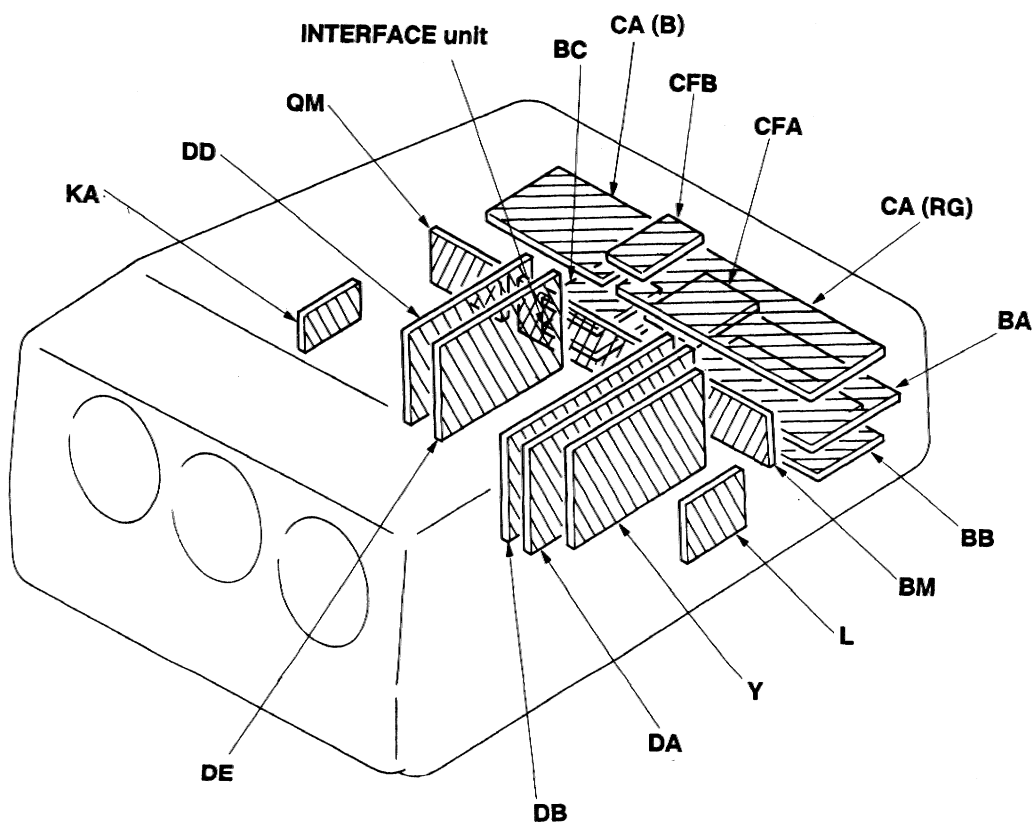
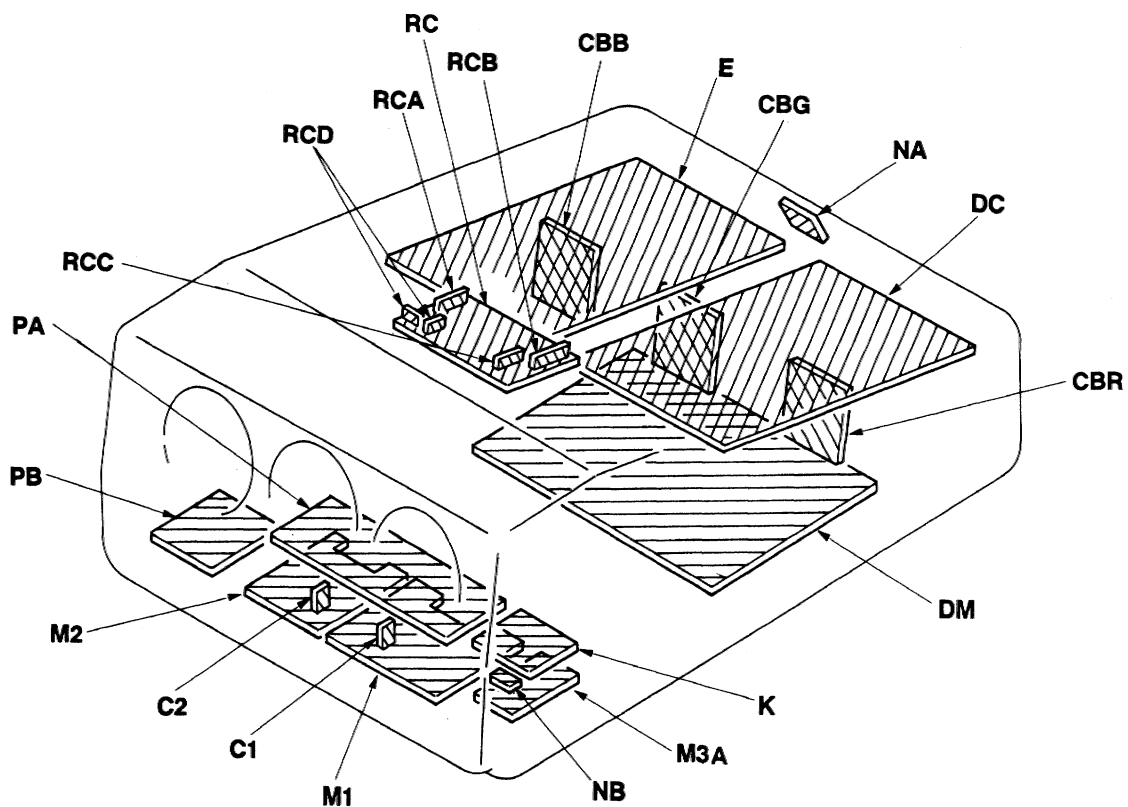


SECTION 7

DIAGRAMS

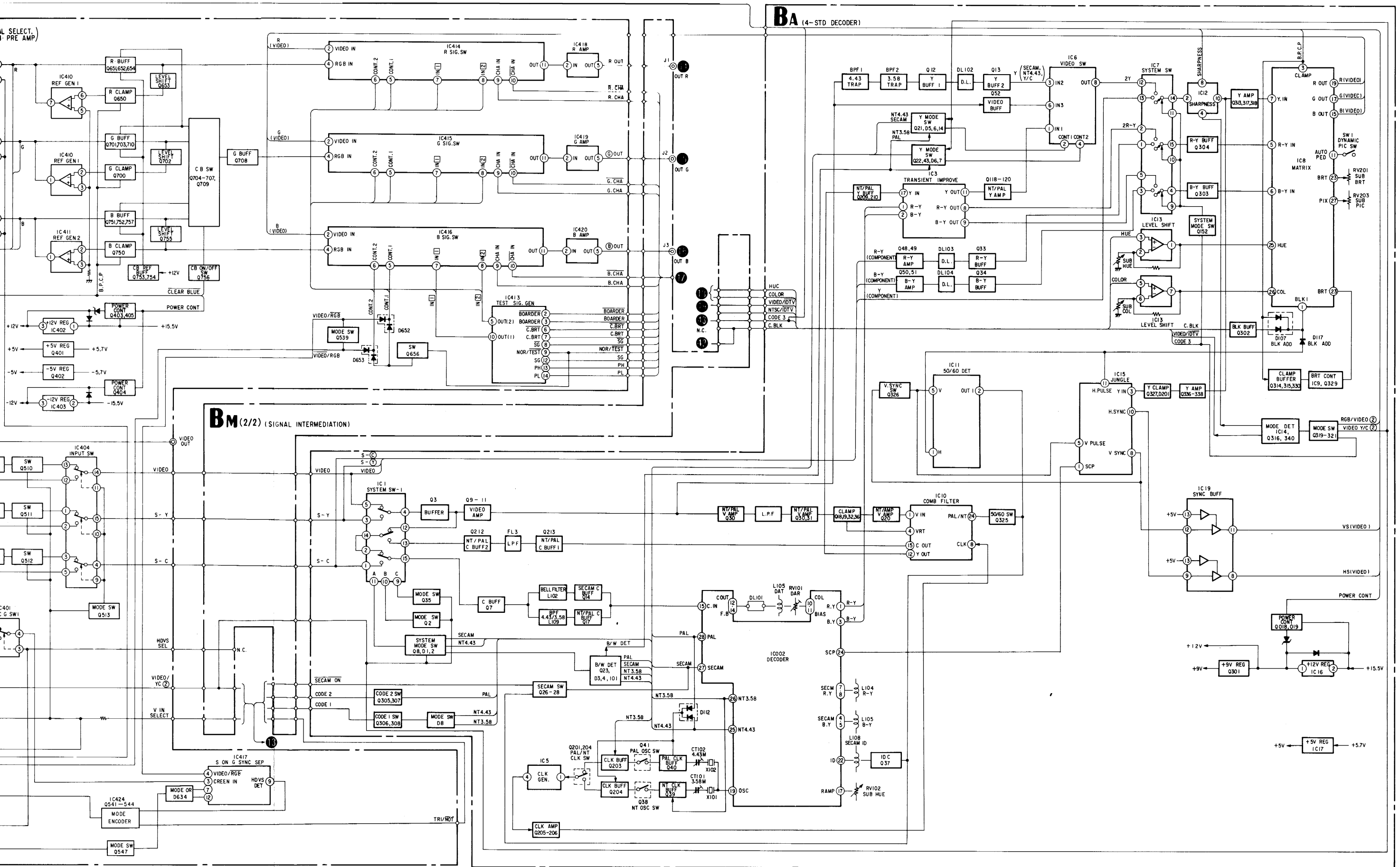
7-1. CIRCUIT BOARDS LOCATION

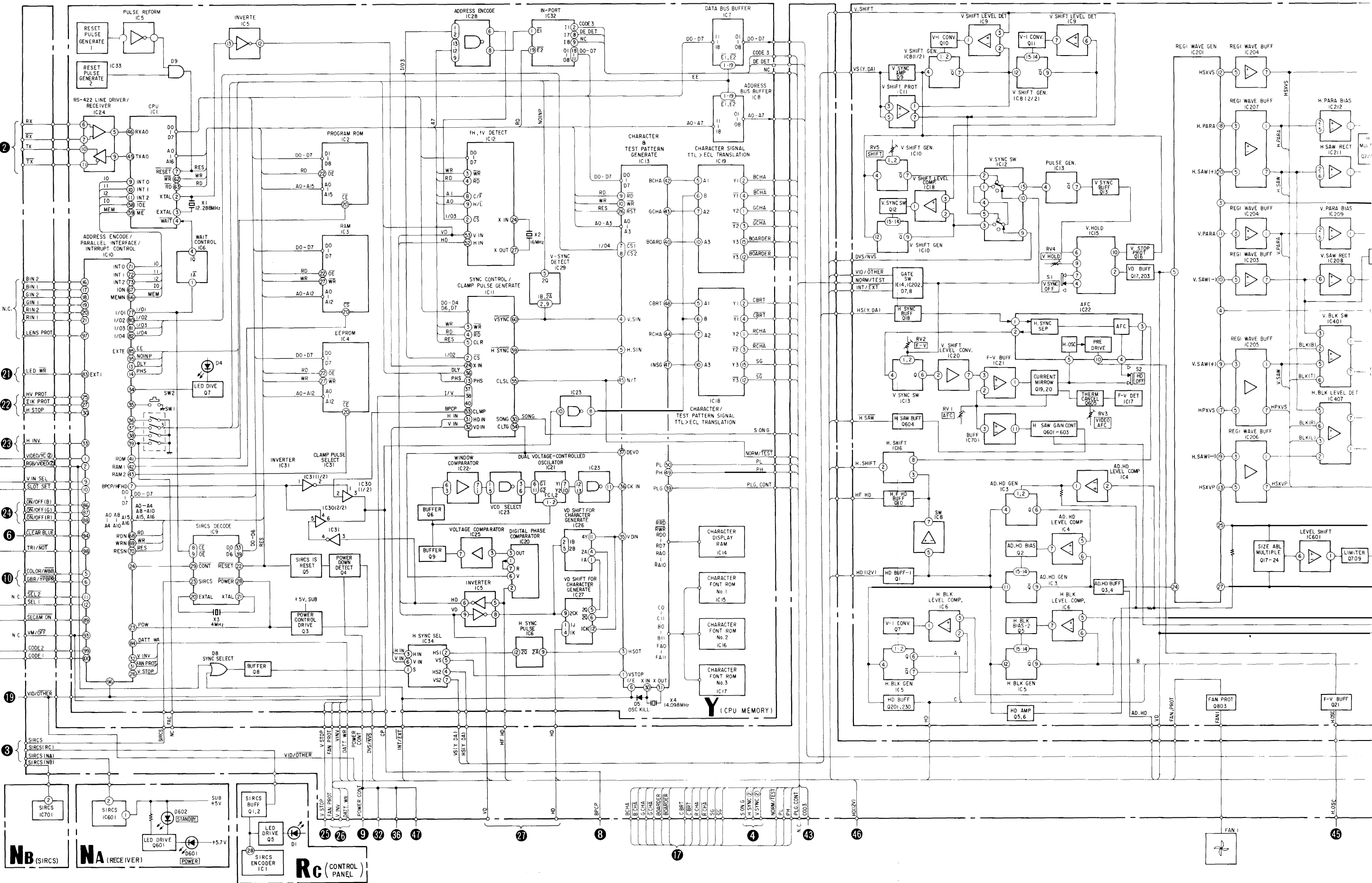


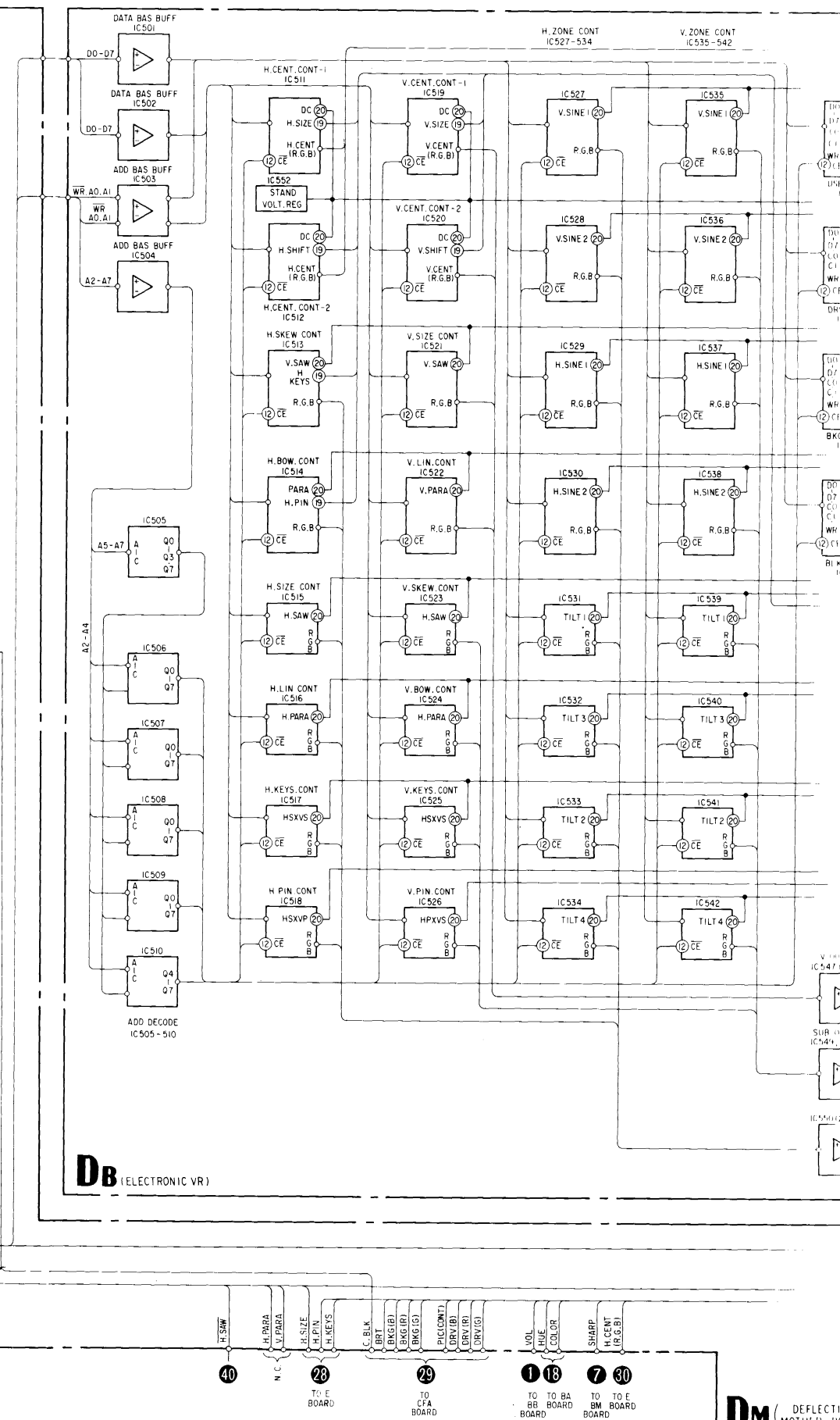
7-2. QUICK REFERENCE

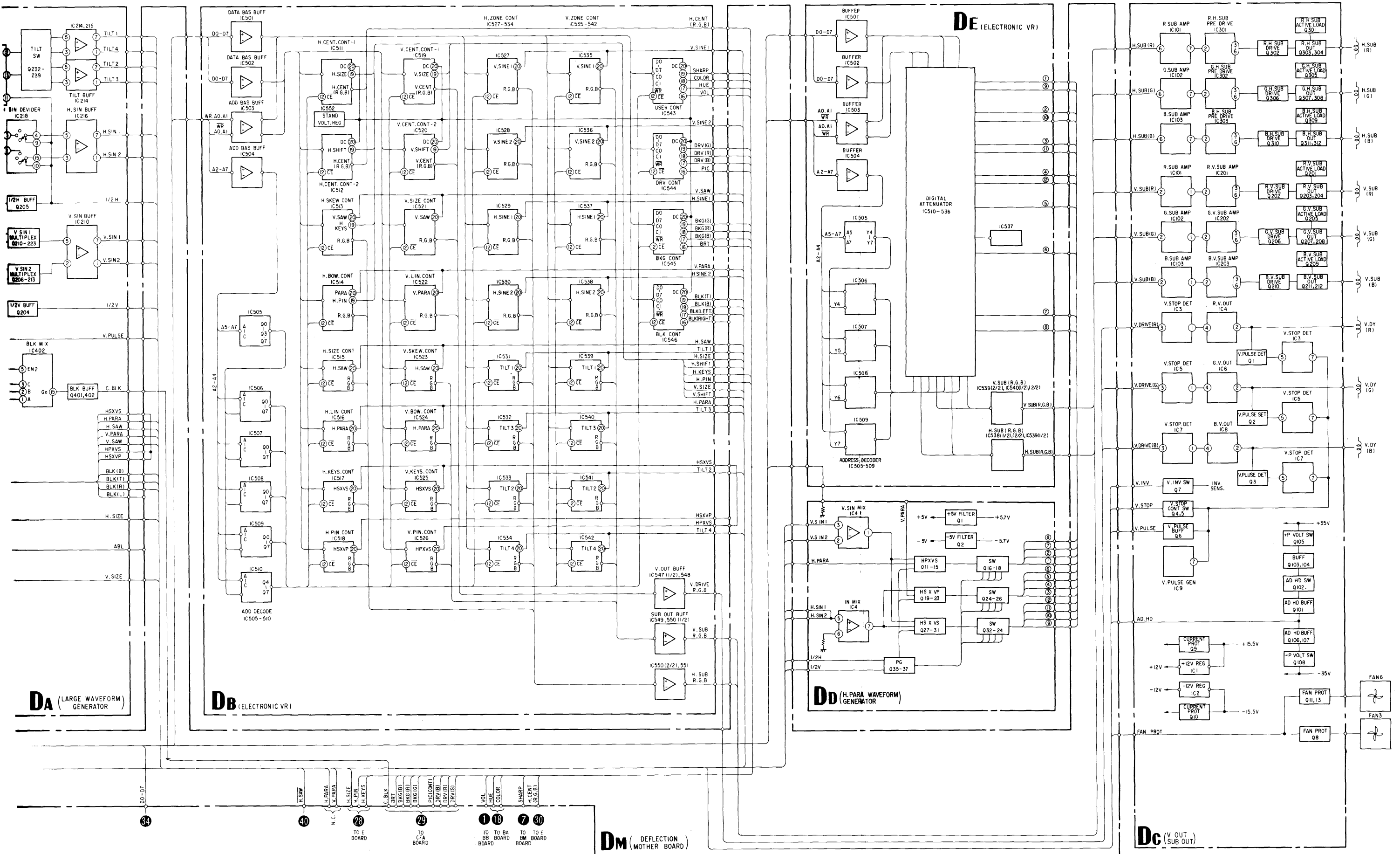
ITEM \ BOARD	BA	BB	BC	BM	QM	CA(RG)	CA(B)	CBR	CBG	CBB
CIRCUIT DESCRIPTION	125	129	197	—	—	133	133	—	—	—
ADJUSTMENT	219	—	—	—	—	—	—	—	—	—
BLOCK DIAGRAM	227	225	225	225	226	237	237	238	238	238
SCHEMATIC DIAGRAM	245	261	270	280	283	290	276	299	299	300
PRINTED WIRING BOARD	255	268	273	285	288	296	278	301	301	302
ELECTRICAL PARTS LIST	420	425	419	419	431	434	436	432	432	433
ITEM \ BOARD	CFA	CFB	DA	DB	DC	DD	DE	DM	E	K
CIRCUIT DESCRIPTION	—	—	140	149	157	151	153	—	159	182
ADJUSTMENT	—	—	221	—	—	—	—	—	221	—
BLOCK DIAGRAM	237	237	232	233	234	234	234	233	235	236
SCHEMATIC DIAGRAM	303	304	308	333	342	359	365	352	374	388
PRINTED WIRING BOARD	305	305	311	338	349	362	370	357	381	391
ELECTRICAL PARTS LIST	433	433	438	444	448	458	456	438	452	459
ITEM \ BOARD	KA	L	NA	NB	PA	PB	RC	RCA	RCB	RCC
CIRCUIT DESCRIPTION	197	199	—	—	173	—	—	—	—	—
ADJUSTMENT	—	—	—	—	—	—	—	—	—	—
BLOCK DIAGRAM	236	236	230	230	236	238	230	—	—	—
SCHEMATIC DIAGRAM	272	271	304	304	386	385	393	393	393	393
PRINTED WIRING BOARD	274	274	306	306	389	391	395	395	395	395
ELECTRICAL PARTS LIST	460	461	460	461	429	429	431	432	432	432
ITEM \ BOARD	RCD	Y	M1	M2	C1	C2	M3A			
CIRCUIT DESCRIPTION	—	183	206	206	206	206	—			
ADJUSTMENT	—	—	—	—	—	—	—			
BLOCK DIAGRAM	—	230	235	236	235	236	235			
SCHEMATIC DIAGRAM	393	319	398	404	399	405	398			
PRINTED WIRING BOARD	396	329	401	407	403	409	403			
ELECTRICAL PARTS LIST	432	461	464	466	466	468	—			

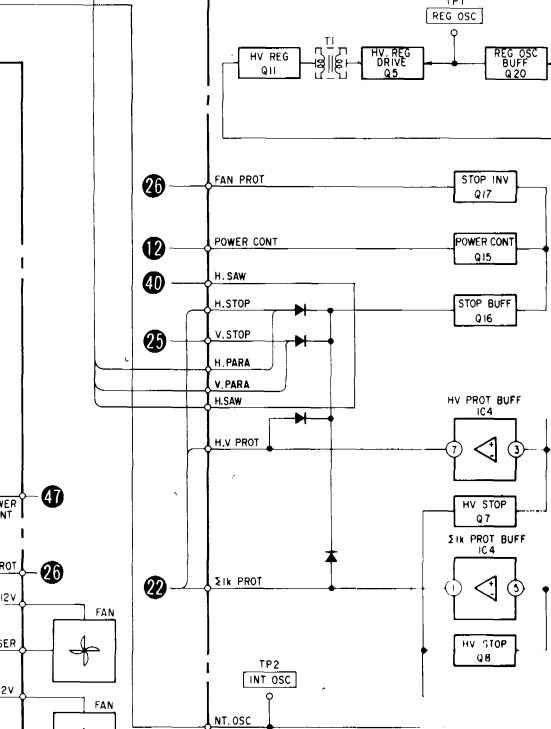
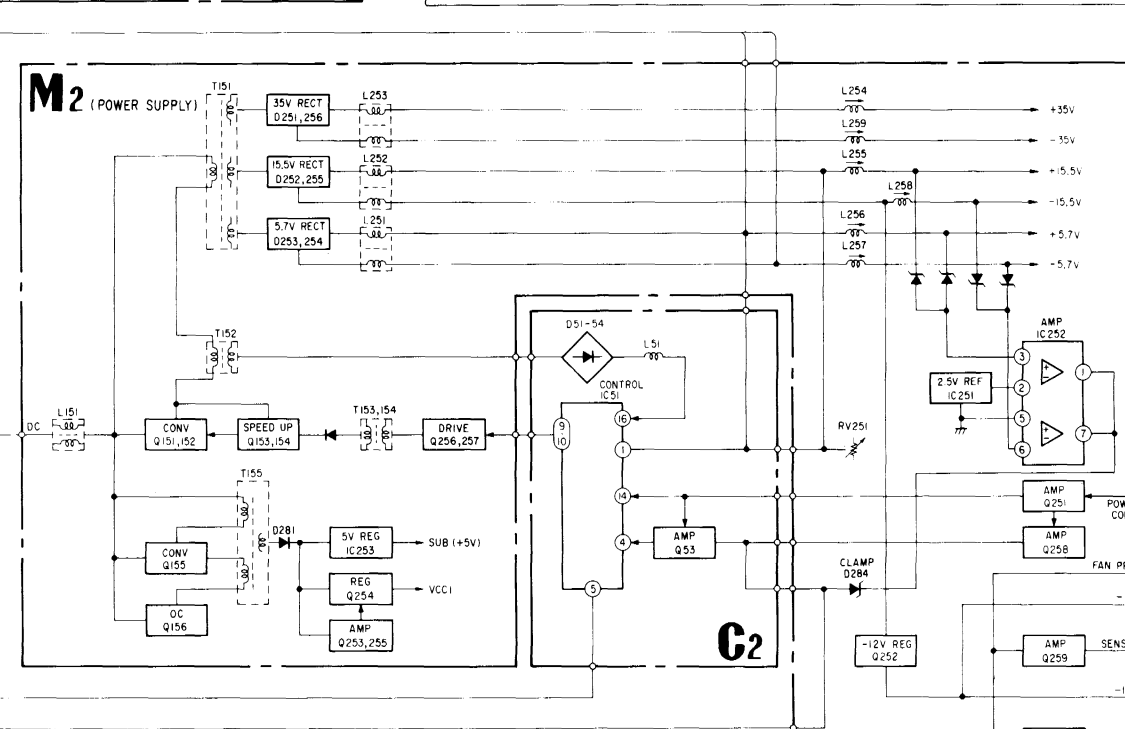
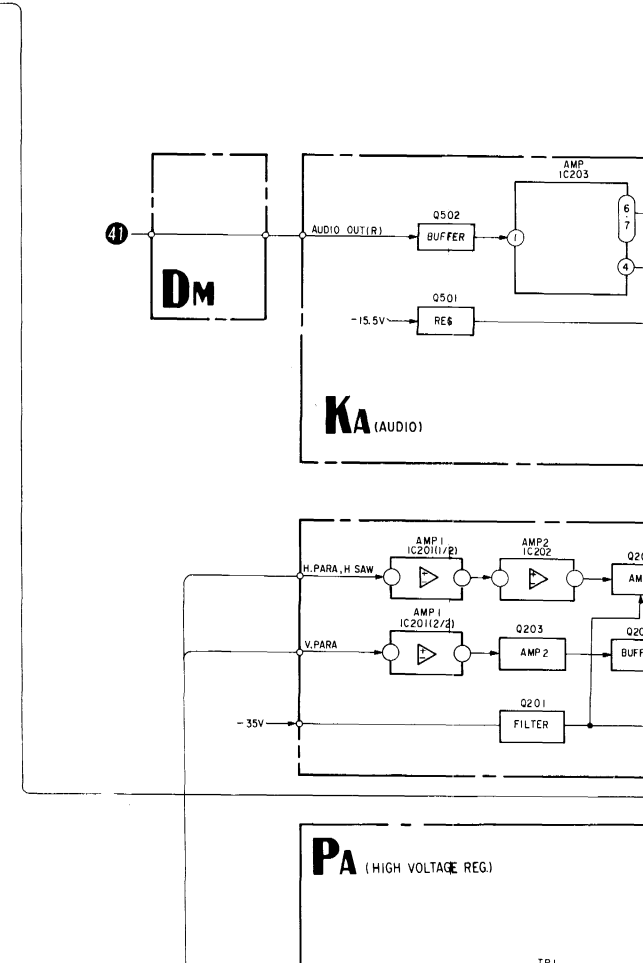
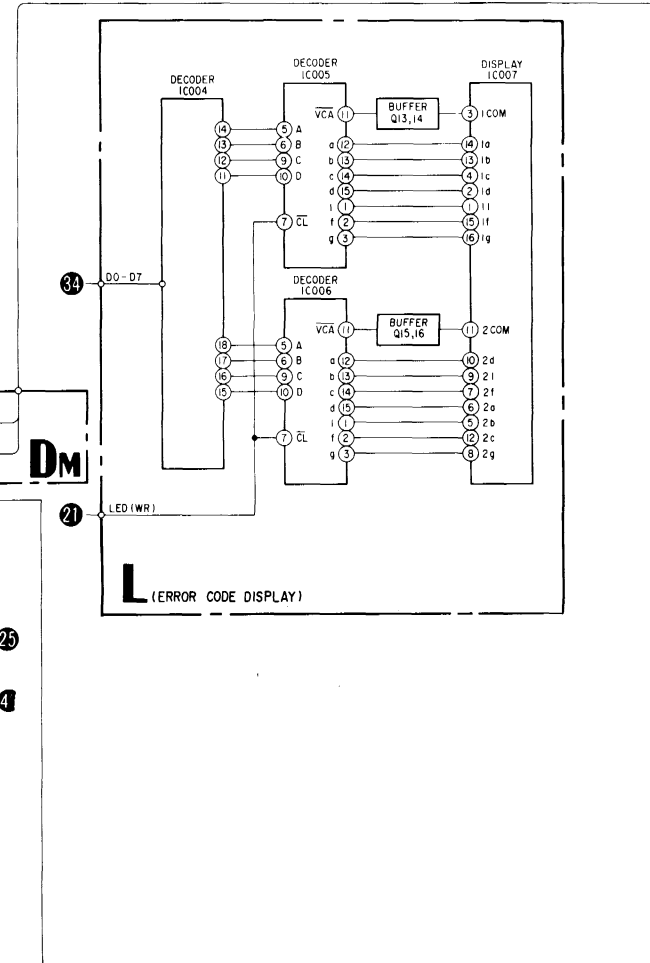
—226—

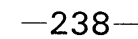






















7-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS


Note :


- All capacitors are in μF unless otherwise noted. pF : $\mu \mu F$
50WV or less are not indicated except for electrolytics.
- All electrolytics are in 50V unless otherwise specified.
- All resistors are in ohms, 1/4W in resistance; 1/10W in chip resistance.
k Ω =1000 Ω , M Ω =1000k Ω
- **METAL FILM (:RN)** resistors in 1%, 1/6W unless otherwise specified.
-  : nonflammable resistor.
-  : fusible resistor.
-  : internal component.
-  : panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by  , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by  and repeat the adjustment until the specified value is achieved.(Refer to R1, R4, R29, R30, R33, R34, R41, R42 adjust on Page 215-218.)



- Voltage value is the reference value between it & the earth, when NTSC 3.58 color bar signal is received from color bar generator (digital multi- meter used : 10M ohms/V DC).
- ☆ : Displays a list of BB, BA board modes.
(PAL, SECAM, NTSC 3.58, NTSC 4.43, S-VIDEO)
Displays a list of existing voltages, when board E has issued a white pattern of internal signals.
- Unit of voltage values is V (volt).
-  : Measurement disabled
-  : B+ line
-  : B- line
(Actual measured value may be different).
- Round numerals indicate Waveform Table No.

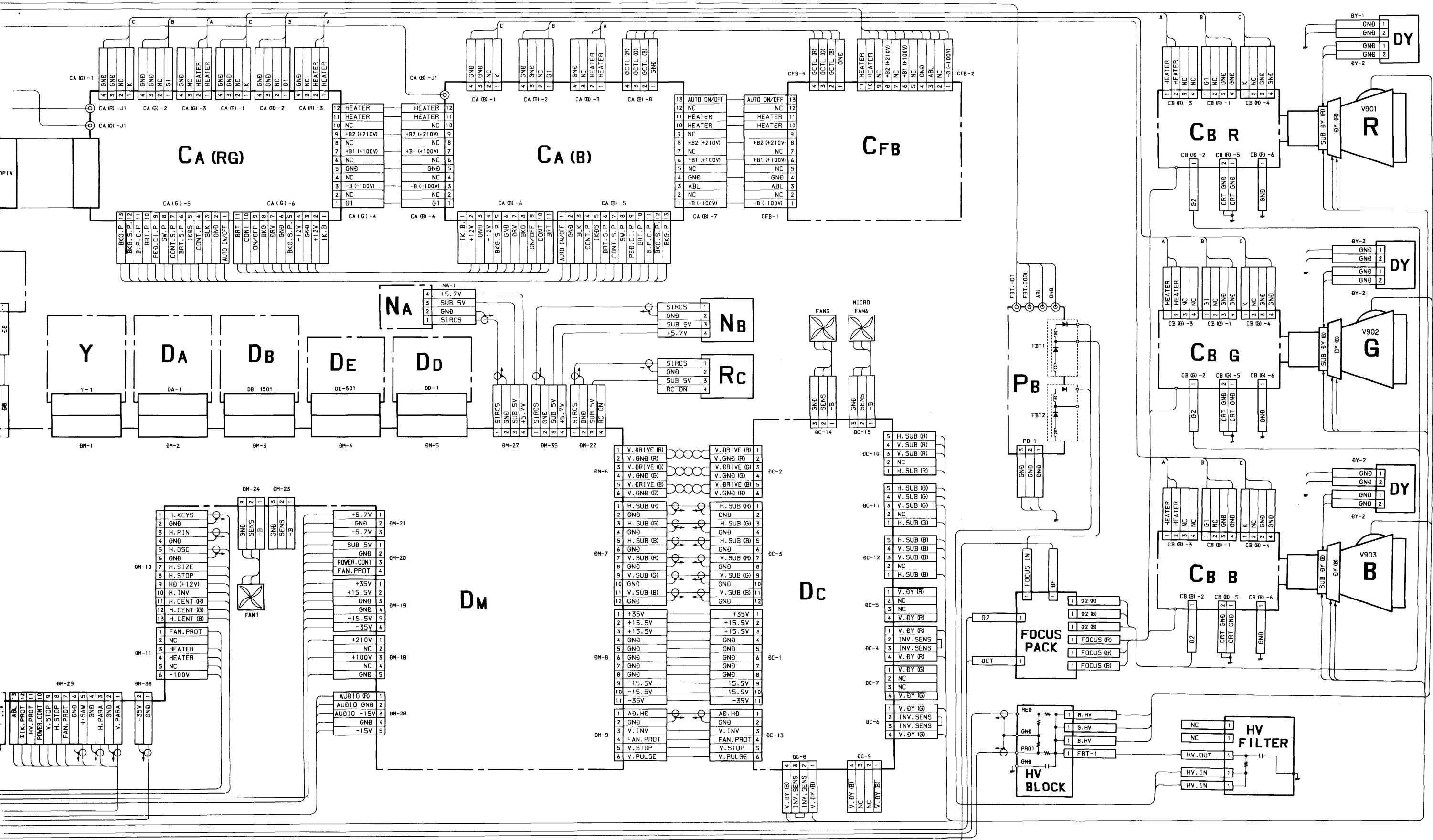
Reference information

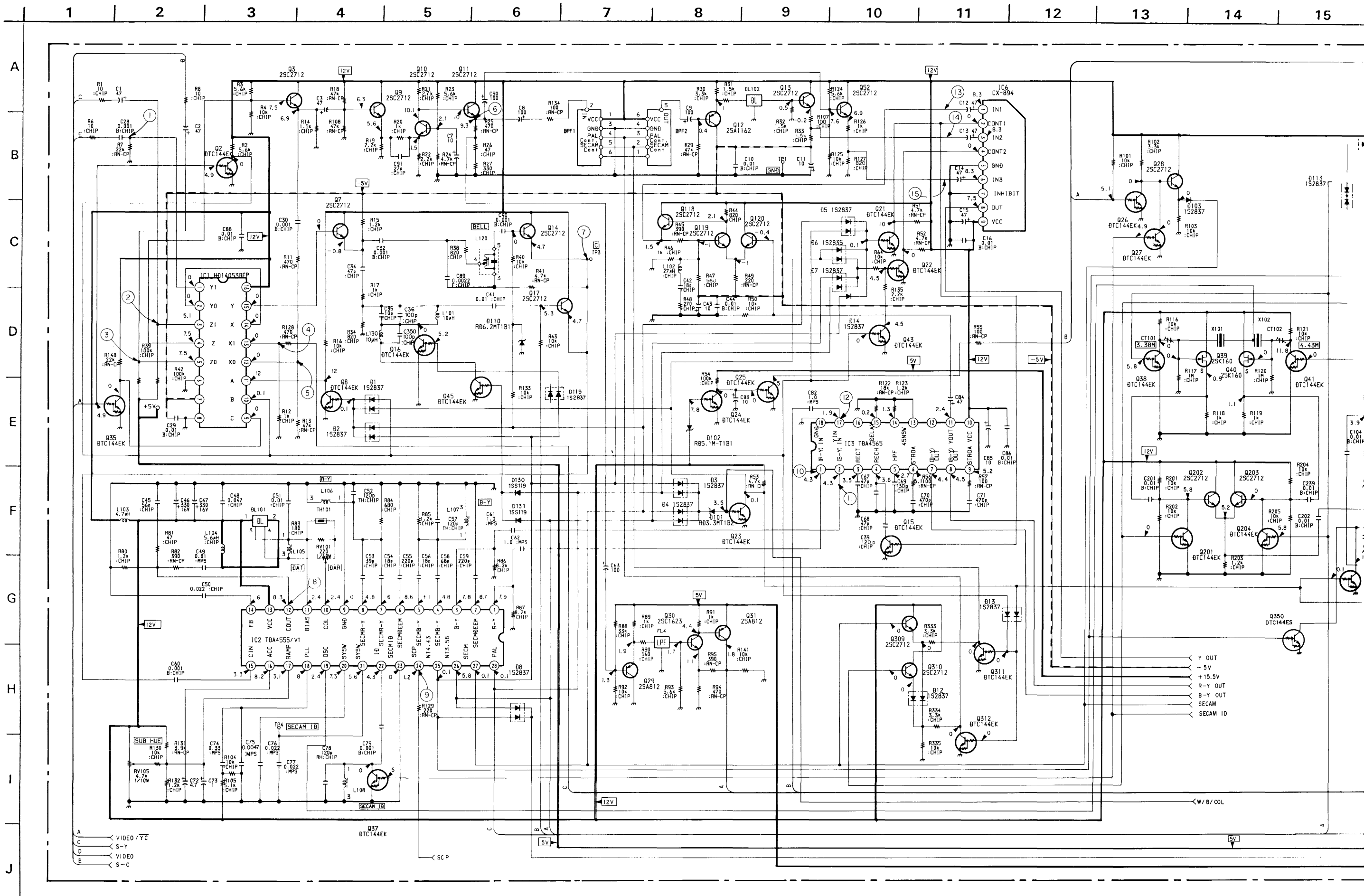
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: ※	ADJUSTMENT RESISTOR
	COIL	: LF-8L MICRO INDUCTOR
	CAPACITOR	: TA TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

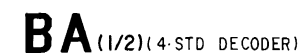
Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et par une marque  sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

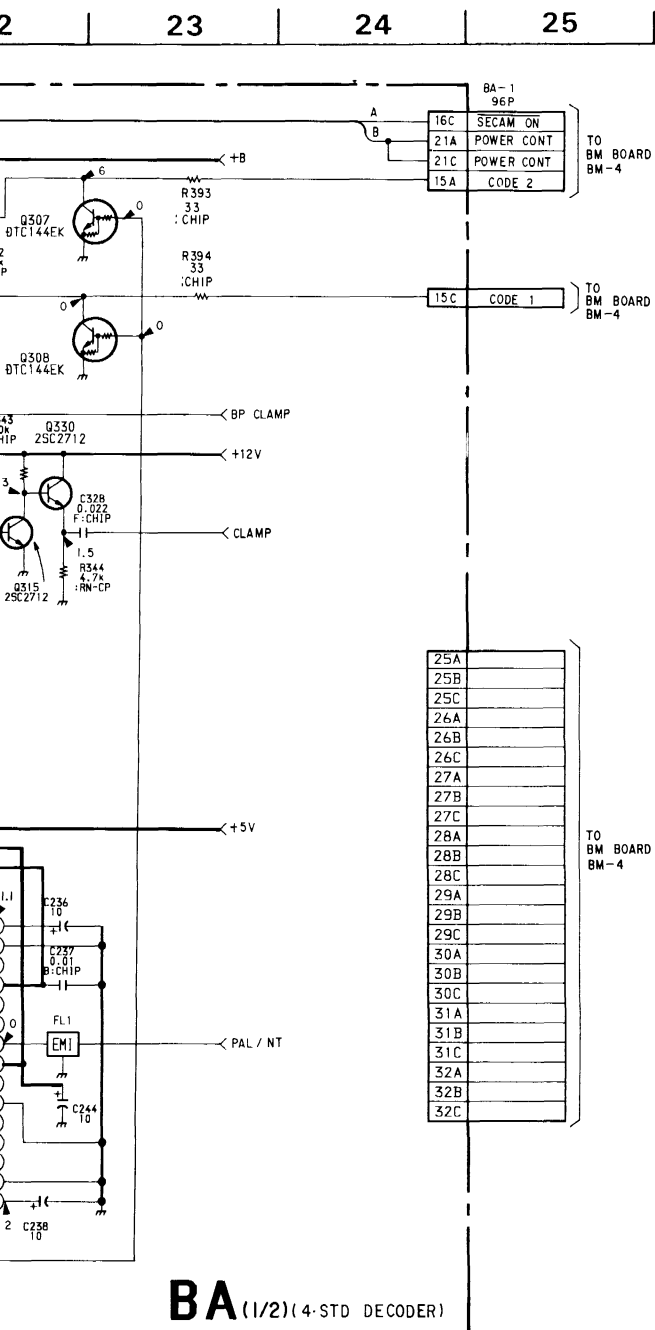
Part replaced ()	Adjustment ()
IC2, Q7, D9, D12, C13, R20, R21, R22, R23, R24, R32, R33, R34, R35, R36, R82, (PA BOARD) PA MOUNT HV BLOCK	HV HOLD DOWN (R33, R34)
IC1, IC6, IC7, IC8, IC9, D13, C16, R37, R38, R39, R40, R41, R42, R53, R55, R56, R58, R59, R129, X1, (PA BOARD) R733 (DA BOARD) PA MOUNT, PB MOUNT HV BLOCK	HV REGULATION (R41, R42)
IC2, IC3, IC5, Q1, Q2, Q7, Q8, D4, D5, D9, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R20, R21, R22, R23, R24, R43, R44, R45, R46, R47, R82, R88, R119, R120, R121, R122, (PA BOARD) R733 (DA BOARD) PA MOUNT, PB MOUNT	BEAM CURRENT PROTECTOR (R1, R4)
IC1, IC3, IC5, Q8, D4, D5, D10, D11, R9, R10, R26, R28, R29, R30, R31, R88, R95 (PA BOARD) PA MOUNT	LOW B PROTECTOR (R29, R30)







REF	
Q7	B
	C
	E
Q8	B
	C
	E
Q16	B
	C
	E
Q17	B
	C
	E
Q21	B
	C
	E
Q22	B
	C
	E
Q27	B
	C
	E
Q37	B
	C
	E
Q38	B
	C
	E
Q41	B
	C
	E
Q43	B
	C
	E
Q201	B
	C
	E



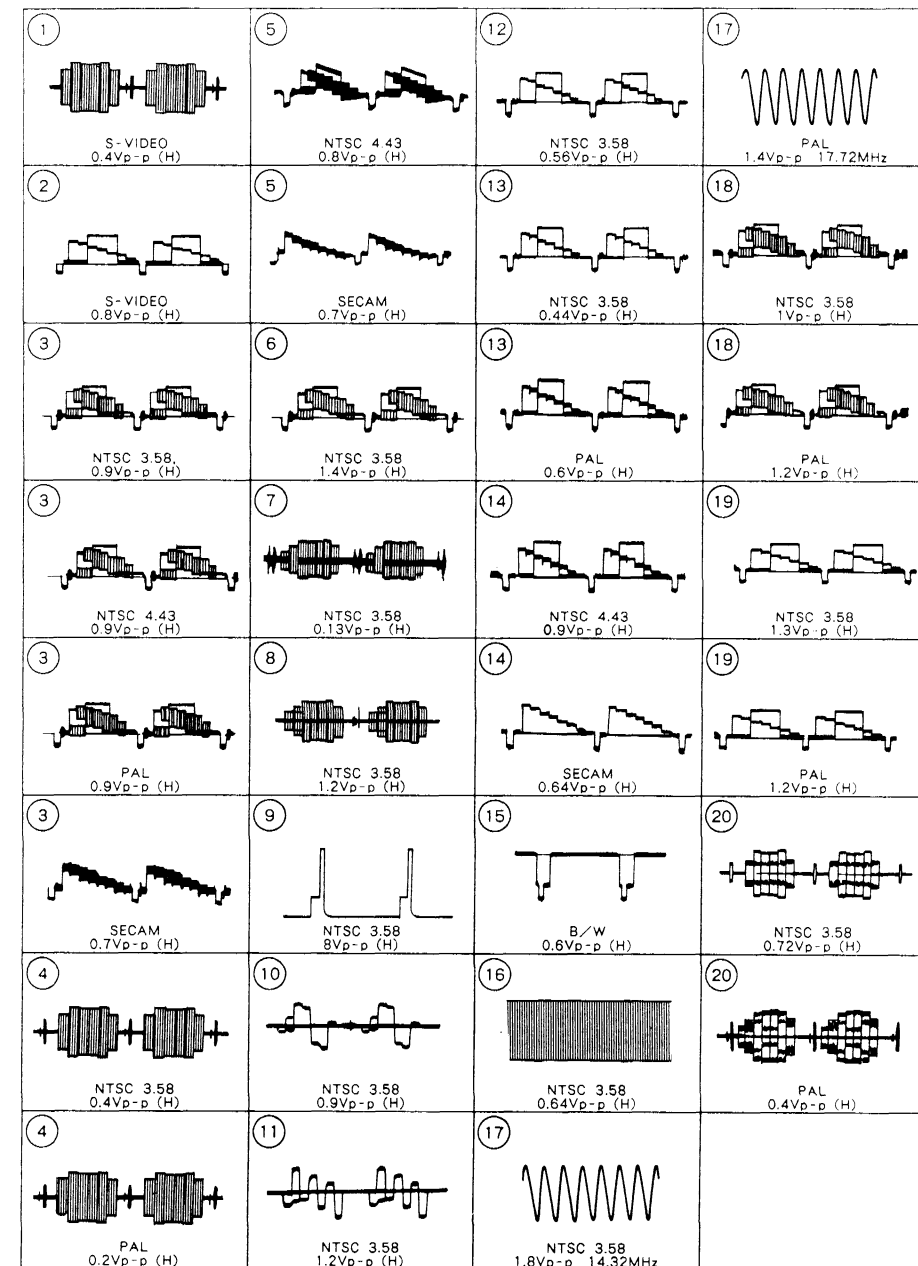
IC1	HD14053BFP	SYSTEM SW-1	202	2SC2712	CLK BUFF-3
2	TDA4555/V1	DECODER	203	2SC2712	CLK BUFF-4
3	TDA4565	TRANSIENT	204	DTC144EK	PAL CLK SW
5	NJM2228M	CLK GEN	205	2SC1623	CLK AMP-1
6	CX-894	VIDEO AMP	206	2SC1623	CLK AMP-2
10	SBX1692-01	COMB FILTER	207	2SC1623	CLK AMP-3
			208	DTC144EK	GEN SW
Q2	DTC144EK	MODE SW-1	209	2SC2712	NT/PAL Y BUFF-2
3	2SC2712	VIDEO BUFF-1	210	2SA812	NT/PAL Y BUFF-1
7	2SC2712	C BUFF	212	2SC1712	NT/PAL C BUFF-2
8	DTC144EK	MODE SW-1	213	2SA812	NT/PAL C BUFF-1
9	2SC2712	VIDEO AMP-1	305	DTC144EK	CODE 2 SW-1
10	2SC2712	VIDEO AMP-2	306	DTC144EK	CODE 1 SW-1
11	2SC2712	VIDEO AMP-3	307	DTC144EK	CODE SW-2
12	2SA1162	Y BUFF-1	308	DTC144EK	CODE SW-2
13	2SC2712	Y BUFF-2	309	2SC2712	NT3.58 SW
14	2SC2712	SECAM C BUFF	310	2SC2712	NT4.43 SW
15	DTC144EK	MODE SW-10	311	DTC144EK	TRAP SW
16	DTC144EK	C FILTER SW	312	DTC144EK	TRAP SW
17	2SC2712	NT/PAL C BUFF	314	2SC2712	CLAMP BUFF-1
18	2SC1623	CLAMP-4	315	2SC2712	CLAMP BUFF-2
19	2SC1623	CLAMP-6	330	2SC2712	CLAMP BUFF-3
20	2SC1623	NT/PAL VIDEO BUFF	350	DTC144ES	GEN SW
21	DTC144EK	Y MODE SW-6			
22	DTC144EK	Y MODE SW-7	D1	1S2837	SYSTEM DET-1
23	DTC144EK	B/W SW-4	2	1S2837	SYSTEM DET-2
24	DTC144EK	POWER CONT-1	3	1S2837	B/W SW-1
25	DTC144EK	POWER CONT-2	4	1S2837	B/W SW-2
26	DTC144EK	SECAM SW-1	5	1S2837	Y MODE SW-1
27	DTC144EK	SECAM SW-2	6	1S2835	Y MODE SW-2
28	2SC2712	SECAM SW-3	7	1S2837	Y MODE SW-3
29	2SA812	NT/PAL VIDEO	8	1S2837	MODE SW-3
30	2SC1623	NT/PAL VIDEO AMP-1	9	1S2837	CLAMP-3
31	2SA812	NT/PAL VIDEO AMP-2	10	1S2837	CLAMP-2
32	2SA812	CLAMP-5	11	1SS123	CLAMP-1
35	DTC144EK	MODE SW-2	12	1S2837	NT3.58 DET
36	2SA812	CLAMP	13	1S2837	MODE SW-11
37	DTC144EK	ID	14	1S2837	Y MODE SW-4
38	DTC144EK	NT OSC SW	101	RD3.3M-B2	B/W SW-3
39	2SK180	NT CLK BUFF-1	102	RD5.1M-B2	POWER CONT
40	2SK180	PAL CLK BUFF-2	103	1S2837	SECAM SW-4
41	DTC144EK	PAL OSC SW	110	RD6.2M-B1	SECAM SW
43	DTC144EK	Y MODE SW-5	112	1S2837	MODE SW-4
45	DTC144EK	C FILTER SW	113	1S2837	MODE SW-5
52	2SC2712	VIDEO BUFF-2	118	1S2835	MODE SW-6
118	2SC2712	NT/PAL Y AMP-3	119	1S2837	C FILTER SW
119	2SC2712	NT/PAL Y AMP-1	130	1SS119	C FILTER SW
120	2SC2712	NT/PAL Y AMP-2	131	1SS119	C FILTER SW
201	DTC144EK	NT CLK SW			

BA BOARD (1/2)

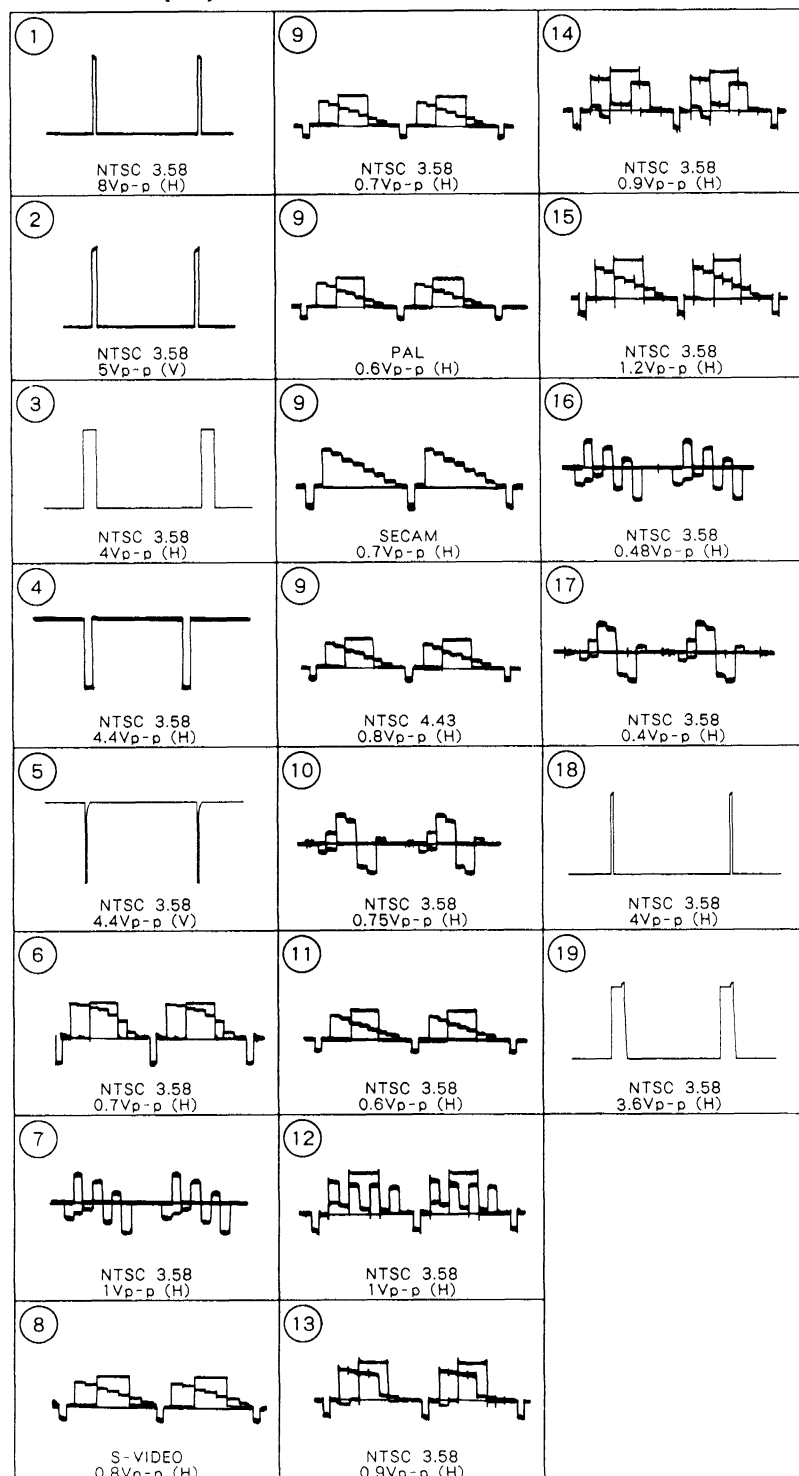
REF	Pin No.	NTSC 3.58	PAL	SECAM	NTSC 4.43
IC1	②	0	0	-0.7	-0.7
	⑪	12	12	0	0
	⑫	0	0	-0.7	-0.7
	⑭	0	0	-0.7	-0.7
	⑮	0	0	-0.7	-0.7
IC2	⑤	6.1	5.8	4.2	7.6
	⑦	6	5.5	4.2	7.3
	⑨	2.4	2.4	5.6	2.4
	⑩	7.5	5.7	5.7	7.5
	⑪	5.6	7.7	6.8	5.6
	⑫	0.1	0.1	0.1	5.8
	⑬	5.8	0.1	0.1	0.1
	⑭	0.1	0.1	5.8	0.1
	⑮	0.1	5.8	0.1	0.1
	⑯	10	0	0	10
IO6	④	0	10	10	0
IC10	②	0	3.6	3.6	0

REF	NTSC 3.58	PAL	SECAM	NTSC 4.43	REF	NTSC 3.58	PAL	SECAM	NTSC 4.43
Q7	B 0	0	-0.8	-0.8	Q202	B 5.8	0	5.8	0
	C -	-	-	-		C -	-	-	-
	E -0.8	-0.8	-1.4	-1.4		E 5.2	5.1	5.2	5.1
Q8	B 0.1	0.1	5.3	5.3	Q203	B 0	5.8	5.8	5.8
	C 12	12	0	0		C -	-	-	-
	E -	-	-	-		E 5.2	5.1	5.2	5.1
Q16	B 5.2	0.2	0.2	5.2	Q204	B 5.8	0	0	0
	C 0	3.5	1.5	0		C 0	5.8	5.8	5.8
	E -	-	-	-		E -	-	-	-
Q17	B 5.3	5.3	0.2	5.3	Q305	B 0.1	5.8	0.1	5.3
	C 4.7	4.7	5	4.7		C 6	0	6	6
	E -	-	-	-		E -	-	-	-
Q21	B 0.1	0.1	5.3	5.3	Q306	B 5.3	0.1	0.1	5.3
	C 0	0	0	0		C 0	6	6	0
	E -	-	-	-		E -	-	-	-
Q22	B 4.5	4.5	0.5	0.5	Q307	B 0	0	0	0
	C 0	0	10	10		C 6	0	6	6
	E -	-	-	-		E -	-	-	-
Q27	B 4.9	0	0	4.9	Q308	B 0	0	0	0
	C 0	0	0	0		C 0	6	6	6
	E -	-	-	-		E -	-	-	-
Q37	B 5	0	0	5	Q309	B 0	0	5.7	0
	C 0	0	0	0		C -	-	-	-
	E -	-	-	-		E 0	0	5.1	0
Q38	B 5.7	0	0	0	Q310	B 0	5.1	0	5.1
	C 0	11.7	11.7	11.7		C -	-	-	-
	E -	-	-	-		E 0	4.5	1.4	4.5
Q41	B 0	5.9	0	5.1	Q311	B 0	0.5	0.2	0.5
	C 11.8	0	11.8	0		C 0	0	3.8	2.8
	E -	-	-	-		E -	-	-	-
Q43	B 0	0	0	0	Q312	B 0	0.5	0.2	0.5
	C 4.5	4.5	0.5	0.5		C 0	2.8	3.2	2.8
	E -	-	-	-		E -	-	-	-
Q201	B 0	5.2	0	5.2					
	C 5.8	0	5.8	0					
	E -	-	-	-					

BA BOARD (1/2)



BA BOARD (2/2)

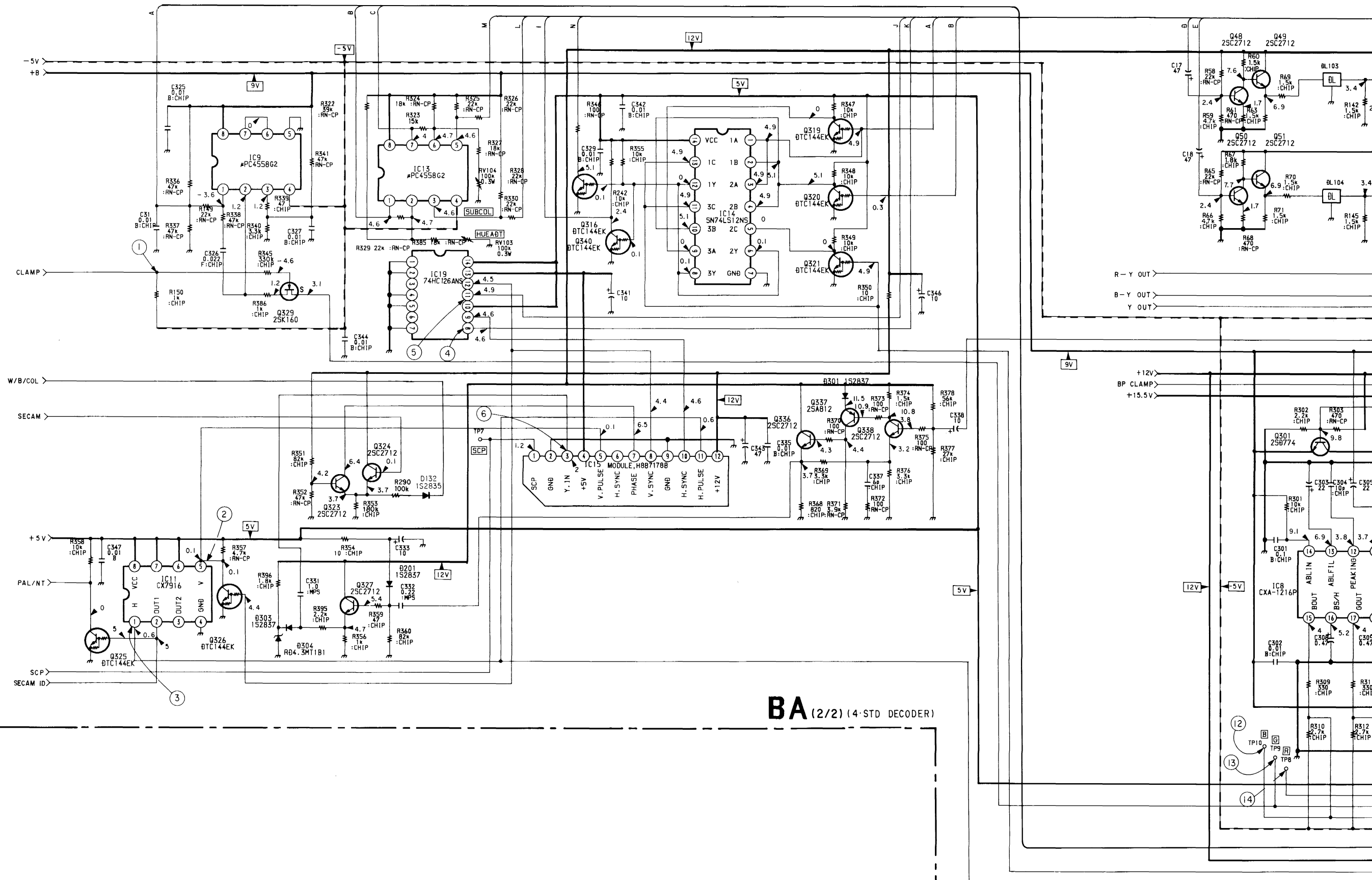


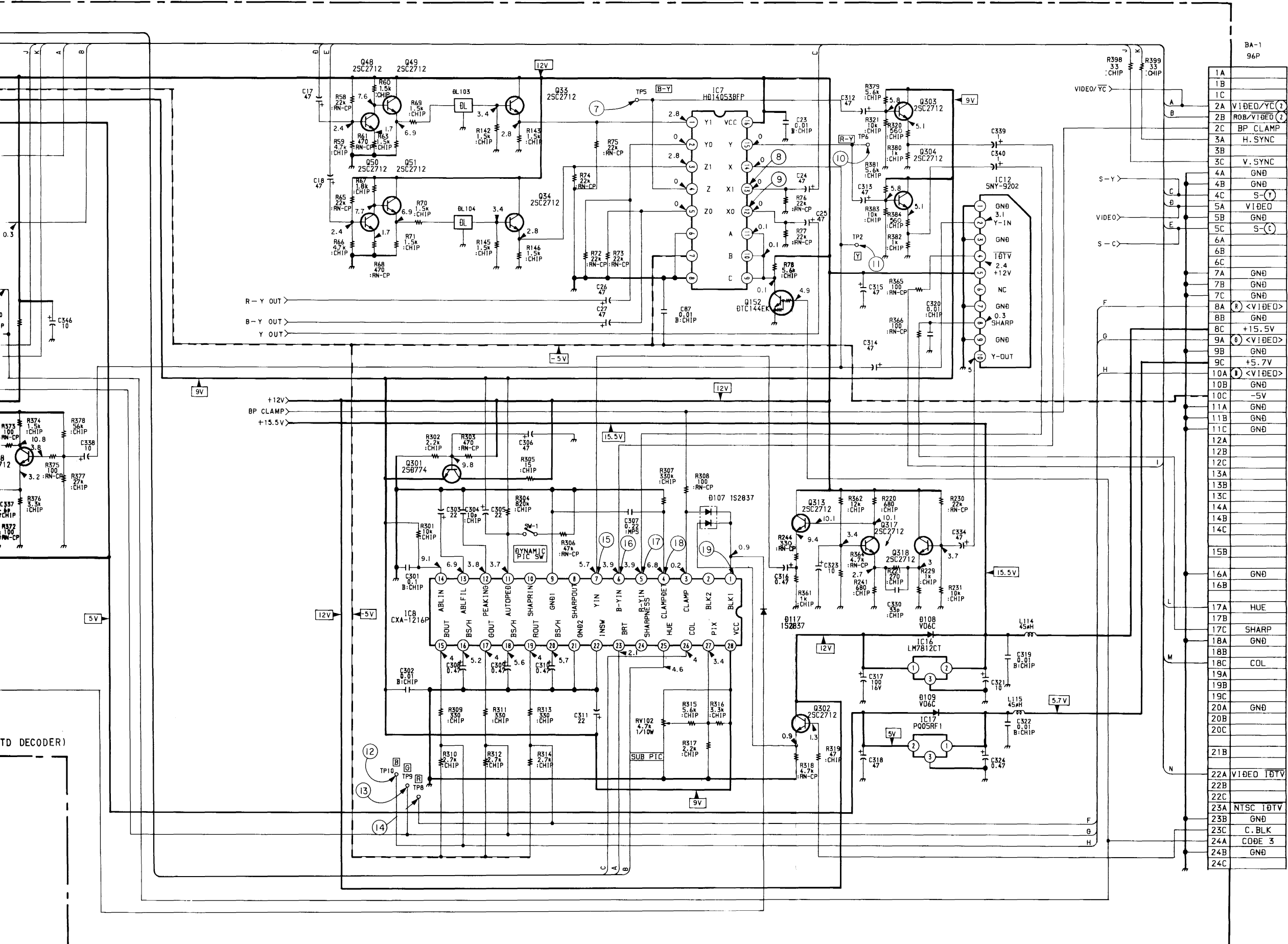
IC7	HD14053BFP	SYSTEM SW-2
8	CXA1216P	MATRIX
9	μ PC4558G2	BRT CONT-2
11	CX-7916	50/60 DET
12	SNY-9202	SHARPNESS
13	μ PC4558G2	LEVEL SHIFT-1
14	SN74LS12NS	MODE DET
15	H8B7178B	JUNGLE
16	LM7812CT	12V REG
17	PQ05RF1	5V REG
19	SN74HC126ANS	SYNC BUFF
Q33	2SC2712	R-Y BUFF-1
34	2SC2712	B-Y BUFF-1
48	2SC2712	R-Y AMP-1
49	2SC2712	R-Y AMP-2
50	2SC2712	B-Y AMP-1
51	2SC2712	B-Y AMP-2
152	DTC144EK	SYSTEM MODE SW-2
301	2SD774	9V REG
302	2SC2712	BLK BUFF-1
303	2SC2712	B-Y BUFF-2
304	2SC2712	R-Y BUFF-2
313	2SC2712	Y AMP-3
317	2SC2712	Y AMP-2
318	2SC2712	Y AMP
319	DTC144EK	MODE SW-7
320	DTC144EK	MODE SW-8
321	DTC144EK	MODE SW-9
323	2SC2712	REF DC BUFF
324	2SC2712	BGP SHIFT
325	DTC144EK	50/60 SW
326	DTC144EK	V SYNC SW
327	2SC2712	Y CLAMP-2
329	2SK160	BRT CONT-1
336	2SC2712	Y AMP-6
337	2SA812	Y AMP-5
338	2SC2712	Y AMP-4
340	DTC144EK	MODE DET
D107	1S2837	BLK ADD-2
108	V06C	+12V PROT
109	V06C	+5V PROT
117	1S2837	BLK ADD-1
132	1S2835	
201	1S2837	Y CLAMP-1
301	1S2837	LEVEL SHIFT-2
303	1S2837	Y LEVEL ADJ-2
304	RD4.3M-B1	Y LEVEL ADJ-1

BA BOARD (2/2)

REF	Pin No.	NTSC 3.58	PAL	SECAM	NTSC 4.43
IC11	②	5	0	0	5

REF	NTSC 3.58	PAL	SECAM	NTSC 4.43
Q325	B 5	0	0	5
	C 0	3.6	3.6	0
	E -	-	-	-





BA

[4-STD DECODER]

BA BOARD
(COMPONENT SIDE)

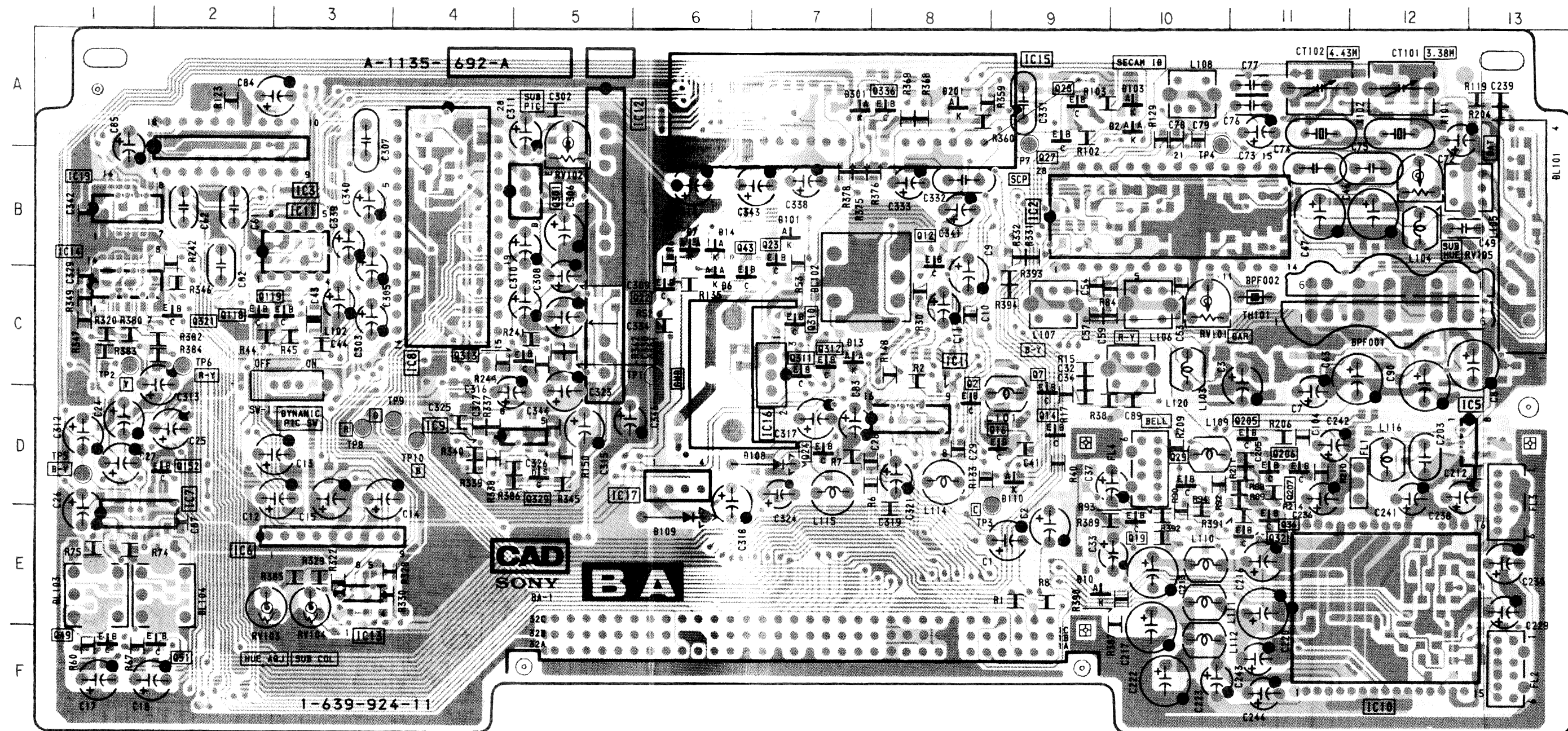
- BA BAORD -
-COMPONENT SIDE -

IC	
IC1	D-8
IC2	B-9
IC3	B-3
IC5	D-13
IC6	E-3
IC7	E-1
IC8	B-4
IC9	D-4
IC10	F-12
IC11	B-3
IC12	B-5
IC13	E-3
IC14	C-1
IC15	A-7
IC16	D-7
IC17	D-6
IC19	B-1

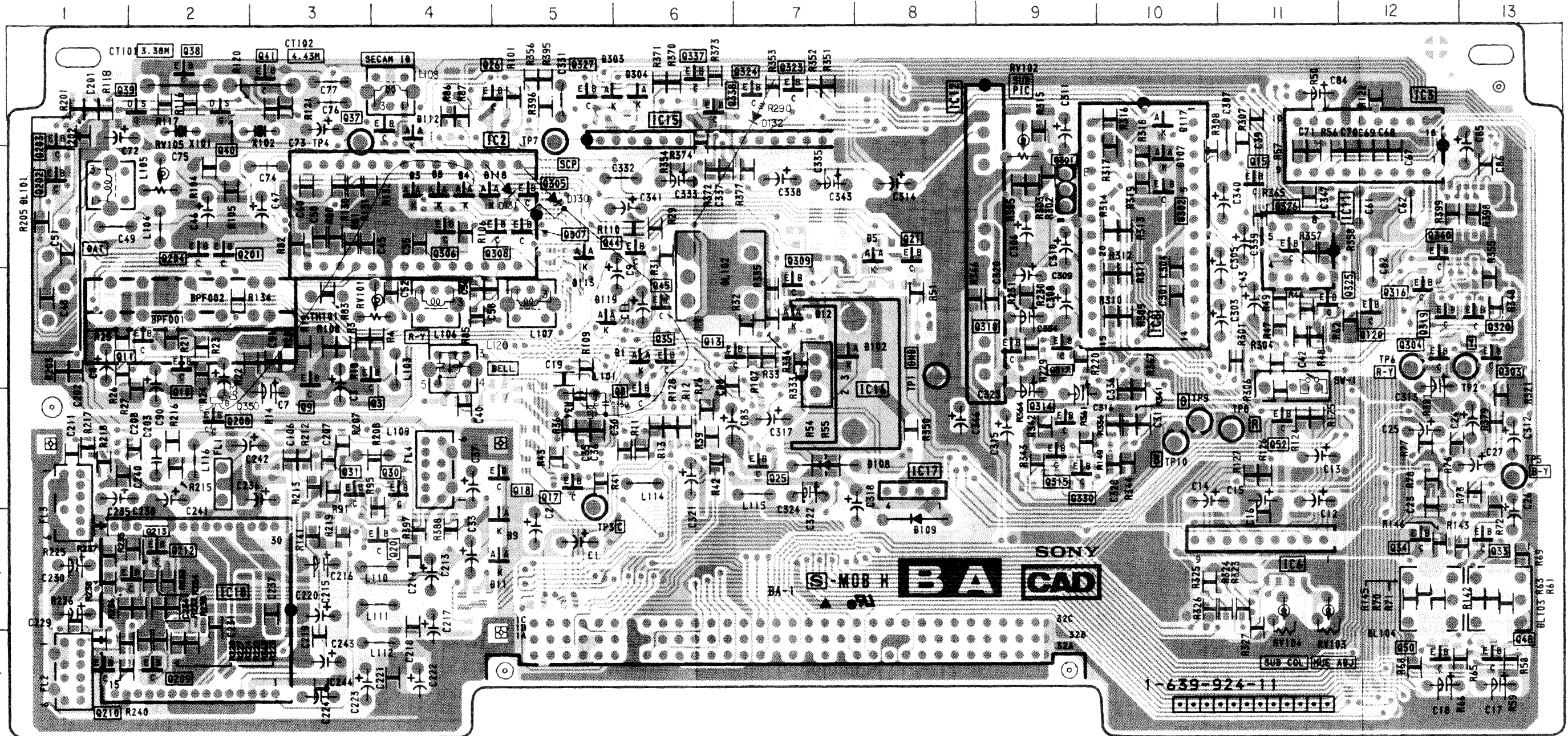
TRANSISTOR	
Q2	D-8
Q7	D-9
Q12	B-8
Q14	D-9
Q16	D-9
Q19	E-10
Q22	C-6
Q23	B-7
Q24	D-7
Q27	A-9
Q28	A-9
Q29	D-10
Q32	E-11
Q36	E-11
Q43	C-6
Q49	F-1
Q51	F-1
Q118	C-2
Q119	C-3
Q152	D-2
Q205	D-11
Q206	D-11
Q207	D-11
Q301	B-5
Q310	C-7
Q311	C-7
Q312	C-7
Q313	C-5
Q321	C-2
Q329	D-5
Q336	A-8

DIODE	
D2	A-10
D6	C-6
D7	B-6
D10	E-9
D13	C-7
D14	B-6
D101	B-7
D103	A-10
D108	D-7
D109	E-6
D110	D-9
D201	A-8
D301	A-7

VARIABLE RESISTOR	
CT101	A-12
CT102	A-11
RV101	C-10
RV102	B-5
RV103	E-2
RV104	E-4
RV105	B-12



- BA BOARD -
- CONDUCTOR SIDE -



NOTE: (C3, 8, 37, 90, 230, 334, 339, 340)
The polarities of the capacitors above are mounted reversely
for silk-screen printing.

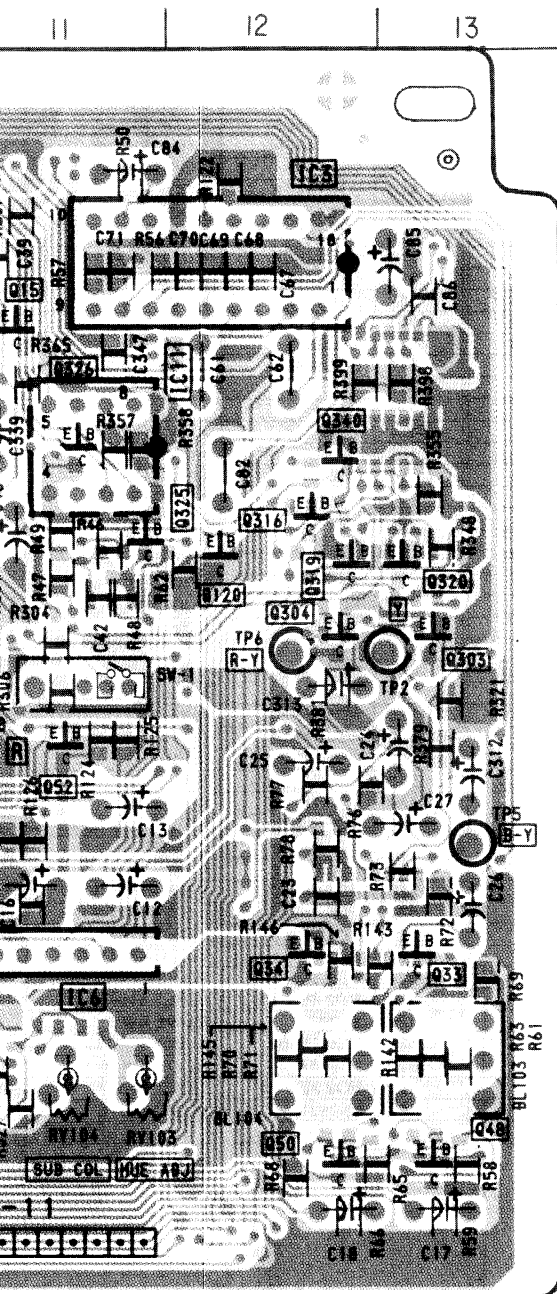
- Pattern from the side which enables seeing.
- Pattern of the rear side.

BA BOARD
(CONDUCTOR SIDE)

IC	
IC2	IN
IC3	IN
IC6	IN
IC8	IN
IC10	IN
IC11	IN
IC12	IN
IC15	IN
IC16	IN
IC17	IN

TRANSISTOR

Q	
Q3	IN
Q8	IN
Q9	IN
Q10	IN
Q11	IN
Q13	IN
Q15	IN
Q17	IN
Q18	IN
Q20	IN
Q21	IN
Q25	IN
Q26	IN
Q30	IN
Q31	IN
Q33	IN
Q34	IN
Q35	IN
Q37	IN
Q38	IN
Q39	IN
Q40	IN
Q41	IN
Q45	IN
Q48	IN
Q50	IN
Q52	IN
Q120	IN
Q201	IN
Q202	IN
Q203	IN
Q204	IN
Q208	IN
Q209	IN
Q210	IN
Q212	IN
Q213	IN
Q301	IN
Q302	IN
Q303	IN
Q304	IN

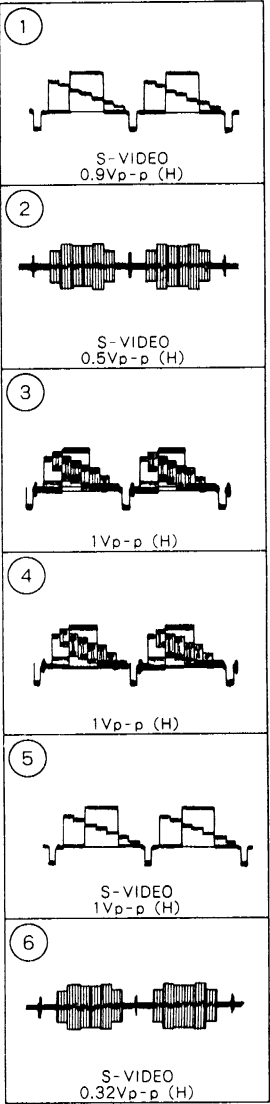


BA BOARD (CONDUCTOR SIDE)

IC		Q305	B-5
IC2		Q306	B-4
IC3		Q307	B-5
IC6		Q308	B-5
IC8		Q309	C-7
IC10		Q314	D-9
IC11		Q315	D-9
IC12		Q316	C-12
IC15		Q317	C-9
IC16		Q318	C-9
IC17		Q319	C-12
		Q320	C-13
		Q323	A-7
		Q324	A-7
		Q325	C-11
		Q326	B-11
		Q327	A-5
		Q330	D-9
		Q337	A-6
		Q338	A-6
		Q340	B-12
		Q350	D-2
TRANSISTOR		DIODE	
Q3	C-3	D1	C-6
Q8	D-6	D3	B-4
Q9	C-3	D4	B-4
Q10	C-2	D5	B-8
Q11	C-2	D8	B-4
Q13	C-6	D9	E-5
Q15	B-11	D11	E-5
Q17	D-5	D12	C-7
Q18	D-5	D102	C-7
Q20	E-4	D107	B-10
Q21	B-8	D108	D-7
Q25	D-7	D109	D-8
Q26	A-5	D112	A-4
Q30	D-4	D113	B-5
Q31	D-3	D117	A-10
Q33	E-13	D118	B-5
Q34	E-12	D119	C-5
Q35	C-6	D130	B-5
Q37	A-4	D131	B-5
Q38	A-2	D132	A-7
Q39	A-2	D303	A-5
Q40	A-2	D304	A-6
Q41	A-3	VARIABLE RESISTOR	
Q45	C-6	CT101	A-2
Q48	F-13	CT102	A-3
Q50	F-12	RV101	C-3
Q52	D-11	RV102	A-9
Q120	C-12	RV103	E-11
Q201	B-2	RV104	E-11
Q202	B-1	RV105	B-2
Q203	A-1		
Q204	B-2		
Q208	D-2		
Q209	F-2		
Q210	F-1		
Q212	E-2		
Q213	E-2		
Q301	B-9		
Q302	B-10		
Q303	C-13		
Q304	C-12		

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

BB BOARD (1/2)

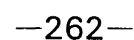


BB (1/2)	IC401	LA7016	SYNC. SW-1	531	DTC144EK	MODE SW-12
	402	LM7812CT	+12V REG	532	2SC2712	AUDIO AMP-4
	403	LM7912CT	-12V REG	533	2SC2712	AUDIO BUFF-3
	404	MC14053BF	SIG. SW	534	2SD789	MODE SW-13
	405	SN74HC157ANS	MODE SW-1	535	DTC144EK	MODE SW-14
	407	SN74HC157ANS	SYNC SW-2	536	DTC144EK	MODE SW-15
	408	HD14053BFP	MODE SW-2	537	DTC144EK	MODE SW-16
	409	HD14053BFP	MODE SW-3	538	DTC144EK	MODE SW-17
	412	μPC1406HA	AUDIO ATT.	540	DTC144EK	MODE SW-18
	422	μPC393G2	MODE ENCODER-1	545	2SA1162	MODE SW-23
	423	SN74HC32ANS	MODE ENCODER-2	546	DTC144EK	MODE SW-24
	424	μPC393G2	MODE ENCODER-3	548	DTC144EK	MODE SW-26
				549	DTC144EK	MODE SW-27
	Q401	2SD774	+5REG.	550	DTC144EK	MODE SW-28
	402	2SB734	-5REG.	551	DTC144EK	MODE SW-29
	403	DTC144EK	POWER CONT-1	552	DTC144EK	MODE SW-30
	404	2SC2712	POWER CONT-2	553	2SC2712	AUDIO BUFF-2
	405	DTC144EK	POWER CONT-3	710	2SC3545	G BUFF-5
	450	2SC2712	SIRCS SW-1	741	DTC144EK	MODE SW-31
	451	2SC2712	SIRCS SW-2	757	2SC3545	B BUFF-7
	452	2SC2712	SIRCS SW-3			
	453	DTC144EK	SIRCS SW-4	D401	V06C	+12V PROT
	454	DTC144EK	SIRCS SW-5	402	V06C	-12V PROT
	456	2SC2712	SIRCS SW-6	450	1S2837	SIRCS OR
	457	2SA1162	SIRCS SW-7	451	1S2837	AUDIO PROT-1
	501	2SC2712	H.SYNC SW-1	452	RD2.4ES-B1	LEBEL SHIFT
	502	2SC2712	H.SYNC SW-2	501	1S2837	H.SYNC CLAMP
	503	2SC2712	V.SYNC SW-1	502	1S2837	V.SYNC CLAMP
	504	2SC2712	V.SYNC SW-2	503	1S2837	VOLTAGE PROT.
	506	2SA1462	R BUFF.	504	RD5.1M-B2	AUDIO PROT-2
	507	2SA1462	G BUFF.	506	RD5.1M-B2	POW CONT.
	508	2SA1462	B BUFF.	507	RD5.1M-B2	H.SYNC PROT
	509	2SA1462	VIDEO BUFF.	508	RD5.1M-B2	V.SYNC PROT
	510	DTC144EK	MODE SW-1	509	RD5.1M-B2	R PROT-1
	511	DTC144EK	MODE SW-2	510	RD5.1M-B2	R PROT-2
	512	DTC144EK	MODE SW-3	511	RD5.1M-B2	G PROT-1
	513	DTC144EK	MODE SW-4	512	RD5.1M-B2	G PROT-2
	514	DTC144EK	MODE SW-5	513	RD5.1M-B2	B PROT-1
	515	2SC2712	MODE SW-6	514	RD5.1M-B2	B PROT-2
	516	2SA1462	Y BUFF-1	515	RD5.1M-B2	AUDIO PROT-4
	517	2SA1462	C BUFF-1	516	RD13M-B2	Y PROT.
	518	2SC2712	AUDIO BUFF-1	518	RD13M-B2	C PROT.
	519	2SC2712	AUDIO BUFF-2	520	RD5.1M-B2	S SW PROT-1
	520	DTC144EK	MODE SW-7	521	RD5.1M-B2	S SW PROT-2
	521	DTC144EK	MODE SW-8	522	RD13M-B2	VIDEO PROT-1
	522	2SC2712	VIDEO AMP-1	523	RD13M-B2	VIDEO PROT-2
	523	2SC2712	VIDEO AMP-2	524	RD5.1M-B2	HD SEL PROT.
	524	2SC2712	VIDEO BUFF-2	525	RD2.4ES-B1	LEBEL SHIFT
	525	2SC2712	AUDIO AMP-1	526	1S2837	MODE SW-1
	526	2SC2712	AUDIO AMP-2	527	RD5.1M-B2	SUB5V PROT
	527	2SC2712	AUDIO AMP-3	528	1S2837	MODE SW-2
	528	DTC144EK	MODE SW-9	529	RD3.3ES-B1	LEBEL SHIFT
	529	DTC144EK	MODE SW-10	530	1S2837	AUDIO MUTE
	530	DTC144EK	MODE SW-11			

BB BOARD (1/2)

REF	Pin No.	NTSC 3.58	S-VIDEO
IC404	②	0.1	1.6
	④	0.5	1.4
	⑤	0.1	1.4
	⑫	1.4	0.1
	⑭	1.8	0.5
	⑮	0.5	2
IC405	⑥	4.5	0
	⑦	4.8	0
IC408	③	4.5	0
	④	4.5	0
	⑩	4.6	4.8
	⑪	4.5	4.6
IC423	②	4.9	0

REF	NTSC 3.58	S-VIDEO
Q509	B 0.6	0.6
	C -	-
	E 1.4	0
	B 0.6	0.6
Q516	C 0.1	1.6
	E -	-
	B 0.6	0.6
Q517	C 0.1	1.4
	E -	-
	B 4.9	0
Q528	C 0	4.1
	E -	-
	B 0	1.4
Q529	C 4.1	0
	E -	-
	B 4.9	0
Q530	C 0.1	1.6
	E -	-
	B 4.9	0
Q531	C 0.1	1.4
	E -	-

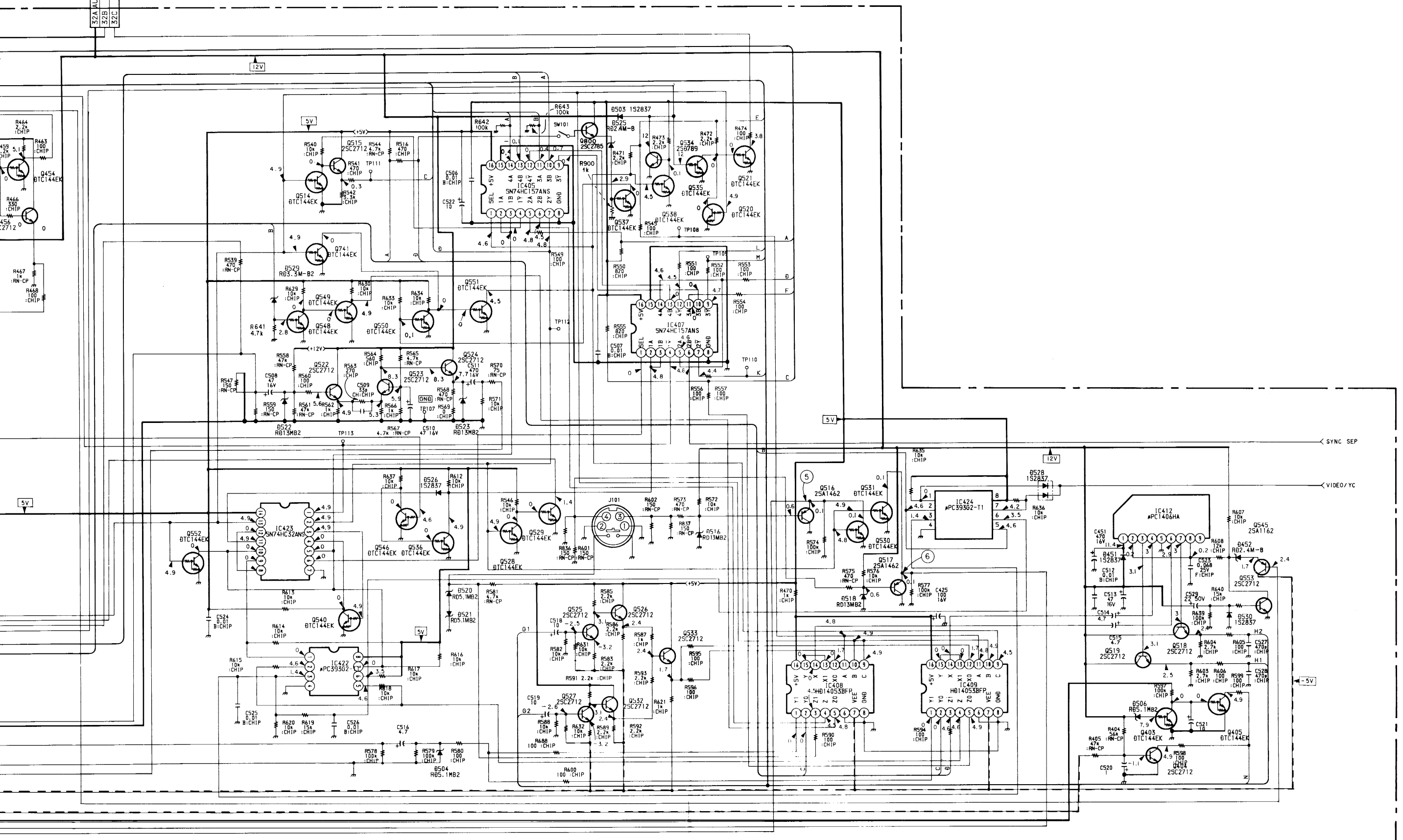


14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

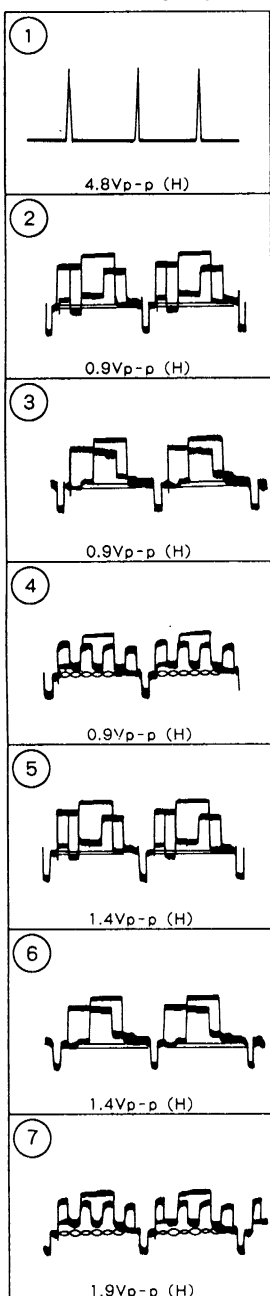
TO BM BOARD
BM-3

NOTE) H.SYNC (....) → H.S. (....)
V.SYNC (....) → V.S. (....)
VIDEO/OTHER → VID./OTHER

VIDEO/YC (IF.BB) → VIDEO/YC (1)
VIDEO/YC (BB.Y) → VIDEO/YC (2)
RGB/VIDEO (IF.BB) → RGB/VIDEO (1)
RGB/VIDEO (BB.Y) → RGB/VIDEO (2)



BB BOARD (2/2)

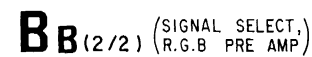


BB (2/2)	IC410	μPC4558G2	SIG. CLAMP-1
	411	μPC4558G2	SIG. CLAMP-2
	413	BX-6474	TEST SIG. GEN.
	414	BX-6473	R SIG. SW
	415	BX-6473	G SIG. SW
	416	BX-6473	B SIG. SW
	417	BX-7913	S ON G SYNC SEP.
	418	BX-6475	R AMP.
	419	BX-6475	G AMP.
	420	BX-6475	B AMP.
	Q539	DTC144EK	MODE SW-17
	541	DTC144EK	MODE SW-19
	542	DTC144EK	MODE SW-20
	543	DTC144EK	MODE SW-21
	544	DTC144EK	MODE SW-22
	547	2SA1162	MODE SW-25
	650	2SK160	R CLAMP
	651	2SC3545	R BUFF-1
	652	2SA1462	R BUFF-2
	653	2SC3545	R BUFF-3
BB (2/2)	654	2SC3545	R BUFF-4
	656	DTC144EK	MODE SW-31
	700	2SK160	G CLAMP
	701	2SC3545	G BUFF-1
	702	2SC3545	G BUFF-2
	703	2SA1462	G BUFF-3
	704	FMW-8	CB SW-1
	705	2SC3545	CB SW-2
	706	2SA1462	CB SW-3
	707	FMW-8	CB SW-4
	708	2SA1462	G BUFF-4
	709	2SC3545	CB SW-5
	750	2SK160	B CLAMP
	751	2SC3545	B BUFF-1
	752	2SA1462	B BUFF-2
	753	2SC2712	B BUFF-3
	754	2SC2712	B BUFF-4
	755	2SC3545	B BUFF-5
	756	DTC144EK	B BUFF-6
BB (2/2)	D634	1S2837	MODE OR-1
	652	1S2837	MODE OR-2
	653	1S2837	MODE OR-3

BB BOARD (2/2)

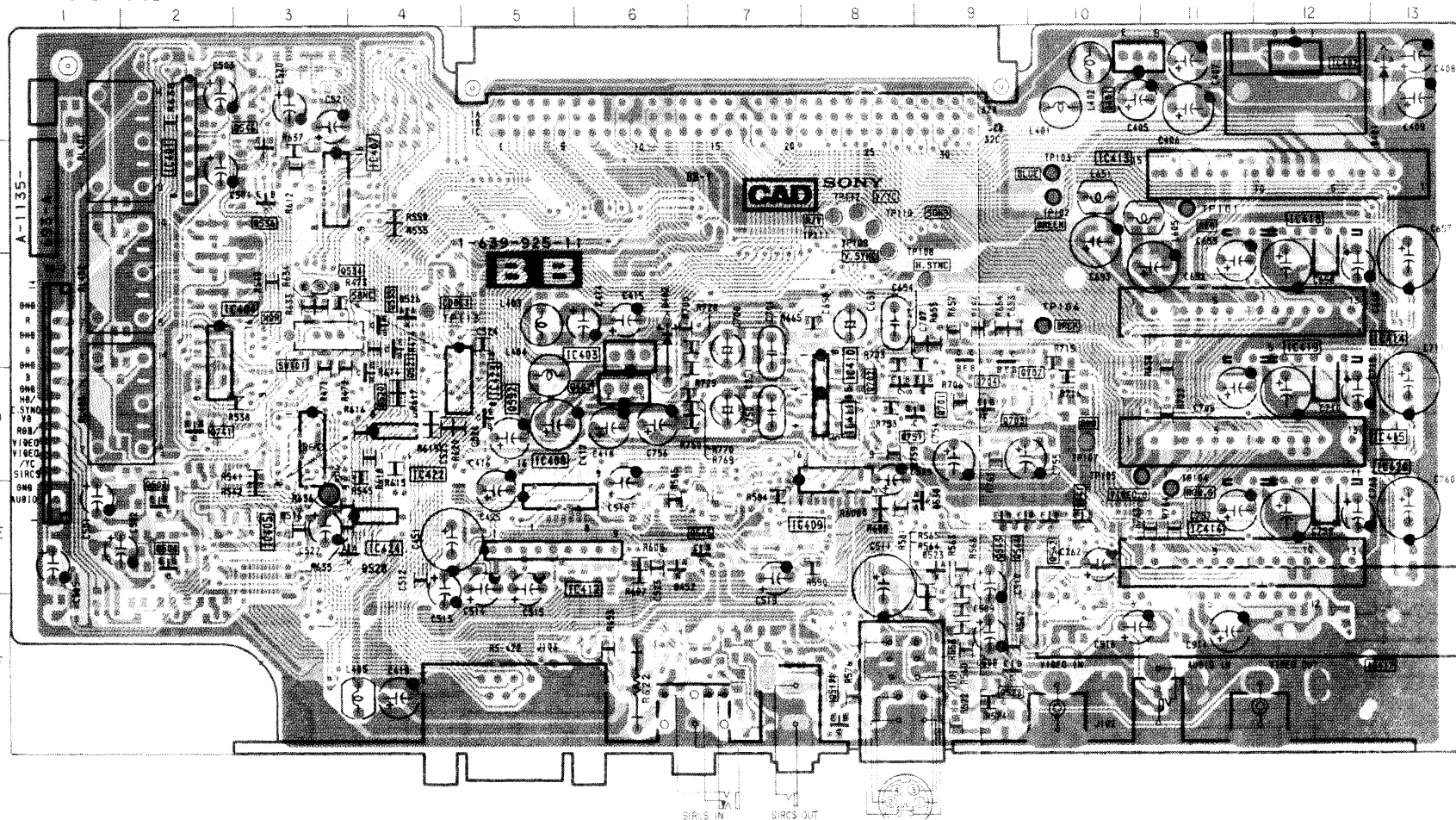
REF.	Pin No.	NTSC 3.58	S-VIDEO
IC414	②	0.6	3.1
	⑪	- 0.2	2.2
IC415	②	0.6	3.1
	⑪	- 0.2	2.2
IC416	②	0.7	3.1
	⑪	- 0.2	2.3

REF.	NTSC 3.58	S-VIDEO
Q539	B	3.6
	C	4.2
	E	-
Q656	B	0
	C	4.1
	E	-

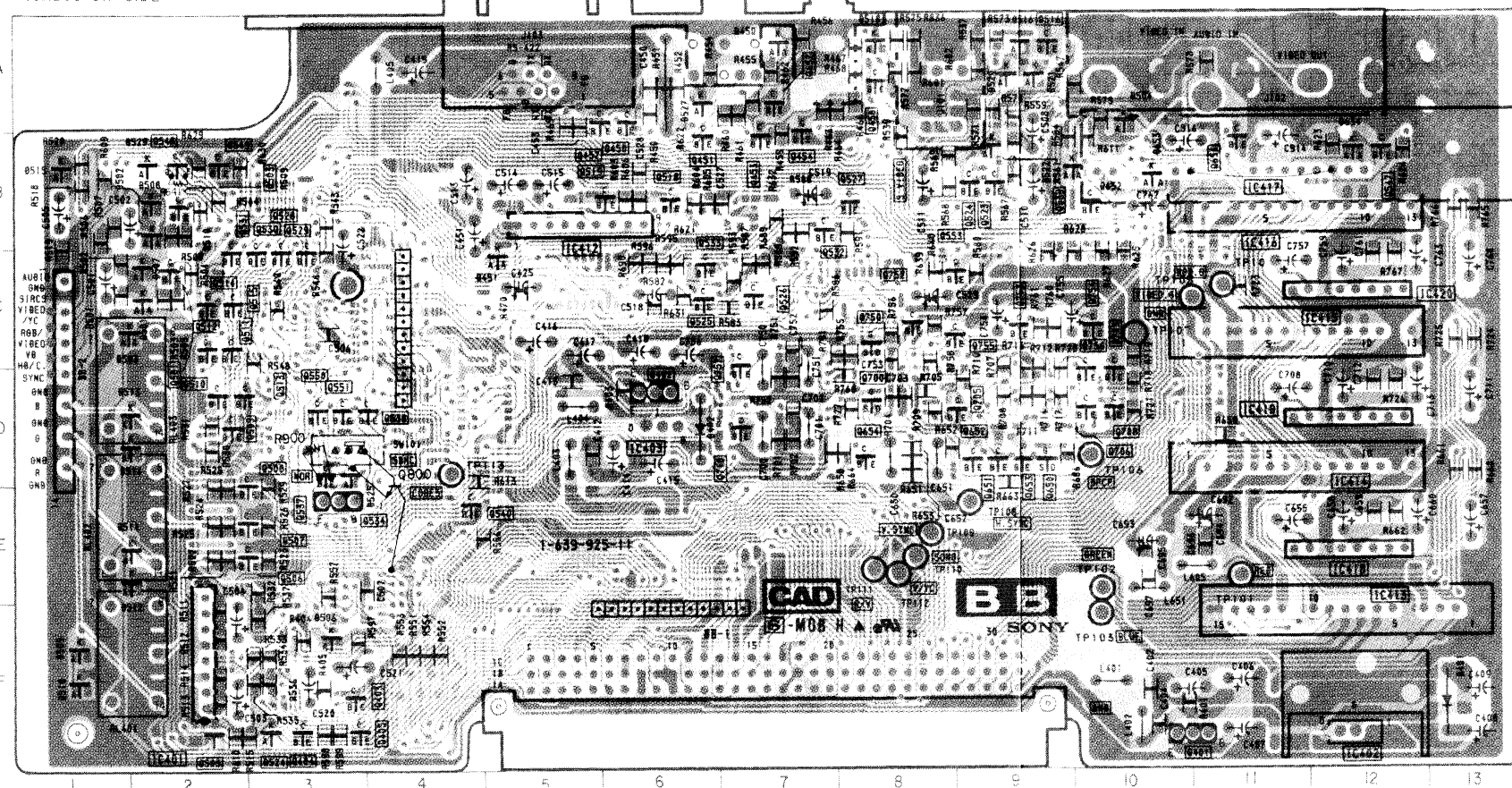


-COMPONENT SIDE-

- BB BAORD -

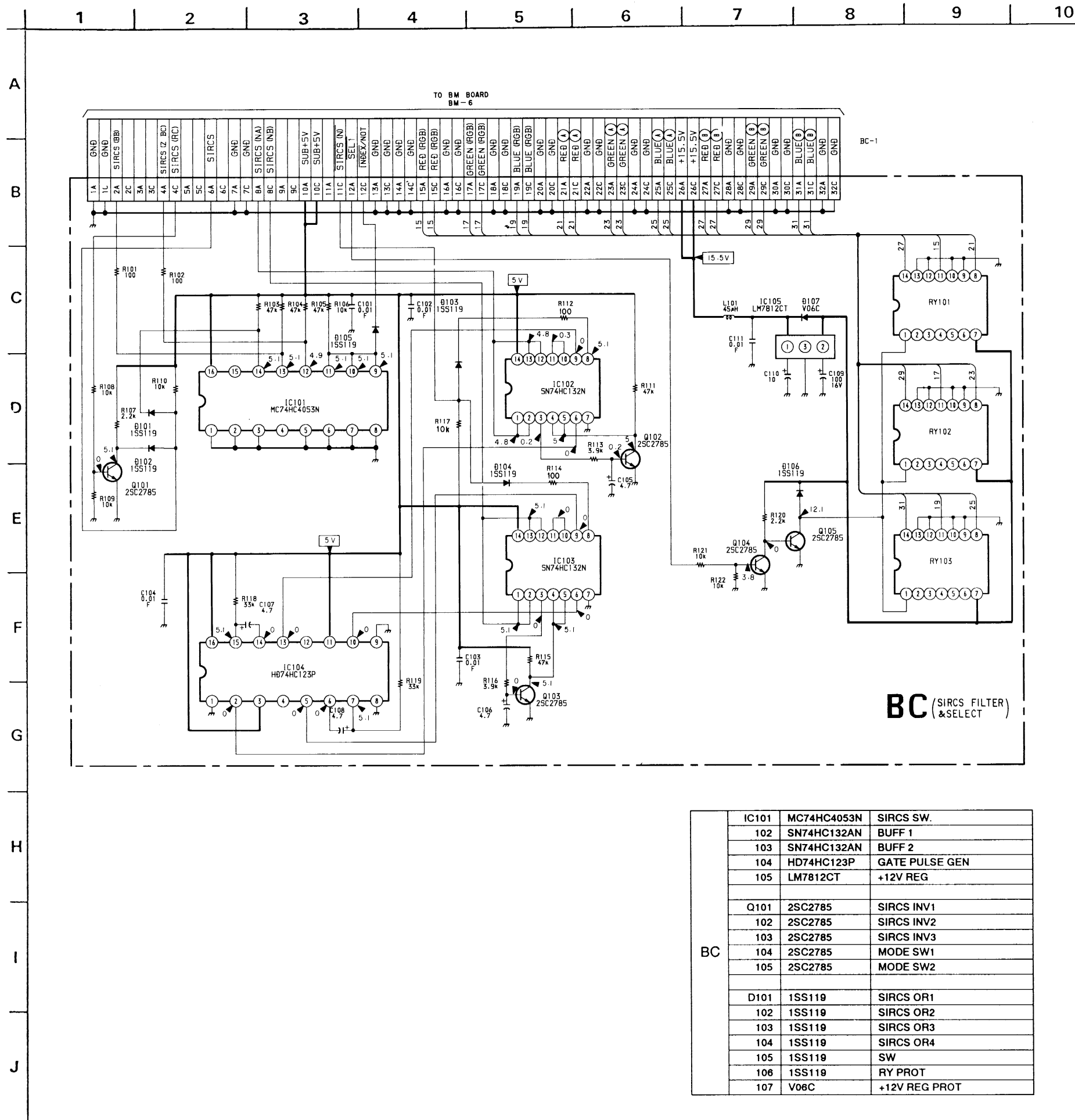


-CONDUCTOR SIDE-

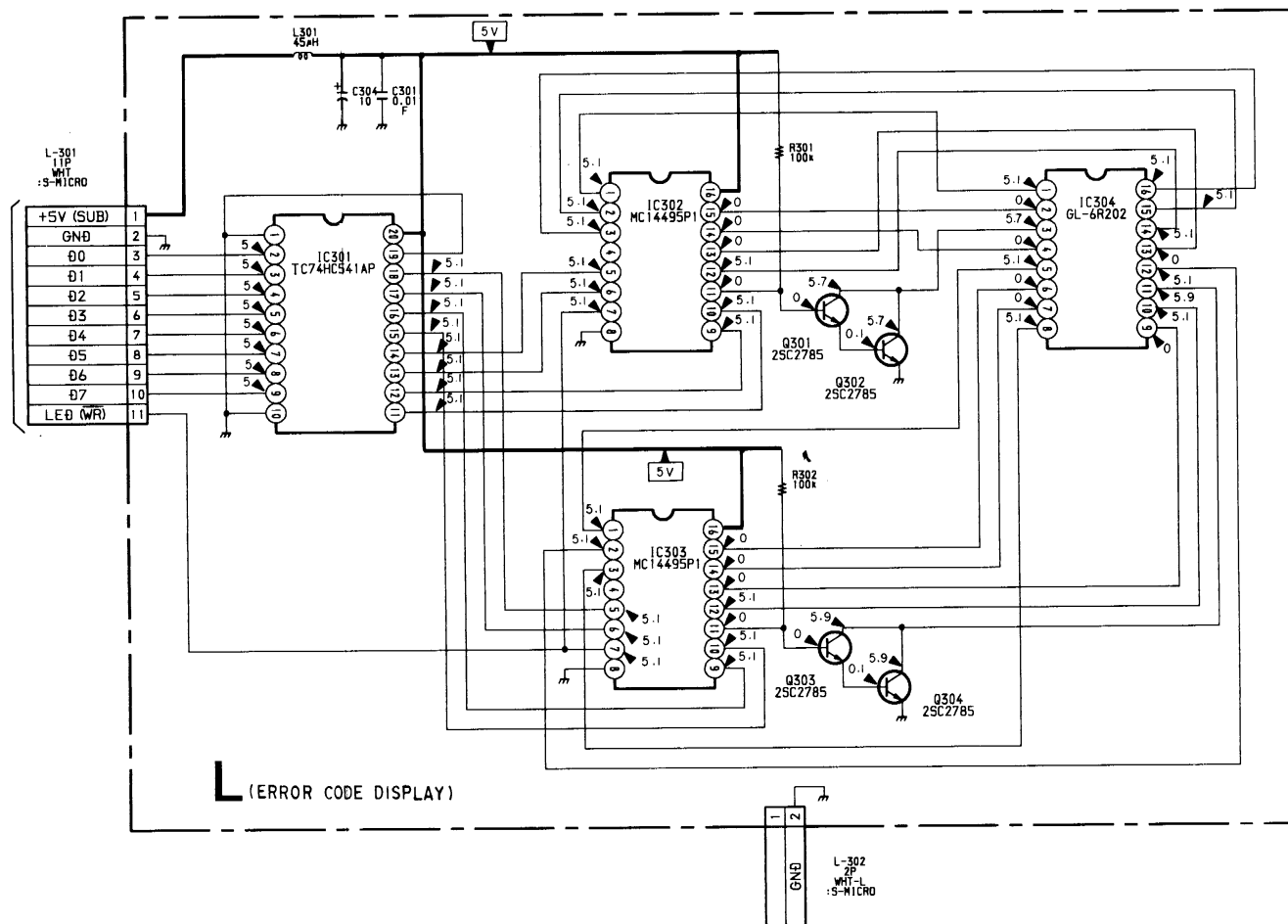
BB BOARD
(CONDUCTOR SIDE)

IC			
IC401	F-2	Q540	E-4
IC402	F-12	Q547	B-12
IC403	D-6	Q543	B-2
IC412	B-5	Q549	B-2
IC413	F-12	Q550	D-3
IC414	D-12	Q551	D-3
IC415	C-12	Q553	C-8
IC416	B-11	Q650	D-9
IC417	B-11	Q651	D-9
IC418	E-12	Q652	D-9
IC419	D-11	Q653	D-9
IC420	C-12	Q654	D-8
		Q656	B-11
		Q700	D-8
		Q705	D-9
		Q706	D-10
		Q708	D-10
		Q709	C-10
		Q710	D-7
		Q750	C-8
		Q752	C-8
		Q753	C-9
		Q754	C-10
		Q755	C-9
		Q756	C-10
		Q757	D-7
		Q800	D-4
TRANSISTOR		DIODE	
Q401	F-11	D401	F-13
Q402	D-6	D402	D-6
Q403	F-3	D450	A-7
Q404	F-3	D451	C-5
Q405	F-3	D501	C-2
Q450	B-6	D502	B-2
Q451	B-6	D503	C-1
Q452	A-7	D504	A-10
Q453	B-7	D506	F-3
Q454	B-7	D507	C-2
Q456	A-8	D508	B-2
Q457	B-5	D509	F-1
Q501	C-2	D510	F-1
Q503	B-2	D511	E-1
Q506	E-3	D512	E-1
Q507	E-3	D513	D-1
Q508	D-3	D514	D-1
Q510	D-2	D515	B-1
Q511	C-2	D516	A-9
Q512	C-2	D518	A-8
Q513	D-3	D520	A-9
Q514	C-2	D521	A-9
Q515	C-2	D522	B-9
Q516	A-9	D524	F-3
Q518	B-6	D525	D-3
Q519	B-6	D527	A-6
Q523	B-9	D529	B-2
Q524	B-9	D634	B-12
Q525	C-6	D652	B-10
Q526	C-7	D653	B-10
Q527	B-8		
Q528	B-3		
Q529	B-3		
Q530	B-3		
Q531	B-2		
Q532	C-7		
Q533	C-6		
Q534	E-3		
Q537	E-3		
Q538	D-4		
Q539	B-9		

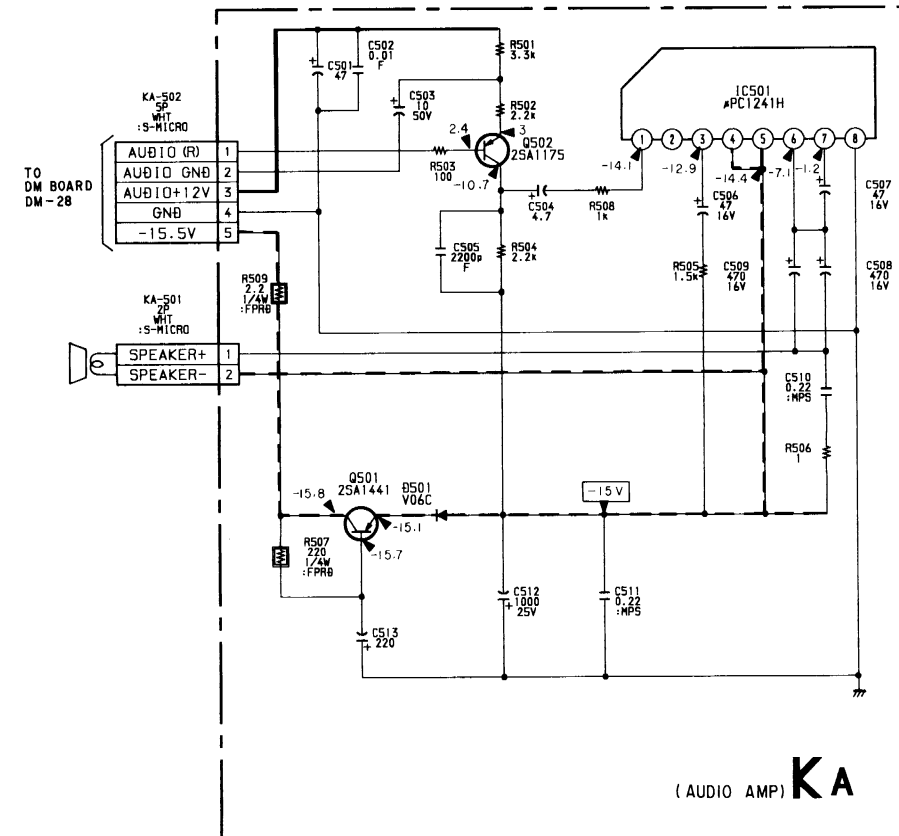
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.



TO
DM BOARD
DM-31



L	IC301	TC74HC541AP	DECODER
	302	MC14495P1	DECODER
	303	MC14495P1	DECODER
	304	GL-6R202	DISPLAY
	Q301	2SC2785	BUFF.
	302	2SC2785	BUFF.
	303	2SC2785	BUFF.
	304	2SC2785	BUFF.

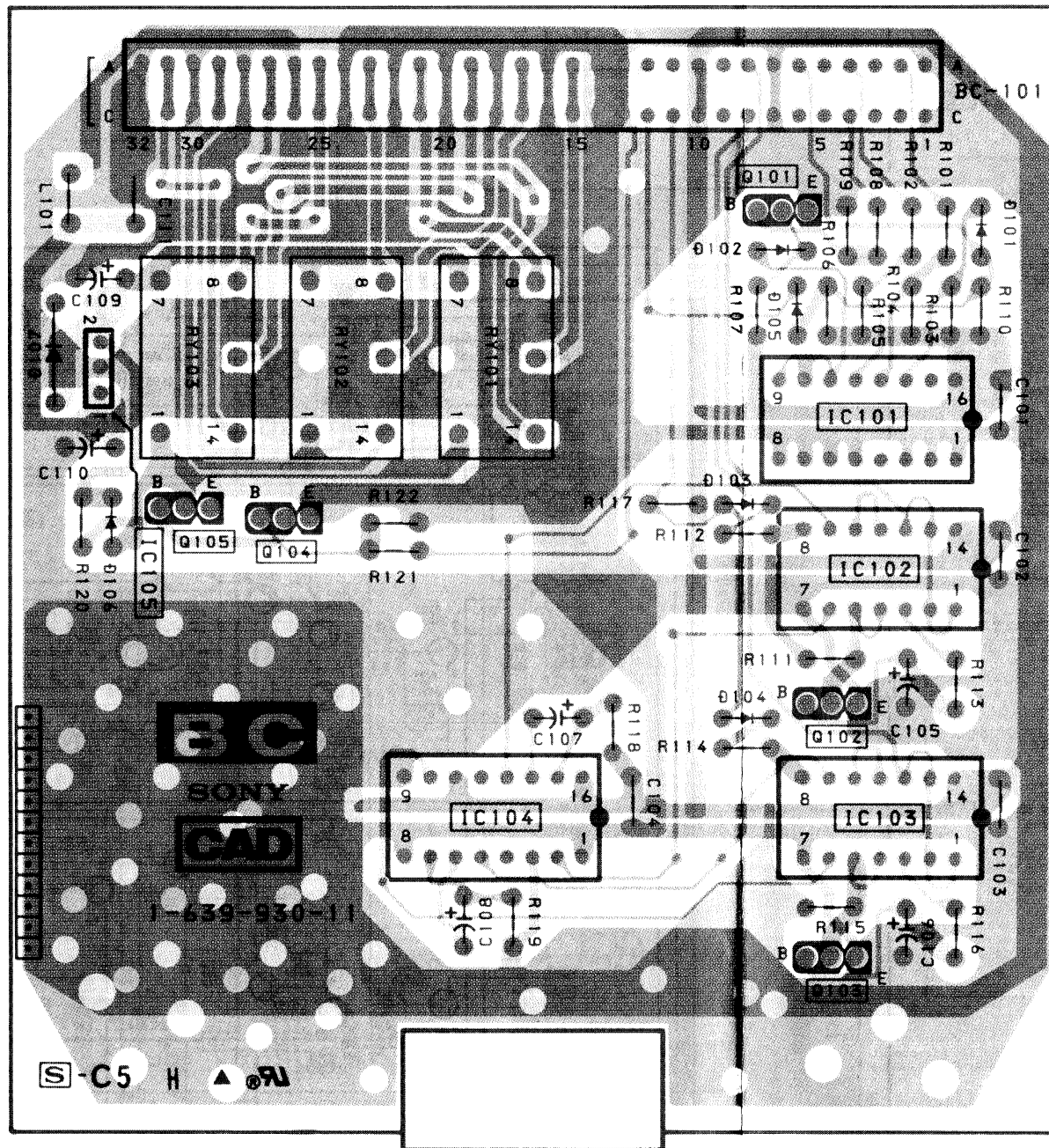


KA	IC501	μPC1241H	AUDIO AMP
	Q501	2SA1441	-15V REG
	502	2SA1175	BUFF
	D501	V06C	-15V REG PROT

BC

[SIRCS FILTER & SELECT]

- BC BOARD -



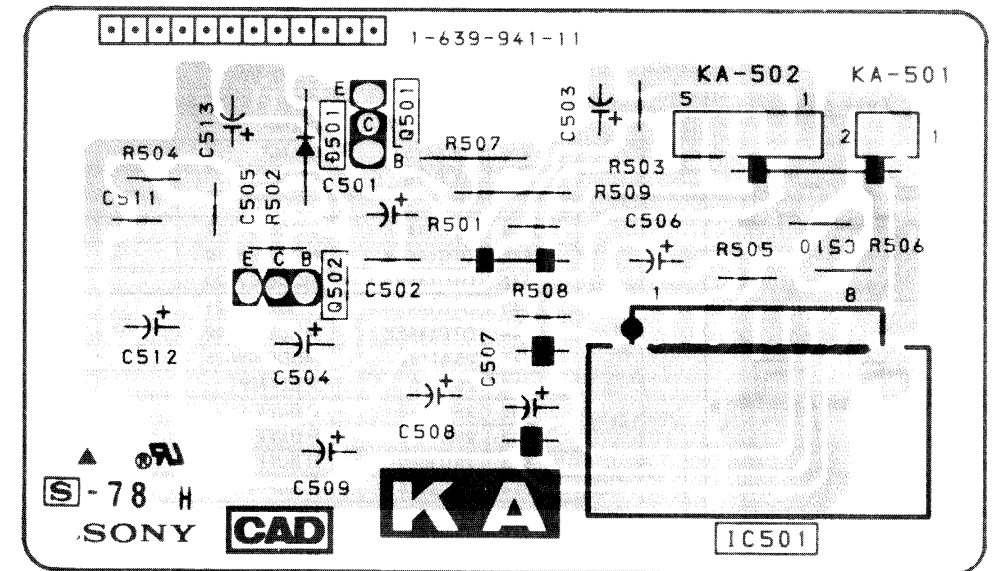
KA

[AUDIO AMP]

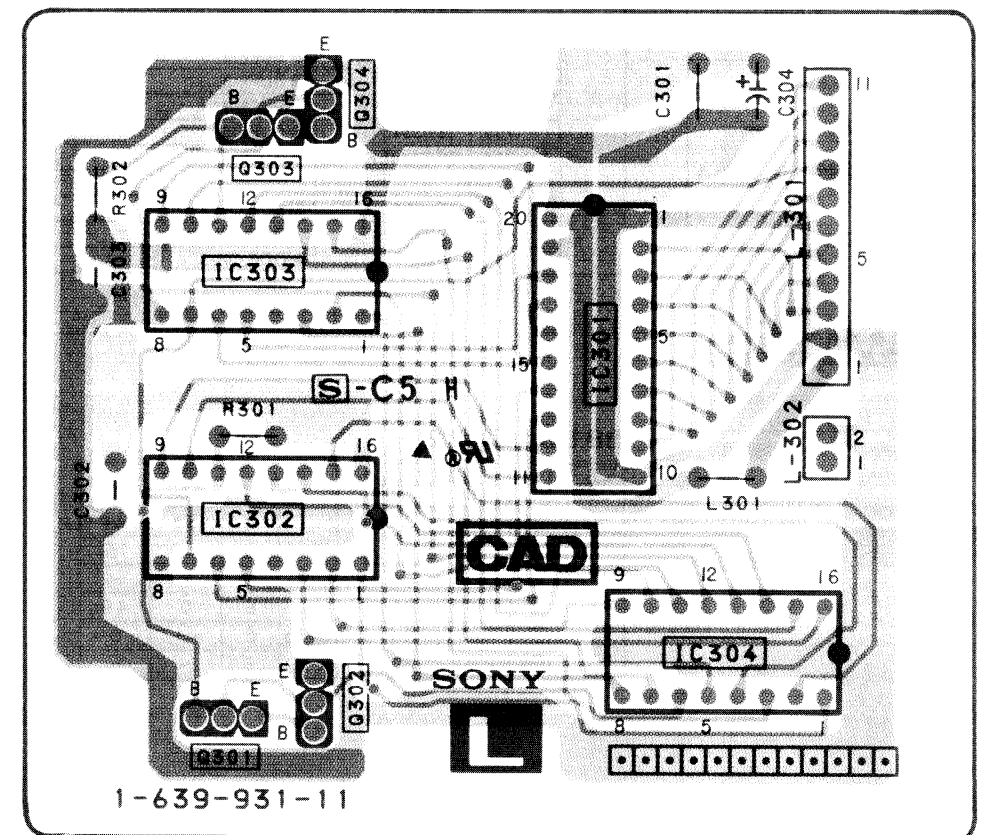
L

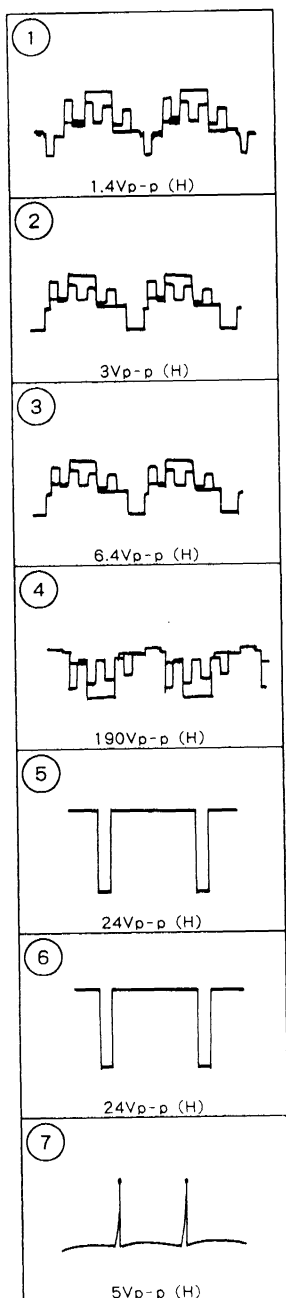
[ERROR CODE DISPLAY]

- KA BOARD -



- L BOARD -





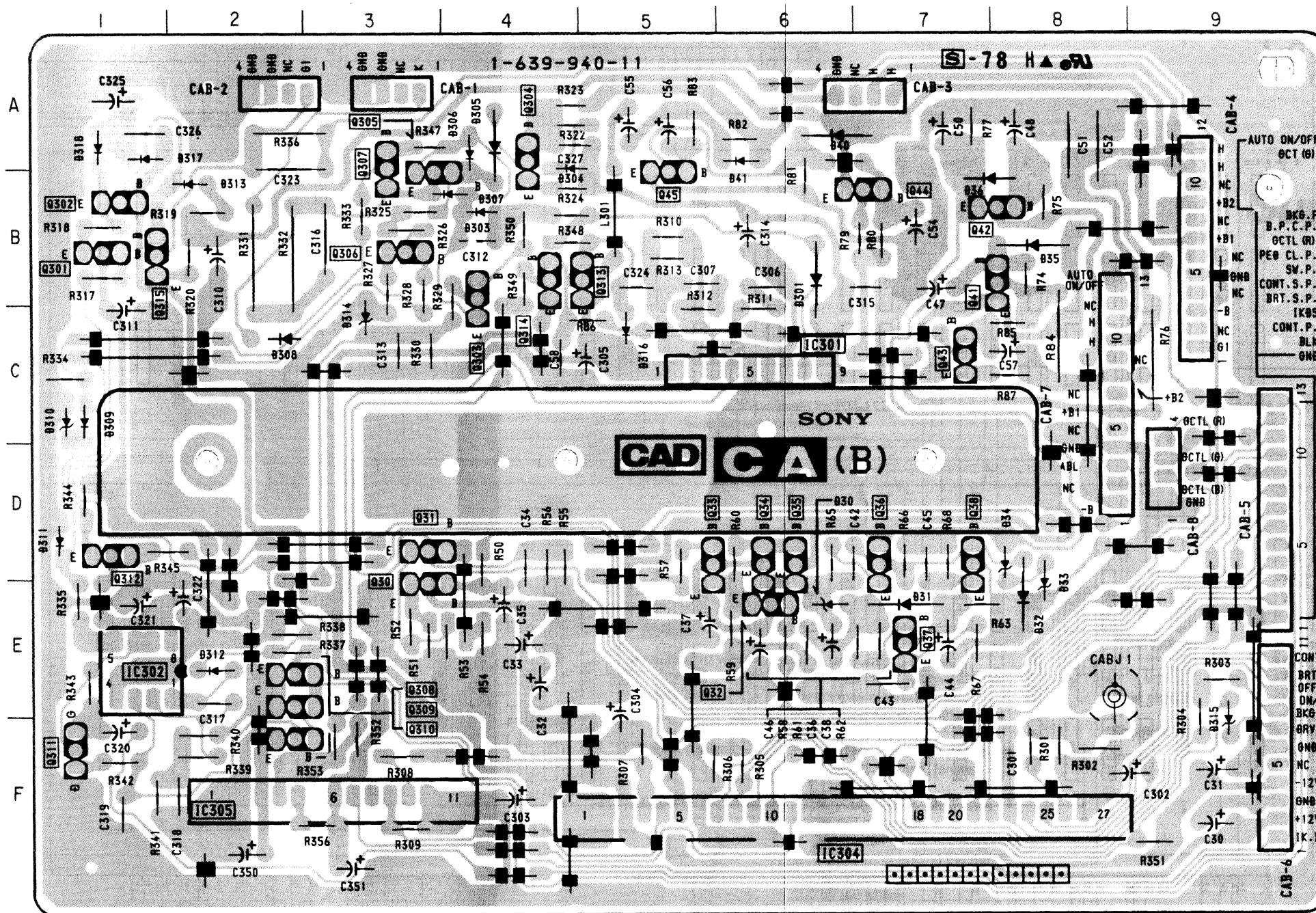
CA (B)	IC301	VPH06	B VIDEO OUT
	302	TL082CP	B AUTO BKG
	304	TY885002A	B SIGNAL PROCESS
	305	TY911504	B γ CORR
	Q30	2SC2785	Σ ABL
	31	2SC2785	Σ ABL
	32	2SC2785	BLK
	33	2SC2785	BLK
	34	2SC2785	BLK
	35	2SA1175	BLK
	36	2SA1208	BLK
	37	2SA1208	BLK
	38	2SC2910	BLK
	41	2SD982	+210V RIPPLE FILTER
	42	2SA1381	-100V RIPPLE FILTER
	43	2SA1381	+210V CURRENT PROT
	44	2SD982	+B1 RIPPLE FILTER
	45	2SC3209	ON SPOT PROT
	301	2SA1175	B G1 CONT
	302	2SC3209	B G1 CONT
	303	2SA1381	B lk DET-1
	304	2SA1381	B CURRENT SOURCE
	305	2SC2785	B lk DET-2
	306	2SC3209	B lk DET-2
	307	2SA1381	B lk DET-2
	308	XDA144ES	B AUTO BKG SW
	309	XDA144ES	B AUTO BKG SW
	310	XDC144ES	B AUTO BKG SW
	311	2SK523	B AUTO BKG
	312	2SC2785	B lk DET-2
	313	2SA1175	B SWING PROT
	314	XDC144ES	B SWING PROT
	315	2SA1381	B G1 CONT
	D30	RD3.3ESB2	BLK
	31	1SS83	BLK
	32	1SS83	BLK
	33	RD12ESB2	BLK
	34	RD12ESB2	BLK
	35	V06C	+210V RIPPLE FILTER PROT
	36	V06C	-100V RIPPLE FILTER PROT
	40	V06C	+B1 RIPPLE FILTER PROT
	41	1SS119	ON SPOT PROT
	301	1SS83	B VIDEO OUT PROT
	303	1SS119	B lk DET-1 PROT
	304	1SS119	B THERM COMP
	305	1SS83	B lk DET-2 PROT
	306	1SS119	B lk DET-2 PROT
	307	1SS119	B lk DET-2 PROT
	309	1SS119	B lk DET-2 PROT
	310	RD2.0ESB2	B lk DET-2 PROT
	311	1SS119	B lk DET-2 PROT
	312	1SS119	B AUTO BKG SW
	313	1SS119	B THERM COMP
	314	RD13ESB2	B lk DET-1 PROT
	315	RD3.3ESB2	B DRV
	316	1SS119	B SWING PROT
	317	1SS119	B OFF SPOT PROT
	318	1SS119	B OFF SPOT PROT



CA(B)

[VIDEO OUT B]

- CA (B) BOARD -



IC

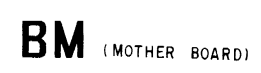
IC301	C-6
IC302	E-1
IC304	F-6
IC305	F-2

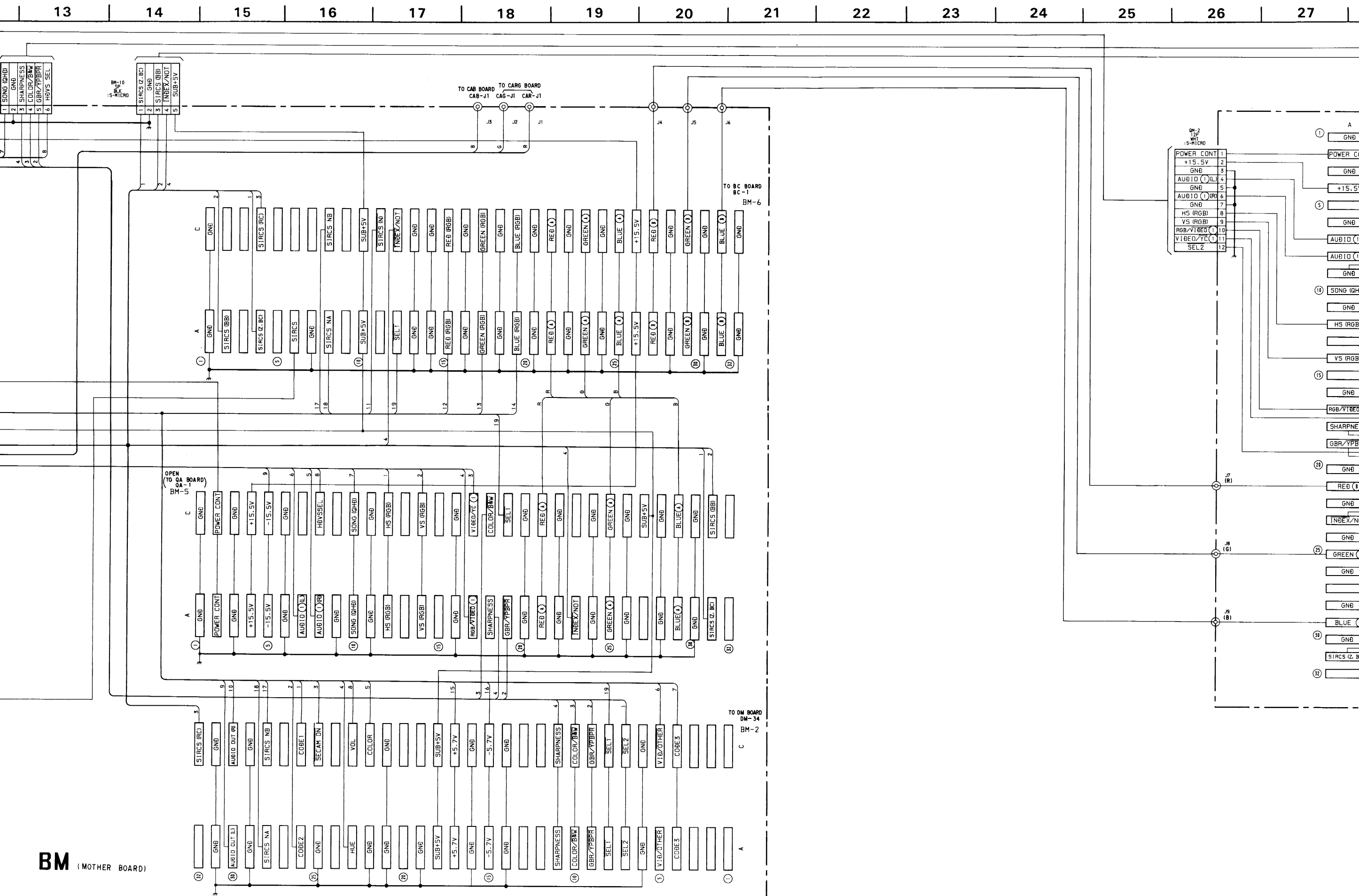
TRANSISTOR

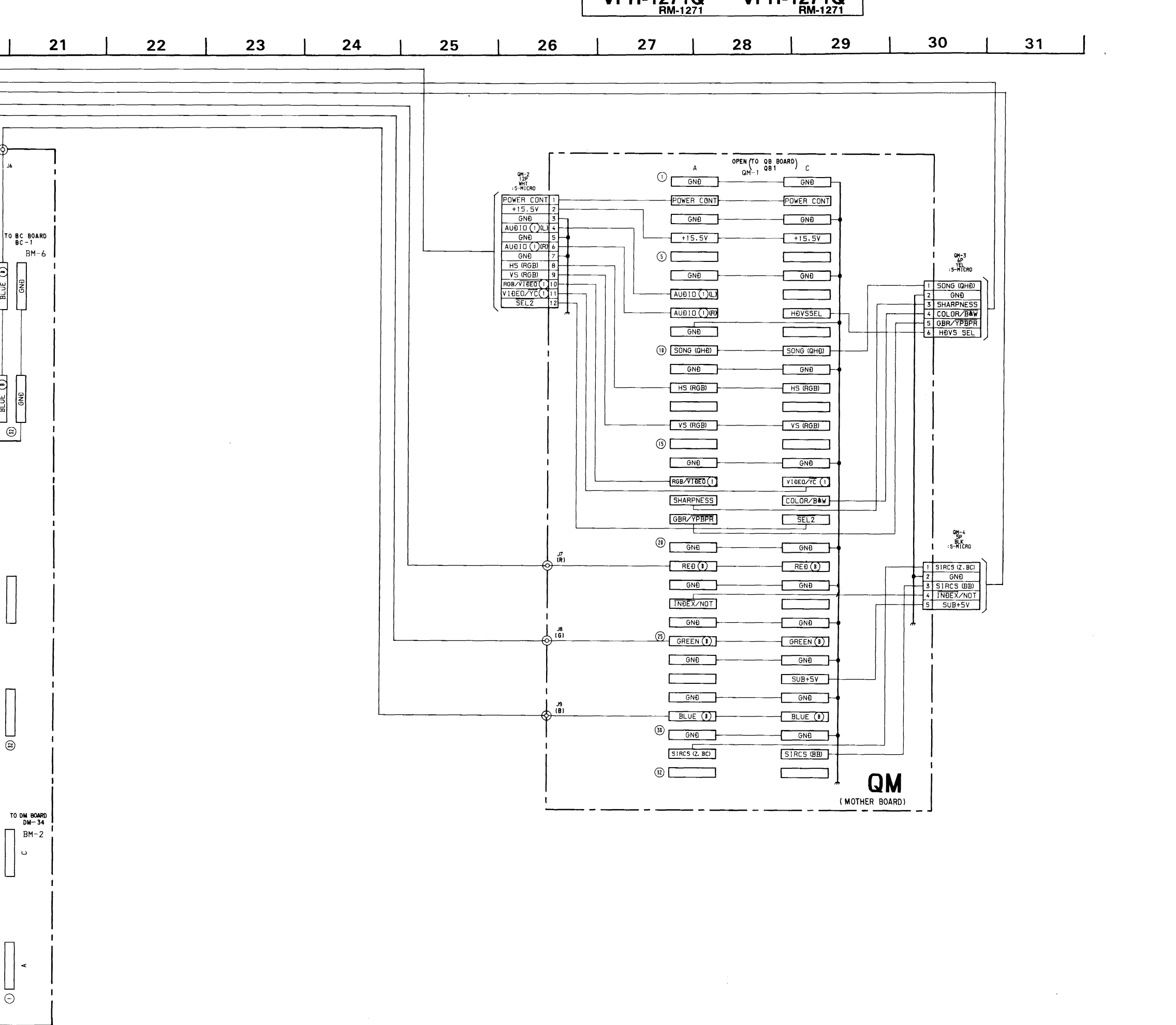
Q30	E-3
Q31	D-3
Q32	E-6
Q33	D-5
Q34	D-6
Q35	D-6
Q36	D-7
Q37	E-7
Q38	D-7
Q41	B-7
Q42	B-7
Q43	C-7
Q44	B-7
Q45	B-5
Q301	B-1
Q302	B-1
Q303	C-4
Q304	A-4
Q305	A-3
Q306	B-3
Q307	A-3
Q308	E-2
Q309	E-2
Q310	F-2
Q311	F-1
Q312	D-1
Q313	B-5
Q314	B-4
Q315	B-1

DIODE

D30	E-6
D31	E-7
D32	E-8
D33	E-8
D34	D-8
D35	B-8
D36	B-7
D40	A-6
D41	A-6
D301	B-6
D303	B-4
D304	B-4
D305	A-4
D306	A-4
D307	B-4
D309	C-1
D310	C-1
D311	D-1
D312	E-2
D313	B-2
D314	C-3
D315	F-9
D316	C-5
D317	A-1
D318	A-1



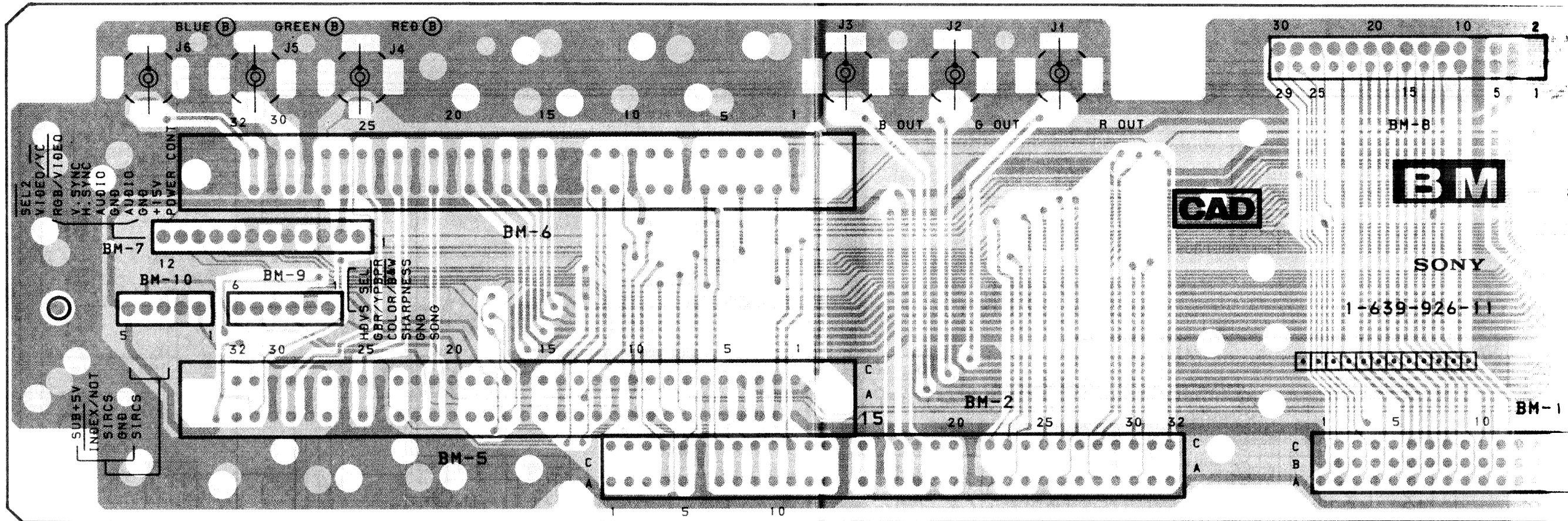


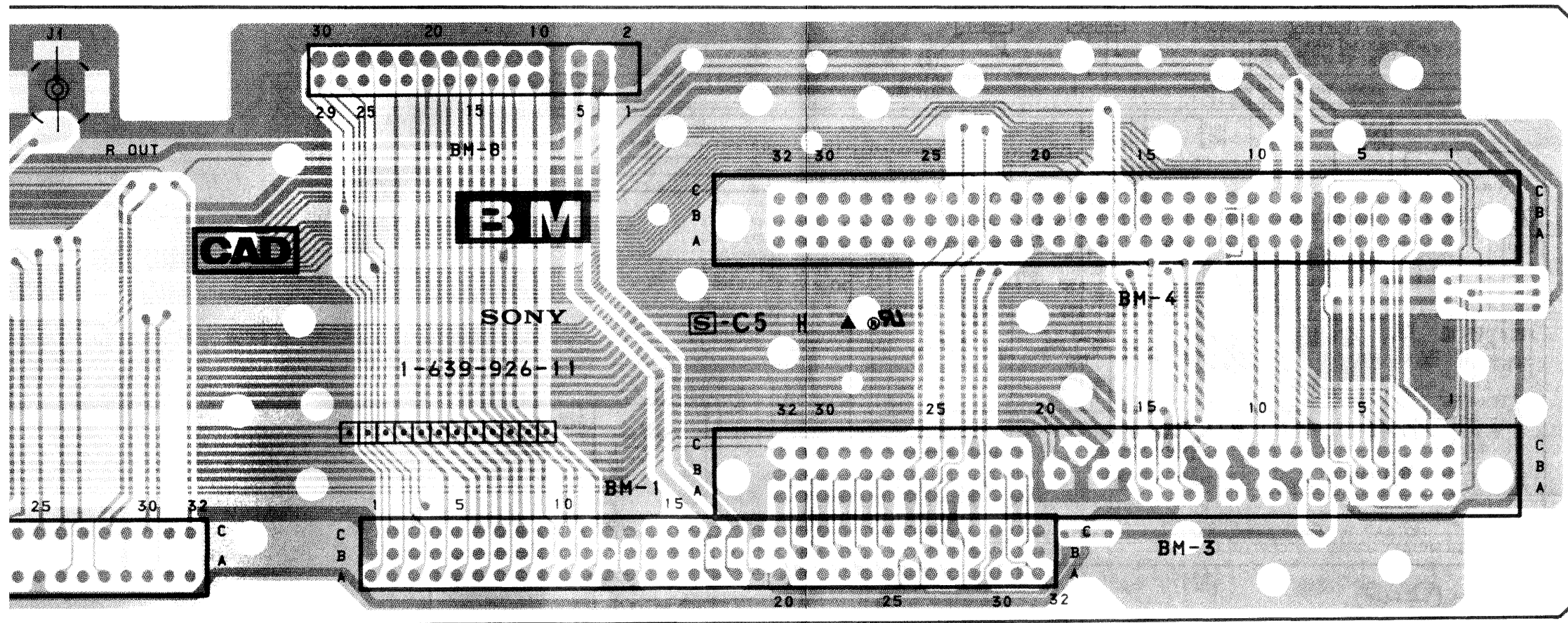


BM

[MOTHER BOARD]

— BM BOARD —

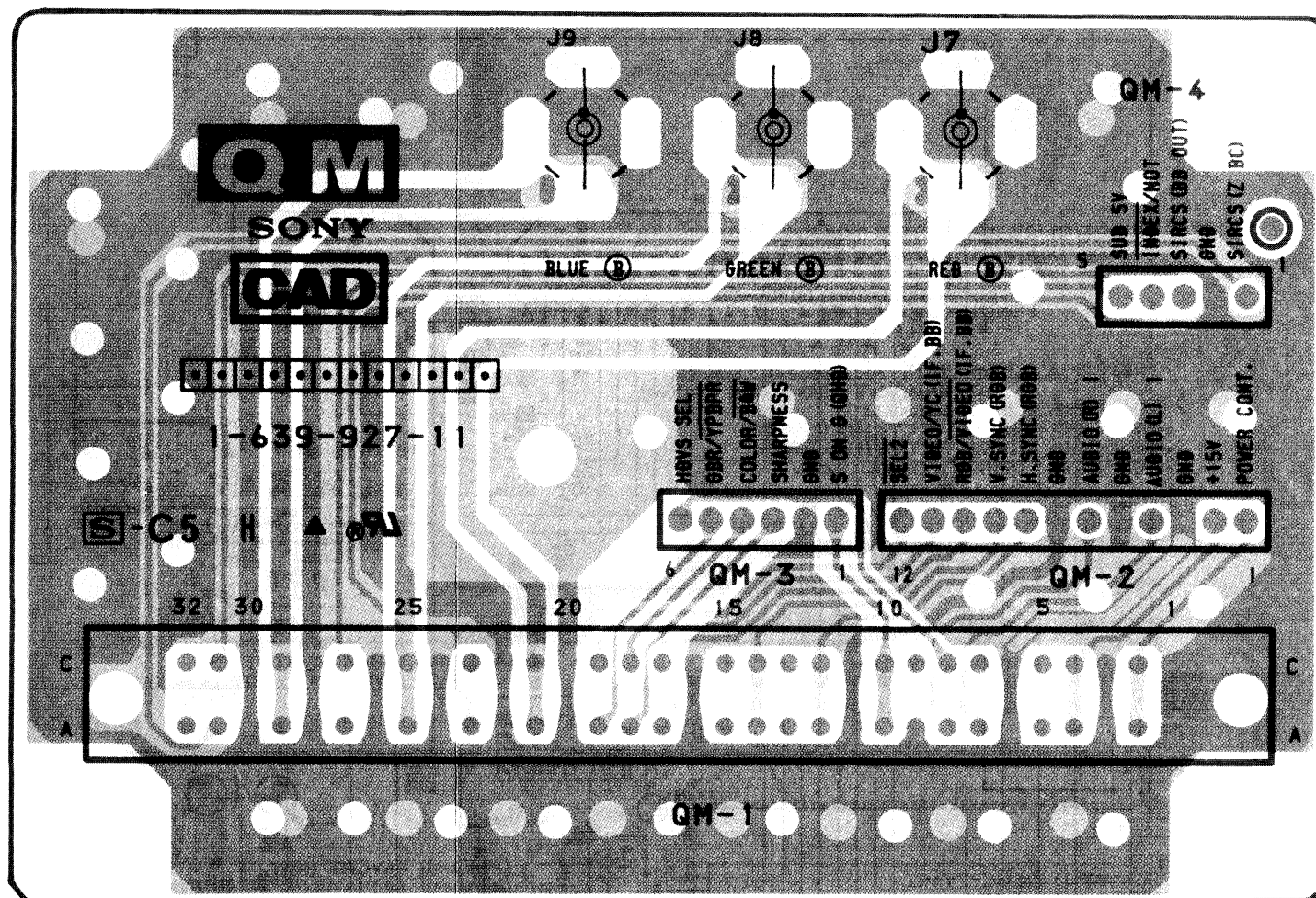




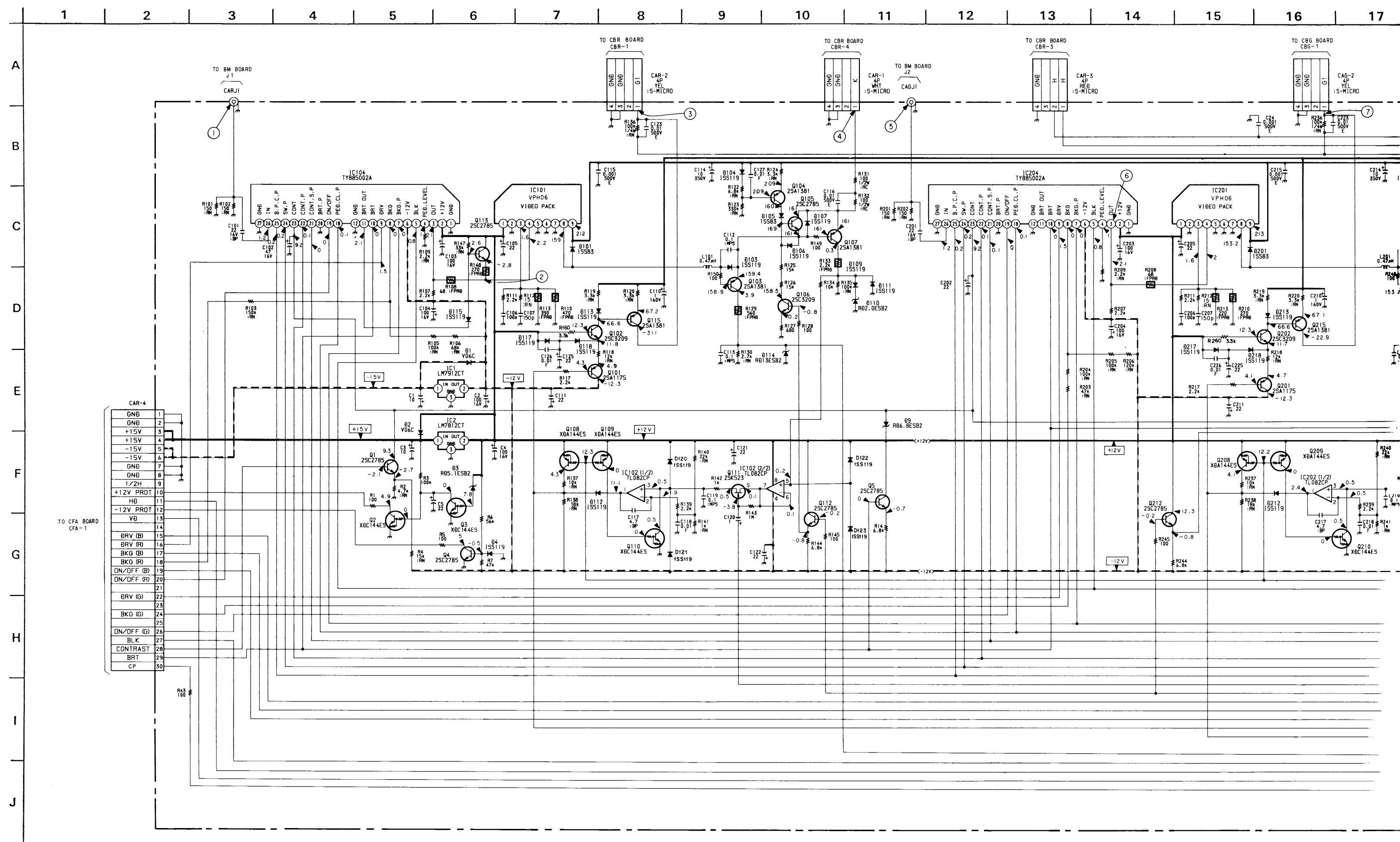
QM

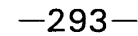
[MOTHER BOARD]

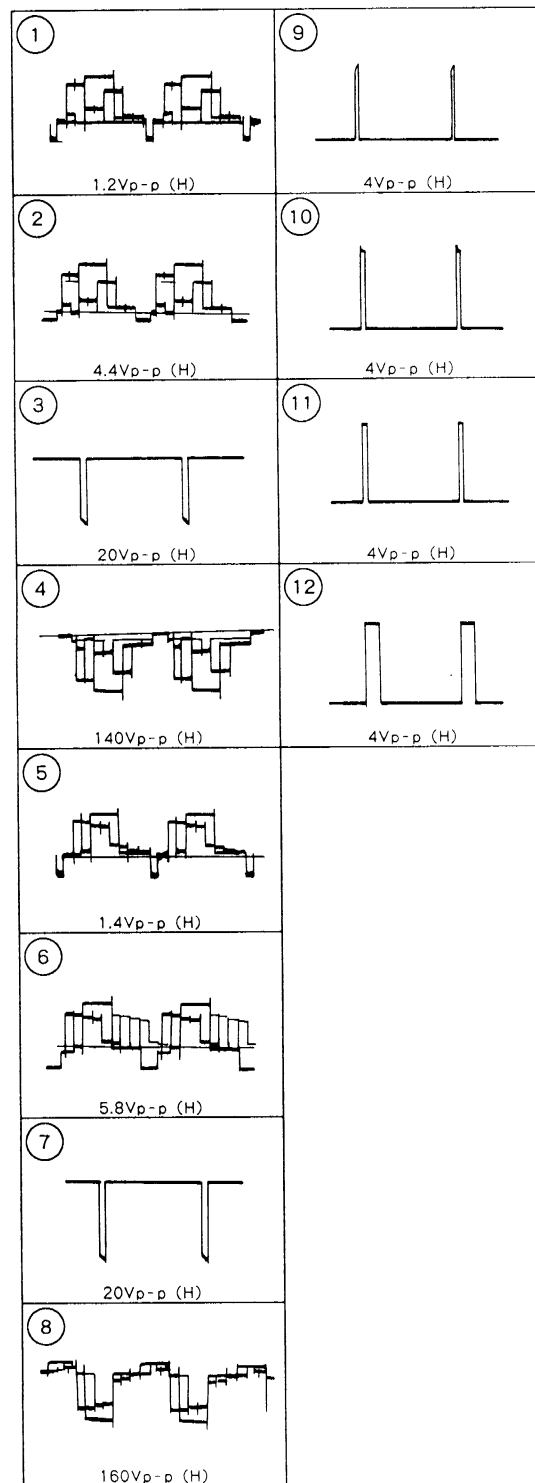
- QM BOARD -



- : Pattern from the side which enables seeing.
- : Pattern of the rear side.



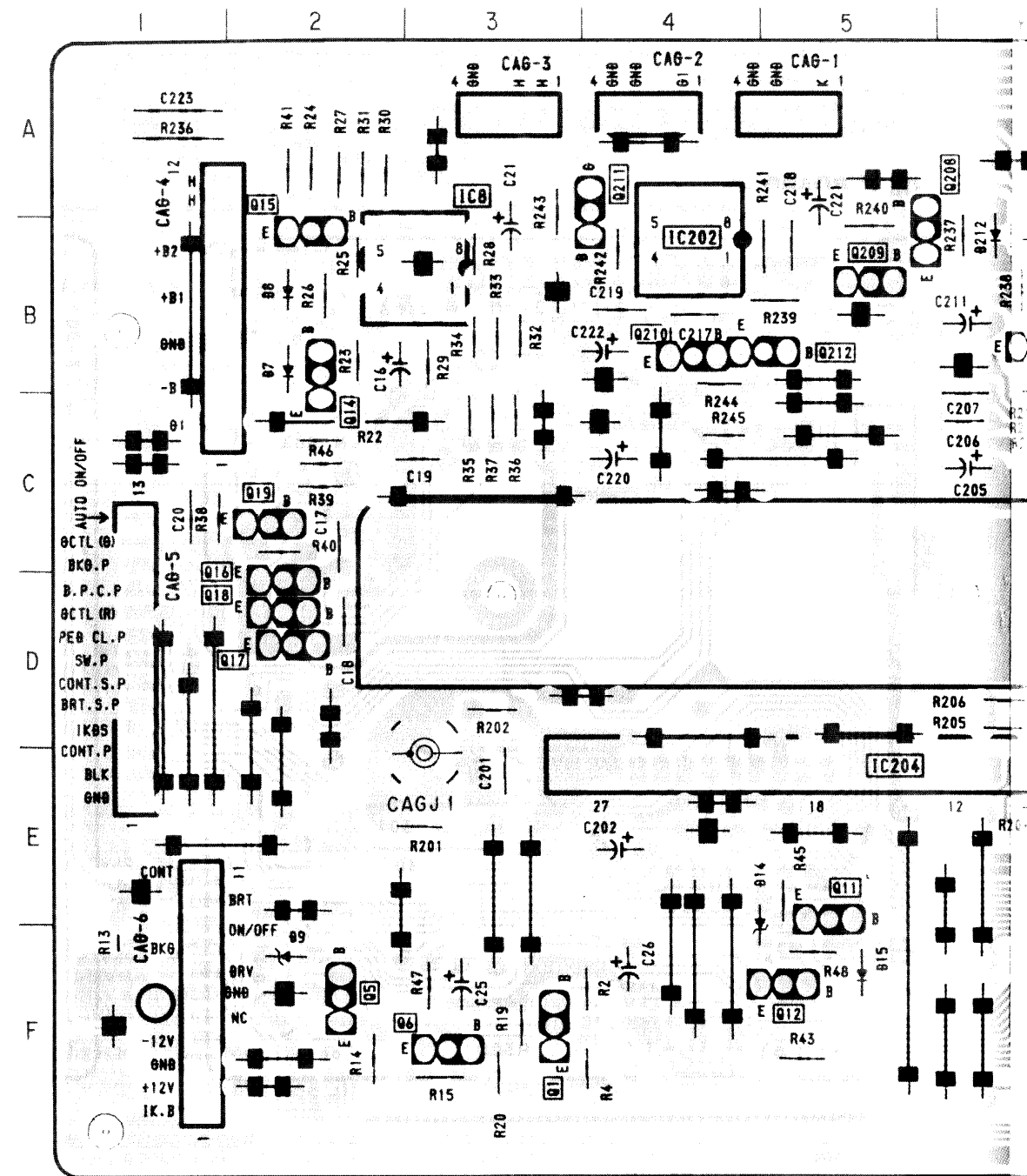




IC1	LM7912CT	-12V REG	D1	V06C	-12V REG PROT
2	LM7812CT	+12V REG	2	V06C	+12V REG PROT
3	RC78L05A	+5V REG	3	RD5.1ESB2	+12V PROT
4	MC74HC4538AN	PULSES GEN	4	1SS119	-12V PROT
5	MB675429	PULSES GEN	7	1SS119	PEAK ABL
6	MC74HC244AN	PULSES GEN	8	1SS119	S.T. ABL
7	MC74HC00AN	PULSES GEN	9	RD6.8ESB2	CONT PROT
8	TL082CP	PEAK&S.T. ABL	12	1SS119	ON STOP PROT
101	VPH06	R VIDEO OUT	13	RD5.1ESB2	ON STOP PROT
102	TL082CP	R AUTO BKG	14	RD6.8ESB2	OFF STOP PROT
104	TY885002A	R SIGNAL PROCESS	15	1SS119	OFF STOP PROT
201	VPH06	G VIDE OUT	101	1SS83	R VIDEO OUT PROT
202	TL082CP	G AUTO BKG	103	1SS119	R lk DET-1 PROT
204	TY885002A	G SIGNAL PROCESS	104	1SS119	R THERM COMP
			105	1SS83	R lk DET-2 PROT
Q1	2SC2785	CONTRAST CONTROL	106	1SS119	R lk DET-2 PROT
2	XDC114ES	+12V PROT	107	1SS119	R lk DET-2 PROT
3	XDC114ES	+12V PROT	109	1SS119	R lk DET-2 PROT
4	2SC2785	-12V PROT	110	RD2.0ESB2	R lk DET-2 PROT
5	2SC2785	BRT-CONT CONTROL	111	1SS119	R lk DET-2 PROT
8	2SA1175	BLK P. GEN	112	1SS119	R AUTO BKG SW
9	2SA1175	BLK P. GEN	113	1SS119	R THERM COMP
10	2SC2785	BLK P. GEN	114	RD13ESB2	R lk DET-1 PROT
11	2SC2785	OFF SPOT PROT	115	1SS119	R γ CORR
12	2SA1175	OFF SPOT PROT	117	1SS119	R OFF SPOT PROT
14	2SC2785	PEAK ABL	118	1SS119	R OFF SPOT PROT
15	2SC2785	S.T. ABL	201	1SS83	G VIDEO OUT PROT
16	2SC2785	B S.T. ABL	203	1SS119	G lk DET-1 PROT
17	2SC2785	G S.T. ABL	204	1SS119	G THERM COMP
18	2SC2785	R S.T. ABL	205	1SS83	G lk DET-2 PROT
19	2SA1175	S.T. ABL	206	1SS119	G lk DET-2 PROT
101	2SA1175	R G1 CONT	207	1SS119	G lk DET-2 PROT
102	2SC3209	R G1 CONT	209	1SS119	G lk DET-2 PROT
103	2SA1381	R lk DET-1	210	RD2.0ESB2	G lk DET-2 PROT
104	2SA1381	R CURRENT SOURCE	211	1SS119	G lk DET-2 PROT
105	2SC2785	R lk DET-2	212	1SS119	G AUTO BKG SW
106	2SC3209	R lk DET-2	213	1SS119	G THERM COMP
107	2SA1381	R lk DET-2	214	RD13ESB2	G lk DET-1 PROT
108	XDA144ES	R AUTO BKG SW	217	1SS119	G OFF SPOT PROT
109	XDA144ES	R AUTO BKG SW	218	1SS119	G OFF SPOT PROT
110	XDC114ES	R AUTO BKG SW			
111	2SK523	R AUTO BKG			
112	2SC2785	R lk DET-2			
113	2SC2785	R γ CORR			
115	2SA1381	R G1 CONT			
201	2SA1175	G G1 CONT			
202	2SC3209	G G1 CONT			
203	2SA1381	G lk DET-1			
204	2SA1381	G CURRENT SOURCE			
205	2SC2785	G lk DET-2			
206	2SC3209	G lk DET-2			
207	2SA1381	G lk DET-2			
208	XDA144ES	G AUTO BKG SW			
209	XDA144ES	G AUTO BKG SW			
210	XDC114ES	G AUTO BKG SW			
211	2SK523	G AUTO BKG			
212	2SC2785	G lk DET-2			
215	2SA1381	G G1 CONT			

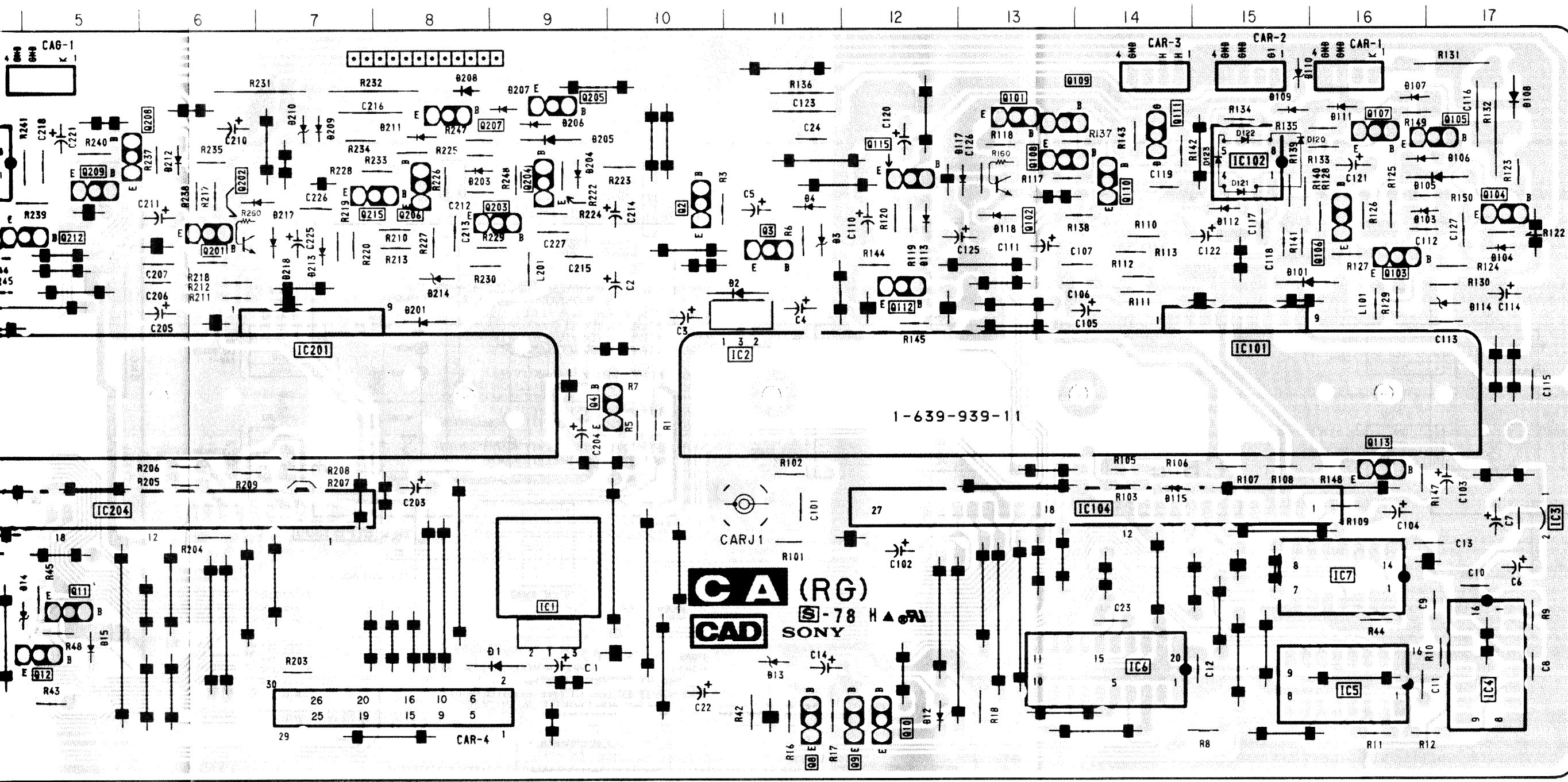
CA
(RG)

- CA(RG) BOARD -



CA(RG)

[VIDEO OUT R.G.]

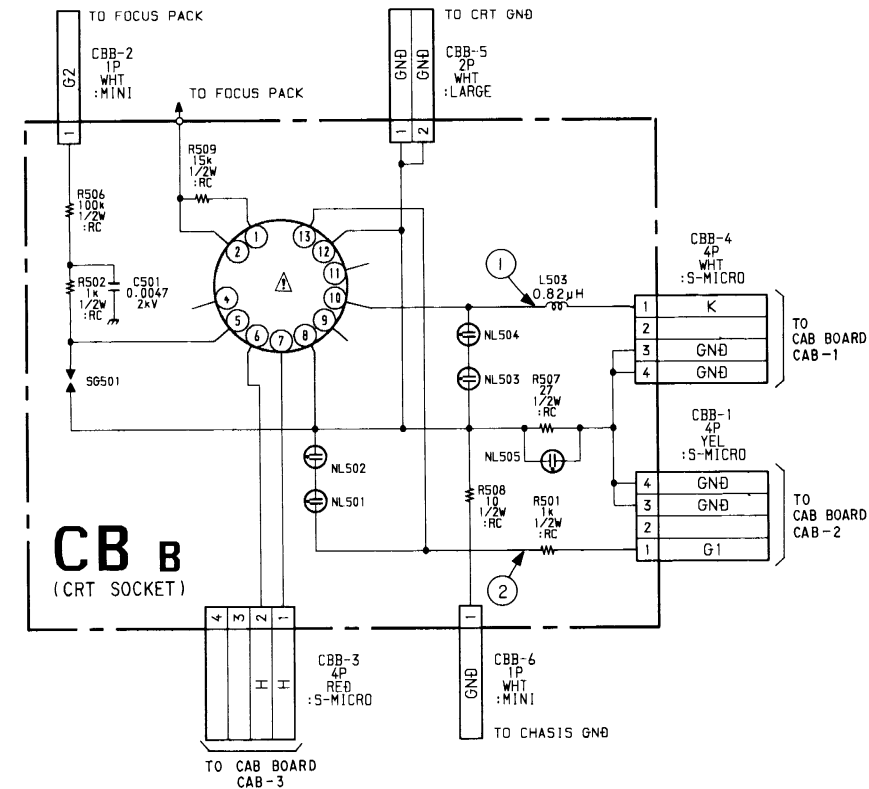
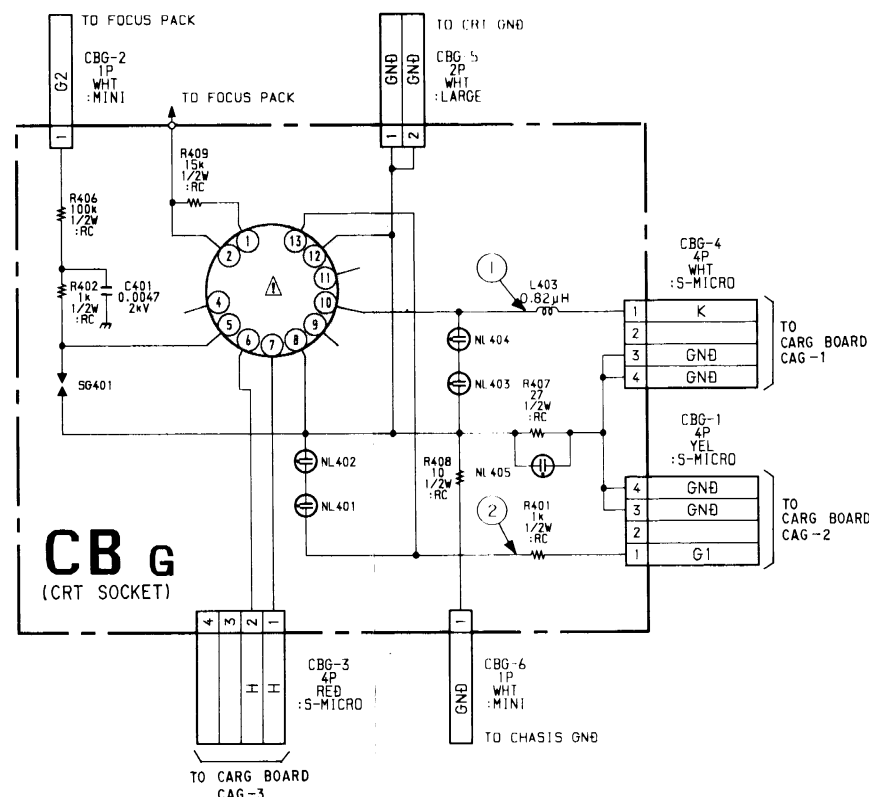
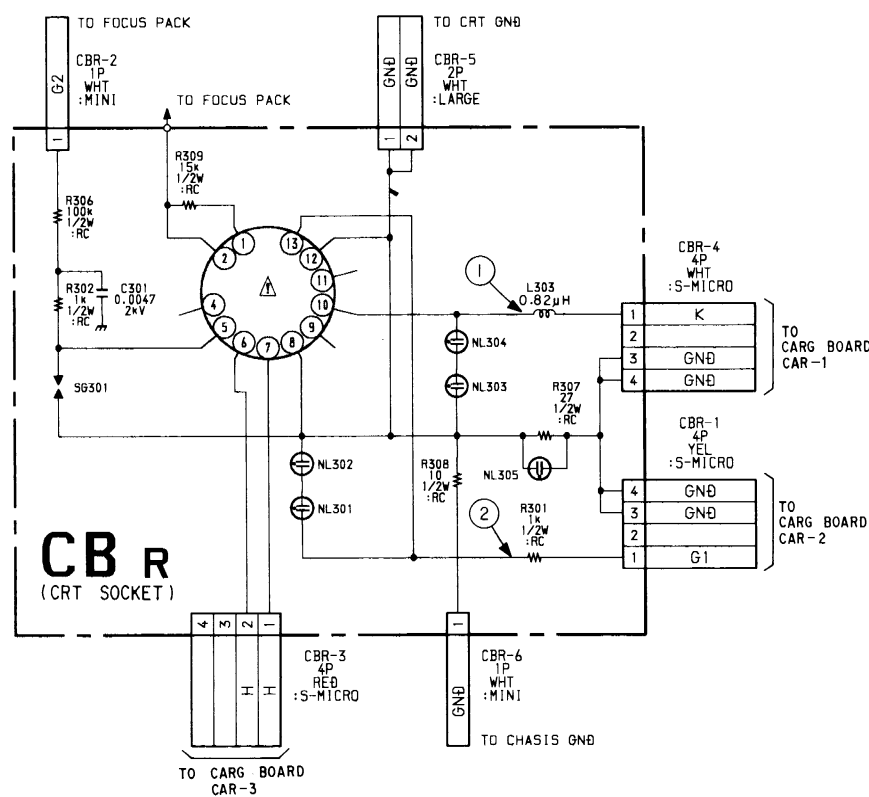


CA(RG) BOARD

IC		DIODE	
IC1	D-9	D1	F-9
IC2	C-11	D2	C-11
IC3	D-17	D3	B-11
IC4	F-17	D4	B-11
IC5	F-16	D7	B-2
IC6	F-14	D8	B-2
IC7	D-16	D9	F-2
IC8	B-3	D12	F-12
IC101	C-15	D13	F-11
IC102	B-15	D14	E-4
IC104	D-14	D15	F-5
IC201	C-7	D101	C-15
IC202	B-4	D103	B-17
IC204	E-5	D104	B-17
TRANSISTOR		D105	B-17
Q1	F-3	D106	B-17
Q2	B-10	D107	A-16
Q3	B-11	D109	A-15
Q4	D-10	D110	A-15
Q5	F-2	D111	A-16
Q6	F-3	D112	B-15
Q8	F-11	D113	B-12
Q9	F-12	D114	C-17
Q10	F-12	D115	D-14
Q11	E-5	D117	B-13
Q12	F-5	D118	B-13
Q14	B-2	D120	B-15
Q15	B-2	D121	B-15
Q16	D-2	D122	B-15
Q17	D-2	D123	B-15
Q18	D-2	D201	C-8
Q19	C-2	D203	B-8
Q101	A-13	D204	B-9
Q102	B-13	D205	A-9
Q103	C-16	D206	A-9
Q104	B-17	D207	A-9
Q105	A-17	D209	A-7
Q106	B-16	D210	A-7
Q107	A-16	D211	A-8
Q108	B-13	D212	B-6
Q109	A-13	D213	B-7
Q110	B-14	D214	C-8
Q111	A-14	D217	B-7
Q112	C-12	D218	B-8
Q113	D-16		
Q115	B-12		
Q201	B-6		
Q202	B-6		
Q203	B-9		
Q204	B-9		
Q205	A-9		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A
B
C
D
E
F
G
H
I
J



CB R BOARD	CB G BOARD	CB B BOARD
<p>①</p> <p>90Vp-p (H)</p>	<p>①</p> <p>90Vp-p (H)</p>	<p>①</p> <p>150Vp-p (H)</p>
<p>②</p> <p>20Vp-p (H)</p>	<p>②</p> <p>20Vp-p (H)</p>	<p>②</p> <p>20Vp-p (H)</p>

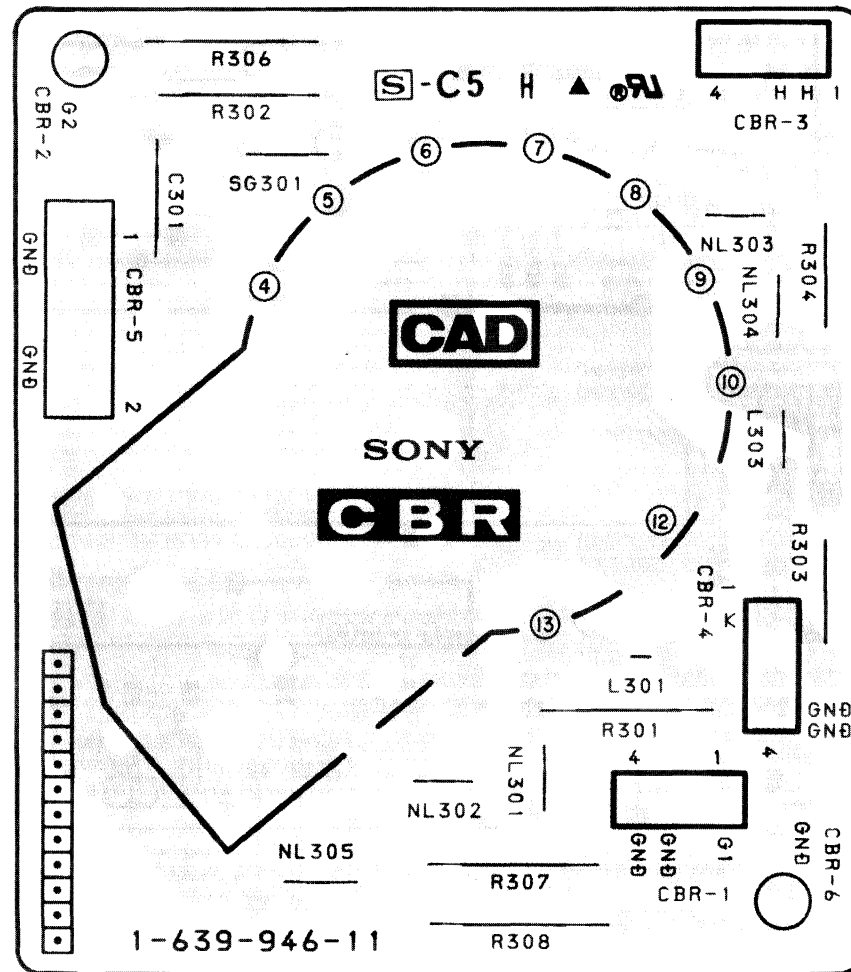
CB R

CB G

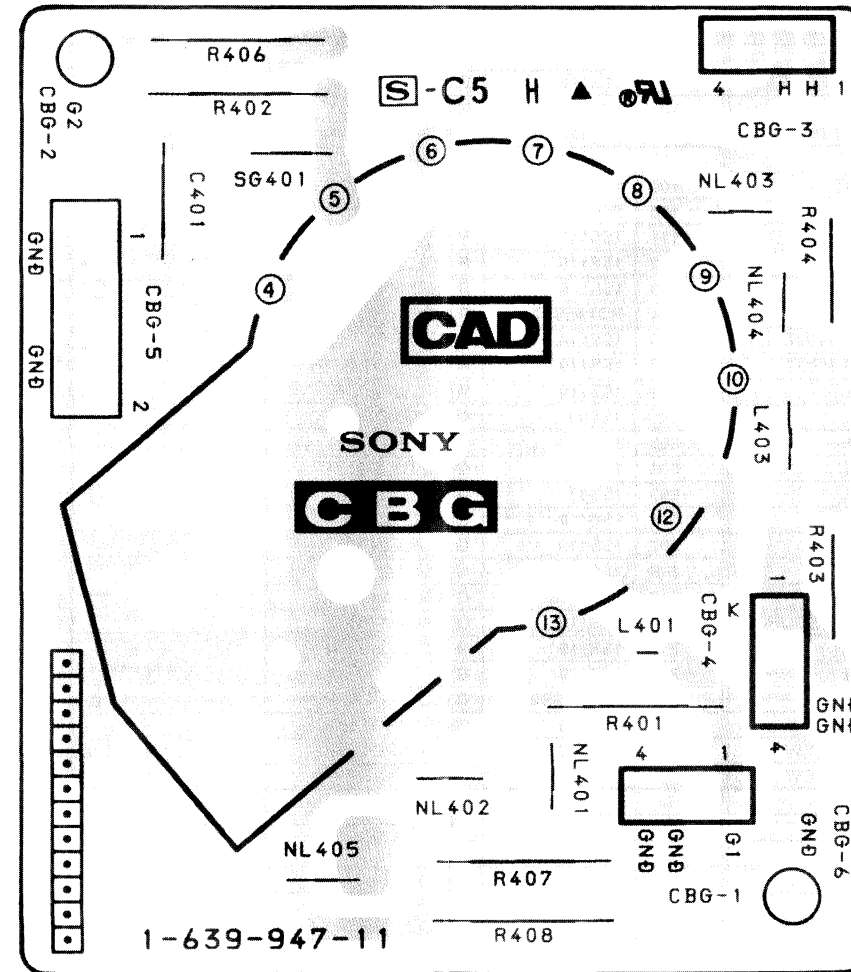
CB B

[CRT SOCKET]

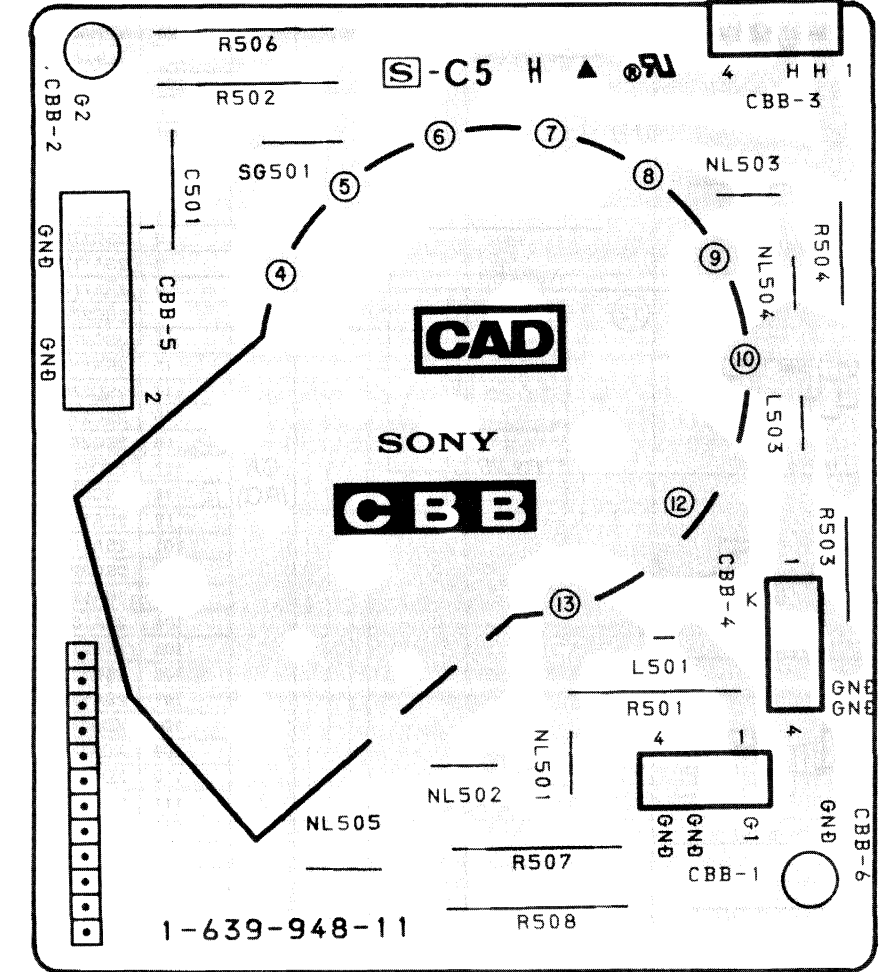
- CB R BOARD -

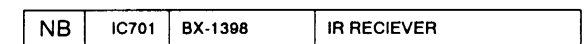


- CB G BOARD -



- CB B BOARD -





CFA

CFB

[FILTER]

VPH-1271Q
RM-1271

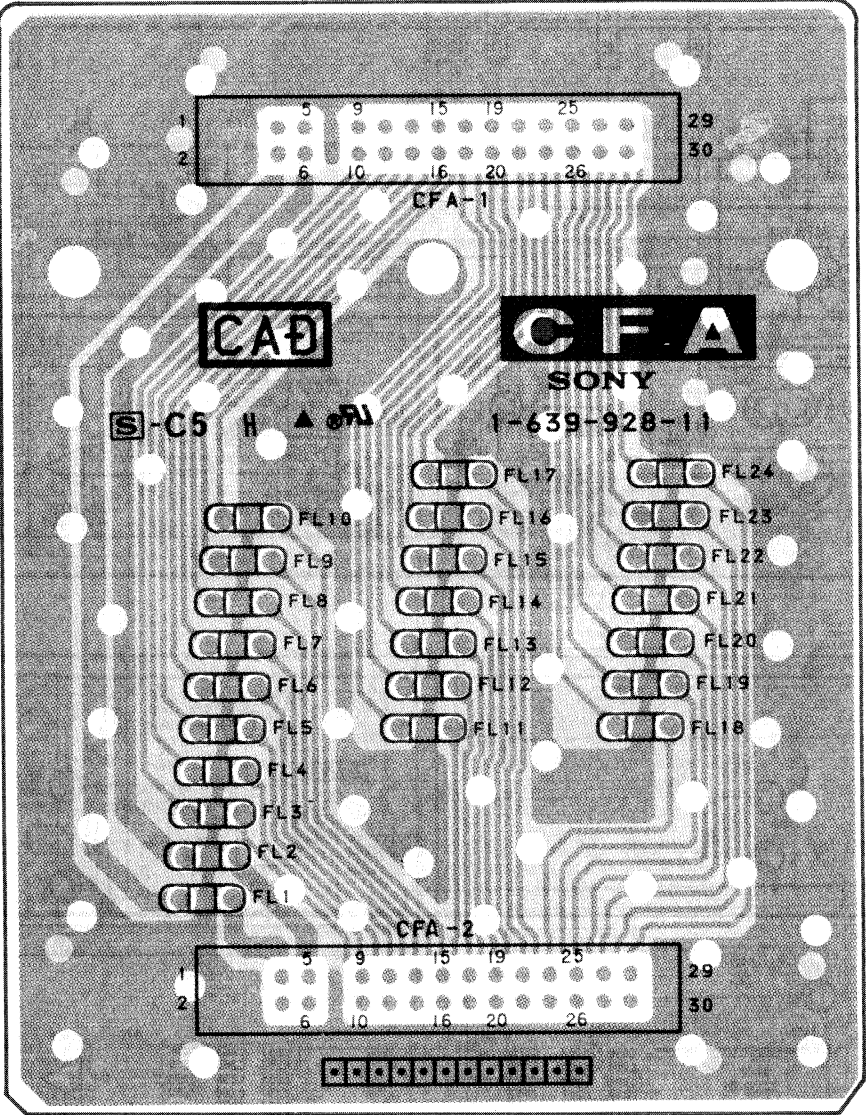
VPH-1271Q
RM-1271

NA

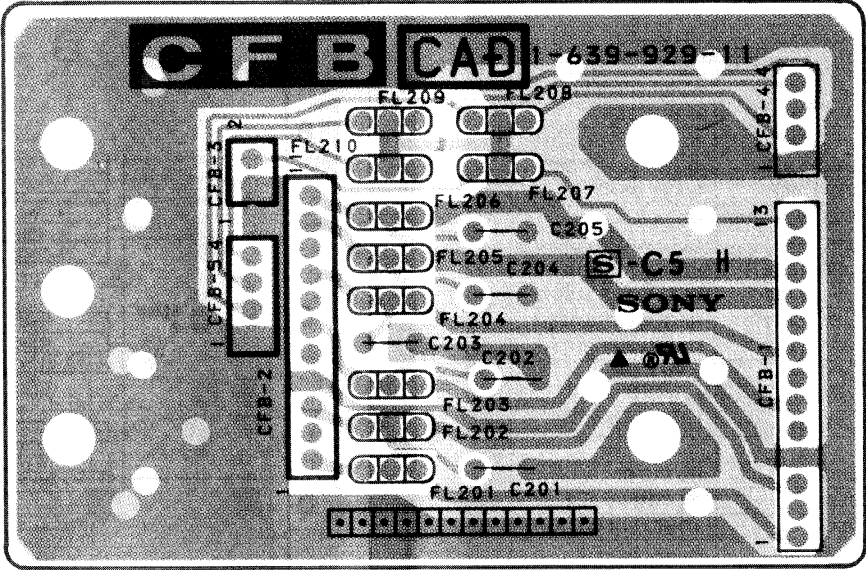
NB

[RECEIVER]

— CFA BOARD —

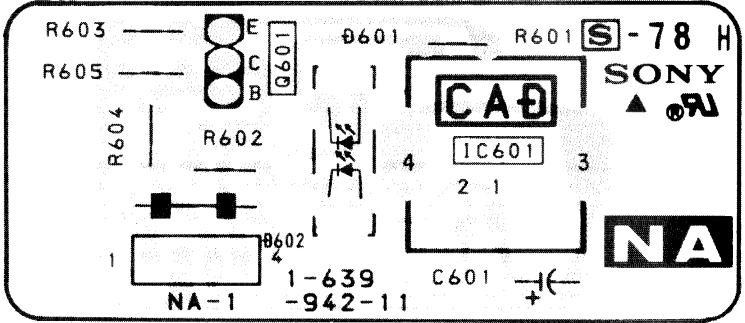


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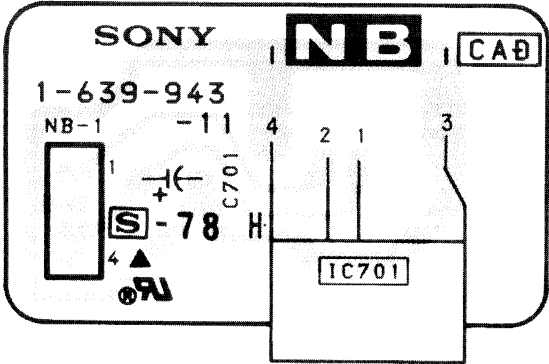


- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

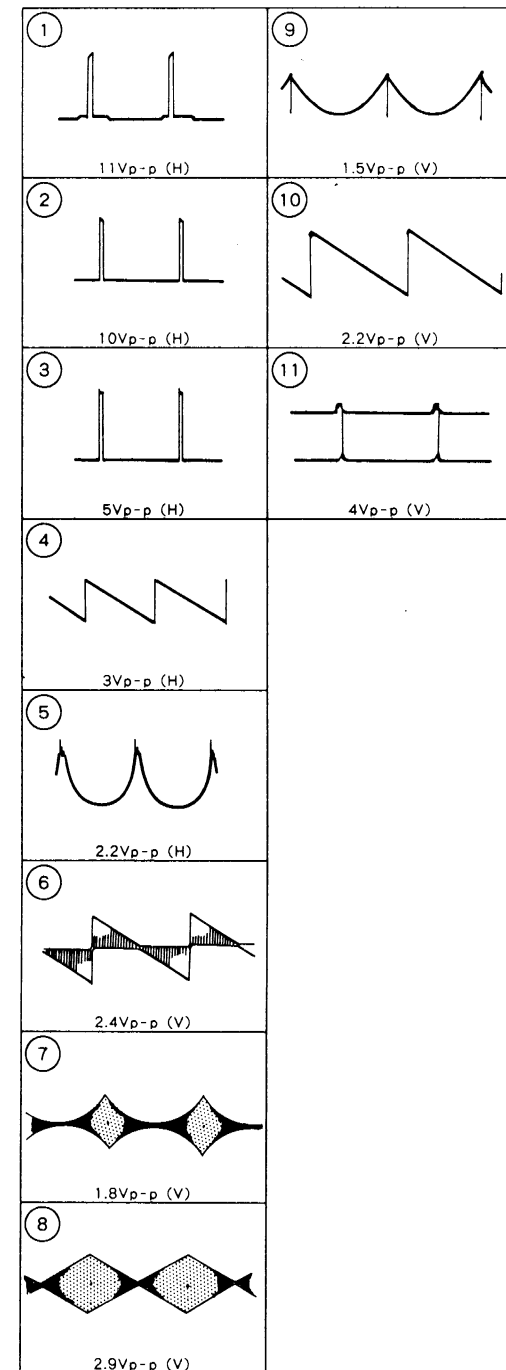
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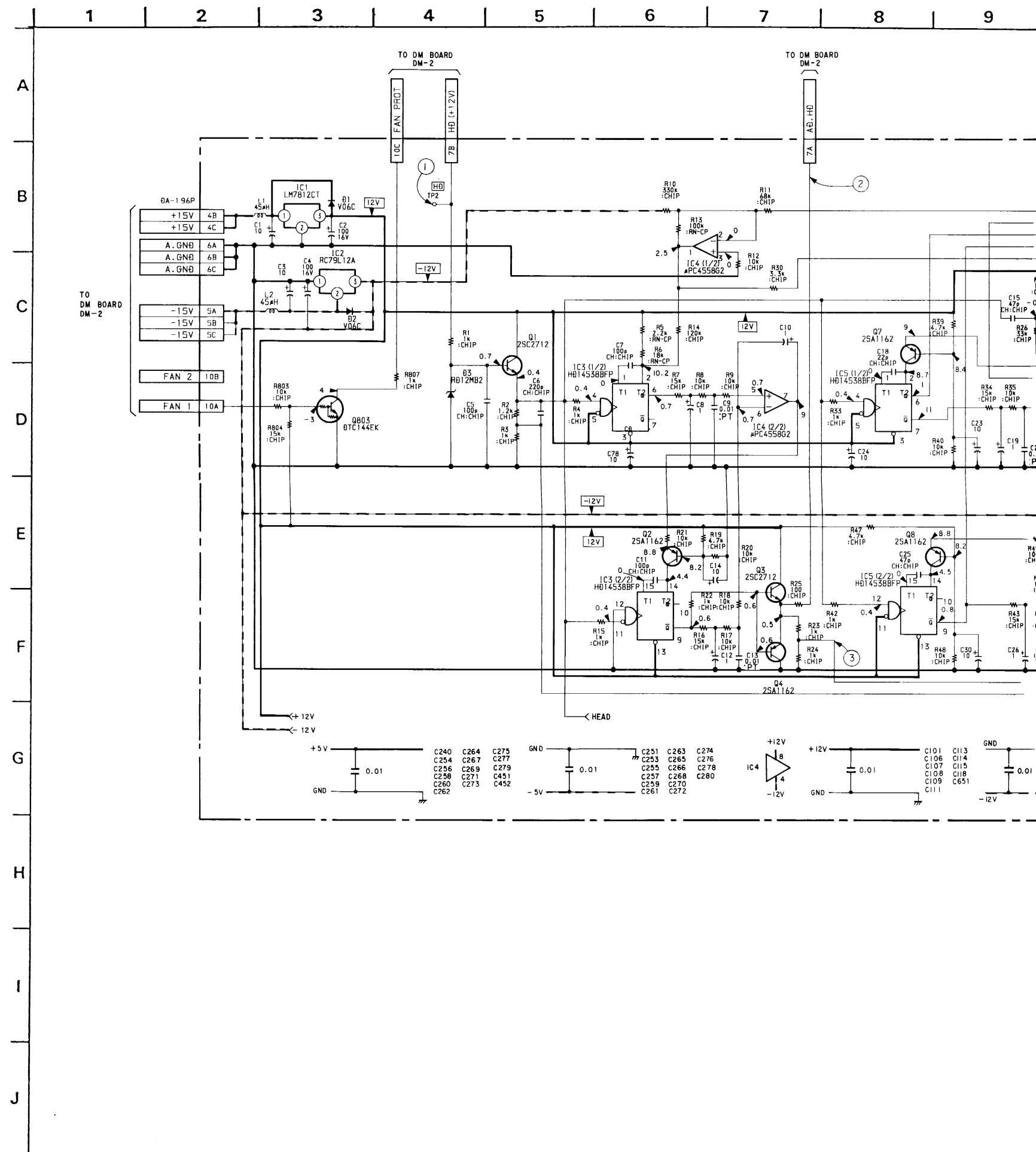
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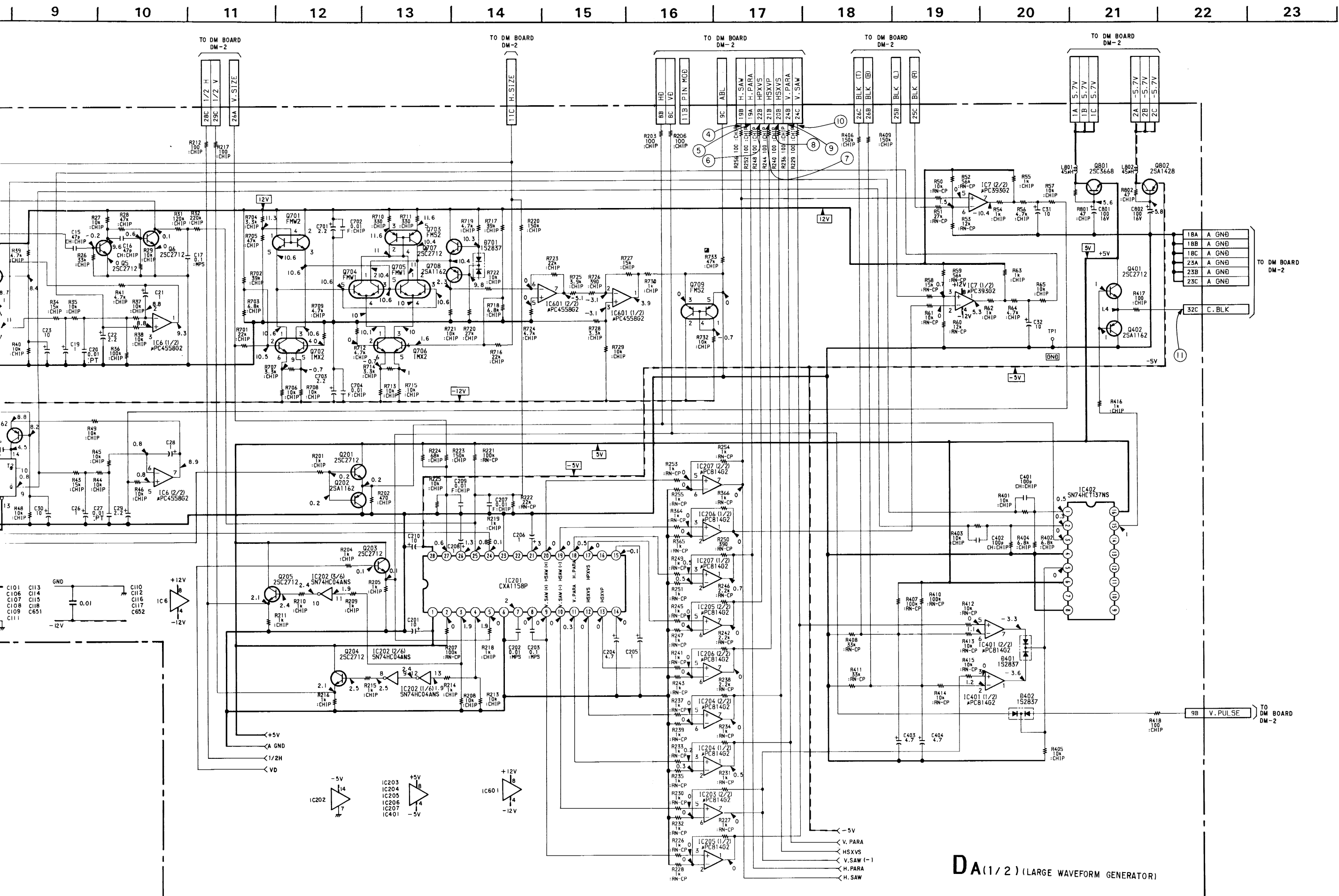


DA BOARD (1/2)



IC1	LN7812CT	+12V REG.
2	RC79L12A	-12V REG.
3	HD14538BFP	AD-HD GEN.
4	μPC4558G2	AD-HD LEVEL COMP.
5	HD14538BFP	H. BLK GEN.
6	μPC4558G2	H. BLK LEVEL COMP.
7	μPC393G2	H. BLK LEVEL DET
201	CXA1158P	WAVE GEN.
202	SN74HC04ANS	INV.
203	μPC814G2	REGI WAVE BUFF-1
204	μPC814G2	REGI WAVE BUFF-2
205	μPC814G2	REGI WAVE BUFF-3
206	μPC814G2	REGI WAVE BUFF-4
207	μPC814G2	REGI WAVE BUFF-5
401	μPC814G2	V. BLK SW
402	SN74HCT137NS	BLK MIX
601	μPC4558G2	LEVEL SHIFT
Q1	2SC2712	HD BUFF
2	2SA1162	V-I CONV-1
3	2SC2712	AD-HD BUFF-1
4	2SA1162	AD-HD BUFF-2
5	2SC2712	HD AMP-1
6	2SC2712	HD AMP-2
7	2SA1162	V-I CONV-2
8	2SA1162	V-I CONV-3
11	2SA1162	V-I CONV-5
201	2SC2712	AD-HD BUFF-1
202	2SA1162	AD-HD BUFF-2
203	2SC2712	VD BUFF
204	2SC2712	1/2 V. BUFF
205	2SC2712	1/2 H. BUFF
401	2SC2712	BLK BUFF-1
402	2SA1162	BLK BUFF-2
701	FMW2	SIZE ABL
702	IMX2	MULTIPLEX-1
703	FMS2	SIZE ABL
704	FMW1	MULTIPLEX-2
705	FMW1	SIZE ABL
706	IMX2	MULTIPLEX-3
707	2SC2712	SIZE ABL
708	2SA1162	MULTIPLEX-4
709	FMS2	SIZE ABL
801	2SC3668	MULTIPLEX-5
802	2SA1428O	SIZE ABL
803	DTC144EK	MULTIPLEX-6
		SIZE ABL
D1	V06C	MULTIPLEX-7
2	V06C	SIZE ABL
3	RD12M-B2	MULTIPLEX-8
207	1S2837	LIMITER
401	1S2837	+5.7V RIPPLE FILTER
402	1S2837	-5.7V RIPPLE FILTER
701	1S2837	FAN PROT

DA
(1/2)




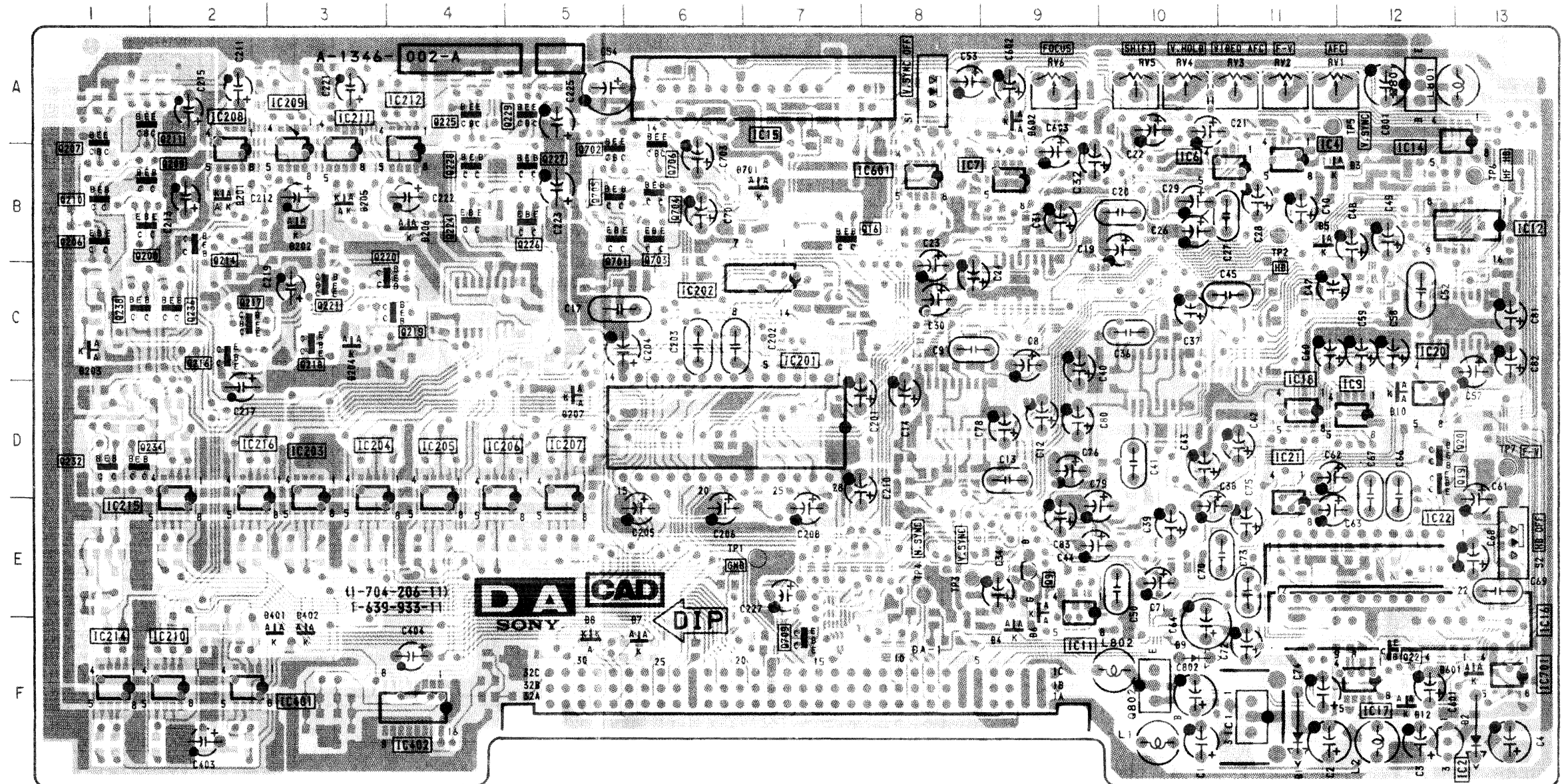
DA

[LARGE WAVEFORM GENERATOR]

**DA BOARD
(COMPONENT SIDE)**

IC		Q220	C-3
IC1	F-11	Q221	C-3
IC2	F-13	Q224	B-4
IC4	B-11	Q225	A-4
IC6	B-11	Q226	B-5
IC7	B-9	Q227	B-5
IC9	D-12	Q228	B-4
IC11	F-9	Q229	A-5
IC12	B-13	Q232	D-1
IC14	B-12	Q234	D-1
IC15	A-7	Q236	C-2
IC16	F-12	Q238	C-1
IC17	F-12	Q701	B-5
IC18	D-11	Q702	B-5
IC20	D-12	Q703	B-6
IC21	E-11	Q704	B-6
IC22	E-12	Q705	B-5
IC201	D-7	Q706	B-6
IC202	C-6	Q709	F-7
IC203	D-3	Q801	A-12
IC204	D-3	Q802	F-10
IC205	D-4		
IC206	D-4		
IC207	D-5		
IC208	A-2		
IC209	A-3		
IC210	F-2		
IC211	A-3		
IC212	A-4		
IC214	F-1		
IC215	D-2		
IC216	D-2		
IC401	F-2		
IC402	F-4		
IC601	B-8		
IC701	F-13		
TRANSISTOR		DIODE	
Q9	E-9	D1	F-11
Q16	B-7	D2	F-13
Q19	D-12	D3	B-12
Q20	D-12	D4	F-9
Q22	F-12	D5	B-11
Q206	B-1	D6	F-9
Q207	B-1	D7	F-7
Q208	B-1	D8	F-5
Q209	B-1	D9	F-10
Q210	B-1	D10	D-12
Q211	A-2	D12	F-12
Q214	B-2	D201	B-2
Q216	C-2	D202	B-3
Q217	C-2	D203	C-1
Q218	C-3	D204	C-3
Q219	C-4	D205	B-3
		D206	B-4
		D207	D-5
		D401	F-3
		D402	F-3
		D601	F-13
		D602	A-9
		D701	B-7
		VARIABLE RESISTOR	
		RV1	A-11
		RV2	A-11
		RV3	A-11
		RV4	A-10
		RV5	A-10
		RV6	A-9

— DA BOARD —
— COMPONENT SIDE —



DA BOARD
(CONDUCTOR SIDE)

IC	
IC1	F-3
IC2	F-1
IC3	D-6
IC5	C-5
IC8	D-4
IC10	C-3
IC13	C-1
IC15	A-7
IC16	F-2
IC22	E-2
IC201	D-8
IC213	C-10

TRANSISTOR

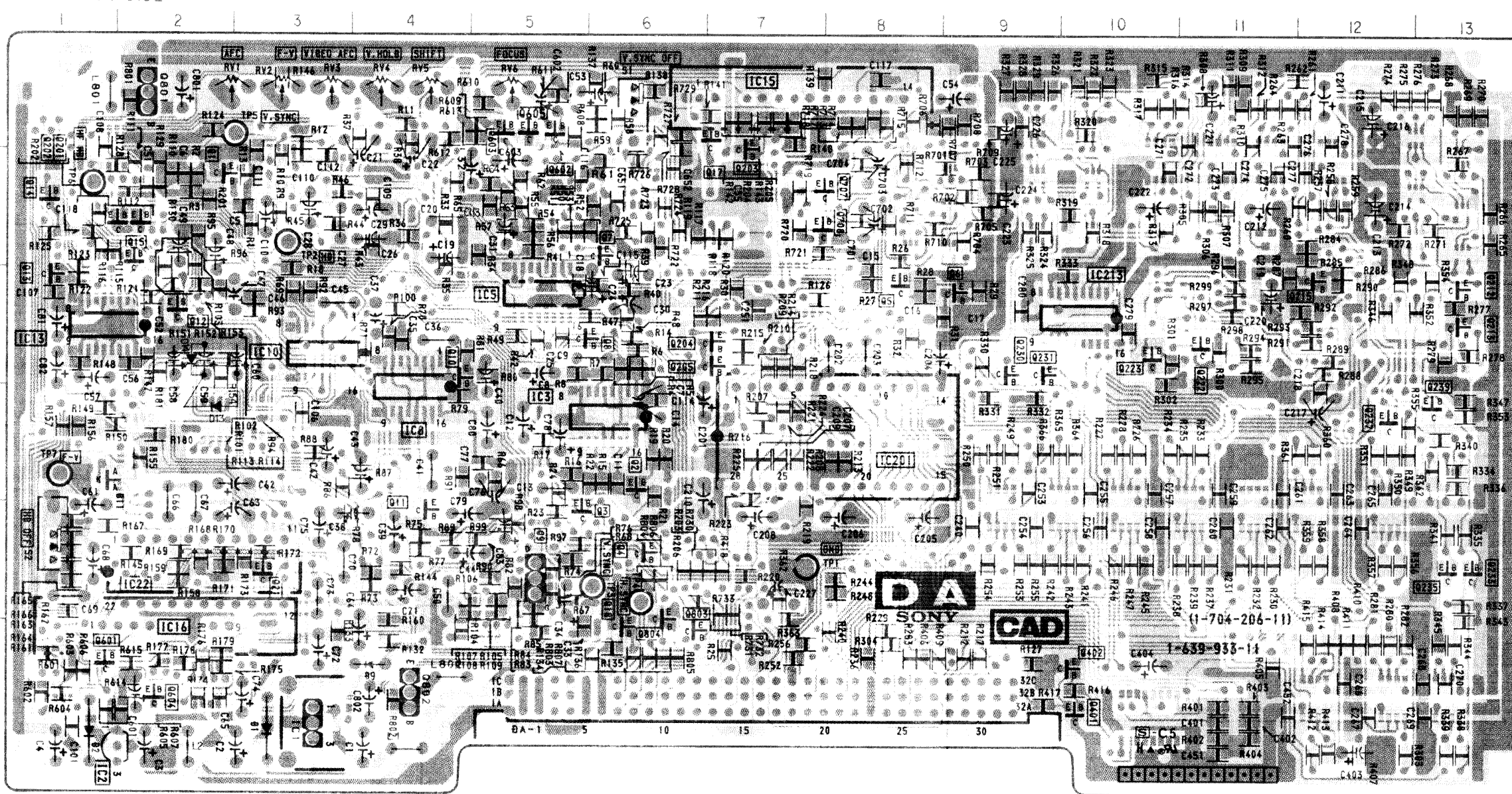
Q1	B-2
Q2	D-6
Q3	E-6
Q4	E-6
Q5	C-8
Q6	C-9
Q7	B-6
Q8	C-6
Q9	E-5
Q10	C-4
Q11	E-4
Q12	C-2
Q13	C-1
Q14	B-1
Q15	B-2
Q17	A-7
Q18	F-6
Q21	E-3
Q201	B-2
Q202	B-2
Q203	B-7
Q204	C-7
Q205	C-7
Q212	C-13
Q213	C-13
Q215	C-12
Q222	C-11
Q223	C-10
Q230	C-9
Q231	C-9
Q233	E-13
Q235	E-13
Q237	D-12
Q238	D-13
Q401	F-10
Q402	F-10
Q601	F-1
Q602	A-5
Q603	A-5
Q604	F-2
Q605	A-5
Q707	B-8
Q708	B-8
Q801	A-2
Q802	F-4
Q803	F-6
Q804	F-6

DIODE

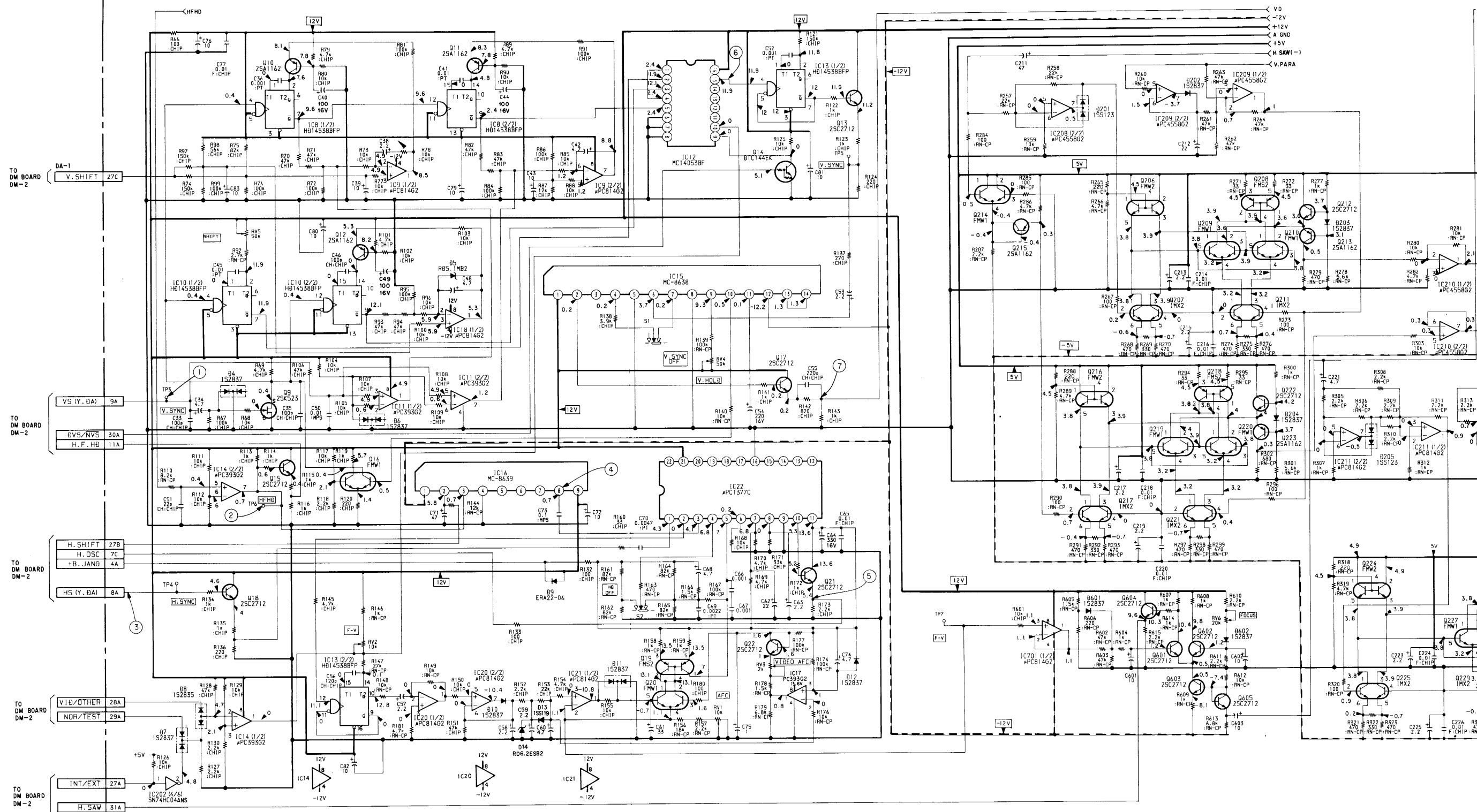
D1	F-3
D2	F-1
D9	F-4
D11	D-1
D13	D-2
D14	C-2

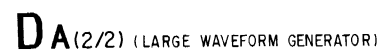
VARIABLE RESISTOR

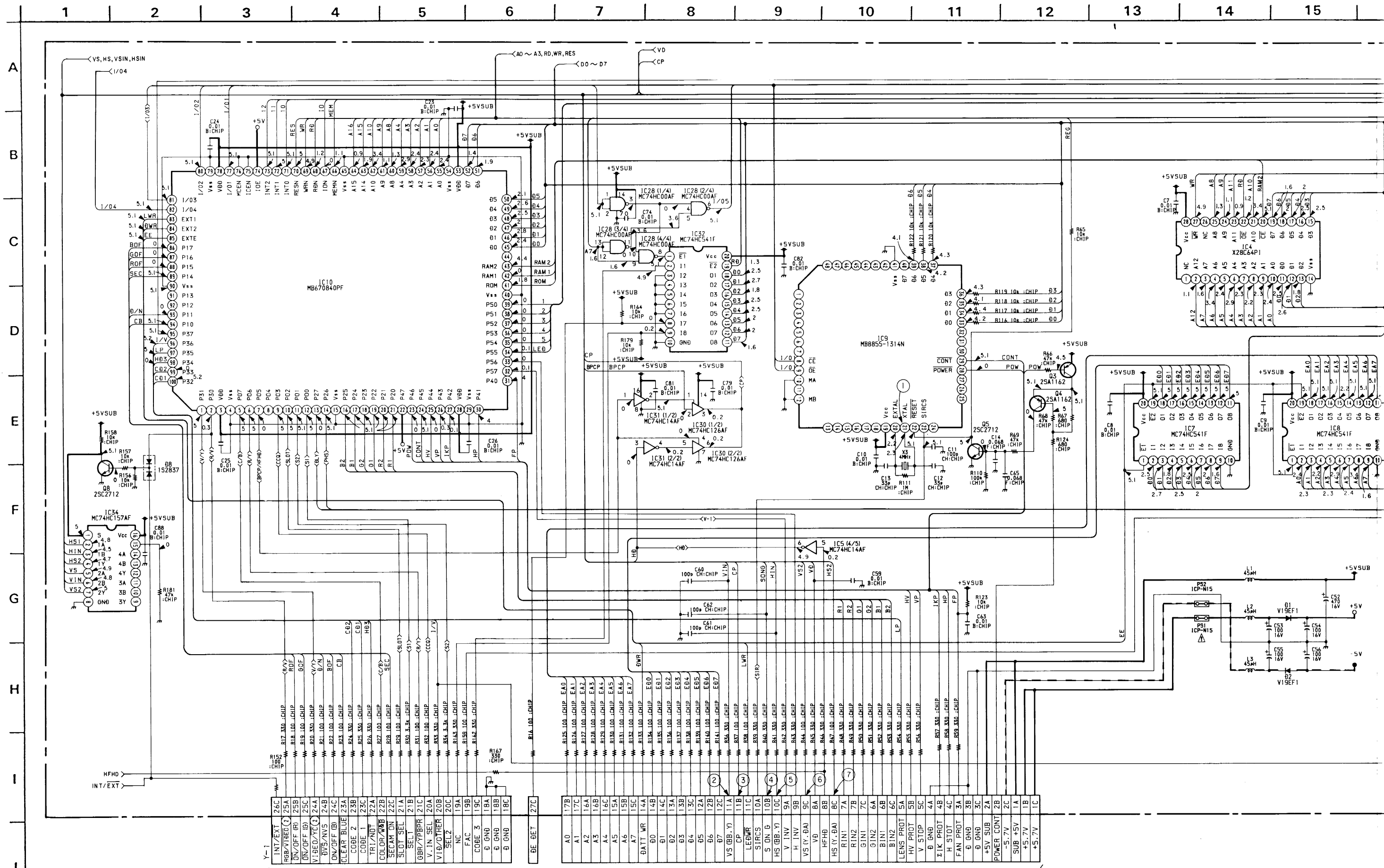
RV1	A-2
RV2	A-3
RV3	A-3
RV4	A-4
RV5	A-4

- DA BOARD -
- CONDUCTOR SIDE -


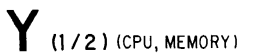
- Pattern from the side which enables seeing.
- Pattern of the rear side.





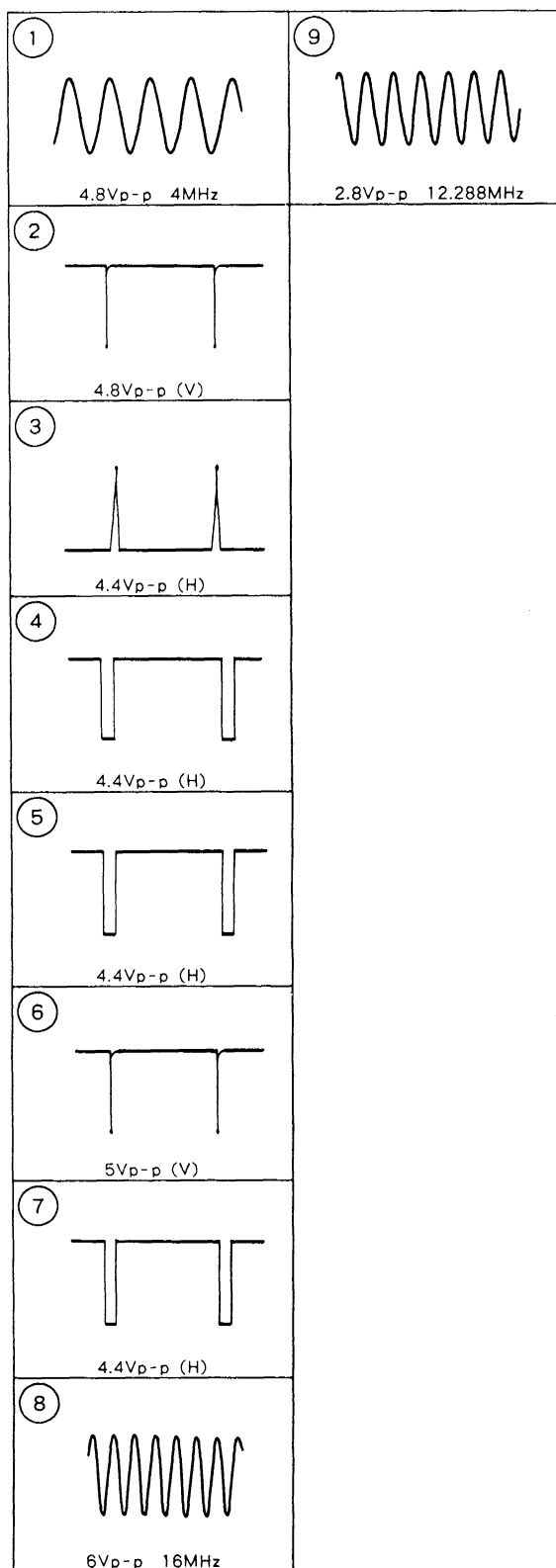


TO DM BOARD
DM-1

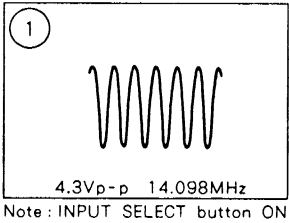


Y BOARD (1/2)

Y (1/2)	IC1	HD64180R1PB	CPU
	2	MBM27C512P	Program Rom
	3	CXK5864BM-12L	RAM
	4	X28C64PI	EE PROM.
	5	MC74HC14AF	Inverter
	6	TC74HC123AF	Wait control&reform, H-SYNC pulse
	7	MC74HC541F	Data Bus Buffer
	8	MC74HC541F	Address Bus Buffer
	9	MB8855-1314N	Sircs Decode
	10	MB670840PF	Address Encode/Parallel Interface/Interrupt Control
	11	MB654842UPF	SYNC Control& CLAMP Pulse Gen.
	12	MB671489PF	fr/fv detect
	24	MC34051P	RS422 line Driver/Reciver
	28	MC74HC00AF	Address Encode
	29	TC74HC123AF	V-SYNC Detect
	30	MC74HC126AF	Clamp pluse Select
	31	MC74HC14AF	Inverter
	32	MC74HC541F	In-port
	33	RH5VA43AA	CPU&SIRCS IC Reset
	34	MC74HC157AF	H-SYNC Select
	Q3	2SA1162	Power control Drive
	4	2SA1162	Power Down Detect
	5	2SC2712	Sircs IC Reset
	7	2SC2712	LED Drive
	8	2SC2712	Buffer
	D1	V19EF1	Voltage Drop Diode
	2	V19EF1	Voltage Drop Diode
	4	LN25RP	LED
	5	1S2835	OSC Kill
	8	1S2837	Diode OR for SYNC Sel
	9	1S2835	Diode AND for Reset

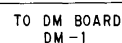


Y BOARD (2/2)



Y (2/2)	IC13	MB605195	Character&Test pattern Gen.
	14	CXK5814P-45L	Character Display RAM
	15	CXK3864-040M	Character font ROM No.1
	16	CXK3864-041M	Character font ROM No.2
	17	CXK3864-042M	Character font ROM No.3
	18	MC10124L	Character&Test pattern signal,
	19	MC10124L	Character signal, TTL → ECL Translation
	20	CX23065A	Phase Comparater
	21	SN74S124N	Dual Voltage Controlled Osc.
	22	μPC393G2	Window Comparater
	23	MC74F00M	VCO Select
	25	μPC814G2	Voltage Comparater
	26	MC74HC00AF	VD Shift for Character Gen.
	27	SN74HC107ANS	VD Shift for Character Gen.
	Q6	2SC2712	Buffer
	9	2SA1162	Buffer
	D7	1S2835	Pulse Rect.





Y

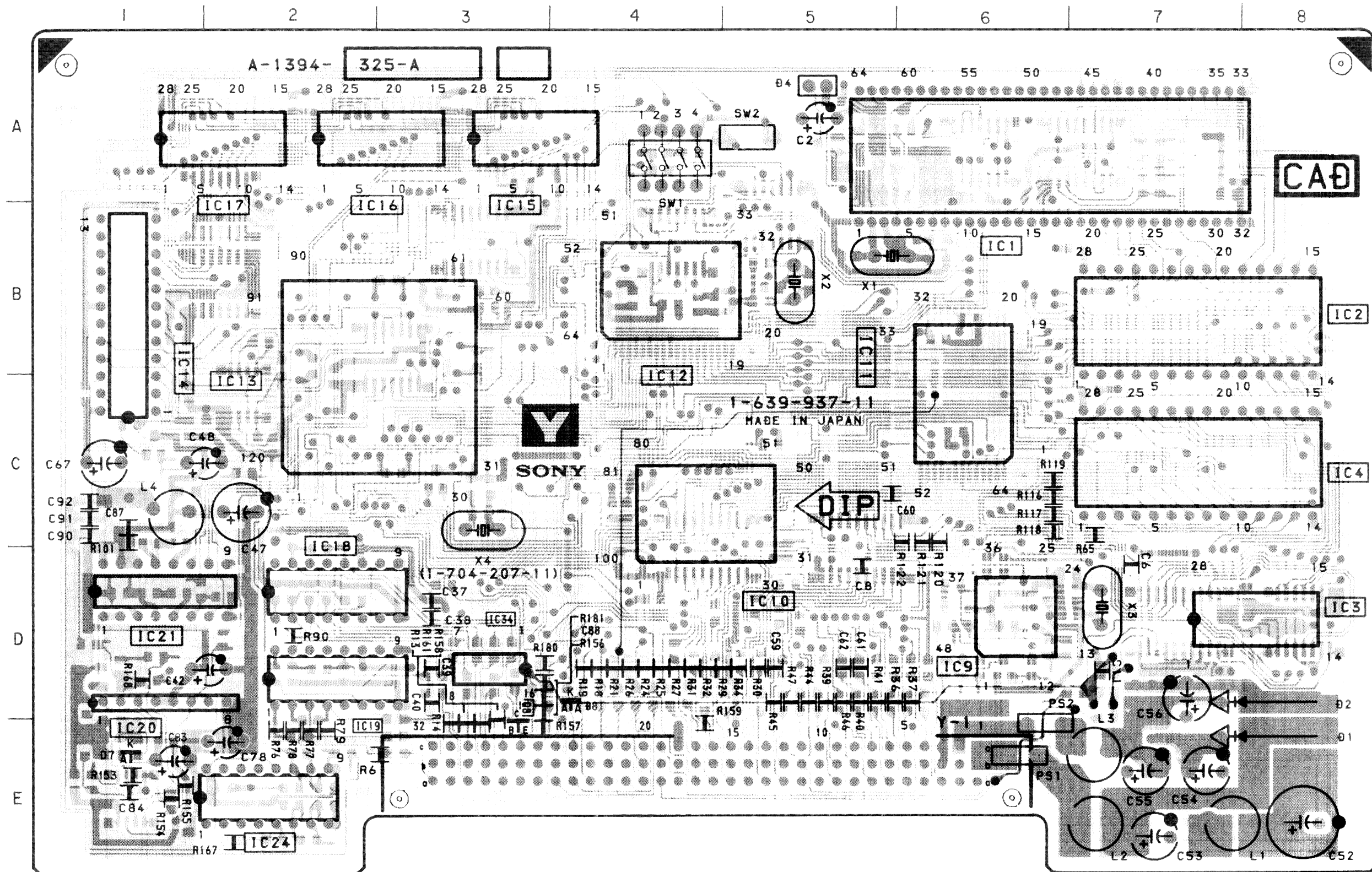
[CPU MEMORY]

- Y BOARD -

- COMPONENT SIDE -

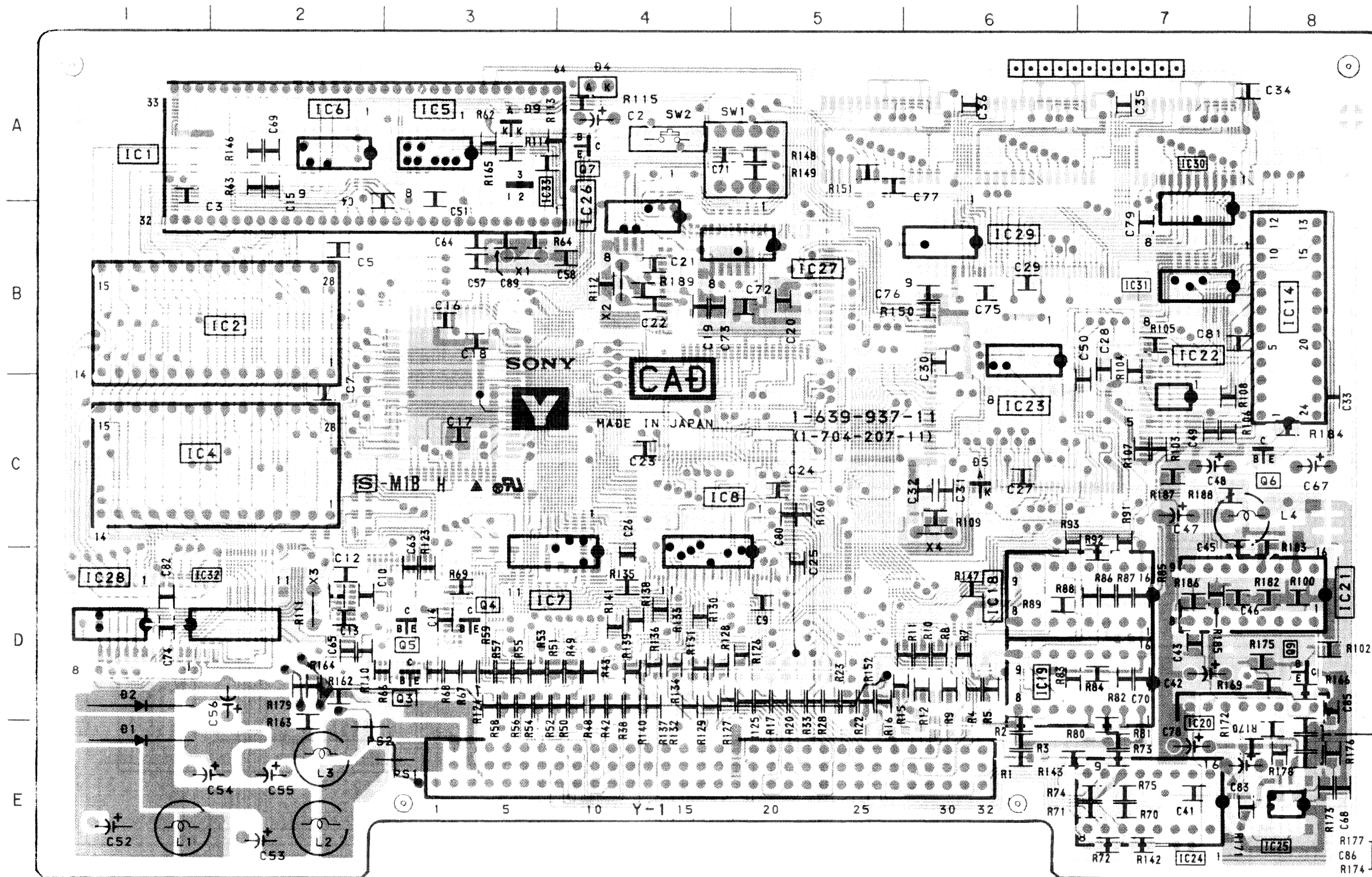
Y BOARD
(COMPONENT SIDE)

IC	
IC1	A-6
IC2	B-8
IC3	D-8
IC4	C-8
IC9	D-6
IC10	C-4
IC11	C-6
IC12	B-4
IC13	C-2
IC14	B-1
IC15	A-3
IC16	A-2
IC17	A-2
IC18	D-2
IC19	D-2
IC20	D-1
IC21	D-1
IC24	E-2
IC34	D-3
TRANSISTOR	
Q8	D-3
DIODE	
D1	E-8
D2	D-8
D4	A-5
D7	E-1
D8	D-4



Y BOARD -
CONDUCTOR SIDE -

Y BOARD
(CONDUCTOR SIDE)

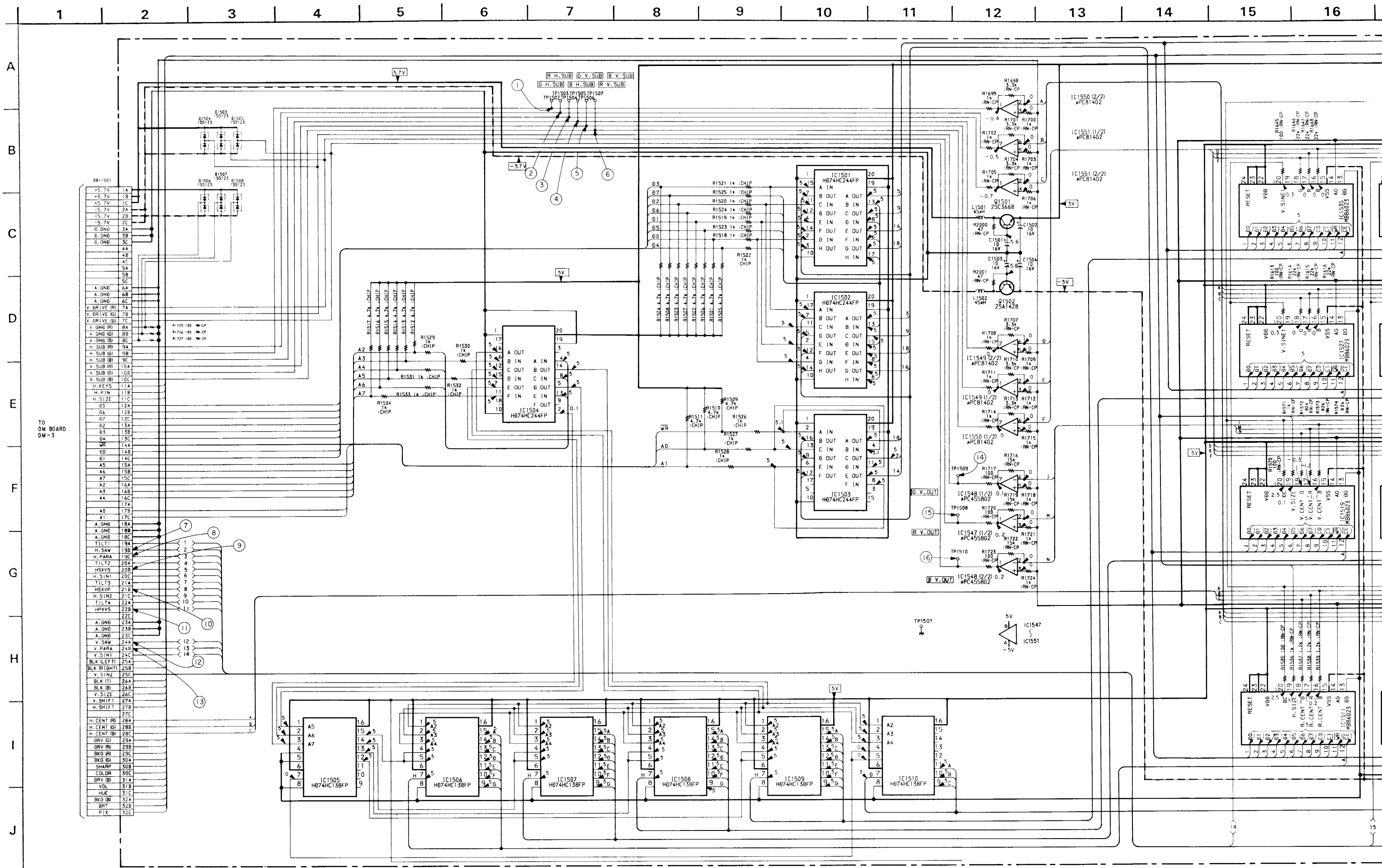


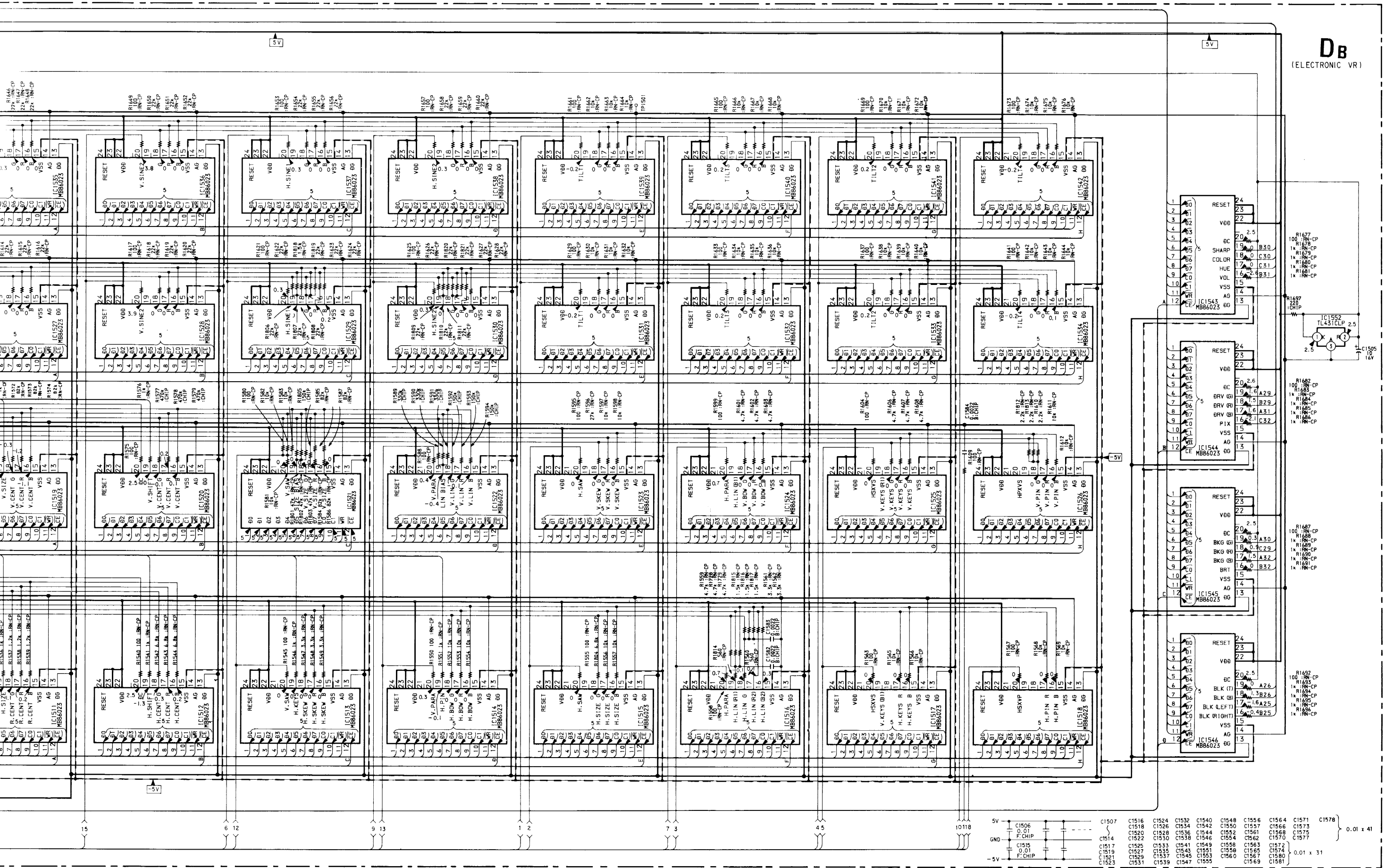
IC	
IC1	A-1
IC2	B-2
IC4	C-1
IC5	A-3
IC6	A-2
IC7	D-3
IC8	C-4
IC14	B-8
IC18	D-6
IC19	D-6
IC20	D-7
IC21	D-8
IC22	C-7
IC23	B-6
IC24	E-7
IC25	E-8
IC26	B-4
IC27	B-5
IC28	D-1
IC29	B-6
IC30	B-7
IC31	B-7
IC32	D-2
IC33	A-3

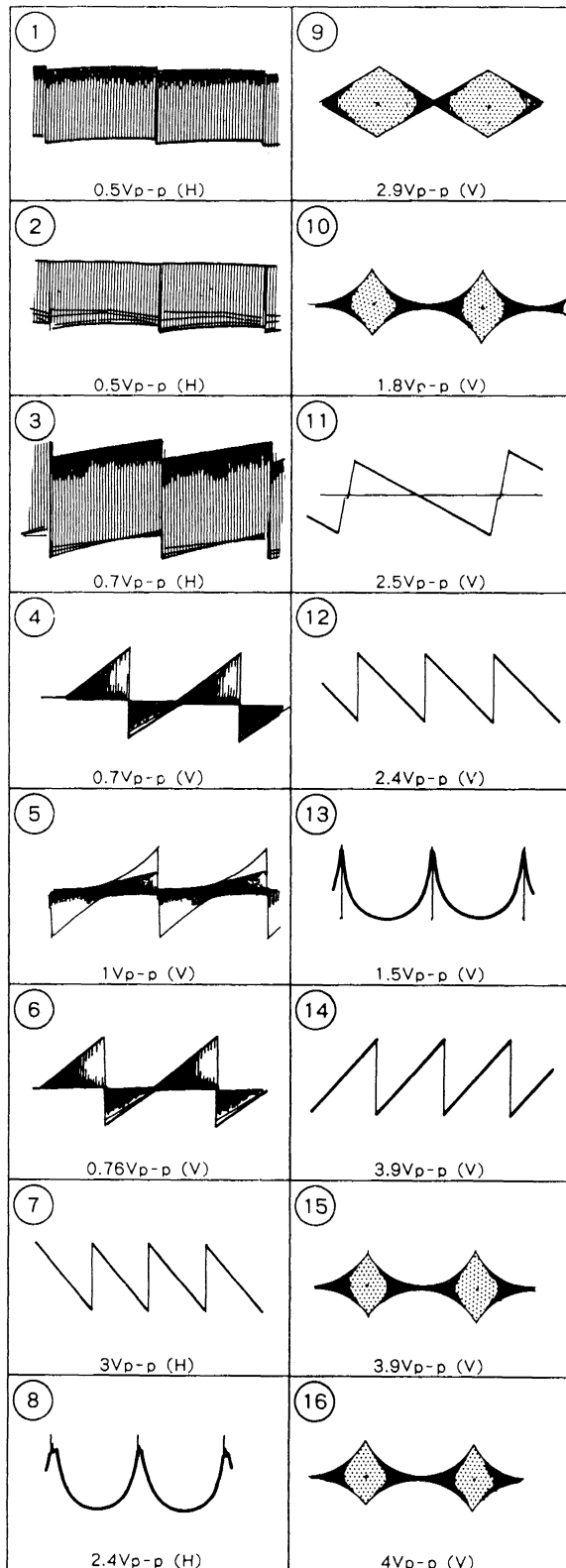
TRANSISTOR	
Q3	D-3
Q4	D-3
Q5	D-3
Q6	C-8
Q7	A-4
Q9	D-8

DIODE	
D1	E-1
D2	D-1
D4	A-4
D5	C-6
D9	A-3

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.
- : Pattern of second and third layer.



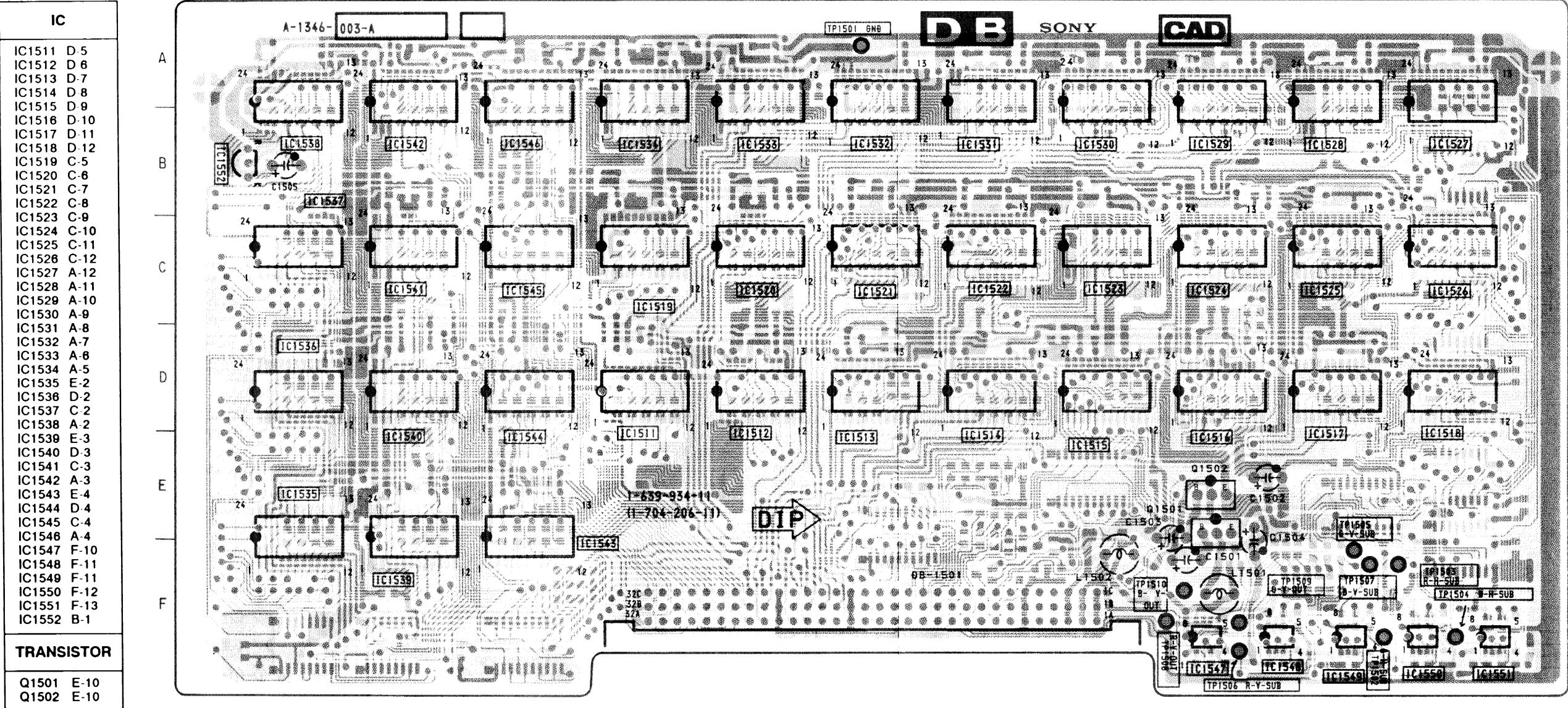




DB	IC1501	HD74HC244FP	DATA BUS BUFF-1
	1502	HD74HC244FP	DATA BUS BUFF-2
	1503	HD74HC244FP	ADDRESS BUS BUFF-1
	1504	HD74HC244FP	ADDRESS BUS BUFF-2
	1505	HD74HC138FP	ADDRESS DECODE-1
	1506	HD74HC138FP	ADDRESS DECODE-2
	1507	HD74HC138FP	ADDRESS DECODE-3
	1508	HD74HC138FP	ADDRESS DECODE-4
	1509	HD74HC138FP	ADDRESS DECODE-5
	1510	HD74HC138FP	ADDRESS DECODE-6
	1511	MB86023	H CENT. CONT-1
	1512	MB86023	H CENT. CONT-2
	1513	MB86023	H.SKEW CONT
	1514	MB86023	H.BOW CONT
	1515	MB86023	H.SIZE CONT
	1516	MB86023	H.LIN CONT
	1517	MB86023	H.KEYS CONT
	1518	MB86023	H.PIN CONT
	1519	MB86023	V CENT. CONT-1
	1520	MB86023	V CENT. CONT-2
	1521	MB86023	V.SIZE CONT
	1522	MB86023	V.LIN CONT
	1523	MB86023	V.SKEW CONT
	1524	MB86023	V.BOW CONT
	1525	MB86023	V.KEYS CONT
	1526	MB86023	V.PIN CONT
	1527	MB86023	H. ZONE CONT-1
	1528	MB86023	H. ZONE CONT-2
	1529	MB86023	H. ZONE CONT-3
	1530	MB86023	H. ZONE CONT-4
	1531	MB86023	H. ZONE CONT-5
	1532	MB86023	H. ZONE CONT-6
	1533	MB86023	H. ZONE CONT-7
	1534	MB86023	H. ZONE CONT-8
	1535	MB86023	V. ZONE CONT-1
	1536	MB86023	V. ZONE CONT-2
	1537	MB86023	V. ZONE CONT-3
	1538	MB86023	V. ZONE CONT-4
	1539	MB86023	V. ZONE CONT-5
	1540	MB86023	V. ZONE CONT-6
	1541	MB86023	V. ZONE CONT-7
	1542	MB86023	V. ZONE CONT-8
	1543	MB86023	USER CONT
	1544	MB86023	DRV. CONT
	1545	MB86023	BKG CONT
	1546	MB86023	BLK CONT
	1547	μ PC4558G2	V.OUT-1
	1548	μ PC4558G2	V.OUT-2
	1549	μ PC814G2	SUB OUT-1
	1550	μ PC814G2	SUB OUT-2
	1551	μ PC814G2	SUB OUT-3
	1552	TL431CLP	+2.5V reg
	Q1501	2SC3688	+5.7V LIPPLE FILTER
	1502	2SA1428O	-5.7V LIPPLE FILTER
	D1503	1SS123	PROT-1
	1504	1SS123	PROT-2
	1505	1SS123	PROT-3
	1506	1SS123	PROT-4
	1507	1SS123	PROT-5
	1508	1SS123	PROT-6

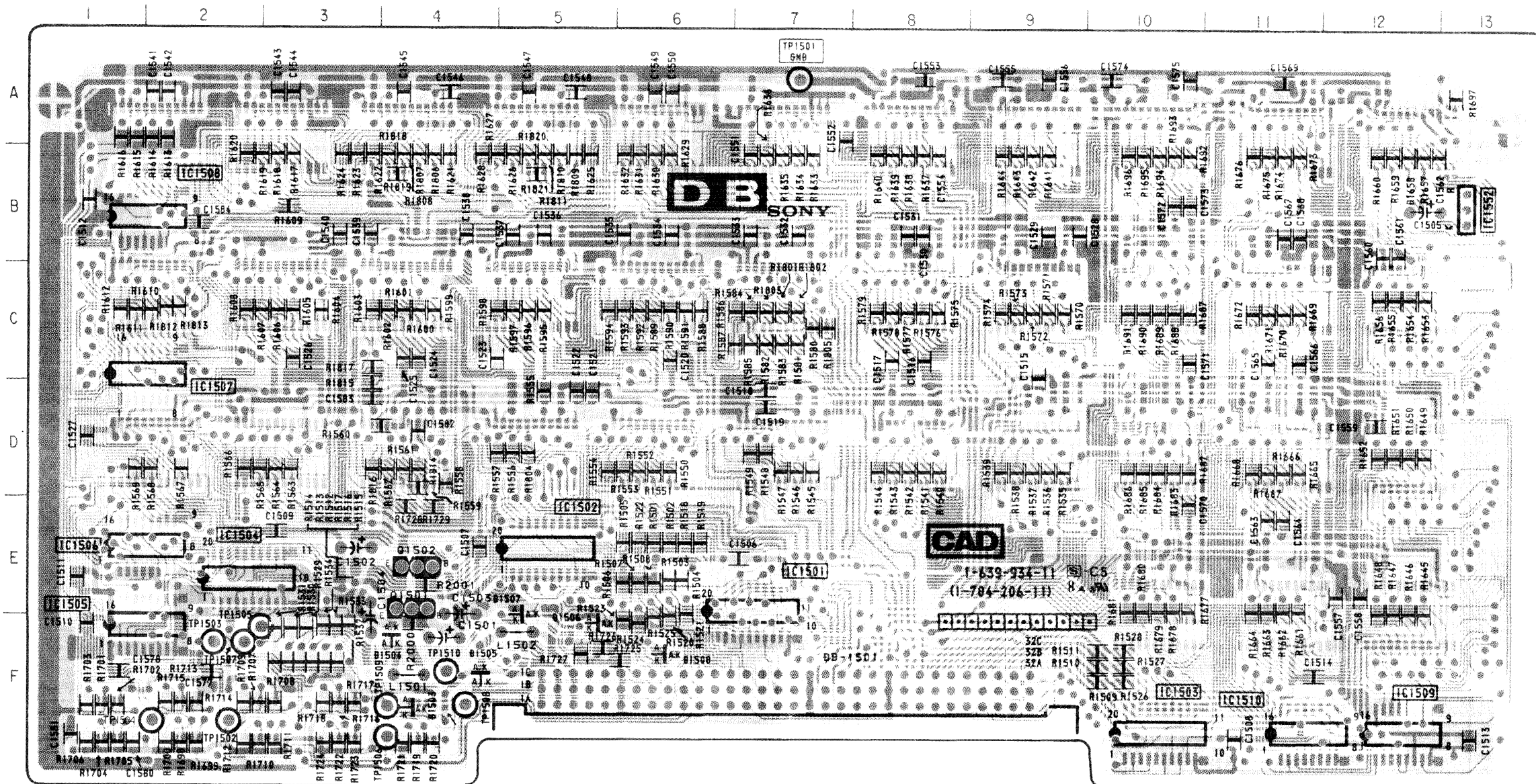
DB BOARD -
COMPONENT SIDE -

DB BOARD
(COMPONENT SIDE)



- DB BOARD -

- CONDUCTOR SIDE -

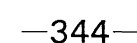

DB BOARD
(CONDUCTOR SIDE)

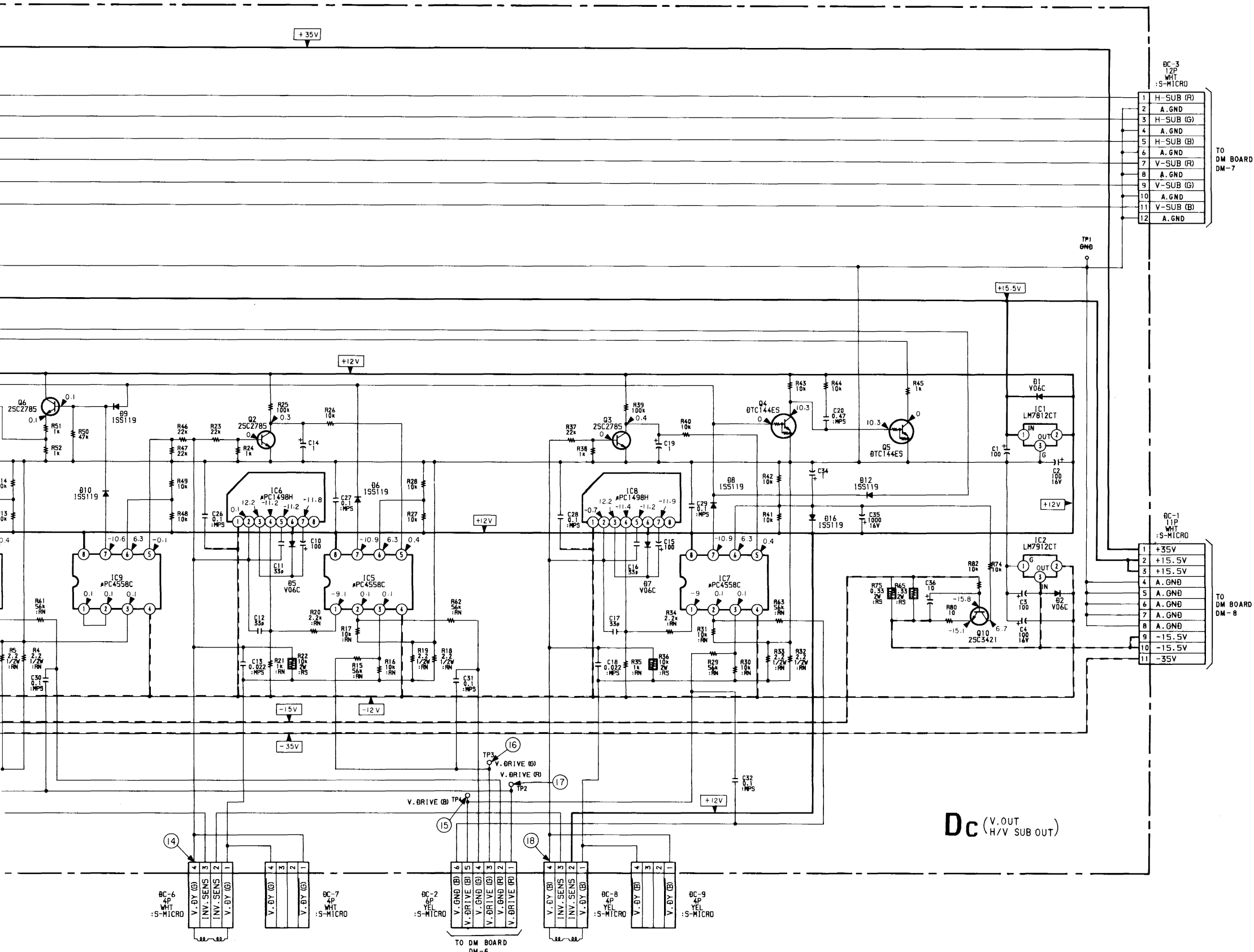
IC	
IC1501	E-7
IC1502	E-5
IC1503	F-10
IC1504	E-2
IC1505	F-1
IC1506	E-1
IC1507	C-2
IC1508	B-2
IC1509	F-12
IC1510	F-11
IC1552	B-13

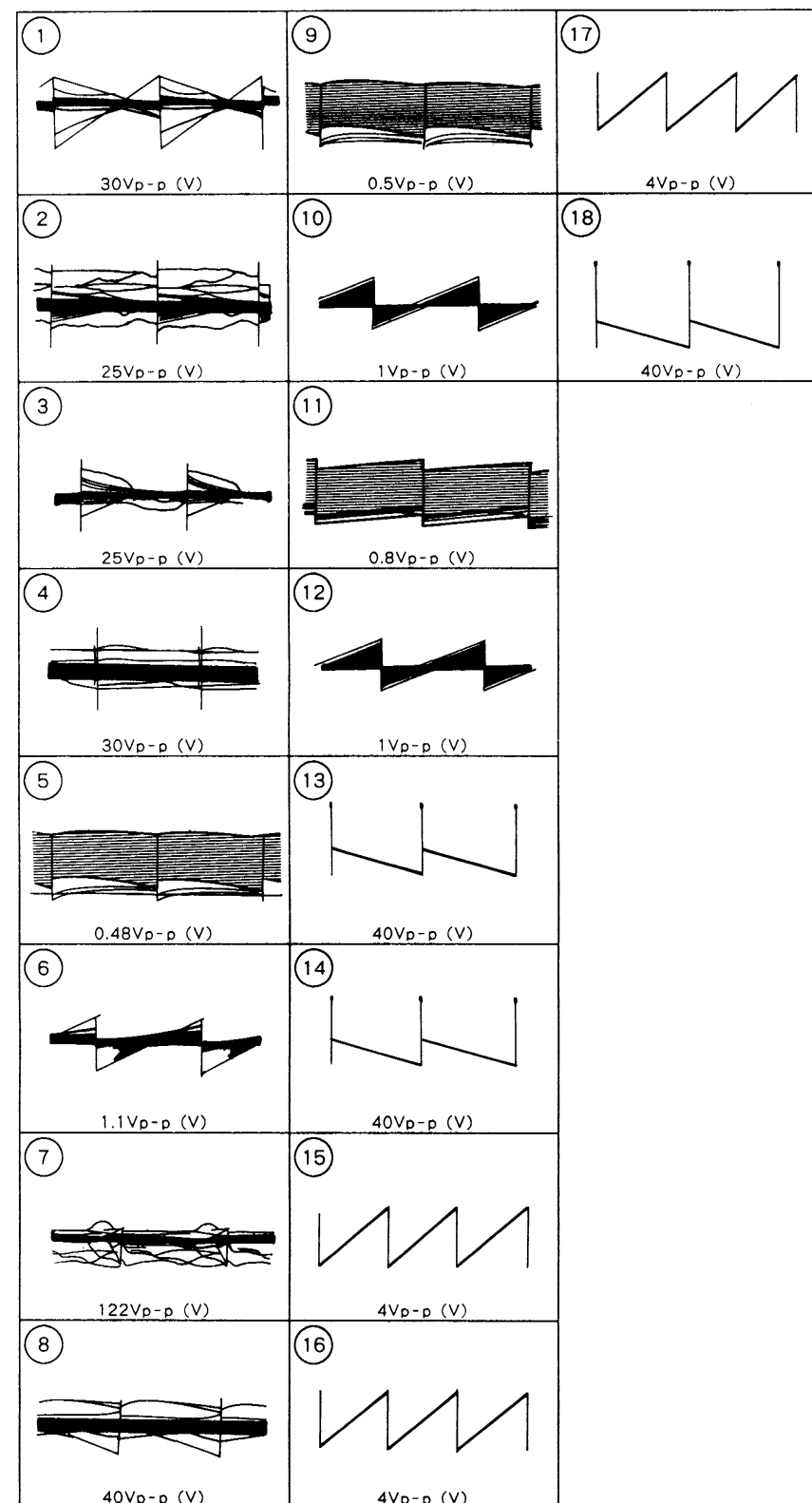
TRANSISTOR	
Q1501	E-4
Q1502	E-4

DIODE	
D1503	F-4
D1504	F-4
D1505	F-4
D1506	F-5
D1507	E-5
D1508	F-6

- Pattern from the side which enables seeing.
- Pattern of the rear side.





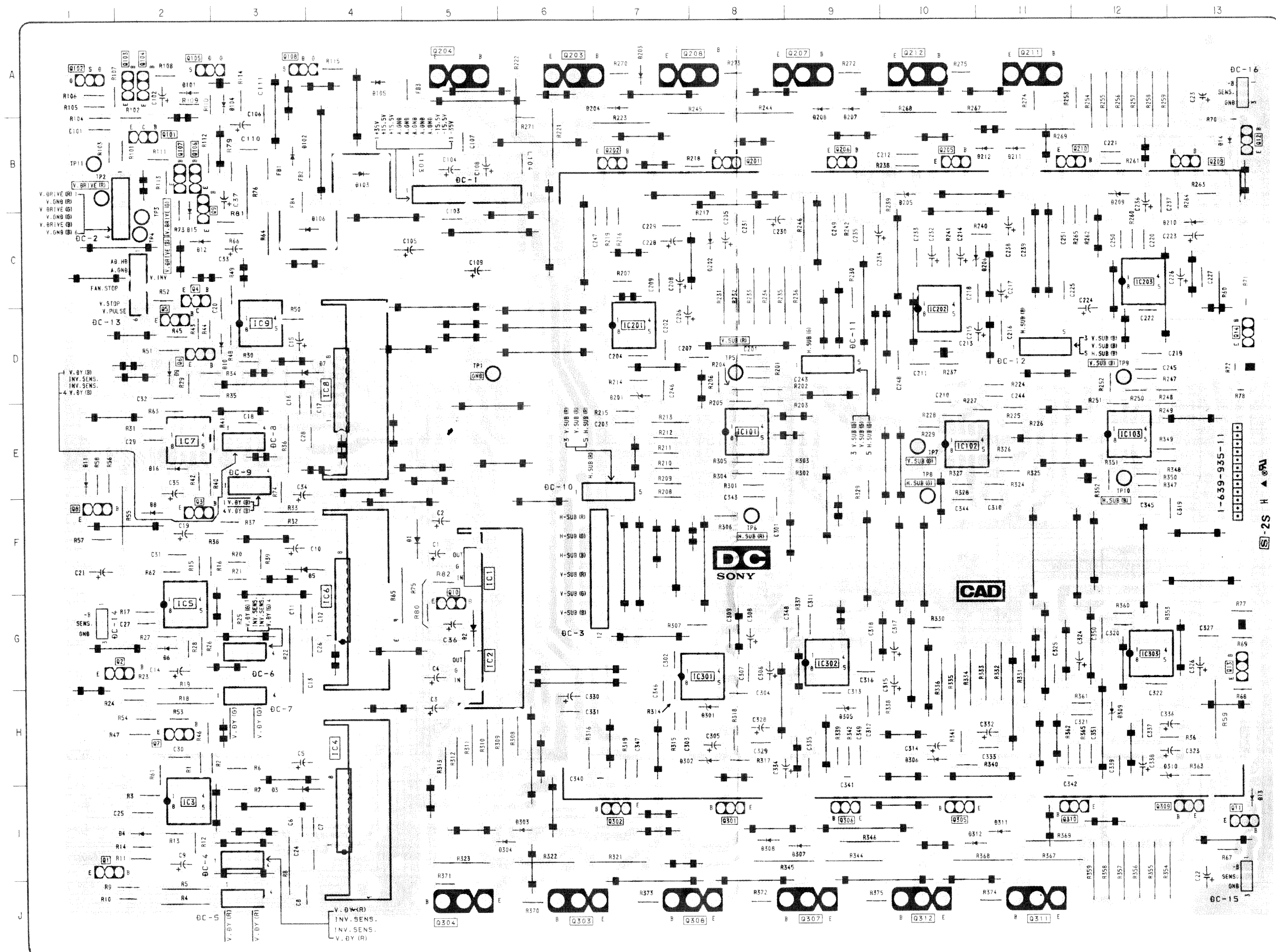


DC	IC1	LM7812CT	+12V REG	305	2SA1358	G-H SUB ACTIVE LOAD
	2	LM7812CT	-12V REG	306	2SC3421	G-H SUB DRIVE
	3	μPC4558C	R-V AMP	307	2SD1977	G-H SUB BUFF-1
	4	μPC1498H	R-V OUT	308	2SB1315	G-H SUB BUFF-2
	5	μPC4558C	G-V AMP	309	2SA1358	B-H SUB ACTIVE LOAD
	6	μPC1498H	G-V OUT	310	2SC3421	B-H SUB DRIVE
	7	μPC4558C	B-V AMP	311	2SD1977	B-H SUB BUFF-1
	8	μPC1498H	B-V OUT	312	2SB1315	B-H SUB BUFF-2
	9	μPC4558C	V.Pulse GEN			
	101	μPC814C	R-SUB AMP	D1	V06C	+12V REG PROT
	102	μPC814C	G-SUB AMP	2	V06C	-12V REG PROT
	103	μPC814C	B-SUB AMP	3	V06C	Pulse CHARGE-1
	201	LM6364N	R-V SUB PRE DRIVE	4	1SS119	GATE-1
	202	LM6364N	G-V SUB PRE DRIVE	5	V06C	Pulse CHARGE-2
	203	LM6364N	B-V SUB PRE DRIVE	6	1SS119	GATE-2
	301	LM6364N	R-H SUB PRE DRIVE	7	V06C	Pulse CHARGE-3
	302	LM6364N	G-H SUB PRE DRIVE	8	1SS119	GATE-3
	303	LM6364N	B-H SUB PRE DRIVE	9	1SS119	GATE-4
				10	1SS119	GATE-5
	Q1	2SC2785	V.Pulse DET-1	11	1SS119	PROT-1
	2	2SC2785	V.Pulse DET-2	12	1SS119	GATE-6
	3	2SC2785	V.Pulse DET-3	13	1SS119	PROT-2
	4	DTC144ES	V.STOP CONT SW-1	15	1SS119	DISCHARGE-1
	5	DTC144ES	V.STOP CONT SW-2	16	1SS119	DISCHARGE-2
	6	2SC2785	V.Pulse BUFF	101	1SS119	CLAMP-1
	7	DTC144ES	V.INV SW	102	ERC88-009	+P VOLT GATE-1
	8	DTC144ES	FAN STOP-1	103	ERC88-009	+P VOLT GATE-2
	9	2SA1358	+15V CORRENT PROT	104	1SS119	CLAMP-2
	10	2SC3421	-15V CORRENT PROT	105	ERC88-009	-P VOLT GATE-1
	11	DTC144ES	FAN STOP-2	106	ERC88-009	-P VOLT GATE-2
	13	DTC144ES	FAN STOP-3	201	RD15ES-B2	LEVEL SHIFT
	101	2SC2785	AD HD BUFF-1	202	RD3.3ES-B2	BIAS
	102	2SK523	AD HD SW	203	1SS119	R-V BIAS-1
	103	2SC2785	BUFF-1	204	1SS119	R-V BIAS-2
	104	2SA1175	BUFF-2	205	RD15ES-B2	LEVEL SHIFT
	105	2SJ143	+35V SW	206	RD3.3ES-B2	BIAS
	106	2SC2785	AD HD BUFF-2	207	1SS119	G-V BIAS-1
	107	2SA1175	AD HD BUFF-3	208	1SS119	G-V BIAS-2
	108	2SK817	-35V SW	209	RD15ES-B2	LEVEL SHIFT
	201	2SA1358	R-V SUB ACTIVE LOAD	210	RD3.3ES-B2	BIAS
	202	2SC3421	R-V SUB DRIVE	211	1SS119	B-V BIAS-1
	203	2SD1977	R-V SUB BUFF-1	212	1SS119	B-V BIAS-2
	204	2SB1315	R-V SUB BUFF-2	301	RD15ES-B2	LEVEL SHIFT
	205	2SA1358	G-V SUB ACTIVE LOAD	302	RD3.3ES-B2	BIAS
	206	2SC3421	G-V SUB DRIVE	303	1SS119	R-H BIAS-1
	207	2SD1977	G-V SUB BUFF-1	304	1SS119	R-H BIAS-2
	208	2SB1315	G-V SUB BUFF-2	305	RD15ES-B2	LEVEL SHIFT
	209	2SA1358	B-V SUB ACTIVE LOAD	306	RD3.3ES-B2	BIAS
	210	2SC3421	B-V SUB DRIVE	307	1SS119	G-H BIAS-1
	211	2SD1977	B-V SUB BUFF-1	308	1SS119	G-H BIAS-2
	212	2SB1315	B-V SUB BUFF-2	309	RD15ES-B2	LEVEL SHIFT
	301	2SA1358	R-H SUB ACTIVE LOAD	310	RD3.3ES-B2	BIAS
	302	2SC3421	R-H SUB DRIVE	311	1SS119	B-H BIAS-1
	303	2SD1977	R-H SUB BUFF-1	312	1SS119	B-H BIAS-2
	304	2SB1315	R-H SUB BUFF-2			

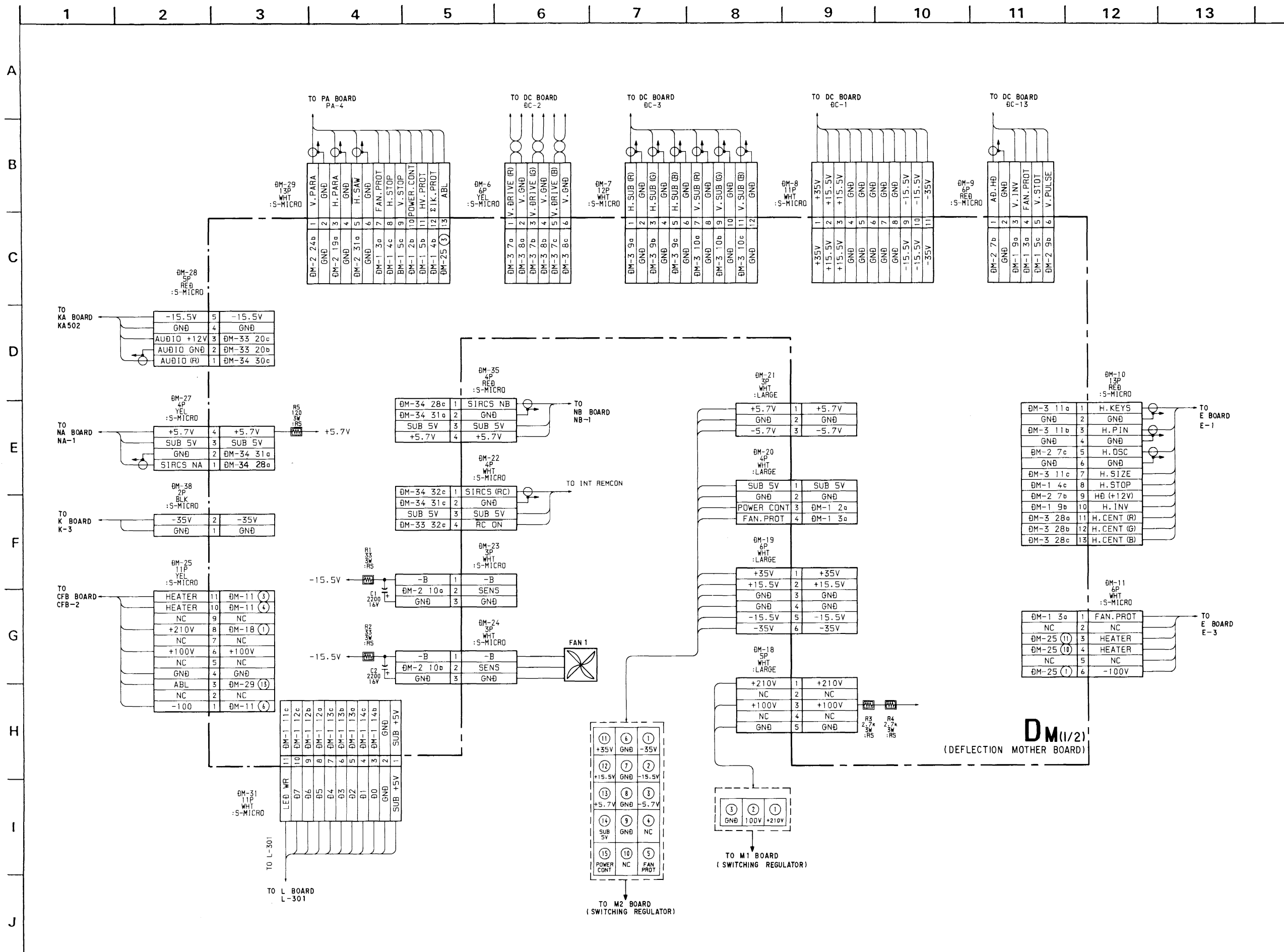
DC

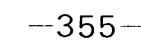
[V. OUT, H/V SUB OUT]

- DC BOARD -



IC		Q303	J-6
		Q304	J-5
		Q305	I-10
IC1	F-5	Q306	I-9
IC2	G-5	Q307	J-9
IC3	I-2	Q308	J-7
IC4	H-4	Q309	I-13
IC5	G-2	Q310	I-11
IC6	G-4	Q311	J-11
IC7	E-2	Q312	J-10
IC8	D-4	DIODE	
IC9	D-3		
IC101	E-8	D1	F-5
IC102	E-10	D2	G-5
IC103	E-12	D3	I-3
IC201	D-7	D4	I-2
IC202	D-10	D5	F-3
IC203	C-12	D6	G-2
IC301	G-8	D7	D-3
IC302	G-9	D8	F-2
IC303	G-12	D9	D-2
TRANSISTOR		D10	D-3
		D11	E-1
Q1	I-1	D12	C-2
Q2	G-1	D13	I-13
Q3	F-2	D15	C-2
Q4	C-2	D16	E-2
Q5	D-2	D101	A-2
Q6	D-2	D102	B-3
Q7	H-2	D103	B-4
Q8	F-1	D104	A-3
Q9	B-2	D105	A-4
Q10	G-5	D106	C-4
Q11	I-13	D201	D-7
Q13	G-13	D202	C-8
Q101	B-2	D203	A-7
Q102	A-1	D204	A-7
Q103	A-2	D205	B-10
Q104	A-2	D206	C-11
Q105	A-2	D207	A-9
Q106	B-2	D208	A-9
Q107	B-2	D209	B-12
Q108	A-3	D210	C-13
Q201	B-8	D211	B-11
Q202	B-7	D212	B-11
Q203	A-6	D301	H-8
Q204	A-5	D302	H-8
Q205	B-10	D303	I-6
Q206	B-9	D304	I-5
Q207	A-9	D305	H-9
Q208	A-8	D306	H-10
Q209	B-13	D307	I-9
Q210	B-12	D308	I-8
Q211	A-11	D309	H-12
Q212	A-10	D310	H-12
Q301	I-8	D311	I-11
Q302	I-7	D312	I-10



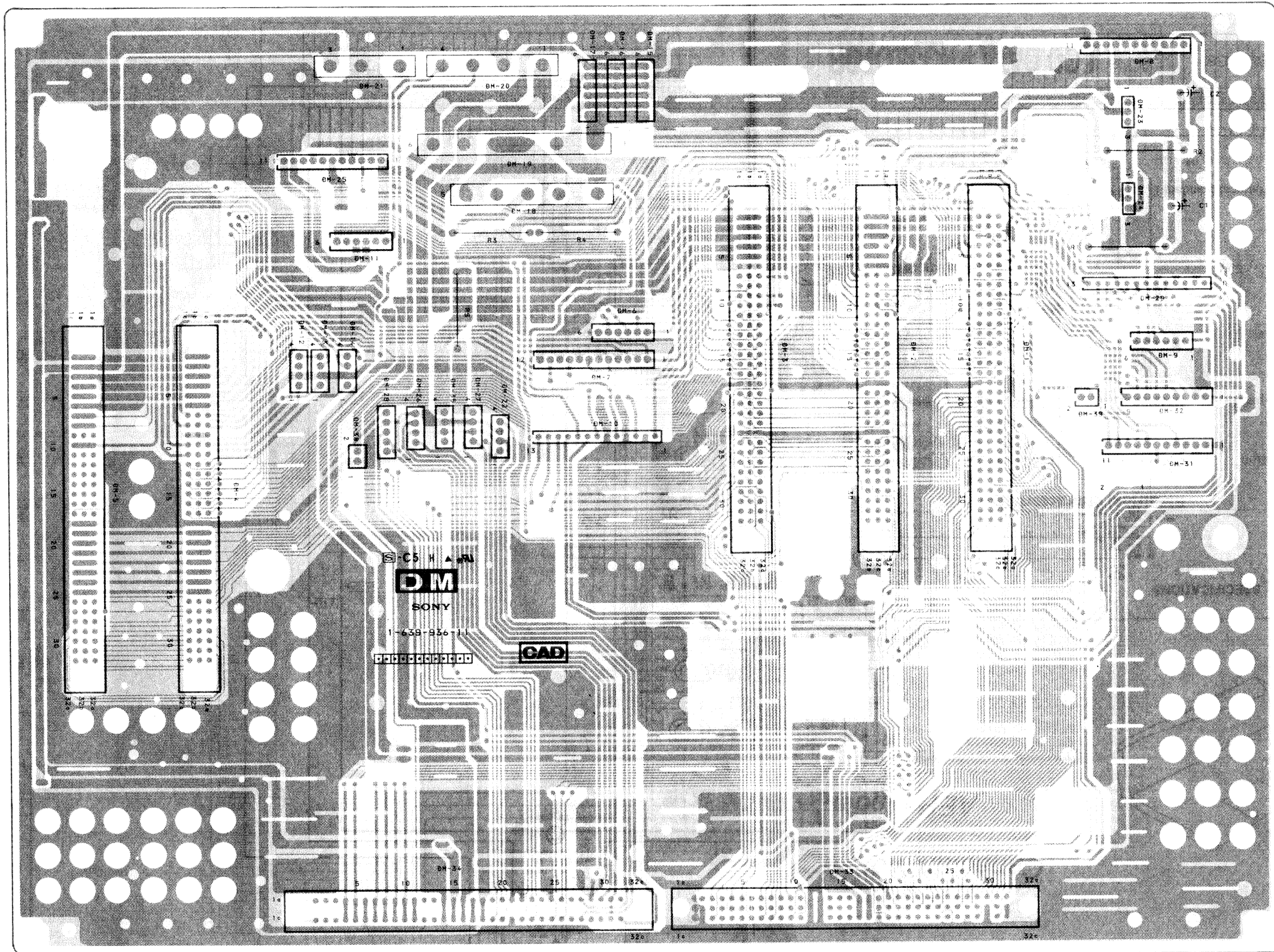




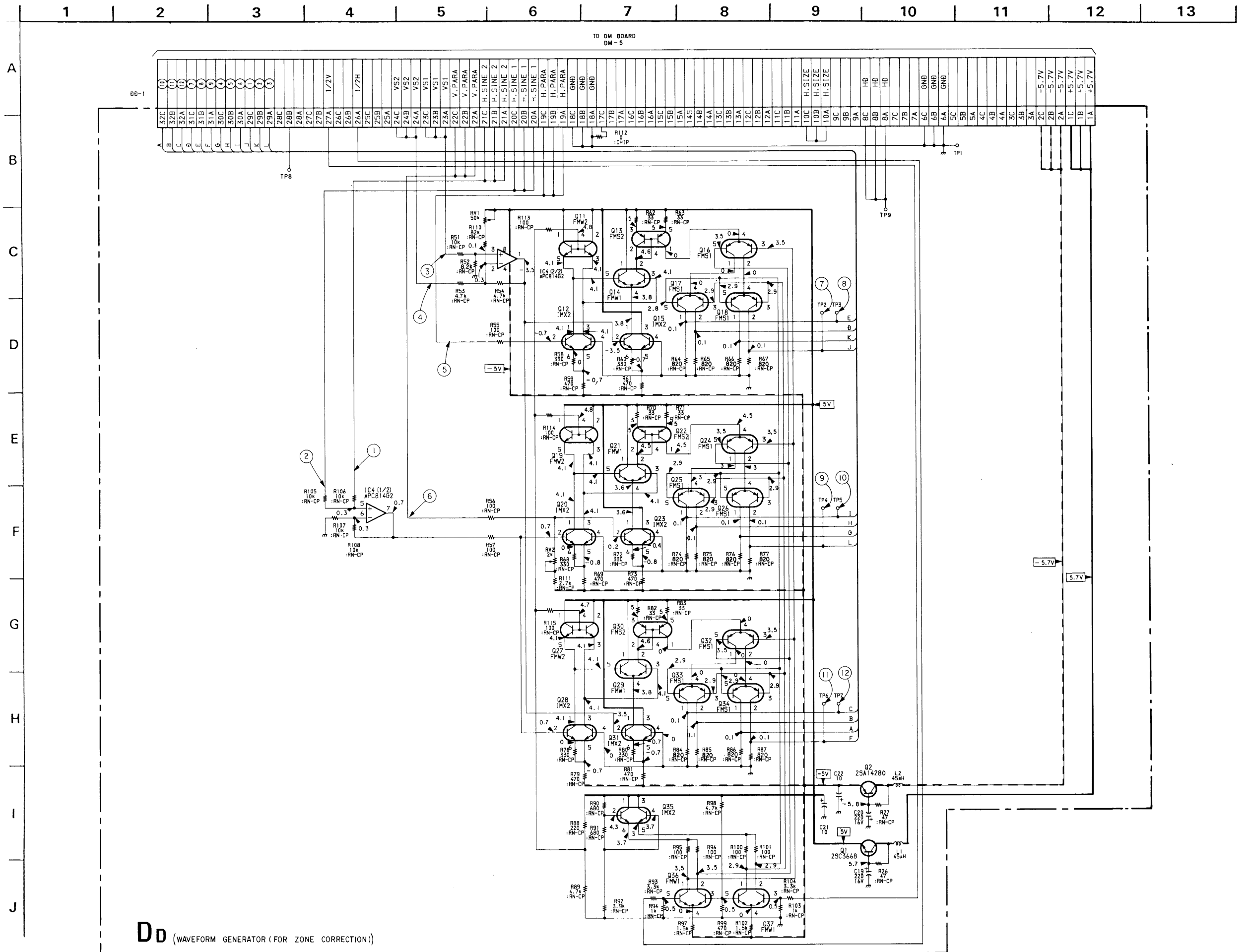
— DM BOARD —

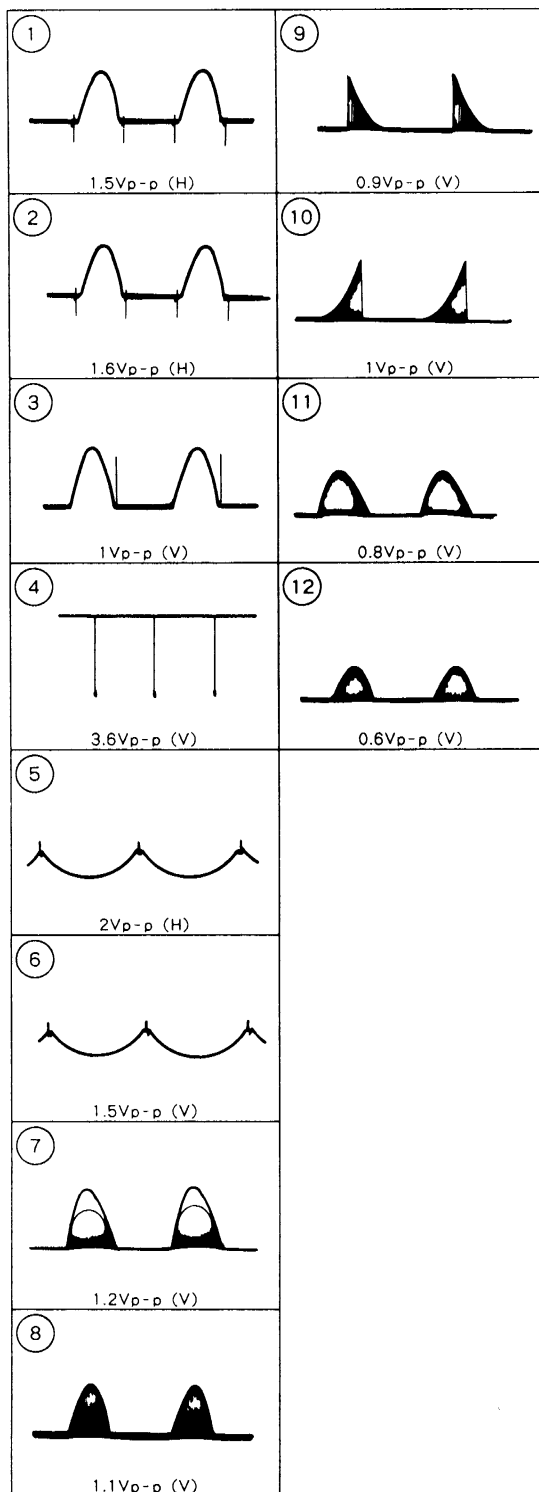
DM

[DEFLECTION MOTHER BOARD]



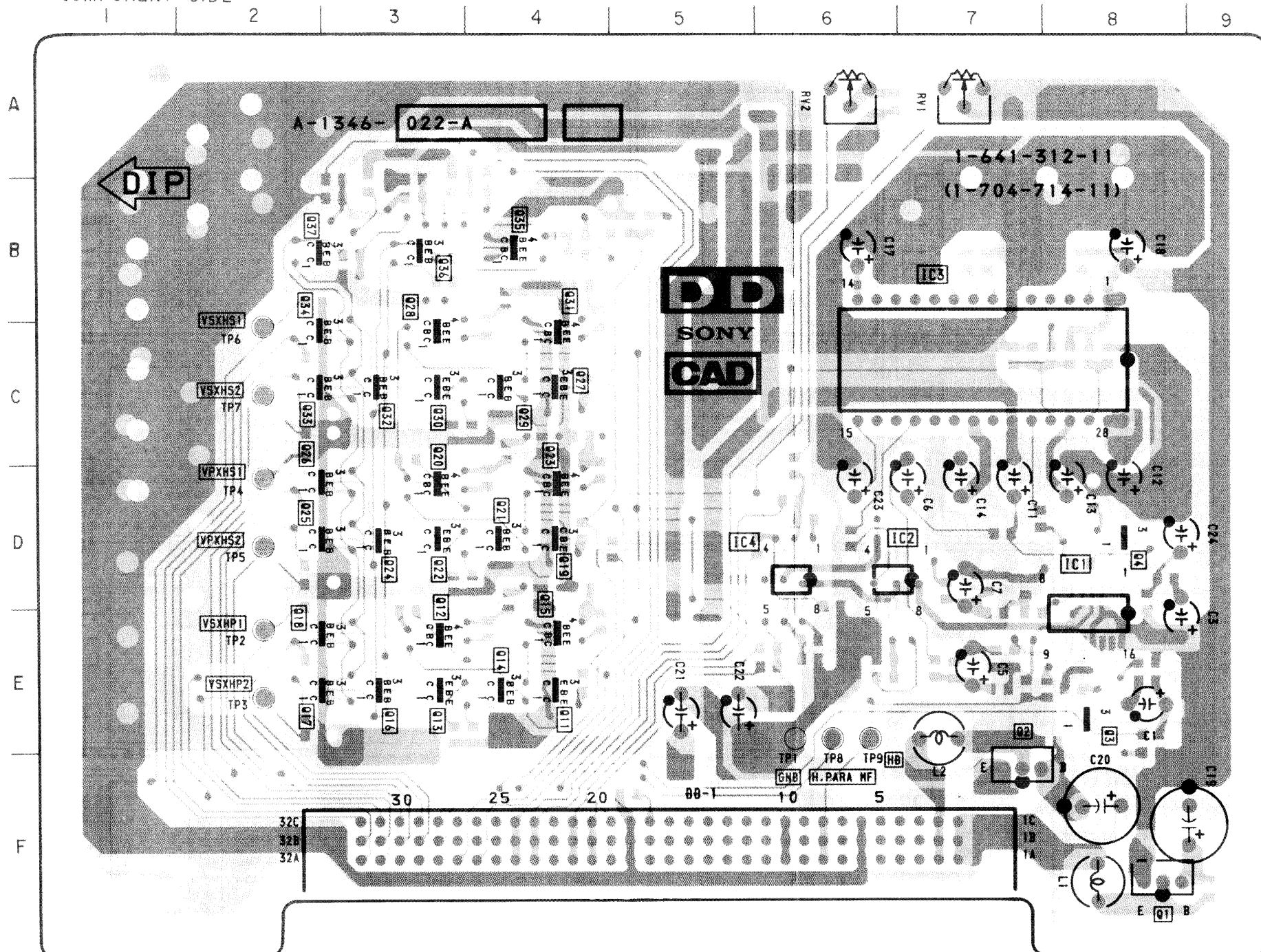
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.



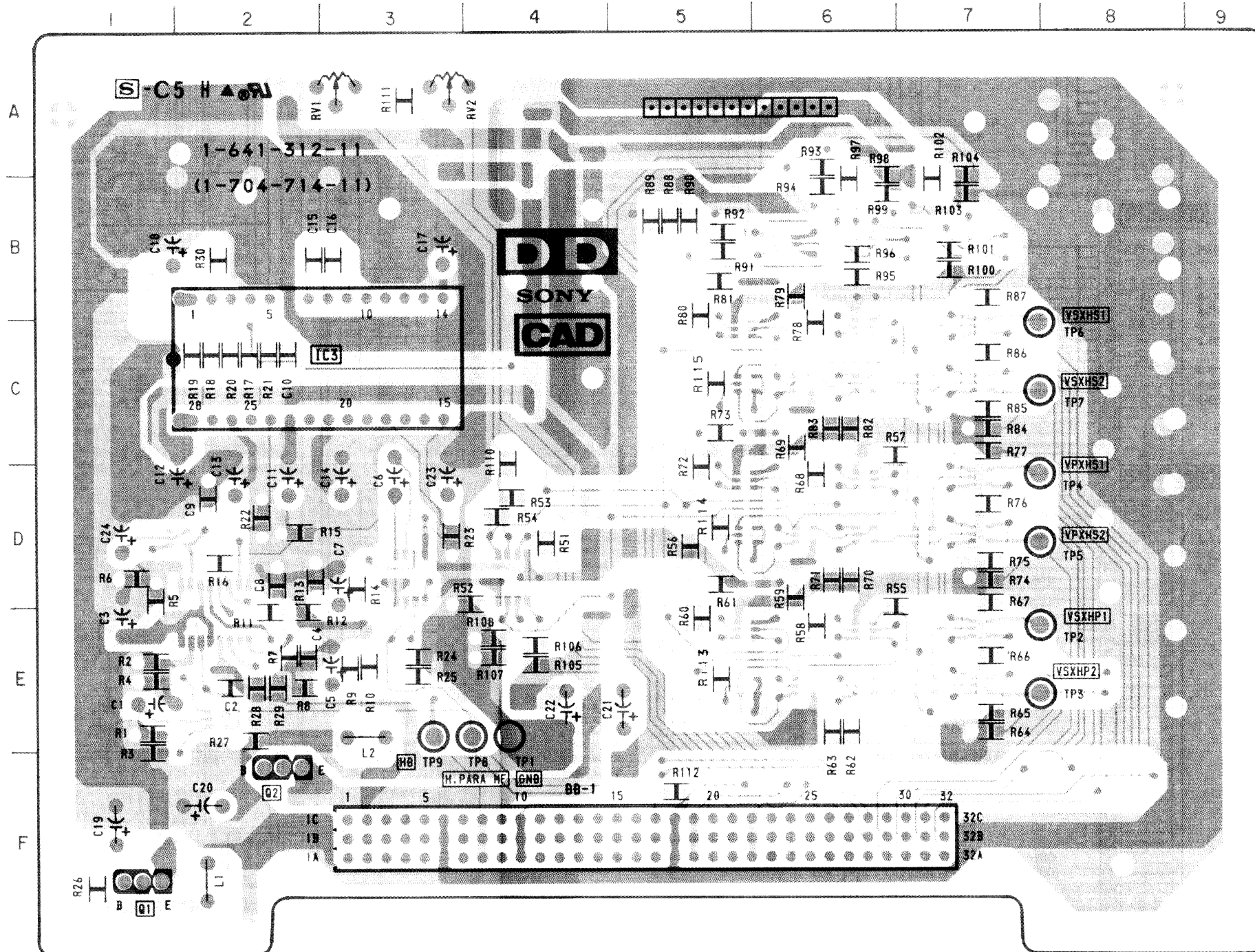


DD	IC4(1/2)	μPC 814G2	H.SIN MIX
	4(2/2)	μPC 814G2	V.SIN MIX
	Q1	2SC3668	+5V FILTER
	2	2SA1428O	-5V FILTER
	11	FMW2	MULTI (HPXVS)
	12	IMX2	MULTI (HPXVS)
	13	FMS2	MULTI (HPXVS)
	14	FMW1	MULTI (HPXVS)
	15	IMX2	MULTI (HPXVS)
	16	FMS1	SWITCHING
	17	FMS1	SWITCHING
	18	FMS1	SWITCHING
	19	FMW2	MULTI (HSXVP)
	20	IMX2	MULTI (HSXVP)
	21	FMW1	MULTI (HSXVP)
	22	FMS2	MULTI (HSXVP)
	23	IMX2	MULTI (HSXVP)
	24	FMS1	SWITCHING
	25	FMS1	SWITCHING
	26	FMS1	SWITCHING
	27	FMW2	MULTI (HSXVS)
	28	IMX2	MULTI (HSXVS)
	29	FMW1	MULTI (HSXVS)
	30	FMS2	MULTI (HSXVS)
	31	IMX2	MULTI (HSXVS)
	32	FMS1	SWITCHING
	33	FMS1	SWITCHING
	34	FMS1	SWITCHING
	35	IMX2	SWITCHING PULSE GEN.
	36	FMW1	SWITCHING PULSE GEN.
	37	FMW1	SWITCHING PULSE GEN.

IC	
IC4	D-6
TRANSISTOR	
Q1	F-8
Q2	F-7
Q11	E-4
Q12	E-3
Q13	E-3
Q14	E-4
Q15	E-4
Q16	E-3
Q17	E-2
Q18	E-2
Q19	D-4
Q20	C-3
Q21	D-4
Q22	D-3
Q23	C-4
Q24	D-3
Q25	D-2
Q26	C-2
Q27	C-4
Q28	B-3
Q29	C-4
Q30	C-3
Q31	B-4
Q32	C-3
Q33	C-2
Q34	B-2
Q35	B-4
Q36	B-3
Q37	B-2
VARIABLE RESISTOR	
RV1	A-7
RV2	A-6



- DD BOARD -
- CONDUCTOR SIDE -



DD BOARD
(CONDUCTOR SIDE)

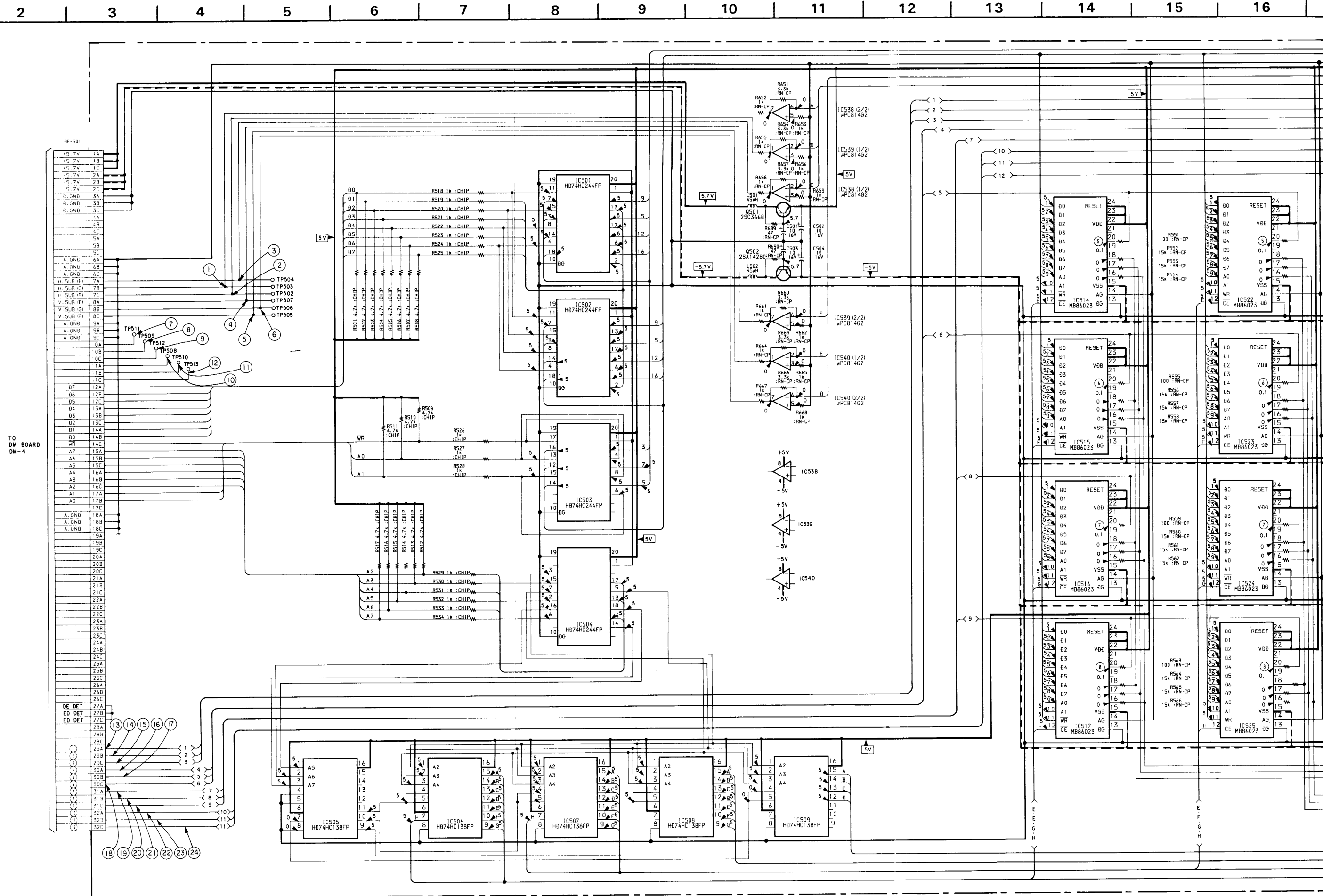
TRANSISTOR

Q1 F-1
Q2 F-2

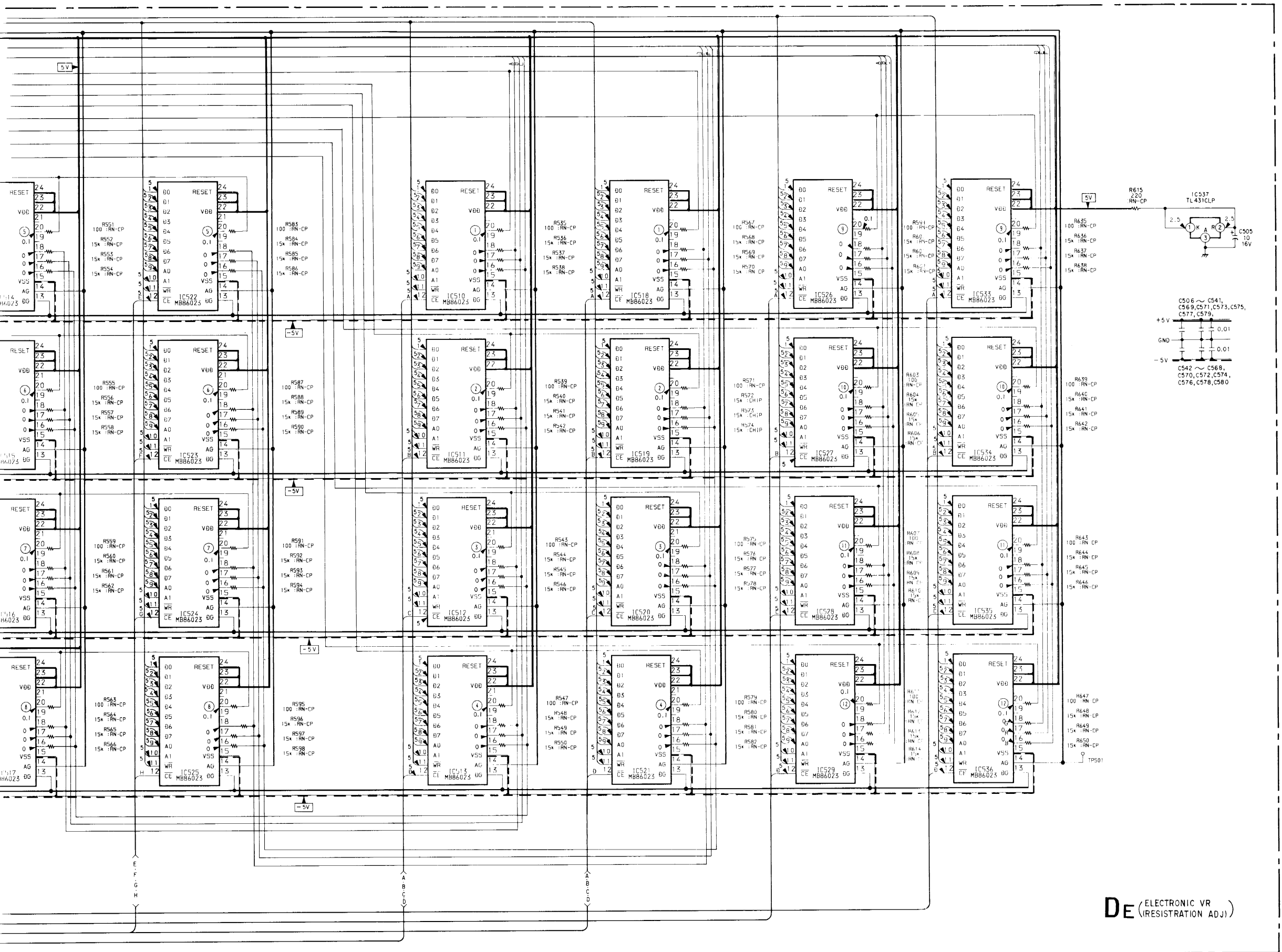
VARIABLE
RESISTOR

RV1 A-3
RV2 A-3

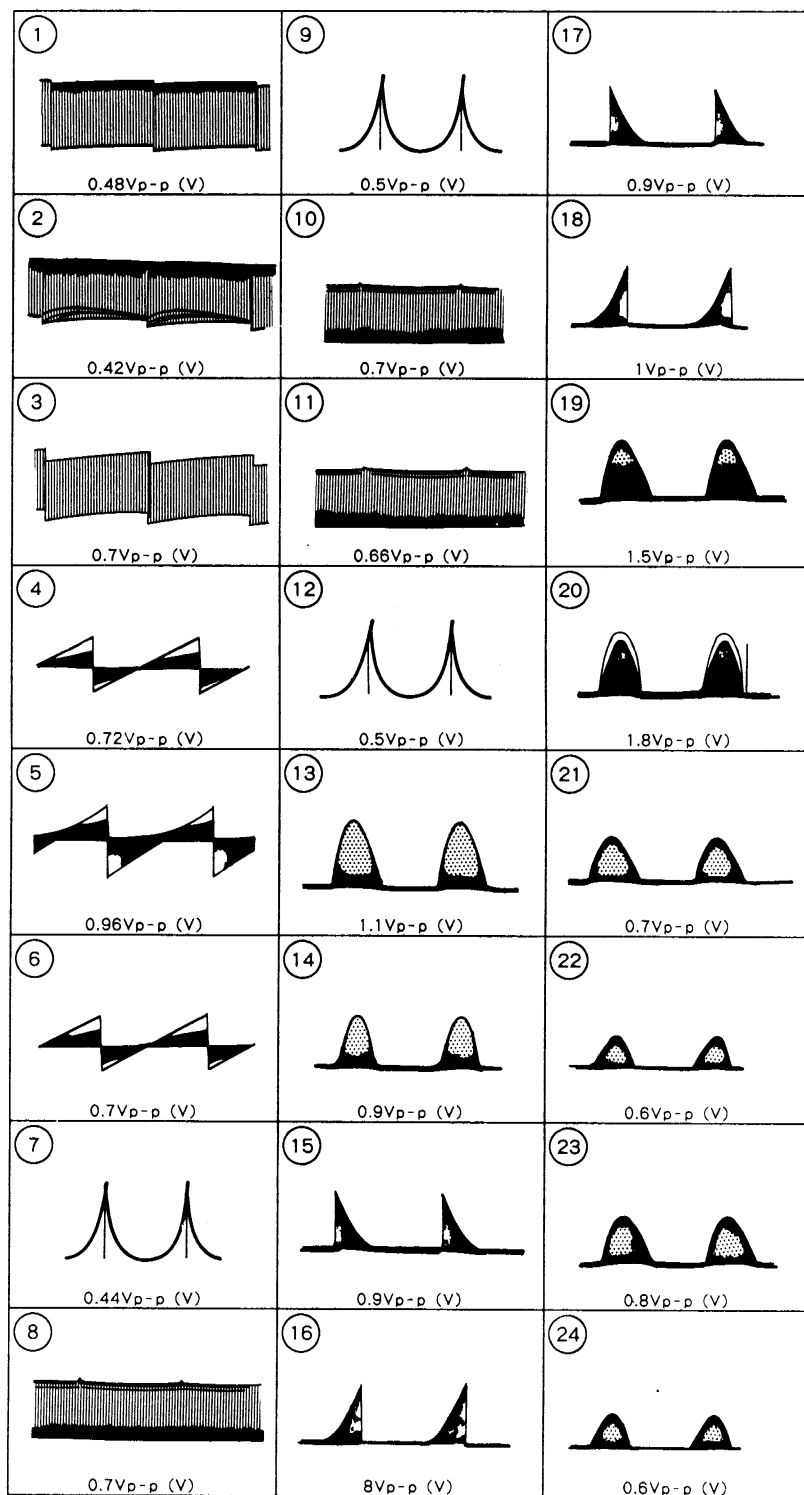
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.



14 15 16 17 18 19 20 21 22 23 24 25 26 27 28



DE (ELECTRONIC VR
(REGISTRATION ADJ.))



DE	IC501	HD74HC244FP	BUFFER (D0-D7)
	502	HD74HC244FP	BUFFER (D0-D7)
	503	HD74HC244FP	BUFFER (A0-A7)
	504	HD74HC244FP	BUFFER (A0-A7)
	505	HD74HC138FP	ADDRESS DECODER
	506	HD74HC138FP	ADDRESS DECODER
	507	HD74HC138FP	ADDRESS DECODER
	508	HD74HC138FP	ADDRESS DECODER
	509	HD74HC138FP	ADDRESS DECODER
	510	MB88023	DIGITAL ATTENUATE
	511	MB88023	DIGITAL ATTENUATE
	512	MB88023	DIGITAL ATTENUATE
	513	MB88023	DIGITAL ATTENUATE
	514	MB88023	DIGITAL ATTENUATE
	515	MB88023	DIGITAL ATTENUATE
	516	MB88023	DIGITAL ATTENUATE
	517	MB88023	DIGITAL ATTENUATE
	518	MB88023	DIGITAL ATTENUATE
	519	MB88023	DIGITAL ATTENUATE
	520	MB88023	DIGITAL ATTENUATE
	521	MB88023	DIGITAL ATTENUATE
	522	MB88023	DIGITAL ATTENUATE
	523	MB88023	DIGITAL ATTENUATE
	524	MB88023	DIGITAL ATTENUATE
	525	MB88023	DIGITAL ATTENUATE
	526	MB88023	DIGITAL ATTENUATE
	527	MB88023	DIGITAL ATTENUATE
	528	MB88023	DIGITAL ATTENUATE
	529	MB88023	DIGITAL ATTENUATE
	533	MB88023	DIGITAL ATTENUATE
	534	MB88023	DIGITAL ATTENUATE
	535	MB88023	DIGITAL ATTENUATE
	536	MB88023	DIGITAL ATTENUATE
	537	TL431CLP	
	538	μPC814G2	H.SUB OUT BUFFER
	539	μPC814G2	H/V SUB OUT BUFFER
	540	μPC814G2	V.SUB OUT BUFFER
	Q501	2SC3668	+5V FILTER
	502	2SA1428O	-5V FILTER

[ELECTRONIC VR (RESISTRATION ADJ)]

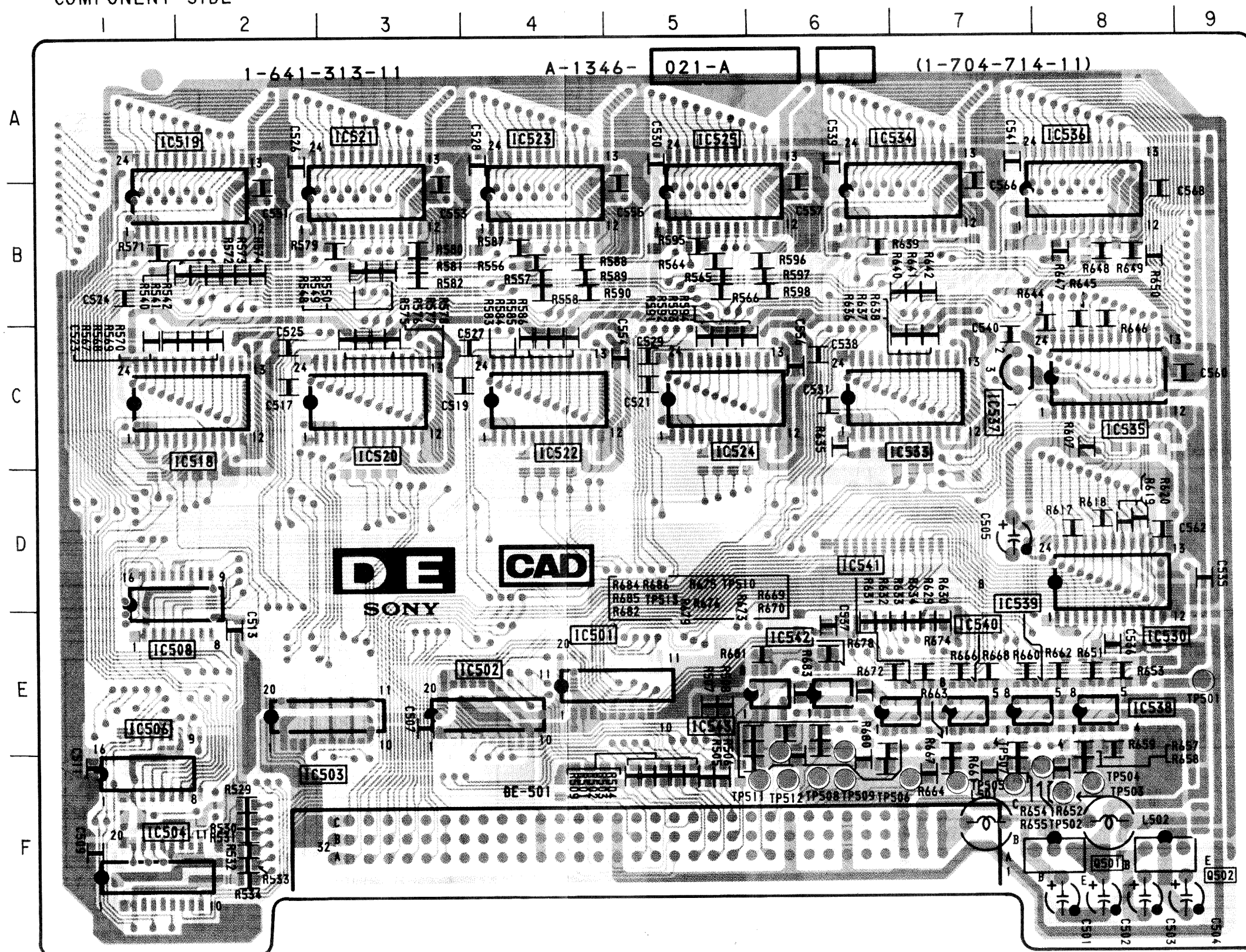
-COMPONENT SIDE-


IC

IC501	E-4
IC502	E-4
IC503	E-2
IC504	F-1
IC506	F-1
IC508	E-1
IC518	C-2
IC519	B-2
IC520	C-3
IC521	B-3
IC522	C-4
IC523	B-4
IC524	C-5
IC525	B-5
IC533	C-7
IC534	B-7
IC535	C-8
IC536	B-8
IC537	C-7
IC538	E-8
IC539	E-7
IC540	E-7

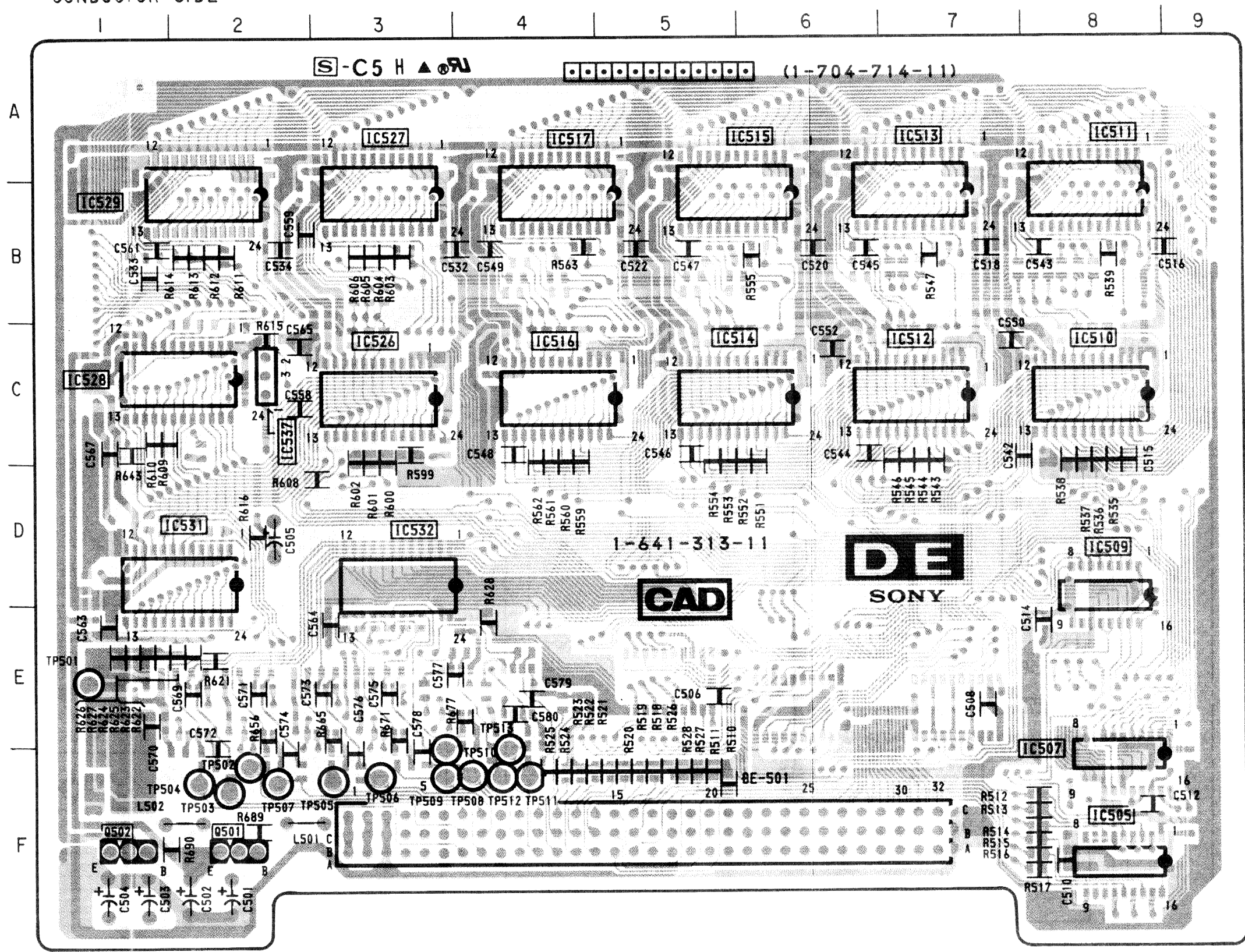
TRANSISTOR

Q501	F-8
Q502	F-8



-  : Pattern from the side which enables seeing.
- : Pattern of the rear side.

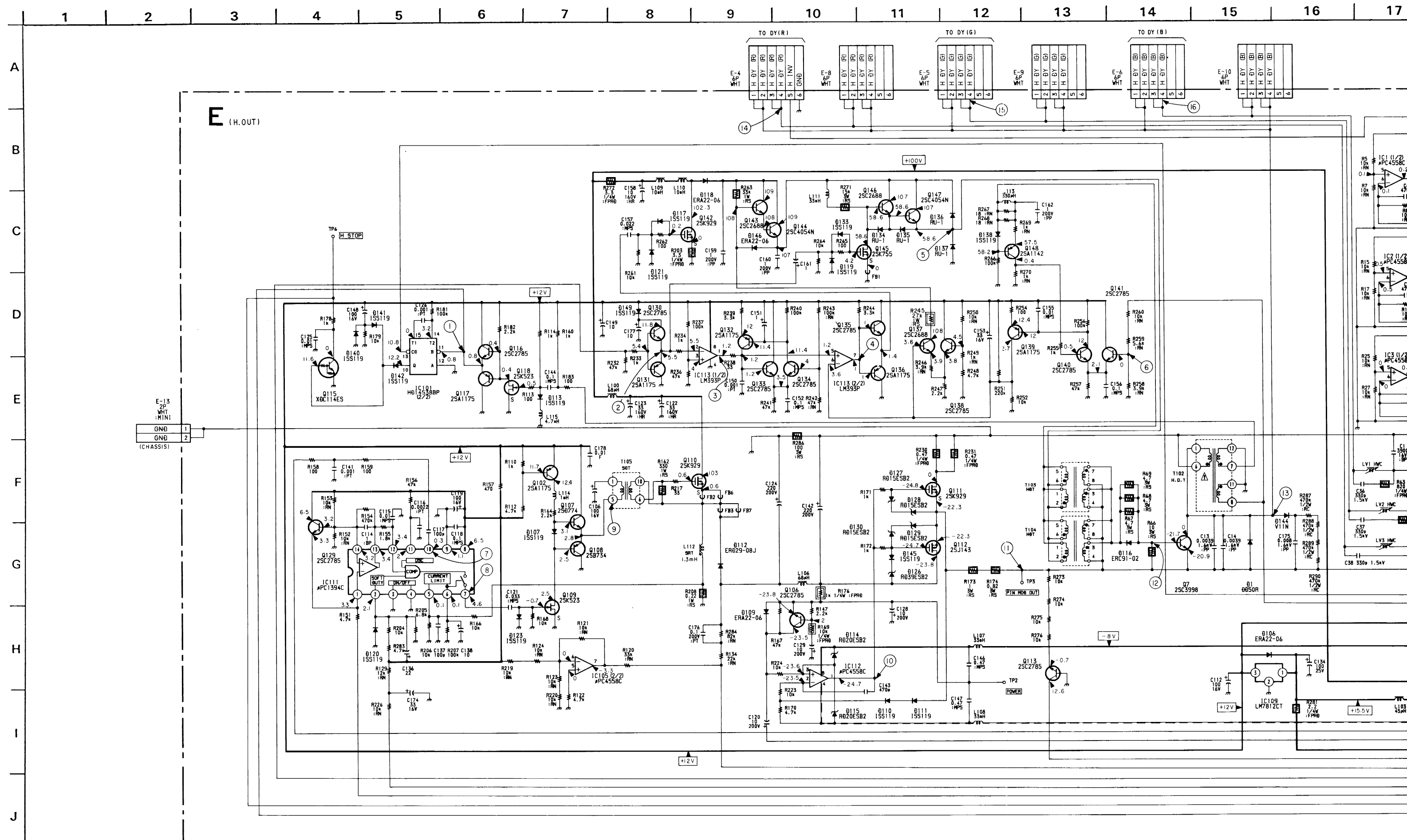
- DE BOARD -
- CONDUCTOR SIDE -

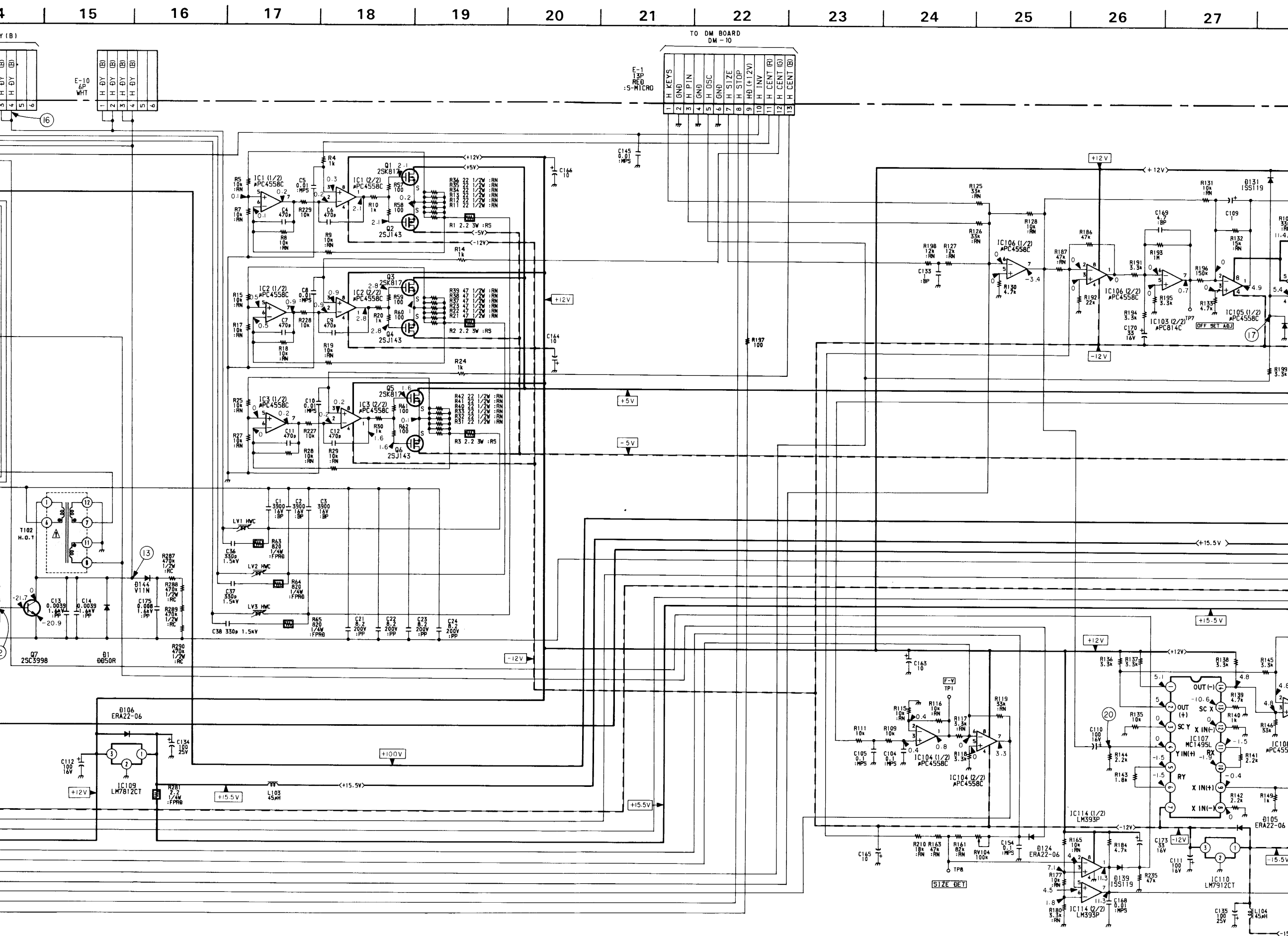


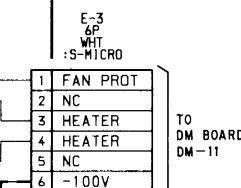
DE BOARD
(CONDUCTOR SIDE)

IC	
IC505	F-8
IC507	F-8
IC509	D-8
IC510	C-8
IC511	B-8
IC512	C-7
IC513	B-7
IC514	C-5
IC515	B-6
IC516	C-4
IC517	B-4
IC526	C-3
IC527	B-3
IC528	C-1
IC529	B-2
IC537	C-2

TRANSISTOR	
Q501	F-2
Q502	F-1

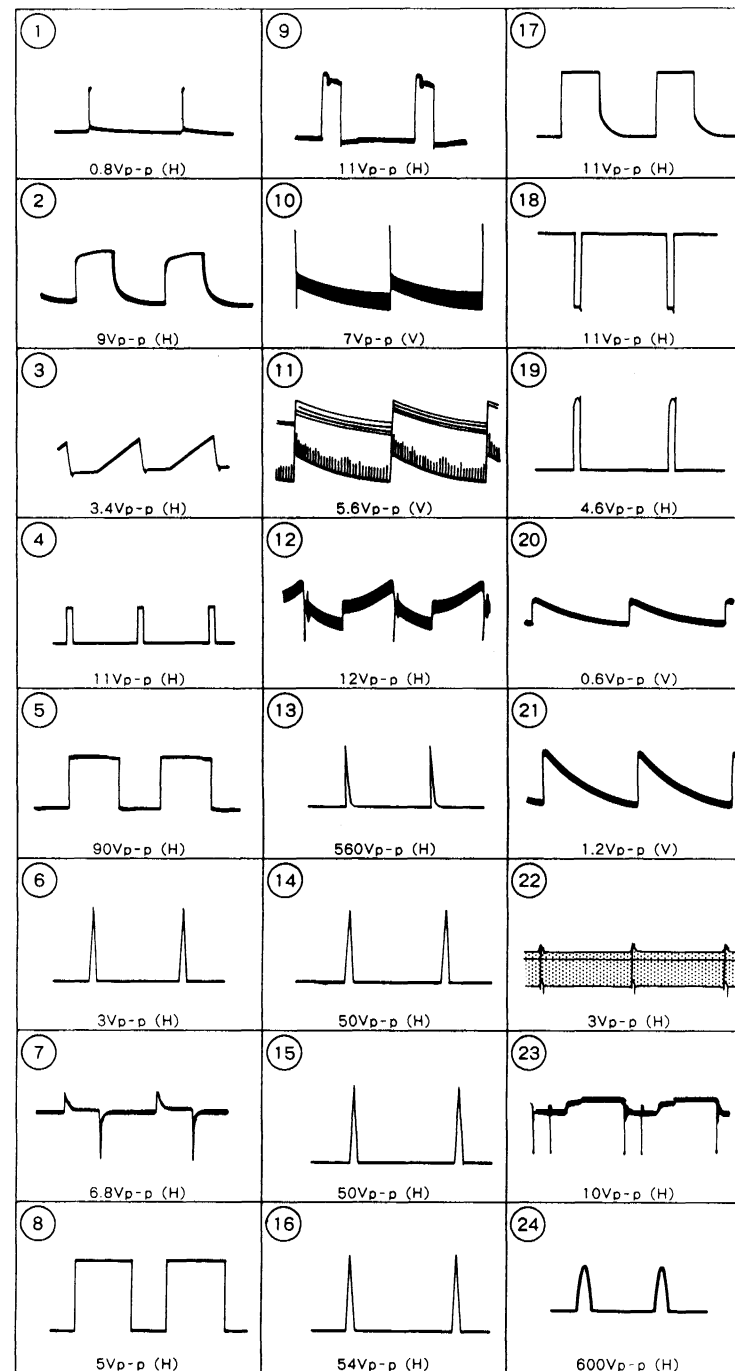






REF.	Pin No.	PAL
IC301	⑦	1.3
IC501	①	4.9
IC112	①	-24.7
	②	-23.5
	③	-23.5
IC114	②	4.7
	⑤	4.7

REF.	WHITE
Q007	B -21.6
	C -0.3
	E -20.8
Q106	B -23.6
	C -23.6
	E -23.5
Q107	B 3.0
	C -
	E 2.8
Q108	B 2.5
	C -
	E 2.8
Q113	B -
	C 12.7
	E -
Q137	B 3.8
	C 106.3
	E 3
Q138	B 11.9
	C 3.5
	E -
Q140	B 11.9
	C 3.5
	E -
Q143	B -
	C 11.9
	E -
Q144	B 112
	C 112.5
	E 111.5
Q146	B 111.4
	C 112.3
	E 110.7
Q147	B 63.5
	C 110.3
	E 63.5
Q148	B 62.5
	C 0.4
	E 60.4

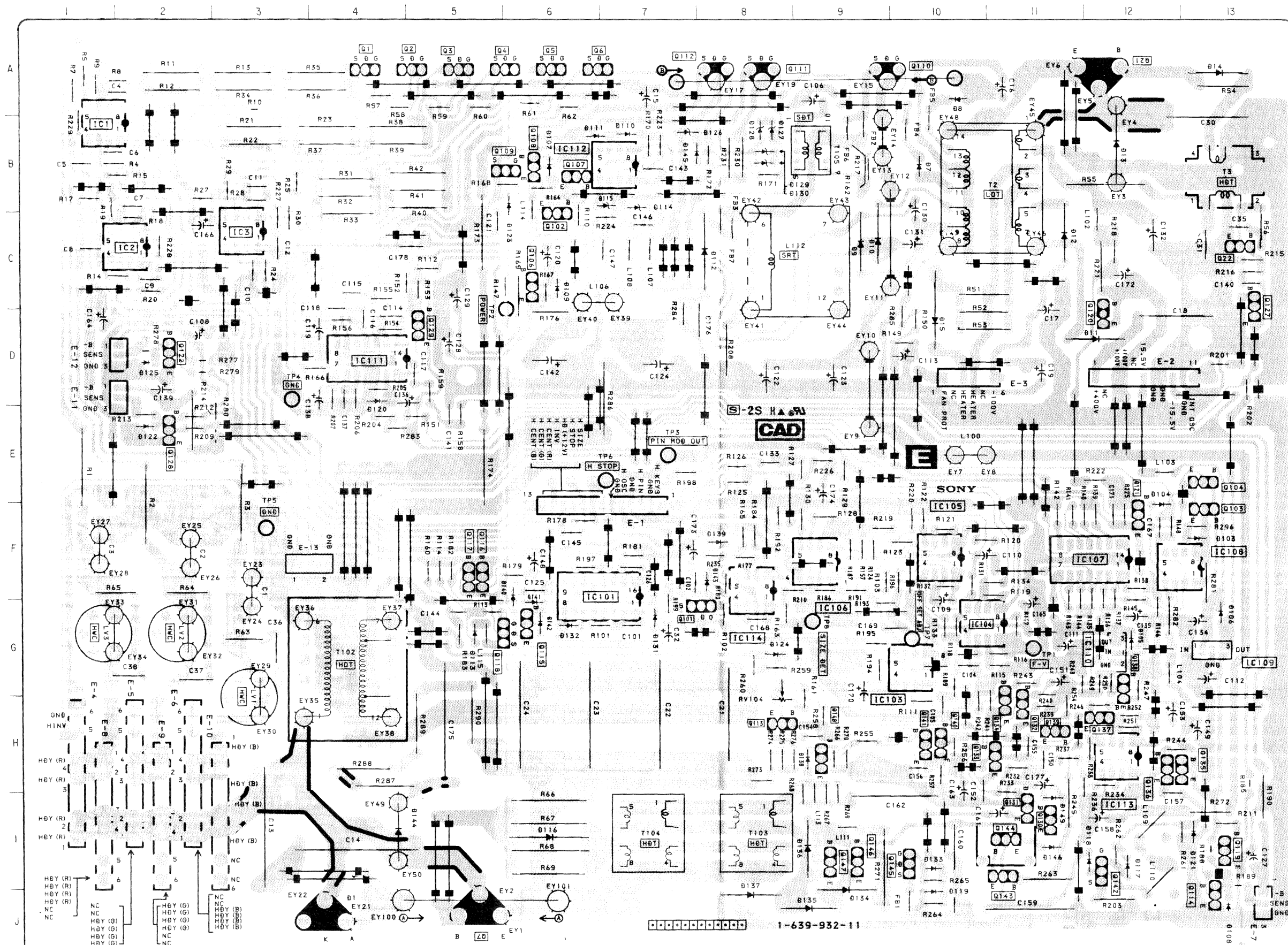


E	IC1	UPC4558C	H CENT DRIVE (R)	Q143	2SC2688	H DRIVE REG
	2	UPC4558C	H CENT DRIVE (G)	144	2SC4054	H DRIVE REG
	3	UPC4558C	H CENT DRIVE (B)	145	2SK755N	H DRIVE
	101	HD14538BP	H PULSE GEN.	146	2SC2688	H DRIVE BUFF
	103	UPC814C	F-V AMP	147	2SC4054N	H DRIVE BUFF
	104	UPC4558C	F-V AMP	148	2SA1142	1B DET
	105	UPC4558C	F-V AMP			
	106	UPC4558C	F-V AMP	D1	DD50R	H OUT DAMP
	107	MC1495L	MOD LEVEL CONT	7	ERC88-009	-5V RECT
	108	UPC4558C	PIN MOD PRE AMP	8	ERC88-009	+5V RECT
	109	LM7812CT	+12V REG.	9	EGP10G	PIN MOD RECT
	110	LM7812CT	-12V REG.	10	EGP10G	PIN MOD RECT
	111	UPC1394C	PIN MOD REG. CONT	11	V11N	+400V RECT
	112	UPC4558C	PIN MOD AMP	12	EGP10G	-100V RECT
	113	LM393P	H OSC DET	13	ERC08-15	LOT DAMP
	114	LM393P	H SIZE PROT	14	V06C	SPEED UP
				15	ERD33-02	HEATER RECT
	Q1	2SK817	H CENT OUT (R)	103	1SS119	PROT
	2	2SJ143	H CENT OUT (R)	104	1SS119	PROT
	3	2SK817	H CENT OUT (G)	105	ERA22-06	-12V REG. PROT
	4	2SJ143	H CENT OUT (G)	106	ERA22-06	+12V REG. PROT
	5	2SK817	H CENT OUT (B)	107	1SS119	PIN MOD REG. BIAS
	6	2SJ143	H CENT OUT (B)	109	ERA22-06	CLAMP
	7	2SC3998	H OUT	110	1SS119	LEVEL SHIFT
	21	2SD1403	LOT CONV.	111	1SS119	LEVEL SHIFT
	22	2SC2688	LOT DRIVE	112	ERD29-08J	PIN MOD REG. CLAMP
	101	2SK523	F-V SW	113	1SS119	CLAMP
	102	2SA1175	POWER OFF PROT	114	RD20ES-B2	PROT
	103	2SC2785	PIN MOD PRE BUFF	115	RD20ES-B2	PROT
	104	2SA1175	PIN MOD PRE BUFF	116	ERC91-02	SPEED UP
	106	2SC2785	PIN MOD PROT	117	1SS119	SPEED UP
	107	2SD774	PIN MOD REG. DRIVE	118	ERA22-06	CLAMP
	108	2SB734	PIN MOD REG. DRIVE	119	1SS119	PROT
	109	2SK523	PIN MOD REG. PRE DRIVE	120	1SS119	PROT
	110	2SK929	PIN MOD REG.	121	1SS119	PROT
	111	2SK929	H PIN OUT	122	1SS119	PROT
	112	2SJ143	H PIN OUT	123	1SS119	CLAMP
	113	2SC2785	H SIZE CONST	124	ERA22-06	H SIZE DET
	115	XDC114ES	H STOP SW	126	RD39ES-B2	PIN MOD DET
	116	2SC2785	HD OUT	127	RD15ES-B2	PROT
	117	2SA1175	HD OUT	128	RD15ES-B2	PROT
	118	2SK523	HD DRIVE	129	RD15ES-B2	PROT
	120	2SA1142	CURRENT PROT	130	RD15ES-B2	PROT
	121	2SC2785	CURRENT PROT SW	131	1SS119	PROT
	127	2SA1175	INV OSC BUFF	132	1SS119	PROT
	128	XDC114ES	FAN PROT SW	133	1SS119	SPEED UP
	129	2SC2785	POWER ON BIAS	134	RU-1	H DRIVE PROT
	130	2SC2785	H OSC BUFF	135	RU-1	H DRIVE PROT
	131	2SA1175	H OSC BUFF	136	RU-1	H DRIVE PROT
	132	2SA1175	CONST AMP	137	RU-1	H DRIVE PROT
	133	2SC2785	CONST AMP	138	1SS119	THERM CANCEL
	134	2SC2785	CONST AMP	139	1SS119	H SIZE PROT SW
	135	2SC2785	VARIABLE REG OUT	140	1SS119	DISCHARGE
	136	2SA1175	VARIABLE REG OUT	141	1SS119	H STOP GATE
	137	2SC2688	1B CONT	142	1SS119	H STOP GATE
	138	2SC2785	1B CONT	143	1SS119	CLAMP
	139	2SA1175	1B CONT	144	V11N	PULSE PROT
	140	2SC2785	1B DET	145	1SS119	PROT
	141	2SC2785	PULSE DET	146	ERA22-06	PROT
	142	2SK929	VARIABLE REG OUT	149	1SS119	PROT

E

[H OUT]

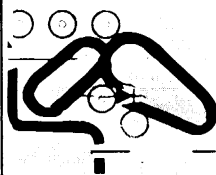
- E BOARD -



1-639-932-11

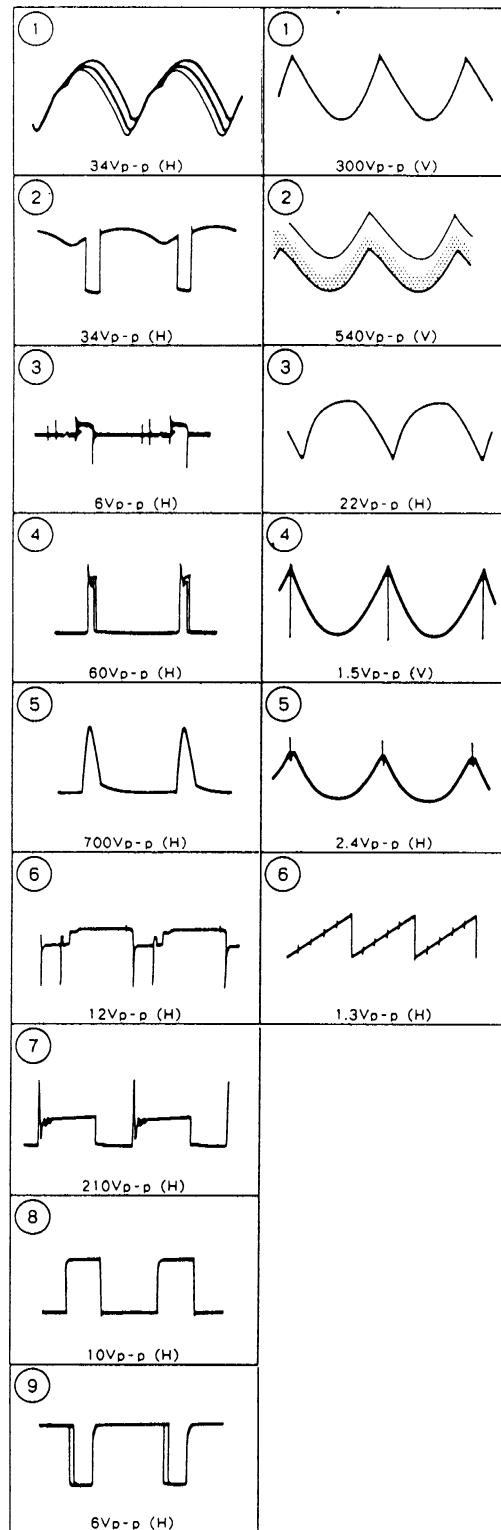
E BOARD

IC		Q144	I-11
		Q145	I-10
		Q146	I-9
		Q147	I-9
		Q148	H-9
		DIODE	
IC1	B-1	D1	J-4
IC2	C-2	D7	B-10
IC3	C-3	D8	A-10
IC101	F-6	D9	C-9
IC103	G-10	D10	C-9
IC104	G-10	D11	D-12
IC105	F-10	D12	C-11
IC106	F-9	D13	B-12
IC107	F-12	D14	A-13
IC108	F-13	D15	D-10
IC109	G-13	D103	F-13
IC110	G-12	D104	F-12
IC111	D-4	D105	G-12
IC112	B-6	D106	G-13
IC113	H-12	D107	B-6
IC114	F-8	D109	C-6
TRANSISTOR		D110	B-7
Q1	A-4	D111	B-6
Q2	A-5	D112	C-8
Q3	A-5	D113	G-5
Q4	A-5	D114	B-7
Q5	A-6	D115	B-7
Q6	A-6	D116	I-6
Q7	J-5	D117	I-12
Q21	A-12	D118	I-11
Q22	C-13	D119	J-10
Q101	G-7	D120	D-4
Q102	C-6	D121	I-13
Q103	F-13	D122	E-2
Q104	E-13	D123	B-6
Q106	C-6	D124	G-8
Q107	B-6	D126	B-7
Q108	B-6	D127	B-8
Q109	B-6	D128	B-8
Q110	A-10	D129	B-8
Q111	A-8	D130	B-8
Q112	A-8	D131	G-7
Q113	H-8	D132	G-6
Q115	G-6	D133	I-10
Q116	F-5	D134	J-9
Q117	F-5	D135	J-9
Q118	G-5	D136	I-9
Q120	D-12	D137	J-8
Q121	F-12	D138	H-9
Q127	D-13	D139	F-8
Q128	E-2	D140	F-6
Q129	D-5	D141	F-6
Q130	I-11	D142	G-6
Q131	I-11	D143	F-8
Q132	H-11	D144	I-4
Q133	H-11	D145	B-7
Q134	H-11	D146	I-11
Q135	H-13	D149	I-11
Q136	H-12	VARIABLE RESISTOR	
Q137	H-12	RV104	H-8
Q138	G-12		
Q139	H-11		
Q140	H-10		
Q141	H-10		
Q142	I-12		
Q143	I-11		



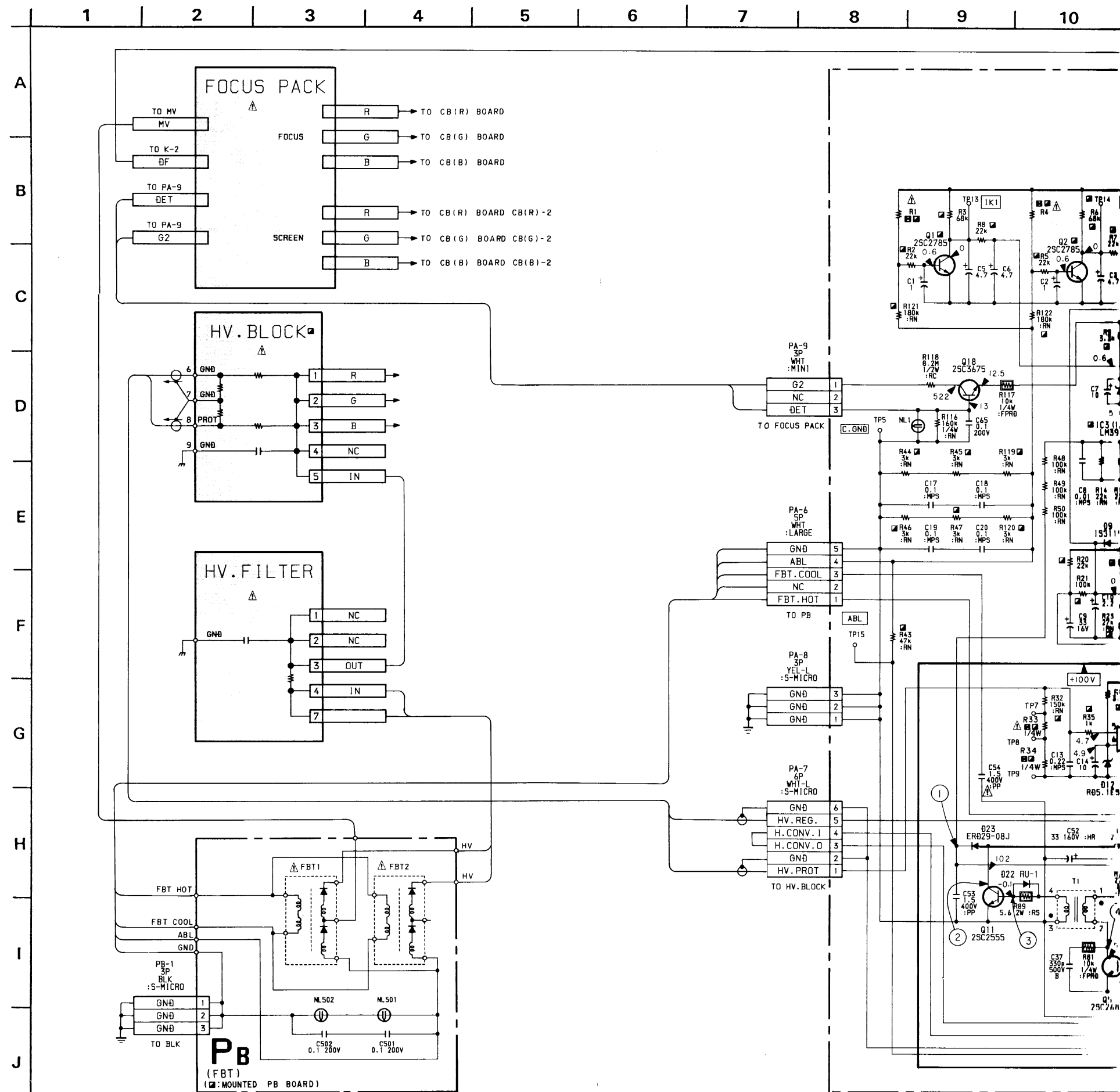
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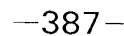
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



IC1(1/2)	TL082CP	HV REG DET
1(2/2)	TL082CP	LOW B PROT
2(1/2)	LM393P	HV PROT DET
2(2/2)	LM393P	HV PROT
3(1/2)	LM393P	REG UP PROT
3(2/2)	LM393P	Σk PROT
4(1/2)	LM393P	HV PROT BUFF
4(2/2)	LM393P	Σk PROT BUFF
5	LM7812CT	+12V REG
6	μPC1394C	HV REG CONTROL
7	MC14040BCP	OSC DEV-1
8	MC14572UBCP	OSC DEV-2
9	TL431CLP	HV REG REF
Q1	2SC2785	Σk DET-1
2	2SC2785	Σk DET-2
3	2SA1175	OSC BUFF-1
4	2SA1175	OSC BUFF-2
5	2SC2888	HV REG DRIVE
6	2SC2888	HV CONV DRIVE
7	2SC2785	HV STOP SW-1
8	2SC2785	HV STOP SW-2
10	2SD1887	HV CONV
11	2SC2555	HV REG
12	2SA1175	POWER ON RESET
13	2SA1175	POWER OFF RESET
15	2SC2785	POWER CONT
16	2SC2785	STOP BUFF
17	2SC2785	STOP INV
18	2SC3875	G2 REG
20	2SA1175	REG OSC BUFF
D3	1SS119	Σk SW
4	1SS119	Σk HOLD
5	RD5.1ESB2	Σk ZENER
6	1SS119	REG STOP SW-1
7	1SS119	REG STOP SW-2
8	1SS119	REG STOP SW-3
9	1SS119	HV PROT HOLD
10	RD5.1ESB2	LOW B PROT ZENER
11	1SS119	LOW B PROT SW
12	RD5.1ESB2	HV PROT ZENER
13	1SS119	+12V HOLD
14	RD5.1ESB2	REG PROT
16	1SS119	OSC CLAMP
18	1SS119	+12V PROT
20	ERC08-15SA	DUMPER-1
21	ERC08-15SA	DUMPER-2
22	RU-1	SPEED UP
23	ERD29-08J	HV REG RECT
24	1SS119	STOP SW-1
25	1SS119	STOP SW-2
28	1SS119	STOP SW-3
29	1SS119	STOP SW-4
31	1SS119	DIS CHARGE
32	V06C	+15V RECT

IC201	μPC814C	PRE AMP1
202	μPC814C	PRE AMP2
Q201	2SA1441	Filter
202	2SC3421	AMP3
203	2SK929	AMP2
204	2SK929	Buffer1
205	2SD1977	Buffer2
206	2SB1315	Buffer2
D201	RD10ES-B2	Protector1
202	RD10ES-B2	Protector2
203	ERA22-08	Protector3
204	1SS119	Therm Cancel
205	1SS119	Bias





21

22

23

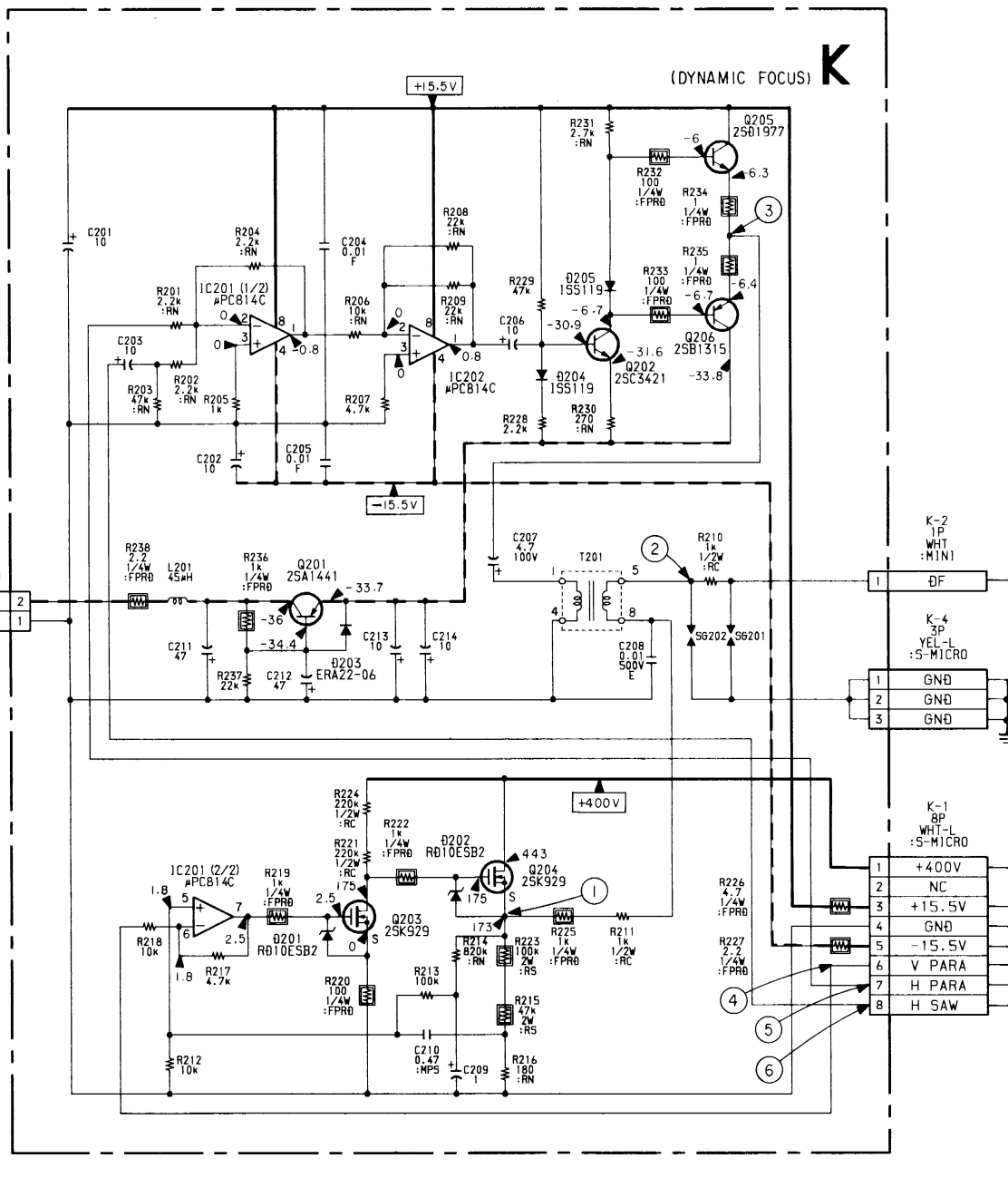
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25

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27

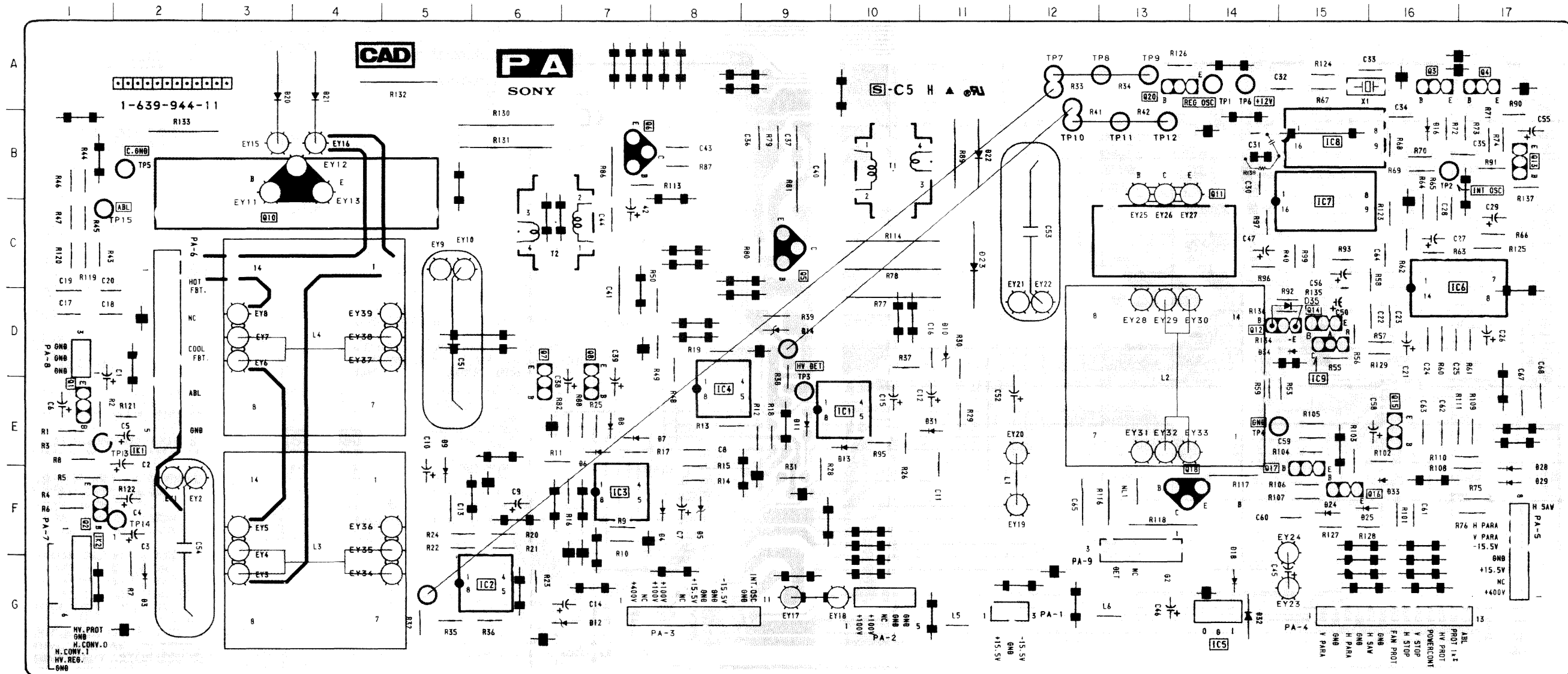
28



PA

[HIGH VOLTAGE REG]

— PA BOARD —



PA BOARD

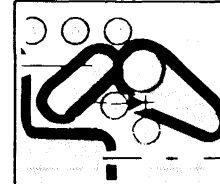
IC	
IC1	E-10
IC2	G-6
IC3	F-7
IC4	E-8
IC5	G-14
IC6	C-16
IC7	C-15
IC8	B-15
IC9	D-15

TRANSISTOR

Q1	E-1
Q2	F-1
Q3	A-16
Q4	A-17
Q5	C-9
Q6	B-7
Q7	D-6
Q8	D-7
Q10	B-4
Q11	B-13
Q12	D-15
Q13	B-17
Q15	E-16
Q16	F-15
Q17	F-15
Q18	F-13
Q20	A-13

DIODE

D3	G-2
D4	F-8
D5	F-8
D6	E-7
D7	E-7
D8	E-7
D9	F-5
D35	D-15



NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

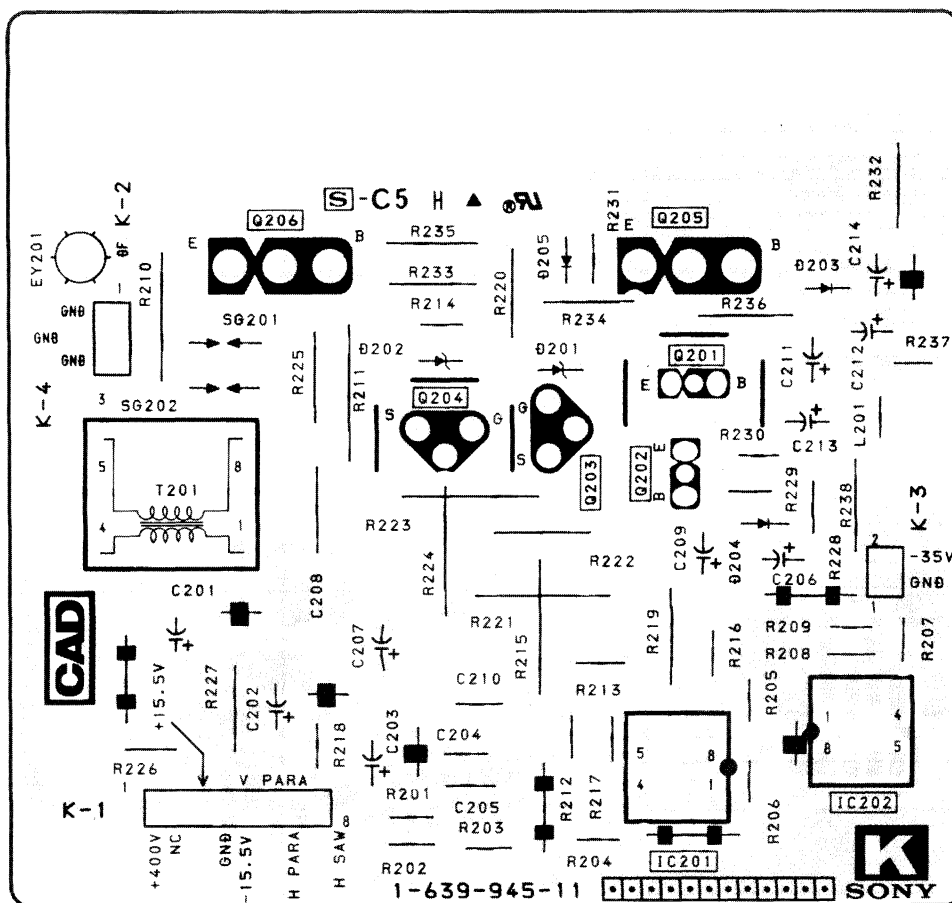
K

[DYNAMIC FOCUS]

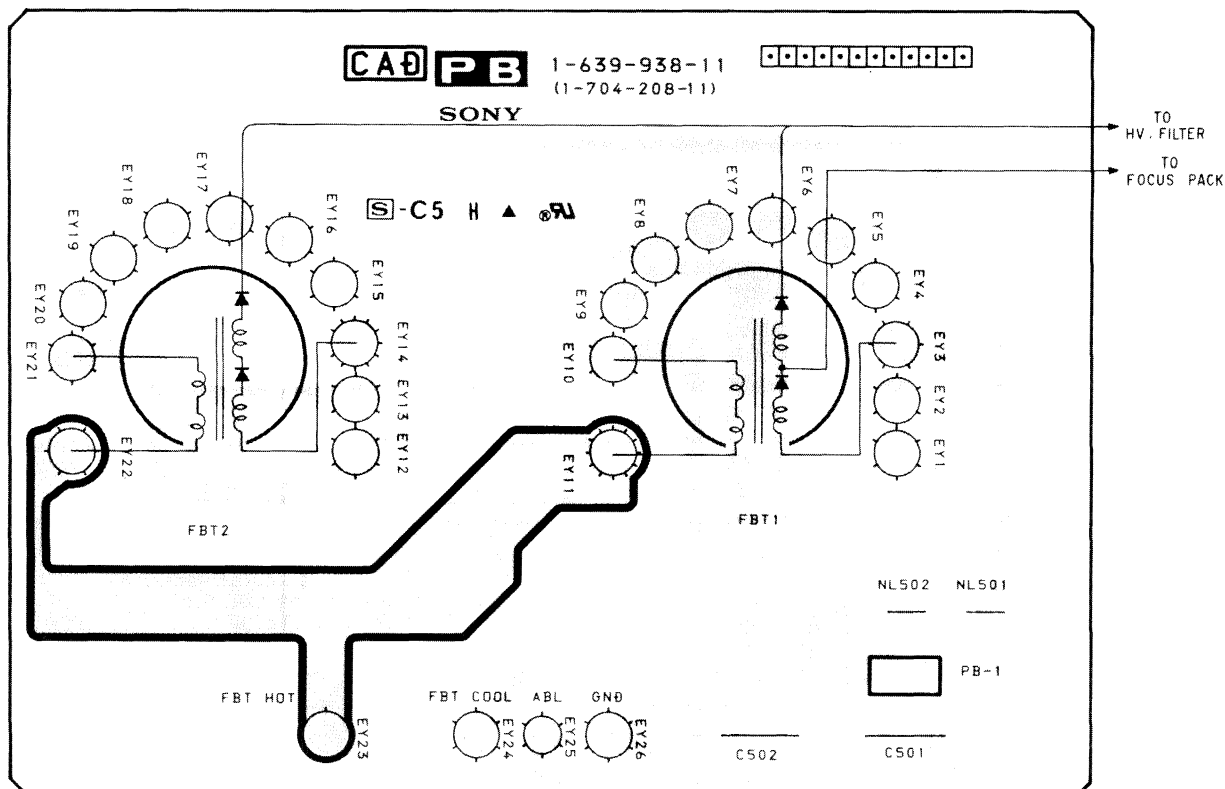
PB

[FBT]

- K BOARD -



- PB BOARD -



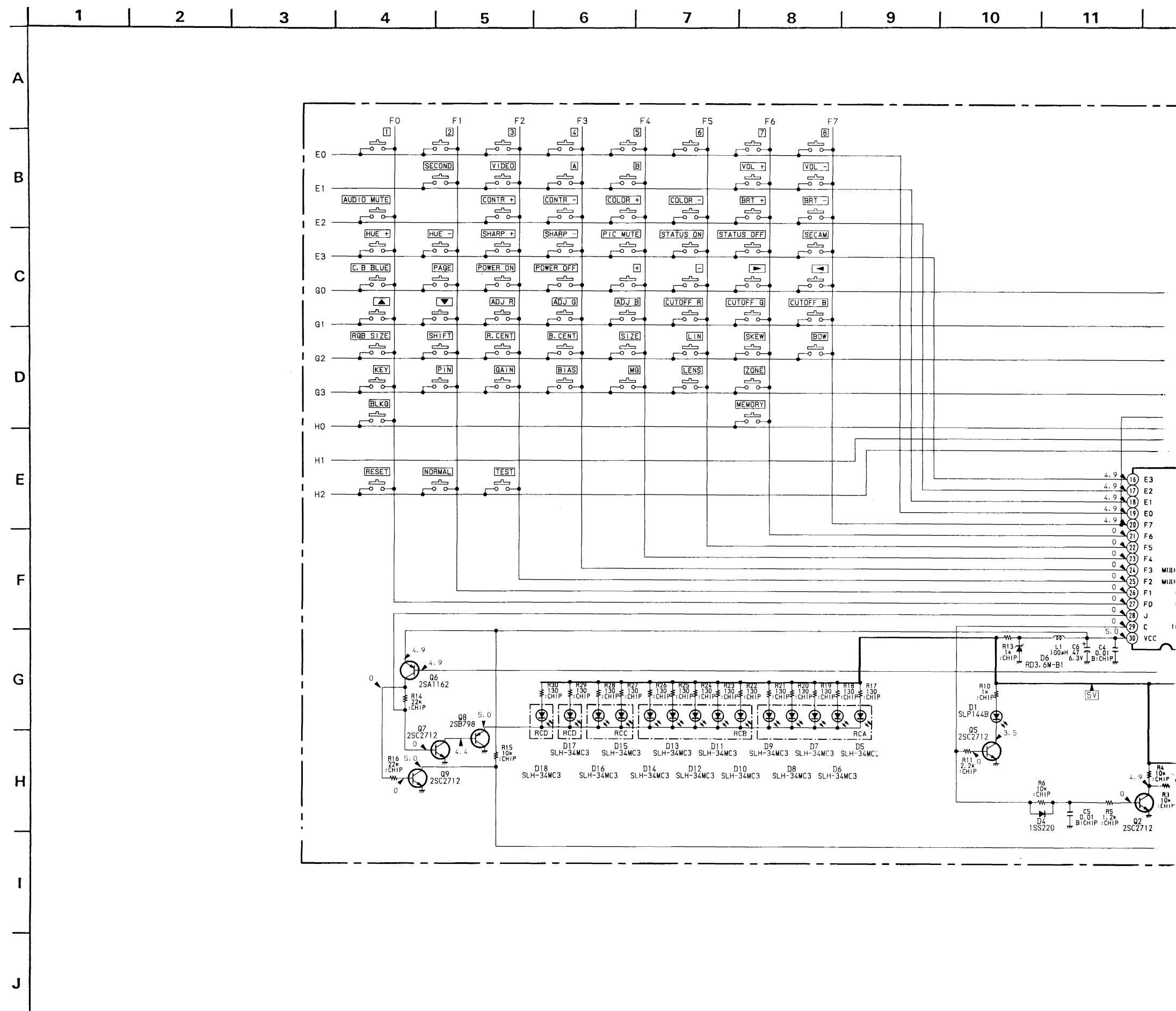
RC	IC1	M50461-157SP	SIRCS ENCODER
	Q1	2SA1162	SIRCS BUFF2
	2	2SC2712	SIRCS BUFF1
	5	2SC2712	INDICATOR DRIVE
	6	2SA1162	LED SW1
	7	2SC2712	LED DRIVE 1
	8	2SB798	LED DRIVE 2
	9	2SC2712	LED SW2
	D1	SLP144B	INDICATOR
	4	1SS220	
	6	RD3.6M-B1	VCC CONT

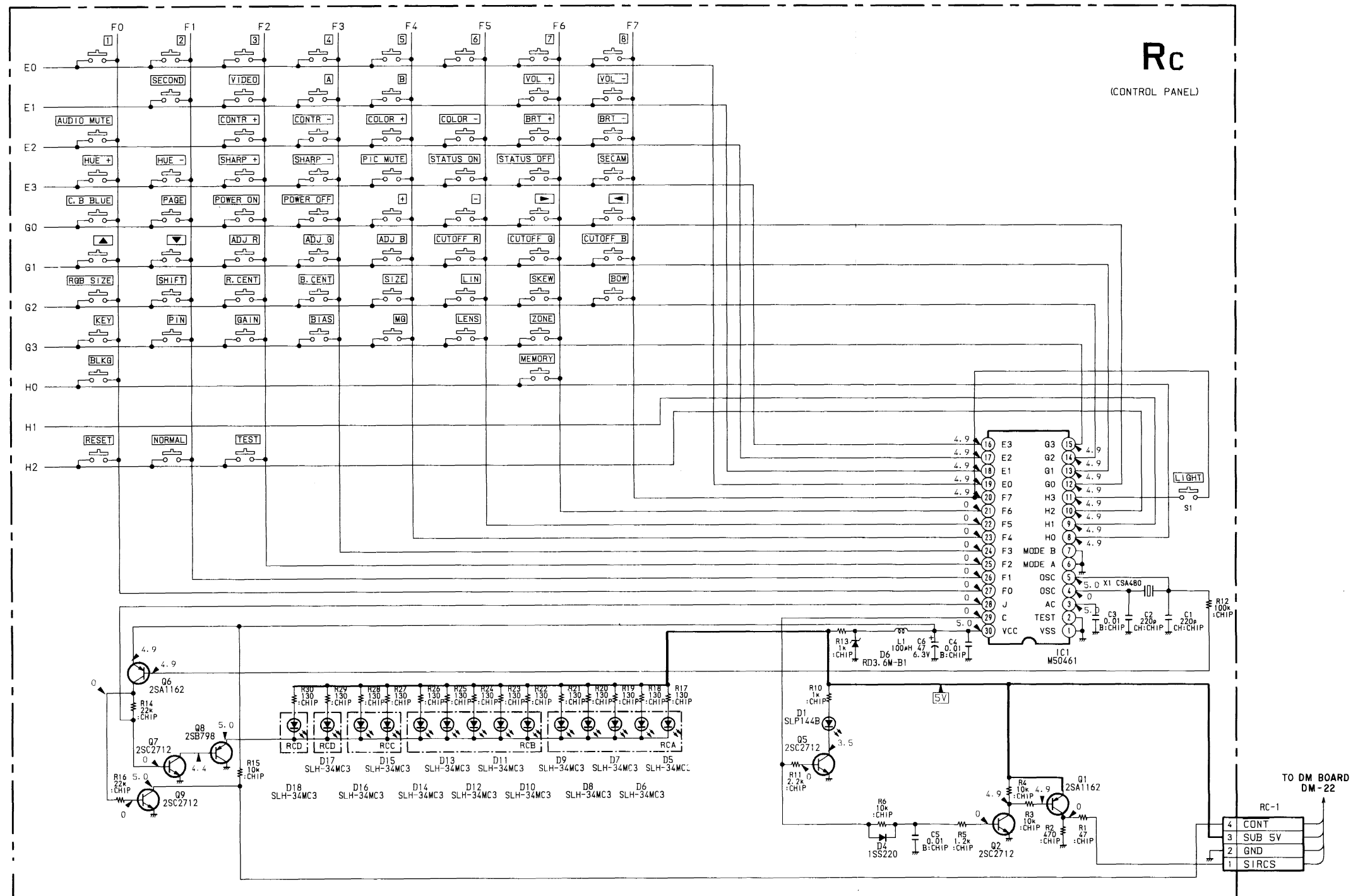
RCA	D5	SLH-34MC3	LIGHT
	6	SLH-34MC3	LIGHT
	7	SLH-34MC3	LIGHT
	8	SLH-34MC3	LIGHT
	9	SLH-34MC3	LIGHT

RCB	D10	SLH-34MC3	LIGHT
	11	SLH-34MC3	LIGHT
	12	SLH-34MC3	LIGHT
	13	SLH-34MC3	LIGHT
	14	SLH-34MC3	LIGHT

RCC	D15	SLH-34MC3	LIGHT
	16	SLH-34MC3	LIGHT

RCD	D1	SLH-34MC3	LIGHT
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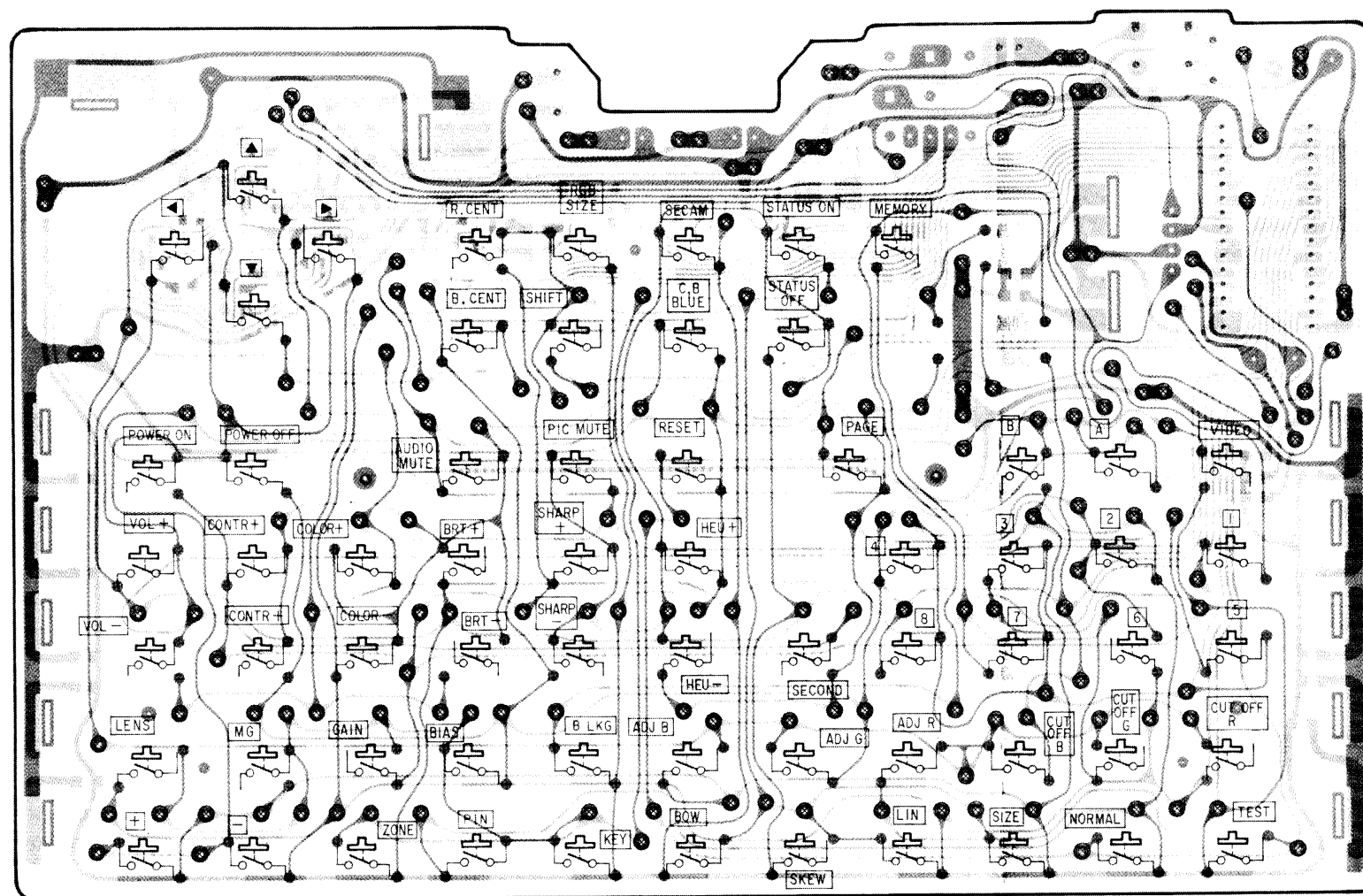


RC

[CONTROL PANEL]

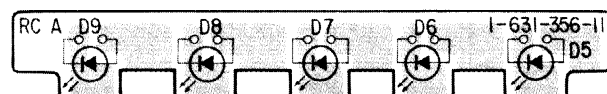
RCA
RCB
RCC
RCD

— RC BOARD — (CONDUCTOR SIDE)

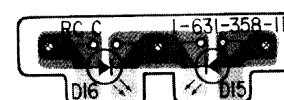

: Conductor side.
: Component side.

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— RC-A BOARD —



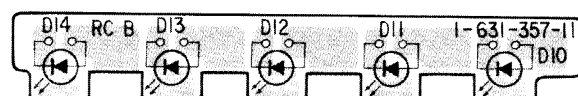
— RC-C BOARD —



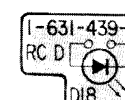
— RC-D BOARD —



— RC-B BOARD —



— RC-D BOARD —

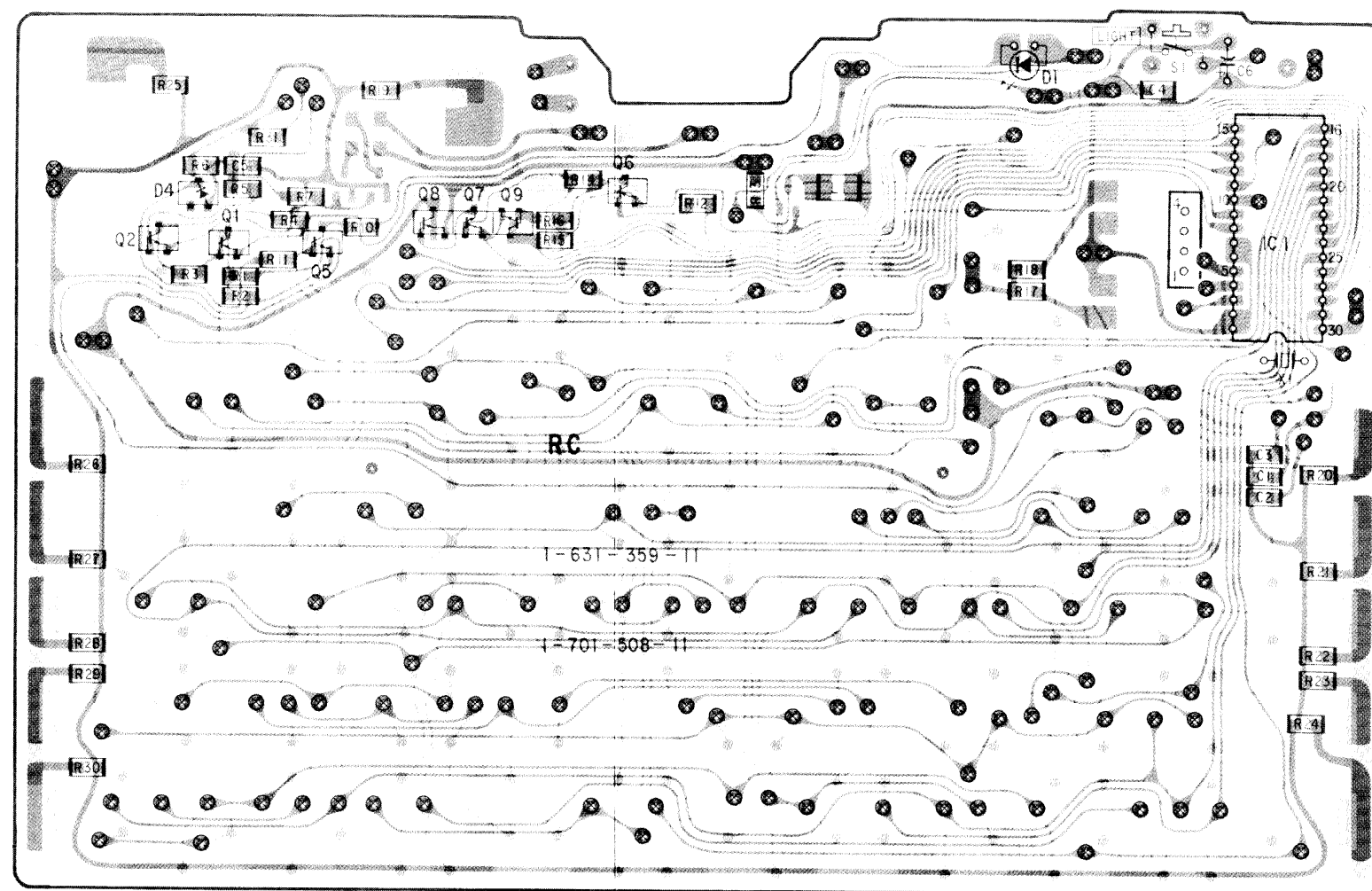


RCC

RCD

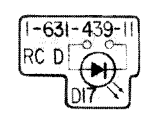
—RC BOARD— (COMPONENT SIDE)

: Conductor side.
: Component side.



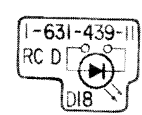
: Component side.
: Conductor side.

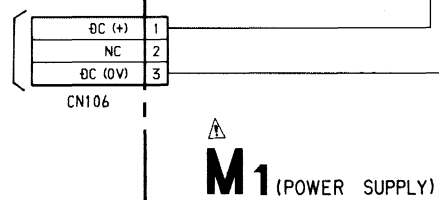
—RC-D BOARD—

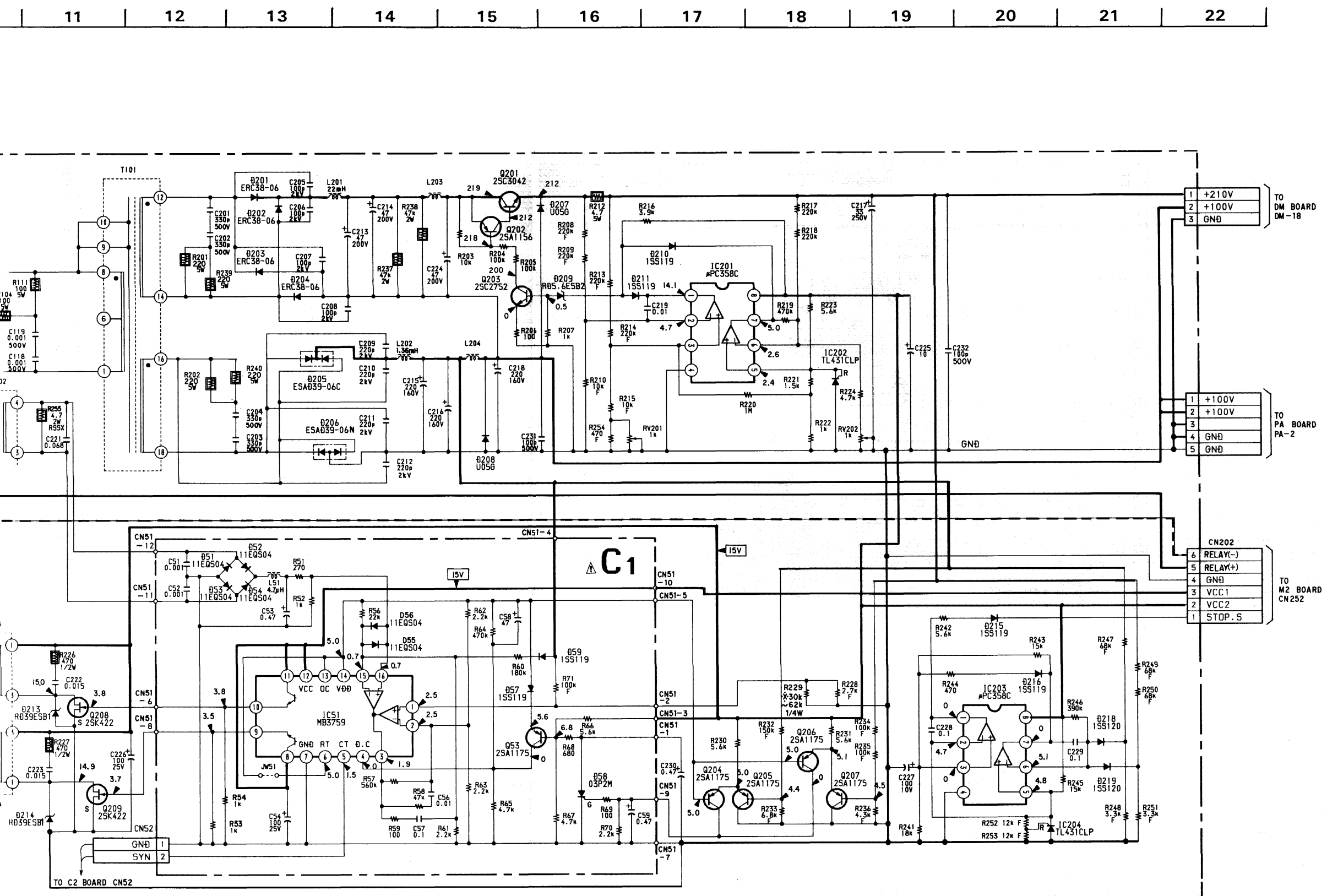


: Pattern from the side which enables seeing.
: Pattern of the rear side.

—RC-D BOARD—



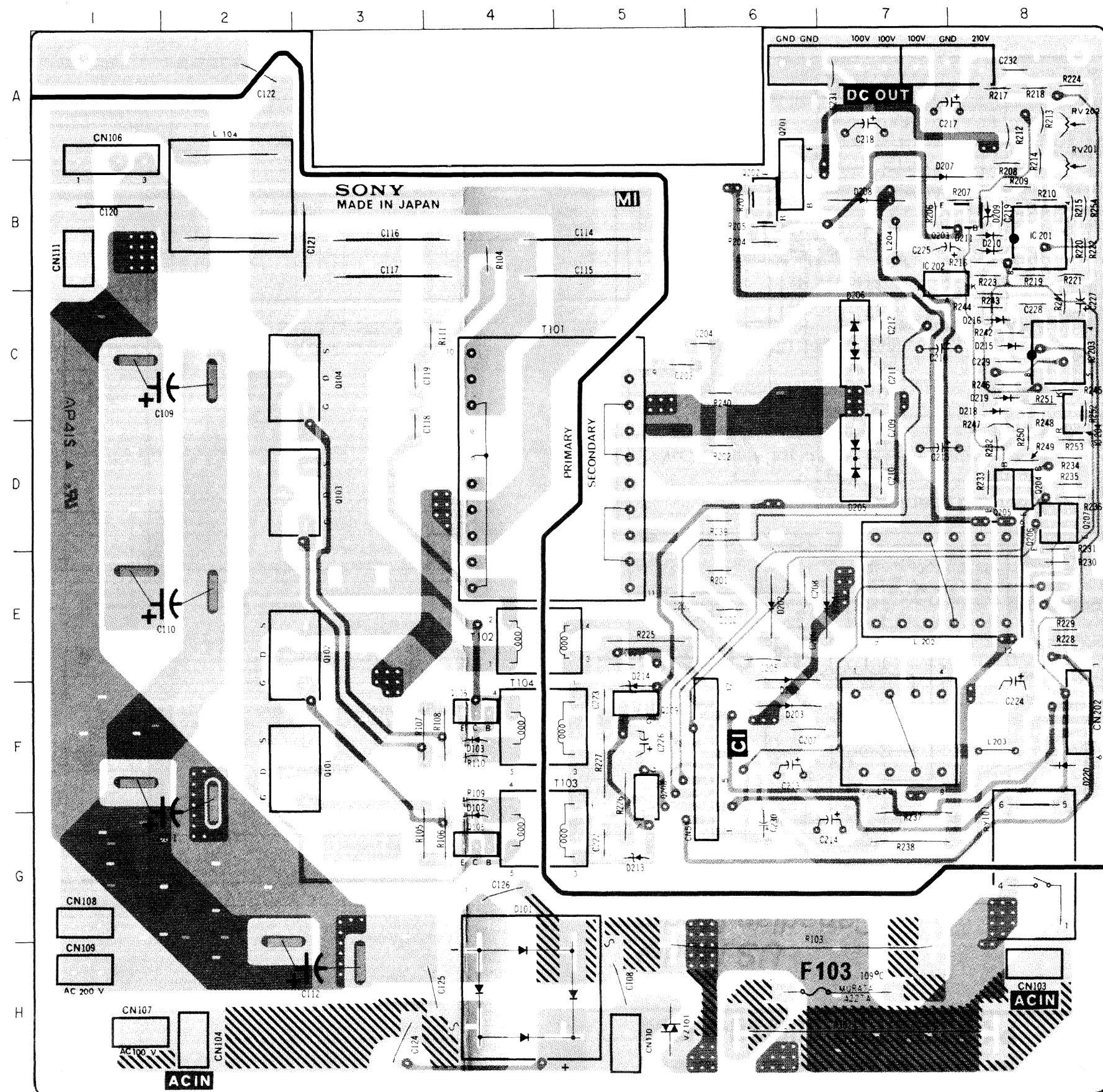




– M1 BOARD –

M1	IC201	μPC358	CMP
	202	TL431C	2.5V REF VOLT
	203	μPC358C	AMP
	204	TL431C	5.0V REF VOLT
	Q101	2SK827	CONV
	102	2SK827	CONV
	103	2SK827	CONV
	104	2SK827	CONV
	105	2SB733	SPEED UP
	106	2SB733	SPEED UP
	201	2SC3042	210V REG
	202	2SA1156	210V REG
	203	2SC2752	210V REG
	204	2SA1175	0V
	205	2SA1175	0V
	206	2SA1175	0V
	207	2SA1175	0V
	208	2SK422	DRIVE
	209	2SK422	DRIVE
	D101	S15VB60	AC RECT
M1	102	11EQS04	RECT
	103	11EQS04	RECT
	201	ERC38-06	210V RECT
	202	ERC38-06	210V RECT
	203	ERC38-06	210V RECT
	204	ERC38-06	210V RECT
	205	ESAD39-08C	100V RECT
	206	ESAD39-08N	100V RECT
	207	U05G	CLAMP
	208	U05G	CLAMP
	209	RD5.6ESB2	CORRECT
	210	1SS119	DC SHIFT
	211	1SS119	DC SHIFT
	213	RD39ESB	CLAMP
	214	RD39ESB	CLAMP
	215	1SS119	DC SHIFT
	216	1SS119	DC SHIFT
	218	1SS120	PROT
	219	1SS120	PROT
	220	1SS119	PROT

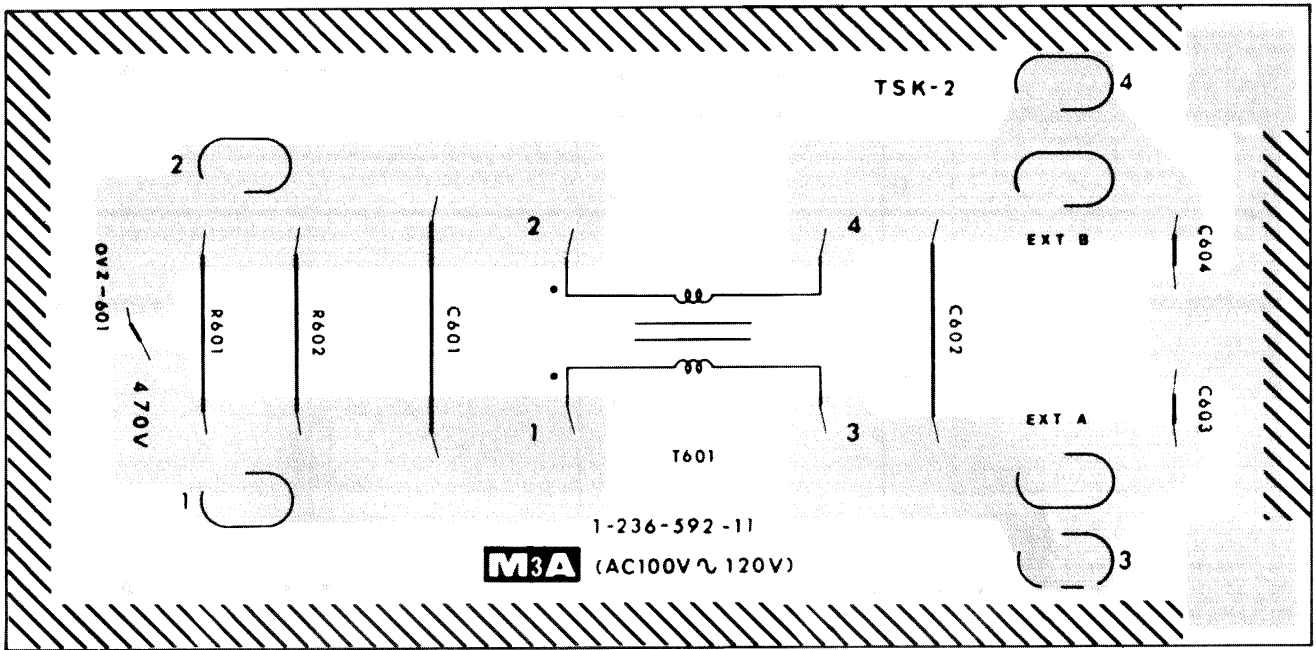
C1	IC51	MB3759	CONTROL
	Q53	2SA1175	AMP
	D51	11EQS04	RECT
	52	11EQS04	RECT
	53	11EQS04	RECT
	54	11EQS04	RECT
	55	11EQS04	CLAMP
	56	11EQS04	CLAMP
	57	1SS119	PROT
	58	03P2M	OFF
	59	1SS119	PROT



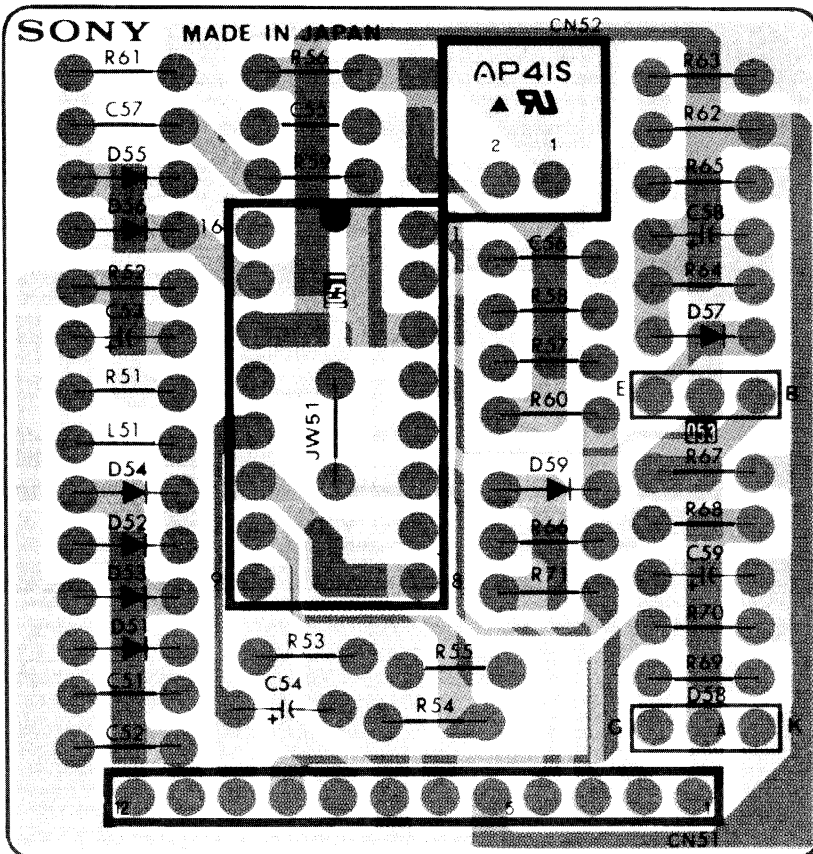
M1 BOARD

IC	
IC201	B - 8
IC202	B - 7
IC203	C - 8
IC204	D - 8
TRANSISTOR	
Q101	F - 3
Q102	E - 3
Q103	D - 3
Q104	C - 3
Q105	G - 4
Q106	F - 4
Q201	B - 6
Q202	B - 6
Q203	B - 8
Q204	D - 8
Q205	D - 8
Q206	D - 8
Q207	D - 8
Q208	F - 5
Q209	F - 5
DIODE	
D101	H - 4
D102	G - 4
D103	F - 4
D201	F - 6
D202	E - 6
D203	F - 6
D204	E - 7
D205	D - 7
D206	C - 7
D207	B - 7
D208	B - 7
D209	B - 8
D210	B - 8
D211	B - 8
D213	G - 5
D214	F - 5
D215	C - 8
D216	C - 8
D218	C - 8
D219	C - 8
D220	F - 8
ADJUSTING ELEMENT	
RV201	B - 8
RV202	A - 8

— M3A BOARD —

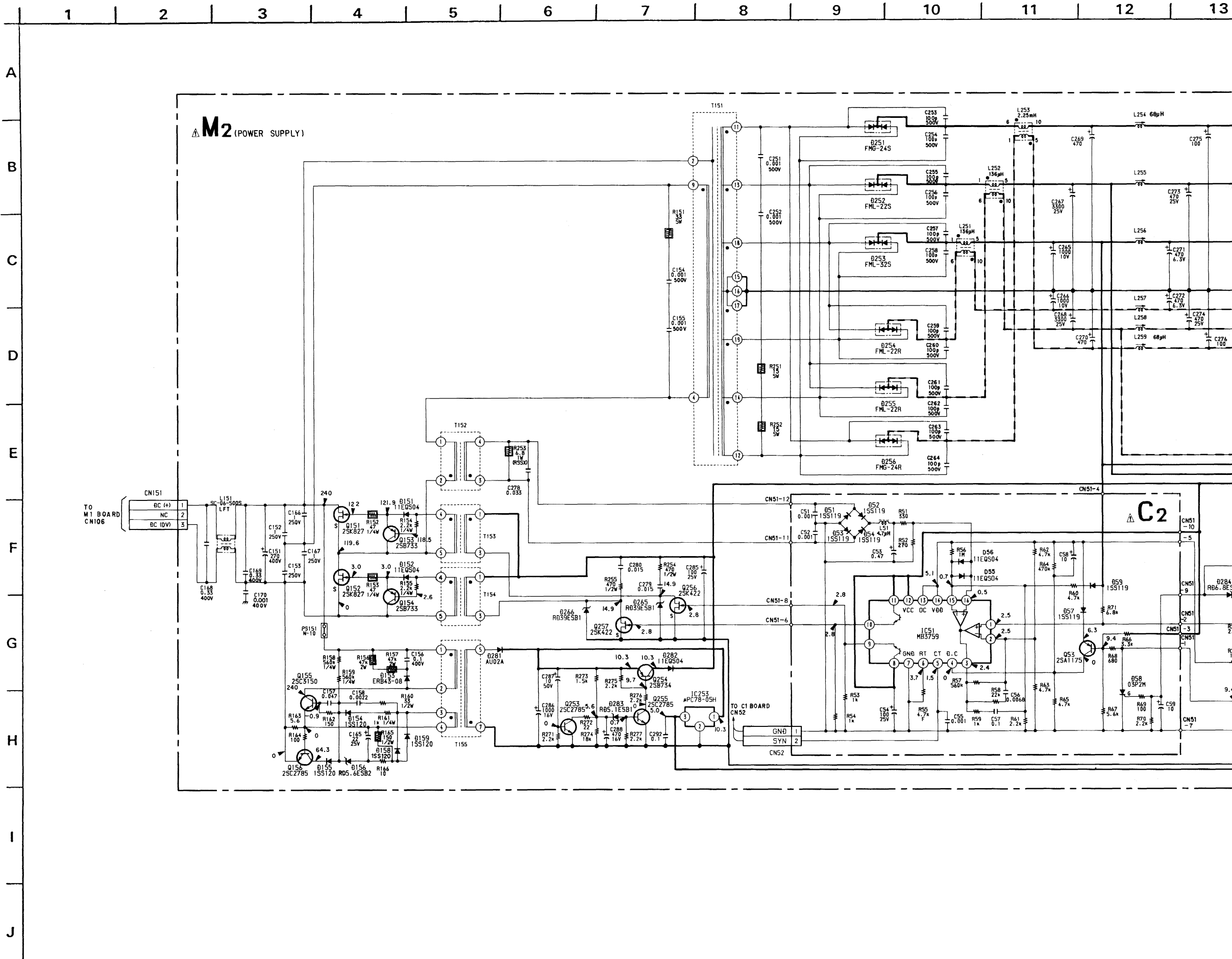


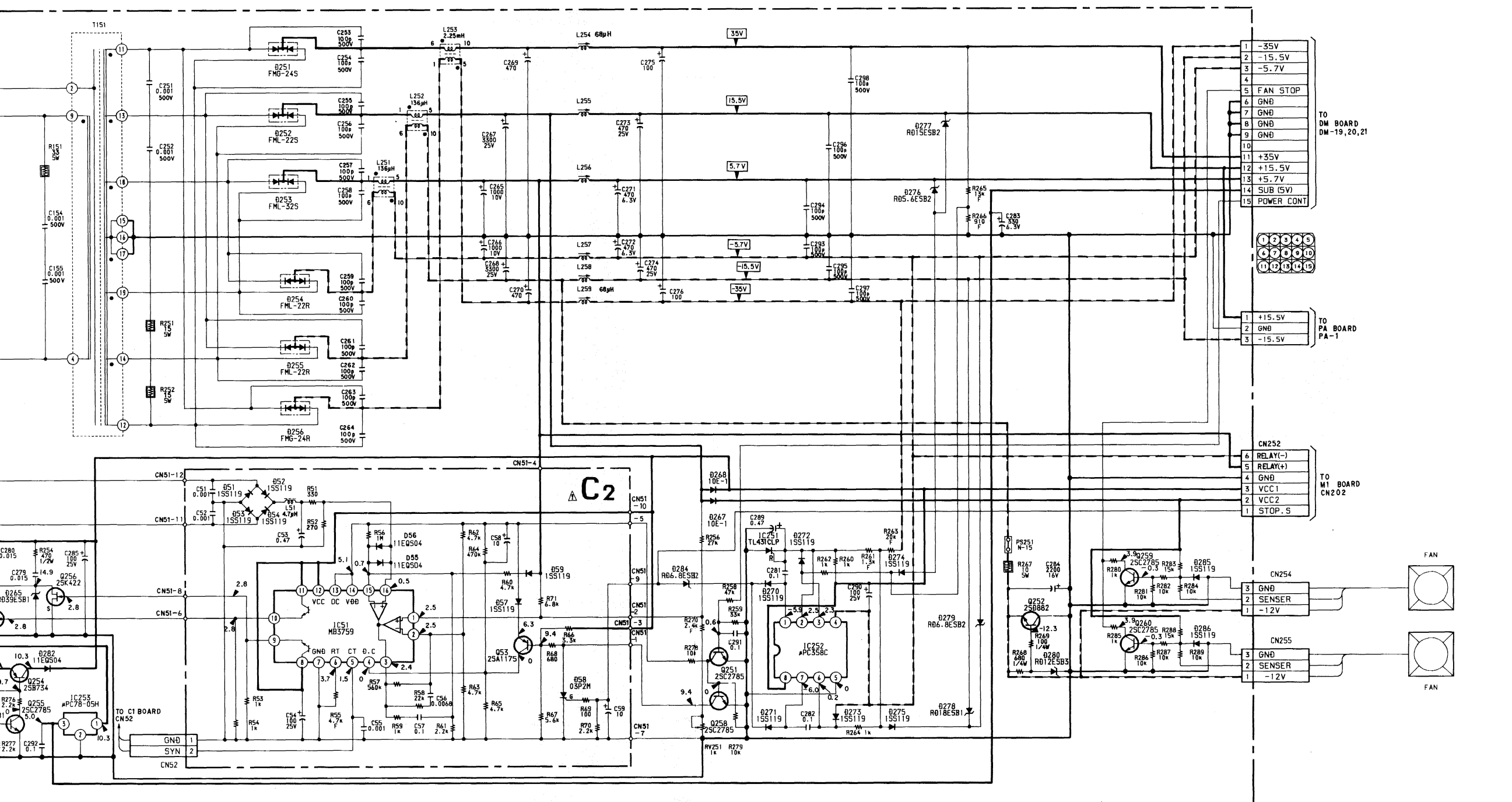
— C1 BOARD —



- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

M2	IC251	TL431C	2.5V REF
	252	μPC358C	AMP
	253	μPC7805H	5V REG
	Q151	2SK827	CONV
	152	2SK827	CONV
	153	2SB733	SPEED UP
	154	2SB733	SPEED UP
	155	2SC3150	CONV
	156	2SC2785	OC
	251	2SC2785	AMP
	252	2SD882	REG
	253	2SC2785	AMP
	254	2SB734	REG
	255	2SC2785	AMP
	256	2SK422	DRIVE
	257	2SK422	DRIVE
	258	2SC2785	AMP
	259	2SC2785	AMP
	260	2SC2785	AMP
	D151	11EQS04	CLAMP
	152	11EQS04	CLAMP
C2	153	ERB43-08	CLAMP
	154	1SS120	PROT
	155	1SS120	PROT
	156	RD5.6ESB2	REF VOLT
	158	1SS120	RECT
	159	1SS120	RECT
	251	FMG-24S	35V RECT
	252	FML-22S	15.5V RECT
	253	FML-32S	5.7V RECT
	254	FML-22R	-5.7V RECT
	255	FML-22R	-15.5V RECT
	256	FMG-24R	-35V RECT
	265	RD39ESB	CLAMP
	266	RD39ESB	CLAMP
	267	10E-1	PROT
	268	10E-1	PROT
	270	1SS119	DC SHIFT
	271	1SS119	DC SHIFT
	272	1SS119	PROT
	273	1SS119	PROT
C2	274	1SS119	PROT
	275	1SS119	PROT
	276	RD5.6ESB2	0V
	277	RD15ESB2	0V
	278	RD18ESB1	0V
	279	RD6.8ESB2	0V
	280	RD12ESB3	REF VOLT
	281	AU02A	RECT
	282	11EQS04	PROT
	283	RD5.1ESB1	DC SHIFT
	284	RD6.8ESB2	CLAMP
	285	1SS119	PROT
	286	1SS119	PROT
	IC51	MB3759	CONTROL
	Q53	2SA1175	AMP
	D51	1SS119	RECT
	52	1SS119	RECT
	53	1SS119	RECT
	54	1SS119	RECT
	55	1SS119	CLAMP
	56	1SS119	CLAMP
	57	1SS119	PROT
	58	03P2M	OFF
	59	1SS119	PROT

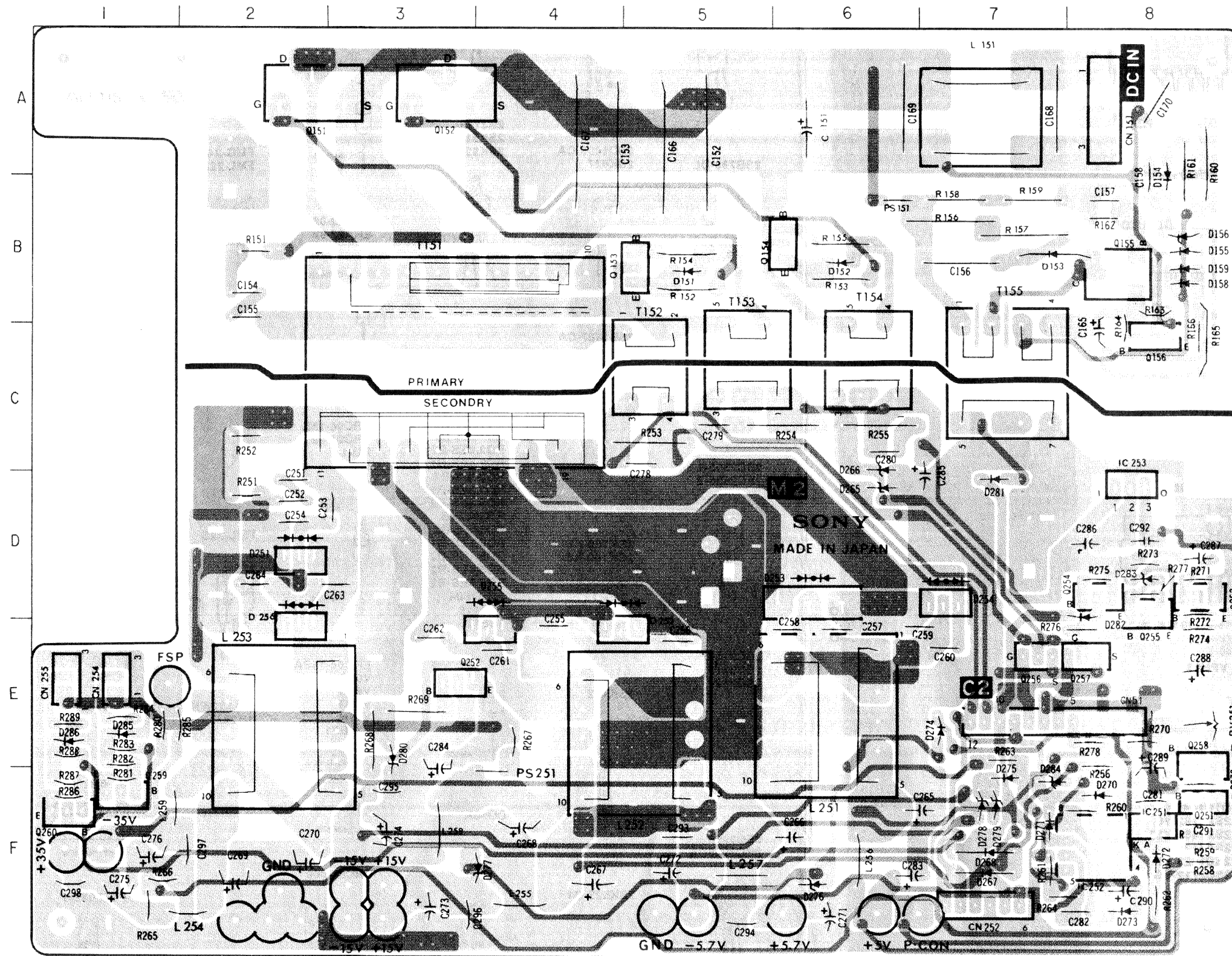




M2

[POWER SUPPLY]

- M2 BOARD -



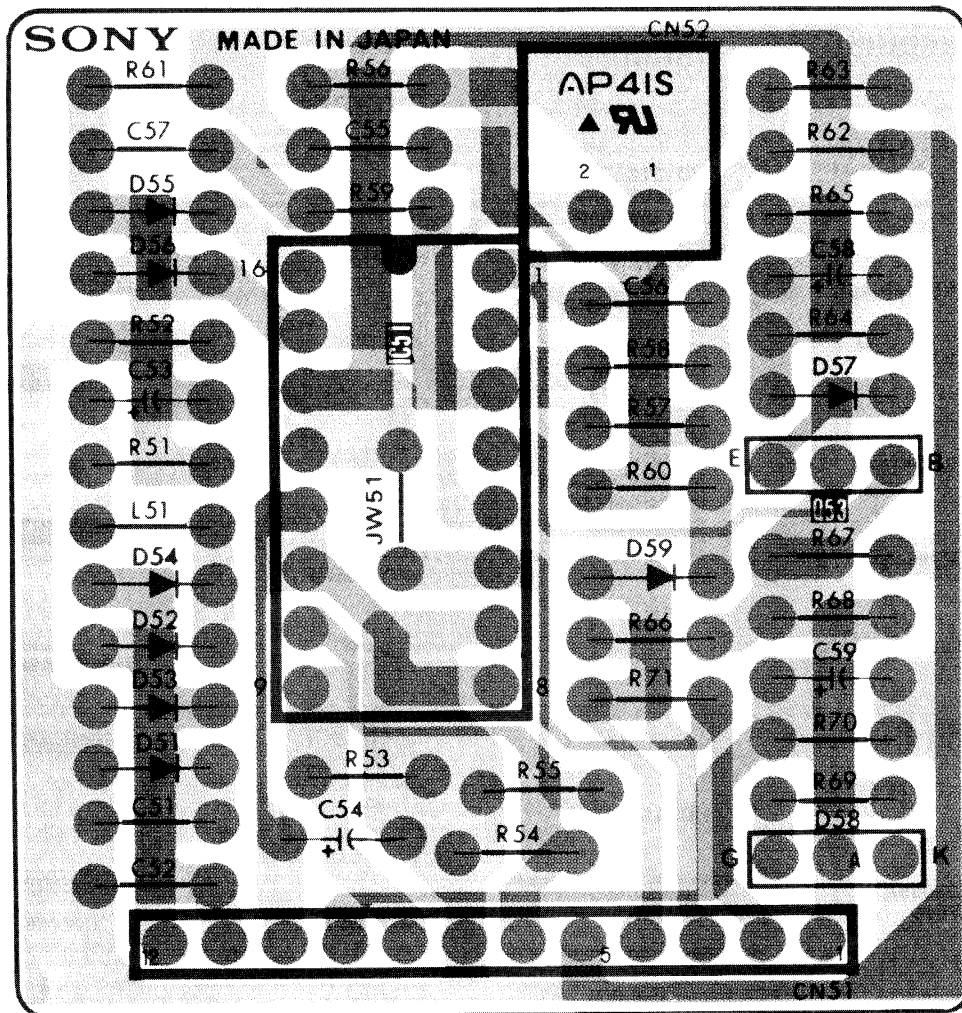
M2 BOARD

IC		ADJUSTING ELEMENT
IC251	F - 8	
IC252	F - 8	
IC253	D - 8	
TRANSISTOR		
Q151	A - 2	
Q153	A - 3	
Q153	B - 5	
Q154	B - 6	
Q155	B - 6	
Q156	C - 8	
Q251	F - 8	
Q252	E - 3	
Q253	D - 8	
Q254	D - 8	
Q255	D - 8	
Q256	E - 7	
Q257	E - 8	
Q258	E - 8	
Q259	F - 1	
Q260	F - 1	
DIODE		
D151	B - 5	
D152	B - 6	
D153	B - 7	
D154	A - 8	
D155	B - 8	
D156	B - 8	
D158	B - 8	
D159	B - 8	
D251	D - 2	
D252	E - 5	
D253	D - 6	
D254	D - 7	
D255	D - 4	
D256	D - 2	
D265	D - 6	
D266	C - 6	
D267	F - 7	
D268	F - 7	
D270	F - 8	
D271	F - 7	
D272	F - 8	
D273	F - 8	
D274	E - 7	
D275	F - 7	
D276	F - 6	
D277	F - 4	
D278	F - 7	
D279	F - 7	
D280	E - 3	
D281	D - 7	
D282	D - 8	
D283	D - 8	
D284	F - 7	
D285	E - 1	
D286	E - 1	

C2

[POWER SUPPLY]

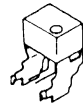
– C2 BOARD –



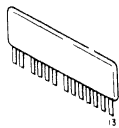
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

7-5. SEMICONDUCTORS

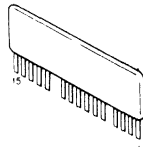
BX1398



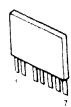
BX-6473



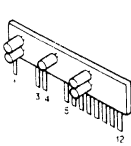
BX-6474



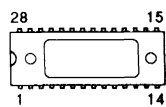
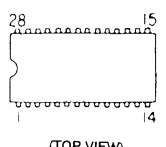
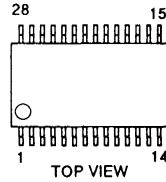
BX-6475



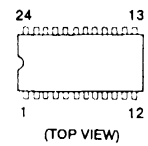
BX7913



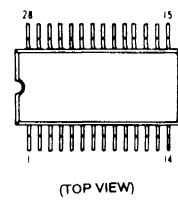
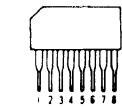
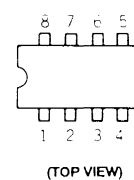
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CXA1216P
MBM27C512P-20
TDA4555/V1

CXK3864-040M
CXK3864-041M
CXK3864-042M


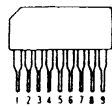
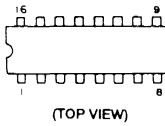
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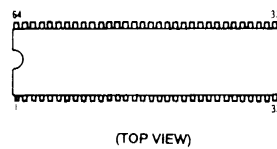
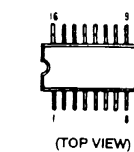
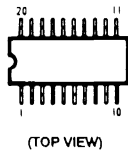
CXK5864BM-12L


CX23065A
LA7016

CX7916
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LM6364N
TL082CP
 μ PC358C
 μ PC4558C
 μ PC814C


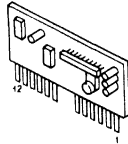
CX-894


HD10124
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HD14538BFP
HD14538BP
HD74HC123P
MB3759
MB3759P-SNY
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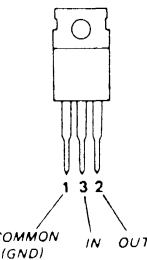
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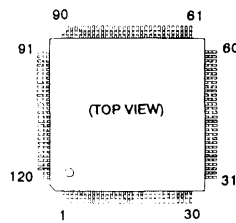
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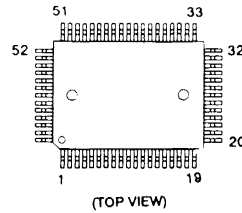

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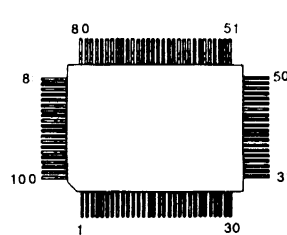
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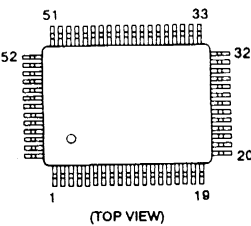
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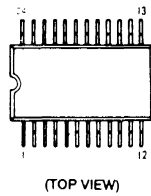
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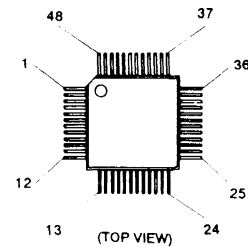
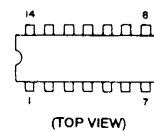
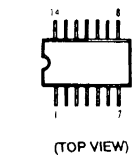
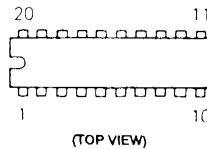
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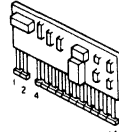
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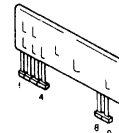
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 μ PC1394C

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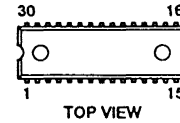
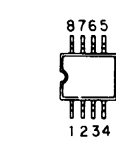
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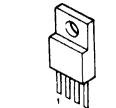
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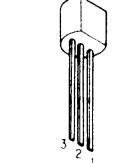
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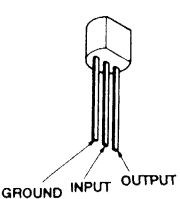
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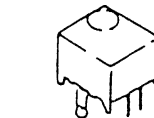
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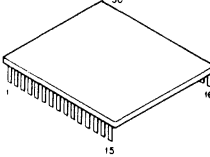
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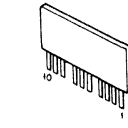
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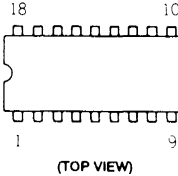
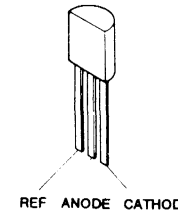
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SNY-9202



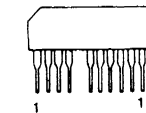
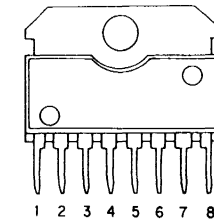
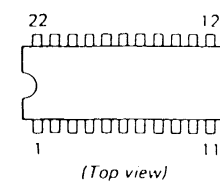
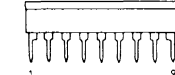
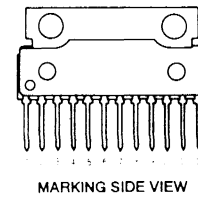
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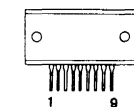
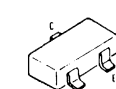
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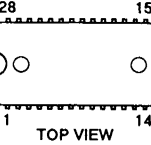
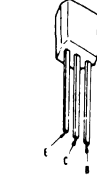
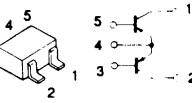
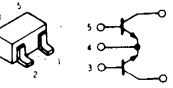
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 μ PC1241H

 μ PC1377C

 μ PC1406HA

 μ PC1498H


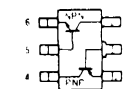
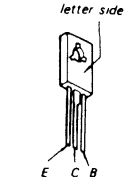
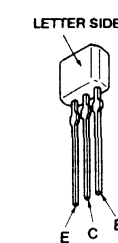
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2SA812
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2SC2712-YG
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X28C64PI

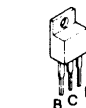

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XDA144ES
XDC114ES

FMS1
FMS2

FMW-8
FMW1
FMW2


IMX2

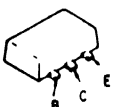

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2SC2688-LK
2SD882-Q

2SA1175
2SA1175-HFE
2SC2785
2SC2785-HFE

2SA1208-S
2SC2910
2SD789-4
2SD789-34

2SA1358-Y
2SC3421-Y

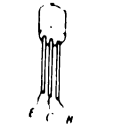
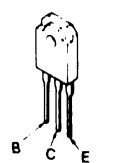
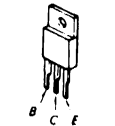
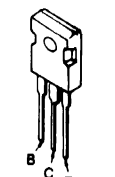
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2SC3668-O

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2SD1977

2SB733-3
2SB733-4
2SB734-34
2SC3208LK
2SD774-34


2SB798-DL



2SC2551-O


2SC2555-1
2SC2555-2

2SC3150
2SC3675
2SD982

2SC3998
2SC3998CA


2SB733-3
2SB733-4
2SB734-34
2SC3209LK
2SD774-34



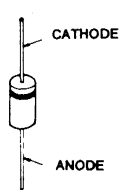
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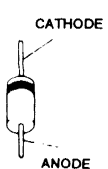
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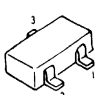
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10E1
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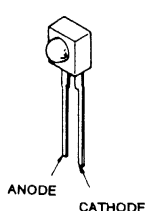
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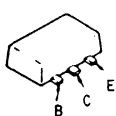
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RD13M-B2
RD3.3M-B2
RD3.6M-B1
RD4.3M-B1
RD5.1M-B2
RD6.2M-B1
1SS220



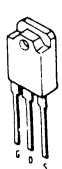
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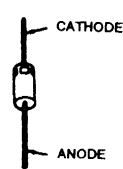
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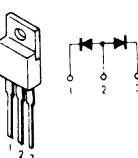
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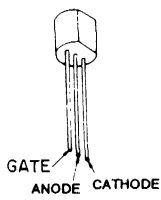
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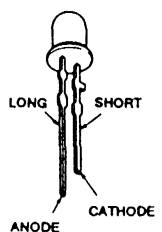
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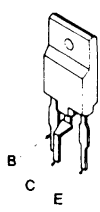
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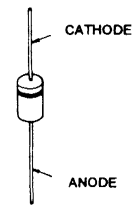


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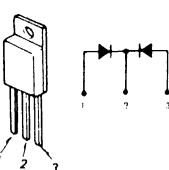


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RD12ES-B2
RD12ES-B3
RD13ES-B2
RD15ES-B2
RD18ES-B1
RD2.0ES-B2
RD2.4ES-B1
RD20ES-B2
RD3.3ES-B1
RD3.3ES-B2
RD39ES-B
RD39ES-B2
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RD6.8ES-B2
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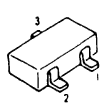
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ERC91-02
RU-1
RU-1C



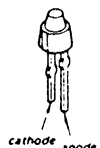
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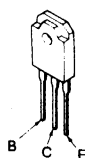
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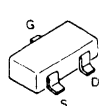
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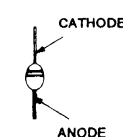
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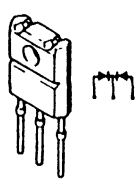
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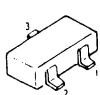
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V06C
V09C
V09G
V11N
V19EF1



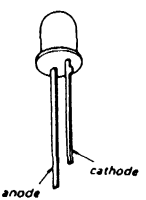
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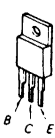
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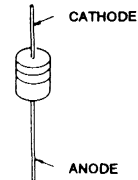
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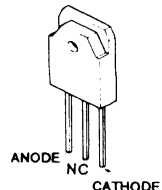
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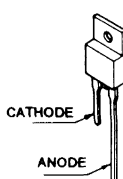
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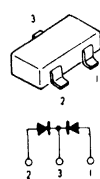
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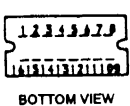
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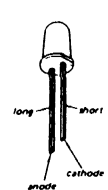


GL-6R202



BOTTOM VIEW

TLG113A



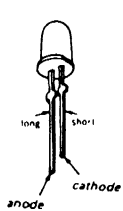
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2SK523-M1



PY5504S-1



TLR113A

