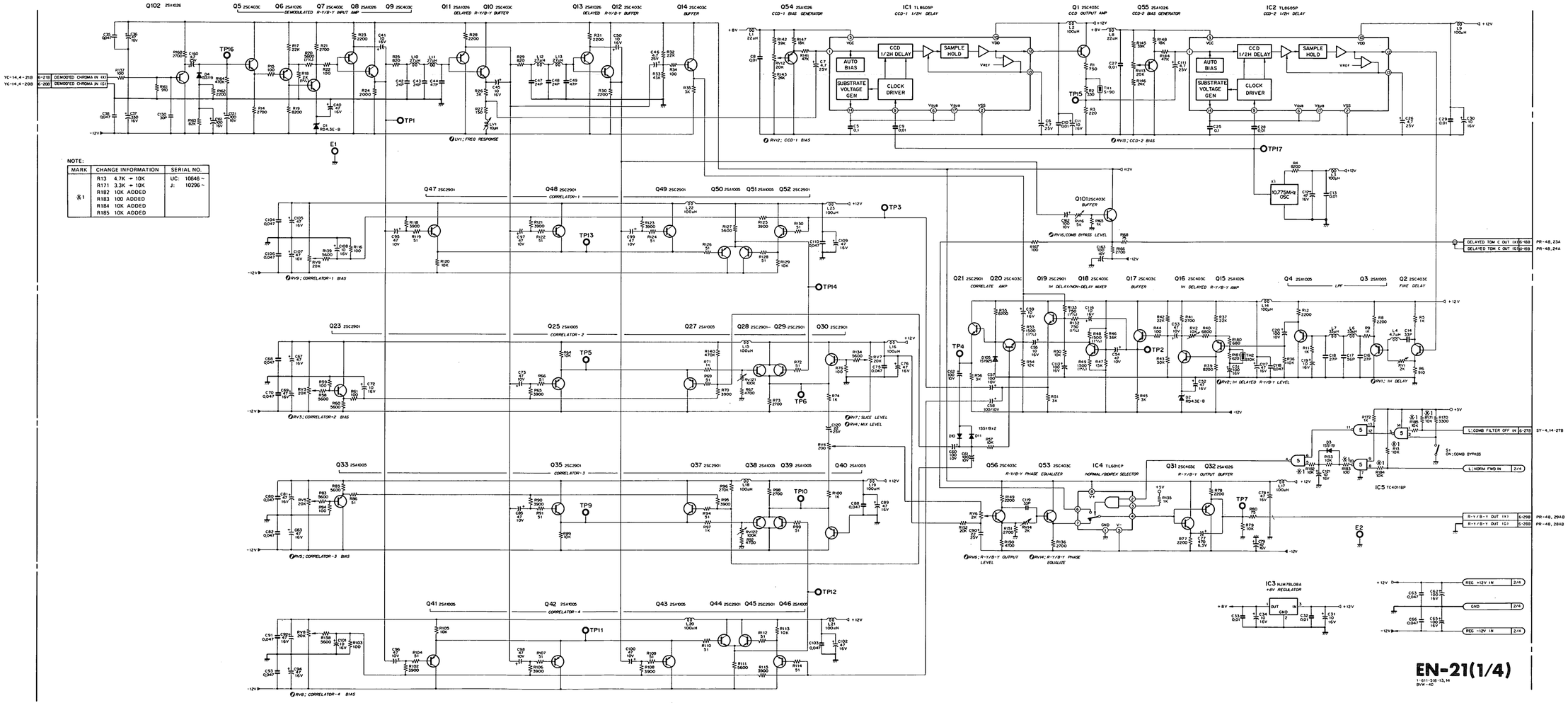
EN-21 EN-21

EN-21 (VIDEO ENCODER)



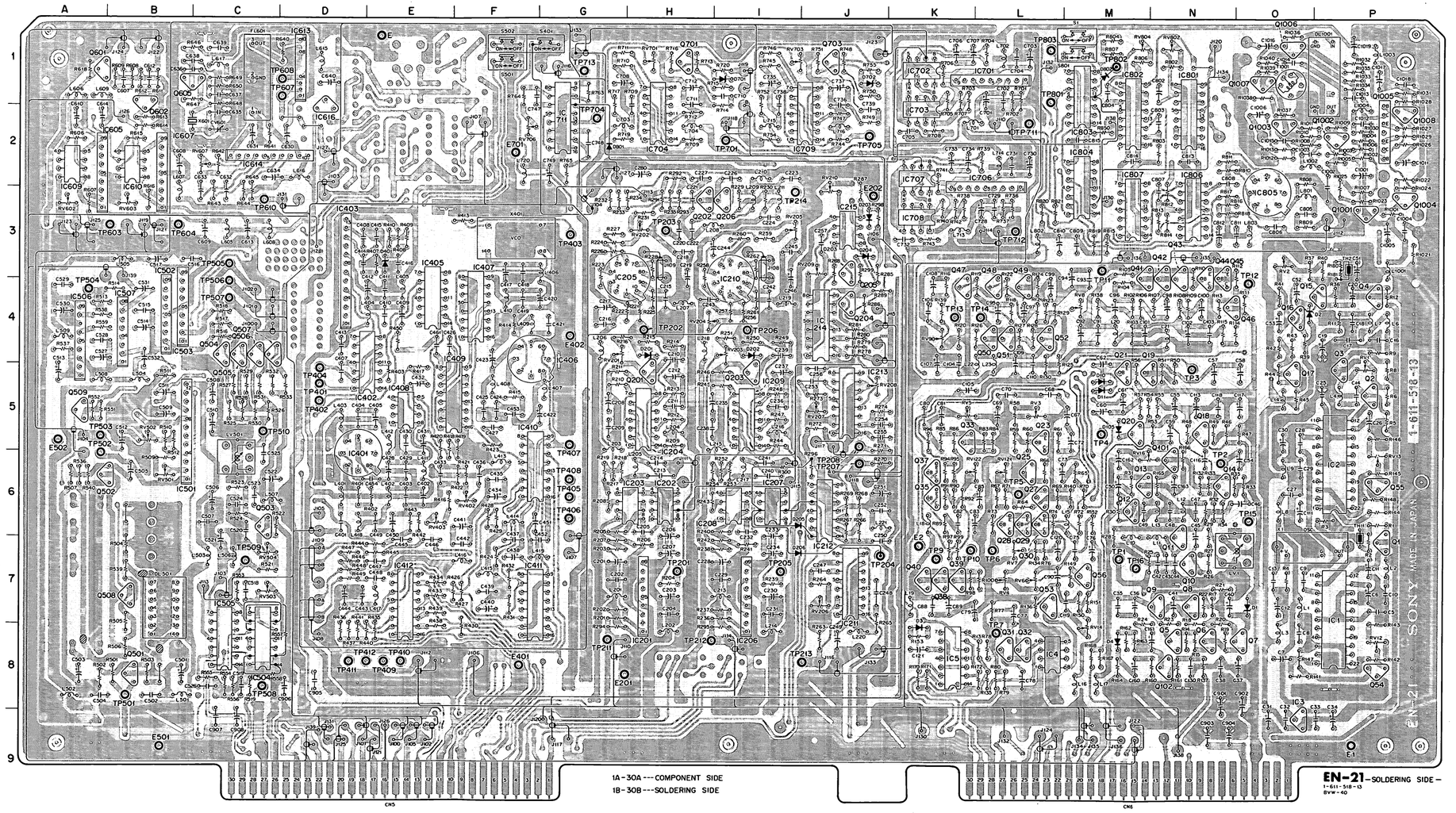
CN5	E - 9	Q1	P - 7	RV1	P - 5	TP705	J - 2
CN6	M - 9	Q2	P - 5	RV2	O - 3	TP711	L - 2
		Q3	P - 5	RV3	L - 5	TP712	L - 3
CV601	C - 2	Q4	P - 4	RV4	L - 7	TP713	G - 1
		Q5	N - 8	RV5	K - 5	TP801	L - 1
D1	O - 7	Q6	N - 8	RV6	N - 7	TP802	M - 1
D2	O - 4	Q7	O - 8	RV7	L - 7	TP803	L - 1
D3	K - 8	Q8	N - 7	RV8	M - 4		
D4	M - 8	Q9	N - 7	RV9	K - 4	X1	O - 7
D10	M - 5	Q10	N - 7	RV12	P - 8	X401	F - 3
D11	M - 5	Q11	N - 7	RV13	P - 6	X601	B - 2
D105	M - 5	Q12	M - 6	RV14	P - 8		
D201	H - 4	Q13	M - 6	RV16	N - 6		
D202	I - 4	Q14	N - 6	RV121	L - 6		
D203	J - 3	Q15	P - 4	RV122	L - 6		
D204	J - 3	Q16	O - 4	RV201	G - 4		
D205	I - 6	Q17	O - 5	RV202	H - 3		
D206	I - 7	Q18	N - 5	RV203	I - 4		
D401	E - 3	Q19	N - 5	RV204	H - 4		
D701	I - 1	Q20	M - 5	RV205	I - 3		
D702	J - 1	Q21	M - 5	RV206	J - 7		
D801	G - 2	Q23	L - 5	RV207	J - 5		
D802	M - 1	Q25	L - 6	RV208	J - 5		
		Q27	L - 6	RV209	J - 3		
DL501	B - 7	Q28	L - 6	RV210	J - 3		
DL1001	P - 1	Q29	L - 6	RV402	E - 6		
		Q30	L - 6	RV403	F - 6		
E	E - 1	Q31	L - 8	RV501	B - 6		
E1	P - 9	Q32	L - 8	RV502	B - 5		
E2	K - 7	Q33	K - 5	RV503	C - 7		
E201	H - 8	Q35	K - 6	RV504	C - 7		
E202	J - 3	Q37	K - 6	RV602	A - 3		
E401	F - 8	Q38	K - 7	RV603	B - 3		
E402	G - 4	Q39	K - 7	RV607	C - 2		
E801	B - 9	Q40	K - 7	RV701	I - 1		
E802	A - 5	Q41	M - 3	RV703	I - 1		
E701	F - 2	Q42	N - 3	RV706	F - 2		
		Q43	N - 3	RV802	N - 1		
FL601	C - 1	Q44	N - 3	RV804	M - 1		
		Q45	N - 3				
IC1	P - 7	Q46	O - 4	S1	M - 1		
IC2	P - 6	Q47	K - 4	S401	G - 1		
IC3	O - 9	Q48	L - 4	S501	F - 1		
IC4	L - 8	Q49	L - 4	S602	B - 1		
IC5	K - 8	Q50	L - 4	S801	M - 1		
IC201	H - 7	Q51	L - 4				
IC202	H - 6	Q52	L - 4	T1001	O - 1		
IC203	H - 6	Q53	L - 7				
IC204	I - 5	Q54	P - 8	TH2	P - 3		
IC205	G - 3	Q55	P - 6	TH11	P - 6		
IC206	I - 7	Q56	M - 7				
IC207	I - 6	Q101	N - 6	TP1	M - 7		
IC208	I - 6	Q102	N - 6	TP2	N - 6		
IC209	I - 5	Q201	H - 5	TP3	N - 5		
IC210	I - 3	Q202	H - 3	TP4	M - 5		
IC211	J - 7	Q203	I - 5	TP5	K - 7		
IC212	J - 6	Q204	J - 4	TP6	L - 7		
IC213	J - 5	Q205	J - 3	TP7	K - 8		
IC214	J - 4	Q206	I - 3	TP9	K - 7		
IC215	J - 3	Q501	B - 8	TP10	K - 7		
IC401	D - 6	Q502	B - 6	TP11	M - 3		
IC402	E - 5	Q503	C - 6	TP12	O - 4		
IC403	D - 3	Q504	C - 4	TP13	K - 4		
IC404	E - 3	Q505	C - 4	TP14	L - 4		
IC405	E - 4	Q506	C - 4	TP15	O - 6		
IC406	F - 4	Q507	C - 4	TP16	M - 7		
IC407	F - 4	Q508	B - 7	TP201	H - 7		
IC408	E - 5	Q509	A - 5	TP202	H - 4		
IC409	F - 5	Q601	A - 1	TP203	H - 3		
IC410	F - 6	Q602	B - 1	TP204	J - 7		
IC411	F - 7	Q605	B - 1	TP205	I - 7		
IC412	E - 7	Q701	H - 1	TP206	I - 4		
IC501	B - 5	Q702	J - 1	TP207	J - 6		
IC502	B - 4	Q1001	P - 3	TP208	J - 5		
IC503	B - 4	Q1002	P - 2	TP211	G - 8		
IC504	C - 8	Q1003	O - 2	TP212	H - 8		
IC505	C - 8	Q1004	P - 3	TP213	J - 8		
IC506	A - 4	Q1005	P - 2	TP214	I - 3		
IC507	B - 4	Q1006	O - 1	TP401	D - 5		
IC605	A - 2	Q1007	O - 1	TP402	D - 5		
IC607	B - 2	Q1008	P - 2	TP403	G - 3		
IC609	A - 2			TP404	D - 3		
IC610	B - 2			TP405	G - 6		
IC613	D - 1			TP406	G - 6		
IC614	C - 2			TP407	G - 5		
IC616	D - 2			TP408	G - 6		
IC701	L - 1			TP409	E - 8		
IC702	K - 1			TP410	E - 8		
IC703	K - 2			TP411	D - 8		
IC704	H - 2			TP412	E - 8		
IC706	L - 2			TP501	B - 8		
IC707	K - 2			TP502	A - 6		
IC708	K - 3			TP503	A - 5		
IC709	J - 2			TP504	A - 4		
IC711	G - 2			TP505	C - 3		
IC801	N - 2			TP506	C - 4		
IC802	M - 2			TP507	C - 4		
IC803	M - 1			TP508	C - 8		
IC804	M - 2			TP509	C - 7		
IC805	O - 3			TP510	C - 5		
IC806	N - 3			TP603	B - 3		
IC807	M - 3			TP604	B - 3		
				TP607	D - 1		
LV1	O - 7			TP608	D - 1		
LV501	C - 6			TP610	C - 3		
				TP701	I - 2		
				TP704	G - 2		

EN-21 (1/4) (CHROMA COMB FILTER)



EN-21 EN-21

EN-21 (VIDEO ENCODER)



CN5 E - 9
CN6 M - 9

CV601 C - 2

D1 O - 7
D2 O - 4
D3 K - 8
D4 M - 8
D10 M - 5
D11 L - 5
D105 M - 5
D201 H - 4
D202 I - 4
D203 J - 3
D204 J - 3
D205 I - 6
D206 I - 7
D401 E - 3
D701 I - 1
D702 J - 1
D801 G - 2
D802 M - 1

DL501 B - 7
DL1001 P - 1

E E - 1
E1 P - 9
E2 K - 7
E201 H - 8
E202 J - 8
E401 F - 8
E402 G - 4
E501 B - 9
E502 A - 5
E701 F - 2

FL601 C - 1

IC1 P - 7
IC2 P - 6
IC3 O - 9
IC4 L - 8
IC5 K - 8
IC201 H - 7
IC202 H - 6
IC203 H - 6
IC204 H - 5
IC205 G - 3
IC206 I - 7
IC207 I - 6
IC208 I - 6
IC209 I - 5
IC210 I - 3
IC211 J - 7
IC212 J - 6
IC213 J - 5
IC214 J - 4
IC215 J - 3
IC401 D - 6
IC402 E - 5
IC403 D - 3
IC404 E - 3
IC405 E - 4
IC406 F - 4
IC407 F - 4
IC408 E - 5
IC409 F - 5
IC410 F - 6
IC411 F - 7
IC412 E - 7
IC501 B - 5
IC502 B - 4
IC503 B - 4
IC504 C - 8
IC505 B - 8
IC506 A - 4
IC507 B - 4
IC601 A - 2
IC607 B - 2
IC608 A - 2
IC610 B - 2
IC613 D - 1
IC614 C - 2
IC616 D - 2
IC701 L - 1
IC702 K - 1
IC703 K - 2
IC704 H - 2
IC705 L - 2
IC707 K - 2
IC708 K - 3
IC709 J - 2
IC711 J - 2
IC801 N - 2
IC802 M - 2
IC803 M - 1
IC804 M - 2
IC805 O - 3
IC806 N - 3
IC807 M - 3

LV1 O - 7
LV501 C - 6

Q1 P - 7
Q2 P - 5
Q3 P - 5
Q4 P - 4
Q5 N - 8
Q6 N - 8
Q7 O - 8
Q8 N - 7
Q9 N - 7
Q10 N - 7
Q11 N - 7
Q12 M - 6
Q13 M - 6
Q14 L - 6
Q15 P - 4
Q16 O - 4
Q17 O - 5
Q18 N - 5
Q19 N - 5
Q21 M - 5
Q23 L - 5
Q25 L - 6
Q27 L - 6
Q28 L - 6
Q29 L - 6
Q30 L - 6
Q31 L - 8
Q32 L - 8
Q33 K - 5
Q35 K - 6
Q37 K - 6
Q38 K - 7
Q39 K - 7
Q40 K - 7
Q41 M - 3
Q42 N - 3
Q43 N - 3
Q44 N - 3
Q45 N - 3
Q46 O - 4
Q47 K - 4
Q48 L - 4
Q49 L - 4
Q50 L - 4
Q51 L - 4
Q52 L - 4
Q53 L - 7
Q54 P - 8
Q55 P - 6
Q56 M - 7
Q101 N - 6
Q102 N - 8
Q201 H - 5
Q202 H - 3
Q203 I - 5
Q204 J - 4
Q205 J - 3
Q206 I - 3
Q501 B - 8
Q502 B - 6
Q503 C - 6
Q504 C - 4
Q505 C - 4
Q506 C - 4
Q507 C - 4
Q508 B - 7
Q509 A - 5
Q601 A - 1
Q602 B - 1
Q605 B - 1
Q701 H - 1
Q703 J - 1
Q1001 P - 3
Q1002 P - 2
Q1003 O - 2
Q1004 P - 3
Q1005 P - 2
Q1006 O - 1
Q1007 O - 1
Q1008 P - 2

RV1 P - 5
RV2 O - 3
RV3 L - 5
RV4 L - 7
RV5 K - 5
RV6 N - 7
RV7 L - 7
RV8 M - 4
RV9 K - 4
RV12 P - 8
RV13 P - 8
RV14 M - 8
RV16 N - 6
RV121 L - 6
RV122 L - 6
RV201 G - 4
RV202 H - 3
RV203 I - 4
RV204 H - 4
RV205 I - 3
RV206 J - 7
RV207 J - 5
RV208 J - 5
RV209 J - 3
RV210 J - 3
RV402 F - 6
RV403 E - 6
RV501 B - 6
RV502 B - 5
RV503 C - 7
RV504 C - 7
RV602 A - 3
RV603 B - 3
RV607 D - 2
RV701 H - 1
RV703 I - 1
RV706 F - 2
RV802 N - 1
RV804 M - 1

S1 M - 1
S401 G - 1
S501 F - 1
S502 F - 1
S801 M - 1

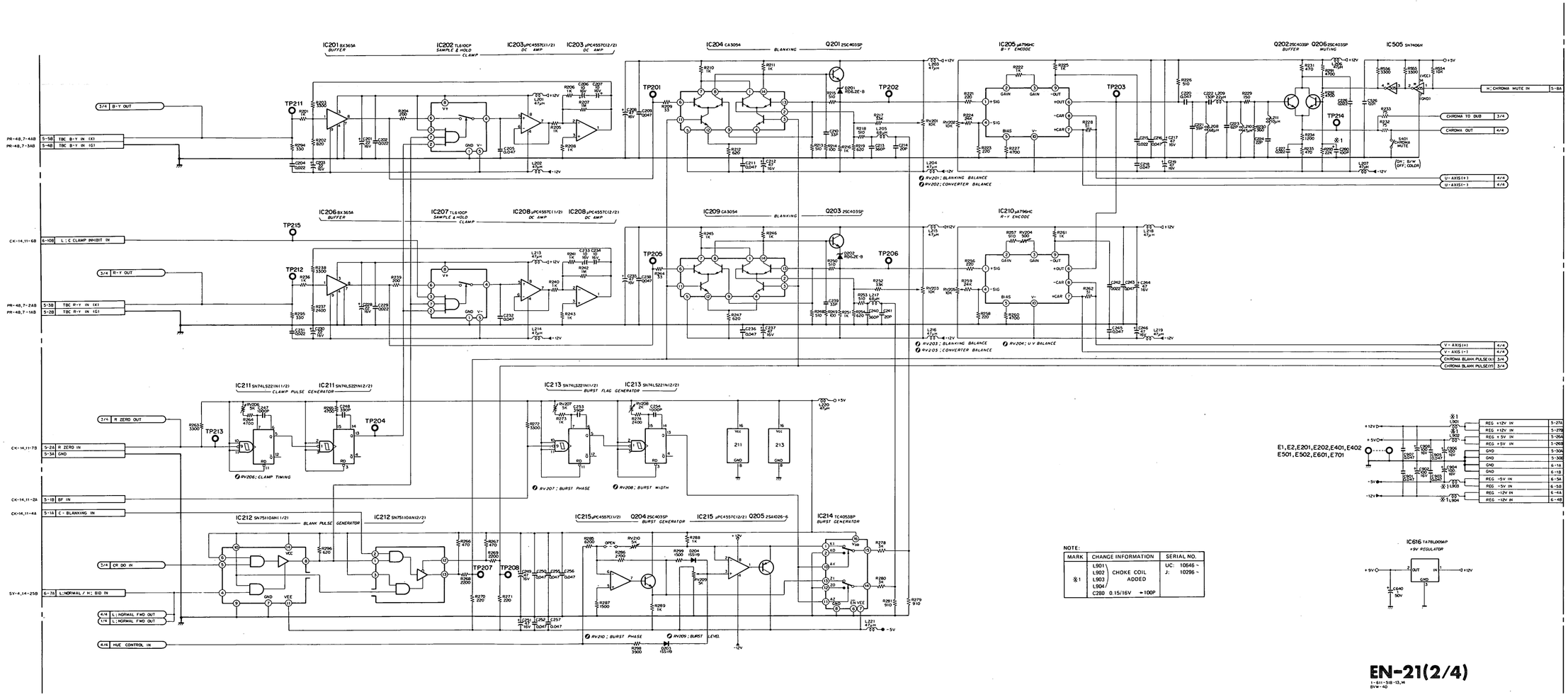
T1001 O - 1

TH2 P - 3
TH11 P - 6

TP1 M - 7
TP2 N - 6
TP3 N - 5
TP4 L - 5
TP5 L - 6
TP6 L - 7
TP7 L - 8
TP9 K - 7
TP10 K - 7
TP11 M - 3
TP12 O - 4
TP13 K - 4
TP14 L - 4
TP15 O - 6
TP16 M - 7
TP201 H - 7
TP202 H - 4
TP203 H - 3
TP204 J - 7
TP205 I - 7
TP206 I - 4
TP207 J - 6
TP208 J - 5
TP211 G - 8
TP212 H - 8
TP213 J - 8
TP214 I - 3
TP401 D - 5
TP402 D - 5
TP403 G - 3
TP404 D - 5
TP405 G - 6
TP406 G - 6
TP407 G - 5
TP408 G - 6
TP409 E - 8
TP410 E - 8
TP411 D - 8
TP412 E - 8
TP501 B - 8
TP502 A - 6
TP503 A - 5
TP504 A - 4
TP505 C - 3
TP506 C - 4
TP507 C - 4
TP508 C - 8
TP509 C - 7
TP510 C - 5
TP603 B - 3
TP604 B - 3
TP607 D - 1
TP608 D - 1
TP610 C - 3
TP701 I - 2
TP704 G - 2
TP705 J - 2
TP711 L - 2
TP712 L - 3
TP713 G - 1
TP801 L - 1
TP802 M - 1
TP803 L - 1

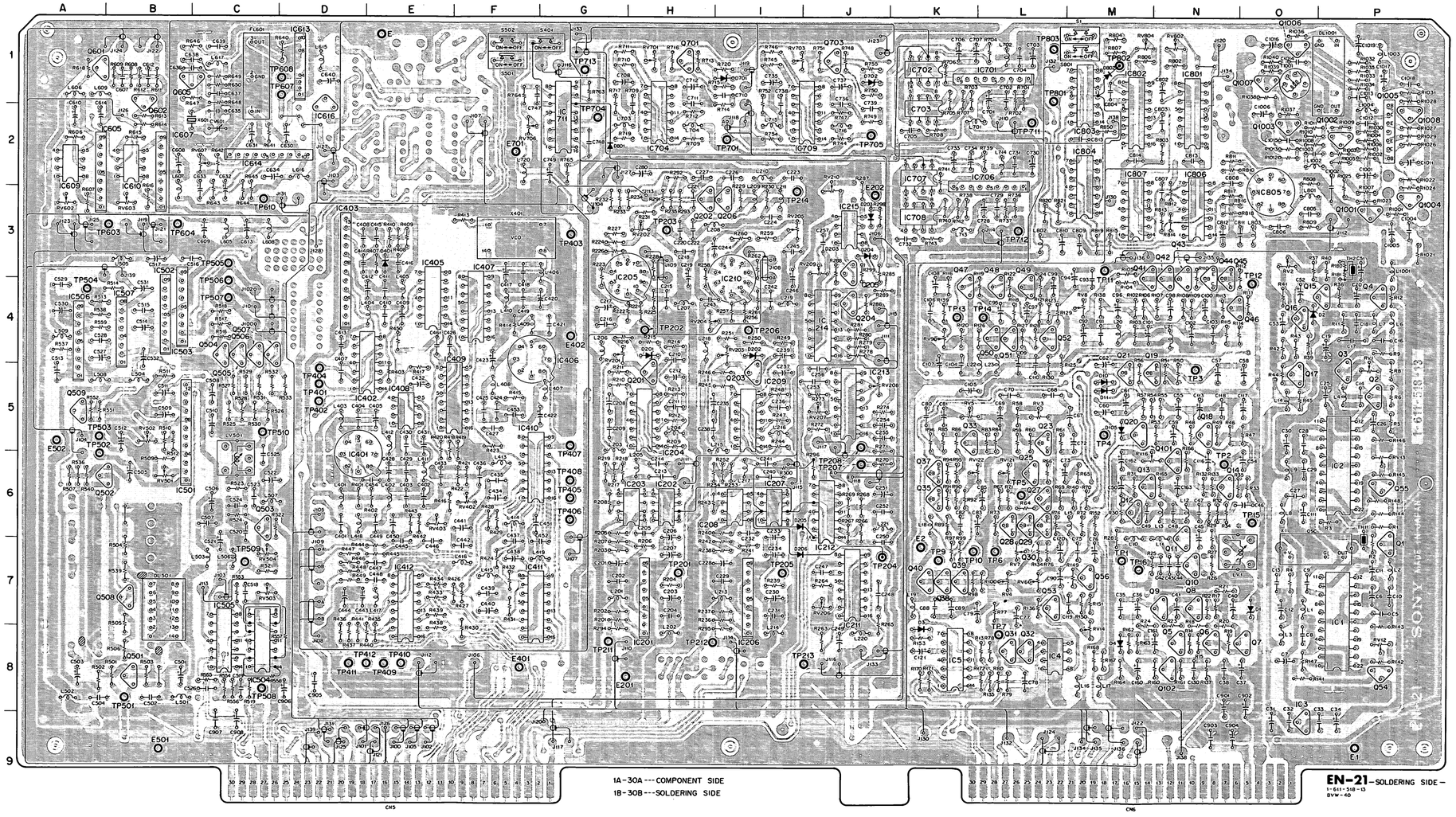
X1 O - 7
X401 F - 3
X601 B - 2

EN-21 (2/4) (VIDEO ENCODER)



EN-21 EN-21

EN-21 (VIDEO ENCODER)



CN5 E - 9
CN6 M - 9

CV601 C - 2

D1 O - 7
D2 O - 4
D3 K - 8
D4 M - 8
D10 M - 5
D11 M - 5
D105 M - 5
D201 H - 4
D202 I - 4
D203 J - 3
D204 J - 3
D205 I - 6
D206 I - 7
D401 E - 3
D701 I - 1
D702 J - 1
D801 G - 2
D802 M - 1

DL501 B - 7
DL1001 P - 1

E E - 1
E1 P - 9
E2 K - 7
E201 H - 8
E202 J - 3
E401 F - 8
E402 G - 4
E501 B - 9
E502 A - 5
E701 P - 2

FL601 C - 1

IC1 P - 7
IC2 P - 6
IC3 O - 9
IC4 L - 8
IC5 K - 8
IC201 H - 7
IC202 H - 6
IC203 H - 6
IC204 H - 5
IC205 G - 3
IC206 I - 7
IC207 I - 6
IC208 I - 6
IC209 I - 5
IC210 I - 3
IC211 J - 7
IC212 J - 6
IC213 J - 5
IC214 J - 4
IC215 J - 3
IC401 D - 6
IC402 E - 5
IC403 D - 3
IC404 E - 3
IC405 E - 4
IC406 F - 4
IC407 F - 4
IC408 E - 5
IC409 F - 5
IC410 F - 6
IC411 F - 7
IC412 E - 7
IC501 B - 5
IC502 B - 4
IC503 B - 4
IC504 C - 8
IC505 C - 8
IC506 A - 4
IC507 B - 4
IC605 A - 2
IC607 B - 2
IC609 A - 2
IC610 B - 2
IC613 D - 1
IC614 C - 2
IC616 D - 2
IC701 L - 1
IC702 K - 1
IC703 K - 2
IC704 H - 2
IC706 L - 2
IC707 K - 2
IC708 K - 3
IC709 J - 2
IC711 G - 2
IC801 N - 2
IC802 M - 2
IC803 M - 1
IC804 M - 2
IC805 O - 3
IC806 N - 3
IC807 M - 3

LV1 O - 7
LV501 C - 6

Q1 P - 7
Q2 P - 5
Q3 P - 5
Q4 P - 4
Q5 N - 8
Q6 N - 8
Q7 O - 8
Q8 N - 7
Q9 N - 7
Q10 N - 7
Q11 N - 7
Q12 M - 6
Q13 M - 6
Q14 P - 4
Q15 P - 4
Q16 O - 4
Q17 O - 5
Q18 N - 5
Q19 N - 5
Q201 M - 5
Q21 M - 5
Q23 L - 5
Q25 L - 6
Q27 L - 6
Q28 L - 6
Q29 L - 6
Q30 L - 6
Q31 L - 8
Q32 K - 8
Q33 K - 5
Q35 K - 6
Q37 K - 6
Q38 K - 7
Q39 K - 7
Q40 K - 7
Q41 M - 3
Q42 N - 3
Q43 N - 3
Q44 N - 3
Q45 N - 3
Q46 O - 4
Q47 K - 4
Q48 L - 4
Q49 L - 4
Q50 L - 4
Q51 L - 4
Q52 L - 4
Q53 L - 7
Q54 P - 8
Q55 P - 6
Q56 M - 7
Q101 N - 6
Q102 N - 8
Q201 H - 5
Q202 H - 3
Q203 I - 5
Q204 J - 4
Q205 J - 3
Q206 I - 3
Q501 B - 8
Q502 B - 6
Q503 C - 6
Q504 C - 4
Q505 C - 4
Q506 C - 4
Q507 C - 4
Q508 B - 7
Q509 A - 5
Q601 A - 1
Q602 B - 1
Q605 B - 1
Q606 B - 1
Q701 I - 1
Q703 J - 1
Q1001 P - 3
Q1002 P - 2
Q1003 O - 2
Q1004 P - 3
Q1005 P - 2
Q1006 O - 1
Q1007 O - 1
Q1008 P - 2

RV1 P - 5
RV2 O - 3
RV3 L - 5
RV4 L - 7
RV5 K - 5
RV6 N - 7
RV7 L - 7
RV8 M - 4
RV9 K - 4
RV12 P - 8
RV13 P - 6
RV14 M - 8
RV16 N - 6
RV121 L - 6
RV122 L - 6
RV201 G - 4
RV202 H - 3
RV203 I - 4
RV204 H - 4
RV205 I - 3
RV206 J - 7
RV207 J - 5
RV208 J - 5
RV209 J - 3
RV210 J - 3
RV401 G - 8
RV403 E - 6
RV501 B - 6
RV502 B - 5
RV503 C - 7
RV504 C - 7
RV602 A - 3
RV603 B - 3
RV607 C - 2
RV701 H - 1
RV703 I - 1
RV706 F - 2
RV802 N - 1
RV804 M - 1

S1 M - 1
S401 G - 1
S501 B - 4
S502 F - 1
S801 M - 1

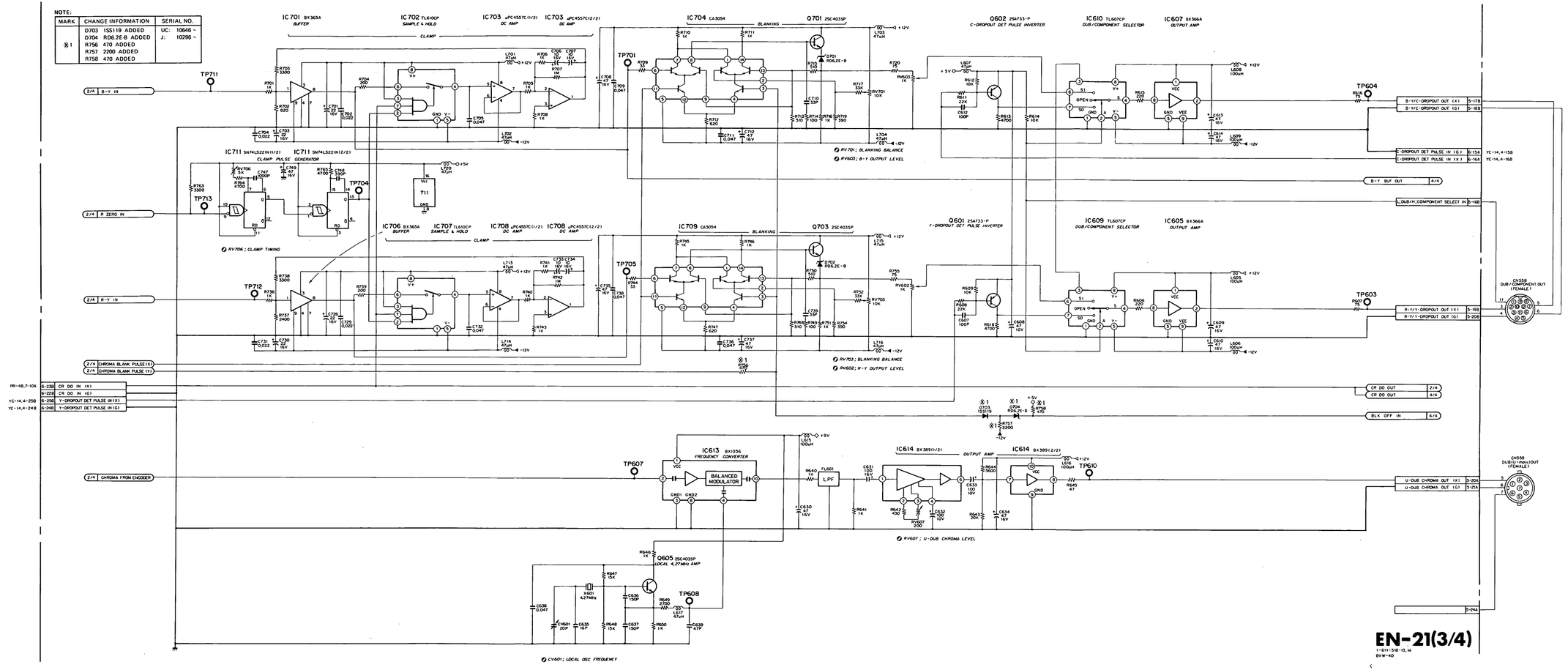
T1001 O - 1

TH2 P - 3
TH11 P - 6

TP1 M - 7
TP2 N - 6
TP3 N - 5
TP4 N - 5
TP5 L - 6
TP6 L - 7
TP7 L - 8
TP9 K - 7
TP10 K - 7
TP11 M - 3
TP12 O - 4
TP13 K - 4
TP14 L - 4
TP15 O - 6
TP16 M - 7
TP201 H - 7
TP202 H - 4
TP203 H - 3
TP204 J - 7
TP205 I - 7
TP206 F - 4
TP207 J - 6
TP208 J - 5
TP211 G - 8
TP212 H - 8
TP213 J - 8
TP214 J - 3
TP401 D - 5
TP402 D - 5
TP403 E - 3
TP404 D - 5
TP405 G - 6
TP406 G - 6
TP407 G - 5
TP408 G - 6
TP409 E - 8
TP410 E - 8
TP411 D - 8
TP412 E - 8
TP501 B - 8
TP502 A - 6
TP503 A - 5
TP504 A - 4
TP505 C - 3
TP506 C - 4
TP507 C - 4
TP508 C - 8
TP509 C - 7
TP510 C - 5
TP603 B - 3
TP604 B - 3
TP607 D - 1
TP608 D - 1
TP610 C - 3
TP701 I - 2
TP704 G - 2
TP705 J - 2
TP711 L - 2
TP712 L - 3
TP713 G - 1
TP801 L - 1
TP802 M - 1
TP803 L - 1

X1 O - 7
X401 F - 3
X601 B - 2

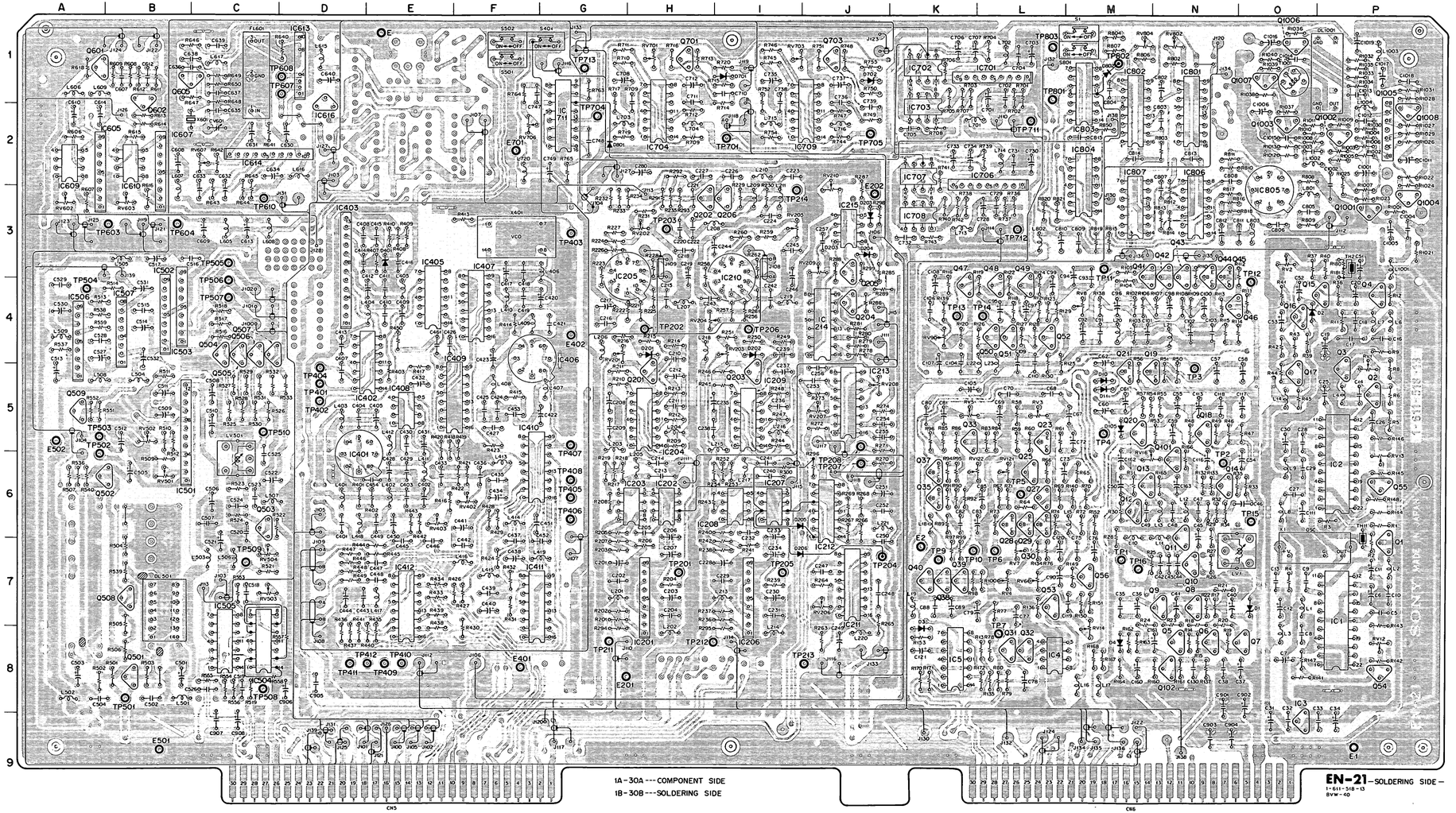
EN-21 (3/4) (VIDEO ENCODER)



EN-21 EN-21

EN-21 (VIDEO ENCODER)

UP TO S/N 10645 (UC)
UP TO S/N 10295 (J)



18-140 (a)

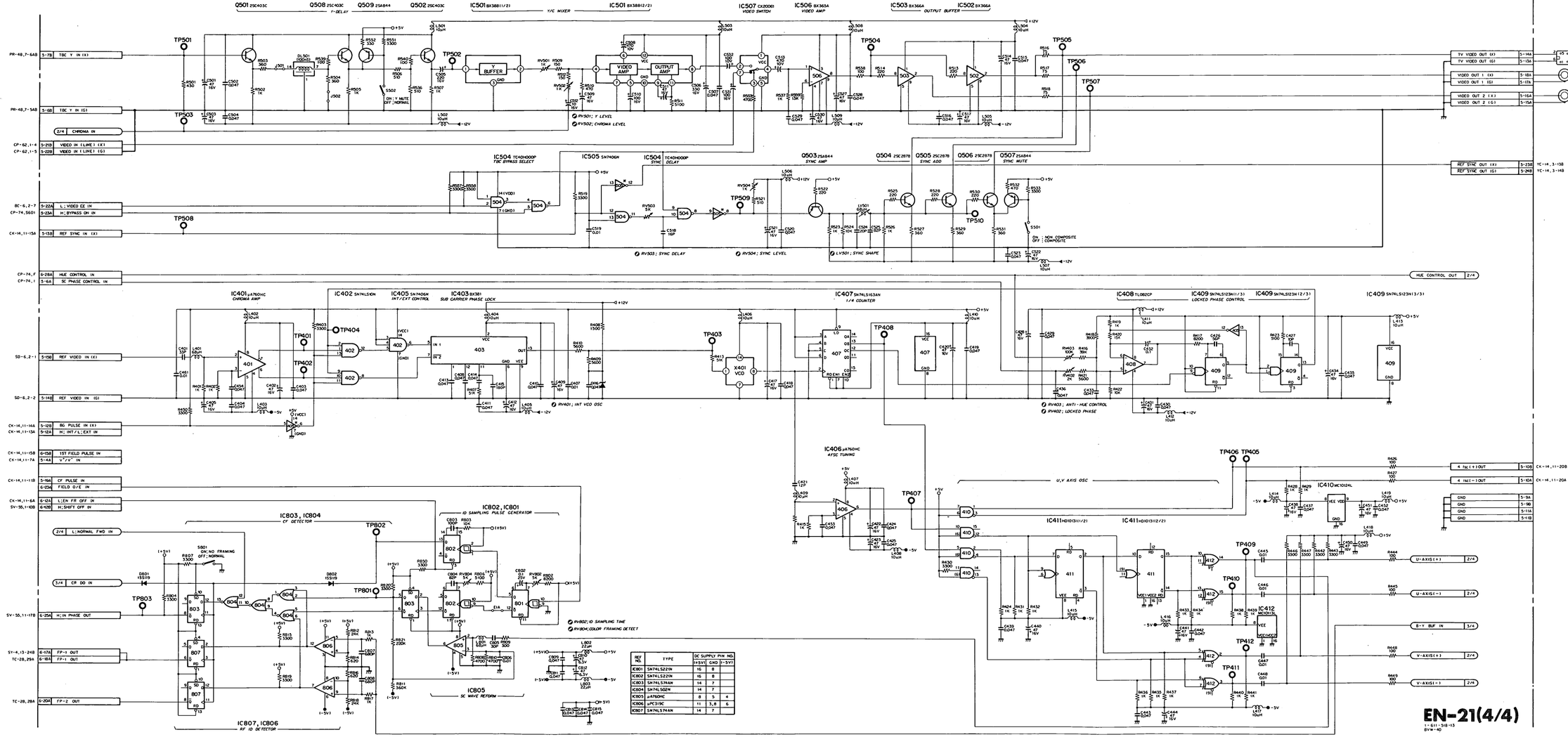
18-141 (a)

CN5	E - 9	Q1	P - 7	RV1	P - 5	TP705	J - 2				
CN6	M - 9	Q2	P - 5	RV2	O - 3	TP711	L - 2				
		Q3	P - 5	RV3	L - 5	TP712	L - 3				
CV601	C - 2	Q4	P - 4	RV4	L - 7	TP713	G - 1				
		Q5	N - 8	RV5	K - 5	TP801	L - 1				
D1	O - 7	Q6	N - 8	RV6	N - 7	TP802	M - 1				
D2	O - 4	Q7	O - 8	RV7	L - 7	TP803	L - 1				
D3	K - 8	Q8	N - 7	RV8	M - 4						
D4	M - 8	Q9	N - 7	RV9	K - 4	X1	O - 7				
D10	M - 5	Q10	N - 7	RV12	P - 8	X401	F - 3				
D11	M - 5	Q11	N - 7	RV13	P - 6	X601	B - 2				
D105	M - 5	Q12	M - 6	RV14	M - 8						
D201	H - 4	Q13	M - 6	RV16	N - 6						
D202	I - 4	Q14	N - 6	RV121	L - 6						
D203	J - 3	Q15	P - 4	RV122	L - 6						
D204	J - 3	Q16	O - 4	RV201	G - 4						
D205	I - 6	Q17	O - 5	RV202	H - 3						
D206	I - 7	Q18	N - 5	RV203	I - 4						
D401	E - 3	Q19	N - 5	RV204	H - 4						
D701	I - 1	Q20	M - 5	RV205	I - 3						
D702	J - 1	Q21	M - 5	RV206	J - 7						
D801	G - 2	Q23	L - 5	RV207	J - 5						
D802	M - 1	Q25	L - 6	RV208	J - 5						
		Q27	L - 6	RV209	J - 3						
DL501	B - 7	Q28	L - 6	RV210	J - 3						
DL1001	P - 1	Q29	L - 6	RV402	E - 6						
		Q30	L - 6	RV403	E - 6						
E	E - 1	Q31	L - 8	RV501	B - 6						
E1	K - 8	Q32	K - 5	RV502	B - 5						
E2	K - 7	Q33	K - 5	RV503	C - 7						
E201	H - 8	Q35	K - 6	RV504	C - 7						
E202	J - 3	Q37	K - 6	RV602	A - 3						
E401	F - 8	Q38	K - 7	RV603	B - 3						
E402	G - 4	Q39	K - 7	RV607	C - 2						
E501	B - 5	Q40	K - 7	RV701	I - 1						
E502	A - 5	Q41	M - 3	RV703	I - 1						
E701	F - 2	Q42	N - 3	RV706	F - 2						
		Q43	N - 3	RV802	N - 1						
FL601	C - 1	Q44	N - 3	RV804	M - 1						
		Q45	N - 3								
IC1	P - 7	Q46	O - 4	S1	M - 1						
IC2	P - 6	Q47	K - 4	S401	G - 1						
IC3	O - 7	Q48	L - 4	S501	I - 1						
IC4	L - 8	Q49	L - 4	S502	F - 1						
IC5	K - 8	Q50	L - 4	S801	M - 1						
IC201	H - 7	Q51	L - 4								
IC202	H - 6	Q52	L - 4	T1001	O - 1						
IC203	H - 6	Q53	P - 7								
IC204	H - 6	Q54	P - 6	TH2	P - 3						
IC205	G - 3	Q55	P - 6	TH11	P - 6						
IC206	I - 7	Q56	M - 7								
IC207	I - 6	Q101	M - 6	TP1	M - 7						
IC208	I - 6	Q102	N - 8	TP2	N - 6						
IC209	I - 5	Q201	H - 5	TP3	N - 5						
IC210	I - 3	Q202	H - 3	TP4	M - 5						
IC211	J - 7	Q203	I - 5	TP5	L - 6						
IC212	J - 6	Q204	J - 4	TP6	L - 7						
IC213	J - 5	Q205	J - 3	TP7	L - 8						
IC214	J - 4	Q206	I - 3	TP9	K - 7						
IC215	J - 3	Q501	B - 8	TP10	K - 7						
IC401	D - 6	Q502	C - 6	TP11	I - 3						
IC402	E - 5	Q503	C - 6	TP12	O - 4						
IC403	D - 3	Q504	C - 4	TP13	K - 4						
IC404	E - 3	Q505	C - 4	TP14	L - 4						
IC405	E - 4	Q506	C - 4	TP15	O - 6						
IC406	F - 4	Q507	C - 4	TP16	M - 7						
IC407	F - 4	Q508	B - 7	TP201	H - 7						
IC408	E - 5	Q509	A - 5	TP202	H - 4						
IC409	F - 5	Q601	A - 1	TP203	H - 3						
IC410	F - 6	Q602	B - 1	TP204	J - 7						
IC411	E - 7	Q605	B - 1	TP205	I - 7						
IC412	E - 7	Q701	H - 1	TP206	I - 6						
IC501	B - 5	Q703	J - 1	TP207	J - 6						
IC502	B - 4	Q1001	P - 3	TP208	J - 5						
IC503	B - 4	Q1002	P - 2	TP211	G - 8						
IC504	C - 8	Q1003	O - 2	TP212	H - 8						
IC505	C - 8	Q1004	P - 3	TP213	J - 8						
IC506	A - 4	Q1005	P - 2	TP214	I - 3						
IC507	B - 4	Q1006	O - 1	TP401	D - 5						
IC605	A - 2	Q1007	O - 1	TP402	D - 5						
IC607	B - 2	Q1008	P - 2	TP403	G - 3						
IC609	A - 2			TP404	D - 5						
IC610	B - 2			TP405	G - 6						
IC613	D - 1			TP406	G - 6						
IC614	C - 2			TP407	G - 5						
IC616	D - 2			TP408	G - 6						
IC701	L - 1			TP409	E - 8						
IC702	K - 1			TP410	E - 8						
IC703	K - 2			TP411	D - 8						
IC704	H - 2			TP412	E - 8						
IC706	L - 2			TP501	B - 8						
IC707	K - 2			TP502	A - 6						
IC708	K - 3			TP503	A - 5						
IC709	J - 2			TP504	A - 4						
IC711	G - 2			TP505	C - 3						
IC801	N - 2			TP506	C - 4						
IC802	M - 2			TP507	C - 4						
IC803	M - 1			TP508	C - 8						
IC804	M - 2			TP509	C - 7						
IC805	O - 3			TP510	C - 5						
IC806	N - 3			TP603	B - 3						
IC807	M - 3			TP604	B - 3						
				TP607	D - 1						
LV1	O - 7			TP608	D - 1						
LV501	C - 6			TP610	C - 3						
				TP701	I - 2						
				TP704	G - 2						

18-142 (a)

UP TO S/N 10645 (UC)
UP TO S/N 10295 (J)

EN-21 (4/4) (VIDEO ENCODER)

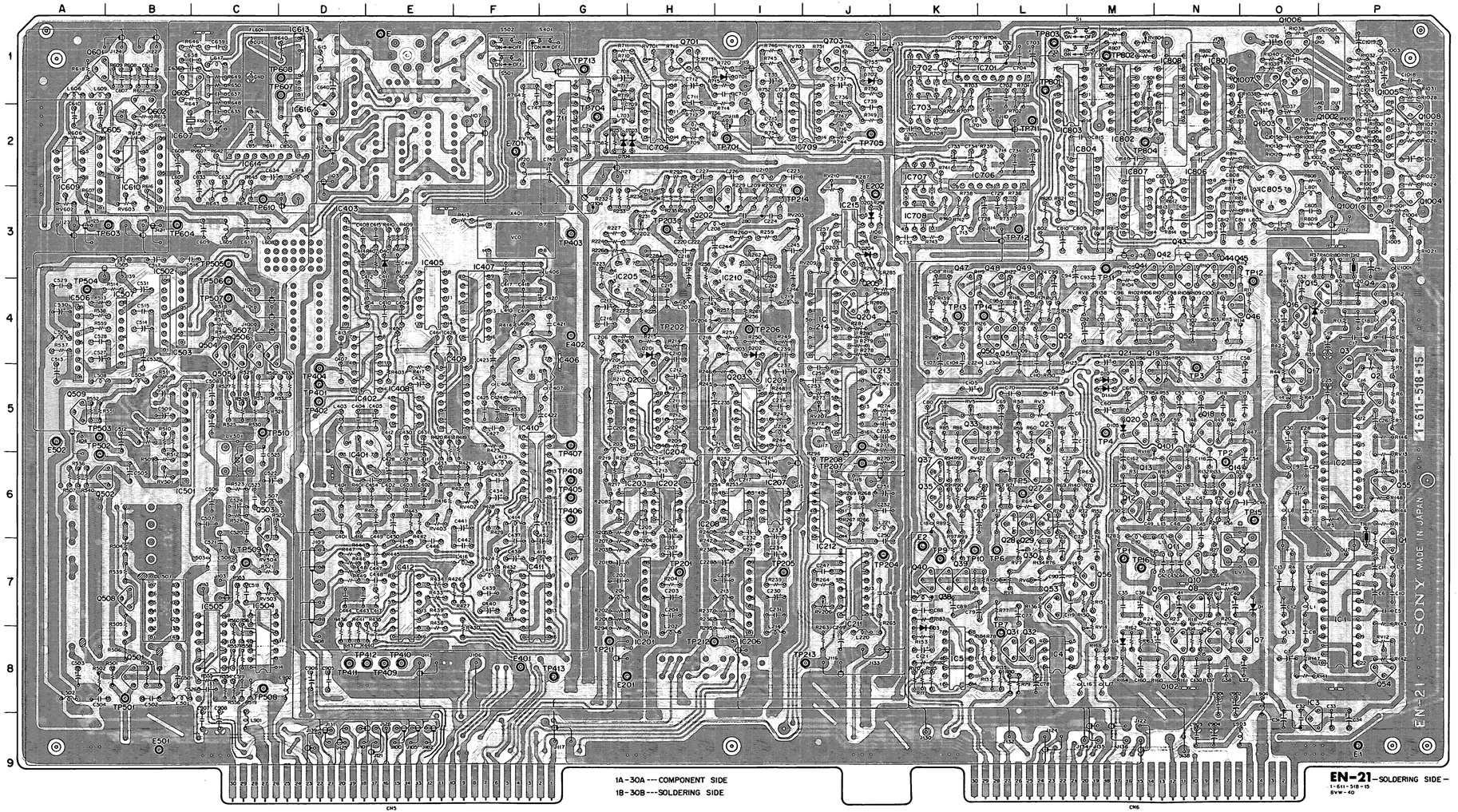


REF NO.	TYPE	DC SUPPLY PIN NO. (+5V)	GND	(-5V)
IC801	SN74LS221N	16	8	
IC802	SN74LS221N	16	8	
IC803	SN74LS74AN	14	7	
IC804	SN74LS02N	14	7	
IC805	μPA760HC	8	5	4
IC806	μPC319C	11	3,8	6
IC807	SN74LS74AN	14	7	

EN-21 EN-21

EN-21 (VIDEO ENCODER)

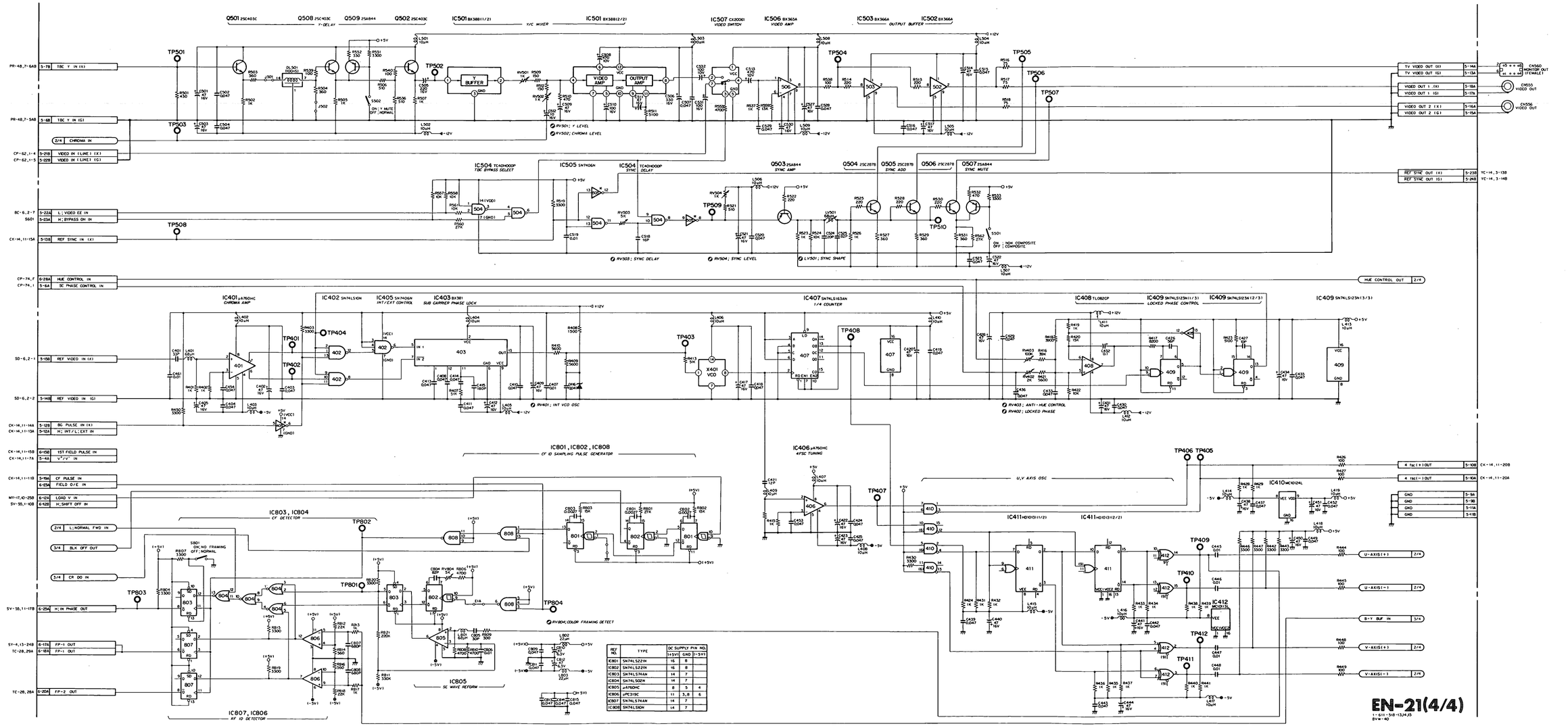
S/N 10646 AND LATER (UC)
S/N 10296 AND LATER (J)



CN5	E - 9	GJ	P - 7	RV1	P - 5	TP610	C - 3
CN6	M - 9	G2	P - 5	RV2	O - 3	TP701	I - 2
		G3	P - 5	RV3	L - 5	TP704	G - 2
CV601	C - 2	G4	N - 1	RV4	L - 7	TP705	J - 2
		G5	N - 8	RV5	K - 5	TP711	L - 2
D1	O - 7	G6	N - 8	RV6	N - 7	TP712	L - 3
D2	O - 7	G7	N - 7	RV7	L - 7	TP713	G - 1
D3	K - 8	G8	N - 7	RV8	M - 4	TP801	L - 1
D4	M - 8	G9	N - 7	RV9	K - 4	TP802	M - 1
D10	M - 5	G10	N - 7	RV12	P - 8	TP803	L - 1
D11	M - 5	G11	N - 7	RV13	P - 6	TP804	M - 2
D105	M - 5	G12	M - 6	RV14	M - 8		
D201	H - 4	G13	M - 6	RV16	N - 4	X1	O - 7
D202	I - 4	G14	N - 6	RV121	L - 6	X401	F - 3
D203	J - 3	G15	D - 4	RV122	L - 6	X601	B - 2
D204	J - 3	G16	O - 4	RV201	G - 4		
D401	K - 3	G17	O - 5	RV202	H - 3		
D701	I - 1	G18	N - 5	RV203	I - 4		
D702	J - 1	G19	N - 5	RV204	H - 4		
D703	H - 2	G20	M - 5	RV205	I - 3		
D704	G - 2	G21	M - 5	RV206	J - 7		
		G23	L - 6	RV207	J - 3		
DL501	B - 7	G25	L - 6	RV208	J - 5		
DL1001	P - 1	G26	L - 6	RV209	J - 3		
		G27	L - 6	RV210	J - 3		
E	E - 1	G28	L - 6	RV402	F - 6		
E1	K - 9	G29	L - 6	RV403	F - 6		
E2	K - 7	G30	L - 8	RV501	B - 6		
E201	H - 8	G31	L - 8	RV502	B - 5		
E202	J - 3	G32	L - 8	RV503	B - 7		
E401	F - 8	G33	L - 8	RV504	C - 7		
E402	G - 4	G35	K - 6	RV602	A - 3		
E501	B - 9	G37	K - 6	RV603	B - 3		
E502	A - 5	G38	K - 7	RV607	C - 2		
E701	F - 2	G39	K - 7	RV701	H - 1		
		G40	K - 7	RV703	M - 1		
FL601	C - 1	G41	N - 3	RV706	F - 2		
		G42	N - 3	RV804	M - 1		
IC1	P - 7	G43	N - 3				
IC2	P - 6	G44	N - 3	S1	M - 1		
IC3	P - 9	G45	N - 3	S401	G - 1		
IC4	K - 8	G46	O - 4	S501	F - 1		
IC5	K - 8	G47	K - 4	S502	F - 1		
IC201	H - 7	G48	L - 4	S801	M - 1		
IC202	H - 6	G49	L - 4				
IC203	H - 6	G50	L - 4	T1001	O - 1		
IC204	H - 5	G51	L - 4				
IC205	G - 3	G52	L - 4	TH2	P - 3		
IC206	I - 7	G53	L - 7	TH11	P - 6		
IC207	I - 6	G54	P - 8				
IC208	I - 6	G55	P - 6	TP1	M - 7		
IC209	I - 5	G56	M - 7	TP2	N - 6		
IC210	I - 3	G101	N - 6	TP3	N - 5		
IC211	J - 7	G102	N - 6	TP4	M - 5		
IC212	J - 6	G201	H - 5	TP5	L - 6		
IC213	J - 5	G202	H - 3	TP6	L - 7		
IC214	J - 4	G203	I - 5	TP7	L - 8		
IC215	J - 3	G204	J - 4	TP9	K - 7		
IC401	D - 6	G205	J - 3	TP10	K - 3		
IC402	E - 5	G206	J - 3	TP11	M - 3		
IC403	D - 3	G501	B - 8	TP12	O - 4		
IC404	D - 3	G502	B - 6	TP13	K - 4		
IC405	E - 4	G503	B - 6	TP14	L - 4		
IC406	E - 4	G504	C - 4	TP15	L - 5		
IC407	F - 4	G505	C - 4	TP16	M - 7		
IC408	E - 5	G506	C - 4	TP201	H - 7		
IC409	F - 5	G507	C - 4	TP202	H - 4		
IC410	F - 6	G508	B - 7	TP203	H - 3		
IC411	F - 7	G509	A - 5	TP204	J - 7		
IC412	E - 7	G601	A - 1	TP205	I - 7		
IC501	B - 5	G602	B - 1	TP206	I - 6		
IC502	B - 4	G605	B - 1	TP207	J - 6		
IC503	B - 4	G701	H - 1	TP208	J - 5		
IC504	C - 8	G703	J - 1	TP211	G - 8		
IC505	C - 8	Q1001	P - 3	TP212	H - 8		
IC506	A - 8	Q1002	P - 2	TP213	I - 8		
IC507	B - 4	Q1003	P - 3	TP214	I - 3		
IC508	A - 2	Q1004	P - 3	TP401	D - 5		
IC509	A - 2	Q1005	P - 2	TP402	D - 5		
IC510	B - 2	Q1006	O - 1	TP403	G - 3		
IC513	B - 2	Q1007	O - 1	TP404	D - 5		
IC614	C - 2	Q1008	P - 2	TP405	G - 6		
IC616	D - 2			TP406	G - 6		
IC701	L - 1			TP407	G - 5		
IC702	K - 1			TP408	G - 6		
IC703	K - 2			TP409	E - 8		
IC704	H - 2			TP410	E - 8		
IC706	L - 2			TP411	E - 8		
IC707	K - 2			TP412	E - 8		
IC708	K - 3			TP413	G - 8		
IC709	J - 2			TP501	B - 8		
IC711	L - 2			TP502	A - 6		
IC801	N - 1			TP503	A - 5		
IC802	M - 1			TP504	A - 4		
IC803	M - 1			TP505	C - 3		
IC804	M - 2			TP506	C - 4		
IC805	O - 3			TP507	C - 4		
IC806	O - 3			TP508	C - 6		
IC807	M - 3			TP509	C - 7		
IC808	N - 1			TP510	C - 5		
				TP603	B - 3		
LV1	O - 7			TP604	B - 3		
LV501	C - 6			TP607	D - 1		
				TP608	D - 1		

EN-21 (4/4) (VIDEO ENCODER)

S/N 10646 AND LATER (UC)
S/N 10296 AND LATER (J)



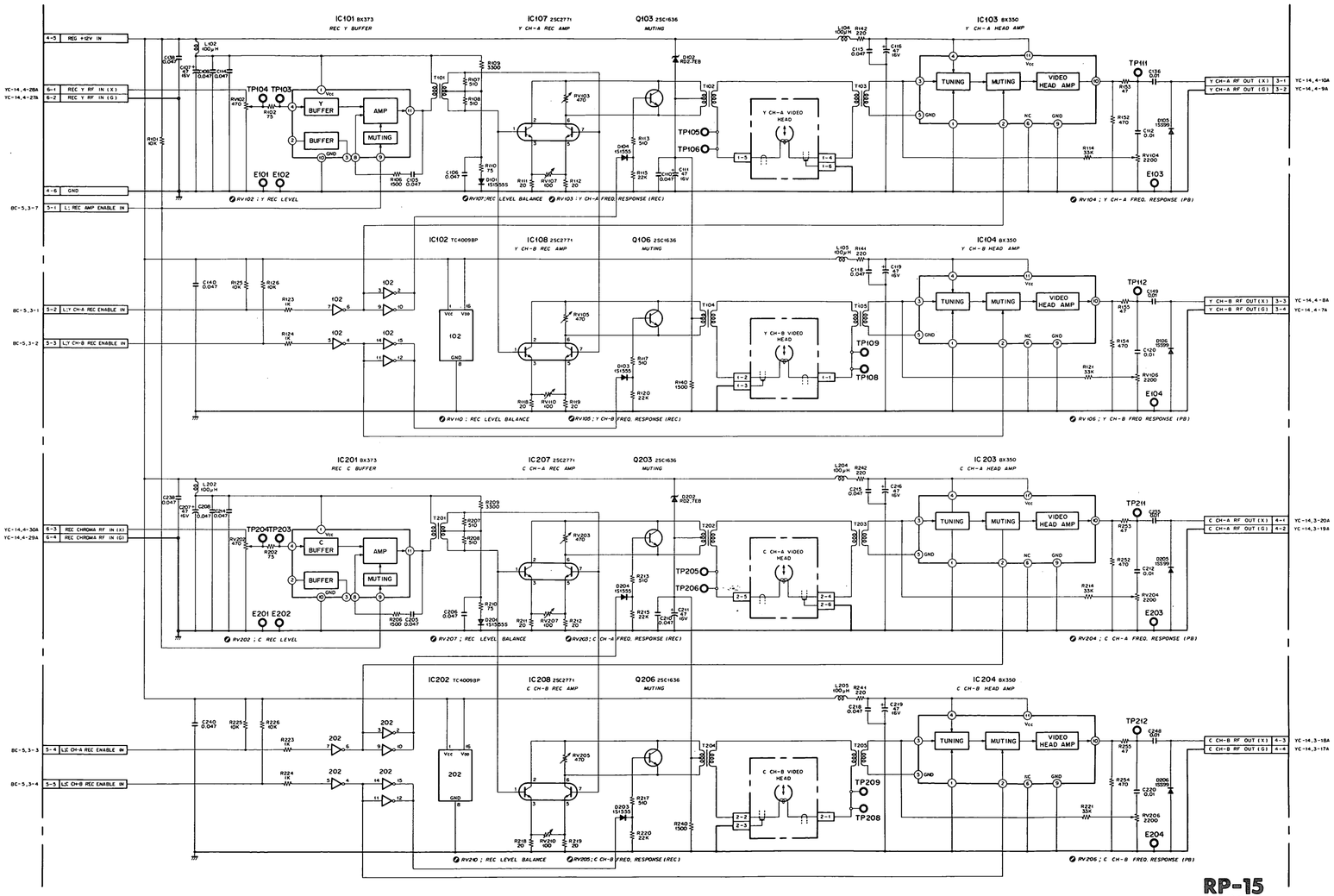
REF NO.	TYPE	DC SUPPLY PIN NO. (+5V)	GND	(-5V)
IC801	SN74LS221N	16	8	
IC802	SN74LS221N	16	8	
IC803	SN74LS74AN	14	7	
IC804	SN74LS02N	14	7	
IC805	μA760HC	8	5	4
IC806	LPC31NC	11	3,8	6
IC807	SN74LS74AN	14	7	
IC808	SN74LS10N	14	7	

EN-21(4/4)
1-611-518-13(4)
Rev-40

RP-15 RP-15

RP-15 (Y/C REC PB AMPLIFIER)

UP TO S/N 10845 (UC)
UP TO S/N 10295 (J)



RP-15 (Y/C REC PB AMPLIFIER)

UP TO S/N 10845 (UC)
UP TO S/N 10295 (J)

CN1 F - 3
CN2 B - 3
CN3 F - 4
CN4 B - 4
CN5 D - 1
CN6 D - 1

D101 F - 1
D102 F - 3
D103 F - 2
D104 F - 2
D105 F - 4
D106 F - 4
D201 B - 1
D202 C - 3
D203 B - 2
D204 B - 2
D205 B - 4
D206 B - 4

E101 G - 1
E102 F - 2
E103 G - 2
E104 D - 3
E201 C - 1
E202 B - 2
E203 D - 3
E204 A - 3

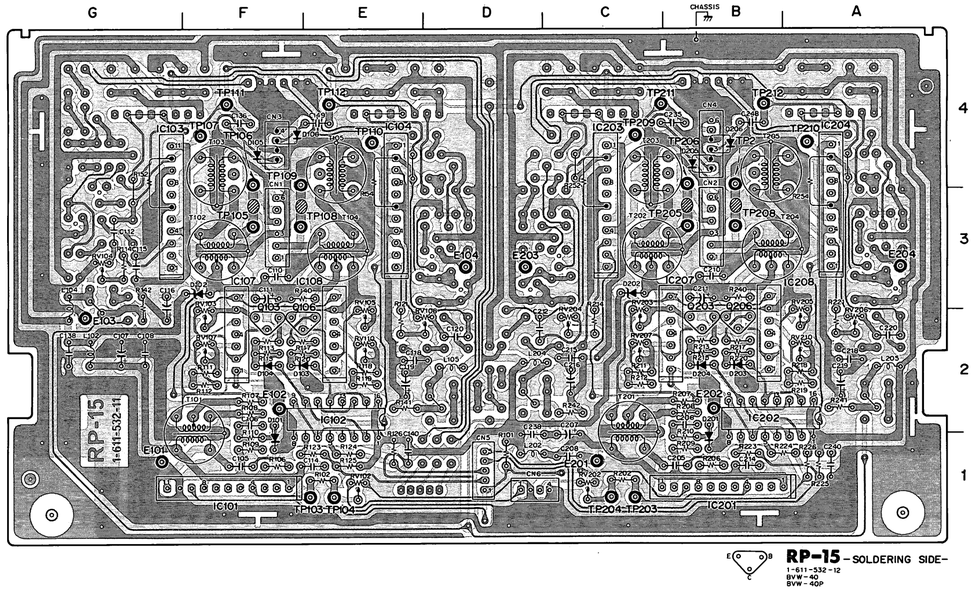
IC101 F - 1
IC102 E - 2
IC103 G - 4
IC104 E - 4
IC107 F - 1
IC108 E - 2
IC201 B - 1
IC202 B - 2
IC203 C - 4
IC204 A - 3
IC207 B - 2
IC208 B - 2

Q103 F - 2
Q106 F - 2
Q203 B - 2
Q206 B - 2

RV102 E - 1
RV103 F - 2
RV104 C - 3
RV105 E - 2
RV106 D - 2
RV107 F - 2
RV110 E - 2
RV202 C - 1
RV203 C - 2
RV204 C - 2
RV205 A - 2
RV206 A - 2
RV207 C - 2
RV210 A - 2

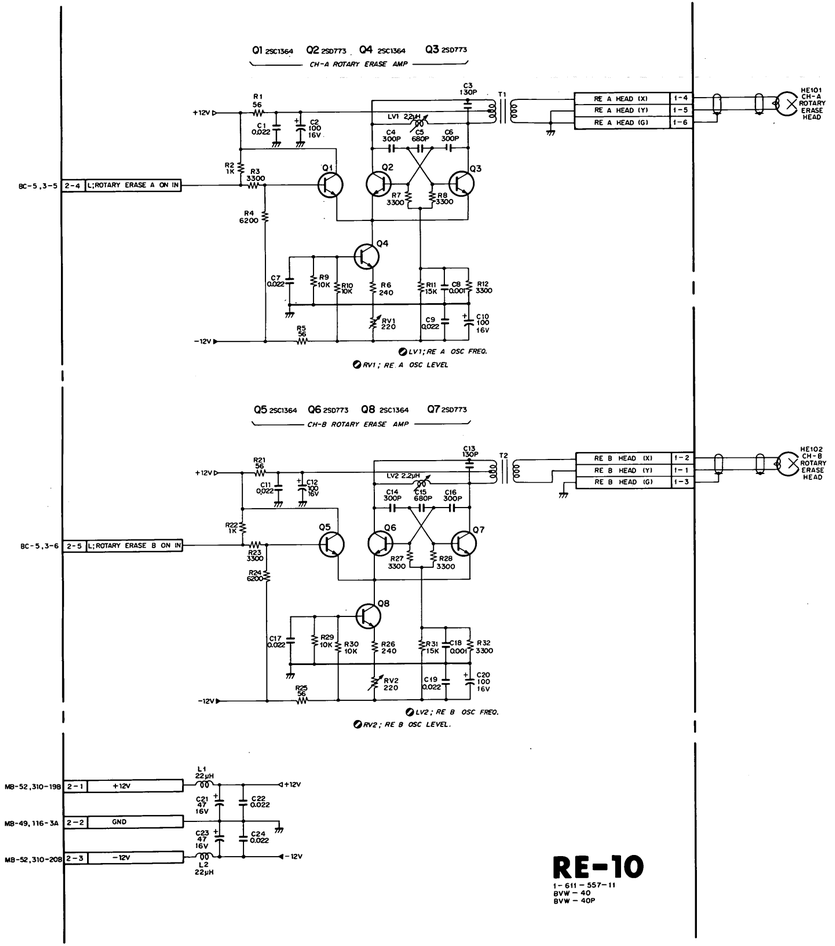
T101 F - 1
T102 F - 3
T103 F - 4
T104 E - 3
T105 E - 4
T201 C - 2
T202 C - 3
T203 C - 4
T204 B - 3
T205 B - 4

TP2 B - 4
TP103 E - 1
TP104 E - 1
TP105 F - 3
TP106 F - 4
TP107 F - 4
TP108 F - 3
TP110 E - 4
TP111 F - 4
TP112 E - 4
TP203 C - 1
TP204 C - 1
TP205 B - 3
TP206 B - 4
TP208 B - 3
TP209 C - 4
TP210 A - 4
TP211 C - 4
TP212 B - 4

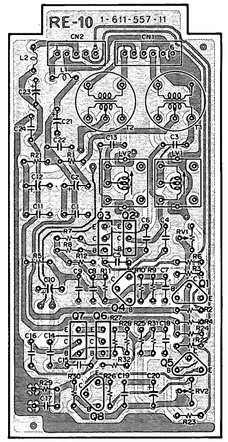


RP-15 – SOLDERING SIDE –
1-611-532-12
BVW-40
BVW-40P

RE-10 (ROTARY ERASE AMPLIFIER)



RE-10
1-611-557-11
BVW-40
BVW-40P

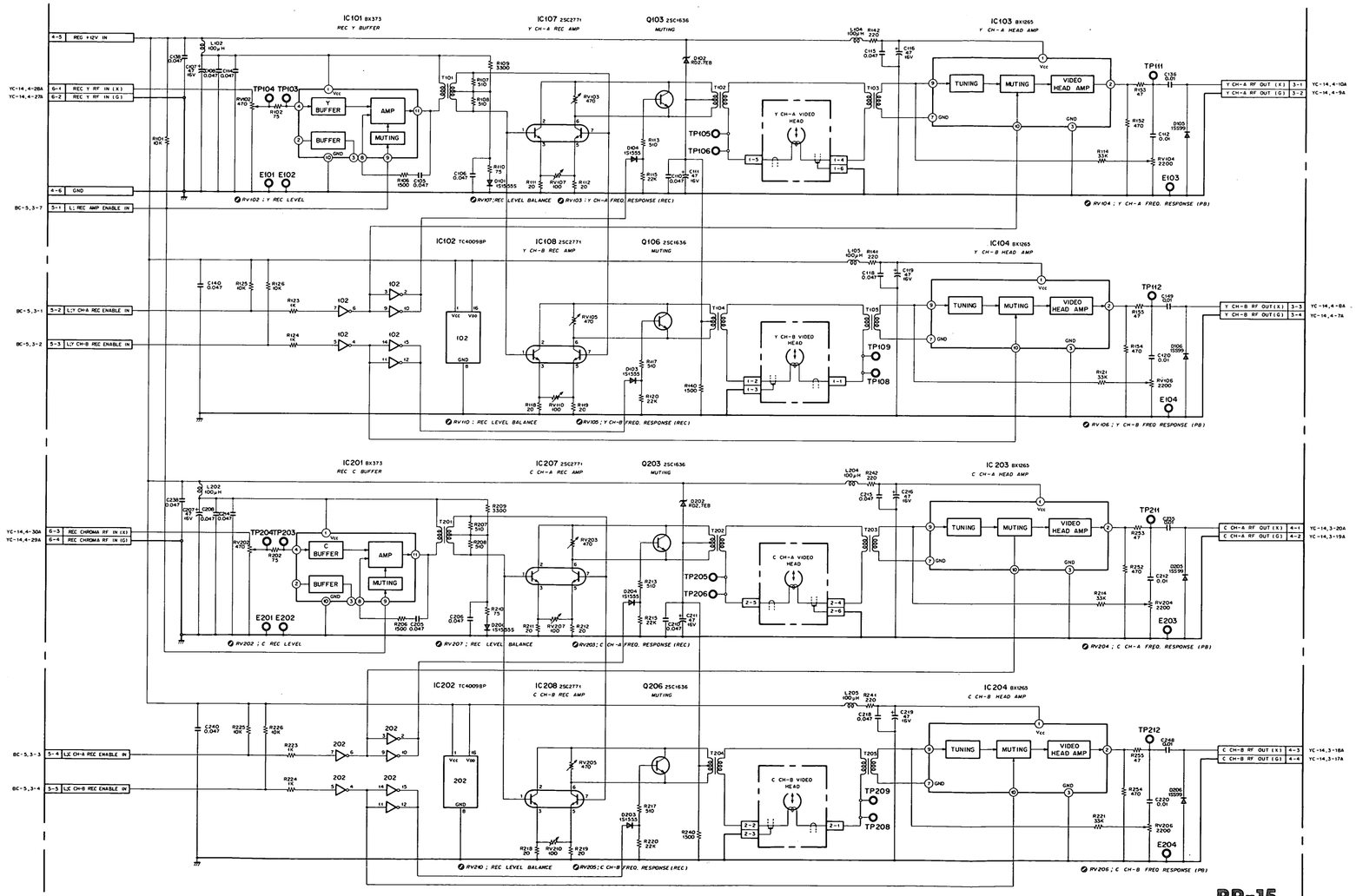


RE-10 – SOLDERING SIDE –
1-611-557-11
BVW-40
BVW-40P

RP-15 RP-15

RP-15 (Y/C REC PB AMPLIFIER)

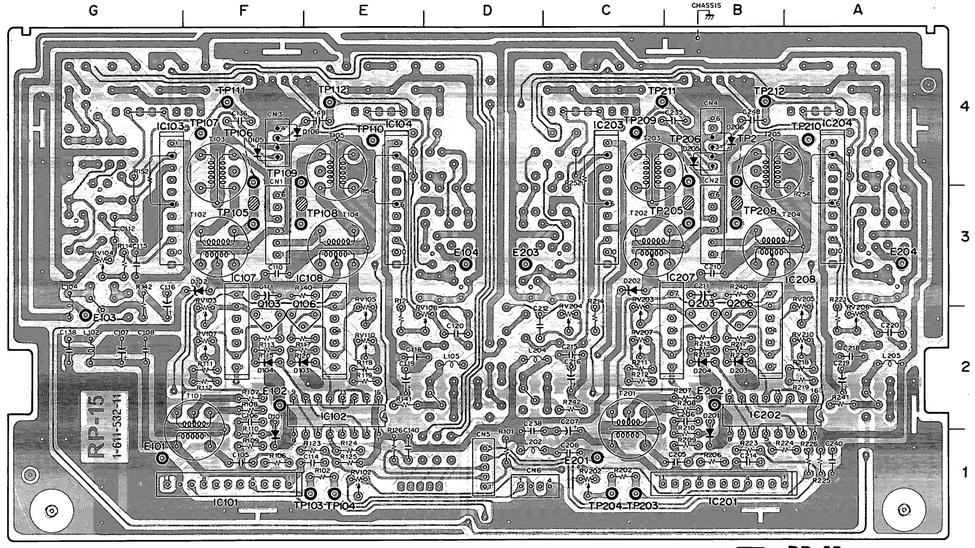
S/N 10846 AND LATER (UC)
S/N 10296 AND LATER (J)



RP-15 (Y/C REC PB AMPLIFIER)

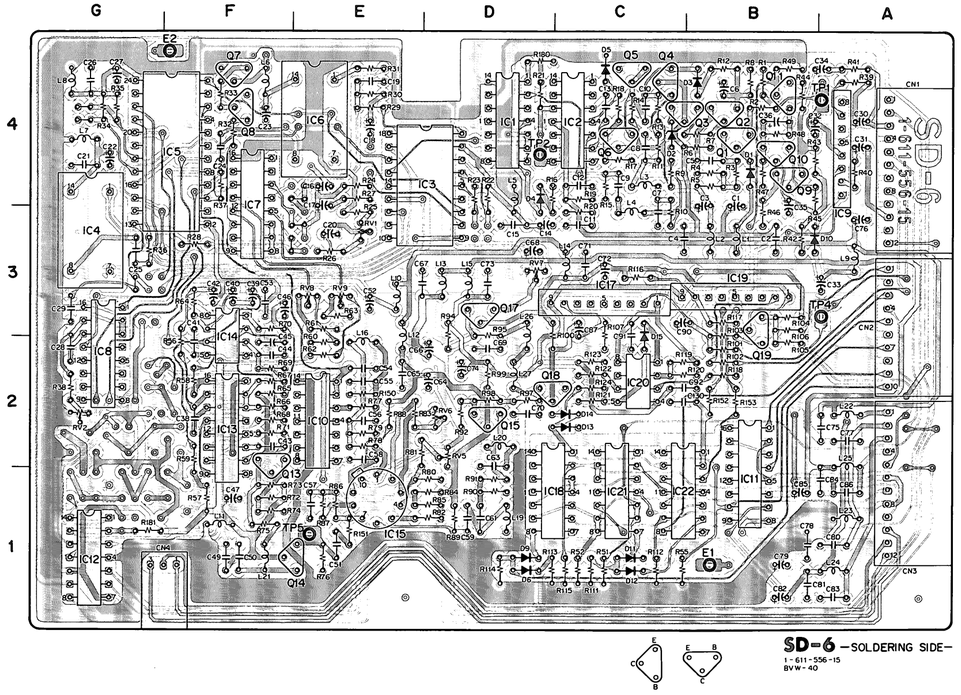
S/N 10846 AND LATER (UC)
S/N 10296 AND LATER (J)

CN1	F - 3	RV102	E - 1
CN2	B - 3	RV103	F - 2
CN3	F - 1	RV104	G - 3
CN4	B - 1	RV105	E - 2
CN5	D - 1	RV106	D - 2
CN6	D - 1	RV107	F - 2
		RV110	E - 2
D101	F - 1	RV202	C - 1
D102	F - 3	RV203	C - 2
D103	F - 2	RV204	C - 2
D104	F - 2	RV205	A - 2
D105	F - 1	RV206	A - 2
D106	F - 1	RV207	C - 2
D201	B - 1	RV210	A - 2
D202	C - 3		
D203	B - 2	T101	F - 1
D204	B - 2	T102	F - 3
D205	B - 1	T103	F - 1
D206	B - 1	T104	E - 3
		T105	E - 1
E101	G - 1	T201	C - 2
E102	F - 2	T202	C - 3
E103	G - 2	T203	C - 1
E104	D - 3	T204	B - 3
E201	C - 1	T205	B - 1
E202	B - 2		
E203	D - 3	TP2	B - 4
E204	A - 3	TP103	E - 1
		TP101	E - 1
IC101	F - 1	TP105	F - 3
IC102	E - 2	TP106	F - 1
IC103	G - 1	TP107	F - 1
IC104	E - 1	TP108	F - 3
IC107	F - 1	TP110	E - 1
IC108	E - 2	TP111	F - 1
IC201	B - 1	TP112	E - 1
IC202	B - 2	TP203	C - 1
IC203	C - 1	TP201	C - 1
IC204	A - 3	TP205	B - 3
IC207	B - 2	TP206	B - 4
IC208	B - 2	TP208	B - 3
		TP209	C - 1
Q103	F - 2	TP210	A - 4
Q106	F - 2	TP211	C - 4
Q203	B - 2	TP212	B - 4
Q206	B - 2		



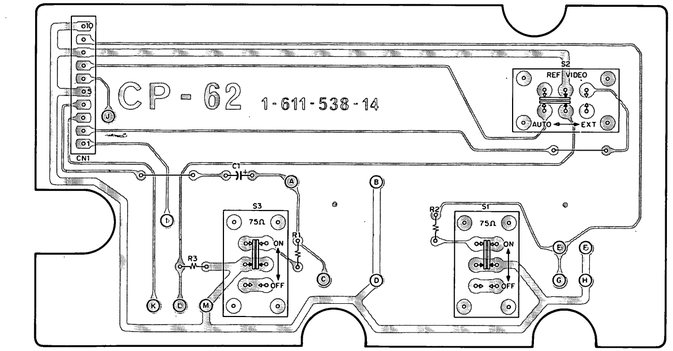
RP-15 – SOLDERING SIDE –
1-611-532-12
BVW-40
BVW-40P

SD-6 (REFERENCE SIGNAL GENERATOR)
CP-62



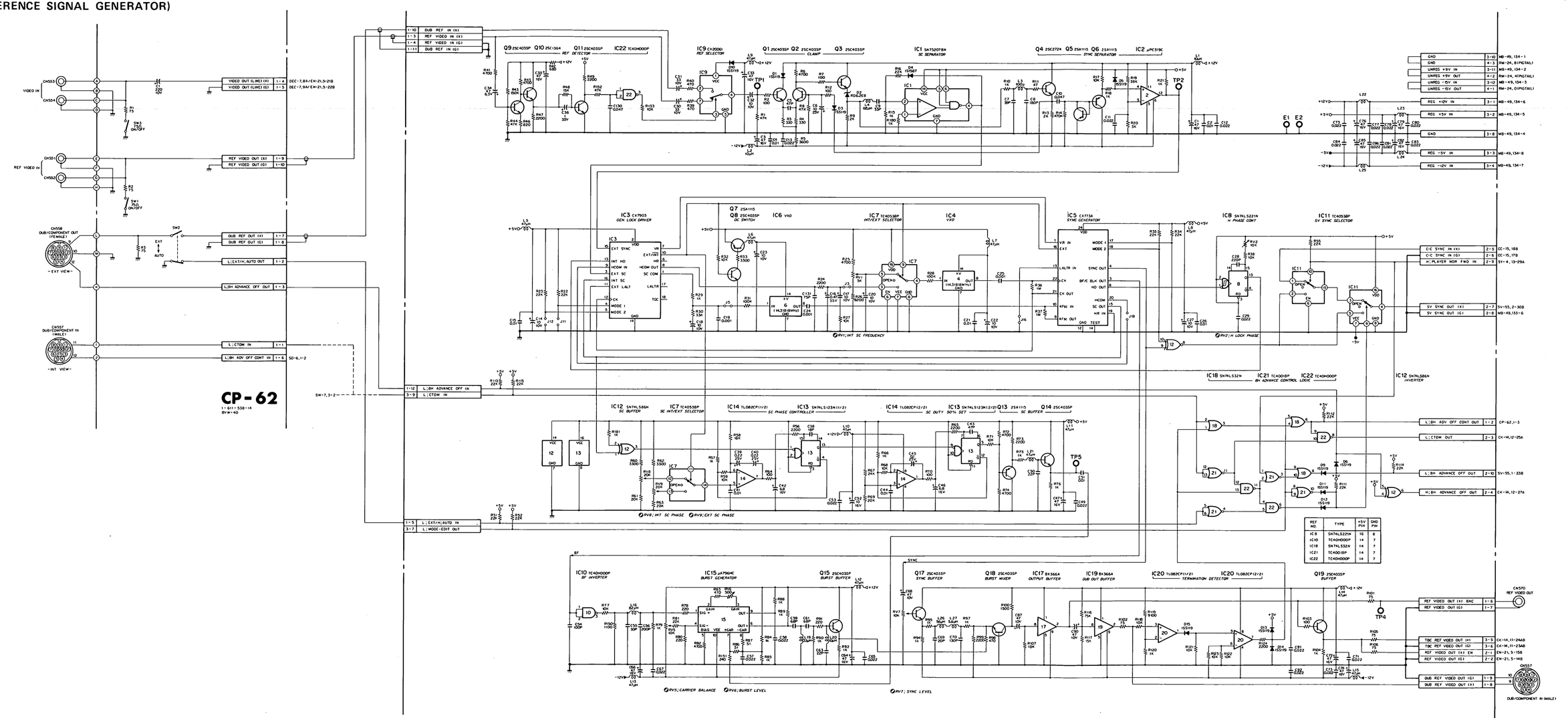
CN1	A - 4	Q1	B - 4
CN2	A - 3	Q2	B - 4
CN3	A - 1	Q3	B - 4
CN4	F - 1	Q4	C - 4
		Q5	C - 4
D1	B - 4	Q6	C - 4
D2	C - 4	Q7	F - 4
D3	B - 4	Q8	F - 4
D4	D - 4	Q9	B - 4
D5	C - 4	Q10	B - 4
D6	D - 1	Q11	B - 4
D9	D - 1	Q13	F - 2
D10	B - 4	Q14	E - 1
D11	C - 1	Q15	D - 2
D12	C - 1	Q17	D - 3
D13	C - 2	Q18	D - 2
D14	C - 2	Q19	B - 2
D15	C - 2		
		RV1	E - 3
E1	B - 1	RV2	G - 2
E2	F - 4	RV5	D - 2
		RV6	D - 2
IC1	D - 4	RV7	D - 3
IC2	C - 4	RV8	E - 3
IC3	D - 4	RV9	E - 3
IC4	G - 3		
IC5	F - 4	TP1	A - 4
IC6	E - 4	TP2	D - 4
IC7	F - 4	TP4	A - 3
IC8	G - 2	TP5	E - 1
IC9	A - 4		
IC10	E - 2		
IC11	B - 1		
IC12	G - 1		
IC13	F - 2		
IC14	F - 2		
IC15	E - 1		
IC17	C - 3		
IC18	C - 1		
IC19	B - 3		
IC20	C - 2		
IC21	C - 1		
IC22	B - 1		

SD-6 –SOLDERING SIDE–
1-611-556-15
BVW-40



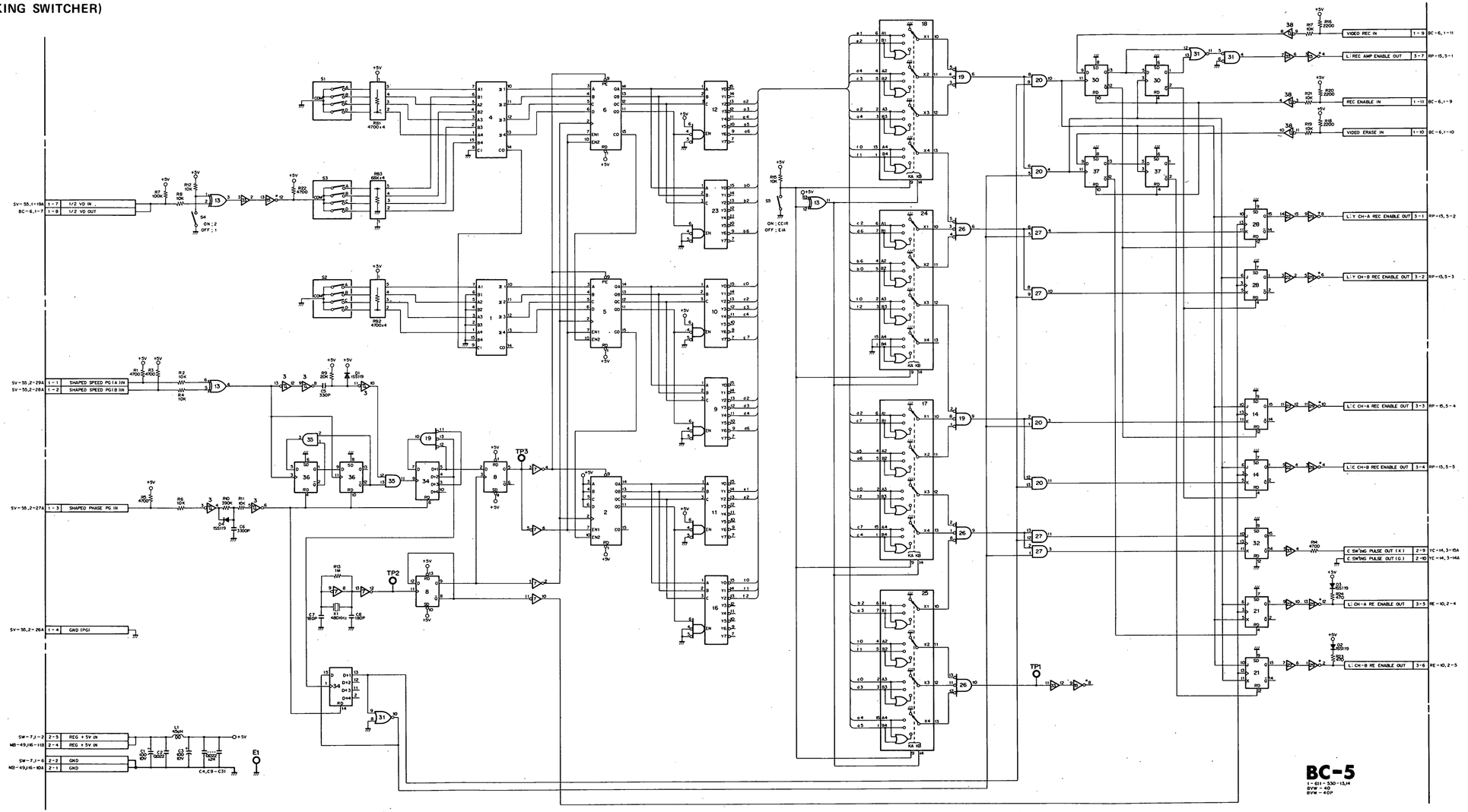
CP-62 –SOLDERING SIDE–
1-611-538-14
BVW-40
BVW-40P

SD-6 (REFERENCE SIGNAL GENERATOR)
CP-62



BC-5 BC-5

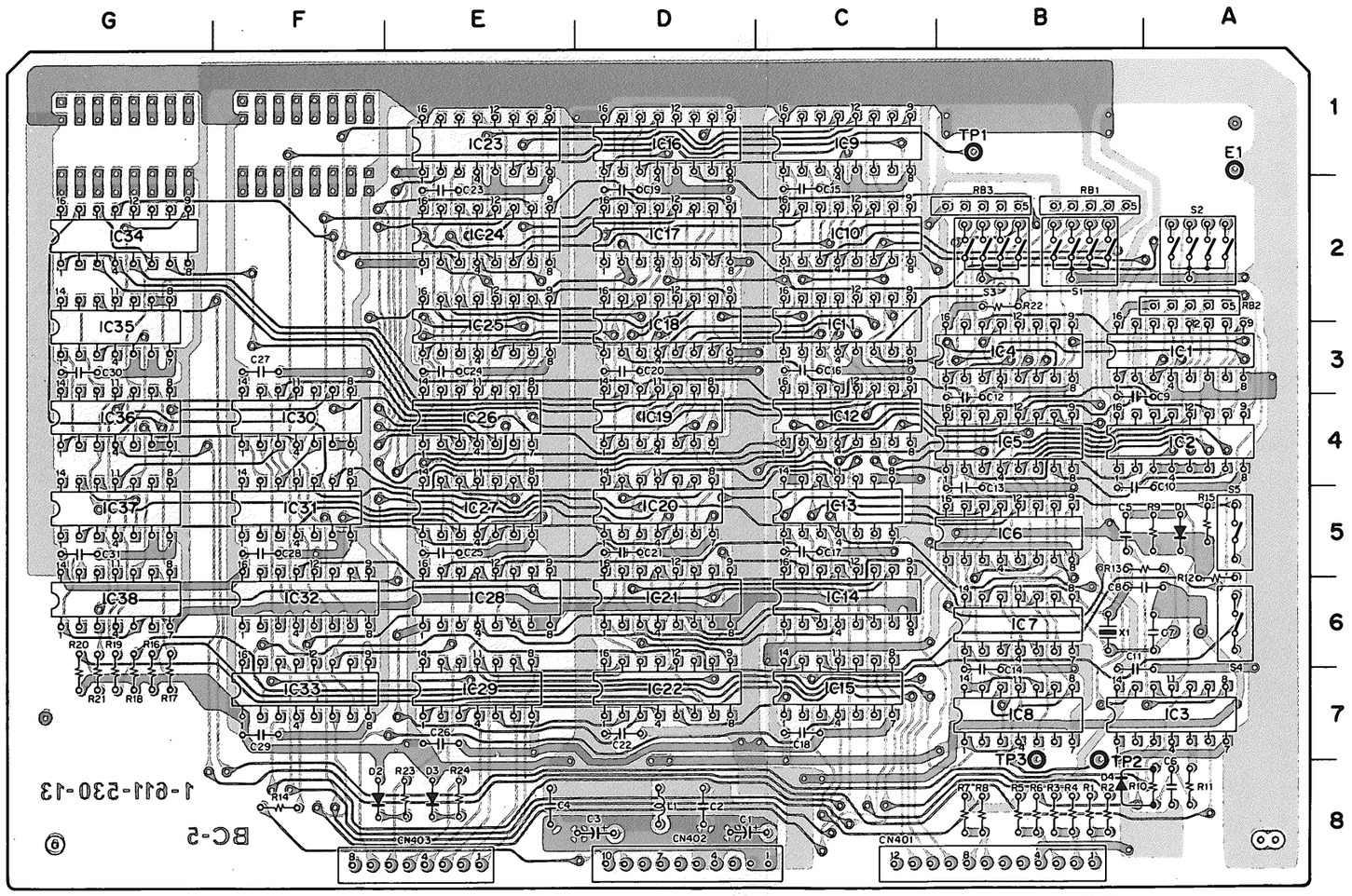
BC-5 (VIDEO BLANKING SWITCHER)



BC-5 (VIDEO BLANKING SWITCHER)

UP TO S/N 10645 (UC)
UP TO S/N 10295 (J)

CN401	B - 8	RB1	B - 2
CN402	D - 8	RB2	A - 2
CN403	E - 8	RB3	B - 2
D1	A - 5	S1	B - 2
D2	F - 8	S2	A - 2
D3	E - 8	S3	B - 2
		S4	A - 6
E1	A - 1	S5	A - 5
IC1	A - 3	TP1	B - 1
IC2	A - 4	TB2	B - 7
IC3	A - 7	TB3	B - 7
IC4	B - 3		
IC5	B - 4	X1	B - 6
IC6	B - 5		
IC7	B - 6		
IC8	B - 7		
IC9	C - 1		
IC10	C - 2		
IC11	C - 3		
IC12	C - 4		
IC13	C - 5		
IC14	C - 6		
IC15	C - 7		
IC16	D - 1		
IC17	D - 2		
IC18	D - 3		
IC19	D - 4		
IC20	D - 5		
IC21	D - 6		
IC22	D - 7		
IC23	E - 1		
IC24	E - 2		
IC25	E - 3		
IC26	E - 4		
IC27	E - 5		
IC28	E - 6		
IC29	E - 7		
IC30	F - 4		
IC31	F - 5		
IC32	F - 6		
IC33	F - 7		
IC34	G - 2		
IC35	G - 3		
IC36	G - 4		
IC37	G - 5		
IC38	G - 6		



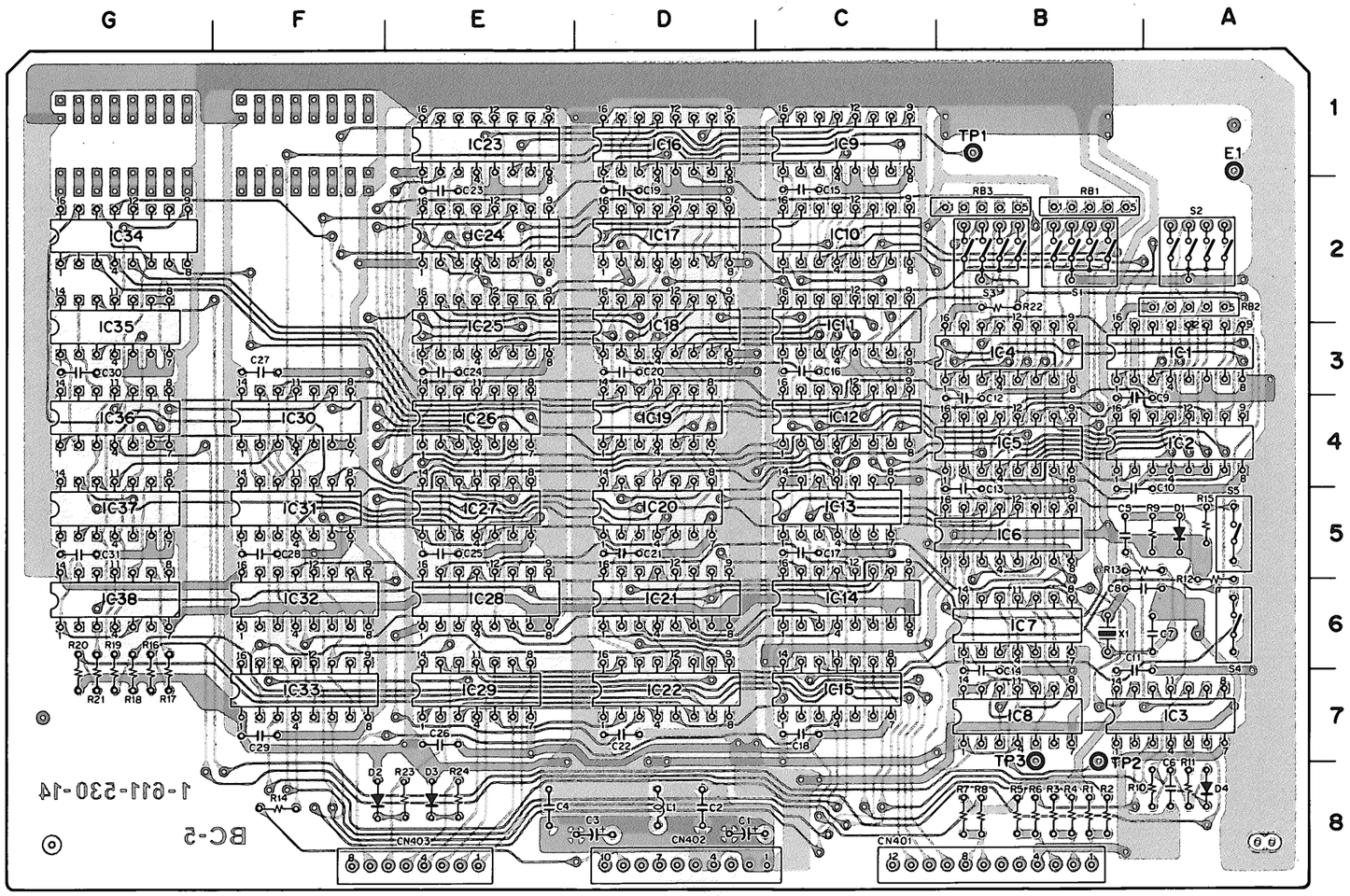
BC-5 – COMPONENT SIDE –
1-611-530-13
BVW-40
BVW-40P

Ref. No.	Type	Pin No. +5V	Pin No. GND
IC 1	TC4008BP	16	8
IC 2	TC40H161P	16	8
IC 3	MC14584BCP	14	7
IC 4	TC4008BP	16	8
IC 5	TC40H161P	16	8
IC 6	TC40H161P	16	8
IC 7	TC40H004P	14	7
IC 8	TC40H074P	14	7
IC 9	TC40H138P	16	8
IC 10	TC40H138P	16	8
IC 11	TC40H138P	16	8
IC 12	TC40H138P	16	8
IC 13	TC4030BP	14	7
IC 14	TC4027BP	16	8
IC 15	SN7406N	14	7
IC 16	TC40H138P	16	8
IC 17	TC4019BP	16	8
IC 18	TC4019BP	16	8
IC 19	TC4025BP	14	7
IC 20	TC4081BP	14	7
IC 21	TC4027BP	16	8
IC 22	TC4050BP	1	8
IC 23	TC40H138P	16	8
IC 24	TC4019BP	16	8
IC 25	TC4019BP	16	8
IC 26	TC4025BP	14	7
IC 27	TC4081BP	14	7
IC 28	TC4027BP	16	8
IC 29	SN7406N	14	7
IC 30	TC4013BP	14	7
IC 31	TC4001BP	14	7
IC 32	TC4027BP	16	8
IC 33	TC4050BP	1	8
IC 34	TC4015BP	16	8
IC 35	TC4081BP	14	7
IC 36	TC4013BP	14	7
IC 37	TC4013BP	14	7
IC 38	MC14584BCP	14	7

BC-5 (VIDEO BLANKING SWITCHER)

S/N 10646 AND LATER (UC)
S/N 10296 AND LATER (J)

CN401	B - 8	RB1	B - 2
CN402	D - 8	RB2	A - 2
CN403	E - 8	RB3	B - 2
D1	A - 5	S1	B - 2
D2	F - 8	S2	A - 2
D3	E - 8	S3	B - 2
D4	A - 8	S4	A - 6
		S5	A - 5
E1	A - 1		
		TP1	B - 1
IC1	A - 3	TB2	B - 7
IC2	A - 4	TB3	B - 7
IC3	A - 7		
IC4	B - 3	X1	B - 6
IC5	B - 4		
IC6	B - 5		
IC7	B - 6		
IC8	B - 7		
IC9	C - 1		
IC10	C - 2		
IC11	C - 3		
IC12	C - 4		
IC13	C - 5		
IC14	C - 6		
IC15	C - 7		
IC16	D - 1		
IC17	D - 2		
IC18	D - 3		
IC19	D - 4		
IC20	D - 5		
IC21	D - 6		
IC22	D - 7		
IC23	E - 1		
IC24	E - 2		
IC25	E - 3		
IC26	E - 4		
IC27	E - 5		
IC28	E - 6		
IC29	E - 7		
IC30	F - 4		
IC31	F - 5		
IC32	F - 6		
IC33	F - 7		
IC34	G - 2		
IC35	G - 3		
IC36	G - 4		
IC37	G - 5		
IC38	G - 6		

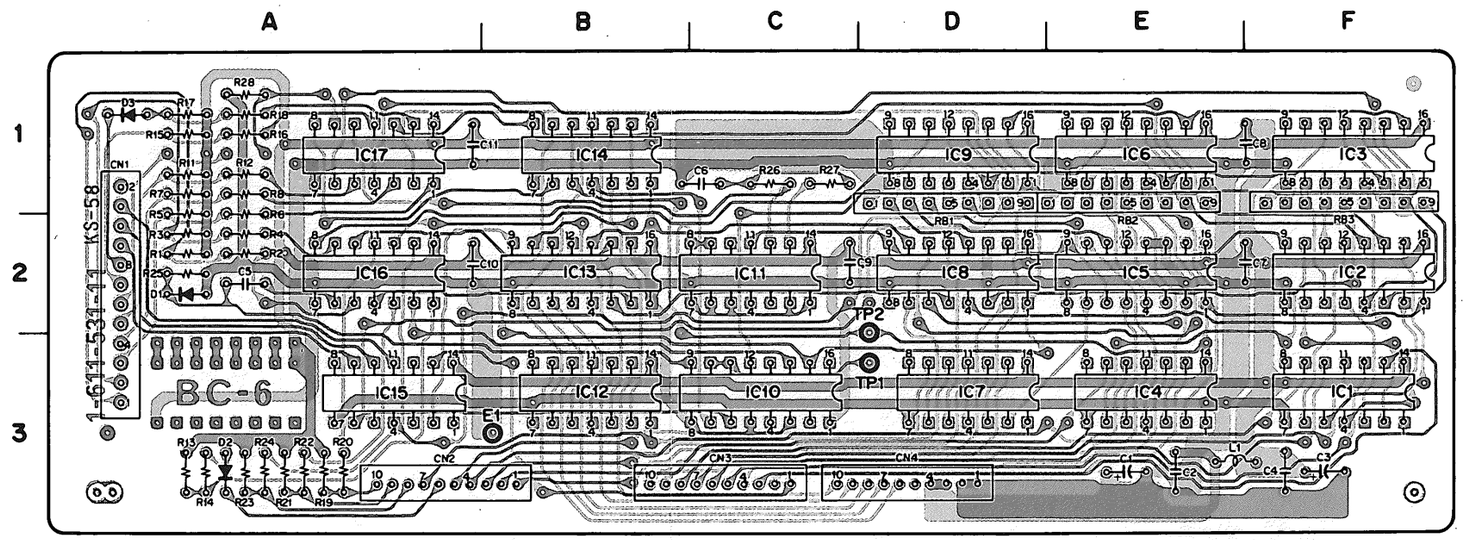


BC-5 –COMPONENT SIDE–
1-611-530-14
BVW-40
BVW-40P

Ref. No.	Type	Pin No. +5V	Pin No. GND
IC 1	TC4008BP	16	8
IC 2	TC40H161P	16	8
IC 3	MC14584BCP	14	7
IC 4	TC4008BP	16	8
IC 5	TC40H161P	16	8
IC 6	TC40H161P	16	8
IC 7	TC40H004P	14	7
IC 8	TC40H074P	14	7
IC 9	TC40H138P	16	8
IC 10	TC40H138P	16	8
IC 11	TC40H138P	16	8
IC 12	TC40H138P	16	8
IC 13	TC4030BP	14	7
IC 14	TC4027BP	16	8
IC 15	SN7406N	14	7
IC 16	TC40H138P	16	8
IC 17	TC4019BP	16	8
IC 18	TC4019BP	16	8
IC 19	TC4025BP	14	7
IC 20	TC4081BP	14	7
IC 21	TC4027BP	16	8
IC 22	TC4050BP	1	8
IC 23	TC40H138P	16	8
IC 24	TC4019BP	16	8
IC 25	TC4019BP	16	8
IC 26	TC4025BP	14	7
IC 27	TC4081BP	14	7
IC 28	TC4027BP	16	8
IC 29	SN7406N	14	7
IC 30	TC4013BP	14	7
IC 31	TC4001BP	14	7
IC 32	TC4027BP	16	8
IC 33	TC4050BP	1	8
IC 34	TC4015BP	16	8
IC 35	TC4081BP	14	7
IC 36	TC4013BP	14	7
IC 37	TC4013BP	14	7
IC 38	MC14584BCP	14	7

BC-6 (AUDIO BLANKING SWITCHER)

Ref. No.	Type	Pin No. +5V	Pin No. GND
IC 1	M54529AP	14	7
IC 2	TC40174BP	16	8
IC 3	MC14094BCP	16	8
IC 4	M54529AP	14	7
IC 5	TC40174BP	16	8
IC 6	MC14094BCP	16	8
IC 7	M54529AP	14	7
IC 8	TC40174BP	16	8
IC 9	MC14094BCP	16	8
IC 10	TC4049BP	1	8
IC 11	TC4030BP	14	7
IC 12	M54529AP	14	7
IC 13	TC4555BP	16	8
IC 14	TC4081BP	14	7
IC 15	M54529AP	14	7
IC 16	MC14584BCP	14	7
IC 17	MC14584BCP	14	7

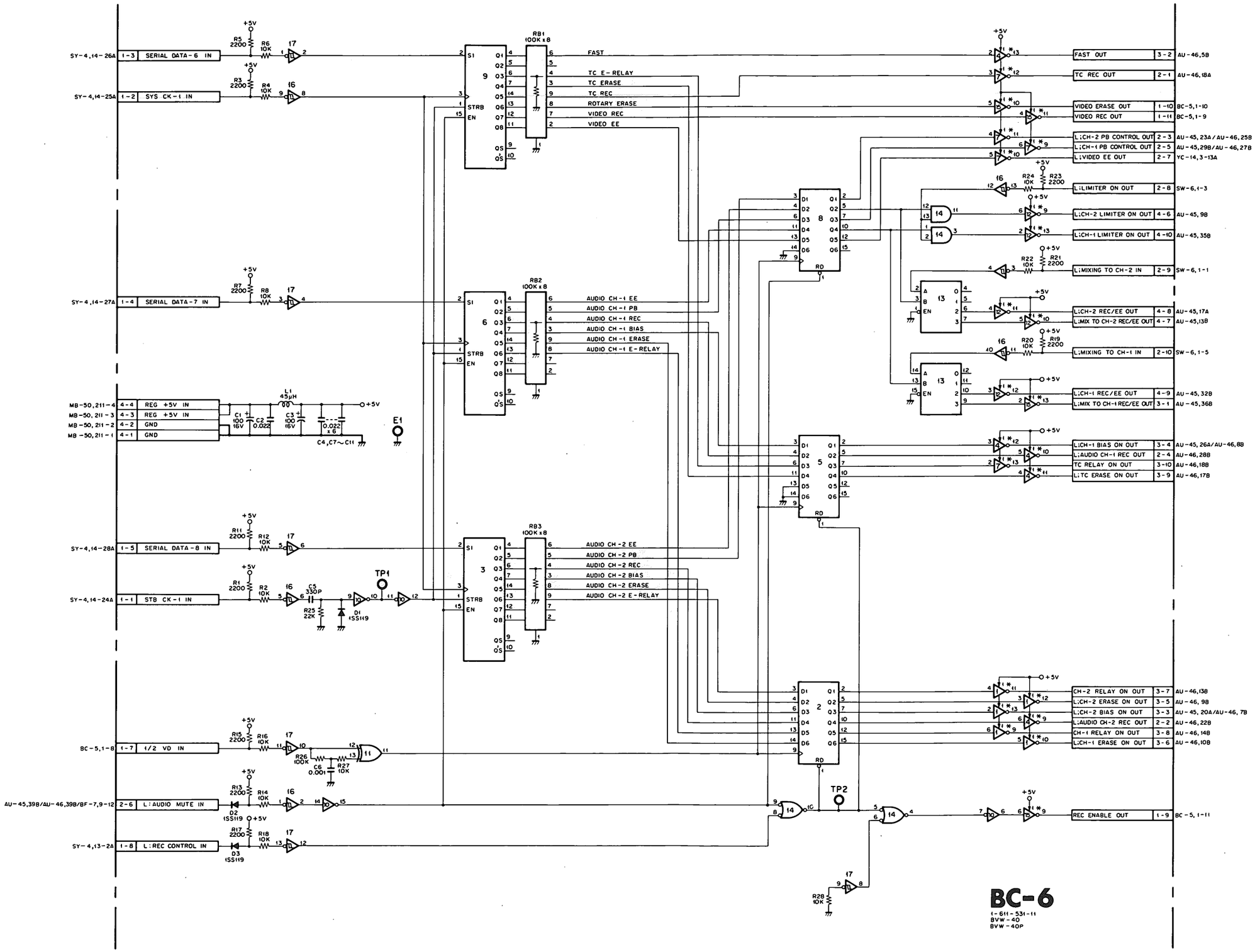


BC-6 -SOLDERING SIDE-

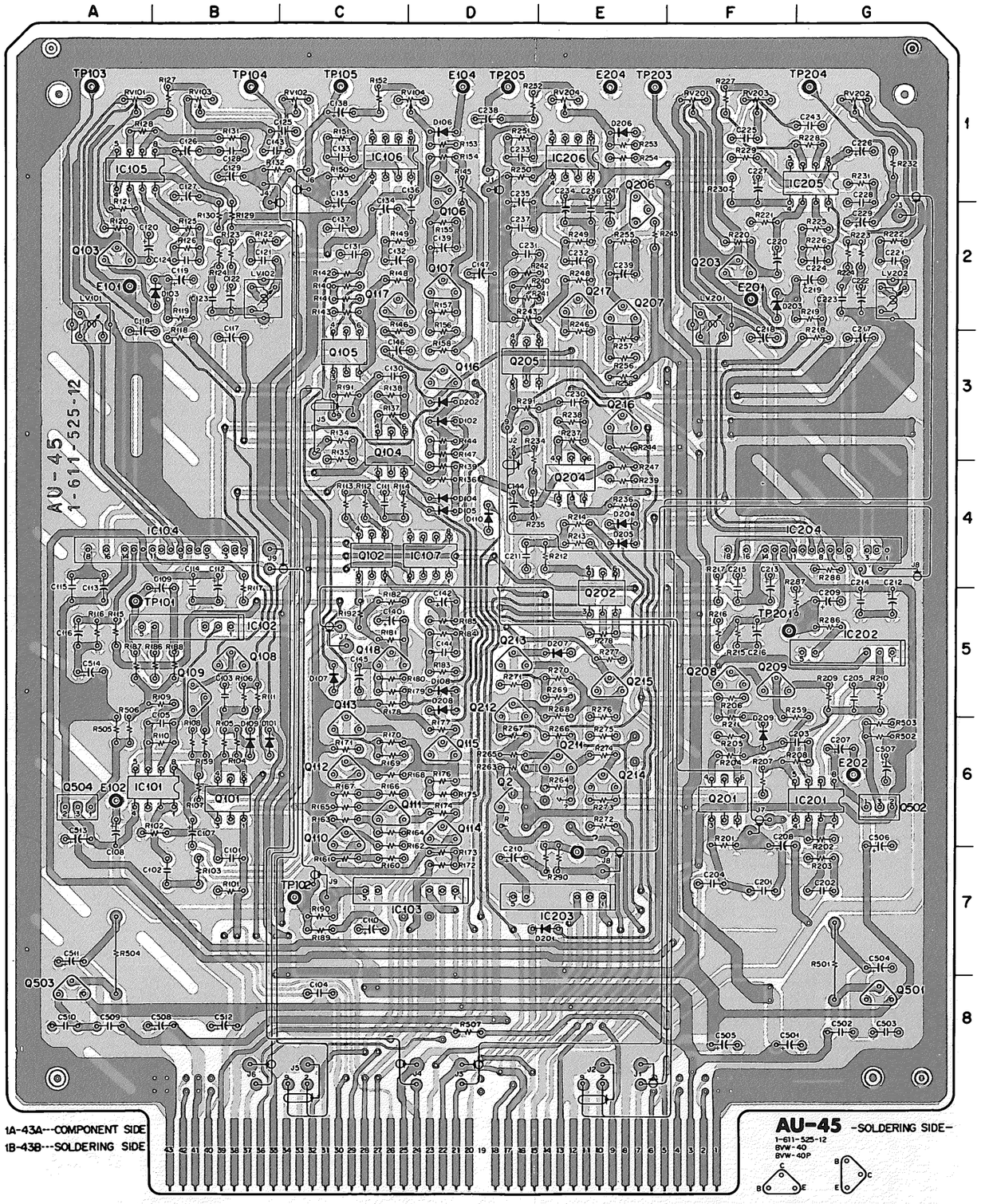
1-611-531-11
BVW-40
BVW-40P

CN1	A - 2	RB1	D - 1
CN2	A - 3	RB2	E - 1
CN3	C - 3	RB3	F - 1
CN4	D - 3		
		TP1	D - 3
D1	A - 2	TP2	D - 2
D2	A - 3		
D3	A - 1		
E1	B - 3		
IC1	F - 3		
IC2	F - 3		
IC3	F - 1		
IC4	E - 3		
IC5	E - 2		
IC6	E - 1		
IC7	D - 3		
IC8	D - 2		
IC9	D - 1		
IC10	C - 3		
IC11	C - 2		
IC12	B - 3		
IC13	B - 2		
IC14	B - 1		
IC15	A - 3		
IC16	A - 2		
IC17	A - 1		

BC-6 (AUDIO BLANKING SWITCHER)

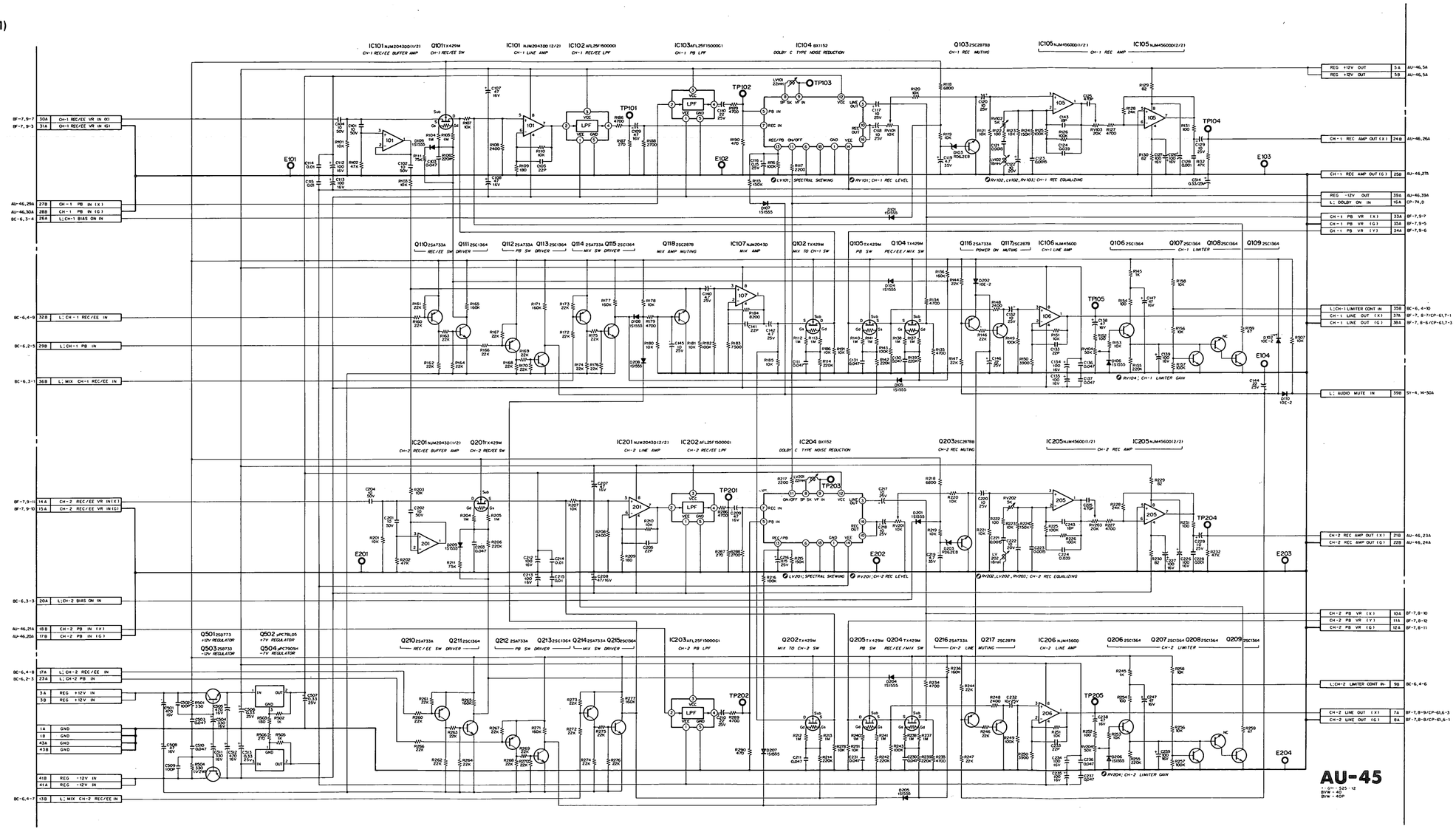


AU-45 (AUDIO REC PB SYSTEM)

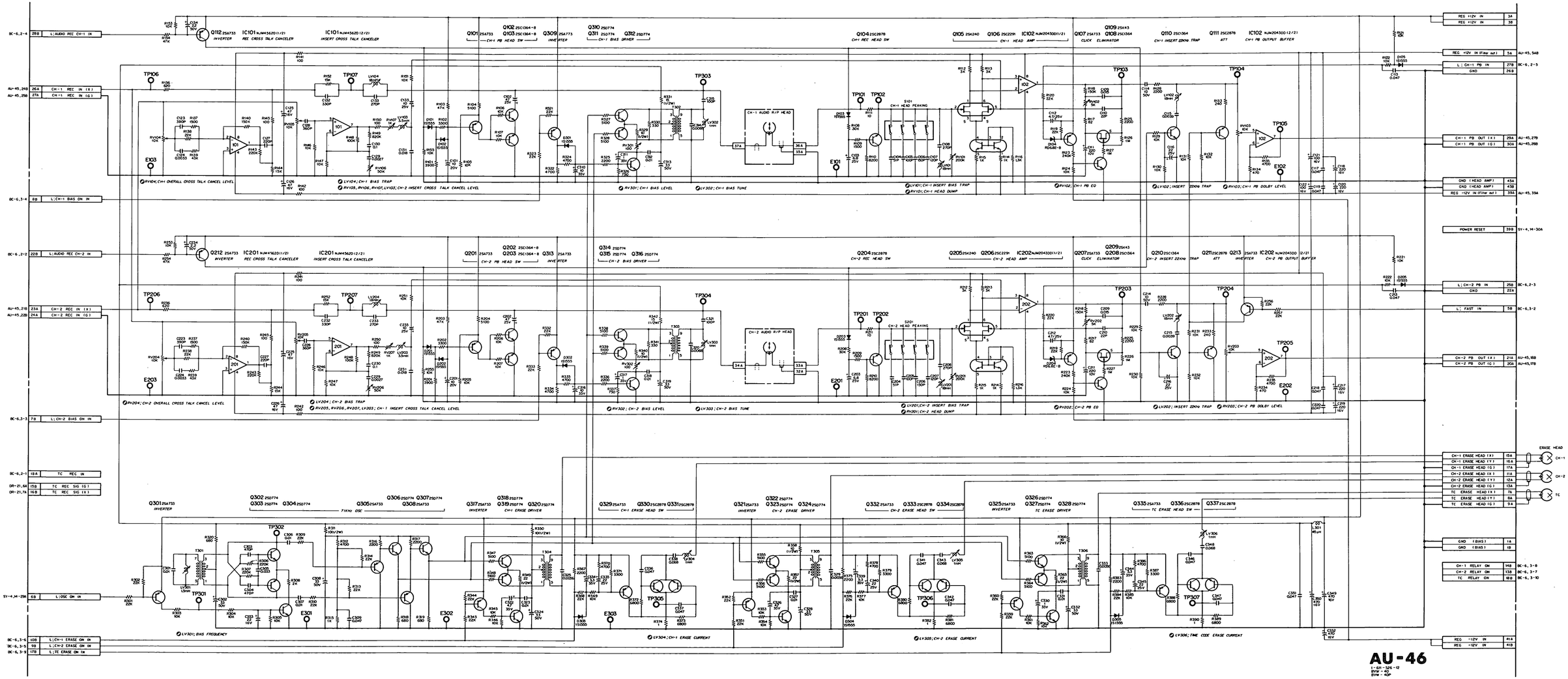


D101	B - 6	RV101	A - 1
D102	D - 3	RV102	C - 1
D103	B - 2	RV103	B - 1
D104	D - 4	RV104	D - 1
D105	D - 4	RV201	F - 1
D106	D - 1	RV202	G - 1
D107	C - 5	RV203	F - 1
D108	D - 5	RV204	E - 1
D109	B - 6		
D110	D - 4	TP101	A - 5
D201	E - 7	TP102	C - 7
D202	D - 3	TP103	A - 1
D203	F - 2	TP104	B - 1
D204	E - 4	TP105	C - 1
D205	E - 4	TP201	F - 5
D206	E - 1	TP202	E - 7
D207	E - 5	TP203	E - 1
D208	D - 5	TP204	G - 1
D209	F - 6	TP205	D - 1
E101	A - 2		
E102	A - 6		
E104	D - 1		
E201	F - 2		
E202	G - 6		
E204	E - 1		
IC101	B - 6		
IC102	B - 5		
IC103	D - 7		
IC104	B - 4		
IC105	A - 1		
IC106	C - 1		
IC107	D - 4		
IC201	G - 6		
IC202	G - 5		
IC203	E - 7		
IC204	G - 4		
IC205	G - 1		
IC206	E - 1		
LV101	A - 2		
LV102	B - 2		
LV201	F - 2		
LV202	G - 2		
Q101	B - 6		
Q102	C - 4		
Q103	A - 2		
Q104	C - 3		
Q105	C - 3		
Q106	D - 1		
Q107	D - 2		
Q108	B - 5		
Q109	B - 5		
Q110	C - 6		
Q111	C - 6		
Q112	C - 6		
Q113	C - 6		
Q114	D - 6		
Q115	D - 6		
Q116	D - 3		
Q117	C - 2		
Q118	C - 5		
Q201	F - 6		
Q202	E - 5		
Q203	F - 2		
Q204	E - 4		
Q205	D - 3		
Q206	E - 2		
Q207	E - 2		
Q208	F - 5		
Q209	F - 5		
Q210	D - 6		
Q211	E - 6		
Q212	D - 5		
Q213	D - 5		
Q214	E - 6		
Q215	E - 5		
Q216	E - 3		
Q217	E - 2		
Q501	G - 8		
Q502	G - 6		
Q503	A - 8		
Q504	A - 6		

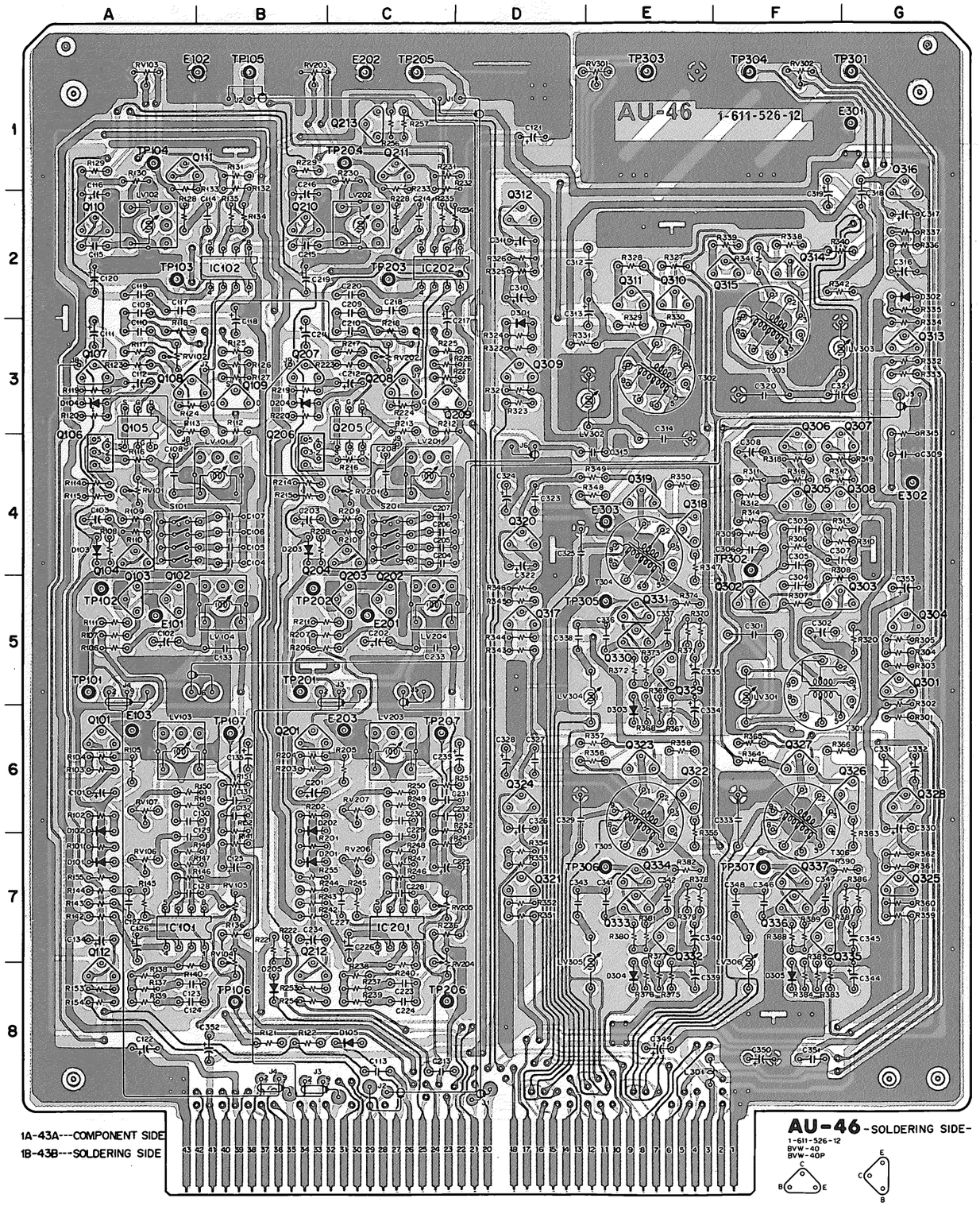
AU-45 (AUDIO REC PB SYSTEM)



AU-46 (AUDIO REC PB SYSTEM)

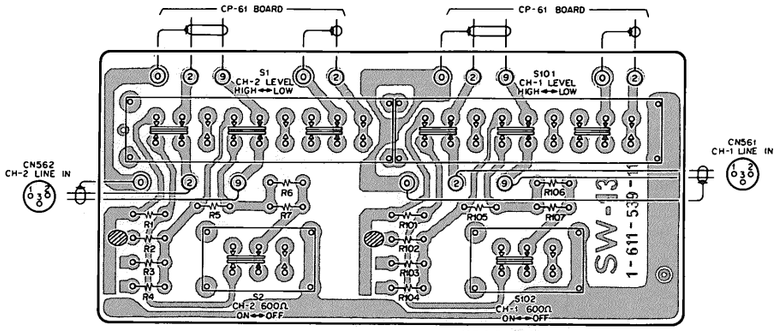


AU-46 (AUDIO REC PB SYSTEM)

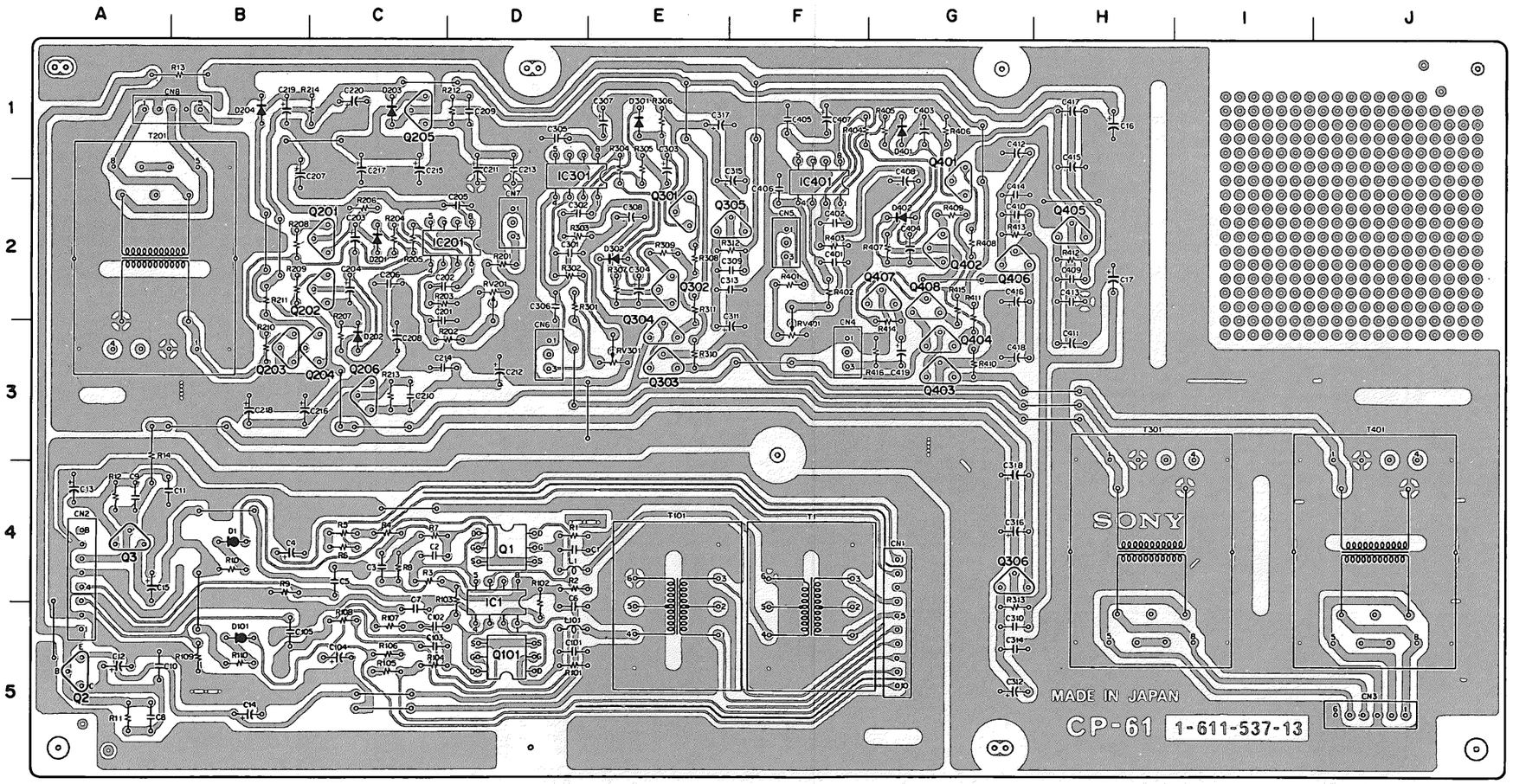


D101	A - 7	Q330	E - 5		
D102	A - 6	Q331	E - 5		
D103	A - 4	Q332	E - 7		
D104	A - 3	Q333	E - 7		
D105	C - 8	Q334	E - 7		
D201	B - 7	Q335	F - 7		
D202	B - 7	Q336	F - 7		
D203	B - 4	Q337	F - 7		
D204	B - 3				
D205	B - 8	RV101	A - 4		
D301	D - 3	RV102	A - 3		
D302	G - 2	RV103	A - 1		
D303	E - 6	RV104	B - 7		
D304	E - 8	RV105	B - 7		
D305	F - 8	RV106	A - 7		
		RV107	A - 6		
E101	A - 5	RV201	C - 4		
E102	B - 1	RV202	C - 3		
E103	A - 6	RV203	B - 1		
E201	C - 5	RV204	C - 8		
E202	C - 1	RV205	C - 7		
E203	C - 6	RV206	C - 7		
E301	G - 1	RV207	C - 6		
E302	G - 4	RV301	E - 1		
E303	E - 4	RV302	F - 1		
IC101	A - 7	S101	A - 4		
IC102	B - 2	S201	C - 4		
IC201	C - 7				
IC202	C - 2	T301	F - 5		
		T302	E - 3		
LV101	B - 4	T303	F - 3		
LV102	A - 2	T304	E - 4		
LV103	A - 6	T305	E - 6		
LV104	B - 5	T306	F - 6		
LV201	C - 4				
LV202	C - 2	TP101	A - 5		
LV203	C - 6	TP102	A - 5		
LV204	C - 5	TP103	A - 2		
LV301	F - 5	TP104	A - 1		
LV302	E - 3	TP105	B - 1		
LV303	G - 3	TP106	B - 8		
LV304	E - 5	TP107	B - 6		
LV305	E - 7	TP201	B - 5		
LV306	F - 7	TP202	B - 5		
		TP203	C - 2		
Q101	A - 6	TP204	C - 1		
Q102	A - 5	TP205	C - 1		
Q103	A - 5	TP206	C - 8		
Q104	A - 4	TP207	C - 6		
Q105	A - 3	TP301	G - 1		
Q106	A - 4	TP302	F - 4		
Q107	A - 3	TP303	E - 1		
Q108	A - 3	TP304	F - 1		
Q109	B - 3	TP305	E - 5		
Q110	A - 2	TP306	E - 7		
Q111	A - 1	TP307	F - 7		
Q112	A - 8				
Q201	B - 6				
Q202	C - 5				
Q203	C - 5				
Q204	C - 4				
Q205	C - 3				
Q206	B - 4				
Q207	B - 3				
Q208	C - 3				
Q209	C - 3				
Q210	B - 2				
Q211	C - 1				
Q212	B - 8				
Q213	C - 1				
Q301	G - 5				
Q302	F - 5				
Q303	G - 5				
Q304	G - 5				
Q305	F - 4				
Q306	F - 4				
Q307	G - 4				
Q308	G - 4				
Q309	D - 3				
Q310	E - 2				
Q311	E - 2				
Q312	D - 2				
Q313	G - 3				
Q314	F - 2				
Q315	F - 2				
Q316	G - 2				
Q317	D - 5				
Q318	E - 4				
Q319	E - 4				
Q320	D - 4				
Q321	D - 7				
Q322	E - 6				
Q323	E - 6				
Q324	D - 6				
Q325	G - 7				
Q326	G - 6				
Q327	F - 6				
Q328	G - 6				
Q329	E - 5				

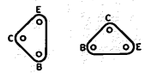
CP-61 (AUDIO INPUT/OUTPUT AMPLIFIER)
SW-13



SW-13 –SOLDERING SIDE–
1-611-539-11
8VW-40
8VW-40P

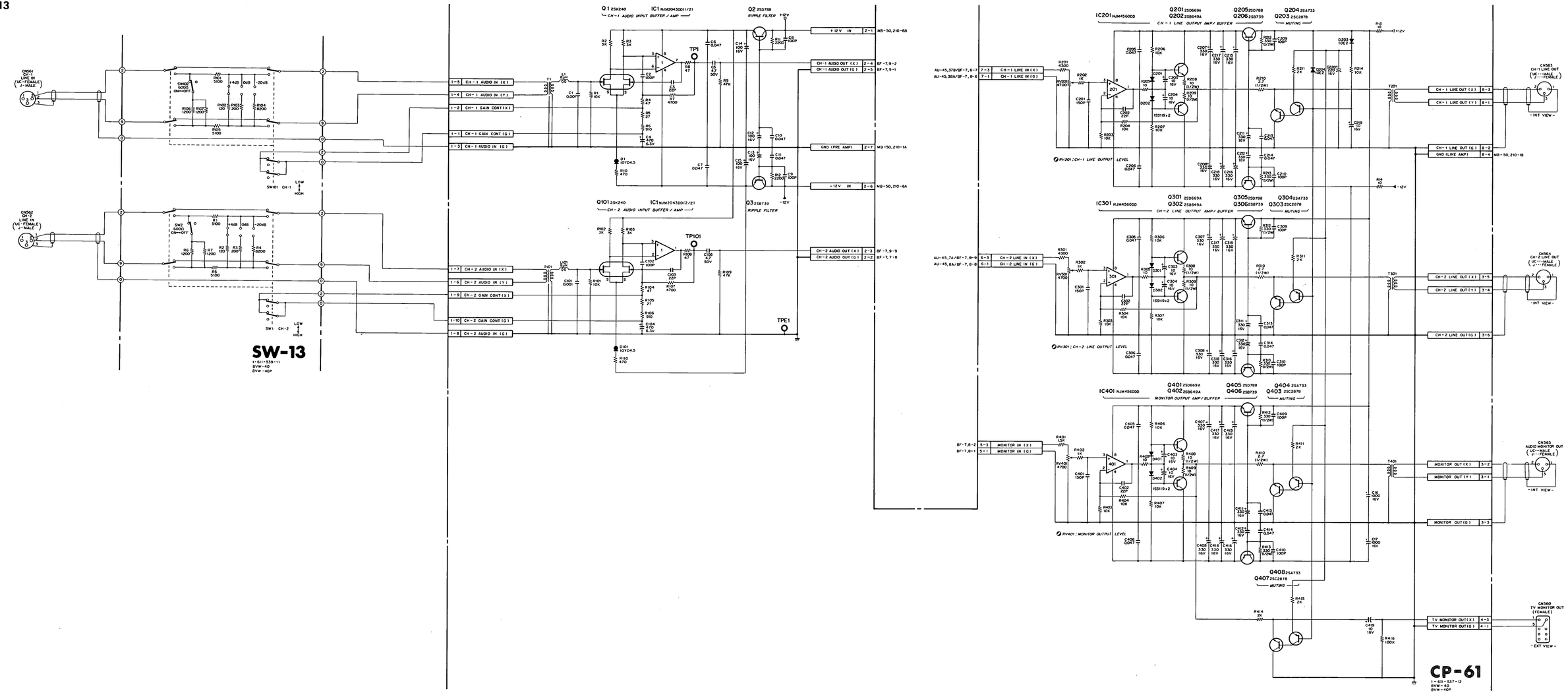


CN1	G - 5
CN2	A - 4
CN3	J - 5
CN4	F - 3
CN5	F - 2
CN6	D - 3
CN7	D - 2
CN8	B - 1
D1	B - 4
D101	B - 5
D201	C - 2
D202	C - 3
D203	C - 1
D204	B - 1
D301	E - 1
D302	E - 2
D401	G - 1
D402	G - 2
IC1	D - 5
IC201	D - 2
IC301	D - 1
IC401	F - 2
Q1	D - 4
Q2	A - 5
Q3	A - 4
Q101	D - 5
Q201	C - 2
Q202	C - 2
Q203	B - 3
Q204	C - 3
Q205	C - 1
Q206	C - 3
Q301	E - 2
Q302	E - 2
Q303	E - 3
Q304	E - 3
Q305	F - 2
Q306	G - 4
Q401	G - 2
Q402	G - 2
Q403	G - 3
Q404	G - 3
Q405	H - 2
Q406	G - 2
Q407	G - 2
Q408	G - 2
RV201	D - 2
RV301	E - 3
RV401	F - 3
T1	F - 5
T101	E - 5
T201	A - 2
T301	H - 4
T401	J - 4



CP-61 –SOLDERING SIDE–
1-611-537-13
8VW-40
8VW-40P

CP-61 (AUDIO INPUT/OUTPUT AMPLIFIER)
SW-13

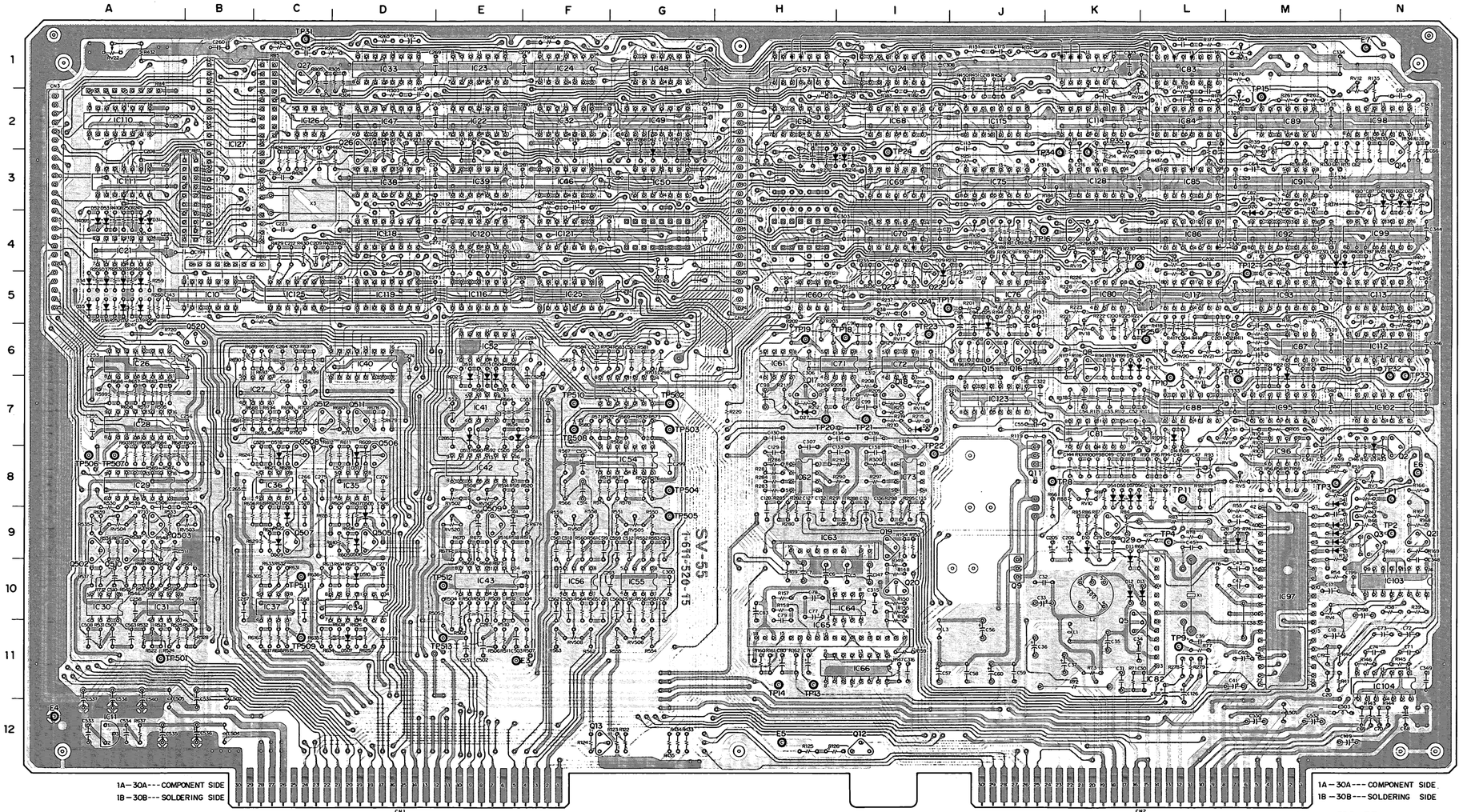


SV-55 SV-55

SV-55 (SERVO SYSTEM)

UP TO S/N 10845 (UC)
UP TO S/N 10295 (J)

CN1	D - 12	IC47	D - 2	Q507	C - 9
CN2	L - 12	IC48	G - 1	Q508	C - 8
CN3	A - 2	IC49	G - 2	Q509	E - 9
CN4	H - 3	IC50	G - 3	Q510	A - 9
		IC51	G - 4	Q511	D - 7
D2	M - 7	IC52	E - 6	Q512	C - 7
D3	N - 8	IC53	C - 7	Q520	B - 6
D4	N - 9	IC54	G - 8		
D5	N - 9	IC55	G - 10	RB4	A - 2
D6	N - 9	IC56	F - 10	RB5	C - 2
D7	N - 9	IC57	H - 1	RB6	B - 4
D8	N - 9	IC58	H - 2	RB7	B - 3
D9	M - 9	IC60	H - 5	RB8	B - 3
D10	K - 9	IC61	H - 6		
D11	K - 10	IC62	H - 8	RV3	N - 8
D12	K - 10	IC63	H - 9	RV4	M - 11
D13	L - 10	IC64	I - 10	RV5	M - 8
D14	L - 8	IC65	H - 11	RV9	M - 8
D15	K - 6	IC66	I - 11	RV10	K - 9
D20	M - 4	IC68	I - 2	RV11	L - 7
D21	N - 3	IC69	I - 3	RV12	N - 1
D22	N - 3	IC70	I - 4	RV13	M - 1
D23	N - 3	IC71	I - 6	RV14	M - 2
D24	L - 7	IC72	I - 6	RV15	J - 4
D25	J - 6	IC73	I - 8	RV16	I - 7
D26	I - 7	IC75	J - 3	RV17	I - 6
D27	H - 7	IC76	J - 5	RV18	K - 6
D28	I - 3	IC77	M - 1	RV19	K - 4
D29	I - 5	IC80	K - 5	RV20	L - 6
D30	A - 4	IC81	K - 7	RV21	L - 6
D31	A - 4	IC82	L - 11	RV22	A - 1
D32	A - 5	IC83	L - 1	RV23	N - 4
D33	A - 5	IC84	L - 4	RV24	K - 2
D34	A - 5	IC85	L - 3	RV501	E - 8
D35	A - 5	IC86	L - 4	RV502	E - 8
D36	A - 5	IC87	M - 6	RV503	B - 9
D37	A - 5	IC88	L - 7	RV504	A - 9
D38	A - 5	IC89	M - 2	RV505	G - 9
D40	A - 5	IC91	M - 3	RV506	G - 11
D41	G - 3	IC92	M - 4	RV507	F - 9
D42	G - 3	IC93	M - 3	RV508	F - 11
D43	I - 3	IC95	M - 7	RV520	E - 9
D52	A - 4	IC96	M - 8		
D53	A - 4	IC97	M - 10	TP1	N - 9
D54	K - 8	IC98	I - 2	TP2	N - 9
D55	K - 8	IC99	N - 4	TP3	M - 8
D57	K - 8	IC102	N - 7	TP4	L - 9
D60	M - 4	IC103	N - 7	TP8	L - 8
D61	M - 4	IC104	N - 11	TP9	L - 11
D501	E - 7	IC110	A - 2	TP10	L - 7
D504	E - 7	IC111	A - 1	TP11	L - 8
D505	D - 9	IC112	N - 6	TP12	M - 5
D506	D - 9	IC113	N - 5	TP13	H - 11
D507	C - 11	IC114	N - 4	TP14	H - 11
D508	C - 9	IC115	J - 2	TP15	M - 2
D509	C - 9	IC116	E - 5	TP16	K - 4
D510	D - 10	IC117	L - 5	TP17	L - 5
D513	E - 7	IC118	D - 4	TP18	I - 6
D514	E - 7	IC119	N - 5	TP19	H - 6
D515	E - 7	IC120	E - 4	TP20	H - 7
D517	D - 8	IC121	F - 4	TP21	I - 7
D518	C - 8	IC123	J - 7	TP22	I - 8
		IC124	I - 1	TP23	I - 6
E3	E - 11	IC125	C - 5	TP24	I - 3
E4	A - 12	IC126	C - 2	TP25	L - 6
E5	H - 12	IC127	B - 2	TP26	L - 4
E6	N - 8	IC128	K - 3	TP31	C - 1
E7	N - 1			TP32	N - 7
		Q2	N - 8	TP33	N - 7
IC10	B - 5	Q3	N - 9	TP34	K - 3
IC11	A - 12	Q6	J - 11	TP35	K - 3
IC21	A - 4	Q8	K - 7	TP501	A - 11
IC22	E - 2	Q9	J - 10	TP502	G - 7
IC23	F - 1	Q11	I - 8	TP503	G - 7
IC24	F - 1	Q12	I - 12	TP504	G - 8
IC25	F - 5	Q13	F - 12	TP505	G - 9
IC26	B - 6	Q14	N - 3	TP506	A - 8
IC27	B - 2	Q15	J - 6	TP507	A - 8
IC28	A - 7	Q16	J - 6	TP508	F - 7
IC29	A - 8	Q17	H - 7	TP509	C - 11
IC30	A - 10	Q18	I - 7	TP510	F - 7
IC31	A - 10	Q19	I - 9	TP511	C - 10
IC32	F - 2	Q20	I - 10	TP512	E - 10
IC33	D - 1	Q21	N - 9	TP513	E - 11
IC34	D - 10	Q22	I - 5		
IC35	D - 8	Q23	I - 5	X1	L - 10
IC36	C - 8	Q24	I - 5	X3	C - 3
IC37	C - 10	Q25	K - 4		
IC38	D - 3	Q26	D - 3		
IC39	E - 3	Q27	C - 1		
IC40	D - 6	Q28	K - 9		
IC41	E - 7	Q502	A - 9		
IC42	E - 8	Q503	A - 9		
IC43	E - 10	Q505	D - 9		
IC46	F - 3	Q506	D - 8		



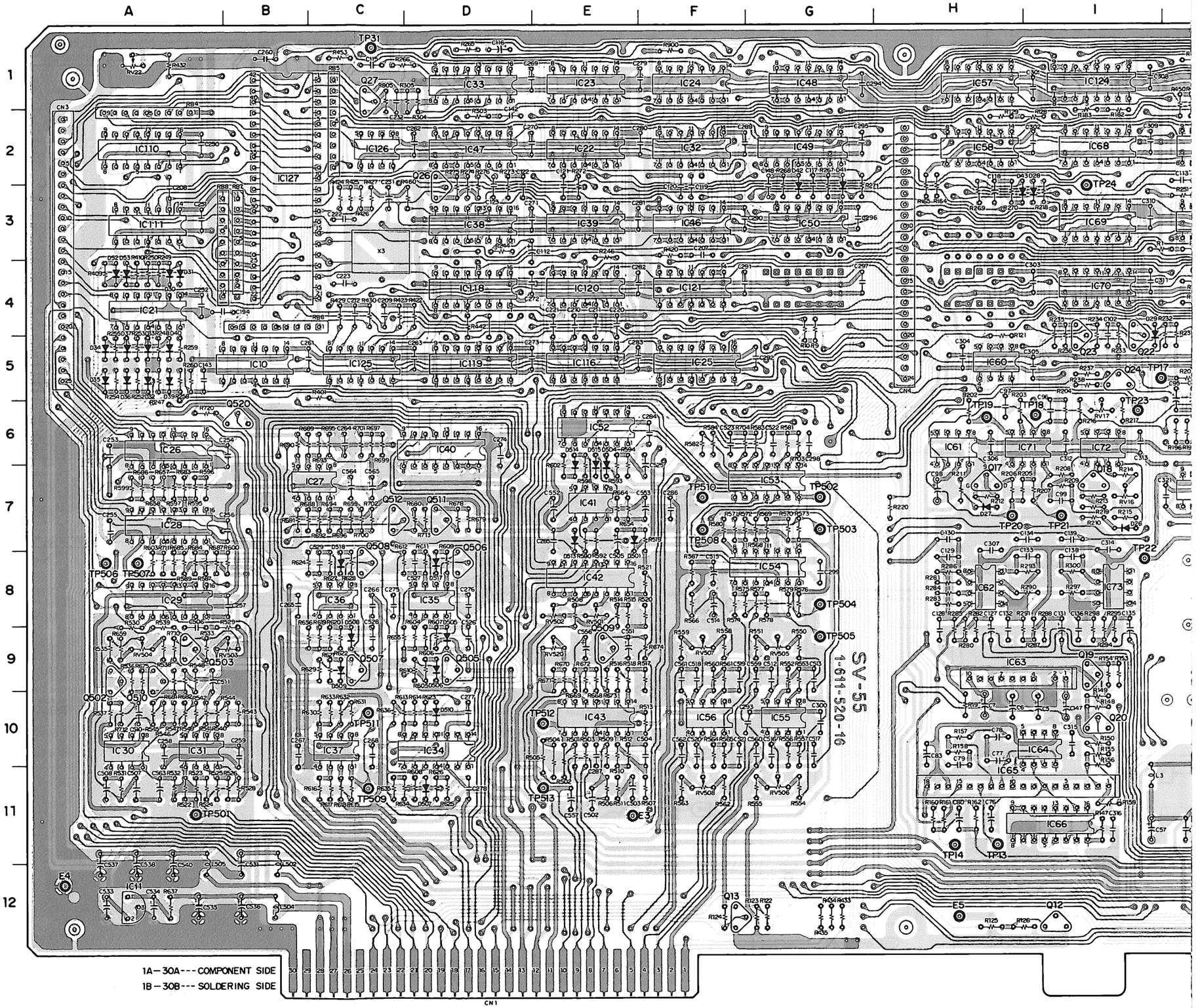
SV-55

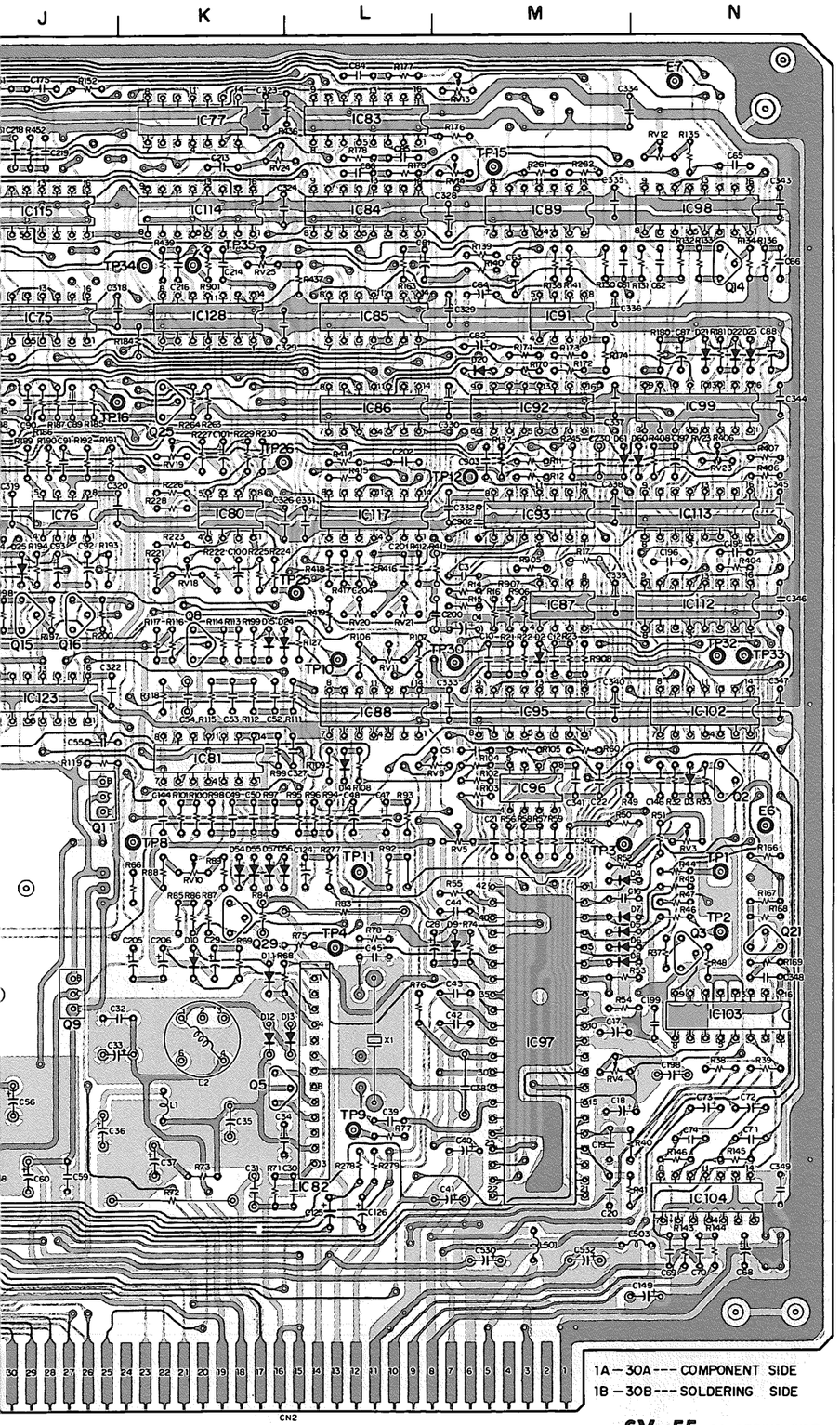
Ref. No.	Type	Pin No. 5V	12V	15V	−5V	−12V	−15V	GND
IC 10	SN74LS37N	14						7
IC 11	NJM78L05A			REFER TO SCHEMATIC				
IC 21	MC14584BCJ*	14						7
IC 22	TC4071BI*	14						7
IC 23	TC4069UBI*	14						7
IC 24	TC4073BI*	14						7
IC 25	TC4021BI*	16						8
IC 26	TC4051BI*	16			7			8
IC 27	μPC358C	8						4
IC 28	TC4051BI*	16			7			8
IC 29	HD14538BI*	16						8
IC 30	μPC358C	8						4
IC 31	NJM2903D	8						4
IC 32	TC4001BI*	14						7
IC 33	HD14538BI*	16						8
IC 34	μPC339C			8			4	
IC 35	μPC358C			8			4	
IC 36	μPC358C			8			4	
IC 37	NJM4558D-F A			8			4	
IC 38	HD14538BI*	16						8
IC 39	TC4069UBI*	14						7
IC 40	TC5067BI*	16						8
IC 41	μPC4558C		8		4			
IC 42	TC4053BI*	16						7, 8
IC 43	μPC324C		4					11
IC 46	TC4081BI*	14						7
IC 47	TC4053BI*	16						7, 8
IC 48	TC4071BI*	14						7
IC 49	TC4053BI*	16						7, 8
IC 50	TC4001BI*	14						7
IC 51	HD14538BI*	16						8
IC 52	TC4013BI*	14						7
IC 53	TC4050BI*	14						7
IC 54	μPC339C		8					4
IC 55	μPC4558C		8					4
IC 56	μPC4558C		8					4
IC 57	TC4069UBI*	14						7
IC 58	TC4069UBI*	14						7
IC 59	TC4011BI*	14						7
IC 60	μPC4558C			8	4			
IC 61	NJM2903D		8					4
IC 62	μPC358C	8						4
IC 63	BX3915A			REFER TO SCHEMATIC				
IC 64	NJM4558D-D		8					4
IC 65	BX3914			REFER TO SCHEMATIC				
IC 66	TC4053BI*		16					7, 8
IC 68	TC4001BI*	14						7
IC 69	TC4030BI*	14						7
IC 70	TC4071BI*	14						7
IC 71	μPC4558C		8					4
IC 72	μPC358C		8					4
IC 73	μPC358C	8						4
IC 75	TC4050BI*	1						8
IC 76	NJM4558D			8	4			
IC 77	TC4081BI*	14						7
IC 80	NJM2903D		8					4
IC 81	μPC324C		4					11
IC 82	BX1154			REFER TO SCHEMATIC				
IC 83	HD14538BI*	16						8
IC 84	HD14538BI*	16						8
IC 85	TC4025BI*	14						7
IC 86	TC4069UBI*	14						7
IC 87	NJM2093D	8						4
IC 88	TC4066BI*	14						7
IC 89	TC4011BI*	14						7
IC 91	NJM2903D	8						4
IC 92	TC4539BI*	16						8
IC 93	TC4069UBI*	14						7
IC 95	HD14538BI*	16						8
IC 96	NJM2903D	8						4
IC 97	CX194B			REFER TO SCHEMATIC				
IC 98	HD14538BI*	16						8
IC 99	TC4052BI*	16						7, 8
IC 102	TC4071BI*	14						7
IC 103	TC4053BI*		16					7, 8
IC 104	TC4066BI*	14						7
IC 110	TC4094BF	16						8
IC 111	TC4069UBI*	14						7
IC 112	HD14538BI*	16						8
IC 113	MC14046BCJ*	16						8
IC 114	HD14538BI*	16						8
IC 116	TC4013BI*	14						7
IC 117	μPC324C	4			11			
IC 118	TC4516BI*	16						8
IC 119	TC4516BI*	16						8
IC 120	TC4081BI*	14						7
IC 121	TC4030BI*	14						7
IC 123	TC4053BI*	16				7		8
IC 124	TC4053BI*	16						7, 8
IC 125	TC4073BI*	14						7
IC 126	NJM2903D	8						4
IC 127	MB88501-207L	42						21
IC 128	TC4013BI*	14						7

SV-55 (SERVO SYSTEM)

S/N 10846 AND LATER (UC)
S/N 10296 AND LATER (J)

CN1	D - 12	IC46	F - 3	Q506	D - 8
CN2	L - 12	IC47	D - 2	Q507	C - 9
CN3	A - 2	IC48	G - 1	Q508	C - 8
CN4	H - 3	IC49	G - 2	Q509	E - 9
		IC50	G - 3	Q510	A - 9
D2	M - 7	IC51	G - 4	Q511	D - 7
D3	N - 8	IC52	E - 6	Q512	C - 7
D4	N - 9	IC53	G - 7	Q520	B - 6
D5	N - 9	IC54	G - 8		
D6	N - 9	IC55	G - 10	RB4	A - 2
D7	N - 9	IC56	F - 10	RB5	C - 2
D8	N - 9	IC57	H - 1	RB6	B - 4
D9	M - 9	IC58	H - 2	RB7	B - 3
D10	K - 9	IC60	H - 5	RB8	B - 3
D11	K - 10	IC61	H - 6		
D12	K - 10	IC62	H - 8	RV3	N - 8
D13	L - 10	IC63	H - 9	RV4	M - 11
D14	L - 8	IC64	I - 10	RV5	M - 8
D15	K - 6	IC65	H - 11	RV9	M - 7
D20	M - 4	IC66	I - 11	RV10	K - 8
D21	N - 3	IC68	I - 2	RV11	L - 7
D22	N - 3	IC69	I - 3	RV12	N - 1
D23	N - 3	IC70	I - 4	RV13	M - 1
D24	L - 6	IC71	I - 6	RV14	M - 2
D25	J - 6	IC72	I - 6	RV15	J - 4
D26	I - 7	IC73	I - 8	RV16	I - 7
D27	H - 7	IC75	J - 3	RV17	I - 6
D28	I - 3	IC76	J - 5	RV18	K - 6
D29	I - 5	IC77	K - 1	RV19	K - 4
D30	A - 4	IC80	K - 5	RV20	L - 6
D31	A - 4	IC81	K - 7	RV21	L - 6
D32	A - 5	IC82	L - 11	RV22	A - 1
D33	A - 5	IC83	L - 1	RV23	N - 4
D34	A - 5	IC84	L - 2	RV24	K - 2
D35	A - 5	IC85	L - 3	RV25	K - 2
D36	A - 5	IC86	L - 4	RV501	E - 8
D37	A - 5	IC87	M - 6	RV502	E - 8
D39	A - 5	IC88	L - 7	RV503	B - 9
D40	A - 5	IC89	M - 2	RV504	A - 9
D41	G - 3	IC91	M - 3	RV505	G - 9
D42	G - 3	IC92	M - 4	RV506	G - 11
D43	I - 3	IC93	M - 5	RV507	F - 9
D52	A - 4	IC95	M - 7	RV508	F - 11
D53	A - 4	IC96	M - 8	RV520	E - 9
D54	K - 8	IC97	M - 10		
D55	K - 8	IC98	N - 2	TP1	N - 8
D56	L - 8	IC99	N - 4	TP2	N - 9
D57	K - 8	IC102	N - 7	TP3	M - 8
D60	N - 4	IC103	N - 10	TP4	L - 9
D61	M - 4	IC104	N - 11	TP8	K - 8
D501	E - 7	IC110	A - 2	TP9	L - 11
D504	E - 7	IC111	A - 3	TP10	L - 7
D505	D - 9	IC112	N - 6	TP11	L - 8
D506	D - 9	IC113	N - 5	TP12	M - 5
D507	D - 11	IC114	K - 2	TP13	H - 11
D508	C - 9	IC115	J - 2	TP14	H - 11
D509	C - 9	IC116	E - 5	TP15	M - 2
D510	D - 10	IC117	L - 5	TP16	K - 4
D513	E - 7	IC118	D - 4	TP17	J - 5
D514	E - 7	IC119	D - 5	TP18	I - 6
D515	E - 7	IC120	E - 4	TP19	H - 6
D517	D - 8	IC121	F - 4	TP20	H - 7
D518	C - 8	IC123	J - 7	TP21	I - 7
		IC124	I - 1	TP22	I - 8
E3	E - 11	IC125	C - 5	TP23	I - 6
E4	A - 12	IC126	C - 2	TP24	I - 3
E5	H - 12	IC127	B - 2	TP25	L - 6
E6	N - 8	IC128	K - 3	TP26	L - 4
E7	N - 1			TP30	M - 7
		Q2	N - 8	TP31	C - 1
IC10	B - 5	Q3	N - 9	TP32	N - 7
IC11	A - 12	Q5	L - 11	TP33	N - 7
IC21	A - 4	Q8	K - 6	TP34	K - 3
IC22	E - 2	Q9	J - 10	TP35	K - 3
IC23	E - 1	Q11	J - 8	TP501	A - 11
IC24	F - 1	Q12	I - 12	TP502	G - 7
IC25	F - 5	Q13	F - 12	TP503	G - 7
IC26	A - 6	Q14	N - 3	TP504	G - 8
IC27	C - 7	Q15	J - 6	TP505	G - 9
IC28	A - 7	Q16	J - 6	TP506	A - 8
IC29	A - 8	Q17	H - 7	TP507	A - 8
IC30	A - 10	Q18	I - 7	TP508	F - 7
IC31	A - 10	Q19	I - 9	TP509	C - 11
IC32	F - 2	Q20	I - 10	TP510	F - 7
IC33	D - 1	Q21	N - 9	TP511	C - 10
IC34	D - 10	Q22	I - 5	TP512	E - 10
IC35	D - 8	Q23	I - 5	TP513	E - 11
IC36	C - 8	Q24	I - 5		
IC37	C - 10	Q25	K - 4	X1	L - 10
IC38	D - 3	Q26	D - 3	X3	C - 3
IC39	E - 3	Q27	C - 1		
IC40	D - 6	Q29	K - 9		
IC41	E - 7	Q502	A - 9		
IC42	E - 8	Q503	A - 9		
IC43	E - 10	Q505	D - 9		





SV-55 –SOLDERING SIDE–

1-611-520-16
BVW-40

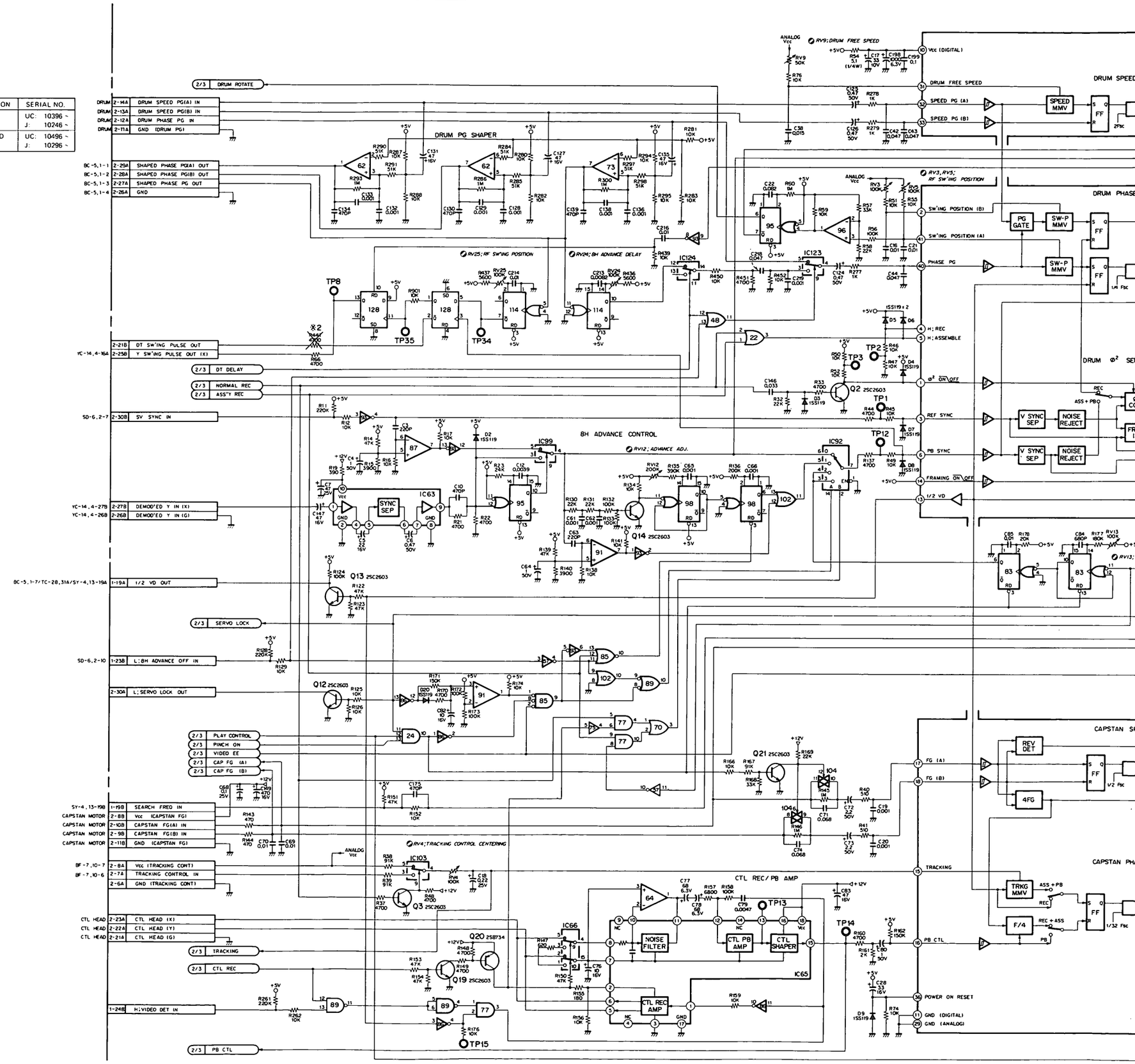
18-184 (b)

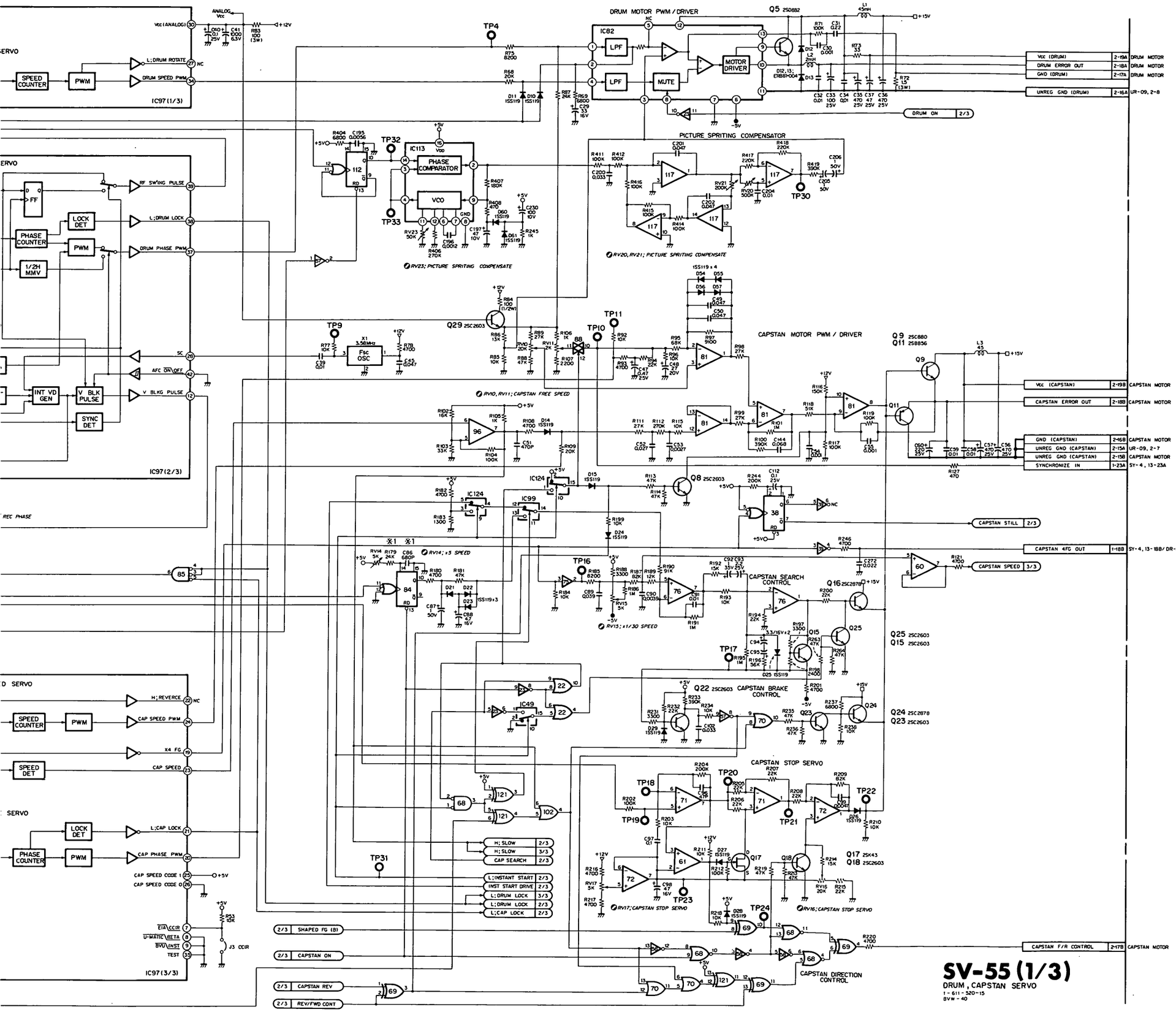
SV-55 (1/3) (SERVO SYSTEM)

UP TO S/N 10845 (UC)
UP TO S/N 10295 (J)

NOTE:

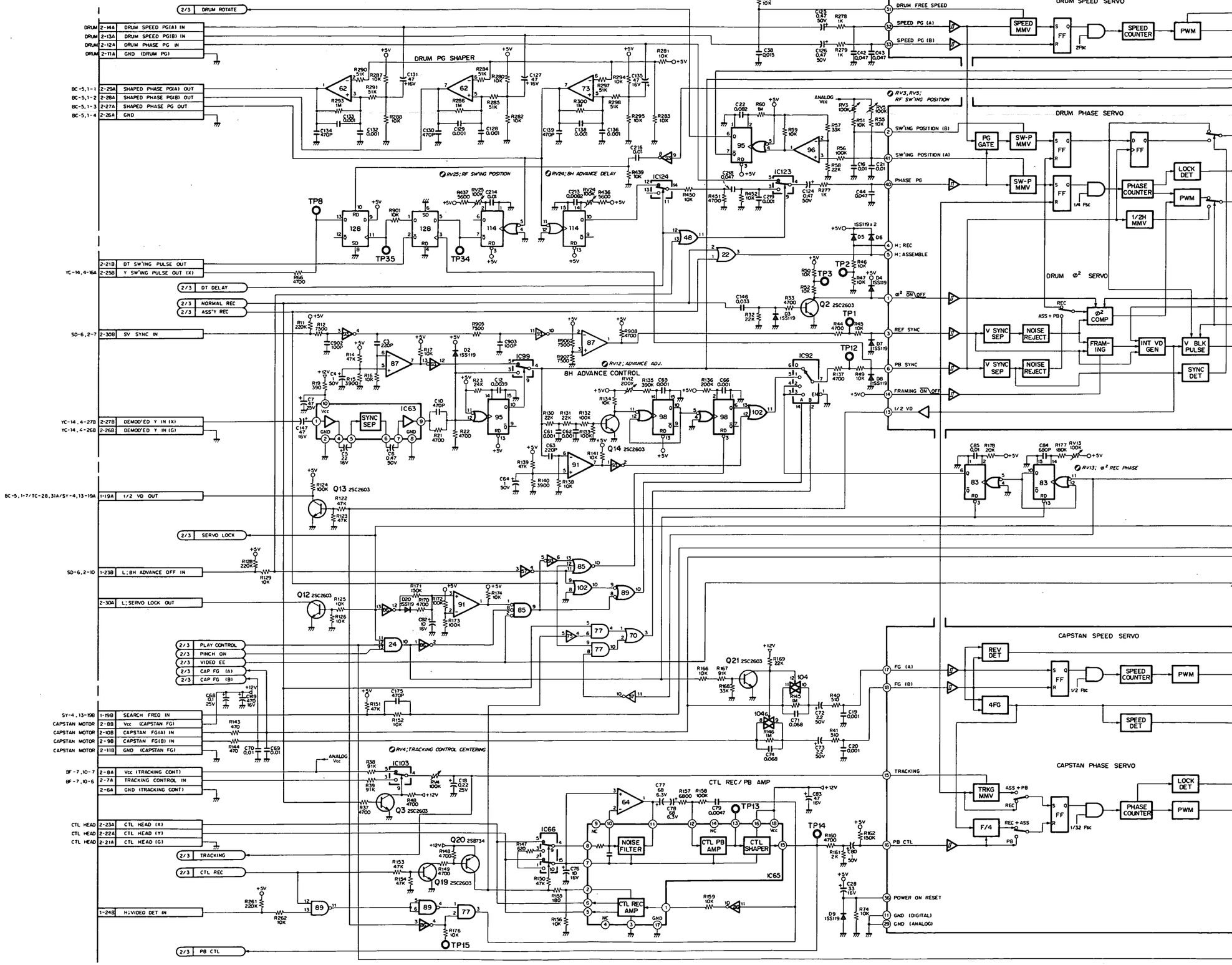
MARK	CHANGE INFORMATION	SERIAL NO.
※1	C86 0.001 → 680P R179 16K → 24K	UC: 10396 ~ J: 10246 ~
※2	R441 4700 DELETED	UC: 10496 ~ J: 10296 ~

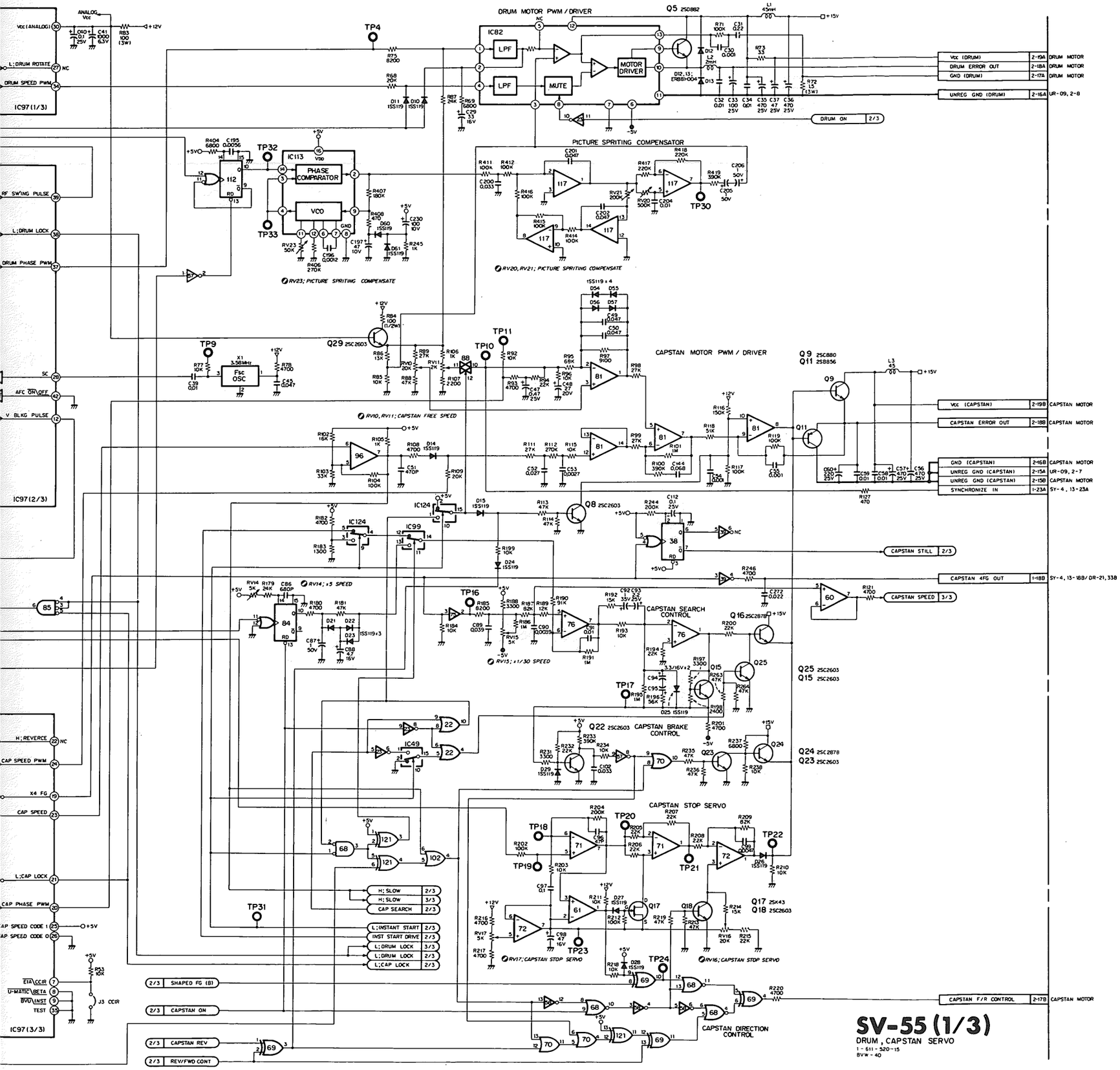



DRUM MOTOR PWM / DRIVER
PICTURE SPRITING COMPENSATOR
CAPSTAN MOTOR PWM / DRIVER
CAPSTAN SEARCH CONTROL
CAPSTAN BRAKE CONTROL
CAPSTAN STOP SERVO
CAPSTAN DIRECTION CONTROL
SPEED COUNTER
PWM
PHASE COMPARATOR
VCO
LPF
MOTOR DRIVER
MUTE
RF SWING PULSE
L;DRUM LOCK
DRUM PHASE PWM
SC
AFC ON\OFF
V BLK PULSE
L;DRUM ROTATE
DRUM SPEED PWM
CAP SPEED PWM
X4 FG
CAP SPEED
L;CAP LOCK
CAP PHASE PWM
CAP SPEED CODE 1
CAP SPEED CODE 0
H;REVERCE
SHAPED FG (B)
CAPSTAN ON
CAPSTAN REV
REV/FWD CONT
Vcc (DRUM)
DRUM ERROR OUT
GND (DRUM)
UNREG GND (DRUM)
DRUM ON
Vcc (CAPSTAN)
CAPSTAN ERROR OUT
GND (CAPSTAN)
UNREG GND (CAPSTAN)
SYNCHRONIZE IN
CAPSTAN STILL
CAPSTAN 4FG OUT
CAPSTAN SPEED
CAPSTAN F/R CONTROL
H;SLOW
CAP SEARCH
L;INSTANT START
INST START DRIVE
IC97(1/3)
IC97(2/3)
IC97(3/3)
IC82
IC113
IC124
IC99
IC49
Q5 2SD882
Q29 2SC2603
Q9 2SC880
Q11 2SB856
Q8 2SC2603
Q16 2SC2878
Q25 2SC2603
Q15 2SC2603
Q22 2SC2603
Q24 2SC2878
Q23 2SC2603
Q17 2SK43
Q18 2SC2603
RV23; PICTURE SPRITING COMPENSATE
RV20, RV21; PICTURE SPRITING COMPENSATE
RV10, RV11; CAPSTAN FREE SPEED
RV14; ±5 SPEED
RV15; ±1/30 SPEED
RV17; CAPSTAN STOP SERVO
RV16; CAPSTAN STOP SERVO
SV-55 (1/3)
DRUM, CAPSTAN SERVO
1-611-520-15
8VW-40

SV-55 (1/3) (SERVO SYSTEM)

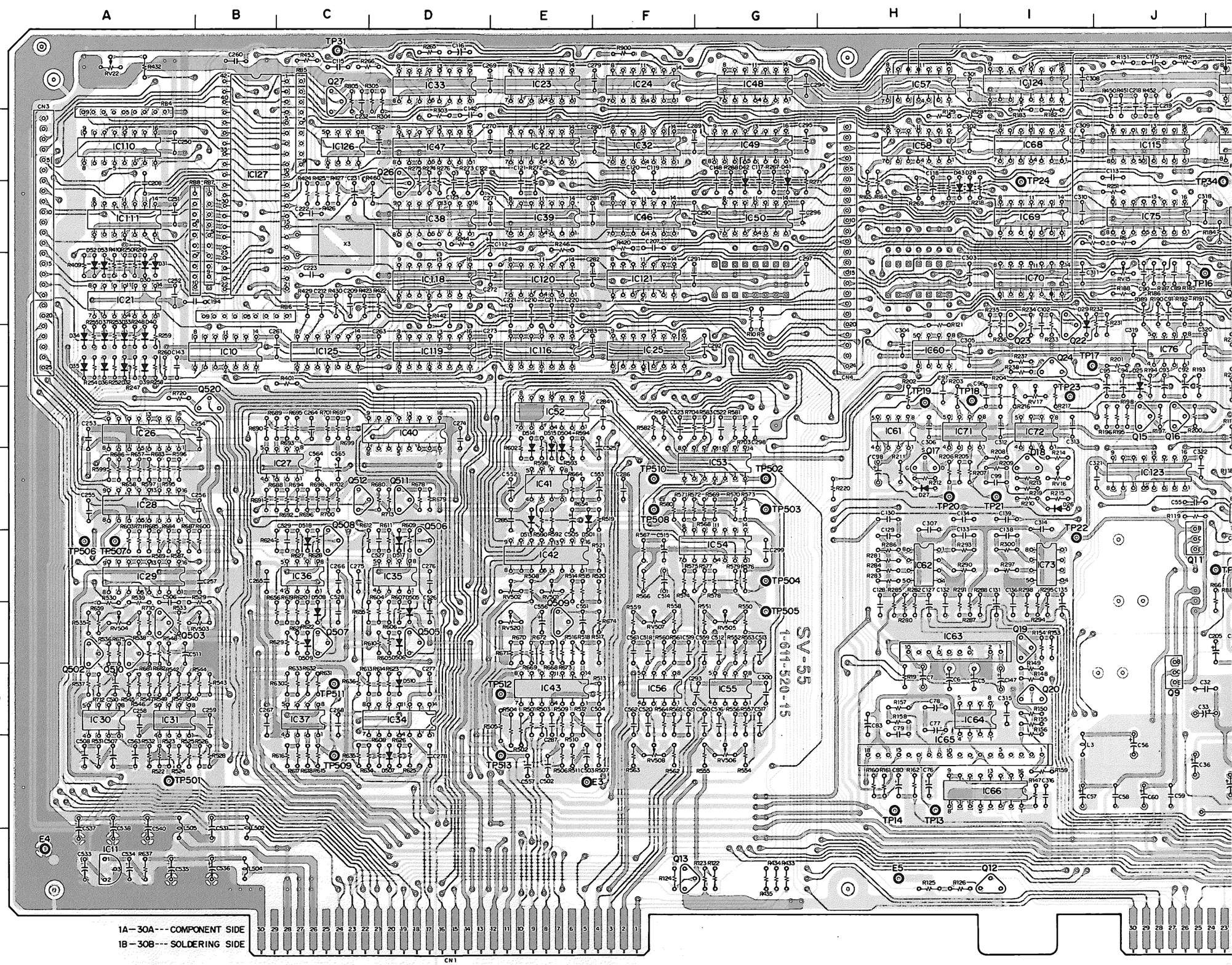
S/N 10846 AND LATER (UC)
S/N 10296 AND LATER (J)

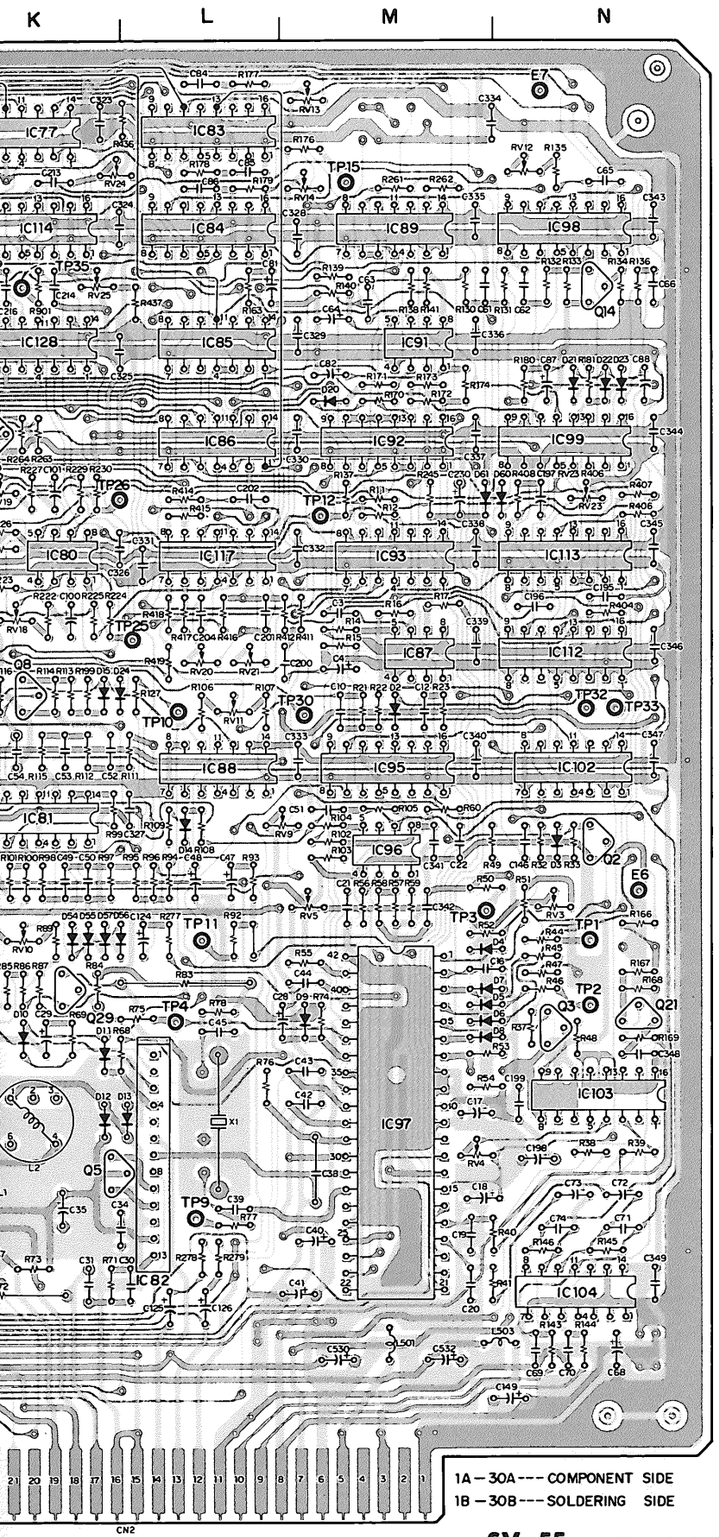


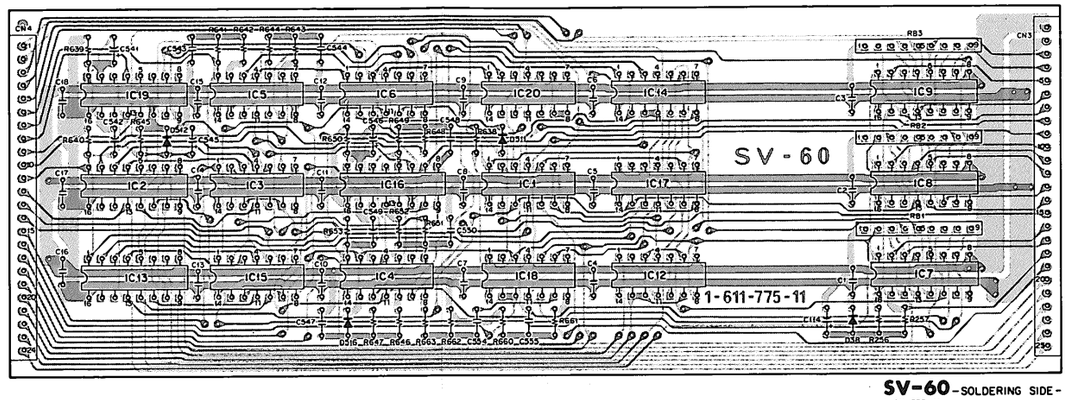

DRUM MOTOR PWM / DRIVER
Q5 2SD882
IC82
LPF
LPF
MUTE
MOTOR DRIVER
PICTURE SPRITING COMPENSATOR
IC113
PHASE COMPARATOR
VCO
RV23; PICTURE SPRITING COMPENSATE
RV20, RV21; PICTURE SPRITING COMPENSATE
CAPSTAN MOTOR PWM / DRIVER
Q9 2SC880
Q11 2SB856
Q29 2SC2603
RV10, RV11; CAPSTAN FREE SPEED
Q8 2SC2603
RV14; ×5 SPEED
RV13; ×1/30 SPEED
CAPSTAN SEARCH CONTROL
Q16 2SC2878
Q25 2SC2603
Q15 2SC2603
CAPSTAN BRAKE CONTROL
Q22 2SC2603
Q24 2SC2878
Q23 2SC2603
CAPSTAN STOP SERVO
Q17 2SK43
Q18 2SC2603
RV17; CAPSTAN STOP SERVO
RV16; CAPSTAN STOP SERVO
CAPSTAN DIRECTION CONTROL
Vcc (DRUM) 2-19A DRUM MOTOR
DRUM ERROR OUT 2-18A DRUM MOTOR
GND (DRUM) 2-17A DRUM MOTOR
UNREG GND (DRUM) 2-16A UR-09, 2-8
DRUM ON 2/3
Vcc (CAPSTAN) 2-19B CAPSTAN MOTOR
CAPSTAN ERROR OUT 2-18B CAPSTAN MOTOR
GND (CAPSTAN) 2-16B CAPSTAN MOTOR
UNREG GND (CAPSTAN) 2-15A UR-09, 2-7
UNREG GND (CAPSTAN) 2-15B CAPSTAN MOTOR
SYNCHRONIZE IN 1-23A SY-4, 13-23A
CAPSTAN STILL 2/3
CAPSTAN 4FG OUT 1-18B SY-4, 13-16B/DR-21, 33B
CAPSTAN SPEED 3/3
CAPSTAN F/R CONTROL 2-17B CAPSTAN MOTOR
H; SLOW 2/3
H; SLOW 3/3
CAP SEARCH 2/3
L; INSTANT START 2/3
INST START DRIVE 2/3
L; DRUM LOCK 3/3
L; DRUM LOCK 2/3
L; CAP LOCK 2/3
SHAPED FG (B) 2/3
CAPSTAN ON 2/3
CAPSTAN REV 2/3
REV/FWD CONT 2/3
IC97(1/3)
IC97(2/3)
IC97(3/3)
SV-55 (1/3)
DRUM, CAPSTAN SERVO
1-511-520-15
8VW-40

SV-55 (SERVO SYSTEM)
SV-60

CN1	D - 12	IC47	D - 2	Q507	C - 9
CN2	L - 12	IC48	G - 1	Q508	C - 8
CN3	A - 2	IC49	G - 2	Q509	E - 9
CN4	H - 3	IC50	G - 3	Q510	A - 9
		IC51	G - 4	Q511	D - 7
D2	M - 7	IC52	E - 6	Q512	C - 7
D3	N - 8	IC53	C - 7	Q520	B - 6
D4	N - 9	IC54	G - 8		
D5	N - 9	IC55	G - 10	RB4	A - 2
D6	N - 9	IC56	F - 10	RB5	C - 2
D7	N - 9	IC57	H - 1	RB6	B - 4
D8	N - 9	IC58	H - 2	RB7	B - 3
D9	M - 9	IC60	H - 5	RB8	B - 3
D10	K - 9	IC61	H - 6		
D11	K - 10	IC62	H - 8	RV3	N - 8
D12	K - 10	IC63	H - 9	RV4	M - 11
D13	L - 10	IC64	I - 10	RV5	M - 8
D14	L - 8	IC65	H - 11	RV9	M - 8
D15	K - 6	IC66	I - 11	RV10	K - 9
D20	M - 4	IC68	I - 2	RV11	L - 7
D21	N - 3	IC69	I - 3	RV12	N - 1
D22	N - 3	IC70	I - 4	RV13	M - 1
D23	N - 3	IC71	I - 6	RV14	M - 2
D24	L - 7	IC72	I - 6	RV15	J - 4
D25	J - 6	IC73	I - 8	RV16	I - 7
D26	I - 7	IC75	J - 3	RV17	I - 6
D27	H - 7	IC76	J - 5	RV18	K - 6
D28	I - 3	IC77	K - 1	RV19	K - 4
D29	I - 5	IC80	K - 5	RV20	L - 6
D30	A - 4	IC81	K - 7	RV21	L - 6
D31	A - 4	IC82	L - 11	RV22	A - 1
D32	A - 5	IC83	L - 1	RV23	N - 4
D33	A - 5	IC84	L - 4	RV24	K - 2
D34	A - 5	IC85	L - 3	RV501	E - 8
D35	A - 5	IC86	L - 4	RV502	E - 8
D36	A - 5	IC87	M - 6	RV503	B - 9
D37	A - 5	IC88	L - 7	RV504	A - 9
D39	A - 5	IC89	M - 2	RV505	G - 9
D40	A - 5	IC91	M - 3	RV506	G - 11
D41	G - 3	IC92	M - 4	RV507	F - 9
D42	G - 3	IC93	M - 3	RV508	F - 11
D43	I - 3	IC95	M - 7	RV520	E - 9
D52	A - 4	IC96	M - 8		
D53	A - 4	IC97	M - 10	TP1	N - 9
D54	K - 8	IC98	N - 2	TP2	N - 9
D55	K - 8	IC99	N - 4	TP3	M - 8
D57	K - 8	IC102	N - 7	TP4	L - 9
D60	N - 4	IC103	N - 10	TP8	K - 8
D61	M - 4	IC104	N - 11	TP9	L - 11
D501	E - 7	IC110	A - 2	TP10	L - 7
D504	E - 7	IC111	A - 3	TP11	L - 8
D505	D - 9	IC112	N - 6	TP12	M - 5
D506	D - 9	IC113	N - 5	TP13	H - 11
D507	D - 11	IC114	K - 2	TP14	H - 11
D508	C - 9	IC115	J - 2	TP15	M - 2
D509	C - 9	IC116	E - 5	TP16	K - 4
D510	D - 10	IC117	L - 5	TP17	J - 5
D513	E - 7	IC118	D - 4	TP18	I - 6
D514	E - 7	IC119	D - 5	TP19	H - 6
D515	E - 7	IC120	E - 4	TP20	H - 7
D517	D - 8	IC121	F - 4	TP21	I - 7
D518	C - 8	IC123	J - 7	TP22	I - 8
		IC124	I - 1	TP23	I - 6
E3	E - 11	IC125	C - 5	TP24	I - 3
E4	A - 12	IC126	C - 2	TP25	L - 6
E5	H - 12	IC127	B - 2	TP26	L - 4
E6	N - 8	IC128	K - 3	TP31	C - 1
E7	N - 1			TP32	N - 7
		Q2	N - 8	TP33	N - 7
IC10	B - 5	Q3	N - 9	TP34	K - 3
IC11	A - 12	Q5	L - 11	TP35	K - 3
IC21	A - 4	Q8	K - 7	TP501	A - 11
IC22	E - 1	Q9	J - 10	TP502	G - 7
IC23	E - 1	Q11	J - 8	TP503	G - 7
IC24	F - 1	Q12	I - 12	TP504	G - 8
IC25	F - 5	Q13	F - 12	TP505	G - 9
IC26	A - 6	Q14	N - 3	TP506	A - 8
IC27	B - 2	Q15	J - 6	TP507	A - 8
IC28	A - 7	Q16	J - 6	TP508	F - 7
IC29	A - 8	Q17	H - 7	TP509	C - 11
IC30	A - 10	Q18	I - 7	TP510	F - 7
IC31	A - 10	Q19	I - 9	TP511	C - 10
IC32	F - 2	Q20	I - 10	TP512	E - 10
IC33	D - 1	Q21	N - 9	TP513	E - 11
IC34	D - 10	Q22	I - 5		
IC35	D - 8	Q23	I - 5	X1	L - 10
IC36	C - 8	Q24	I - 5	X3	C - 3
IC37	C - 10	Q25	K - 4		
IC38	D - 3	Q26	D - 3		
IC39	E - 3	Q27	C - 1		
IC40	D - 6	Q29	K - 9		
IC41	E - 7	Q502	A - 9		
IC42	E - 8	Q503	A - 9		
IC43	E - 10	Q505	D - 9		
IC46	F - 3	Q506	D - 8		







SV-60 -SOLDERING SIDE-
1-611-775-11
BVW - 40
BVW - 40P

SV - 55

Ref. No.	Type	Pin No.						
		+5V	+12V	+15V	−5V	−12V	−15V	GND
IC 10	SN74LS37N	14						7
IC 11	NJM78L05A	REFER TO SCHEMATIC						
IC 21	MC14584BCP	14						7
IC 22	TC4071BP	14						7
IC 23	TC4069UBP	14						7
IC 24	TC4073BP	14						7
IC 25	TC4021BP	16						8
IC 26	TC4051BP	16			7			8
IC 27	μPC358C	8						4
IC 28	TC4051BP	16			7			8
IC 29	HD14538BP	16						8
IC 30	μPC358C	8						4
IC 31	NJM2903D	8						4
IC 32	TC4001BP	14						7
IC 33	HD14538BP	16						8
IC 34	μPC339C			8			4	
IC 35	μPC358C			8			4	
IC 36	μPC358C			8			4	
IC 37	NJM4558D-FA			8			4	
IC 38	HD14538BP	16						8
IC 39	TC4069UBP	14						7
IC 40	TC5067BP	16						8
IC 41	μPC4558C		8		4			
IC 42	TC4053BP	16						7, 8
IC 43	μPC324C		4					11
IC 46	TC4081BP	14						7
IC 47	TC4053BP	16						7, 8
IC 48	TC4071BP	14						7
IC 49	TC4053BP	16						7, 8
IC 50	TC4001BP	14						7
IC 51	HD14538BP	16						8
IC 52	TC4013BP	14						7
IC 53	TC4030BP	14						7
IC 54	μPC339C		8					4
IC 55	μPC4558C		8					4
IC 56	μPC4558C		8					4
IC 57	TC4069UBP	14						7
IC 58	TC4069UBP	14						7
IC 59	TC4011BP	14						7
IC 60	μPC4558C			8	4			
IC 61	NJM2903D		8					4
IC 62	μPC358C	8						4
IC 63	BX3915A	REFER TO SCHEMATIC						
IC 64	NJM4558D-D		8					4
IC 65	BX3914	REFER TO SCHEMATIC						
IC 66	TC4053BP		16					7, 8
IC 68	TC4001BP	14						7

SV - 55

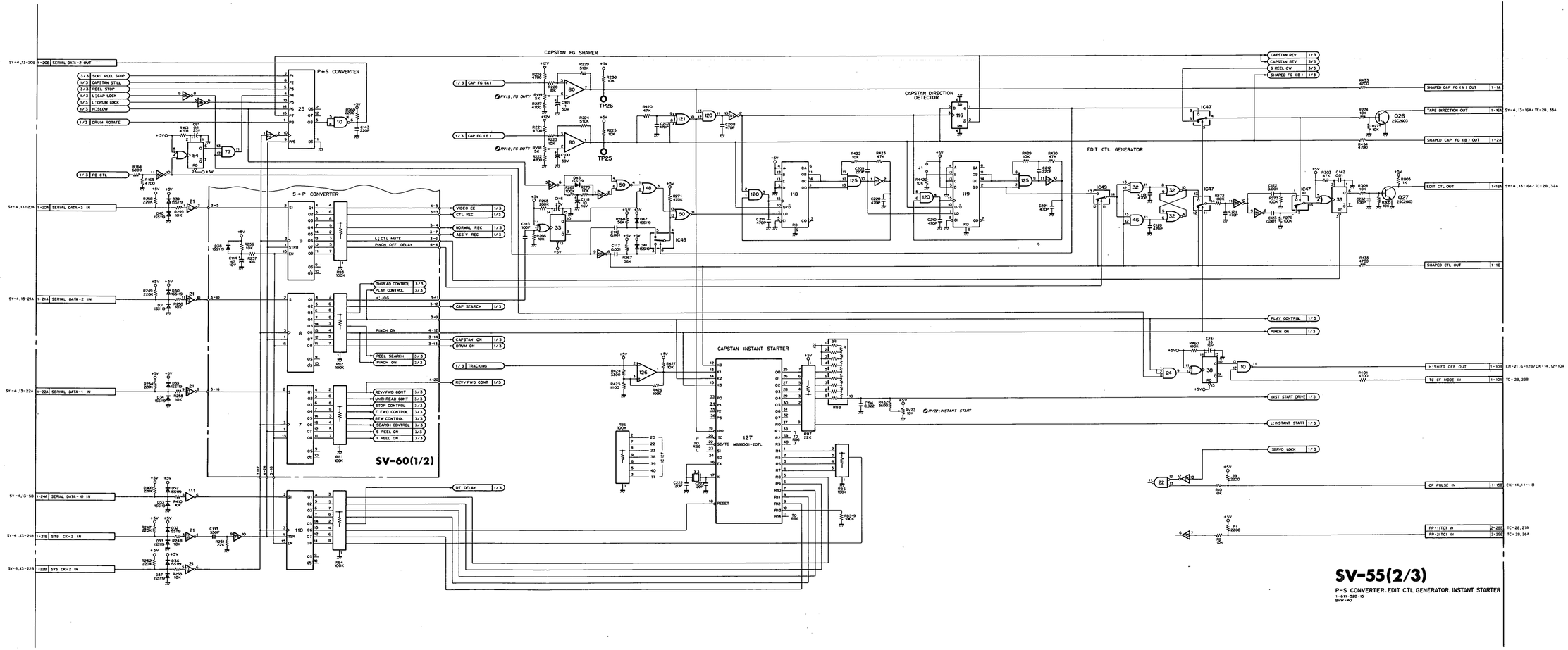
Ref. No.	Type	Pin No.						
		+5V	+12V	+15V	−5V	−12V	−15V	GND
IC 69	TC4030BP	14						7
IC 70	TC4071BP	14						7
IC 71	μPC4558C		8					4
IC 72	μPC358C		8					4
IC 73	μPC358C	8						4
IC 75	TC4050BP	1						8
IC 76	NJM4558D			8	4			
IC 77	TC4081BP	14						7
IC 80	NJM2903D		8					4
IC 81	μPC324C		4					11
IC 82	BX1154	REFER TO SCHEMATIC						
IC 83	HD14538BP	16						8
IC 84	HD14538BP	16						8
IC 85	TC4025BP	14						7
IC 86	TC4069UBP	14						7
IC 87	NJM2093D	8						4
IC 88	TC4066BP	14						7
IC 89	TC4011BP	14						7
IC 91	NJM2903D	8						4
IC 92	TC4539BP	16						8
IC 93	TC4069UBP	14						7
IC 95	HD14538BP	16						8
IC 96	NJM2903D	8						4
IC 97	CX194B	REFER TO SCHEMATIC						
IC 98	HD14538BP	16						8
IC 99	TC4053BP	16						7, 8
IC 102	TC4071BP	14						7
IC 103	TC4053BP		16					7, 8
IC 104	TC4066BP	14						7
IC 110	TC4094BF	16						8
IC 111	TC4069UBP	14						7
IC 112	HD14538BP	16						8
IC 113	MC14046BCP	16						8
IC 114	HD14538BP	16						8
IC 116	TC4013BP	14						7
IC 117	μPC324C	4			11			
IC 118	TC4516BP	16						8
IC 119	TC4516BP	16						8
IC 120	TC4081BP	14						7
IC 121	TC4030BP	14						7
IC 123	TC4053BP	16				7		8
IC 124	TC4053BP	16						7, 8
IC 125	TC4073BP	14						7
IC 126	NJM2903D	8						4
IC 127	MB88501-207L	42						21
IC 128	TC4013BP	14						7

SV - 60

Ref. No.	Type	Pin No.	
		+5V	GND
IC 1	TC4081BP	14	7
IC 2	TC4532BP	16	8
IC 3	TC4081BP	14	7
IC 4	TC4081BP	14	7
IC 5	TC4030BP	14	7
IC 6	TC4071BP	14	7
IC 7	TC4094BF	16	8
IC 8	TC4094BF	16	8
IC 9	TC4094BF	16	8
IC 12	TC4011BP	14	7
IC 13	TC4532BP	16	8
IC 14	TC4073BP	14	7
IC 15	TC4081BP	14	7
IC 16	HD14538BP	16	8
IC 17	TC4069UBP	14	7
IC 18	TC4075BP	14	7
IC 19	HD14538BP	16	8
IC 20	TC4071BP	14	7

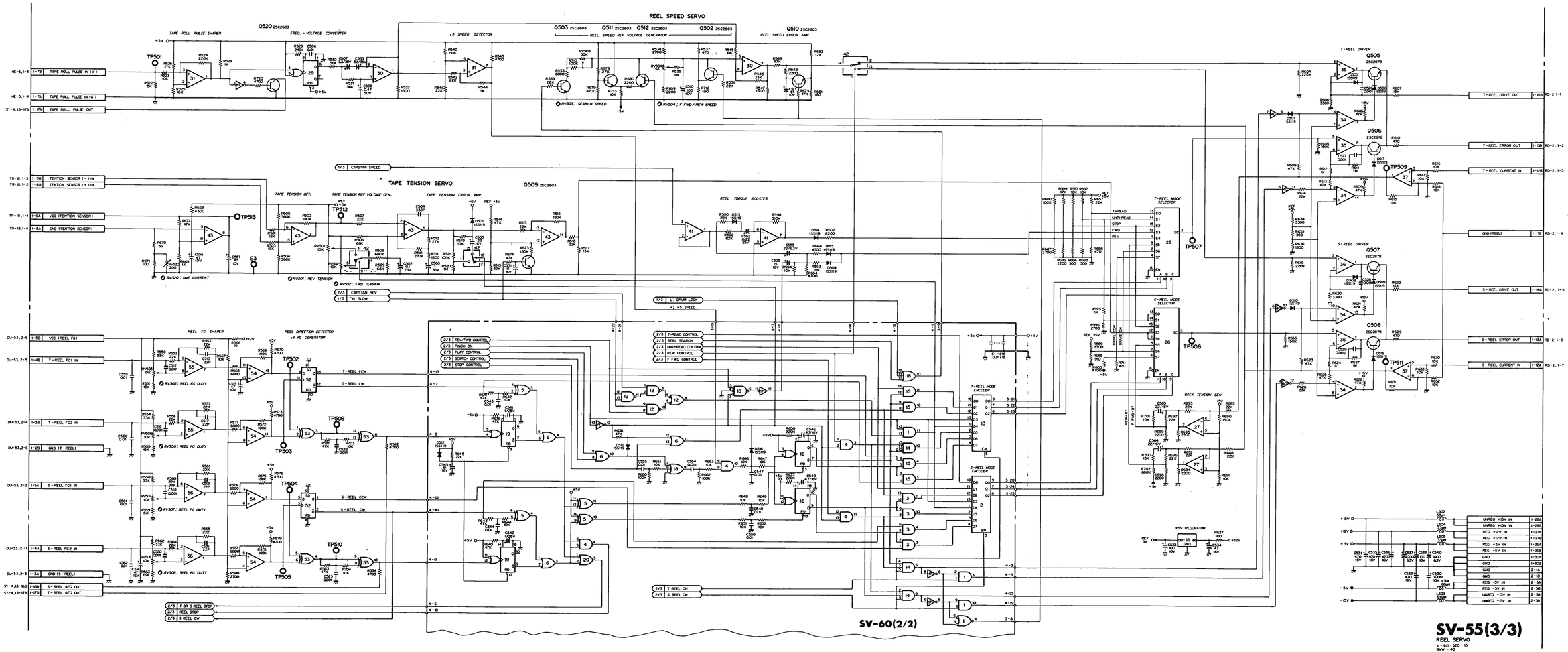
SV-55 (2/3), SV-60 (1/2)
SV-55 (2/3), SV-60 (1/2)

SV-55 (2/3) (SERVO SYSTEM)
SV-60 (1/2)



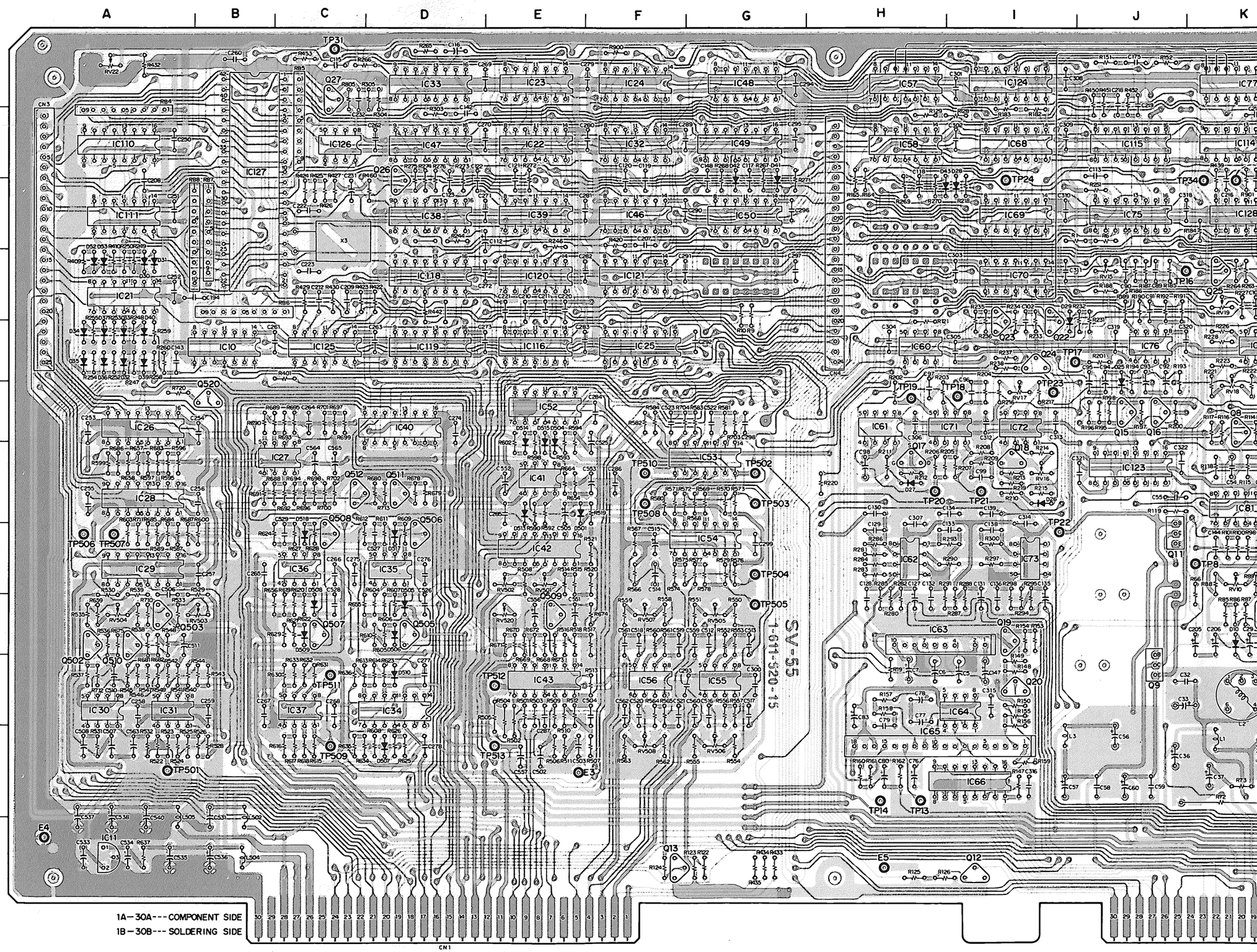
SV-55 (3/3), SV-60 (2/2) SV-55 (3/3), SV-60 (2/2)

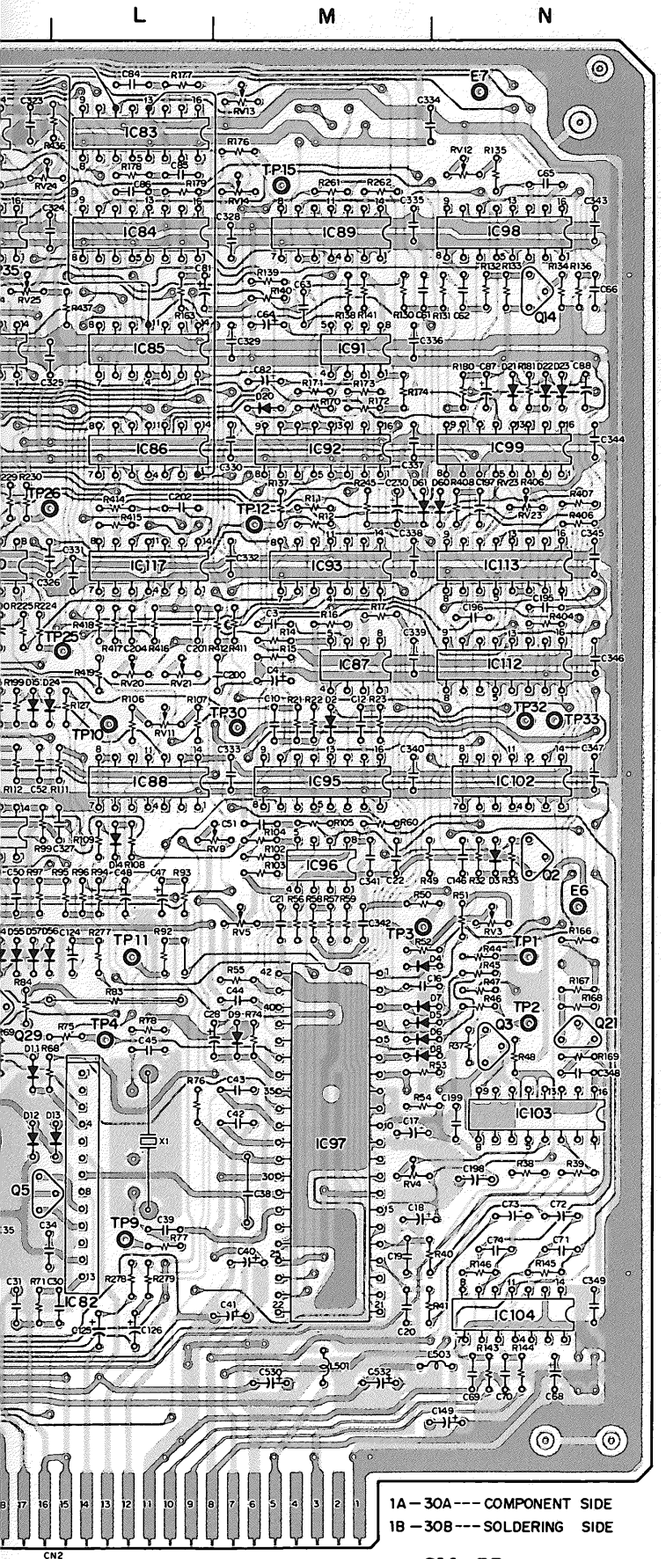
SV-55 (3/3) (SERVO SYSTEM)
SV-60 (2/2)



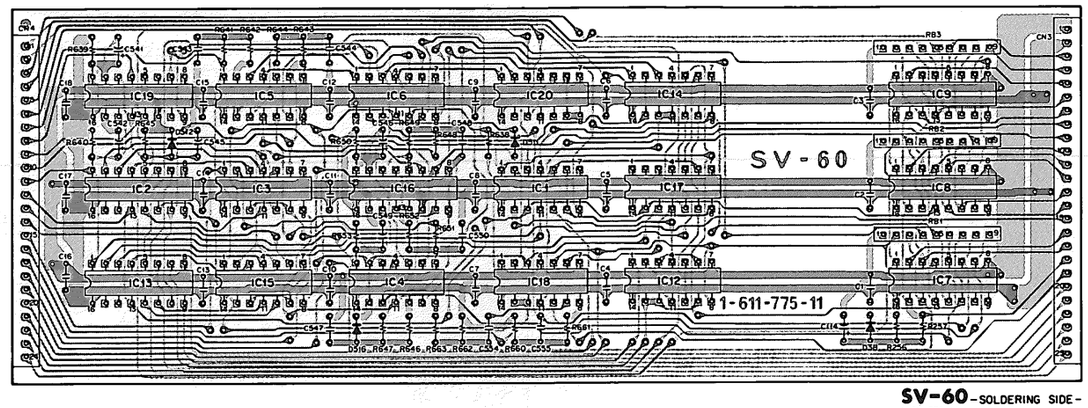
SV-55 (SERVO SYSTEM)
SV-60

CN1	D - 12	IC47	D - 2	Q507	C - 9
CN2	L - 12	IC48	G - 1	Q508	C - 8
CN3	A - 2	IC49	G - 2	Q509	E - 9
CN4	H - 3	IC50	G - 3	Q510	A - 9
		IC51	G - 4	Q511	D - 7
D2	M - 7	IC52	E - 6	Q512	C - 7
D3	N - 8	IC53	C - 7	Q520	B - 6
D4	N - 9	IC54	G - 8		
D5	N - 9	IC55	G - 10	RB4	A - 2
D6	N - 9	IC56	F - 10	RB5	C - 2
D7	N - 9	IC57	H - 1	RB6	B - 4
D8	N - 9	IC58	H - 2	RB7	B - 3
D9	M - 9	IC60	H - 5	RB8	B - 3
D10	K - 9	IC61	H - 6		
D11	K - 10	IC62	H - 8	RV3	N - 8
D12	K - 10	IC63	H - 9	RV4	M - 11
D13	L - 10	IC64	I - 10	RV5	M - 8
D14	L - 8	IC65	H - 11	RV9	M - 8
D15	K - 6	IC66	I - 11	RV10	K - 9
D20	M - 4	IC68	I - 2	RV11	L - 7
D21	N - 3	IC69	I - 3	RV12	N - 1
D22	N - 3	IC70	I - 4	RV13	M - 1
D23	N - 3	IC71	I - 6	RV14	M - 2
D24	L - 7	IC72	I - 6	RV15	J - 4
D25	J - 6	IC73	I - 8	RV16	I - 7
D26	I - 7	IC75	J - 3	RV17	I - 6
D27	H - 7	IC76	J - 5	RV18	K - 6
D28	I - 3	IC77	K - 1	RV19	K - 4
D29	I - 5	IC80	K - 5	RV20	L - 6
D30	A - 4	IC81	K - 7	RV21	L - 6
D31	A - 4	IC82	L - 11	RV22	A - 1
D32	A - 5	IC83	L - 1	RV23	N - 4
D33	A - 5	IC84	L - 4	RV24	K - 2
D34	A - 5	IC85	L - 3	RV501	E - 8
D35	A - 5	IC86	L - 4	RV502	E - 8
D36	A - 5	IC87	M - 6	RV503	B - 9
D37	A - 5	IC88	L - 7	RV504	A - 9
D39	A - 5	IC89	M - 2	RV505	G - 9
D40	A - 5	IC91	M - 3	RV506	G - 11
D41	G - 3	IC92	M - 4	RV507	F - 9
D42	G - 3	IC93	M - 3	RV508	F - 11
D43	I - 3	IC95	M - 7	RV520	E - 9
D52	A - 4	IC96	M - 8		
D53	A - 4	IC97	M - 10	TP1	N - 9
D54	K - 8	IC98	N - 2	TP2	N - 9
D55	K - 8	IC99	N - 4	TP3	M - 8
D57	K - 8	IC102	N - 7	TP4	L - 9
D60	N - 4	IC103	N - 10	TP8	K - 8
D61	M - 4	IC104	N - 11	TP9	L - 11
D501	E - 7	IC110	A - 2	TP10	L - 7
D504	E - 7	IC111	A - 3	TP11	L - 8
D505	D - 9	IC112	N - 6	TP12	M - 5
D506	D - 9	IC113	N - 5	TP13	H - 11
D507	D - 11	IC114	K - 2	TP14	H - 11
D508	C - 9	IC115	J - 2	TP15	M - 2
D509	C - 9	IC116	E - 5	TP16	K - 4
D510	D - 10	IC117	L - 5	TP17	J - 5
D513	E - 7	IC118	D - 4	TP18	I - 6
D514	E - 7	IC119	D - 5	TP19	H - 6
D515	E - 7	IC120	E - 4	TP20	H - 7
D517	D - 8	IC121	F - 4	TP21	I - 7
D518	C - 8	IC123	J - 7	TP22	I - 8
		IC124	I - 1	TP23	I - 6
E3	E - 11	IC125	C - 5	TP24	I - 3
E4	A - 12	IC126	C - 2	TP25	L - 6
E5	H - 12	IC127	B - 2	TP26	L - 4
E6	N - 8	IC128	K - 3	TP31	C - 1
E7	N - 1			TP32	N - 7
		Q2	N - 8	TP33	N - 7
IC10	B - 5	Q3	N - 9	TP34	K - 3
IC11	A - 12	Q5	L - 11	TP35	K - 3
IC21	A - 4	Q8	K - 7	TP501	A - 11
IC22	E - 2	Q9	J - 10	TP502	G - 7
IC23	E - 1	Q11	J - 8	TP503	G - 7
IC24	F - 1	Q12	I - 12	TP504	G - 8
IC25	F - 5	Q13	F - 12	TP505	G - 9
IC26	A - 6	Q14	N - 3	TP506	A - 8
IC27	B - 2	Q15	J - 6	TP507	A - 8
IC28	A - 7	Q16	J - 6	TP508	F - 7
IC29	A - 8	Q17	H - 7	TP509	C - 11
IC30	A - 10	Q18	I - 7	TP510	F - 7
IC31	A - 10	Q19	I - 9	TP511	C - 10
IC32	F - 2	Q20	I - 10	TP512	E - 10
IC33	D - 1	Q21	N - 9	TP513	E - 11
IC34	D - 10	Q22	I - 5		
IC35	D - 8	Q23	I - 5	X1	L - 10
IC36	C - 8	Q24	I - 5	X3	C - 3
IC37	C - 10	Q25	K - 4		
IC38	D - 3	Q26	D - 3		
IC39	E - 3	Q27	C - 1		
IC40	D - 6	Q29	K - 9		
IC41	E - 7	Q502	A - 9		
IC42	E - 8	Q503	A - 9		
IC43	E - 10	Q505	D - 9		
IC46	F - 3	Q506	D - 8		





SV-55—SOLDERING SIDE—
1-611-520-15
BVW-40



SV-60—SOLDERING SIDE—
1-611-775-11
BVW-40
BVW-40P

SV-55

Ref. No.	Type	Pin No. +5V	+12V	+15V	−5V	−12V	−15V	GND
IC 10	SN74LS37N	14						7
IC 11	NJM78L05A	REFER TO SCHEMATIC						
IC 21	MC14584BCP	14						7
IC 22	TC4071BP	14						7
IC 23	TC4069UBP	14						7
IC 24	TC4073BP	14						7
IC 25	TC4021BP	16						8
IC 26	TC4051BP	16			7			8
IC 27	μPC358C	8						4
IC 28	TC4051BP	16			7			8
IC 29	HD14538BP	16						8
IC 30	μPC358C	8						4
IC 31	NJM2903D	8						4
IC 32	TC4001BP	14						7
IC 33	HD14538BP	16						8
IC 34	μPC339C			8			4	
IC 35	μPC358C			8			4	
IC 36	μPC358C			8			4	
IC 37	NJM4558D-FA			8			4	
IC 38	HD14538BP	16						8
IC 39	TC4069UBP	14						7
IC 40	TC5067BP	16						8
IC 41	μPC4558C		8		4			
IC 42	TC4053BP	16						7, 8
IC 43	μPC324C		4					11
IC 46	TC4081BP	14						7
IC 47	TC4053BP	16						7, 8
IC 48	TC4071BP	14						7
IC 49	TC4053BP	16						7, 8
IC 50	TC4001BP	14						7
IC 51	HD14538BP	16						8
IC 52	TC4013BP	14						7
IC 53	TC4030BP	14						7
IC 54	μPC339C		8					4
IC 55	μPC4558C		8					4
IC 56	μPC4558C		8					4
IC 57	TC4069UBP	14						7
IC 58	TC4069UBP	14						7
IC 59	TC4011BP	14						7
IC 60	μPC4558C			8	4			
IC 61	NJM2903D		8					4
IC 62	μPC358C	8						4
IC 63	BX3915A	REFER TO SCHEMATIC						
IC 64	NJM4558D-D		8					4
IC 65	BX3914	REFER TO SCHEMATIC						
IC 66	TC4053BP		16					7, 8
IC 68	TC4001BP	14						7

SV-55

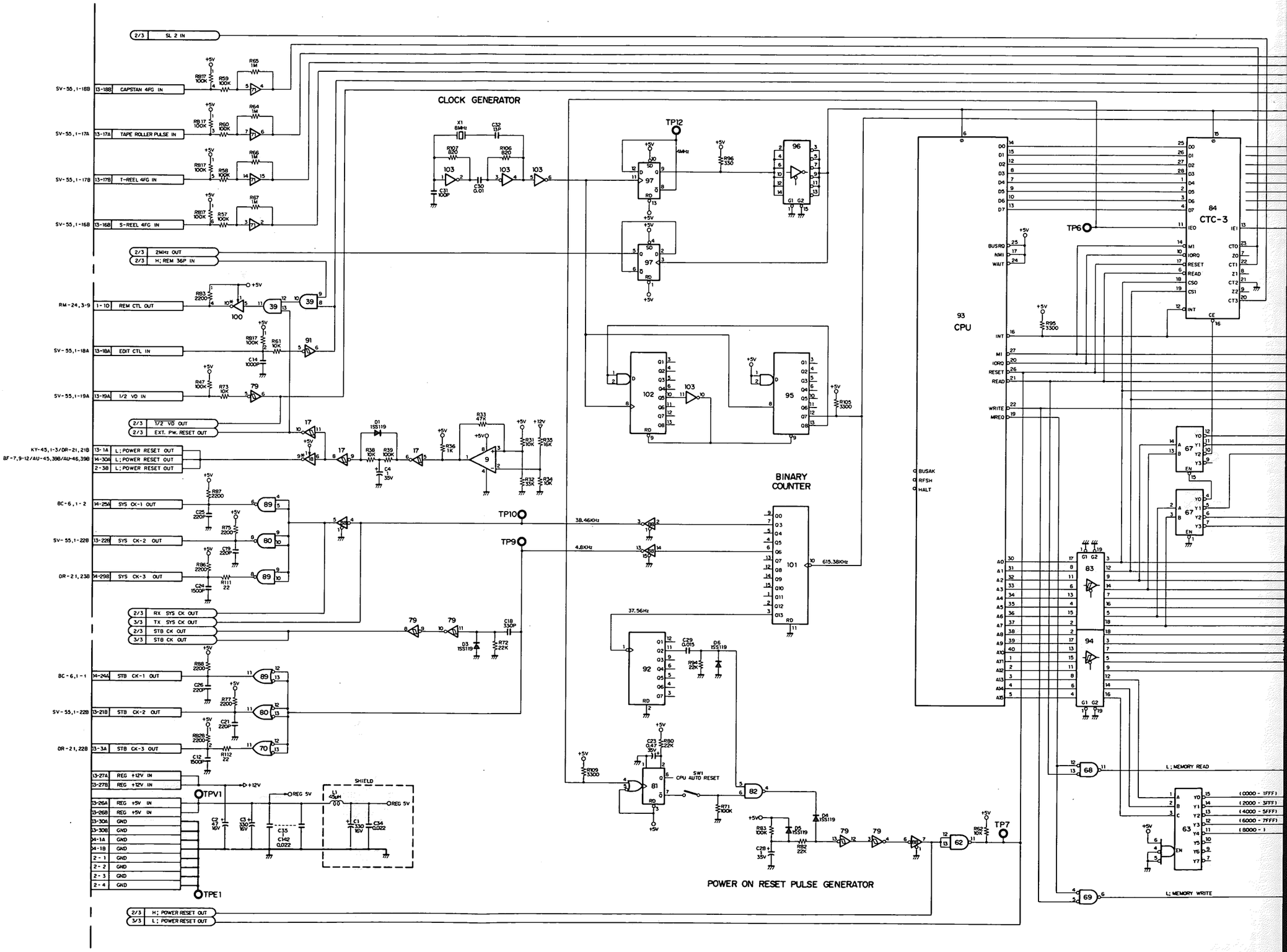
Ref. No.	Type	Pin No. +5V	+12V	+15V	−5V	−12V	−15V	GND
IC 69	TC4030BP	14						7
IC 70	TC4071BP	14						7
IC 71	μPC4558C		8					4
IC 72	μPC358C		8					4
IC 73	μPC358C	8						4
IC 75	TC4050BP	1						8
IC 76	NJM4558D			8	4			
IC 77	TC4081BP	14						7
IC 80	NJM2903D		8					4
IC 81	μPC324C		4					11
IC 82	BX1154	REFER TO SCHEMATIC						
IC 83	HD14538BP	16						8
IC 84	HD14538BP	16						8
IC 85	TC4025BP	14						7
IC 86	TC4069UBP	14						7
IC 87	NJM2093D	8						4
IC 88	TC4066BP	14						7
IC 89	TC4011BP	14						7
IC 91	NJM2903D	8						4
IC 92	TC4539BP	16						8
IC 93	TC4069UBP	14						7
IC 95	HD14538BP	16						8
IC 96	NJM2903D	8						4
IC 97	CX194B	REFER TO SCHEMATIC						
IC 98	HD14538BP	16						8
IC 99	TC4053BP	16						7, 8
IC 102	TC4071BP	14						7
IC 103	TC4053BP		16					7, 8
IC 104	TC4066BP	14						7
IC 110	TC4094BF	16						8
IC 111	TC4069UBP	14						7
IC 112	HD14538BP	16						8
IC 113	MC14046BCP	16						8
IC 114	HD14538BP	16						8
IC 116	TC4013BP	14						7
IC 117	μPC324C	4			11			
IC 118	TC4516BP	16						8
IC 119	TC4516BP	16						8
IC 120	TC4081BP	14						7
IC 121	TC4030BP	14						7
IC 123	TC4053BP	16				7		8
IC 124	TC4053BP	16						7, 8
IC 125	TC4073BP	14						7
IC 126	NJM2903D	8						4
IC 127	MB88501-207L	42						21
IC 128	TC4013BP	14						7

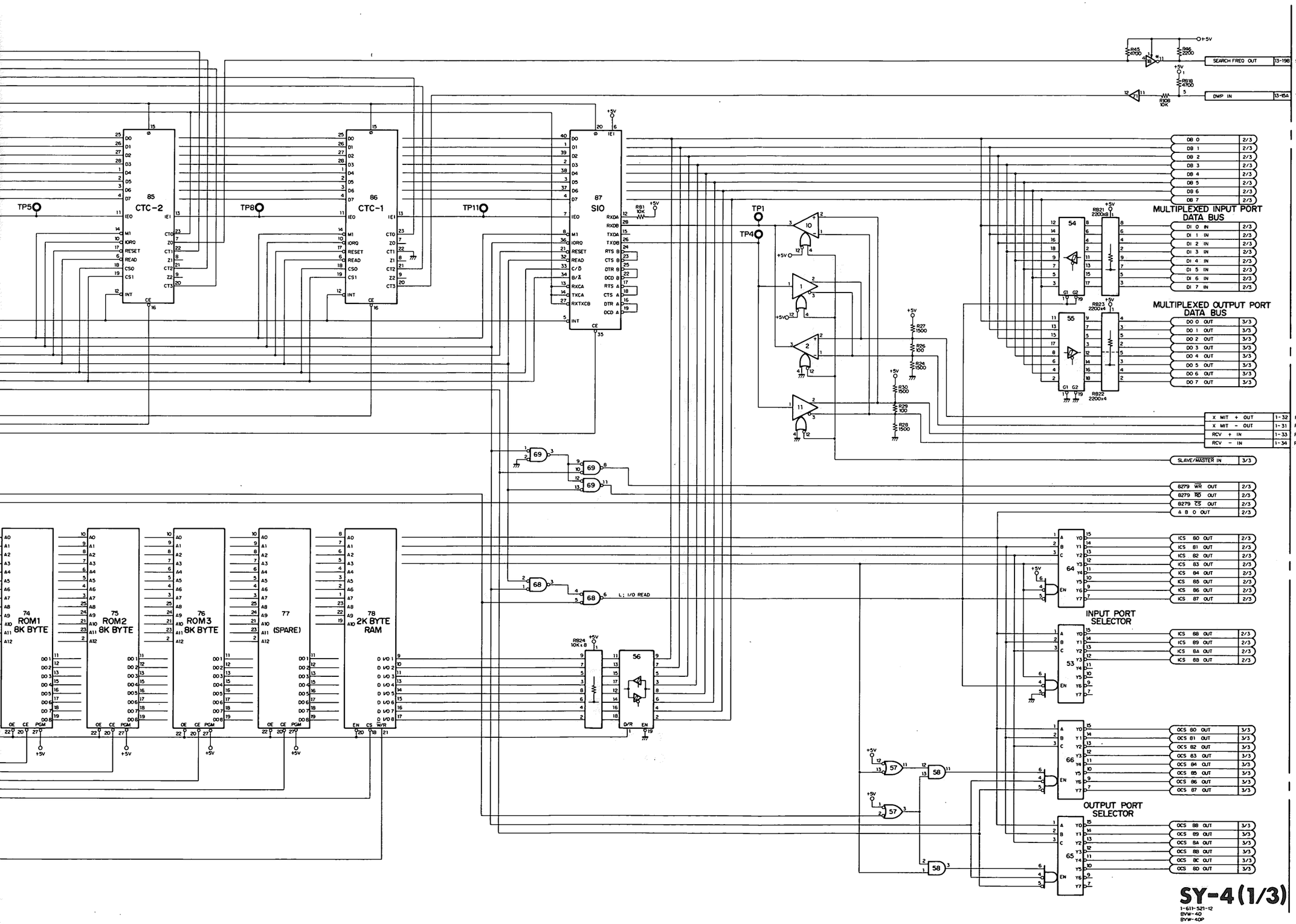
SV-60

Ref. No.	Type	Pin No. +5V	GND
IC 1	TC4081BP	14	7
IC 2	TC4532BP	16	8
IC 3	TC4081BP	14	7
IC 4	TC4081BP	14	7
IC 5	TC4030BP	14	7
IC 6	TC4071BP	14	7
IC 7	TC4094BF	16	8
IC 8	TC4094BF	16	8
IC 9	TC4094BF	16	8
IC 12	TC4011BP	14	7
IC 13	TC4532BP	16	8
IC 14	TC4073BP	14	7
IC 15	TC4081BP	14	7
IC 16	HD14538BP	16	8
IC 17	TC4069UBP	14	7
IC 18	TC4075BP	14	7
IC 19	HD14538BP	16	8
IC 20	TC4071BP	14	7

SY-4 (1/3) (SYSTEM CONTROL)

S/N 10396 TO 10495 (UC)
S/N 10246 TO 10295 (J)





18-205 (a)

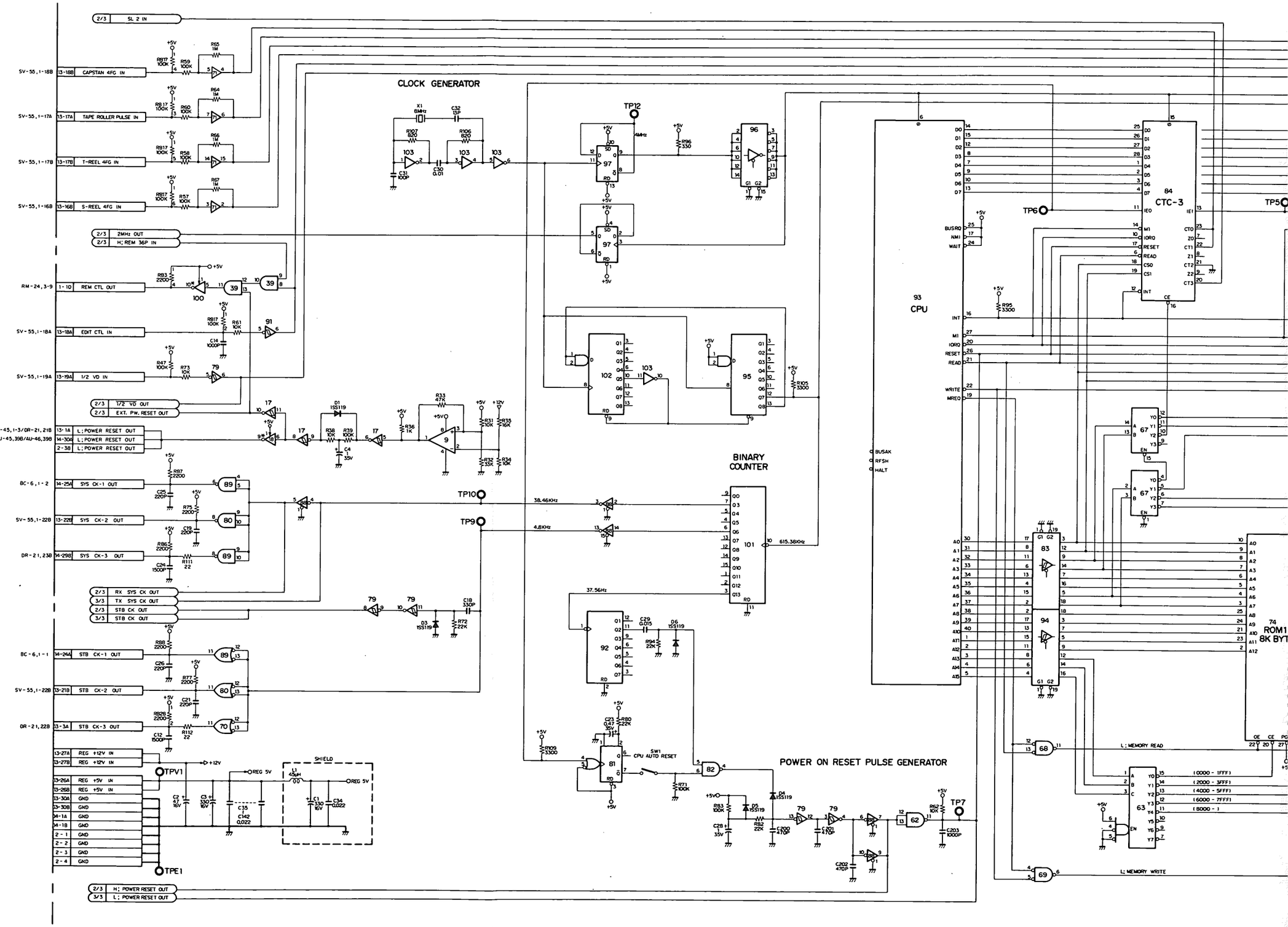
18-206 (a)

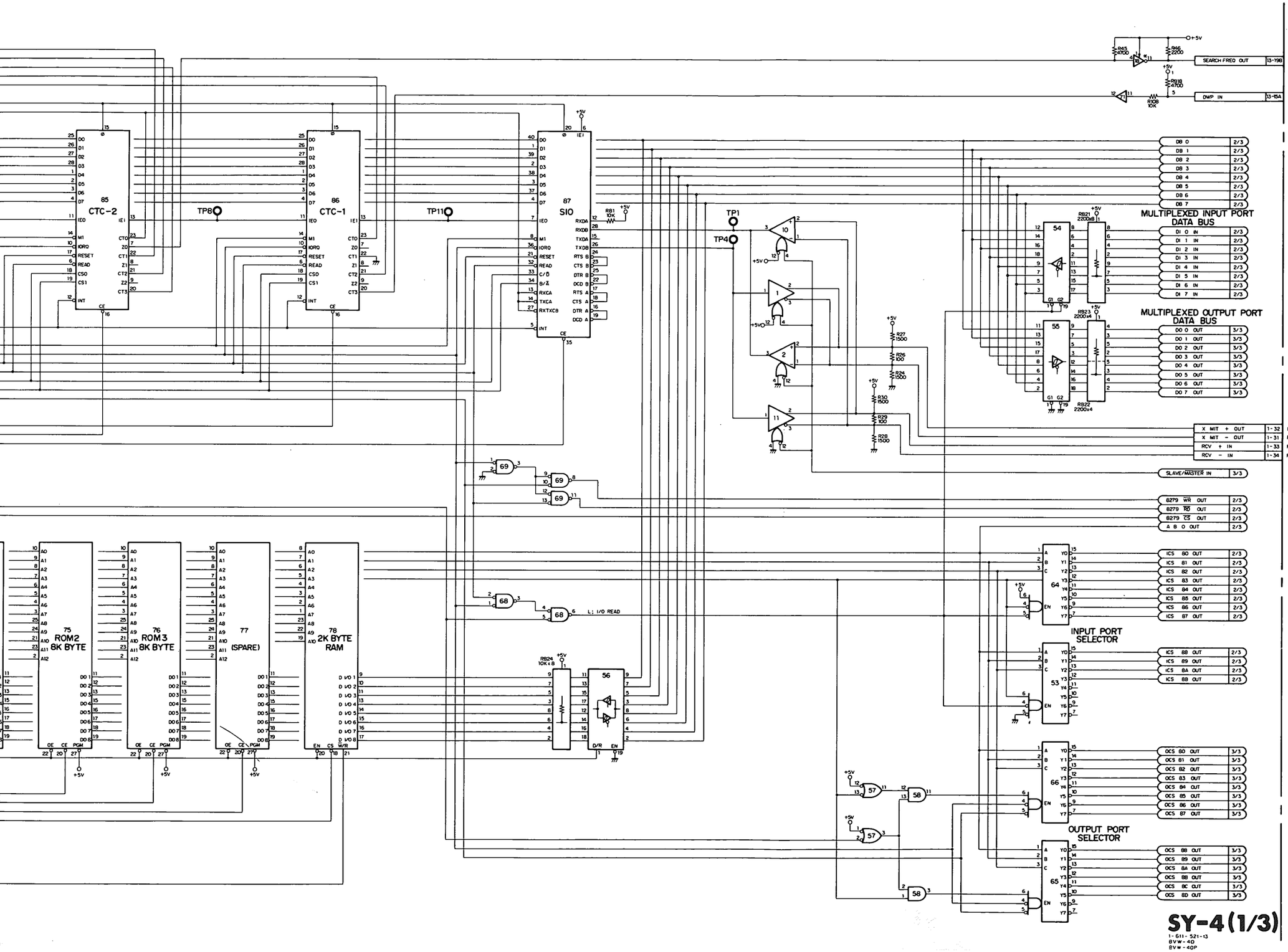
SY-4 (1/3)

1-611-521-12
8VW-40
8VW-40P

SY-4 (1/3) (SYSTEM CONTROL)

S/N 10496 AND LATER (UC)
S/N 10296 AND LATER (J)





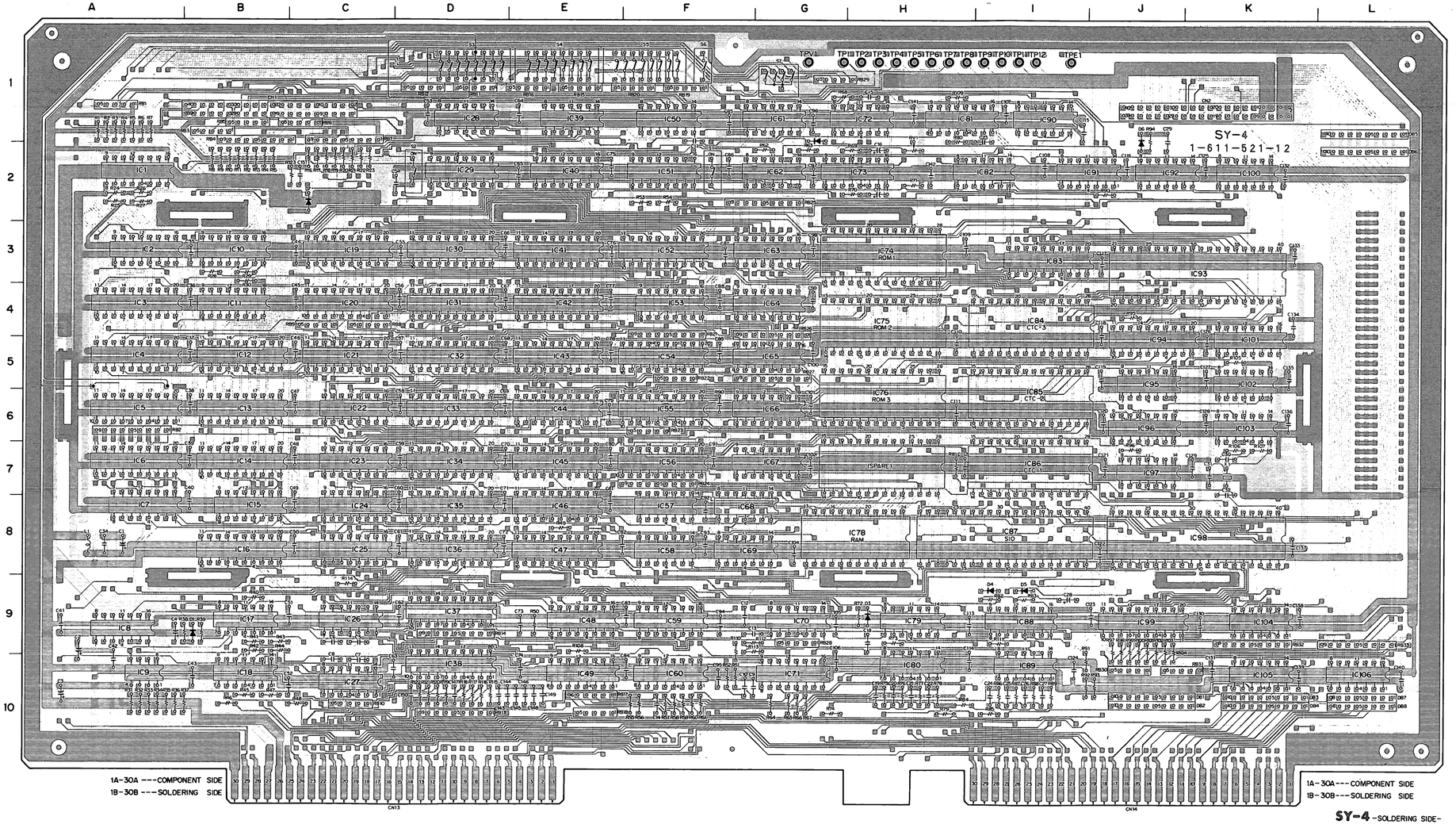
18-205 (b)

18-206 (b)

SY-4 (SYSTEM CONTROL)

S/N 10396 TO 10495 (UC)
S/N 10246 TO 10295 (J)

Ref. No.	Type	Pin No. +5V	Pin No. GND	Ref. No.	Type	Pin No. +5V	Pin No. GND
IC 1	AM26LS31PC	16	8	IC 54	SN74LS244N	20	10
IC 2	AM26LS32PC	16	8	IC 55	SN74LS244N	20	10
IC 3	TC40H240P	20	10	IC 56	SN74LS245N	20	10
IC 4	SN74LS244N	20	10	IC 57	SN74LS00N	14	7
IC 5	SN74LS244N	20	10	IC 58	SN74LS08N	14	7
IC 6	SN74LS244N	20	10	IC 59	TC4021BP	16	8
IC 7	MC14094BCP	16	8	IC 60	TC4021BP	16	8
IC 8	SN74LS32N	14	7	IC 61	M54529AP	14	7
IC 9	NJM2903D	8	4	IC 62	SN74LS37N	14	7
IC 10	AM26LS32PC	16	8	IC 63	SN74LS138N	16	8
IC 11	AM26LS31PC	16	8	IC 64	SN74LS138N	16	8
IC 12	TC40H240P	20	10	IC 65	SN74LS138N	16	8
IC 13	SN74LS244N	20	10	IC 66	SN74LS138N	16	8
IC 14	SN74LS244N	20	10	IC 67	SN74LS139N	16	8
IC 15	MC14094BCP	16	8	IC 68	SN74LS32N	14	7
IC 16	SN74LS240N	20	10	IC 69	SN74LS32N	14	7
IC 17	MC14584BCP	14	7	IC 70	SN74LS37N	14	7
IC 18	M54529AP	14	7	IC 71	TC4060BP	1	8
IC 19	TC40H240P	20	10	IC 72	TC40H73BP	14	7
IC 20	SN74LS244N	20	10	IC 73	MC14538BCP	16	8
IC 21	SN74LS244N	20	10	IC 74	MBM2764-25	28	14
IC 22	TC4021BP	16	8	IC 75	MBM2764-25	28	14
IC 23	TC4021BP	16	8	IC 76	MBM2764-25	28	14
IC 24	TC4021BP	16	8	IC 77	MBM2764-25	28	14
IC 25	TC4021BP	16	8	IC 78	MSM2128-15RS	24	12
IC 26	SN74LS37N	14	7	IC 79	MC14584BCP	14	7
IC 27	M54529AP	14	7	IC 80	SN74LS37N	14	7
IC 28	M54529AP	14	7	IC 81	MC14538BCP	16	8
IC 29	TC4021BP	16	8	IC 82	TC4011BP	14	7
IC 30	TC40H273P	20	10	IC 83	SN74LS244N	20	10
IC 31	TC40H273P	20	10	IC 84	LH0082A	24	5
IC 32	TC40H273P	20	10	IC 85	LH0082A	24	5
IC 33	TC40H273P	20	10	IC 86	LH0082A	24	5
IC 34	TC40H273P	20	10	IC 87	LH0084A	9	31
IC 35	TC40H273P	20	10	IC 88	TC40H368P	16	8
IC 36	TC40H273P	20	10	IC 89	SN74LS37N	14	7
IC 37	SN74LS240N	20	10	IC 90	TC4013BP	14	7
IC 38	SN74LS240N	20	10	IC 91	MC14584BCP	14	7
IC 39	TC4081BP	14	7	IC 92	TC4024BP	14	7
IC 40	TC4021BP	16	8	IC 93	LH0080A	11	29
IC 41	TC40H273P	20	10	IC 94	SN74LS244N	20	10
IC 42	TC40H273P	20	10	IC 95	SN74LS164N	14	7
IC 43	TC40H273P	20	10	IC 96	TC40H368P	16	8
IC 44	TC40H273P	20	10	IC 97	SN74S74N	14	7
IC 45	TC40H273P	20	10	IC 98	μ PD8279C-5	40	20
IC 46	TC40H273P	20	10	IC 99	TC40H244P	20	10
IC 47	TC40H273P	20	10	IC100	M54529AP	14	7
IC 48	TC4021BP	16	8	IC101	TC4020BP	16	8
IC 49	TC4021BP	16	8	IC102	SN74LS164N	14	7
IC 50	M54529AP	14	7	IC103	SN74S04N	14	7
IC 51	MC14094BCP	16	8	IC104	M54529AP	14	7
IC 52	SN74LS244N	20	10	IC105	M54529AP	14	7
IC 53	SN74LS138N	16	8	IC106	M54529AP	14	7



CN1	B - 1	IC80	H - 10
CN2	K - 1	IC81	H - 1
CN13	C - 10	IC82	I - 2
CN14	J - 10	IC83	I - 3
		IC84	I - 4
D1	B - 9	IC85	I - 6
D2	G - 2	IC86	I - 7
D3	H - 9	IC87	I - 8
D4	I - 9	IC88	I - 9
D5	I - 9	IC89	I - 10
D6	J - 2	IC90	I - 1
D7	C - 2	IC91	J - 2
		IC92	J - 2
DB1	J - 10	IC93	K - 3
DB2	J - 10	IC94	J - 4
DB3	K - 10	IC95	J - 5
DB4	K - 10	IC96	J - 6
DB5	L - 1	IC97	J - 7
DB6	L - 2	IC98	K - 8
DB7	L - 10	IC99	J - 9
DB8	L - 10	IC100	K - 2
		IC101	K - 4
IC1	A - 2	IC102	K - 5
IC2	A - 3	IC103	K - 6
IC3	A - 4	IC104	K - 9
IC4	A - 5	IC105	K - 10
IC5	A - 6	IC106	L - 10
IC6	A - 7		
IC7	A - 8	RV1	H - 2
IC8	A - 9		
IC9	A - 10	S1	F - 2
IC10	B - 3	S2	D - 2
IC11	B - 4	S3	D - 1
IC12	B - 5	S4	E - 1
IC13	B - 6	S5	F - 1
IC14	B - 7	S6	F - 1
IC15	B - 8	S7	G - 1
IC16	B - 8		
IC17	B - 9	TP1	G - 1
IC18	B - 10	TP2	H - 1
IC19	C - 3	TP3	H - 1
IC20	C - 4	TP4	H - 1
IC21	C - 5	TP5	H - 1
IC22	C - 6	TP6	H - 1
IC23	C - 7	TP7	H - 1
IC24	C - 8	TP8	H - 1
IC25	C - 8	TP9	I - 1
IC26	C - 9	TP10	I - 1
IC27	C - 10	TP11	I - 1
IC28	D - 1	TP12	I - 1
IC29	D - 2		
IC30	D - 3	TPE1	I - 1
IC31	D - 4		
IC32	D - 5	TPV1	G - 1
IC33	D - 6		
IC34	D - 7	X1	K - 7
IC35	D - 8		
IC36	D - 8		
IC37	D - 9		
IC38	D - 10		
IC39	E - 1		
IC40	E - 2		
IC41	E - 3		
IC42	E - 4		
IC43	E - 5		
IC44	E - 6		
IC45	E - 7		
IC46	E - 8		
IC47	E - 8		
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IC59	F - 9		
IC60	F - 10		
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IC63	G - 3		
IC64	G - 4		
IC65	G - 5		
IC66	G - 6		
IC67	G - 7		
IC68	F - 8		
IC69	F - 8		
IC70	G - 9		
IC71	G - 10		
IC72	H - 1		
IC73	H - 2		
IC74	H - 3		
IC75	H - 4		
IC76	H - 6		
IC78	H - 8		
IC79	H - 9		

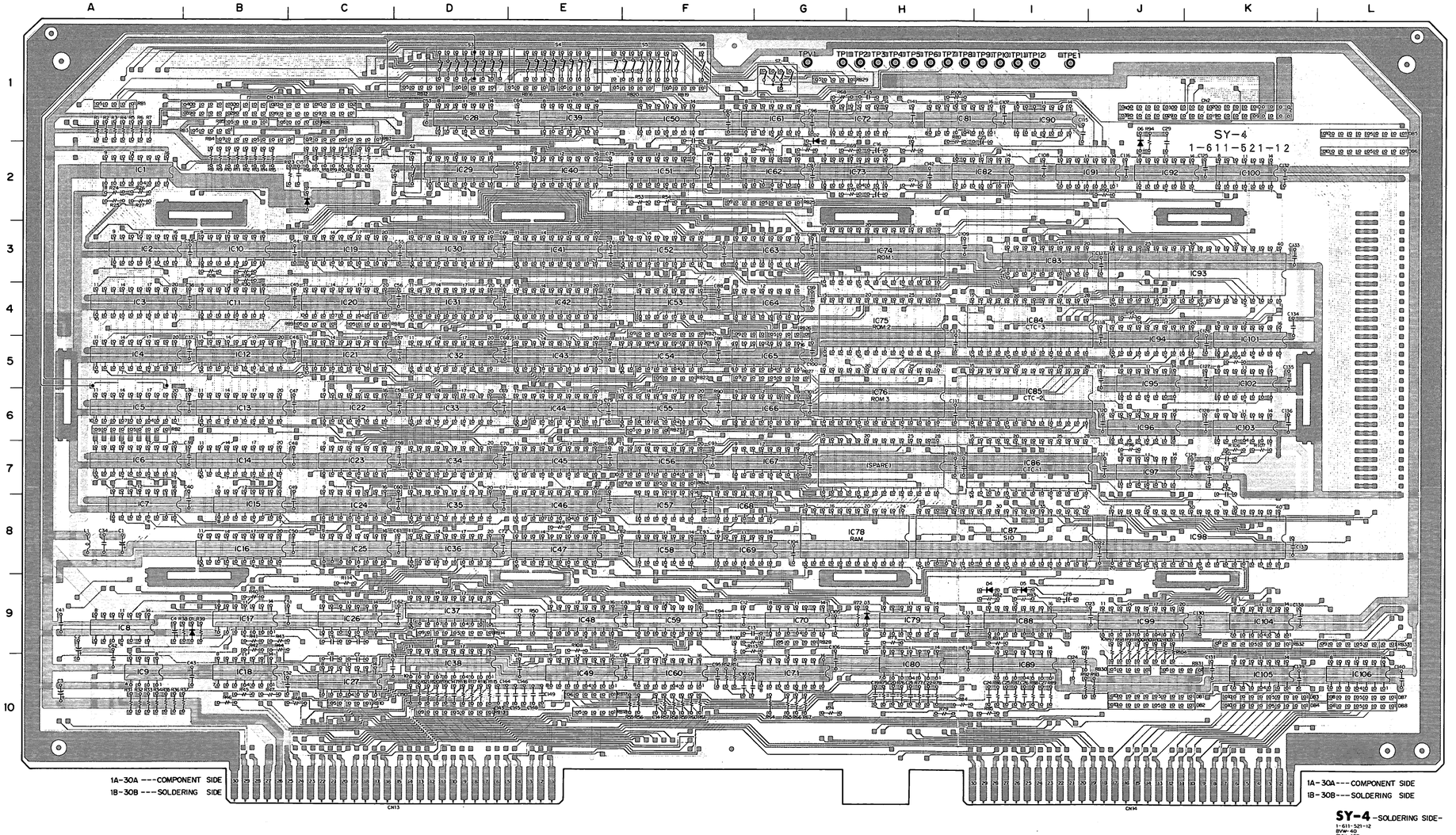
SY-4 -SOLDERING SIDE-
1-611-521-12
BVW-40
BVW-40P

SY-4 SY-4

SY-4 (SYSTEM CONTROL)

S/N 10396 TO 10495 (UC)
S/N 10246 TO 10295 (J)

Ref. No.	Type	Pin No. +5V	Pin No. GND	Ref. No.	Type	Pin No. +5V	Pin No. GND
IC 1	AM26LS31PC	16	8	IC 54	SN74LS244N	20	10
IC 2	AM26LS32PC	16	8	IC 55	SN74LS244N	20	10
IC 3	TC40H240P	20	10	IC 56	SN74LS245N	20	10
IC 4	SN74LS244N	20	10	IC 57	SN74LS00N	14	7
IC 5	SN74LS244N	20	10	IC 58	SN74LS08N	14	7
IC 6	SN74LS244N	20	10	IC 59	TC4021BP	16	8
IC 7	MC14094BCP	16	8	IC 60	TC4021BP	16	8
IC 8	SN74LS32N	14	7	IC 61	M54529AP	14	7
IC 9	NJM2903D	8	4	IC 62	SN74LS97N	14	7
IC 10	AM26LS32PC	16	8	IC 63	SN74LS138N	16	8
IC 11	AM26LS31PC	16	8	IC 64	SN74LS138N	16	8
IC 12	TC40H240P	20	10	IC 65	SN74LS138N	16	8
IC 13	SN74LS244N	20	10	IC 66	SN74LS138N	16	8
IC 14	SN74LS244N	20	10	IC 67	SN74LS139N	16	8
IC 15	MC14094BCP	16	8	IC 68	SN74LS32N	14	7
IC 16	SN74LS240N	20	10	IC 69	SN74LS32N	14	7
IC 17	MC14584BCP	14	7	IC 70	SN74LS97N	14	7
IC 18	M54529AP	14	7	IC 71	TC4050BP	1	8
IC 19	TC40H240P	20	10	IC 72	TC4073BP	14	7
IC 20	SN74LS244N	20	10	IC 73	MC14538BCP	16	8
IC 21	SN74LS244N	20	10	IC 74	MBM2764-25	28	14
IC 22	TC4021BP	16	8	IC 75	MBM2764-25	28	14
IC 23	TC4021BP	16	8	IC 76	MBM2764-25	28	14
IC 24	TC4021BP	16	8	IC 77	MBM2764-25	28	14
IC 25	TC4021BP	16	8	IC 78	MSM2128-15RS	24	12
IC 26	SN74LS97N	14	7	IC 79	MC14584BCP	14	7
IC 27	M54529AP	14	7	IC 80	SN74LS97N	14	7
IC 28	M54529AP	14	7	IC 81	MC14538BCP	16	8
IC 29	TC4021BP	16	8	IC 82	TC4011BP	14	7
IC 30	TC40H273P	20	10	IC 83	SN74LS244N	20	10
IC 31	TC40H273P	20	10	IC 84	LH0082A	24	5
IC 32	TC40H273P	20	10	IC 85	LH0082A	24	5
IC 33	TC40H273P	20	10	IC 86	LH0082A	24	5
IC 34	TC40H273P	20	10	IC 87	LH0081A	9	31
IC 35	TC40H273P	20	10	IC 88	TC40H368P	16	8
IC 36	TC40H273P	20	10	IC 89	SN74LS97N	14	7
IC 37	SN74LS240N	20	10	IC 90	TC4013BP	14	7
IC 38	SN74LS240N	20	10	IC 91	MC14584BCP	14	7
IC 39	TC4081BP	14	7	IC 92	TC4024BP	14	7
IC 40	TC4021BP	16	8	IC 93	LH0080A	11	29
IC 41	TC40H273P	20	10	IC 94	SN74LS244N	20	10
IC 42	TC40H273P	20	10	IC 95	SN74LS164N	14	7
IC 43	TC40H273P	20	10	IC 96	TC40H368P	16	8
IC 44	TC40H273P	20	10	IC 97	SN74S74N	14	7
IC 45	TC40H273P	20	10	IC 98	μ PB8279C-5	40	20
IC 46	TC40H273P	20	10	IC 99	TC40H244P	20	10
IC 47	TC40H273P	20	10	IC100	M54529AP	14	7
IC 48	TC4021BP	16	8	IC101	TC4020BP	16	8
IC 49	TC4021BP	16	8	IC102	SN74LS164N	14	7
IC 50	M54529AP	14	7	IC103	SN74S04N	14	7
IC 51	MC14094BCP	16	8	IC104	M54529AP	14	7
IC 52	SN74LS244N	20	10	IC105	M54529AP	14	7
IC 53	SN74LS138N	16	8	IC106	M54529AP	14	7

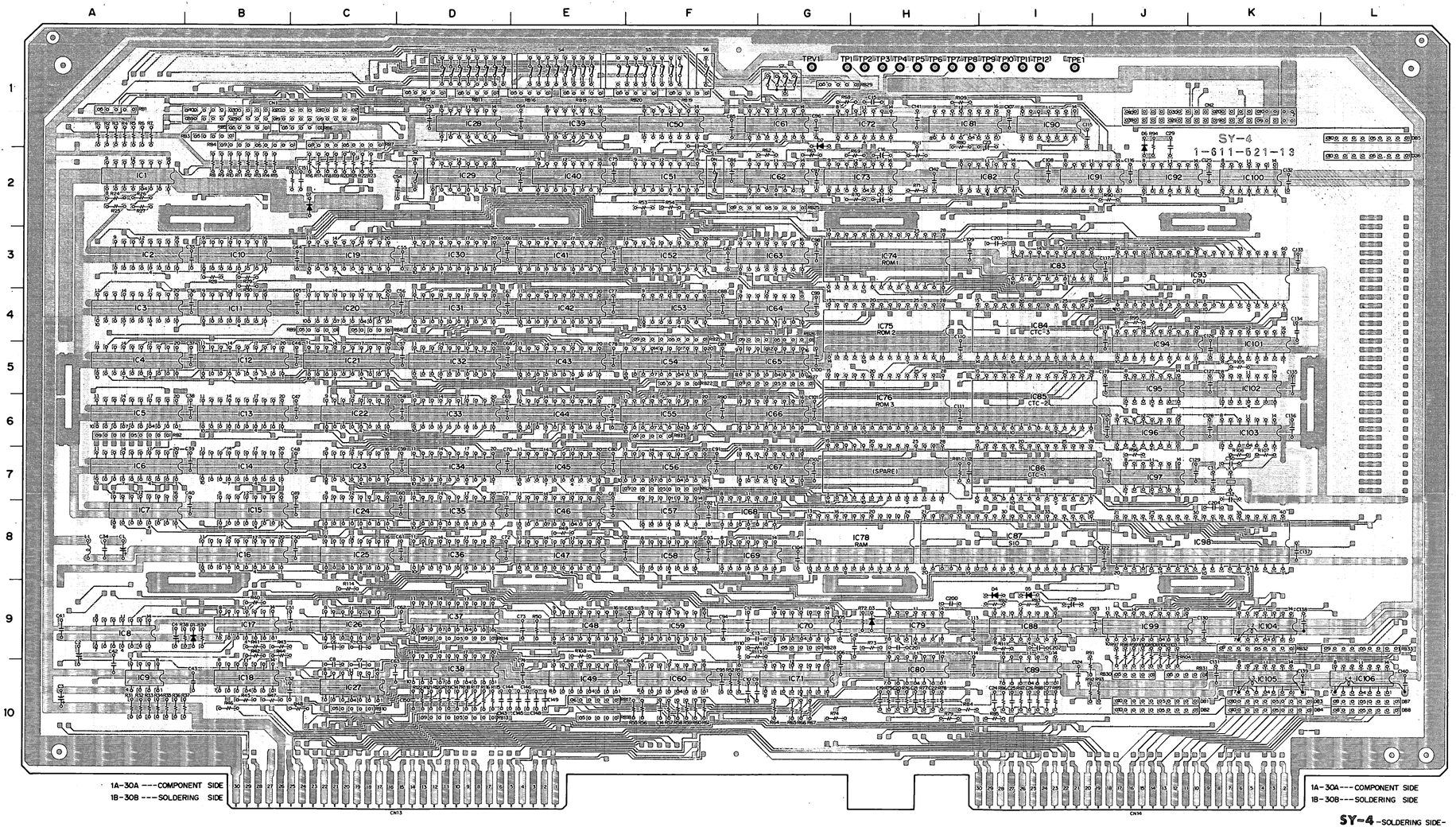


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CN2	K - 1	IC81	H - 1
CN13	C - 10	IC82	I - 2
CN14	J - 10	IC83	I - 3
		IC84	I - 4
D1	B - 9	IC85	I - 6
D2	G - 2	IC86	I - 7
D3	H - 9	IC87	I - 8
D4	I - 9	IC88	I - 9
D5	I - 9	IC89	I - 10
D6	J - 2	IC90	I - 1
D7	C - 2	IC91	J - 2
		IC92	J - 2
DB1	J - 10	IC93	K - 3
DB2	J - 10	IC94	J - 4
DB3	K - 10	IC95	J - 5
DB4	K - 10	IC96	J - 6
DB5	L - 1	IC97	J - 7
DB6	L - 2	IC98	K - 8
DB7	L - 10	IC99	J - 9
DB8	L - 10	IC100	K - 2
		IC101	K - 4
IC1	A - 2	IC102	K - 5
IC2	A - 3	IC103	K - 6
IC3	A - 4	IC104	K - 9
IC4	A - 5	IC105	K - 10
IC5	A - 6	IC106	L - 10
IC6	A - 7		
IC7	A - 8	RV1	H - 2
IC8	A - 9		
IC9	A - 10	S1	F - 2
IC10	B - 3	S2	D - 2
IC11	B - 4	S3	D - 1
IC12	B - 5	S4	E - 1
IC13	B - 6	S5	F - 1
IC14	B - 7	S6	F - 1
IC15	B - 8	S7	G - 1
IC16	B - 8		
IC17	B - 9	TP1	G - 1
IC18	B - 10	TP2	H - 1
IC19	C - 3	TP3	H - 1
IC20	C - 4	TP4	H - 1
IC21	C - 5	TP5	H - 1
IC22	C - 6	TP6	H - 1
IC23	C - 7	TP7	H - 1
IC24	C - 8	TP8	H - 1
IC25	C - 8	TP9	I - 1
IC26	C - 9	TP10	I - 1
IC27	C - 10	TP11	I - 1
IC28	D - 1	TP12	I - 1
IC29	D - 2		
IC30	D - 3	TPE1	I - 1
IC31	D - 4		
IC32	D - 5	TPV1	G - 1
IC33	D - 6		
IC34	D - 7	X1	K - 7
IC35	D - 8		
IC36	D - 8		
IC37	D - 9		
IC38	D - 10		
IC39	E - 1		
IC40	E - 2		
IC41	E - 3		
IC42	E - 4		
IC43	E - 5		
IC44	E - 6		
IC45	E - 7		
IC46	E - 8		
IC47	E - 8		
IC48	E - 9		
IC49	E - 10		
IC50	F - 1		
IC51	F - 2		
IC52	F - 3		
IC53	F - 4		
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IC56	F - 7		
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IC58	F - 8		
IC59	F - 9		
IC60	F - 10		
IC61	G - 1		
IC62	G - 2		
IC63	G - 3		
IC64	G - 4		
IC65	G - 5		
IC66	G - 6		
IC67	G - 7		
IC68	F - 8		
IC69	F - 8		
IC70	G - 9		
IC71	G - 10		
IC72	H - 1		
IC73	H - 2		
IC74	H - 3		
IC75	H - 4		
IC76	H - 6		
IC78	H - 8		
IC79	H - 9		

SY-4 (SYSTEM CONTROL)

S/N 10496 AND LATER (UC)
S/N 10296 AND LATER (J)

Ref. No.	Type	Pin No. +5V	Pin No. GND	Ref. No.	Type	Pin No. +5V	Pin No. GND
IC 1	AM26LS31PC	16	8	IC 54	SN74LS244N	20	10
IC 2	AM26LS32PC	16	8	IC 55	SN74LS244N	20	10
IC 3	TC40H240P	20	10	IC 56	SN74LS245N	20	10
IC 4	SN74LS244N	20	10	IC 57	SN74LS00N	14	7
IC 5	SN74LS244N	20	10	IC 58	SN74LS08N	14	7
IC 6	SN74LS244N	20	10	IC 59	TC4021BP	16	8
IC 7	MC14094BCP	16	8	IC 60	TC4021BP	16	8
IC 8	SN74LS32N	14	7	IC 61	M54529AP	14	7
IC 9	NJM2903D	8	4	IC 62	SN74LS37N	14	7
IC 10	AM26LS32PC	16	8	IC 63	SN74LS138N	16	8
IC 11	AM26LS31PC	16	8	IC 64	SN74LS138N	16	8
IC 12	TC40H240P	20	10	IC 65	SN74LS138N	16	8
IC 13	SN74LS244N	20	10	IC 66	SN74LS138N	16	8
IC 14	SN74LS244N	20	10	IC 67	SN74LS139N	16	8
IC 15	MC14094BCP	16	8	IC 68	SN74LS32N	14	7
IC 16	SN74LS240N	20	10	IC 69	SN74LS32N	14	7
IC 17	MC14584BCP	14	7	IC 70	SN74LS37N	14	7
IC 18	M54529AP	14	7	IC 71	TC4050BP	1	8
IC 19	TC40H240P	20	10	IC 72	TC4073BP	14	7
IC 20	SN74LS244N	20	10	IC 73	MC14538BCP	16	8
IC 21	SN74LS244N	20	10	IC 74	MBM2764-25	28	14
IC 22	TC4021BP	16	8	IC 75	MBM2764-25	28	14
IC 23	TC4021BP	16	8	IC 76	MBM2764-25	28	14
IC 24	TC4021BP	16	8	IC 77	MBM2764-25	28	14
IC 25	TC4021BP	16	8	IC 78	MSM2128-15RS	24	12
IC 26	SN74LS37N	14	7	IC 79	MC14584BCP	14	7
IC 27	M54529AP	14	7	IC 80	SN74LS37N	14	7
IC 28	M54529AP	14	7	IC 81	MC14538BCP	16	8
IC 29	TC4021BP	16	8	IC 82	TC4011BP	14	7
IC 30	TC40H273P	20	10	IC 83	SN74LS244N	20	10
IC 31	TC40H273P	20	10	IC 84	LH0082A	24	5
IC 32	TC40H273P	20	10	IC 85	LH0082A	24	5
IC 33	TC40H273P	20	10	IC 86	LH0082A	24	5
IC 34	TC40H273P	20	10	IC 87	LH0084A	9	31
IC 35	TC40H273P	20	10	IC 88	TC40H388P	16	8
IC 36	TC40H273P	20	10	IC 89	SN74LS37N	14	7
IC 37	SN74LS240N	20	10	IC 90	TC4013BP	14	7
IC 38	SN74LS240N	20	10	IC 91	MC14584BCP	14	7
IC 39	TC4081BP	14	7	IC 92	TC4024BP	14	7
IC 40	TC4021BP	16	8	IC 93	LH0080A	11	29
IC 41	TC40H273P	20	10	IC 94	SN74LS244N	20	10
IC 42	TC40H273P	20	10	IC 95	SN74LS164N	14	7
IC 43	TC40H273P	20	10	IC 96	TC40H368P	16	8
IC 44	TC40H273P	20	10	IC 97	SN74S74N	14	7
IC 45	TC40H273P	20	10	IC 98	μPD78C76-5	40	20
IC 46	TC40H273P	20	10	IC 99	TC40H244P	20	10
IC 47	TC40H273P	20	10	IC100	M54529AP	14	7
IC 48	TC4021BP	16	8	IC101	TC4020BP	16	8
IC 49	TC4021BP	16	8	IC102	SN74LS164N	14	7
IC 50	M54529AP	14	7	IC103	SN74S04N	14	7
IC 51	MC14094BCP	16	8	IC104	M54529AP	14	7
IC 52	SN74LS244N	20	10	IC105	M54529AP	14	7
IC 53	SN74LS138N	16	8	IC106	M54529AP	14	7



CN1	B - 1	IC80	H - 10
CN2	K - 1	IC81	H - 1
CN13	G - 10	IC82	I - 2
CN14	J - 10	IC83	I - 3
		IC84	I - 4
D1	B - 9	IC85	I - 6
D2	G - 2	IC86	I - 7
D3	H - 9	IC87	I - 8
D4	I - 9	IC88	I - 9
D5	I - 9	IC89	I - 10
D6	J - 2	IC90	I - 1
D7	C - 2	IC91	J - 2
		IC92	J - 2
DB1	J - 10	IC93	K - 3
DB2	J - 10	IC94	J - 4
DB3	K - 10	IC95	J - 5
DB4	K - 10	IC96	J - 6
DB5	L - 1	IC97	J - 7
DB6	L - 2	IC98	K - 8
DB7	L - 10	IC99	J - 9
DB8	L - 10	IC100	K - 2
		IC101	K - 4
IC1	A - 2	IC102	K - 5
IC2	A - 3	IC103	K - 6
IC3	A - 4	IC104	K - 9
IC4	A - 5	IC105	K - 10
IC5	A - 6	IC106	L - 10
IC6	A - 7		
IC7	A - 8	RV1	H - 2
IC8	A - 9		
IC9	A - 10	S1	F - 2
IC10	B - 3	S2	D - 2
IC11	B - 4	S3	D - 1
IC12	B - 5	S4	E - 1
IC13	B - 6	S5	F - 1
IC14	B - 7	S6	F - 1
IC15	B - 8	S7	G - 1
IC16	B - 8		
IC17	B - 9	TP1	G - 1
IC18	B - 10	TP2	G - 1
IC19	C - 3	TP3	H - 1
IC20	C - 4	TP4	H - 1
IC21	C - 5	TP5	H - 1
IC22	C - 6	TP6	H - 1
IC23	C - 7	TP7	H - 1
IC24	C - 8	TP8	H - 1
IC25	C - 8	TP9	I - 1
IC26	C - 9	TP10	I - 1
IC27	C - 10	TP11	I - 1
IC28	D - 1	TP12	I - 1
IC29	D - 2		
IC30	D - 3	TPE1	I - 1
IC31	D - 4		
IC32	D - 5	TPV1	G - 1
IC33	D - 6		
IC34	D - 7	X1	K - 7
IC35	D - 8		
IC36	D - 8		
IC37	D - 9		
IC38	D - 10		
IC39	E - 1		
IC40	E - 2		
IC41	E - 3		
IC42	E - 4		
IC43	E - 5		
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IC45	E - 7		
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IC57	F - 8		
IC58	F - 8		
IC59	F - 9		
IC60	F - 10		
IC61	G - 1		
IC62	G - 2		
IC63	G - 3		
IC64	G - 4		
IC65	G - 5		
IC66	G - 6		
IC67	G - 7		
IC68	F - 8		
IC69	F - 8		
IC70	G - 9		
IC71	G - 10		
IC72	H - 1		
IC73	H - 2		
IC74	H - 3		
IC75	H - 4		
IC76	H - 6		
IC78	H - 8		
IC79	H - 9		

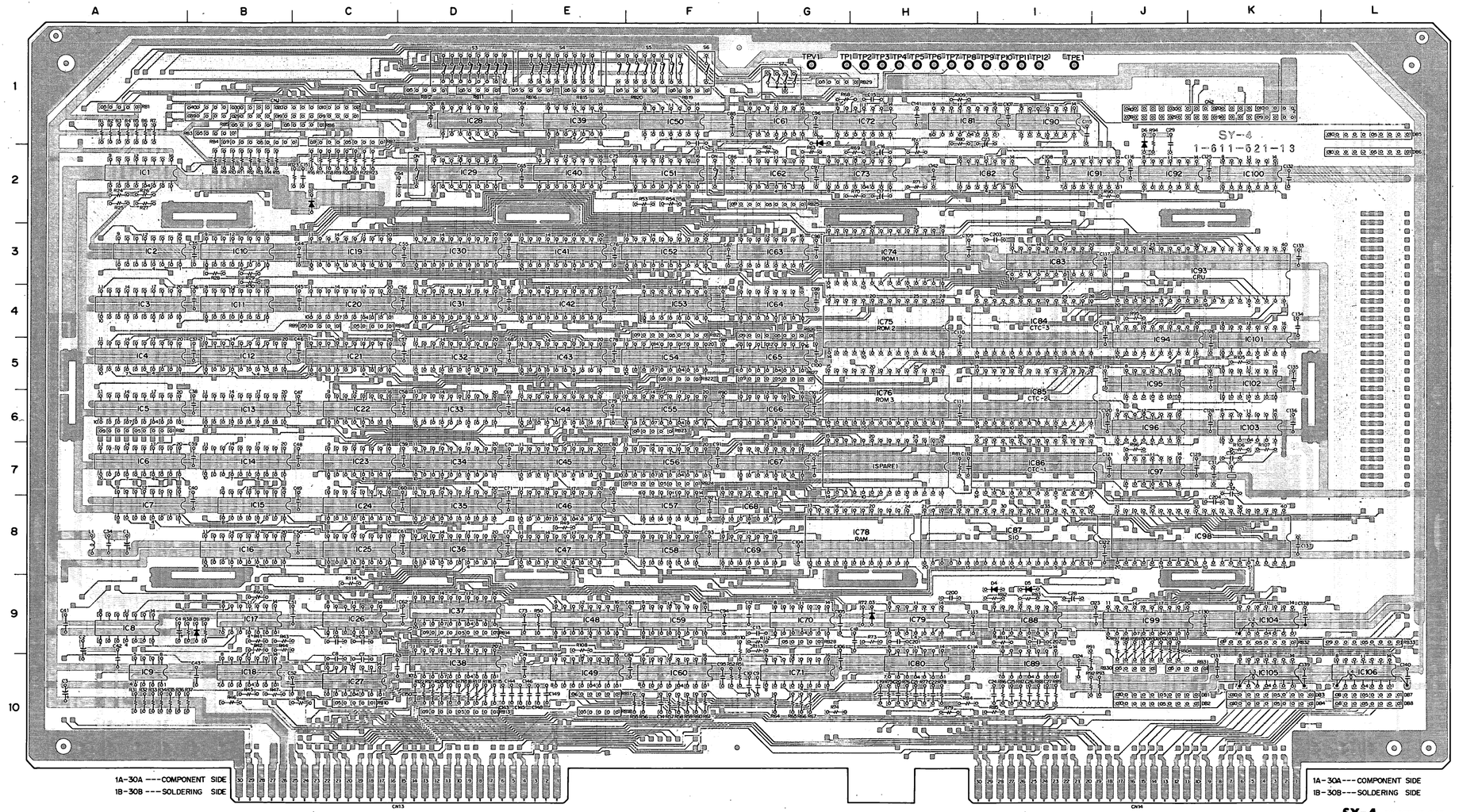
SY-4 -SOLDERING SIDE-
1-611-521-13
BVW-40
BVW-40P

SY-4 SY-4

SY-4 (SYSTEM CONTROL)

S/N 10496 AND LATER (UC)
S/N 10296 AND LATER (J)

Ref. No.	Type	Pin No. +5V	Pin No. GND	Ref. No.	Type	Pin No. +5V	Pin No. GND
IC 1	AM26LS31PC	16	8	IC 54	SN74LS244N	20	10
IC 2	AM26LS32PC	16	8	IC 55	SN74LS244N	20	10
IC 3	TC40H240P	20	10	IC 56	SN74LS245N	20	10
IC 4	SN74LS244N	20	10	IC 57	SN74LS00N	14	7
IC 5	SN74LS244N	20	10	IC 58	SN74LS08N	14	7
IC 6	SN74LS244N	20	10	IC 59	TC4021BP	16	8
IC 7	MC14094BCP	16	8	IC 60	TC4021BP	16	8
IC 8	SN74LS32N	14	7	IC 61	M54529AP	14	7
IC 9	NJM2903D	8	4	IC 62	SN74LS37N	14	7
IC 10	AM26LS32PC	16	8	IC 63	SN74LS138N	16	8
IC 11	AM26LS31PC	16	8	IC 64	SN74LS138N	16	8
IC 12	TC40H240P	20	10	IC 65	SN74LS138N	16	8
IC 13	SN74LS244N	20	10	IC 66	SN74LS138N	16	8
IC 14	SN74LS244N	20	10	IC 67	SN74LS138N	16	8
IC 15	MC14094BCP	16	8	IC 68	SN74LS32N	14	7
IC 16	SN74LS240N	20	10	IC 69	SN74LS32N	14	7
IC 17	MC14584BCP	14	7	IC 70	SN74LS37N	14	7
IC 18	M54529AP	14	7	IC 71	TC4066BP	1	8
IC 19	TC40H240P	20	10	IC 72	TC4073BP	14	7
IC 20	SN74LS244N	20	10	IC 73	MC14538BCP	16	8
IC 21	SN74LS244N	20	10	IC 74	MBM2764-25	28	14
IC 22	TC4021BP	16	8	IC 75	MBM2764-25	28	14
IC 23	TC4021BP	16	8	IC 76	MBM2764-25	28	14
IC 24	TC4021BP	16	8	IC 77	MBM2764-25	28	14
IC 25	TC4021BP	16	8	IC 78	MSM2128-15RS	24	12
IC 26	SN74LS37N	14	7	IC 79	MC14584BCP	14	7
IC 27	M54529AP	14	7	IC 80	SN74LS37N	14	7
IC 28	M54529AP	14	7	IC 81	MC14538BCP	16	8
IC 29	TC4021BP	16	8	IC 82	TC4011BP	14	7
IC 30	TC40H273P	20	10	IC 83	SN74LS244N	20	10
IC 31	TC40H273P	20	10	IC 84	LH0082A	24	5
IC 32	TC40H273P	20	10	IC 85	LH0082A	24	5
IC 33	TC40H273P	20	10	IC 86	LH0082A	24	5
IC 34	TC40H273P	20	10	IC 87	LH0084A	9	31
IC 35	TC40H273P	20	10	IC 88	TC40H368P	16	8
IC 36	TC40H273P	20	10	IC 89	SN74LS37N	14	7
IC 37	SN74LS240N	20	10	IC 90	TC4013BP	14	7
IC 38	SN74LS240N	20	10	IC 91	MC14584BCP	14	7
IC 39	TC4081BP	14	7	IC 92	TC4024BP	14	7
IC 40	TC4021BP	16	8	IC 93	LH0080A	11	29
IC 41	TC40H273P	20	10	IC 94	SN74LS244N	20	10
IC 42	TC40H273P	20	10	IC 95	SN74LS164N	14	7
IC 43	TC40H273P	20	10	IC 96	TC40H368P	16	8
IC 44	TC40H273P	20	10	IC 97	SN74S74N	14	7
IC 45	TC40H273P	20	10	IC 98	μPD8279C-5	40	20
IC 46	TC40H273P	20	10	IC 99	TC40H244P	20	10
IC 47	TC40H273P	20	10	IC100	M54529AP	14	7
IC 48	TC4021BP	16	8	IC101	TC4020BP	16	8
IC 49	TC4021BP	16	8	IC102	SN74LS164N	14	7
IC 50	M54529AP	14	7	IC103	SN74S04N	14	7
IC 51	MC14094BCP	16	8	IC104	M54529AP	14	7
IC 52	SN74LS244N	20	10	IC105	M54529AP	14	7
IC 53	SN74LS138N	16	8	IC106	M54529AP	14	7



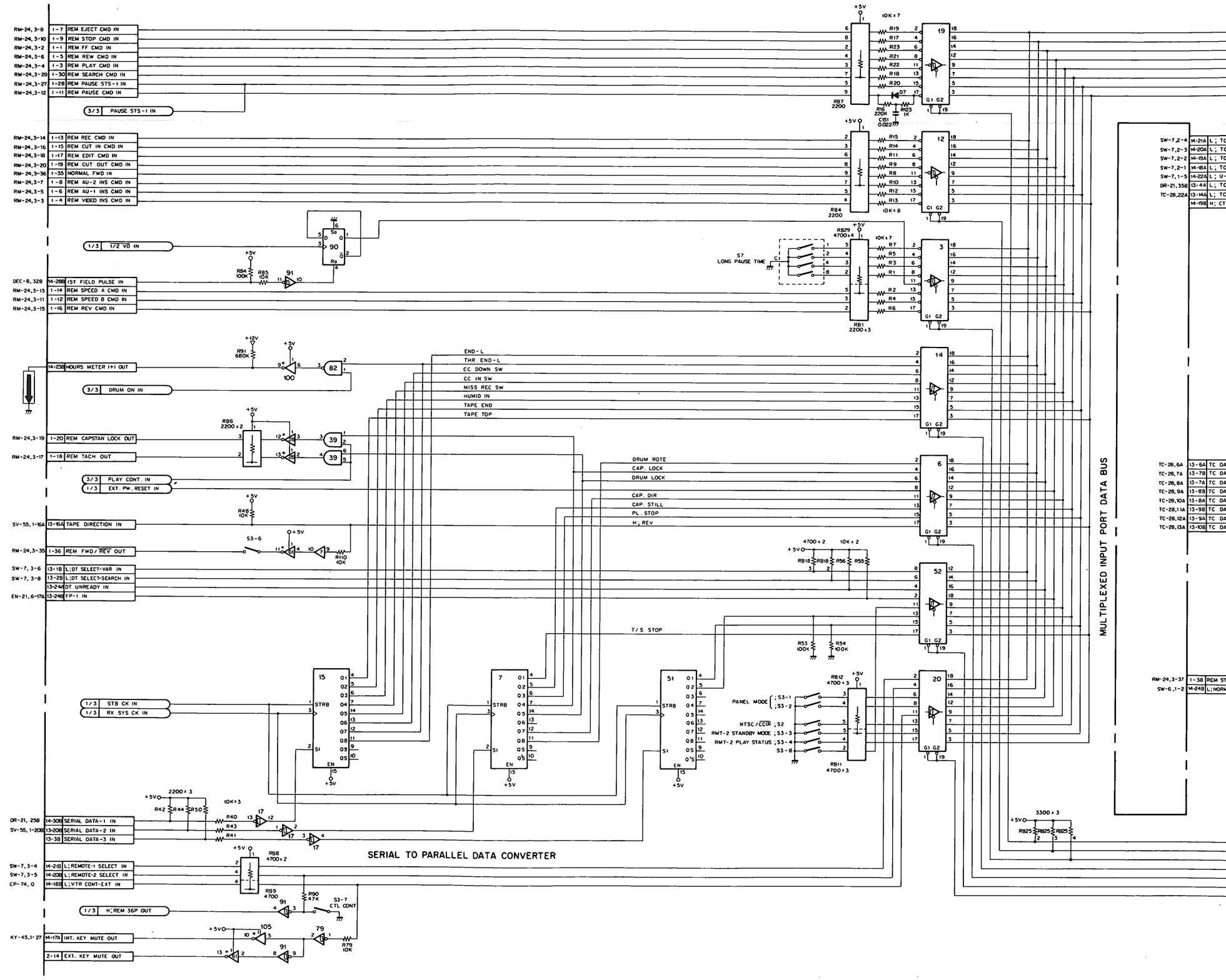
CN1	B - 1	IC80	H - 10
CN2	K - 1	IC81	H - 1
CN13	C - 10	IC82	I - 2
CN14	J - 10	IC83	I - 3
		IC84	I - 4
D1	B - 9	IC85	I - 6
D2	G - 2	IC86	I - 7
D3	H - 9	IC87	I - 8
D4	I - 9	IC88	I - 9
D5	I - 9	IC89	I - 10
D6	J - 2	IC90	I - 1
D7	C - 2	IC91	J - 2
		IC92	J - 2
DB1	J - 10	IC93	K - 3
DB2	J - 10	IC94	J - 4
DB3	K - 10	IC95	J - 5
DB4	K - 10	IC96	J - 6
DB5	L - 1	IC97	J - 7
DB6	L - 2	IC98	K - 8
DB7	L - 10	IC99	J - 9
DB8	L - 10	IC100	K - 2
		IC101	K - 4
IC1	A - 2	IC102	K - 5
IC2	A - 3	IC103	K - 6
IC3	A - 4	IC104	K - 9
IC4	A - 5	IC105	K - 10
IC5	A - 6	IC106	L - 10
IC6	A - 7		
IC7	A - 8	RV1	H - 2
IC8	A - 9		
IC9	A - 10	S1	F - 2
IC10	B - 3	S2	D - 2
IC11	B - 4	S3	D - 1
IC12	B - 5	S4	E - 1
IC13	B - 6	S5	F - 1
IC14	B - 7	S6	F - 1
IC15	B - 8	S7	G - 1
IC16	B - 8		
IC17	B - 9	TP1	G - 1
IC18	B - 10	TP2	H - 1
IC19	C - 3	TP3	H - 1
IC20	C - 4	TP4	H - 1
IC21	C - 5	TP5	H - 1
IC22	C - 6	TP6	H - 1
IC23	C - 7	TP7	H - 1
IC24	C - 8	TP8	H - 1
IC25	C - 8	TP9	I - 1
IC26	C - 9	TP10	I - 1
IC27	C - 10	TP11	I - 1
IC28	D - 1	TP12	I - 1
IC29	D - 2		
IC30	D - 3	TPE1	I - 1
IC31	D - 4		
IC32	D - 5	TPV1	G - 1
IC33	D - 6		
IC34	D - 7	X1	K - 7
IC35	D - 8		
IC36	D - 8		
IC37	D - 9		
IC38	D - 10		
IC39	E - 1		
IC40	E - 2		
IC41	E - 3		
IC42	E - 4		
IC43	E - 5		
IC44	E - 6		
IC45	E - 7		
IC46	E - 8		
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IC48	E - 9		
IC49	E - 10		
IC50	F - 1		
IC51	F - 2		
IC52	F - 3		
IC53	F - 4		
IC54	F - 5		
IC55	F - 6		
IC56	F - 7		
IC57	F - 8		
IC58	F - 8		
IC59	F - 9		
IC60	F - 10		
IC61	G - 1		
IC62	G - 2		
IC63	G - 3		
IC64	G - 4		
IC65	G - 5		
IC66	G - 6		
IC67	G - 7		
IC68	F - 8		
IC69	F - 8		
IC70	G - 9		
IC71	G - 10		
IC72	H - 1		
IC73	H - 2		
IC74	H - 3		
IC75	H - 4		
IC76	H - 6		
IC78	H - 8		
IC79	H - 9		

1A-30A---COMPONENT SIDE
1B-30B---SOLDERING SIDE

SY-4 -SOLDERING SIDE-
1-611-621-13
SY-4C
SY-4P

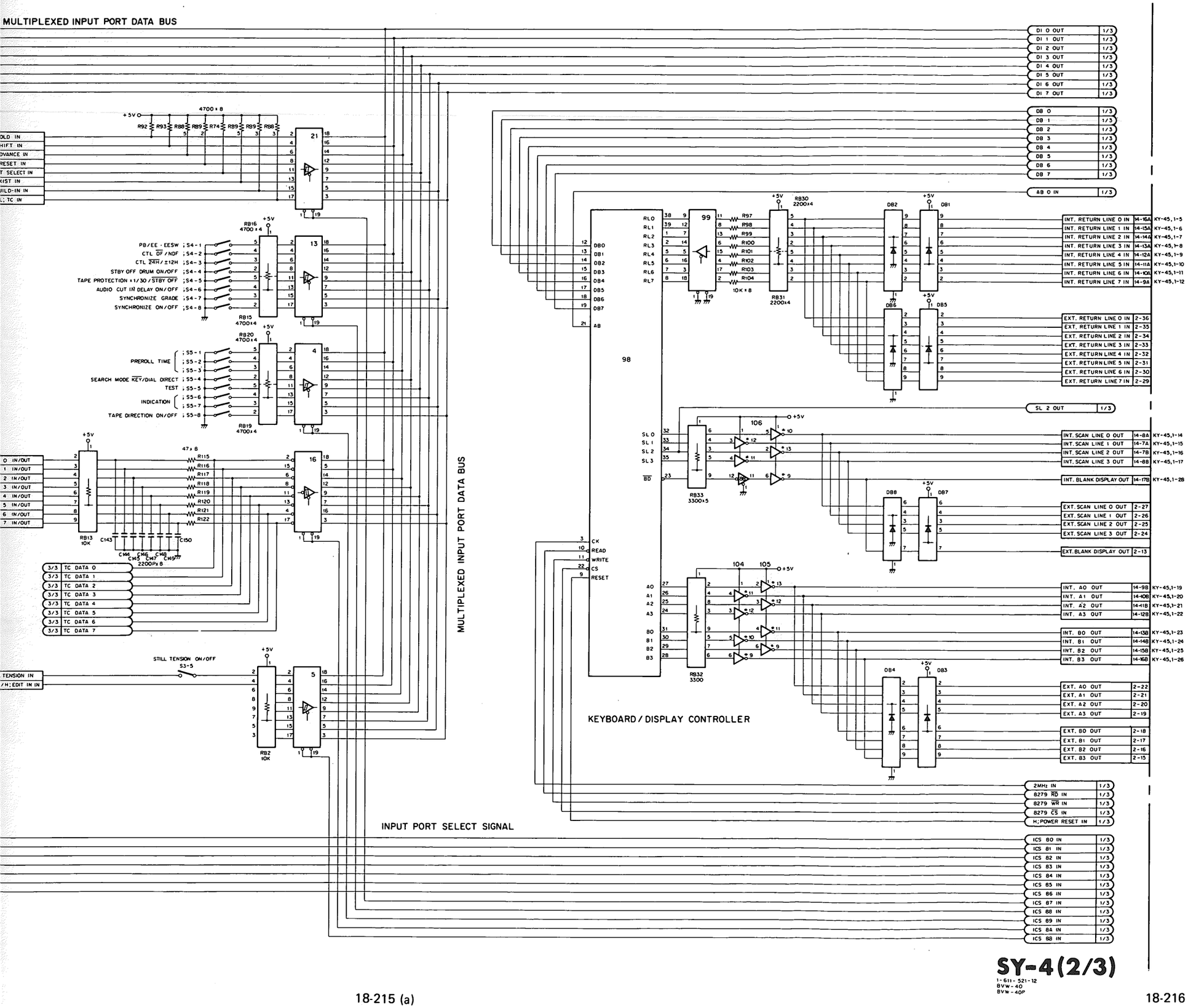
SY-4 (2/3) (SYSTEM CONTROL)

S/N 10396 TO 10495 (UC)
S/N 10246 TO 10295 (J)



18-213 (a)

18-214 (a)



SY-4(2/3)

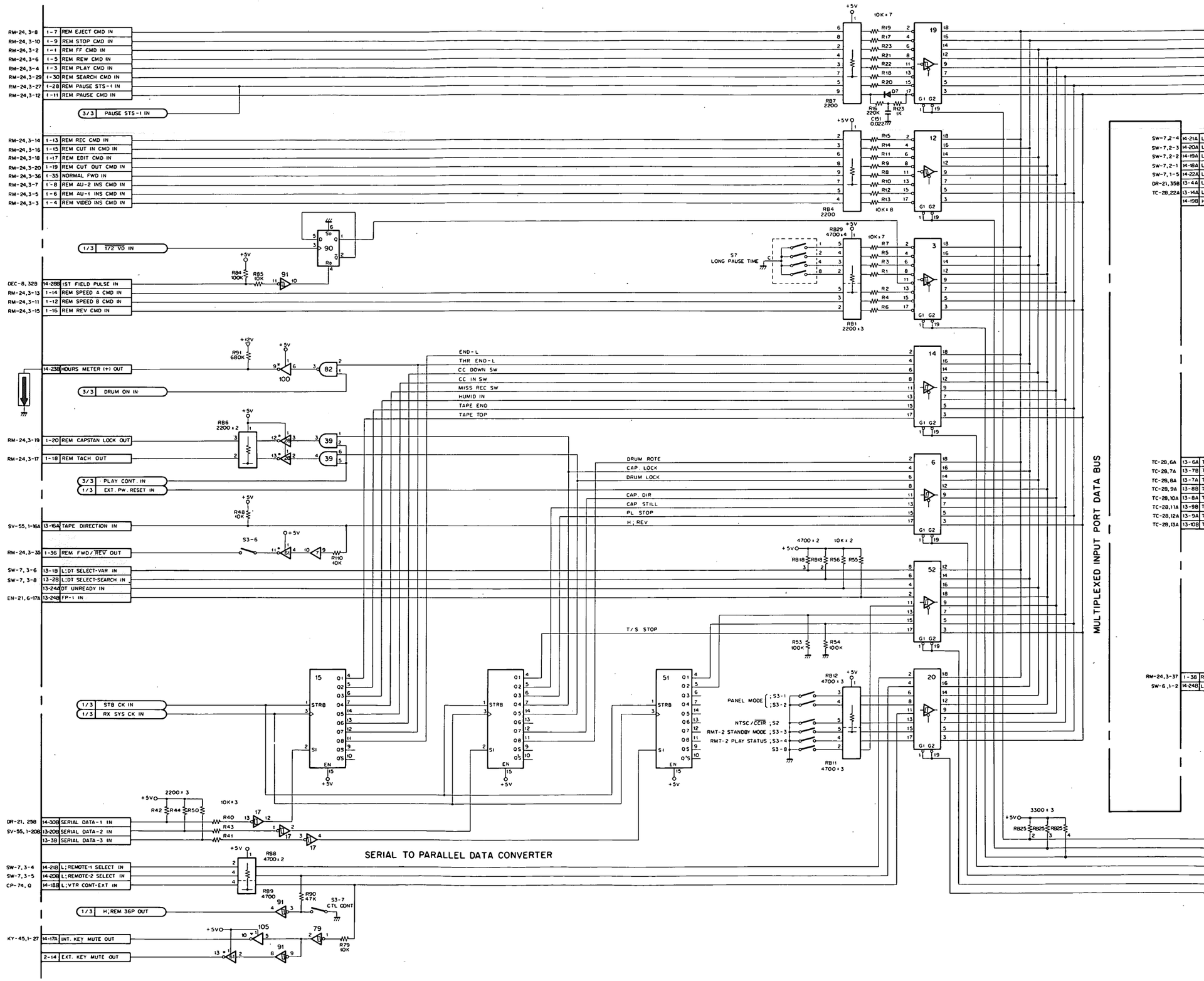
1-611-521-12
8VW-40
8VW-40P

SY-4 (2/3) (SYSTEM CONTROL)

S/N 10496 AND LATER (UC)
S/N 10296 AND LATER (J)

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
※1	L2, L3, L4) 100μH ADDED	UC: 10496 ~ J: 10296 ~ P: 10161 ~



MULTIPLEXED INPUT PORT DATA BUS

MULTIPLEXED INPUT PORT DATA BUS

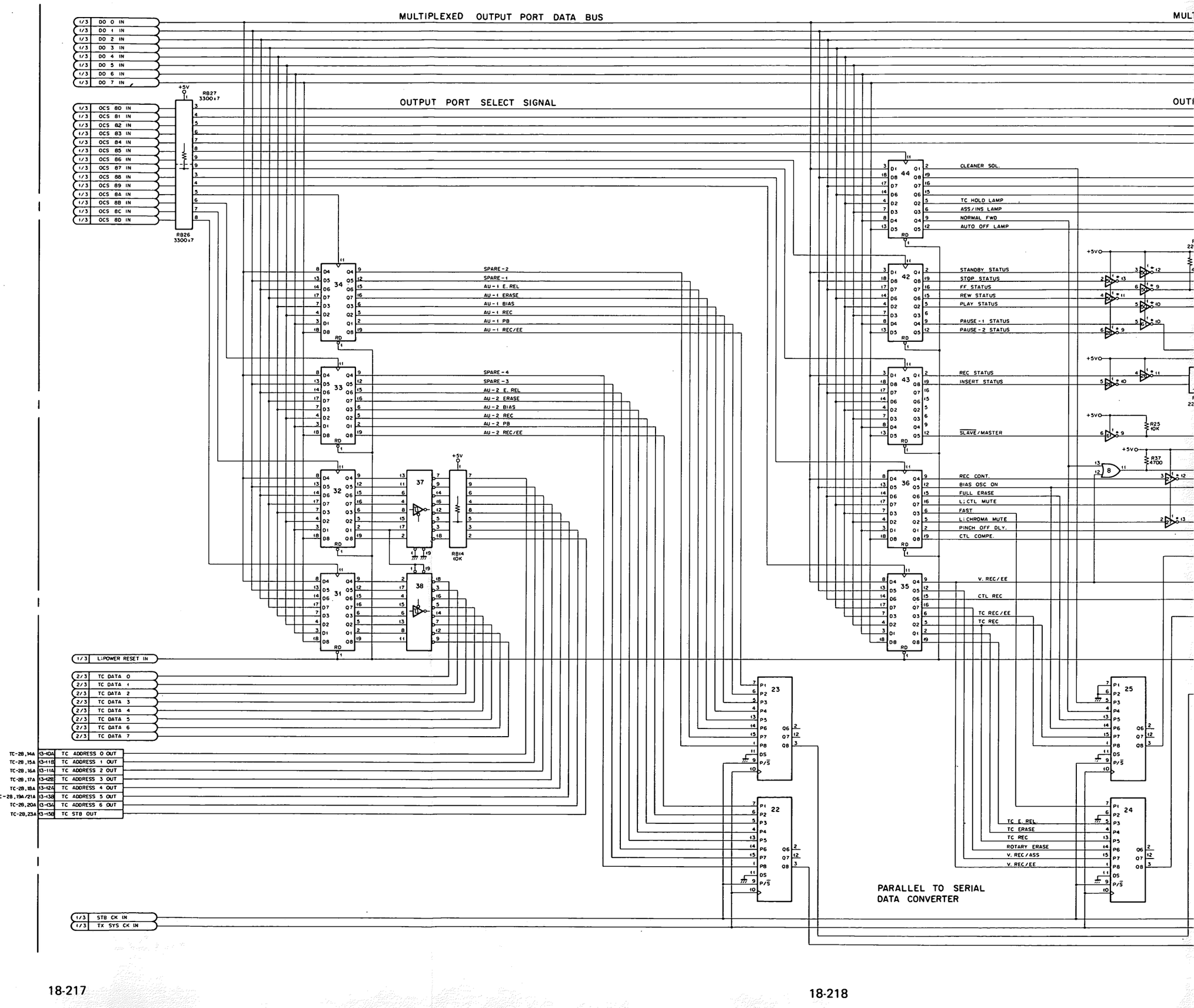
KEYBOARD / DISPLAY CONTROLLER

INPUT PORT SELECT SIGNAL

SY-4(2/3)

1-611-521-13
BVW-40
BVW-40P

SY-4 (3/3) (SYSTEM CONTROL)



LEXD OUTPUT PORT DATA BUS

T PORT SELECT SIGNAL

RV1 ; PINCH ON DELAY

S6 : PINCH ON DELAY ON/OFF

PARALLEL TO SERIAL DATA CONVERTER

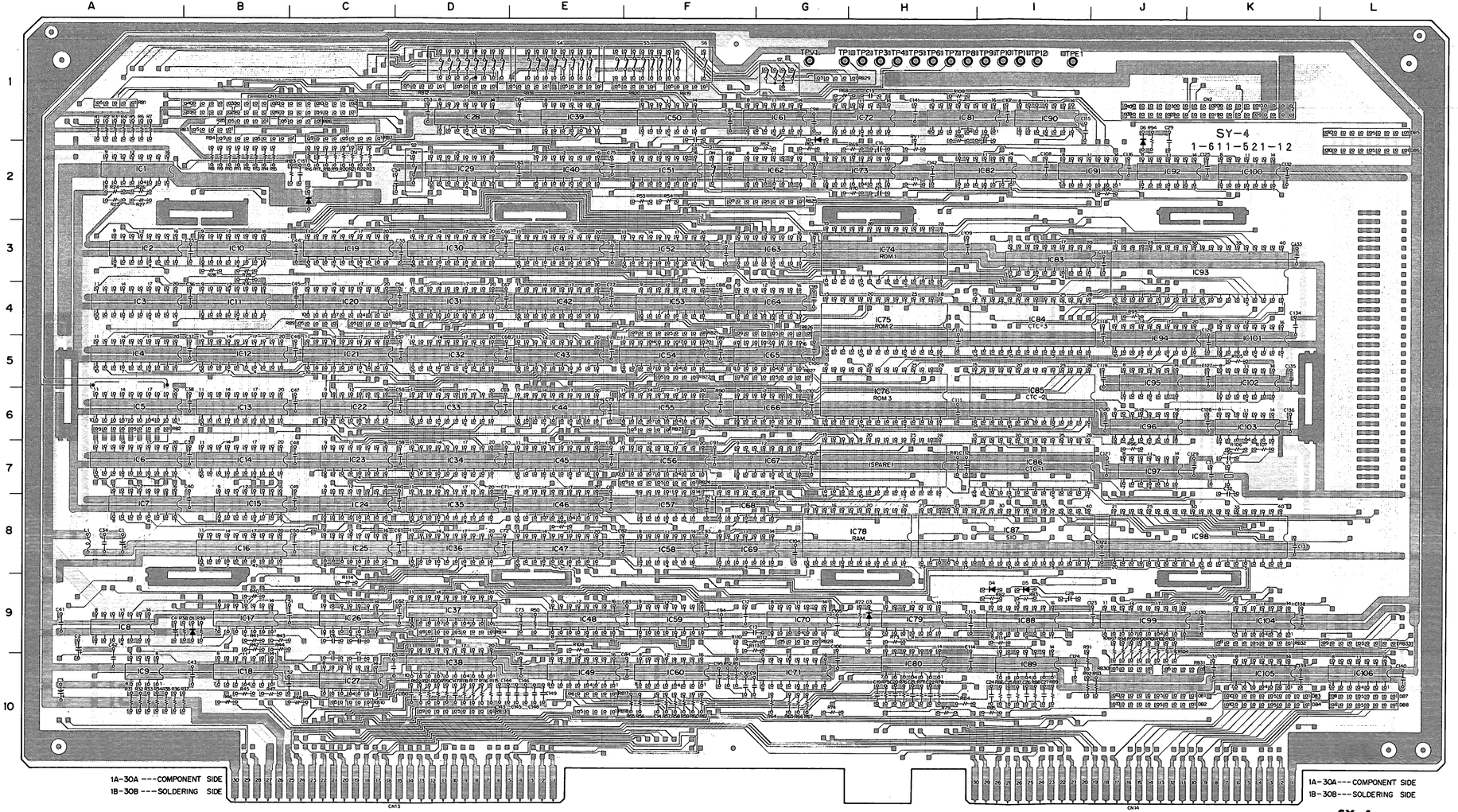
SY-4(3/3)

1-611-521-12,13
8VW-40
8VW-40P

SY-4 (SYSTEM CONTROL)

S/N 10396 TO 10495 (UC)
S/N 10246 TO 10295 (J)

Ref. No.	Type	Pin No. +5V	Pin No. GND	Ref. No.	Type	Pin No. +5V	Pin No. GND
IC 1	AM26LS31PC	16	8	IC 54	SN74LS244N	20	10
IC 2	AM26LS32PC	16	8	IC 55	SN74LS244N	20	10
IC 3	TC40H240P	20	10	IC 56	SN74LS245N	20	10
IC 4	SN74LS244N	20	10	IC 57	SN74LS00N	14	7
IC 5	SN74LS244N	20	10	IC 58	SN74LS08N	14	7
IC 6	SN74LS244N	20	10	IC 59	TC4021BP	16	8
IC 7	MC14094BCP	16	8	IC 60	TC4021BP	16	8
IC 8	SN74LS32N	14	7	IC 61	M54529AP	14	7
IC 9	NJM2903D	8	4	IC 62	SN74LS97N	14	7
IC 10	AM26LS32PC	16	8	IC 63	SN74LS138N	16	8
IC 11	AM26LS31PC	16	8	IC 64	SN74LS138N	16	8
IC 12	TC40H240P	20	10	IC 65	SN74LS138N	16	8
IC 13	SN74LS244N	20	10	IC 66	SN74LS138N	16	8
IC 14	SN74LS244N	20	10	IC 67	SN74LS139N	16	8
IC 15	MC14094BCP	16	8	IC 68	SN74LS32N	14	7
IC 16	SN74LS240N	20	10	IC 69	SN74LS32N	14	7
IC 17	MC14584BCP	14	7	IC 70	SN74LS97N	14	7
IC 18	M54529AP	14	7	IC 71	TC4069BP	1	8
IC 19	TC40H240P	20	10	IC 72	TC4073BP	14	7
IC 20	SN74LS244N	20	10	IC 73	MC14538BCP	16	8
IC 21	SN74LS244N	20	10	IC 74	MBM2764-25	28	14
IC 22	TC4021BP	16	8	IC 75	MBM2764-25	28	14
IC 23	TC4021BP	16	8	IC 76	MBM2764-25	28	14
IC 24	TC4021BP	16	8	IC 77	MBM2764-25	28	14
IC 25	TC4021BP	16	8	IC 78	MSM2128-15RS	24	12
IC 26	SN74LS97N	14	7	IC 79	MC14584BCP	14	7
IC 27	M54529AP	14	7	IC 80	SN74LS97N	14	7
IC 28	M54529AP	14	7	IC 81	MC14538BCP	16	8
IC 29	TC4021BP	16	8	IC 82	TC4011BP	14	7
IC 30	TC40H273P	20	10	IC 83	SN74LS244N	20	10
IC 31	TC40H273P	20	10	IC 84	LH0082A	24	5
IC 32	TC40H273P	20	10	IC 85	LH0082A	24	5
IC 33	TC40H273P	20	10	IC 86	LH0082A	24	5
IC 34	TC40H273P	20	10	IC 87	LH0084A	9	31
IC 35	TC40H273P	20	10	IC 88	TC40H366BP	16	8
IC 36	TC40H273P	20	10	IC 89	SN74LS97N	14	7
IC 37	SN74LS240N	20	10	IC 90	TC4013BP	14	7
IC 38	SN74LS240N	20	10	IC 91	MC14584BCP	14	7
IC 39	TC4081BP	14	7	IC 92	TC4024BP	14	7
IC 40	TC4021BP	16	8	IC 93	LH0080A	11	29
IC 41	TC40H273P	20	10	IC 94	SN74LS244N	20	10
IC 42	TC40H273P	20	10	IC 95	SN74LS164N	14	7
IC 43	TC40H273P	20	10	IC 96	TC40H366BP	16	8
IC 44	TC40H273P	20	10	IC 97	SN74S74N	14	7
IC 45	TC40H273P	20	10	IC 98	μ PD8279C-5	40	20
IC 46	TC40H273P	20	10	IC 99	TC40H244P	20	10
IC 47	TC40H273P	20	10	IC100	M54529AP	14	7
IC 48	TC4021BP	16	8	IC101	TC4020BP	16	8
IC 49	TC4021BP	16	8	IC102	SN74LS164N	14	7
IC 50	M54529AP	14	7	IC103	SN74S04N	14	7
IC 51	MC14094BCP	16	8	IC104	M54529AP	14	7
IC 52	SN74LS244N	20	10	IC105	M54529AP	14	7
IC 53	SN74LS138N	16	8	IC106	M54529AP	14	7



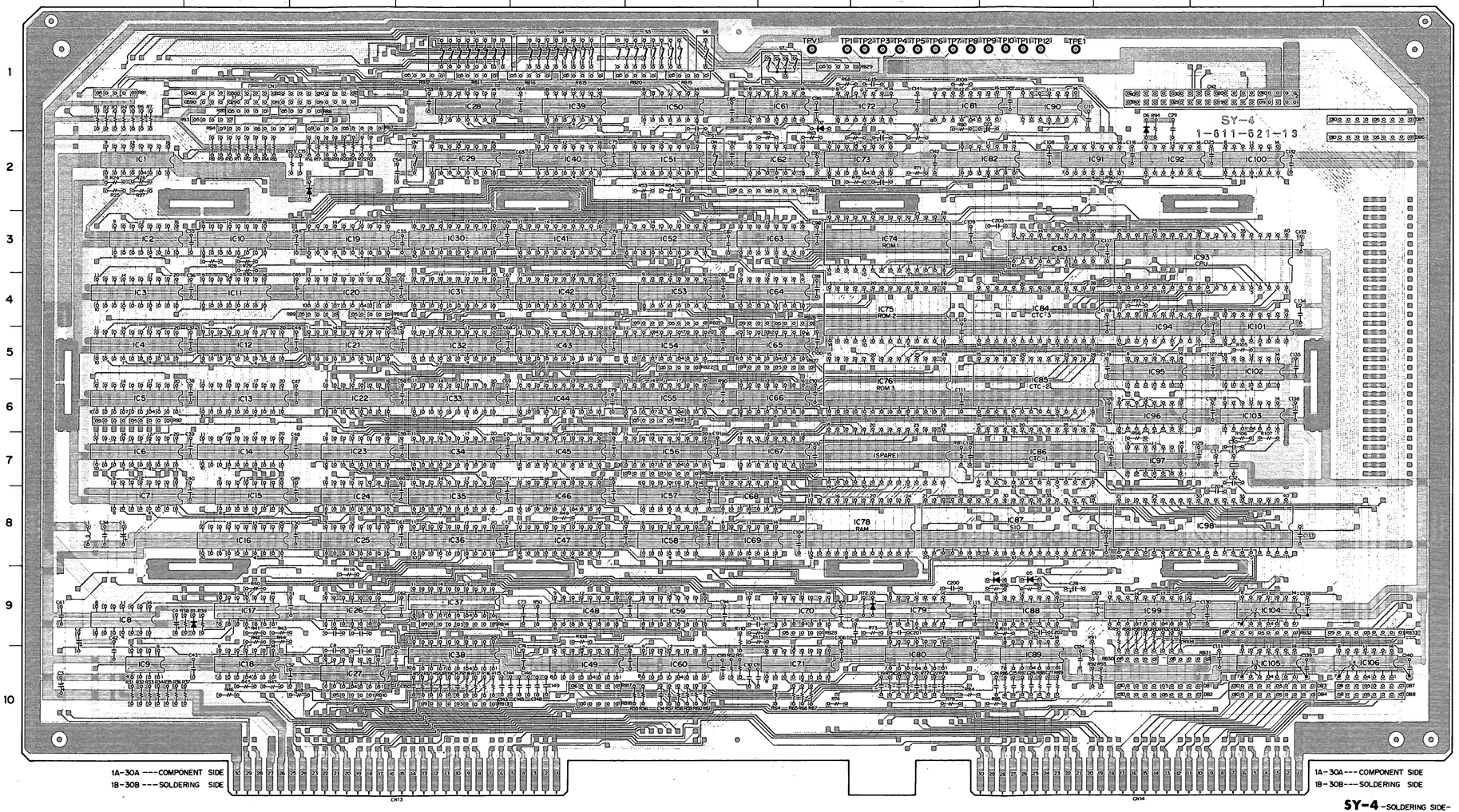
CN1	B - 1	IC80	H - 10
CN2	K - 1	IC81	H - 1
CN13	C - 10	IC82	I - 2
CN14	J - 10	IC83	I - 3
		IC84	I - 4
D1	B - 9	IC85	I - 6
D2	G - 2	IC86	I - 7
D3	H - 9	IC87	I - 8
D4	I - 9	IC88	I - 9
D5	I - 9	IC89	I - 10
D6	J - 2	IC90	I - 1
D7	C - 2	IC91	J - 2
		IC92	J - 2
DB1	J - 10	IC93	K - 3
DB2	J - 10	IC94	J - 4
DB3	K - 10	IC95	J - 5
DB4	K - 10	IC96	J - 6
DB5	L - 1	IC97	J - 7
DB6	L - 2	IC98	K - 8
DB7	L - 10	IC99	J - 9
DB8	L - 10	IC100	K - 2
		IC101	K - 4
IC1	A - 2	IC102	K - 5
IC2	A - 3	IC103	K - 6
IC3	A - 4	IC104	K - 9
IC4	A - 5	IC105	K - 10
IC5	A - 6	IC106	L - 10
IC6	A - 7		
IC7	A - 8	RV1	H - 2
IC8	A - 9		
IC9	A - 10	S1	F - 2
IC10	B - 3	S2	D - 2
IC11	B - 4	S3	D - 1
IC12	B - 5	S4	E - 1
IC13	B - 6	S5	F - 1
IC14	B - 7	S6	F - 1
IC15	B - 8	S7	G - 1
IC16	B - 8		
IC17	B - 9	TP1	G - 1
IC18	B - 10	TP2	H - 1
IC19	C - 3	TP3	H - 1
IC20	C - 4	TP4	H - 1
IC21	C - 5	TP5	H - 1
IC22	C - 6	TP6	H - 1
IC23	C - 7	TP7	H - 1
IC24	C - 8	TP8	H - 1
IC25	C - 8	TP9	I - 1
IC26	C - 9	TP10	I - 1
IC27	C - 10	TP11	I - 1
IC28	D - 1	TP12	I - 1
IC29	D - 2		
IC30	D - 3	TPE1	I - 1
IC31	D - 4		
IC32	D - 5	TPV1	G - 1
IC33	D - 6		
IC34	D - 7	X1	K - 7
IC35	D - 8		
IC36	D - 8		
IC37	D - 9		
IC38	D - 10		
IC39	E - 1		
IC40	E - 2		
IC41	E - 3		
IC42	E - 4		
IC43	E - 5		
IC44	E - 6		
IC45	E - 7		
IC46	E - 8		
IC47	E - 8		
IC48	E - 9		
IC49	E - 10		
IC50	F - 1		
IC51	F - 2		
IC52	F - 3		
IC53	F - 4		
IC54	F - 5		
IC55	F - 6		
IC56	F - 7		
IC57	F - 8		
IC58	F - 8		
IC59	F - 9		
IC60	F - 10		
IC61	G - 1		
IC62	G - 2		
IC63	G - 3		
IC64	G - 4		
IC65	G - 5		
IC66	G - 6		
IC67	G - 7		
IC68	F - 8		
IC69	F - 8		
IC70	G - 9		
IC71	G - 10		
IC72	H - 1		
IC73	H - 2		
IC74	H - 3		
IC75	H - 4		
IC76	H - 6		
IC78	H - 8		
IC79	H - 9		

SY-4 -SOLDERING SIDE-
1-611-521-12
BVW-10
BVW-40P

SY-4 (SYSTEM CONTROL)

S/N 10496 AND LATER (UC)
S/N 10296 AND LATER (J)

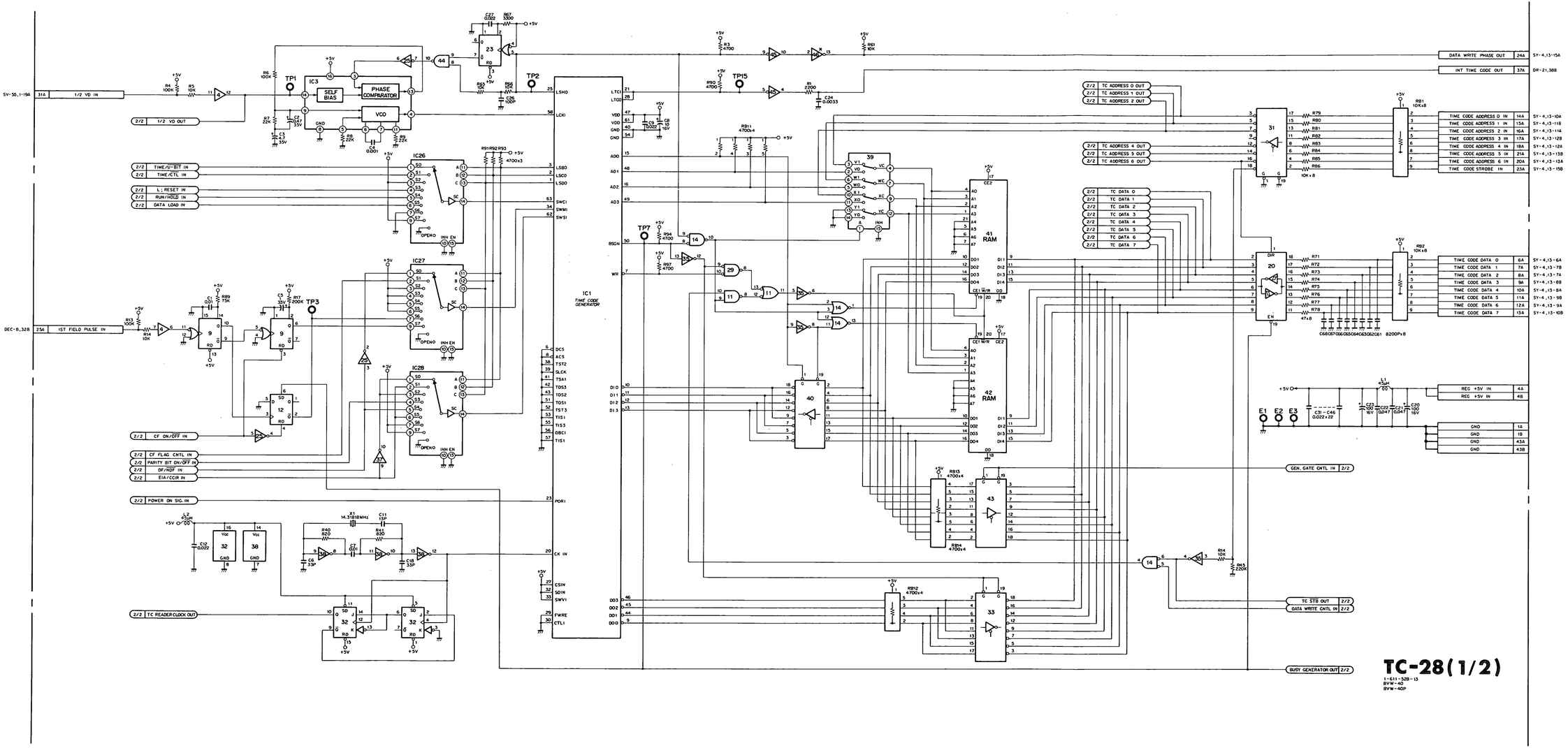
Ref. No.	Type	Pin No. +5V	Pin No. GND	Ref. No.	Type	Pin No. +5V	Pin No. GND
IC 1	AM26LS31PC	16	8	IC 54	SN74LS244N	20	10
IC 2	AM26LS32PC	16	8	IC 55	SN74LS244N	20	10
IC 3	TC40H240P	20	10	IC 56	SN74LS245N	20	10
IC 4	SN74LS244N	20	10	IC 57	SN74LS00N	14	7
IC 5	SN74LS244N	20	10	IC 58	SN74LS08N	14	7
IC 6	SN74LS244N	20	10	IC 59	TC4021BP	16	8
IC 7	MC14094BCP	16	8	IC 60	TC4021BP	16	8
IC 8	SN74LS32N	14	7	IC 61	M54529AP	14	7
IC 9	NJM2903D	8	4	IC 62	SN74LS37N	14	7
IC 10	AM26LS32PC	16	8	IC 63	SN74LS138N	16	8
IC 11	AM26LS31PC	16	8	IC 64	SN74LS138N	16	8
IC 12	TC40H240P	20	10	IC 65	SN74LS138N	16	8
IC 13	SN74LS244N	20	10	IC 66	SN74LS138N	16	8
IC 14	SN74LS244N	20	10	IC 67	SN74LS139N	16	8
IC 15	MC14094BCP	16	8	IC 68	SN74LS32N	14	7
IC 16	SN74LS240N	20	10	IC 69	SN74LS32N	14	7
IC 17	MC14584BCP	14	7	IC 70	SN74LS37N	14	7
IC 18	M54529AP	14	7	IC 71	TC4050BP	1	8
IC 19	TC40H240P	20	10	IC 72	TC4073BP	14	7
IC 20	SN74LS244N	20	10	IC 73	MC14538BCP	16	8
IC 21	SN74LS244N	20	10	IC 74	MBM2764-25	28	14
IC 22	TC4021BP	16	8	IC 75	MBM2764-25	28	14
IC 23	TC4021BP	16	8	IC 76	MBM2764-25	28	14
IC 24	TC4021BP	16	8	IC 77	MBM2764-25	28	14
IC 25	TC4021BP	16	8	IC 78	MSM2128-15RS	24	12
IC 26	SN74LS37N	14	7	IC 79	MC14584BCP	14	7
IC 27	M54529AP	14	7	IC 80	SN74LS37N	14	7
IC 28	M54529AP	14	7	IC 81	MC14538BCP	16	8
IC 29	TC4021BP	16	8	IC 82	TC4011BP	14	7
IC 30	TC40H273P	20	10	IC 83	SN74LS244N	20	10
IC 31	TC40H273P	20	10	IC 84	LH0082A	24	5
IC 32	TC40H273P	20	10	IC 85	LH0082A	24	5
IC 33	TC40H273P	20	10	IC 86	LH0082A	24	5
IC 34	TC40H273P	20	10	IC 87	LH0084A	9	31
IC 35	TC40H273P	20	10	IC 88	TC40H368P	16	8
IC 36	TC40H273P	20	10	IC 89	SN74LS37N	14	7
IC 37	SN74LS240N	20	10	IC 90	TC4013BP	14	7
IC 38	SN74LS240N	20	10	IC 91	MC14584BCP	14	7
IC 39	TC4081BP	14	7	IC 92	TC4024BP	14	7
IC 40	TC4021BP	16	8	IC 93	LH0082A	11	29
IC 41	TC40H273P	20	10	IC 94	SN74LS244N	20	10
IC 42	TC40H273P	20	10	IC 95	SN74LS164N	14	7
IC 43	TC40H273P	20	10	IC 96	TC40H368P	16	8
IC 44	TC40H273P	20	10	IC 97	SN74S74N	14	7
IC 45	TC40H273P	20	10	IC 98	μ PD8279C-5	40	20
IC 46	TC40H273P	20	10	IC 99	TC40H244P	20	10
IC 47	TC40H273P	20	10	IC100	M54529AP	14	7
IC 48	TC4021BP	16	8	IC101	TC4028BP	16	8
IC 49	TC4021BP	16	8	IC102	SN74LS164N	14	7
IC 50	M54529AP	14	7	IC103	SN74S04N	14	7
IC 51	MC14094BCP	16	8	IC104	M54529AP	14	7
IC 52	SN74LS244N	20	10	IC105	M54529AP	14	7
IC 53	SN74LS138N	16	8	IC106	M54529AP	14	7



CN1	B - 1	IC80 H - 10
CN2	K - 1	IC81 H - 1
CN13	C - 10	IC82 I - 2
CN14	J - 10	IC83 I - 3
		IC84 I - 4
D1	B - 9	IC85 I - 6
D2	G - 2	IC86 I - 7
D3	H - 9	IC87 I - 8
D4	I - 9	IC88 I - 9
D5	I - 9	IC89 I - 10
D6	J - 2	IC90 I - 1
D7	C - 2	IC91 J - 2
		IC92 J - 2
DB1	J - 10	IC93 K - 3
DB2	J - 10	IC94 J - 4
DB3	K - 10	IC95 J - 5
DB4	K - 10	IC96 J - 6
DB5	L - 1	IC97 J - 7
DB6	L - 2	IC98 K - 8
DB7	L - 10	IC99 J - 9
DB8	L - 10	IC100 K - 2
		IC101 K - 4
IC1	A - 2	IC102 K - 5
IC2	A - 3	IC103 K - 6
IC3	A - 4	IC104 K - 9
IC4	A - 5	IC105 K - 10
IC5	A - 6	IC106 L - 10
IC6	A - 7	
IC7	A - 8	RV1 H - 2
IC8	A - 9	
IC9	A - 10	S1 F - 2
IC10	B - 3	S2 D - 2
IC11	B - 4	S3 D - 1
IC12	B - 5	S4 E - 1
IC13	B - 6	S5 F - 1
IC14	B - 7	S6 F - 1
IC15	B - 8	S7 G - 1
IC16	B - 8	
IC17	B - 9	TP1 G - 1
IC18	B - 10	TP2 H - 1
IC19	C - 3	TP3 H - 1
IC20	C - 4	TP4 H - 1
IC21	C - 5	TP5 H - 1
IC22	C - 6	TP6 H - 1
IC23	C - 7	TP7 H - 1
IC24	C - 8	TP8 H - 1
IC25	C - 8	TP9 I - 1
IC26	C - 9	TP10 I - 1
IC27	C - 10	TP11 I - 1
IC28	D - 1	TP12 I - 1
IC29	D - 2	
IC30	D - 3	TPE1 I - 1
IC31	D - 4	
IC32	D - 5	TPV1 G - 1
IC33	D - 6	
IC34	D - 7	X1 K - 7
IC35	D - 8	
IC36	D - 8	
IC37	D - 9	
IC38	D - 10	
IC39	E - 1	
IC40	E - 2	
IC41	E - 3	
IC42	E - 4	
IC43	E - 5	
IC44	E - 6	
IC45	E - 7	
IC46	E - 8	
IC47	E - 8	
IC48	E - 9	
IC49	E - 10	
IC50	F - 1	
IC51	F - 2	
IC52	F - 3	
IC53	F - 4	
IC54	F - 5	
IC55	F - 6	
IC56	F - 7	
IC57	F - 8	
IC58	F - 8	
IC59	F - 9	
IC60	F - 10	
IC61	G - 1	
IC62	G - 2	
IC63	G - 3	
IC64	G - 4	
IC65	G - 5	
IC66	G - 6	
IC67	F - 7	
IC68	F - 8	
IC69	F - 8	
IC70	G - 9	
IC71	G - 10	
IC72	H - 1	
IC73	H - 2	
IC74	H - 3	
IC75	H - 4	
IC76	H - 6	
IC78	H - 8	
IC79	H - 9	

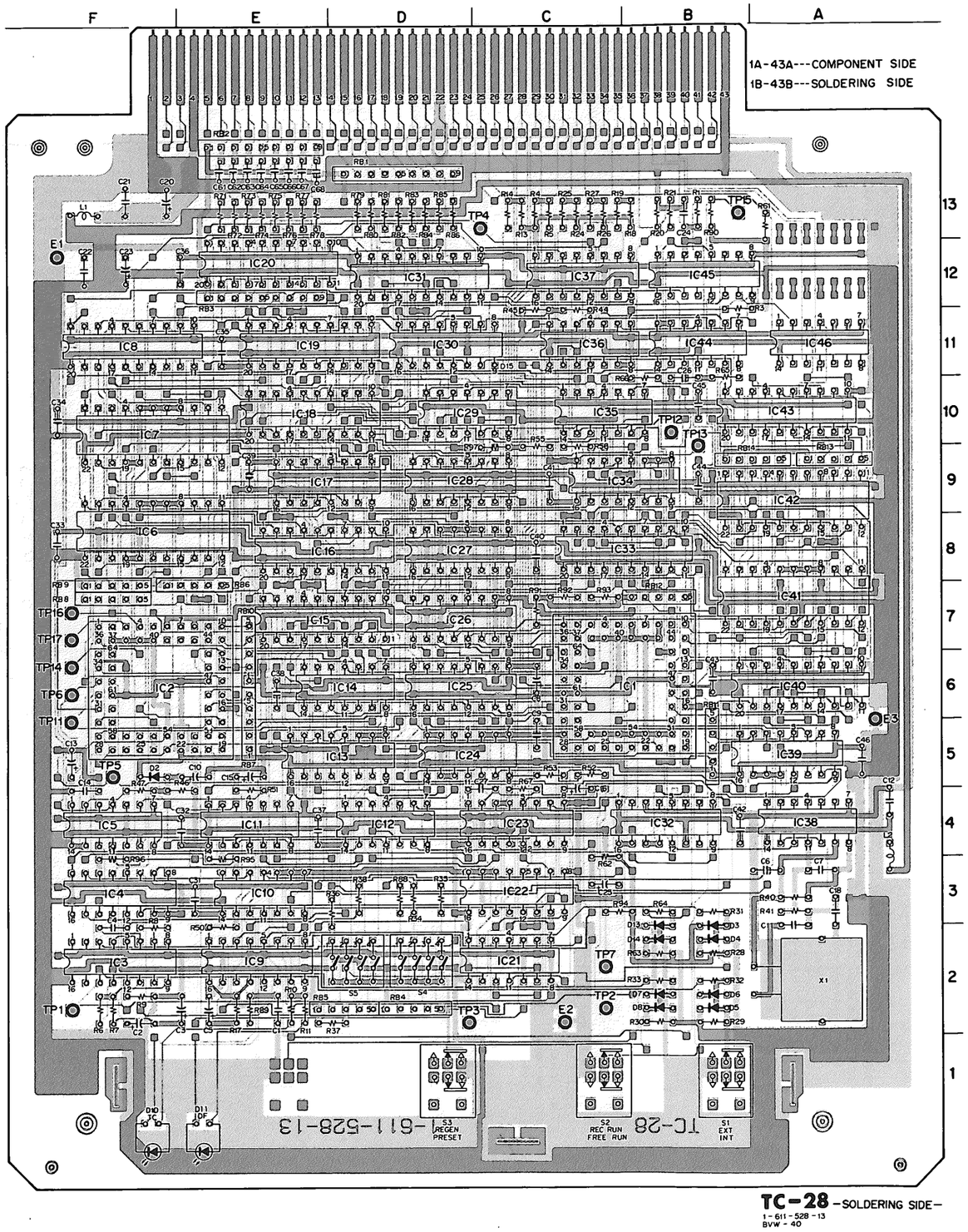
TC-28 (1/2) TC-28 (1/2)

TC-28 (1/2) (TIME CODE GENERATOR)



TC-28 (TIME CODE GENERATOR)

D2	F - 5
D3	B - 3
D4	B - 2
D5	B - 2
D6	B - 2
D7	B - 2
D8	B - 2
D10	F - 1
D13	B - 3
D14	B - 2
E1	F - 12
E2	C - 2
E3	A - 6
IC1	C - 6
IC2	F - 6
IC3	F - 2
IC4	F - 3
IC5	F - 4
IC6	F - 8
IC7	F - 10
IC8	F - 11
IC9	E - 2
IC10	E - 3
IC11	E - 4
IC12	D - 4
IC13	D - 5
IC14	D - 6
IC15	E - 7
IC16	E - 8
IC17	E - 9
IC18	E - 10
IC19	E - 11
IC20	E - 12
IC21	C - 3
IC22	C - 4
IC23	C - 5
IC24	D - 5
IC25	D - 6
IC26	D - 7
IC27	D - 8
IC28	D - 9
IC29	D - 10
IC30	D - 11
IC31	D - 12
IC32	B - 4
IC33	C - 8
IC34	C - 9
IC35	C - 10
IC36	C - 11
IC37	C - 12
IC38	A - 4
IC39	A - 5
IC40	A - 6
IC41	A - 7
IC42	A - 9
IC43	A - 10
IC44	B - 11
IC45	B - 12
IC46	A - 11
RB1	D - 13
RB2	E - 13
RB3	E - 12
RB4	D - 2
RB5	E - 2
RB6	E - 7
RB7	E - 5
RB8	F - 7
RB9	F - 7
RB10	E - 7
RB11	B - 5
RB12	B - 7
RB13	A - 9
RB14	A - 9
S1	B - 1
S2	C - 1
S3	D - 1
S4	D - 2
S5	D - 2
S6	E - 1
TP1	F - 2
TP2	C - 2
TP3	D - 2
TP4	C - 13
TP5	F - 5
TP6	F - 6
TP7	C - 3
TP11	F - 6
TP12	B - 10
TP13	B - 10
TP14	F - 6
TP15	B - 13
TP16	F - 7
TP17	F - 7
X1	A - 2

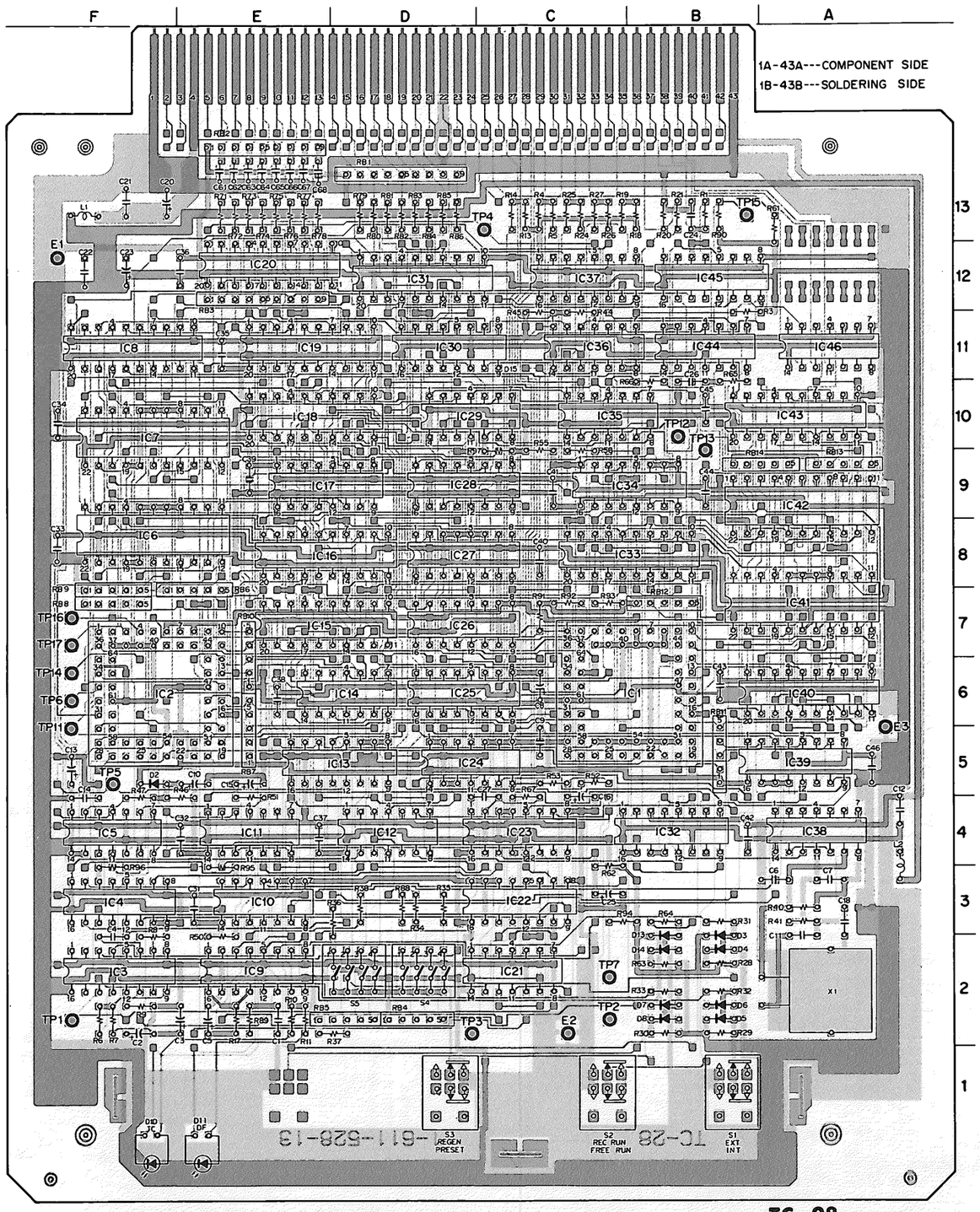


TC-28 –SOLDERING SIDE–
1-611-528-13
BVW-40

Ref. No.	Type	Pin No. +5V	Pin No. GND
IC 1	CX7907A	47, 61	40, 54
IC 2	CX7912A	47, 61	40, 54
IC 3	MC14046BCP	16	8
IC 4	TC4050BP	1	8
IC 5	TC4093BP	14	7
IC 6	μPD5101LC-1	22	8
IC 7	μPD5101LC-1	22	8
IC 8	TC40H240P	20	10
IC 9	MC14538BCP	16	8
IC 10	M54529AP	14	7
IC 11	TC40H000P	14	7
IC 12	TC4013BP	14	7
IC 13	μPD4519BC	16	8
IC 14	TC40H002P	14	7
IC 15	TC40H244P	20	10
IC 16	TC40H244P	20	10
IC 17	μPD4519BC	16	8
IC 18	TC40H374P	20	10
IC 19	TC40H374P	20	10
IC 20	SN74LS640N	20	10
IC 21	TC4013BP	14	7
IC 22	TC4019BP	16	8
IC 23	MC14538BCP	16	8
IC 24	TC4030BP	14	7
IC 25	TC4049BP	1	8
IC 26	TC4512BP	16	8
IC 27	TC4512BP	16	8
IC 28	TC4512BP	*	8
IC 29	TC40H032P	14	7
IC 30	TC40H138P	16	8
IC 31	TC40H240P	20	10
IC 32	SN74LS109AN	*	8
IC 33	TC40H240P	20	10
IC 34	TC4053BP	16	8
IC 35	TC40H004P	14	7
IC 36	TC4001BP	14	7
IC 37	TC4049BP	1	8
IC 38	SN74S04N	14	7
IC 39	TC40H157P	16	8
IC 40	TC40H240P	20	10
IC 41	μPD5101LC-1	22	8
IC 42	μPD5101LC-1	22	8
IC 43	TC40H244P	20	10
IC 44	TC4011BP	14	7
IC 45	TC4049BP	1	8
IC 46	M54529AP	14	7

NOTE *: REFER TO SCHEMATIC.

TC-28 (TIME CODE READER)



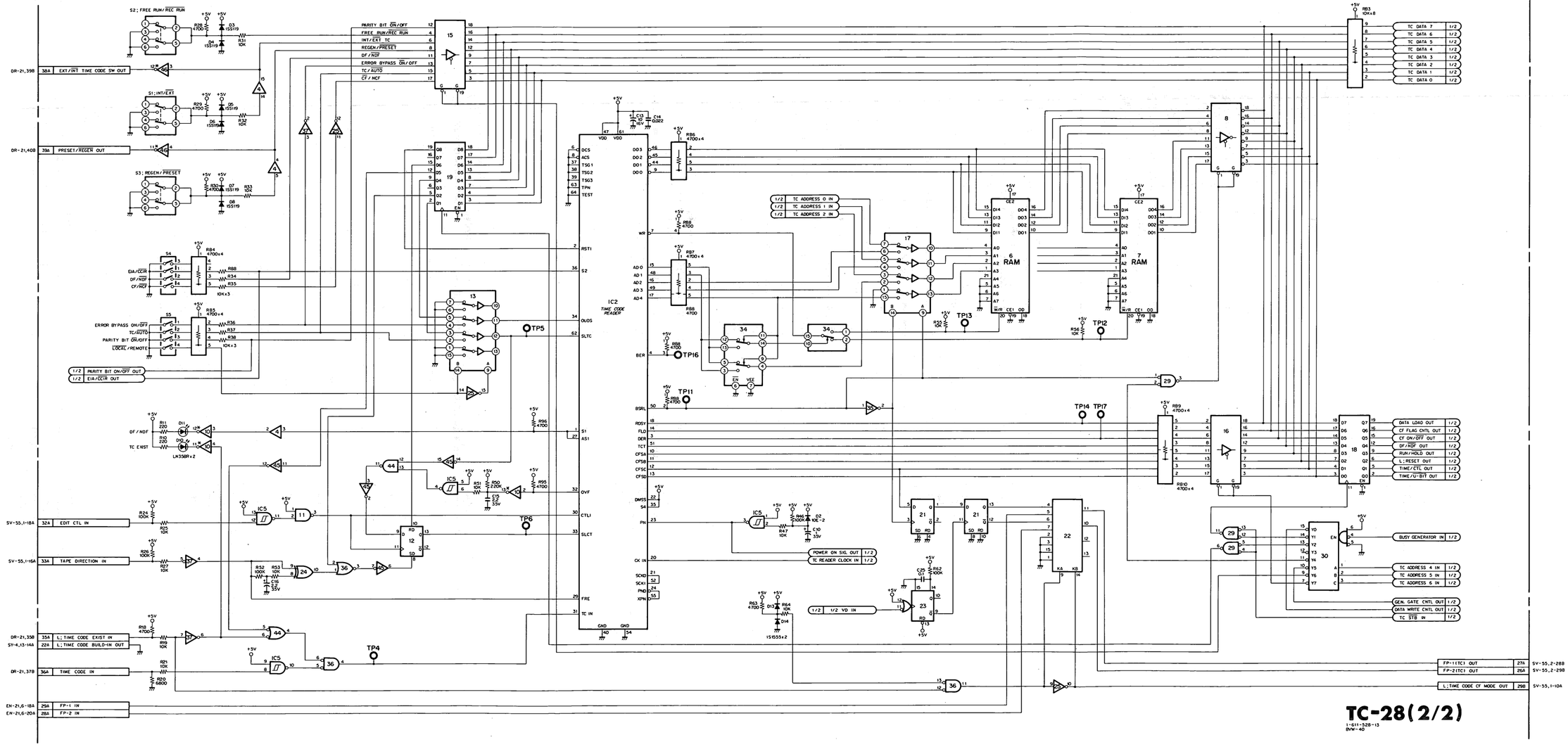
D2	F - 5
D3	B - 3
D4	B - 2
D5	B - 2
D6	B - 2
D7	B - 2
D8	B - 2
D10	F - 1
D13	B - 3
D14	B - 2
E1	F - 12
E2	C - 2
E3	A - 6
IC1	C - 6
IC2	F - 6
IC3	F - 2
IC4	F - 3
IC5	F - 4
IC6	F - 8
IC7	F - 10
IC8	F - 11
IC9	E - 2
IC10	E - 3
IC11	E - 4
IC12	D - 4
IC13	D - 5
IC14	D - 6
IC15	E - 7
IC16	E - 8
IC17	E - 9
IC18	E - 10
IC19	E - 11
IC20	E - 12
IC21	C - 3
IC22	C - 4
IC23	C - 5
IC24	D - 5
IC25	D - 6
IC26	D - 7
IC27	D - 8
IC28	D - 9
IC29	D - 10
IC30	D - 11
IC31	D - 12
IC32	B - 4
IC33	C - 8
IC34	C - 9
IC35	C - 10
IC36	C - 11
IC37	C - 12
IC38	A - 4
IC39	A - 5
IC40	A - 6
IC41	A - 7
IC42	A - 9
IC43	A - 10
IC44	B - 11
IC45	B - 12
IC46	A - 11
RB1	D - 13
RB2	E - 13
RB3	E - 12
RB4	D - 2
RB5	E - 2
RB6	E - 7
RB7	E - 5
RB8	F - 7
RB9	F - 7
RB10	E - 7
RB11	B - 5
RB12	B - 7
RB13	A - 9
RB14	A - 9
S1	B - 1
S2	C - 1
S3	D - 1
S4	D - 2
S5	D - 2
S6	E - 1
TP1	F - 2
TP2	C - 2
TP3	D - 2
TP4	C - 13
TP5	F - 5
TP6	F - 6
TP7	C - 3
TP11	F - 6
TP12	B - 10
TP13	B - 10
TP14	F - 6
TP15	B - 13
TP16	F - 7
TP17	F - 7
X1	A - 2

TC-28 -SOLDERING SIDE-
1-611-528-13
BVW-40

Ref. No.	Type	Pin No. +5V	Pin No. GND
IC 1	CX7907A	47, 61	40, 54
IC 2	CX7912A	47, 61	40, 54
IC 3	MC14046BCP	16	8
IC 4	TC4050BP	1	8
IC 5	TC4093BP	14	7
IC 6	μPD5101LC-1	22	8
IC 7	μPD5101LC-1	22	8
IC 8	TC40H240P	20	10
IC 9	MC14538BCP	16	8
IC 10	M54529AP	14	7
IC 11	TC40H000P	14	7
IC 12	TC4013BP	14	7
IC 13	μPD4519BC	16	8
IC 14	TC40H002P	14	7
IC 15	TC40H244P	20	10
IC 16	TC40H244P	20	10
IC 17	μPD4519BC	16	8
IC 18	TC40H374P	20	10
IC 19	TC40H374P	20	10
IC 20	SN74LS640N	20	10
IC 21	TC4013BP	14	7
IC 22	TC4019BP	16	8
IC 23	MC14538BCP	16	8
IC 24	TC4030BP	14	7
IC 25	TC4049BP	1	8
IC 26	TC4512BP	16	8
IC 27	TC4512BP	16	8
IC 28	TC4512BP	*	8
IC 29	TC40H032P	14	7
IC 30	TC40H138P	16	8
IC 31	TC40H240P	20	10
IC 32	SN74LS109AN	*	8
IC 33	TC40H240P	20	10
IC 34	TC4053BP	16	8
IC 35	TC40H004P	14	7
IC 36	TC4001BP	14	7
IC 37	TC4049BP	1	8
IC 38	SN74S04N	14	7
IC 39	TC40H157P	16	8
IC 40	TC40H240P	20	10
IC 41	μPD5101LC-1	22	8
IC 42	μPD5101LC-1	22	8
IC 43	TC40H244P	20	10
IC 44	TC4011BP	14	7
IC 45	TC4049BP	1	8
IC 46	M54529AP	14	7

NOTE *: REFER TO SCHEMATIC.

TC-28 (2/2) (TIME CODE READER)

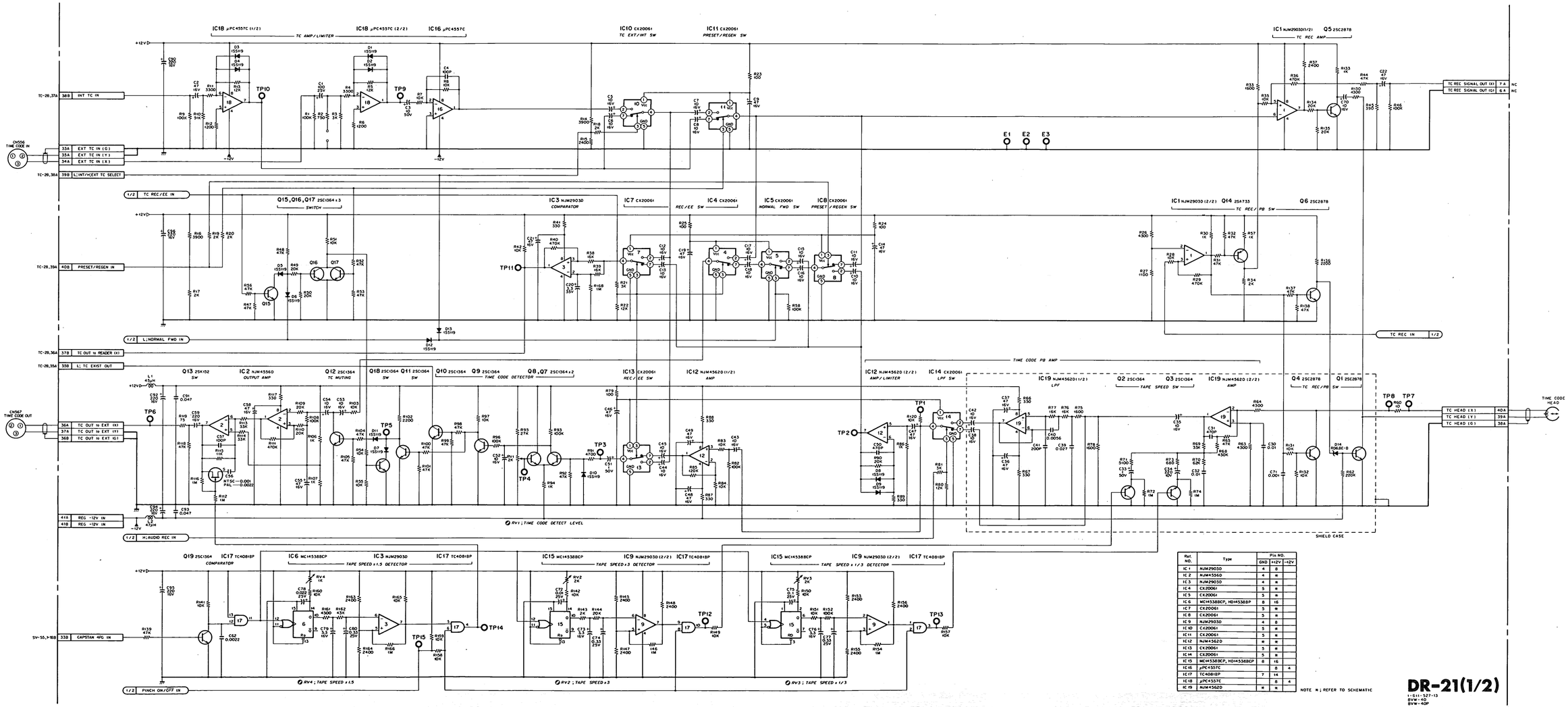


TC-28(2/2)

1-611-528-13
BVW-40

DR-21 (1/2) DR-21 (1/2)

DR-21 (1/2) (TIME CODE REC PB AMPLIFIER)

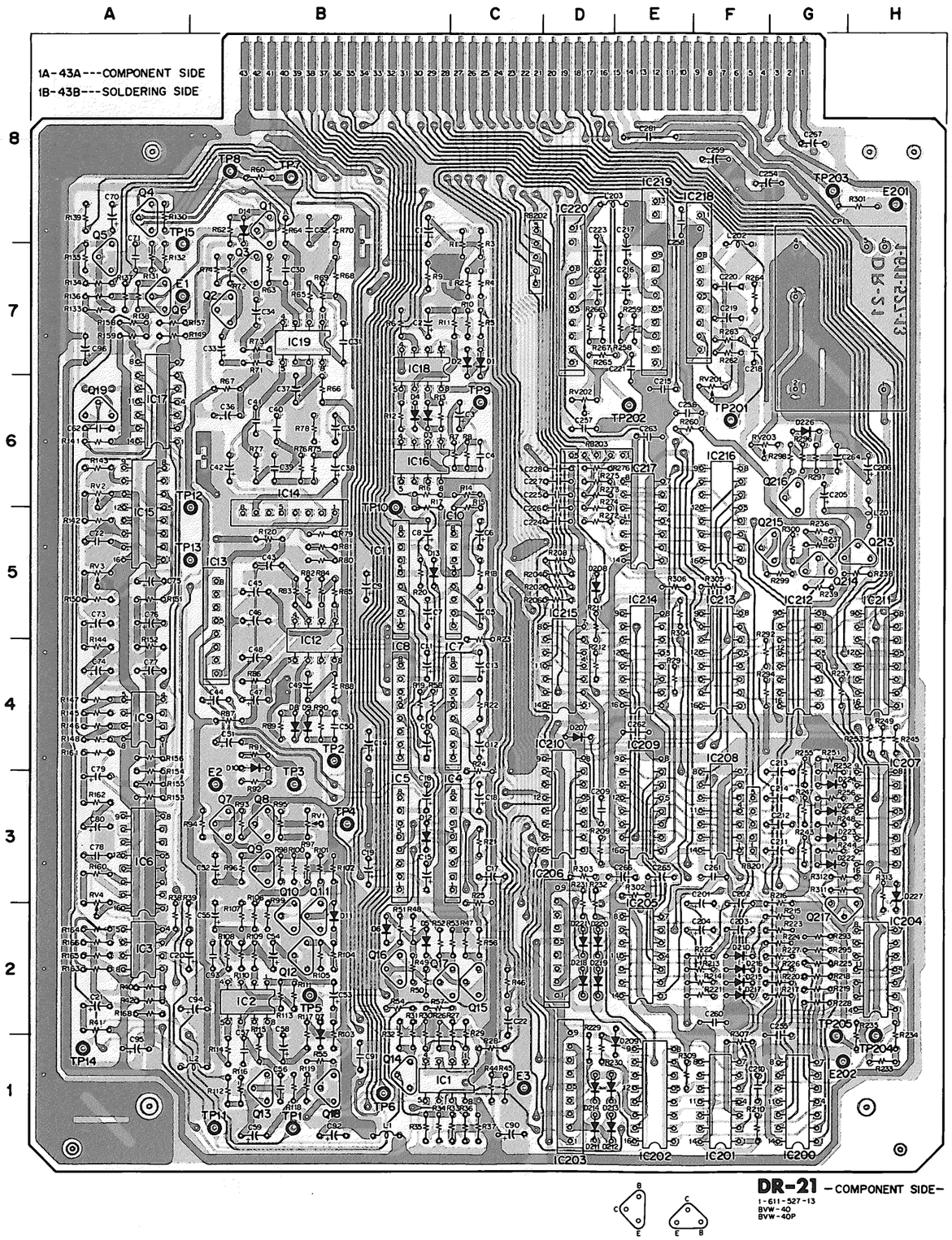


Ref. NO.	Type	Pin NO. GND	+12V	-12V
IC 1	NJM29030	4	8	
IC 2	NJM4556D	4	M	
IC 3	NJM29030	4	M	
IC 4	CX20061	5	M	
IC 5	CX20061	5	M	
IC 6	MC14538BCP, HD14538BP	8	16	
IC 7	CX20061	5	M	
IC 8	CX20061	5	M	
IC 9	NJM29030	4	8	
IC 10	CX20061	5	M	
IC 11	CX20061	5	M	
IC 12	NJM4562D	M	M	
IC 13	CX20061	5	M	
IC 14	CX20061	5	M	
IC 15	MC14538BCP, HD14538BCP	8	16	
IC 16	μPC4557C	8	4	
IC 17	TC4081BP	7	14	
IC 18	μPC4557C	8	4	
IC 19	NJM4562D	M	M	

NOTE M ; REFER TO SCHEMATIC

DR-21(1/2)
1-611-527-13
BVW-40
BVW-40P

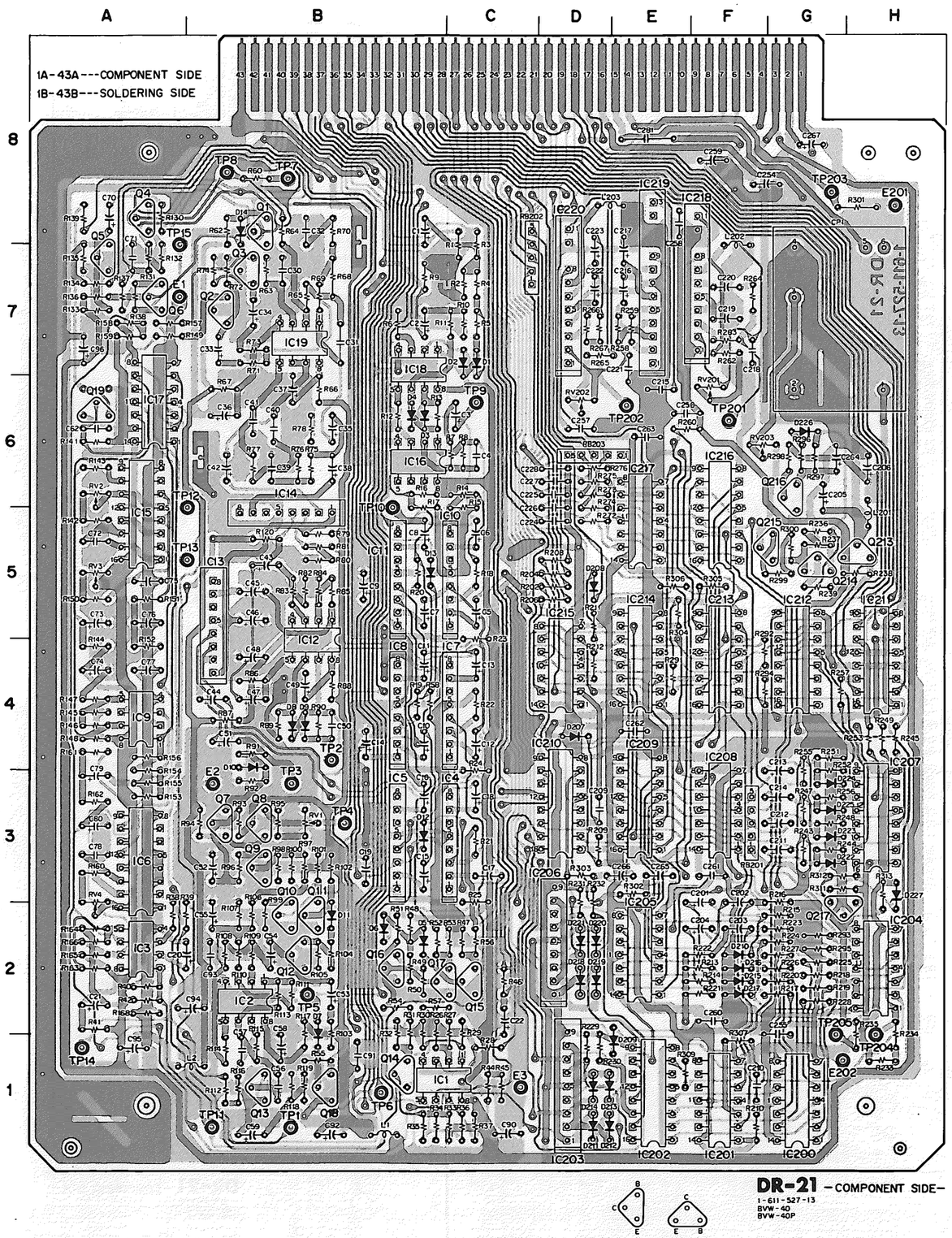
DR-21 (TIME CODE REC PB AMPLIFIER)



CP1	G - 7	Q1	B - 8
		Q2	B - 7
D1	C - 7	Q3	B - 7
D2	C - 7	Q4	A - 8
D3	B - 6	Q5	A - 7
D4	B - 6	Q6	A - 7
D5	B - 2	Q7	B - 3
D6	B - 2	Q8	B - 3
D7	B - 2	Q9	B - 3
D8	B - 4	Q10	B - 2
D9	B - 4	Q11	B - 2
D10	B - 4	Q12	B - 2
D11	B - 2	Q13	B - 1
D12	B - 3	Q14	B - 1
D13	B - 5	Q15	C - 2
D14	B - 8	Q16	B - 2
D207	D - 4	Q17	C - 2
D208	D - 5	Q18	B - 1
D209	E - 1	Q19	A - 6
D210	F - 2	Q213	H - 5
D211	D - 1	Q214	G - 5
D212	D - 1	Q215	G - 5
D213	D - 1	Q216	G - 6
D214	D - 1	Q217	G - 2
D215	F - 2		
D216	F - 2	RB201	F - 3
D217	F - 2	RB202	C - 7
D218	D - 2	RB203	D - 6
D219	D - 2		
D220	D - 2	RV1	B - 3
D221	D - 2	RV2	A - 6
D222	G - 3	RV3	A - 5
D223	G - 3	RV4	A - 3
D224	G - 3	RV201	F - 6
D225	G - 3	RV202	D - 6
D226	G - 6	RV203	F - 6
D227	H - 3		
		TP1	B - 1
E1	A - 7	TP2	B - 4
E2	B - 3	TP3	B - 3
E3	C - 1	TP4	B - 3
E201	H - 8	TP5	B - 2
E202	G - 1	TP6	B - 1
		TP7	B - 8
IC1	C - 1	TP8	B - 8
IC2	B - 2	TP9	C - 6
IC3	A - 2	TP10	B - 6
IC4	C - 3	TP11	B - 1
IC5	B - 3	TP12	B - 6
IC6	A - 3	TP13	B - 5
IC7	C - 4	TP14	A - 1
IC8	B - 4	TP15	A - 7
IC9	A - 4	TP201	F - 6
IC10	C - 5	TP202	E - 6
IC11	B - 5	TP203	G - 8
IC12	B - 5	TP204	H - 2
IC13	B - 5	TP205	G - 2
IC14	B - 5		
IC15	A - 5		
IC16	B - 6		
IC17	A - 6		
IC18	B - 7		
IC19	B - 7		
IC200	G - 1		
IC201	F - 1		
IC202	E - 1		
IC203	D - 1		
IC204	H - 2		
IC205	E - 2		
IC206	D - 2		
IC207	H - 3		
IC208	F - 3		
IC209	E - 3		
IC210	D - 3		
IC211	H - 4		
IC212	G - 4		
IC213	F - 4		
IC214	E - 4		
IC215	D - 4		
IC216	F - 5		
IC217	E - 5		
IC218	F - 7		
IC219	E - 7		
IC220	D - 7		

DR-21 – COMPONENT SIDE –
1-611-527-13
8VW-40
8VW-40P

DR-21 (TAPE/HUMID SENSOR) (MOTOR/SOLENOID DRIVER)

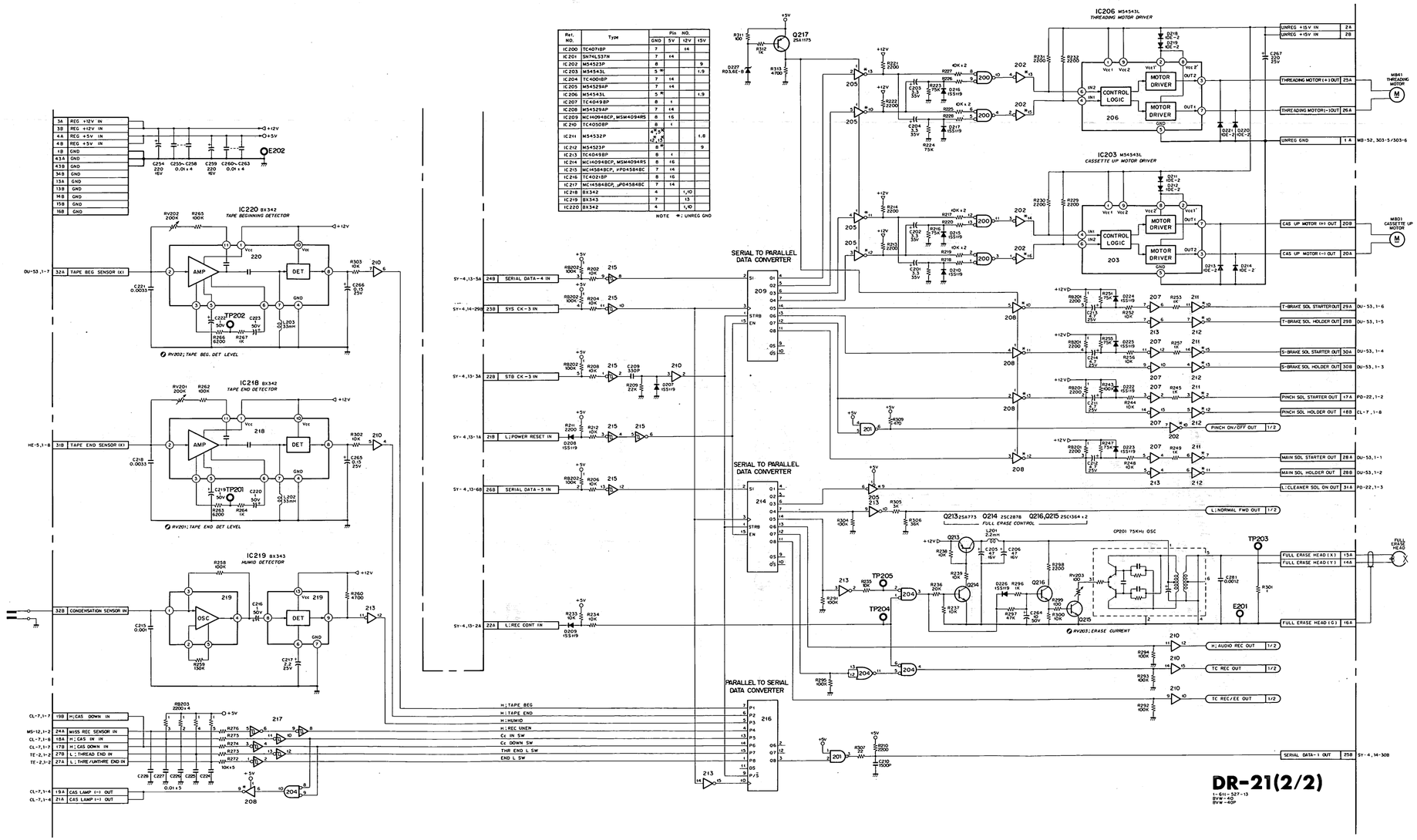


DR-21 –COMPONENT SIDE–

CP1	G - 7	Q1	B - 8
		Q2	B - 7
D1	C - 7	Q3	B - 7
D2	C - 7	Q4	A - 8
D3	B - 6	Q5	A - 7
D4	B - 6	Q6	A - 7
D5	B - 2	Q7	B - 3
D6	B - 2	Q8	B - 3
D7	B - 2	Q9	B - 3
D8	B - 4	Q10	B - 2
D9	B - 4	Q11	B - 2
D10	B - 4	Q12	B - 2
D11	B - 2	Q13	B - 1
D12	B - 3	Q14	B - 1
D13	B - 5	Q15	C - 2
D14	B - 8	Q16	B - 2
D207	D - 4	Q17	C - 2
D208	D - 5	Q18	B - 1
D209	E - 1	Q19	A - 6
D210	F - 2	Q213	H - 5
D211	D - 1	Q214	G - 5
D212	D - 1	Q215	G - 5
D213	D - 1	Q216	G - 6
D214	D - 1	Q217	G - 2
D215	F - 2		
D216	F - 2	RB201	F - 3
D217	F - 2	RB202	C - 7
D218	D - 2	RB203	D - 6
D219	D - 2		
D220	D - 2	RV1	B - 3
D221	D - 2	RV2	A - 6
D222	G - 3	RV3	A - 5
D223	G - 3	RV4	A - 3
D224	G - 3	RV201	F - 6
D225	G - 3	RV202	D - 6
D226	G - 6	RV203	F - 6
D227	H - 3		
		TP1	B - 1
E1	A - 7	TP2	B - 4
E2	B - 3	TP3	B - 3
E3	C - 1	TP4	B - 3
E201	H - 8	TP5	B - 2
E202	G - 1	TP6	B - 1
		TP7	B - 8
IC1	C - 1	TP8	B - 8
IC2	B - 2	TP9	C - 6
IC3	A - 2	TP10	B - 6
IC4	C - 3	TP11	B - 1
IC5	B - 3	TP12	B - 6
IC6	A - 3	TP13	B - 5
IC7	C - 4	TP14	A - 1
IC8	B - 4	TP15	A - 7
IC9	A - 4	TP201	F - 6
IC10	C - 5	TP202	E - 6
IC11	B - 5	TP203	G - 8
IC12	B - 5	TP204	H - 2
IC13	B - 5	TP205	G - 2
IC14	B - 5		
IC15	A - 5		
IC16	B - 6		
IC17	A - 6		
IC18	B - 7		
IC19	B - 7		
IC200	G - 1		
IC201	F - 1		
IC202	E - 1		
IC203	D - 1		
IC204	H - 2		
IC205	E - 2		
IC206	D - 2		
IC207	H - 3		
IC208	F - 3		
IC209	E - 3		
IC210	D - 3		
IC211	H - 4		
IC212	G - 4		
IC213	F - 4		
IC214	E - 4		
IC215	D - 4		
IC216	F - 5		
IC217	E - 5		
IC218	F - 7		
IC219	E - 7		
IC220	D - 7		

DR-21 (2/2)

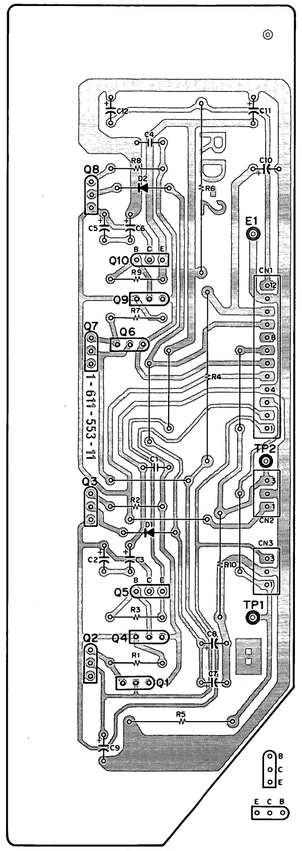
DR-21 (2/2) (TAPE/HUMID SENSOR) (MOTOR/SOLENOID DRIVER)



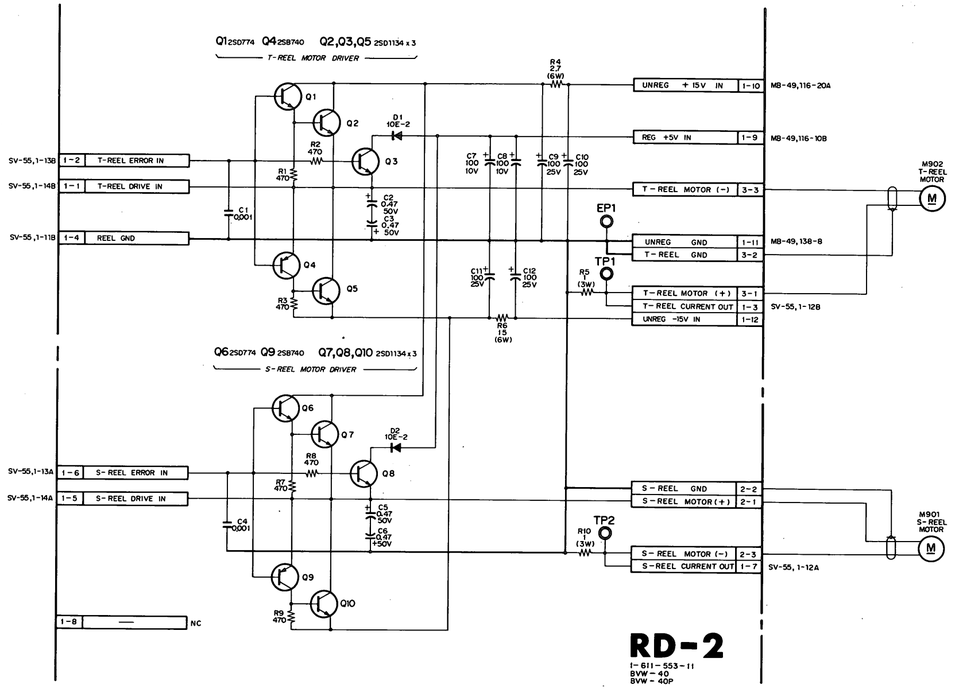
Ref. No.	Type	Pin NO. GND	5V	12V	15V
IC200	TC4071BP	7		14	
IC201	SN74LS37N	7	14		
IC202	M54523P	8			9
IC203	M54543L	5 *			1,9
IC204	TC4001BP	7	14		
IC205	M54529AP	7	14		
IC206	M54543L	5 *			1,9
IC207	TC4049BP	8	1		
IC208	M54529AP	7	14		
IC209	MC14094BCP, MSM4094RS	8	16		
IC210	TC4050BP	8	1		
IC211	M54532P	4 * 12,15			1,8
IC212	M54523P	8 *			9
IC213	TC4049BP	8	1		
IC214	MC14094BCP, MSM4094RS	8	16		
IC215	MC14584BCP, μPD4584BC	7	14		
IC216	TC4021BP	8	16		
IC217	MC14584BCP, μPD4584BC	7	14		
IC218	BX342	4			1,10
IC219	BX343	7			13
IC220	BX342	4			1,10

NOTE *; UNREG GND

RD-2 (REEL MOTOR DRIVER)

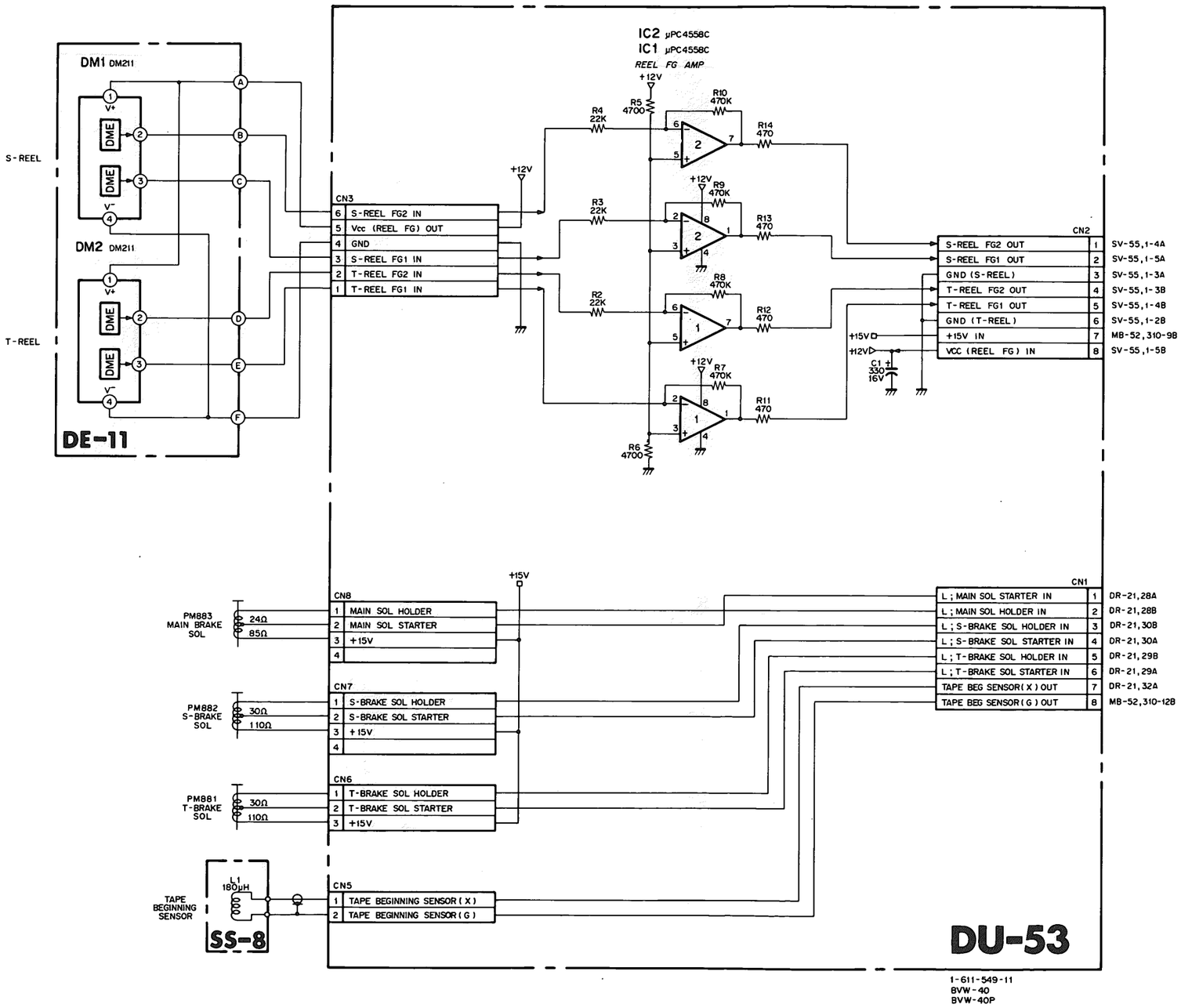


RD-2 -SOLDERING SIDE-
1-611-553-11
8VW-40
8VW-40P

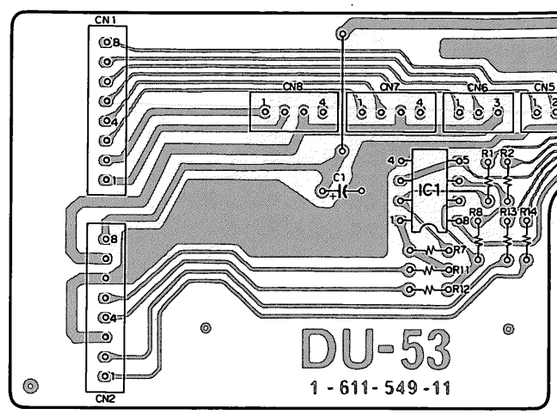


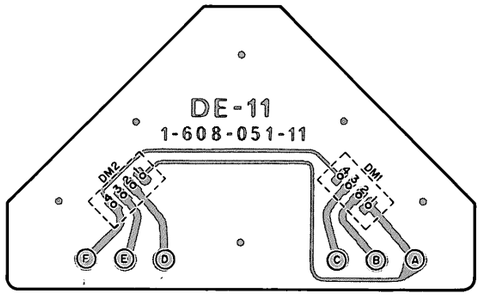
RD-2
1-611-553-11
8VW-40
8VW-40P

DU-53 (REEL FG AMPLIFIER)
DE-11
SS-8

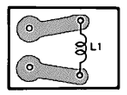


1-611-549-11
BVW-40
BVW-40P



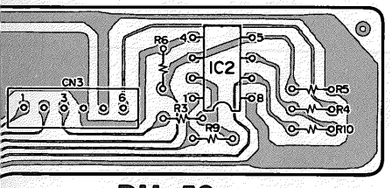


DE-11 -SOLDERING SIDE-
1-608-051-11
BVW-40
BVW-40P

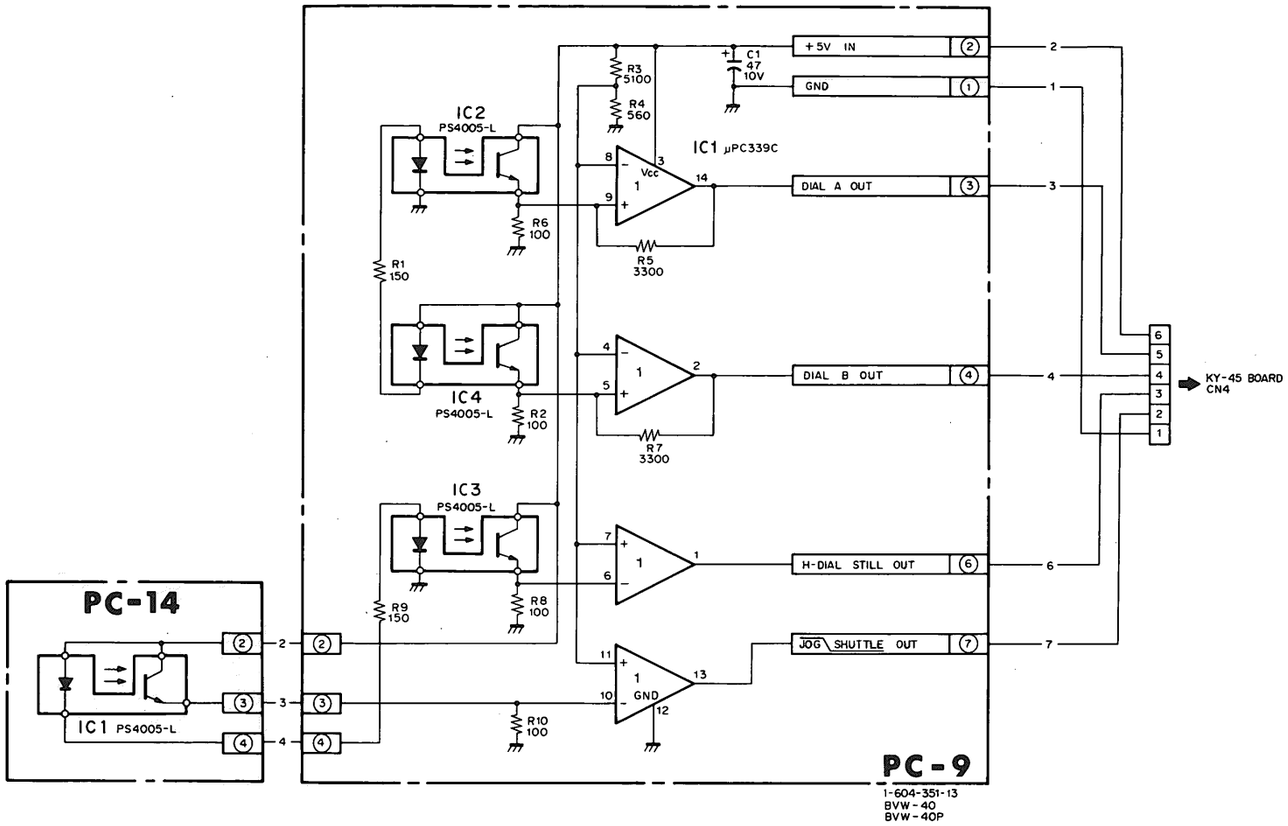


SS-8 -SOLDERING SIDE-
1-586-946-12
BVW-40
BVW-40P

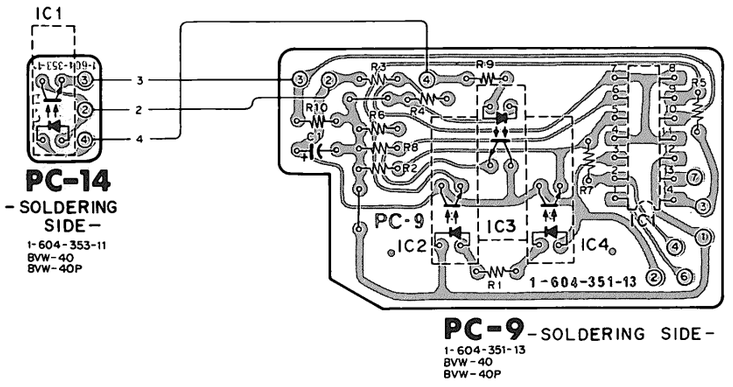
PC-9 (SEARCH DIAL)
PC-14



DU-53 -SOLDERING SIDE-
1-611-549-11
BVW-40
BVW-40P



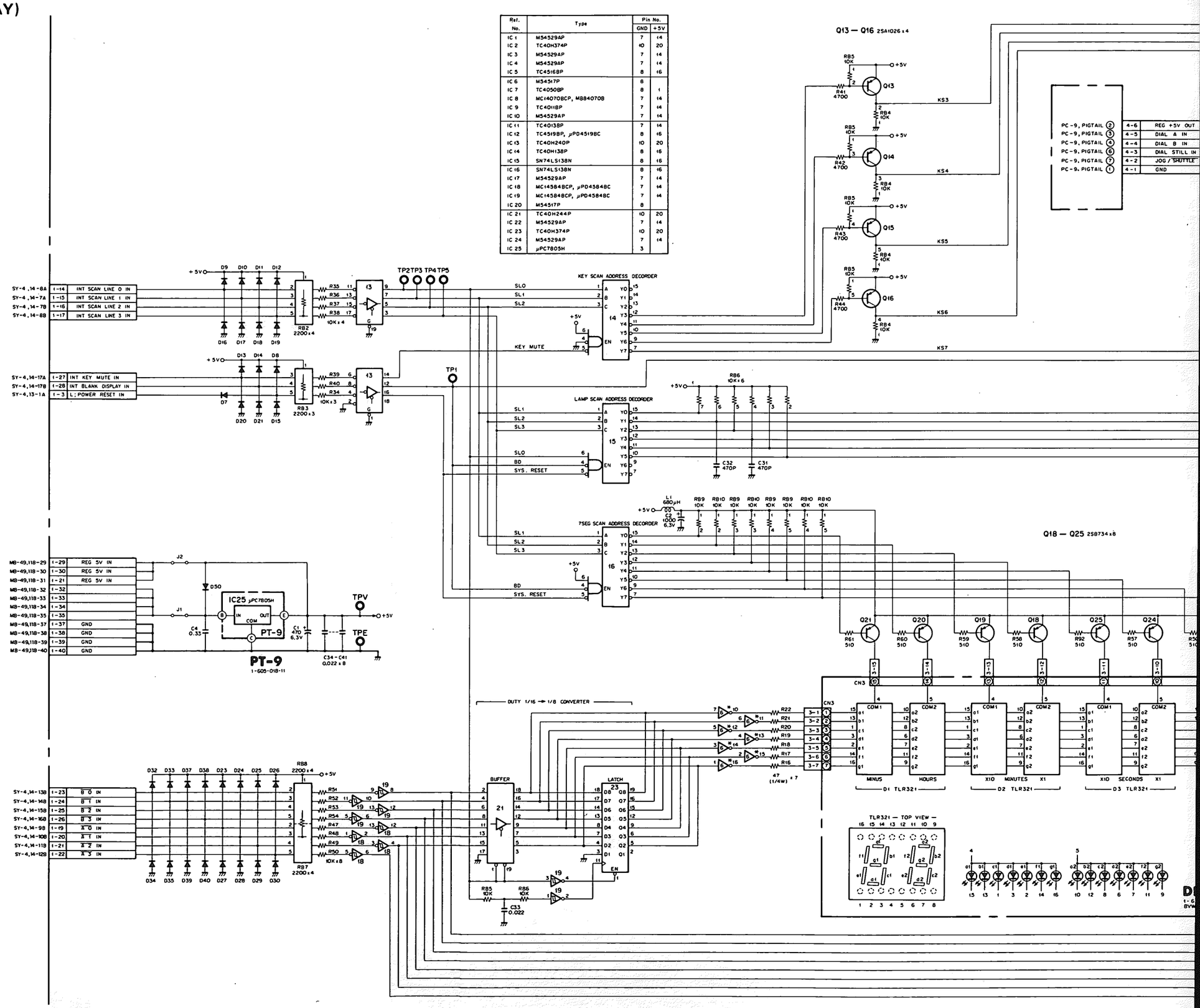
1-604-351-13
BVW-40
BVW-40P



PC-14 - SOLDERING SIDE -
1-604-353-11
BVW-40
BVW-40P

PC-9 - SOLDERING SIDE -
1-604-351-13
BVW-40
BVW-40P

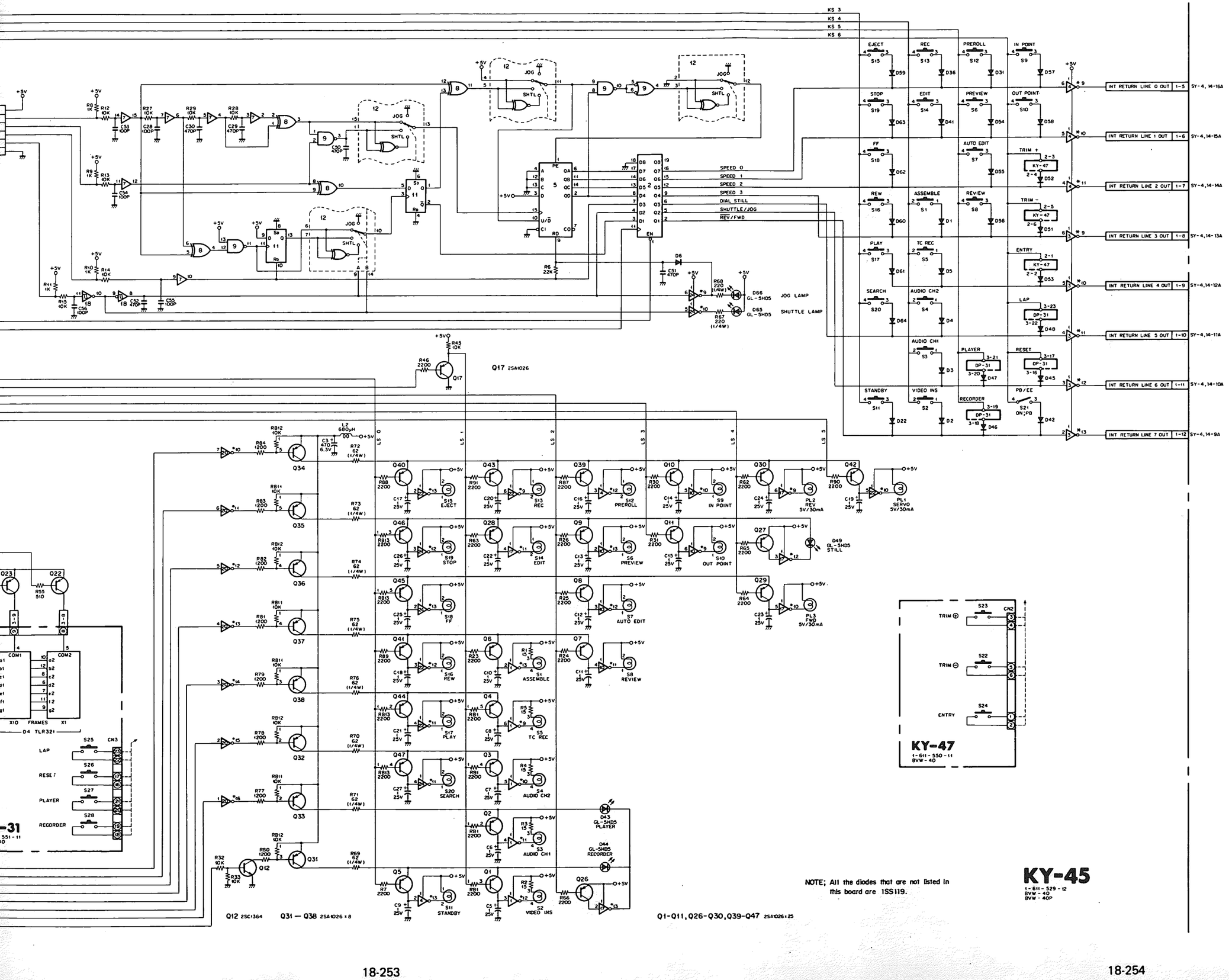
KY-45 (KEY PANEL/TIME COUNTER DISPLAY)
KY-47
DP-31
PT-9



Ref. No.	Type	Pin No. GND	Pin No. +5V
IC 1	M54529AP	7	14
IC 2	TC40H374P	10	20
IC 3	M54529AP	7	14
IC 4	M54529AP	7	14
IC 5	TC4516BP	8	16
IC 6	M54517P	8	
IC 7	TC4050BP	8	1
IC 8	MC14070BCP, MB840708	7	14
IC 9	TC4011BP	7	14
IC 10	M54529AP	7	14
IC 11	TC40138P	7	14
IC 12	TC4519BP, μPD4519BC	8	16
IC 13	TC40H240P	10	20
IC 14	TC40H138P	8	16
IC 15	SN74LS138N	8	16
IC 16	SN74LS138N	8	16
IC 17	M54529AP	7	14
IC 18	MC14584BCP, μPD4584BC	7	14
IC 19	MC14584BCP, μPD4584BC	7	14
IC 20	M54517P	8	
IC 21	TC40H244P	10	20
IC 22	M54529AP	7	14
IC 23	TC40H374P	10	20
IC 24	M54529AP	7	14
IC 25	μPC7805H	3	

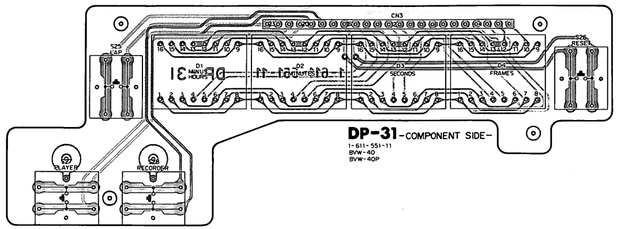
PC-9, PIGTAIL ②	4-6	REG +5V OUT
PC-9, PIGTAIL ③	4-5	DIAL A IN
PC-9, PIGTAIL ④	4-4	DIAL B IN
PC-9, PIGTAIL ⑥	4-3	DIAL STILL IN
PC-9, PIGTAIL ⑦	4-2	JOG / SHUTTLE
PC-9, PIGTAIL ①	4-1	GND

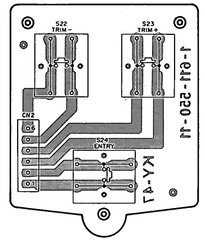
KY-45, KY-47, DP-31, PT-9



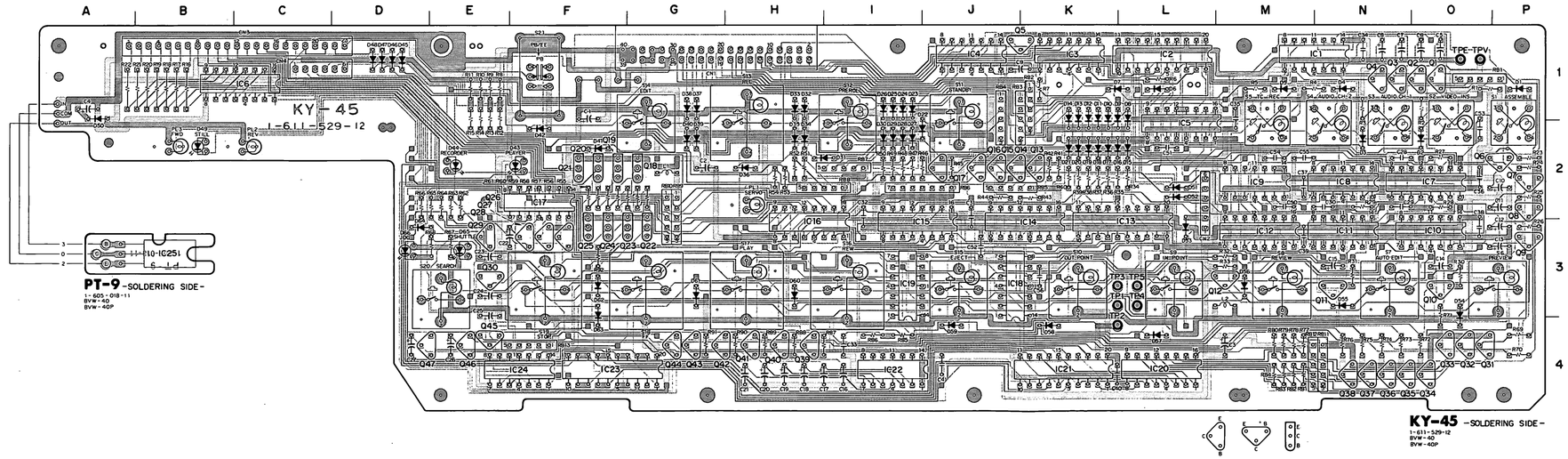
KY-45, KY-47, DP-31, PT-9
KY-45, KY-47, DP-31, PT-9

KY-45 (KEY PANEL/TIME COUNTER DISPLAY)
KY-47
DP-31
PT-9



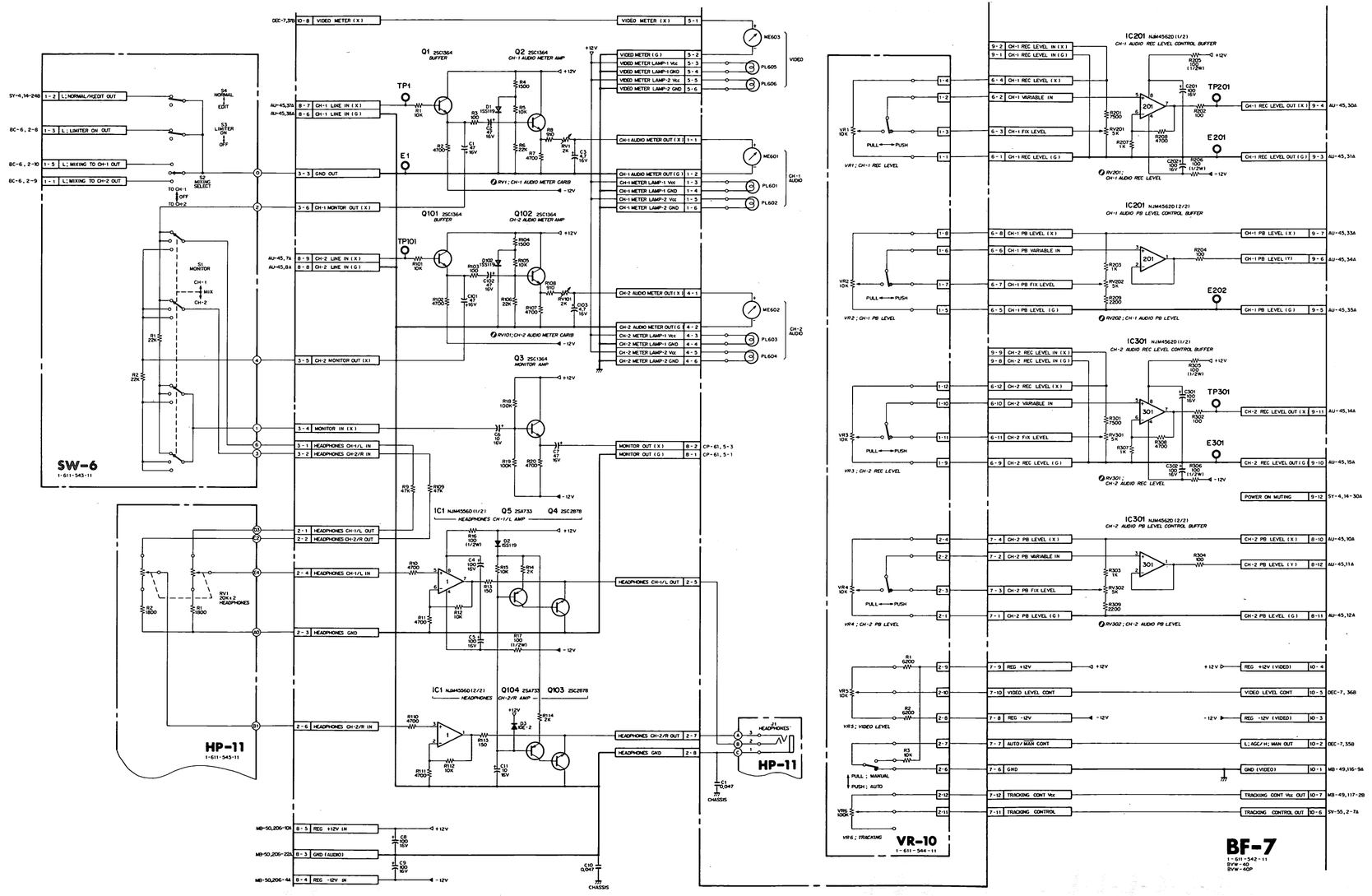


CN1	G – 1	D45	D – 1	Q1	O – 1	RB1	O – 1
CN2	L – 2	D46	D – 1	Q2	O – 1	RB2	K – 1
CN3	C – 1	D47	D – 1	Q3	N – 1	RB3	J – 1
CN4	C – 1	D48	D – 1	Q4	N – 1	RB4	J – 1
		D49	B – 2	Q5	J – 1	RB5	J – 2
D1	P – 1	D50	A – 1	Q6	P – 2	RB6	J – 2
D2	O – 2	D51	L – 2	Q7	P – 2	RB7	I – 2
D3	N – 2	D52	L – 2	Q8	P – 2	RB8	I – 2
D4	N – 1	D53	L – 3	Q9	P – 3	RB9	G – 2
D5	M – 1	D54	O – 3	Q10	O – 3	RB10	G – 2
D6	L – 1	D55	N – 3	Q11	N – 3	RB11	N – 4
D7	K – 1	D56	M – 3	Q12	M – 3	RB12	M – 4
D8	L – 1	D57	L – 4	Q13	K – 2	RB13	F – 4
D9	K – 1	D58	K – 4	Q14	J – 2		
D10	K – 1	D59	J – 4	Q15	J – 2	S1	P – 1
D11	K – 1	D60	H – 3	Q16	J – 2	S2	O – 1
D12	K – 1	D61	G – 3	Q17	J – 2	S3	N – 1
D13	K – 1	D62	F – 3	Q18	G – 2	S4	N – 1
D14	K – 1	D63	F – 4	Q19	F – 2	S5	M – 1
D15	L – 2	D64	D – 3	Q20	F – 2	S6	P – 3
D16	K – 2	D65	E – 3	Q21	F – 2	S7	N – 3
D17	K – 2	D66	D – 3	Q22	G – 3	S8	M – 3
D18	K – 2			Q23	G – 3	S9	L – 3
D19	K – 2	IC1	N – 1	Q24	F – 3	S10	K – 3
D20	K – 2	IC2	L – 1	Q25	F – 3	S11	J – 1
D21	K – 2	IC3	K – 1	Q26	F – 3	S12	I – 1
D22	I – 2	IC4	J – 1	Q27	F – 3	S13	H – 1
D23	I – 1	IC5	L – 2	Q28	F – 3	S14	G – 1
D24	I – 1	IC6	C – 1	Q29	E – 3	S15	J – 3
D25	I – 1	IC7	O – 2	Q30	E – 3	S16	I – 3
D26	I – 1	IC8	N – 2	Q31	O – 4	S17	H – 3
D27	I – 2	IC9	M – 2	Q32	O – 4	S18	G – 3
D28	I – 2	IC10	O – 3	Q33	O – 4	S19	F – 3
D29	I – 2	IC11	N – 3	Q34	O – 4	S20	E – 3
D30	I – 2	IC12	L – 3	Q35	N – 4	S21	F – 1
D31	I – 2	IC13	K – 3	Q36	N – 4		
D32	H – 1	IC14	K – 3	Q37	N – 4	TP1	L – 3
D33	H – 1	IC15	I – 3	Q38	N – 4	TP2	L – 4
D34	H – 2	IC16	H – 3	Q39	H – 4	TP3	L – 3
D35	H – 2	IC17	F – 2	Q40	H – 4	TP4	L – 3
D36	H – 2	IC18	J – 3	Q41	H – 4	TP5	L – 3
D37	G – 1	IC19	I – 3	Q42	G – 4	TPE	O – 1
D38	G – 1	IC20	L – 4	Q43	G – 4	TPV	O – 1
D39	G – 2	IC21	K – 4	Q44	G – 4		
D40	G – 2	IC22	I – 4	Q45	E – 4		
D41	F – 2	IC23	F – 4	Q46	E – 4		
D42	F – 2	IC24	F – 4	Q47	D – 4		
D43	F – 2	IC25	A – 1				
D44	E – 2						

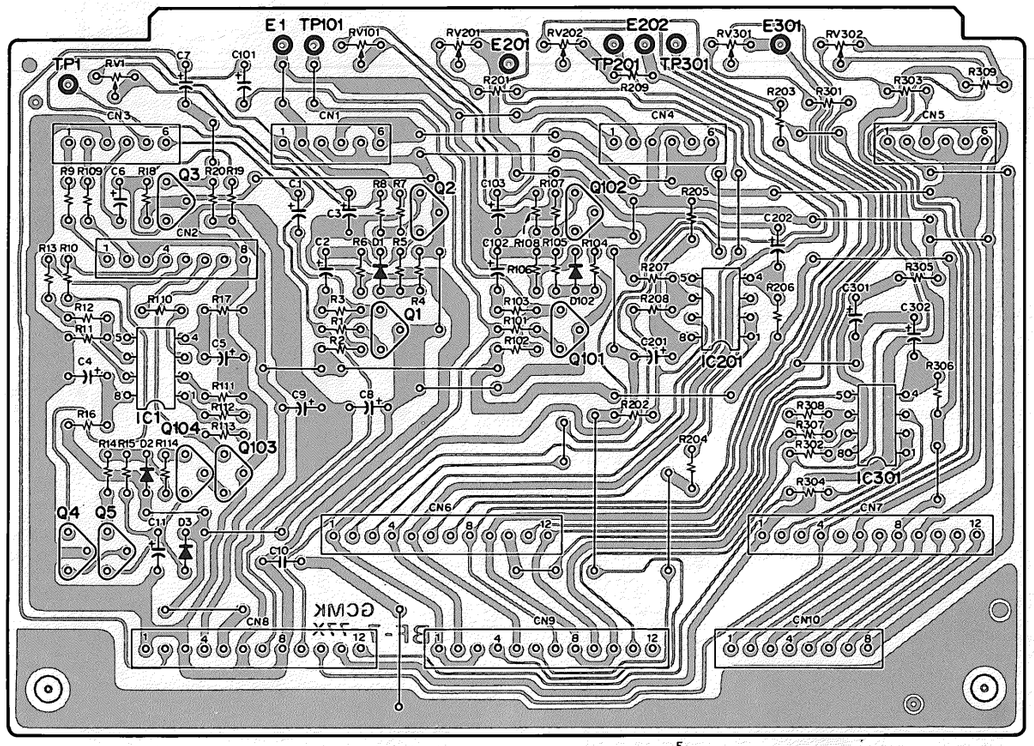


BF-7, HP-11, SW-6, VR-10

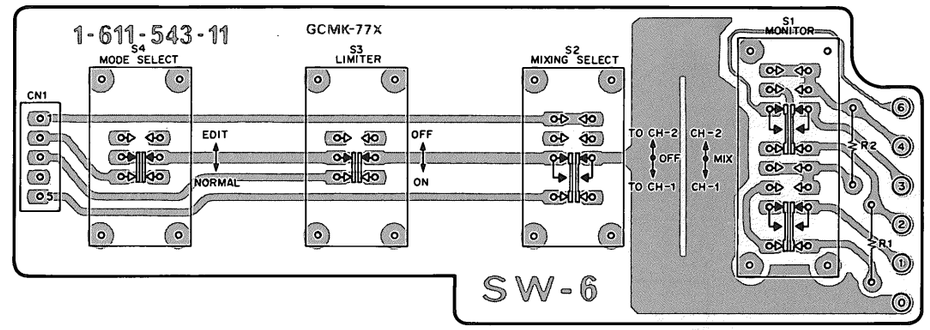
BF-7 (FRONT PANEL)
HP-11
SW-6
VR-10



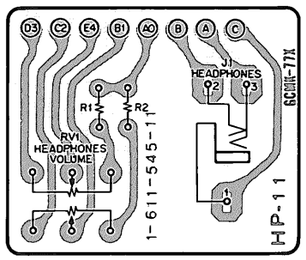
BF-7 (FRONT PANEL)
HP-11
SW-6
VR-10



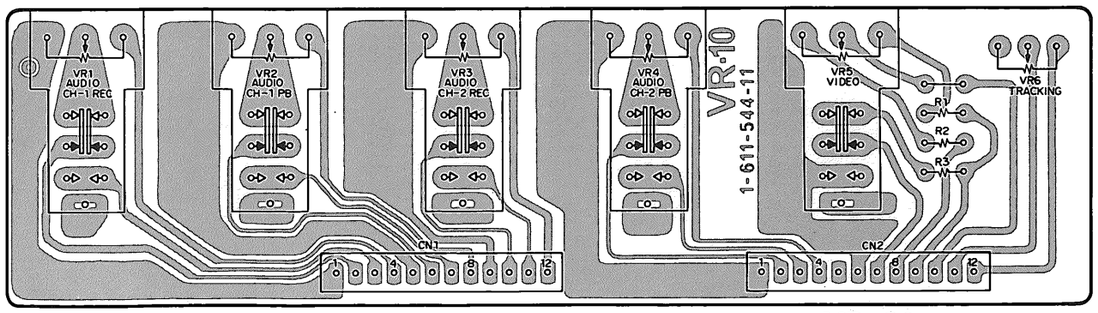
BF-7 – COMPONENT SIDE –
1-611-542-11
BVW-40
BVW-40P



SW-6 – SOLDERING SIDE –
1-611-543-11
BVW-40
BVW-40P

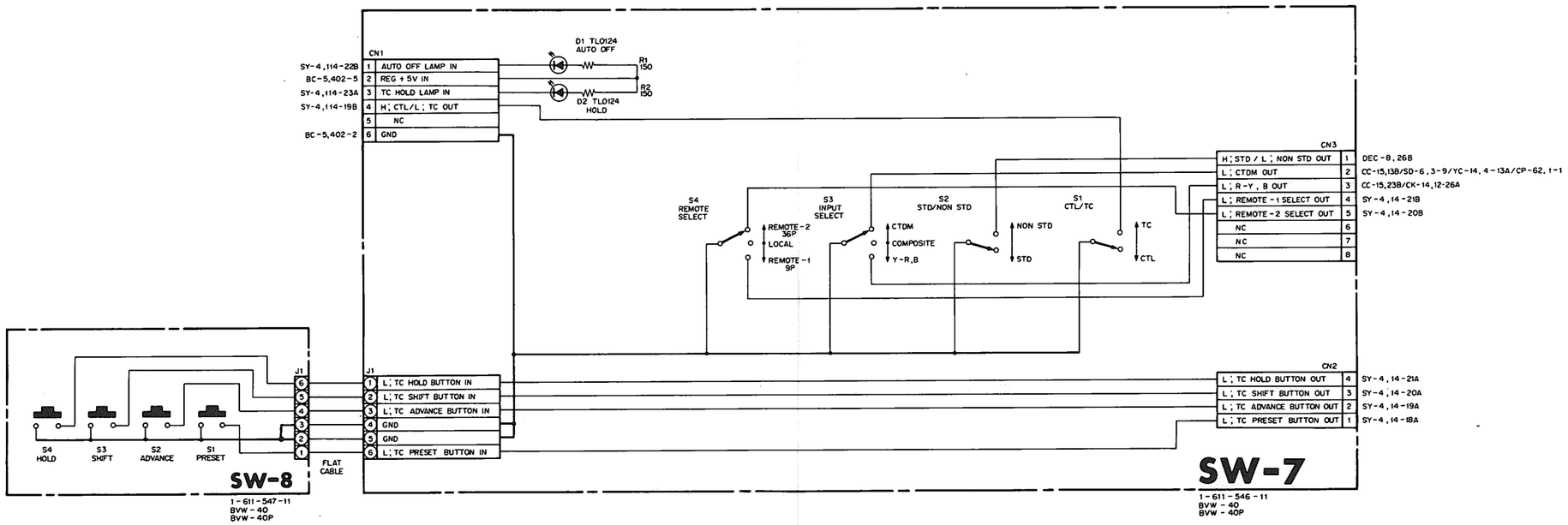


HP-11 – SOLDERING SIDE –
1-611-545-11
BVW-40
BVW-40P

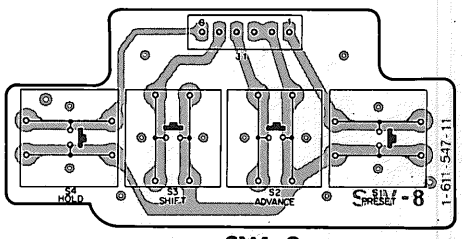


VR-10 – SOLDERING SIDE –
1-611-544-11
BVW-40
BVW-40P

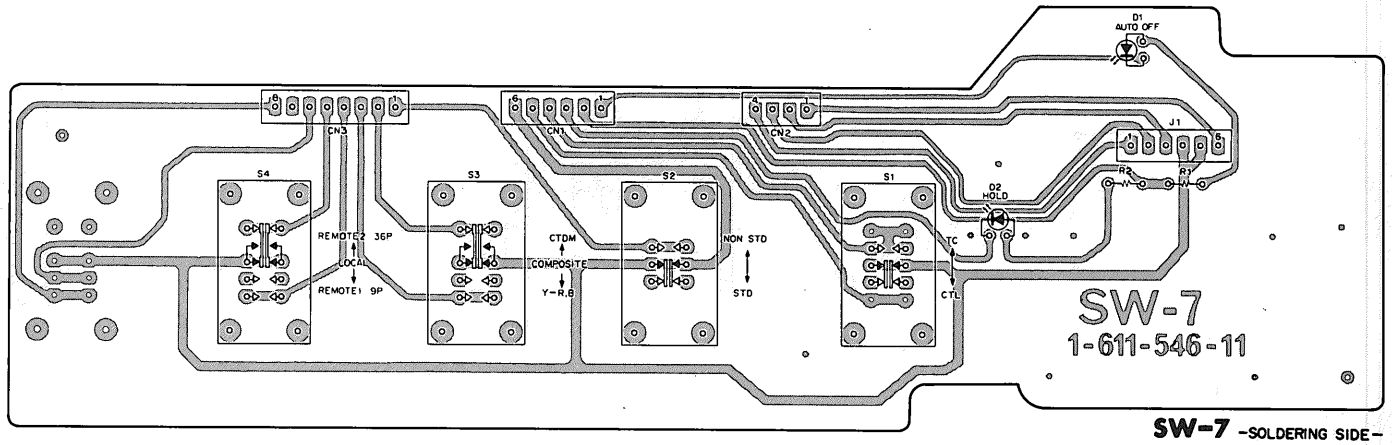
SW-7 (FRONT PANEL)
SW-8



SW-7 (FRONT PANEL)
SW-8

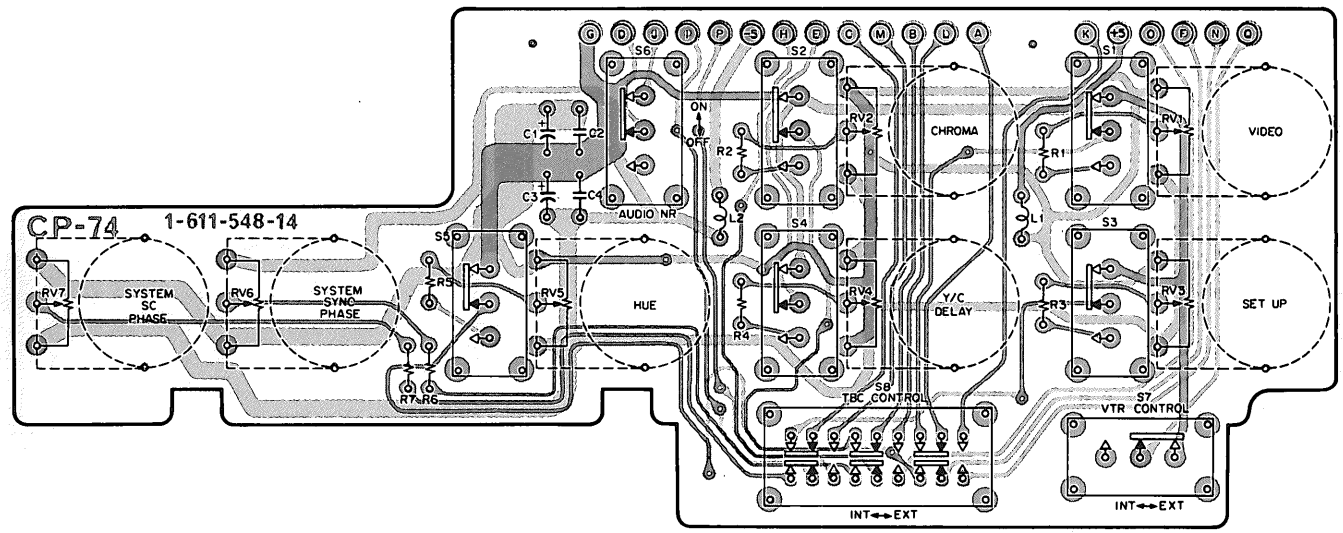


SW-8 -SOLDERING SIDE-
1-611-547-11
BVW-40
BVW-40P



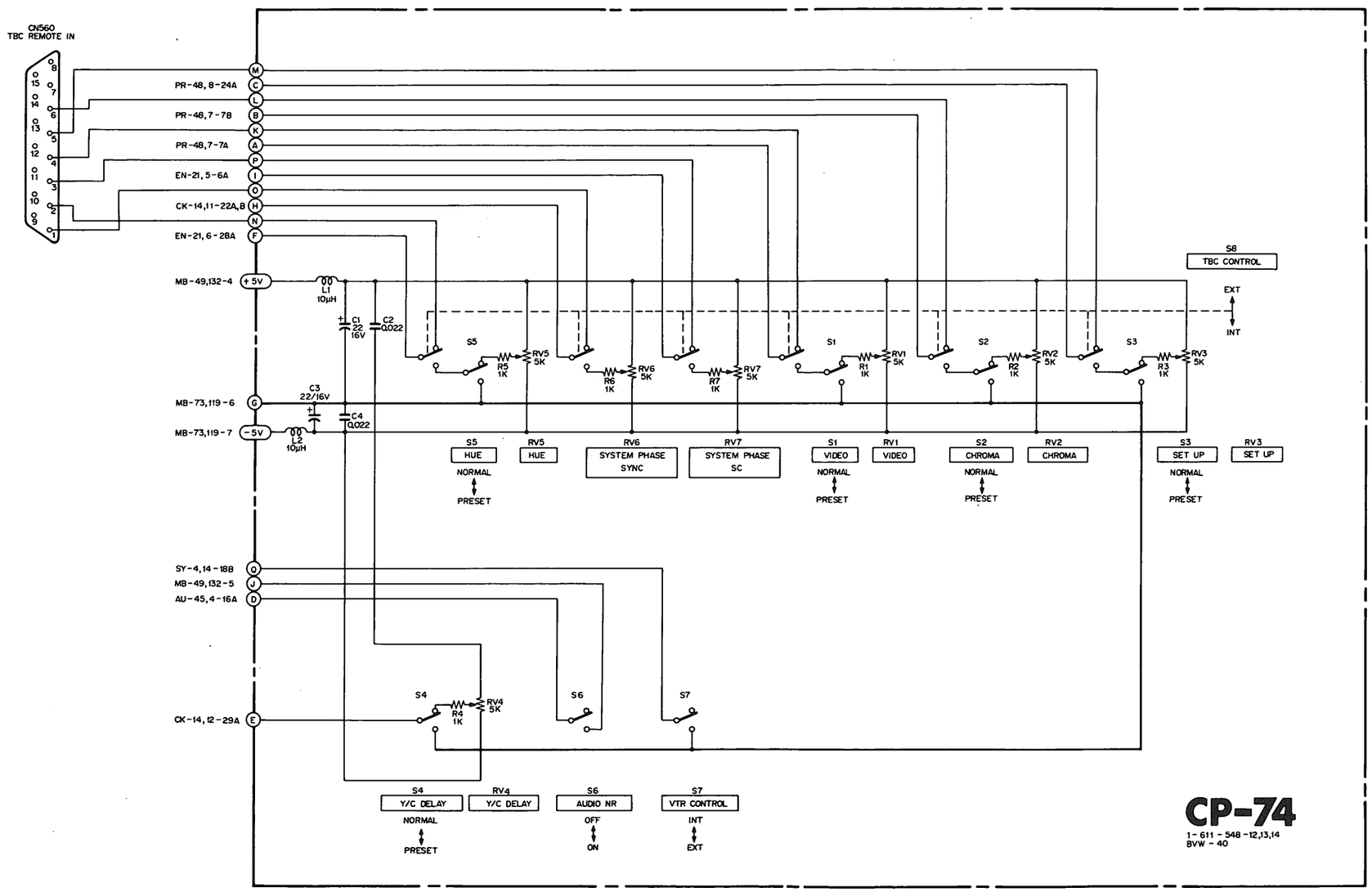
SW-7 -SOLDERING SIDE-
1-611-546-11
BVW-40
BVW-40P

CP-74 (TBC CONTROL PANEL)

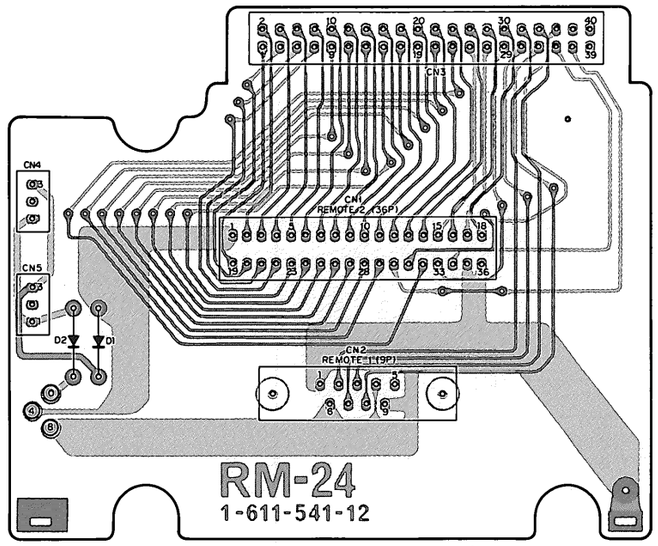


CP-74 –SOLDERING SIDE–
1-611-548-12, 13, 14
BVW-40

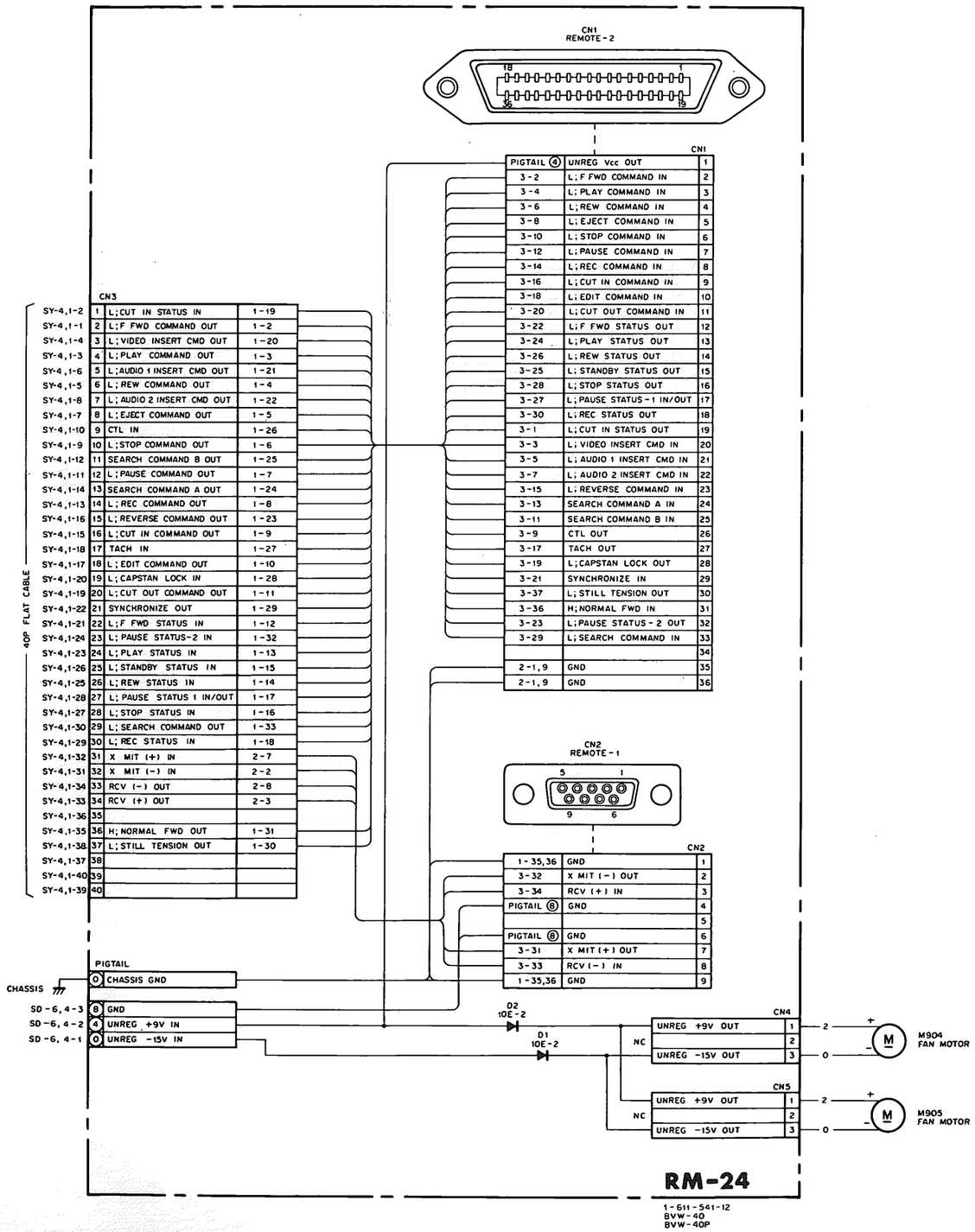
CP-74 (TBC CONTROL PANEL)



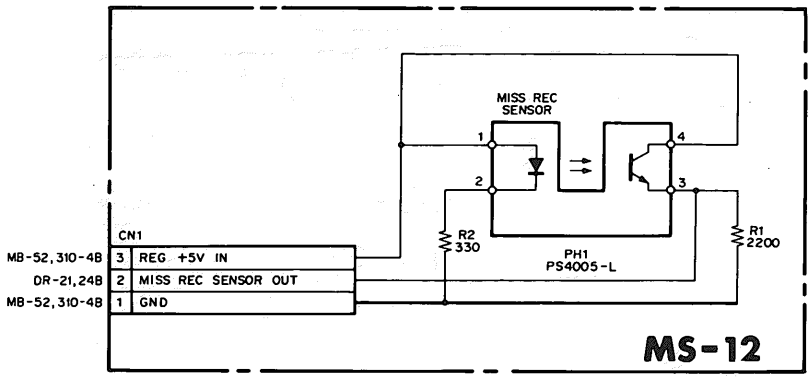
RM-24 (REMOTE CONNECTOR PANEL)



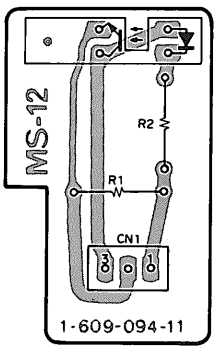
RM-24 -SOLDERING SIDE-
1-611-541-12
8VW-40
8VW-40P



MS-12



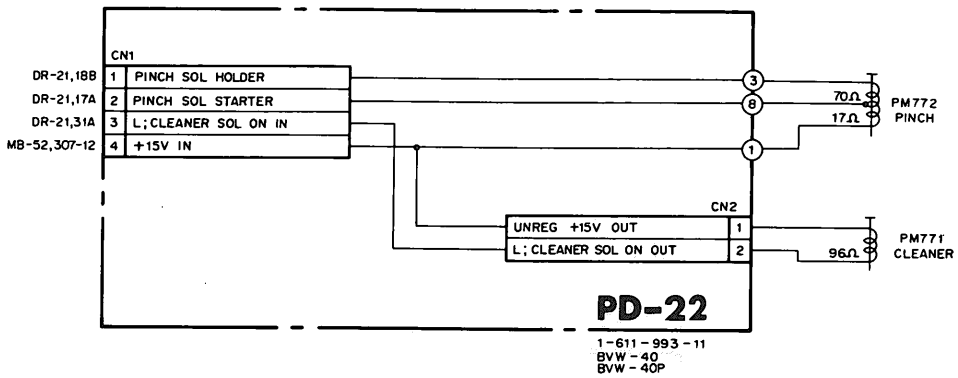
1-609-094-11
BVW-40
BVW-40P

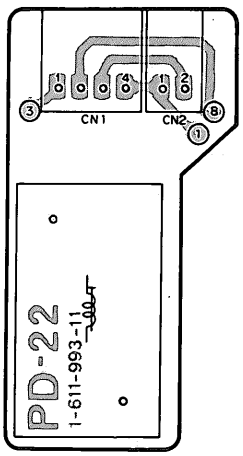


MS-12
-SOLDERING SIDE-

1-609-094-11
BVW-40
BVW-40P

PD-22

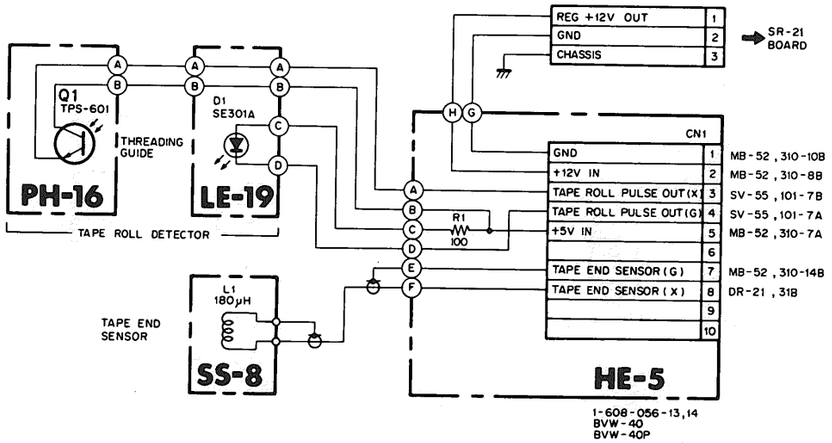


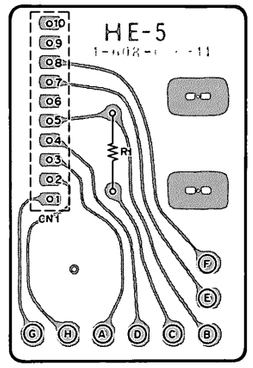


PD-22
-SOLDERING SIDE-
1-611-993-11
BVW-40
BVW-40P

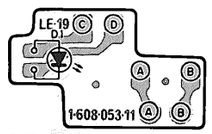
HE-5, LE-19, PH-16, SS-8

HE-5
LE-19
PH-16
SS-8

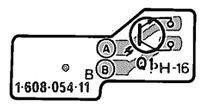




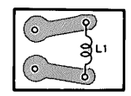
HE-5 -SOLDERING SIDE-
1-608-056-14
BVW-40
BVW-40P



LE-19 -SOLDERING SIDE-
1-608-053-12
BVW-40
BVW-40P

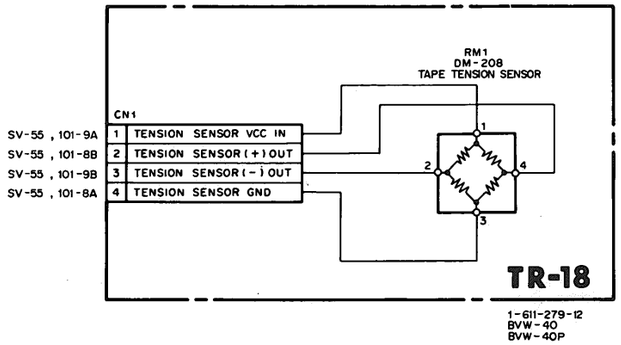


PH-16 -SOLDERING SIDE-
1-608-054-13
BVW-40
BVW-40P

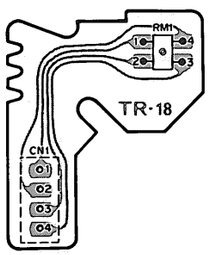


SS-8 -SOLDERING SIDE-
1-586-946-12
BVW-40
BVW-40P

TR-18



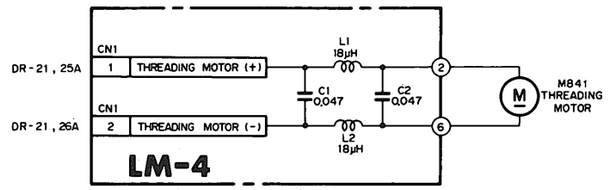
1-611-279-12
BVW-40
BVW-40P



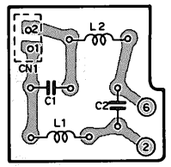
TR-18
-SOLDERING SIDE-

1-611-279-12
BVW-40
BVW-40P

LM-4



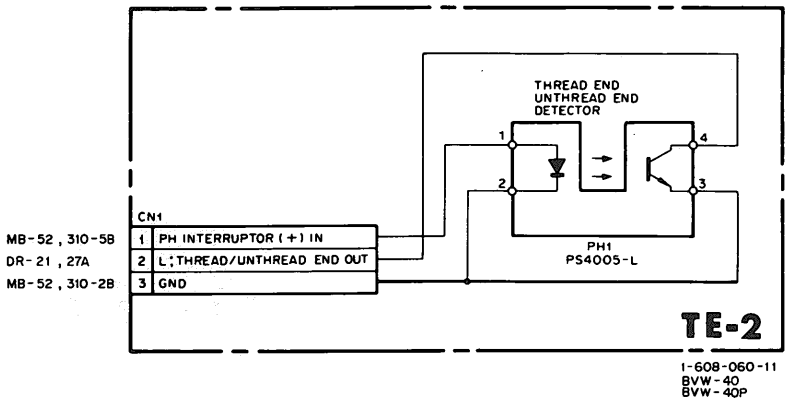
1-585-913-11
BVW-40
BVW-40P



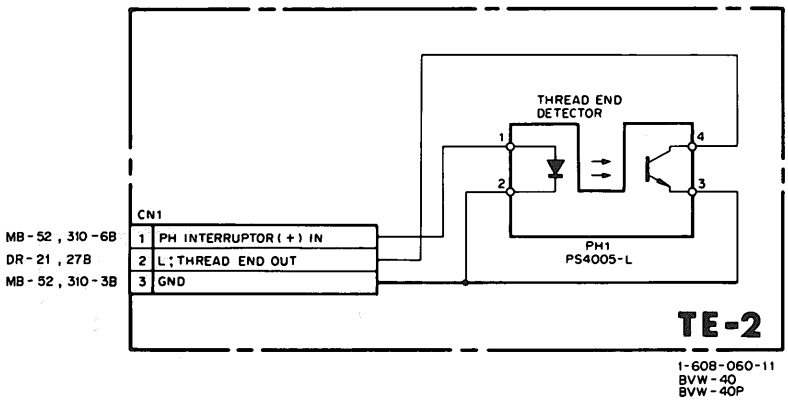
LM-4 -SOLDERING SIDE-

1-585-913-11
BVW-40
BVW-40P

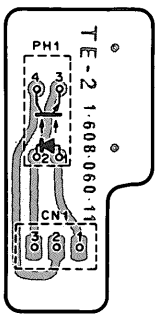
TE-2



1-608-060-11
BVW-40
BVW-40P



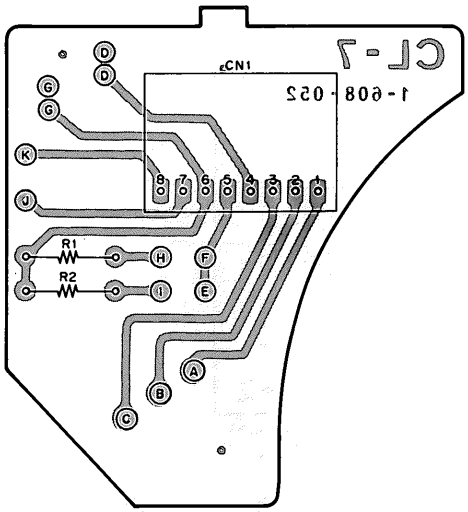
1-608-060-11
BVW-40
BVW-40P



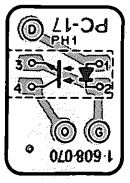
TE-2
-SOLDERING SIDE-

1-608-060-11
BVW-40
BVW-40P

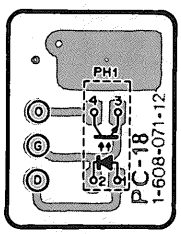
CL-7 (CASSETTE UP COMPARTMENT)
PC-17
PC-18



CL-7 -COMPONENT SIDE-
1-608-052-13
BVW-40
BVW-40P

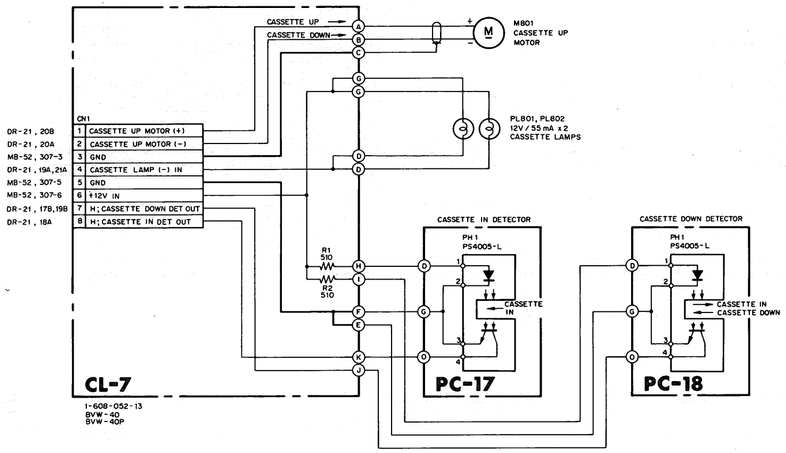


PC-17
-SOLDERING SIDE-
1-608-070-13
BVW-40
BVW-40P

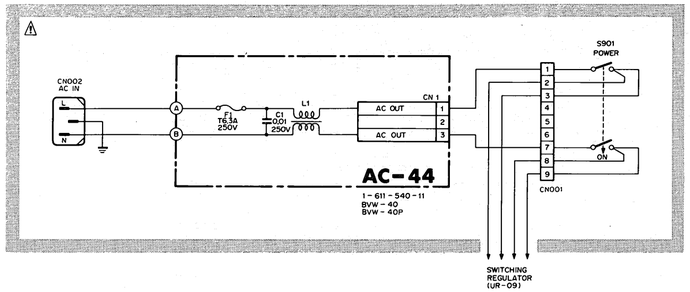


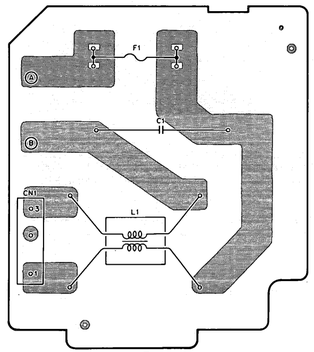
PC-18
- SOLDERING SIDE -
1-608-071-12
BVW-40
BVW-40P

CL-7 (CASSETTE UP COMPARTMENT)
PC-17
PC-18



AC-44 (POWER)

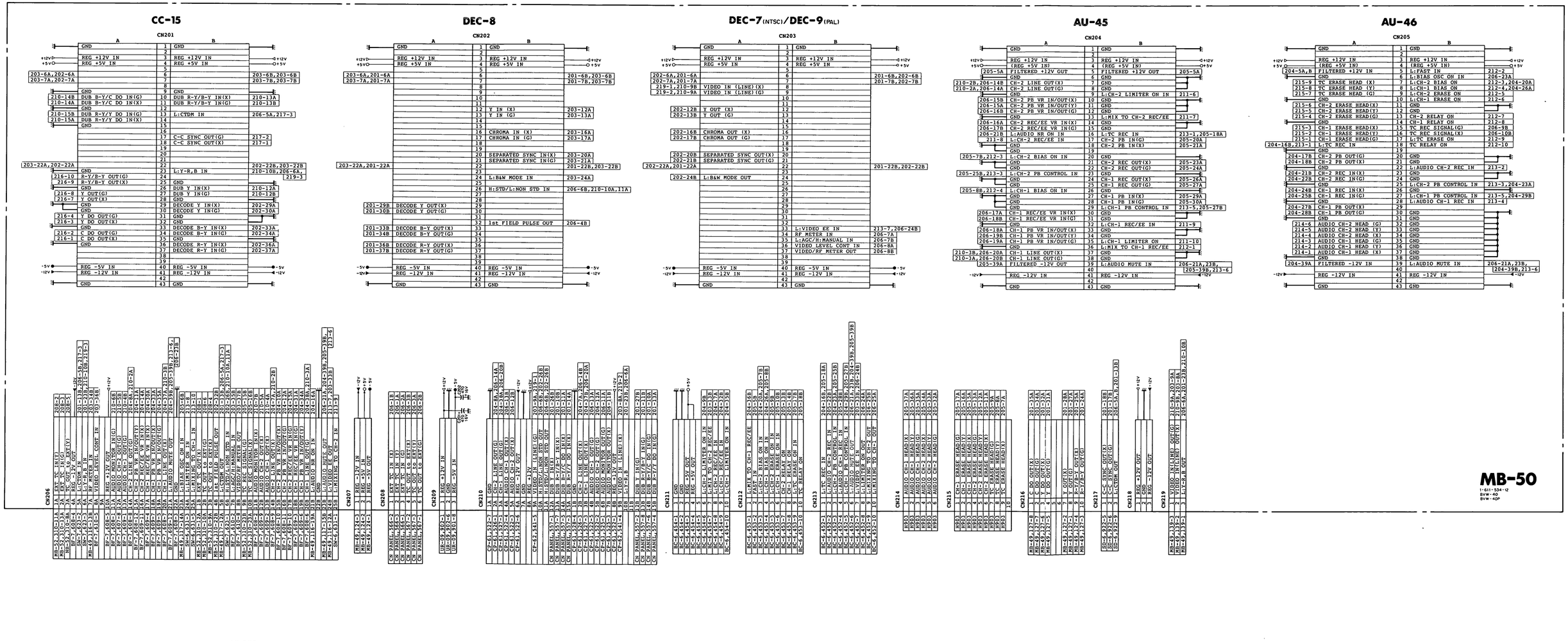




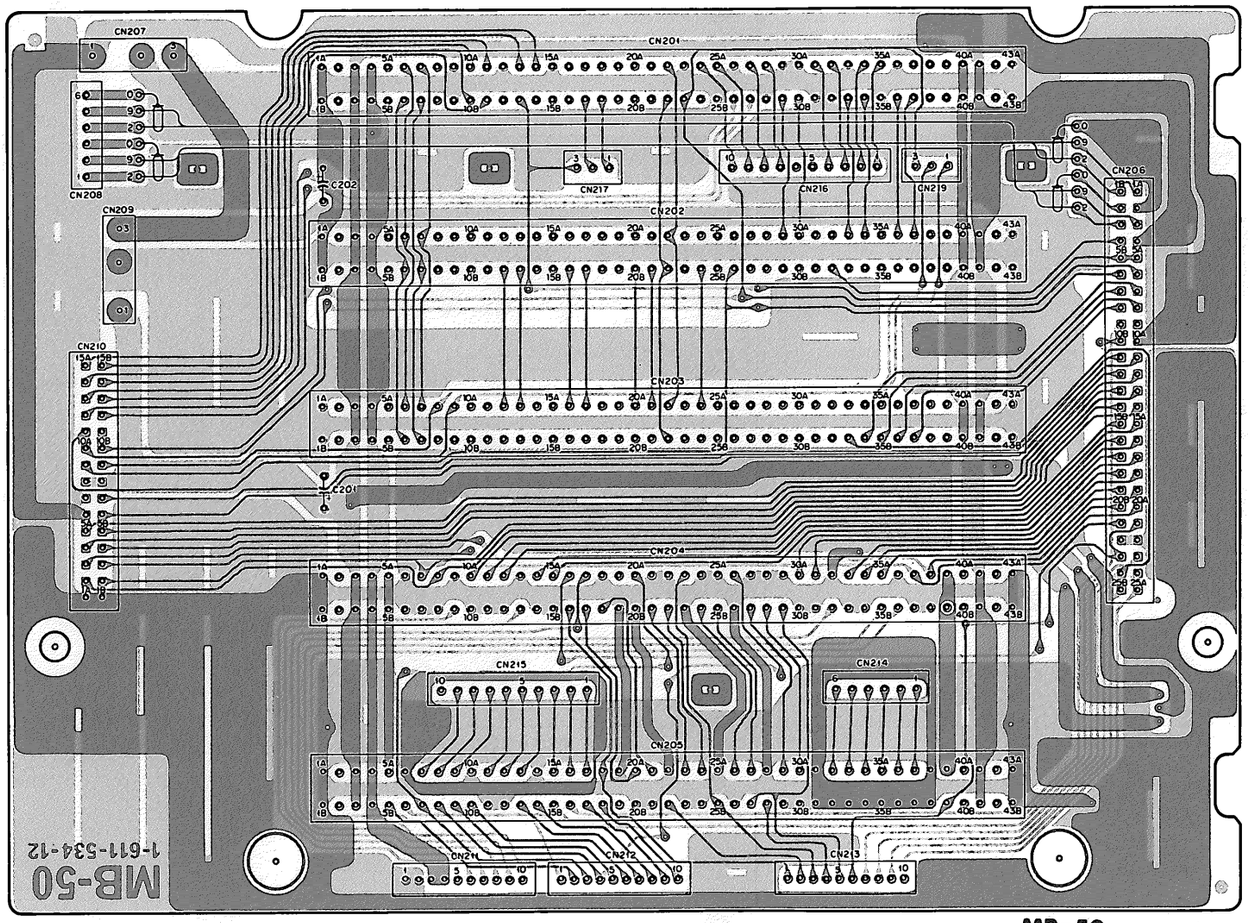
NOTE: The shaded and ⚠-marked components are critical to safety.
Replace only with same components as specified.

MB-50 MB-50

MB-50 (MOTHER BOARD)

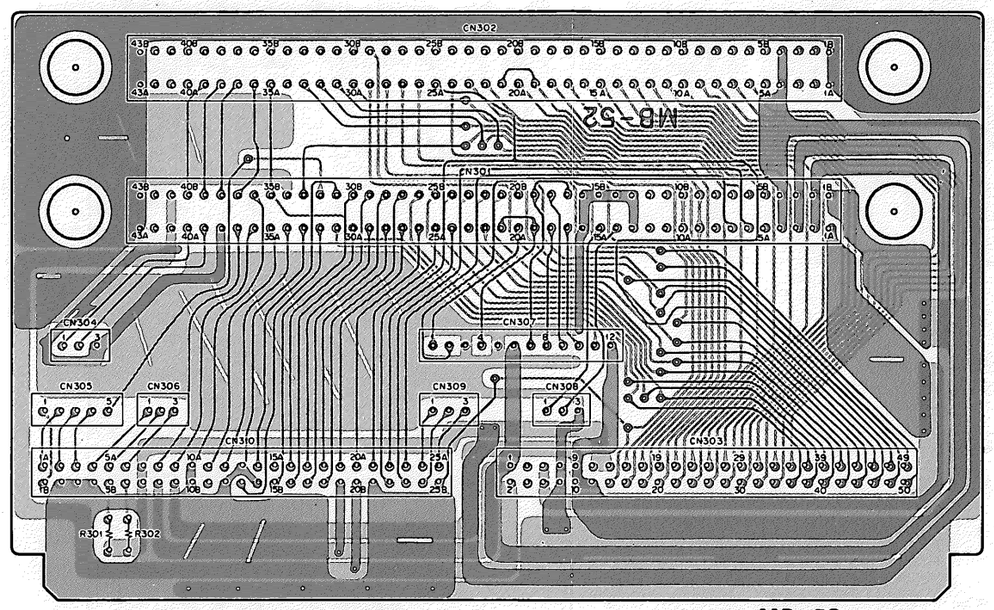


MB-50 (MOTHER BOARD)



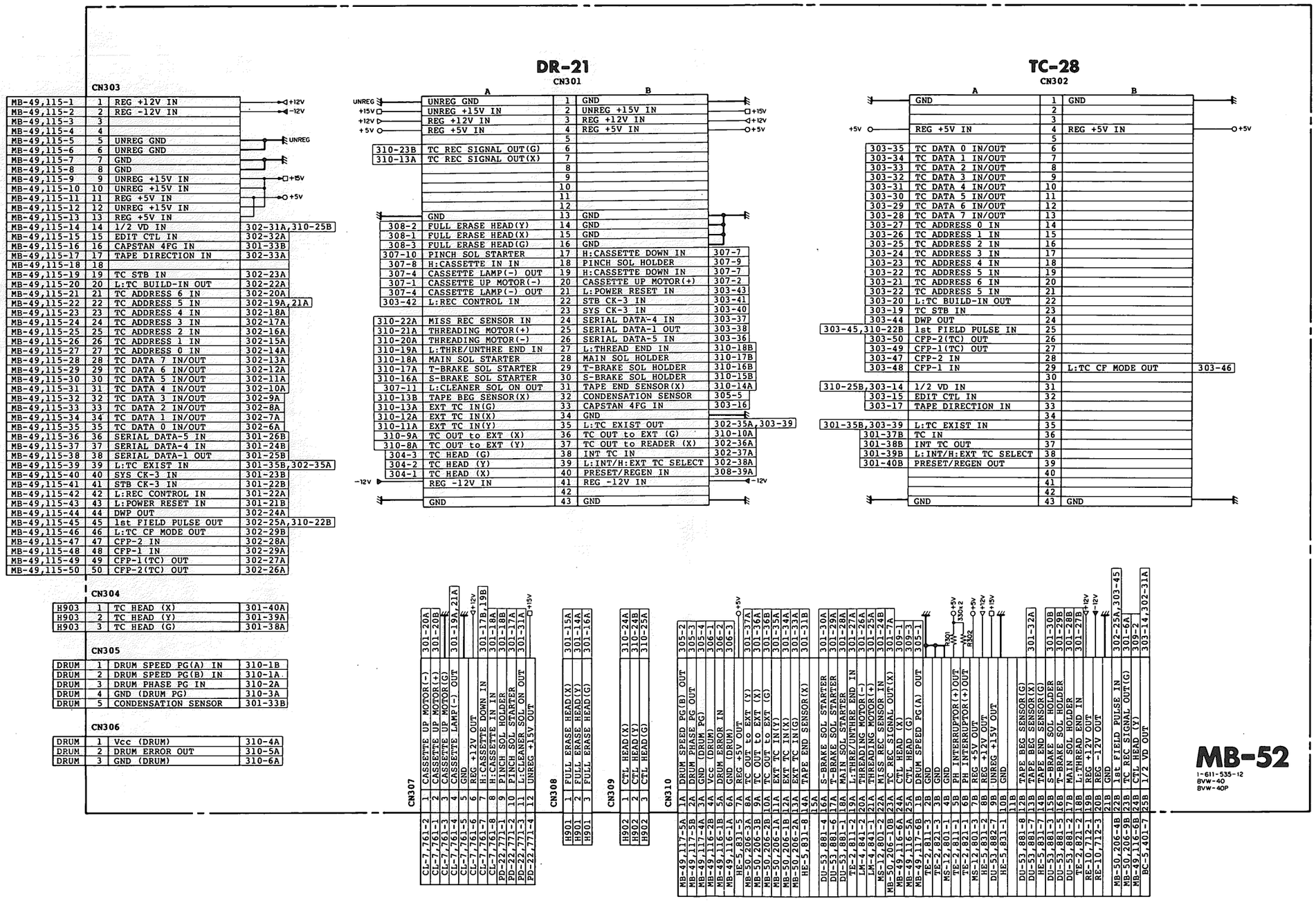
MB-50 - SOLDERING SIDE -
1-611-534-12
BVW-40
BVW-40P

MB-52 (MOTHER BOARD)



MB-52 - SOLDERING SIDE -
1-611-535-12
BVW-40
BVW-40P

MB-52 (MOTHER BOARD)



MB-73 (MOTHER BOARD)

PR-48

CN108

	A		B	
	GND	1	GND	
-11V	REG -11V IN	2	REG -11V IN	-11V
		3		
-12V	REG -12V IN	4	REG -12V IN	-12V
-5V	REG -5V IN	5	REG -5V IN	-5V
110-6A,112-6A	H:NORMAL/L:BID IN	6	CLAMP OFF IN	112-6B
110-7A	CW DATA 2**6 OUT	7	CW DATA 2**7 OUT	110-7B
110-8A	CW DATA 2**4 OUT	8	CW DATA 2**5 OUT	110-8B
110-9A	CW DATA 2**2 OUT	9	CW DATA 2**3 OUT	110-9B
110-10A	CW DATA 2**0 OUT	10	CW DATA 2**1 OUT	110-10B
	GND	11	GND	
		12	CW CK IN	112-12B,110-12B
	GND	13	GND	
110-14A	YW DATA 2**6 OUT	14	YW DATA 2**7 OUT	110-14B
110-15A	YW DATA 2**4 OUT	15	YW DATA 2**5 OUT	110-15B
110-16A	YW DATA 2**2 OUT	16	YW DATA 2**3 OUT	110-16B
110-17A	YW DATA 2**0 OUT	17	YW DATA 2**1 OUT	110-17B
156-3	CLAMP CR	18	GND	
		19	YW CK IN	112-19B,110-19B
110-20A	PB V OUT	20	GND	
112-15A,110-21A	CS DO OUT	21	C PB SYNC OUT	112-15B
112-23A,110-22A	YS DO OUT	22	Y SH IN	112-22A,156-8
154-2	DELAYED TDM-C IN(X)	23	Y PB SYNC OUT	112-23A
154-1	DELAYED TDM-C IN(G)	24	SET UP CONTROL IN	119-3
112-14A	CW CLAMP IN	25	R CLAMP IN	111-2B
153-8	DEMOD'ED Y IN(G)	26	ADVANCED Y IN(G)	153-1
153-5	DEMOD'ED Y IN(X)	27	ADVANCED Y IN(X)	153-3
153-4	R-Y/B-Y IN(G)	28	R-Y/B-Y IN(G)	153-4
153-2	R-Y/B-Y IN(X)	29	R-Y/B-Y IN(X)	153-2
156-1	SPEED	30	SPEED GND	112-28A,156-2

CN107

	A		B	
151-10	TBC R-Y OUT (G)	1	TBC R-Y OUT (G)	151-10
151-9	TBC R-Y OUT (X)	2	TBC R-Y OUT (X)	151-9
151-8	TBC B-Y OUT (G)	3	TBC B-Y OUT (G)	151-8
151-7	TBC B-Y OUT (X)	4	TBC B-Y OUT (X)	151-7
151-6	TBC Y OUT (G)	5	TBC Y OUT (G)	151-6
151-5	TBC Y OUT (X)	6	TBC Y OUT (X)	151-5
119-1	VIDEO CONTROL IN	7	CHROMA CONTROL IN	119-2
	GND	8	GND	
109-7A	DL R CK IN	9	CR 1/2 CK IN	111-9B,109-9B
153-9,109-10A	CR DO OUT	10	R ZERO IN	111-7B,109-7B,152-4
109-11A	YR DATA 2**6 IN	11	YR DATA 2**7 IN	109-11B
109-12A	YR DATA 2**4 IN	12	YR DATA 2**5 IN	109-12B
109-13A	YR DATA 2**2 IN	13	YR DATA 2**3 IN	109-13B
109-14A	YR DATA 2**0 IN	14	YR DATA 2**1 IN	109-14B
	GND	15	GND	
109-16A	B-Y R DATA 2**6 IN	16	B-Y R DATA 2**7 IN	109-16B
109-17A	B-Y R DATA 2**4 IN	17	B-Y R DATA 2**5 IN	109-17B
109-18A	B-Y R DATA 2**2 IN	18	B-Y R DATA 2**3 IN	109-18B
109-19A	B-Y R DATA 2**0 IN	19	B-Y R DATA 2**1 IN	109-19B
	GND	20	GND	
109-21A	R-Y R DATA 2**6 IN	21	R-Y R DATA 2**7 IN	109-21B
109-22A	R-Y R DATA 2**4 IN	22	R-Y R DATA 2**5 IN	109-22B
109-23A	R-Y R DATA 2**2 IN	23	R-Y R DATA 2**3 IN	109-23B
109-24A	R-Y R DATA 2**0 IN	24	R-Y R DATA 2**1 IN	109-24B
	GND	25	GND	
+5V	REG +5V IN	26	REG +5V IN	+5V
		27		
+12V	REG +12V IN	28	REG +12V IN	+12V
+11V	REG +11V IN	29	REG +11V IN	+11V
	GND	30	GND	

MY-17

CN110

	A		B	
	GND	1	GND	
-11V	REG -11V IN	2	REG -11V IN	-11V
		3		
-12V	REG -12V IN	4	REG -12V IN	-12V
-5V	REG -5V IN	5	REG -5V IN	-5V
108-6A,112-6A	H:NORMAL/L:BID IN	6		
108-7A	CW DATA 2**6 IN	7	CW DATA 2**7 IN	108-7B
108-8A	CW DATA 2**4 IN	8	CW DATA 2**5 IN	108-8B
108-9A	CW DATA 2**2 IN	9	CW DATA 2**3 IN	108-9B
108-10A	CW DATA 2**0 IN	10	CW DATA 2**1 IN	108-10B
	GND	11	GND	
112-12A	CW ZERO IN	12	CW CK IN	112-12B,108-12B
	GND	13	GND	
108-14A	YW DATA 2**6 IN	14	YW DATA 2**7 IN	108-14B
108-15A	YW DATA 2**4 IN	15	YW DATA 2**5 IN	108-15B
108-16A	YW DATA 2**2 IN	16	YW DATA 2**3 IN	108-16B
108-17A	YW DATA 2**0 IN	17	YW DATA 2**1 IN	108-17B
	GND	18	GND	
112-19A	YW ZERO IN	19	YW CK IN	112-19B,108-19B
108-20A	PB V IN	20	GND	
112-15A,108-21A	CS DO IN	21	Y COUNT CK IN	112-21B
112-23A,108-22A	YS DO IN	22	L:FRB MODE IN	112-22B
154-5	C DO DET PULSE IN	23		112-23B
153-6	Y DO DET PULSE IN	24		
112-17A	Y COUNT H IN	25	LOAD V OUT (P)	154-8
112-16A	C COUNT H IN	26		
156-6	V SELECT (DT)	27		
156-5	V (DT)	28		
156-4	SKP (DT)	29		
	GND	30	GND	

CN109

	A		B	
	GND	1	GND	
		2		
111-3A	FH IN	3		
111-4A	HD IN	4		
111-5A	VD IN	5	YD BLKG IN	111-5B
153-10,111-6A	FIELD O/E IN	6		
107-9A	DL R CK OUT	7	R ZERO IN	111-7B,107-10B,152-4
	GND	8	GND	
111-9A	YR CK IN	9	CR 1/2CK IN	111-9B,107-9B
153-9,107-10A	CR DO IN	10		
107-11A	YR DATA 2**6 OUT	11	YR DATA 2**7 OUT	107-11B
107-12A	YR DATA 2**4 OUT	12	YR DATA 2**5 OUT	107-12B
107-13A	YR DATA 2**2 OUT	13	YR DATA 2**3 OUT	107-13B
107-14A	YR DATA 2**0 OUT	14	YR DATA 2**1 OUT	107-14B
	GND	15	GND	
107-16A	B-Y R DATA 2**6 OUT	16	B-Y R DATA 2**7 OUT	107-16B
107-17A	B-Y R DATA 2**4 OUT	17	B-Y R DATA 2**5 OUT	107-17B
107-18A	B-Y R DATA 2**2 OUT	18	B-Y R DATA 2**3 OUT	107-18B
107-19A	B-Y R DATA 2**0 OUT	19	B-Y R DATA 2**1 OUT	107-19B
	GND	20	GND	
107-21A	R-Y R DATA 2**6 OUT	21	R-Y R DATA 2**7 OUT	107-21B
107-22A	R-Y R DATA 2**4 OUT	22	R-Y R DATA 2**5 OUT	107-22B
107-23A	R-Y R DATA 2**2 OUT	23	R-Y R DATA 2**3 OUT	107-23B
107-24A	R-Y R DATA 2**0 OUT	24	R-Y R DATA 2**1 OUT	107-24B
	GND	25	GND	
+5V	REG +5V IN	26	REG +5V IN	+5V
		27		
		28		
+11V	REG +11V IN	29	REG +11V IN	+11V
	GND	30	GND	

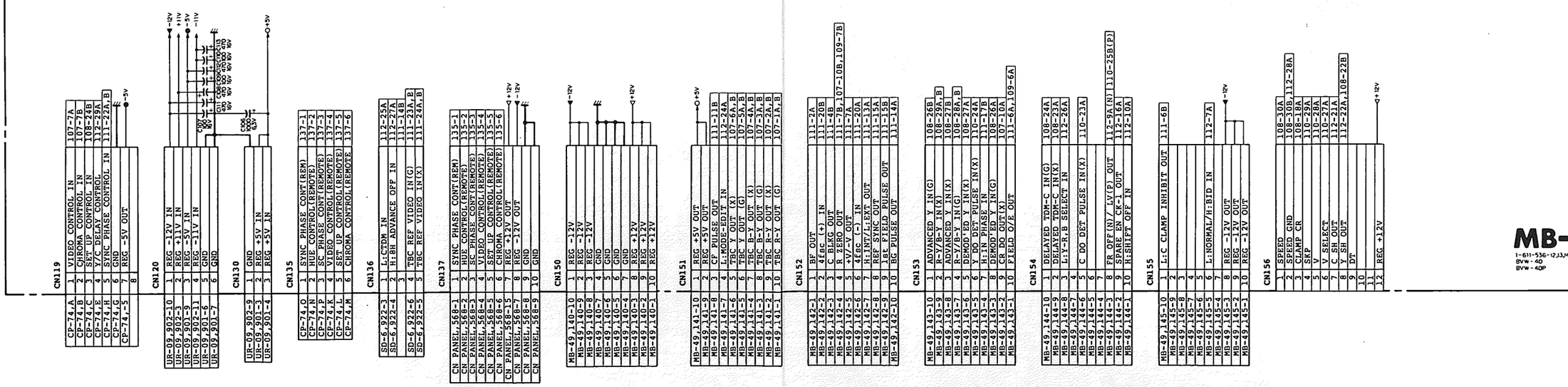
CK-14

CN112

	A		B	
	GND	1	GND	
-11V	REG -11V IN	2	REG -11V IN	-11V
		3		
-12V	REG -12V IN	4	REG -12V IN	-12V
-5V	REG -5V IN	5	REG -5V IN	-5V
110-6A,108-6A	H:NORMAL/L:BID OUT	6	CLAMP OFF OUT	108-6B
155-6	L:NORMAL/H:BID IN	7		
		8		
154-8	L:EN FR OFF OUT (N)	9		
154-8	H:SHIFT OFF IN	10		
	GND	11	GND	
110-12A	CW ZERO OUT	12	CW CK OUT	108-12B,110-12B
	GND	13	GND	
108-25A	CW CLAMP OUT	14		
110-21A,108-21A	CS DO IN	15	C PB SYNC IN	108-21B
110-26A	C COUNT H OUT	16	SPARE EN CK-1 out	154-9
110-25A	Y COUNT H OUT	17		
	GND	18	GND	
110-19A	YW ZERO OUT	19	YW CK OUT	108-19B,110-19B
	GND	20	GND	
156-7	C SH OUT	21	Y COUNT CK OUT	110-21B
156-8,108-22B	Y SH OUT	22	L:FRB MODE OUT	110-22B
110-22A,108-22A	YS DO IN	23	Y PB SYNC IN	108-23B
151-4	L:MODE-EDIT IN	24		110-23B
136-1	L:CTDM IN	25		
154-3	L:Y-R,B IN	26		
136-2	H:BH ADVANCE OFF IN	27		
156-2,108-30B	SPEED GND	28		
119-4	Y/C DELAY CONTROL IN	29		
	GND	30	GND	

CN111

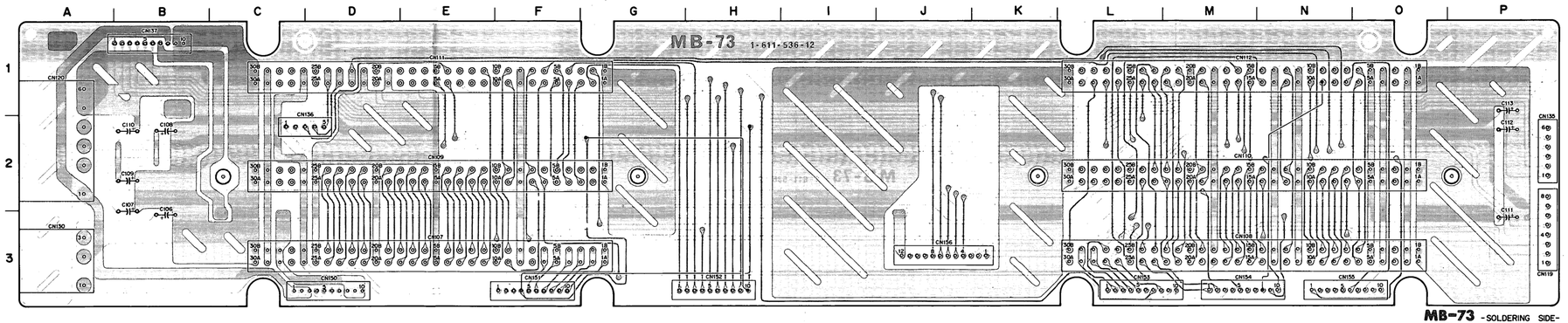
	A		B	
	GND	1	GND	
152-1	BF OUT	2	R CLAMP OUT	108-25B
109-3A	FH OUT	3		
109-4A	HD OUT	4	C BLKG OUT	152-3
109-5A	VD OUT	5	YD BLKG OUT	109-5B
153-10,109-6A	FIELD O/E OUT	6	L:CLAMP INHIBIT OUT	155-1
152-5	+V/-V OUT	7	R ZERO OUT	107-10B,109-7B,152-4
	GND	8	GND	
109-9A	YR CK OUT	9	CR 1/2CK OUT	107-9B,109-9B
		10		
		11	CF PULSE OUT	151-3
		12		
152-7	H:INT/L:EXT OUT	13		
152-10	BG PULSE OUT	14		136-3
152-8	REF SYNC OUT	15	1st FIELD PULSE OUT	152-9
		16		
		17	H:IN PHASE IN	153-7
		18		
	GND	19	GND	
152-6	4fsc(-) IN	20	4fsc(+) IN	152-2
	GND	21	GND	
119-5	SYNC PHASE CONTROL IN	22	SYNC PHASE CONTROL IN	119-5
136-4	TBC REF VIDEO IN(G)	23	TBC REF VIDEO IN(G)	136-4
136-5	TBC REF VIDEO IN(X)	24	TBC REF VIDEO IN(X)	136-5
		25		
+5V	REG +5V IN	26	REG +5V IN	+5V
		27		
		28		
+11V	REG +11V IN	29	REG +11V IN	+11V
	GND	30	GND	



MB-73 (MOTHER BOARD)

S/N 10396 TO 10495 (UC)
S/N 10246 TO 10295 (J)

CN107 E - 3
CN108 M - 3
CN109 E - 2
CN110 M - 2
CN111 E - 1
CN112 M - 1
CN119 P - 3
CN120 A - 2
CN130 A - 3
CN135 P - 2
CN136 C - 2
CN137 B - 1
CN150 D - 3
CN151 F - 3
CN152 H - 3
CN153 L - 3
CN154 M - 3
CN155 N - 3
CN156 J - 3



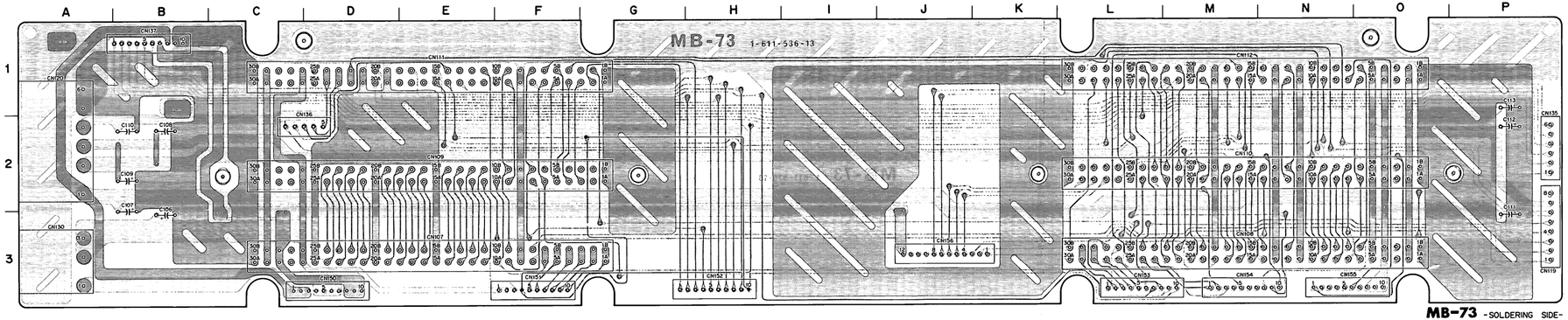
MB-73 -SOLDERING SIDE-
1-611-536-12
BVW-40
BVW-40P

MB-73 MB-73

MB-73 (MOTHER BOARD)

S/N 10496 TO 10845 (UC)

CN107 E - 3
CN108 M - 3
CN109 E - 2
CN110 M - 2
CN111 E - 1
CN112 M - 1
CN119 P - 3
CN120 A - 2
CN130 A - 3
CN135 P - 2
CN136 C - 2
CN137 B - 1
CN150 D - 3
CN151 F - 3
CN152 H - 3
CN153 L - 3
CN154 M - 3
CN155 N - 3
CN156 J - 3

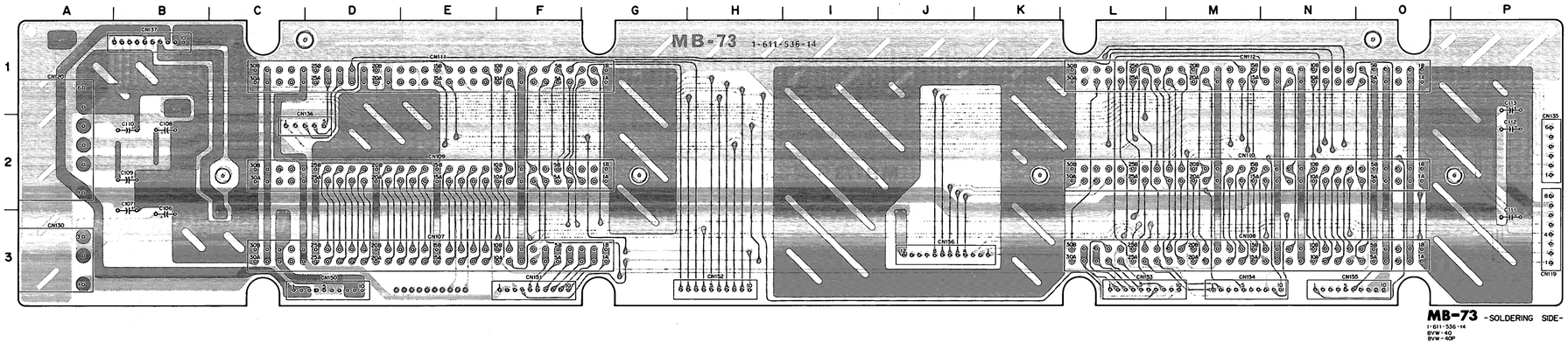


MB-73 -SOLDERING SIDE-
1-611-536-13
BVW-40
BVW-40P

MB-73 (MOTHER BOARD)

S/N 10846 AND LATER (UC)
S/N 10296 AND LATER (J)

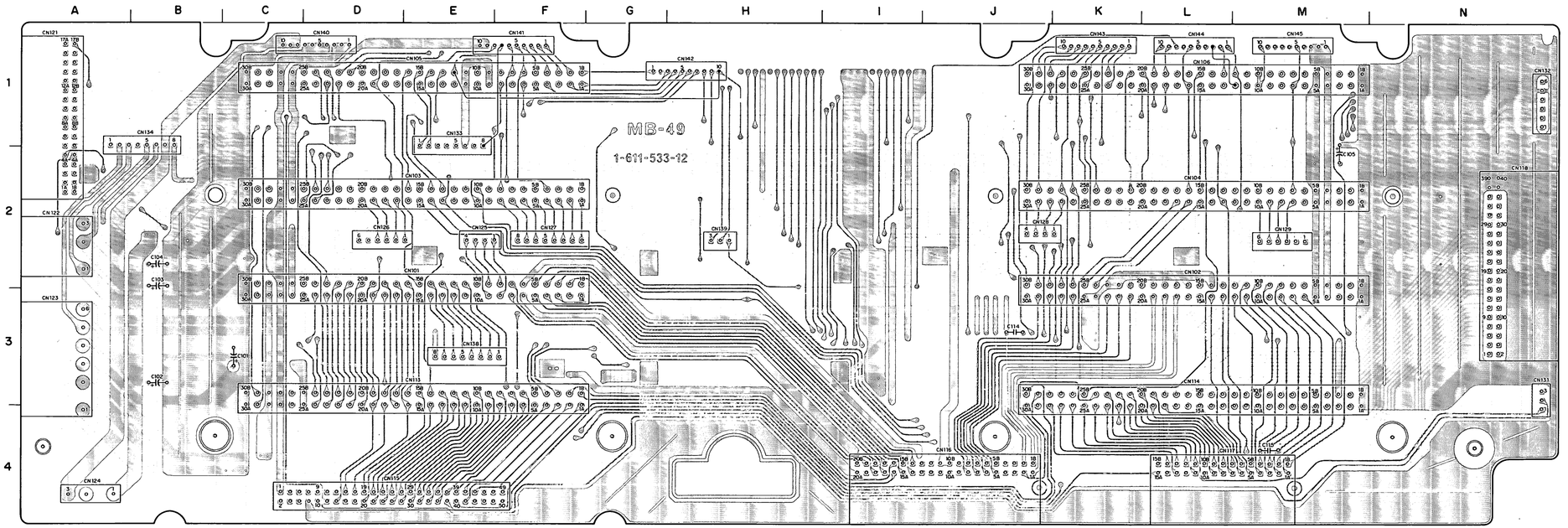
CN107 E - 3
CN108 M - 3
CN109 E - 2
CN110 M - 2
CN111 E - 1
CN112 M - 1
CN119 P - 3
CN120 A - 2
CN130 A - 3
CN135 P - 2
CN136 C - 2
CN137 B - 1
CN150 D - 3
CN151 F - 3
CN152 H - 3
CN153 L - 3
CN154 M - 3
CN155 N - 3
CN156 J - 3



MB-73 -SOLDERING SIDE-
1-611-536-14
BVW-40
BVW-40P

MB-49 (MOTHER BOARD)

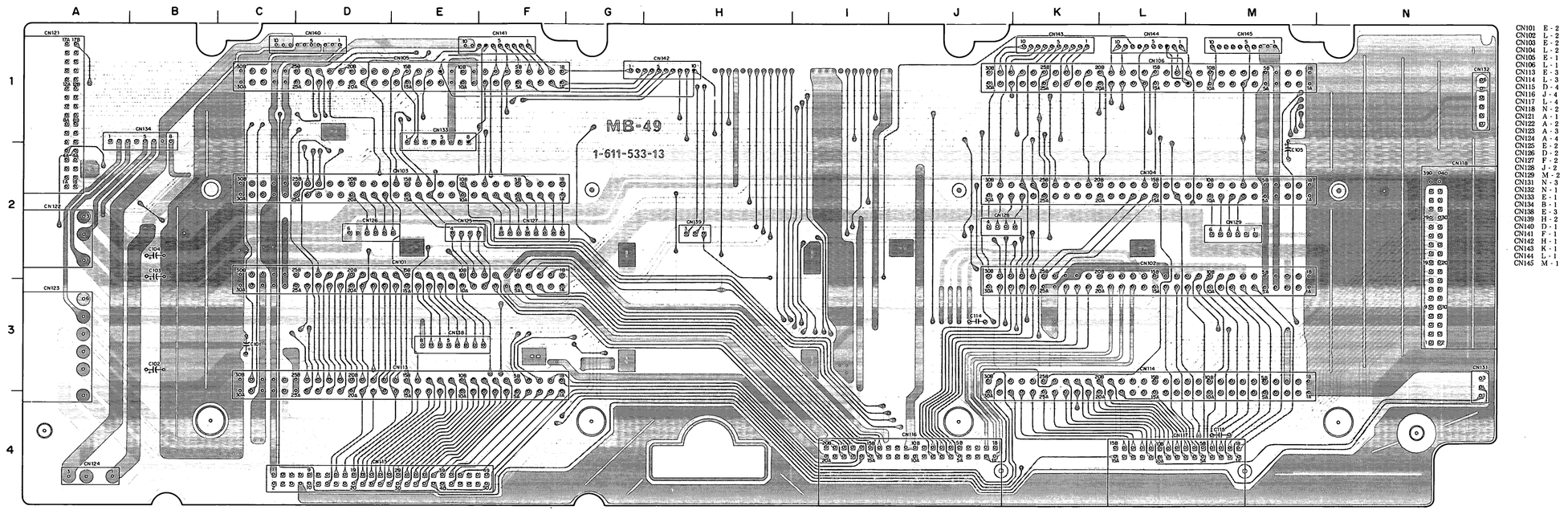
S/N 10396 TO 10495 (UC)
S/N 10246 TO 10295 (J)



MB-49 -SOLDERING SIDE-
1-611-533-12
BVW-40
BVW-40P

MB-49 (MOTHER BOARD)

S/N 10496 TO 10845 (UC)

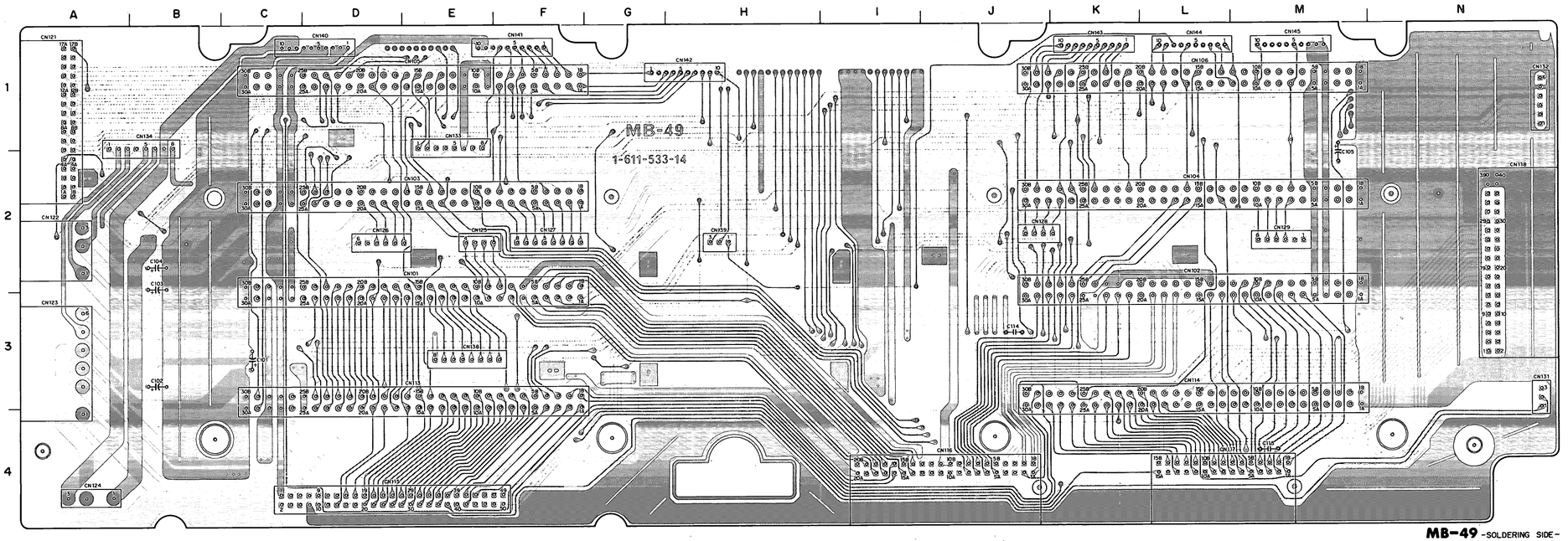


MB-49 -SOLDERING SIDE-
1-611-533-13
BVW-40
BVW-40P

MB-49 MB-49

MB-49 (MOTHER BOARD)

S/N 10846 AND LATER (UC)
S/N 10296 AND LATER (J)



MB-49 -SOLDERING SIDE-
1-611-533-14
BVW-40
BVW-40P

MB-49 (MOTHER BOARD)

CN115

MB-52,303-1	1	REG +12V	
MB-52,303-2	2	REG -12V	
MB-52,303-3	3		
MB-52,303-4	4		
MB-52,303-5	5	UNREG GND	
MB-52,303-6	6	UNREG GND	
MB-52,303-7	7	GND	
MB-52,303-8	8	GND	
MB-52,303-9	9	UNREG +15V	
MB-52,303-10	10	UNREG +15V	
MB-52,303-11	11	REG +5V	
MB-52,303-12	12	UNREG +15V	
MB-52,303-13	13	REG +5V	
MB-52,303-14	14	1/2 VD OUT	101-19A,113-19A,146-6
MB-52,303-15	15	EDIT CTL OUT	101-18A,113-18A
MB-52,303-16	16	CAPSTAN 4FG OUT	101-18B,113-18B
MB-52,303-17	17	TAPE DIRECTION OUT	101-16A,113-16A
MB-52,303-18	18	L:TC REC STOP OUT	101-15A
MB-52,303-19	19	TC STB OUT	113-15B
MB-52,303-20	20	L:TC BUILD-IN IN	113-14A
MB-52,303-21	21	TC ADDRESS 6 OUT	113-13A
MB-52,303-22	22	TC ADDRESS 5 OUT	113-13B
MB-52,303-23	23	TC ADDRESS 4 OUT	113-12A
MB-52,303-24	24	TC ADDRESS 3 OUT	113-12B
MB-52,303-25	25	TC ADDRESS 2 OUT	113-11A
MB-52,303-26	26	TC ADDRESS 1 OUT	113-11B
MB-52,303-27	27	TC ADDRESS 0 OUT	113-10A
MB-52,303-28	28	TC DATA 7 IN/OUT	113-10B
MB-52,303-29	29	TC DATA 6 IN/OUT	113-9A
MB-52,303-30	30	TC DATA 5 IN/OUT	113-9B
MB-52,303-31	31	TC DATA 4 IN/OUT	113-8A
MB-52,303-32	32	TC DATA 3 IN/OUT	113-8B
MB-52,303-33	33	TC DATA 2 IN/OUT	113-7A
MB-52,303-34	34	TC DATA 1 IN/OUT	113-7B
MB-52,303-35	35	TC DATA 0 IN/OUT	113-6A
MB-52,303-36	36	SERIAL DATA-5 OUT	113-6B
MB-52,303-37	37	SERIAL DATA-4 OUT	113-5A
MB-52,303-38	38	SERIAL DATA-1 IN	114-30B
MB-52,303-39	39	L:TC EXIST IN	113-4A
MB-52,303-40	40	SYS CK-3 OUT	114-29B
MB-52,303-41	41	STB CK-3 OUT	113-3A
MB-52,303-42	42	L:REC CONT OUT	113-2A,117-15A
MB-52,303-43	43	L:POWER RESET OUT	113-1A,118-3
MB-52,303-44	44	DWP IN	113-15A
MB-52,303-45	45	1st FIELD PULSE IN	114-28B
MB-52,303-46	46	L:TC CF MODE IN	101-10A
MB-52,303-47	47	CFP-2 OUT	106-20A
MB-52,303-48	48	CFP-1 OUT	106-18A
MB-52,303-49	49	CFP-1(TC) OUT	102-28B
MB-52,303-50	50	CFP-2(TC) OUT	102-29B

CN116

MB-52,301-6A	1A	GND (DRUM)	102-17A
SW-6,631-2	2A	L:NORMAL/H:EDIT IN	114-24B
	3A	GND	
CAPSTAN MOTOR	4A	CAPSTAN F/R CONTROL	102-17B
MB-52,310-25A	5A	CTL HEAD(G)	102-21A
MB-52,310-24A	6A	CTL HEAD(X)	102-23A
BC-5,401-3	7A	SHAPED PHASE PG OUT	102-27A
BC-5,401-1	8A	SHAPED SPEED PG(A)OUT	102-29A
BF-7,610-1	9A	GND	
BC-5,402-1	10A	GND	
BC-5,402-9	11A	C SW'ING PULSE IN(X)	103-15A
MB-50,206-24B	12A	L:VIDEO EE IN	103-13A,105-22A
	13A		
DU-53,882-5	14A	T-REEL FG1 IN	101-4B
DU-53,882-6	15A	GND (T-REEL)	101-2B
SW-7,623-6	16A	L:DT SELECT-VAR IN	113-1B
DU-53,882-1	17A	S-REEL FG2 IN	101-4A
HE-5,831-3	18A	TAPE ROLL PULSE IN(X)	101-7B
MB-50,206-21B	19A	L:AUDIO NR ON OUT	132-3
RD-2,931-10	20A	UNREG +15V	
MB-52,310-5A	1A	DRUM ERROR OUT	102-18A
MB-52,310-4A	2B	Vcc (DRUM)	102-19A
CAPSTAN MOTOR	3B	Vcc (CAPSTAN)	102-19B
CAPSTAN MOTOR	4B	CAPSTAN ERROR OUT	102-18B
CAPSTAN MOTOR	5B	GND (CAPSTAN)	102-16B
MB-52,310-24B	6B	CTL HEAD(Y)	102-22A
BC-5,401-4	7B	GND (PG)	102-26A
BC-5,401-2	8B	SHAPED SPEED PG(B)OUT	102-28A
SW-7,621-5	9B	L:U-BIT SELECT	114-22A
RD-2,931-9	10B	REG +5V	
BC-5,402-4	11B	REG +5V	
BC-5,402-10	12B	C SW'ING PULSE IN(G)	103-14A
MB-50,206-7A	13B	RF METER OUT	103-10B
DU-53,882-8	14B	Vcc (REEL FG)	101-5B
DU-53,882-4	15B	T-REEL FG2 IN	101-3B
SW-7,623-8	16B	L:DT SELECT-SEARCH IN	113-2B
DU-53,882-3	17B	GND (S-REEL)	101-3A
DU-53,882-2	18B	S-REEL FG1 IN	101-5A
HE-5,831-4	19B	TAPE ROLL PULSE IN(G)	101-7A
RD-2,931-12	20B	UNREG -15V	

SY-4

CN114

A		B	
GND	1	GND	
	2		
	3		
	4		
	5		
	6		
118-15 INT SCAN LINE 1 OUT	7	INT SCAN LINE 2 OUT	118-16
118-14 INT SCAN LINE 0 OUT	8	INT SCAN LINE 3 OUT	118-17
118-12 INT RETURN LINE 7 IN	9	INT A0 OUT	118-19
118-11 INT RETURN LINE 6 IN	10	INT A1 OUT	118-20
118-10 INT RETURN LINE 5 IN	11	INT A2 OUT	118-21
118-9 INT RETURN LINE 4 IN	12	INT A3 OUT	118-22
118-8 INT RETURN LINE 3 IN	13	INT B0 OUT	118-23
118-7 INT RETURN LINE 2 IN	14	INT B1 OUT	118-24
118-6 INT RETURN LINE 1 IN	15	INT B2 OUT	118-25
118-5 INT RETURN LINE 0 IN	16	INT B3 OUT	118-26
118-27 INT KEY MUTE OUT	17	INT BLANK DISPLAY OUT	118-28
117-6A L:TC PRESET BUTTON IN	18	L:VTR CONT-EXT IN	132-6
117-7A L:TC ADVANCE BUTTON	19	H:CTL/L:TC IN	117-7B
117-8A L:TC SHIFT BUTTON IN	20	L:REMOTE-2 SELECT IN	117-8B
117-9A L:TC HOLD BUTTON IN	21	L:REMOTE-1 SELECT IN	117-9B
116-9B L:U-BIT SELECT IN	22	AUTO OFF LAMP OUT	117-10B
117-11B TC HOLD LAMP OUT	23	HOURS METER (+) OUT	131-1
147-6,117-11A STB CK-1 OUT	24	L:NORMAL/H:EDIT IN	116-2A
147-7,117-12B SYS CK-1 OUT	25	L:NORMAL/H:BID OUT	104-7B,106-7A,145-5
117-13B SERIAL DATA-6 OUT	26	L:FFWD CONT OUT	104-17A
117-13A SERIAL DATA-7 OUT	27	L:COMB FILTER OFF OUT	106-27B
117-14B SERIAL DATA-8 OUT	28	1st FIELD PULSE IN	115-45
117-14A L:BIAS OSC ON OUT	29	SYS CK-3 OUT	115-40
117-15B L:AUDIO MUTE OUT	30	SERIAL DATA-1 IN	115-38

CN113

A		B	
118-3 115-43 L:POWER RESET OUT	1	L:DT SELECT-VAR IN	116-16A
117-15A,115-42 L:REC CONT OUT	2	L:DT SELECT-SEARCH IN	116-16B
115-41 STB CK-3 OUT	3	SERIAL DATA-3 IN	146-12
115-39 L:TC EXIST IN	4	SERIAL DATA-9 OUT	146-11
115-37 SERIAL DATA-4 OUT	5	SERIAL DATA-10 OUT	101-24A
115-35 TC DATA 0 IN/OUT	6	SERIAL DATA-5 OUT	115-36
115-33 TC DATA 2 IN/OUT	7	TC DATA 1 IN/OUT	115-36
115-31 TC DATA 4 IN/OUT	8	TC DATA 3 IN/OUT	115-34
115-29 TC DATA 6 IN/OUT	9	TC DATA 5 IN/OUT	115-32
115-27 TC ADDRESS 0 OUT	10	TC DATA 7 IN/OUT	115-30
115-25 TC ADDRESS 2 OUT	11	TC ADDRESS 1 OUT	115-28
115-23 TC ADDRESS 4 OUT	12	TC ADDRESS 3 OUT	115-26
115-21 TC ADDRESS 6 OUT	13	TC ADDRESS 5 OUT	115-24
115-20 L:TC BUILD-IN IN	14	H:CHROMA MUTE OUT	103-10A,105-8A
115-44 DWP IN	15	TC STB OUT	115-19
101-16A,115-17 TAPE DIRECTION IN	16	S-REEL 4FG IN	101-16B
101-17A TAPE ROLLER PULSE IN	17	T-REEL 4FG IN	101-17B
101-18A,115-15 EDIT CTL IN	18	CAPSTAN 4FG IN	101-18B,115-16
146-6,101-19A,115-14 1/2 VD IN	19	SEARCH FREQ OUT	101-19B
101-20A SERIAL DATA-3 OUT	20	SERIAL DATA-2 IN	101-20B
101-21A SERIAL DATA-2 OUT	21	STB CK-2 OUT	101-21B
101-22A SERIAL DATA-1 OUT	22	SYS CK-2 OUT	101-22B
101-23A SYNCHRONIZE OUT	23	L:8H ADVANCE OFF OUT	121-8A
146-10 DT UNREADY IN	24	CFP-1 IN	106-19A
123-5 UNREG +9V IN	25	UNREG +9V IN	123-5
+5V REG +5V IN	26	REG +5V IN	+5V
+12V REG +12V IN	27	REG +12V IN	+12V
	28		
133-3 H:PLAYER NOR FWD OUT	29	L:MODE-EDIT OUT	133-8,141-7
GND	30	GND	

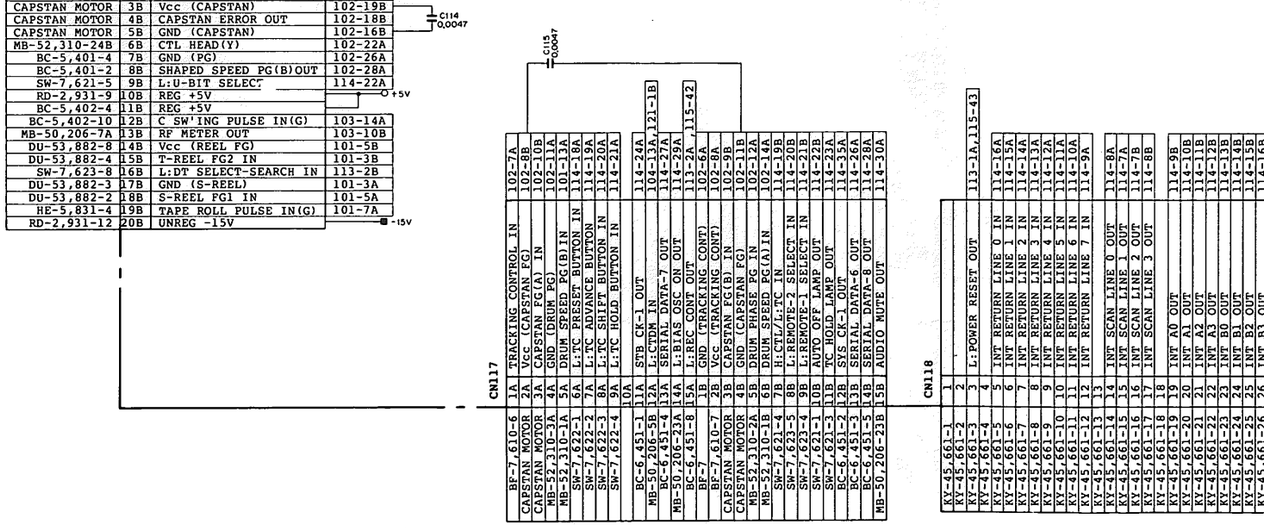
SV-55

CN102

A		B	
GND	1	GND	
	2		
-15V UNREG -15V IN	3	UNREG -15V IN	-15V
-12V REG -12V IN	4	REG -12V IN	-12V
-5V REG -5V IN	5	REG -5V IN	-5V
117-1B GND (TRACKING CONT)	6		
117-1A TRACKING CONTROL IN	7	GND	
117-2B Vcc (TRACKING CONT)	8	Vcc (CAPSTAN FG)	117-2A
	9	CAPSTAN FG(B)IN	117-3B
	10	CAPSTAN FG(A)IN	117-3A
117-4A GND (DRUM PG)	11	GND (CAPSTAN FG)	117-4B
117-5B DRUM PHASE PG IN	12	GND	
117-5A DRUM SPEED PG(B)IN	13	GND	
117-6B DRUM SPEED PG(A)IN	14	GND	
123-6 UNREG GND (CAPSTAN)	15	UNREG GND (CAPSTAN)	123-6
123-6 UNREG GND (DRUM)	16	GND (CAPSTAN)	116-5B
116-1A GND (DRUM)	17	CAPSTAN F/R CONTROL	116-4A
116-1B DRUM ERROR OUT	18	CAPSTAN ERROR OUT	116-4B
116-2B Vcc (DRUM)	19	Vcc (CAPSTAN)	116-3B
	20		
116-5A CTL HEAD(G)	21	DT SW'ING PULSE OUT	147-8
116-6B CTL HEAD(Y)	22	GND	
116-6A CTL HEAD(X)	23	GND	
GND	24	Y SW'ING PULSE OUT(G)	104-15A
GND	25	Y SW'ING PULSE OUT(X)	104-16A,147-9
116-7B GND (PG)	26	DEMOD'ED Y IN(G)	104-26B,143-3
116-7A SHAPED PHASE PG OUT	27	DEMOD'ED Y IN(X)	104-27B,143-6
116-8B SHAPED SPEED PG(B)OUT	28	CFP-1(TC) IN	115-49
116-8A SHAPED SPEED PG(A)OUT	29	CFP-2(TC) IN	115-50
L:SERVO LOCK	30	SV SYNC IN(X)	133-7

CN101

A		B	
146-8 SHAPED CAP FG(A) OUT	1	SHAPED CTL OUT	146-7
146-9 SHAPED CAP FG(B) OUT	2	GND (T-REEL)	116-15A
116-17B GND (S-REEL)	3	T-REEL FG2 IN	116-15B
116-17A S-REEL FG2 IN	4	T-REEL FG1 IN	116-14A
116-18B S-REEL FG1 IN	5	Vcc (REEL FG)	116-14B
GND	6	GND	
116-19B TAPE ROLL PULSE IN(G)	7	TAPE ROLL PULSE IN(X)	116-18A
125-1 GND (TENSION SENSOR)	8	TENSION SENSOR(+) IN	125-2
125-4 Vcc (TENSION SENSOR)	9	TENSION SENSOR(-) IN	125-3
115-46 L:TC CF MODE IN	10	H:SHIFT OFF OUT	106-12B,144-1
	11	GND (REEL)	138-1
138-3 S-REEL CURRENT IN	12	T-REEL CURRENT IN	138-2
138-5 S-REEL ERROR OUT	13	T-REEL ERROR OUT	138-4
138-7 S-REEL DRIVE OUT	14	T-REEL DRIVE OUT	138-6
115-18 L:TC REC STOP OUT	15	CF PULSE IN	105-19A,141-8
115-17,113-16A TAPE DIRECTION OUT	16	S-REEL 4FG OUT	115-16B
113-17A TAPE ROLLER PULSE OUT	17	T-REEL 4FG OUT	113-17B
115-15,113-18A EDIT CTL OUT	18	CAPSTAN 4FG OUT	113-18B,115-16
146-6,115-14,113-19A 1/2 VD OUT	19	SEARCH FREQ IN	113-19B
113-20A SERIAL DATA-3 IN	20	SERIAL DATA-2 OUT	113-20B
113-21A SERIAL DATA-2 IN	21	STB CK-2 IN	113-21B
113-22A SERIAL DATA-1 IN	22	SYS CK-2 IN	113-22B
113-23A SYNCHRONIZE IN	23	L:8H ADVANCE OFF IN	121-4B,133-4
113-5B SERIAL DATA-10 IN	24	H:VIDEO DET IN	
	25		
+5V REG +5V IN	26	REG +5V IN	+5V
+12V REG +12V IN	27	REG +12V IN	+12V
+15V UNREG +15V IN	28	UNREG +15V IN	+15V
	29		
GND	30	GND	



YC-14

CN104

A		B		
GND	1	GND		
	2			
	3			
REG -12V IN	4	REG -12V IN		-12V
(REG -5V IN)	5	(REG -5V IN)		-5V
	6			
Y RF CH-B IN(G)	7	L:NORMAL/H:BID IN		114-25B,106-7A,145-5
Y RF CH-B IN(X)	8			
Y RF CH-A IN(G)	9			
Y RF CH-A IN(X)	10			
	11			
	12			
L:CTDM IN	13			
	14			
Y SW'ING PULSE IN(G)	15	C DO DET PULSE OUT(G)		106-15A
Y SW'ING PULSE IN(X)	16	C DO DET PULSE OUT(X)		106-16A,144-6
L:FFWD CONTROL IN	17			
	18			
	19			
	20	DEMOD'ED C OUT(G)		106-20B
	21	DEMOD'ED C OUT(X)		106-21B
	22			
	23			
	24	Y DO DET PULSE OUT(G)		106-24B
	25	Y DO DET PULSE OUT(X)		106-25B,143-5,147-10
	26	DEMOD'ED Y OUT(G)		102-26B,143-3
Y REC RF OUT(G)	27	DEMOD'ED Y OUT(X)		102-27B,143-6
Y REC RF OUT(X)	28			
C REC RF OUT(G)	29	ADVANCED Y OUT(X)		143-8
C REC RF OUT(X)	30	ADVANCED Y OUT(G)		143-10

CN103

A		B		
Y IN (G)	1			
Y IN (X)	2			
C IN (G)	3	TBC Y IN(X)		141-6,105-7B
C IN (X)	4	TBC Y IN(G)		141-5,105-6B
Y DO IN (G)	5			
Y DO IN (X)	6			
C DO IN (G)	7			
C DO IN (X)	8	RF ENVELOPE OUT (DT)		146-8
	9			
H:CHROMA MUTE IN	10	RF METER OUT		116-13B
	11			
	12			
L:VIDEO EE IN	13	INV REF SYNC IN(X)		105-23B
C SW'ING PULSE IN(G)	14	INV REF SYNC IN(G)		105-24B
C SW'ING PULSE IN(X)	15			
C RF CH-B IN(G)	16	L:DUB/H:COMPONENT IN		121-15B,105-16B
C RF CH-B IN(X)	17			
C RF CH-A IN(G)	18			
C RF CH-A IN(X)	19			
	20			
	21			
U-DUB Y OUT(X)	22			
U-DUB Y OUT(G)	23	DUB C OUT(X)		121-6B
DUB Y OUT(X)	24	DUB C OUT(G)		121-6A
DUB Y OUT(G)	25			
REG +5V IN	26	REG +5V IN		+5V
REG +12V IN	27	REG +12V IN		+12V
	28			
	29			
GND	30	GND		

EN-21

CN106

A		B		
GND	1	GND		
	2			
	3			
-12V REG -12V IN	4	REG -12V IN		-12V
-5V REG -5V IN	5	REG -5V IN		-5V
	6			
104-7B,114-25B 145-5 L:NORMAL/H:BID IN	7			
	8			
	9			
145-10 L:C CLAMP INHIBIT IN	10	L:C CLAMP INHIBIT IN		145-10
	11			
144-3 FR OFF(N)/ LV(P) IN	12	H:SHIFT OFF IN		101-10B,144-1
	13	SPARE EN CK-1 IN		144-2
	14			
104-15B C DO DET PULSE IN(G)	15	1st FIELD PULSE IN		142-9
144-6,104-16B C DO DET PULSE IN(X)	16			
113-24B CFP-1 OUT	17			
115-48 CFP-1 OUT	18	DELAYED TDM-C OUT(X)		144-9
	19	DELAYED TDM-C OUT(G)		144-10
115-47 CFP-2 OUT	20	DEMOD'ED C IN(G)		104-20B
	21	DEMOD'ED C IN(X)		104-21B
	22	CR DO IN(G)		
143-1 FIELD O/E IN	23	CR DO IN(X)		143-2
	24	Y DO DET PULSE IN(G)		104-24B
143-4 H:IN PHASE OUT	25	Y DO DET PULSE IN(X)		104-25B,143-5, 147-10
	26			
	27	L:COMB FILTER OFF IN		114-27B
132-2 HUE CONTROL IN	28	R-Y/B-Y OUT(G)		143-7
	29	R-Y/B-Y OUT(X)		143-9
GND	30	GND		

CN105

A		B		
142-3 C BLKG IN	1	BF IN		142-1
142-4 R ZERO IN	2	TBC R-Y IN (G)		141-1
GND	3	TBC R-Y IN (X)		141-2
142-5 +V/-V IN	4	TBC B-Y IN (G)		141-3
	5	TBC B-Y IN (X)		141-4
132-1 SC PHASE CONTROL IN	6	TBC Y IN (G)		141-5,103-4B
	7	TBC Y IN (X)		141-6,103-3B
103-10A,113-14B H:CHROMA MUTE IN	8	H:VIDEO MUTE IN		
GND	9	GND		
142-6 4fsc(-) OUT	10	4fsc(+) OUT		142-2
GND	11	GND		
142-7 H:INT/L:EXT IN	12	BG PULSE IN(X)		142-10
121-9B TV VIDEO OUT(G)	13	REF SYNC IN		142-8
121-10A TV VIDEO OUT(X)	14	REF VIDEO IN(G)		133-2
121-10B VIDEO OUT-2 (G)	15	REF VIDEO IN(X)		133-1
121-11A VIDEO OUT-2 (X)	16	L:DUB/H:COMPONENT IN		121-15B,103-16B
121-11B VIDEO OUT-1 (G)	17	B-Y/C-DO OUT(X)		121-15A
121-12A VIDEO OUT-1 (X)	18	B-Y/C-DO OUT(G)		121-14B
101-15B,141-8 CF PULSE IN	19	R-Y/Y-DO OUT(X)		121-14A
121-12B U-DUB CHROMA OUT(X)	20	R-Y/Y-DO OUT(G)		121-13B
121-13A U-DUB CHROMA OUT(G)	21	VIDEO IN (LINE)(X)		139-2
103-13A,116-12A L:VIDEO EE IN	22	VIDEO IN (LINE)(G)		139-3
131-2 H:BY-PASS ON IN	23	INV REF SYNC OUT(X)		103-13B
121-17B U-CF OUT	24	INV REF SYNC OUT(G)		103-14B
	25			
+5V REG +5V IN	26	REG +5V IN		+5V
+12V REG +12V IN	27	REG +12V IN		+12V
	28			
	29			
GND	30	GND		

CN142

105-1B	BF IN	1
105-10B	4fsc (+) OUT	2
105-1A	C BLKG IN	3
105-2A	R ZERO IN	4
105-4A	+V/-V IN	5
105-10A	4fsc (-) OUT	6
105-12A	H:INT/L:EXT IN	7
105-13B	REF SYNC IN	8
106-15B	1st FIELD PULSE IN	9
105-12B	BG PULSE IN	10

CN143

106-23A	FIELD O/E IN	1
106-23B	CR DO IN(X)	2
104-26B,102-26B	DEMOD'ED Y OUT(G)	3
106-25A	H:IN PHASE OUT	4
104-25B,106-25B,147-10	Y DO DET PULSE OUT(X)	5
104-27B,102-27B	DEMOD'ED Y OUT(X)	6
106-28B	R-Y/B-Y OUT(G)	7
104-29B	ADVANCED Y OUT(X)	8
106-29B	R-Y/B-Y OUT(X)	9
104-30B	ADVANCED Y OUT(G)	10

CN144

101-10B,106-12B	H:SHIFT OFF OUT	1
106-13B	SPARE EN CK-1 IN	2
106-12A	FR OFF(N)/ LV (P) IN	3
		4
		5
104-16B,106-16A	C DO DET PULSE OUT(X)	6
		7
139-1	L:Y-R,B SELECT OUT	8
106-18B	DELAYED TDM-C OUT(X)	9
106-19B	DELAYED TDM-C OUT(G)	10

CN145

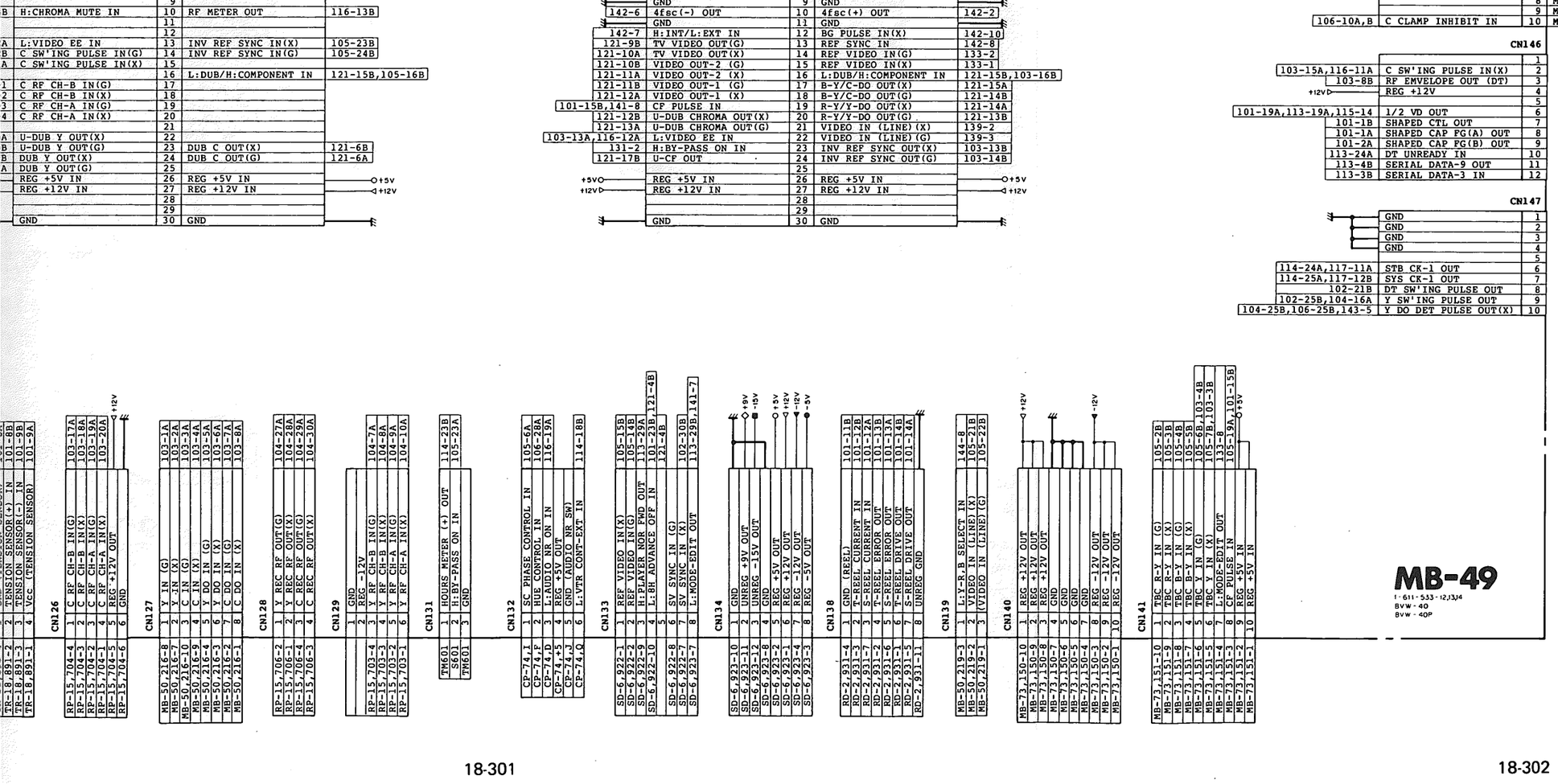
-12V REG -12V		1
REG -12V		2
REG -12V		3
		4
114-25B,104-7B,106-7A	L:NORMAL/H:BID IN	5
		6
		7
		8
		9
106-10A,B	C CLAMP INHIBIT IN	10

CN146

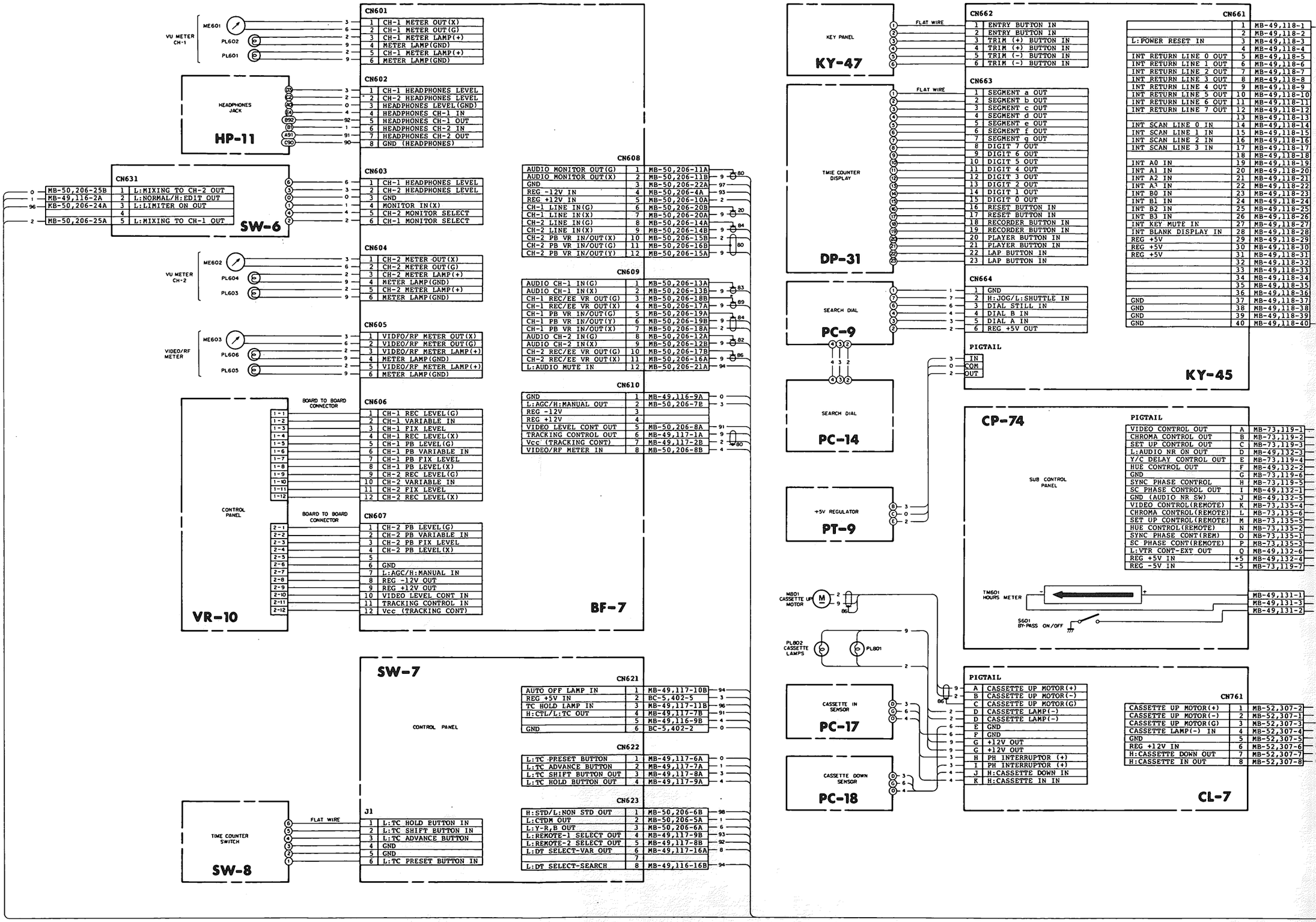
		1
103-15A,116-11A	C SW'ING PULSE IN(X)	2
103-8B	RF ENVELOPE OUT (DT)	3
+12V REG +12V		4
		5
101-19A,113-19A,115-14	1/2 VD OUT	6
101-1B	SHAPED CTL OUT	7
101-1A	SHAPED CAP FG(A) OUT	8
101-2A	SHAPED CAP FG(B) OUT	9
113-24A	DT UNREADY IN	10
113-4B	SERIAL DATA-9 OUT	11
113-3B	SERIAL DATA-3 IN	12

CN147

GND		1
GND		2
GND		3
GND		4
		5
114-24A,117-11A	STB CK-1 OUT	6
114-25A,117-12B	SYS CK-1 OUT	7
102-21B	DT SW'ING PULSE OUT	8
102-25B,104-16A	Y SW'ING PULSE OUT	9
104-25B,106-25B,143-5	Y DO DET PULSE OUT(X)	10



FRAME WIRING (1/4)



40P FLAT CABLE

CN771

MB-52,307-9	1	PINCH SOL HOLDER	
MB-52,307-10	2	PINCH SOL STARTER	
MB-52,307-11	3	L:CLEANER SOL ON IN	
MB-52,307-12	4	UNREG +15V IN	

CN772

UNREG +15V OUT	1	PM771 CLEANER SOL
L:CLEANER SOL ON OUT	2	

PIGTAIL

PINCH SOL HOLDER	3	PM772 PINCH SOL
PINCH SOL STARTER	8	
UNREG +15V OUT	1	

PD-22

CN801

MB-52,310-4B	1	GND	
MB-52,310-22A	2	MISS REC SENSOR OUT	MISS REC SENSOR
MB-52,310-7B	3	REG +5V IN	

MS-12

CN881

MB-52,310-18A	1	MAIN SOL STARTER
MB-52,310-17B	2	MAIN SOL HOLDER
MB-52,310-15B	3	S-BRAKE SOL HOLDER
MB-52,310-16A	4	S-BRAKE SOL STARTER
MB-52,310-16B	5	T-BRAKE SOL HOLDER
MB-52,310-17A	6	T-BRAKE SOL STARTER
MB-52,310-13B	7	TAPE BEG SENSOR(X)
MB-52,310-12B	8	TAPE BEG SENSOR(G)

CN882

MB-49,116-17A	1	S-REEL FG2 OUT
MB-49,116-18B	2	S-REEL FG1 OUT
MB-49,116-17B	3	GND (S-REEL)
MB-49,116-15B	4	T-REEL FG2 OUT
MB-49,116-14A	5	T-REEL FG1 OUT
MB-49,116-15A	6	GND (T-REEL)
MB-52,310-9B	7	UNREG +15V IN
MB-49,116-14B	8	Vcc (REEL FG)IN

CN883

T-REEL FG1 IN	1	REEL FG GENERATOR
T-REEL FG2 IN	2	
S-REEL FG1 IN	3	
GND	4	
Vcc (REEL FG)OUT	5	
S-REEL FG2 IN	6	

DE-11

CN885

TAPE BEG SENSOR(X)	1	TAPE BEGINNING SENSOR
TAPE BEG SENSOR(G)	2	

SS-8

CN886

T-BRAKE SOL HOLDER	1	PM881 T-BRAKE SOL
T-BRAKE SOL STARTER	2	
UNREG +15V OUT	3	

CN887

S-BRAKE SOL HOLDER	1	PM882 S-BRAKE SOL
S-BRAKE SOL STARTER	2	
UNREG +15V OUT	3	

CN888

MAIN SOL STARTER	1	PM883 MAIN BRAKE SOL
MAIN SOL HOLDER	2	
UNREG +15V OUT	3	
	4	

DU-53

CN831

MB-52,310-10B	1	GND
MB-52,310-8B	2	REG +12V IN
MB-49,116-18A	3	TAPE ROLL PULSE OUT(X)
MB-49,116-19B	4	TAPE ROLL PULSE OUT(G)
MB-52,310-7A	5	REG +5V IN
	6	
MB-52,310-14B	7	TAPE END SENSOR(G)
MB-52,310-14A	8	TAPE END SENSOR(X)
	9	
	10	

PIGTAIL

TAPE ROLL PULSE IN(X)	A	TAPE ROLL PULSE GENERATOR
REG +5V OUT	B	
REG +5V (LED)OUT	C	
TAPE ROLL PULSE IN(G)	D	
TAPE END SENSOR(G)	E	
TAPE END SENSOR(X)	F	

PH-16

TAPE ROLL PULSE GENERATOR — **LE-19**

TAPE END SENSOR — **SS-8**

HE-5

CN841

MB-52,310-21A	1	THREADING MOTOR(+)IN	M841 THREADING MOTOR
MB-52,310-20A	2	THREADING MOTOR(-)IN	

LM-4

CN811

MB-52,310-5B	1	PH INTERRUPTOR(+)IN
MB-52,310-19A	2	L:THRE/UNTHRE END OUT
MB-52,310-2B	3	GND

THREAD/UNTHREAD END SENSOR

TE-2

CN821

MB-52,310-6B	1	PH INTERRUPTOR(+)IN
MB-52,310-18B	2	L:THREAD END OUT
MB-52,310-3B	3	GND

THREAD END SENSOR

TE-2

50P FLAT CABLE

CN303

MB-49,115-1	1	REG +12V IN	
MB-49,115-2	2	REG -12V IN	
MB-49,115-3	3		
MB-49,115-4	4		
MB-49,115-5	5	UNREG GND	
MB-49,115-6	6	UNREG GND	
MB-49,115-7	7	GND	
MB-49,115-8	8	GND	
MB-49,115-9	9	UNREG +15V IN	
MB-49,115-10	10	UNREG +15V IN	
MB-49,115-11	11	REG +5V IN	
MB-49,115-12	12	UNREG +15V IN	
MB-49,115-13	13	REG +5V IN	
MB-49,115-14	14	1/2 VD IN	302-31A,310-25B
MB-49,115-15	15	EDIT CTL IN	302-32A
MB-49,115-16	16	CAPSTAN 4FG IN	301-33B
MB-49,115-17	17	TAPE DIRECTION IN	302-33A
MB-49,115-18	18	L:TC REC STOP IN	302-30A
MB-49,115-19	19	TC STB IN	302-23A
MB-49,115-20	20	L:TC BUILD-IN OUT	302-22A
MB-49,115-21	21	TC ADDRESS 6 IN	302-20A
MB-49,115-22	22	TC ADDRESS 5 IN	302-19A,21A
MB-49,115-23	23	TC ADDRESS 4 IN	302-18A
MB-49,115-24	24	TC ADDRESS 3 IN	302-17A
MB-49,115-25	25	TC ADDRESS 2 IN	302-16A
MB-49,115-26	26	TC ADDRESS 1 IN	302-15A
MB-49,115-27	27	TC ADDRESS 0 IN	302-14A
MB-49,115-28	28	TC DATA 7 IN/OUT	302-13A
MB-49,115-29	29	TC DATA 6 IN/OUT	302-12A
MB-49,115-30	30	TC DATA 5 IN/OUT	302-11A
MB-49,115-31	31	TC DATA 4 IN/OUT	302-10A
MB-49,115-32	32	TC DATA 3 IN/OUT	302-9A
MB-49,115-33	33	TC DATA 2 IN/OUT	302-8A
MB-49,115-34	34	TC DATA 1 IN/OUT	302-7A
MB-49,115-35	35	TC DATA 0 IN/OUT	302-6A
MB-49,115-36	36	SERIAL DATA-5 IN	301-26B
MB-49,115-37	37	SERIAL DATA-4 IN	301-24B
MB-49,115-38	38	SERIAL DATA-1 OUT	301-25B
MB-49,115-39	39	L:TC EXIST IN	301-35B,302-35A
MB-49,115-40	40	SYS CK-3 IN	301-23B
MB-49,115-41	41	STB CK-3 IN	301-22B
MB-49,115-42	42	L:REC CONTROL IN	301-22A
MB-49,115-43	43	L:POWER RESET IN	301-21B
MB-49,115-44	44	DWP OUT	302-24A
MB-49,115-45	45	1st FIELD PULSE OUT	302-25A,310-22B
MB-49,115-46	46	L:TC CF MODE OUT	302-29B
MB-49,115-47	47	CFP-2 IN	302-28A
MB-49,115-48	48	CFP-1 IN	302-29A
MB-49,115-49	49	CFP-1(TC) OUT	302-27A
MB-49,115-50	50	CFP-2(TC) OUT	302-26A

CN310

MB-49,117-5A	1A	DRUM SPEED PG(B) OUT	305-2
MB-49,117-6B	1B	DRUM SPEED PG(A) OUT	305-1
MB-49,117-5B	2A	DRUM PHASE PG OUT	305-3
TE-2,811-3	2B	GND	
MB-49,117-4A	3A	GND (DRUM PG)	305-4
TE-2,821-3	3B	GND	
MB-49,116-2B	4A	Vcc (DRUM)	306-1
MS-12,801-1	4B	GND	
MB-49,116-1B	5A	DRUM ERROR IN	306-2
TE-2,811-1	5B	PH INTERRUPTOR(+)OUT	
MB-49,116-1A	6A	GND (DRUM)	306-3
TE-2,821-1	6B	PH INTERRUPTOR(+)OUT	
HE-5,831-5	7A	REG +5V OUT	
MS-12,801-3	7B	REG +5V OUT	
MB-50,206-3A	8A	TC OUT to EXT (Y)	301-37A
HE-5,831-2	8B	REG +12V OUT	
MB-50,206-3B	9A	TC OUT to EXT (X)	301-36A
DU-53,882-7	9B	UNREG +15V OUT	
MB-50,206-2B	10A	TC OUT to EXT (G)	301-36B
HE-5,831-1	10B	GND	
MB-50,206-1A	11A	EXT TC IN(Y)	301-35A
	11B		
MB-50,206-1B	12A	EXT TC IN(X)	301-34A
DU-53,881-8	12B	TAPE BEG SENSOR(G)	
MB-50,206-2A	13A	EXT TC IN(G)	301-33A
DU-53,881-7	13B	TAPE BEG SENSOR(X)	301-32A
HE-5,831-8	14A	TAPE END SENSOR(X)	301-31B
HE-5,831-7	14B	TAPE END SENSOR(G)	
	15A	-	
DU-53,881-3	15B	S-BRAKE SOL HOLDER	301-30B
DU-53,881-4	16A	S-BRAKE SOL STARTER	301-30A
DU-53,881-5	16B	T-BRAKE SOL HOLDER	301-29B
DU-53,881-6	17A	T-BRAKE SOL STARTER	301-29A
DU-53,881-2	17B	MAIN SOL HOLDER	301-28B
DU-53,881-1	18A	MAIN SOL STARTER	301-28A
TE-2,821-2	18B	L:THREAD END IN	301-27B
TE-2,811-2	19A	L:THRE/UNTHRE END IN	301-27A
RE-10,712-1	19B	REG +12V OUT	
LM-4,841-2	20A	THREADING MOTOR(-)OUT	301-26A
RE-10,712-3	20B	REG -12V OUT	
LM-4,841-1	21A	THREADING MOTOR(+)OUT	301-25A
	21B	GND	
MS-12,801-2	22A	MISS REC SENSOR IN	301-24B
MB-50,206-4B	22B	1st FIELD PULSE IN	302-25A,303-45
MB-50,206-10B	23A	TC REC SIGNAL OUT(X)	301-7A
MB-50,206-9B	23B	TC REC SIGNAL OUT(G)	301-6A
MB-49,116-6A	24A	CTL HEAD (X)	309-1
MB-49,116-6B	24B	CTL HEAD (Y)	309-2
MB-49,116-5A	25A	CTL HEAD (G)	309-3
BC-5,401-7	25B	1/2 VD OUT	303-14,302-31A

CN301 DR-21
CN302 TC-28

MB-52

CN304

301-40A	TC HEAD (X)	1	H903(1/2) TIME CODE R/P
301-39A	TC HEAD (Y)	2	
301-38A	TC HEAD (G)	3	

CN305

310-1B	DRUM SPEED PG(A) IN	1	SPEED PG(A)
310-1A	DRUM SPEED PG(B) IN	2	SPEED PG(B)
310-2A	DRUM PHASE PG IN	3	PHASE PG
310-3A	GND (DRUM PG)	4	
301-33B	CONDENSATION SENSOR	5	CONDENSATION SENSOR

CN306

310-4A	Vcc (DRUM)	1	M DRUM MOTOR
310-5A	DRUM ERROR OUT	2	
310-6A	GND (DRUM)	3	

CN308

301-15A	FULL ERASE HEAD(X)	1	H901 FULL ERASE
301-14A	FULL ERASE HEAD(Y)	2	
301-16A	FULL ERASE HEAD(G)	3	

CN309

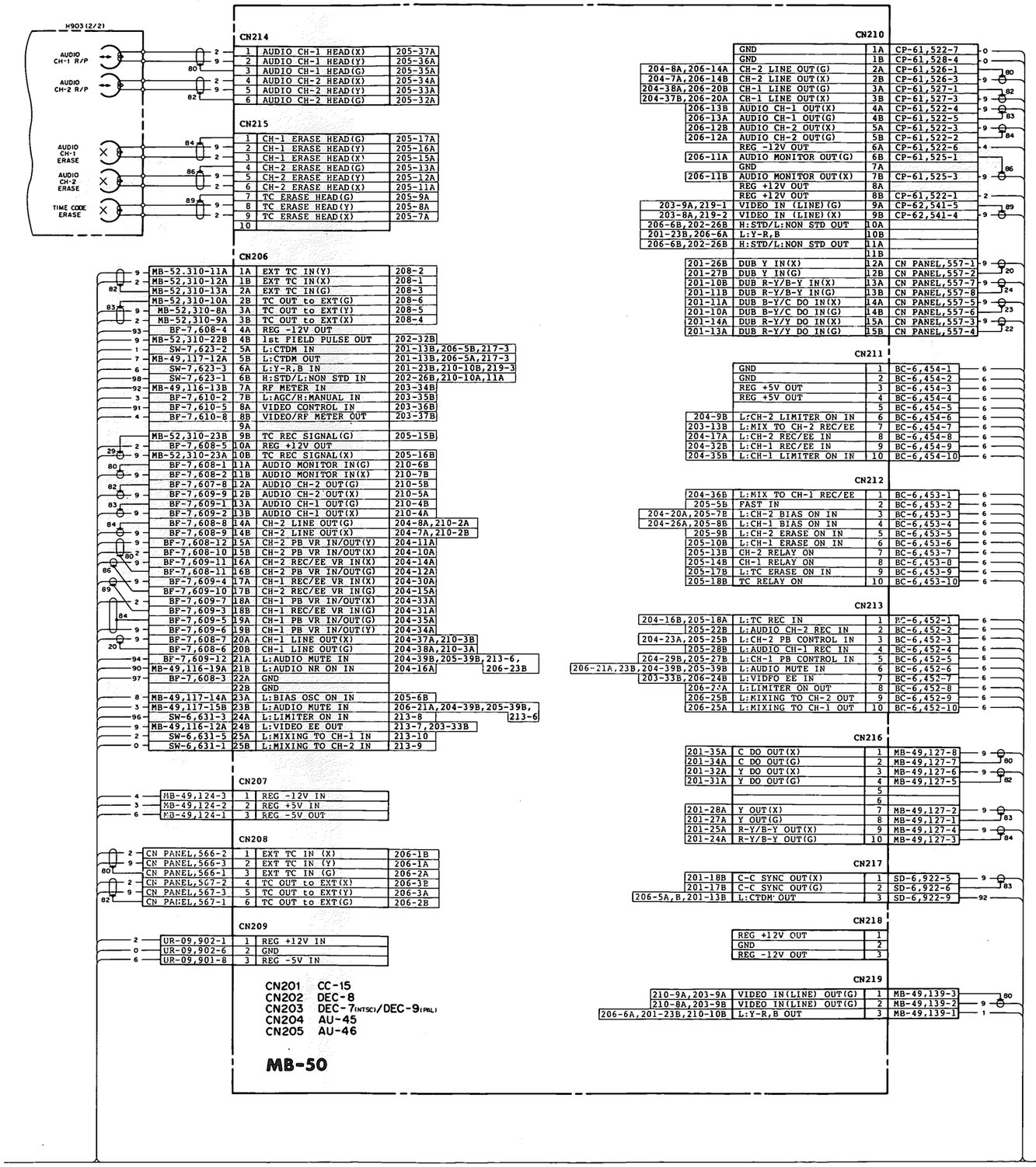
310-24A	CTL HEAD(X)	1	H902 CTL R/P
310-24B	CTL HEAD(Y)	2	
310-25A	CTL HEAD(G)	3	

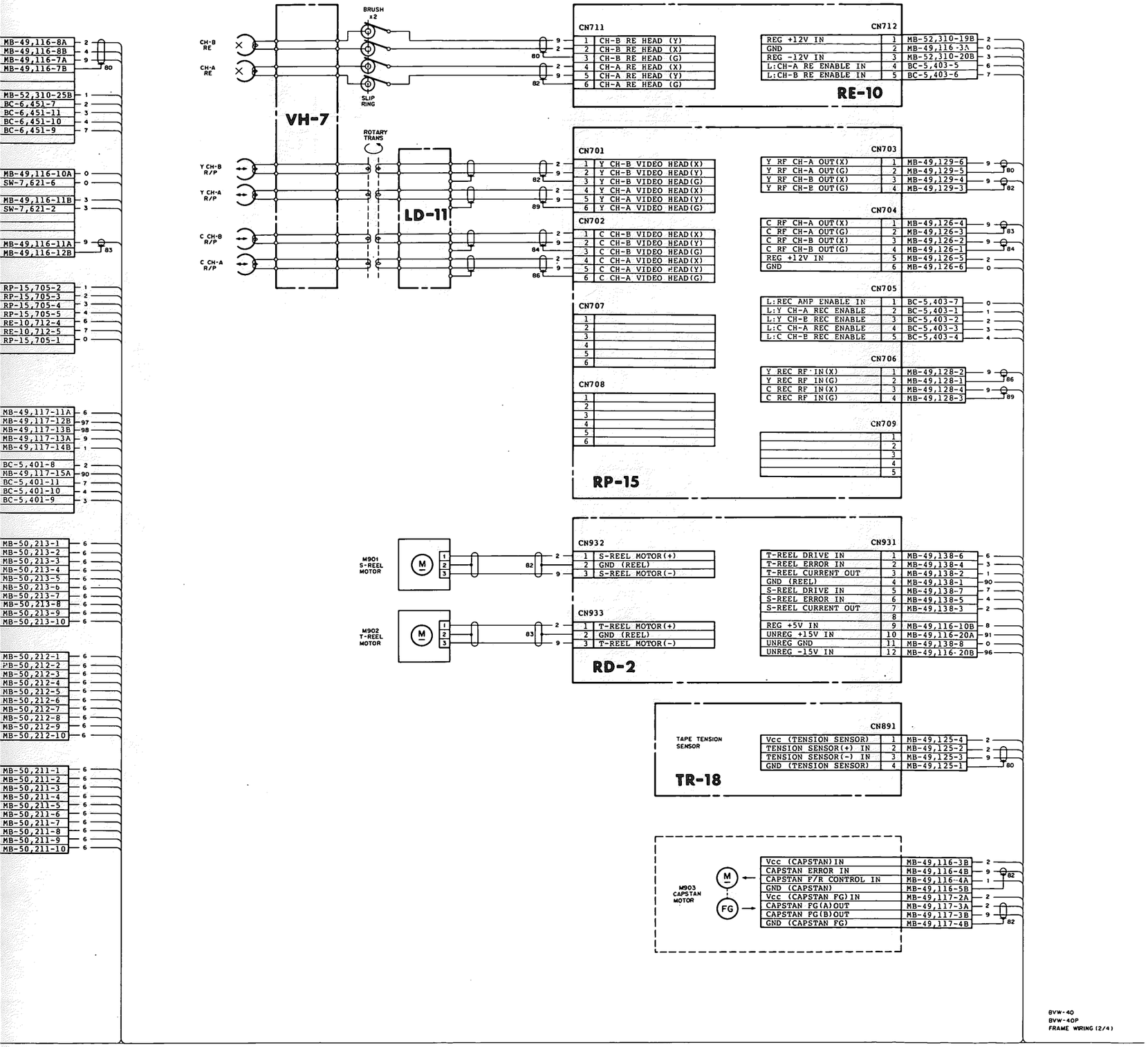
CN307

301-20A	CASSETTE UP MOTOR(-)	1	CL-7,761-2	
301-20B	CASSETTE UP MOTOR(+)	2	CL-7,761-1	
	CASSETTE UP MOTOR(G)	3	CL-7,761-3	
301-19A,21A	CASSETTE LAMP(-) OUT	4	CL-7,761-4	
	GND	5	CL-7,761-5	
	REG +12V OUT	6	CL-7,761-6	
301-17B,19B	H:CASSETTE DOWN IN	7	CL-7,761-7	
301-18A	H:CASSETTE IN IN	8	CL-7,761-8	
301-18B	PINCH SOL HOLDER	9	PD-22,771-1	
301-17A	PINCH SOL STARTER	10	PD-22,771-2	
301-31A	L:CLEANER SOL ON OUT	11	PD-22,771-3	
	UNREG +15V OUT	12	PD-22,771-4	

BVW-40
BVW-40P
FRAME WIRING (1/4)

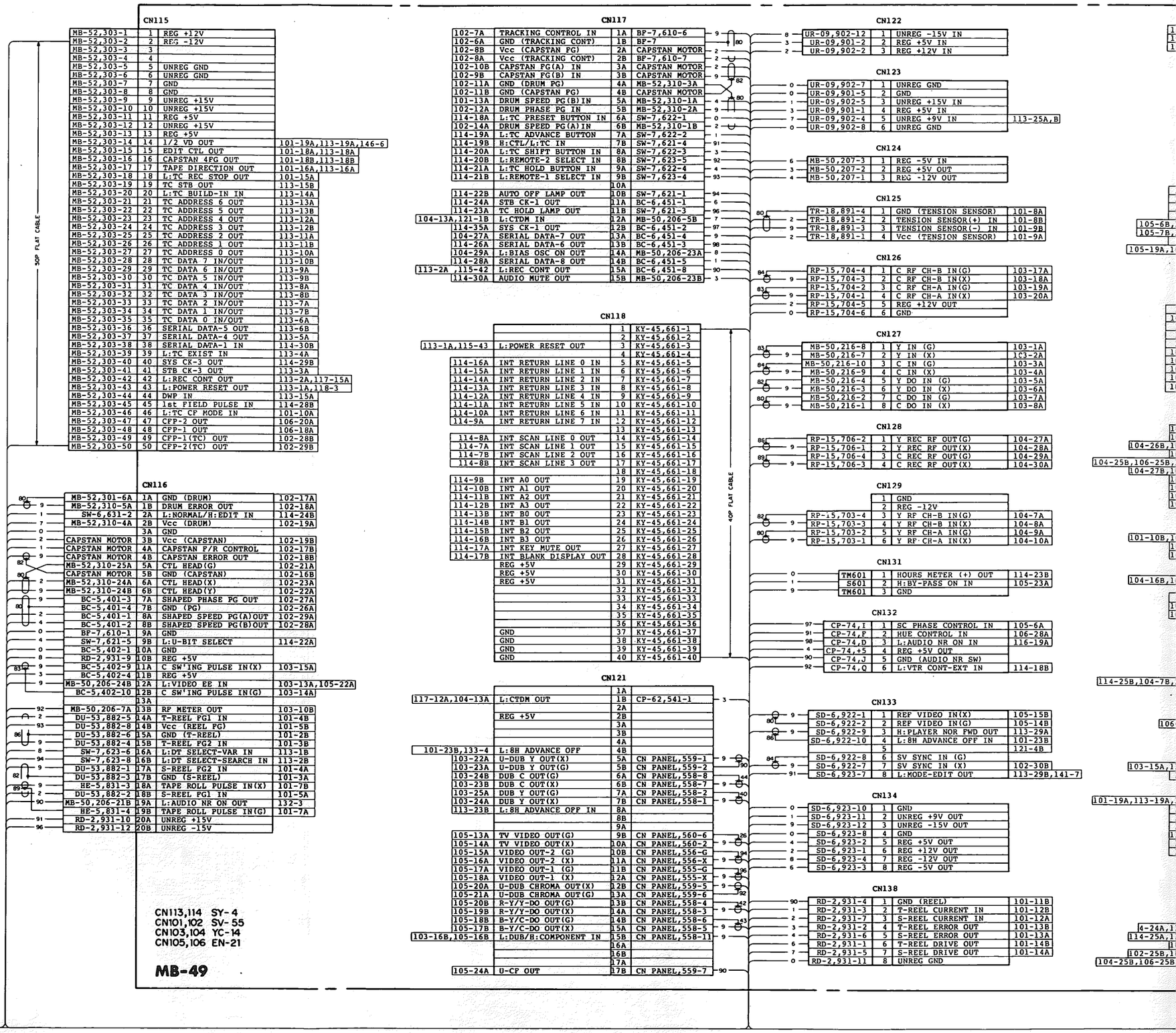
FRAME WIRING (2/4)



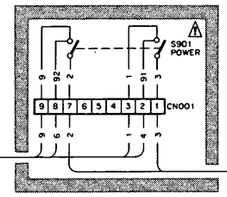


BVW-40
BVW-40P
FRAME WIRING (2/4)

FRAME WIRING (3/4)



NOTE: **The shaded and ⚠ -marked components are critical to safety.**
Replace only with same components as specified.



CN139

-8	L:Y-R,B SELECT IN	1	MB-50,219-3
-21B	VIDEO IN (LINE)(X)	2	MB-50,219-2
-22B	VIDEO IN (LINE)(G)	3	MB-50,219-1

CN140

	REG +12V OUT	1	MB-73,150-10
	REG +12V OUT	2	MB-73,150-9
	REG +12V OUT	3	MB-73,150-8
	GND	4	MB-73,150-7
	GND	5	MB-73,150-6
	GND	6	MB-73,150-5
	GND	7	MB-73,150-4
	REG -12V OUT	8	MB-73,150-3
	REG -12V OUT	9	MB-73,150-2
	REG -12V OUT	10	MB-73,150-1

CN141

5-2B	TBC R-Y IN (G)	1	MB-73,151-10
5-3B	TBC R-Y IN (X)	2	MB-73,151-9
5-4B	TBC B-Y IN (G)	3	MB-73,151-8
5-5B	TBC B-Y IN (X)	4	MB-73,151-7
3-4B	TBC Y IN (G)	5	MB-73,151-6
3-3B	TBC Y IN (X)	6	MB-73,151-5
33-8	L:MODE-EDIT OUT	7	MB-73,151-4
-15B	CF PULSE IN	8	MB-73,151-3
	REG +5V IN	9	MB-73,151-2
	REG +5V IN	10	MB-73,151-1

CN142

5-1B	BF IN	1	MB-73,152-1
-10B	4fsc (+) OUT	2	MB-73,152-2
5-1A	C BLKG IN	3	MB-73,152-3
5-2A	R ZERO IN	4	MB-73,152-4
5-4A	+V/-V IN	5	MB-73,152-5
-10A	4fsc (-) OUT	6	MB-73,152-6
-12A	H:INT/L:EXT IN	7	MB-73,152-7
-13B	REF SYNC IN	8	MB-73,152-8
-15B	1st FIELD PULSE IN	9	MB-73,152-9
-12B	BG PULSE IN	10	MB-73,152-10

CN143

-23A	FIELD O/E IN	1	MB-73,153-10
-23B	CR DO IN(X)	2	MB-73,153-9
-26B	DEMOD'ED Y OUT(G)	3	MB-73,153-8
-25A	H:IN PHASE OUT	4	MB-73,153-7
-10	Y DO DET PULSE OUT(X)	5	MB-73,153-6
-27B	DEMOD'ED Y OUT(X)	6	MB-73,153-5
-28B	R-Y/B-Y OUT(G)	7	MB-73,153-4
-29B	ADVANCED Y OUT(X)	8	MB-73,153-3
-29B	R-Y/B-Y OUT(X)	9	MB-73,153-2
-30B	ADVANCED Y OUT(G)	10	MB-73,153-1

CN144

-12B	H:SHIFT OFF OUT	1	MB-73,154-10
-13B	SPARE EN CK-1 IN	2	MB-73,154-9
-12A	L:EN FR OFF OUT	3	MB-73,154-8
		4	MB-73,154-7
		5	MB-73,154-6
-16A	C DO DET PULSE OUT(X)	6	MB-73,154-5
		7	MB-73,154-4
39-1	L:Y-R,B SELECT OUT	8	MB-73,154-3
-18B	DELAYED TDM-C OUT(X)	9	MB-73,154-2
-19B	DELAYED TDM-C OUT(G)	10	MB-73,154-1

CN145

	REG -12V	1	MB-73,155-10
	REG -12V	2	MB-73,155-9
	REG -12V	3	MB-73,155-8
		1	MB-73,155-7
6-7A	L:NORMAL/H:BID IN	5	MB-73,155-6
		6	MB-73,155-5
		7	MB-73,155-4
		8	MB-73,155-3
		9	MB-73,155-2
0A,B	C CLAMP INHIBIT IN	10	MB-73,155-1

CN146

		1
-11A	C SW'ING PULSE IN(X)	2
3-8B	RF EMVELOPE OUT (DT)	3
	REG +12V	4
		5
5-14	1/2 VD OUT	6
1-1B	SHAPED CTL OUT	7
1-1A	SHAPED CAP FG(A) OUT	8
1-2A	SHAPED CAP FG(B) OUT	9
-24A	DT UNREADY IN	10
3-4B	SERIAL DATA-9 OUT	11
3-3B	SERIAL DATA-3 IN	12

CN147

	GND	1
	GND	2
	GND	3
	GND	4
		5
-11A	STB CK-1 OUT	6
-12B	SYS CK-1 OUT	7
-21B	DT SW'ING PULSE OUT	8
-16A	Y SW'ING PULSE OUT	9
43-5	Y DO DET PULSE OUT(X)	10

CN901

MB-49,123-4	1	REG +5V OUT
MB-49,122-2	2	REG +5V OUT
MB-73,130-2	3	REG +5V OUT
MB-73,130-3	4	REG +5V OUT
MB-49,123-2	5	GND
MB-73,120-5	6	GND
MB-73,120-6	7	GND
MB-50,209-3	8	REG -5V OUT
MB-73,120-3	9	REG -5V OUT

CN903

AC IN (L)	1
	2
AC IN (N)	3
AC IN (L)	4
	5
AC IN (N)	6
	7
	8
	9
	10
	11
	12

SWITCHING REGULATOR

UR-09

CN902

MB-50,209-1	1	REG +12V OUT
MB-49,122-3	2	REG +12V OUT
MB-73,120-2	3	REG +11V OUT
MB-49,123-5	4	UNREG +9V OUT
MB-49,123-3	5	UNREG +15V OUT
MB-50,209-2	6	GND
MB-49,123-1	7	GND
MB-49,123-6	8	GND
MB-73,130-1	9	GND
MB-73,120-1	10	REG -12V OUT
MB-73,120-4	11	REG -11V OUT
MB-49,122-1	12	UNREG -15V OUT

CN119

CP-74,A	1	VIDEO CONTROL IN	107-7A
CP-74,B	2	CHROMA CONTROL IN	107-7B
CP-74,C	3	SET UP CONTROL IN	108-24B
CP-74,E	4	Y/C DELAY CONTROL	112-29A
CP-74,H	5	SYNC PHASE CONTROL IN	111-22A,B
CP-74,G	6	GND	
CP-74,-5	7	REG -5V OUT	
	8		

CN120

UR-09,902-10	1	REG -12V IN	
UR-09,902-3	2	REG +11V IN	
UR-09,901-9	3	REG -5V IN	
UR-09,902-11	4	REG -11V IN	
UR-09,901-6	5	GND	
UR-09,901-7	6	GND	

CN130

UR-09,902-9	1	GND	
UR-09,901-3	2	REG +5V IN	
UR-09,901-4	3	REG +5V IN	

CN135

CP-74,O	1	SYNC PHASE CONT(REM)	137-1
CP-74,N	2	HUE CONTROL(REMOTE)	137-2
CP-74,P	3	SC PHASE CONT(REMOTE)	137-3
CP-74,K	4	VIDEO CONTROL(REMOTE)	137-4
CP-74,M	5	SET UP CONTROL(REMOTE)	137-5
CP-74,L	6	CHROMA CONTROL(REMOTE)	137-6

CN136

SD-6,922-3	1	L:CTDM IN	112-25A
SD-6,922-4	2	H:8H ADVANCE OFF IN	112-27A
	3		111-14B
SD-6,922-6	4	TBC REF VIDEO IN(G)	111-23A,B
SD-6,922-5	5	TBC REF VIDEO IN(X)	111-24A,B

CN137

CN PANEL,568-1	1	SYNC PHASE CONT(REM)	135-1
CN PANEL,568-2	2	HUE CONTROL(REMOTE)	135-2
CN PANEL,568-3	3	SC PHASE CONT(REMOTE)	135-3
CN PANEL,568-4	4	VIDEO CONTROL(REMOTE)	135-4
CN PANEL,568-5	5	SET UP CONTROL(REMOTE)	135-5
CN PANEL,568-6	6	CHROMA CONTROL(REMOTE)	135-6
CN PANEL,568-15	7	REG +12V OUT	
CN PANEL,568-7	8	REG -12V OUT	
CN PANEL,568-8	9	GND	
CN PANEL,56E-9	10	GND	

CN150

MB-49,140-10	1	REG -12V	
MB-49,140-9	2	REG -12V	
MB-49,140-8	3	REG -12V	
MB-49,140-7	4	GND	
MB-49,140-6	5	GND	
MB-49,140-5	6	GND	
MB-49,140-4	7	GND	
MB-49,140-3	8	REG +12V	
MB-49,140-2	9	REG +12V	
MB-49,140-1	10	REG +12V	

CN151

MB-49,141-10	1	REG +5V OUT	
MB-49,141-9	2	REG +5V OUT	
MB-49,141-8	3	CF PULSE OUT	111-11B
MB-49,141-7	4	L:MODE-EDIT IN	112-24A
MB-49,141-6	5	TBC Y OUT (X)	107-6A,B
MB-49,141-5	6	TBC Y OUT (G)	107-5A,B
MB-49,141-4	7	TBC B-Y OUT (X)	107-4A,B
MB-49,141-3	8	TBC B-Y OUT (G)	107-3A,B
MB-49,141-2	9	TBC R-Y OUT (X)	107-2A,B
MB-49,141-1	10	TBC R-Y OUT (G)	107-1A,B

CN107,108 PR-48
CN109,110 MY-17
CN111,112 CK-14

MB-73

CN152

112-2A	BF OUT	1	MB-49,142-1
111-20B	4fsc (+) IN	2	MB-49,142-2
111-4B	C BLKG OUT	3	MB-49,142-3
10109,111-7B,107-10B	R ZERO OUT	4	MB-49,142-4
111-7A 109-7B	+V/-V OUT	5	MB-49,142-5
111-20A	4fsc (-) IN	6	MB-49,142-6
111-13A	H:INT/L:EXT OUT	7	MB-49,142-7
111-15A	REF SYNC OUT	8	MB-49,142-8
111-15B	1st FIELD PULSE OUT	9	MB-49,142-9
111-14A	BG PULSE OUT	10	MB-49,142-10

CN153

108-26B	ADVANCED Y IN(G)	1	MB-49,143-10
108-29A,B	R-Y/B-Y IN(X)	2	MB-49,143-9
108-27B	ADVANCED Y IN(X)	3	MB-49,143-8
108-28A,B	R-Y/B-Y IN(G)	4	MB-49,143-7
108-27A	DEMOD'ED Y IN(X)	5	MB-49,143-6
110-24A	Y DO DET PULSE IN(X)	6	MB-49,143-5
111-17B	H:IN PHASE IN	7	MB-49,143-4
108-26A	DEMOD'ED Y IN(G)	8	MB-49,143-3
107-10A	CR DO OUT(X)	9	MB-49,143-2
111-6A,109-6A	FIELD O/E OUT	10	MB-49,143-1

CN154

108-24A	DELAYED TDM-C IN(G)	1	MB-49,144-10
108-23A	DELAYED TDM-C IN(X)	2	MB-49,144-9
112-26A	L:Y-R,B SELECT IN	3	MB-49,144-8
		4	MB-49,144-7
110-23	C DO DET PULSE IN(X)	5	MB-49,144-6
		6	MB-49,144-5
		7	MB-49,144-4
112-9A	L:EN FR OFF OUT	8	MB-49,144-3
112-16A	SPARE EN CK-1 OUT	9	MB-49,144-2
112-10A	H:SHIFT OFF IN	10	MB-49,144-1

CN155

111-6B	L:C CLAMP INHIBIT OUT	1	MB-49,145-10
		2	MB-49,145-9
		3	MB-49,145-8
		4	MB-49,145-7
		5	MB-49,145-6
112-7A	L:NORMAL/H:BID IN	6	MB-49,145-5
		7	MB-49,145-4
	REG -12V OUT	8	MB-49,145-3
	REG -12V OUT	9	MB-49,145-2
	REG -12V OUT	10	MB-49,145-1

CN156

108-30A	SPEED	1
108-30B,112-28A	SPEED GND	2
108-18A	CLAMP CR	3
110-29A	SKP	4
110-28A	V	5
110-27A	V SELECT	6
112-21A	C SH OUT	7
112-22A,108-22B	Y SH OUT	8
	DT	9
		10
		11
	REG +12V	12

40P FLAT CABLE

CN513

SY-4,1-2	1	CUT-IN STS IN
SY-4,1-1	2	FFWD CMD OUT
SY-4,1-4	3	VIDEO INSERT CMD OUT
SY-4,1-3	4	PLAY CMD OUT
SY-4,1-6	5	AUDIO-1 INS CMD OUT
SY-4,1-5	6	REW CMD OUT
SY-4,1-8	7	AUDIO-2 INS CMD OUT
SY-4,1-7	8	EJECT CMD OUT
SY-4,1-10	9	CTL IN
SY-4,1-9	10	STOP CMD OUT
SY-4,1-12	11	SEARCH CMD B OUT
SY-4,1-11	12	PAUSE CMD OUT
SY-4,1-14	13	SEARCH CMD A OUT
SY-4,1-13	14	REC CMD OUT
SY-4,1-16	15	REVERCE CMD OUT
SY-4,1-15	16	CUT-IN CMD OUT
SY-4,1-18	17	TACH IN
SY-4,1-17	18	EDIT CMD OUT
SY-4,1-20	19	CAPSTAN LOCK IN
SY-4,1-19	20	CUT-OUT CMD OUT
SY-4,1-22	21	SYNCHRONIZE
SY-4,1-21	22	FFWD STS IN
SY-4,1-24	23	PAUSE STS-2 IN
SY-4,1-23	24	PLAY STS IN
SY-4,1-26	25	STANDBY STS IN
SY-4,1-25	26	REW STS IN
SY-4,1-28	27	PAUSE STS-1 IN/OUT
SY-4,1-27	28	STOP STS IN
SY-4,1-30	29	SEARCH CMD OUT
SY-4,1-29	30	REC STS IN
SY-4,1-32	31	X MIT (+) IN
SY-4,1-31	32	X MIT (-) IN
SY-4,1-34	33	RCV (-) OUT
SY-4,1-33	34	RCV (+) OUT
SY-4,1-36	35	
SY-4,1-35	36	NORMAL FWD OUT
SY-4,1-38	37	STILL TENSION OUT
SY-4,1-37	38	
SY-4,1-40	39	
SY-4,1-39	40	

CN514

UNREG +9V OUT	1	M904 FAN MOTOR
	2	
UNREG -15V OUT	3	

CN515

UNREG +9V OUT	1	M905 FAN MOTOR
	2	
UNREG -15V OUT	3	

CN511 REMOTE-2(36P)

CN512 REMOTE-1(9P)

PIGTAIL

SD-6,924-1	0	UNREG -15V IN	
SD-4,924-2	4	UNREG +9V IN	
SD-4,924-3	8	GND	
	0	CHASSIS GND	

RM-24

CN921

		1	
CP-62,541-6	9	2	L:8H ADV OFF CONT OUT
CP-62,541-9	9	3	REF VIDEO IN(X)
CP-62,541-10	80	4	REF VIDEO IN(G)
CP-62,541-2	8	5	L:AUTO/H:EXT IN
CN PANEL,570	9	6	REF VIDEO OUT(X) BNC
CN PANEL,570	99	7	REF VIDEO OUT(G)
CN PANEL,557-9	9	8	DUB REF VIDEO OUT(X)
CN PANEL,557-10	26	9	DUB REF VIDEO OUT(G)
CP-62,541-7	9	10	DUB REF IN(X)
CP-62,541-8	82	11	DUB REF IN(G)
CP-62,541-3	7	12	L:8H ADVANCE OFF IN

CN922

MB-49,133-1	9	1	REF VIDEO OUT(X) EN
MB-49,133-2	80	2	REF VIDEO OUT(G)
MB-73,136-1	9	3	L:CTDM OUT
MB-73,136-2	82	4	H:8H ADVANCE OFF OUT
MB-50,217-1	9	5	C-C SYNC IN(X)
MB-50,217-2	83	6	C-C SYNC IN(G)
MB-49,133-7	9	7	SV SYNC OUT(X)
MB-49,133-6	84	8	SV SYNC OUT(G)
MB-49,133-3	9	9	H:PLAYER NOR FWD IN
MB-49,133-4	86	10	L:8H ADVANCE OFF OUT

CN923

MB-49,134-6	2	1	REG +12V IN
MB-49,134-5	4	2	REG +5V IN
MB-49,134-8	6	3	REG -5V IN
MB-49,134-7	8	4	REG -12V IN
MB-73,136-5	9	5	TBC REF VIDEO OUT(X)
MB-73,136-4	89	6	TBC REF VIDEO OUT(G)
MB-49,133-8	91	7	L:MODE-EDIT IN
MB-49,134-4	0	8	GND
MB-50,217-3	92	9	L:CTDM IN
MB-49,134-1	0	10	GND
MB-49,134-2	1	11	UNREG +9V IN
MB-49,134-3	9	12	UNREG -15V IN

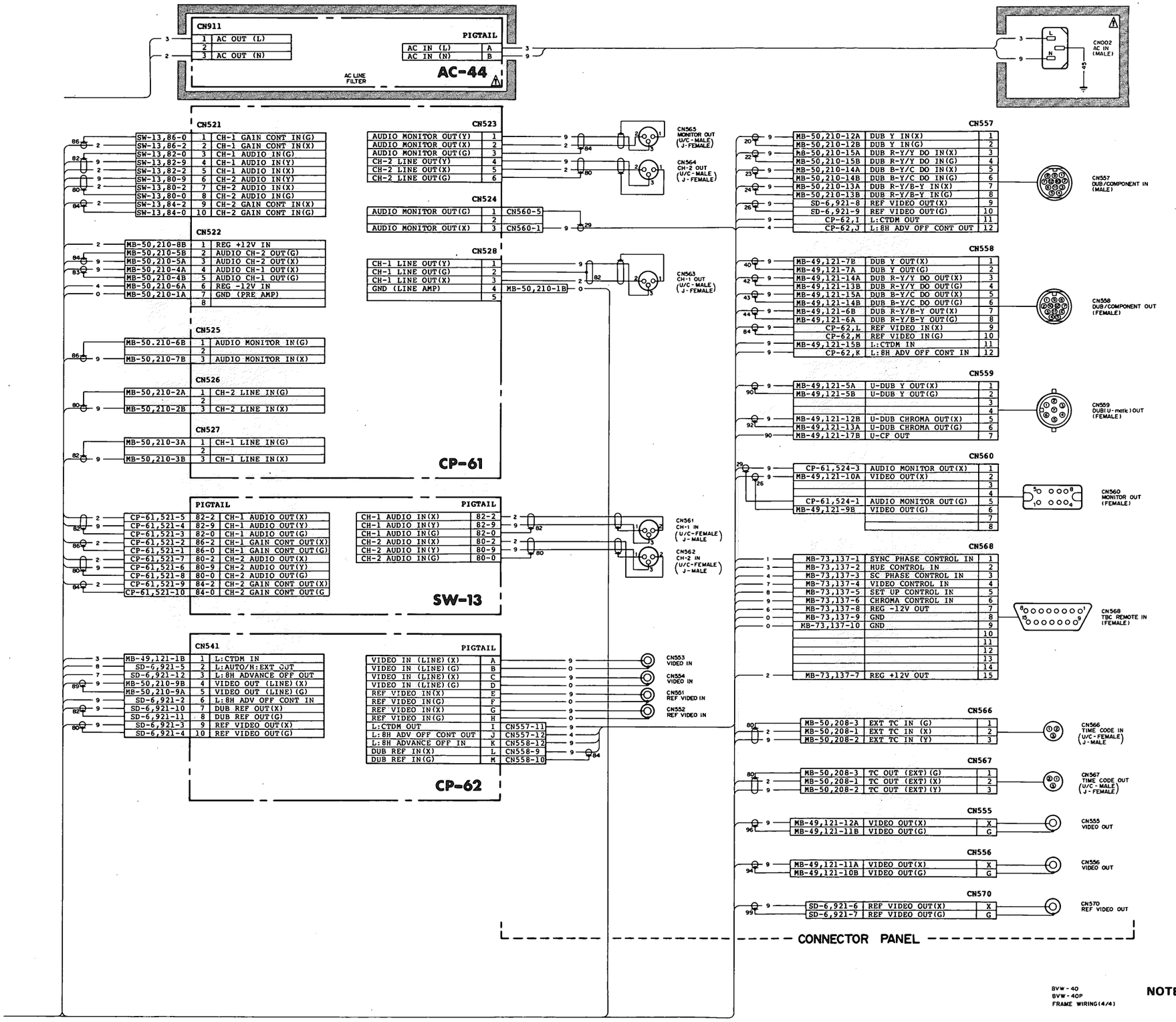
CN924

RM-24,0	0	1	UNREG -15V OUT
RM-24,4	4	2	UNREG +9V OUT
RM-24,8	8	3	GND

SD-6

BVW-40
BVW-40P
FRAME WIRING (3/4)

FRAME WIRING (4/4)



BVW-40
BVW-40P
FRAME WIRING(4/4)

NOTE: **The shaded and ⚠ -marked components are critical to safety.**
Replace only with same components as specified.

SECTION 19
SPARE PARTS AND FIXTURE

19-1. PARTS INFORMATION

1. Safety Related Component Warning
   Components identified by shading marked with ⚠ on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose parts numbers appear as shown in this manual or in service bulletins and service manual supplements published by Sony.
2. Replacement Parts supplied from Sony Parts Center will sometimes have different shape and outside view from the parts which actually in use. This is due to "accommodating the improved parts and/or engineering changes" or "standardization of genuine parts".
   . This manual's exploded views and electrical spare parts lists are indicating the parts numbers of "the standardized genuine parts at present".
   . Regarding engineering parts changes in our engineering department, refer Sony service bulletins and service manual supplements.
3. The parts as shown "S" in SP space on the exploded views and electrical spare parts list are normally stocked for replacement purposes. The parts as shown "O" in SP space are not normally required for routine service work. Orders for parts as shown "O" will be processed, but allow for additional delivery time.
4. Item with no part number and/or no description are not stocked because they are seldom required for routine service.
5. (T) after a spring description is shown on the exploded views in order to indicate the number of a spring turn required for the use.
   (Example)
   Spring, tension (24T); This spring must be cut at its 24th turn for actual use.

19-2. EXPLODED VIEW

. Exploded views are composed of the following blocks.

(1) Take-up Side Reel Chassis
   take-up reel table
   take-up side brake
   reel motor
   tape beginning sensor

(2) Supply Side Reel Chassis
   supply reel table
   supply side brake
   reel motor

(3) Head Drum, Stationary Heads and Tape Guides Block
   head drum assy
   CTL/full erase heads
   audio/TC heads
   tape guide
   capstan motor

(4) Threading Ring Block
   threading ring

(5) Pinch Press Mechanism Block
   pinch press mechanism

(6) Supply Tension Regulator Block
   supply tension regulator

(7) Gear Box Block
   gear box

(8) Level Control Chassis Block
   level control chassis

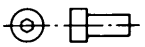
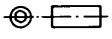
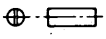
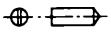
(9) Function Control Chassis Block
   function control chassis
   search dial
   hinge

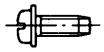
(10) Connector Panel Block
   connector panel
   ventilation fun

(11) TBC Control Block
   TBC control block
   hours meter

(12) Chassis Block (1)
   mother board

(13) Chassis Block (2)
(14) Cassette-up Compartment Block
cassette-up compartment
(15) Ornamental Panel Block (1)
function control panel
level control panel
(16) Ornamental Panel Block (2)
side panel
top panel
(17) Printed Circuit Board Block (1)
printed circuit board
(18) Printed Circuit Board Block (2)
shield case

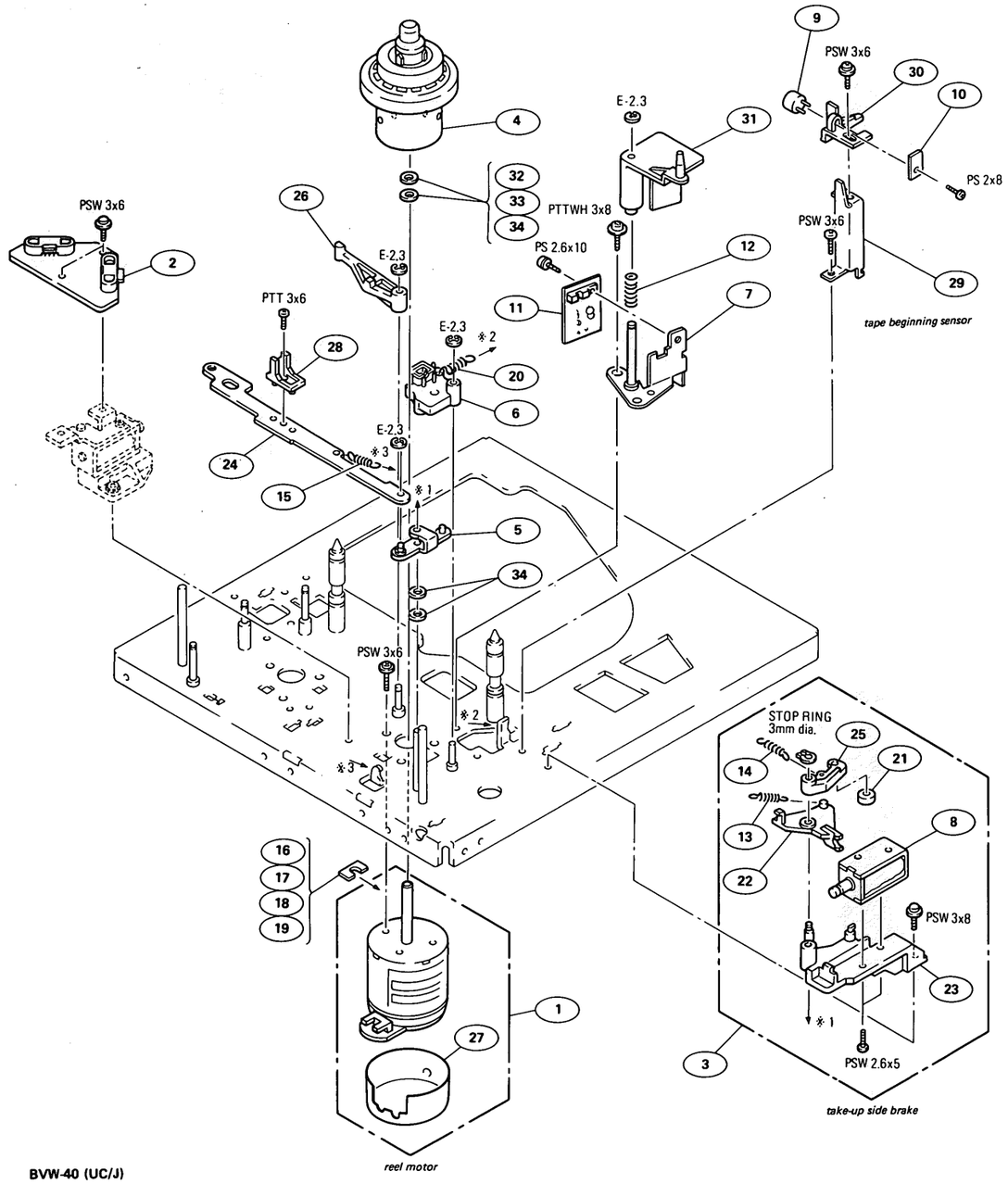
	HEXAGON SOCKET SCREW 	HEXAGON SET SCREW 	(–) SET SCREW FLAT POINT 	(–) SET SCREW CONE POINT 
2.6 x 3	———	7-621-734-09	———	———
2.6 x 4	7-621-996-24	7-621-735-09	———	———
2.6 x 5	———	7-621-736-09	———	———
2.6 x 6	7-683-412-05	———	———	7-621-712-55
2.6 x 8	7-683-413-05	———	———	7-621-712-65
2.6 x 10	———	———	———	7-621-712-75
3 x 4	———	7-683-238-01	———	———
3 x 5	———	———	7-683-175-01	———
3 x 6	7-683-403-04	———	7-683-176-01	7-683-176-21
3 x 8	7-683-404-04	———	———	7-683-177-21
3 x 10	7-683-405-04	———	———	7-683-178-21
3 x 12	———	———	———	7-683-179-21

	PS 	PSW 	B (BZn-N) 	B (Cr-N) 	PTT 	PTTWH 
2.6 x 4	7-621-972-05	———	7-621-912-10	7-621-912-18	———	7-687-508-31
2.6 x 6	7-621-972-25	7-621-981-15	7-621-912-30	7-621-912-38	———	7-687-501-31
2.6 x 8	7-621-972-35	7-621-981-25	7-621-912-40	7-621-912-48	———	7-687-502-31
2.6 x 10	7-621-972-45	7-621-981-35	7-621-912-50	7-621-912-58	———	7-687-503-31
2.6 x 12	7-621-972-55	7-621-981-45	7-621-912-60	7-621-912-68	———	7-687-504-31
2.6 x 14	7-621-972-65	7-621-981-55	7-621-912-70	7-621-912-78	———	7-687-505-31
2.6 x 16	7-621-972-75	7-621-981-65	7-621-912-80	7-621-912-88	———	7-687-506-31
2.6 x 20	7-621-972-85	7-621-981-75	7-621-912-90	7-621-912-98	———	7-687-507-31
3 x 5	7-686-446-01	———	———	———	———	———
3 x 6	7-686-447-01	7-686-527-01	7-686-624-09	7-686-624-04	7-687-411-31	7-687-510-31
3 x 8	7-686-448-01	7-686-528-01	7-686-625-09	7-686-625-04	7-687-412-31	7-687-511-31
3 x 10	7-686-449-01	7-686-529-01	7-686-626-09	7-686-626-04	7-687-413-31	7-687-512-31
3 x 12	7-686-450-01	7-686-530-01	7-686-627-09	7-686-627-04	7-687-414-31	7-687-513-31
3 x 16	7-686-452-01	7-686-532-01	7-686-629-09	7-686-629-04	———	———
3 x 20	7-686-453-01	7-686-533-01	7-686-630-09	7-686-630-04	———	———
3 x 25	7-686-454-01	7-686-534-01	7-686-631-09	7-686-631-04		
4 x 8	7-686-468-01	7-686-548-01	7-686-635-09	7-686-635-04	———	———
4 x 12	7-686-470-01	7-686-550-01	7-686-637-09	7-686-637-04	———	———
4 x 14	7-686-471-01	———	7-686-638-09	7-686-638-04	———	———
4 x 16	7-686-472-01	———	7-686-639-09	7-686-639-04	———	———
4 x 20	7-686-473-01	———	7-686-640-09	7-686-640-04	———	———

	FLAT WASHER SMALL W.	FLAT WASHER MIDDLE W.	SPRING WASHER SW.	TOOTHED WASHER TYPE B LW.	HEXAGON NUT N.
2.6 mm	7-688-002-01	7-688-002-12	7-623-207-22	7-623-421-07	7-622-207-05
3 mm	7-688-003-01	7-688-003-12	7-688-003-11	7-623-422-07	7-684-023-04
4 mm	7-688-004-01	7-688-004-12	7-623-210-22	7-623-423-07	7-684-024-04
5 mm	7-688-005-01	7-688-005-01	7-623-212-22	———	7-684-025-04

	STOP RING E TYPE E.
2	7-624-104-04
2.3	7-624-105-04
3	7-624-106-04
4	7-624-108-04
5	7-624-109-04
6	7-624-110-04

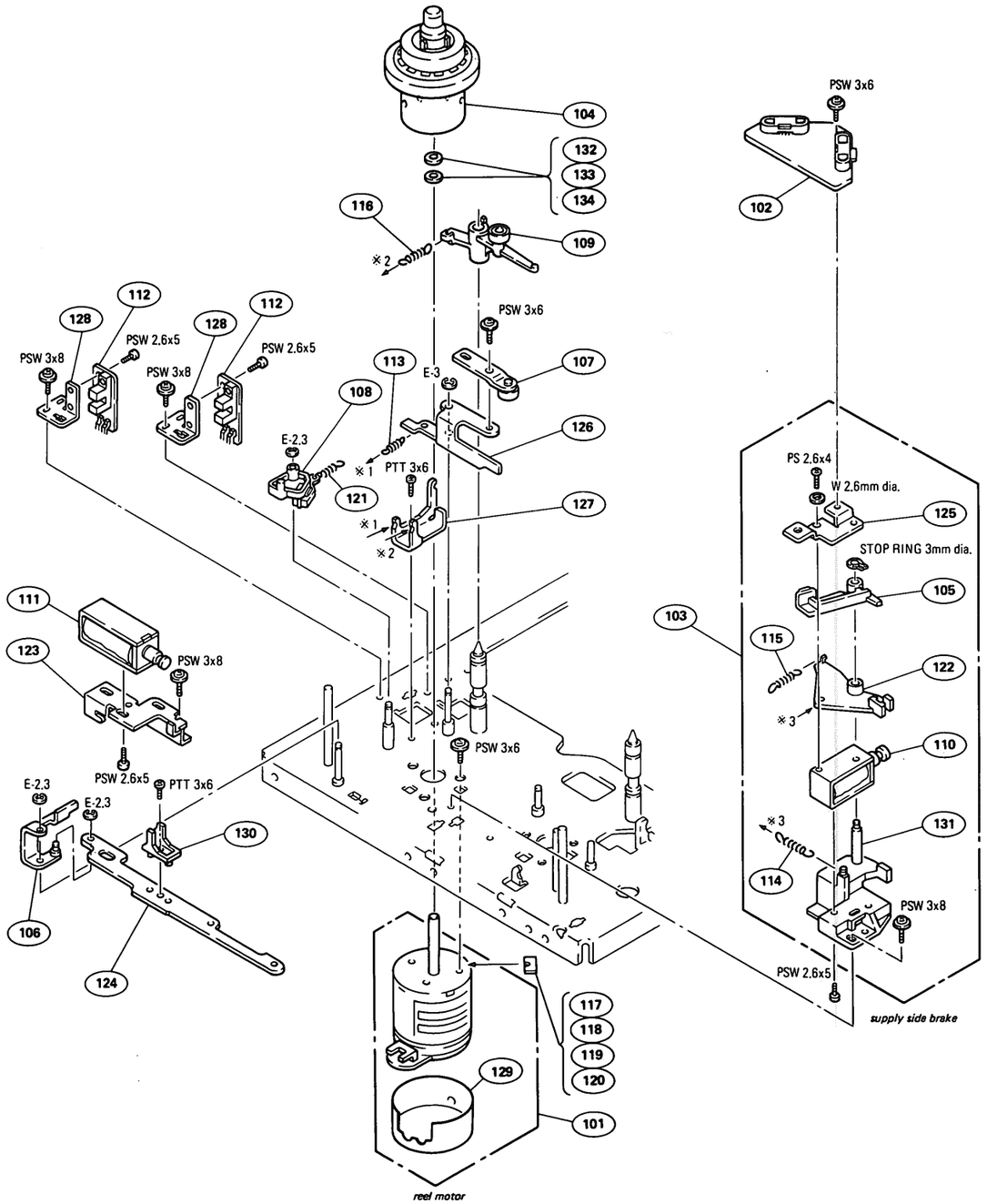
Take-up Side Reel Chassis



BVW-40 (UC/J)

No.	Parts No.	SP	Description
1	A-6737-113-B	s	MOTOR ASSY, REEL
2	A-6739-018-A	s	PC BOARD ASSY, DM
3	A-6741-044-B	s	BRAKE ASSY, T
4	X-3675-801-3	s	TABLE ASSY, REEL
5	X-3675-804-0	o	ARM ASSY, TB
6	X-3675-818-0	s	BRAKE ASSY, M
7	X-3683-502-0	o	PLATE ASSY, MR
8	1-454-336-00	s	SOLENOID, PLUNGER "T-BRAKE"
9	1-459-051-00	s	HEAD, SENSING
10	1-586-946-00	o	PRINTED CIRCUIT BOARD, SS-8
11	1-609-094-11	s	PRINTED CIRCUIT BOARD, MS-12
12	3-434-052-00	s	SPRING, COMPRESSION
13	3-489-310-XX	s	SPRING, TENSION (18T)
14	3-508-108-XX	s	SPRING, TENSION (17T)
15	3-575-358-00	s	SPRING, TENSION
16	3-630-035-01	s	SPACER, VIDEO HEAD (0.01T)
17	3-630-035-11	s	SPACER, VIDEO HEAD (0.02T)
18	3-630-035-21	s	SPACER, VIDEO HEAD (0.03T)
19	3-630-035-31	s	SPACER, VIDEO HEAD (0.04T)
20	3-648-452-00	s	SPRING, TENSION
21	3-654-617-03	s	RUBBER, T BRAKE
22	3-654-618-00	o	LIMITER, T BRAKE
23	3-654-619-00	o	CHASSIS, T BRAKE
24	3-675-815-00	o	JOINT, MB
25	3-675-816-00	o	TABLE, BRAKE, T
26	3-675-825-00	o	ARM, RELEASE
27	3-675-826-00	o	COVER, SHIELD, RM
28	3-675-833-00	o	HOLDER, MB
29	3-677-701-00	o	BRACKET, T SENSOR
30	3-677-702-00	o	HOLDER, T SENSOR
31	3-683-557-01	o	LEVER, MR
32	3-701-441-01	s	WASHER, POLY 4MM DIA. (0.13T)
33	3-701-441-11	s	WASHER, POLY 4MM DIA. (0.25T)
34	3-701-441-21	s	WASHER, POLY 4MM DIA. (0.5T)

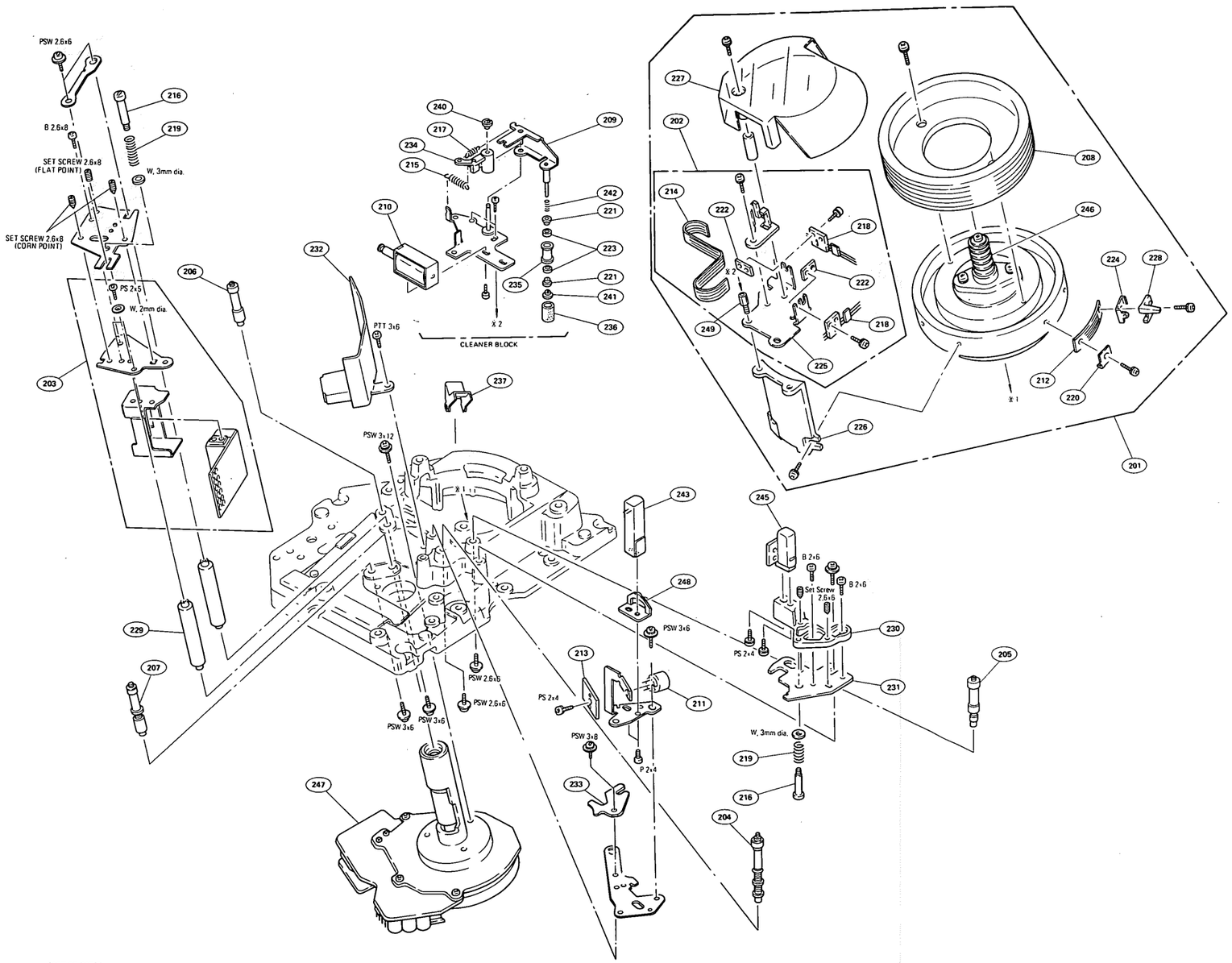
Supply Side Reel Chassis



BVW-40 (UC/J)

No.	Parts No.	SP	Description
101	A-6737-113-B	s	MOTOR ASSY, REEL
102	A-6739-018-A	s	PC BOARD ASSY, DM
103	A-6741-045-A	o	BRAKE ASSY, S
104	X-3675-801-3	s	TABLE ASSY, REEL
105	X-3675-803-0	s	ARM ASSY, S BRAKE
106	X-3675-805-0	o	ARM ASSY, SB
107	X-3675-806-0	o	PLATE ASSY, ADJUSTMENT, R
108	X-3675-818-0	s	BRAKE ASSY, M
109	X-3675-833-0	o	ARM ASSY, TE
110	1-454-336-00	s	SOLENOID, PLUNGER "S-BRAKE"
111	1-454-337-00	s	SOLENOID, PLUNGER "MAIN BRAKE"
112	1-608-060-00	O	PRINTED CIRCUIT BOARD, TE-2
113	2-245-253-00	s	SPRING
114	3-534-558-00	s	SPRING, TENSION
115	3-568-814-00	s	SPRING, TENSION
116	3-575-358-00	s	SPRING, TENSION
117	3-630-035-01	s	SPACER, VIDEO HEAD (0.01T)
118	3-630-035-11	s	SPACER, VIDEO HEAD (0.02T)
119	3-630-035-21	s	SPACER, VIDEO HEAD (0.03T)
120	3-630-035-31	s	SPACER, VIDEO HEAD (0.04T)
121	3-648-452-00	s	SPRING, TENSION
122	3-675-803-00	o	LIMITER, S BRAKE
123	3-675-810-00	o	BASE, MB SOLENOID
124	3-675-815-00	o	JOINT, MB
125	3-675-818-00	o	BRACKET, DM
126	3-675-819-00	o	ARM, RING
127	3-675-820-00	o	HOOK, SPRING
128	3-675-821-00	o	BRACKET, TE
129	3-675-826-00	o	COVER, SHIELD, RM
130	3-675-833-00	o	HOLDER, MB
131	3-675-838-00	o	BASE, S BRAKE
132	3-701-441-01	s	WASHER, POLY 4MM DIA. (0.13T)
133	3-701-441-11	s	WASHER, POLY 4MM DIA. (0.25T)
134	3-701-441-21	s	WASHER, POLY 4MM DIA. (0.5T)

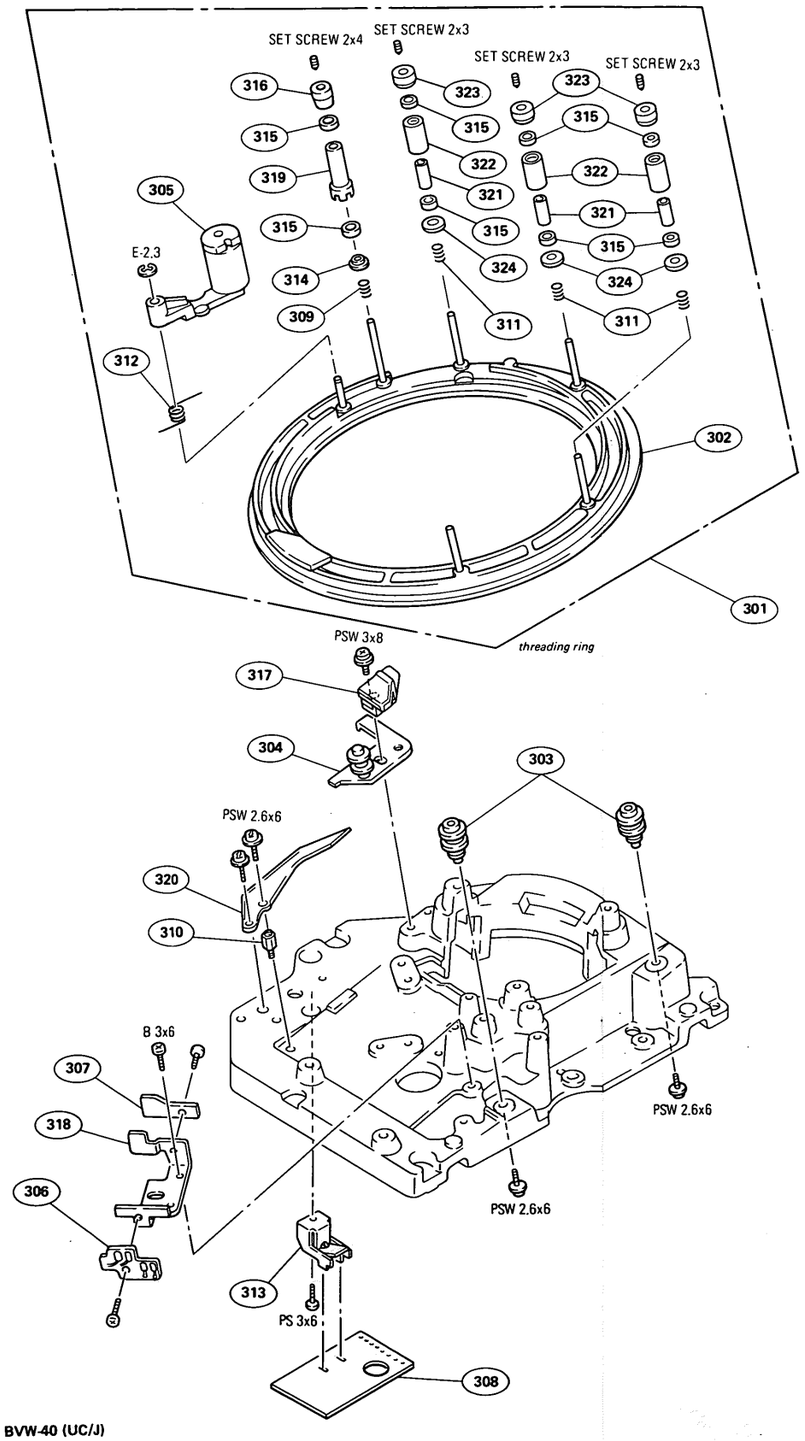
Head Drum, Stationary Heads and Tape Guides Block



BVW-40 (UC/J)
BVW-40P (AEP)

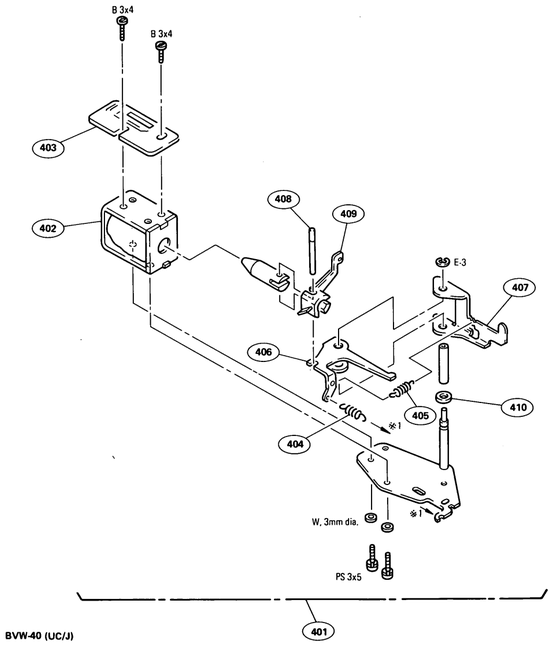
No.	Parts No.	SP	Description
201	A-6050-264-A	s	HEAD DRUM ASSY, DSH-45A-R
202	A-6709-452-A	o	BRUSH ASSY
203	A-6736-041-A	s	HEAD ASSY, AT
204	A-6746-027-A	s	ROLLER (TG1N) ASSY, TAPE
205	A-6746-028-A	s	ROLLER (TG2) ASSY, TAPE
206	A-6746-029-A	s	ROLLER (TG3) ASSY, TAPE
207	A-6746-030-A	s	ROLLER (TG4) ASSY, TAPE
208	A-6762-183-A	s	DRUM ASSY, UPPER DSR-45-R
209	X-3675-854-1	o	LEVER ASSY, C
210	1-454-372-11	s	SOLENOID, PLUNGER "CLEANER"
211	1-459-051-00	s	HEAD, SENSING
212	1-586-633-00	s	CONDENSATION SENSOR
213	1-586-946-00	o	PRINTED CIRCUIT BOARD, SS-8
214	1-611-563-00	o	PRINTED CIRCUIT BOARD, SR-21
215	3-140-263-XX	s	SPRING, TENSION (23T)
216	3-437-173-02	o	SCREW, HEAD ADJUSTING
217	3-542-475-00	s	SPRING, TENSION
218	3-607-104-00	o	BRUSH
219	3-653-350-00	s	SPRING, COMPRESSION
220	3-655-631-00	o	TERMINAL, GROUND
221	3-655-966-00	s	SPACER, STEP
222	3-665-001-00	o	NUT, PLATE
223	3-669-443-00	s	BEARING, BALL
224	3-675-701-00	o	TERMINAL BOARD
225	3-675-727-00	o	DECK, BRUSH
226	3-675-728-00	o	STUD, BRUSH SUPPORT
227	3-675-730-00	o	COVER, BRUSH
228	3-675-739-00	o	SPACER, INSULATING (2)
229	3-675-804-00	o	BRACKET, ADJUSTMENT PLATE
230	3-675-842-00	o	PLATE, ADJUSTMENT, CTL
231	3-675-846-00	o	BASE, CTL HEAD
232	3-677-715-03	o	PLATE (B), SHIELD, AT
233	3-677-794-00	o	SUPPORT, CAPSTAN
234	3-680-839-01	o	LEVER (2), C
235	3-680-840-01	o	ROLLER (1), C
236	3-680-841-01	s	ROLLER (2), C
237	3-683-567-00	o	GUARD, D.H
238	3-683-568-00	o	CASE (1), SHIELD
239	3-683-572-00	s	HOLDER (2), CONNECTOR
240	3-703-074-00	s	CAP 3, SHAFT
241	3-703-075-00	s	CAP 2, SHAFT
242	4-879-762-00	s	SPRING, COMPRESSION
243	8-825-544-20	s	HEAD, ERASE
245	8-825-554-72	s	HEAD, CTL (PS244-21A)
246	8-825-680-40	s	RING ASSY, SLIP
247	8-838-067-01	s	MOTOR, DC (BHF-1912B)
248	3-683-633-01	o	PAD, FE CORE (UC:S/N 10246 AND LATER) (J :S/N 10196 AND LATER) (P :S/N 10061 AND LATER)
249	3-680-844-11	o	SPACER

Threading Ring Block



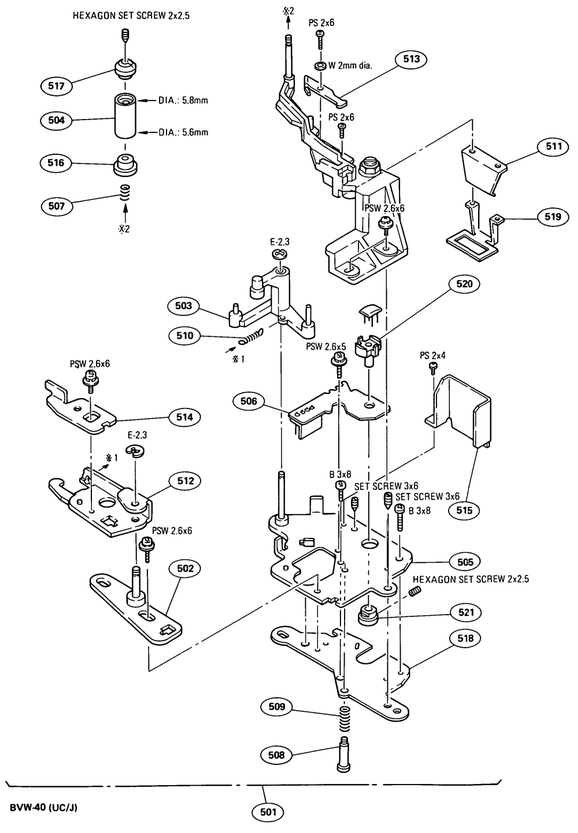
No.	Parts No.	SP	Description
301	A-6750-153-E	o	RING ASSY, LOADING
302	X-3675-807-0	s	RING SUB ASSY, THREADING
303	X-3675-809-0	o	ROLLER (A) ASSY, RING
304	X-3675-810-0	o	ROLLER (B) ASSY, RING
305	X-3675-850-3	s	ARM ASSY, PINCH ROLLER
306	1-608-053-00	o	PRINTED CIRCUIT BOARD, LE-19
307	1-608-054-00	o	PRINTED CIRCUIT BOARD, PH-16
308	1-608-056-00	o	PRINTED CIRCUIT BOARD, HE-5
309	2-217-533-00	s	SPRING, COMPRESSION
310	2-270-601-00	o	SUPPORT
311	3-637-331-00	s	SPRING, COMPRESSION (L)
312	3-653-396-00	s	SPRING
313	3-653-487-00	o	BRACKET, RESISTOR
314	3-655-966-00	s	SPACER, STEP
315	3-669-443-00	s	BEARING, BALL
316	3-675-823-00	s	FLANGE, PRECEDING GUIDE
317	3-675-849-00	o	STOPPER, TAPE
318	3-675-862-00	o	BRACKET, DETECTION, ROTOR
319	3-677-718-04	s	ROLLER, PRECEDING GUIDE
320	3-680-803-00	o	LEVER
321	3-680-809-00	s	RETAINER, BEARING
322	3-680-810-00	s	ROLLER
323	3-680-811-00	s	FLANGE, UPPER
324	3-680-812-00	s	FLANGE, LOWER

Pinch Press Mechanism Block



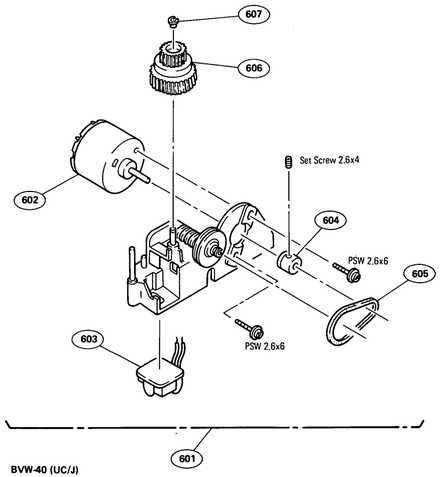
No.	Parts No.	SP	Description
401	A-6749-078-C	s	MECHA ASSY, PINCH PRESS
402	1-454-338-00	s	SOLENOID, PLUNGER "PINCH"
403	1-611-993-11	o	PRINTED CIRCUIT BOARD, PD-22
404	3-446-165-00	s	SPRING, TENSION
405	3-645-168-00	s	SPRING, TENSION
406	3-653-379-00	o	LEVER (A), PINCH COMPRESSION
407	3-653-380-02	o	LEVER (B), PINCH COMPRESSION
408	3-653-381-00	o	PIN, SOLENOID
409	3-653-383-00	o	STOPPER, SLACK SENSOR
410	3-701-441-21	s	WASHER, POLY 4MM DIA. (0.5T)

Supply Tension Regulator Block



No.	Parts No.	SP	Description
501	A-6742-045-D	s	REGULATOR ASSY, TENSION
502	X-3675-828-2	o	HOOK ASSY, TENSION REGULATOR
503	X-3675-829-3	o	ARM ASSY, REWIND
504	X-3675-851-0	s	ROLLER ASSY, TR
505	X-3675-852-0	o	PLATE ASSY, ADJUSTMENT, TR
506	1-611-279-00	o	PRINTED CIRCUIT BOARD, TR-18
507	2-618-901-00	o	SPRING
508	3-437-173-02	o	SCREW, HEAD ADJUSTING
509	3-653-350-00	s	SPRING, COMPRESSION
510	3-661-382-00	s	SPRING, TENSION
511	3-675-872-00	o	SPRING, LEAF
512	3-675-880-00	o	ARM, HOOK, TENSION REGULATOR
513	3-675-882-00	o	PLATE, ADJUSTMENT, REWIND
514	3-675-883-00	o	PLATE, ADJUSTMENT, HOOK
515	3-675-885-02	o	PLATE, SHIELD, T-DME
516	3-677-749-03	s	RETAINER, B
517	3-677-752-00	s	NUT, ADJUSTMENT, T
518	3-680-824-00	o	BRACKET, TR
519	3-680-825-00	o	PROTECTOR
520	3-680-830-01	s	HOLDER, DME
521	3-680-831-00	o	COLLAR, DME

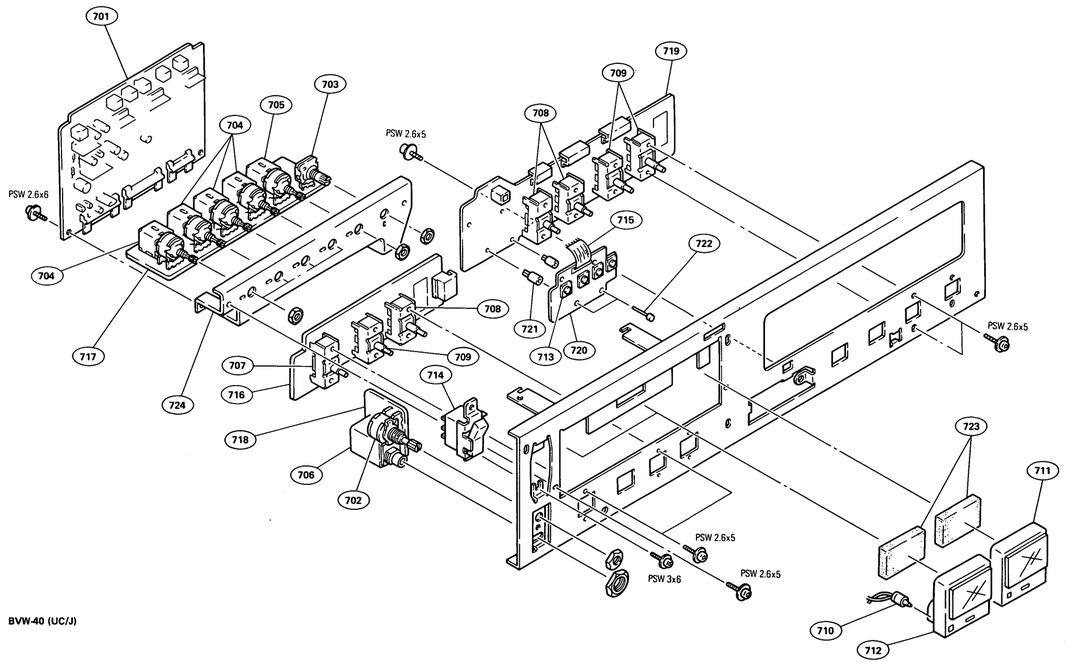
Gear Box Block



BVW-40 (UC/J)

No.	Parts No.	SP	Description
601	A-6750-141-A	s	BOX ASSY, GEAR
602	1-541-163-00	s	MOTOR "THREADING"
603	1-585-913-00	o	PRINTED CIRCUIT BOARD, LM-4
604	3-653-386-00	o	PULLEY (2), LM
605	3-653-387-00	s	BELT, LM
606	3-653-388-00	s	GEAR, DRIVE
607	3-703-074-00	s	CAP 3, SHAFT

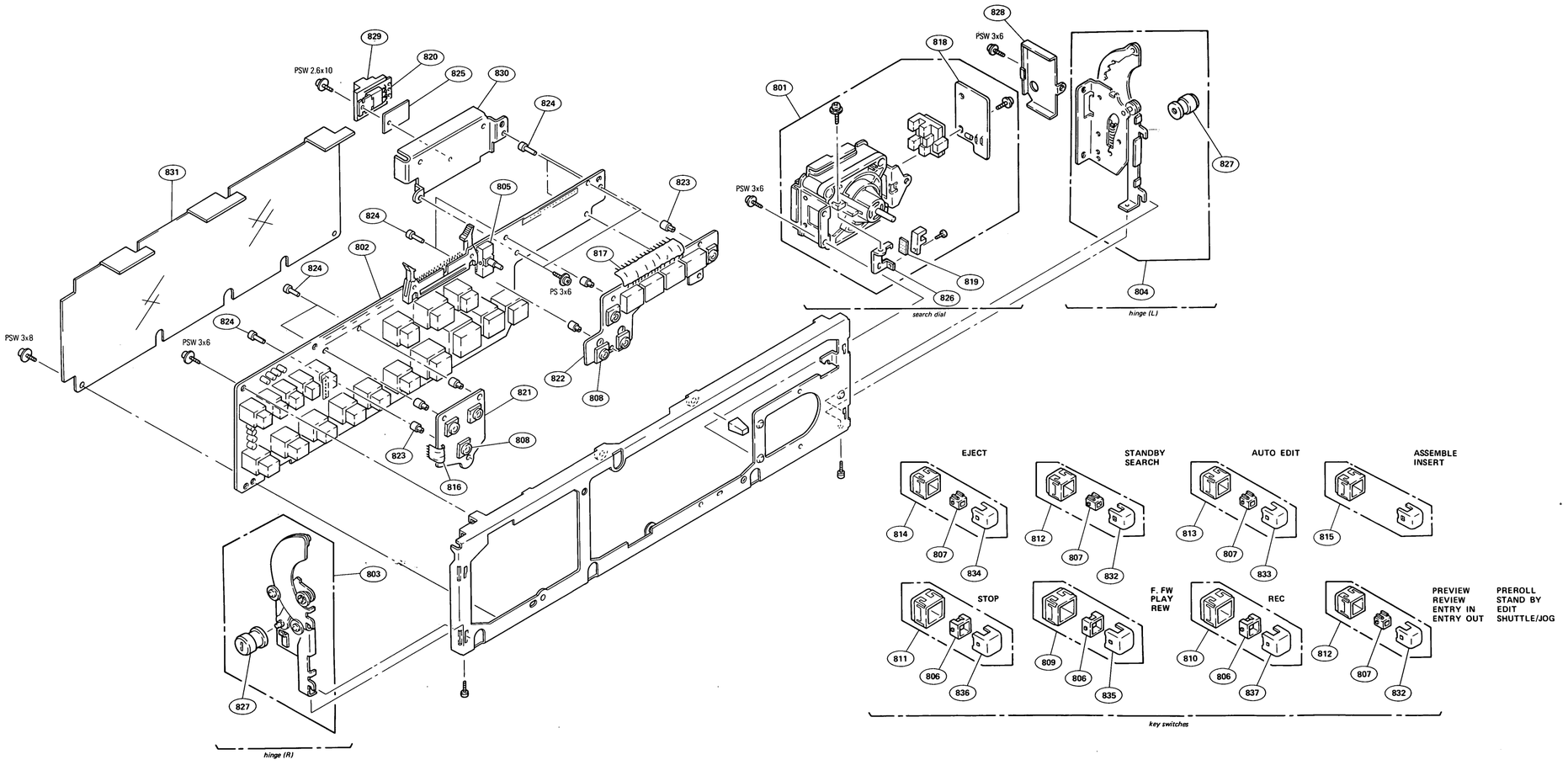
Level Control Chassis Block



BVW-40 (UC/J)

No.	Parts No.	SP	Description
701	A-6713-189-A	o	MOUNTED CIRCUIT BOARD, BF-7
702	1-226-140-00	s	RES, VAR 20K/20K "HEADPHONES"
703	1-230-339-11	s	RES, VAR, CARBON 100K
704	1-230-340-11	s	RES, VAR, CARBON (WITH SW) 10K
705	1-230-341-11	s	RES, VAR, CARBON (WITH SW) 10K
706	1-507-553-00	s	JACK "HEADPHONES"
707	1-516-963-00	s	SWITCH, LEVER SLIDE
708	1-516-994-00	s	SWITCH, LEVER SLIDE
709	1-516-995-00	s	SWITCH, LEVER SLIDE
710	1-518-461-00	s	LAMP, PILOT
711	1-520-438-00	s	METER, VIDEO
712	1-520-439-00	s	METER, VU
713	1-552-539-00	s	SWITCH, KEY BOARD
⚠714	1-554-256-00	s	SWITCH, LOCKER
715	1-557-236-11	o	FLAT CABLE, 6P
716	1-611-543-00	o	PRINTED CIRCUIT BOARD, SW-6
717	1-611-544-00	o	PRINTED CIRCUIT BOARD, VR-10
718	1-611-545-00	o	PRINTED CIRCUIT BOARD, HP-11
719	1-611-546-00	o	PRINTED CIRCUIT BOARD, SW-7
720	1-611-547-00	o	PRINTEC CIRCUIT BOARD, SW-8
721	3-659-487-00	s	HOLDER, BUZZER
722	3-659-488-00	s	PIN, BUZZER HOLDER
723	3-677-141-00	o	CUSHION, METER
724	3-683-505-00	o	BRACKET, CONTROL

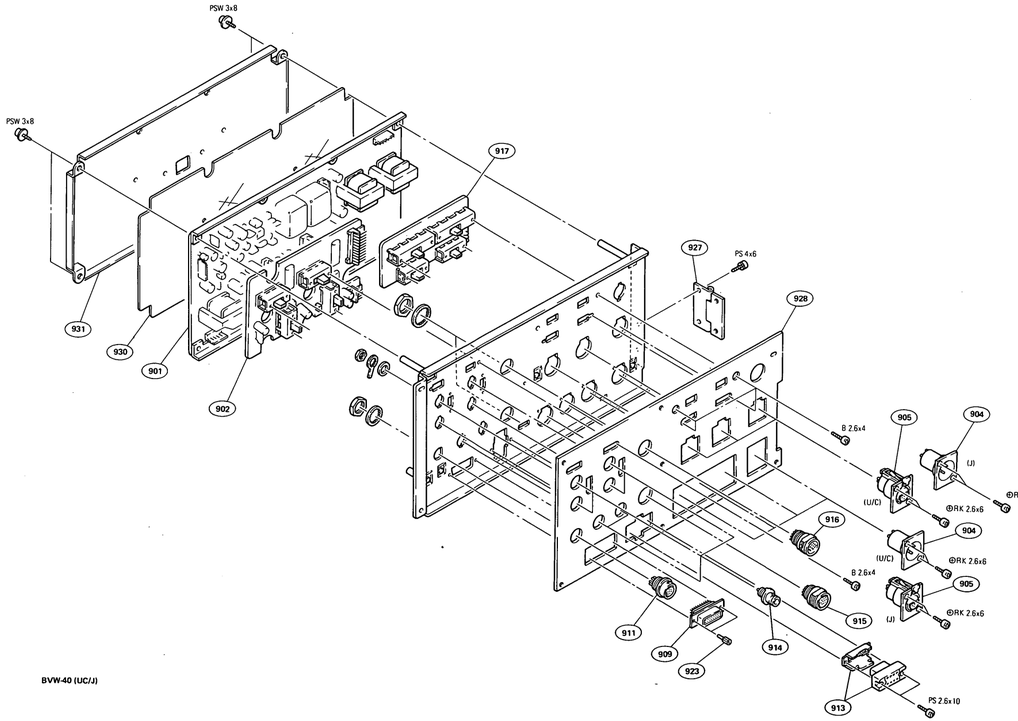
Function Control Chassis Block



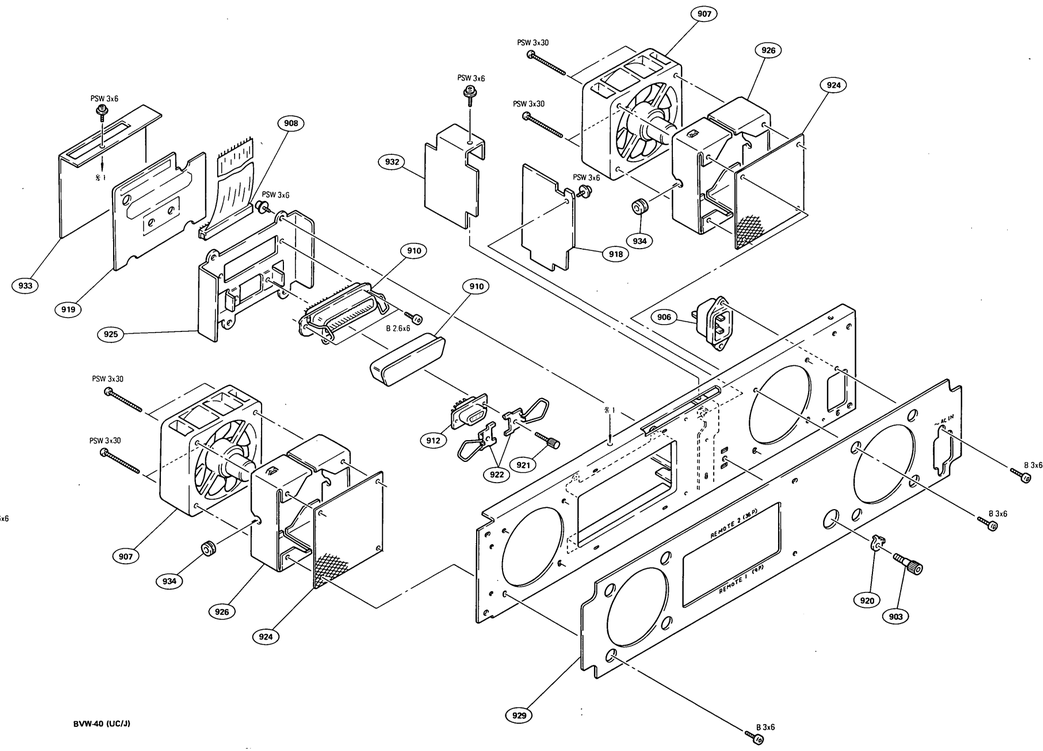
BVW-40 (UC/J)

No.	Parts No.	SP	Description
801	A-6734-106-A	s	DIAL ASSY, SEARCH
802	A-6734-202-A	o	CHASSIS ASSY, KEY
803	A-6736-030-A	o	HINGE (LEFT) ASSY
804	A-6736-031-A	o	HINGE (RIGHT) ASSY
805	1-516-994-00	s	SWITCH, LEVER SLIDE
806	1-518-450-21	s	LAMP, PILOT
807	1-518-450-31	s	LAMP, PILOT
808	1-552-539-00	s	SWITCH, KEY BOARD
809	1-553-551-11	s	SWITCH, PUSH (17 SQUARE)
810	1-553-551-21	s	SWITCH, PUSH (17 SQUARE)
811	1-553-551-32	s	SWITCH, PUSH (17 SQUARE)
812	1-554-318-11	s	SWITCH, PUSH BUTTON (12 SQUARE)
813	1-554-318-21	s	SWITCH, PUSH BUTTON (12 SQUARE)
814	1-554-318-31	s	SWITCH, PUSH BUTTON (12 SQUARE)
815	1-554-708-11	s	SWITCH, PUSH (9 SQUARE)
816	1-557-236-11	o	FLAT CABLE 6P
817	1-557-237-11	o	FLAT CABLE 23P
818	1-604-351-00	o	PRINTED CIRCUIT BOARD, PC-9
819	1-604-353-00	o	PRINTED CIRCUIT BOARD, PC-14
820	1-605-018-00	o	PRINTED CIRCUIT BOARD, PT-9
821	1-611-550-00	o	PRINTED CIRCUIT BOARD, KY-47
822	1-611-551-00	o	PRINTED CIRCUIT BOARD, DP-31
823	3-659-487-00	s	HOLDER, BUZZER
824	3-659-488-00	s	PIN, BUZZER HOLDER
825	3-660-978-00	s	SHEET, HEAT RESISTING
826	3-668-151-00	o	BRACKET, PC14
827	3-668-407-00	o	NUT, LOCK
828	3-668-417-00	o	COVER, PROTECTION, PC9
829	3-669-904-00	o	HOLDER, PT
830	3-683-513-00	o	HEAT SINK, KY
831	3-683-619-01	o	COVER, KEY PANEL
832	3-706-480-01	s	KEY TOP (WHITE)
833	3-706-480-12	s	KEY TOP (RED)
834	3-706-480-22	s	KEY TOP (BLUE)
835	3-706-481-01	s	KEY TOP
836	3-706-481-22	s	KEY TOP
837	3-706-481-11	s	KEY TOP (RED)

Connector Panel Block



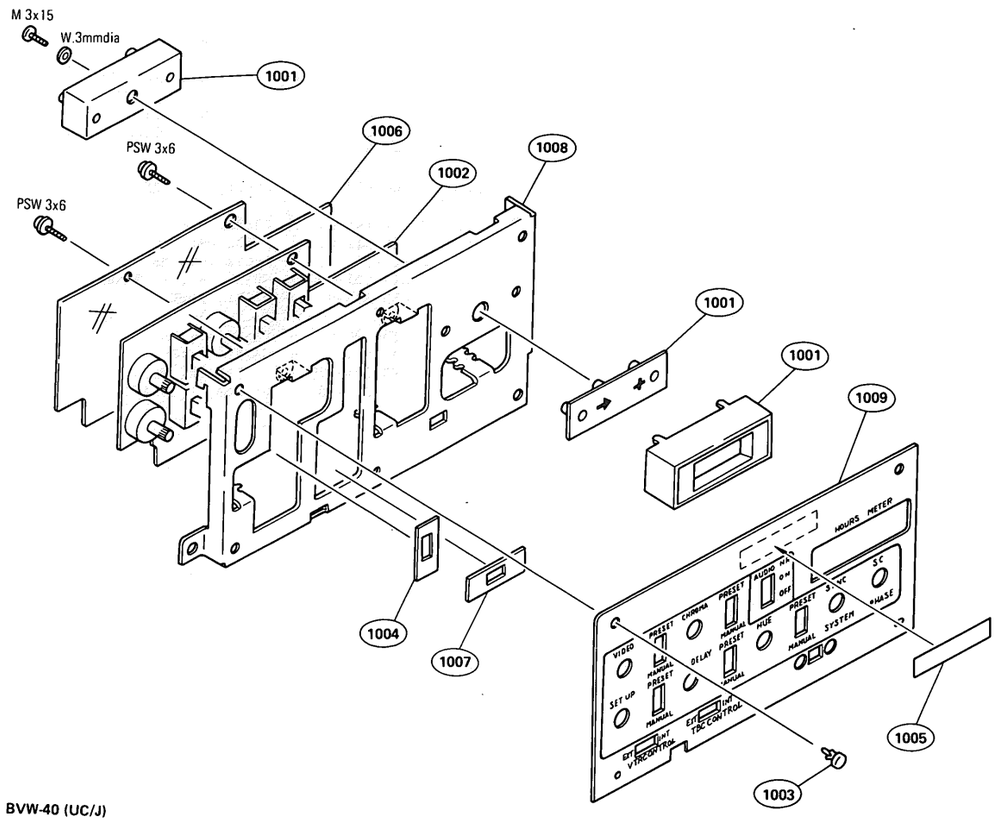
BVW-40 (UC/J)



BVW-40 (UC/J)

No.	Parts No.	SF	Description
901	A-6713-190-A	o	MOUNTED CIRCUIT BOARD, CP-61
902	A-6715-213-A	o	MOUNTED CIRCUIT BOARD, CP-62
903	X-2068-004-0	s	TERMINAL ASSY
904	1-509-176-31	s	RECEPTACLE, XLR, 3P (MALE)
905	1-509-184-31	s	RECEPTACLE, XLR, 3P (FEMALE)
⚠906	1-509-546-00	s	3P INLET
907	1-541-240-00	s	MOTOR, FAN (DC)
908	1-557-233-11	o	FLAT CABLE ASSY, 40P
909	1-560-495-00	s	RECEPTACLE, 15P, FEMALE "TBC REMOTE IN"
910	1-561-028-00	s	RECEPTACLE, 36P, "REMOTE-2"
911	1-561-045-00	s	RECEPTACLE, 7P, FEMALE "DUB U-matic OUT"
912	1-561-655-00	s	RECEPTACLE, 9P, "REMOTE-1"
913	1-509-095-00	s	RECEPTACLE, 8P "MONITOR OUT"
914	1-561-781-21	s	RECEPTACLE, BNC
915	1-562-160-00	s	RECEPTACLE, 12P, FEMALE "DUB/COMPONENT OUT"
916	1-564-407-11	s	RECEPTACLE, 12P, MALE "DUB/COMPONENT IN"
917	1-611-539-00	o	PRINTED CIRCUIT BOARD, SW-13
918	1-611-540-00	o	PRINTED CIRCUIT BOARD, AC-44
919	1-611-561-00	o	PRINTED CIRCUIT BOARD, RM-24
920	2-068-008-00	s	WASHER
921	3-668-459-00	o	SCREW, CONNECTOR
922	3-668-460-00	o	SPRING
923	3-673-910-00	o	SCREW, CONNECTOR
924	3-675-898-00	o	PLATE, VENTILATION
925	3-675-899-00	o	BRACKET, RE
926	3-683-523-00	o	BRACKET, FAN
927	3-683-559-00	o	HINGE
928	3-683-587-04	o	PLATE, ORNAMENTAL, CONNECTOR
929	3-683-597-01	o	PLATE, ORNAMENTAL, REAR
930	3-683-608-01	o	SHEET, INSULATING, CP
931	3-683-609-01	o	PROTECTOR, CP
932	3-683-610-01	o	PROTECTOR, AC
933	3-683-611-01	o	PROTECTOR, RM
934	3-815-122-00	o	BUSHING, RUBBER

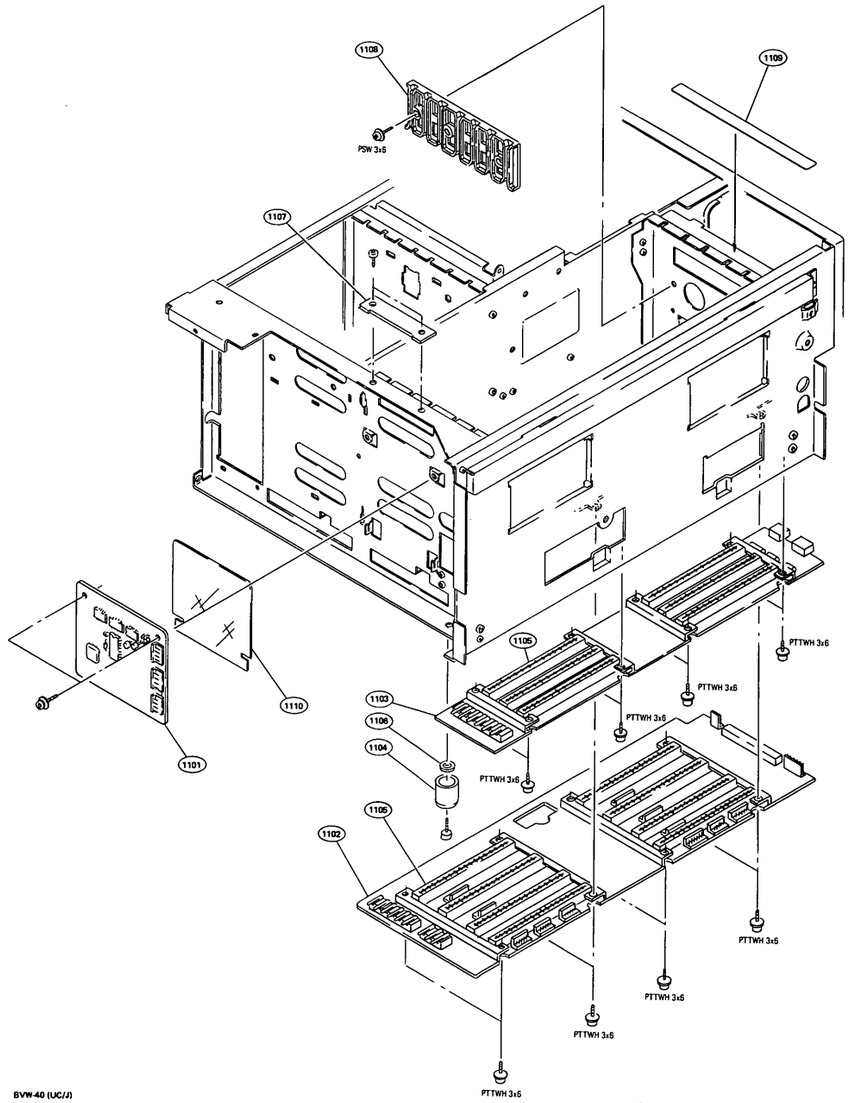
TBC Control Block



BVW-40 (UC/J)

No.	Parts No.	SP	Description
1001	1-548-100-11	s	HOURS METER
1002	1-611-548-12	o	PRINTED CIRCUIT BOARD, CP-74
1003	3-531-576-01	s	RIVET
1004	3-677-727-00	s	PLATE, SWITCH
1005	3-678-782-00	o	LABEL, DOLBY (C)
1006	3-683-524-00	o	COVER, ST
1007	3-683-525-00	o	PLATE (LARGE), SWITCH
1008	3-683-539-00	o	BRACKET, ST
1009	3-683-585-00	o	PLATE, ORNAMENTAL, ST FOR UC : up to S/N 10045 FOR J : up to S/N 10055
	3-683-585-04	o	PLATE, ORNAMENTAL, ST FOR UC : S/N 10046 and later FOR J : S/N 10056 and later

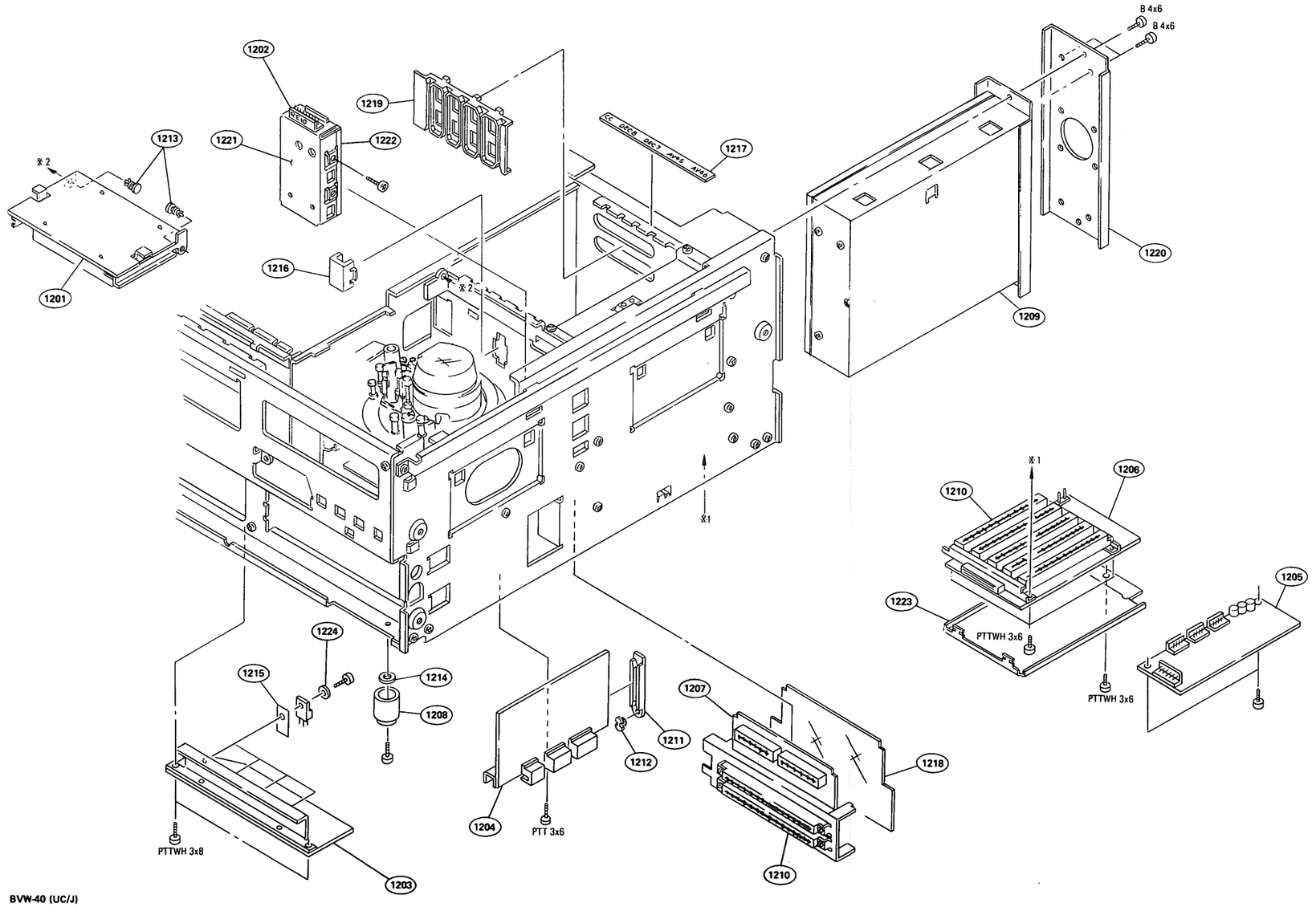
Chassis Block (1)



BVW-40 (UC/J)

No.	Parts No.	SP	Description
1101	A-6711-496-A	o	MOUNTED CIRCUIT BOARD, SD-6
1102	A-6728-920-C	o	MOUNTED CIRCUIT BOARD, MB-49
1103	A-6728-923-A	o	MOUNTED CIRCUIT BOARD, MB-73
1104	X-4838-902-X	s	FOOT
1105	1-560-919-11	o	CONNECTOR, CARD 60P
1106	3-650-537-00	o	WASHER
1107	3-668-424-00	o	RETAINER (REAR), FC
1108	3-683-530-00	o	GUIDE (L), PCB
1109	3-683-578-01	o	LABEL (1), PC BOARD
1110	3-683-607-01	o	SHEET, INSULATING, SD

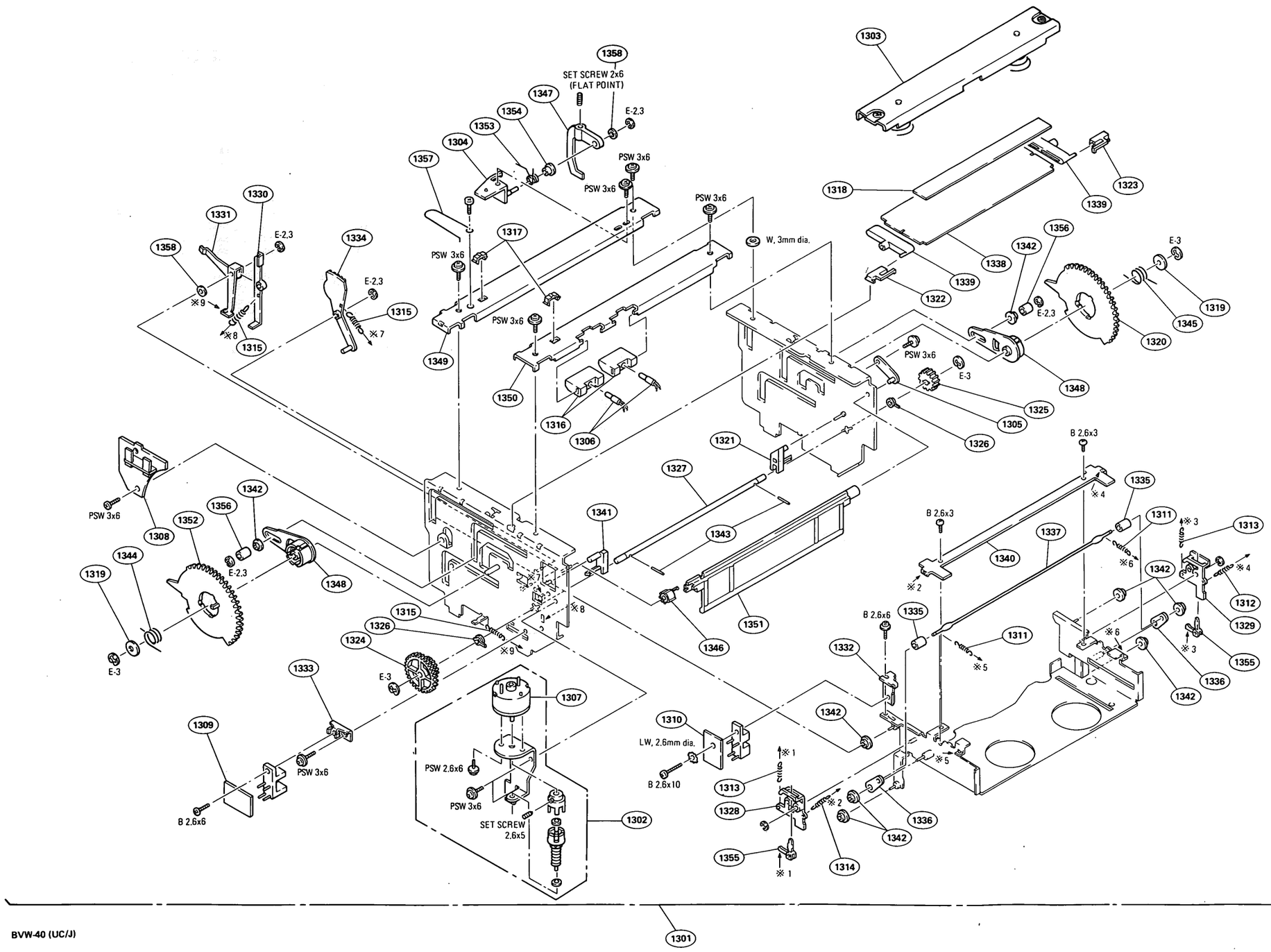
Chassis Block (2)



BVW-40 (UC/J)

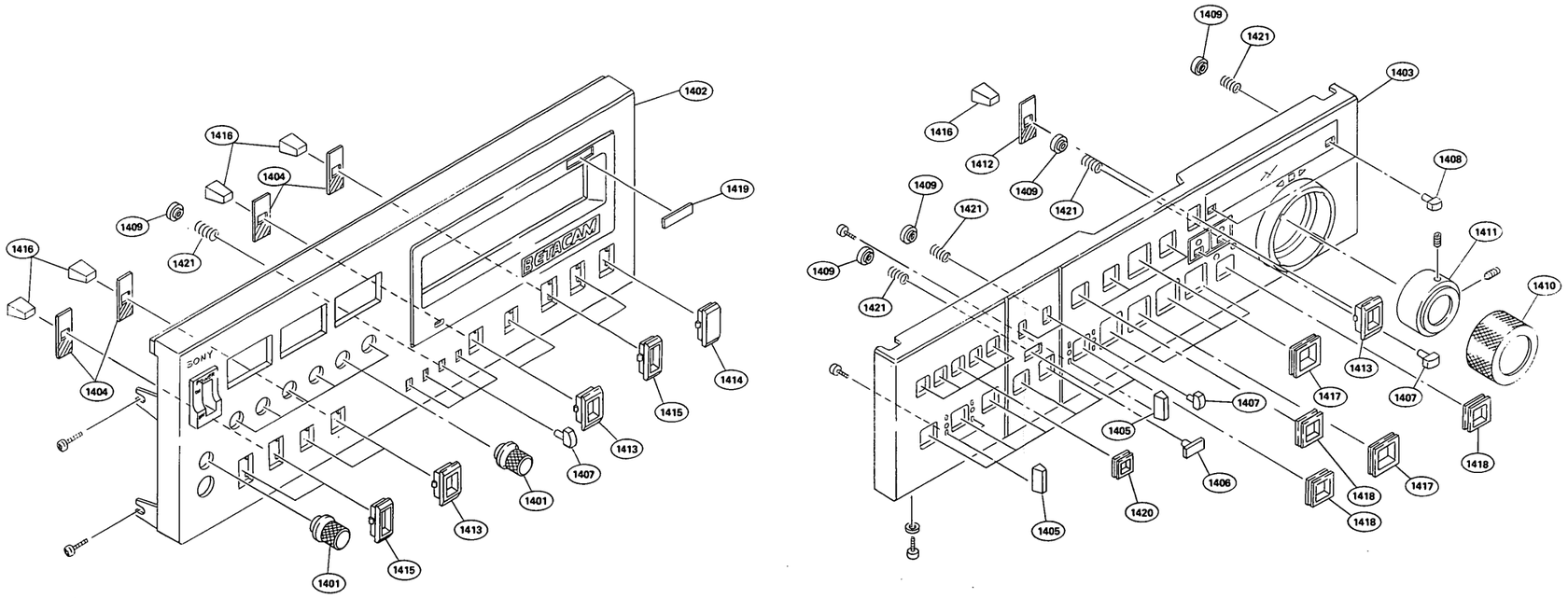
No.	Parts No.	SP	Description
1201	A-6711-494-A	o	MOUNTED CIRCUIT BOARD, RP-15
1202	A-6711-495-A	o	MOUNTED CIRCUIT BOARD, RE-10
1203	A-6715-212-A	o	MOUNTED CIRCUIT BOARD, RD-2
1204	A-6717-343-A	o	MOUNTED CIRCUIT BOARD, BC-5
1205	A-6717-344-A	o	MOUNTED CIRCUIT BOARD, BC-6
1206	A-6728-921-C	o	MOUNTED CIRCUIT BOARD, MB-50
1207	A-6728-922-A	o	MOUNTED CIRCUIT BOARD, MB-52
1208	X-4838-902-X	s	FOOT
⚠1209	1-413-166-11	s	SWITCHING REGULATOR (UR-09)
1210	1-561-654-00	o	CONNECTOR, CARD 86P
1211	2-234-447-00	o	GUIDE, CHASSIS
1212	3-637-219-00	o	GUIDE HOOK, CIRCUIT BOARD
1213	3-646-090-00	s	RIVET, NYLON
1214	3-650-537-00	o	WASHER
1215	3-660-978-00	s	SHEET, HEAT RESISTING
1216	3-677-741-00	o	GUARD, AIR
1217	3-683-512-00	o	LABEL (2), PC BOARD
1218	3-683-520-00	o	PROTECTOR, MB-52
1219	3-683-532-00	o	GUIDE (S), PC BOARD
1220	3-683-538-00	o	PANEL, POWER
1221	3-683-580-01	o	CASE (A), RE
1222	3-683-581-01	o	CASE (B), RE
1223	3-683-591-01	o	PROTECTOR, MB-50
1224	4-026-252-00	o	WASHER, INSULATING

Cassette-up Compartment



No.	Parts No.	SP	Description
1301	A-6751-151-C	s	CASSETTE COMPARTMENT ASSY
1302	A-6751-170-A	s	MOTOR BLOCK ASSY
1303	X-3675-819-0	s	STAY ASSY, CASSETTE COMPARTMENT
1304	X-3675-820-0	o	BRACKET ASSY, LEVER
1305	X-3675-821-2	o	BRACKET ASSY, WINDOW
1306	1-518-508-00	s	LAMP, PILOT
1307	1-541-163-00	s	MOTOR "CASSETTE-UP"
1308	1-608-052-00	o	PRINTED CIRCUIT BOARD, CL-7
1309	1-608-070-00	o	PRINTED CIRCUIT BOARD, PC-17
1310	1-608-071-00	o	PRINTED CIRCUIT BOARD, PC-18
1311	3-465-159-XX	s	SPRING, TENSION (20T)
1312	3-563-104-00	s	SPRING, TENSION
1313	3-568-321-00	s	SPRING, TENSION
1314	3-578-389-00	s	SPRING, TENSION
1315	3-646-214-00	s	SPRING
1316	3-668-314-02	s	HOLDER, LAMP
1317	3-677-153-00	o	HOLDER
1318	3-677-154-00	o	PLATE, PREVENTION
1319	3-677-155-00	o	RETAINER, SPRING
1320	3-677-156-00	s	GEAR (R), DRIVING
1321	3-677-157-00	o	STOPPER (R), CASSETTE
1322	3-677-160-00	o	HINGE (LEFT)
1323	3-677-161-00	o	HINGE (RIGHT)
1324	3-677-165-03	s	GEAR, MIDWAY
1325	3-677-166-00	s	GEAR, JOINT
1326	3-677-167-00	o	BEARING
1327	3-677-168-00	o	JOINT
1328	3-677-171-00	s	LEVER (LEFT)
1329	3-677-172-00	o	LEVER (RIGHT)
1330	3-677-173-00	o	LEVER, DETECTION, CASSETTE
1331	3-677-174-00	o	LEVER, DETECTION, CASSETTE-DOWN
1332	3-677-175-00	o	BRACKET, IN SWITCH
1333	3-677-176-02	o	BRACKET, DOWN SWITCH
1334	3-677-177-00	s	ARM
1335	3-677-178-00	o	ROLLER, PRESS
1336	3-677-179-00	o	ARM, JOINT
1337	3-677-180-00	o	WIRE, PRESS
1338	3-677-181-00	o	REFLECTOR
1339	3-677-182-00	o	HOLDER, REFLECTOR
1340	3-677-184-00	o	JOINT (M)
1341	3-677-185-00	o	STOPPER (L), CASSETTE
1342	3-677-187-00	s	ROLLER, GUIDE
1343	3-677-193-00	o	PIN, STOPPER
1344	3-677-197-00	o	SPRING (LEFT)
1345	3-677-198-00	o	SPRING (R)
1346	3-677-199-03	s	GEAR
1347	3-677-704-03	s	LEVER
1348	3-677-706-00	s	ARM, DRIVING
1349	3-677-707-02	o	JOINT (R)
1350	3-677-708-00	o	JOINT (F)
1351	3-677-710-00	o	LID, CASSETTE
1352	3-677-711-00	s	GEAR (L), DRIVING
1353	3-677-726-00	o	SPRING
1354	3-677-748-00	o	COLLAR
1355	3-677-770-00	o	LEVER, SUB, DISCHARGE
1356	3-677-771-00	o	COLLAR, GUIDE ROLLER
1357	3-677-779-00	o	GUARD, HARNESS
1358	3-701-439-21	s	WASHER, POLY 3MM DIA. 0.5T

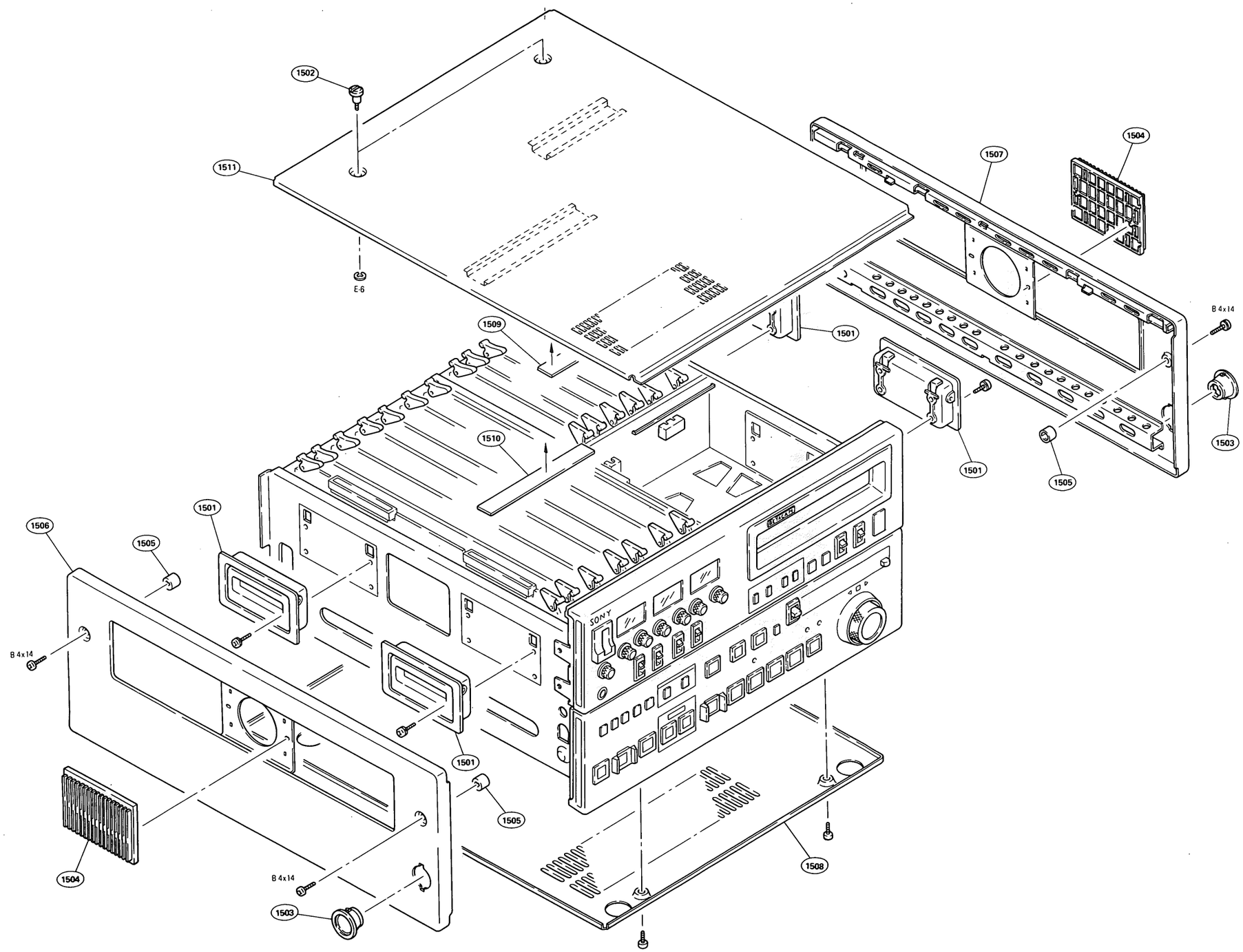
Ornamental Panel Block (1)



BVW-40 (UC/J)

No.	Parts No.	SP	Description
1401	X-3683-504-0	s	KNOB ASSY, CONTROL
1402	X-3683-505-0	o	PANEL SUB ASSY, FRONT
1403	X-3683-506-0	o	PANEL SUB ASSY, KEY
1404	2-252-623-00	o	PLATE, SWITCH, LEVER
1405	3-657-986-00	o	GUARD, REC
1406	3-668-006-02	s	PUSH BUTTON (15 x 8)
1407	3-668-007-02	s	PUSH BUTTON (5 x 9)
1408	3-668-008-02	s	PUSH BUTTON (3 x 5)
1409	3-668-009-02	s	PIN, PUSH BUTTON
1410	3-668-012-00	s	RUBBER, DIAL KNOB
1411	3-668-013-00	s	KNOB, DIAL
1412	3-668-015-00	o	PLATE (SMALL), SWITCH, LEVER
1413	3-668-016-00	o	FRAME (SMALL), ORNAMENTAL
1414	3-668-017-02	o	FRAME (MIDDLE), BLIND, SWITCH
1415	3-668-018-00	o	FRAME (MIDDLE), ORNAMENTAL
1416	3-668-028-00	s	KNOB (SMALL), LEVER SWITCH
1417	3-675-891-00	o	ESCUTCHEON, BUTTON (LARGE)
1418	3-675-892-00	o	ESCUTCHEON, BUTTON (SMALL)
1419	3-680-805-81	o	LABEL, MODEL NUMBER
1420	3-683-501-00	o	ESCUTCHEON (9 SQUARE), BUTTON
1421	4-309-349-00	s	SPRING, COIL

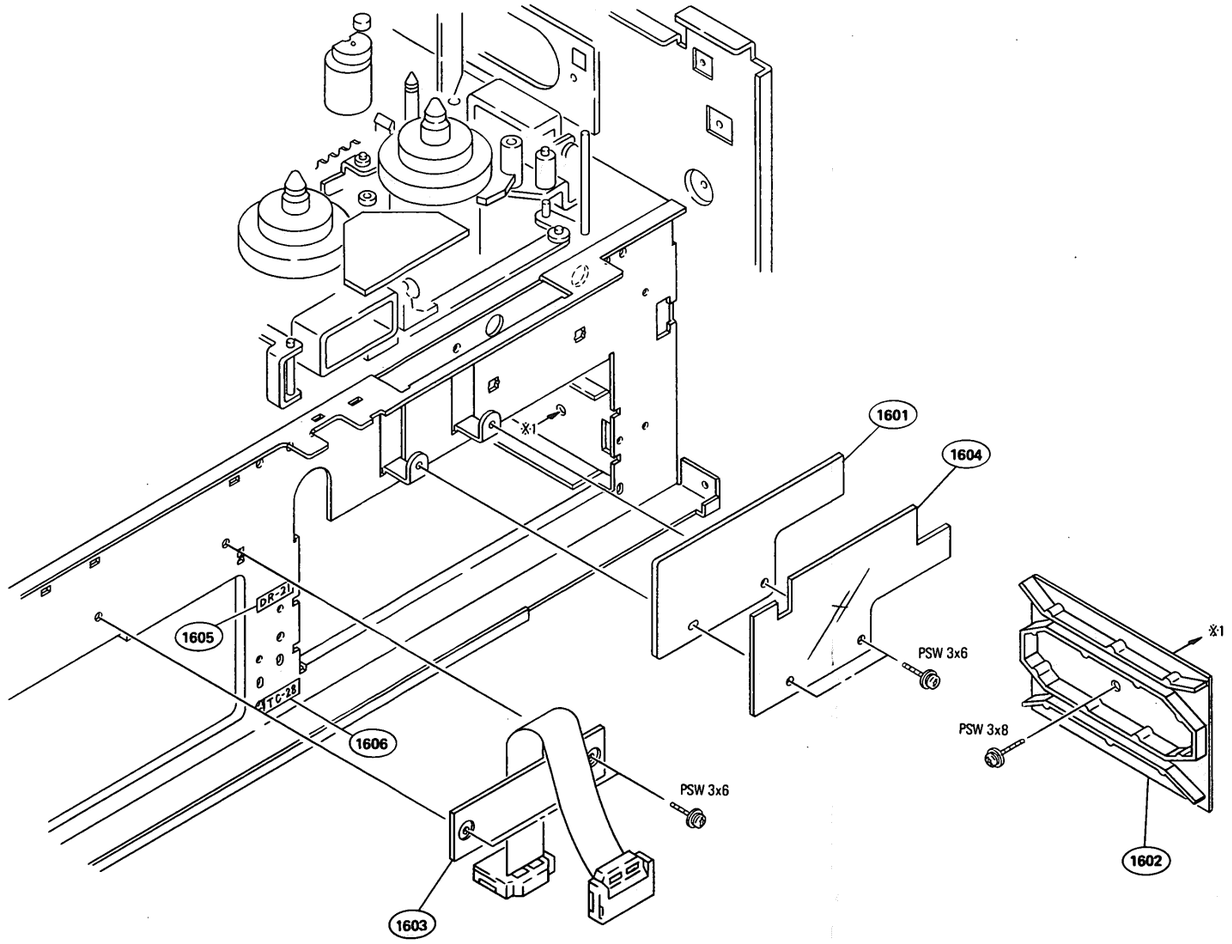
Ornamental Panel Block (2)



BVW-40 (UC/J)

No.	Parts No.	SP	Description
1501	X-3642-018-0	s	HANDLE ASSY
1502	3-668-024-00	s	SCREW, COIN, CABINET
1503	3-668-025-00	o	ESCUTCHEON, HINGE STOPPER
1504	3-668-335-00	o	ORNAMENT, SIDE PLATE
1505	3-668-416-00	o	SPACER, BRACKET, M4
1506	3-668-418-00	o	PLATE, SIDE, LEFT
1507	3-668-419-00	o	PLATE, SIDE, RIGHT
1508	3-677-105-00	o	PLATE, BOTTOM
1509	3-683-588-01	o	RETAINER (S), PC
1510	3-683-589-01	o	RETAINER (L), PC
1511	3-683-590-01	o	LID, UPPER

Printed Circuit Board Block (1)

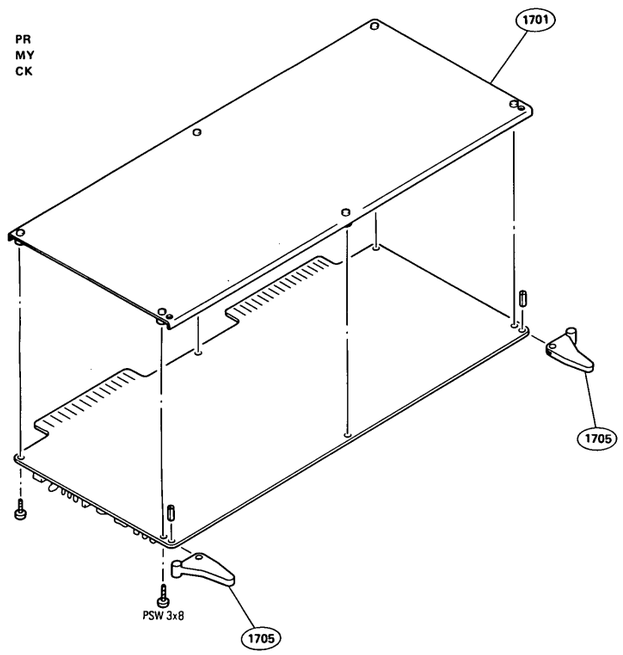


BVW-40 (UC/J)

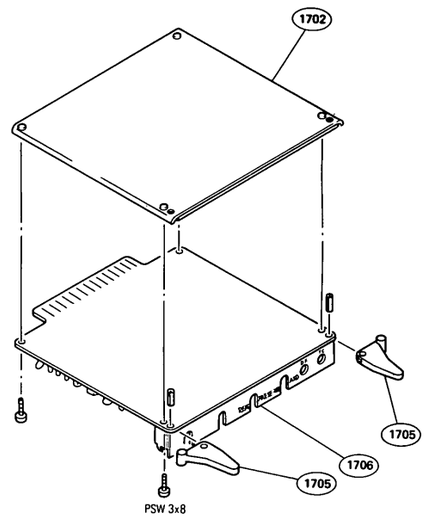
No.	Parts No.	SP	Description
1601	A-6715-211-A	o	MOUNTED CIRCUIT BOARD, DU-53
1602	3-668-134-00	o	GUIDE (2), PC BOARD
1603	3-668-424-00	o	RETAINER (REAR), FC
1604	3-683-507-00	o	PROTECTOR, DU
1605	3-683-527-00	o	LABEL (3), PC BOARD
1606	3-683-528-00	o	LABEL (4), PC BOARD

Printed Circuit Board Block (2)

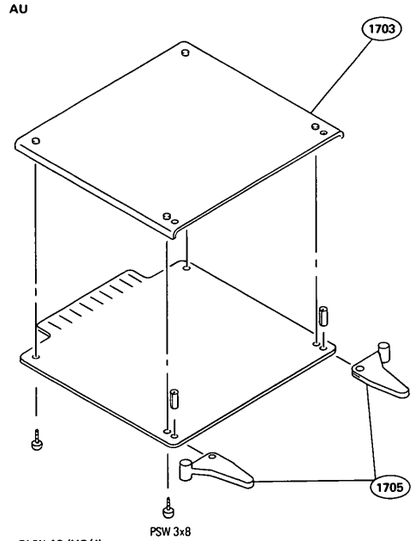
PR
MY
CK



TC-28

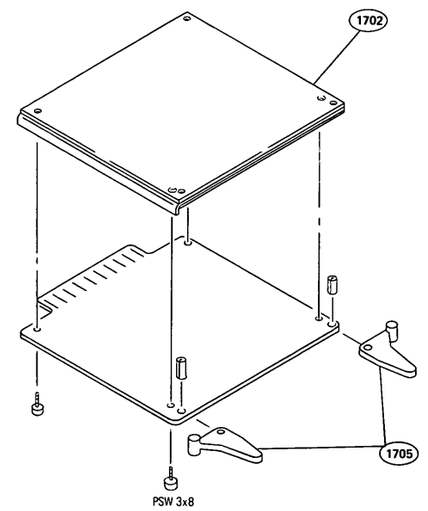


CC
DEC
AU



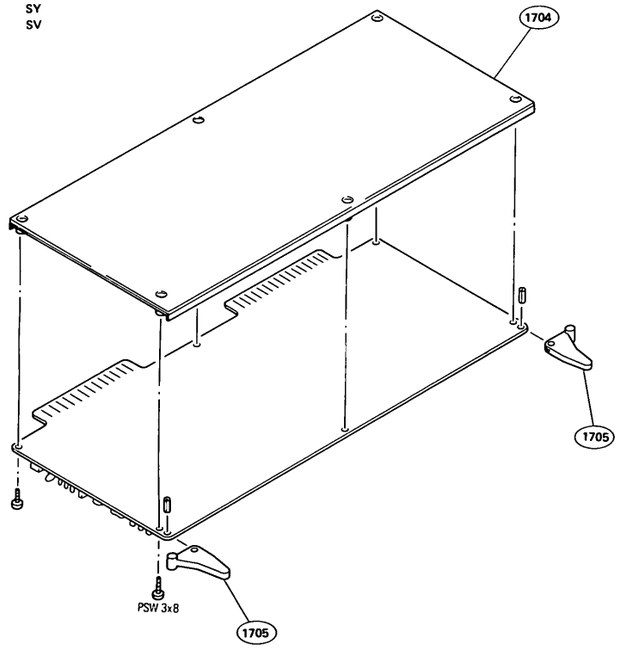
BVW-40 (UC/J)

DR-21



BVW-40 (UC/J)

EN
YC
SY
SV



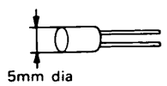
No.	Parts No.	SP	Description
1701	X-3675-813-0	o	PLATE ASSY, SHIELD, L
1702	X-3683-510-1	o	PLATE (LOWER) ASSY, SHIELD, S
1703	X-3683-511-1	o	PLATE (UPPER) ASSY, SHIELD, S
1704	X-3683-512-1	o	PLATE (LARGE) ASSY, SHIELD, L
1705	2-251-622-00	o	LEVER, PC BOARD
1706	3-683-579-01	o	PLATE, INDICATION, TC

19-3. ELECTRICAL PARTS LIST

Parts that are not listed in the "reference numbers order list" are shown in following table.
Reference numbers are omitted.

MICRO INDUCTOR

1 μH through 470 μH
±5%

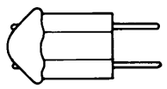


Parts No. 1-407-□□□-XX

Value	Parts No. -□□□-	Value	Parts No. -□□□-	Value	Parts No. -□□□-	Value	Parts No. -□□□-
1 μH	178	4.7 μH	186	22 μH	161	100 μH	169
1.2	179	5.6	187	27	162	120	170
1.5	180	6.8	188	33	163	150	171
1.8	181	8.2	189	39	164	180	172
2.2	182	10	157	47	165	220	173
2.7	183	12	158	56	166	270	174
3.3	184	15	159	68	167	330	175
3.9	185	18	160	82	168	390	176
						470	177

MICRO INDUCTOR

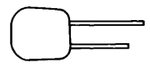
1 μH through 470 μH
±5%



Parts No. 1-408-□□□-00

Value	Parts No. -□□□-	Value	Parts No. -□□□-	Value	Parts No. -□□□-	Value	Parts No. -□□□-
1 μH	397	4.7 μH	405	22 μH	413	100 μH	421
1.2	398	5.6	406	27	414	120	422
1.5	399	6.8	407	33	415	150	423
1.8	400	8.2	408	39	416	180	424
2.2	401	10	409	47	417	220	425
2.7	402	12	410	56	418	270	426
3.3	403	15	411	68	419	330	427
3.9	404	18	412	82	420	390	428
						470	429

SILVERED MICA CAPACITOR

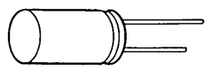


1 pF through 620 pF
±5%, 50WV

Parts No. 1-107-□□□-00

Value	Parts No. -□□□-	Value	Parts No. -□□□-	Value	Parts No. -□□□-	Value	Parts No. -□□□-
1 pF	098	15 pF	065	51 pF	078	180 pF	091
2	099	16	066	56	079	200	092
3	100	18	067	62	080	220	093
4	101	20	068	68	081	240	094
5	102	22	069	75	082	270	095
6	103	24	070	82	083	300	096
7	104	27	071	91	084	330	097
8	105	30	072	100	085	360	231
9	106	33	073	110	086	390	232
10	061	36	074	120	087	430	233
11	062	39	075	130	088	470	234
12	063	43	076	150	089	510	235
13	064	47	077	160	090	560	236
						620	237

ELECTROLYTIC CAPACITOR

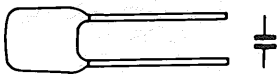


0.47μF through 470μF
6.3WV through 50 (63, 100)WV

Parts No. 1-123-□□□-00

Value	Parts No. -□□□-	Value	Parts No. -□□□-	Value	Parts No. -□□□-
0.47μF 50V		22μF 35V	342	100μF 50V	360
100	379	50		220 6.3	
1 50		63	371	10	308
100	380	33 6.3		16	321
2.2 50		10		25	334
100	381	16	318	35	346
3.3 25		25		50	361
35		35	343	330 6.3	
50		50		10	309
100	382	63	372	16	322
4.7 25		47 6.3		25	335
35		10	306	35	347
50		16		50	362
63	369	25	332	470 6.3	298
10 10		35		10	310
16		50	359	16	323
25		100 6.3		25	336
35		10	307	35	348
50	356	16		50	
22 16		25	333	63	377
25	330	35	345		

MYLAR CAPACITOR



0.00047μF through 0.22μF
±5% 50WV

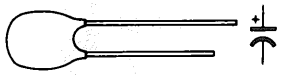
Parts No. 1-130-□□□-00

Value	Parts No. −□□□−
0.00047μF	467
0.00056	468
0.00068	469
0.00082	470
0.001	471
0.0012	472
0.0015	473
0.0018	474
0.0022	475
0.0027	476
0.0033	477

Value	Parts No. −□□□−
0.0039μF	478
0.0047	479
0.0056	480
0.0068	481
0.0082	482
0.01	483
0.012	484
0.015	485
0.018	486
0.022	487
0.027	488

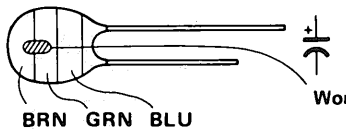
Value	Parts No. −□□□−
0.033μF	489
0.039	490
0.047	491
0.056	492
0.068	493
0.082	494
0.1	495
0.12	496
0.15	497
0.18	498
0.22	499

TANTALUM CAPACITOR



0.01μF through 100μF ± 10%
3.15V through 35V

NOTE: The value of the parts that are marked by * in the below table are indicated by color code. (to the value with ±20%)



Working Voltage Color Code

BLK	RED	YEL	GRN	BLU	GRY	WHT
10V	35	6.3	16	20	25	3.15

Ex. BRN GRN BLU
1 5 6
15×10^6 pF = 15μF

Parts No. 1-131-□□□-00

Value		Parts No. −□□□−
0.01μ	35V	*396
0.015	35	*397
0.022	35	*398
0.033	35	*399
0.047	35	*400
0.068	35	*401
0.1	35	341
0.15	35	342
0.22	35	343
0.33	25	*409
	35	344
0.47	20	*412
	35	345
0.68	16	*415
	25	*410
	35	346
1.0	10	*418
	25	498

Value		Parts No. −□□□−
1.0μ	35V	347
1.5	6.3	*421
	20	499
	25	354
	35	348
2.2	3.15	*424
	16	500
	20	361
	25	355
	35	349
3.3	10	501
	16	368
	20	362
	25	356
	35	350
4.7	6.3	502
	10	375
	16	369

Value		Parts No. −□□□−
4.7μ	20V	363
	25	357
	35	351
6.8	3.15	503
	6.3	382
	10	376
	16	370
	20	364
	25	358
	35	352
10	3.15	389
	6.3	383
	10	377
	16	371
	20	365
	25	359
	35	353
15	3.15	390
	6.3	384

Value		Parts No. −□□□−
15μ	10V	378
	16	372
	20	366
	25	360
22	3.15	391
	6.3	385
	10	379
	16	373
	20	367
33	3.15	392
	6.3	386
	10	380
	16	374
47	3.15	393
	6.3	387
	10	381
68	3.15	394
	6.3	388
100	3.15	395

CERAMIC CAPACITOR 0.001μF through 0.1μF
50WV

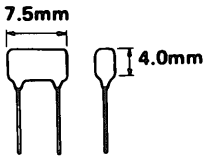


Parts NO. 1-161-□□□-00

Value	Parts No. -□□□-	Substitute
0.001 μF	039	(1-102-074-00)
0.0012	040	
0.0015	041	
0.0018	042	
0.0022	043	(1-102-100-00)
0.0027	044	
0.0033	045	
0.0039	046	(1-102-124-00)
0.0047	047	
0.0056	048	
0.0068	049	
0.0082	050	

Value	Parts No. -□□□-	Substitute
0.01 μF	051	(1-101-118-00)
0.012	052	
0.015	053	
0.018	054	
0.022	055	(1-101-005-00)
0.027	056	
0.033	057	
0.039	058	
0.047	059	(1-101-006-00)
0.056	060	
0.068	061	
0.082	062	
0.1	063	

METAL FILM RESISTOR ± 1%, 1/4W
10Ω through 100kΩ



Parts No. 1-214-□□□-00

Value	Parts No. -□□□-
10Ω	084
11	085
12	086
13	087
15	088
16	089
18	090
20	091
22	092
24	093
27	094
30	095
33	096
36	097
39	098
43	099
47	100
51	101
56	102
62	103
68	104
75	105
82	106
91	107

Value	Parts No. -□□□-
100Ω	108
110	109
120	110
130	111
150	112
160	113
180	114
200	115
220	116
240	117
270	118
300	119
330	120
360	121
390	122
430	123
470	124
510	125
560	126
620	127
680	128
750	129
820	130
910	131

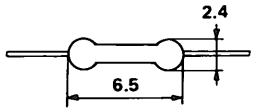
Value	Parts No. -□□□-
1.0kΩ	132
1.1	133
1.2	134
1.3	135
1.5	136
1.6	137
1.8	138
2.0	139
2.2	140
2.4	141
2.7	142
3.0	143
3.3	144
3.6	145
3.9	146
4.3	147
4.7	148
5.1	149
5.6	150
6.2	151
6.8	152
7.5	153
8.2	154
9.1	155

Value	Parts No. -□□□-
10kΩ	156
11	157
12	158
13	159
15	160
16	161
18	162
20	163
22	164
24	165
27	166
30	167
33	168
36	169
39	170
43	171
47	172
51	173
56	174
62	175
68	176
75	177
82	178
91	179
100	180

CARBON RESISTOR (1/4W)

± 5%, 1/4W, non-special type
1 Ω through 1 MΩ





Parts No. 1-246-□□□-00

Value	Parts No. -□□□-
1 Ω	401
1.1	402
1.2	403
1.3	404
1.5	405
1.6	406
1.8	407
2	408
2.2	409
2.4	410
2.7	411
3	412
3.3	413
3.6	414
3.9	415
4.3	416
4.7	417
5.1	418
5.6	419
6.2	420
6.8	421
7.5	422
8.2	423
9.1	424
10 Ω	425
11	426
12	427
13	428
15	429
16	430
18	431
20	432
22	433
24	434
27	435
30	436

Value	Parts No. -□□□-
33 Ω	437
36	438
39	439
43	440
47	441
51	442
56	443
62	444
68	445
75	446
82	447
91	448
100 Ω	449
110	450
120	451
130	452
150	453
160	454
180	455
200	456
220	457
240	458
270	459
300	460
330	461
360	462
390	463
430	464
470	465
510	466
560	467
620	468
680	469
750	470
820	471
910	472

Value	Parts No. -□□□-
1 kΩ	473
1.1	474
1.2	475
1.3	476
1.5	477
1.6	478
1.8	479
2	480
2.2	481
2.4	482
2.7	483
3.0	484
3.3	485
3.6	486
3.9	487
4.3	488
4.7	489
5.1	490
5.6	491
6.2	492
6.8	493
7.5	494
8.2	495
9.1	496
10 kΩ	497
11	498
12	499
13	500
15	501
16	502
18	503
20	504
22	505
24	506
27	507
30	508

Value	Parts No. -□□□-
33 kΩ	509
36	510
39	511
43	512
47	513
51	514
56	515
62	516
68	517
75	518
82	519
91	520
100 kΩ	521
110	522
120	523
130	524
150	525
160	526
180	527
200	528
220	529
240	530
270	531
300	532
330	533
360	534
390	535
430	536
470	537
510	538
560	539
620	540
680	541
750	542
820	543
910	544
1 MΩ	545

CARBON RESISTOR (1/8W)

±5%, 1/8W, non-special type
2.2Ω through 1MΩ



Parts No. 1-246-□□□-00

Value	Parts No. −□□□−
1Ω	–
1.1	–
1.2	–
1.3	–
1.5	–
1.6	–
1.8	–
2	–
2.2	751
2.4	812
2.7	752
3	813
3.3	753
3.6	814
3.9	754
4.3	815
4.7	755
5.1	816
5.6	756
6.2	817
6.8	757
7.5	818
8.2	758
9.1	819
10Ω	759
11	820
12	760
13	821
15	761
16	822
18	762
20	823
22	763
24	824
27	764
30	825

Value	Parts No. −□□□−
33Ω	765
36	826
39	766
43	827
47	767
51	828
56	768
62	829
68	769
75	830
82	770
91	831
100Ω	771
110	832
120	772
130	833
150	773
160	834
180	774
200	835
220	775
240	836
270	776
300	837
330	777
360	838
390	778
430	839
470	779
510	840
560	780
620	841
680	781
750	842
820	782
910	843

Value	Parts No. −□□□−
1kΩ	783
1.1	844
1.2	784
1.3	845
1.5	785
1.6	846
1.8	786
2	847
2.2	787
2.4	848
2.7	788
3.0	849
3.3	789
3.6	850
3.9	790
4.3	851
4.7	791
5.1	852
5.6	792
6.2	853
6.8	793
7.5	854
8.2	794
9.1	855
10kΩ	795
11	856
12	796
13	857
15	797
16	858
18	798
20	859
22	799
24	860
27	800
30	861

Value	Parts No. −□□□−
33kΩ	801
36	862
39	802
43	863
47	803
51	864
56	804
62	865
68	805
75	866
82	806
91	867
100kΩ	807
110	868
120	808
130	869
150	809
160	870
180	810
200	871
220	811

Parts No. 1-247-□□□-00

Value	Parts No. −□□□−
240kΩ	054
270	046
300	055
330	047
360	056
390	048
430	057
470	049
510	058
560	050
620	059
680	051
750	060
820	052
910	061
1MΩ	053

CARBON RESISTOR (1/6W)

±5%, 1/6W, non-special type
2.2Ω through 1MΩ



Parts No. 1-247-□□□-00

Value	Parts No. −□□□−
1Ω	–
1.1	–
1.2	–
1.3	–
1.5	–
1.6	–
1.8	–
2	–
2.2	767
2.4	768
2.7	769
3	770
3.3	771
3.6	772
3.9	773
4.3	774
4.7	775
5.1	776
5.6	777
6.2	778
6.8	779
7.5	780
8.2	781
9.1	782
10Ω	783
11	784
12	785
13	786
15	787
16	788
18	789
20	790
22	791
24	792
27	793
30	794
33	795

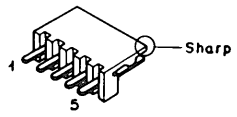
Value	Parts No. −□□□−
36Ω	796
39	797
43	798
47	799
51	800
56	801
62	802
68	803
75	804
82	805
91	806
100Ω	807
110	808
120	809
130	810
150	811
160	812
180	813
200	814
220	815
240	816
270	817
300	818
330	819
360	820
390	821
430	822
470	823
510	824
560	825
620	826
680	827
750	828
820	829
910	830
1kΩ	831
1.1	832

Value	Parts No. −□□□−
1.2kΩ	833
1.3	834
1.5	835
1.6	836
1.8	837
2	838
2.2	839
2.4	840
2.7	841
3	842
3.3	843
3.6	844
3.9	845
4.3	846
4.7	847
5.1	848
5.6	849
6.2	850
6.8	851
7.5	852
8.2	853
9.1	854
10kΩ	855
11	856
12	857
13	858
15	859
16	860
18	861
20	862
22	863
24	864
27	865
30	866
33	867
36	868
39	869

Value	Parts No. −□□□−
43kΩ	870
47	871
51	872
56	873
62	874
68	875
75	876
82	877
91	878
100kΩ	879
110	880
120	881
130	882
150	883
160	884
180	885
200	886
220	887
240	888
270	889
300	890
330	891
360	892
390	893
430	894
470	895
510	896
560	897
620	898
680	899
750	900
820	901
910	902
1MΩ	903

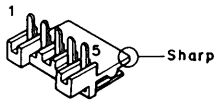
CONNECTOR

top-type receptacle



2P	1-508-900-00
3P	1-508-901-00
4P	1-508-902-00
5P	1-508-903-00
6P	1-508-904-00
8P	1-508-905-00
10P	1-508-906-00
12P	1-508-949-00

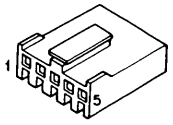
side-type receptacle



2P	1-508-933-00
3P	1-508-934-00
4P	1-508-950-00
5P	1-508-935-00
6P	1-508-936-00
8P	1-508-937-00
10P	1-508-951-00
12P	1-508-997-00

plug

housing



2P	1-509-983-00
3P	1-509-984-00
4P	1-509-985-00
5P	1-509-986-00
6P	1-509-987-00
8P	1-509-988-00
10P	1-509-989-00
12P	1-561-056-00

contact



1-509-982-00

ABBREVIATIONS

Ref. No.	Description
C□□, CV□□	CAPACITOR
CN□□	CONNECTOR
D□□	DIODE
DL□□	DELAY LINE
DM□□	DME
F□□	FUSE
FB□□	FERRITE BEAD
FL□□	FILTER
H□□	HEAD
IC□□	IC
J□□	JACK
L□□	INDUCTOR
M□□	MOTOR
PL□□	LAMP
PH□□	PHOTO INTERRUPTER
PM□□	SOLENOID
Q□□	TRANSISTOR
R□□, RV□□	RESISTOR
S□□, SW□□	SWITCH
T□□	TRANSFORMER
TH□□	THERMISTOR
X□□	CRYSTAL

All capacitors are in micro farads unless otherwise specified.

All inductors are in micro henries unless otherwise specified.

All resistors are in ohms.

Ref.No.	Parts No.	SP	Description
AC-44 BOARD			
	1-533-037-XX	s	HOLDER,FUSE
	1-611-540-00	o	PRINTED CIRCUIT BOARD,AC-44
⚠ C1	1-130-917-00	s	FILM 0.1 20% 250V
⚠ CN1	1-560-033-00	o	RECEPTACLE,3P
	1-561-218-00	o	HOUSING,3P
	1-561-254-00	o	CONTACT
⚠ F1	1-532-325-00	s	T6.3A 250V
⚠ L1	1-421-395-00	s	LINE FILTER
AU-45 BOARD			
	A-6713-187-A	o	MOUNTED CIRCUIT BOARD,AU-45
C101	1-124-186-00	s	ELECT 10 20% 50V
C102	1-124-186-00	s	ELECT 10 20% 50V
C104	1-124-186-00	s	ELECT 10 20% 50V
C105	1-107-210-00	s	MICA 22PF 5% 500V
C116	1-131-342-00	s	ELECT 0.15 10% 25V
C133	1-107-210-00	s	MICA 22PF 5% 500V
C141	1-107-210-00	s	MICA 22PF 5% 500V
C143	1-107-208-00	s	MICA 18PF 5% 500V
C201	1-124-186-00	s	ELECT 10 20% 50V
C202	1-124-186-00	s	ELECT 10 20% 50V
C204	1-124-186-00	s	ELECT 10 20% 50V
C205	1-107-210-00	s	MICA 22PF 5% 500V
C216	1-131-342-00	s	ELECT 0.15 10% 25V
C233	1-107-210-00	s	MICA 22PF 5% 500V
C243	1-107-208-00	s	MICA 18PF 5% 500V
C506	1-131-344-00	s	ELECT 0.33 10% 25V
C507	1-131-344-00	s	ELECT 0.33 10% 25V
C513	1-131-344-00	s	ELECT 0.33 10% 25V
C514	1-131-344-00	s	ELECT 0.33 10% 25V
D101	8-719-815-55	s	1S1555
D102	8-719-200-02	s	10E-2
D103	8-719-162-07	s	RD6.2E-B
D104	8-719-815-55	s	1S1555
D105	8-719-915-55	s	1S1555
D106	8-719-815-55	s	1S1555
D107	8-719-815-55	s	1S1555
D108	8-719-815-55	s	1S1555
D109	8-719-815-55	s	1S1555
D110	8-719-200-02	s	10E-2
D201	8-719-815-55	s	1S1555
D202	8-719-200-02	s	10E-2
D203	8-719-162-07	s	RD6.2E-B
D204	8-719-815-55	s	1S1555
D205	8-719-815-55	s	1S1555
D206	8-719-815-55	s	1S1555
D207	8-719-815-55	s	1S1555
D208	8-719-815-55	s	1S1555
D209	8-719-815-55	s	1S1555
IC101	8-759-700-04	s	NJM2043D-D(JRC)
IC102	8-749-925-15	s	AFL25F15000G1(MURATA)
IC103	8-749-925-15	s	AFL25F15000G1(MURATA)
IC104	8-741-115-20	s	BX1152(SONY)
IC105	8-759-745-61	s	NJM4560D-D(JRC)
IC106	8-759-745-61	s	NJM4560D-D(JRC)
IC107	8-759-700-04	s	NJM2043D-D(JRC)
IC201	8-759-700-04	s	NJM2043D-D(JRC)
IC202	8-749-925-15	s	AFL25F15000G1(MURATA)
IC203	8-749-925-15	s	AFL25F15000G1(MURATA)
IC204	8-741-115-20	s	BX1152(SONY)
IC205	8-759-745-61	s	NJM4560D-D(JRC)
IC206	8-759-745-61	s	NJM4560D-D(JRC)
LV101	1-459-434-00	s	VAR,22mH
LV102	1-459-411-00	s	VAR,18mH
LV201	1-459-434-00	s	VAR,22mH
LV202	1-459-411-00	s	VAR,18mH
Q101	8-720-002-97	s	TX429D-7
Q102	8-720-002-97	s	TX429D-7
Q103	8-729-201-05	s	2SC2878-B
Q104	8-720-002-97	s	TX429D-7
Q105	8-720-002-97	s	TX429D-7
Q106	8-729-663-48	s	2SC1364-8
Q107	8-729-663-48	s	2SC1364-8
Q108	8-729-663-48	s	2SC1364-8
Q109	8-729-660-37	s	2SC1363
Q110	8-729-173-37	s	2SA733-P
Q111	8-729-663-48	s	2SC1364-8
Q112	8-729-173-37	s	2SA733-P
Q113	8-729-663-48	s	2SC1364-8
Q114	8-729-173-37	s	2SA733-P
Q115	8-729-663-48	s	2SC1364-8
Q116	8-729-173-37	s	2SA733-P
Q117	8-729-201-05	s	2SC2878-B
Q118	8-729-201-05	s	2SC2878-B
Q201	8-720-002-97	s	TX429D-7
Q202	8-720-002-97	s	TX429D-7
Q203	8-729-201-05	s	2SC2878-B
Q204	8-720-002-97	s	TX429D-7
Q205	8-720-002-97	s	TX429D-7
Q206	8-729-663-48	s	2SC1364-8
Q207	8-729-663-48	s	2SC1364-8
Q208	8-729-663-48	s	2SC1364-8
Q209	8-729-660-37	s	2SC1363
Q210	8-729-173-37	s	2SA733-P
Q211	8-729-663-48	s	2SC1364-8
Q212	8-729-173-37	s	2SA733-P
Q213	8-729-663-48	s	2SC1364-8
Q214	8-729-173-37	s	2SA733-P
Q215	8-729-663-48	s	2SC1364-8
Q216	8-729-173-37	s	2SA733-P
Q217	8-729-201-05	s	2SC2878-B

Ref.No.	Parts No.	SP	Description
Q501	8-729-177-32	s	2SD773
Q502	8-759-178-05	s	uPC78L05(NEC)
Q503	8-729-113-32	s	2SB733
Q504	8-759-179-05	s	uPC7905H(NEC)
RV101	1-228-308-00	s	VAR,CERMET 10K
RV102	1-228-307-00	s	VAR,CERMET 5K
RV103	1-228-309-00	s	VAR,CERMET 20K
RV104	1-228-310-00	s	VAR,CERMET 50K
RV201	1-228-308-00	s	VAR,CERMET 10K
RV202	1-228-307-00	s	VAR,CERMET 5K
RV203	1-228-309-00	s	VAR,CERMET 20K
RV204	1-228-310-00	s	VAR,CERMET 50K

AU-46 BOARD

	A-6713-188-A	o	MOUNTED CIRCUIT BOARD,AU-46
C109	1-108-583-00	s	MYLAR 0.015 5% 50V
C110	1-107-210-00	s	MICA 22PF 5% 500V
C113	1-108-595-00	s	MYLAR 0.047 5% 50V
C114	1-124-186-00	s	ELECT 10 20% 50V
C115	1-108-569-00	s	MYLAR 0.0039 5% 50V
C117	1-108-595-00	s	MYLAR 0.047 5% 50V
C119	1-108-595-00	s	MYLAR 0.047 5% 50V
C124	1-108-567-00	s	MYLAR 0.0033 5% 50V
C129	1-108-565-00	s	MYLAR 0.0027 5% 50V
C130	1-108-603-00	s	MYLAR 0.1 5% 50V
C131	1-108-585-00	s	MYLAR 0.018 5% 50V
C133	1-107-179-00	s	MICA 270PF 5% 500V
C209	1-108-583-00	s	MYLAR 0.015 5% 50V
C210	1-107-210-00	s	MICA 22PF 5% 500V
C213	1-108-595-00	s	MYLAR 0.047 5% 50V
C214	1-124-186-00	s	ELECT 10 20% 50V
C215	1-108-569-00	s	MYLAR 0.0039 5% 50V
C218	1-108-595-00	s	MYLAR 0.047 5% 50V
C220	1-108-595-00	s	MYLAR 0.047 5% 50V
C224	1-108-567-00	s	MYLAR 0.0033 5% 50V
C229	1-108-565-00	s	MYLAR 0.0027 5% 50V
C230	1-108-603-00	s	MYLAR 0.1 5% 50V
C231	1-108-585-00	s	MYLAR 0.018 5% 50V
C233	1-107-179-00	s	MICA 270PF 5% 500V
C301	1-130-338-00	s	FILM 0.01 5% 630V
C305	1-108-591-00	s	MYLAR 0.033 5% 50V
C306	1-108-579-00	s	MYLAR 0.01 5% 50V
C307	1-108-579-00	s	MYLAR 0.01 5% 50V
C309	1-108-595-00	s	MYLAR 0.047 5% 50V
C312	1-108-579-00	s	MYLAR 0.01 5% 50V
C314	1-130-336-00	s	FILM 0.0068 5% 630V
C315	1-107-169-00	s	MICA 100PF 5% 500V
C318	1-108-579-00	s	MYLAR 0.01 5% 50V
C320	1-130-336-00	s	FILM 0.0068 5% 630V
C321	1-107-169-00	s	MICA 100PF 5% 500V
C323	1-108-579-00	s	MYLAR 0.01 5% 50V
C324	1-123-819-00	s	ELECT 33 20% 25V
C325	1-130-062-00	s	FILM 0.0056 5% 630V
C327	1-108-579-00	s	MYLAR 0.01 5% 50V
C329	1-130-062-00	s	FILM 0.0056 5% 630V

Ref.No.	Parts No.	SP	Description
C331	1-108-579-00	s	MYLAR 0.01 5% 50V
C333	1-130-062-00	s	FILM 0.0056 5% 630V
C336	1-108-595-00	s	MYLAR 0.047 5% 50V
C337	1-108-595-00	s	MYLAR 0.047 5% 50V
C338	1-108-599-00	s	MYLAR 0.068 5% 50V
C341	1-108-595-00	s	MYLAR 0.047 5% 50V
C342	1-108-595-00	s	MYLAR 0.047 5% 50V
C343	1-108-599-00	s	MYLAR 0.068 5% 50V
C346	1-108-595-00	s	MYLAR 0.047 5% 50V
C347	1-108-595-00	s	MYLAR 0.047 5% 50V
C348	1-108-599-00	s	MYLAR 0.068 5% 50V
C351	1-108-595-00	s	MYLAR 0.047 5% 50V
D101	8-719-911-19	s	1SS119
D102	8-719-911-19	s	1SS119
D103	8-719-911-19	s	1SS119
D104	8-719-168-07	s	RD6.8E-B
D105	8-719-911-19	s	1SS119
D201	8-719-911-19	s	1SS119
D202	8-719-911-19	s	1SS119
D203	8-719-911-19	s	1SS119
D204	8-719-168-07	s	RD6.8E-B
D205	8-719-911-19	s	1SS119
D301	8-719-911-19	s	1SS119
D302	8-719-911-19	s	1SS119
D303	8-719-911-19	s	1SS119
D304	8-719-911-19	s	1SS119
D305	8-719-911-19	s	1SS119
IC101	8-759-705-62	s	NJM4562D-D(JRC)
IC102	8-759-700-04	s	NJM2043D-D(JRC)
IC201	8-759-705-62	s	NJM4562D-D(JRC)
IC202	8-759-700-04	s	NJM2043D-D(JRC)
L301	1-459-155-00	s	45
LV101	1-407-304-00	s	VAR,18mH
LV102	1-407-304-00	s	VAR,18mH
LV103	1-407-297-00	s	VAR,3.5mH
LV104	1-407-304-00	s	VAR,18mH
LV201	1-407-304-00	s	VAR,18mH
LV202	1-407-304-00	s	VAR,18mH
LV203	1-407-297-00	s	VAR,3.5mH
LV204	1-407-304-00	s	VAR,18mH
LV301	1-407-285-00	s	VAR,1.5mH
LV302	1-407-284-00	s	VAR,1mH
LV303	1-407-284-00	s	VAR,1mH
LV304	1-407-284-00	s	VAR,1mH
LV305	1-407-284-00	s	VAR,1mH
LV306	1-407-284-00	s	VAR,1mH
Q101	8-729-173-37	s	2SA733-P
Q102	8-729-663-48	s	2SC1364-8
Q103	8-729-663-48	s	2SC1364-8
Q104	8-729-201-05	s	2SC2878-B
Q105	8-729-240-01	s	2SK240

Ref.No.	Parts No.	SP	Description
Q106	8-729-629-12	s	2SC2291
Q107	8-729-173-37	s	2SA733-P
Q108	8-729-663-48	s	2SC1364-8
Q109	8-769-193-09	s	2SK43-3
Q110	8-729-633-48	s	2SC1364-8
Q111	8-729-201-05	s	2SC2878-B
Q112	8-729-173-37	s	2SA733-P
Q201	8-729-173-37	s	2SA733-P
Q202	8-729-663-48	s	2SC1364-8
Q203	8-729-663-48	s	2SC1364-8
Q204	8-729-201-05	s	2SC2878-B
Q205	8-729-240-01	s	2SK240
Q206	8-729-629-12	s	2SC2291
Q207	8-729-173-37	s	2SA733-P
Q208	8-729-663-48	s	2SC1364-8
Q209	8-769-193-09	s	2SK43-3
Q210	8-729-663-48	s	2SC1364-8
Q211	8-729-201-05	s	2SC2878-B
Q212	8-729-173-37	s	2SA733-P
Q213	8-729-173-37	s	2SA733-P
Q301	8-729-173-37	s	2SA733-P
Q302	8-729-177-43	s	2SD774
Q303	8-729-177-43	s	2SD774
Q304	8-729-177-43	s	2SD774
Q305	8-729-173-37	s	2SA733-P
Q306	8-729-177-43	s	2SD774
Q307	8-729-177-43	s	2SD774
Q308	8-729-173-37	s	2SA733-P
Q309	8-729-173-37	s	2SA733-P
Q310	8-729-177-43	s	2SD774
Q311	8-729-177-43	s	2SD774
Q312	8-729-177-43	s	2SD774
Q313	8-729-173-37	s	2SA733-P
Q314	8-729-177-43	s	2SD774
Q315	8-729-177-43	s	2SD774
Q316	8-729-177-43	s	2SD774
Q317	8-729-173-37	s	2SA733-P
Q318	8-729-177-43	s	2SD774
Q319	8-729-177-43	s	2SD774
Q320	8-729-177-43	s	2SD774
Q321	8-729-173-37	s	2SA733-P
Q322	8-729-177-43	s	2SD774
Q323	8-729-177-43	s	2SD774
Q324	8-729-177-43	s	2SD774
Q325	8-729-173-37	s	2SA733-P
Q326	8-729-177-43	s	2SD774
Q327	8-729-177-43	s	2SD774
Q328	8-729-177-43	s	2SD774
Q329	8-729-173-37	s	2SA733-P
Q330	8-729-201-05	s	2SC2878-B
Q331	8-729-201-05	s	2SC2878-B
Q322	8-729-173-37	s	2SA733-P
Q333	8-729-201-05	s	2SC2878-B
Q334	8-729-201-05	s	2SC2878-B
Q335	8-729-173-37	s	2SA733-P
Q336	8-729-201-05	s	2SC2878-B
Q337	8-729-201-05	s	2SC2878-B

Ref.No.	Parts No.	SP	Description
R118	1-212-706-00	s	METAL 150K 1% 1/2W
R218	1-212-706-00	s	METAL 150K 1% 1/2W
R311	1-244-825-00	s	CARBON 10 5% 1/2W
R329	1-244-825-00	s	CARBON 10 5% 1/2W
R331	1-244-829-00	s	CARBON 15 5% 1/2W
R340	1-244-825-00	s	CARBON 10 5% 1/2W
R342	1-244-829-00	s	CARBON 15 5% 1/2W
R349	1-244-833-00	s	CARBON 22 5% 1/2W
R350	1-244-825-00	s	CARBON 10 5% 1/2W
R357	1-244-833-00	s	CARBON 22 5% 1/2W
R358	1-244-825-00	s	CARBON 10 5% 1/2W
R365	1-244-833-00	s	CARBON 22 5% 1/2W
R366	1-244-825-00	s	CARBON 10 5% 1/2W
RV101	1-228-298-00	s	VAR,CERMET 200K
RV102	1-228-293-00	s	VAR,CERMET 5K
RV103	1-228-308-00	s	VAR,CERMET 10K
RV104	1-228-294-00	s	VAR,CERMET 10K
RV105	1-228-294-00	s	VAR,CERMET 10K
RV106	1-228-296-00	s	VAR,CERMET 50K
RV107	1-228-291-00	s	VAR,CERMET 1K
RV201	1-228-298-00	s	VAR,CERMET 200K
RV202	1-228-293-00	s	VAR,CERMET 5K
RV203	1-228-308-00	s	VAR,CERMET 10K
RV204	1-228-294-00	s	VAR,CERMET 10K
RV205	1-228-294-00	s	VAR,CERMET 10K
RV206	1-228-296-00	s	VAR,CERMET 50K
RV207	1-228-291-00	s	VAR,CERMET 1K
RV301	1-228-302-00	s	VAR,CERMET 100
RV302	1-228-302-00	s	VAR,CERMET 100
S101	1-516-923-21	s	SWITCH
S201	1-516-923-21	s	SWITCH
T301	1-433-195-00	s	BIAS
T302	1-433-196-00	s	BIAS
T303	1-433-196-00	s	BIAS
T304	1-433-196-00	s	BIAS
T305	1-433-196-00	s	BIAS
T306	1-433-196-00	s	BIAS

Ref.No.	Parts No.	SP	Description
BC-5 BOARD			
	A-6717-343-A	o	MOUNTED CIRCUIT BOARD,BC-5
C5	1-102-112-00	s	CERAMIC 330PF 10% 50V
C6	1-102-123-00	s	CERAMIC 0.0033 10% 50V
C7	1-102-109-00	s	CERAMIC 180PF 10% 50V
C8	1-102-109-00	s	CERAMIC 180PF 10% 50V
CN1	1-564-417-11	o	RECEPTACLE,12P
CN2	1-564-416-11	o	RECEPTACLE,10P
CN3	1-564-415-11	o	RECEPTACLE,8P
D1	8-719-911-19	s	1SS119
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
IC1	8-759-240-08	s	TC4008BP(TOSHIBA)
IC2	8-759-200-32	s	TC40H161P(TOSHIBA)
IC3	8-759-145-84	s	uPD4584BC(NEC)
IC4	8-759-240-08	s	TC4008BP(TOSHIBA)
IC5	8-759-200-32	s	TC40H161P(TOSHIBA)
IC6	8-759-200-32	s	TC40H161P(TOSHIBA)
IC7	8-759-220-04	s	TC40H004P(TOSHIBA)
IC8	8-759-220-74	s	TC40H074P(TOSHIBA)
IC9	8-759-200-22	s	TC40H138P(TOSHIBA)
IC10	8-759-200-22	s	TC40H138P(TOSHIBA)
IC11	8-759-200-22	s	TC40H138P(TOSHIBA)
IC12	8-759-200-22	s	TC40H138P(TOSHIBA)
IC13	8-759-240-30	s	TC4030BP(TOSHIBA)
IC14	8-759-240-27	s	TC4027BP(TOSHIBA)
IC15	8-759-974-06	s	SN7406N(TI)
IC16	8-759-200-22	s	TC40H138P(TOSHIBA)
IC17	8-759-240-19	s	TC4019BP(TOSHIBA)
IC18	8-759-240-19	s	TC4019BP(TOSHIBA)
IC19	8-759-240-25	s	TC4025BP(TOSHIBA)
IC20	8-759-240-81	s	TC4081BP(TOSHIBA)
IC21	8-759-240-27	s	TC4027BP(TOSHIBA)
IC22	8-759-240-50	s	TC4050BP(TOSHIBA)
IC23	8-759-200-22	s	TC40H138P(TOSHIBA)
IC24	8-759-240-19	s	TC4019BP(TOSHIBA)
IC25	8-759-240-19	s	TC4019BP(TOSHIBA)
IC26	8-759-240-25	s	TC4025BP(TOSHIBA)
IC27	8-759-240-81	s	TC4081BP(TOSHIBA)
IC28	8-759-240-27	s	TC4027BP(TOSHIBA)
IC29	8-759-974-06	s	SN7406N(TI)
IC30	8-759-240-13	s	TC4013BP(TOSHIBA)
IC31	8-759-240-01	s	TC4001BP(TOSHIBA)
IC32	8-759-240-27	s	TC4027BP(TOSHIBA)
IC33	8-759-240-50	s	TC4050BP(TOSHIBA)
IC34	8-759-240-15	s	TC4015BP(TOSHIBA)
IC35	8-759-240-81	s	TC4081BP(TOSHIBA)
IC36	8-759-240-13	s	TC4013BP(TOSHIBA)
IC37	8-759-240-13	s	TC4013BP(TOSHIBA)
IC38	8-759-145-84	s	uPD4584BC(NEC)
L1	1-459-155-00	s	45
S1	1-553-563-00	s	ROTARY
S2	1-553-563-00	s	ROTARY
S3	1-553-563-00	s	ROTARY
S4	1-552-509-00	s	DIP
S5	1-552-509-00	s	DIP
X1	1-527-476-00	s	480kHz
BC-6 BOARD			
	A-6717-344-A	o	MOUNTED CIRCUIT BOARD,BC-6
C5	1-102-112-00	s	CERAMIC 330PF 10% 50V
CN2	1-560-471-00	o	RECEPTACLE,10P
	1-561-589-00	o	HOUSING,10P
	1-561-557-00	o	CONTACT
CN3	1-560-471-00	o	RECEPTACLE,10P
	1-561-589-00	o	HOUSING,10P
	1-561-557-00	o	CONTACT
CN4	1-560-471-00	o	RECEPTACLE,10P
	1-561-589-001	o	HOUSING,10P
	1-561-557-00	o	CONTACT
D1	8-719-911-19	s	1SS119
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
IC1	8-759-600-61	s	M54529AP(MITSUBISHI)
IC2	8-759-241-74	s	TC40174BP(TOSHIBA)
IC3	8-759-940-94	s	MSM4094RS(OKI)
IC4	8-759-600-61	s	M54529AP(MITSUBISHI)
IC5	8-759-241-74	s	TC40174BP(TOSHIBA)
IC6	8-759-940-94	s	MSM4094RS(OKI)
IC7	8-759-600-61	s	M54529AP(MITSUBISHI)
IC8	8-759-241-74	s	TC40174BP(TOSHIBA)
IC9	8-759-940-94	s	MSM4094RS(OKI)
IC10	8-759-240-49	s	TC4049BP(TOSHIBA)
IC11	8-759-240-30	s	TC4030BP(TOSHIBA)
IC12	8-759-600-61	s	M54529AP(MITSUBISHI)
IC13	8-759-245-55	s	TC4555BP(TOSHIBA)
IC14	8-759-240-81	s	TC4081BP(TOSHIBA)
IC15	8-759-600-61	s	M54529AP(MITSUBISHI)
IC16	8-759-145-84	s	uPD4584BC(NEC)
IC17	8-759-145-84	s	uPD4584BC(NEC)
L1	1-459-155-00	s	45

Ref.No.	Parts No.	SP	Description
BF-7 BOARD			
	A-6713-189-A	o	MOUNTED CIRCUIT BOARD,BF-7
C3	1-123-616-00	s	ELECT 4.7 20% 25V
C10	1-108-595-00	s	MYLAR 0.047 5% 50V
C103	1-123-616-00	s	ELECT 4.7 20% 25V
D1	8-719-911-19	s	1SS119
D2	8-719-911-19	s	1SS119
D3	8-719-200-02	s	10E-2
D102	8-719-911-19	s	1SS119
IC1	8-759-745-56	s	NJM4556D(JRC)
IC201	8-759-700-62	s	NJM4562D(JRC)
IC301	8-759-700-62	s	NJM4562D(JRC)
Q1	8-729-663-47	s	2SC1364
Q2	8-729-663-47	s	2SC1364
Q3	8-729-663-47	s	2SC1364
Q4	8-729-201-05	s	2SC2878-B
Q5	8-729-173-37	s	2SA733-P
Q101	8-729-663-47	s	2SC1364
Q102	8-729-663-47	s	2SC1364
Q103	8-729-201-05	s	2SC2878-B
Q104	8-729-173-37	s	2SA733-P
R16	1-244-849-00	s	CARBON 100 5% 1/2W
R17	1-244-849-00	s	CARBON 100 5% 1/2W
R205	1-244-849-00	s	CARBON 100 5% 1/2W
R206	1-244-849-00	s	CARBON 100 5% 1/2W
R305	1-244-849-00	s	CARBON 100 5% 1/2W
R306	1-244-849-00	s	CARBON 100 5% 1/2W
RV1	1-228-306-00	s	VAR,CERMET 2K
RV101	1-228-306-00	s	VAR,CERMET 2K
RV201	1-228-307-00	s	VAR,CERMET 5K
RV202	1-228-307-00	s	VAR,CERMET 5K
RV301	1-228-307-00	s	VAR,CERMET 5K
RV302	1-228-307-00	s	VAR,CERMET 5K

Ref.No.	Parts No.	SP	Description
CC-15 BOARD			
	A-6711-491-A	o	MOUNTED CIRCUIT BOARD,CC-15 WITH DUS-41 BOARD
C2	1-123-821-00	s	ELECT 47 20% 16V
C3	1-123-821-00	s	ELECT 47 20% 16V
C9	1-123-821-00	s	ELECT 47 20% 16V
C10	1-109-545-00	s	MICA 270PF 5% 100V
C11	1-124-185-00	s	ELECT 4.7 20% 50V
C12	1-124-119-00	s	ELECT 330 20% 16V
C16	1-161-483-00	s	CERAMIC 0.1 10% 50V
C24	1-123-821-00	s	ELECT 47 20% 16V
C26	1-124-185-00	s	ELECT 4.7 20% 50V
C27	1-124-119-00	s	ELECT 330 20% 16V
C31	1-161-483-00	s	CERAMIC 0.1 10% 50V
C35	1-123-822-00	s	ELECT 47 20% 10V
C45	1-109-545-00	s	MICA 270PF 5% 100V
C46	1-124-185-00	s	ELECT 4.7 20% 50V
C47	1-124-119-00	s	ELECT 330 20% 16V
C51	1-161-483-00	s	CERAMIC 0.1 10% 50V
C55	1-123-821-00	s	ELECT 47 20% 16V
C57	1-124-185-00	s	ELECT 4.7 20% 50V
C58	1-124-119-00	s	ELECT 330 20% 16V
C62	1-161-483-00	s	CERAMIC 0.1 10% 50V
C101	1-123-822-00	s	ELECT 47 20% 10V
C106	1-123-821-00	s	ELECT 47 20% 16V
C112	1-123-821-00	s	ELECT 47 20% 16V
C114	1-124-119-00	s	ELECT 330 20% 16V
C124	1-107-043-00	s	MICA 2.7PF 500V
C126	1-123-617-00	s	ELECT 10 20% 16V
C129	1-161-468-00	s	CERAMIC 560P 5% 50V
C202	1-124-119-00	s	ELECT 330 20% 16V
C203	1-123-821-00	s	ELECT 47 20% 16V
C208	1-124-119-00	s	ELECT 330 20% 16V
C212	1-124-472-11	s	ELECT 470 20% 10V
C214	1-123-822-00	s	ELECT 47 20% 10V
C215	1-123-617-00	s	ELECT 10 20% 16V
C217	1-107-211-00	s	MICA 24PF 5% 500V
C219	1-123-822-00	s	ELECT 47 20% 10V
C221	1-123-821-00	s	ELECT 47 20% 16V
C223	1-123-821-00	s	ELECT 47 20% 16V
C225	1-161-483-00	s	CERAMIC 0.1 10% 50V
C226	1-123-620-00	s	ELECT 10 20% 25V
C227	1-131-404-00	s	ELECT 0.22 20% 25V
C301	1-124-230-11	s	ELECT 47 20% 10V
C302	1-161-481-00	s	CERAMIC 0.047 10% 50V
C303	1-124-230-11	s	ELECT 47 20% 10V
C304	1-161-481-00	s	CERAMIC 0.047 10% 50V
C306	1-161-474-00	s	CERAMIC 0.022 10% 50V
C308	1-161-474-00	s	CERAMIC 0.022 10% 50V
C309	1-161-474-00	s	CERAMIC 0.022 10% 50V
C311	1-161-474-00	s	CERAMIC 0.022 10% 50V
C314	1-161-481-00	s	CERAMIC 0.047 10% 50V
C315	1-124-236-00	s	ELECT 47 20% 16V
C316	1-124-236-00	s	ELECT 47 20% 16V

Ref.No.	Parts No.	SP	Description
C317	1-161-481-00	s	CERAMIC 0.047 10% 50V
C318	1-161-474-00	s	CERAMIC 0.022 10% 50V
C319	1-161-474-00	s	CERAMIC 0.022 10% 50V
C320	1-124-234-00	s	ELECT 22 20% 16V
C321	1-124-234-00	s	ELECT 22 20% 16V
C324	1-161-474-00	s	CERAMIC 0.022 10% 50V
C325	1-161-474-00	s	CERAMIC 0.022 10% 50V
C328	1-161-474-00	s	CERAMIC 0.022 10% 50V
C331	1-124-242-00	s	ELECT 33 20% 25V
C332	1-124-242-00	s	ELECT 33 20% 25V
C333	1-124-236-00	s	ELECT 47 20% 16V
C334	1-161-481-00	s	CERAMIC 0.047 10% 50V
C335	1-124-236-00	s	ELECT 47 20% 16V
C336	1-161-481-00	s	CERAMIC 0.047 10% 50V
C337	1-124-230-11	s	ELECT 47 20% 10V
C338	1-161-481-00	s	CERAMIC 0.047 10% 50V
C340	1-109-549-00	s	MICA 390PF 5% 100V
C341	1-161-474-00	s	CERAMIC 0.022 10% 50V
C342	1-161-474-00	s	CERAMIC 0.022 10% 50V
C343	1-161-481-00	s	CERAMIC 0.047 10% 50V
C344	1-109-545-00	s	MICA 270PF 5% 100V
C345	1-161-481-00	s	CERAMIC 0.047 10% 50V
C347	1-161-481-00	s	CERAMIC 0.047 10% 50V
C349	1-161-481-00	s	CERAMIC 0.047 10% 50V
C351	1-161-481-00	s	CERAMIC 0.047 10% 50V
CN101	1-560-885-00	o	PLUG 20P
CN102	1-560-885-00	o	PLUG 20P
D201	8-719-901-33	s	1SS133
D202	8-719-901-33	s	1SS133
D203	8-719-901-33	s	1SS133
D204	8-719-901-33	s	1SS133
D205	8-719-100-20	s	RD3.9E-B1
D206	8-719-901-33	s	1SS133
D301	8-719-901-33	s	1SS133
D302	8-719-901-33	s	1SS133
D303	8-719-901-33	s	1SS133
D304	8-719-901-33	s	1SS133
D305	8-719-901-33	s	1SS133
D306	8-719-901-33	s	1SS133
D307	8-719-901-33	s	1SS133
FB1	1-535-178-00	s	
FB2	1-535-178-00	s	
FB3	1-535-178-00	s	
FB4	1-535-178-00	s	
FB5	1-535-178-00	s	
FB6	1-535-178-00	s	
FB7	1-535-178-00	s	
FB8	1-535-178-00	s	
FL1	1-235-321-00	s	LPF
FL2	1-235-321-11	s	LPF
FL101	1-235-322-11	s	LPF

Ref.No.	Parts No.	SP	Description
IC1	8-759-906-07	s	TL607CP(TI)
IC2	8-750-000-74	s	CX20061(SONY)
IC3	8-759-201-40	s	TL8605P-S(TOSHIBA)
IC4	8-759-178-08	s	uPC78L08(NEC)
IC5	8-759-201-40	s	TL8605P-S(TOSHIBA)
IC6	8-759-906-07	s	TL607CP(TI)
IC7	8-750-000-74	s	CX20061(SONY)
IC8	8-759-201-40	s	TL8605P-S(TOSHIBA)
IC9	8-759-201-40	s	TL8605P-S(TOSHIBA)
IC101	8-759-240-51	s	TC4051BP(TOSHIBA)
IC102	8-729-203-21	s	2SK389-GR
IC103	8-750-000-74	s	CX20061(SONY)
IC104	8-749-938-90	s	BX389(SONY)
IC201	8-750-000-74	s	CX20061(SONY)
IC202	8-749-938-90	s	BX389(SONY)
IC203	8-759-904-26	s	SN74ALS08N(TI)
IC204	8-759-990-82	s	TL082CP(TI)
IC301	8-759-902-21	s	SN74LS221N(TI)
IC302	8-759-301-24	s	HD10124(HITACHI)
IC303	8-759-001-98	s	MC10198L(MOTOROLA)
IC304	8-759-001-98	s	MC10198L(MOTOROLA)
IC305	8-759-300-25	s	HD10125(HITACHI)
IC306	8-759-904-18	s	SN74ALS00AN(TI)
IC307	8-749-938-10	s	BX381(SONY)
IC308	8-759-900-59	s	HI1-201-5(HARRIS)
IC309	8-759-145-57	s	uPC4557C(NEC)
IC310	8-759-354-52	s	HD75452P(HITACHI)
IC311	8-759-131-11	s	uPC311C(NEC)
LV101	1-407-572-00	s	VAR,33
LV201	1-407-574-00	s	VAR,68
Q1	8-724-375-01	s	2SC403C
Q2	8-729-603-50	s	2SC403SP
Q3	8-724-375-01	s	2SC403C
Q4	8-729-173-37	s	2SA733-P
Q5	8-724-375-01	s	2SC403C
Q6	8-724-375-01	s	2SC403C
Q7	8-729-173-37	s	2SA733-P
Q8	8-724-375-01	s	2SC403C
Q9	8-724-375-01	s	2SC403C
Q10	8-729-603-50	s	2SC403SP
Q11	8-724-375-01	s	2SC403C
Q12	8-729-173-37	s	2SA733-P
Q13	8-724-375-01	s	2SC403C
Q14	8-724-375-01	s	2SC403C
Q15	8-729-173-37	s	2SA733-P
Q16	8-724-375-01	s	2SC403C
Q101	8-729-112-06	s	2SA1206
Q102	8-769-193-09	s	2SK43-3
Q103	8-724-375-01	s	2SC403C
Q104	8-729-173-37	s	2SA733-P
Q105	8-724-375-01	s	2SC403C
Q106	8-724-375-01	s	2SC403C
Q107	8-729-190-12	s	2SC2901
Q201	8-724-375-01	s	2SC403C
Q202	8-729-190-12	s	2SC2901

Ref.No.	Parts No.	SP	Description
Q203	8-729-190-12	s	2SC2901
Q204	8-729-375-01	s	2SC403C
Q205	8-729-190-12	s	2SC2901
Q206	8-729-190-12	s	2SC2901
Q207	8-729-112-06	s	2SA1206
Q208	8-729-112-06	s	2SA1206
Q209	8-729-112-06	s	2SA1206
Q210	8-729-112-06	s	2SA1206
Q301	8-729-190-12	s	2SC2901
RV1	1-228-291-00	s	VAR,CERMET 1K
RV2	1-228-290-00	s	VAR,CERMET 500
RV3	1-228-294-00	s	VAR,CERMET 10K
RV4	1-228-290-00	s	VAR,CERMET 500
RV5	1-228-294-00	s	VAR,CERMET 10K
RV6	1-228-291-00	s	VAR,CERMET 1K
RV7	1-228-290-00	s	VAR,CERMET 500
RV8	1-228-294-00	s	VAR,CERMET 10K
RV9	1-228-290-00	s	VAR,CERMET 500
RV10	1-228-294-00	s	VAR,CERMET 10K
RV101	1-228-290-00	s	VAR,CERMET 500
RV102	1-228-292-00	s	VAR,CERMET 2K
RV103	1-228-293-00	s	VAR,CERMET 5K
RV201	1-228-292-00	s	VAR,CERMET 2K
RV202	1-228-293-00	s	VAR,CERMET 5K
RV301	1-228-293-00	s	VAR,CERMET 5K
RV302	1-228-293-00	s	VAR,CERMET 5K
TH1	1-800-071-XX	s	S-300
TH2	1-800-071-XX	s	S-300
TH201	1-806-702-00	s	2700

DUS-41 BOARD

(UC: S/N 10846 TO 10930)
(J: S/N 10296 TO 10345)

C131	1-107-046-00	s	MICA 4.7PF 500V
Q108	8-729-190-12	s	2SC2901
Q109	8-729-110-52	s	2SA1005
RV104	1-224-938-00	s	VAR,METAL 2K

Ref.No.	Parts No.	SP	Descripion

CK-14 BOARD

	A-6711-518-A	o	MOUNTED CIRCUIT BOARD,CK-14 WITH CK-17 BOARD

CK-14 BOARD

C10	1-102-114-00	s	CERAMIC 470PF 10% 50V
C18	1-109-535-00	s	MICA 100PF 5% 100V
C23	1-109-537-00	s	MICA 120PF 5% 100V
C25	1-102-106-00	s	CERAMIC 100PF 10% 50V
C26	1-102-114-00	s	CERAMIC 470PF 10% 50V
C33	1-109-526-00	s	MICA 43PF 5% 100V
C36	1-109-539-00	s	MICA 150PF 5% 100V
C55	1-109-526-00	s	MICA 43PF 5% 100V
C81	1-102-106-00	s	CERAMIC 100PF 10% 50V
C89	1-109-545-00	s	MICA 270PF 5% 100V
C90	1-130-853-00	s	FILM 0.0047 5% 100V
C123	1-109-549-00	s	MICA 390PF 5% 100V
C125	1-109-528-00	s	MICA 51PF 5% 100V
C126	1-109-531-00	s	MICA 68PF 5% 100V
C128	1-102-106-00	s	CERAMIC 100PF 10% 50V
C129	1-102-114-00	s	CERAMIC 470PF 10% 50V
C141	1-109-525-00	s	MICA 39PF 5% 100V
C146	1-109-539-00	s	MICA 150PF 5% 100V
C163	1-109-525-00	s	MICA 39PF 5% 100V
C179	1-130-853-00	s	FILM 0.0047 5% 100V
C203	1-109-545-00	s	MICA 270PF 5% 100V
C221	1-107-204-00	s	MICA 12PF 5% 500V
C234	1-107-159-00	s	MICA 33PF 5% 500V
C277	1-109-539-00	s	MICA 150PF 5% 100V
C279	1-109-539-00	s	MICA 150PF 5% 100V
C286	1-109-562-00	s	MICA 0.0011 5% 100V
C301	1-109-553-00	s	MICA 470PF 5% 100V
D1	8-719-901-33	s	1SS133
D2	8-719-901-33	s	1SS133
D3	8-719-901-33	s	1SS133
D4	8-719-901-33	s	1SS133
D5	8-719-901-33	s	1SS133
D7	8-719-901-33	s	1SS133
D8	8-719-901-33	s	1SS133
D9	8-719-901-33	s	1SS133
D10	8-719-901-33	s	1SS133
D11	8-719-901-33	s	1SS133
D12	8-719-901-33	s	1SS133
D13	8-719-901-33	s	1SS133
D14	8-719-901-33	s	1SS133
D15	8-719-901-33	s	1SS133
D16	8-719-901-33	s	1SS133
D17	8-719-901-33	s	1SS133
D19	8-719-901-33	s	1SS133
D20	8-719-901-33	s	1SS133
D21	8-719-901-33	s	1SS133
D22	8-719-901-33	s	1SS133
D23	8-719-101-97	s	1SS97
D24	8-719-815-80	s	1S1587
D25	8-719-901-33	s	1SS133
D26	8-719-901-33	s	1SS133
D27	8-719-901-33	s	1SS133

Ref.No.	Parts No.	SP	Description
D28	8-719-162-07	s	RD6.2E-B
D29	8-719-901-33	s	1SS133
D30	8-719-162-07	s	RD6.2E-B
D33	8-719-901-33	s	1SS133
D50	8-719-815-80	s	1S1587
IC2	8-759-901-91	s	SN74LS191N(TI)
IC3	8-759-901-23	s	SN74LS123N(TI)
IC1B	8-759-902-74	s	SN74LS423N(TI)
IC1C	8-759-900-74	s	SN74LS74AN(TI)
IC1D	8-759-900-00	s	SN74LS00N(TI)
IC1E	8-759-900-11	s	SN74LS11N(TI)
IC1F	8-759-900-58	s	HA1-4905-5(HARRIS)
IC1J	8-759-974-06	s	SN7406N(TI)
IC1K	8-759-103-19	s	uPC319C(NEC)
IC1L	8-759-900-74	s	SN74LS74AN(TI)
IC1M	8-759-900-00	s	SN74LS00N(TI)
IC1N	8-759-900-11	s	SN74LS11N(TI)
IC1P	8-759-900-58	s	HA1-4905-5(HARRIS)
IC1T	8-757-731-00	s	CX773A(SONY)
IC1U	8-759-300-25	s	HD10125(HITACHI)
IC1V	8-759-900-00	s	SN74LS00N(TI)
IC1X	8-757-903-00	s	CX7903(SONY)
IC1Y	8-759-103-19	s	uPC319C(NEC)
IC2A	8-759-301-24	s	HD10124(HITACHI)
IC2B	8-759-902-21	s	SN74LS221N(TI)
IC2C	8-759-901-63	s	SN74LS163AN(TI)
IC2D	8-759-902-21	s	SN74LS221N(TI)
IC2E	8-759-901-12	s	SN74LS112AN(TI)
IC2G	8-759-990-82	s	TL082CP(TI)
IC2H	8-759-990-84	s	TL084CN(TI)
IC2J	8-759-301-24	s	HD10124(HITACHI)
IC2K	8-759-902-21	s	SN74LS221N(TI)
IC2L	8-759-901-63	s	SN74LS163AN(TI)
IC2M	8-759-902-21	s	SN74LS221N(TI)
IC2N	8-759-901-12	s	SN74LS112AN(TI)
IC2R	8-759-990-82	s	TL082CP(TI)
IC2S	8-759-990-84	s	TL084CN(TI)
IC2T	8-759-943-65	s	SN74365AN(TI)
IC2U	8-759-974-04	s	SN7404N(TI)
IC2V	8-759-952-07	s	SN75207BN(TI)
IC2W	8-759-974-06	s	SN7406N(TI)
IC3A	8-759-001-98	s	MC10198L(MOTOROLA)
IC3B	8-759-901-63	s	SN74LS163AN(TI)
IC3C	8-759-914-00	s	SN7400N(TI)
IC3D	8-759-901-64	s	SN74LS164N(TI)
IC3E	8-759-900-08	s	SN74LS08N(TI)
IC3F	8-759-900-59	s	HI1-201-5(HARRIS)
IC3G	8-749-938-10	s	BX381(SONY)
IC3H	8-759-908-86	s	HI1-201H-5(HARRIS)
IC3J	8-759-001-98	s	MC10198L(MOTOROLA)
IC3K	8-759-901-63	s	SN74LS163AN(TI)
IC3L	8-759-914-00	s	SN7400N(TI)
IC3M	8-759-901-64	s	SN74LS164N(TI)
IC3N	8-759-900-08	s	SN74LS08N(TI)
IC3P	8-759-900-59	s	HI1-201-5(HARRIS)

Ref.No.	Parts No.	SP	Description
IC3R	8-749-938-10	s	BX381(SONY)
IC3S	8-759-908-86	s	HI1-201H-5(HARRIS)
IC3T	8-759-901-64	s	SN74LS164N(TI)
IC3U	8-759-901-64	s	SN74LS164N(TI)
IC3V	8-759-902-21	s	SN74LS221N(TI)
IC3W	8-759-942-65	s	SN74265N(TI)
IC3X	8-749-938-10	s	BX381(SONY)
IC4A	8-759-001-98	s	MC10198L(MOTOROLA)
IC4B	8-759-911-63	s	SN74S163N(TI)
IC4C	8-759-900-74	s	SN74LS74AN(TI)
IC4D	8-759-901-23	s	SN74LS123N(TI)
IC4E	8-759-900-04	s	SN74LS04N(TI)
IC4F	8-759-145-57	s	uPC4557C(NEC)
IC4G	8-759-745-60	s	NJM4560D(JRC)
IC4H	8-759-952-07	s	SN75207BN(TI)
IC4J	8-759-001-98	s	MC10198L(MOTOROLA)
IC4K	8-759-911-63	s	SN74S163N(TI)
IC4L	8-759-900-74	s	SN74LS74AN(TI)
IC4M	8-759-901-23	s	SN74LS123N(TI)
IC4N	8-759-900-04	s	SN74LS04N(TI)
IC4P	8-759-145-57	s	uPC4557C(NEC)
IC4R	8-759-745-60	s	NJM4560D(JRC)
IC4S	8-759-952-07	s	SN75207BN(TI)
IC4T	8-759-901-64	s	SN74LS164N(TI)
IC4U	8-759-900-00	s	SN74LS00N(TI)
IC4V	8-759-974-04	s	SN7404N(TI)
IC4W	8-759-901-63	s	SN74LS163AN(TI)
IC5A	8-759-300-25	s	HD10125(HITACHI)
IC5B	8-759-941-91	s	SN74191N(TI)
IC5C	8-759-901-74	s	SN74LS174N(TI)
IC5D	8-759-910-51	s	SN74S51N(TI)
IC5E	8-759-902-21	s	SN74LS221N(TI)
IC5F	8-759-902-21	s	SN74LS221N(TI)
IC5G	8-759-954-52	s	SN75452BP(TI)
IC5H	8-759-103-19	s	uPC319C(NEC)
IC5J	8-759-300-25	s	HD10125(HITACHI)
IC5K	8-759-941-91	s	SN74191N(TI)
IC5L	8-759-901-74	s	SN74LS174N(TI)
IC5M	8-759-910-51	s	SN74S51N(TI)
IC5N	8-759-902-21	s	SN74LS221N(TI)
IC5P	8-759-902-21	s	SN74LS221N(TI)
IC5R	8-759-954-52	s	SN75452BP(TI)
IC5S	8-759-103-19	s	uPC319C(NEC)
IC5T	8-759-901-64	s	SN74LS164N(TI)
IC5U	8-759-910-51	s	SN74S51N(TI)
IC5V	8-759-902-21	s	SN74LS221N(TI)
IC5W	8-759-901-63	s	SN74LS163AN(TI)
IC5X	8-759-911-63	s	SN74S163N(TI)
IC5Z	8-759-902-21	s	SN74LS221N(TI)
IC1GA	8-759-906-01	s	TL601CP(TI)
IC1GB	8-759-906-01	s	TL601CP(TI)
IC1HA	8-759-906-01	s	TL601CP(TI)
IC1HB	8-759-906-01	s	TL601CP(TI)
IC1RA	8-759-906-01	s	TL601CP(TI)
IC1RB	8-759-906-01	s	TL601CP(TI)
IC1SA	8-759-906-01	s	TL601CP(TI)
IC1SB	8-759-906-01	s	TL601CP(TI)

Ref.No.	Parts No.	SP	Description
JP1	1-560-733-00	s	PIN,SHORT
JS1	1-561-832-00	s	SOCKET,SHORT
L1	1-408-409-00	s	MICRO 10
L2	1-408-409-00	s	MICRO 10
L3	1-421-329-00	s	10
L4	1-421-329-00	s	10
L5	1-421-329-00	s	10
L6	1-421-329-00	s	10
L7	1-408-409-00	s	MICRO 10
L8	1-408-409-00	s	MICRO 10
L9	1-408-409-00	s	MICRO 10
L10	1-408-409-00	s	MICRO 10
L11	1-408-409-00	s	MICRO 10
L12	1-408-409-00	s	MICRO 10
L13	1-421-329-00	s	10
L14	1-421-329-00	s	10
L15	1-408-409-00	s	MICRO 10
L16	1-407-932-00	s	MICRO 10
L18	1-408-409-00	s	MICRO 10
L19	1-408-409-00	s	MICRO 10
L20	1-408-409-00	s	MICRO 10
L21	1-408-409-00	s	MICRO 10
L22	1-408-409-00	s	MICRO 10
L24	1-408-020-00	s	MICRO 68
L27	1-421-329-00	s	10
L28	1-421-329-00	s	10
L29	1-408-409-00	s	MICRO 10
Q1	8-729-117-54	s	2SA1175
Q2	8-729-117-54	s	2SA1175
Q3	8-769-195-00	s	2SK43-5
Q4	8-729-117-54	s	2SA1175
Q5	8-729-672-43	s	2SC2724
Q6	8-729-117-54	s	2SA1175
Q7	8-724-375-01	s	2SC403C
Q8	8-724-375-01	s	2SC403C
Q9	8-724-375-01	s	2SC403C
RB1	1-231-521-00	s	3.3Kx4
RB2	1-231-521-00	s	3.3Kx4
RV1	1-228-293-00	s	VAR,CERMET 5K
RV2	1-228-294-00	s	VAR,CERMET 10K
RV3	1-228-292-00	s	VAR,CERMET 2K
RV5	1-228-291-00	s	VAR,CERMET 1K
RV6	1-228-294-00	s	VAR,CERMET 10K
RV7	1-228-293-00	s	VAR,CERMET 5K
RV8	1-228-293-00	s	VAR,CERMET 5K
RV9	1-228-292-00	s	VAR,CERMET 2K
RV12	1-228-294-00	s	VAR,CERMET 10K
RV13	1-228-293-00	s	VAR,CERMET 5K
RV14	1-228-293-00	s	VAR,CERMET 5K
RV20	1-224-940-00	s	VAR,METAL 10K

Ref.No.	Parts No.	SP	Description
S1	1-553-925-00	s	ROTARY
S2	1-553-925-00	s	ROTARY
X1W	1-527-478-00	s	VCO,910FH
X4X	1-567-057-00	s	VCO,720FH

CK-17 BOARD

	1-612-015-13	o	PRINTED CIRCUIT BOARD,CK-17
C5	1-123-822-00	s	ELECT 47 20% 10V
D1	8-719-911-19	s	1SS199
D2	8-719-911-19	s	1SS199
IC1	8-759-902-21	s	SN74LS221N(TI)
IC2	8-759-902-21	s	SN74LS221N(TI)
IC3	8-759-900-51	s	SN74LS51N(TI)
IC4	8-759-900-08	s	SN74LS08N(TI)
IC5	8-759-900-04	s	SN74LS04N(TI)
RV1	1-228-461-00	s	VAR,CERMET 50K
RV2	1-228-461-00	s	VAR,CERMET 50K
RV3	1-228-461-00	s	VAR,CERMET 50K
RV4	1-228-461-00	s	VAR,CERMET 50K
S1	1-551-509-00	s	DIP

Ref.No.	Parts No.	SP	Description
CK-15 BOARD			
	A-6711-490-A	o	MOUNTED CIRCUIT BOARD,CK-15
C501	1-161-481-00	s	CERAMIC 0.047 10% 50V
C502	1-124-224-00	s	ELECT 47 20% 6.3V
C503	1-124-225-00	s	ELECT 100 20% 6.3V
C504	1-161-481-00	s	CERAMIC 0.047 10% 50V
C505	1-161-465-00	s	CERAMIC 330PF 5% 50V
C506	1-107-206-00	s	MICA 15PF 5% 500V
C507	1-161-474-00	s	CERAMIC 0.022 10% 50V
C511	1-161-461-00	s	CERAMIC 150PF 5% 50V
C512	1-161-474-00	s	CERAMIC 0.022 10% 50V
C514	1-161-474-00	s	CERAMIC 0.022 10% 50V
C515	1-161-474-00	s	CERAMIC 0.022 10% 50V
C516	1-161-460-00	s	CERAMIC 120PF 5% 50V
C517	1-161-474-00	s	CERAMIC 0.022 10% 50V
C701	1-124-224-00	s	ELECT 47 20% 6.3V
C702	1-161-481-00	s	CERAMIC 0.047 10% 50V
C703	1-107-210-00	s	MICA 22PF 5% 500V
C704	1-107-210-00	s	MICA 22PF 5% 500V
C705	1-124-224-00	s	ELECT 47 20% 6.3V
C706	1-161-481-00	s	CERAMIC 0.047 10% 50V
C707	1-124-224-00	s	ELECT 47 20% 6.3V
C708	1-161-481-00	s	CERAMIC 0.047 10% 50V
CN101	1-560-940-00	o	RECEPTACLE,20P
CN102	1-560-940-00	o	RECEPTACLE,20P
FB701	1-535-178-00	s	
FB702	1-535-178-00	s	
IC501	8-759-902-21	s	SN74LS221N(TI)
IC502	8-759-902-21	s	SN74LS221N(TI)
IC503	8-759-902-21	s	SN74LS221N(TI)
IC504	8-759-902-21	s	SN74LS221N(TI)
IC505	8-759-900-74	s	SN74LS74AN(TI)
IC701	8-759-908-78	s	CX7994(SONY)
IC702	8-759-908-74	s	CX7992(SONY)
L501	1-407-169-XX	s	100
L701	1-408-421-00	s	100
RV501	1-226-703-00	s	VAR,METAL 10K
RV502	1-226-703-00	s	VAR,METAL 10K
RV503	1-226-773-00	s	VAR,METAL 22K
RV504	1-226-703-00	s	VAR,METAL 10K
RV505	1-226-703-00	s	VAR,METAL 10K
RV506	1-226-703-00	s	VAR,METAL 10K
X1	1-567-148-00	s	VCO,3Fsc

Ref.No.	Parts No.	SP	Description
CL-7 BOARD			
	1-608-052-00	o	PRINTED CIRCUIT BOARD,CL-7
CP-61 BOARD			
	A-6713-190-A	o	MOUNTED CIRCUIT BOARD,CP-61
C1	1-108-555-00	s	MYLAR 0.001 5% 50V
C2	1-107-169-00	s	MICA 100PF 5% 500V
C3	1-107-210-00	s	MICA 22PF 5% 500V
C5	1-123-830-00	s	ELECT 4.7 20% 50V
C6	1-108-595-00	s	MYLAR 0.047 5% 50V
C7	1-108-595-00	s	MYLAR 0.047 5% 50V
C8	1-107-169-00	s	MICA 100PF 5% 500V
C9	1-107-169-00	s	MICA 100PF 5% 500V
C10	1-108-595-00	s	MYLAR 0.047 5% 50V
C11	1-108-595-00	s	MYLAR 0.047 5% 50V
C16	1-123-324-00	s	ELECT 1000 20% 16V
C17	1-123-324-00	s	ELECT 1000 20% 16V
C101	1-108-555-00	s	MYLAR 0.001 5% 50V
C102	1-107-169-00	s	MICA 100PF 5% 500V
C103	1-107-210-00	s	MICA 22PF 5% 500V
C105	1-123-830-00	s	ELECT 4.7 20% 50V
C201	1-102-108-00	s	CERAMIC 150PF 10% 50V
C202	1-107-210-00	s	MICA 22PF 5% 500V
C205	1-108-595-00	s	MYLAR 0.047 5% 50V
C206	1-108-595-00	s	MYLAR 0.047 5% 50V
C209	1-107-169-00	s	MICA 100PF 5% 500V
C210	1-107-169-00	s	MICA 100PF 5% 500V
C213	1-108-595-00	s	MYLAR 0.047 5% 50V
C214	1-108-595-00	s	MYLAR 0.047 5% 50V
C301	1-102-108-00	s	CERAMIC 150PF 10% 50V
C302	1-107-210-00	s	MICA 22PF 5% 500V
C305	1-108-595-00	s	MYLAR 0.047 5% 50V
C306	1-108-595-00	s	MYLAR 0.047 5% 50V
C309	1-107-169-00	s	MICA 100PF 5% 500V
C310	1-107-169-00	s	MICA 100PF 5% 500V
C313	1-108-595-00	s	MYLAR 0.047 5% 50V
C314	1-108-595-00	s	MYLAR 0.047 5% 50V
C401	1-102-108-00	s	CERAMIC 150PF 10% 50V
C402	1-107-210-00	s	MICA 22PF 5% 500V
C405	1-108-595-00	s	MYLAR 0.047 5% 50V
C406	1-108-595-00	s	MYLAR 0.047 5% 50V
C409	1-107-169-00	s	MICA 100PF 5% 500V
C410	1-107-169-00	s	MICA 100PF 5% 500V
C413	1-108-595-00	s	MYLAR 0.047 5% 50V
C414	1-108-595-00	s	MYLAR 0.047 5% 50V

Ref.No.	Parts No.	SP	Description
D1	8-719-200-46	s	10YD4.5A
D101	8-719-200-46	s	10YD4.5A
D201	8-719-911-19	s	1SS119
D202	8-719-911-19	s	1SS119
D203	8-719-200-02	s	10E-2
D204	8-719-200-02	s	10E-2
D301	8-719-911-19	s	1SS119
D302	8-719-911-19	s	1SS119
D401	8-719-911-19	s	1SS119
D402	8-719-911-19	s	1SS119
IC1	8-759-700-04	s	NJM2043D-D(JRC)
IC201	8-759-745-61	s	NJM4560D-D(JRC)
IC301	8-759-745-61	s	NJM4560D-D(JRC)
IC401	8-759-745-61	s	NJM4560D-D(JRC)
Q1	8-729-240-01	s	2SK240
Q2	8-729-378-84	s	2SD788
Q3	8-729-373-92	s	2SB739
Q101	8-729-240-01	s	2SK240
Q201	8-729-306-92	s	2SD669A
Q202	8-729-304-92	s	2SB649A
Q203	8-729-201-05	s	2SC2878-B
Q204	8-729-173-37	s	2SA733-P
Q205	8-729-378-84	s	2SD788
Q206	8-729-373-92	s	2SB739
Q301	8-729-306-92	s	2SD669A
Q302	8-729-304-92	s	2SB649A
Q303	8-729-201-05	s	2SC2878-B
Q304	8-729-173-37	s	2SA733-P
Q305	8-729-378-84	s	2SD788
Q306	8-729-373-92	s	2SB739
Q401	8-729-306-92	s	2SD669A
Q402	8-729-304-92	s	2SB649A
Q403	8-729-201-05	s	2SC2878-B
Q404	8-729-173-37	s	2SA733-P
Q405	8-729-378-84	s	2SD788
Q406	8-729-373-92	s	2SB739
Q407	8-729-201-05	s	2SC2878-B
Q408	8-729-173-37	s	2SA733-P
R13	1-247-192-00	s	CARBON 10 5% 1/2W
R14	1-247-192-00	s	CARBON 10 5% 1/2W
R208	1-247-192-00	s	CARBON 10 5% 1/2W
R209	1-247-192-00	s	CARBON 10 5% 1/2W
R210	1-247-185-00	s	CARBON 2.7 5% 1/2W
R212	1-247-228-00	s	CARBON 330 5% 1/2W
R213	1-247-228-00	s	CARBON 330 5% 1/2W
R308	1-247-192-00	s	CARBON 10 5% 1/2W
R309	1-247-192-00	s	CARBON 10 5% 1/2W
R310	1-247-185-00	s	CARBON 2.7 5% 1/2W
R312	1-247-228-00	s	CARBON 330 5% 1/2W
R313	1-247-228-00	s	CARBON 330 5% 1/2W
R408	1-247-192-00	s	CARBON 10 5% 1/2W
R409	1-247-192-00	s	CARBON 10 5% 1/2W
R412	1-247-228-00	s	CARBON 330 5% 1/2W
R413	1-247-228-00	s	CARBON 330 5% 1/2W

Ref.No.	Parts No.	SP	Description
RV201	1-224-251-XX	s	VAR,METAL 4.7K
RV301	1-224-251-XX	s	VAR,METAL 4.7K
RV401	1-224-251-XX	s	VAR,METAL 4.7K
T1	1-423-226-00	s	INPUT/OUTPUT
T101	1-423-226-00	s	INPUT/OUTPUT
T201	1-423-225-00	s	OUTPUT
T301	1-423-225-00	s	OUTPUT
T401	1-423-225-00	s	OUTPUT

CP-62 BOARD

	A-6715-213-A	o	MOUNTED CIRCUIT BOARD,CP-62
SW1	1-516-576-00	s	SLIDE "75ohm ON/OFF"
SW2	1-516-576-00	s	SLIDE "REF VIDEO"
SW3	1-516-576-00	s	SLIDE "75ohm ON/OFF"

CP-74 BOARD

	1-611-548-13	o	PRINTED CIRCUIT BOARD,CP-74
RV1	1-228-770-00	s	VAR,CARBON 5K "VIDEO"
RV2	1-228-770-00	s	VAR,CARBON 5K "CHROMA"
RV3	1-228-770-00	s	VAR,CARBON 5K "SET UP"
RV4	1-228-770-00	s	VAR,CARBON 5K "Y/C DELAY"
RV5	1-228-770-00	s	VAR,CARBON 5K "HUE"
RV6	1-228-770-00	s	VAR,CARBON 5K "SYSTEM PHASE SYNC"
RV7	1-228-770-00	s	VAR,CARBON 5K "SYSTEM PHASE SC"
S1	1-516-226-00	s	SLIDE "PRESET/MANUAL FOR VIDEO"
S2	1-516-226-00	s	SLIDE "PRESET/MANUAL FOR CHROMA"
S3	1-516-226-00	s	SLIDE "PRESET/MANUAL FOR SET UP"
S4	1-516-226-00	s	SLIDE "PRESET/MANUAL FOR Y/C DELAY"
S5	1-516-226-00	s	SLIDE "PRESET/MANUAL FOR HUE"
S6	1-516-226-00	s	SLIDE "AUDIO NR"
S7	1-516-226-00	s	SLIDE "VTR CONTROL"
S8	1-516-110-21	s	SLIDE "TBC CONTROL"

DE-11 BOARD

	A-6739-018-A	s	PC BOARD ASS'Y,DM

DEC-7 BOARD

	A-6711-492-A	o	MOUNTED CIRCUIT BOARD,DEC-7
C1	1-124-478-11	s	ELECT 100 20% 25V
C2	1-123-821-00	s	ELECT 47 20% 16V
C4	1-123-821-00	s	ELECT 47 20% 16V
C7	1-107-202-00	s	MICA 10PF 5% 500V
C10	1-123-821-00	s	ELECT 47 20% 16V

Ref.No.	Parts No.	SP	Description
C12	1-123-821-00	s	ELECT 47 20% 16V
C14	1-107-047-00	s	MICA 5.6PF 500V
C16	1-123-611-00	s	ELECT 1 20% 50V
C18	1-123-821-00	s	ELECT 47 20% 16V
C26	1-123-821-00	s	ELECT 47 20% 16V
C28	1-123-821-00	s	ELECT 47 20% 16V
C31	1-123-620-00	s	ELECT 10 20% 25V
C33	1-123-611-00	s	ELECT 1 20% 50V
C36	1-123-821-00	s	ELECT 47 20% 16V
C38	1-123-821-00	s	ELECT 47 20% 16V
C41	1-107-047-00	s	MICA 5.6PF 500V
C44	1-123-611-00	s	ELECT 1 20% 50V
C45	1-124-470-00	s	ELECT 470 20% 6.3V
C51	1-123-645-00	s	ELECT 33 20% 10V
C52	1-107-159-00	s	MICA 33PF 5% 500V
C53	1-107-159-00	s	MICA 33PF 5% 500V
C54	1-123-645-00	s	ELECT 33 20% 10V
C55	1-123-645-00	s	ELECT 33 20% 10V
C57	1-107-210-00	s	MICA 22PF 5% 500V
C58	1-123-661-00	s	ELECT 100 20% 6.3V
C59	1-123-822-00	s	ELECT 47 20% 10V
C64	1-107-159-00	s	MICA 33PF 5% 500V
C65	1-123-821-00	s	ELECT 47 20% 16V
C70	1-123-821-00	s	ELECT 47 20% 16V
C75	1-123-821-00	s	ELECT 47 20% 16V
C77	1-123-645-00	s	ELECT 33 20% 10V
C78	1-107-159-00	s	MICA 33PF 5% 500V
C79	1-107-159-00	s	MICA 33PF 5% 500V
C80	1-123-645-00	s	ELECT 33 20% 10V
C81	1-107-210-00	s	MICA 22PF 5% 500V
C82	1-123-622-00	s	ELECT 22 20% 16V
C87	1-131-404-00	s	ELECT 0.22 10% 25V
C88	1-131-404-00	s	ELECT 0.22 10% 25V
C89	1-131-404-00	s	ELECT 0.22 10% 25V
C90	1-131-404-00	s	ELECT 0.22 10% 25V
C91	1-123-821-00	s	ELECT 47 20% 16V
C93	1-123-821-00	s	ELECT 47 20% 16V
C95	1-123-821-00	s	ELECT 47 20% 16V
C96	1-123-821-00	s	ELECT 47 20% 16V
C98	1-123-821-00	s	ELECT 47 20% 16V
C100	1-123-821-00	s	ELECT 47 20% 16V
C101	1-123-821-00	s	ELECT 47 20% 16V
C103	1-123-821-00	s	ELECT 47 20% 16V
C105	1-123-821-00	s	ELECT 47 20% 16V
C109	1-123-821-00	s	ELECT 47 20% 16V
C112	1-123-821-00	s	ELECT 47 20% 16V
C116	1-123-821-00	s	ELECT 47 20% 16V
C117	1-107-210-00	s	MICA 22PF 5% 500V
C118	1-107-159-00	s	MICA 33PF 5% 500V
C119	1-123-617-00	s	ELECT 10 20% 16V
C120	1-123-821-00	s	ELECT 47 20% 16V
C131	1-107-208-00	s	MICA 18PF 5% 500V
C132	1-107-047-00	s	MICA 5.6PF 500V
C133	1-123-617-00	s	ELECT 10 20% 16V
C134	1-123-617-00	s	ELECT 10 20% 16V

Ref.No.	Parts No.	SP	Description
C138	1-123-613-00	s	ELECT 3.3 20% 50V
C139	1-123-821-00	s	ELECT 47 20% 16V
C141	1-123-617-00	s	ELECT 10 20% 16V
C142	1-123-821-00	s	ELECT 47 20% 16V
C145	1-107-210-00	s	MICA 22PF 5% 500V
C146	1-107-202-00	s	MICA 10PF 5% 500V
C148	1-131-341-00	s	ELECT 0.1 10% 25V
C150	1-123-622-00	s	ELECT 22 20% 16V
C151	1-123-622-00	s	ELECT 22 20% 16V
C152	1-123-622-00	s	ELECT 22 20% 16V
C153	1-123-622-00	s	ELECT 22 20% 16V
C154	1-107-210-00	s	MICA 22PF 5% 500V
C157	1-107-202-00	s	MICA 10PF 5% 500V
C158	1-123-821-00	s	ELECT 47 20% 16V
C160	1-127-447-00	s	ELECT 0.1 10% 25V
C161	1-127-447-00	s	ELECT 0.1 10% 25V
C200	1-107-202-00	s	MICA 10PF 5% 500V
C201	1-107-157-00	s	MICA 27PF 5% 500V
C202	1-107-157-00	s	MICA 27PF 5% 500V
C203	1-107-157-00	s	MICA 27PF 5% 500V
C206	1-124-478-11	s	ELECT 100 20% 25V
C207	1-124-118-11	s	ELECT 220 20% 16V
C208	1-107-043-00	s	MICA 2.7PF 500V
C257	1-107-209-00	s	MICA 20PF 5% 500V
C258	1-123-821-00	s	ELECT 47 20% 16V
CV1	1-141-240-00	s	TRIMMER 20PF
D1	8-719-162-07	s	RD6.2E-B
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
D5	8-719-911-19	s	1SS119
D6	8-719-911-19	s	1SS119
D7	8-719-911-19	s	1SS119
D8	8-719-162-07	s	RD6.2E-B
D9	8-719-911-19	s	1SS119
D10	8-719-100-27	s	RD4.7E-B2
D11	8-719-100-27	s	RD4.7E-B2
D12	8-719-911-19	s	1SS119
D13	8-719-156-07	s	RD5.6E-B
D14	8-719-911-19	s	1SS119
D15	8-719-911-19	s	1SS119
D16	8-719-911-19	s	1SS119
D17	8-719-168-07	s	RD6.8E-B
D20	8-719-911-19	s	1SS119
D22	8-719-911-19	s	1SS119
D23	8-719-911-19	s	1SS119
D24	8-719-911-19	s	1SS119
D25	8-719-911-19	s	1SS119

Ref.No.	Parts No.	SP	Description
DL1	1-415-348-00	s	140ns
DL2	1-415-348-00	s	140ns
DL3	1-415-348-00	s	140ns
DL4	1-415-348-00	s	140ns
DL5	1-415-265-00	s	63.5us x2
IC1	8-759-906-07	s	TL607CP(TI)
IC2	8-759-015-95	s	MC1595L(MOTOROLA)
IC3	8-759-990-84	s	TL084CN(TI)
IC4	8-759-990-84	s	TL084CN(TI)
IC5	8-759-906-07	s	TL607CP(TI)
IC6	8-759-902-21	s	SN74LS221N(TI)
IC7	8-759-902-21	s	SN74LS221N(TI)
IC8	8-759-902-21	s	SN74LS221N(TI)
IC9	8-759-900-74	s	SN74LS74AN(TI)
IC10	8-759-990-82	s	TL082CP(TI)
IC11	8-759-907-92	s	uA796HCA(FSC)
IC12	8-759-907-34	s	uA733HC(FSC)
IC13	8-759-907-34	s	uA733HC(FSC)
IC14	8-759-990-62	s	TL062CP(TI)
IC15	8-752-201-30	s	CX22013(SONY)
IC16	8-759-906-01	s	TL601CP(TI)
IC17	8-749-936-51	s	BX365A(SONY)
IC18	8-751-330-00	s	CX133A(SONY)
IC19	8-749-936-51	s	BX365A(SONY)
IC20	8-759-700-14	s	NJM78M09A(JRC)
IC21	8-759-700-23	s	NJM79M09A(JRC)
L10	1-407-507-00	s	MICRO 18mH
L31	1-459-155-00	s	45
L32	1-459-155-00	s	45
Q1	8-729-612-77	s	2SA1027R
Q2	8-729-612-77	s	2SA1027R
Q3	8-724-375-01	s	2SC403C
Q4	8-724-375-01	s	2SC403C
Q5	8-724-375-01	s	2SC403C
Q6	8-724-375-01	s	2SC403C
Q7	8-729-612-77	s	2SA1027R
Q8	8-729-201-05	s	2SC2878-B
Q9	8-729-201-05	s	2SC2878-B
Q10	8-724-375-01	s	2SC403C
Q11	8-729-112-06	s	2SA1206
Q12	8-724-375-01	s	2SC403C
Q13	8-729-112-06	s	2SA1206
Q14	8-724-375-01	s	2SC403C
Q15	8-724-375-01	s	2SC403C
Q16	8-729-612-77	s	2SA1027R
Q17	8-729-612-77	s	2SA1027R
Q18	8-729-112-06	s	2SA1206
Q19	8-729-112-06	s	2SA1206
Q20	8-724-375-01	s	2SC403C
Q21	8-724-375-01	s	2SC403C
Q22	8-729-612-77	s	2SA1027R
Q23	8-729-612-77	s	2SA1027R
Q24	8-729-178-73	s	2SC2787
Q25	8-729-178-73	s	2SC2787

Ref.No.	Parts No.	SP	Description
Q26	8-729-110-53	s	2SA1005
Q27	8-729-178-73	s	2SC2787
Q28	8-729-110-53	s	2SA1005
Q29	8-769-193-09	s	2SK43-3
Q30	8-729-266-93	s	2SC2669
Q31	8-729-266-93	s	2SC2669
Q32	8-724-375-01	s	2SC403C
Q33	8-729-178-73	s	2SC2787
Q34	8-729-178-73	s	2SC2787
Q35	8-729-178-73	s	2SC2787
Q36	8-729-110-53	s	2SA1005
Q37	8-729-178-73	s	2SC2787
Q38	8-729-110-53	s	2SA1005
Q39	8-729-900-75	s	J175
Q40	8-729-266-93	s	2SC2669
Q41	8-729-266-93	s	2SC2669
Q42	8-724-375-01	s	2SC403C
Q43	8-729-201-05	s	2SC2878-B
Q44	8-729-201-05	s	2SC2878-B
Q45	8-729-201-05	s	2SC2878-B
Q46	8-729-900-75	s	J175
Q47	8-729-900-75	s	J175
Q48	8-729-900-75	s	J175
Q49	8-729-364-12	s	2SC641K
Q50	8-724-375-01	s	2SC403C
Q51	8-724-375-01	s	2SC403C
Q52	8-724-375-01	s	2SC403C
Q53	8-724-375-01	s	2SC403C
Q54	8-724-375-01	s	2SC403C
Q55	8-724-375-01	s	2SC403C
Q56	8-724-375-01	s	2SC403C
Q57	8-724-375-01	s	2SC403C
Q58	8-724-375-01	s	2SC403C
Q59	8-724-375-01	s	2SC403C
Q60	8-724-375-01	s	2SC403C
Q61	8-724-375-01	s	2SC403C
Q62	8-724-375-01	s	2SC403C
Q63	8-724-375-01	s	2SC403C
Q64	8-724-375-01	s	2SC403C
Q65	8-724-375-01	s	2SC403C
Q66	8-724-375-01	s	2SC403C
Q67	8-724-375-01	s	2SC403C
Q68	8-724-375-01	s	2SC403C
Q69	8-724-375-01	s	2SC403C
Q70	8-724-375-01	s	2SC403C
Q71	8-724-375-01	s	2SC403C
Q72	8-724-375-01	s	2SC403C
Q73	8-724-375-01	s	2SC403C
Q74	8-724-375-01	s	2SC403C
Q75	8-724-375-01	s	2SC403C
Q76	8-724-375-01	s	2SC403C
Q77	8-724-375-01	s	2SC403C
Q78	8-724-375-01	s	2SC403C
Q79	8-724-375-01	s	2SC403C
Q80	8-729-612-77	s	2SA1027R

Ref.No.	Parts No.	SP	Description
Q81	8-724-375-01	s	2SC403C
Q82	8-724-375-01	s	2SC403C
Q83	8-724-375-01	s	2SC403C
Q84	8-724-375-01	s	2SC403C
Q85	8-724-375-01	s	2SC403C
Q184	8-724-375-01	s	2SC403C
Q185	8-724-375-01	s	2SC403C
RV1	1-228-294-00	s	VAR,CERMET 10K
RV2	1-228-295-00	s	VAR,CERMET 20K
RV3	1-228-294-00	s	VAR,CERMET 10K
RV4	1-228-292-00	s	VAR,CERMET 2K
RV5	1-228-293-00	s	VAR,CERMET 5K
RV6	1-228-293-00	s	VAR,CERMET 5K
RV7	1-228-291-00	s	VAR,CERMET 1K
RV8	1-228-291-00	s	VAR,CERMET 1K
RV9	1-228-291-00	s	VAR,CERMET 1k
RV10	1-228-290-00	s	VAR,CERMET 500
RV11	1-228-291-00	s	VAR,CERMET 1K
RV12	1-228-292-00	s	VAR,CERMET 2K
RV13	1-228-290-00	s	VAR,CERMET 500
RV14	1-228-291-00	s	VAR,CERMET 1K
RV114	1-228-291-00	s	VAR,CERMET 1K
S1	1-554-076-00	s	SLIDE
T1	1-425-785-21	s	BAT
TH1	1-806-702-00	s	POSITIVE 2700
TH2	1-806-702-00	s	POSITIVE 2700
X1	1-527-861-21	s	30MHz
X2	1-527-376-00	s	3.579545MHz

Ref.No.	Parts No.	SP	Description
DEC-8 BOARD			
	A-6711-493-A	o	MOUNTED CIRCUIT BOARD,DEC-8
C8	1-161-464-00	s	CERAMIC 270PF 5% 50V
C9	1-107-206-00	s	MICA 15PF 5% 500V
C11	1-107-202-00	s	MICA 10PF 5% 500V
C14	1-124-445-00	s	ELECT 100 20% 16V
C15	1-102-110-00	s	CERAMIC 220PF 10% 50V
C24	1-161-464-00	s	CERAMIC 270PF 5% 50V
C25	1-107-206-00	s	MICA 15PF 5% 500V
C27	1-107-202-00	s	MICA 10PF 5% 500V
C30	1-124-445-00	s	ELECT 100 20% 16V
C31	1-102-110-00	s	CERAMIC 220PF 10% 50V
C34	1-102-114-00	s	CERAMIC 470PF 10% 50V
C44	1-107-209-00	s	MICA 20PF 5% 500V
C46	1-107-209-00	s	MICA 20PF 5% 500V
C50	1-124-445-00	s	ELECT 100 20% 16V
C51	1-124-445-00	s	ELECT 100 20% 16V
C211	1-107-209-00	s	MICA 20PF 5% 500V
C513	1-124-445-00	s	ELECT 100 20% 16V
C517	1-124-445-00	s	ELECT 100 20% 16V
C602	1-124-475-00	s	ELECT 470 20% 16V
C604	1-124-475-00	s	ELECT 470 20% 16V
C606	1-124-472-00	s	ELECT 470 20% 10V
C608	1-124-472-00	s	ELECT 470 20% 10V
C801	1-107-202-00	s	MICA 10PF 5% 500V
C802	1-107-204-00	s	MICA 12PF 5% 500V
C803	1-124-470-00	s	ELECT 470 20% 6.3V
C805	1-124-445-00	s	ELECT 100 20% 16V
C807	1-124-445-00	s	ELECT 100 20% 16V
C808	1-124-445-00	s	ELECT 100 20% 16V
D202	8-719-911-19	s	1SS119
DL1	1-415-184-21	s	200ns
DL3	1-415-168-00	s	20ns x10
IC1	8-759-907-93	s	uA796HC-B(FSC)
IC2	8-759-907-93	s	uA796HC-B(FSC)
IC3	8-759-240-53	s	TC4053BP(TOSHIBA)
IC4	8-749-936-51	s	BX365A(SONY)
IC5	8-749-936-51	s	BX365A(SONY)
IC6	8-759-990-82	s	TL082CP(TI)
IC7	8-759-240-53	s	TC4053BP(TOSHIBA)
IC8	8-759-990-82	s	TL082CP(TI)
IC9	8-759-131-11	s	uPC311C(NEC)
IC10	8-759-990-84	s	TL084CN(TI)
IC11	8-759-901-63	s	SN74LS163AN(TI)
IC12	8-759-301-24	s	HD10124(HITACHI)
IC13	8-759-301-31	s	HD10131(HITACHI)
IC14	8-759-001-13	s	MC10113L(MOTOROLA)
IC201	8-759-990-82	s	TL082CP(TI)

Ref.No.	Parts No.	SP	Description
IC203	8-759-902-21	s	SN74LS221N(TI)
IC204	8-759-902-21	s	SN74LS221N(TI)
IC206	8-759-131-11	s	uPC311C(NEC)
IC207	8-759-902-21	s	SN74LS221N(TI)
IC208	8-759-240-13	s	TC4013BP(TOSHIBA)
IC209	8-759-220-00	s	TC40H000P(TOSHIBA)
IC301	8-759-902-21	s	SN74LS221N(TI)
IC302	8-759-900-69	s	SN74ALS74N(TI)
IC303	8-759-901-64	s	SN74LS164N(TI)
	*8-759-902-21	s	SN74LS221N(TI)
IC304	8-759-901-64	s	SN74LS164N(TI)
	*8-759-900-69	s	SN74ALS74N(TI)
IC305	8-759-902-21	s	SN74LS221N(TI)
	*8-759-900-69	s	SN74ALS74N(TI)
IC306	8-759-900-69	s	SN74ALS74N(TI)
	*8-759-902-21	s	SN74LS221N(TI)
IC307	8-759-240-11	s	TC4011BP(TOSHIBA)
IC308	8-759-907-60	s	uA760HC(FSC)
IC309	*8-759-902-21	s	SN74LS221N(TI)
IC801	8-749-936-51	s	BX365A(SONY)
	*--(FOR UC:UP TO S/N 10245 J:UP TO S/N 10195)		
JP1	1-560-733-00	s	PIN,SHORT
JS1	1-561-832-00	s	SOCKET,SHORT
Q1	8-729-603-50	s	2SC403SP
Q2	8-729-603-50	s	2SC403SP
Q3	8-729-603-50	s	2SC403SP
Q4	8-729-603-50	s	2SC403SP
Q5	8-729-612-77	s	2SA1027R
Q6	8-729-201-04	s	2SC2878
Q7	8-729-603-50	s	2SC403SP
Q8	8-729-603-50	s	2SC403SP
Q9	8-729-603-50	s	2SC403SP
Q10	8-729-612-77	s	2SA1027R
Q11	8-729-201-04	s	2SC2878
Q21	8-729-603-50	s	2SC403SP
Q22	8-729-603-50	s	2SC403SP
Q23	8-729-603-50	s	2SC403SP
Q24	8-729-603-50	s	2SC403SP
Q202	8-729-364-12	s	2SC641K
Q801	8-729-612-77	s	2SA1027R
Q802	8-729-603-50	s	2SC403SP
Q803	8-729-612-77	s	2SA1027R
Q804	8-729-603-50	s	2SC403SP
Q805	8-729-612-77	s	2SA1027R
RV1	1-228-293-00	s	VAR,CERMET 5K
RV2	1-228-293-00	s	VAR,CERMET 5K
RV3	1-228-293-00	s	VAR,CERMET 5K
RV4	1-228-293-00	s	VAR,CERMET 5K
RV5	1-228-293-00	s	VAR,CERMET 5K
RV6	1-228-292-00	s	VAR,CERMET 2K
RV7	1-228-292-00	s	VAR,CERMET 2K
RV8	1-228-292-00	s	VAR,CERMET 2K
RV9	1-228-292-00	s	VAR,CERMET 2K
RV151	1-228-293-00	s	VAR,CERMET 5K

Ref.No.	Parts No.	SP	Description
RV171	1-228-293-00	s	VAR,CERMET 5K
RV201	1-228-293-00	s	VAR,CERMET 5K
RV202	1-228-293-00	s	VAR,CERMET 5K
RV301	*1-228-293-00	s	VAR,CERMET 5K
RV302	1-228-307-00	s	VAR,CERMET 5K
RV303	*1-228-293-00	s	VAR,CERMET 5K
RV304	1-228-294-00	s	VAR,CERMET 10K
RV305	1-228-294-00	s	VAR,CERMET 10K
RV801	1-228-291-00	s	VAR,CERMET 1K
RV802	1-228-290-00	s	VAR,CERMET 500
	*--(FOR UC:UP TO S/N 10245 J:UP TO S/N 10195)		
TH16	1-800-202-XX	s	S-10K
TH32	1-800-202-XX	s	S-10K
X1	1-527-478-00	s	VCO,910FH

Ref.No.	Parts No.	SP	Description
DR-21 BOARD			
	A-6717-342-A	o	MOUNTED CIRCUIT BOARD,DR-21
C4	1-102-106-00	s	CERAMIC 100PF 10% 50V
C50	1-102-114-00	s	CERAMIC 470PF 10% 50V
C74	1-131-344-00	s	ELECT 0.33 10% 25V
C75	1-131-341-00	s	ELECT 0.1 10% 25V
C77	1-131-344-00	s	ELECT 0.33 10% 25V
C80	1-131-344-00	s	ELECT 0.33 10% 25V
C209	1-102-112-00	s	CERAMIC 330PF 10% 50V
C224	1-101-004-00	s	CERAMIC 0.01 50V
C225	1-101-004-00	s	CERAMIC 0.01 50V
C226	1-101-004-00	s	CERAMIC 0.01 50V
C227	1-101-004-00	s	CERAMIC 0.01 50V
C228	1-101-004-00	s	CERAMIC 0.01 50V
C265	1-131-342-00	s	ELECT 0.15 10% 25V
C266	1-131-342-00	s	ELECT 0.15 10% 25V
C281	1-129-703-00	s	FILM 0.0012 10% 630V
CP1	1-464-139-00	s	BIAS
D1	8-719-911-19	s	1SS119
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
D5	8-719-911-19	s	1SS119
D6	8-719-911-19	s	1SS119
D7	8-719-911-19	s	1SS119
D8	8-719-911-19	s	1SS119
D9	8-719-911-19	s	1SS119
D10	8-719-911-19	s	1SS119
D11	8-719-911-19	s	1SS119
D12	8-719-911-19	s	1SS119
D13	8-719-911-19	s	1SS119
D14	8-719-168-07	s	RD6.8E-B
D207	8-719-911-19	s	1SS119
D208	8-719-911-19	s	1SS119
D209	8-719-911-19	s	1SS119
D210	8-719-911-19	s	1SS119
D211	8-719-200-02	s	10E-2
D212	8-719-200-02	s	10E-2
D213	8-719-200-02	s	10E-2
D214	8-719-200-02	s	10E-2
D215	8-719-911-19	s	1SS119
D216	8-719-911-19	s	1SS119
D217	8-719-911-19	s	1SS119
D218	8-719-200-02	s	10E-2
D219	8-719-200-02	s	10E-2
D220	8-719-200-02	s	10E-2
D221	8-719-200-02	s	10E-2
D222	8-719-911-19	s	1SS119
D223	8-719-911-19	s	1SS119
D224	8-719-911-19	s	1SS119
D225	8-719-911-19	s	1SS119
D226	8-719-911-19	s	1SS119
D227	8-719-136-07	s	RD3.6E-B

Ref.No.	Parts No.	SP	Description
IC1	8-759-729-03	s	NJM2903D(JRC)
IC2	8-759-745-56	s	NJM4556D(JRC)
IC3	8-759-729-03	s	NJM2903D(JRC)
IC4	8-750-000-74	s	CX20061(SONY)
IC5	8-750-000-74	s	CX20061(SONY)
IC6	8-759-345-38	s	HD14538BP(HITACHI)
IC7	8-750-000-74	s	CX20061(SONY)
IC8	8-750-000-74	s	CX20061(SONY)
IC9	8-759-729-03	s	NJM2903D(JRC)
IC10	8-750-000-74	s	CX20061(SONY)
IC11	8-750-000-74	s	CX20061(SONY)
IC12	8-759-700-62	s	NJM4562D(JRC)
IC13	8-750-000-74	s	CX20061(SONY)
IC14	8-750-000-74	s	CX20061(SONY)
IC15	8-759-345-38	s	HD14538BP(HITACHI)
IC16	8-759-145-57	s	uPC4557C(NEC)
IC17	8-759-240-81	s	TC4081BP(TOSHIBA)
IC18	8-759-145-57	s	uPC4557C(NEC)
IC19	8-759-700-62	s	NJM4562D(JRC)
IC200	8-759-240-71	s	TC4071BP(TOSHIBA)
IC201	8-759-900-37	s	SN74LS37N(TI)
IC202	8-759-645-23	s	M54523P(MITSUBISHI)
IC203	8-759-600-24	s	M54543L(MITSUBISHI)
IC204	8-759-240-01	s	TC4001BP(TOSHIBA)
IC205	8-759-600-61	s	M54529AP(MITSUBISHI)
IC206	8-759-600-24	s	M54543L(MITSUBISHI)
IC207	8-759-240-49	s	TC4049BP(TOSHIBA)
IC208	8-759-600-61	s	M54529AP(MITSUBISHI)
IC209	8-759-940-94	s	MSM4094RS(OKI)
IC210	8-759-240-50	s	TC4050BP(TOSHIBA)
IC211	8-759-600-34	s	M54532P(MITSUBISHI)
IC212	8-759-645-23	s	M54523P(MITSUBISHI)
IC213	8-759-240-49	s	TC4049BP(TOSHIBA)
IC214	8-759-940-94	s	MSM4094RS(OKI)
IC215	8-759-145-84	s	uPD4584BC(NEC)
IC216	8-759-240-21	s	TC4021BP(TOSHIBA)
IC217	8-759-145-84	s	uPD4584BC(NEC)
IC218	8-743-420-00	s	BX342(SONY)
IC219	8-743-430-00	s	BX343(SONY)
IC220	8-743-420-00	s	BX342(SONY)
L1	1-459-155-00	s	45
L2	1-459-155-00	s	45
L201	1-407-496-00	s	MICRO 2.2mH
L202	1-407-510-00	s	MICRO 33mH
L203	1-407-510-00	s	MICRO 33mH
Q1	8-729-201-05	s	2SC2878-B
Q2	8-729-663-47	s	2SC1364
Q3	8-729-663-47	s	2SC1364
Q4	8-729-201-05	s	2SC2878-B
Q5	8-729-201-05	s	2SC2878-B
Q6	8-729-201-05	s	2SC2878-B
Q7	8-729-663-47	s	2SC1364
Q8	8-729-663-47	s	2SC1364
Q9	8-729-663-47	s	2SC1364
Q10	8-729-663-47	s	2SC1364

Ref.No.	Parts No.	SP	Description
Q11	8-729-663-47	s	2SC1364
Q12	8-729-663-47	s	2SC1364
Q13	8-769-162-00	s	2SK153-2
Q14	8-729-612-77	s	2SA1027R
Q15	8-729-663-47	s	2SC1364
Q16	8-729-663-47	s	2SC1364
Q17	8-729-663-47	s	2SC1364
Q18	8-729-663-47	s	2SC1364
Q19	8-729-663-47	s	2SC1364
Q213	8-729-374-02	s	2SB740
Q214	8-729-201-05	s	2SC2878-B
Q215	8-729-663-47	s	2SC1364
Q216	8-729-663-47	s	2SC1364
Q217	8-729-117-54	s	2SA1175
R68	1-212-717-00	s	METAL 430K 1% 1/2W
RV1	1-228-292-00	s	VAR,CERMET 2K
RV2	1-228-292-00	s	VAR,CERMET 2K
RV3	1-228-292-00	s	VAR,CERMET 2K
RV4	1-228-291-00	s	VAR,CERMET 1K
RV201	1-228-298-00	s	VAR,CERMET 200K
RV202	1-228-298-00	s	VAR,CERMET 200K
RV203	1-228-288-00	s	VAR,CERMET 100

DU-53 BOARD

	A-6715-211-A	o	MOUNTED CIRCUIT BOARD,DU-53
IC1	8-759-145-58	s	uPC4558C(NEC)
IC2	8-759-145-58	s	uPC4558C(NEC)

Ref.No.	Parts No.	SP	Description

EN-21 BOARD

	A-6711-488-A	o	MOUNTED CIRCUIT BOARD,EN-21
C6	1-123-616-00	s	ELECT 4.7 20% 25V
C7	1-123-616-00	s	ELECT 4.7 20% 25V
C11	1-123-617-00	s	ELECT 10 20% 16V
C12	1-123-821-00	s	ELECT 47 20% 16V
C14	1-107-159-00	s	MICA 33PF 5% 500V
C16	1-107-157-00	s	MICA 27PF 5% 500V
C18	1-107-157-00	s	MICA 27PF 5% 500V
C26	1-123-616-00	s	ELECT 4.7 20% 25V
C30	1-123-617-00	s	ELECT 10 20% 16V
C31	1-123-617-00	s	ELECT 10 20% 16V
C34	1-123-617-00	s	ELECT 10 20% 16V
C36	1-123-821-00	s	ELECT 47 20% 16V
C37	1-124-119-00	s	ELECT 330 20% 16V
C40	1-123-821-00	s	ELECT 47 20% 16V
C41	1-123-617-00	s	ELECT 10 20% 16V
C42	1-107-211-00	s	MICA 24PF 5% 500V
C43	1-107-211-00	s	MICA 24PF 5% 500V
C45	1-123-617-00	s	ELECT 10 20% 16V
C46	1-123-616-00	s	ELECT 4.7 20% 25V
C47	1-107-211-00	s	MICA 24PF 5% 500V
C48	1-107-211-00	s	MICA 24PF 5% 500V
C50	1-123-617-00	s	ELECT 10 20% 16V
C52	1-123-821-00	s	ELECT 47 20% 16V
C53	1-123-822-00	s	ELECT 47 20% 10V
C54	1-123-822-00	s	ELECT 47 20% 10V
C55	1-123-617-00	s	ELECT 10 20% 16V
C59	1-123-617-00	s	ELECT 10 20% 16V
C67	1-123-821-00	s	ELECT 47 20% 16V
C69	1-123-821-00	s	ELECT 47 20% 16V
C72	1-123-617-00	s	ELECT 10 20% 16V
C73	1-123-822-00	s	ELECT 47 20% 10V
C76	1-123-821-00	s	ELECT 47 20% 16V
C78	1-123-821-00	s	ELECT 47 20% 16V
C79	1-123-821-00	s	ELECT 47 20% 16V
C81	1-123-821-00	s	ELECT 47 20% 16V
C83	1-123-821-00	s	ELECT 47 20% 16V
C85	1-123-822-00	s	ELECT 47 20% 10V
C89	1-123-821-00	s	ELECT 47 20% 16V
C92	1-123-821-00	s	ELECT 47 20% 16V
C94	1-123-821-00	s	ELECT 47 20% 16V
C95	1-123-822-00	s	ELECT 47 20% 10V
C96	1-123-822-00	s	ELECT 47 20% 10V
C97	1-123-822-00	s	ELECT 47 20% 10V
C98	1-123-822-00	s	ELECT 47 20% 10V
C99	1-123-822-00	s	ELECT 47 20% 10V
C100	1-123-822-00	s	ELECT 47 20% 10V
C101	1-123-617-00	s	ELECT 10 20% 16V
C102	1-123-821-00	s	ELECT 47 20% 16V
C105	1-123-821-00	s	ELECT 47 20% 16V
C107	1-123-821-00	s	ELECT 47 20% 16V
C109	1-123-821-00	s	ELECT 47 20% 16V
C111	1-123-616-00	s	ELECT 4.7 20% 25V
C116	1-123-617-00	s	ELECT 10 20% 16V
C117	1-123-821-00	s	ELECT 47 20% 16V

Ref.No.	Parts No.	SP	Description
C119	1-107-159-00	s	MICA 33PF 5% 500V
C120	1-123-622-00	s	ELECT 22 20% 16V
C121	1-123-617-00	s	ELECT 10 20% 16V
C130	1-107-158-00	s	MICA 30PF 5% 500V
C160	1-123-616-00	s	ELECT 4.7 20% 25V
C201	1-123-622-00	s	ELECT 22 20% 16V
C203	1-123-622-00	s	ELECT 22 20% 16V
C206	1-123-617-00	s	ELECT 10 20% 16V
C207	1-123-617-00	s	ELECT 10 20% 16V
C208	1-123-821-00	s	ELECT 47 20% 16V
C210	1-107-159-00	s	MICA 33PF 5% 500V
C212	1-123-821-00	s	ELECT 47 20% 16V
C214	1-107-209-00	s	MICA 20PF 5% 500V
C217	1-123-821-00	s	ELECT 47 20% 16V
C219	1-123-821-00	s	ELECT 47 20% 16V
C224	1-107-210-00	s	MICA 22PF 5% 500V
C228	1-123-622-00	s	ELECT 22 20% 16V
C230	1-123-622-00	s	ELECT 22 20% 16V
C233	1-123-617-00	s	ELECT 10 20% 16V
C234	1-123-617-00	s	ELECT 10 20% 16V
C235	1-123-821-00	s	ELECT 47 20% 16V
C237	1-123-821-00	s	ELECT 47 20% 16V
C239	1-107-159-00	s	MICA 33PF 5% 500V
C241	1-107-209-00	s	MICA 20PF 5% 500V
C244	1-123-821-00	s	ELECT 47 20% 16V
C246	1-123-821-00	s	ELECT 47 20% 16V
C247	1-108-555-00	s	MYLAR 0.001 5% 50V
C249	1-123-821-00	s	ELECT 47 20% 16V
C251	1-123-821-00	s	ELECT 47 20% 16V
C254	1-108-555-00	s	MYLAR 0.001 5% 50V
C280	1-131-403-00	s	TANTALUM 0.15 20% 16V
C401	1-107-159-00	s	MICA 33PF 5% 500V
C402	1-123-821-00	s	ELECT 47 20% 16V
C405	1-123-821-00	s	ELECT 47 20% 16V
C409	1-123-821-00	s	ELECT 47 20% 16V
C412	1-123-821-00	s	ELECT 47 20% 16V
C417	1-123-821-00	s	ELECT 47 20% 16V
C420	1-123-821-00	s	ELECT 47 20% 16V
C421	1-107-204-00	s	MICA 12PF 5% 500V
C422	1-123-821-00	s	ELECT 47 20% 16V
C423	1-123-821-00	s	ELECT 47 20% 16V
C427	1-107-202-00	s	MICA 10PF 5% 500V
C428	1-123-821-00	s	ELECT 47 20% 16V
C431	1-123-821-00	s	ELECT 47 20% 16V
C434	1-123-821-00	s	ELECT 47 20% 16V
C438	1-123-821-00	s	ELECT 47 20% 16V
C440	1-123-821-00	s	ELECT 47 20% 16V
C441	1-123-821-00	s	ELECT 47 20% 16V
C444	1-123-821-00	s	ELECT 47 20% 16V
C450	1-123-821-00	s	ELECT 47 20% 16V
C451	1-123-821-00	s	ELECT 47 20% 16V
C501	1-123-821-00	s	ELECT 47 20% 16V
C503	1-123-821-00	s	ELECT 47 20% 16V
C509	1-123-821-00	s	ELECT 47 20% 16V
C511	1-123-821-00	s	ELECT 47 20% 16V

Ref.No.	Parts No.	SP	Description
C513	1-124-472-11	s	ELECT 470 20% 10V
C514	1-123-821-00	s	ELECT 47 20% 16V
C517	1-123-821-00	s	ELECT 47 20% 16V
C518	1-107-207-00	s	MICA 16PF 5% 500V
C521	1-123-821-00	s	ELECT 47 20% 16V
C522	1-123-821-00	s	ELECT 47 20% 16V
C524	1-107-209-00	s	MICA 20PF 5% 500V
C527	1-123-821-00	s	ELECT 47 20% 16V
C530	1-123-821-00	s	ELECT 47 20% 16V
C608	1-123-822-00	s	ELECT 47 20% 10V
C609	1-123-821-00	s	ELECT 47 20% 16V
C610	1-123-821-00	s	ELECT 47 20% 16V
C613	1-123-821-00	s	ELECT 47 20% 16V
C614	1-123-821-00	s	ELECT 47 20% 16V
C630	1-123-821-00	s	ELECT 47 20% 16V
C634	1-123-821-00	s	ELECT 47 20% 16V
C635	1-107-207-00	s	MICA 16PF 5% 500V
C701	1-123-622-00	s	ELECT 22 20% 16V
C703	1-123-622-00	s	ELECT 22 20% 16V
C706	1-123-617-00	s	ELECT 10 20% 16V
C707	1-123-617-00	s	ELECT 10 20% 16V
C708	1-123-821-00	s	ELECT 47 20% 16V
C710	1-107-159-00	s	MICA 33PF 5% 500V
C712	1-123-821-00	s	ELECT 47 20% 16V
C728	1-123-622-00	s	ELECT 22 20% 16V
C730	1-123-622-00	s	ELECT 22 20% 16V
C733	1-123-617-00	s	ELECT 10 20% 16V
C734	1-123-617-00	s	ELECT 10 20% 16V
C735	1-123-821-00	s	ELECT 47 20% 16V
C737	1-123-821-00	s	ELECT 47 20% 16V
C739	1-107-159-00	s	MICA 33PF 5% 500V
C747	1-108-555-00	s	MYLAR 0.001 5% 50V
C749	1-123-821-00	s	ELECT 47 20% 16V
C801	1-130-476-00	s	FILM 0.0027 5% 50V
C802	1-130-476-00	s	FILM 0.0027 5% 50V
C805	1-107-158-00	s	MICA 30PF 5% 500V
C807	1-102-116-00	s	CERAMIC 680PF 10% 50V
C808	1-102-116-00	s	CERAMIC 680PF 10% 50V
C1001	1-123-821-00	s	ELECT 47 20% 16V
C1011	1-123-821-00	s	ELECT 47 20% 16V
C1012	1-107-211-00	s	MICA 24PF 5% 500V
C1013	1-107-211-00	s	MICA 24PF 5% 500V
C1017	1-123-821-00	s	ELECT 47 20% 16V
C1019	1-123-821-00	s	ELECT 47 20% 16V
CV601	1-141-240-00	s	TRIMMER 20PF
D1	8-719-143-07	s	RD4.3E-B
D2	8-719-143-07	s	RD4.3E-B
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
D10	8-719-911-19	s	1SS119
D11	8-719-911-19	s	1SS119
D105	8-719-709-25	s	1S1925-P
D201	8-719-162-07	s	RD6.2E-B
D202	8-719-162-07	s	RD6.2E-B
D203	8-719-911-19	s	1SS119
D204	8-719-911-19	s	1SS119
D401	8-719-162-07	s	RD6.2E-B
D701	8-719-162-07	s	RD6.2E-B
D702	8-719-162-07	s	RD6.2E-B
D703	8-719-911-19	s	1SS119
D704	8-719-162-07	s	RD6.2E-B
D801	8-719-911-19	s	1SS119
D802	8-719-911-19	s	1SS119

Ref.No.	Parts No.	SP	Description
DL501	1-415-184-00	s	100ns
DL1001	1-415-157-00	s	390ns
FL601	1-231-578-00	s	LPF
IC1	8-759-201-40	s	TL8605P(TOSHIBA)
IC2	8-759-201-40	s	TL8605P(TOSHIBA)
IC3	8-759-708-08	s	NJM78L08A(JRC)
IC4	8-759-906-01	s	TL601CP(TI)
IC5	8-759-240-11	s	TC4011BP(TOSHIBA)
IC201	8-749-936-51	s	BX365A(SONY)
IC202	8-759-926-01	s	TL610CP(TI)
IC203	8-759-145-57	s	uPC4557C(NEC)
IC204	8-759-930-54	s	CA3054(RCA)
IC205	8-759-907-93	s	uA796HC-B(FSC)
IC206	8-749-936-51	s	BX365A(SONY)
IC207	8-759-926-01	s	TL610CP(TI)
IC208	8-759-145-57	s	uPC4557C(NEC)
IC209	8-759-930-54	s	CA3054(RCA)
IC210	8-759-907-93	s	uA796HC-B(FSC)
IC211	8-759-902-21	s	SN74LS221N(TI)
IC212	8-759-951-10	s	SN75110AN(TI)
IC213	8-759-902-21	s	SN74LS221N(TI)
IC214	8-759-240-53	s	TC4053BP(TOSHIBA)
IC215	8-759-145-57	s	uPC4557C(NEC)
IC401	8-759-907-60	s	uA760HC(FSC)
IC402	8-759-900-10	s	SN74LS10N(TI)
IC403	8-749-938-10	s	BX381(SONY)
IC405	8-759-974-06	s	SN7406N(TI)
IC406	8-759-907-60	s	uA760HC(FSC)
IC407	8-759-901-63	s	SN74LS163AN(TI)
IC408	8-759-990-82	s	TL082CP(TI)
IC409	8-759-901-23	s	SN74LS123N(TI)
IC410	8-759-001-24	s	MC10124L(MOTOROLA)
IC411	8-759-301-31	s	HD10131(HITACHI)
IC412	8-759-001-13	s	MC10113L(MOTOROLA)
IC501	8-749-938-80	s	BX388(SONY)
IC502	8-749-936-61	s	BX366A(SONY)
IC503	8-749-936-61	s	BX366A(SONY)
IC504	8-759-220-00	s	TC40H000P(TOSHIBA)
IC505	8-759-974-06	s	SN7406N(TI)
IC506	8-749-936-51	s	BX365A(SONY)
IC507	8-750-000-74	s	CX20061(SONY)
IC605	8-749-936-61	s	BX366A(SONY)
IC607	8-749-936-61	s	BX366A(SONY)
IC609	8-759-906-07	s	TL607CP(TI)
IC610	8-759-906-07	s	TL607CP(TI)
IC613	8-741-105-60	s	BX1056(SONY)
IC614	8-749-938-90	s	BX389(SONY)
IC616	8-759-278-09	s	TA78L009AP(TOSHIBA)
IC701	8-749-936-51	s	BX365A(SONY)
IC702	8-759-926-01	s	TL610CP(TI)
IC703	8-759-145-57	s	uPC4557C(NEC)
IC704	8-759-930-54	s	CA3054(RCA)
IC706	8-749-936-51	s	BX365A(SONY)

Ref.No.	Parts No.	SP	Description
IC707	8-759-926-01	s	TL610CP(TI)
IC708	8-759-145-57	s	uPC4557C(NEC)
IC709	8-759-930-54	s	CA3054(RCA)
IC711	8-759-902-21	s	SN74LS221N(TI)
IC801	8-759-902-21	s	SN74LS221N(TI)
IC802	8-759-902-21	s	SN74LS221N(TI)
IC803	8-759-900-74	s	SN74LS74AN(TI)
IC804	8-759-900-02	s	SN74LS02N(TI)
IC805	8-759-907-60	s	uA760HC(FSC)
IC806	8-759-103-19	s	uPC319C(NEC)
IC807	8-759-900-74	s	SN74LS74AN(TI)
IC808	8-759-900-10	s	SN74LS10N(TI)
L901	1-421-329-00	s	COIL,CHOKE
L902	1-421-329-00	s	COIL,CHOKE
L903	1-421-329-00	s	COIL,CHOKE
L904	1-421-329-00	s	COIL,CHOKE
LV1	1-407-569-00	s	VAR,10
LV501	1-407-574-00	s	VAR,68
Q1	8-724-375-01	s	2SC403C
Q2	8-724-375-01	s	2SC403C
Q3	8-729-110-53	s	2SA1005
Q4	8-729-110-53	s	2SA1005
Q5	8-724-375-01	s	2SC403C
Q6	8-729-602-67	s	2SA1026-7
Q7	8-724-375-01	s	2SC403C
Q8	8-729-602-67	s	2SA1026-7
Q9	8-724-375-01	s	2SC403C
Q10	8-724-375-01	s	2SC403C
Q11	8-729-602-67	s	2SA1026-7
Q12	8-724-375-01	s	2SC403C
Q13	8-729-602-67	s	2SA1026-7
Q14	8-724-375-01	s	2SC403C
Q15	8-729-602-67	s	2SA1026-7
Q16	8-724-375-01	s	2SC403C
Q17	8-724-375-01	s	2SC403C
Q18	8-724-375-01	s	2SC403C
Q19	8-729-190-12	s	2SC2901
Q20	8-724-375-01	s	2SC403C
Q21	8-729-190-12	s	2SC2901
Q23	8-729-190-12	s	2SC2901
Q25	8-729-110-53	s	2SA1005
Q27	8-729-110-53	s	2SA1005
Q28	8-729-190-12	s	2SC2901
Q29	8-729-190-12	s	2SC2901
Q30	8-729-190-12	s	2SC2901
Q31	8-724-375-01	s	2SC403C
Q32	8-729-602-67	s	2SA1026-7
Q33	8-729-110-53	s	2SA1005
Q35	8-729-190-12	s	2SC2901
Q37	8-729-190-12	s	2SC2901
Q38	8-729-110-53	s	2SA1005
Q39	8-729-110-53	s	2SA1005
Q40	8-729-110-53	s	2SA1005
Q41	8-729-110-53	s	2SA1005
Q42	8-729-110-53	s	2SA1005
Q43	8-729-110-53	s	2SA1005
Q44	8-729-190-12	s	2SC2901
Q45	8-729-190-12	s	2SC2901

Ref.No.	Parts No.	SP	Description
Q46	8-729-110-53	s	2SA1005
Q47	8-729-190-12	s	2SC2901
Q48	8-729-190-12	s	2SC2901
Q49	8-729-190-12	s	2SC2901
Q50	8-729-110-53	s	2SA1005
Q51	8-729-110-53	s	2SA1005
Q52	8-729-190-12	s	2SC2901
Q53	8-724-375-01	s	2SC403C
Q54	8-729-602-67	s	2SA1026-7
Q55	8-729-602-67	s	2SA1026-7
Q56	8-724-375-01	s	2SC403C
Q101	8-724-375-01	s	2SC403C
Q102	8-729-602-67	s	2SA1026-7
Q201	8-724-375-01	s	2SC403C
Q202	8-724-375-01	s	2SC403C
Q203	8-724-375-01	s	2SC403C
Q204	8-724-375-01	s	2SC403C
Q205	8-729-602-67	s	2SA1026-7
Q206	8-724-375-01	s	2SC403C
Q501	8-724-375-01	s	2SC403C
Q502	8-724-375-01	s	2SC403C
Q503	8-729-384-47	s	2SA844
Q504	8-729-201-05	s	2SC2878-B
Q505	8-729-201-05	s	2SC2878-B
Q506	8-729-201-05	s	2SC2878-B
Q507	8-729-384-47	s	2SA844
Q508	8-724-375-01	s	2SC403C
Q509	8-729-384-47	s	2SA844
Q601	8-729-173-37	s	2SA733-P
Q602	8-729-173-37	s	2SA733-P
Q605	8-724-375-01	s	2SC403C
Q701	8-724-375-01	s	2SC403C
Q703	8-724-385-01	s	2SC403C
Q1001	8-724-375-01	s	2SC403C
Q1002	8-724-375-01	s	2SC403C
Q1003	8-724-375-01	s	2SC403C
Q1004	8-724-375-01	s	2SC403C
Q1005	8-729-677-14	s	2SC2771
Q1006	8-724-375-01	s	2SC403C
Q1007	8-724-375-01	s	2SC403C
Q1008	8-724-375-01	s	2SC403C
RV1	1-228-292-00	s	VAR,CERMET 2K
RV2	1-228-294-00	s	VAR,CERMET 10K
RV3	1-228-295-00	s	VAR,CERMET 20K
RV4	1-228-289-00	s	VAR,CERMET 200
RV5	1-228-295-00	s	VAR,CERMET 20K
RV6	1-228-292-00	s	VAR,CERMET 2K
RV7	1-228-295-00	s	VAR,CERMET 20K
RV8	1-228-295-00	s	VAR,CERMET 20K
RV9	1-228-295-00	s	VAR,CERMET 20K
RV12	1-228-295-00	s	VAR,CERMET 20K
RV13	1-228-295-00	s	VAR,CERMET 20K
RV14	1-228-292-00	s	VAR,CERMET 2K
RV16	1-228-293-00	s	VAR,CERMET 5K
RV121	1-228-297-00	s	VAR,CERMET 100K
RV122	1-228-297-00	s	VAR,CERMET 100K

Ref.No.	Parts No.	SP	Description
RV201	1-228-294-00	s	VAR,CERMET 10K
RV202	1-228-294-00	s	VAR,CERMET 10K
RV203	1-228-294-00	s	VAR,CERMET 10K
RV204	1-228-290-00	s	VAR,CERMET 500
RV205	1-228-294-00	s	VAR,CERMET 10K
RV206	1-228-293-00	s	VAR,CERMET 5K
RV207	1-228-293-00	s	VAR,CERMET 5K
RV208	1-228-292-00	s	VAR,CERMET 2K
RV209	1-228-293-00	s	VAR,CERMET 5K
RV210	1-228-293-00	s	VAR,CERMET 5K
RV402	1-228-292-00	s	VAR,CERMET 2K
RV403	1-228-297-00	s	VAR,CERMET 100K
RV501	1-228-291-00	s	VAR,CERMET 1K
RV502	1-228-291-00	s	VAR,CERMET 1K
RV503	1-228-293-00	s	VAR,CERMET 5K
RV504	1-228-291-00	s	VAR,CERMET 1K
RV602	1-228-291-00	s	VAR,CERMET 1K
RV603	1-228-291-00	s	VAR,CERMET 1K
RV607	1-228-289-00	s	VAR,CERMET 200
RV701	1-228-294-00	s	VAR,CERMET 10K
RV703	1-228-294-00	s	VAR,CERMET 10K
RV706	1-228-293-00	s	VAR,CERMET 5K
RV802	1-228-293-00	s	VAR,CERMET 5K
RV804	1-228-293-00	s	VAR,CERMET 5K
S1	1-552-509-00	s	DIP
S401	1-552-509-00	s	DIP
S501	1-552-509-00	s	DIP
S502	1-552-509-00	s	DIP
S801	1-552-509-00	s	DIP
T1001	1-408-145-00	s	19
TH1	1-800-194-11	s	S-90
TH2	1-800-202-XX	s	S-10K
X1	1-567-061-00	s	10.775MHz
X401	1-527-478-00	s	VCO 910FH
X601	1-527-377-00	s	4.267919MHz

Ref.No.	Parts No.	SP	Description
HE-5 BOARD			
	1-608-056-00	o	PRINTED CIRCUIT BOARD,HE-5
HP-11 BOARD			
	1-611-545-00	o	PRINTED CIRCUIT BOARD,HP-11
J1	1-507-553-00	s	JACK "HEADPHONES"
RV1	1-226-140-00	s	VAR,20K/20K "HEADPHONES"
KEY CHASSIS			
	A-6734-202-A	o	KEY CHASSIS ASS'Y WITH KY-45, KY-47, DP-31, PT-9, PC-9 AND PC-14 BOARDS
	1-557-236-11	o	FLAT CABLE,6P "KY-45 TO KY-47"
	1-557-237-11	o	FLAT CABLE,23P "KY-45 TO DP-31"
	DP-31 BOARD		
	1-611-551-00	o	PRINTED CIRCUIT BOARD,DP-31
D1	8-719-803-21	s	LED,7-SEG TLR-321
D2	8-719-803-21	s	LED,7-SEG TLR-321
D3	8-719-803-21	s	LED,7-SEG TLR-321
D4	8-719-803-21	s	LED,7-SEG TLR-321
S25	1-552-539-00	s	KEY "LAP"
S26	1-552-539-00	s	KEY "RESET"
S27	1-552-539-00	s	KEY "PLAYER"
S28	1-552-539-00	s	KEY "RECORDER"
	KY-45 BOARD		
C28	1-102-106-00	s	CERAMIC 100PF 10% 50V
C29	1-102-114-00	s	CERAMIC 470PF 10% 50V
C30	1-102-114-00	s	CERAMIC 470PF 10% 50V
C31	1-102-114-00	s	CERAMIC 470PF 10% 50V
C32	1-102-114-00	s	CERAMIC 470PF 10% 50V
C50	1-102-114-00	s	CERAMIC 470PF 10% 50V
C51	1-102-114-00	s	CERAMIC 470PF 10% 50V
C52	1-102-114-00	s	CERAMIC 470PF 10% 50V
C53	1-102-106-00	s	CERAMIC 100PF 10% 50V
C54	1-102-106-00	s	CERAMIC 100PF 10% 50V
C55	1-102-106-00	s	CERAMIC 100PF 10% 50V
C56	1-102-106-00	s	CERAMIC 100PF 10% 50V

Ref.No.	Parts No.	SP	Description
CN1	1-560-454-00	s	40P
CN4	1-560-538-00	s	6P
D1	8-719-911-19	s	1SS119
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
D5	8-719-911-19	s	1SS119
D6	8-719-911-19	s	1SS119
D7	8-719-911-19	s	1SS119
D8	8-719-911-19	s	1SS119
D9	8-719-911-19	s	1SS119
D10	8-719-911-19	s	1SS119
D11	8-719-911-19	s	1SS119
D12	8-719-911-19	s	1SS119
D13	8-719-911-19	s	1SS119
D14	8-719-911-19	s	1SS119
D15	8-719-911-19	s	1SS119
D16	8-719-911-19	s	1SS119
D17	8-719-911-19	s	1SS119
D18	8-719-911-19	s	1SS119
D19	8-719-911-19	s	1SS119
D20	8-719-911-19	s	1SS119
D21	8-719-911-19	s	1SS119
D22	8-719-911-19	s	1SS119
D23	8-719-911-19	s	1SS119
D24	8-719-911-19	s	1SS119
D25	8-719-911-19	s	1SS119
D26	8-719-911-19	s	1SS119
D27	8-719-911-19	s	1SS119
D28	8-719-911-19	s	1SS119
D29	8-719-911-19	s	1SS119
D30	8-719-911-19	s	1SS119
D31	8-719-911-19	s	1SS119
D32	8-719-911-19	s	1SS119
D33	8-719-911-19	s	1SS119
D34	8-719-911-19	s	1SS119
D35	8-719-911-19	s	1SS119
D36	8-719-911-19	s	1SS119
D37	8-719-911-19	s	1SS119
D38	8-719-911-19	s	1SS119
D39	8-719-911-19	s	1SS119
D40	8-719-911-19	s	1SS119
D41	8-719-911-19	s	1SS119
D42	8-719-911-19	s	1SS119
D43	8-719-904-55	s	LED,GL-5HD5 "PLAYER"
D44	8-719-904-55	s	LED,GL-5HD5 "RECORDER"
D45	8-719-911-19	s	1SS119
D46	8-719-911-19	s	1SS119
D47	8-719-911-19	s	1SS119
D48	8-719-911-19	s	1SS119
D49	8-719-904-55	s	LED,GL-5HD5 "STILL"
D50	8-719-911-19	s	1SS119
D51	8-719-911-19	s	1SS119
D52	8-719-911-19	s	1SS119
D53	8-719-911-19	s	1SS119
D54	8-719-911-19	s	1SS119
D55	8-719-911-19	s	1SS119

Ref.No.	Parts No.	SP	Description
D56	8-719-911-19	s	1SS119
D57	8-719-911-19	s	1SS119
D58	8-719-911-19	s	1SS119
D59	8-719-911-19	s	1SS119
D60	8-719-911-19	s	1SS119
D61	8-719-911-19	s	1SS119
D62	8-719-911-19	s	1SS119
D63	8-719-911-19	s	1SS119
D64	8-719-911-19	s	1SS119
D65	8-719-904-55	s	LED,GL-5HD5 "SHUTTLE"
D66	8-719-904-55	s	LED,GL-5HD5 "JOG"
IC1	8-759-600-61	s	M54529AP(MITSUBISHI)
IC2	8-759-200-50	s	TC40H374P(TOSHIBA)
IC3	8-759-600-61	s	M54529AP(MITSUBISHI)
IC4	8-759-600-61	s	M54529AP(MITSUBISHI)
IC5	8-759-245-16	s	TC4516BP(TOSHIBA)
IC7	8-759-240-50	s	TC4050BP(TOSHIBA)
IC8	8-759-040-70	s	MC14070BCP(MOTOROLA)
IC9	8-759-240-11	s	TC4011BP(TOSHIBA)
IC10	8-759-600-61	s	M54529AP(MITSUBISHI)
IC11	8-759-240-13	s	TC4013BP(TOSHIBA)
IC12	8-759-145-19	s	uPD4519BP(NEC)
IC13	8-759-200-39	s	TC40H240P(TOSHIBA)
IC14	8-759-200-22	s	TC40H138P(TOSHIBA)
IC15	8-759-901-38	s	SN74LS138N(TI)
IC16	8-759-901-38	s	SN74LS138N(TI)
IC17	8-759-600-61	s	M54529AP(MITSUBISHI)
IC18	8-759-045-84	s	MC14584BCP(MOTOROLA)
IC19	8-759-045-84	s	MC14584BCP(MOTOROLA)
IC20	8-759-645-17	s	M54517P(MITSUBISHI)
IC21	8-759-200-43	s	TC40H244P(TOSHIBA)
IC22	8-759-600-61	s	M54529AP(MITSUBISHI)
IC23	8-759-200-50	s	TC40H374P(TOSHIBA)
IC24	8-759-600-61	s	M54529AP(MITSUBISHI)
L1	1-407-490-00	s	MICRO 680
L2	1-407-490-00	s	MICRO 680
PL1	1-518-386-00	s	5V,30mA "SERVO"
PL2	1-518-386-00	s	5V,30mA "REV"
PL3	1-518-386-00	s	5V,30mA "FWD"
Q1	8-729-602-68	s	2SA1026-8
Q2	8-729-602-68	s	2SA1026-8
Q3	8-729-602-68	s	2SA1026-8
Q4	8-729-602-68	s	2SA1026-8
Q5	8-729-602-68	s	2SA1026-8
Q6	8-729-602-68	s	2SA1026-8
Q7	8-729-602-68	s	2SA1026-8
Q8	8-729-602-68	s	2SA1026-8
Q9	8-729-602-68	s	2SA1026-8
Q10	8-729-602-68	s	2SA1026-8
Q11	8-729-602-68	s	2SA1026-8
Q12	8-729-663-47	s	2SC1364
Q13	8-729-602-68	s	2SA1026-8
Q14	8-729-602-68	s	2SA1026-8
Q15	8-729-602-68	s	2SA1026-8

Ref.No.	Parts No.	SP	Description
Q16	8-729-602-68	s	2SA1026-8
Q17	8-729-602-68	s	2SA1026-8
Q18	8-729-103-43	s	2SB734
Q19	8-729-103-43	s	2SB734
Q20	8-729-103-43	s	2SB734
Q21	8-729-103-43	s	2SB734
Q22	8-729-103-43	s	2SB734
Q23	8-729-103-43	s	2SB734
Q24	8-729-103-43	s	2SB734
Q25	8-729-103-43	s	2SB734
Q26	8-729-602-68	s	2SA1026-8
Q27	8-729-602-68	s	2SA1026-8
Q28	8-729-602-68	s	2SA1026-8
Q29	8-729-602-68	s	2SA1026-8
Q30	8-729-602-68	s	2SA1026-8
Q31	8-729-602-68	s	2SA1026-8
Q32	8-729-602-68	s	2SA1026-8
Q33	8-729-602-68	s	2SA1026-8
Q34	8-729-602-68	s	2SA1026-8
Q35	8-729-602-68	s	2SA1026-8
Q36	8-729-602-68	s	2SA1026-8
Q37	8-729-602-68	s	2SA1026-8
Q38	8-729-602-68	s	2SA1026-8
Q39	8-729-602-68	s	2SA1026-8
Q40	8-729-602-68	s	2SA1026-8
Q41	8-729-602-68	s	2SA1026-8
Q42	8-729-602-68	s	2SA1026-8
Q43	8-729-602-68	s	2SA1026-8
Q44	8-729-602-68	s	2SA1026-8
Q45	8-729-602-68	s	2SA1026-8
Q46	8-729-602-68	s	2SA1026-8
Q47	8-729-602-68	s	2SA1026-8
S1	1-554-708-11	s	KEY,9 SQUARE "ASSEMBLE"
S2	1-554-708-11	s	KEY,9 SQUARE "VIDEO INS"
S3	1-554-708-11	s	KEY,9 SQUARE "AUDIO CH1"
S4	1-554-708-11	s	KEY,9 SQUARE "AUDIO CH2"
S5	1-554-708-11	s	KEY,9 SQUARE "TC REC"
S6	1-554-318-11	s	KEY,12 SQUARE "PREVIEW"
	1-518-450-31	s	PILOT LAMP,5V 60mA
	3-706-480-01	s	KEY TOP (WHITE)
S7	1-554-318-21	s	KEY,12 SQUARE "AUTO EDIT"
	1-518-450-31	s	PILOT LAMP,5V 60mA
	3-706-480-12	s	KEY TOP (RED)
S8	1-554-318-11	s	KEY,12 SQUARE "REVIEW"
	1-518-450-31	s	PILOT LAMP,5V 60mA
	3-706-480-01	s	KEY TOP (WHITE)
S9	1-554-318-11	s	KEY,12 SQUARE "IN POINT"
	1-518-450-31	s	PILOT LAMP,5V 60mA
	3-706-480-01	s	KEY TOP (WHITE)
S10	1-554-318-11	s	KEY,12 SQUARE "OUT POINT"
	1-518-450-31	s	PILOT LAMP,5V 60mA
	3-706-480-01	s	KEY TOP (WHITE)
S11	1-554-318-11	s	KEY,12 SQUARE "STANDBY"
	1-518-450-31	s	PILOT LAMP,5V 60mA
	3-706-480-01	s	KEY TOP (WHITE)
S12	1-554-318-11	s	KEY,12 SQUARE "PREROLL"
	1-518-450-31	s	PILOT LAMP,5V 60mA
	3-706-480-01	s	KEY TOP (WHITE)

Ref.No.	Parts No.	SP	Description
S13	1-553-551-21	s	KEY,17 SQUARE "REC"
	1-518-450-21	s	PILOT LAMP,5V 60mA
	3-706-481-11	s	KEY TOP (RED)
S14	1-554-318-11	s	KEY,12 SQUARE "EDIT"
	1-518-450-31	s	PILOT LAMP,5V 60mA
	3-706-480-01	s	KEY TOP (WHITE)
S15	1-554-318-31	s	KEY,12 SQUARE "EJECT"
	1-518-450-31	s	PILOT LAMP,5V 60mA
	3-706-480-22	s	KEY TOP (BLUE)
S16	1-553-551-11	s	KEY,17 SQUARE "REW"
	1-518-450-21	s	PILOT LAMP,5V 60mA
	3-706-481-01	s	KEY TOP (WHITE)
S17	1-553-551-11	s	KEY,17 SQUARE "PLAY"
	1-518-450-21	s	PILOT LAMP,5V 60mA
	3-706-481-01	s	KEY TOP (WHITE)
S18	1-553-551-11	s	KEY,17 SQUARE "FF"
	1-518-450-21	s	PILOT LAMP,5V 60mA
	3-706-481-01	s	KEY TOP (WHITE)
S19	1-553-551-32	s	KEY,17 SQUARE "STOP"
	1-518-450-21	s	PILOT LAMP,5V 60mA
	3-706-481-22	s	KEY TOP (BLUE)
S20	1-554-318-11	s	KEY 12 SQUARE "SEARCH"
	1-518-450-31	s	PILOT LAMP 5V 60mA
	3-706-480-01	s	KEY TOP (WHITE)
S21	1-516-994-00	s	SLIDE "PB/EE"
	KY-47 BOARD		
	1-611-550-00	o	PRINTED CIRCUIT BOARD,KY-47
S22	1-552-539-00	s	KEY "TRIM-"
S23	1-552-539-00	s	KEY "TRIM+"
S24	1-552-539-00	s	KEY "ENTRY"
	PC-9 BOARD		
	1-604-351-00	o	PRINTED CIRCUIT BOARD,PC-9
IC1	8-759-133-90	s	uPC339C(NEC)
IC2	8-719-104-42	s	PS4005-L(NEC)
IC3	8-719-104-42	s	PS4005-L(NEC)
IC4	8-719-104-42	s	PS4005-L(NEC)
	PC-14 BOARD		
	1-604-353-00	o	PRINTED CIRCUIT BOARD,PC-14
IC1	8-719-104-42	s	PS4005-L(NEC)
	PT-9 BOARD		
	1-605-018-00	o	PRINTED CIRCUIT BOARD,PT-9
IC25	8-759-171-05	s	uPC7805H(NEC)

Ref.No.	Parts No.	SP	Description
	LE-19 BOARD		
	1-608-053-00	o	PRINTED CIRCUIT BOARD,LE-19
D1	8-719-103-01	s	LED,SE301A
	LM-4 BOARD		
	1-585-913-00	o	PRINTED CIRCUIT BOARD,LM-4
L1	1-407-696-00	s	MICRO,18 10%
L2	1-407-696-00	s	MICRO,18 10%
	MB-49 BOARD		
	A-6728-920-C	o	MOUNTED CIRCUIT BOARD,MB-49
C101	1-123-299-00	s	ELECT 1000 20% 6.3V
C103	1-123-299-00	s	ELECT 1000 20% 6.3V
CN101	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN102	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN103	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN104	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN105	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN106	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN113	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN114	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN115	1-564-409-11	o	RECEPTACLE,50P
CN116	1-560-191-00	o	RECEPTACLE,40P
CN117	1-560-210-00	o	RECEPTACLE,30P
	1-561-174-00	o	HOUSING,30P
	1-560-768-00	o	CONTACT
	1-560-767-00	o	CONTACT
	1-508-944-00	s	INDEX PIN
CN118	1-564-410-11	s	RECEPTACLE,40P
CN121	1-560-719-00	o	RECEPTACLE,34P
	1-562-420-00	o	HOUSING,34P
	1-560-767-00	o	CONTACT
CN122	1-560-436-00	o	RECEPTACLE,3P
	1-561-218-00	o	HOUSING,3P
	1-561-254-00	o	CONTACT
CN123	1-560-564-00	o	RECEPTACLE,6P
	1-561-219-00	o	HOUSING,6P
	1-561-254-00	o	CONTACT
CN124	1-560-033-00	o	RECEPTACLE,3P
	1-561-218-00	o	HOUSING,3P
	1-561-254-00	o	CONTACT
CN140	1-560-471-00	o	RECEPTACLE,10P
	1-561-589-00	o	HOUSING,10P
	1-561-557-00	o	CONTACT
CN141	1-560-471-00	o	RECEPTACLE,10P
	1-561-589-00	o	HOUSING,10P
	1-561-557-00	o	CONTACT

Ref.No.	Parts No.	SP	Description
CN142	1-560-464-00	o	RECEPTACLE,10P
	1-561-589-00	o	HOUSING,10P
	1-561-557-00	o	CONTACT
CN143	1-560-471-00	o	RECEPTACLE,10P
	1-561-589-00	o	HOUSING,10P
	1-561-557-00	o	CONTACT
CN144	1-560-471-00	o	RECEPTACLE,10P
	1-561-589-00	o	HOUSING,10P
	1-561-557-00	o	CONTACT
CN145	1-560-471-00	o	RECEPTACLE,10P
	1-561-589-00	o	HOUSING,10P
	1-561-557-00	o	CONTACT

MB-50 BOARD

	A-6728-921-C	o	MOUNTED CIRCUIT BOARD,MB-50
CN201	1-561-654-00	o	RECEPTACLE,86P,FEMALE
CN202	1-561-654-00	o	RECEPTACLE,86P,FEMALE
CN203	1-561-654-00	o	RECEPTACLE,86P,FEMALE
CN204	1-561-654-00	o	RECEPTACLE,86P,FEMALE
CN205	1-561-654-00	o	RECEPTACLE,86P,FEMALE
CN206	1-560-192-00	o	RECEPTACLE,50P
CN207	1-560-033-00	o	3P
	1-561-218-00	o	RECEPTACLE,3P
	1-561-254-00	o	CONTACT
CN209	1-560-436-00	o	RECEPTACLE,3P
	1-561-218-00	o	HOUSING,3P
	1-561-245-00	o	CONTACT
CN210	1-560-210-00	o	RECEPTACLE,30P
	1-561-174-00	o	HOUSING,30P
	1-560-768-00	o	CONTACT
	1-560-767-00	o	CONTACT
	1-508-944-00	o	INDEX PIN

MB-52 BOARD

	A-6728-922-A	o	MOUNTED CIRCUIT BOARD,MB-52
CN301	1-561-654-00	o	RECEPTACLE,86P,FEMALE
CN302	1-561-654-00	o	RECEPTACLE,86P,FEMALE
CN303	1-564-409-11	o	RECEPTACLE,50P
CN306	1-560-466-00	o	3P
CN310	1-564-411-11	o	50P

Ref.No.	Parts No.	SP	Description

MB-73 BOARD

	A-6728-923-A	o	MOUNTED CIRCUIT BOARD,MB-73
C106	1-123-299-00	s	ELECT 1000 20% 6.3V
CN107	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN108	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN109	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN110	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN111	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN112	1-560-919-11	o	RECEPTACLE,60P,FEMALE
CN119	1-564-415-11	o	RECEPTACLE,8P
CN120	1-560-564-00	o	RECEPTACLE,6P
	1-561-219-00	o	HOUSING,6P
	1-561-254-00	o	CONTACT
CN130	1-560-436-00	o	RECEPTACLE,3P
	1-561-218-00	o	HOUSING,3P
	1-561-254-00	o	CONTACT
CN135	1-564-414-11	o	RECEPTACLE,6P
CN137	1-560-471-00	o	RECEPTACLE,10P
	1-561-589-00	o	HOUSING,10P
	1-561-557-00	o	CONTACT

MS-12 BOARD

	1-609-094-11	o	PRINTED CIRCUIT BOARD,MS-12
PH1	8-719-104-42	s	PS4005-L

MY-17 BOARD

	A-6711-381-A	o	MOUNTED CIRCUIT BOARD,MY-17
C28	1-107-207-00	s	MICA 16PF 5% 500V
C29	1-107-207-00	s	MICA 16PF 5% 500V
C62	1-102-110-00	s	CERAMIC 220PF 10% 50V
C63	1-102-110-00	s	CERAMIC 220PF 10% 50V
IC1A	8-759-901-64	s	SN74LS164N(TI)
IC1B	8-759-901-64	s	SN74LS164N(TI)
IC1C	8-759-901-64	s	SN74LS164N(TI)
IC1D	8-759-901-66	s	SN74LS166AN(TI)
IC1E	8-759-903-74	s	SN74LS374N(TI)
IC1F	8-759-901-64	s	SN74LS164N(TI)
IC1G	8-759-901-66	s	SN74LS166AN(TI)
IC1H	8-759-901-61	s	SN74LS161AN(TI)
IC1J	8-759-901-61	s	SN74LS161AN(TI)
IC1M	8-759-974-08	s	SN7408N(TI)
IC2A	8-759-903-74	s	SN74LS374N(TI)
IC2B	8-759-903-74	s	SN74LS374N(TI)
IC2C	8-759-901-64	s	SN74LS164N(TI)
IC2D	8-759-910-28	s	MSM5128-12RS(OKI)
IC2E	8-759-901-64	s	SN74LS164N(TI)

Ref.No.	Parts No.	SP	Description
IC2F	8-759-901-66	s	SN74LS166AN(TI)
IC2G	8-759-901-28	s	MSM5128-12RS(OKI)
IC2H	8-759-901-57	s	SN74LS157N(TI)
IC2J	8-759-901-61	s	SN74LS161AN(TI)
IC2K	8-759-901-61	s	SN74LS161AN(TI)
IC2L	8-759-902-21	s	SN74LS221N(TI)
IC2M	8-759-901-64	s	SN74LS164N(TI)
IC2N	8-759-901-64	s	SN74LS164N(TI)
IC3A	8-759-901-66	s	SN74LS166AN(TI)
IC3B	8-759-901-66	s	SN74LS166AN(TI)
IC3C	8-759-901-64	s	SN74LS164N(TI)
IC3E	8-759-901-64	s	SN74LS164N(TI)
IC3F	8-759-903-74	s	SN74LS374N(TI)
IC3H	8-759-901-57	s	SN74LS157N(TI)
IC3J	8-759-901-75	s	SN74LS175N(TI)
IC3K	8-759-901-75	s	SN74LS175N(TI)
IC3L	8-759-901-61	s	SN74LS161AN(TI)
IC3M	8-759-900-74	s	SN74LS74AN(TI)
IC3N	8-759-900-74	s	SN74LS74AN(TI)
IC4A	8-759-901-66	s	SN74LS166AN(TI)
IC4B	8-759-901-66	s	SN74LS166AN(TI)
IC4C	8-759-903-74	s	SN74LS374N(TI)
IC4D	8-759-901-28	s	MSM5128-12RS(OKI)
IC4E	8-759-903-74	s	SN74LS374N(TI)
IC4F	8-759-901-66	s	SN74LS166AN(TI)
IC4G	8-759-901-28	s	MSM5128-12RS(OKI)
IC4H	8-759-901-57	s	SN74LS157N(TI)
IC4J	8-759-901-75	s	SN74LS175N(TI)
IC4K	8-759-901-63	s	SN74LS163AN(TI)
IC4L	8-759-901-51	s	SN74LS151N(TI)
IC4M	8-759-900-30	s	SN74LS30N(TI)
IC4N	8-759-900-74	s	SN74LS74AN(TI)
IC5A	8-759-901-66	s	SN74LS166AN(TI)
IC5B	8-759-901-66	s	SN74LS166AN(TI)
IC5C	8-759-903-74	s	SN74LS374N(TI)
IC5D	8-759-901-28	s	MSM5128-12RS(OKI)
IC5E	8-759-901-64	s	SN74LS164N(TI)
IC5F	8-759-903-74	s	SN74LS374N(TI)
IC5G	8-759-901-28	s	MSM5128-12RS(OKI)
IC5H	8-759-901-57	s	SN74LS157N(TI)
IC5J	8-759-901-63	s	SN74LS163AN(TI)
IC5K	8-759-900-85	s	SN74LS85N(TI)
IC5L	8-759-903-93	s	SN74LS393N(TI)
IC5M	8-759-900-04	s	SN74LS04N(TI)
IC5N	8-759-900-04	s	SN74LS04N(TI)
IC6A	8-759-901-66	s	SN74LS166AN(TI)
IC6B	8-759-901-66	s	SN74LS166AN(TI)
IC6C	8-759-901-64	s	SN74LS164N(TI)
IC6E	8-759-901-64	s	SN74LS164N(TI)
IC6F	8-759-901-64	s	SN74LS164N(TI)
IC6H	8-759-901-61	s	SN74LS161AN(TI)
IC6J	8-759-901-61	s	SN74LS161AN(TI)
IC6K	8-759-901-91	s	SN74LS191N(TI)
IC6L	8-759-900-00	s	SN74LS00N(TI)
IC6M	8-759-900-74	s	SN74LS74AN(TI)
IC6P	8-759-900-00	s	SN74LS00N(TI)
IC7A	8-759-901-66	s	SN74LS166AN(TI)
IC7B	8-759-901-66	s	SN74LS166AN(TI)
IC7C	8-759-901-64	s	SN74LS164N(TI)
IC7D	8-759-901-28	s	MSM5128-12RS(OKI)

Ref.No.	Parts No.	SP	Description
IC7E	8-759-901-66	s	SN74LS166AN(TI)
IC7F	8-759-901-66	s	SN74LS166AN(TI)
IC7G	8-759-901-28	s	MSM5128-12RS(OKI)
IC7H	8-759-901-57	s	SN74LS157N(TI)
IC7J	8-759-901-57	s	SN74LS157N(TI)
IC7K	8-759-901-61	s	SN74LS161AN(TI)
IC7L	8-759-900-08	s	SN74LS08N(TI)
IC7M	8-759-902-21	s	SN74LS221N(TI)
IC7N	8-759-901-23	s	SN74LS123N(TI)
IC7P	8-759-901-64	s	SN74LS164N(TI)
IC8A	8-759-901-66	s	SN74LS166AN(TI)
IC8B	8-759-901-66	s	SN74LS166AN(TI)
IC8C	8-759-903-74	s	SN74LS374N(TI)
IC8E	8-759-903-74	s	SN74LS374N(TI)
IC8F	8-759-901-64	s	SN74LS164N(TI)
IC8H	8-759-901-57	s	SN74LS157N(TI)
IC8J	8-759-901-57	s	SN74LS157N(TI)
IC8K	8-759-901-61	s	SN74LS161AN(TI)
IC8L	8-759-901-91	s	SN74LS191N(TI)
IC8M	8-759-900-00	s	SN74LS00N(TI)
IC8N	8-759-974-04	s	SN7404N(TI)
IC8P	8-759-974-04	s	SN7404N(TI)
IC9A	8-759-901-66	s	SN74LS166AN(TI)
IC9B	8-759-901-66	s	SN74LS166AN(TI)
IC8C	8-759-901-64	s	SN74LS164N(TI)
IC9D	8-759-901-28	s	MSM5128-12RS(OKI)
IC9E	8-759-901-66	s	SN74LS166AN(TI)
IC9F	8-759-901-64	s	SN74LS164N(TI)
IC9G	8-759-901-28	s	MSM5128-12RS(OKI)
IC9H	8-759-901-63	s	SN74LS163AN(TI)
IC9J	8-759-904-96	s	MBM2149L-55(FUJITSU)
IC9K	8-759-901-23	s	SN74LS123N(TI)
IC9L	8-759-901-61	s	SN74LS161AN(TI)
IC9M	8-759-900-04	s	SN74LS04N(TI)
IC9N	8-759-901-61	s	SN74LS161AN(TI)
IC9P	8-759-900-00	s	SN74LS00N(TI)
IC10A	8-759-901-66	s	SN74LS166AN(TI)
IC10B	8-759-901-66	s	SN74LS166AN(TI)
IC10C	8-759-903-74	s	SN74LS374N(TI)
IC10D	8-759-901-28	s	MSM5128-12RS(OKI)
IC10E	8-759-901-66	s	SN74LS166AN(TI)
IC10F	8-759-903-74	s	SN74LS374N(TI)
IC10G	8-759-901-28	s	MSM5128-12RS(OKI)
IC10H	8-759-901-63	s	SN74LS163AN(TI)
IC10J	8-759-904-96	s	MBM2149L-55(FUJITSU)
IC10L	8-759-900-74	s	SN74LS74AN(TI)
IC10M	8-759-914-00	s	SN7400N(TI)
IC10N	8-759-901-61	s	SN74LS161AN(TI)
IC10P	8-759-901-61	s	SN74LS161AN(TI)
IC11A	8-759-901-66	s	SN74LS166AN(TI)
IC11B	8-759-901-66	s	SN74LS166AN(TI)
IC11C	8-759-903-74	s	SN74LS374N(TI)
IC11E	8-759-903-74	s	SN74LS374N(TI)
IC11F	8-759-903-74	s	SN74LS374N(TI)
IC11H	8-759-901-63	s	SN74LS163AN(TI)
IC11J	8-759-903-74	s	SN74LS374N(TI)
IC11K	8-759-900-02	s	SN74LS02N(TI)
IC11L	8-759-903-74	s	SN74LS374N(TI)
IC11M	8-759-903-74	s	SN74LS374N(TI)
IC11N	8-759-900-04	s	SN74LS04N(TI)

Ref.No.	Parts No.	SP	Description
IC12A	8-759-903-74	s	SN74LS374N(TI)
IC12B	8-759-903-74	s	SN74LS374N(TI)
IC12C	8-759-901-64	s	SN74LS164N(TI)
IC12D	8-759-901-28	s	MSM5128-12RS(OKI)
IC12E	8-759-942-73	s	SN74273N(TI)
IC12F	8-759-900-04	s	SN74LS04N(TI)
IC12G	8-759-901-64	s	SN74LS164N(TI)
IC12H	8-759-974-04	s	SN7404N(TI)
IC12J	8-759-900-74	s	SN74LS74AN(TI)
IC12K	8-759-900-04	s	SN74LS04N(TI)
IC12N	8-759-900-04	s	SN74LS04N(TI)
L1	1-421-329-00	s	5.6
RB1	1-231-450-00	s	3.3Kx8
RB2	1-231-450-00	s	3.3Kx8

PC-17 BOARD

	1-608-070-00	o	PRINTED CIRCUIT BOARD,PC-17
PH1	8-719-104-42	s	PS4005-L(NEC)

PC-18 BOARD

	1-608-071-00	o	PRINTED CIRCUIT BOARD,PC-18
PH1	8-719-104-42	s	PS4005-L(NEC)

PD-22 BOARD

	1-611-993-11	o	PRINTED CIRCUIT BOARD,PD-22

PH-16 BOARD

	1-608-054-00	o	PRINTED CIRCUIT BOARD,PH-16
Q1	8-729-206-01	s	PHOTO,TPS601

Ref.No.	Parts No.	SP	Description

PR-48 BOARD

	A-6711-504-A	o	MOUNTED CIRCUIT BOARD,PR-48
C7	1-109-530-00	s	MICA 62PF 5% 100V
C22	1-107-206-00	s	MICA 15PF 5% 500V
C40	1-107-048-00	s	MICA 6.8PF 500V
C62	1-109-530-00	s	MICA 62PF 5% 100V
C74	1-107-206-00	s	MICA 15PF 5% 500V
C85	1-109-535-00	s	MICA 100PF 5% 100V
C94	1-107-048-00	s	MICA 6.8PF 500V
C100	1-109-527-00	s	MICA 47PF 5% 100V
C101	1-109-542-00	s	MICA 220PF 5% 100V
C106	1-109-527-00	s	MICA 47PF 5% 100V
C107	1-109-542-00	s	MICA 220PF 5% 100V
C115	1-109-525-00	s	MICA 39PF 5% 100V
C118	1-107-159-00	s	MICA 33PF 5% 500V
C119	1-109-527-00	s	MICA 47PF 5% 100V
C128	1-109-548-00	s	MICA 360PF 5% 100V
C142	1-109-547-00	s	MICA 330PF 5% 100V
C145	1-109-547-00	s	MICA 330PF 5% 100V
C147	1-109-535-00	s	MICA 100PF 5% 100V
C148	1-109-547-00	s	MICA 330PF 5% 100V
C160	1-109-548-00	s	MICA 360PF 5% 100V
C165	1-109-537-00	s	MICA 120PF 5% 100V
C167	1-109-535-00	s	MICA 100PF 5% 100V
C168	1-109-548-00	s	MICA 360PF 5% 100V
C170	1-109-533-00	s	MICA 82PF 5% 100V
C176	1-109-530-00	s	MICA 62PF 5% 100V
C178	1-107-202-00	s	MICA 10PF 5% 500V
C181	1-109-530-00	s	MICA 62PF 5% 100V
C186	1-109-530-00	s	MICA 62PF 5% 100V
C208	1-107-211-00	s	MICA 24PF 5% 500V
C209	1-107-211-00	s	MICA 24PF 5% 500V
C210	1-107-211-00	s	MICA 24PF 5% 500V
C211	1-107-211-00	s	MICA 24PF 5% 500V
C212	1-107-211-00	s	MICA 24PF 5% 500V
C213	1-107-211-00	s	MICA 24PF 5% 500V
C214	1-107-211-00	s	MICA 24PF 5% 500V
C215	1-107-211-00	s	MICA 24PF 5% 500V
C217	1-107-211-00	s	MICA 24PF 5% 500V
C219	1-107-211-00	s	MICA 24PF 5% 500V
C220	1-107-211-00	s	MICA 24PF 5% 500V
C221	1-107-211-00	s	MICA 24PF 5% 500V
C222	1-107-211-00	s	MICA 24PF 5% 500V
C223	1-107-211-00	s	MICA 24PF 5% 500V
C224	1-107-211-00	s	MICA 24PF 5% 500V
C225	1-107-211-00	s	MICA 24PF 5% 500V
C226	1-107-211-00	s	MICA 24PF 5% 500V
C231	1-107-211-00	s	MICA 24PF 5% 500V
C232	1-107-211-00	s	MICA 24PF 5% 500V
C233	1-107-211-00	s	MICA 24PF 5% 500V
C234	1-107-211-00	s	MICA 24PF 5% 500V
C235	1-107-211-00	s	MICA 24PF 5% 500V
C236	1-107-211-00	s	MICA 24PF 5% 500V
C237	1-107-211-00	s	MICA 24PF 5% 500V
C238	1-107-211-00	s	MICA 24PF 5% 500V
C239	1-107-211-00	s	MICA 24PF 5% 500V
C248	1-107-048-00	s	MICA 6.8PF 500V

Ref.No.	Parts No.	SP	Description
C249	1-107-211-00	s	MICA 24PF 5% 500V
C252	1-107-048-00	s	MICA 6.8PF 500V
C501	1-109-556-00	s	MICA 620PF 5% 100V
C504	1-107-202-00	s	MICA 10PF 5% 500V
D1	8-719-815-55	s	1S1555
D2 D3 D4 D5	8-719-908-10	s	QSCH-1754(4PCS)
D6	8-719-815-80	s	1S1587
D7	8-719-815-80	s	1S1587
D8	8-719-102-51	s	1SZ51
D9	8-719-815-55	s	1S1555
D10 D11 D13 D14	8-719-908-10	s	QSCH-1754(4PCS)
D15	8-719-815-80	s	1S1587
D16	8-719-815-80	s	1S1587
D17	8-719-815-55	s	1S1555
D18	8-719-815-55	s	1S1555
D19	8-719-815-55	s	1S1555
D20	8-719-815-55	s	1S1555
D21	8-719-815-55	s	1S1555
D22	8-719-815-55	s	1S1555
D23	8-719-815-55	s	1S1555
D24	8-719-815-55	s	1S1555
D25	8-719-815-55	s	1S1555
D26	8-719-815-55	s	1S1555
D27	8-719-100-58	s	RD10EB3
D28	8-719-815-55	s	1S1555
DL1	1-415-168-00	s	20ns x10
DL2	1-415-173-00	s	5ns x10
DL3	1-415-173-00	s	5ns x10
DL4	1-415-308-00	s	700ns
FB1	1-535-178-00	s	
FB2	1-535-178-00	s	
FB3	1-535-178-00	s	
FB4	1-535-178-00	s	
IC1	8-749-936-51	s	BX365A(SONY)
IC2	8-759-900-59	s	HI1-201-5(HARRIS)
IC3	8-759-990-82	s	TL082CP(TI)
IC4	8-752-005-20	s	CX20052(SONY)
IC5	8-759-301-05	s	HD10105(HITACHI)
IC7	8-759-300-25	s	HD10125(HITACHI)
IC8	8-759-300-25	s	HD10125(HITACHI)
IC9	8-759-145-57	s	uPC4557C(NEC)
IC10	8-749-936-51	s	BX365A(SONY)
IC11	8-759-990-82	s	TL082CP(TI)
IC12	8-759-900-59	s	HI1-201-5(HARRIS)
IC13	8-759-990-82	s	TL082CP(TI)
IC14	8-752-005-20	s	CX20052(SONY)
IC15	8-759-301-05	s	HD10105(HITACHI)
IC17	8-759-300-25	s	HD10125(HITACHI)

Ref.No.	Parts No.	SP	Description
IC18	8-759-300-25	s	HD10125(HITACHI)
IC19	8-749-936-51	s	BX365A(SONY)
IC20	8-759-103-19	s	uPC319C(NEC)
IC21	8-749-936-51	s	BX365A(SONY)
IC22	8-759-103-19	s	uPC319C(NEC)
IC23	8-759-900-58	s	HA1-4905-5(HARRIS)
IC24	8-759-990-84	s	TL084CN(TI)
IC25	8-759-900-59	s	HI1-201-5(HARRIS)
IC26	8-759-901-23	s	SN74LS123N(TI)
IC27	8-759-900-59	s	HI1-201-5(HARRIS)
IC28	8-759-902-21	s	SN74LS221N(TI)
IC29	8-759-954-54	s	SN75454BP(TI)
IC30	8-759-900-58	s	HA1-4905-5(HARRIS)
IC31	8-759-990-84	s	TL084CN(TI)
IC32	8-759-900-58	s	HA1-4905-5(HARRIS)
IC33	8-759-900-59	s	HI1-201-5(HARRIS)
IC34	8-759-900-00	s	SN74LS00N(TI)
IC35	8-759-900-74	s	SN74LS74AN(TI)
IC36	8-759-902-21	s	SN74LS221N(TI)
IC37	8-759-900-20	s	SN74LS20N(TI)
IC38	8-759-245-28	s	TC4528BP(TOSHIBA)
IC39	8-759-902-21	s	SN74LS221N(TI)
IC40	8-759-240-22	s	TC4022BP(TOSHIBA)
IC41	8-749-936-51	s	BX365A(SONY)
IC42	8-749-936-51	s	BX365A(SONY)
IC43	8-749-936-51	s	BX365A(SONY)
IC44	8-752-005-11	s	CX20051(SONY)
IC45	8-752-005-11	s	CX20051(SONY)
IC46	8-752-005-11	s	CX20051(SONY)
IC47	8-759-145-57	s	uPC4557C(NEC)
IC48	8-759-990-82	s	TL082CP(TI)
IC49	8-759-906-07	s	TL607CP(TI)
IC50	8-759-906-07	s	TL607CP(TI)
IC51	8-759-990-82	s	TL082CP(TI)
IC52	8-759-145-57	s	uPC4557C(NEC)
IC53	8-759-001-98	s	MC10198L(MOTOROLA)
IC54	8-759-910-32	s	SN74S32N(TI)
IC55	8-759-901-63	s	SN74LS163AN(TI)
IC56	8-759-942-73	s	SN74273N(TI)
IC57	8-759-904-96	s	MBM2149L-55(FUJITSU)
IC58	8-759-904-96	s	MBM2149L-55(FUJITSU)
IC59	8-759-904-96	s	MBM2149L-55(FUJITSU)
IC60	8-759-904-96	s	MBM2149L-55(FUJITSU)
IC61	8-759-942-73	s	SN74273N(TI)
IC62	8-759-900-04	s	SN74LS04N(TI)
IC63	8-759-900-13	s	SN74LS113AN(TI)
IC64	8-759-903-74	s	SN74LS374N(TI)
IC65	8-759-901-63	s	SN74LS163AN(TI)
IC66	8-759-902-73	s	SN74LS273N(TI)
IC67	8-759-902-73	s	SN74LS273N(TI)
IC68	8-759-902-73	s	SN74LS273N(TI)
IC69	8-759-903-74	s	SN74LS374N(TI)
IC501	8-749-936-51	s	BX365A(SONY)

Ref.No.	Parts No.	SP	Description
L1	1-421-329-00	s	5.6
L2	1-421-329-00	s	5.6
L3	1-408-422-00	s	MICRO 120 5%
L4	1-408-422-00	s	MICRO 120 5%
L5	1-408-424-00	s	MICRO 180 5%
L7	1-421-329-00	s	5.6
L8	1-421-329-00	s	5.6
LPF1	1-235-177-00	s	LPF
LPF2	1-235-177-00	s	LPF
LPF3	1-235-178-00	s	LPF
LPF4	1-235-179-00	s	LPF
LPF5	1-235-179-00	s	LPF
Q1	8-729-672-43	s	2SC2724
Q2	8-729-368-90	s	2SC689H
Q3	8-729-672-43	s	2SC2724
Q4	8-769-193-09	s	2SK43-3
Q5	8-769-193-09	s	2SK43-3
Q6	8-729-353-00	s	2SA530H
Q7	8-729-368-90	s	2SC689H
Q8	8-729-368-90	s	2SC689H
Q9	8-729-100-87	s	2SC1275
Q10	8-729-100-87	s	2SC1275
Q11	8-729-672-43	s	2SC2724
Q12	8-729-113-32	s	2SB733
Q13	8-729-368-90	s	2SC689H
Q14	8-729-672-43	s	2SC2724
Q15	8-769-193-09	s	2SK43-3
Q16	8-769-193-09	s	2SK43-3
Q17	8-729-353-00	s	2SA530H
Q18	8-729-368-90	s	2SC689H
Q19	8-729-368-90	s	2SC689H
Q20	8-729-100-87	s	2SC1275
Q21	8-729-100-87	s	2SC1275
Q22	8-729-672-43	s	2SC2724
Q23	8-729-672-43	s	2SC2724
Q24	8-729-612-77	s	2SA1027R
Q25	8-729-672-43	s	2SC2724
Q26	8-729-672-43	s	2SC2724
Q27	8-729-612-77	s	2SA1027R
Q28	8-729-110-53	s	2SA1005
Q29	8-729-110-53	s	2SA1005
Q30	8-729-110-53	s	2SA1005
Q501	8-724-375-01	s	2SC403C
RB1	1-231-502-00	s	510x4
RB2	1-231-405-00	s	1Kx8
RB3	1-231-502-00	s	510x4
RB4	1-231-405-00	s	1Kx8
RB5	1-235-128-00	s	1.5Kx8
RB6	1-231-450-00	s	3.3Kx8
RB7	1-235-128-00	s	1.5Kx8
RB8	1-231-450-00	s	3.3Kx8
RB9	1-235-128-00	s	1.5Kx8
RB10	1-231-450-00	s	3.3Kx8
RB11	1-231-450-00	s	3.3Kx8
RB12	1-231-450-00	s	3.3Kx8

Ref.No.	Parts No.	SP	Description
RV1	1-228-291-00	s	VAR,CERMET 1K
RV2	1-228-295-00	s	VAR,CERMET 20K
RV3	1-228-291-00	s	VAR,CERMET 1K
RV4	1-228-291-00	s	VAR,CERMET 1K
RV5	1-228-295-00	s	VAR,CERMET 20K
RV6	1-228-295-00	s	VAR,CERMET 20K
RV7	1-228-295-00	s	VAR,CERMET 20K
RV8	1-228-292-00	s	VAR,CERMET 2K
RV9	1-228-294-00	s	VAR,CERMET 10K
RV10	1-228-457-00	s	VAR,CERMET 2K
T1	1-446-330-00	s	PULSE
T2	1-446-330-00	s	PULSE

RD-2 BOARD

	A-6715-212-A	o	MOUNTED CIRCUIT BOARD,RD-2
D1	8-719-200-02	s	10E-2
D2	8-719-200-02	s	10E-2
Q1	8-729-177-43	s	2SD774
Q2	8-729-313-42	s	2SD1134
Q3	8-729-313-42	s	2SD1134
Q4	8-729-374-02	s	2SB740
Q5	8-729-313-42	s	2SD1134
Q6	8-729-177-43	s	2SD774
Q7	8-729-313-42	s	2SD1134
Q8	8-729-313-42	s	2SD1134
Q9	8-729-374-02	s	2SB740
Q10	8-729-313-42	s	2SD1134
R4	1-217-059-00	s	WIREWOUND 2.7 10% 6W
R5	1-207-620-00	s	WIREWOUND 1 10% 3W
R6	1-207-679-00	s	WIREWOUND 15 10% 6W
R10	1-207-620-00	s	WIREWOUND 1 10% 3W

RE-10 BOARD

	A-6711-495-A	o	MOUNTED CIRCUIT BOARD,RE-10
C5	1-102-116-00	s	CERAMIC 680PF 10% 50V
C15	1-102-116-00	s	CERAMIC 680PF 10% 50V
CN1	1-560-462-00	o	RECEPTACLE,6P
	1-561-587-00	o	HOUSING,6P
	1-561-557-00	o	CONTACT
CN2	1-560-461-00	o	RECEPTACLE,5P
	1-561-586-00	o	HOUSING,5P
	1-561-557-00	o	CONTACT
LV1	1-407-565-00	s	VAR,2.2
LV2	1-407-565-00	s	VAR,2.2

Ref.No.	Parts No.	SP	Description
Q1	8-729-663-47	s	2SC1364
Q2	8-729-177-32	s	2SD773
Q3	8-729-177-32	s	2SD773
Q4	8-729-663-47	s	2SC1364
Q5	8-729-663-47	s	2SC1364
Q6	8-729-177-32	s	2SD773
Q7	8-729-177-32	s	2SD773
Q8	8-729-663-47	s	2SC1364
RV1	1-228-303-00	s	VAR,CERMET 200
RV2	1-228-303-00	s	VAR,CERMET 200
T1	1-433-194-00	s	15.5MHz
T2	1-433-194-00	s	15.5MHz

RM-24 BOARD

	1-611-541-12	o	PRINTED CIRCUIT BOARD,RM-24
CN1	1-561-028-00	s	RECEPTACLE,36P "REMOTE-2"
CN2	1-561-655-00	s	RECEPTACLE,9P "REMOTE-1"
CN3	1-557-233-11	o	FLAT CABLE ASS'Y,40P
D1	8-719-200-02	s	10E-2
D2	8-719-200-02	s	10E-2

RP-15 BOARD

	A-6711-494-A	o	MOUNTED CIRCUIT BOARD,RP-15
C107	1-123-821-00	s	ELECT 47 20% 16V
C111	1-123-821-00	s	ELECT 47 20% 16V
C116	1-123-821-00	s	ELECT 47 20% 16V
C119	1-123-821-00	s	ELECT 47 20% 16V
C207	1-123-821-00	s	ELECT 47 20% 16V
C211	1-123-821-00	s	ELECT 47 20% 16V
C216	1-123-821-00	s	ELECT 47 20% 16V
C219	1-123-821-00	s	ELECT 47 20% 16V
CN703	1-560-467-00	o	RECEPTACLE,4P
	1-561-585-00	o	HOUSING,4P
	1-561-557-00	o	CONTACT
CN704	1-560-469-00	o	RECEPTACLE,6P
	1-561-587-00	o	HOUSING,6P
	1-561-557-00	o	CONTACT
CN705	1-560-468-00	o	RECEPTACLE,5P
	1-561-586-00	o	HOUSING,5P
	1-561-557-00	o	CONTACT
CN706	1-560-467-00	o	RECEPTACLE,4P
	1-561-585-00	o	HOUSING,4P
	1-561-557-00	o	CONTACT

Ref.No.	Parts No.	SP	Description
D101	8-719-815-59	s	1S1555-S
D102	8-719-127-07	s	RD2.7E
D103	8-719-815-55	s	1S1555
D104	8-719-815-55	s	1S1555
D105	8-719-104-10	s	1SS99
D106	8-719-104-10	s	1SS99
D201	8-719-815-59	s	1S1555-S
D202	8-719-127-07	s	RD2.7E
D203	8-719-815-55	s	1S1555
D204	8-719-815-55	s	1S1555
D205	8-719-104-10	s	1SS99
D206	8-719-104-10	s	1SS99
IC101	8-743-731-00	s	BX373A(SONY)
IC102	8-759-240-09	s	TC4009UBP(TOSHIBA)
IC103	8-741-126-50	s	BX1265(SONY)
IC104	8-741-126-50	s	BX1265(SONY)
IC107	8-729-677-14	s	TRANSISTOR 2SC2771
IC108	8-729-677-14	s	TRANSISTOR 2SC2771
IC201	8-743-731-00	s	BX373A(SONY)
IC202	8-759-240-09	s	TC4009UBP(TOSHIBA)
IC203	8-741-126-50	s	BX1265(SONY)
IC204	8-741-126-50	s	BX1265(SONY)
IC207	8-729-677-14	s	TRANSISTOR 2SC2771
IC208	8-729-677-14	s	TRANSISTOR 2SC2771
Q103	8-761-622-00	s	2SC1636
Q106	8-761-622-00	s	2SC1636
Q203	8-761-622-00	s	2SC1636
Q206	8-761-622-00	s	2SC1636
RV102	1-226-770-00	s	VAR,METAL 470
RV103	1-226-770-00	s	VAR,METAL 470
RV104	1-226-702-00	s	VAR,METAL 2.2K
RV105	1-226-770-00	s	VAR,METAL 470
RV106	1-226-702-00	s	VAR,METAL 2.2K
RV107	1-226-769-00	s	VAR,METAL 100
RV110	1-226-769-00	s	VAR,METAL 100
RV202	1-226-770-00	s	VAR,METAL 470
RV203	1-226-770-00	s	VAR,METAL 470
RV204	1-226-702-00	s	VAR,METAL 2.2K
RV205	1-226-770-00	s	VAR,METAL 470
RV206	1-226-702-00	s	VAR,METAL 2.2K
RV207	1-226-769-00	s	VAR,METAL 100
RV210	1-226-769-00	s	VAR,METAL 100
T101	1-426-017-00	s	AF
T102	1-426-172-11	s	HF
T103	1-426-018-00	s	AF
T104	1-426-172-11	s	HF
T105	1-426-018-00	s	AF
T201	1-426-017-00	s	AF
T202	1-426-172-11	s	HF
T203	1-426-018-00	s	AF
T204	1-426-172-11	s	HF
T205	1-426-018-00	s	AF

Ref.No.	Parts No.	SP	Description
SD-6 BOARD			
	A-6711-496-A	o	MOUNTED CIRCUIT BOARD,SD-6
C1	1-123-821-00	s	ELECT 47 20% 16V
C2	1-161-013-00	s	CERAMIC 0.01 10% 25V
C3	1-123-821-00	s	ELECT 47 20% 16V
C6	1-123-620-00	s	ELECT 10 20% 25V
C9	1-107-159-00	s	MICA 33PF 5% 500V
C28	1-109-542-00	s	MICA 220PF 5% 100V
C30	1-123-645-00	s	ELECT 33 20% 10V
C31	1-123-645-00	s	ELECT 33 20% 10V
C33	1-123-821-00	s	ELECT 47 20% 16V
C35	1-123-821-00	s	ELECT 47 20% 16V
C38	1-107-208-00	s	MICA 18PF 5% 500V
C39	1-131-404-00	s	ELECT 0.22 10% 25V
C40	1-131-404-00	s	ELECT 0.22 10% 25V
C45	1-131-341-00	s	ELECT 0.1 10% 25V
C47	1-123-821-00	s	ELECT 47 20% 16V
C50	1-107-210-00	s	MICA 22PF 5% 500V
C52	1-123-617-00	s	ELECT 10 20% 16V
C55	1-107-158-00	s	MICA 30PF 5% 500V
C56	1-109-541-00	s	MICA 200PF 5% 100V
C63	1-107-210-00	s	MICA 22PF 5% 500V
C64	1-123-821-00	s	ELECT 47 20% 16V
C66	1-123-821-00	s	ELECT 47 20% 16V
C68	1-123-821-00	s	ELECT 47 20% 16V
C69	1-107-209-00	s	MICA 20PF 5% 500V
C72	1-123-821-00	s	ELECT 47 20% 16V
C74	1-123-821-00	s	ELECT 47 20% 16V
C76	1-123-821-00	s	ELECT 47 20% 16V
C79	1-123-821-00	s	ELECT 47 20% 16V
C82	1-123-821-00	s	ELECT 47 20% 16V
C85	1-123-821-00	s	ELECT 47 20% 16V
C87	1-123-821-00	s	ELECT 47 20% 16V
C90	1-123-821-00	s	ELECT 47 20% 16V
D1	8-719-911-19	s	1SS119
D2	8-719-162-07	s	RD6.2E-B
D3	8-719-911-19	s	1SS119
D4	8-719-815-80	s	1S1587
D5	8-719-911-19	s	1SS119
D6	8-719-911-19	s	1SS119
D9	8-719-911-19	s	1SS119
D10	8-719-911-19	s	1SS119
D11	8-719-911-19	s	1SS119
D12	8-719-911-19	s	1SS119
D13	8-719-911-19	s	1SS119
D14	8-719-911-19	s	1SS119
D15	8-719-911-19	s	1SS119
IC1	8-759-952-07	s	SN75207BN(TI)
IC2	8-759-103-19	s	uPC319C(NEC)
IC3	8-757-903-00	s	CX7903(SONY)
IC4	1-527-478-00	s	VCO,910FH
IC5	8-757-731-00	s	CX773A(SONY)

Ref.No.	Parts No.	SP	Description
IC6	1-527-478-00	s	VCO,910FH
IC7	8-759-240-53	s	TC4053BP(TOSHIBA)
IC8	8-759-902-21	s	SN74LS221N(TI)
IC9	8-750-000-74	s	CX20061(SONY)
IC10	8-759-220-00	s	TC40H000P(TOSHIBA)
IC11	8-759-240-53	s	TC4053BP(TOSHIBA)
IC12	8-759-900-86	s	SN74LS86N(TI)
IC13	8-759-901-23	s	SN74LS123N(TI)
IC14	8-759-990-62	s	TL062CP(TI)
IC15	8-759-907-93	s	uA796HC-B(FSC)
IC17	8-749-936-61	s	BX366A(SONY)
IC18	8-759-900-32	s	SN74LS32N(TI)
IC19	8-749-936-61	s	BX366A(SONY)
IC20	8-759-990-62	s	TL062CP(TI)
IC21	8-759-240-01	s	TC4001BP(TOSHIBA)
IC22	8-759-220-00	s	TC40H000P(TOSHIBA)
Q1	8-724-375-01	s	2SC403C
Q2	8-724-375-01	s	2SC403C
Q3	8-724-375-01	s	2SC403C
Q4	8-729-672-43	s	2SC2724
Q5	8-729-612-77	s	2SA1027R
Q6	8-729-612-77	s	2SA1027R
Q7	8-729-612-77	s	2SA1027R
Q8	8-724-375-01	s	2SC403C
Q9	8-724-375-01	s	2SC403C
Q10	8-729-663-47	s	2SC1364
Q11	8-724-375-01	s	2SC403C
Q13	8-729-612-77	s	2SA1027R
Q14	8-724-375-01	s	2SC403C
Q15	8-724-375-01	s	2SC403C
Q17	8-724-375-01	s	2SC403C
Q18	8-724-375-01	s	2SC403C
Q19	8-724-375-01	s	2SC403C
RV1	1-228-458-00	s	VAR,CERMET 5K
	*1-228-293-00	s	VAR,CERMET 5K
RV2	1-228-459-00	s	VAR,CERMET 10K
	*1-228-294-00	s	VAR,CERMET 10K
RV3	*1-228-292-00	s	VAR,CERMET 2K
RV4	*1-228-291-00	s	VAR,CERMET 1K
RV5	1-228-459-00	s	VAR,CERMET 10K
	*1-228-294-00	s	VAR,CERMET 10K
RV6	1-228-455-00	s	VAR,CERMET 500
	*1-228-290-00	s	VAR,CERMET 500
RV7	1-228-459-00	s	VAR,CERMET 10K
	*1-228-294-00	s	VAR,CERMET 10K
RV8	1-228-460-00	s	VAR,CERMET 20K
	*1-228-295-00	s	VAR,CERMET 20K
RV9	1-228-460-00	s	VAR,CERMET 20K
	*1-228-295-00	s	VAR,CERMET 20K
	*--(FOR UC:UP TO S/N 10395 J:UP TO S/N 10245)		
SS-8 BOARD			
	1-586-946-00	o	PRINTED CIRCUIT BOARD,SS-8
L1	1-459-051-00	s	HEAD,SENSING

Ref.No.	Parts No.	SP	Description
SV-55 BOARD			
	A-6715-210-A	o	MOUNTED CIRCUIT BOARD,SV-55
C3	1-107-177-00	s	MICA 220PF 5% 500V
C10	1-102-114-00	s	CERAMIC 470PF 10% 50V
C18	1-131-404-00	s	ELECT 0.22 10% 25V
C38	1-130-224-00	s	FILM 0.015 5% 50V
C40	1-131-341-00	s	ELECT 0.1 10% 25V
C41	1-123-299-00	s	ELECT 1000 20% 6.3V
C51	1-102-114-00	s	CERAMIC 470PF 10% 50V
C63	1-107-177-00	s	MICA 220PF 5% 500V
C68	1-131-341-00	s	ELECT 0.1 10% 25V
C81	1-131-341-00	s	ELECT 0.1 10% 25V
C84	1-102-116-00	s	CERAMIC 680PF 10% 50V
C86	1-130-016-00	s	FILM 680PF 5% 50V
C96	1-107-163-00	s	MICA 47PF 5% 500V
C112	1-131-341-00	s	ELECT 0.1 10% 25V
C113	1-102-112-00	s	CERAMIC 330PF 10% 50V
C115	1-102-106-00	s	CERAMIC 100PF 10% 50V
C116	1-131-408-00	s	ELECT 1 10% 25V
C119	1-102-114-00	s	CERAMIC 470PF 10% 50V
C120	1-102-114-00	s	CERAMIC 470PF 10% 50V
C121	1-102-114-00	s	CERAMIC 470PF 10% 50V
C130	1-102-114-00	s	CERAMIC 470PF 10% 50V
C134	1-102-114-00	s	CERAMIC 470PF 10% 50V
C139	1-102-114-00	s	CERAMIC 470PF 10% 50V
C143	1-102-110-00	s	CERAMIC 220PF 10% 50V
C175	1-102-114-00	s	CERAMIC 470PF 10% 50V
C198	1-123-299-00	s	ELECT 1000 20% 6.3V
C207	1-102-114-00	s	CERAMIC 470PF 10% 50V
C208	1-102-114-00	s	CERAMIC 470PF 10% 50V
C209	1-102-110-00	s	CERAMIC 220PF 10% 50V
C210	1-102-114-00	s	CERAMIC 470PF 10% 50V
C211	1-102-114-00	s	CERAMIC 470PF 10% 50V
C212	1-102-110-00	s	CERAMIC 220PF 10% 50V
C220	1-102-114-00	s	CERAMIC 470PF 10% 50V
C221	1-102-114-00	s	CERAMIC 470PF 10% 50V
C222	1-107-210-00	s	MICA 22PF 5% 500V
C223	1-107-210-00	s	MICA 22PF 5% 500V
C232	1-102-106-00	s	CERAMIC 100PF 10% 50V
C502	1-131-341-00	s	ELECT 0.1 10% 25V
C504	1-102-112-00	s	CERAMIC 330PF 10% 50V
C507	1-123-613-00	s	ELECT 3.3 20% 35V
C508	1-123-610-00	s	ELECT 0.47 20% 50V
C513	1-107-210-00	s	MICA 22PF 5% 500V
C517	1-107-210-00	s	MICA 22PF 5% 500V
C519	1-107-210-00	s	MICA 22PF 5% 500V
C521	1-107-210-00	s	MICA 22PF 5% 500V
C530	1-123-311-00	s	ELECT 1000 20% 10V
C537	1-123-299-00	s	ELECT 1000 20% 6.3V
C540	1-123-299-00	s	ELECT 1000 20% 6.3V
C552	1-131-404-00	s	ELECT 0.22 10% 25V
C563	1-123-613-00	s	ELECT 3.3 20% 35V
C902	1-107-169-00	s	MICA 100PF 5% 500V
C903	1-107-169-00	s	MICA 100PF 5% 500V
CN3	1-562-409-11	o	PLUG,25P
CN4	1-562-408-11	o	PLUG,24P

Ref.No.	Parts No.	SP	Description
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
D5	8-719-911-19	s	1SS119
D6	8-719-911-19	s	1SS119
D7	8-719-911-19	s	1SS119
D8	8-719-911-19	s	1SS119
D9	8-719-911-19	s	1SS119
D10	8-719-911-19	s	1SS119
D11	8-719-911-19	s	1SS119
D12	8-719-982-04	s	ERB81-004
D13	8-719-982-04	s	ERB81-004
D14	8-719-911-19	s	1SS119
D15	8-719-911-19	s	1SS119
D20	8-719-911-19	s	1SS119
D21	8-719-911-19	s	1SS119
D22	8-719-911-19	s	1SS119
D23	8-719-911-19	s	1SS119
D24	8-719-911-19	s	1SS119
D25	8-719-911-19	s	1SS119
D26	8-719-911-19	s	1SS119
D27	8-719-911-19	s	1SS119
D28	8-719-911-19	s	1SS119
D29	8-719-911-19	s	1SS119
D30	8-719-911-19	s	1SS119
D31	8-719-911-19	s	1SS119
D32	8-719-911-19	s	1SS119
D33	8-719-911-19	s	1SS119
D34	8-719-911-19	s	1SS119
D35	8-719-911-19	s	1SS119
D36	8-719-911-19	s	1SS119
D37	8-719-911-19	s	1SS119
D39	8-719-911-19	s	1SS119
D40	8-719-911-19	s	1SS119
D41	8-719-911-19	s	1SS119
D42	8-719-911-19	s	1SS119
D43	8-719-911-19	s	1SS119
D52	8-719-911-19	s	1SS119
D53	8-719-911-19	s	1SS119
D54	8-719-911-19	s	1SS119
D55	8-719-911-19	s	1SS119
D56	8-719-911-19	s	1SS119
D57	8-719-911-19	s	1SS119
D60	8-719-911-19	s	1SS119
D61	8-719-911-19	s	1SS119
D501	8-719-911-19	s	1SS119
D504	8-719-911-19	s	1SS119
D505	8-719-911-19	s	1SS119
D506	8-719-911-19	s	1SS119
D507	8-719-911-19	s	1SS119
D508	8-719-911-19	s	1SS119
D509	8-719-911-19	s	1SS119
D510	8-719-911-19	s	1SS119
D513	8-719-911-19	s	1SS119
D514	8-719-911-19	s	1SS119
D515	8-719-911-19	s	1SS119
D517	8-719-911-19	s	1SS119
D518	8-719-911-19	s	1SS119

Ref.No.	Parts No.	SP	Description
IC10	8-759-900-37	s	SN74LS37N(TI)
IC11	8-759-708-05	s	NJM78L05A(JRC)
IC21	8-759-045-38	s	MC14584BCP(MOTOROLA)
IC22	8-759-240-71	s	TC4071BP(TOSHIBA)
IC23	8-759-240-69	s	TC4069UBP(TOSHIBA)
IC24	8-759-240-73	s	TC4073BP(TOSHIBA)
IC25	8-759-240-21	s	TC4021BP(TOSHIBA)
IC26	8-759-240-51	s	TC4051BP(TOSHIBA)
IC27	8-759-135-80	s	uPC358C(NEC)
IC28	8-759-240-51	s	TC4051BP(TOSHIBA)
IC29	8-759-345-38	s	HD14538BP(HITACHI)
IC30	8-759-135-80	s	uPC358C(NEC)
IC31	8-759-729-03	s	NJM2903D(JRC)
IC32	8-759-240-01	s	TC4001BP(TOSHIBA)
IC33	8-759-345-38	s	HD14538BP(HITACHI)
IC34	8-759-133-90	s	uPC339C(NEC)
IC35	8-759-135-80	s	uPC358C(NEC)
IC36	8-759-135-80	s	uPC358C(NEC)
IC37	8-759-700-58	s	NJM4558D-FA(JRC)
IC38	8-759-345-38	s	HD14538BP(HITACHI)
IC39	8-759-240-69	s	TC4069UBP(TOSHIBA)
IC40	8-759-250-67	s	TC5067BP(TOSHIBA)
IC41	8-759-145-58	s	uPC4558C(NEC)
IC42	8-759-240-53	s	TC4053BP(TOSHIBA)
IC43	8-759-132-40	s	uPC324C(NEC)
IC46	8-759-240-81	s	TC4081BP(TOSHIBA)
IC47	8-759-240-53	s	TC4053BP(TOSHIBA)
IC48	8-759-240-71	s	TC4071BP(TOSHIBA)
IC49	8-759-240-53	s	TC4053BP(TOSHIBA)
IC50	8-759-240-01	s	TC4001BP(TOSHIBA)
IC52	8-759-240-13	s	TC4013BP(TOSHIBA)
IC53	8-759-240-30	s	TC4030BP(TOSHIBA)
IC54	8-759-133-90	s	uPC339C(NEC)
IC55	8-759-145-58	s	uPC4558C(NEC)
IC56	8-759-145-58	s	uPC4558C(NEC)
IC57	8-759-240-69	s	TC4069UBP(TOSHIBA)
IC58	8-759-240-69	s	TC4069UBP(TOSHIBA)
IC60	8-759-145-58	s	uPC4558C(NEC)
IC61	8-759-729-03	s	NJM2903D(JRC)
IC62	8-759-135-80	s	uPC358C(NEC)
IC63	8-749-909-15	s	BX3915A(SONY)
IC64	8-759-705-58	s	NJM4558D-D(JRC)
IC65	8-749-939-14	s	BX3914(SONY)
IC66	8-759-240-53	s	TC4053BP(TOSHIBA)
IC68	8-759-240-01	s	TC4001BP(TOSHIBA)
IC69	8-759-240-30	s	TC4030BP(TOSHIBA)
IC70	8-759-240-71	s	TC4071BP(TOSHIBA)
IC71	8-759-145-58	s	uPC4558C(NEC)
IC72	8-759-135-80	s	uPC358C(NEC)
IC73	8-759-135-80	s	uPC358C(NEC)
IC75	8-759-240-50	s	TC4050BP(TOSHIBA)
IC76	8-759-145-58	s	uPC4558C(NEC)
IC77	8-759-240-81	s	TC4081BP(TOSHIBA)
IC80	8-759-729-03	s	NJM2903D(JRC)
IC81	8-759-132-40	s	uPC324C(NEC)
IC82	8-749-911-54	s	BX1154(SONY)
IC83	8-759-345-38	s	HD14538BP(HITACHI)
IC84	8-759-345-38	s	HD14538BP(HITACHI)

Ref.No.	Parts No.	SP	Description
IC85	8-759-240-25	s	TC4025BP(TOSHIBA)
IC86	8-759-240-69	s	TC4069UBP(TOSHIBA)
IC87	8-759-729-03	s	NJM2903D(JRC)
IC88	8-759-240-66	s	TC4066BP(TOSHIBA)
IC89	8-759-240-11	s	TC4011BP(TOSHIBA)
IC91	8-759-729-03	s	NJM2903D(JRC)
IC92	8-759-245-39	s	TC4539BP(TOSHIBA)
IC93	8-759-045-84	s	MC14584BCP(MOTOROLA)
IC95	8-759-345-38	s	HD14538BP(HITACHI)
IC96	8-759-729-03	s	NJM2903D(JRC)
IC97	8-751-941-03	s	CX194B-3(SONY)
IC98	8-759-345-38	s	HD14538BP(HITACHI)
IC99	8-759-240-53	s	TC4053BP(TOSHIBA)
IC102	8-759-240-71	s	TC4071BP(TOSHIBA)
IC103	8-759-240-53	s	TC4053BP(TOSHIBA)
IC104	8-759-240-66	s	TC4066BP(TOSHIBA)
IC110	8-759-940-94	s	MSM4094RS(OKI)
IC111	8-759-240-69	s	TC4069UBP(TOSHIBA)
IC112	8-759-345-38	s	HD14538BP(HITACHI)
IC113	8-759-040-46	s	HD14046BP(HITACHI)
IC114	8-759-345-38	s	HD14538BP(HITACHI)
IC116	8-759-240-13	s	TC4013BP(TOSHIBA)
IC117	8-759-132-40	s	uPC324C(NEC)
IC118	8-759-245-16	s	TC4516BP(TOSHIBA)
IC119	8-759-245-16	s	TC4516BP(TOSHIBA)
IC120	8-759-240-81	s	TC4081BP(TOSHIBA)
IC121	8-759-240-30	s	TC4030BP(TOSHIBA)
IC123	8-759-240-53	s	TC4053BP(TOSHIBA)
IC124	8-759-240-53	s	TC4053BP(TOSHIBA)
IC125	8-759-240-73	s	TC4073BP(TOSHIBA)
IC126	8-759-729-03	s	NJM2903D(JRC)
IC127	8-759-911-17	s	MB88501-207L(FUJITSU)
IC128	8-759-240-13	s	TC4013BP(TOSHIBA)
L1	1-459-155-00	s	45
L2	1-408-298-00	s	2mH
L3	1-459-155-00	s	45
Q2	8-729-606-32	s	2SC2603
Q3	8-729-606-32	s	2SC2603
Q5	8-729-188-23	s	2SD882
Q8	8-729-606-32	s	2SC2603
Q9	8-729-288-02	s	2SD880
Q11	8-729-315-63	s	2SB856
Q12	8-729-606-32	s	2SC2603
Q13	8-729-606-32	s	2SC2603
Q14	8-729-606-32	s	2SC2603
Q15	8-729-606-32	s	2SC2603
Q16	8-729-201-05	s	2SC2878-B
Q17	8-769-193-09	s	2SK43-3
Q18	8-729-606-32	s	2SC2603
Q19	8-729-606-32	s	2SC2603
Q20	8-729-103-43	s	2SB734
Q21	8-729-606-32	s	2SC2603
Q22	8-729-606-32	s	2SC2603
Q23	8-729-606-32	s	2SC2603
Q24	8-729-201-05	s	2SC2878-B

Ref.No.	Parts No.	SP	Description
Q25	8-729-606-32	s	2SC2603
Q26	8-729-606-32	s	2SC2603
Q27	8-729-606-32	s	2SC2603
Q29	8-729-606-32	s	2SC2603
Q502	8-729-606-32	s	2SC2603
Q503	8-729-606-32	s	2SC2603
Q505	8-729-201-05	s	2SC2878-B
Q506	8-729-201-05	s	2SC2878-B
Q507	8-729-201-05	s	2SC2878-B
Q508	8-729-201-05	s	2SC2878-B
Q509	8-729-606-32	s	2SC2603
Q510	8-729-606-32	s	2SC2603
Q511	8-729-606-32	s	2SC2603
Q512	8-729-606-32	s	2SC2603
Q520	8-729-606-32	s	2SC2603
R72	1-207-621-00	s	WIREWOUND 1.5 10% 3W
R83	1-207-636-00	s	WIREWOUND 100 10% 3W
R84	1-244-849-00	s	CARBON 100 5% 1/2W
R179	1-214-165-00	s	METAL 24K 1% 1/4W
R502	1-212-708-00	s	METAL 180K 1% 1/2W
R504	1-212-715-00	s	METAL 360K 1% 1/2W
R505	1-212-715-00	s	METAL 360K 1% 1/2W
RB4	1-231-411-00	s	100Kx8
RB5	1-231-411-00	s	100Kx8
RB6	1-231-411-00	s	100Kx8
RB7	1-235-109-00	s	22Kx8
RB8	1-231-387-00	s	NETTY,RES 25K/50K
RV3	1-228-297-00	s	VAR,CERMET 100K
RV4	1-228-297-00	s	VAR,CERMET 100K
RV5	1-228-297-00	s	VAR,CERMET 100K
RV9	1-228-296-00	s	VAR,CERMET 50K
RV10	1-228-295-00	s	VAR,CERMET 20K
RV11	1-228-292-00	s	VAR,CERMET 2K
RV12	1-228-298-00	s	VAR,CERMET 200K
RV13	1-228-297-00	s	VAR,CERMET 100K
RV14	1-228-293-00	s	VAR,CERMET 5K
RV15	1-228-293-00	s	VAR,CERMET 5K
RV16	1-228-295-00	s	VAR,CERMET 20K
RV17	1-228-293-00	s	VAR,CERMET 5K
RV18	1-228-293-00	s	VAR,CERMET 5K
RV19	1-228-293-00	s	VAR,CERMET 5K
RV20	1-228-299-00	s	VAR,CERMET 500K
RV21	1-228-298-00	s	VAR,CERMET 200K
RV22	1-228-294-00	s	VAR,CERMET 10K
RV23	1-228-296-00	s	VAR,CERMET 50K
RV24	1-228-297-00	s	VAR,CERMET 100K
RV25	1-228-297-00	s	VAR,CERMET 100K
RV501	1-228-294-00	s	VAR,CERMET 10K
RV502	1-228-294-00	s	VAR,CERMET 10K
RV503	1-228-296-00	s	VAR,CERMET 50K
RV504	1-228-293-00	s	VAR,CERMET 5K
RV505	1-228-294-00	s	VAR,CERMET 10K
RV506	1-228-294-00	s	VAR,CERMET 10K
RV507	1-228-294-00	s	VAR,CERMET 10K
RV508	1-228-294-00	s	VAR,CERMET 10K
RV520	1-228-289-00	s	VAR,CERMET 200
X1	1-527-967-00	s	3.58MHz
X3	1-527-376-00	s	3.579545MHz

SV-60 BOARD

	A-6715-215-A	o	MOUNTED CIRCUIT BOARD,SV-60
C114	1-123-822-00	s	ELECT 47 20% 10V
C541	1-131-408-00	s	ELECT 1 10% 25V
C542	1-131-408-00	s	ELECT 1 10% 25V
CN3	1-564-405-11	o	RECEPTACLE,25P
CN4	1-564-404-11	o	RECEPTACLE,24P
D38	8-719-911-19	s	1SS119
D511	8-719-911-19	s	1SS119
D512	8-719-911-19	s	1SS119
D516	8-719-911-19	s	1SS119
IC1	8-759-240-81	s	TC4081BP(TOSHIBA)
IC2	8-759-245-32	s	TC4532BP(TOSHIBA)
IC3	8-759-240-81	s	TC4081BP(TOSHIBA)
IC4	8-759-240-81	s	TC4081BP(TOSHIBA)
IC5	8-759-240-30	s	TC4030BP(TOSHIBA)
IC6	8-759-240-71	s	TC4071BP(TOSHIBA)
IC7	8-759-940-94	s	MSM4094RS(OKI)
IC8	8-759-940-94	s	MSM4094RS(OKI)
IC9	8-759-940-94	s	MSM4094RS(OKI)
IC12	8-759-240-11	s	TC4011BP(TOSHIBA)
IC13	8-759-245-32	s	TC4532BP(TOSHIBA)
IC14	8-759-240-73	s	TC4073BP(TOSHIBA)
IC15	8-759-240-81	s	TC4081BP(TOSHIBA)
IC16	8-759-345-38	s	HD14538BP(HITACHI)
IC17	8-759-240-69	s	TC4069UBP(TOSHIBA)
IC18	8-759-240-75	s	TC4075BP(TOSHIBA)
IC19	8-759-345-38	s	HD14538BP(HITACHI)
IC20	8-759-240-71	s	TC4071BP(TOSHIBA)
RB1	1-231-411-00	s	100Kx8
RB2	1-231-411-00	s	100Kx8
RB3	1-231-411-00	s	100Kx8

Ref.No.	Parts No.	SP	Description
SW-6 BOARD			
	1-611-543-00	o	PRINTED CIRCUIT BOARD,SW-6
S1	1-516-963-00	s	SLIDE "MONITOR"
S2	1-516-995-00	s	SLIDE "MIXING SELECT"
S3	1-516-994-00	s	SLIDE "LIMITER"
S4	1-516-994-00	s	SLIDE "MODE SELECT"
SW-7 BOARD			
	1-611-546-00	o	PRINTED CIRCUIT BOARD,SW-7
	1-557-236-11	o	FLAT CABLE,6P,SW7 TO SW8
CN1	1-564-414-11	o	RECEPTACLE,6P
CN2	1-564-412-11	o	RECEPTACLE,4P
CN3	1-564-415-11	o	RECEPTACLE,8P
D1	8-719-812-44	s	LED,TL0124 "AUTO OFF"
D2	8-719-812-44	s	LED,TL0124 "HOLD"
S1	1-516-994-00	s	SLIDE "CTL/TC"
S2	1-516-994-00	s	SLIDE "STD/NON STD"
S3	1-516-995-00	s	SLIDE "INPUT SELECT"
S4	1-516-995-00	s	SLIDE "REMOE SELECT"
SW-8 BOARD			
	1-611-547-00	o	PRINTED CIRCUIT BOARD,SW-8
S1	1-552-539-00	s	KEY "PRESET"
S2	1-552-539-00	s	KEY "ADVANCE"
S3	1-552-539-00	s	KEY "SHIFT"
S4	1-552-539-00	s	KEY "HOLD"
SW-13 BOARD			
	1-611-539-00	o	PRINTED CIRCUIT BOARD,SW-13
S1	1-516-272-21	s	SLIDE "CH-2 LEVEL"
S2	1-516-576-00	s	SLIDE "CH-2 600ohm"
S101	1-516-272-21	s	SLIDE "CH-1 LEVEL"
S102	1-516-576-00	s	SLIDE "CH-1 600ohm"

Ref.No.	Parts No.	SP	Description
SY-4 BOARD			
	A-6717-341-A	o	MOUNTED CIRCUIT BOARD,SY-4
C2	1-123-821-00	s	ELECT 47 20% 16V
C5	1-102-110-00	s	CERAMIC 220PF 10% 50V
C6	1-102-110-00	s	CERAMIC 220PF 10% 50V
C8	1-102-110-00	s	CERAMIC 220PF 10% 50V
C9	1-102-110-00	s	CERAMIC 220PF 10% 50V
C10	1-102-110-00	s	CERAMIC 220PF 10% 50V
C11	1-102-114-00	s	CERAMIC 470PF 10% 50V
C15	1-102-114-00	s	CERAMIC 470PF 10% 50V
C18	1-102-112-00	s	CERAMIC 330PF 10% 50V
C19	1-102-110-00	s	CERAMIC 220PF 10% 50V
C20	1-102-110-00	s	CERAMIC 220PF 10% 50V
C21	1-102-110-00	s	CERAMIC 220PF 10% 50V
C22	1-102-110-00	s	CERAMIC 220PF 10% 50V
C25	1-102-110-00	s	CERAMIC 220PF 10% 50V
C26	1-102-110-00	s	CERAMIC 220PF 10% 50V
C27	1-102-110-00	s	CERAMIC 220PF 10% 50V
C31	1-102-106-00	s	CERAMIC 100PF 10% 50V
C32	1-107-205-00	s	MICA 13PF 5% 500V
CN1	1-560-454-31	o	HEADER,40P
CN2	1-560-454-31	o	HEADER,40P
D1	8-719-911-19	s	1SS119
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
D5	8-719-911-19	s	1SS119
D6	8-719-911-19	s	1SS119
D7	8-719-911-19	s	1SS119
IC1	8-759-926-31	s	AM26LS31PC(AMD)
IC2	8-759-926-32	s	AM26LS32PC(AMD)
IC3	8-759-200-39	s	TC40H240P(TOSHIBA)
IC4	8-759-902-44	s	SN74LS244N(TI)
IC5	8-759-902-44	s	SN74LS244N(TI)
IC6	8-759-902-44	s	SN74LS244N(TI)
IC7	8-759-940-94	s	MSM4094RS(OKI)
IC8	8-759-900-32	s	SN74LS32N(TI)
IC9	8-759-729-03	s	NJM2903D(JRC)
IC10	8-759-926-32	s	AM26LS32PC(AMD)
IC11	8-759-926-31	s	AM26LS31PC(AMD)
IC12	8-759-200-39	s	TC40H240P(TOSHIBA)
IC13	8-759-902-44	s	SN74LS244N(TI)
IC14	8-759-902-44	s	SN74LS244N(TI)
IC15	8-759-940-94	s	MSM4094RS(OKI)
IC16	8-759-902-40	s	SN74LS240N(TI)
IC17	8-759-145-84	s	uPD4584BC(NEC)
IC18	8-759-600-61	s	M54529AP(MITSUBISHI)
IC19	8-759-200-39	s	TC40H240P(TOSHIBA)
IC20	8-759-902-44	s	SN74LS244N(TI)

Ref.No.	Parts No.	SP	Description
IC21	8-759-902-44	s	SN74LS244N(TI)
IC22	8-759-240-21	s	TC4021BP(TOSHIBA)
IC23	8-759-240-21	s	TC4021BP(TOSHIBA)
IC24	8-759-240-21	s	TC4021BP(TOSHIBA)
IC25	8-759-240-21	s	TC4021BP(TOSHIBA)
IC26	8-759-900-37	s	SN74LS37N(TI)
IC27	8-759-600-61	s	M54529AP(MITSUBISHI)
IC28	8-759-600-61	s	M54529AP(MITSUBISHI)
IC29	8-759-240-21	s	TC4021BP(TOSHIBA)
IC30	8-759-200-46	s	TC40H273P(TOSHIBA)
IC31	8-759-200-46	s	TC40H273P(TOSHIBA)
IC32	8-759-200-46	s	TC40H273P(TOSHIBA)
IC33	8-759-200-46	s	TC40H273P(TOSHIBA)
IC34	8-759-200-46	s	TC40H273P(TOSHIBA)
IC35	8-759-200-46	s	TC40H273P(TOSHIBA)
IC36	8-759-200-46	s	TC40H273P(TOSHIBA)
IC37	8-759-902-40	s	SN74LS240N(TI)
IC38	8-759-902-40	s	SN74LS240N(TI)
IC39	8-759-240-81	s	TC4081BP(TOSHIBA)
IC40	8-759-240-21	s	TC4021BP(TOSHIBA)
IC41	8-759-200-46	s	TC40H273P(TOSHIBA)
IC42	8-759-200-46	s	TC40H273P(TOSHIBA)
IC43	8-759-200-46	s	TC40H273P(TOSHIBA)
IC44	8-759-200-46	s	TC40H273P(TOSHIBA)
IC45	8-759-200-46	s	TC40H273P(TOSHIBA)
IC46	8-759-200-46	s	TC40H273P(TOSHIBA)
IC47	8-759-200-46	s	TC40H273P(TOSHIBA)
IC48	8-759-240-21	s	TC4021BP(TOSHIBA)
IC49	8-759-240-21	s	TC4021BP(TOSHIBA)
IC50	8-759-600-61	s	M54529AP(MITSUBISHI)
IC51	8-759-940-94	s	MSM4094RS(OKI)
IC52	8-759-902-44	s	SN74LS244N(TI)
IC53	8-759-901-38	s	SN74LS138N(TI)
IC54	8-759-902-44	s	SN74LS244N(TI)
IC55	8-759-902-44	s	SN74LS244N(TI)
IC56	8-759-902-45	s	SN74LS245N(TI)
IC57	8-759-900-00	s	SN74LS00N(TI)
IC58	8-759-900-08	s	SN74LS08N(TI)
IC59	8-759-240-21	s	TC4021BP(TOSHIBA)
IC60	8-759-240-21	s	TC4021BP(TOSHIBA)
IC61	8-759-600-61	s	M54529AP(MITSUBISHI)
IC62	8-759-900-37	s	SN74LS37N(TI)
IC63	8-759-901-38	s	SN74LS138N(TI)
IC64	8-759-901-38	s	SN74LS138N(TI)
IC65	8-759-901-38	s	SN74LS138N(TI)
IC66	8-759-901-38	s	SN74LS138N(TI)
IC67	8-759-901-39	s	SN74LS139N(TI)
IC68	8-759-900-32	s	SN74LS32N(TI)
IC69	8-759-900-32	s	SN74LS32N(TI)
IC70	8-759-900-37	s	SN74LS37N(TI)
IC71	8-759-240-50	s	TC4050BP(TOSHIBA)
IC72	8-759-240-73	s	TC4073BP(TOSHIBA)
IC73	8-759-345-38	s	HD14538BP(HITACHI)
IC74 IC75 IC76 IC77	A-6415-040-A	s	ROM ASS'Y

Ref.No.	Parts No.	SP	Description
IC78	8-759-905-23	s	MSM2128-15RS(OKI)
IC79	8-759-145-84	s	uPD4584BC(NEC)
IC80	8-759-900-37	s	SN74LS37N(TI)
IC81	8-759-345-38	s	HD14538BP(HITACHI)
IC82	8-759-240-11	s	TC4011BP(TOSHIBA)
IC83	8-759-902-44	s	SN74LS244N(TI)
IC84	8-759-916-82	s	LH0082A(SHARP)
IC85	8-759-916-82	s	LH0082A(SHARP)
IC86	8-759-916-82	s	LH0082A(SHARP)
IC87	8-759-916-84	s	LH0084A(SHARP)
IC88	8-759-223-68	s	TC40H368P(TOSHIBA)
IC89	8-759-900-37	s	SN74LS37N(TI)
IC90	8-759-240-13	s	TC4013BP(TOSHIBA)
IC91	8-759-145-84	s	uPD4584BC(NEC)
IC92	8-759-240-24	s	TC4024BP(TOSHIBA)
IC93	8-759-916-80	s	LH0080A(SHARP)
IC94	8-759-902-44	s	SN74LS244N(TI)
IC95	8-759-901-64	s	SN74LS164N(TI)
IC96	8-759-223-68	s	TC40H368P(TOSHIBA)
IC97	8-759-910-74	s	SN74S74N(TI)
IC98	8-759-100-88	s	uPD8279C-5(NEC)
IC99	8-759-200-43	s	TC40H244P(TOSHIBA)
IC100	8-759-600-61	s	M54529AP(MITSUBISHI)
IC101	8-759-240-20	s	TC4020BP(TOSHIBA)
IC102	8-759-901-64	s	SN74LS164N(TI)
IC103	8-759-910-04	s	SN74S04N(TI)
IC104	8-759-600-61	s	M54529AP(MITSUBISHI)
IC105	8-759-600-61	s	M54529AP(MITSUBISHI)
IC106	8-759-600-61	s	M54529AP(MITSUBISHI)
L1	1-459-155-00	s	45
L2	1-408-080-00	s	100
L3	1-408-080-00	s	100
L4	1-408-080-00	s	100
RV1	1-228-298-00	s	VAR,CERMET 200K
SW1	1-552-509-00	s	DIP
SW2	1-552-509-00	s	DIP
SW3	1-552-782-00	s	DIP
SW4	1-552-782-00	s	DIP
SW5	1-552-782-00	s	DIP
SW6	1-552-509-00	s	DIP
SW7	1-553-564-00	s	ROTARY
X1	1-527-520-00	s	8MHz

Ref.No.	Parts No.	SP	Description
TC-28 BOARD			
	A-6717-345-B	o	MOUNTED CIRCUIT BOARD,TC-28
C6	1-107-159-00	s	MICA 33PF 5% 500V
C11	1-107-205-00	s	MICA 13PF 5% 500V
C18	1-107-159-00	s	MICA 33PF 5% 500V
C25	1-131-341-00	s	ELECT 0.1 10% 25V
C26	1-102-106-00	s	CERAMIC 100PF 10% 50V
D2	8-719-200-02	s	10E-2
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
D5	8-719-911-19	s	1SS119
D6	8-719-911-19	s	1SS119
D7	8-719-911-19	s	1SS119
D8	8-719-911-19	s	1SS119
D10	8-719-400-35	s	LED,LN35BP "TC EXIST"
D11	8-719-400-35	s	LED,LN35BP "DF/NDF"
D13	8-719-911-19	s	1SS119
D14	8-719-911-19	s	1SS119
IC1	8-759-909-16	s	CX7907A(SONY)
IC2	8-759-909-72	s	CX7912A(SONY)
IC3	8-759-040-46	s	HD14046BP(HITACHI)
IC4	8-759-240-50	s	TC4050BP(TOSHIBA)
IC5	8-759-240-93	s	TC4093BP(TOSHIBA)
IC6	8-759-151-11	s	uPD5101LC-1(NEC)
IC7	8-759-151-11	s	uPD5101LC-1(NEC)
IC8	8-759-200-39	s	TC40H240P(TOSHIBA)
IC9	8-759-345-38	s	HD14538BP(HITACHI)
IC10	8-759-600-61	s	M54529P(MITSBUBISHI)
IC11	8-759-220-00	s	TC40H000P(TOSHIBA)
IC12	8-759-240-13	s	TC4013BP(TOSHIBA)
IC13	8-759-145-19	s	uPD4519BC(NEC)
IC14	8-759-220-02	s	TC40H002P(TOSHIBA)
IC15	8-759-200-43	s	TC40H244P(TOSHIBA)
IC16	8-759-200-43	s	TC40H244P(TOSHIBA)
IC17	8-759-145-19	s	uPD4519BC(NEC)
IC18	8-759-200-50	s	TC40H374P(TOSHIBA)
IC19	8-759-200-50	s	TC40H374P(TOSHIBA)
IC20	8-759-926-40	s	SN74LS640N(TI)
IC21	8-759-240-13	s	TC4013BP(TOSHIBA)
IC22	8-759-240-19	s	TC4019BP(TOSHIBA)
IC23	8-759-045-38	s	HD14538BP(HITACHI)
IC24	8-759-240-30	s	TC4030BP(TOSHIBA)
IC25	8-759-240-49	s	TC4049BP(TOSHIBA)
IC26	8-759-245-12	s	TC4512BP(TOSHIBA)
IC27	8-759-245-12	s	TC4512BP(TOSHIBA)
IC28	8-759-245-12	s	TC4512BP(TOSHIBA)
IC29	8-759-220-32	s	TC40H032P(TOSHIBA)
IC30	8-759-200-22	s	TC40H138P(TOSHIBA)
IC31	8-759-200-39	s	TC40H240P(TOSHIBA)
IC32	8-759-901-09	s	SN74LS109AN(TI)
IC33	8-759-200-39	s	TC40H240P(TOSHIBA)
IC34	8-759-240-53	s	TC4053BP(TOSHIBA)
IC35	8-759-220-04	s	TC40H004P(TOSHIBA)

Ref.No.	Parts No.	SP	Description
IC36	8-759-240-01	s	TC4001BP(TOSHIBA)
IC37	8-759-240-49	s	TC4049BP(TOSHIBA)
IC38	8-759-900-04	s	SN74S04N(TI)
IC39	8-759-200-07	s	TC40H157P(TOSHIBA)
IC40	8-759-200-39	s	TC40H240P(TOSHIBA)
IC41	8-759-151-11	s	uPD5101LC-1(NEC)
IC42	8-759-151-11	s	uPD5101LC-1(NEC)
IC43	8-759-200-43	s	TC40H244P(TOSHIBA)
IC44	8-759-240-11	s	TC4011BP(TOSHIBA)
IC45	8-759-240-49	s	TC4049BP(TOSHIBA)
IC46	8-759-600-61	s	M54529P(MITSUBISHI)
L1	1-459-155-00	s	45
L2	1-459-155-00	s	45
S1	1-553-441-00	s	TOGGLE
S2	1-553-441-00	s	TOGGLE
S3	1-553-441-00	s	TOGGLE
S4	1-516-923-21	s	DIP
S5	1-516-923-21	s	DIP
X1	1-527-227-00	s	14.31818MHz
TE-2 BOARD			
	1-608-060-00	o	PRINTED CIRCUIT BOARD,TE-2
PH1	8-719-104-42	s	PS4005-L(NEC)
TR-18 BOARD			
	1-611-279-00	o	PRINTED CIRCUIT BOARD,TR-18
RM1	8-745-208-00	s	DM208
VR-10 BOARD			
	1-611-544-00	o	PRINTED CIRCUIT BOARD,VR-10
VR1	1-230-340-11	s	VAR,CARBON 10K WITH SWITCH "CH-1 REC LEVEL"
VR2	1-230-340-11	s	VAR,CARBON 10K WITH SWITCH "CH-1 PB LEVEL"
VR3	1-230-340-11	s	VAR,CARBON 10K WITH SWITCH "CH-2 REC LEVEL"
VR4	1-230-340-11	s	VAR,CARBON 10K WITH SWITCH "CH-2 PB LEVEL"
VR5	1-230-341-11	s	VAR,CARBON 10K WITH SWITCH "VIDEO LEVEL"
VR6	1-230-339-11	s	VAR,CARBON 100K "TRACKING"

Ref.No.	Parts No.	SP	Description
YC-14 BOARD			
	A-6711-489-A	o	MOUNTED CIRCUIT BOARD,YC-14 WITH DU-73 BOARD
DU-73 BOARD			
	A-6710-498-A	o	MOUNTED CIRCUIT BOARD,DU-73
C150	1-163-021-00	s	CHIP,CERAMIC 0.01 10% 50V
C151	1-163-251-00	s	CHIP,CERAMIC 100PF 5% 50V
C152	1-163-251-00	s	CHIP,CERAMIC 100PF 5% 50V
C153	1-163-021-00	s	CHIP,CERAMIC 0.01 10% 50V
C154	1-163-021-00	s	CHIP,CERAMIC 0.01 10% 50V
C155	1-163-021-00	s	CHIP,CERAMIC 0.01 10% 50V
C156	1-163-021-00	s	CHIP,CERAMIC 0.01 10% 50V
C157	1-162-021-00	s	CHIP,CERAMIC 0.01 10% 50V
C158	1-163-021-00	s	CHIP,CERAMIC 0.01 10% 50V
C160	1-163-037-00	s	CHIP,CERAMIC 0.022 10% 25V
C162	1-163-037-00	s	CHIP,CERAMIC 0.022 10% 25V
C163	1-163-037-00	s	CHIP,CERAMIC 0.022 10% 25V
CN7	1-560-906-00	o	10P
IC13	8-720-002-92	s	TRANSISOR,TX429M
IC14	8-759-969-13	s	SN16913P(TI)
IC15	8-759-145-58	s	uPC4558C(NEC)
Q30	8-729-271-22	s	2SC2712
Q31	8-729-603-40	s	2SC403SP
Q32	8-729-271-22	s	2SC2712
R150	1-216-049-00	s	CHIP,METAL 1K 5% 1/10W
R151	1-216-057-00	s	CHIP,METAL 2.2K 5% 1/10W
R152	1-216-073-00	s	CHIP,METAL 10K 5% 1/10W
R153	1-216-073-00	s	CHIP,METAL 10K 5% 1/10W
R154	1-216-055-00	s	CHIP,METAL 1.8K 5% 1/10W
R155	1-216-049-00	s	CHIP,METAL 1K 5% 1/10W
R156	1-216-057-00	s	CHIP,METAL 2.2K 5% 1/10W
R157	1-216-049-00	s	CHIP,METAL 1K 5% 1/10W
R158	1-216-073-00	s	CHIP,METAL 10K 5% 1/10W
R159	1-216-049-00	s	CHIP,METAL 1K 5% 1/10W
R160	1-216-085-00	s	CHIP,METAL 33K 5% 1/10W
R161	1-216-073-00	s	CHIP,METAL 10K 5% 1/10W
R162	1-216-101-00	s	CHIP,METAL 150K 5% 1/10W
R163	1-216-073-00	s	CHIP,METAL 10K 5% 1/10W
R164	1-216-073-00	s	CHIP,METAL 10K 5% 1/10W
RV7	1-228-308-00	s	10K

Ref.No.	Parts No.	SP	Description
YC-14 BOARD			
C18	1-109-692-00	s	MICA 620PF 1% 500V
C19	1-107-205-00	s	MICA 13PF 5% 500V
C55	1-107-204-00	s	MICA 12PF 5% 500V
C56	1-107-204-00	s	MICA 12PF 5% 500V
C59	1-109-689-00	s	MICA 470PF 5% 500V
C70	1-123-617-00	s	ELECT 10 20% 16V
C71	1-123-617-00	s	ELECT 10 20% 16V
C76	1-107-159-00	s	MICA 33PF 5% 500V
C77	1-161-025-00	s	CERAMIC 0.1 10% 25V
C78	1-123-822-00	s	ELECT 47 20% 10V
C79	1-123-822-00	s	ELECT 47 20% 10V
C80	1-161-025-00	s	CERAMIC 0.1 10% 25V
C82	1-109-686-00	s	MICA 360PF 5% 500V
C83	1-107-202-00	s	MICA 10PF 5% 500V
C84	1-102-112-00	s	CERAMIC 330PF 10% 50V
C85	1-107-205-00	s	MICA 13PF 5% 500V
C91	1-123-822-00	s	ELECT 47 20% 10V
C92	1-123-822-00	s	ELECT 47 20% 10V
C202	1-123-822-00	s	ELECT 47 20% 10V
C221	1-109-692-00	s	MICA 620PF 1% 500V
C222	1-107-205-00	s	MICA 13PF 5% 500V
C255	1-107-204-00	s	MICA 12PF 5% 500V
C256	1-107-204-00	s	MICA 12PF 5% 500V
C257	1-109-689-00	s	MICA 470PF 5% 500V
C268	1-123-617-00	s	ELECT 10 20% 16V
C269	1-123-617-00	s	ELECT 10 20% 16V
C274	1-107-159-00	s	MICA 33PF 5% 500V
C277	1-161-025-00	s	CERAMIC 0.1 10% 25V
C278	1-123-822-00	s	ELECT 47 20% 10V
C279	1-109-687-00	s	MICA 390PF 5% 500V
C280	1-109-686-00	s	MICA 360PF 5% 500V
C284	1-102-112-00	s	CERAMIC 330PF 10% 50V
C285	1-107-205-00	s	MICA 13PF 5% 500V
C291	1-123-822-00	s	ELECT 47 20% 10V
C292	1-123-822-00	s	ELECT 47 20% 10V
C294	1-107-202-00	s	MICA 10PF 5% 500V
C406	1-123-822-00	s	ELECT 47 20% 10V
C412	1-123-821-00	s	ELECT 47 20% 16V
C418	1-123-821-00	s	ELECT 47 20% 16V
C420	1-123-821-00	s	ELECT 47 20% 16V
C422	1-107-210-00	s	MICA 22PF 5% 500V
C425	1-107-202-00	s	MICA 10PF 5% 500V
C430	1-123-822-00	s	ELECT 47 20% 10V
C434	1-123-821-00	s	ELECT 47 20% 16V
C455	1-107-157-00	s	MICA 27PF 5% 500V
C491	1-107-047-00	s	MICA 5.6PF 500V
C493	1-107-047-00	s	MICA 5.6PF 500V
C496	1-123-324-00	s	ELECT 1000 20% 16V
C510	1-107-202-00	s	MICA 10PF 5% 500V
C512	1-107-043-00	s	MICA 2.7PF 500V
C513	1-107-204-00	s	MICA 12PF 5% 500V
C515	1-107-204-00	s	MICA 12PF 5% 500V
C519	1-124-473-00	s	ELECT 1000 20% 10V
C520	1-107-205-00	s	MICA 13PF 5% 500V
C522	1-107-204-00	s	MICA 12PF 5% 500V
C523	1-109-692-00	s	MICA 620PF 1% 500V
C530	1-124-472-00	s	ELECT 470 20% 10V

Ref.No.	Parts No.	SP	Description
C564	1-107-208-00	s	MICA 18PF 5% 500V
C565	1-107-202-00	s	MICA 10PF 5% 500V
C568	1-123-822-00	s	ELECT 47 20% 10V
C571	1-124-471-00	s	ELECT 1000 20% 6.3V
C575	1-123-821-00	s	ELECT 47 20% 16V
C577	1-161-025-00	s	CERAMIC 0.1 10% 25V
C585	1-107-206-00	s	MICA 15PF 5% 500V
C604	1-123-821-00	s	ELECT 47 20% 16V
C605	1-123-821-00	s	ELECT 47 20% 16V
C619	1-123-821-00	s	ELECT 47 20% 16V
C622	1-123-821-00	s	ELECT 47 20% 16V
C623	1-123-821-00	s	ELECT 47 20% 16V
C624	1-107-209-00	s	MICA 20PF 5% 500V
C626	1-123-822-00	s	ELECT 47 20% 10V
C627	1-123-821-00	s	ELECT 47 20% 16V
C629	1-107-210-00	s	MICA 22PF 5% 500V
C706	1-123-821-00	s	ELECT 47 20% 16V
C707	1-107-159-00	s	MICA 33PF 5% 500V
C708	1-107-211-00	s	MICA 24PF 5% 500V
C712	1-123-821-00	s	ELECT 47 20% 16V
C717	1-123-821-00	s	ELECT 47 20% 16V
C719	1-123-822-00	s	ELECT 47 20% 10V
C720	1-123-821-00	s	ELECT 47 20% 16V
C724	1-107-210-00	s	MICA 22PF 5% 500V
C726	1-107-157-00	s	MICA 27PF 5% 500V
C727	1-107-202-00	s	MICA 10PF 5% 500V
C729	1-102-106-00	s	CERAMIC 100PF 10% 50V
C731	1-123-822-00	s	ELECT 47 20% 10V
C736	1-123-821-00	s	ELECT 47 20% 16V
C790	1-124-473-00	s	ELECT 1000 20% 10V
C792	1-107-205-00	s	MICA 13PF 5% 500V
C793	1-107-204-00	s	MICA 12PF 5% 500V
C794	1-109-692-00	s	MICA 620PF 1% 500V
C796	1-124-475-00	s	ELECT 470 20% 16V
C812	1-107-202-00	s	MICA 10PF 5% 500V
C813	1-107-204-00	s	MICA 12PF 5% 500V
C815	1-107-204-00	s	MICA 12PF 5% 500V
C840	1-107-043-00	s	MICA 2.7PF 500V
C859	1-107-208-00	s	MICA 18PF 5% 500V
C860	1-107-202-00	s	MICA 10PF 5% 500V
C863	1-123-822-00	s	ELECT 47 20% 10V
C866	1-124-471-00	s	ELECT 1000 20% 6.3V
C870	1-123-821-00	s	ELECT 47 20% 16V
C872	1-161-025-00	s	CERAMIC 0.1 10% 25V
C880	1-107-206-00	s	MICA 15PF 5% 500V
C1002	1-131-342-00	s	ELECT 0.15 10% 25V
C1003	1-131-342-00	s	ELECT 0.15 10% 25V
C1017	1-109-165-00	s	MICA 620PF 5% 300V
C1018	1-107-202-00	s	MICA 10PF 5% 500V
C1019	1-107-209-00	s	MICA 20PF 5% 500V
C1032	1-161-013-00	s	CERAMIC 0.01 10% 25V
C1033	1-161-013-00	s	CERAMIC 0.01 10% 25V
C1034	1-107-202-00	s	MICA 10P 5% 500V
CN401	1-560-733-00	s	PIN,SHORT
	1-561-832-00	s	SOCKET,SHORT
CN402	1-560-733-00	s	PIN,SHORT
	1-561-832-00	s	SOCKET,SHORT
CN801	1-560-733-00	s	PIN,SHORT
	1-561-832-00	s	SOCKET,SHORT

Ref.No.	Parts No.	SP	Description
D1	8-719-815-55	s	1S1555
D2	8-719-815-55	s	1S1555
D3	8-719-815-55	s	1S1555
D4	8-719-815-55	s	1S1555
D5	8-719-815-55	s	1S1555
D6	8-719-815-55	s	1S1555
D7	8-719-151-07	s	RD5.1E-B
D8	8-719-709-25	s	1S1925-P
D9	8-719-709-25	s	1S1925-P
D10	8-719-815-55	s	1S1555
D11	8-719-815-55	s	1S1555
D12	8-719-911-19	s	1SS119
D13	8-719-911-19	s	1SS119
D14	8-719-911-19	s	1SS119
D201	8-719-815-55	s	1S1555
D202	8-719-815-55	s	1S1555
D204	8-719-815-55	s	1S1555
D205	8-719-815-55	s	1S1555
D206	8-719-815-55	s	1S1555
D207	8-719-815-55	s	1S1555
D208	8-719-151-07	s	RD5.1E-B
D209	8-719-709-25	s	1S1925-P
D210	8-719-709-25	s	1S1925-P
D211	8-719-815-55	s	1S1555
D212	8-719-815-55	s	1S1555
D213	8-719-911-19	s	1SS119
D214	8-719-911-19	s	1SS119
D215	8-719-911-19	s	1SS119
D401	8-719-162-07	s	RD6.2E-B
D402	8-719-151-07	s	RD5.1E-B
D403	8-719-815-55	s	1S1555
D404	8-719-815-55	s	1S1555
D405	8-719-815-55	s	1S1555
D406	8-719-815-55	s	1S1555
D407	8-719-191-07	s	RD9.1E-B
D408	8-719-815-55	s	1S1555
D409	8-719-815-55	s	1S1555
D410	8-719-162-07	s	RD6.2E-B
D601	8-719-709-25	s	1S1925-P
D602	8-719-709-25	s	1S1925-P
D701	8-719-162-07	s	RD6.2E-B
D702	8-719-151-07	s	RD5.1E-B
D703	8-719-815-55	s	1S1555
D704	8-719-815-55	s	1S1555
D705	8-719-815-55	s	1S1555
D706	8-719-162-07	s	RD6.2E-B
D1002	8-719-151-07	s	RD5.1E-B
D1003	8-719-815-55	s	1S1555
D1004	8-719-815-55	s	1S1555
D1005	8-719-911-19	s	1SS119
D1006	8-719-151-07	s	RD5.1E-B
D1007	8-719-815-55	s	1S1555
D1008	8-719-815-55	s	1S1555
D1009	8-719-911-19	s	1SS119
D1010	8-719-911-19	s	1SS119

Ref.No.	Parts No.	SP	Description
DL401	1-415-154-00	s	1MHz 35ns
DL402	1-415-154-00	s	1MHz 35ns
DL503	1-415-184-00	s	100ns
DL601	1-415-096-00	s	300ns
DL701	1-415-154-00	s	1MHz 35ns
DL702	1-415-154-00	s	1MHz 35ns
DL802	1-415-184-00	s	100ns
IC1	8-741-128-20	s	BX1282(SONY)
IC2	8-749-936-51	s	BX365A(SONY)
IC3	8-759-990-82	s	TL082CP(TI)
IC4	8-759-145-58	s	uPC4558C(NEC)
IC5	8-759-001-16	s	MC10116L(MOTOROLA)
IC6	8-759-200-60	s	TA7060AP(TOSHIBA)
IC7	8-750-000-74	s	CX20061(SONY)
IC8	8-765-222-20	s	TRANSISTOR 2SC1963
IC9	8-765-222-20	s	TRANSISTOR 2SC1963
IC10	8-759-220-74	s	TC40H074P(TOSHIBA)
IC11	8-759-925-25	s	HA7-2525-5(HARRIS)
IC12	8-759-131-11	s	uPC311C(NEC)
IC13	8-759-902-21	s	SN74LS221N(TI)
IC14	8-759-926-10	s	TL610CP(TI)
IC15	8-759-926-10	s	TL610CP(TI)
IC201	8-741-128-20	s	BX1282(SONY)
IC202	8-749-936-51	s	BX365A(SONY)
IC203	8-759-990-82	s	TL082CP(TI)
IC204	8-759-145-58	s	uPC4558C(NEC)
IC205	8-759-001-16	s	MC10116L(MOTOROLA)
IC206	8-759-200-60	s	TA7060AP(TOSHIBA)
IC207	8-750-000-74	s	CX20061(SONY)
IC208	8-765-222-20	s	TRANSISTOR 2SC1963
IC209	8-765-222-20	s	TRANSISTOR 2SC1963
IC210	8-759-220-74	s	TC40H074P(TOSHIBA)
IC211	8-759-925-25	s	HA7-2525-5(HARRIS)
IC212	8-759-131-11	s	uPC311C(NEC)
IC213	8-759-902-21	s	SN74LS221N(TI)
IC214	8-759-926-10	s	TL610CP(TI)
IC215	8-759-926-10	s	TL610CP(TI)
IC401	8-751-340-00	s	CX134A(SONY)
IC402	8-759-951-07	s	SN75107AN(TI)
IC403	8-741-114-00	s	BX1140(SONY)
IC404	8-759-208-94	s	CX894(SONY)
IC406	8-759-700-14	s	NJM78M09A(JRC)
IC411	8-759-179-05	s	uPC7905H(NEC)
IC412	8-759-001-16	s	MC10116L(MOTOROLA)
IC413	8-759-001-98	s	MC10198L(MOTOROLA)
IC414	8-759-907-34	s	uA733HC(FSC)
IC508	8-749-938-90	s	BX389(SONY)
IC509	8-759-200-60	s	TA7060AP(TOSHIBA)
IC510	8-759-200-60	s	TA7060AP(TOSHIBA)
IC602	8-749-936-51	s	BX365A(SONY)
IC603	8-749-936-61	s	BX366A(SONY)
IC608	8-759-906-07	s	TL607CP(TI)
IC611	8-741-109-90	s	BX1099(SONY)
IC612	8-749-938-80	s	BX388(SONY)
IC615	8-759-200-60	s	TA7060AP(TOSHIBA)
IC701	8-751-340-00	s	CX134A(SONY)
IC702	8-759-951-07	s	SN75107AN(TI)

Ref.No.	Parts No.	SP	Description
IC703	8-741-109-80	s	BX1098(SONY)
IC706	8-741-114-00	s	BX1140(SONY)
IC707	8-759-208-94	s	CX894(SONY)
IC714	8-749-936-51	s	BX365A(SONY)
IC715	8-759-001-16	s	MC10116L(MOTOROLA)
IC716	8-759-001-98	s	MC10198L(MOTOROLA)
IC717	8-759-907-34	s	uA733HC(FSC)
IC810	8-749-938-90	s	BX389(SONY)
IC811	8-759-200-60	s	TA7060AP(TOSHIBA)
IC812	8-759-200-60	s	TA7060AP(TOSHIBA)
FL401	1-235-190-00	s	LPF
FL701	1-235-284-00	s	LPF
LV1	1-407-569-00	s	VAR,10
LV201	1-407-569-00	s	VAR,10
LV401	1-407-568-00	s	VAR,6.8
LV402	1-407-568-00	s	VAR,6.8
LV701	1-407-568-00	s	VAR,6.8
LV702	1-407-568-00	s	VAR,6.8
Q1	8-724-375-01	s	2SC403C
Q5	8-724-375-01	s	2SC403C
Q6	8-724-375-01	s	2SC403C
Q7	8-724-375-01	s	2SC403C
Q8	8-729-173-37	s	2SA733-P
Q9	8-729-173-37	s	2SA733-P
Q10	8-724-375-01	s	2SC403C
Q11	8-724-375-01	s	2SC403C
Q12	8-724-375-01	s	2SC403C
Q13	8-724-375-01	s	2SC403C
Q14	8-724-375-01	s	2SC403C
Q18	8-724-375-01	s	2SC403C
Q19	8-729-112-06	s	2SA1206
Q20	8-729-112-06	s	2SA1206
Q21	8-729-173-37	s	2SA733-P
Q22	8-765-300-00	s	2SC2009
Q23	8-765-300-00	s	2SC2009
Q24	8-765-300-00	s	2SC2009
Q25	8-765-300-00	s	2SC2009
Q26	8-729-663-47	s	2SC1364
Q27	8-729-173-37	s	2SA733-P
Q28	8-729-663-47	s	2SC1364
Q29	8-724-375-01	s	2SC403C
Q30	8-724-375-01	s	2SC403C
Q31	8-724-375-01	s	2SC403C
Q32	8-724-375-01	s	2SC403C
Q33	8-724-375-01	s	2SC403C
Q36	8-724-375-01	s	2SC403C
Q37	8-729-663-47	s	2SC1364
Q38	8-724-375-01	s	2SC403C
Q40	8-724-375-01	s	2SC403C
Q41	8-724-375-01	s	2SC403C
Q42	8-729-201-05	s	2SC2878-B
Q43	8-729-173-37	s	2SA733-P
Q44	8-729-173-37	s	2SA733-P

Ref.No.	Parts No.	SP	Description
Q45	8-724-375-01	s	2SC403C
Q46	8-729-112-06	s	2SA1206
Q47	8-724-375-01	s	2SC403C
Q48	8-724-375-01	s	2SC403C
Q49	8-729-201-05	s	2SC2878-B
Q50	8-729-201-05	s	2SC2878-B
Q51	8-729-201-05	s	2SC2878-B
Q52	8-729-201-05	s	2SC2878-B
Q53	8-729-663-47	s	2SC1364
Q201	8-724-375-01	s	2SC403C
Q205	8-724-375-01	s	2SC403C
Q206	8-724-375-01	s	2SC403C
Q207	8-724-375-01	s	2SC403C
Q208	8-729-173-37	s	2SA733-P
Q209	8-729-173-37	s	2SA733-P
Q210	8-724-375-01	s	2SC403C
Q211	8-724-375-01	s	2SC403C
Q212	8-724-375-01	s	2SC403C
Q213	8-724-375-01	s	2SC403C
Q214	8-724-375-01	s	2SC403C
Q218	8-724-375-01	s	2SC403C
Q219	8-729-112-06	s	2SA1206
Q220	8-729-112-06	s	2SA1206
Q221	8-729-173-37	s	2SA733-P
Q222	8-765-300-00	s	2SC2009
Q223	8-765-300-00	s	2SC2009
Q224	8-765-300-00	s	2SC2009
Q225	8-765-300-00	s	2SC2009
Q226	8-729-663-47	s	2SC1364
Q227	8-729-173-37	s	2SA733-P
Q228	8-729-663-47	s	2SC1364
Q229	8-724-375-01	s	2SC403C
Q230	8-724-375-01	s	2SC403C
Q231	8-724-375-01	s	2SC403C
Q232	8-724-375-01	s	2SC403C
Q233	8-724-375-01	s	2SC403C
Q236	8-724-375-01	s	2SC403C
Q239	8-724-375-01	s	2SC403C
Q240	8-724-375-01	s	2SC403C
Q241	8-724-375-01	s	2SC403C
Q242	8-729-201-05	s	2SC2878-B
Q243	8-729-173-37	s	2SA733-P
Q244	8-729-173-37	s	2SA733-P
Q245	8-724-375-01	s	2SC403C
Q246	8-729-112-06	s	2SA1206
Q247	8-724-375-01	s	2SC403C
Q248	8-724-375-01	s	2SC403C
Q401	8-724-375-01	s	2SC403C
Q402	8-724-375-01	s	2SC403C
Q403	8-724-375-01	s	2SC403C
Q404	8-724-375-01	s	2SC403C
Q405	8-724-375-01	s	2SC403C
Q406	8-729-173-37	s	2SA733-P
Q407	8-724-375-01	s	2SC403C
Q408	8-724-375-01	s	2SC403C
Q409	8-724-375-01	s	2SC403C
Q410	8-724-375-01	s	2SC403C
Q411	8-729-663-47	s	2SC1364
Q412	8-729-374-02	s	2SB740
Q413	8-724-375-01	s	2SC403C

Ref.No.	Parts No.	SP	Description
Q414	8-724-375-01	s	2SC403C
Q415	8-724-375-01	s	2SC403C
Q416	8-724-375-01	s	2SC403C
Q418	8-729-201-05	s	2SC2878-B
Q420	8-729-190-12	s	2SC2901
Q421	8-729-110-53	s	2SA1005
Q422	8-729-110-53	s	2SA1005
Q423	8-724-375-01	s	2SC403C
Q424	8-724-375-01	s	2SC403C
Q425	8-724-375-01	s	2SC403C
Q426	8-729-201-05	s	2SC2878-B
Q427	8-724-375-01	s	2SC403C
Q430	8-724-375-01	s	2SC403C
Q517	8-724-375-01	s	2SC403C
Q518	8-724-375-01	s	2SC403C
Q519	8-724-375-01	s	2SC403C
Q520	8-724-375-01	s	2SC403C
Q521	8-724-375-01	s	2SC403C
Q522	8-724-375-01	s	2SC403C
Q523	8-724-375-01	s	2SC403C
Q603	8-724-375-01	s	2SC403C
Q604	8-724-375-01	s	2SC403C
Q606	8-724-375-01	s	2SC403C
Q701	8-724-375-01	s	2SC403C
Q702	8-724-375-01	s	2SC403C
Q703	8-729-201-05	s	2SC2878-B
Q704	8-724-375-01	s	2SC403C
Q705	8-729-173-37	s	2SA733-P
Q706	8-724-375-01	s	2SC403C
Q707	8-724-375-01	s	2SC403C
Q711	8-729-201-05	s	2SC2878-B
Q712	8-724-375-01	s	2SC403C
Q713	8-724-375-01	s	2SC403C
Q714	8-724-375-01	s	2SC403C
Q716	8-729-190-12	s	2SC2901
Q717	8-729-110-53	s	2SA1005
Q718	8-729-110-53	s	2SA1005
Q719	8-724-375-01	s	2SC403C
Q720	8-724-375-01	s	2SC403C
Q813	8-724-375-01	s	2SC403C
Q814	8-724-375-01	s	2SC403C
Q815	8-724-375-01	s	2SC403C
Q816	8-724-375-01	s	2SC403C
Q817	8-724-375-01	s	2SC403C
Q818	8-724-375-01	s	2SC403C
Q819	8-724-375-01	s	2SC403C
Q1001	8-729-201-05	s	2SC2878-B
Q1002	8-729-201-04	s	2SC2878
RV1	1-228-292-00	s	VAR,CERMET 2K
RV4	1-228-290-00	s	VAR,CERMET 500
RV5	1-228-292-00	s	VAR,CERMET 2K
RV6	1-228-294-00	s	VAR,CERMET 10K
RV7	1-228-292-00	s	VAR,CERMET 2K
RV8	1-228-289-00	s	VAR,CERMET 200
RV10	1-228-292-00	s	VAR,CERMET 2K
RV11	1-228-292-00	s	VAR,CERMET 2K
RV12	1-228-293-00	s	VAR,CERMET 5K
RV202	1-228-292-00	s	VAR,CERMET 2K

Ref.No.	Parts No.	SP	Description
RV204	1-228-291-00	s	VAR,CERMET 1K
RV205	1-228-292-00	s	VAR,CERMET 2K
RV206	1-228-294-00	s	VAR,CERMET 10K
RV207	1-228-292-00	s	VAR,CERMET 2K
RV208	1-228-289-00	s	VAR,CERMET 200
RV210	1-228-292-00	s	VAR,CERMET 2K
RV211	1-228-292-00	s	VAR,CERMET 2K
RV212	1-228-293-00	s	VAR,CERMET 5K
RV401	1-228-292-00	s	VAR,CERMET 2K
RV402	1-228-292-00	s	VAR,CERMET 2K
RV403	1-228-295-00	s	VAR,CERMET 20K
RV404	1-228-292-00	s	VAR,CERMET 2K
RV405	1-228-291-00	s	VAR,CERMET 1K
RV406	1-228-295-00	s	VAR,CERMET 20K
RV408	1-228-291-00	s	VAR,CERMET 1K
RV409	1-228-290-00	s	VAR,CERMET 500
RV410	1-228-292-00	s	VAR,CERMET 2K
RV415	1-228-289-00	s	VAR,CERMET 200
RV416	1-228-292-00	s	VAR,CERMET 2K
RV511	1-228-292-00	s	VAR,CERMET 2K
RV512	1-228-292-00	s	VAR,CERMET 2K
RV513	1-228-292-00	s	VAR,CERMET 2K
RV514	1-228-292-00	s	VAR,CERMET 2K
RV515	1-228-292-00	s	VAR,CERMET 2K
RV601	1-228-293-00	s	VAR,CERMET 5K
RV604	1-228-291-00	s	VAR,CERMET 1K
RV605	1-228-291-00	s	VAR,CERMET 1K
RV606	1-228-290-00	s	VAR,CERMET 500
RV701	1-228-292-00	s	VAR,CERMET 2K
RV702	1-228-292-00	s	VAR,CERMET 2K
RV703	1-228-295-00	s	VAR,CERMET 20K
RV704	1-228-293-00	s	VAR,CERMET 5K
RV706	1-228-292-00	s	VAR,CERMET 2K
RV707	1-228-291-00	s	VAR,CERMET 1K
RV708	1-228-295-00	s	VAR,CERMET 20K
RV716	1-228-289-00	s	VAR,CERMET 200
RV717	1-228-292-00	s	VAR,CERMET 2K
RV718	1-228-295-00	s	VAR,CERMET 20K
RV812	1-228-292-00	s	VAR,CERMET 2K
RV813	1-228-457-00	s	VAR,CERMET 2K
RV814	1-228-292-00	s	VAR,CERMET 2K
RV815	1-228-292-00	s	VAR,CERMET 2K
RV816	1-228-292-00	s	VAR,CERMET 2K
TH701	1-800-202-XX	s	S-10K
TH1001	1-800-202-XX	s	S-10K
TH1002	1-800-202-XX	s	S-10K
TH1003	1-800-202-XX	s	S-10K
TH1004	1-800-202-XX	s	S-10K

Ref.No.	Parts No.	SP	Description
FRAME			
	A-6050-217-A	s	HEAD DRUM ASS'Y,DSH-45A
	A-6762-156-A	s	DRUM ASS'Y,UPPER,DSR-45
⚠	1-413-166-11	s	SWITCHING REGULATOR,UR-09
	1-557-231-11	o	FLAT CABLE ASS'Y,40P MB-49 TO KY-45
	1-557-232-11	o	FLAT CABLE ASS'Y,50P MB-49 TO MB-52
	1-586-633-00	s	CONDENSATION SENSOR
⚠ CN001	1-508-840-00	o	RECEPTACLE,9P
	1-508-839-00	o	HOUSING,9P
	1-535-070-00	o	CONTACT
⚠ CN002	1-509-546-00	s	RECEPTACLE,3P "AC IN"
CN551	1-561-781-21	s	RECEPTACLE,BNC "REF VIDEO IN"
CN552	1-561-781-21	s	RECEPTACLE,BNC "REF VIDEO IN"
CN553	1-561-781-21	s	RECEPTACLE,BNC "VIDEO IN"
CN554	1-561-781-21	s	RECEPTACLE,BNC "VIDEO IN"
CN555	1-561-781-21	s	RECEPTACLE,BNC "VIDEO OUT"
CN556	1-561-781-21	s	RECEPTACLE,BNC "VIDEO OUT"
CN557	1-564-407-00	s	RECEPTACLE,12P,MALE "DUB/COMPONENT IN"
CN558	1-562-160-00	s	RECEPTACLE,12P,FEMALE "DUB/COMPONENT OUT"
CN559	1-561-045-00	s	RECEPTACLE,7P,FEMALE "DUB (U-MATIC) OUT"
CN560	1-509-095-00	s	RECEPTACLE,8P "MONITOR OUT"
CN561	1-509-184-31	s	RECEPTACLE,XLR,FEMALE (FOR UC) "CH-1 IN"
	1-509-176-31	s	RECEPTACLE,XLR,MALE (FOR J) "CH-1 IN"
CN562	1-509-184-31	s	RECEPTACLE,XLR,FEMALE (FOR UC) "CH-2 IN"
	1-509-176-31	s	RECEPTACLE,XLR,MALE (FOR J) "CH-2 IN"
CN563	1-509-176-31	s	RECEPTACLE,XLR,MALE (FOR UC) "CH-1 OUT"
	1-509-184-31	s	RECEPTACLE,XLR,FEMALE (FOR J) "CH-1 OUT"
CN564	1-509-176-31	s	RECEPTACLE,XLR,MALE (FOR UC) "CH-2 OUT"
	1-509-184-31	s	RECEPTACLE,XLR,FEMALE (FOR J) "CH-2 OUT"
CN565	1-509-176-31	s	RECEPTACLE,XLR,MALE (FOR UC) "MONITOR OUT"
	1-509-184-31	s	RECEPTACLE,XLR,FEMALE (FOR J) "MONITOR OUT"
CN566	1-509-184-31	s	RECEPTACLE,XLR,FEMALE (FOR UC) "TIME CODE IN"
	1-509-176-31	s	RECEPTACLE,XLR,MALE (FOR J) "TIME CODE IN"
CN567	1-509-176-31	s	RECEPTACLE,XLR,MALE (FOR UC) "TIME CODE OUT"
	1-509-184-31	s	RECEPTACLE,XLR,FEMALE (FOR J) "TIME CODE OUT"
CN568	1-564-600-11	s	RECEPTACLE,15P,FEMALE "TBC REMOTE IN"
CN570	1-561-781-21	s	RECEPTACLE,BNC "REF. VIDEO OUT"

Ref.No.	Parts No.	SP	Description
CN901	1-508-839-00	o	PULG HOUSING,9P (to SW'ing REG.)
	1-535-070-00	o	CONTACT,MALE
CN902	1-509-889-00	o	PULG HOUSING,12P (to SW'ing REG.)
	1-535-070-00	o	CONTACT,MALE
⚠ CN903	1-509-890-00	o	RECEPTACLE HOUSING,12P (to SW'ing REG.)
	1-535-072-00	s	CONTACT,FEMALE
H901	8-825-544-20	s	"FULL ERASE"
H902	8-825-554-72	s	PS244-21A "CTL"
H903	A-6736-041-A	s	HEAD ASS'Y,AT EPS244-2103 "AUDIO/TIME CODE"
M801	1-541-163-00	s	DC "CASSETTE-UP"
M841	1-541-163-00	s	DC "THREADING"
M901	A-6737-113-B	s	MOTOR ASS'Y "S-REEL"
M902	A-6737-113-B	s	MOTOR ASS'Y "T-REEL"
M903	8-838-065-01	s	DC,BHF-1912A "CAPSTAN"
M904	1-541-240-00	s	DC,FAN
M905	1-541-240-00	s	DC,FAN
ME601	1-520-439-00	s	"AUDIO CH-1"
ME602	1-520-439-00	s	"AUDIO CH-2"
ME603	1-520-483-00	s	"VIDEO/RF"
PL601	1-518-461-00	s	14V 50mA "AUDIO CH-1 METER"
PL602	1-518-461-00	s	14V 50mA "AUDIO CH-1 METER"
PL603	1-518-461-00	s	14V 50mA "AUDIO CH-2 METER"
PL604	1-518-461-00	s	14V 50mA "AUDIO CH-2 METER"
PL605	1-518-461-00	s	14V 50mA "VIDEO/RF METER"
PL606	1-518-461-00	s	14V 50mA "VIDEO/RF METER"
PL801	1-518-508-00	s	12V 60mA "CASSETTE LAMP"
PL802	1-518-508-00	s	12V 60mA "CASSETTE LAMP"
PM771	1-454-372-11	s	"CLEANER"
PM772	1-454-338-00	s	"PINCH"
PM881	1-454-336-00	s	"T-BRAKE"
PM882	1-454-336-00	s	"S-BRAKE"
PM883	1-454-337-00	s	"MAIN BRAKE"
S1	1-516-608-00	s	SLIDE "BYPASS ON/OFF"
⚠ S901	1-554-256-00	s	ROCKER "POWER"
TM601	1-548-100-11	s	"HOURS METER"

19-4. PACKING MATERIAL AND ACCESSORY (SUPPLIED)

Parts No.	SP	Description
A-6728-928-A	s	EXTENSION BOARD,EX-35
1-560-919-21	o	RECEPTACLE,60P,FEMALE
A-6728-929-A	s	EXTENSION BOARD,EX-36
1-561-654-00	o	RECEPTACLE,86P,FEMALE
A-6728-930-A	s	EXTENSION BOARD,EX-42
1-561-654-00	o	RECEPTACLE,86P,FEMALE
⚠ 1-551-812-00	s	CORD,POWER (FOR UC)
1-534-754-00	s	CORD,POWER (FOR J)
1-557-413-11	s	12PIN DUBBING CABLE
1-560-995-00	s	PLUG,12PIN,MALE
1-562-159-00	s	PLUG,12PIN,FEMALE
3-683-612-01	o	INDIVIDUAL CARTON
3-683-613-02	o	CUSHION,UPPER
3-683-614-01	o	SPACER
3-683-615-01	o	CUSHION (FRONT),LOWER
3-683-616-01	o	CUSHION (REAR),LOWER
3-701-630-00	s	BAG,POLY (FOR MANUAL)
3-701-632-00	s	BAG,POLY (FOR EXTENSION BOARD)
3-701-649-00	s	BAG,POLY (FOR BVW-40)
Standard products		9PIN REMOTE CONTROL CABLE
1-560-651-00	s	PLUG,9PIN,MALE
1-561-749-00	s	SHELL

19-5. FIXTURE (OPTIONAL)

Parts No.	SP	Description
J-6001-820-A	s	DRUM ECCENTRICITY GAUGE (3)
J-6001-830-A	s	DRUM ECCENTRICITY GAUGE (2)
J-6001-840-A	s	DRUM ECCENTRICITY GAUGE (1)
J-6087-000-A	s	DRUM ECCENTRICITY GAUGE (5)
J-6080-008-A	s	CASSETTE REFERENCE PLATE
J-6080-011-A	s	REEL TABLE TENSION GAUGE
J-6080-013-A	s	DIHEDRAL ADJUSTMENT SCREW
J-6080-570-A	s	FLATNESS PLATE
J-6150-960-A	s	REEL MOTOR SLANTNESS CHECK JIG
J-6190-800-A	s	TENSION REGULATOR SLANTNESS CHECK TOOL
Y-2031-001-0	s	CLEANING FLUID
2-034-697-00	s	CLEANING PIECE
7-732-050-01	s	TENSION SCALE (20G FULL SCALE)
7-732-050-20	s	TENSION SCALE (50G FULL SCALE)
7-732-050-30	s	TENSION SCALE (100G FULL SCALE)
7-732-050-50	s	TENSION SCALE (500G FULL SCALE)
7-723-902-00	s	INSPECTION MIRROR
8-960-097-02	s	ALIGNMENT TAPE,CR2-1
8-960-097-22	s	ALIGNMENT TAPE,CR5-1
9-911-053-00	s	THICKNESS GAUGE
Standard products		HEAD DEMAGNETIZER (HE-4)

BVW-40 (J)
BVW-40 (UC)
3-683-576-33 Volume-2

Sony Corporation

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Printed in Japan
1984. 11 11