

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

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK
	1-698-057-11	FAN, DC	
	A 1-900-086-01	LEAD ASSY, HIGH-VOLTAGE	
	1-941-648-22	CONNECTOR ASSY, MICRO 2P	
V901	A 8-736-241-05	PICTURE TUBE 07MSP(G)	
V902	A 8-736-242-05	PICTURE TUBE 07MSP(B)	
V903	A 8-736-243-05	PICTURE TUBE 07MSP(R)	

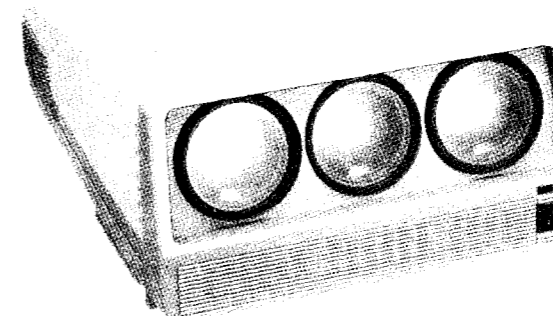
ACCESSORIES AND PACKING MATERIALS

*A-1280-414-A	RC BOARD, COMPLETE
X-4029-240-1	BAG ASSY, WASHER (T0.5)
X-4029-241-1	BAG ASSY, WASHER (T1.0)
*X-4029-335-1	PLATE ASSY, BOTTOM
X-4395-576-1	BAG ASSY, WASHER (T0.4)
X-4395-577-1	BAG ASSY, WASHER (T1.2)
X-4395-578-1	SPACER (0) ASSY, LENS
X-4395-579-1	SPACER (2) ASSY, LENS
1-575-100-11	CABLE, MINIATURE PLUG
A 1-559-303-11	CODE, POWER(7.0A/250V) (VPH-1272QM ONLY)
A 1-559-303-21	CODE, POWER(10.0A/125V) (VPH-1272Q ONLY)
2-357-277-01	PANEL, FRONT
3-562-223-00	TERMINAL BOARD, POSITIVE
3-703-372-28	CARD, WARRANTY (VPH-1272Q ONLY)
*3-704-333-01	SHEET (STANDARD), PROTECTION
3-758-106-21	MANUAL, INSTRUCTION
3-758-106-31	MANUAL, INSTRUCTION
3-758-106-41	MANUAL, INSTRUCTION (VPH-1272QM ONLY)
3-758-107-21	MANUAL, INSTRUCTION
3-758-107-41	MANUAL, INSTRUCTION (VPH-1272QM ONLY)
*4-030-571-01	CUSHION (LOWER) (ASSY)
*4-030-572-01	PALLET, WOODEN
*4-030-574-01	TRAY
4-032-658-01	KEY TOP
4-032-660-01	SHEET, RUBBER
4-374-469-01	FOOT, RUBBER
4-395-501-01	KEY TOP
4-395-502-01	LID (A)
4-395-503-31	LID (B)
4-395-504-01	COVER, BATTERY
4-395-508-01	CASE, LOWER
*4-395-562-01	SPACER (200S), PICTURE TUBE
*4-395-563-01	SPACER (200U), PICTURE TUBE
*4-395-564-01	SPACER (72U), PICTURE TUBE
*4-395-565-01	SPACER (72S), PICTURE TUBE
*4-396-287-01	SPACER
*4-396-288-01	BOX, ACCESSORY
*4-388-954-01	BAG, PROTECTION
*4-395-515-01	CUSHION (UPPER) (ASSY)
*4-396-077-01	JOINT
*4-396-286-01	SUPPORT
*4-396-915-01	HOLDER

SERVICE MANUAL

VPH-1272QM
Chassis No. SCC-D13D-A

VPH-1272Q
Chassis No. SCC-D27D-A



SuperData EX

Note: The service manual for **RM-1271** has been issued separately

MODELS OF THE SAME SERIES

VPH-1272QM/Q	
VPH-1252QM/Q	

SPECIFICATIONS

Optical		RGB inputs	Horizontal frequency 15kHz-93kHz Vertical frequency 38Hz-150Hz
Projection system	3 picture tubes, 3 lenses, Horizontal inline system	Test signal	Cross-hair test pattern generator is incorporated.
Picture tube	7-inch new high-brightness monochrome tubes, with coolant sealed	Speaker	4x8cm (1 5/8x3 1/4 inches), 3W
Projection lens	HACC (High-resolution Aspherical and Color Corrected) lenses F 1.12/140mm	Input	VIDEO IN Y/C: 4-pin mini DIN connector Y (luminance) signal: 1 Vp-p ±2dB, sync negative, 75 ohms terminated C (chrominance) signal: burst 0.286 Vp-p ±2dB, 75 ohms terminated (NTSC) 0.3 Vp-p ±2dB, 75 ohms terminated (PAL)
Projected picture size	Factory-adjusted to 120 inches measured diagonally 70-300 inches measured diagonally adjustable by changing the parts		
Light output	700 lm (white peak) 200 lm (all white)		
General			
Color system	PAL, SECAM, NTSC and NTSC4.43 systems, switched automatically		
Resolution	700 TV lines (VIDEO input) 1500x1200 pixels (RGB input at 1.74 kHz, 1.6 GHz)		

— continued on next page —



VIDEO: BNC connector
Composite video input,
1 Vp-p ±2dB, sync
negative, 75 ohms
terminated.

AUDIO IN
phono jack
500 m Vrms, Impedance: more
than 47 k ohms

RGB input
R: BNC connector
Red input, 0.7 Vp-p ±2dB,
75 ohms terminated, positive

G/G SYNC: BNC connector
Green input, 0.7Vp-p ±2dB,
75 ohms terminated, positive
Green with sync input,
1Vp-p ±2dB, 75 ohms
terminated, positive

B: BNC connector
Blue input, 0.7Vp-p ±2dB,
75 ohms terminated, positive

SYNC/HD: BNC connector
Composite sync input,
0.3-8Vp-p, high impedance,
positive/negative
Horizontal sync input,
0.3-8Vp-p, high impedance,
positive/negative

VD: BNC connector
Vertical sync input, 0.3-8Vp-p,
high impedance,
positive/negative
Width: wider than horizontal
period (1H)

AUDIO IN L(MONO)/R: phone
jacks

REMOTE 1 connector: 14-pin
(see "Signal assignment")

REMOTE 2 connector: 9-pin
(see "Signal assignment")

CONTROL S IN: minijack, 5Vp-p

VIDEO OUT: BNC connector
Composite video output,
1Vp-p ±2dB, impedance
75 ohms, output video signal
from the VIDEO IN connector

CONTROL S OUT: minijack,
5Vp-p

Outputs

Power requirements 120 V AC, 50/60Hz (VPH-1272Q)
220-240 V AC, 50/60Hz (VPH-1272QM)

Power consumption 560W (VPH-1272Q)
540W (VPH-1272QM)

Operating temperature -10°C → +40°C
(humidity: 10% -90%)

Storage temperature -20°C → +60°C
(humidity: 10% -90%)

Dimensions Approx. 620x355x817mm (w/h/d)
(24 1/2x14x32 1/4 inches)

Weight 64kg (143 lb 5oz)

Accessories supplied Remote Commander RM-1271 (1)
with 3 R6 (AA) batteries
Remote Commander cable (1)
AC power cord (1)
Washer for optical axis adjustment
(12 each for 4 sorts of thickness)
CRT spacers (1 set each for the size
S and L))
Spacer for rear projection
(1 set each for the angles of optical
axis 0° and 2°)

Accessories (not supplied)

Signal interface switcher
PC-1271 (VPH-1272Q)
PC-1271M (VPH-1272QM)

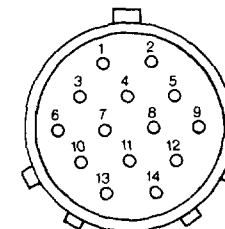
Projector suspension support
PSS-1270, PSS-10
Screen
VPS-72HG1 (72" curved)
VPS-100HG1 (100" curved)
VPS-700R (70" rear projection)
VPS-80FH (80" flat manual)
VPS-80FMJ (80" flat auto)
VPS-100FH (100" flat manual)
VPS-100FMJ (100" flat auto)
VPS-120FH (120" flat manual)
VPS-120FMJ (120" flat auto)
VPS-701R (70" rear projection)

CCQ BRS cables
Interface board
IFB-11 (5BNC, Analogue)
IFB-20 (9-pin, Analogue)
IFB-1000 (Video, Y/C)
IFB-30 (9-pin, Digital)
IFB-101
IFB-1300 (3BNC, HD)

Signal assignment

REMOTE 1 connector (14-pin)

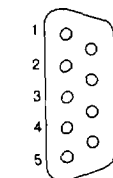
Pin No.	Signal
1	GND
2	HD/Composite Sync
3	SIRCS
4	NC
5	GND(SIRCS)
6	B/C
7	GND(B/C)
8	GND(G/Y)
9	G/Y
10	RGB/Video
11	R/Composite Video
12	Composite Video/YC
13	AUDIO
14	VD



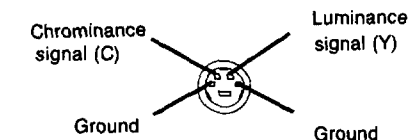
REMOTE 2 connector (D-sub 9-pin)

Pin No.	Signal
1	Frame Ground
2	Transit A
3	Receive B
4	Receive Common
5	Spare
6	Transmit Common
7	Transmit B
8	Receive A
9	Frame Ground

RS-422 format



Y/C connector (4-pin mini DIN)



• Note for when using this manual.
These following sections GENERAL, DISASSEMBLY, CIRCUIT DESCRIPTIONS,
SET-UP ADJUSTMENTS and CIRCUIT ADJUSTMENTS are the same as VPH-
1271QM (PART No. 9-978-199-01) and VPH-1271Q (PART No. 9-978-197-01)
so refer to mentioned above service manual.

SAFETY CHECK-OUT (US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the metal trim, metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

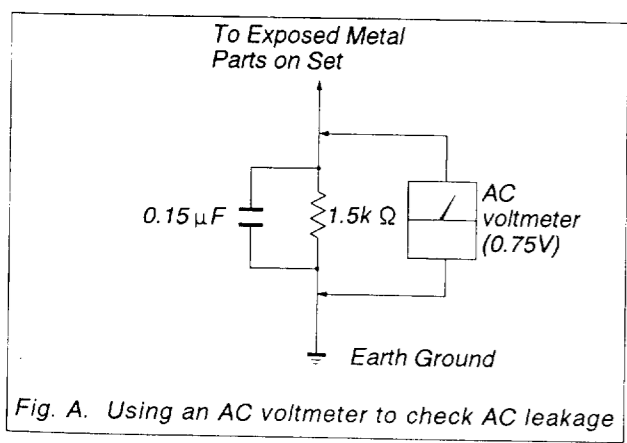


Fig. A. Using an AC voltmeter to check AC leakage

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

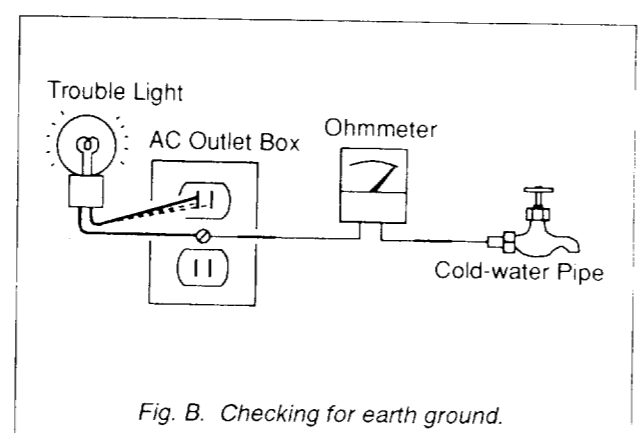


Fig. B. Checking for earth ground.

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WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE. LE CHASSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDE A L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTE.

SECTION 1 SAFETY RELATED ADJUSTMENT

When exchanging part check HV hold-down circuit, HV regulation circuit, LOW B protector circuit and beam current protector circuit.

- ☒ R33, R34 [HV hold-down] PA board.
- ☑ IC2, Q7, D9, D12, C13, R20, R21, R22, R23, R24, R33, R34, R35, R36, R82, HV BLOCK, PA mount

- ☒ R131, R132, [HV regulation] PA board
- ☑ IC1, IC7, IC8, IC9, IC10, IC11, IC12, IC13, R38, R39, R63, R64, R65, R66, R69, R72, R78, R80, R131, R132, X1, HV BLOCK, PA mount, PB mount

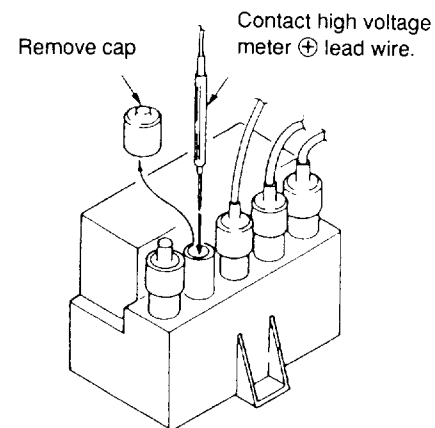
- ☒ R29, R30, [LOW B protector] PA board
- ☑ IC1, IC3, IC5, Q8, D4, D5, D10, D11, R9, R10, R26, R28, R29, R30, R31, R88, R95, PA mount

- ☒ R1, R4, [Beam current protector] PA board
- ☑ IC1, IC3, IC5, Q1, Q2, Q7, Q8, D4, D5, D9, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R20, R21, R22, R24, R43, R44, R45, R46, R47, R82, R88, R121, R122, R143, R144, R733 (DA board), PA mount, PB mount

☒ R33,R34 : HV Hold-down

1. Confirm set power is turned OFF.
2. Connect high voltage meter ⊕ to HV filter vacant terminal and ⊖ to chassis earth.
3. Remove resistance mounted between PA board TP7-TP9. Connect variable resistor and set at 47KΩ.
4. Remove resistance mounted between PA board TP16-TP18. Connect variable resistor and set at 27KΩ.
5. Turn RV1 fully counterclockwise
6. Turn set power ON.
7. Input monoscope signal, and set RGB CUT OFF switch to ON.
8. Turn variable resistor between TP16-TP18 to change resistance value and adjust high voltage to around 34.0±0.3KV.
9. Turn variable resistor between TP7-TP9 to change resistance value, adjust high voltage to around 34.0±0.3KV, and confirm hold-down circuit operates and raster disappears.
10. Turn set power OFF.
11. Remove variable resistor between TP7-TP9. Measure the volume resistance value and solder on the same amount of resistance to R33, R34 (carbon, 1/4W).

12. Next, slightly raise volume resistance value between TP16-TP18.
13. Turn set power ON.
14. Turn variable resistor between TP16-TP18 again and raise high voltage. Confirm hold-down circuit operates at 34.0±0.3KV and raster disappears.
15. Next, adjust HV regulation.

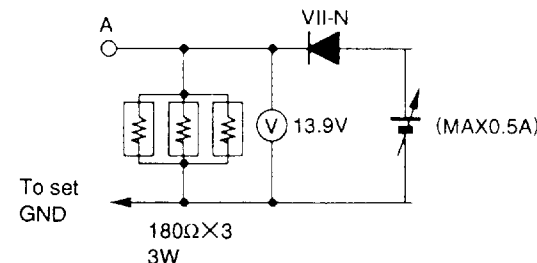


☒ R131,R132 : HV regulation

1. Confirm set power is OFF.
2. Connect high voltage meter ⊕ to HV filter vacant terminal and ⊖ to chassis earth.
3. Set variable resistor between PA board TP16-TP18 to 27KΩ.
4. Turn set power ON.
5. Press CUT-OFF key and cut-off R. G. B.
6. Turn variable resistor between TP16-TP18 to change resistance value and adjust high voltage to around 33.0±0.3KV.
7. Turn set power OFF.
8. Remove variable resistance between TP16-TP18. Measure the volume resistance value and solder on the same amount of resistance to R131,R132 (carbon, 1/4W).
9. Turn set power ON.
10. Confirm high voltage meter reads 33.0±0.3KV.
11. Turn set power OFF and remove high voltage meter.

☒ R29,R30 : LOW B Protector

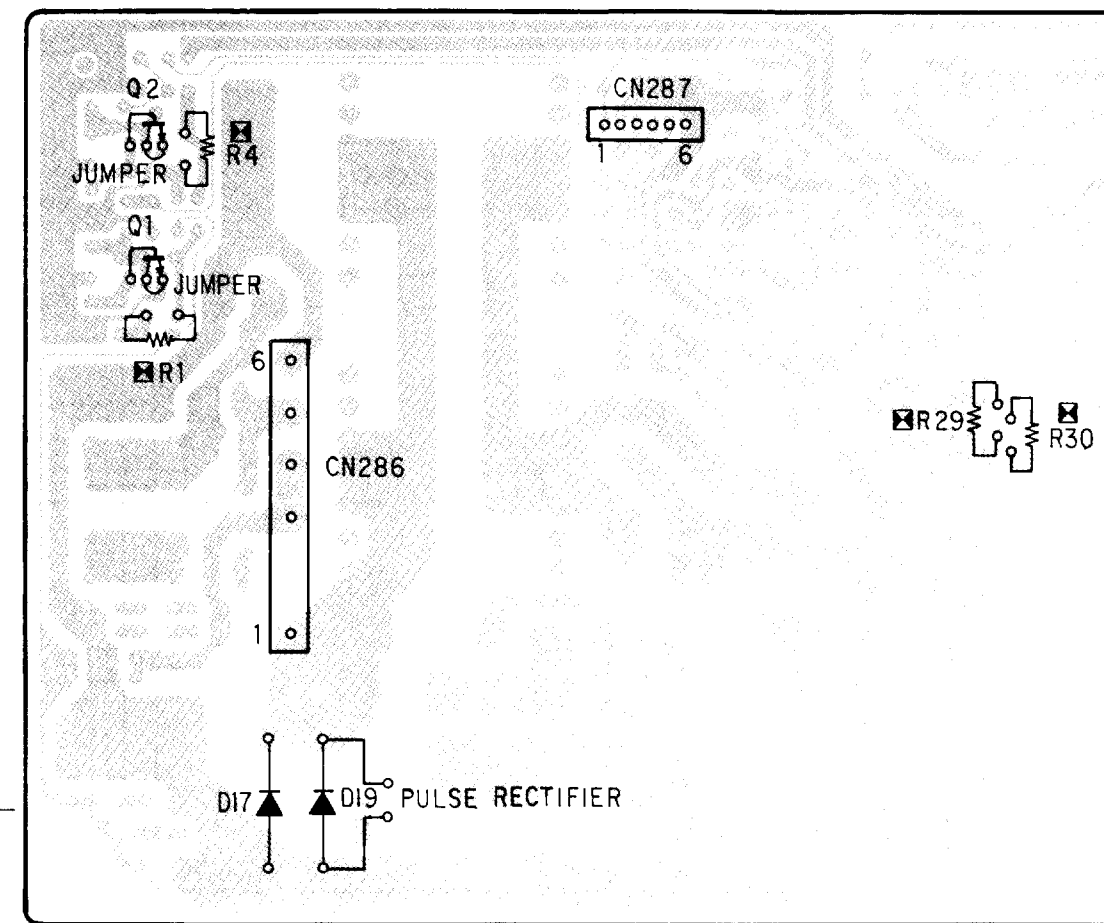
- Prepare jig circuit as shown in figure.
- Adjust until high voltage meter shows 13.9V.



1. Turn set power ON.
2. Contact jig circuit A point to PA board TP6 (12V line) for 0.5-1 sec, and remove immediately. Confirm power turns OFF when doing so.
3. If power does not turn OFF, adjust R29, R30.

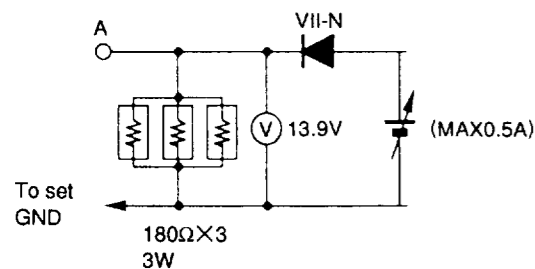
☒ R1,R4 : Beam Current Protector

1. Confirm set power is turned OFF.
2. Disconnect PA board connector CN286 and connect jig shown in figure.
3. Short circuit PA board Q1 emitter and collector.
4. Turn set power ON.
5. Input monoscope signal. send beam current by CONTR. BRT and G2VR, and confirm protector circuit operates at under 4700μA and raster is erased.
6. If protector circuit does not operate. adjust R4.
7. Remove jig short-circuiting Q1 emitter and collector.
8. Next, short-circuit Q2 emitter and collector.
9. Turn set power On.
10. Send beam current by CONTR, BRT and G2VR. and confirm protector operates at under 4700μA and raster is erased.
11. When protector does not operate, adjust R1.
12. Remove jig short-circuiting Q2 emitter and collector.



▶ R29,R30 : LOW B Protector

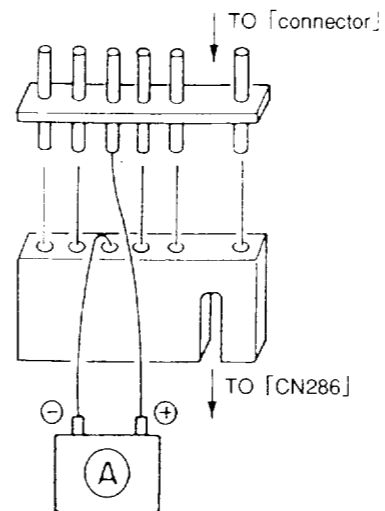
- Prepare jig circuit as shown in figure.
- Adjust until high voltage meter shows 13.9V.



1. Turn set power ON.
2. Contact jig circuit A point to PA board TP6 (12V line) for 0.5-1 sec, and remove immediately. Confirm power turns OFF when doing so.
3. If power does not turn OFF, adjust R29, R30.

▶ R1,R4 : Beam Current Protector

1. Confirm set power is turned OFF.
2. Disconnect PA board connector CN286 and connect jig shown in figure.
3. Short circuit PA board Q1 emitter and collector.
4. Turn set power ON.
5. Input monoscope signal, send beam current by CONTR, BRT and G2VR, and confirm protector operates at under 4700μA and raster is erased.
6. If protector circuit does not operate, adjust R4.
7. Remove jig short-circuiting Q1 emitter and collector.
8. Next, short-circuit Q2 emitter and collector.
9. Turn set power On.
10. Send beam current by CONTR, BRT and G2VR, and confirm protector operates at under 4700μA and raster is erased.
11. When protector does not operate, adjust R1.
12. Remove jig short-circuiting Q2 emitter and collector.



To check without Using High Voltage Meter

▶ R33,R34 : HV Hold-down

1. Use voltage dividing network shown in figure to calibrate detection until.

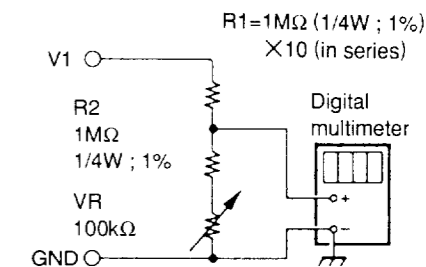
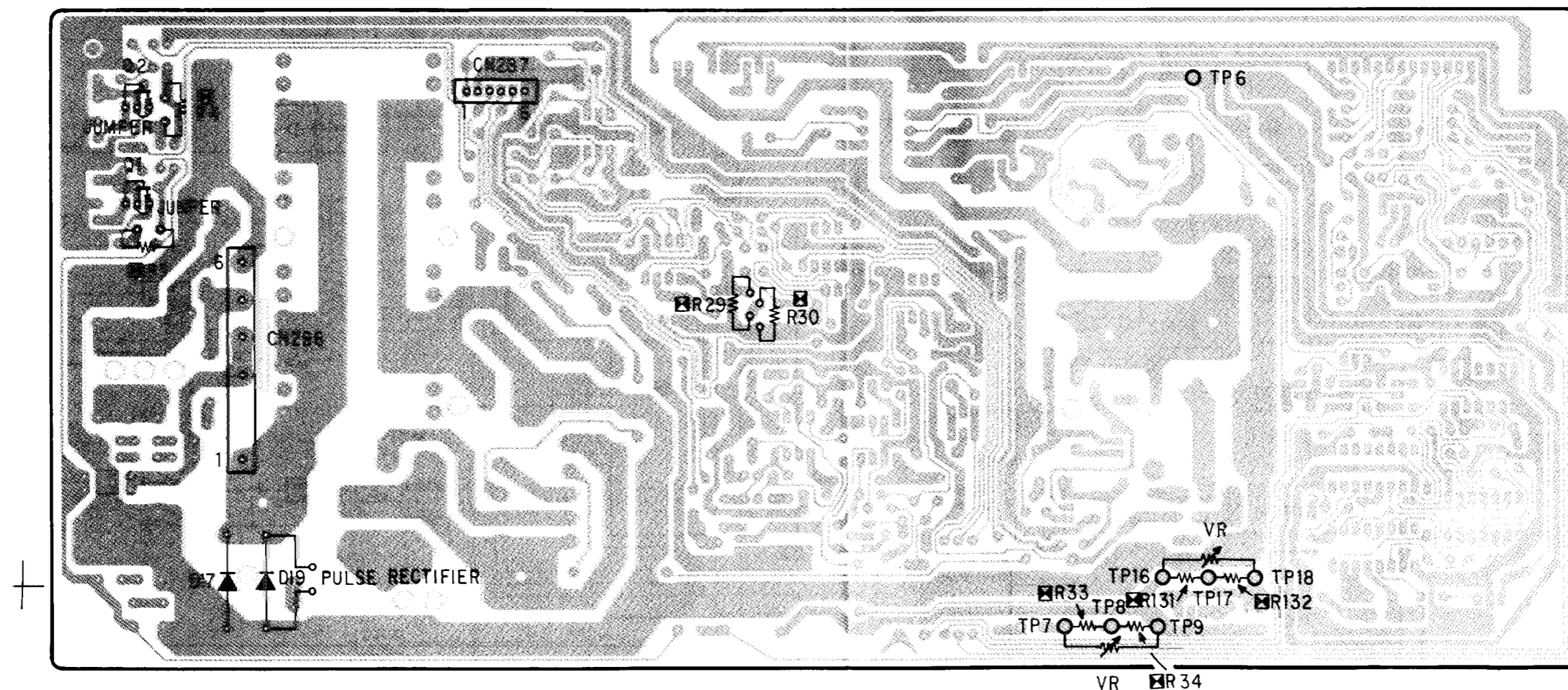


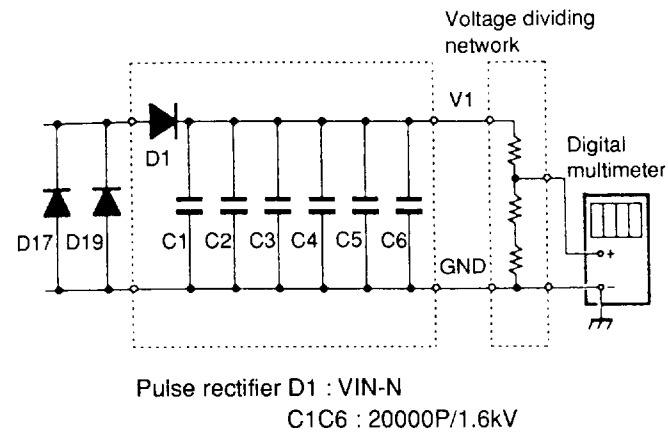
Fig. 1 : Voltage dividing network

2. Remove PA board connector (CN287) to hold down high voltage. Connect V1 to 100V line of set and read V1 voltage with digital multimeter. Next, adjust volume (VR) so that digital multimeter value is 1/10 of V1.
3. Connect pulse rectifier between Pa board D17 or D19 anode and cathode.



SECTION 2
DIAGRAMS

2-1. CIRCUIT BOARDS LOCATION



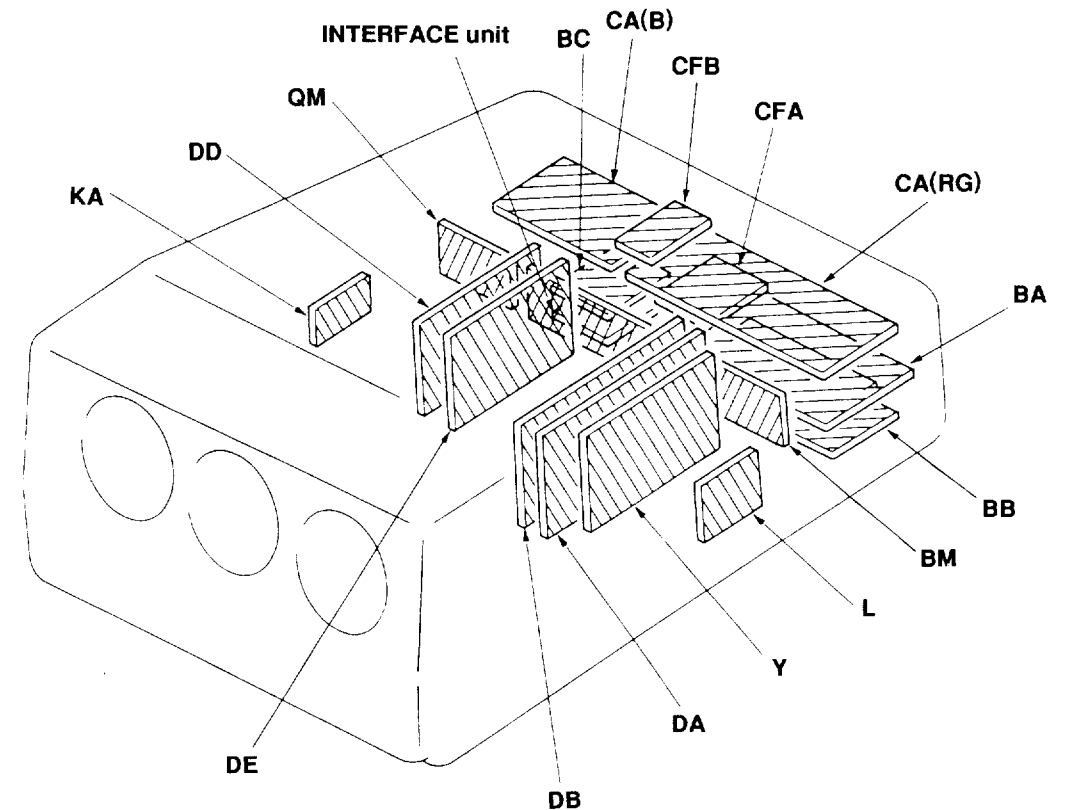
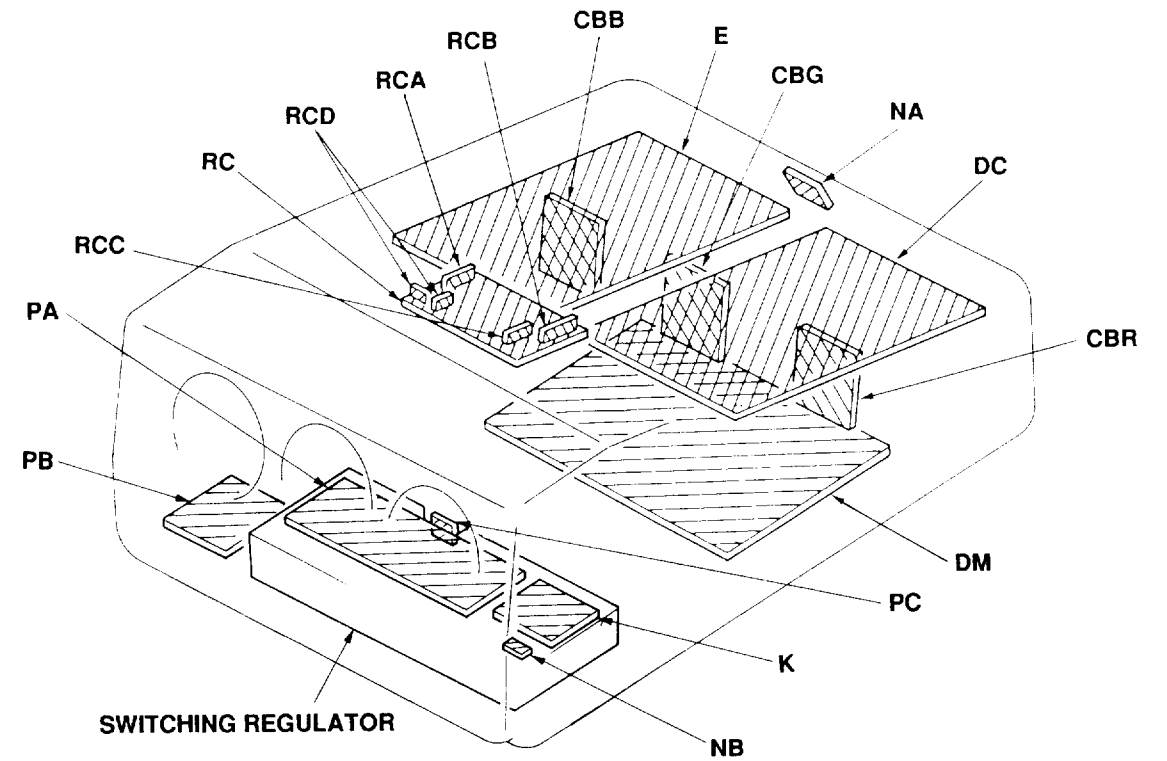
▶ R131,R132 : HV Regulation

1. Confirm set power is OFF.
2. Set variable resistor between PA board TP16-TP18 at 27KΩ.
3. Turn set power ON.
4. Press CUT-OFF key to cut -off R, G, B.
5. Turn variable resistor between TP16-TP18 and change resistance value. Confirm digital multimeter value is $83.5 \pm 0.5VDC$.
6. Turn set power OFF.
7. Remove TP16-TP18 variable resistor. Measure the volume resistance value and solder on the same resistance volume to R131, R132 (carbon 1/4W).
8. Turn set power ON.
9. Confirm digital multimeter value is $83.5 \pm 0.5VDC$.
10. Turn set power OFF and remove pulse rectifier.

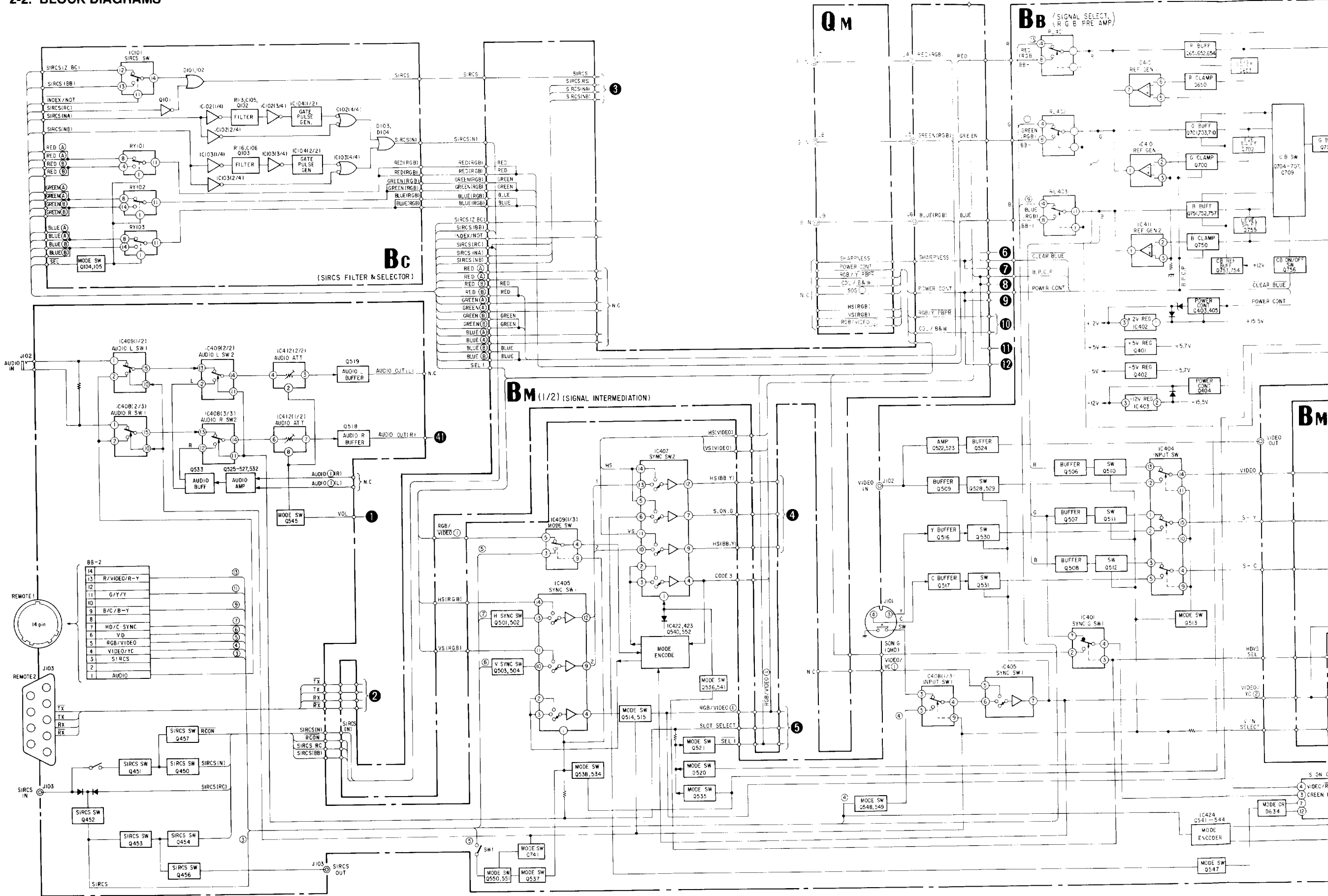
Confirmation when replacing Power Supply Block

Confirm that the voltage of +BMax, voltage is within the standard value when replacing Power Supply Block.

4. Confirm set power is turned OFF.
5. Confirm pulse rectifier and voltage dividing network are connected.
6. Remove resistance mounted between PA board TP7-TP9, connect volume and set at 47KΩ.
7. Remove resistance mounted between TP16-TP18, connect volume and set at 27KΩ.
8. Turn RV1 fully counter clockwise. Connect PA board connector (CN287).
9. Turn set power ON.
10. Input monoscope signal, and set CONTR and BRT at maximum.
11. Turn variable resistor between TP16-TP18 and adjust until digital multimeter value is $96.5 \pm 0.5VDC$.
12. Turn variable resistor between TP7-TP9, and confirm hold-down circuit operates and luster is erased when digital multimeter is $96.5 \pm 0.5VDC$.
13. Turn set power OFF.
14. Remove volume between TP7-TP9. Measure the volume resistance value and solder on the same resistance volume to R33, R34 (carbon 1/4W).
15. Slightly raise volume resistance between TP16-TP18.
16. Turn set power ON.
17. Turn volume between TP16-TP18 and confirm hold-down circuit operates and raster is erased when digital multimeter value is $96.5 \pm 0.5VDC$.
18. Next, adjust HV regulation.

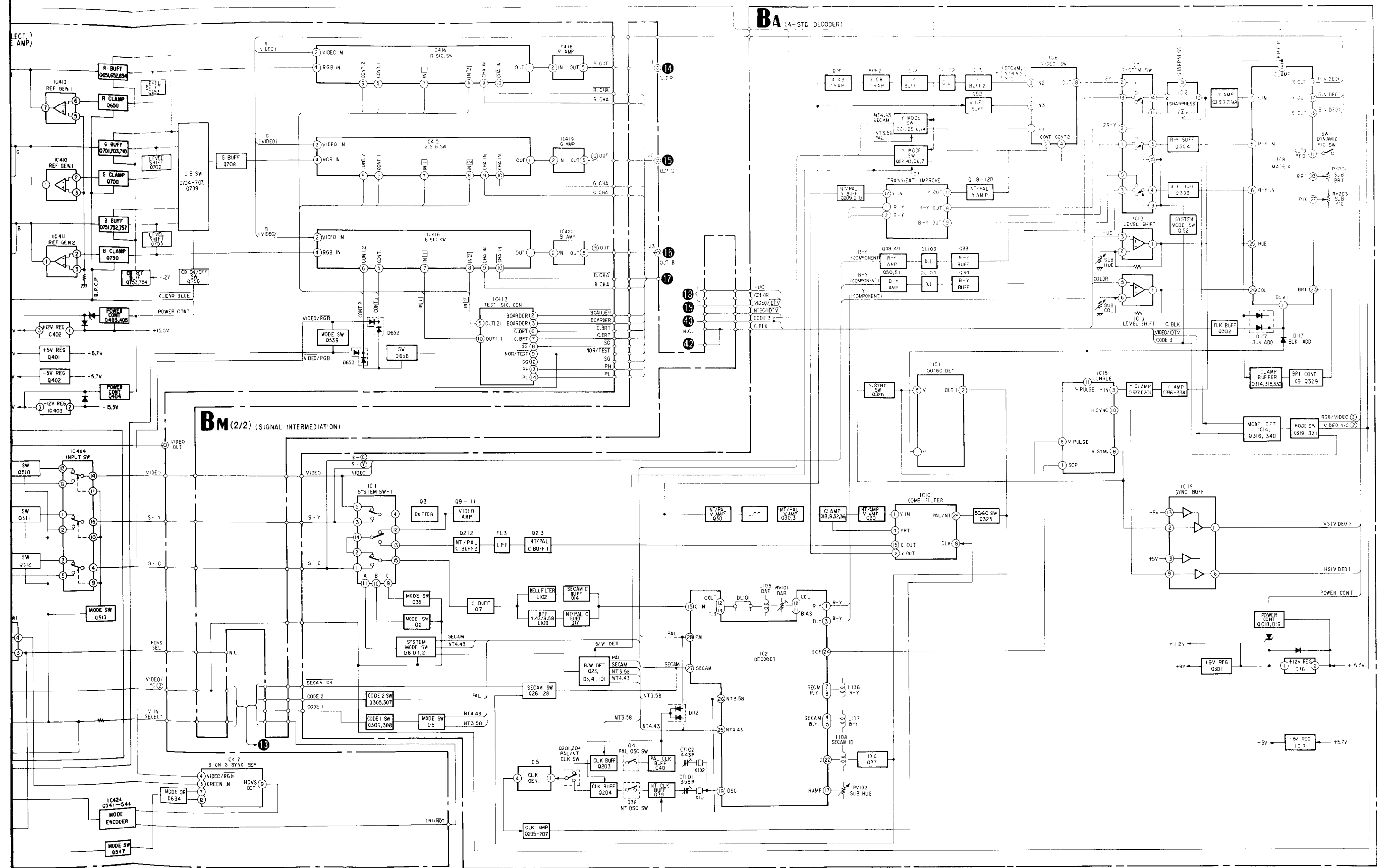


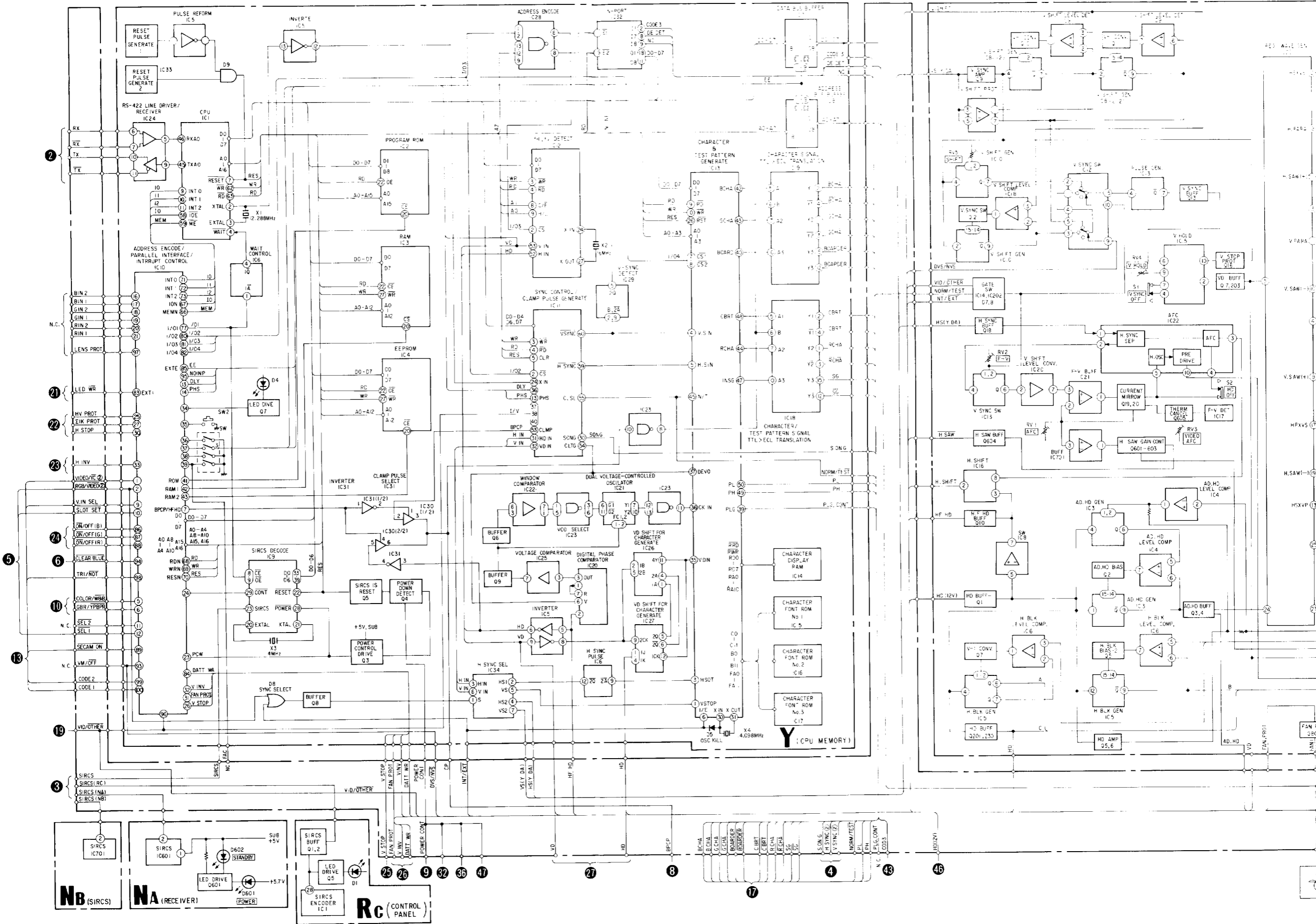
2-2. BLOCK DIAGRAMS

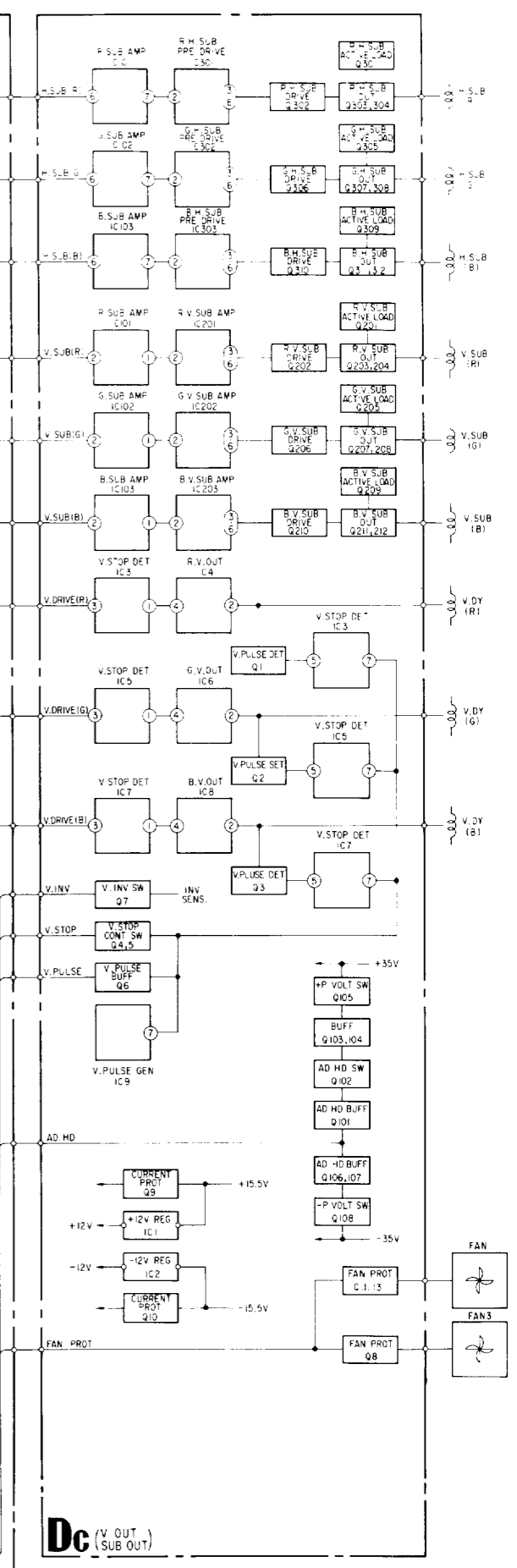
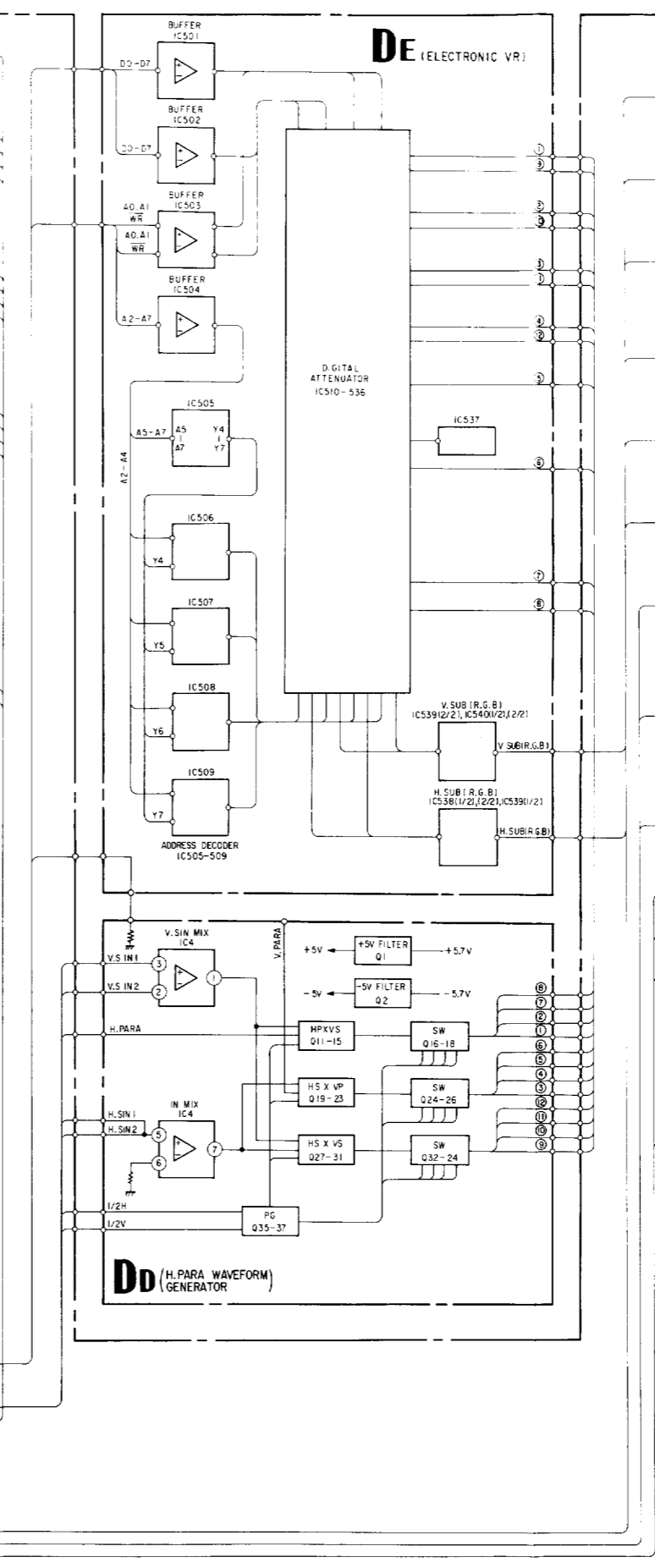
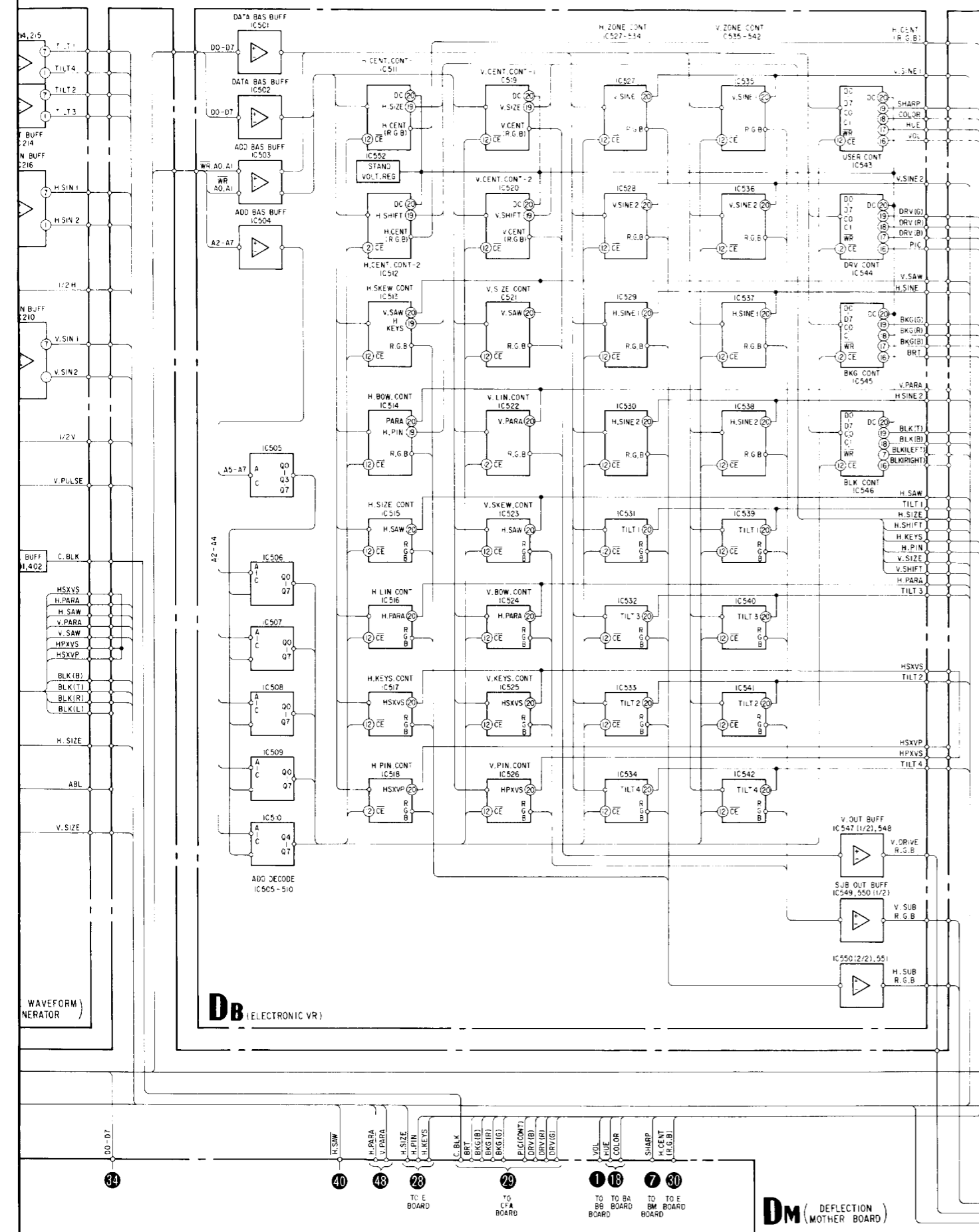


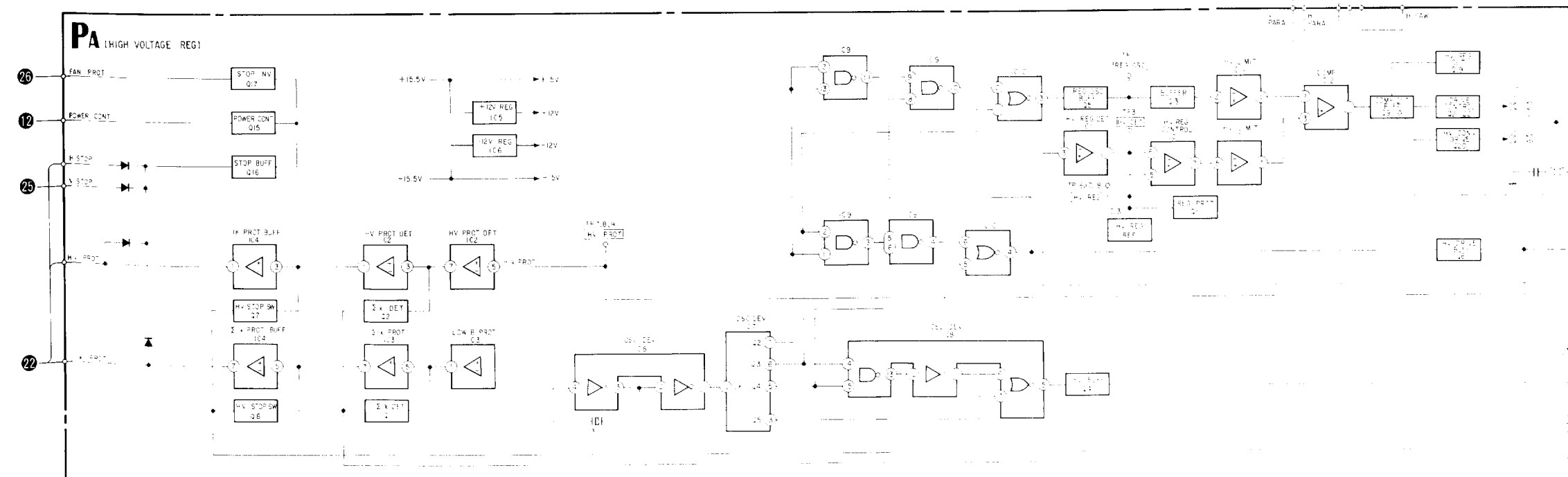
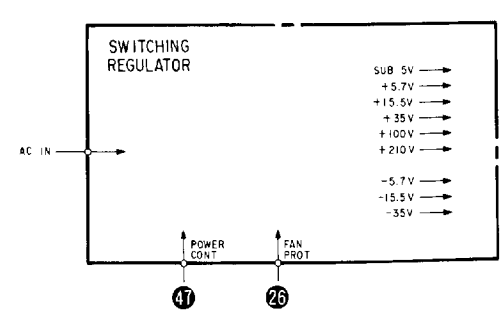
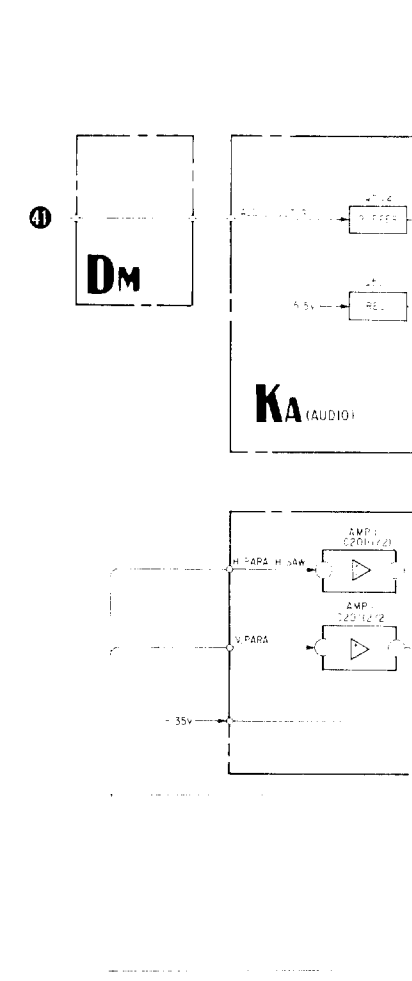
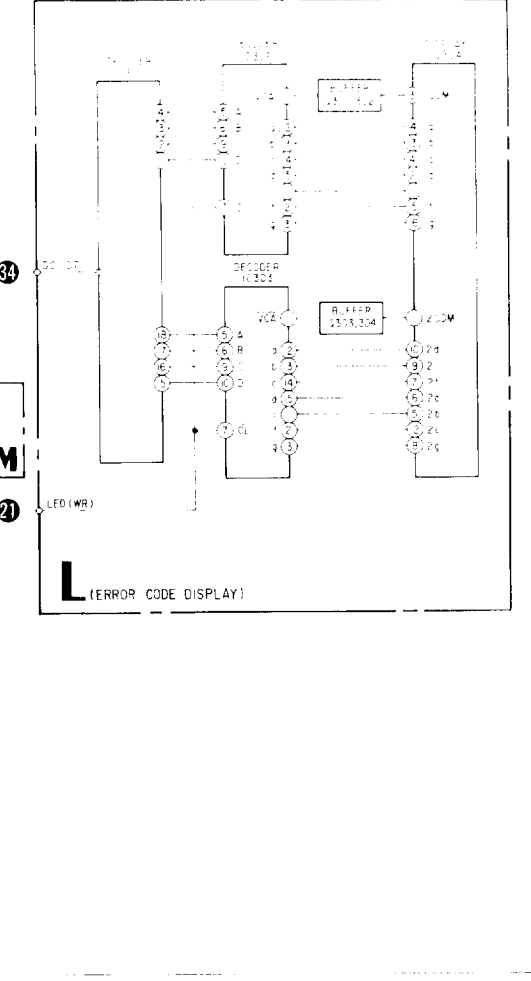
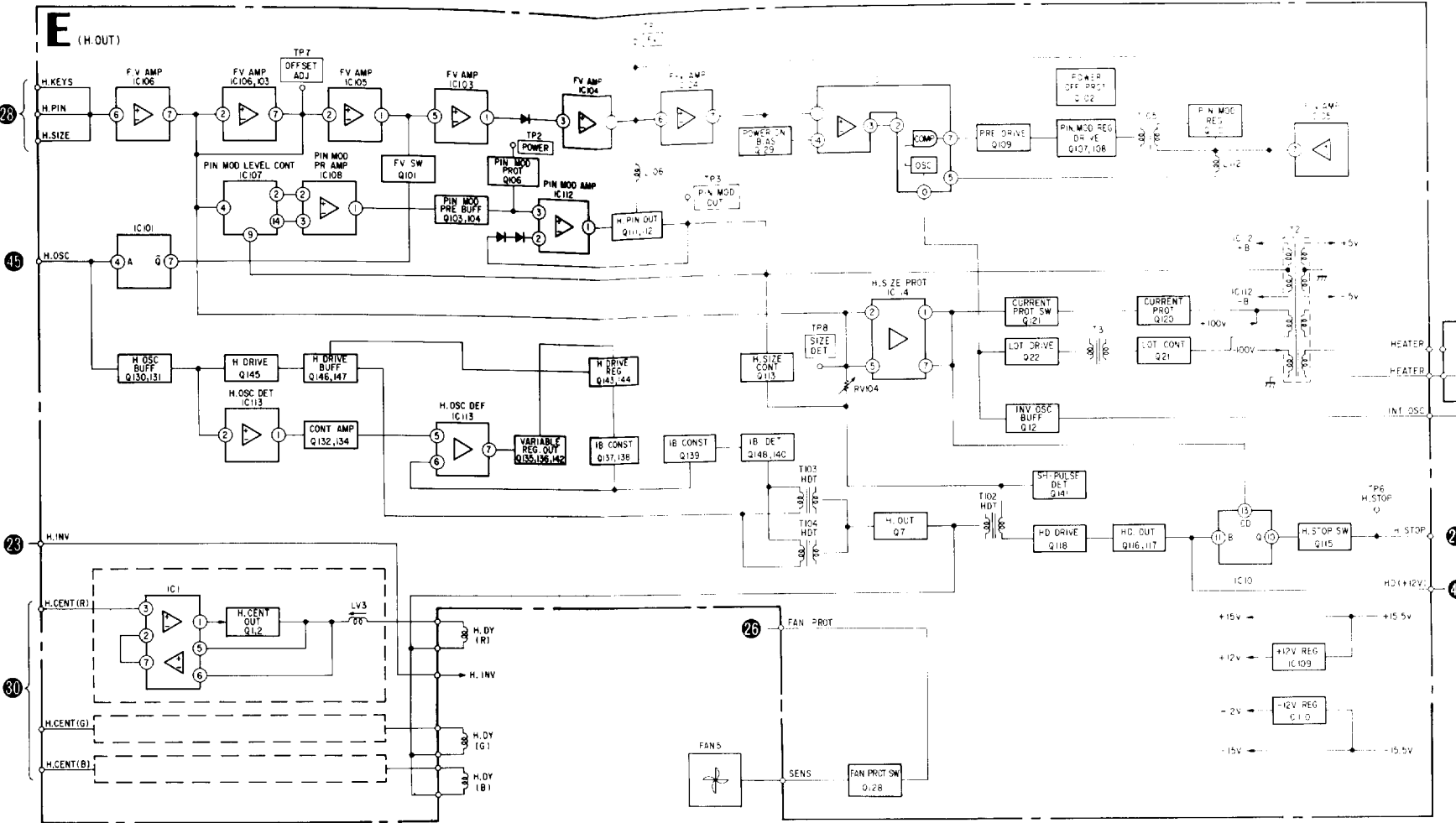
Ba (4-STD DECODER)

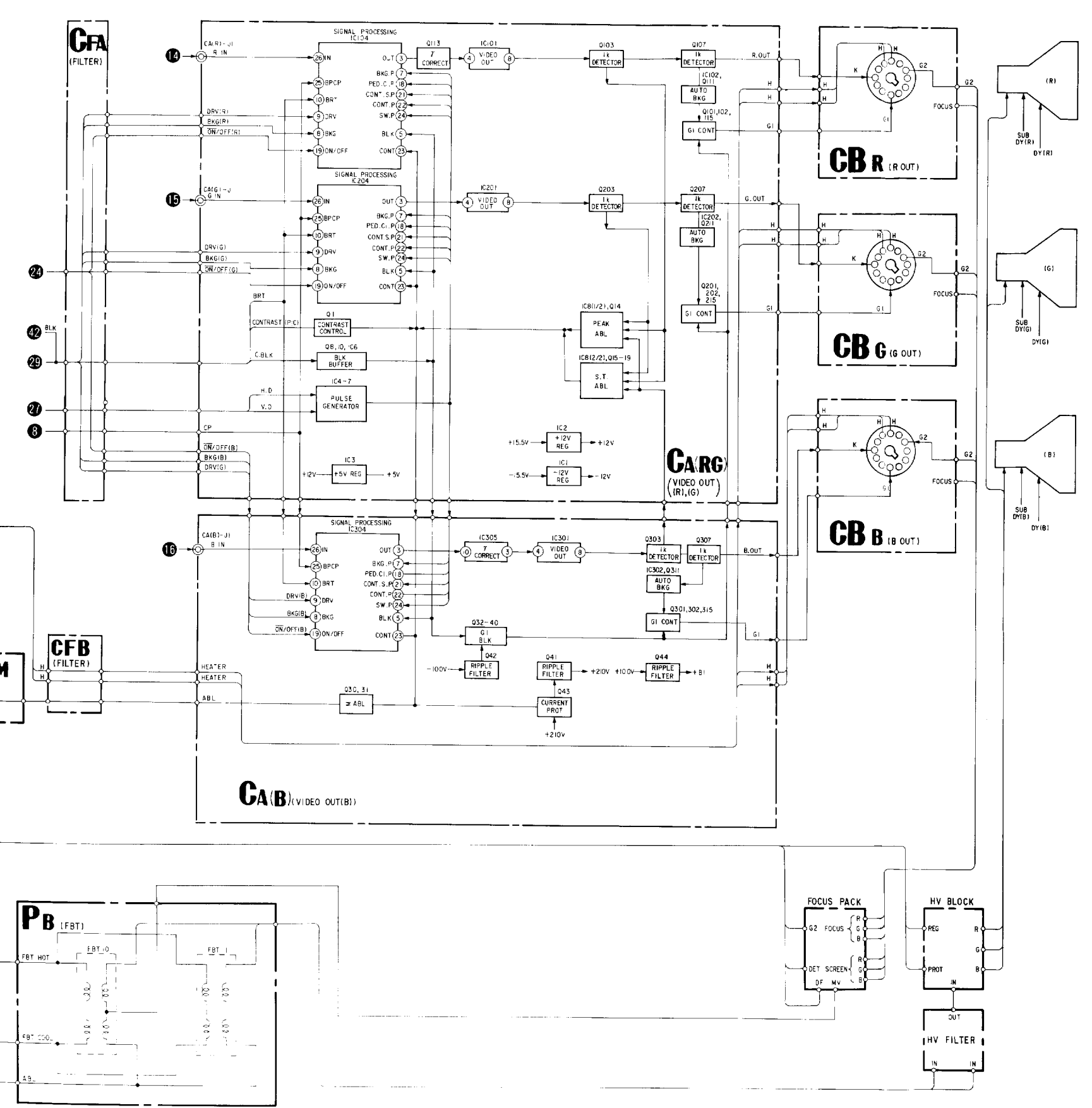
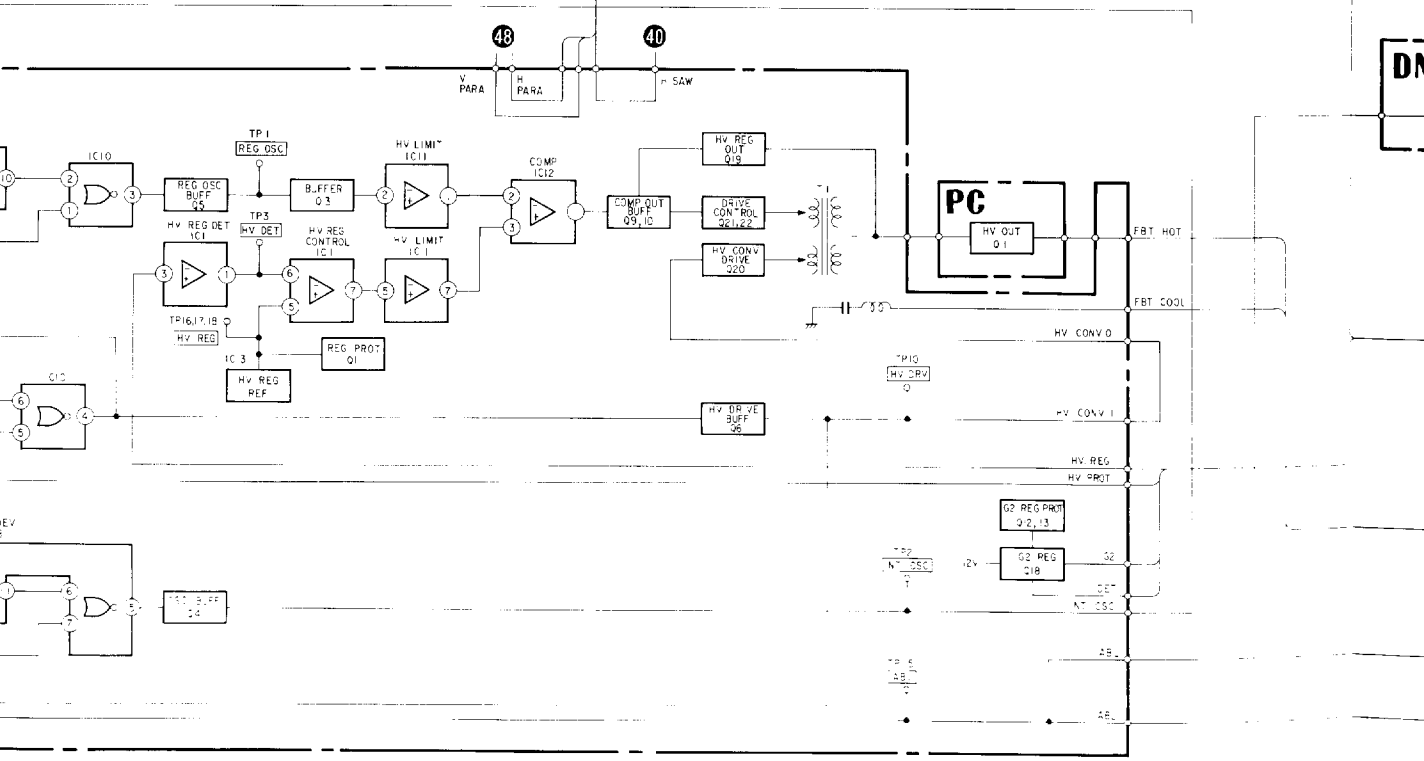
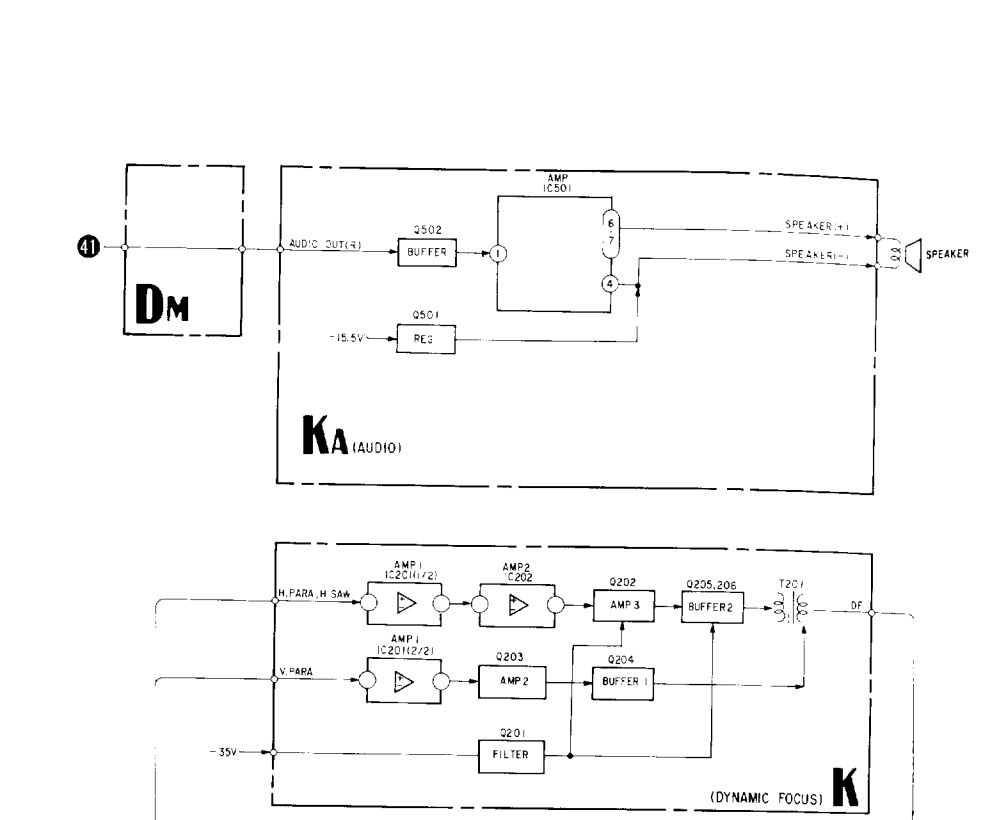
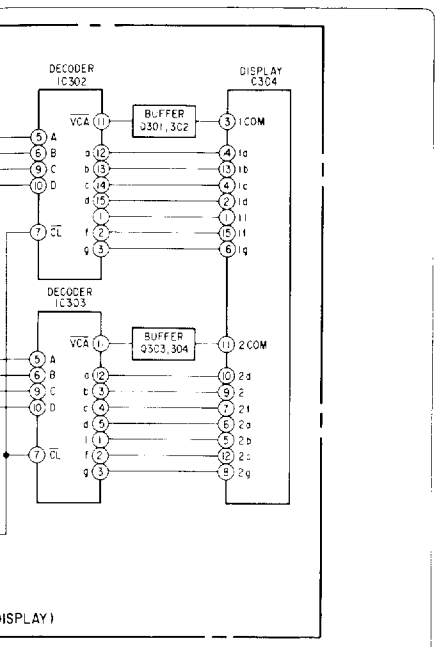
Bm(2/2) (SIGNAL INTERMEDIATION)



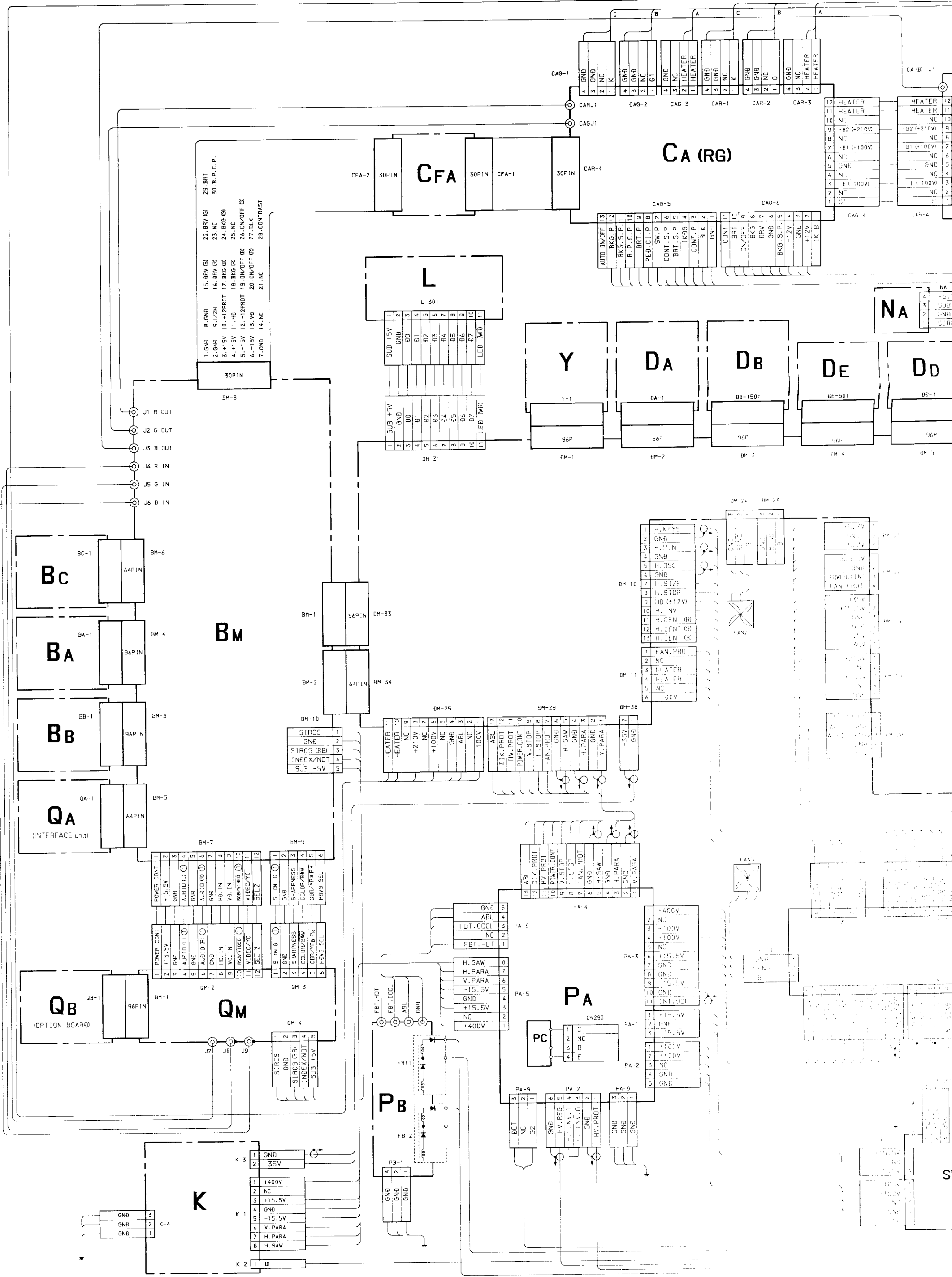


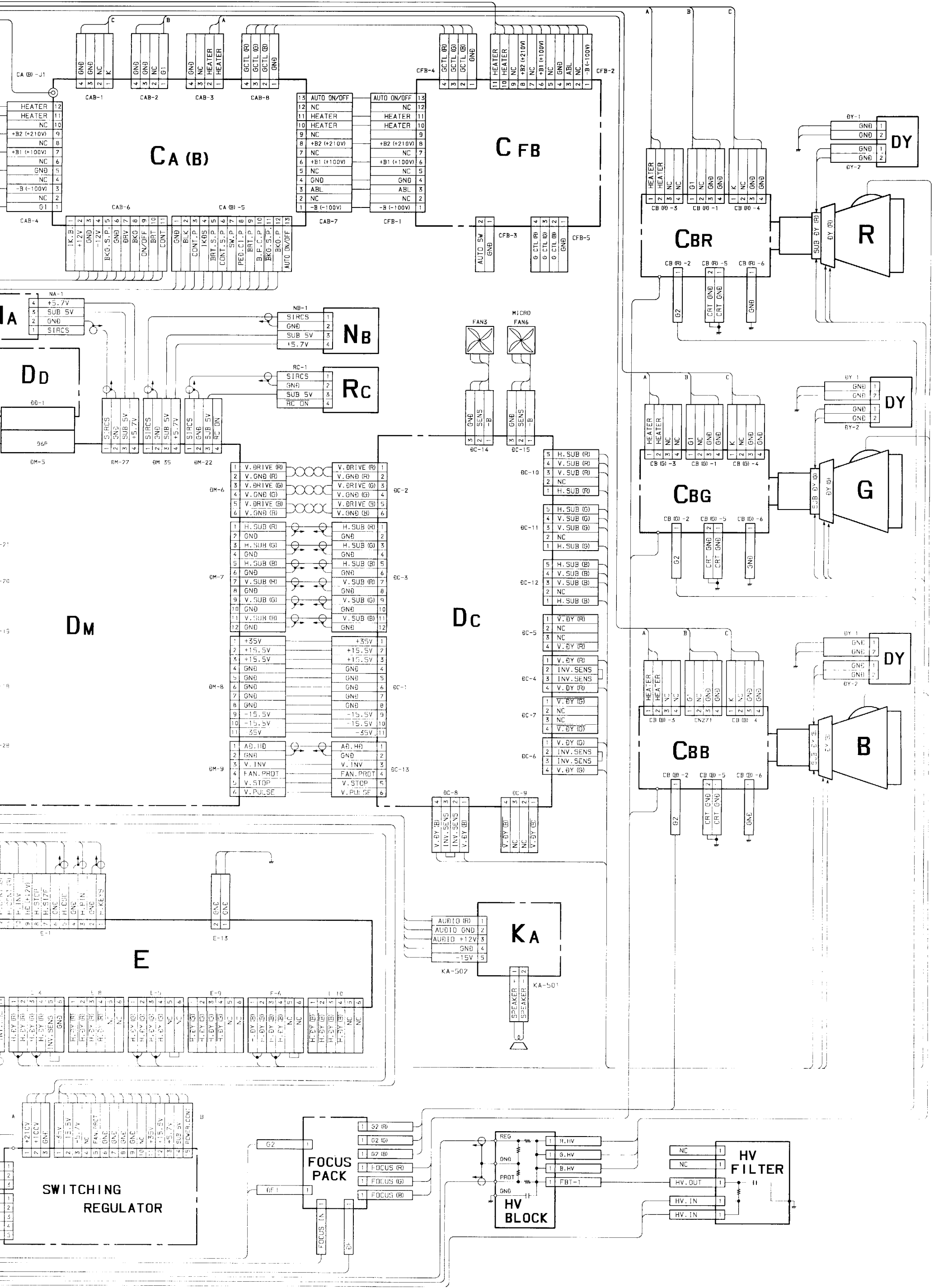






2-3. FRAME SCHEMATIC DIAGRAMS









2-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :



- All capacitors are in μF unless otherwise noted. pF : μF 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

-  : nonflammable resistor.
-  : fusible resistor.
- Δ : 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 diagrams 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, R131, R132, adjust on Page 6~9.)

Part replaced()	Adjustment()
IC2, Q7, D9, D12, C13, R20, R21, R22, R23, R24, R33, R34, R35, R36, R82, (PA BOARD) PA MOUNT HV BLOCK	Adjustment HV HOLD DOWN (R33,R34)
IC1, IC7, IC8, IC9, IC10, IC11, IC12, IC13, R38, R39, R63, R64, R65, R66, R69, R72, R78, R80, R131, R132, X1, (PA BOARD) PA MOUNT, PB MOUNT HV BLOCK	HV REGULATION (R131, R132)
C2, 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, R121, R122, (PA BOARD), R143, R144 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)

Voltage value is the reference value between it and 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)

Display 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).

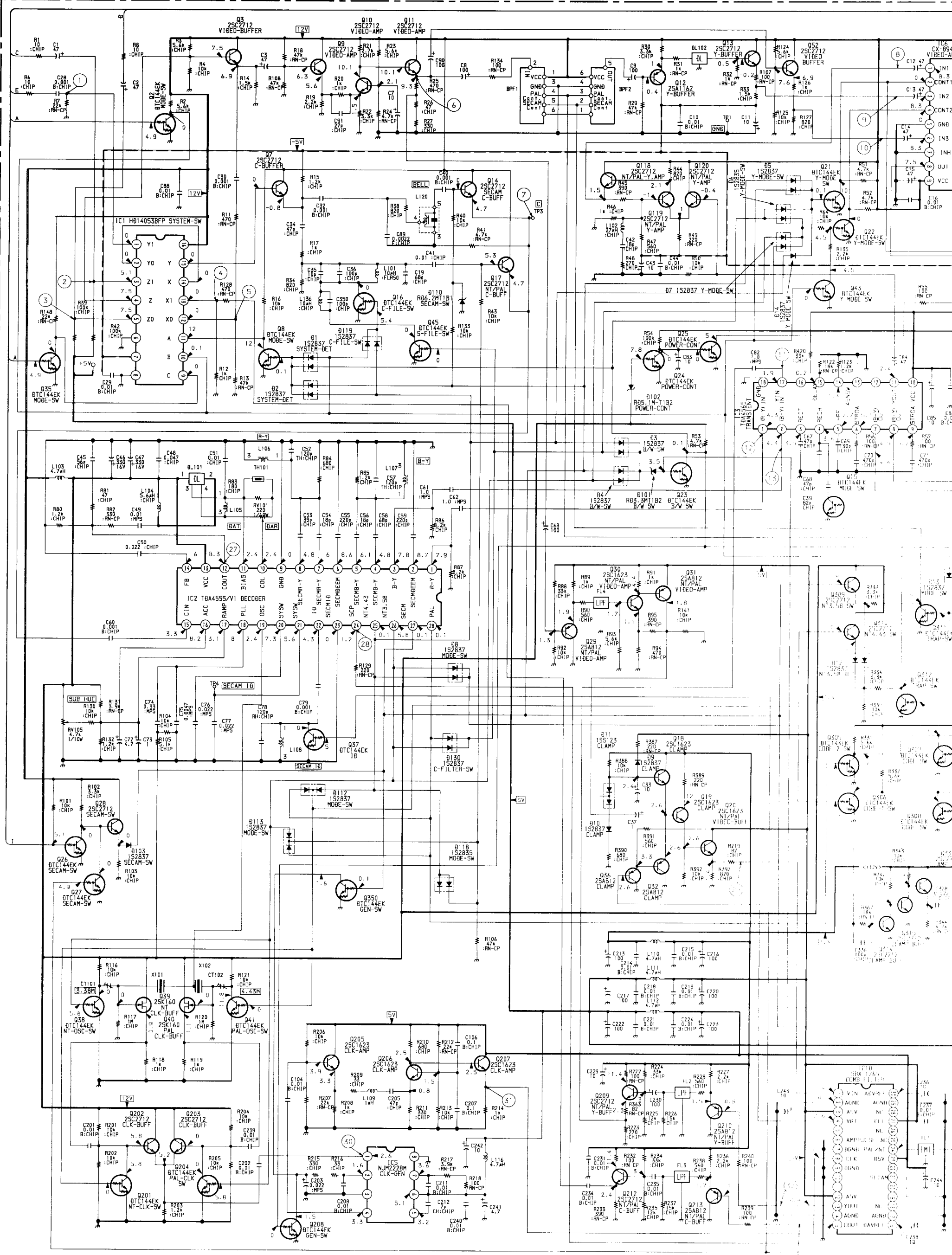
- Circled numbers are waveform references.

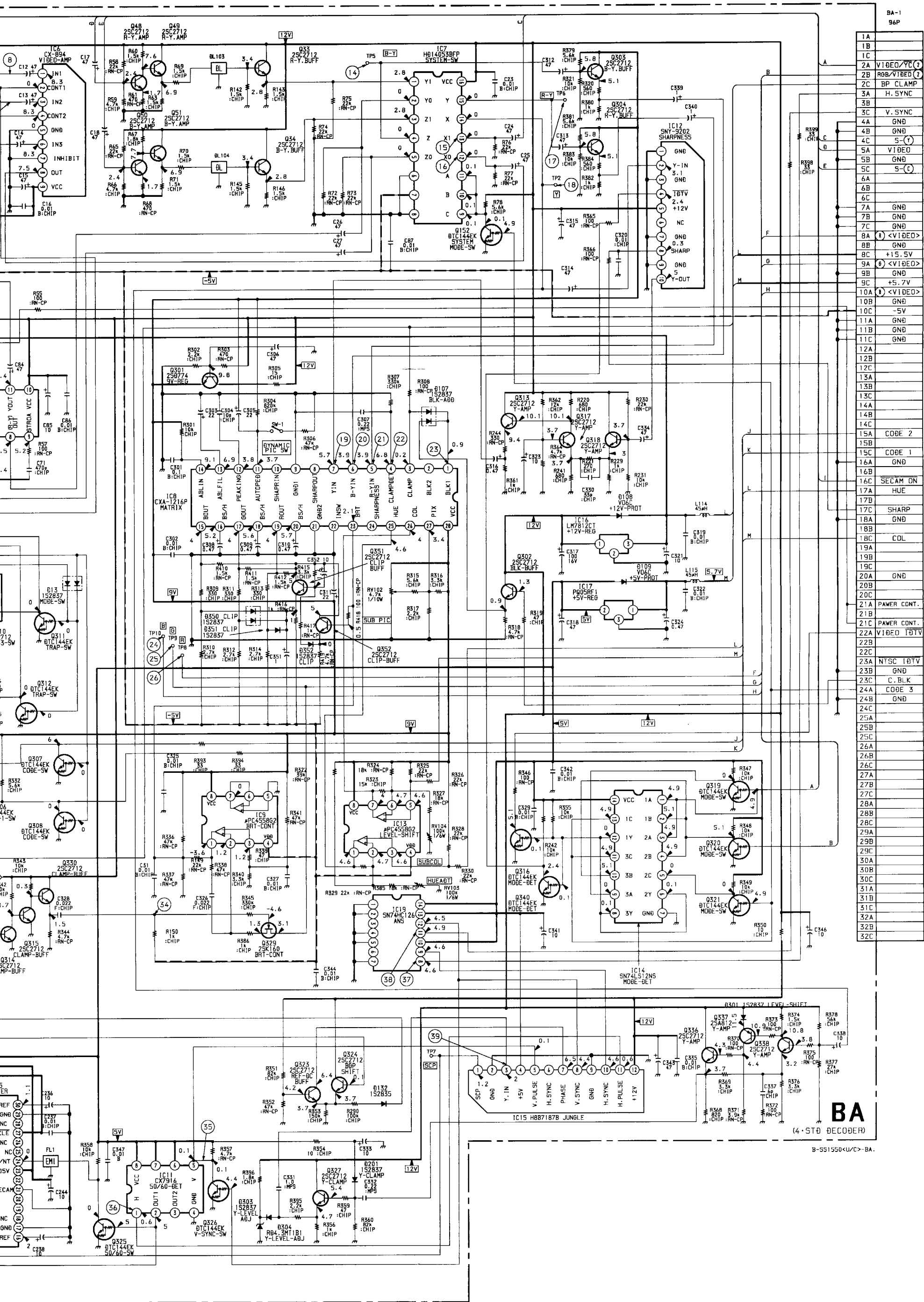
Reference information

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





BA-1 96P

1A	
1B	
1C	
2A	VIDEO/YC (?)
2B	ROB/VIDEO (?)
2C	BP CLAMP
3A	H. SYNC
3C	V. SYNC
4A	GND
4B	GND
4C	S-(Y)
5A	VIDEO
5B	GND
5C	S-(C)
6A	
6B	
6C	
7A	GND
7B	GND
7C	GND
8A	<VIDEO>
8B	GND
8C	+15.5V
9A	<VIDEO>
9B	GND
9C	+5.7V
10A	<VIDEO>
10B	GND
10C	-5V
11A	GND
11B	GND
11C	GND
12A	
12B	
12C	
13A	
13B	
13C	
14A	
14B	
14C	
15A	CODE 2
15B	
15C	CODE 1
16A	GND
16B	
16C	SECAM ON
17A	HUE
17B	
17C	SHARP
18A	GND
18B	
18C	COL
19A	
19B	
19C	
20A	GND
20B	
20C	
21A	POWER CONT.
21B	
21C	POWER CONT.
22A	VIDEO TBTV
22B	
22C	
23A	NTSC TBTV
23B	GND
23C	C. BLK
24A	CODE 3
24B	GND
24C	
25A	
25B	
25C	
26A	
26B	
26C	
27A	
27B	
27C	
28A	
28B	
28C	
29A	
29B	
29C	
30A	
30B	
30C	
31A	
31B	
31C	
32A	
32B	
32C	

TO BM BOARD
BM-4

BA
(4-STD DECODER)
B-S51550<U/C>-BA.

BA BOARD

REF. No.	Pin NTSC 3.58	PAL	SECAM	NTSC 4.43
IC1	②	0	-0.7	-0.7
	⑪	12	0	0
	⑫	0	-0.7	-0.7
IC2	⑬	0	-0.7	-0.7
	⑭	0	-0.7	-0.7
	⑮	0	-0.7	-0.7
	⑯	6.1	5.8	4.2
	⑰	6	5.5	4.2
	⑱	2.4	2.4	5.6
	⑲	7.5	5.7	5.7
IC6	⑳	5.6	7.7	6.8
	㉑	0.1	0.1	0.1
	㉒	5.8	0.1	0.1
	㉓	0.1	0.1	5.8
	㉔	0.1	5.8	0.1
IC10	④	0	10	10
IC11	②	5	0	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	Q203	B	0	5.8	5.8
	C	-	-	-	-		C	-	-	-
Q8	E	-0.8	-0.8	-1.4	-1.4	E	5.2	5.1	5.2	
	B	0.1	0.1	5.3	5.3	B	5.8	0	0	
Q16	C	12	12	0	0	C	0	5.8	5.8	
	E	-	-	-	-	E	-	-	-	
Q17	B	5.4	0	0	5.4	B	0	0	0	
	C	0	0	0	0	C	1.5	1.4	0	
Q21	E	-	-	-	-	E	-	-	-	
	B	0.1	0.1	5.3	5.3	B	5.3	0.1	0.1	
Q22	C	0	0	0	0	C	0	6	6	
	B	4.5	4.5	0.5	0.5	B	0	0	0	
Q27	E	-	-	-	-	E	-	-	-	
	B	4.9	0	0	4.9	B	0	0	0	
Q37	C	0	0	0	0	C	0	6	6	
	E	-	-	-	-	E	-	-	-	
Q38	B	5	0	0	5	B	0	0	0	
	C	0	0	0	0	C	0	0	0	
Q41	E	-	-	-	-	E	-	-	-	
	B	0	5.9	0	5.1	B	0	0.5	0.2	
Q43	C	11.8	0	11.8	0	C	0	0	3.8	
	B	0	0	0	0	B	0	0.5	0.2	
Q45	E	-	-	-	-	E	-	-	-	
	B	0	5.4	0	0	B	5	0	0	
Q201	C	0	0	0	0	C	0	3.6	3.6	
	B	0	5.2	0	5.2	B	0.1	0	5.9	
Q202	E	-	-	-	-	E	-	-	-	
	C	5.8	0	5.8	0	C	1.6	1.5	0	

BA BOARD

①	S-VIDEO 0.4Vp-p (H)	⑤	SECAM 0.7Vp-p (H)	⑫	NTSC 3.58 0.9Vp-p (H)	⑲	NTSC 3.58 0.8Vp-p (H)	⑳	NTSC 3.58 1.2Vp-p (H)	㉓	NTSC 3.58 1.2Vp-p (H)	㉔	NTSC 3.58 0.7Vp-p (H)	㉕	NTSC 3.58 0.7Vp-p (H)
②	S-VIDEO 0.8Vp-p (H)	⑥	NTSC 3.58 1.4Vp-p (H)	⑬	NTSC 3.58 0.9Vp-p (H)	㉑	NTSC 3.58 0.48Vp-p (H)	㉖	NTSC 3.58 1.2Vp-p (H)	㉗	NTSC 3.58 1.2Vp-p (H)	㉘	NTSC 3.58 1.2Vp-p (H)	㉙	NTSC 3.58 0.4Vp-p (H)
③	NTSC 3.58 0.9Vp-p (H)	⑦	NTSC 3.58 0.13Vp-p (H)	⑭	NTSC 3.58 1Vp-p (H)	㉘	NTSC 3.58 0.4Vp-p (H)	㉚	NTSC 3.58 1Vp-p (H)	㉛	NTSC 3.58 1Vp-p (H)	㉜	NTSC 3.58 1.8Vp-p (H)	㉝	NTSC 3.58 8Vp-p (H)
③	NTSC 4.43 0.9Vp-p (H)	⑧	NTSC 3.58 0.44Vp-p (H)	⑮	S-VIDEO 0.8Vp-p (H)	㉛	NTSC 3.58 0.48Vp-p (H)	㉜	NTSC 3.58 0.4Vp-p (H)	㉞	NTSC 3.58 1.8Vp-p (H)	㉟	NTSC 3.58 1.8Vp-p (H)	㊱	NTSC 3.58 8Vp-p (H)
③	PAL 0.9Vp-p (H)	⑨	PAL 0.6Vp-p (H)	⑯	NTSC 3.58 0.7Vp-p (H)	㉟	NTSC 3.58 4Vp-p (H)	㊱	NTSC 3.58 0.64Vp-p (H)	㊲	NTSC 3.58 1.8Vp-p (H)	㊳	NTSC 3.58 1.8Vp-p (H)	㊴	NTSC 3.58 4Vp-p (H)
④	SECAM 0.7Vp-p (H)	⑩	SECAM 0.64Vp-p (H)	⑰	PAL 0.6Vp-p (H)	㊲	NTSC 3.58 3.6Vp-p (H)	㊴	PAL 1.2Vp-p (H)	㊵	PAL 1.4Vp-p (H)	㊶	PAL 1.772MHz	㊷	NTSC 3.58 4.4Vp-p (H)
④	PAL 0.2Vp-p (H)	⑪	B/W 0.6Vp-p (H)	⑱	SECAM 0.7Vp-p (H)	㊵	NTSC 3.58 1Vp-p (H)	㊷	NTSC 3.58 1.3Vp-p (H)	㊸	NTSC 3.58 1.3Vp-p (H)	㊹	NTSC 3.58 4.4Vp-p (H)	㊺	NTSC 3.58 0.7Vp-p (H)
⑤	NTSC 4.43 0.9Vp-p (H)	⑰	NTSC 4.43 0.8Vp-p (H)	㉑	NTSC 3.58 0.75Vp-p (H)	㊸	NTSC 3.58 0.9Vp-p (H)	㊹	NTSC 3.58 0.9Vp-p (H)	㊻	NTSC 3.58 1.2Vp-p (H)	㊼	NTSC 3.58 1.2Vp-p (H)	㊽	NTSC 3.58 0.7Vp-p (H)
		⑲	NTSC 3.58 0.56Vp-p (H)	㉒	NTSC 3.58 0.75Vp-p (H)	㊹	NTSC 3.58 0.9Vp-p (H)	㊻	NTSC 3.58 0.9Vp-p (H)	㊽	NTSC 3.58 1.2Vp-p (H)	㊿	NTSC 3.58 1.2Vp-p (H)		

BA
14-STD DECODER I

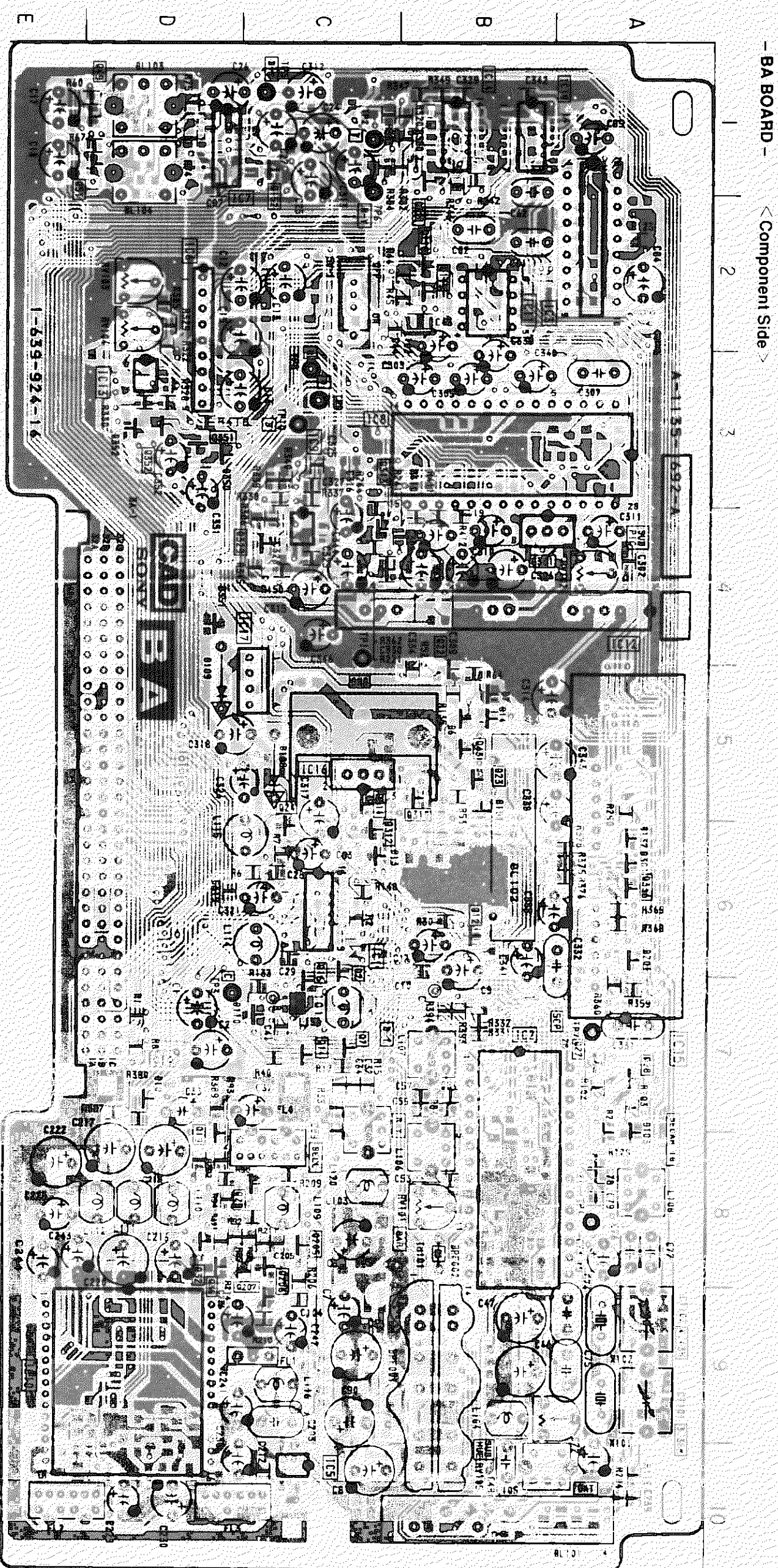
VPH-1272QM/Q RM-1271
VPH-1272QM/Q RM-1271

BA BOARD
(COMPONENT SIDE)

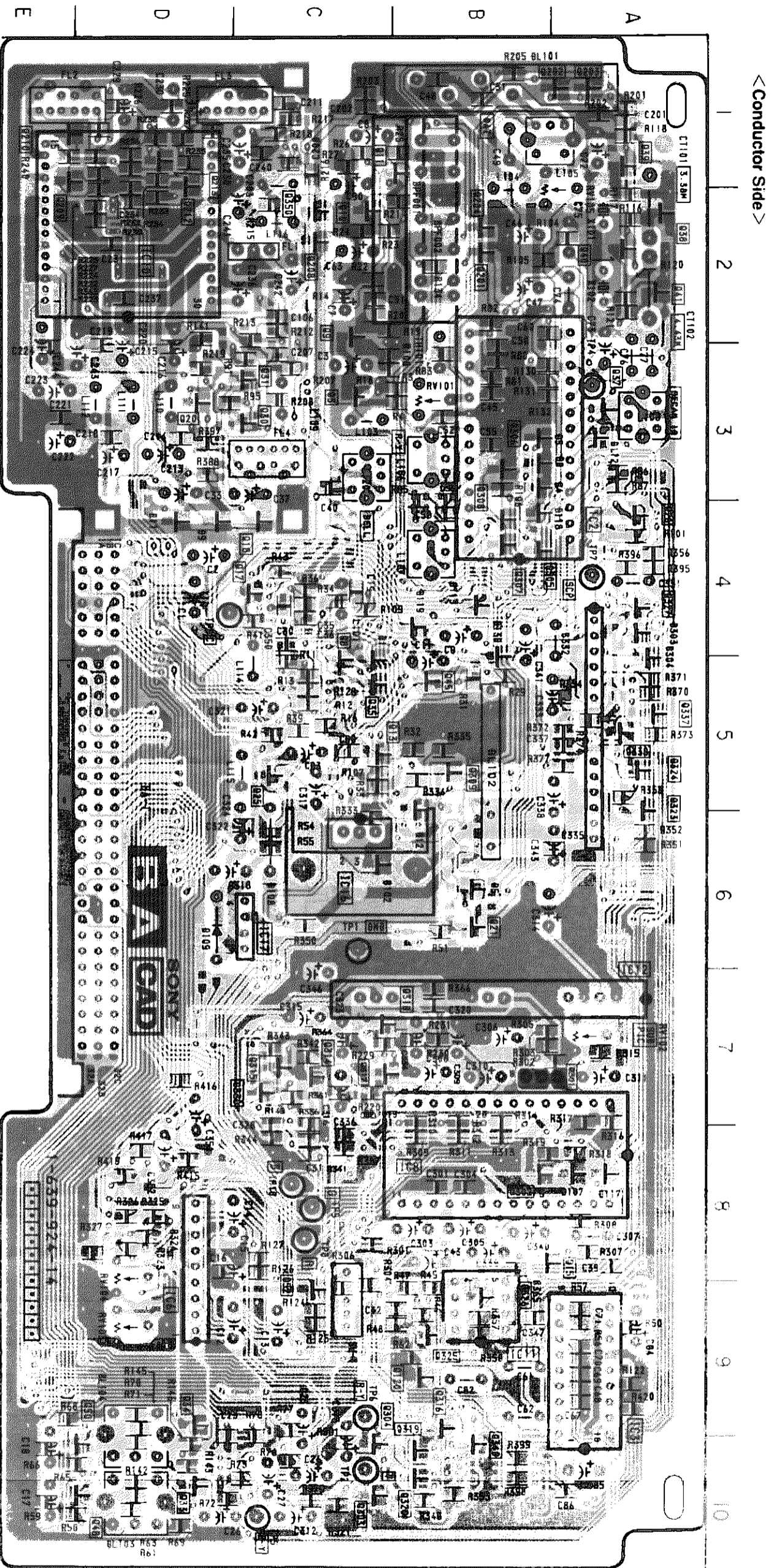
IC	Q206 Q207 Q301 Q310 Q311 Q312 Q313 Q321 Q329 Q336 Q351 Q352	C-8 C-4 B-4 B-5 C-5 C-6 C-3 B-2 C-4 A-6 D-3
IC1	C-6	C-8
IC2	B-7	C-8
IC3	A-2	B-4
IC5	C-10	B-5
IC6	D-2	C-5
IC7	D-1	C-6
IC8	B-3	C-3
IC9	C-4	B-2
IC10	D-9	C-4
IC11	B-2	A-6
IC12	A-4	D-3
IC13	D-3	D-3
IC14	B-1	A-8
IC15	A-7	A-8
IC16	C-5	B-5
IC17	C-5	B-5
IC19	B-1	C-6

TRANSISTOR	D2 D6 D7 D10 D13 D14 D101 D103 D108 D109 D110 D132 D201 D301 D350 D351 D352	A-8 B-5 B-5 D-7 C-6 B-5 B-5 A-8 C-5 D-5 C-7 A-6 A-6 A-6 D-3 D-4 D-3
Q2	C-6	A-8
Q7	C-7	B-5
Q12	B-6	B-5
Q14	C-7	B-5
Q16	C-7	D-7
Q19	D-8	C-6
Q22	B-5	B-5
Q23	B-5	B-5
Q24	C-6	C-6
Q27	A-7	A-8
Q28	A-7	A-8
Q29	C-8	C-5
Q32	D-8	D-5
Q36	D-8	D-5
Q43	B-5	C-7
Q49	D-1	C-7
Q51	D-1	A-6
Q118	B-2	A-6
Q119	B-2	A-6
Q152	C-1	D-3
Q205	C-8	D-3

VARIABLE RESISTOR	CT101 CT102 RV101 RV102 RV103 RV104 RV105	A-9 A-9 B-8 A-4 D-2 B-10



BA BOARD - Component Side



< Conductor Side >

1 2 3 4 5 6 7 8 9 10

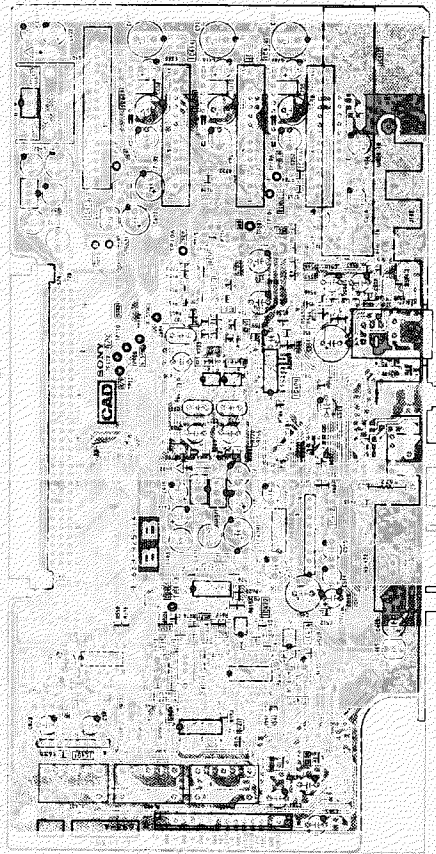
• : Pattern from the side which enables seeing.
 • : Pattern of the rear side.

BA BOARD
(CONDUCTOR SIDE)

IC	IC	IC
IC2	B-3	Q304 C-10
IC3	A-9	Q305 B-4
IC6	D-9	Q306 B-3
IC8	B-8	Q307 B-4
IC10	D-2	Q308 B-4
IC11	B-9	Q309 B-5
IC12	B-7	Q314 C-7
IC15	A-5	Q315 C-7
IC16	C-6	Q316 B-9
IC17	C-6	Q317 C-7
		Q318 C-7
		Q319 B-10
		Q320 B-10
		Q321 A-5
		Q322 A-5
		Q323 A-5
		Q324 B-9
		Q325 B-9
		Q326 B-9
		Q327 A-4
		Q330 C-2
		Q337 A-5
		Q338 A-5
		Q340 B-10
		Q350 C-2
TRANSISTOR		
Q3	C-3	Q326 B-9
Q8	C-4	Q327 A-4
Q9	C-2	Q330 C-2
Q10	C-2	Q337 A-5
Q11	B-1	Q338 A-5
Q13	C-5	Q340 B-10
Q15	B-8	Q350 C-2
Q17	C-4	
Q18	C-4	
Q20	D-3	
Q21	B-6	
Q22	C-5	
Q25	A-4	
Q26	C-3	
Q30	C-3	
Q31	C-3	
Q33	D-10	
Q34	D-9	
Q35	C-5	
Q37	A-3	
Q38	A-2	
Q39	A-1	
Q40	A-2	
Q41	A-2	
Q45	B-5	
Q48	D-10	
Q50	D-10	
Q52	C-9	
Q120	B-9	
Q201	B-2	
Q202	A-1	
Q203	A-1	
Q204	B-2	
Q208	C-2	
Q209	E-1	
Q210	E-1	
Q212	D-2	
Q213	D-1	
Q301	B-7	
Q302	B-8	
Q303	C-10	
DIODE		
D1	C-5	D101 C-6
D3	B-3	D102 A-8
D4	B-6	D107 A-8
D5	B-3	D108 C-6
D8	B-3	D109 D-6
D9	B-3	D112 A-3
D11	D-4	D113 B-4
D12	B-5	D118 B-4
D19	D-4	D119 B-4
D30	B-4	D130 B-4
D303	A-4	D303 B-4
D304	A-5	D304 A-5
VARIABLE RESISTOR		
CT101	A-1	RV101 A-1
CT102	A-2	RV102 A-2
RV101	B-3	RV101 B-3
RV102	A-7	RV102 A-7
RV103	D-9	RV103 D-9
RV104	D-9	RV104 D-9
RV105	B-2	RV105 B-2

BB

BB BOARD



BB BOARD (COMPONENT SIDE)

IC	
IC401	A2
IC402	A5
IC403	C5
IC404	D2
IC405	D2
IC407	B3
IC408	D4
IC409	C6
IC410	C6
IC411	C6
IC412	D4
IC413	B9
IC414	B9
IC415	C9
IC416	D8
IC417	C9
IC418	C9
IC419	C9
IC420	D9
IC622	C3
IC623	C3
IC624	D4

TRANSISTOR

Q401	A3
Q402	C4
Q502	D2
Q503	D2
Q517	F6
Q520	C3
Q521	C7
Q522	F7
Q523	F7
Q534	B3
Q535	B3
Q536	B3
Q541	D5
Q542	D8
Q543	D7
Q544	D5
Q545	D5
Q546	A2
Q552	C4
Q553	C4
Q702	C7
Q703	C7
Q704	C7
Q705	C7
Q741	C7
Q751	C7
Q800	B3

DIODE

D401	A10
D452	O6
D522	D7
D523	D7
D524	B3
D525	B3
D530	L7

BB BOARD (CONDUCTOR SIDE)

IC	
CA01	E2
CA02	E9
CA03	C5
CA04	D9
CA05	D9
CA14	D9
CA15	C9
CA16	B9
CA17	B9
CA18	D9
CA19	C9
CA20	B9

TRANSISTOR

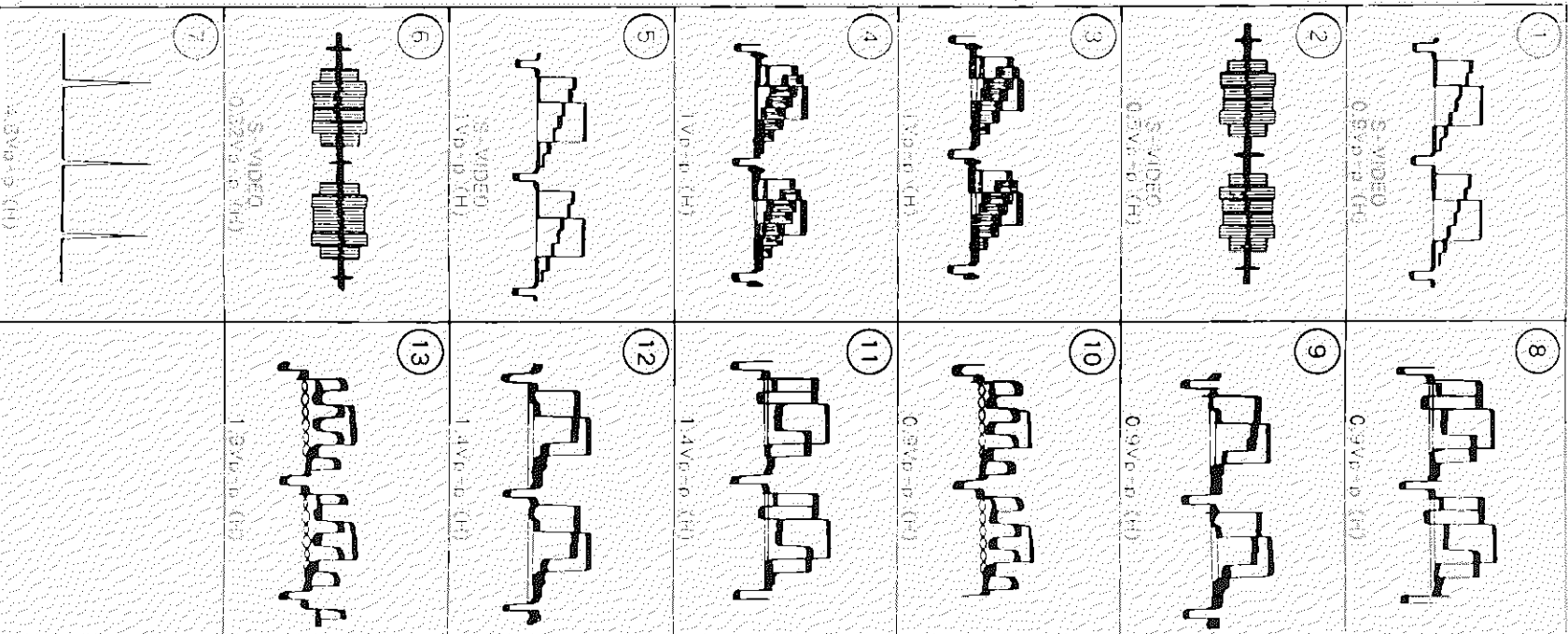
Q401	E8
Q402	C5
Q403	E3
Q404	E2
Q405	C7
Q450	A4
Q451	A5
Q452	C7
Q453	C7
Q454	A6
Q455	A6
Q456	A6
Q457	C4
Q503	B2
Q506	D2
Q507	D2
Q508	D2
Q509	C2
Q510	C2
Q511	C2
Q512	C2
Q513	C3
Q514	B2
Q515	A2
Q516	A2
Q517	A2
Q518	B5
Q519	B4
Q520	D1
Q521	D1
Q522	C1
Q523	B7
Q524	B7
Q525	B5
Q526	B5
Q527	B5
Q528	B2
Q529	B2
Q530	B2
Q531	B2
Q532	B6
Q533	B5
Q534	D3
Q535	C3
Q536	C3
Q537	B7

DIODE

D401	E10
D402	C5
D403	B4
D451	B1
D452	B1
D502	B1
D503	B1
D504	A8
D505	77
D506	B1
D507	B1
D508	B1
D509	E1
D510	E1
D511	D1
D512	D1
D513	C1
D514	C1
D515	C1
D516	A7
D517	A7
D518	A6
D519	A6
D520	A7
D521	A7
D522	A7
D523	A7
D524	E2
D525	E2
D526	D3
D527	D3
D528	A9
D529	A9
D530	A9
D531	A9
D532	A7
D533	B8

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

BB BAORD

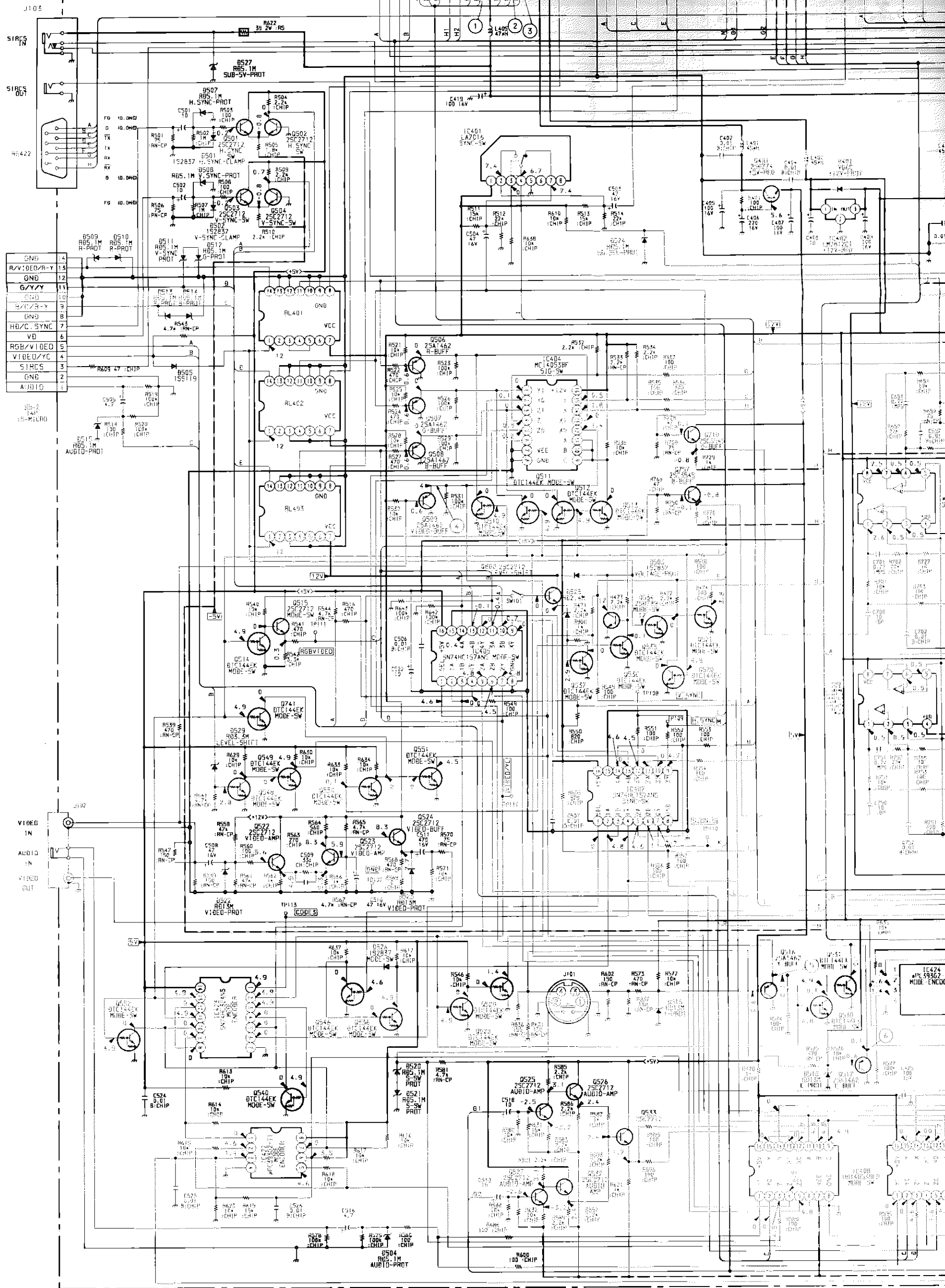


BB BOARD

REF	PIN	NTSC	S-VIDEO
	②	0.1	1.6
	④	0.5	1.4
	⑤	0.1	1.4
IC404	⑩	1.4	0.1
	⑫	1.8	0.5
	⑬	0.5	2
	⑮	4.5	0
IC405	⑦	4.8	0
	⑧	4.5	0
	⑨	4.5	0
IC408	⑩	4.6	4.8
	⑪	4.5	4.6
IC414	②	0.6	3.1
	⑩	-0.2	2.2
IC415	②	0.6	3.1
	⑩	-0.2	2.2
IC416	②	0.7	3.1
	⑩	-0.2	2.3
IC423	②	4.9	0

REF	NTSC	S-VIDEO
	3.58	
	0.6	0.6
Q509	-	
	1.4	
	0.6	0.6
Q516	0.1	1.6
	-	
	0.6	0.6
Q517	0.1	1.4
	-	
	4.9	0
Q528	0	4.1
	-	
	0	1.4
Q529	4.1	0
	-	
	4.9	0
Q530	0.1	1.6
	-	
	4.9	0
Q531	0.1	1.4
	-	
	3.6	2.4
Q539	4.2	1.9
	-	
	0	4.9
Q656	4.1	0
	-	

1A	HS (RGB)
1B	SIRCS (RC)
1C	SIRCS (N)
2A	VS (RGB)
2C	L.C.P.
3A	RGB/V (DEO)
3B	AUDIO OUT (L)
4A	HS (V (DEO))
4B	S-Y
4C	SUB +5V
5A	VS (V (DEO))
5B	S-C
5C	VIDEO
6A	GND
6B	+5.7V
6C	+15.5V
7A	REQ (RGB)
7B	AUDIO GND
7C	GND
8A	GND
8B	R (V (DEO))
8C	GND (RGB)
9A	GND
9B	G (V (DEO))
10A	GND
10B	GND
10C	B (V (DEO))
11A	BLUE (RGB)
11B	GND
11C	GND
12A	GND
12B	GND
12C	POWER CONT
13A	GND
13B	GND
13C	GND
14A	AUDIO (L)
14B	-5.7V
14C	-15.5V
15A	VOL
15B	GND
15C	GND
16A	GND
16B	GND
16C	SONG (L+H)
17A	GND
17B	GND
17C	GND
18A	GND
18B	GND
18C	GND
19A	GND
19B	GND
19C	GND
20A	GND
20B	GND
20C	GND
21A	GND
21B	GND
21C	GND
22A	GND
22B	GND
22C	GND



GND	14
R/V:DEO/R-Y	13
GND	12
G/Y/Y	11
STB	10
R/C/R-Y	9
GND	8
HD/C SYNC	7
VD	6
RGB/V:DEO	5
VIDEO/YC	4
SIRCS	3
GND	2
A:ID	1

IC424
144
15-M (LRO)

V:DEO IN
AUDIO IN
VIDEO OUT

J102

5V

GND

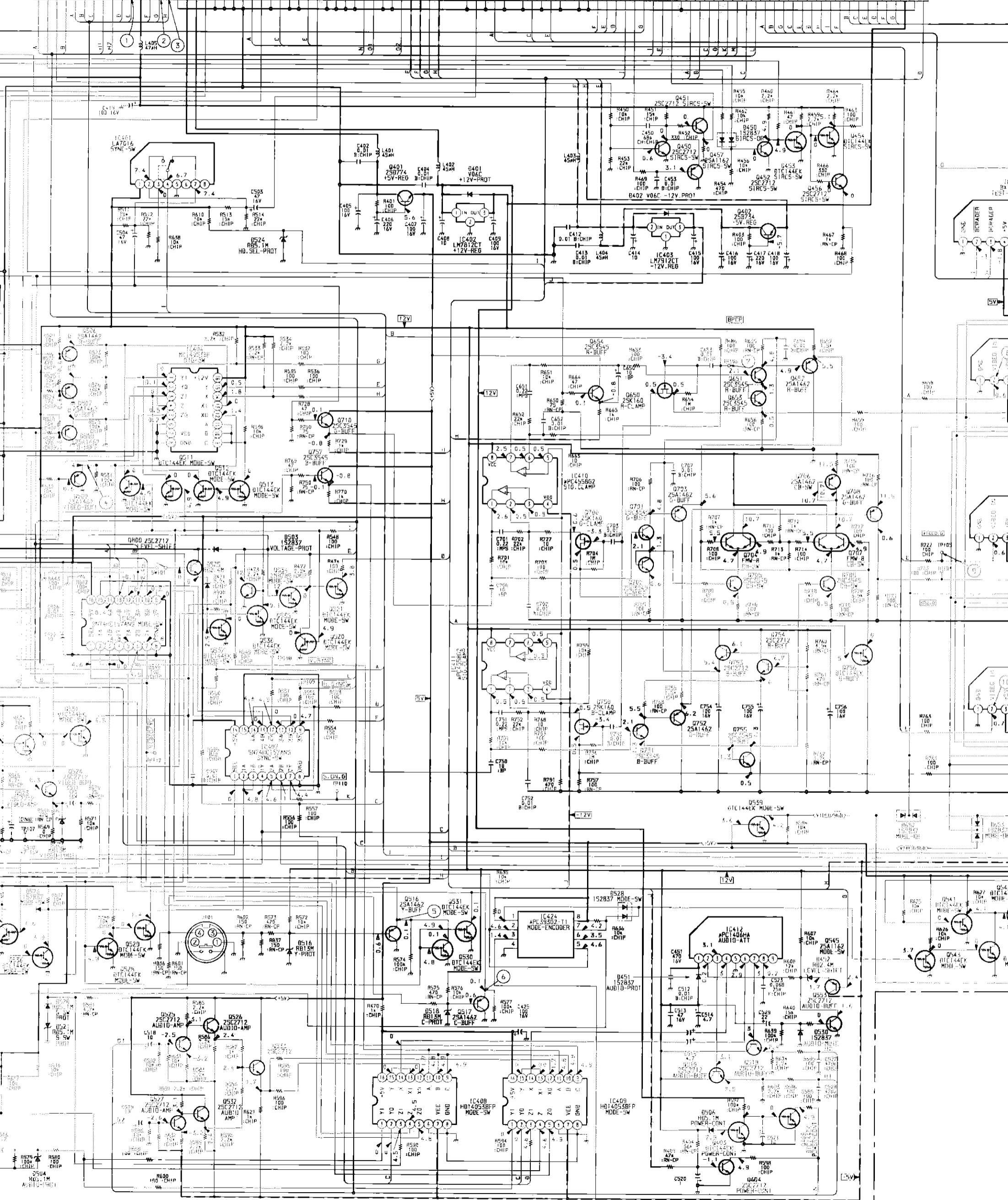
GND

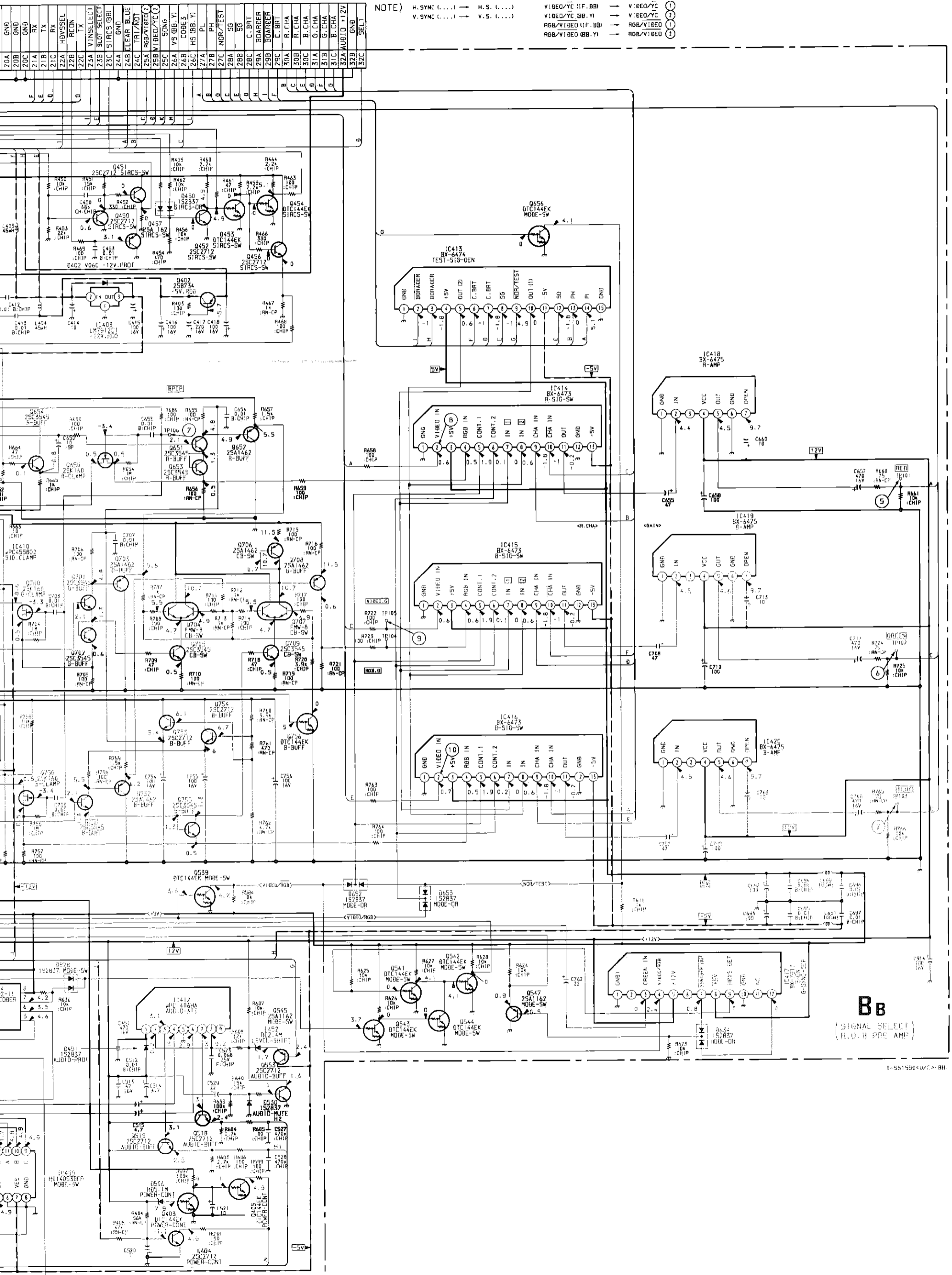
GND

GND

1A	HS (RGB)	12B	POWER CONT	19C	GND	26A	VS (BB-Y)	33A	GND	40A	GND	47A	PH	54A	SO	61A	GND	68A	GND	75A	GND	82A	GND	89A	GND	96A	GND	103A	GND	110A	GND	117A	GND	124A	GND	131A	GND	138A	GND	145A	GND	152A	GND	159A	GND	166A	GND	173A	GND	180A	GND	187A	GND	194A	GND	201A	GND	208A	GND	215A	GND	222A	GND	229A	GND	236A	GND	243A	GND	250A	GND	257A	GND	264A	GND	271A	GND	278A	GND	285A	GND	292A	GND	299A	GND	306A	GND	313A	GND	320A	GND	327A	GND	334A	GND	341A	GND	348A	GND	355A	GND	362A	GND	369A	GND	376A	GND	383A	GND	390A	GND	397A	GND	404A	GND	411A	GND	418A	GND	425A	GND	432A	GND	439A	GND	446A	GND	453A	GND	460A	GND	467A	GND	474A	GND	481A	GND	488A	GND	495A	GND	502A	GND	509A	GND	516A	GND	523A	GND	530A	GND	537A	GND	544A	GND	551A	GND	558A	GND	565A	GND	572A	GND	579A	GND	586A	GND	593A	GND	600A	GND	607A	GND	614A	GND	621A	GND	628A	GND	635A	GND	642A	GND	649A	GND	656A	GND	663A	GND	670A	GND	677A	GND	684A	GND	691A	GND	698A	GND	705A	GND	712A	GND	719A	GND	726A	GND	733A	GND	740A	GND	747A	GND	754A	GND	761A	GND	768A	GND	775A	GND	782A	GND	789A	GND	796A	GND	803A	GND	810A	GND	817A	GND	824A	GND	831A	GND	838A	GND	845A	GND	852A	GND	859A	GND	866A	GND	873A	GND	880A	GND	887A	GND	894A	GND	901A	GND	908A	GND	915A	GND	922A	GND	929A	GND	936A	GND	943A	GND	950A	GND	957A	GND	964A	GND	971A	GND	978A	GND	985A	GND	992A	GND	1000A	GND
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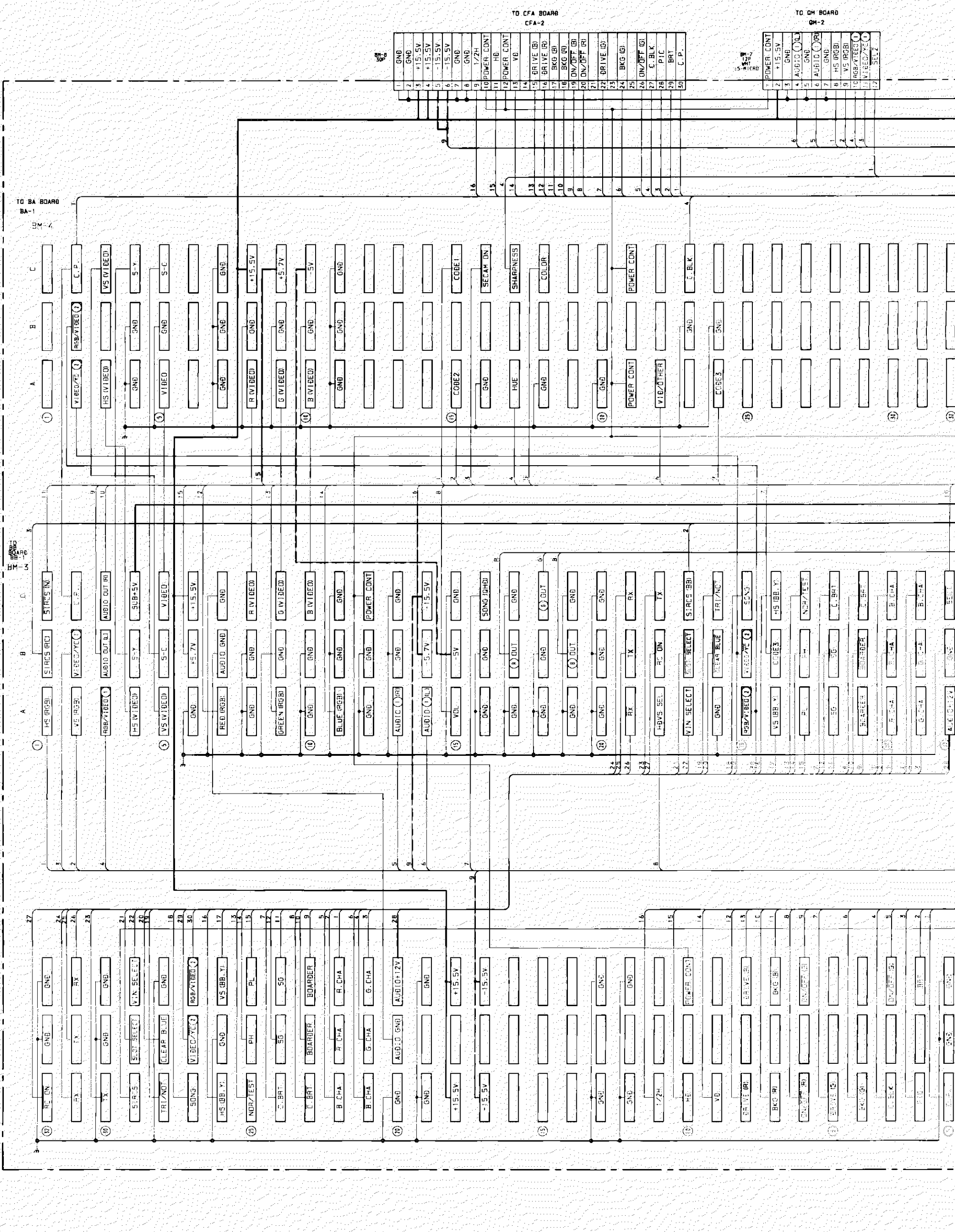
NOTE) H. SYNC L. V. SYNC L.





Schematic diagram

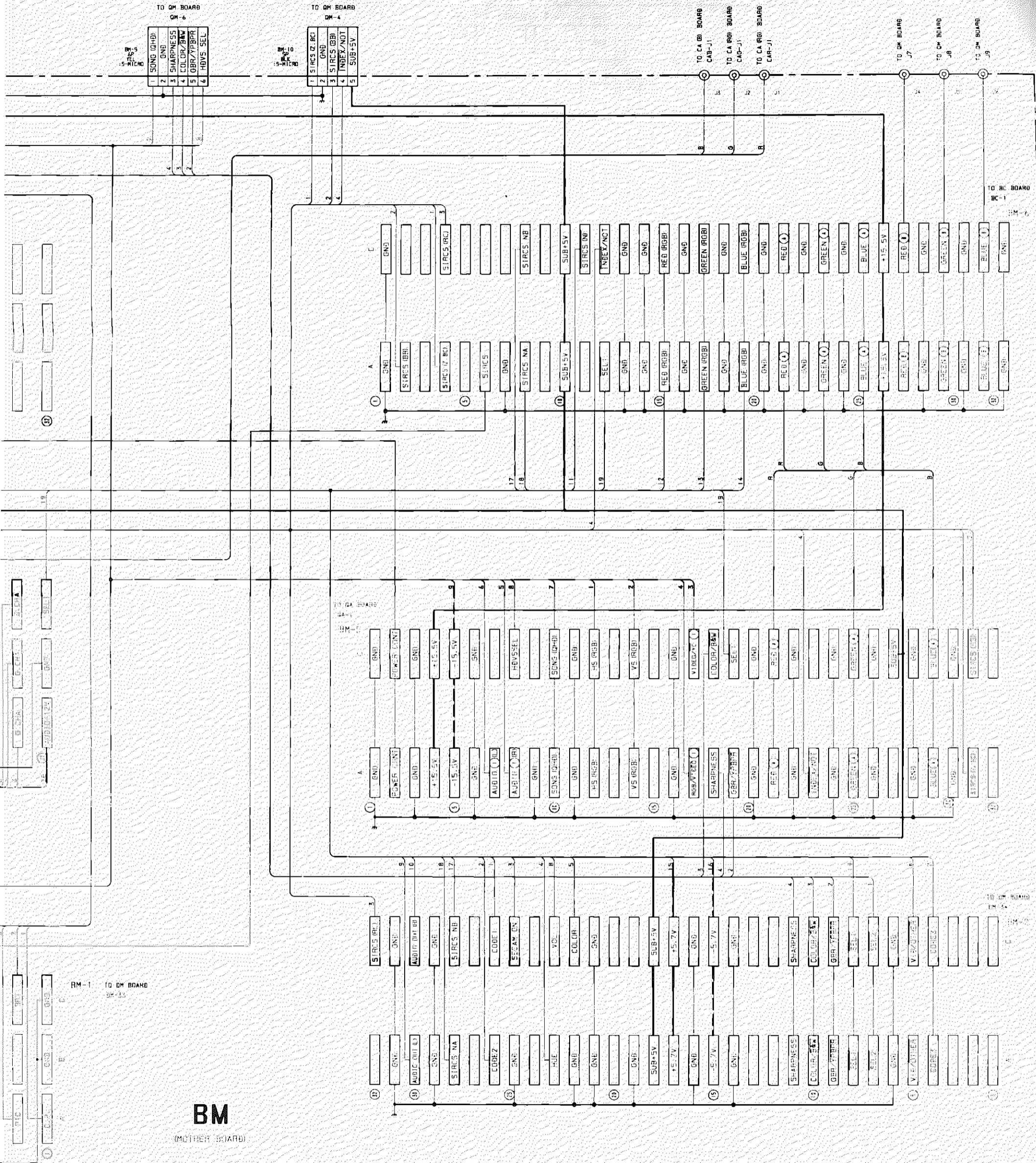
Schematic diagram



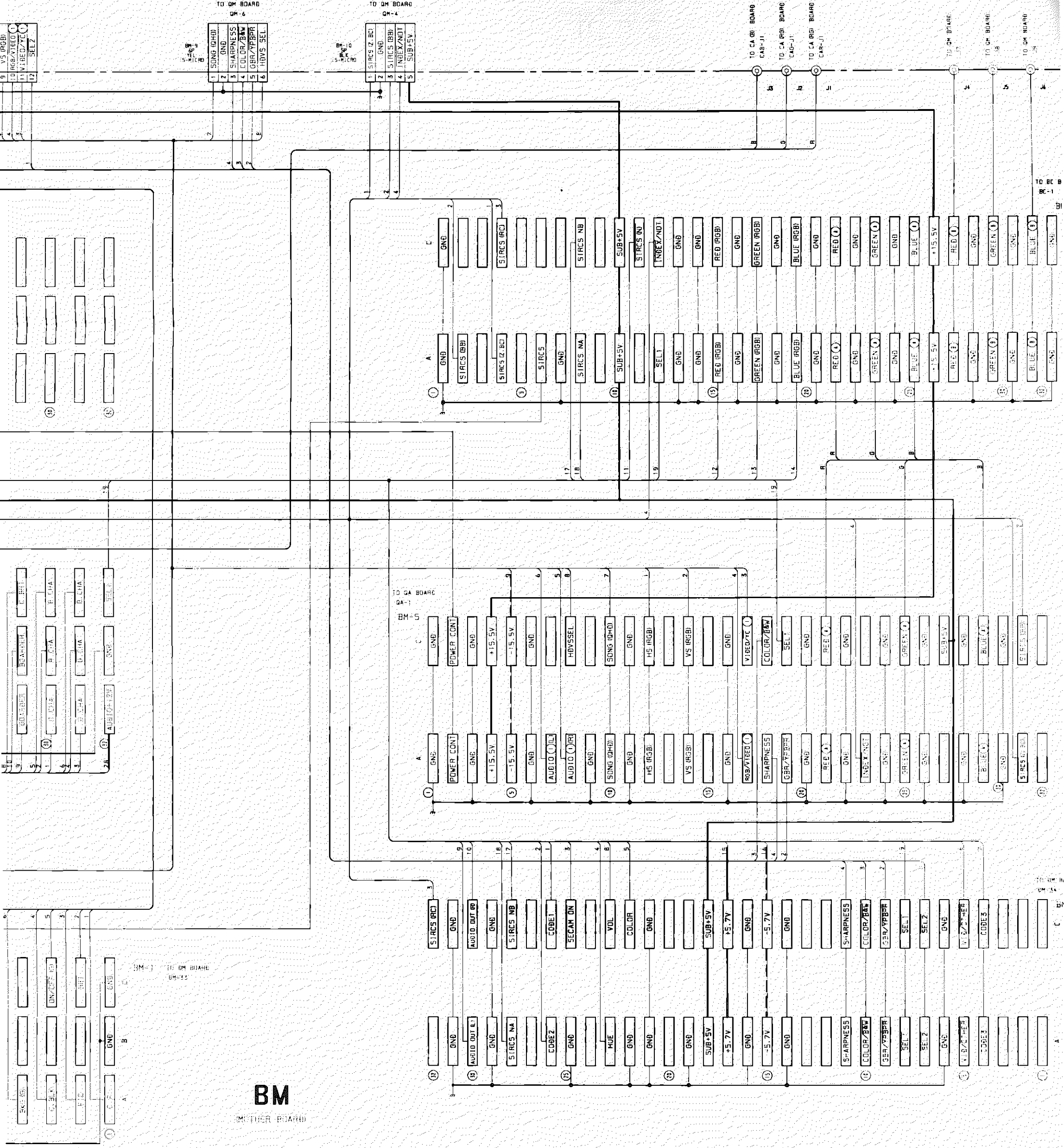
TO CFA BOARD
CFA-2

TO QM BOARD
QM-2

TO BA BOARD
BA-1
BM-2



BM
(MOTHER BOARD)

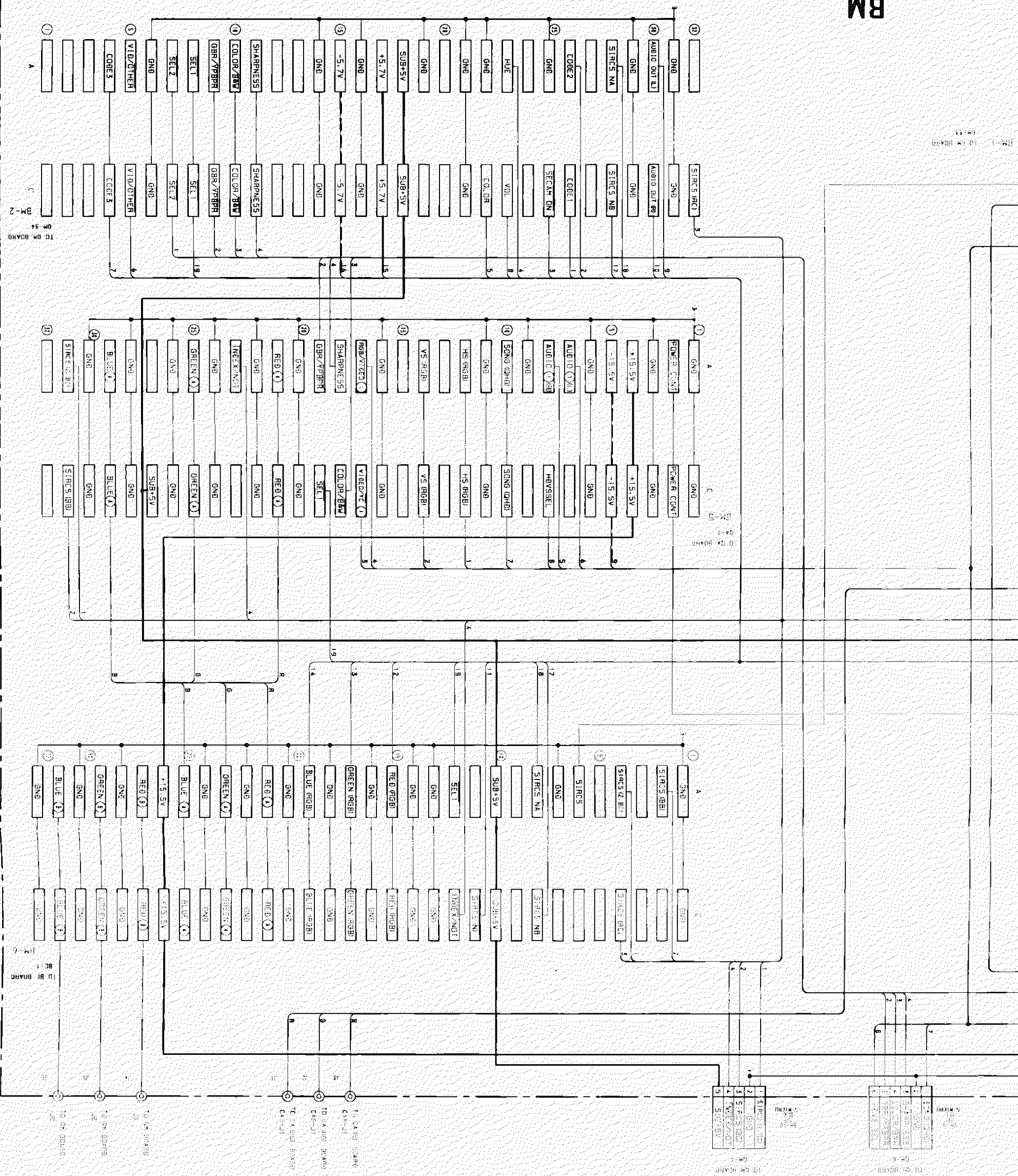


BM

MOTHER BOARD

BM

(MOTHER BOARD)



B-591550(L/C)-BM

48

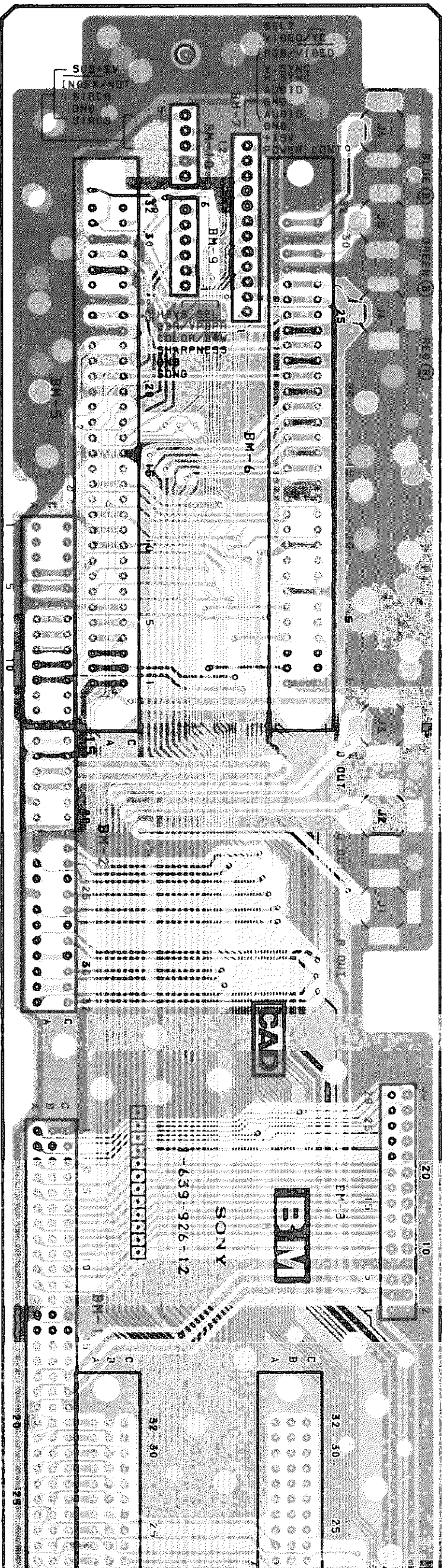
BM

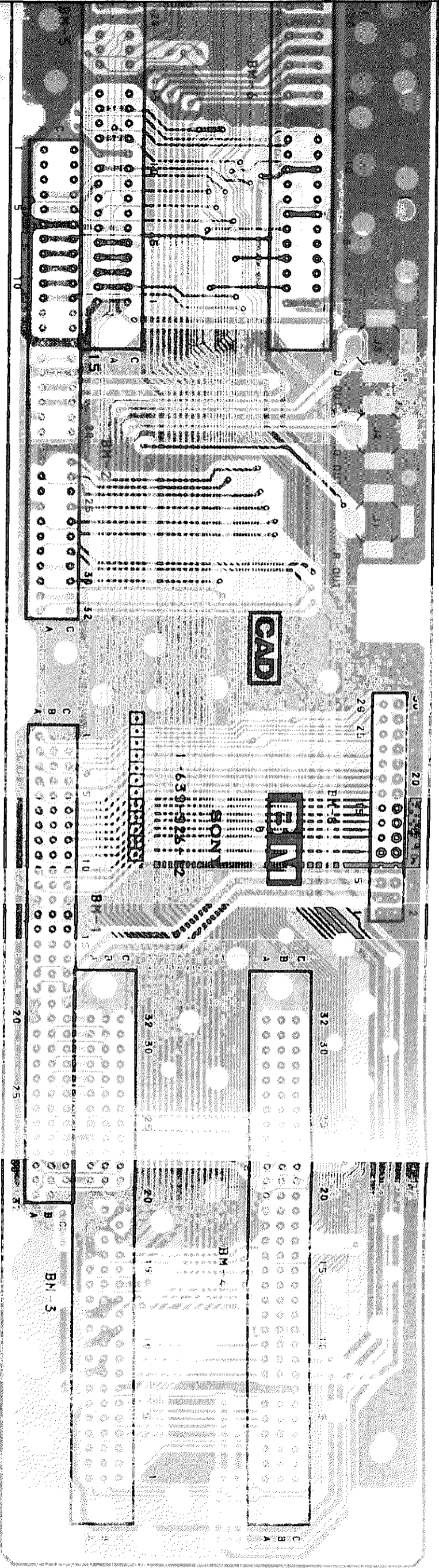
[MOTHER BOARD]

VPH-1272QM/Q
RM-1271

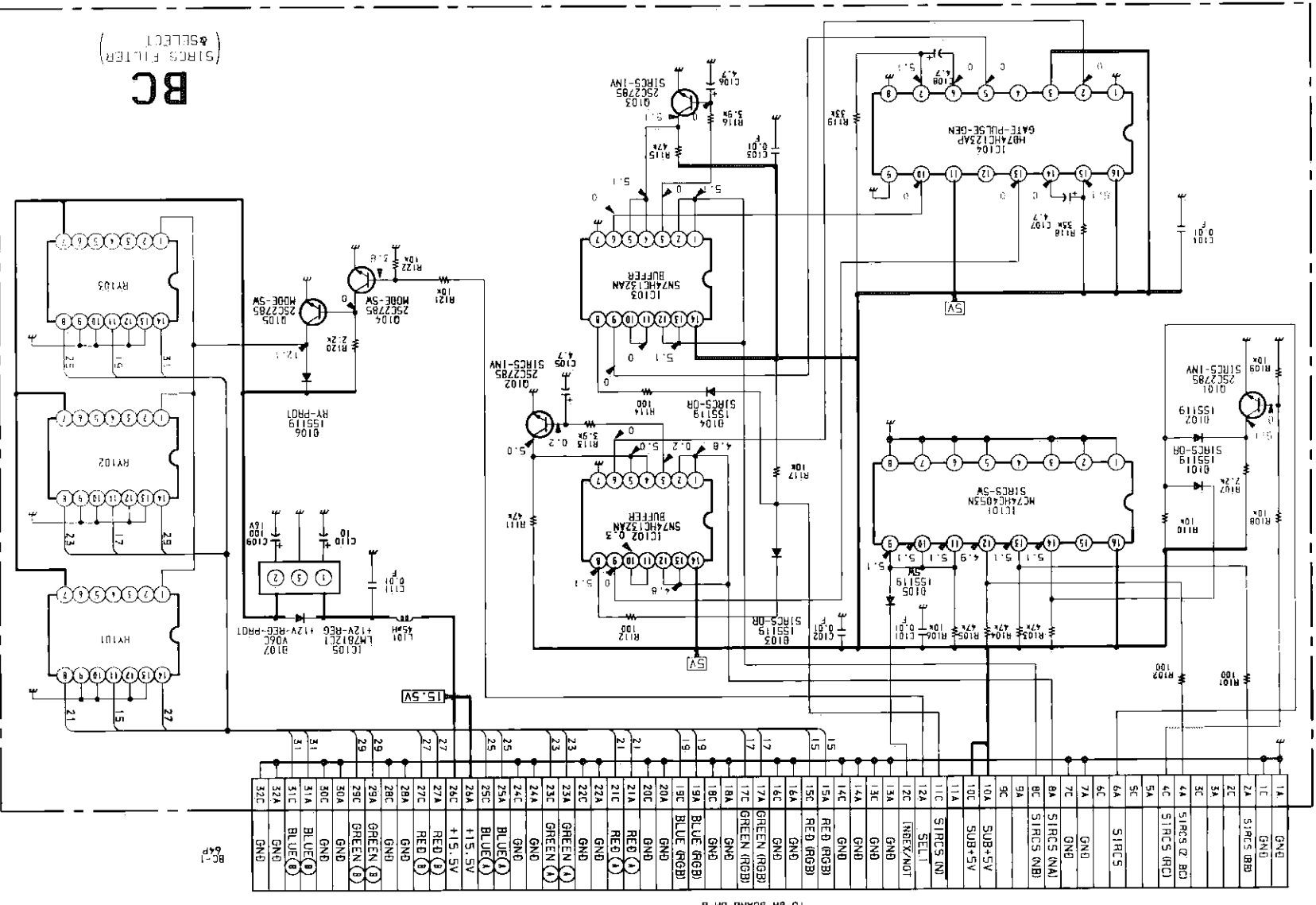
VPH-1272QM/Q
RM-1271

- BM BOARD -





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



B-551530XUNX-BC

BC
(SIRCS FILTER) SELECT

TO BM BOARD BM-6

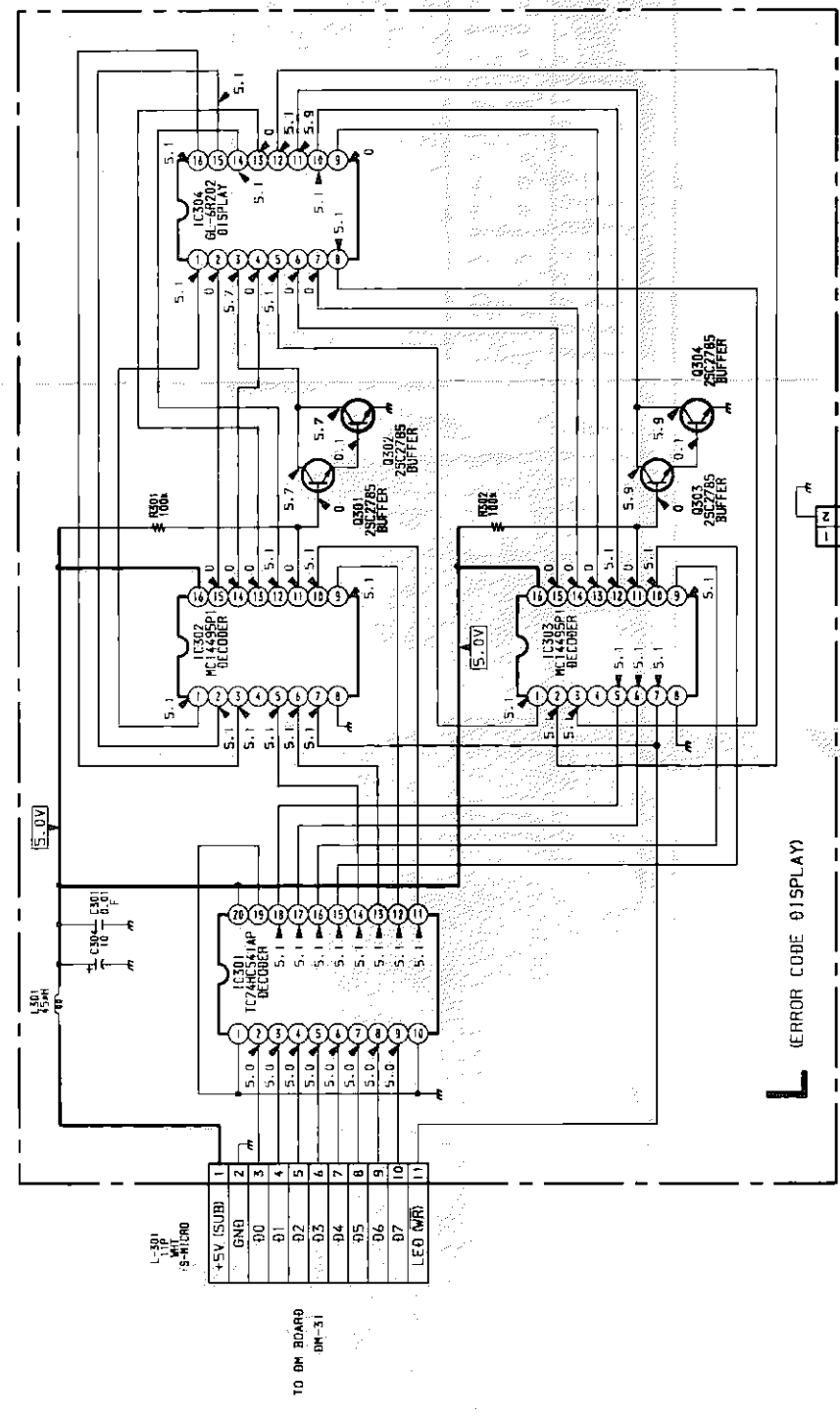
BM-51

BM-51

1 2 3 4 5 6 7 8 9 10

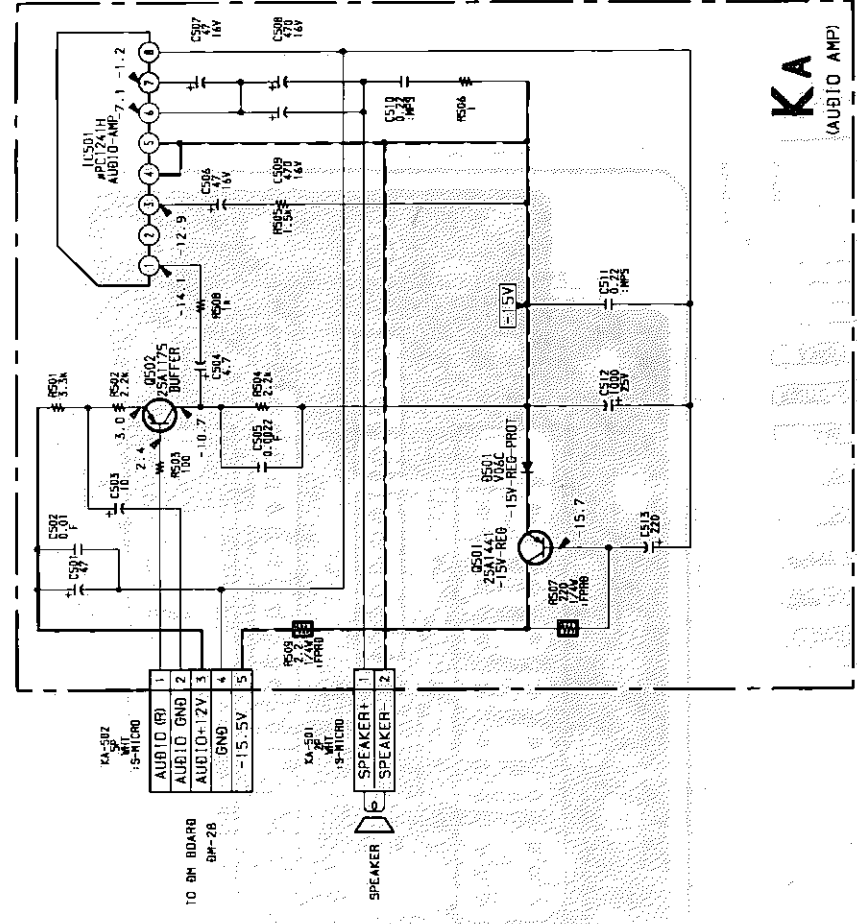
A B C D E F G H I J

10 11 12 13 14 15 16 17 18 19 20 21 22



L (ERROR CODE 01SPRAY)

B-551550KUC>L...



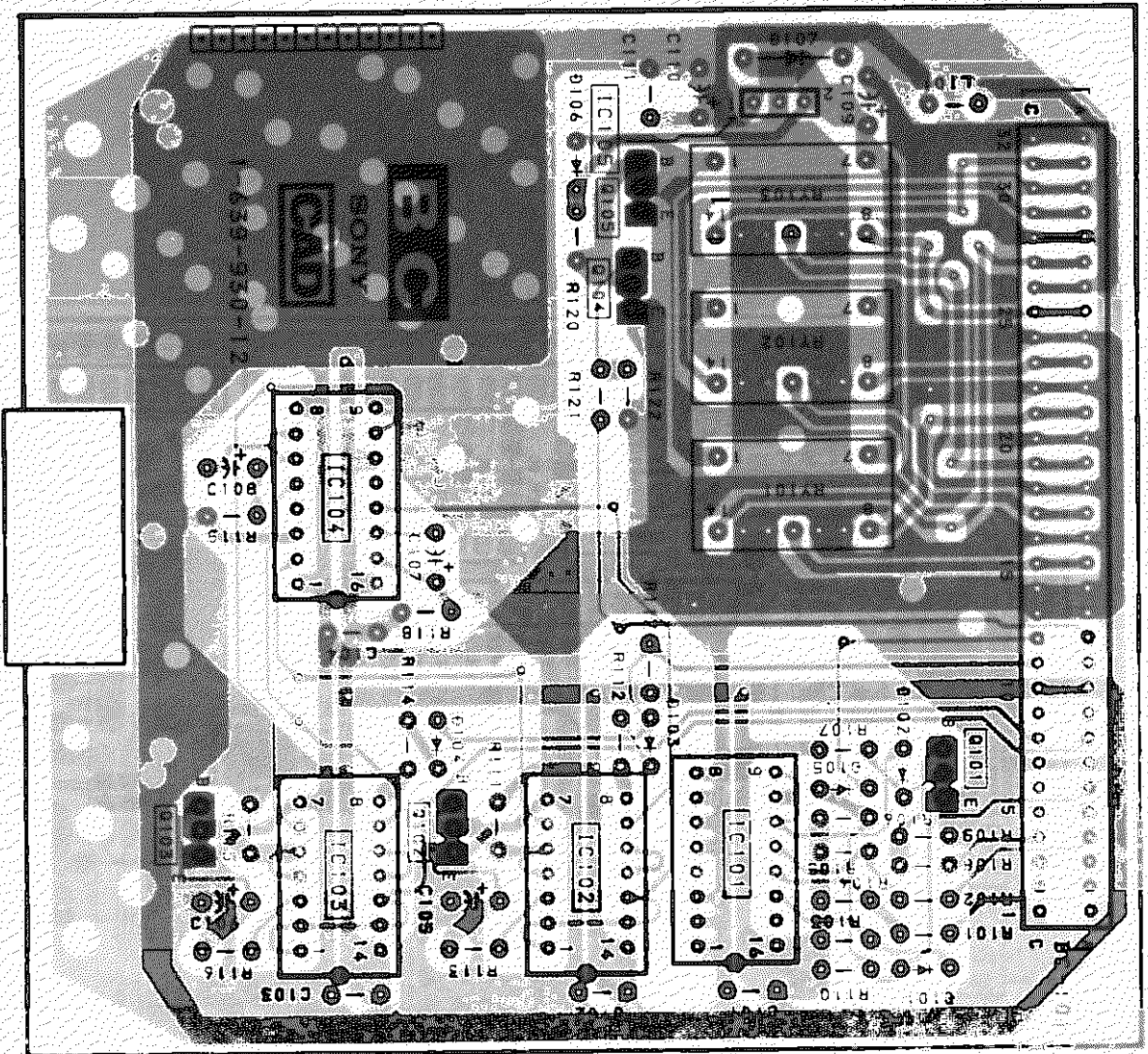
KA (AUDIO AMP)

B-551550KUC>KA

BC

[SIRCS FILTER & SELECT]

- BC BOARD -



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

VPH-1272QM/Q RM-1271

VPH-1272QM/Q RM-1271

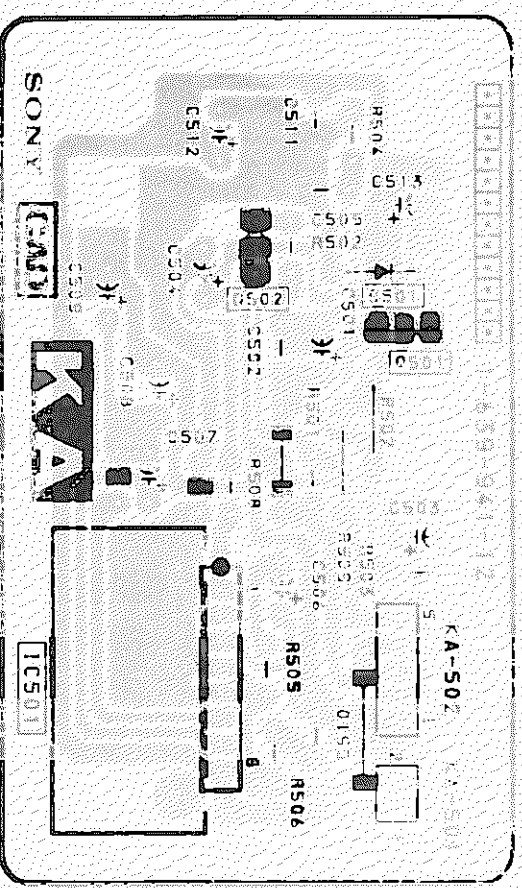
KA

[AUDIO AMP]

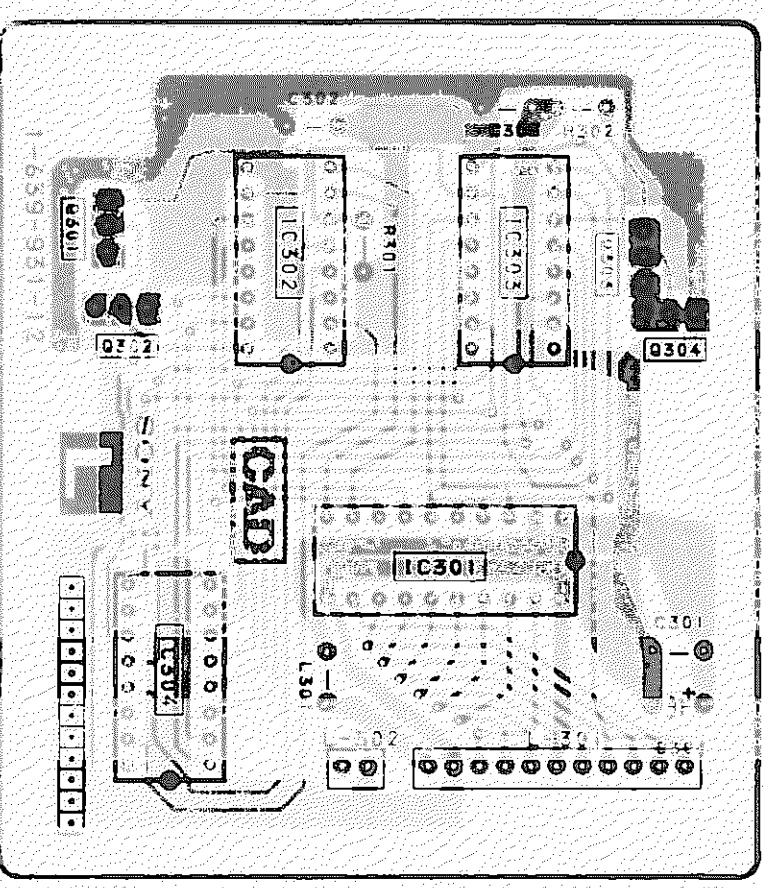
L

[ERROR CODE DISPLAY]

- KA BOARD -



- L BOARD -



CA(B)

[VIDEO OUT B]

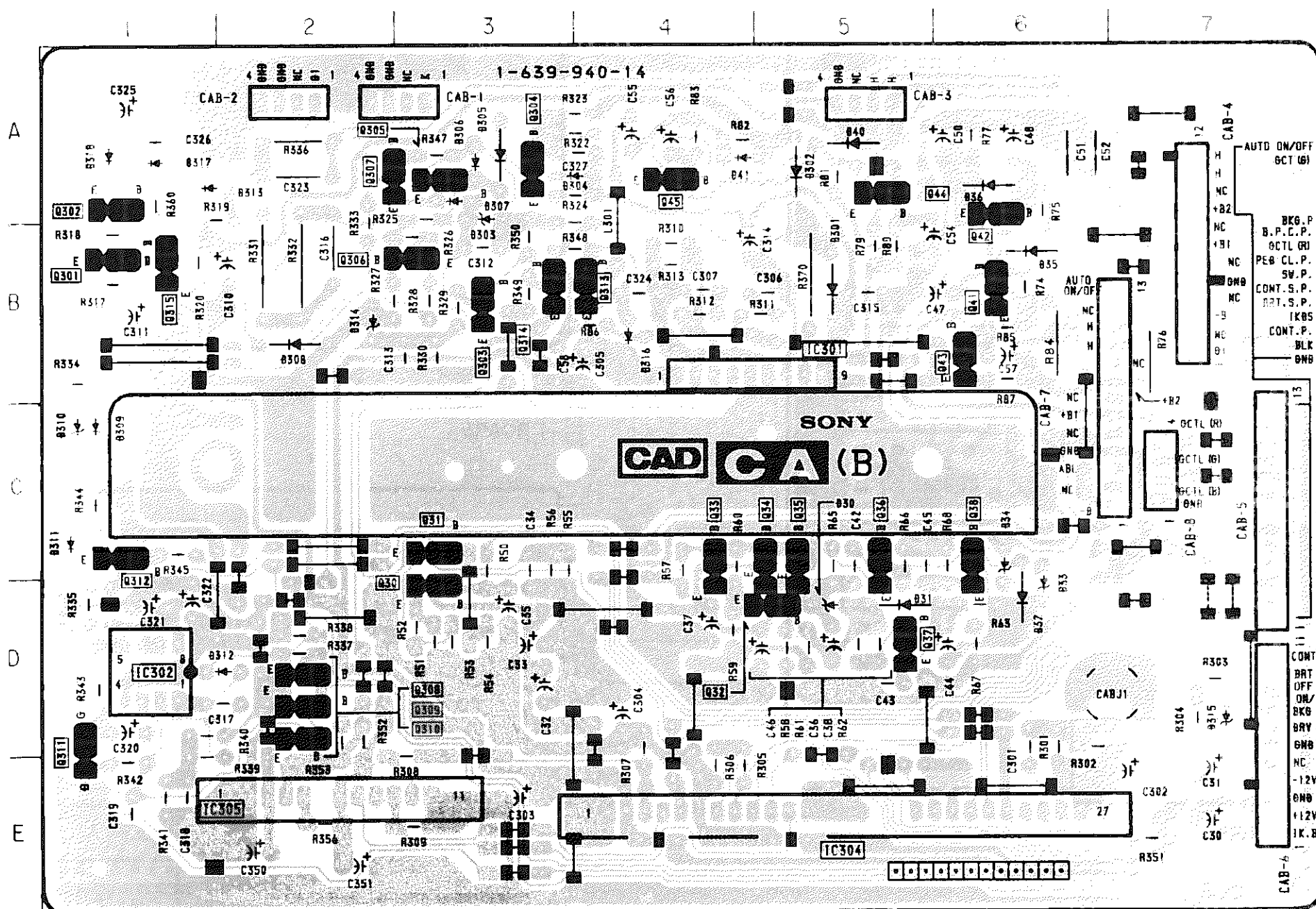
CA(B) BOARD

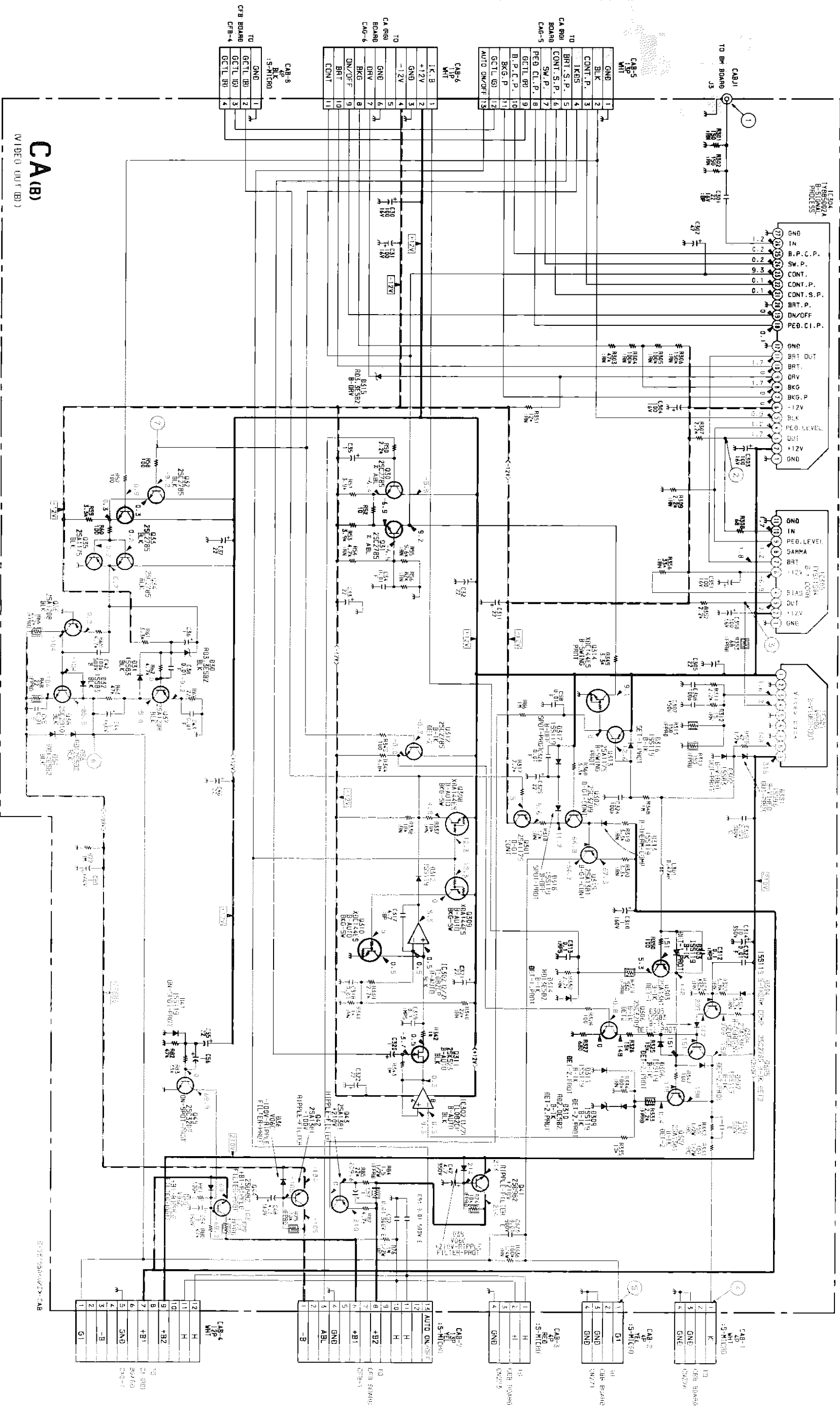
- CA(B) BOARD -

IC	
IC301	B-5
IC302	D-1
IC304	E-5
IC305	E-2

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

DIODE	
D30	D-5
D32	D-6
D33	D-6
D34	C-6
D35	B-6
D36	A-6
D40	A-5
D41	A-4
D301	B-5
D302	A-5
D303	A-3
D304	A-3
D305	A-3
D306	A-3
D307	A-3
D309	C-1
D310	C-1
D311	C-1
D312	D-1
D313	A-1
D314	B-2
D315	D-7
D316	B-4
D317	A-1
D318	A-1





CA(B)
(VIDEO OUT (B))

CA(B) BOARD

1



1.4V_{p-p} (H)

2



3V_{p-p} (H)

3



6.4V_{p-p} (H)

4



190V_{p-p} (H)

5



24V_{p-p} (H)

6



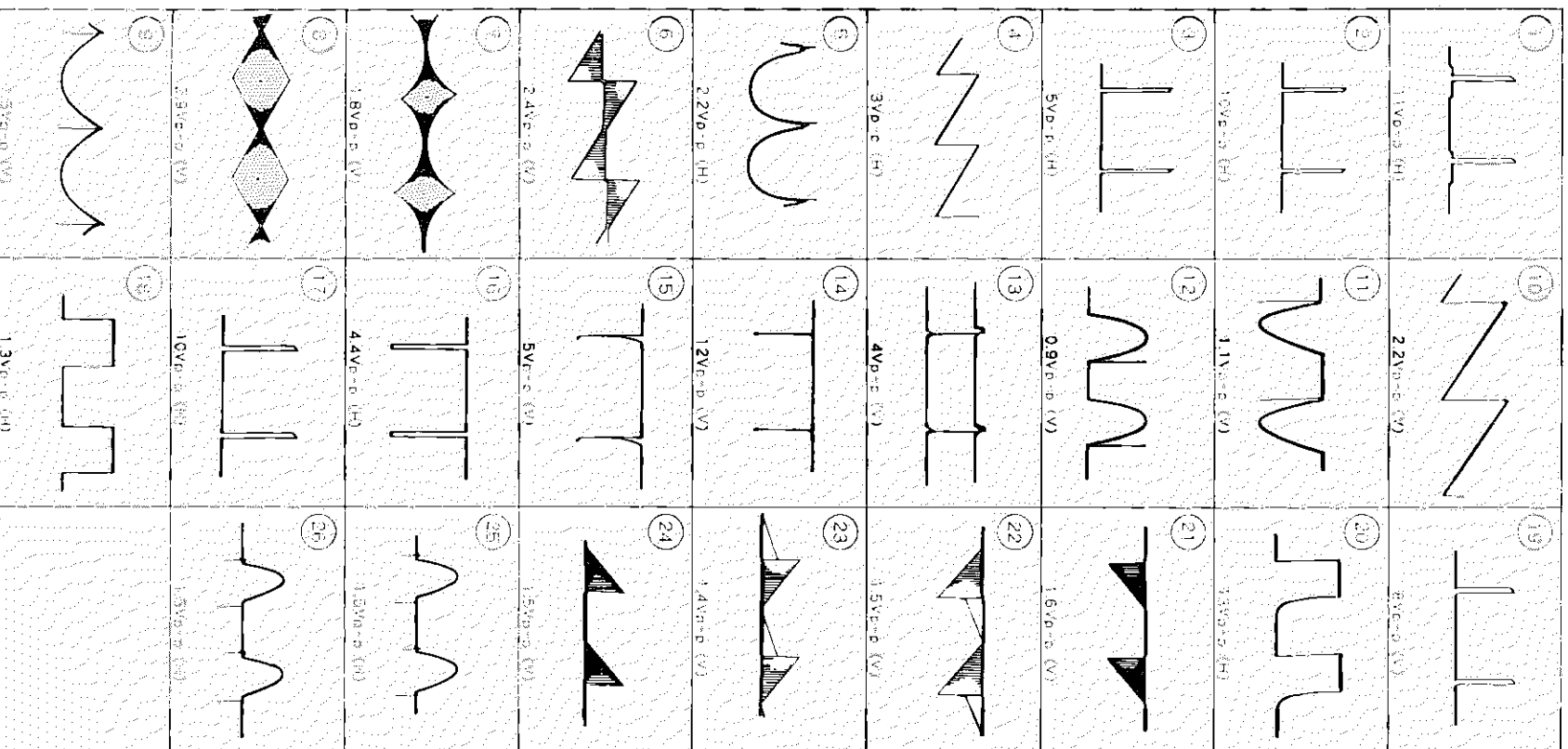
24V_{p-p} (H)

7



5V_{p-p} (H)

DA BOARD



DA BOARD (COMPONENT SIDE)

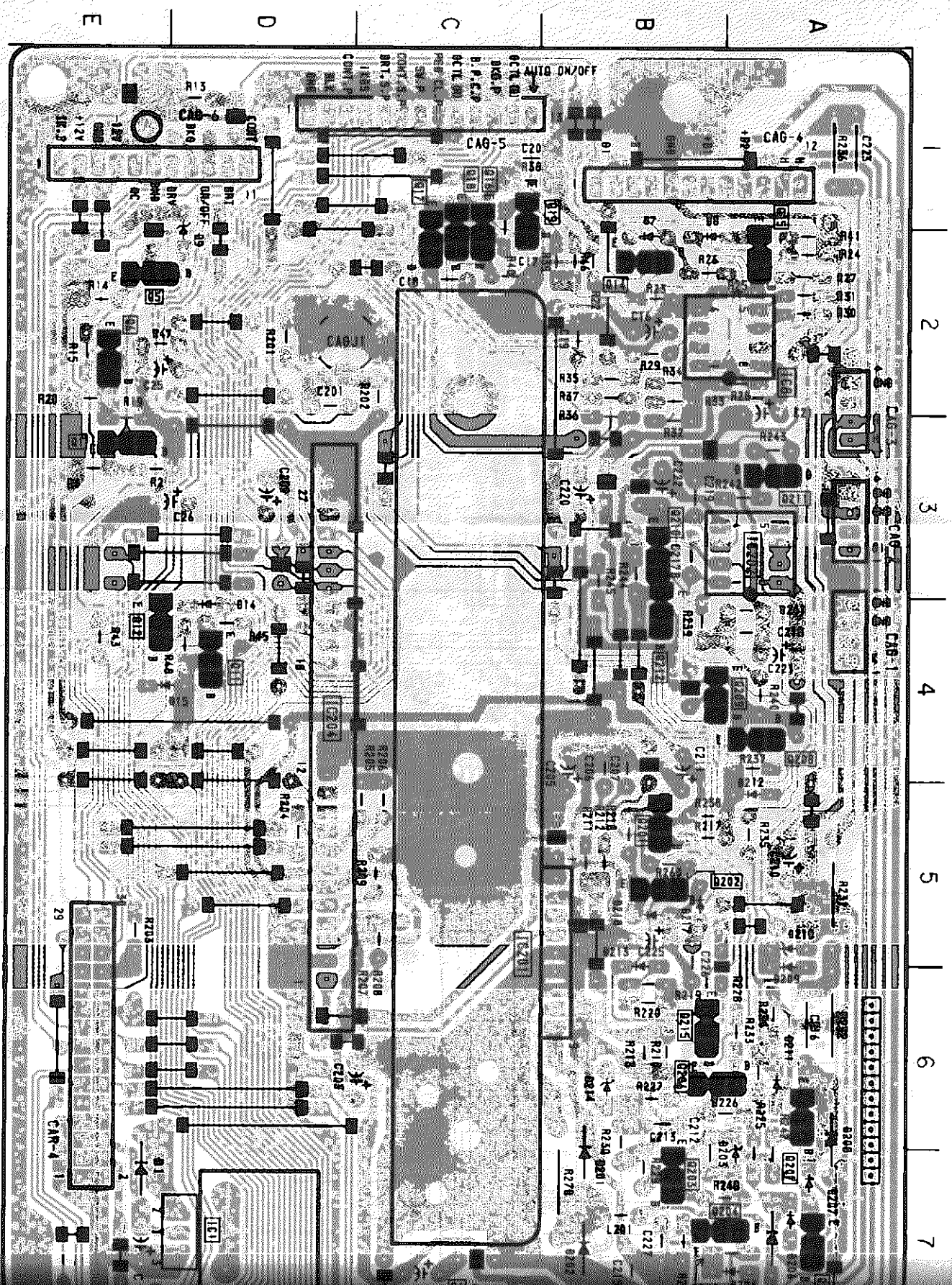
IC		DIODE	
IC1	E-8	Q221	B-2
IC2	E-10	Q224	B-3
IC3	A-9	Q225	A-3
IC4	A-8	Q226	B-4
IC6	A-9	Q227	A-4
IC7	B-7	Q228	A-3
IC9	C-9	Q229	A-4
IC11	D-7	Q232	C-1
IC12	B-10	Q234	C-1
IC14	A-10	Q236	B-1
IC15	A-5	Q238	B-1
IC16	D-9	Q602	A-7
IC17	E-9	Q604	B-7
IC18	C-9	Q701	B-4
IC20	C-9	Q702	A-4
IC21	D-9	Q703	B-5
IC22	D-9	Q704	B-5
IC201	C-5	Q705	B-5
IC202	B-5	Q706	B-4
IC203	D-2	Q709	A-5
IC204	D-3	Q801	D-5
IC205	D-3	Q801	A-9
IC206	D-4	Q802	E-8
IC207	D-4		
IC208	A-2	D1	E-9
IC209	A-2	D2	E-10
IC210	E-1	D3	A-9
IC211	A-3	D4	D-7
IC212	A-3	D5	B-9
IC214	E-1	D6	D-7
IC215	D-1	D7	D-4
IC216	C-2	D8	D-4
IC401	E-2	D9	E-8
IC402	E-3	D10	C-9
IC601	A-6	D12	E-9
IC701	E-10	D201	B-2
		D202	B-2
		D203	B-2
		D204	C-3
		D205	C-1
		D206	B-3
		D207	B-3
		D401	C-4
		D402	D-2
		D601	A-7
		D602	A-7
		D701	B-5
TRANSISTOR			
Q9	E-7		
Q16	B-6		
Q19	C-10		
Q20	C-10		
Q22	E-9		
Q206	B-1		
Q207	A-1		
Q208	B-1		
Q209	A-1		
Q210	B-1		
Q211	A-1		
Q214	B-2		
Q216	C-2		
Q217	B-2		
Q218	C-2		
Q219	B-3		
Q220	B-3		
VARIABLE RESISTOR			
		RV1	A-9
		RV2	A-9
		RV3	A-8
		RV4	A-8
		RV5	A-8
		RV6	A-7

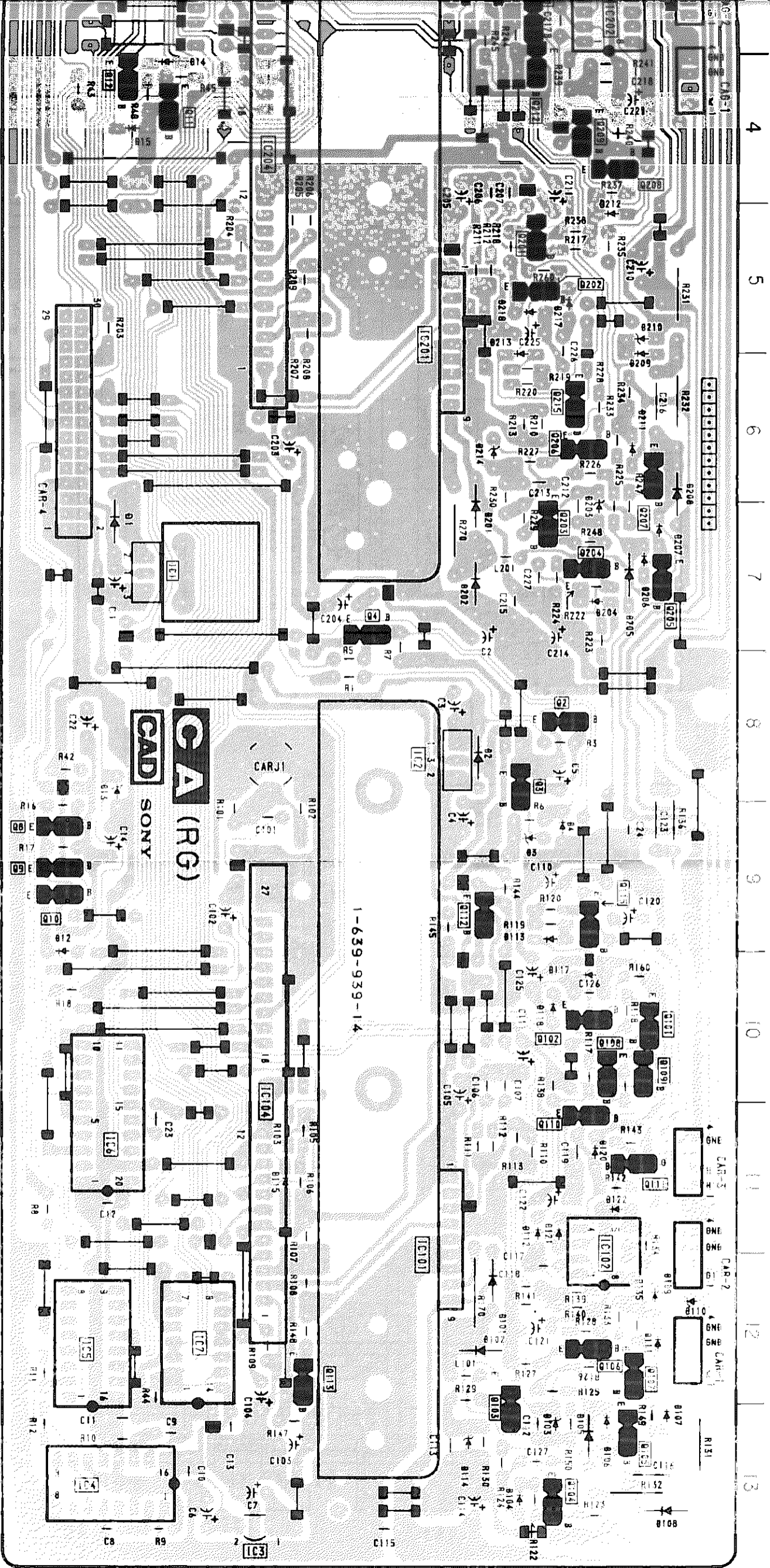
CA(RG)
MIDCO OUT R.GI

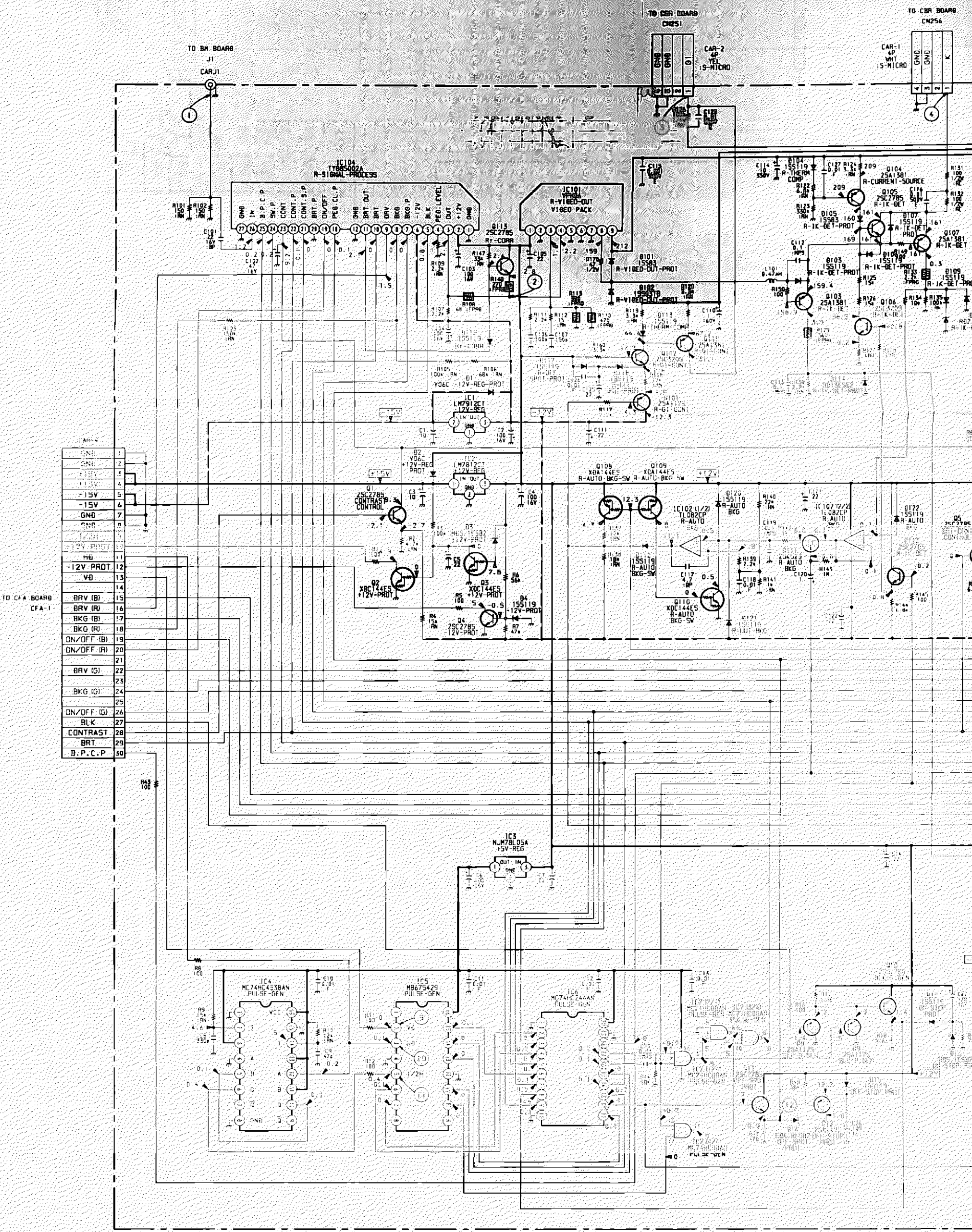
CA(RG) BOARD

IC	Q207	A6
IC1	Q208	A4
IC2	Q210	B3
IC3	Q211	A3
IC4	Q212	B4
IC5	Q215	B6
IC6		
IC7		
IC8		
IC101	D1	E7
IC102	D2	B8
IC104	D3	B9
IC201	D4	B9
IC202	D7	B2
IC204	D8	B2
	D9	D2
	D12	E9
	D13	E8
	D14	D4
	D15	E4
	D101	B-12
	D102	B-12
	D103	B-13
	D104	B-13
	D105	A-13
	D106	A-13
	D107	A-13
	D109	A-12
	D110	A-12
	D111	A-12
	D112	B-11
	D113	B-9
	D114	B-13
	D115	D-14
	D117	A-10
	D118	B-10
	D120	A-11
	D121	B-11
	D122	A-11
	D201	B7
	D202	B7
	D203	A6
	D204	A7
	D205	A7
	D206	A7
	D207	A7
	D209	A5
	D210	A5
	D211	A6
	D212	A5
	D213	B5
	D214	B6
	D217	B5
	D218	B5

CA(RG) BOARD



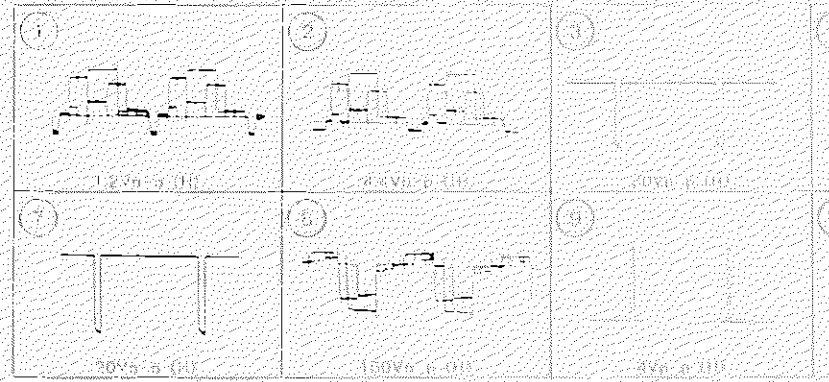


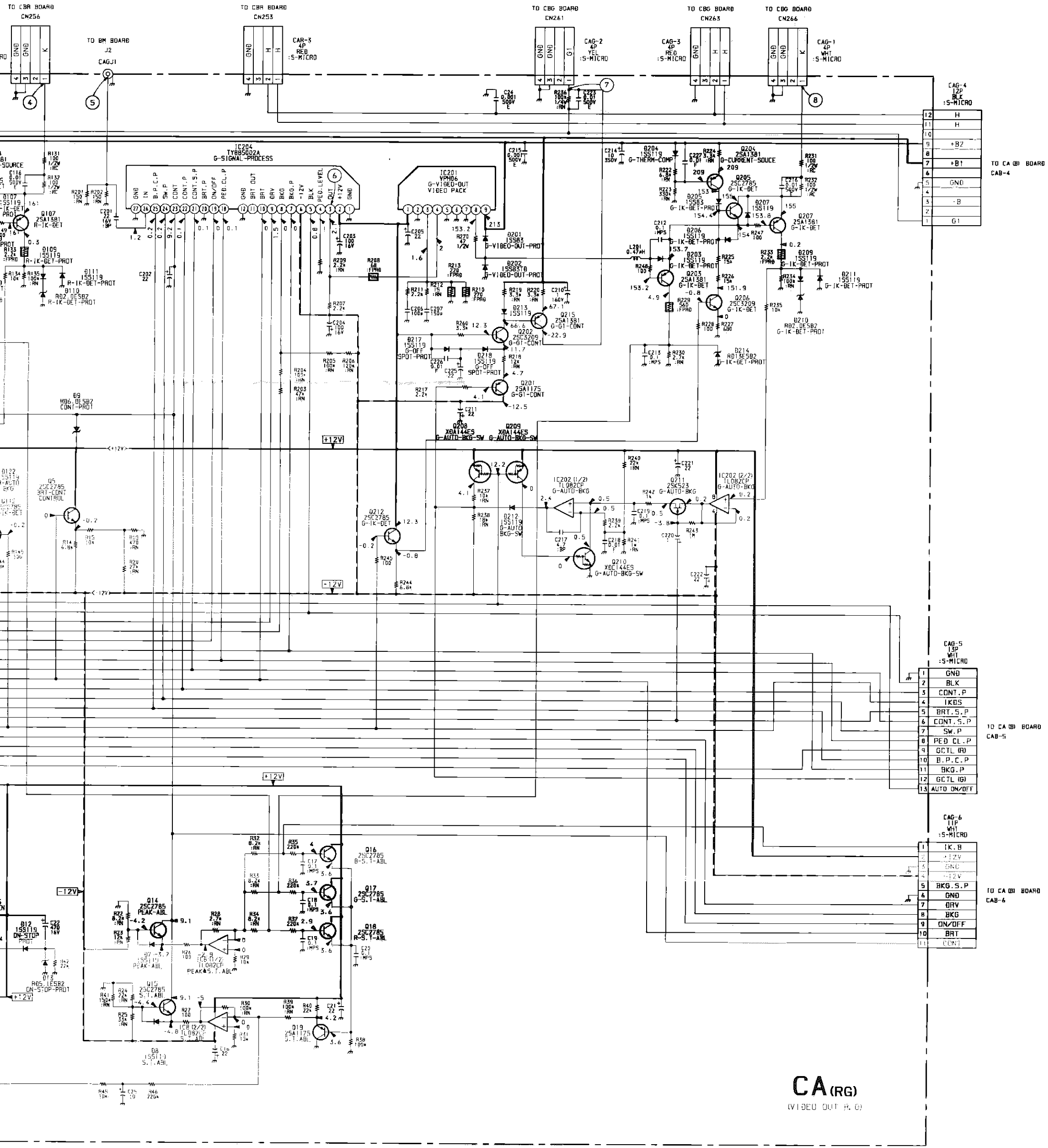


TO CFA BOARD
CFA-1

1	GND
2	GND
3	+15V
4	+15V
5	+15V
6	-15V
7	GND
8	GND
9	+12V PROT
10	+12V PROT
11	HB
12	-12V PROT
13	VD
14	BRV (B)
15	BRV (R)
16	BKG (B)
17	BKG (R)
18	BKG (I)
19	ON/OFF (B)
20	ON/OFF (R)
21	BRV (G)
22	BKG (G)
23	BKG (I)
24	ON/OFF (G)
25	BLK
26	CONTRAST
27	BRT
28	B.P.C.P
29	B.P.C.P
30	B.P.C.P

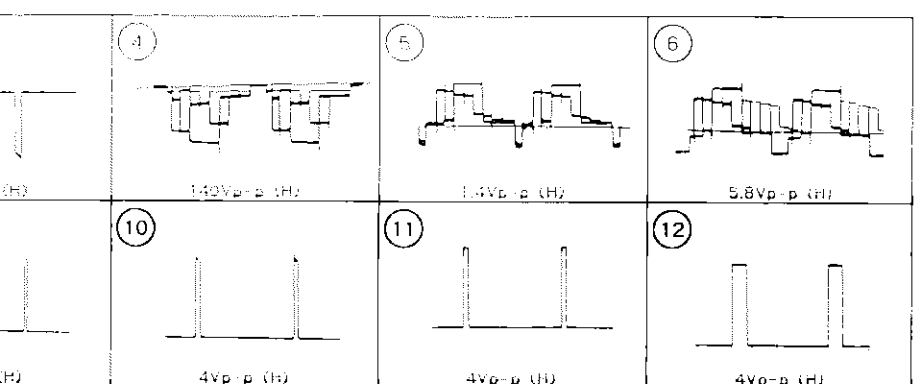
CA(RG) BOARD



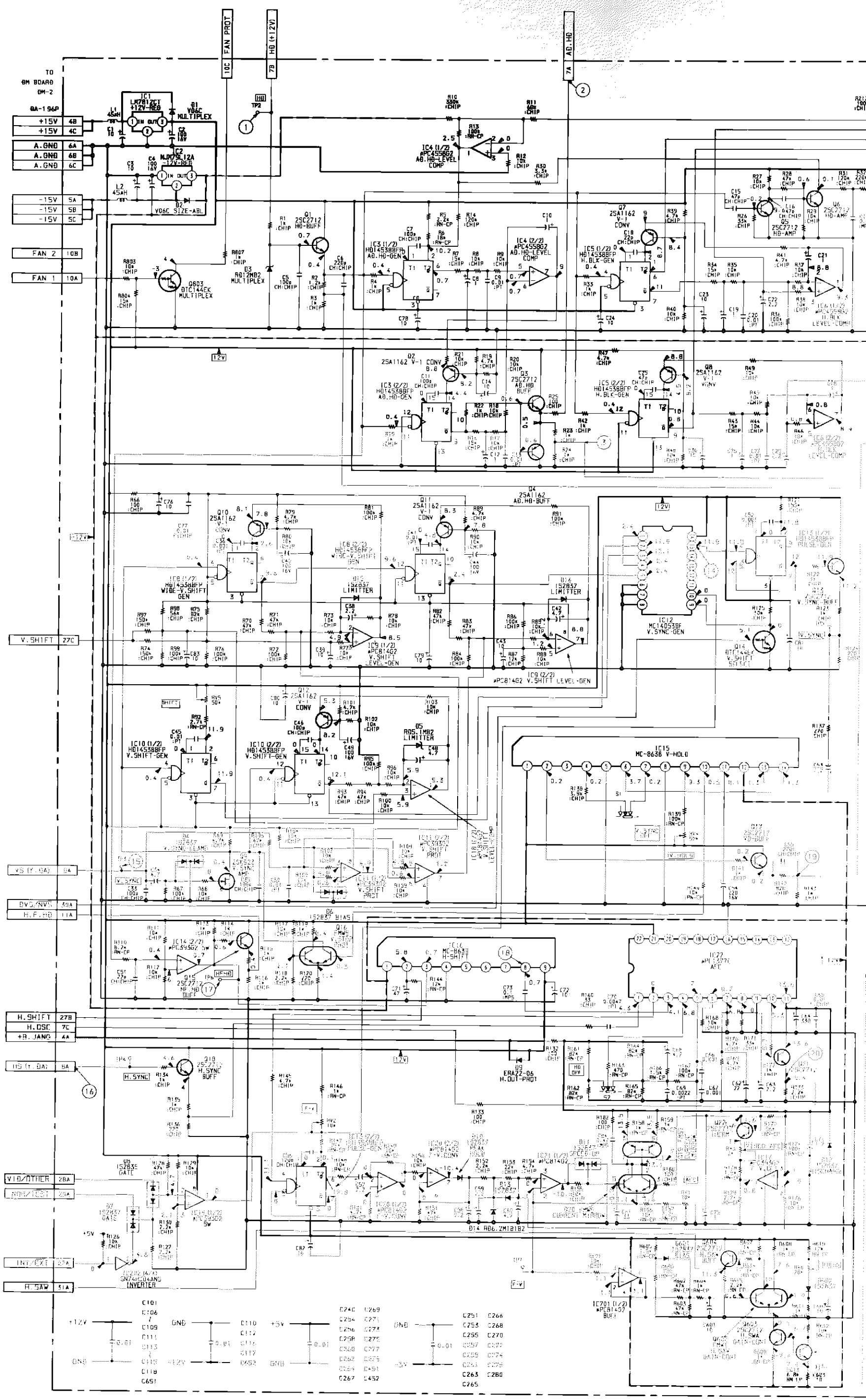


CA(RG)
(VIDEO OUT R. G)

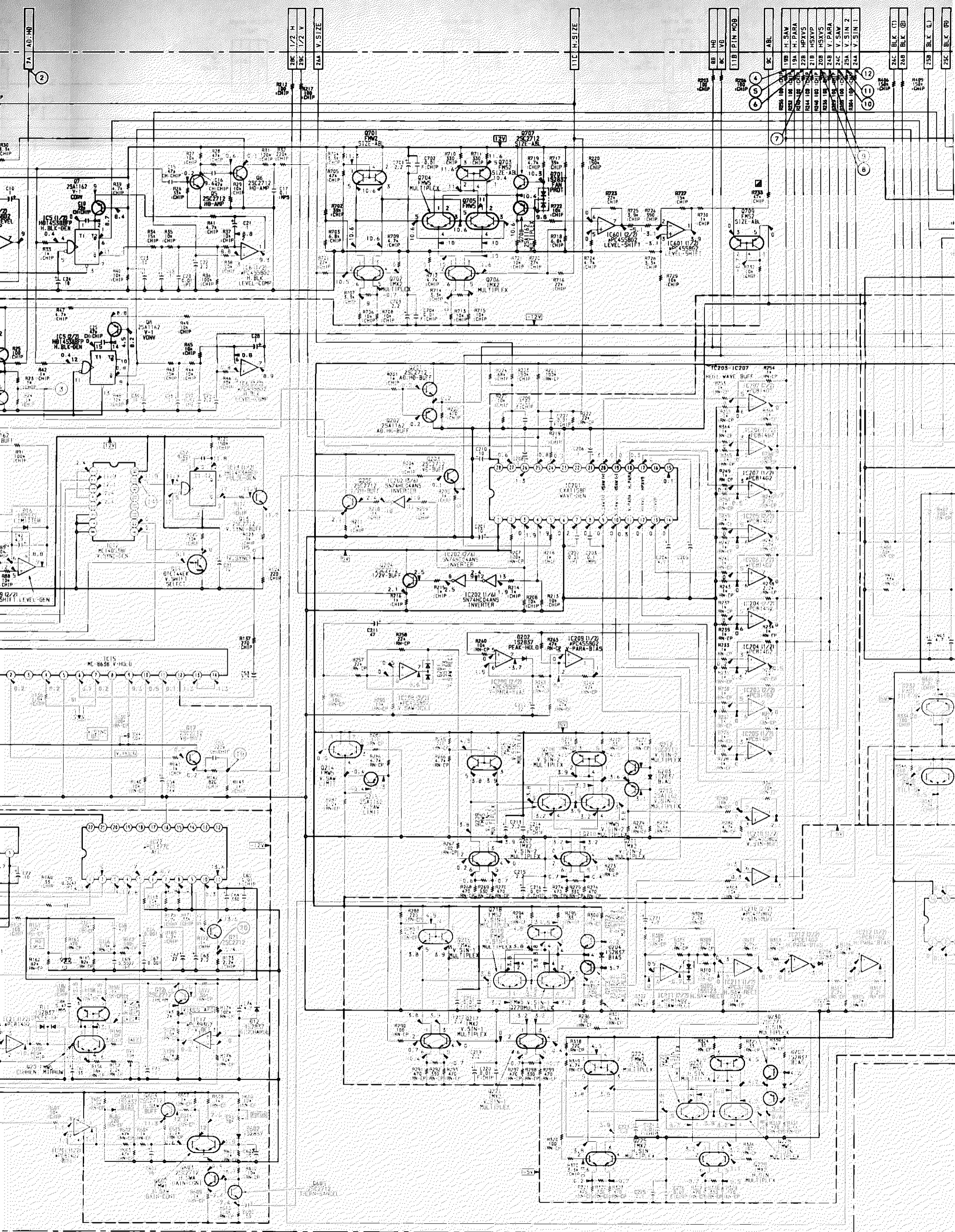
B-551550K/C2-CAR0

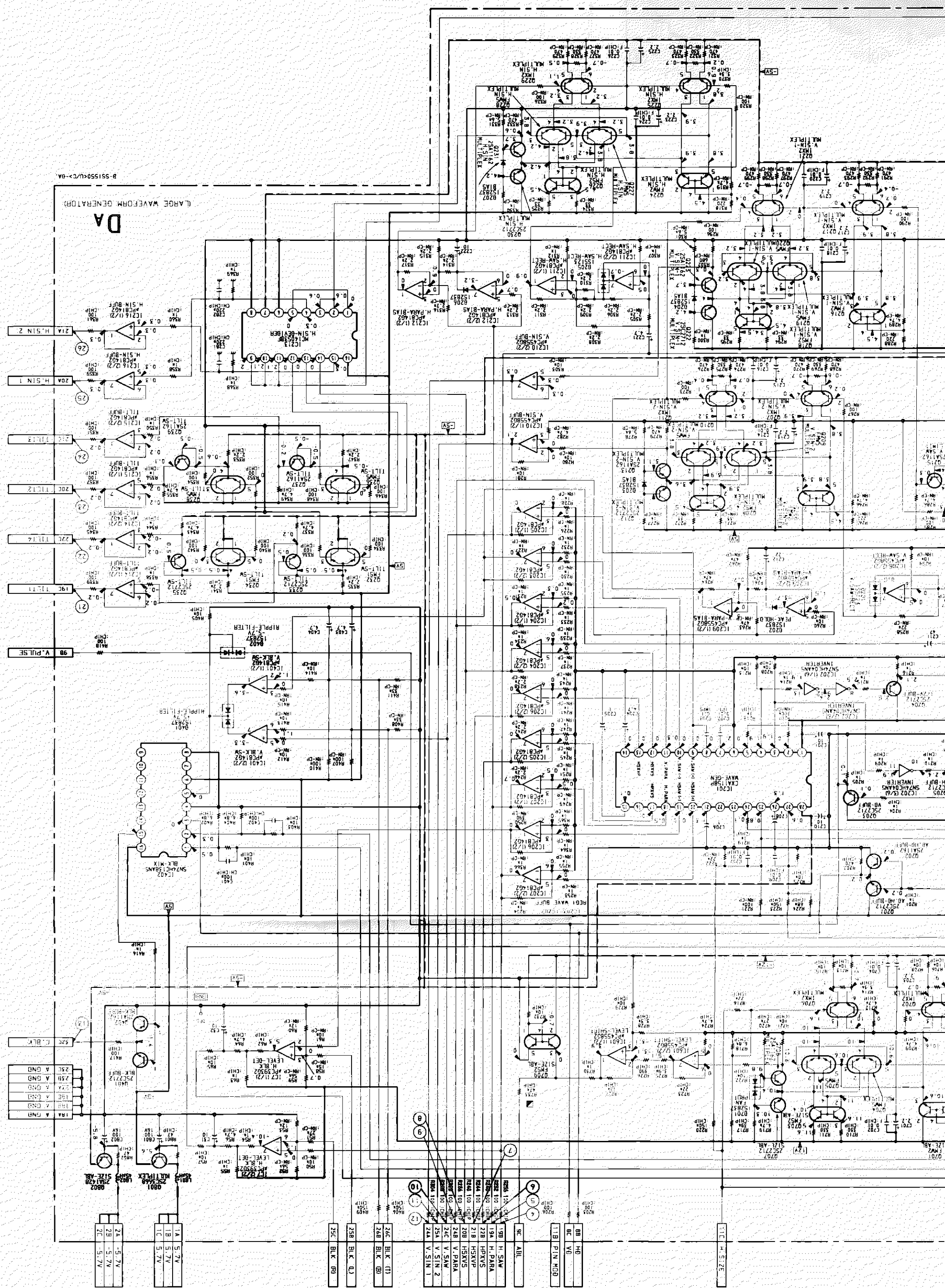


Schematic diagram



C101	C106	C240	C269	C251	C266
C102	C107	C254	C271	C253	C268
C103	C108	C256	C273	C255	C270
C104	C109	C258	C275	C257	C272
C105	C110	C260	C277	C259	C274
C106	C111	C262	C279	C261	C276
C107	C112	C264	C281	C263	C278
C108	C113	C266	C283	C265	C280
C109	C114	C268	C285	C267	C282
C110	C115	C270	C287	C269	C284
C111	C116	C272	C289	C271	C286
C112	C117	C274	C291	C273	C288
C113	C118	C276	C293	C275	C290
C114	C119	C278	C295	C277	C292
C115	C120	C280	C297	C279	C294
C116	C121	C282	C299	C281	C296
C117	C122	C284	C301	C283	C298
C118	C123	C286	C303	C285	C300
C119	C124	C288	C305	C287	C302
C120	C125	C290	C307	C289	C304
C121	C126	C292	C309	C291	C306
C122	C127	C294	C311	C293	C308
C123	C128	C296	C313	C295	C310
C124	C129	C298	C315	C297	C312
C125	C130	C300	C317	C299	C314
C126	C131	C302	C319	C301	C316
C127	C132	C304	C321	C303	C318
C128	C133	C306	C323	C305	C320
C129	C134	C308	C325	C307	C322
C130	C135	C310	C327	C309	C324
C131	C136	C312	C329	C311	C326
C132	C137	C314	C331	C313	C328
C133	C138	C316	C333	C315	C330
C134	C139	C318	C335	C317	C332
C135	C140	C320	C337	C319	C334
C136	C141	C322	C339	C321	C336
C137	C142	C324	C341	C323	C338
C138	C143	C326	C343	C325	C340
C139	C144	C328	C345	C327	C342
C140	C145	C330	C347	C329	C344
C141	C146	C332	C349	C331	C346
C142	C147	C334	C351	C333	C348
C143	C148	C336	C353	C335	C350
C144	C149	C338	C355	C337	C352
C145	C150	C340	C357	C339	C354
C146	C151	C342	C359	C341	C356
C147	C152	C344	C361	C343	C358
C148	C153	C346	C363	C345	C360
C149	C154	C348	C365	C347	C362
C150	C155	C350	C367	C349	C364
C151	C156	C352	C369	C351	C366
C152	C157	C354	C371	C353	C368
C153	C158	C356	C373	C355	C370
C154	C159	C358	C375	C357	C372
C155	C160	C360	C377	C359	C374
C156	C161	C362	C379	C361	C376
C157	C162	C364	C381	C363	C378
C158	C163	C366	C383	C365	C380
C159	C164	C368	C385	C367	C382
C160	C165	C370	C387	C369	C384
C161	C166	C372	C389	C371	C386
C162	C167	C374	C391	C373	C388
C163	C168	C376	C393	C375	C390
C164	C169	C378	C395	C377	C392
C165	C170	C380	C397	C379	C394



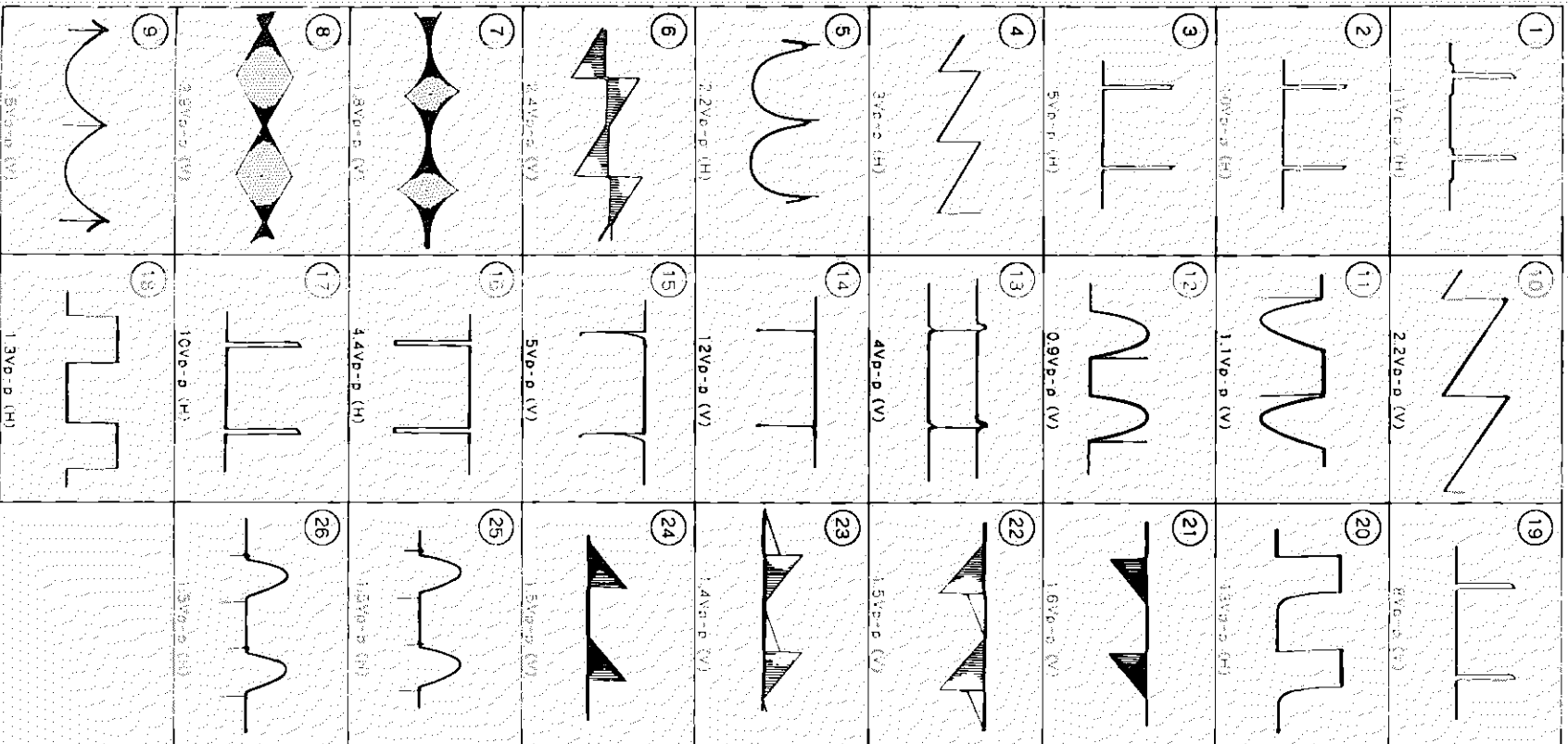


(LARGE WAVEFORM GENERATOR)
DA

24	-5.7V
25	-5.7V
26	-5.7V
27	-5.7V
28	BLK. GR.
29	BLK. GR.
30	BLK. GR.
31	BLK. GR.
32	BLK. GR.
33	BLK. GR.
34	BLK. GR.
35	BLK. GR.
36	BLK. GR.
37	BLK. GR.
38	BLK. GR.
39	BLK. GR.
40	BLK. GR.
41	BLK. GR.
42	BLK. GR.
43	BLK. GR.
44	BLK. GR.
45	BLK. GR.
46	BLK. GR.
47	BLK. GR.
48	BLK. GR.
49	BLK. GR.
50	BLK. GR.
51	BLK. GR.
52	BLK. GR.
53	BLK. GR.
54	BLK. GR.
55	BLK. GR.
56	BLK. GR.
57	BLK. GR.
58	BLK. GR.
59	BLK. GR.
60	BLK. GR.
61	BLK. GR.
62	BLK. GR.
63	BLK. GR.
64	BLK. GR.
65	BLK. GR.
66	BLK. GR.
67	BLK. GR.
68	BLK. GR.
69	BLK. GR.
70	BLK. GR.
71	BLK. GR.
72	BLK. GR.
73	BLK. GR.
74	BLK. GR.
75	BLK. GR.
76	BLK. GR.
77	BLK. GR.
78	BLK. GR.
79	BLK. GR.
80	BLK. GR.
81	BLK. GR.
82	BLK. GR.
83	BLK. GR.
84	BLK. GR.
85	BLK. GR.
86	BLK. GR.
87	BLK. GR.
88	BLK. GR.
89	BLK. GR.
90	BLK. GR.
91	BLK. GR.
92	BLK. GR.
93	BLK. GR.
94	BLK. GR.
95	BLK. GR.
96	BLK. GR.
97	BLK. GR.
98	BLK. GR.
99	BLK. GR.
100	BLK. GR.

IC	IC201	IC202	IC203	IC204	IC205	IC206	IC207	IC208	IC209	IC210	IC211	IC212
REG. WAVE. BUFF.	WAVE-GEN.	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER
IC	IC213	IC214	IC215	IC216	IC217	IC218	IC219	IC220	IC221	IC222	IC223	IC224
REG. WAVE. BUFF.	WAVE-GEN.	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER

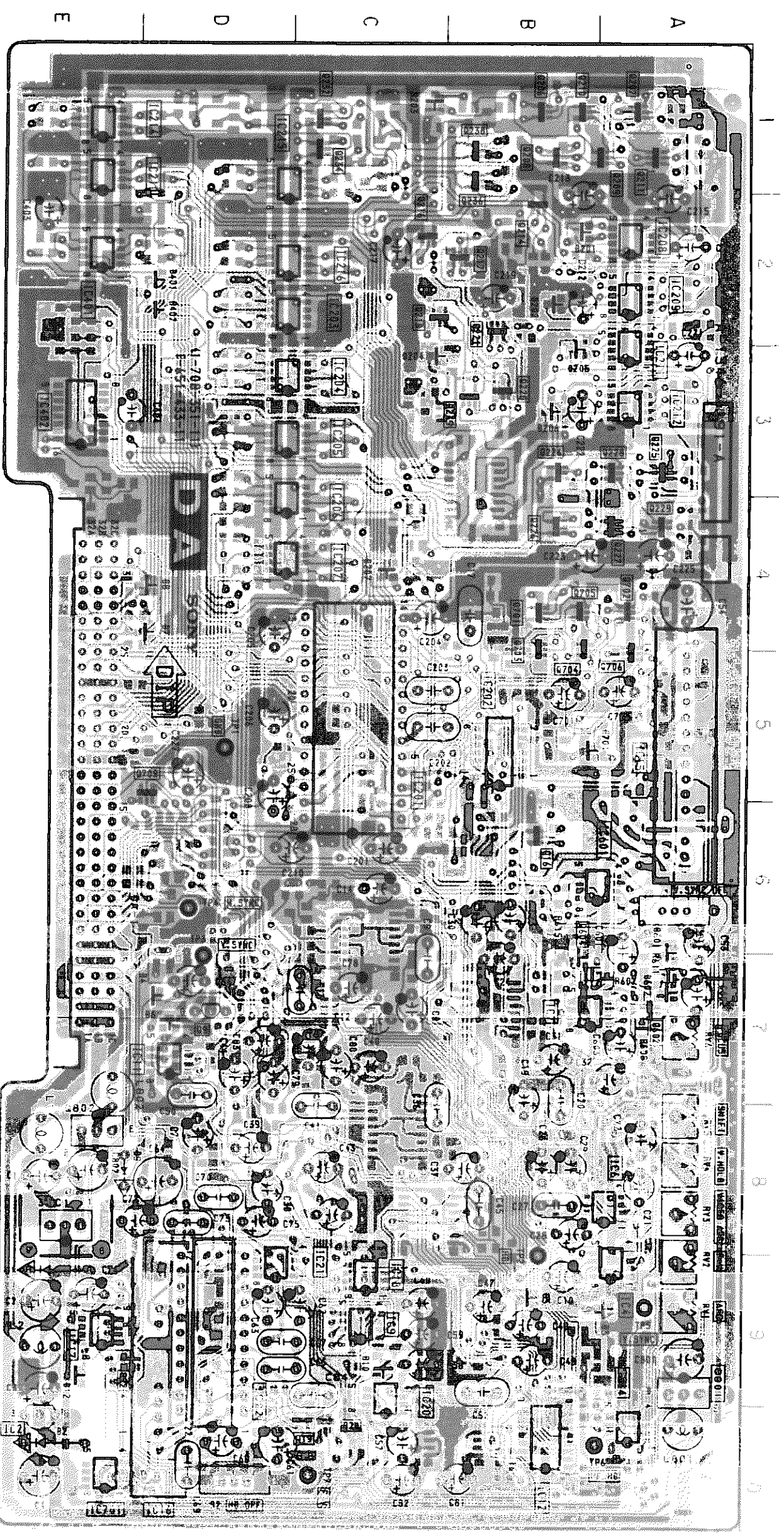
DA BOARD



DA BOARD (COMPONENT SIDE)

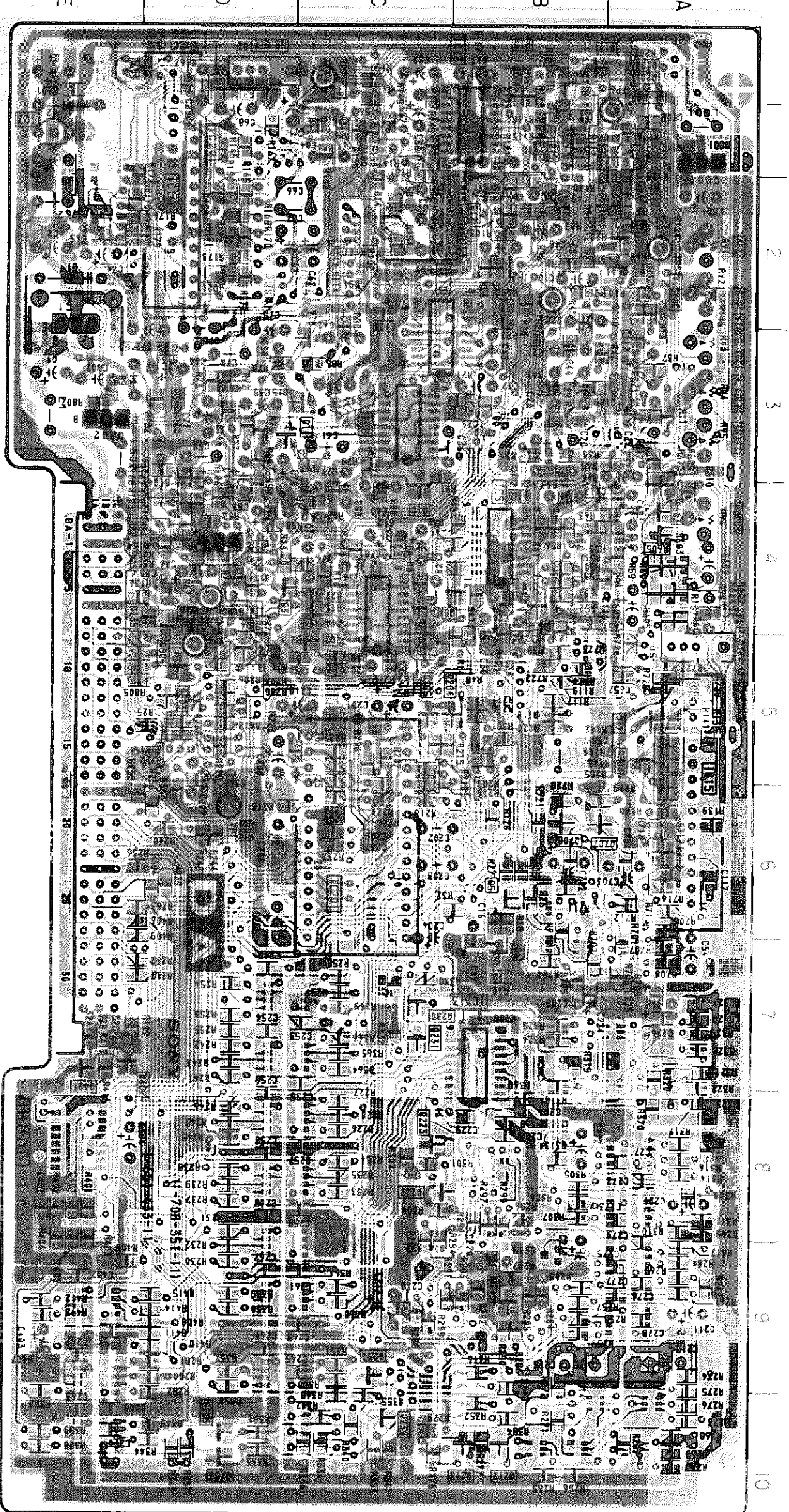
IC		DIODE	
IC1	E-8	Q221	B-2
IC2	E-10	Q224	B-3
IC3	A-9	Q225	A-3
IC4	A-9	Q226	B-4
IC5	A-8	Q227	A-4
IC6	B-7	Q228	A-3
IC7	C-9	Q229	A-4
IC8	D-7	Q232	C-1
IC9	B-10	Q234	C-1
IC10	A-10	Q236	B-1
IC11	A-5	Q238	B-1
IC12	D-9	O602	A-7
IC13	E-9	O604	B-7
IC14	E-9	O701	B-4
IC15	C-9	O702	A-4
IC16	C-9	O703	B-5
IC17	D-9	O704	B-5
IC18	D-9	O705	B-4
IC19	C-5	O706	A-5
IC20	B-5	O709	D-5
IC21	A-6	O801	A-9
IC22	E-10	O802	E-8
IC201	D-2	D1	E-9
IC202	D-2	D2	E-10
IC203	D-2	D3	A-9
IC204	D-3	D4	D-7
IC205	D-3	D5	B-9
IC206	D-4	D6	D-7
IC207	D-4	D7	D-4
IC208	A-2	D8	D-4
IC209	A-2	D9	E-8
IC210	E-1	D10	C-9
IC211	A-3	D12	E-9
IC212	A-3	D201	B-2
IC214	E-1	D202	B-2
IC215	D-1	D203	C-1
IC216	C-2	D204	C-3
IC401	E-2	D205	B-3
IC402	E-3	D206	B-3
IC601	A-6	D207	C-4
IC701	E-10	D401	D-2
		D402	D-2
		O601	A-7
		D602	A-7
		D701	B-5
TRANSISTOR			
Q9	E-7	RV1	A-9
Q16	B-6	RV2	A-9
Q19	C-10	RV3	A-8
Q20	C-10	RV4	A-8
Q22	E-9	RV5	A-8
Q206	B-1	RV6	A-7
Q207	A-1		
Q208	B-1		
Q209	A-1		
Q210	B-1		
Q211	A-1		
Q214	B-2		
Q216	C-2		
Q217	B-2		
Q218	C-2		
Q219	B-3		
Q220	B-3		
VARIABLE RESISTOR			

DA BOARD - Component Side



DA BOARD (COMPONENT SIDE)	
IC	Q221 B-2 Q224 B-3 Q225 A-3 Q226 B-4 Q227 A-4 Q228 A-3 Q229 A-4 Q232 C-1 Q234 C-1 Q236 B-1 Q238 A-7 Q602 B-7 Q604 B-4 Q701 B-4 Q702 A-4 Q703 B-5 Q704 B-5 Q705 B-4 Q706 B-4 Q709 D-5 Q801 A-9 Q802 E-8
DIODE	D1 E-9 D2 E-10 D3 A-9 D4 D-7 D5 B-9 D6 D-7 D7 D-4 D8 D-4 D9 E-8 D10 E-8 D12 E-9 D201 B-2 D202 B-2 D203 C-1 D204 C-3 D205 B-3 D206 B-3 D207 C-4 D401 D-2 D402 D-2 D601 A-7 D602 A-7 D701 B-5
TRANSISTOR	Q9 E-7 Q16 B-6 Q19 C-10 Q20 C-10 Q22 E-9 Q206 B-1 Q207 A-1 Q208 B-1 Q210 A-1 Q211 A-1 Q214 B-2 Q216 C-2 Q217 B-2 Q218 C-2 Q219 B-3 Q220 B-3
VARIABLE RESISTOR	RV1 A-9 RV2 A-8 RV3 A-8 RV4 A-8 RV5 A-8 RV6 A-7

< Conductor Side >



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

DA BOARD
(CONDUCTOR SIDE)

IC		DIODE	
IC1	E-2	Q212	B-10
IC2	E-1	Q213	B-10
IC3	C-4	Q215	B-9
IC5	B-4	Q222	C-8
IC8	C-3	Q223	C-8
IC10	C-2	Q230	C-7
IC13	A-5	Q231	C-7
IC15	B-1	Q233	D-10
IC16	D-2	Q235	D-10
IC22	D-1	Q237	C-9
IC201	C-6	Q239	C-10
IC213	B-7	Q401	E-7
		Q402	E-7
		Q603	A-4
		Q605	A-4
		Q707	B-6
		Q708	B-6
		Q801	A-1
		Q802	E-3
		Q803	D-5
TRANSISTOR		VARIABLE RESISTOR	
Q1	A-2	D1	E-2
Q2	C-5	D2	E-1
Q3	D-4	D9	E-3
Q4	D-5	D11	C-1
Q5	B-6	D13	C-2
Q6	B-7	D15	D-3
Q7	B-4	D16	C-3
Q8	B-4		
Q9	D-4		
Q10	C-4		
Q11	C-3		
Q12	B-2		
Q13	B-1		
Q14	B-1		
Q15	B-1		
Q17	A-5		
Q18	D-4		
Q21	D-2	RV1	A-2
Q201	B-1	RV2	A-2
Q202	B-1	RV3	A-3
Q203	A-5	RV4	A-3
Q204	B-5	RV5	A-3
Q205	C-5	RV6	A-4

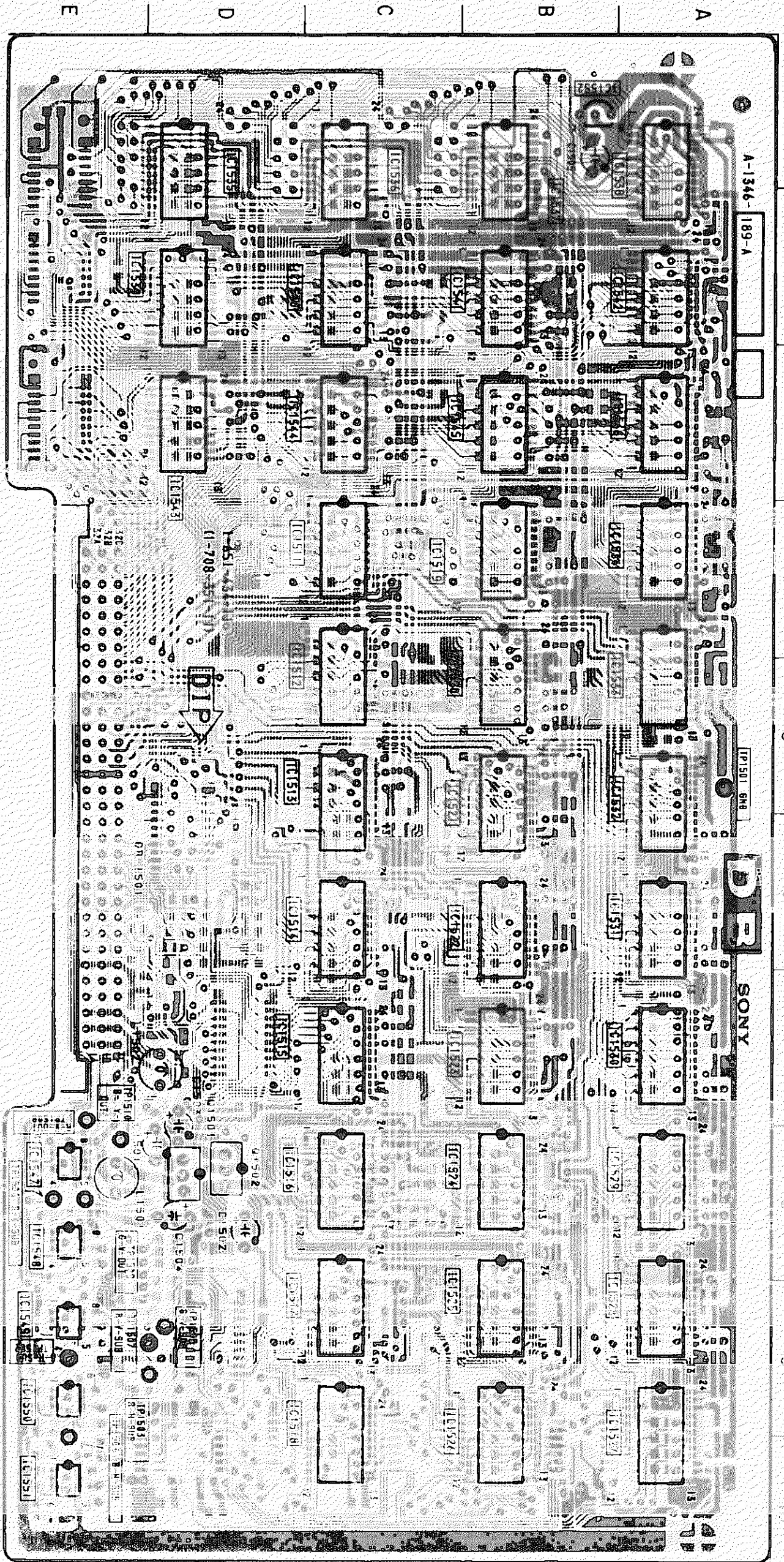
DB
[ELECTRONIC VR]

DB BOARD
(COMPONENT SIDE)

- DB BOARD - < Component Side >

IC	
IC1511	C4
IC1512	C5
IC1513	C5
IC1514	C6
IC1515	C7
IC1516	C8
IC1517	C9
IC1518	C-10
IC1519	B4
IC1520	B5
IC1521	B5
IC1522	B6
IC1523	B-7
IC1524	B-8
IC1525	B-9
IC1526	B-10
IC1527	A-10
IC1528	A-9
IC1529	A-8
IC1530	A-7
IC1531	A-6
IC1532	A-5
IC1533	A-5
IC1534	A-4
IC1535	D-1
IC1536	C-1
IC1537	B-1
IC1538	A-1
IC1539	D-2
IC1540	C-2
IC1541	B-2
IC1542	A-2
IC1543	D-3
IC1544	C-3
IC1545	B-3
IC1546	A-3
IC1547	E-8
IC1548	E-8
IC1549	E-9
IC1550	E-9
IC1551	E-10
IC1552	B-1

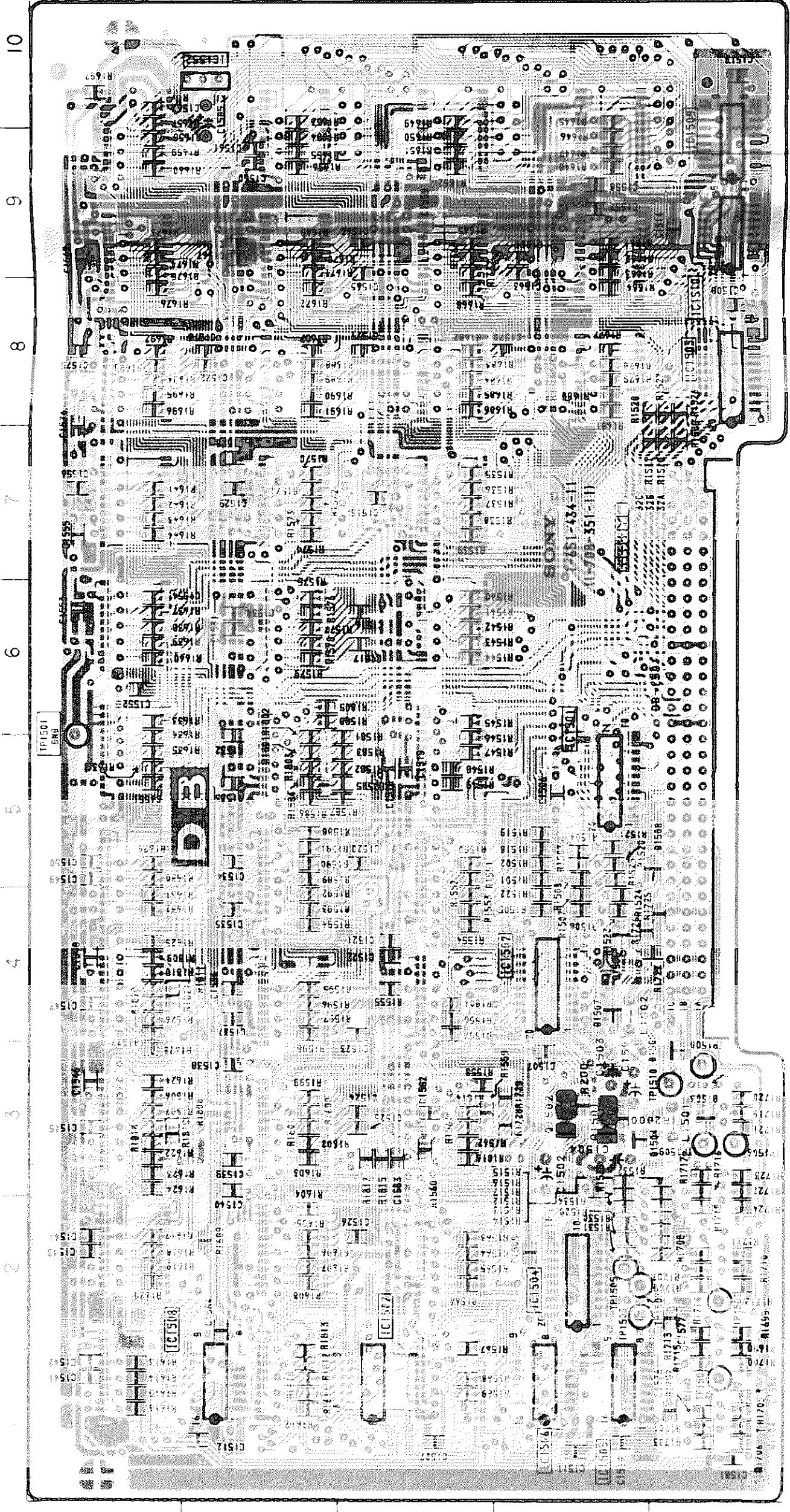
TRANSISTOR	
Q1501	D-8
Q1502	D-8



DB BOARD
(CONDUCTOR SIDE)




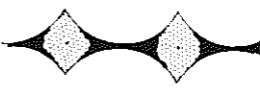
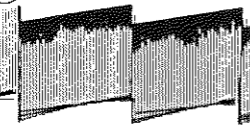
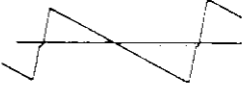


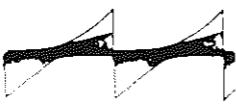

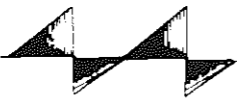


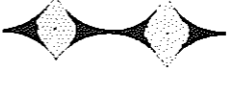


IC	
IC1501	D-5
IC1502	D-4
IC1503	E-8
IC1504	D-2
IC1505	D-1
IC1506	D-1
IC1507	C-1
IC1508	B-1
IC1509	E-9
IC1510	E-9
IC1552	B-10
TRANSISTOR	
Q1501	D-3
Q1502	D-3
DIODE	
D1503	E-3
D1504	D-3
D1505	E-3
D1506	D-4
D1507	D-4
D1508	E-5

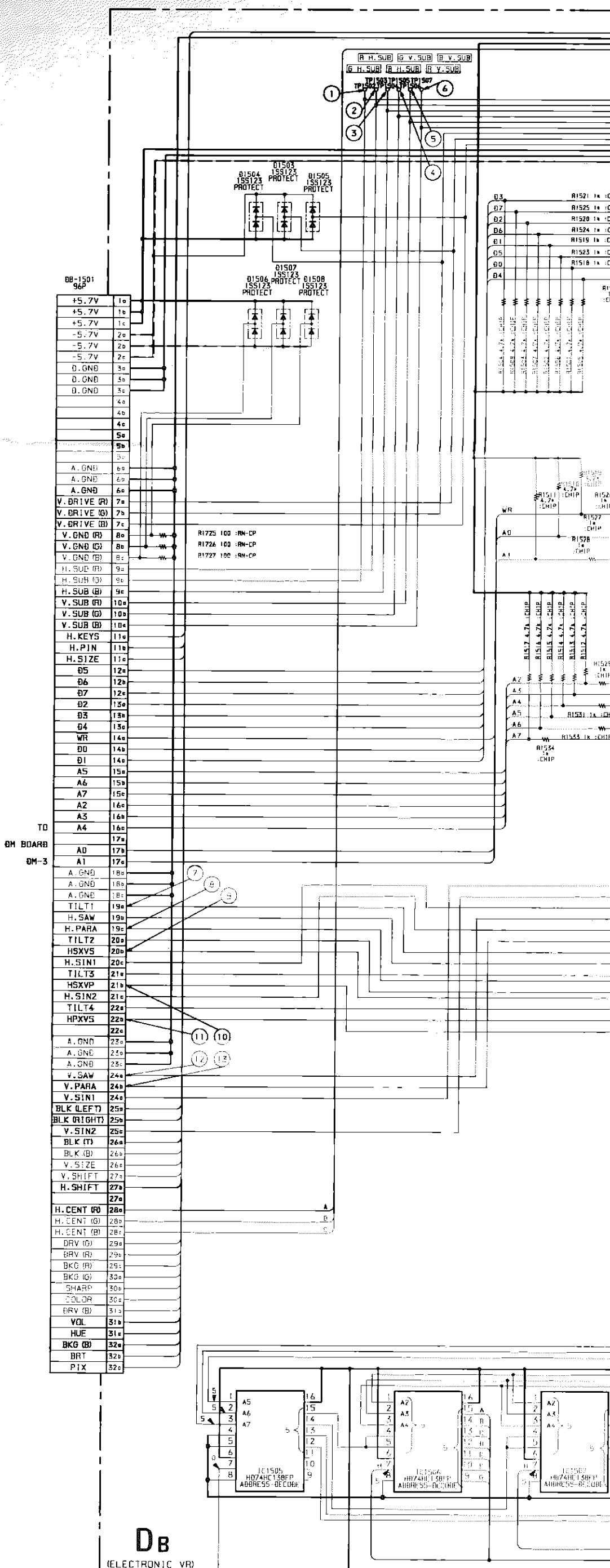
< Conductor Side >



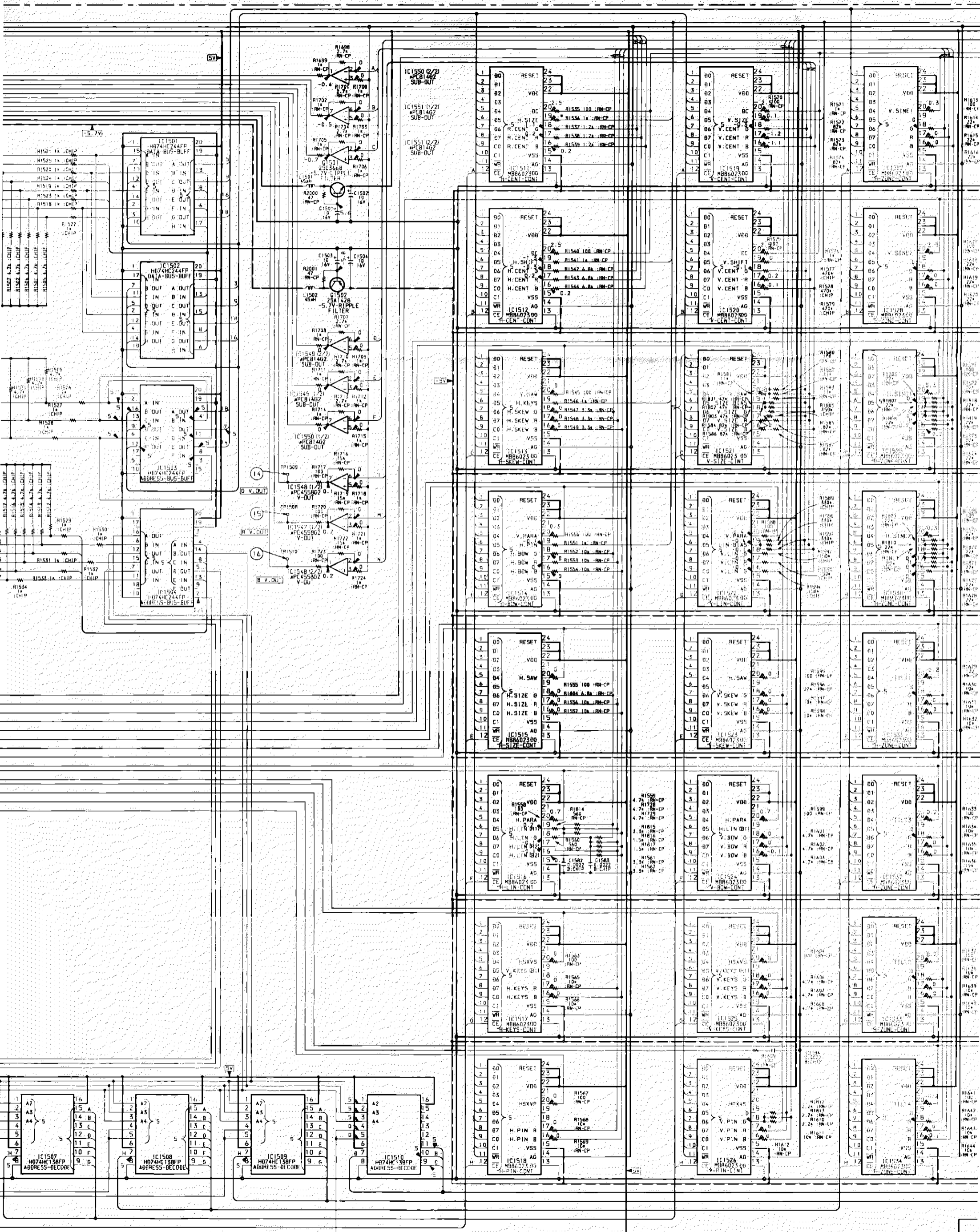
• : Pattern from the side which enables seeing.
• : Pattern of the rear side.

DB BOARD

<p>1</p>  <p>0.5V_{p-p} (H)</p>	<p>9</p>  <p>2.9V_{p-p} (V)</p>
<p>2</p>  <p>0.5V_{p-p} (H)</p>	<p>10</p>  <p>1.8V_{p-p} (V)</p>
<p>3</p>  <p>0.7V_{p-p} (H)</p>	<p>11</p>  <p>2.5V_{p-p} (V)</p>
<p>4</p>  <p>0.7V_{p-p} (V)</p>	<p>12</p>  <p>2.4V_{p-p} (V)</p>
<p>5</p>  <p>1V_{p-p} (V)</p>	<p>13</p>  <p>1.5V_{p-p} (V)</p>
<p>6</p>  <p>0.75V_{p-p} (V)</p>	<p>14</p>  <p>3.9V_{p-p} (V)</p>
<p>7</p>  <p>3V_{p-p} (H)</p>	<p>15</p>  <p>3.9V_{p-p} (V)</p>
<p>8</p>  <p>2.4V_{p-p} (H)</p>	<p>16</p>  <p>4V_{p-p} (V)</p>

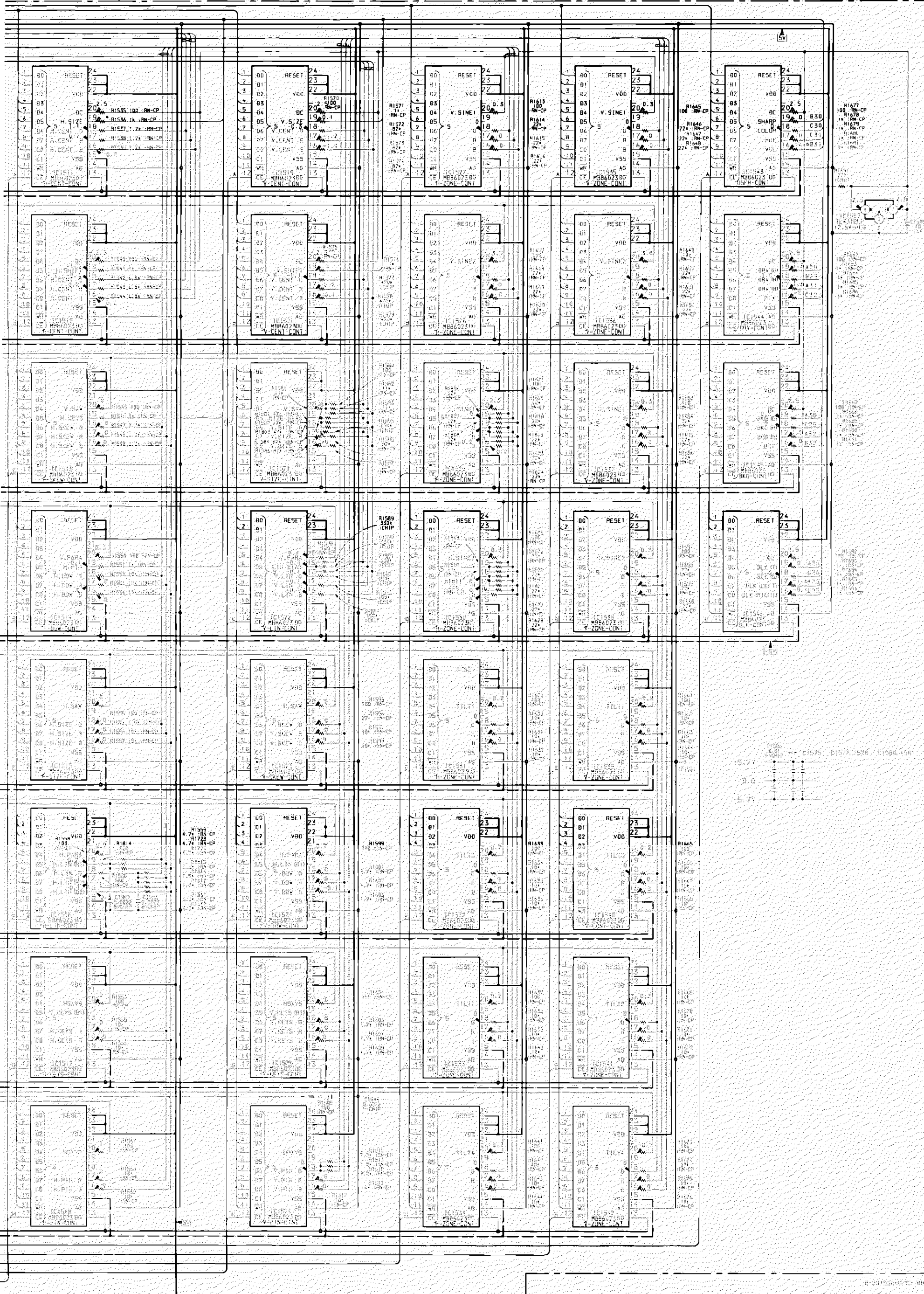


DB
(ELECTRONIC VR)



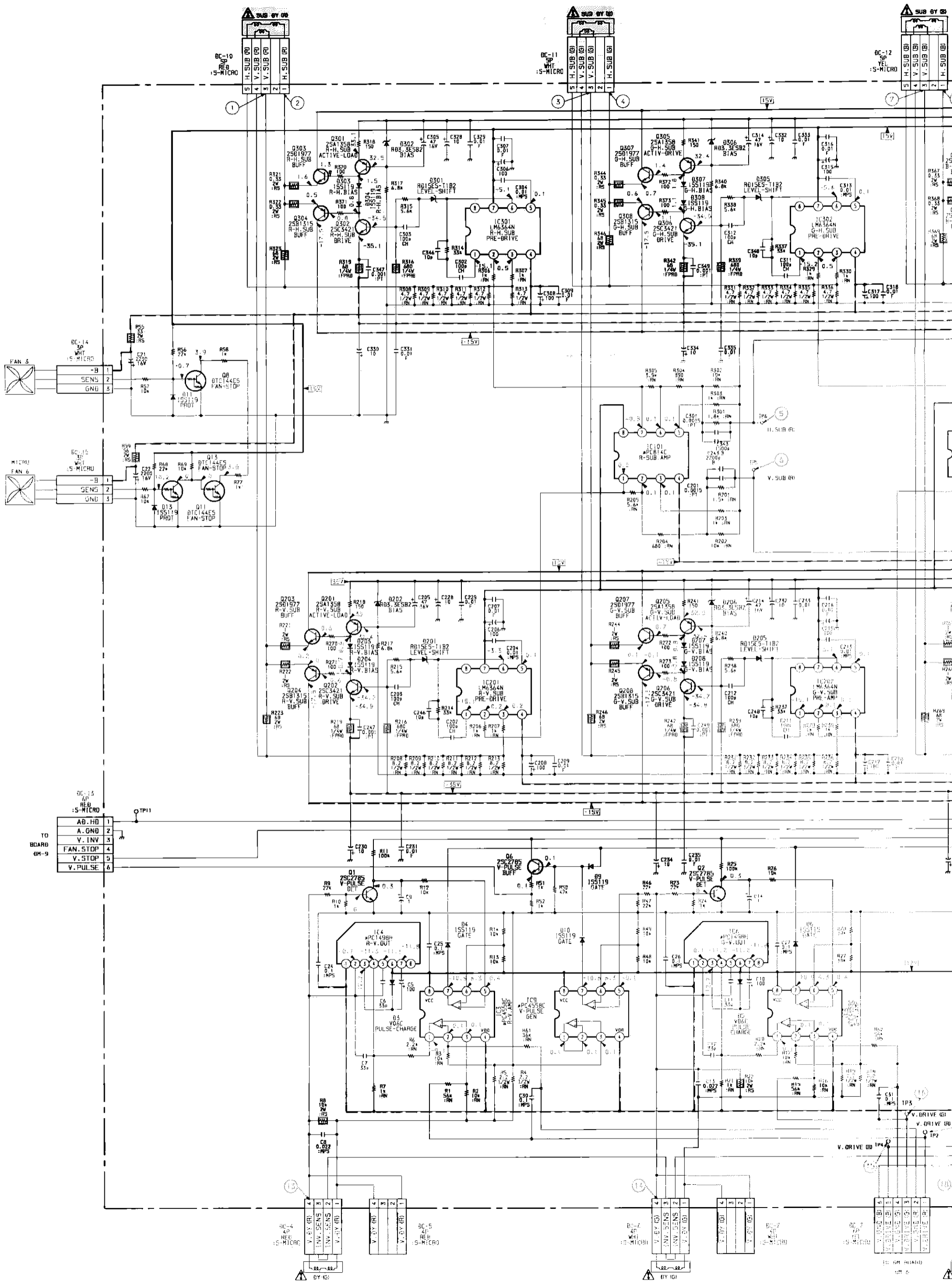
Schematic diagram

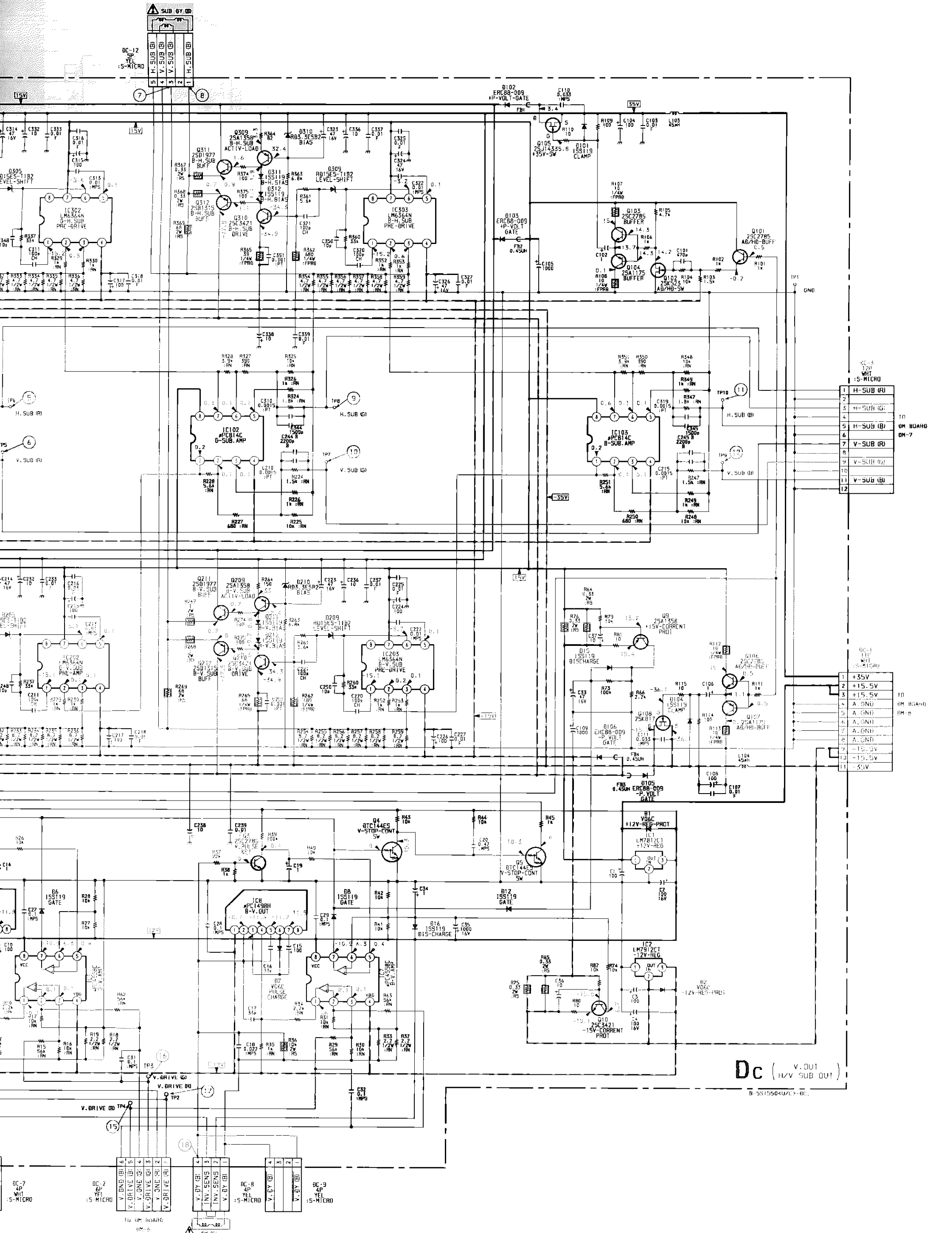
← DB board



Schematic diagram

Schematic diagram





DC-4
4P
WHI
5-MICRO

1	H-SUB (R)
2	WHI
3	H-SUB (G)
4	H-SUB (B)
5	H-SUB (B)
6	V-SUB (R)
7	V-SUB (G)
8	V-SUB (B)
9	V-SUB (B)
10	V-SUB (B)
11	V-SUB (B)
12	V-SUB (B)

TO BOARD
BM-7

DC-1
4P
WHI
5-MICRO

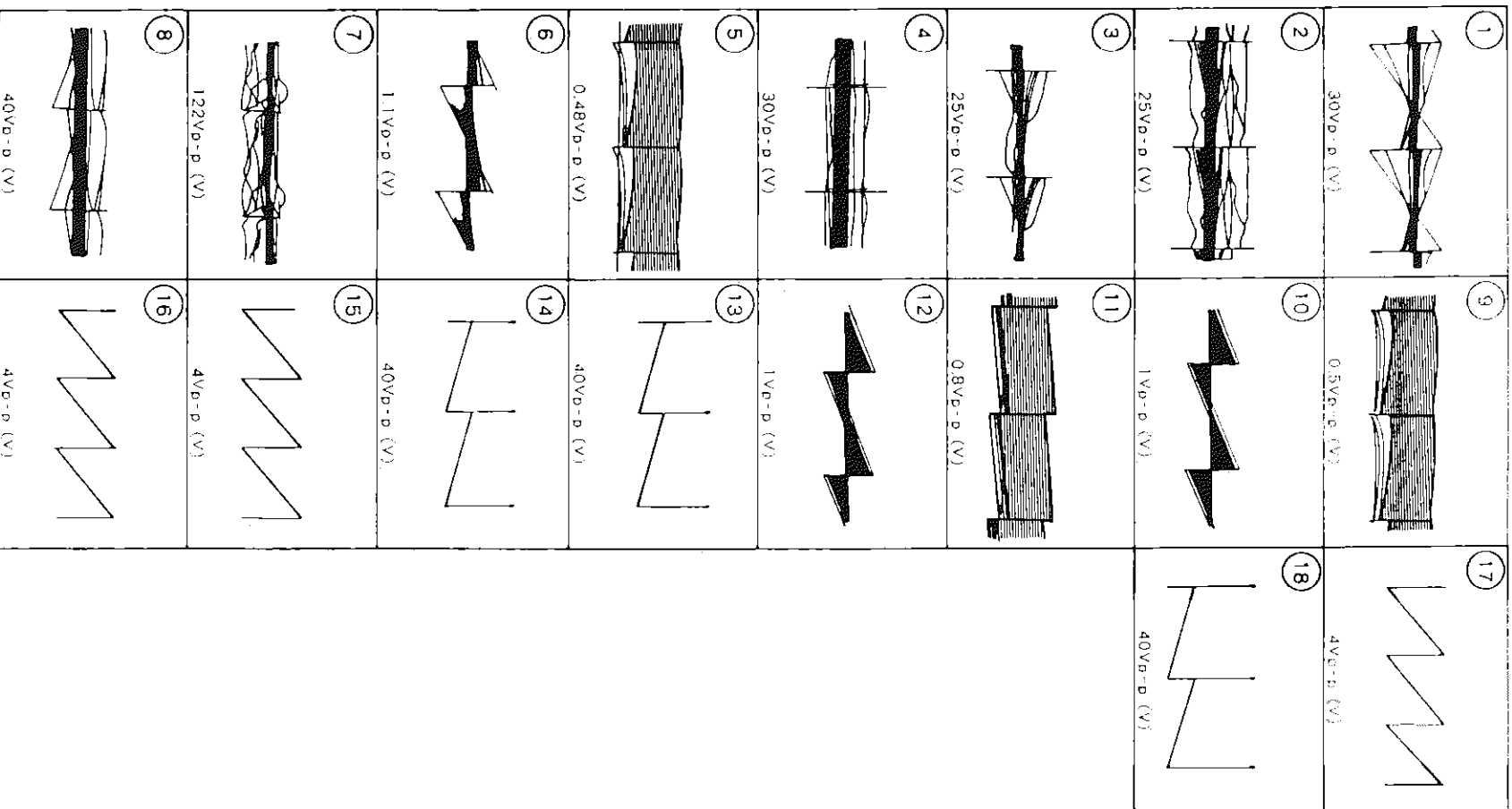
1	+35V
2	+15.5V
3	+15.5V
4	A. GND
5	A. GND
6	A. GND
7	A. GND
8	A. GND
9	-15.5V
10	-15.5V
11	-50V

TO BOARD
BM-8

DC (V. OUT (H/V SUB OUT))

B-551550-01/C-01

DC BOARD



E BOARD

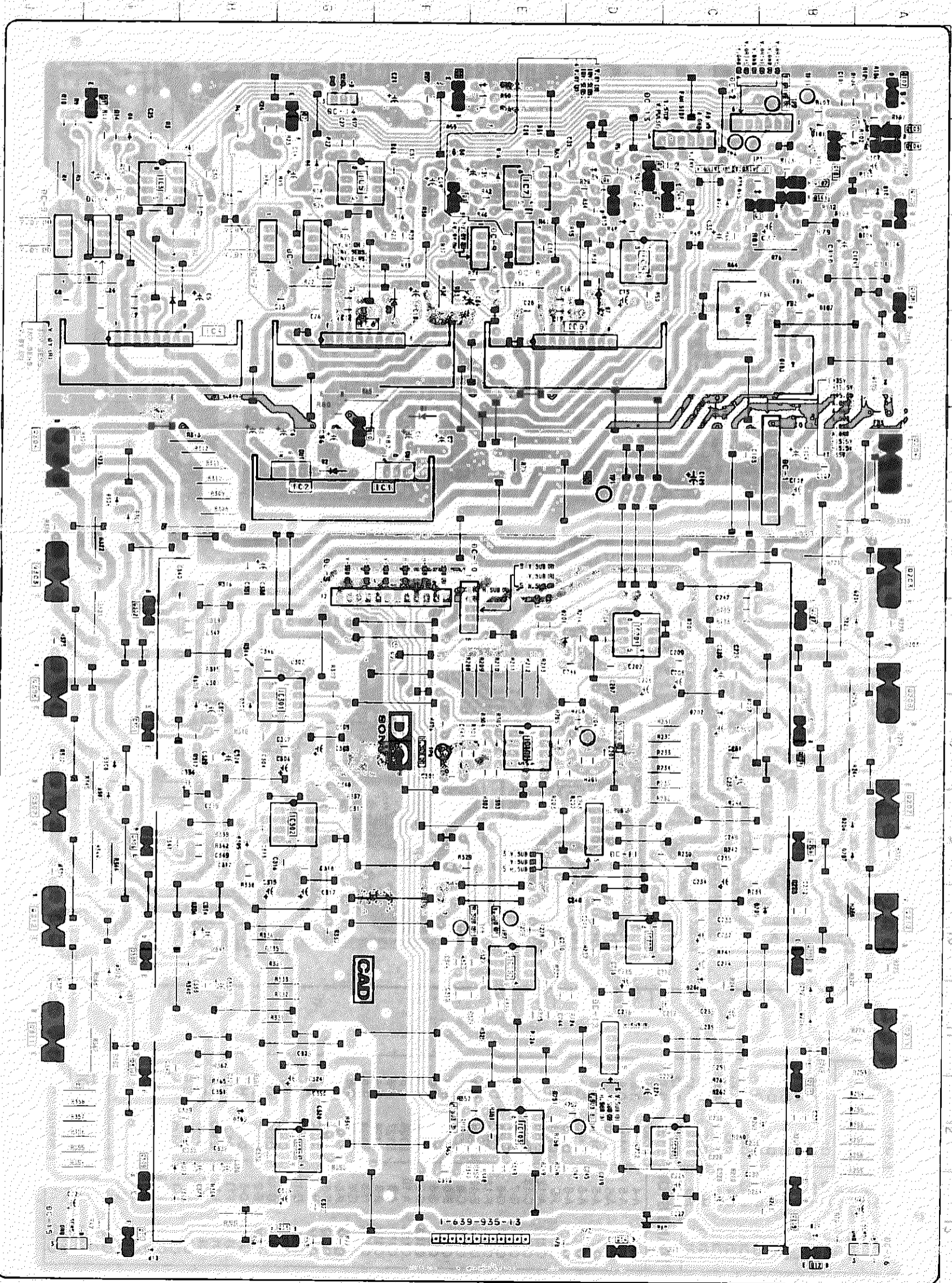
IC		DIODE	
IC1	B-1	Q144	I-11
IC2	C-2	Q145	I-10
IC3	C-3	Q146	I-9
IC101	F-6	Q147	I-9
IC103	G-10	Q148	H-9
IC104	G-10	D1	J-4
IC105	F-10	D7	B-10
IC106	G-9	D8	A-10
IC107	F-12	D9	C-9
IC108	F-13	D10	C-9
IC109	G-13	D11	D-12
IC110	G-12	D12	C-11
IC111	D-4	D13	B-12
IC112	B-6	D14	A-13
IC113	H-12	D15	D-10
IC114	F-8	D103	F-13
		D104	F-12
		D105	G-12
		D106	G-13
		D107	B-6
		D109	C-6
		D110	B-7
		D111	B-6
		D112	C-8
		D113	G-5
		D114	B-7
		D115	B-7
		D116	I-6
		D117	I-12
		D118	I-12
		D119	J-10
		D120	D-4
		D121	I-13
		D122	E-2
		D123	B-6
		D124	G-8
		D126	B-8
		D127	B-8
		D128	B-8
		D129	B-8
		D130	B-8
		D131	G-7
		D132	G-6
		D133	I-10
		D134	J-9
		D135	J-9
		D136	I-9
		D137	J-8
		D138	H-9
		D139	F-8
		D140	F-6
		D141	G-6
		D142	G-6
		D143	F-8
		D144	I-4
		D145	B-7
		D146	I-11
		D149	I-11
		VARIABLE RESISTOR	
		RV101	H-8

DC

IV. OUT. HV SUB OUT I

- DC BOARD -

IC		DIODE	
IC1	F-5	Q304	J-5
IC2	G-5	Q305	I-10
IC3	I-2	Q308	J-9
IC4	H-4	Q309	I-13
IC5	G-2	Q310	H-11
IC6	G-4	Q311	J-11
IC7	E-2	Q312	J-10
IC8	D-4		
IC9	D-3		
IC101	E-8	D1	F-5
IC102	E-10	D2	G-5
IC103	E-12	D3	I-2
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
		D10	D-3
TRANSISTOR		D11	E-1
O1	I-1	D12	C-2
O2	G-1	D13	I-13
O3	F-2	D15	C-2
O4	C-2	D16	E-2
O5	D-2	D101	A-2
O6	D-2	D102	B-3
O8	F-1	D103	B-4
O9	B-2	D104	A-3
O10	G-5	D105	A-4
O11	I-13	D106	C-4
O13	G-13	D201	D-7
O101	B-2	D202	C-8
O102	A-1	D203	A-7
O103	A-2	D204	A-7
O104	A-2	D205	B-10
O105	A-2	D206	C-11
O106	B-2	D207	A-9
O107	B-2	D208	A-9
O108	B-8	D209	B-12
O201	B-8	D210	C-13
O202	B-7	D211	B-11
O203	A-6	D212	B-11
O204	A-5	D301	H-8
O205	B-10	D302	H-8
O206	B-9	D303	I-6
O207	A-9	D304	I-6
O208	A-8	D305	H-9
O209	B-13	D306	H-10
O210	B-12	D307	I-9
O211	A-11	D308	I-8
O212	A-10	D309	H-12
O301	I-8	D310	H-13
O302	I-7	D311	I-11
O303	J-6	D312	I-10

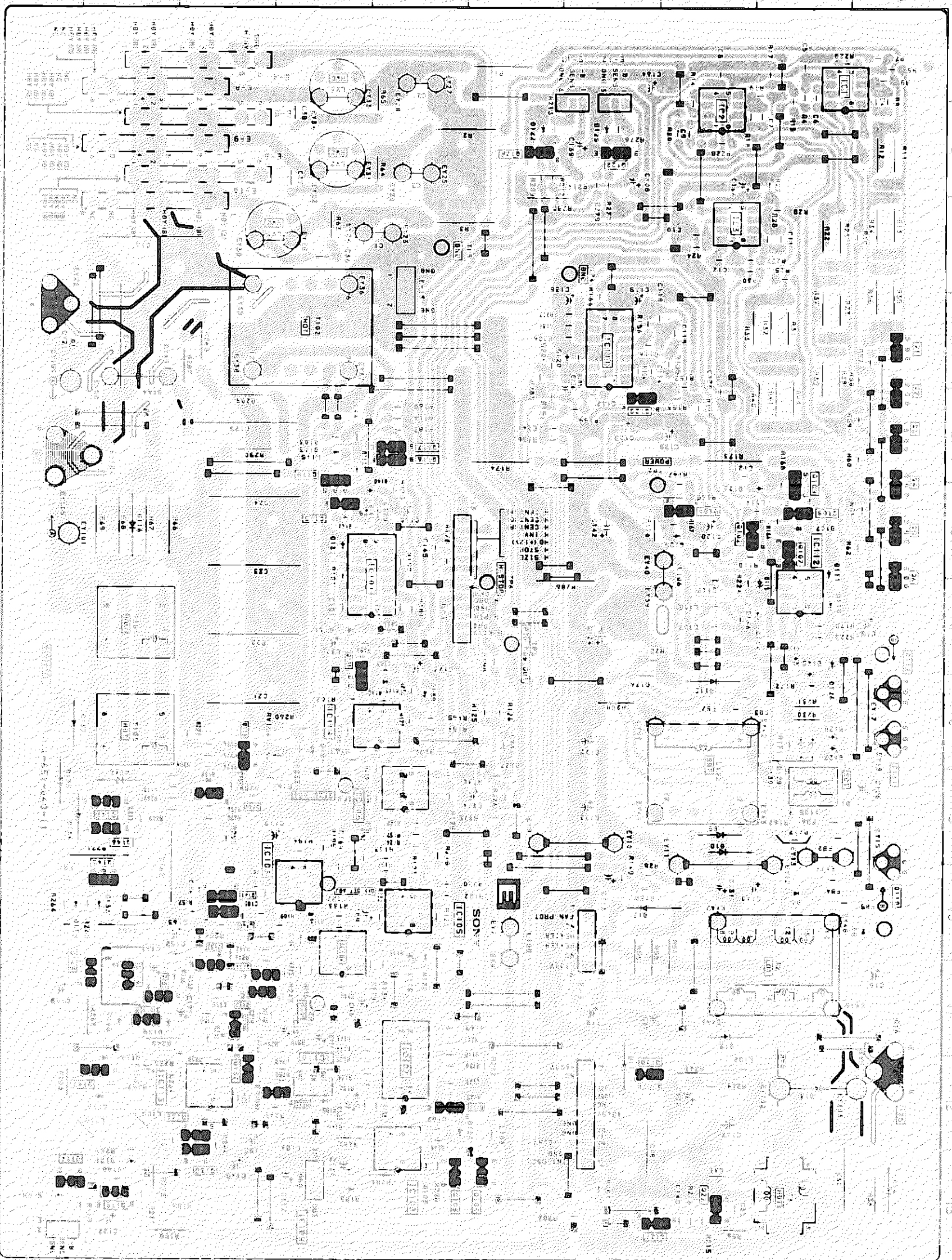


E (H OUT)

- E BOARD -

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

IC		Q144	I-11
IC1	B-1	Q145	I-10
IC2	C-2	Q146	I-9
IC3	C-3	Q147	I-9
IC101	F-6	Q148	H-9
IC103	G-10		
IC104	G-10		
IC105	F-10		
IC106	G-9		
IC107	F-12		
IC108	F-12		
IC109	G-13		
IC110	G-12		
IC111	D-4		
IC112	B-6		
IC113	H-12		
IC114	F-8		
TRANSISTOR			
Q1	A-4	D1	J-4
Q2	A-5	D7	B-10
Q3	A-5	D8	A-10
Q4	A-5	D9	C-9
Q5	A-6	D10	C-9
Q6	A-6	D11	D-12
Q7	J-5	D12	C-11
Q21	A-12	D13	B-12
Q22	C-13	D14	D-4
Q101	G-7	D15	A-13
Q102	C-6	D16	B-7
Q103	F-13	D17	I-12
Q104	E-13	D18	I-12
Q106	C-6	D19	J-10
Q107	B-6	D20	D-4
Q108	B-6	D21	I-13
Q109	B-6	D22	E-2
Q110	A-10	D23	G-8
Q111	A-8	D24	B-6
Q112	A-8	D25	B-8
Q113	H-8	D26	B-8
Q115	G-6	D27	B-8
Q116	F-5	D28	B-8
Q117	F-5	D29	B-8
Q118	G-5	D30	B-8
Q120	D-12	D31	G-7
Q121	F-12	D32	G-6
Q122	D-13	D33	I-10
Q128	E-2	D34	J-9
Q129	D-5	D35	J-9
Q130	I-11	D36	I-9
Q131	I-11	D37	J-8
Q132	H-11	D38	H-9
Q133	H-11	D39	F-8
Q134	H-11	D40	F-6
Q135	H-13	D41	G-6
Q136	H-12	D42	G-6
Q137	H-12	D43	F-8
Q138	G-12	D44	I-4
Q139	H-11	D45	B-7
Q140	H-10	D46	I-11
Q141	H-10	D49	I-11
Q142	I-12		
Q143	I-11		
		VARIABLE RESISTOR	
		RV101	H-8

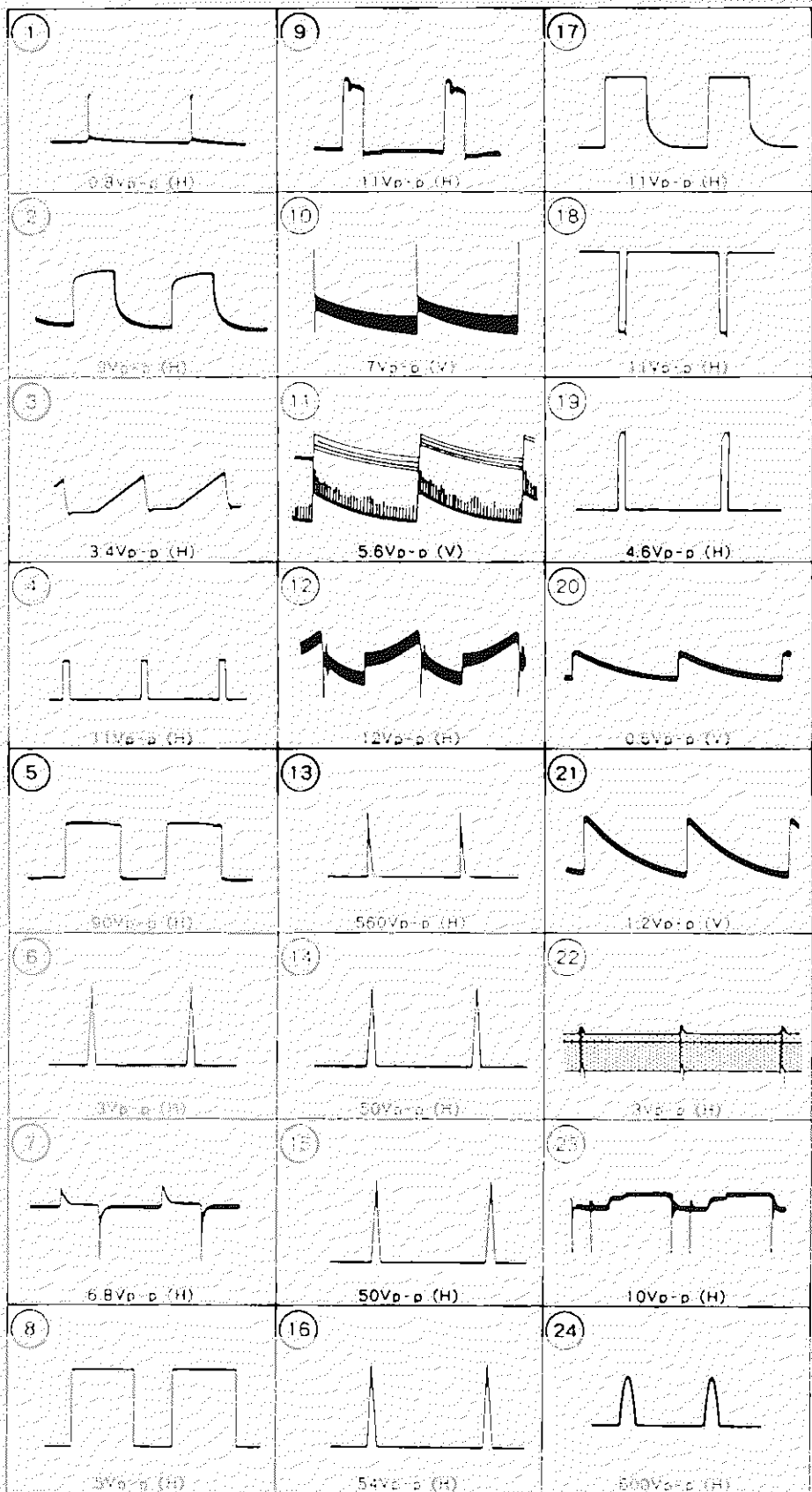


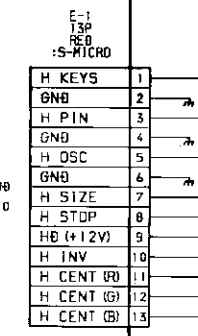
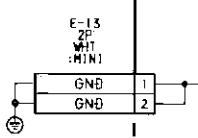
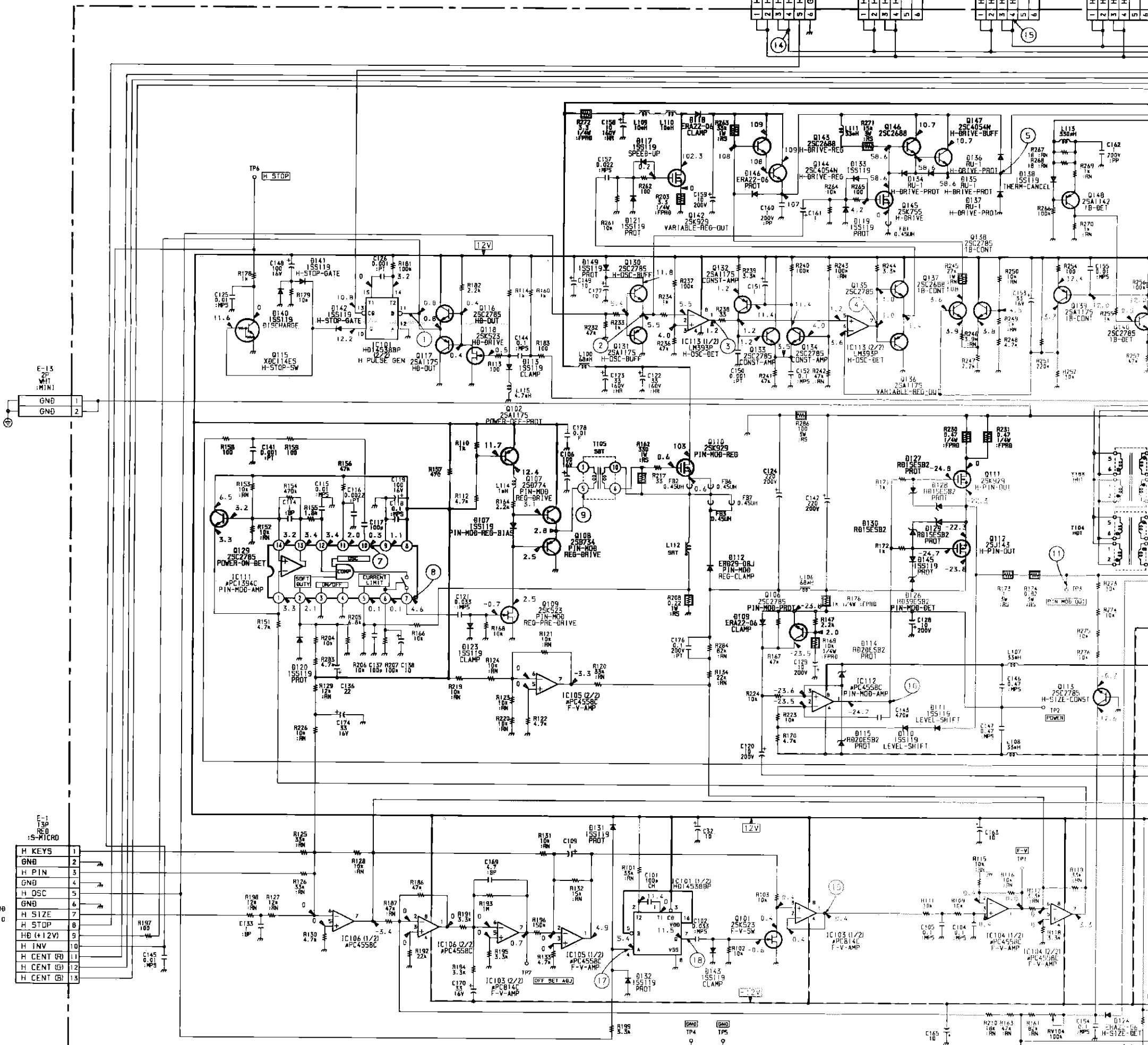
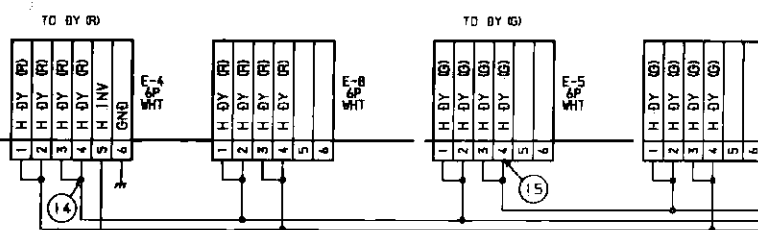
E BOARD

E BOARD

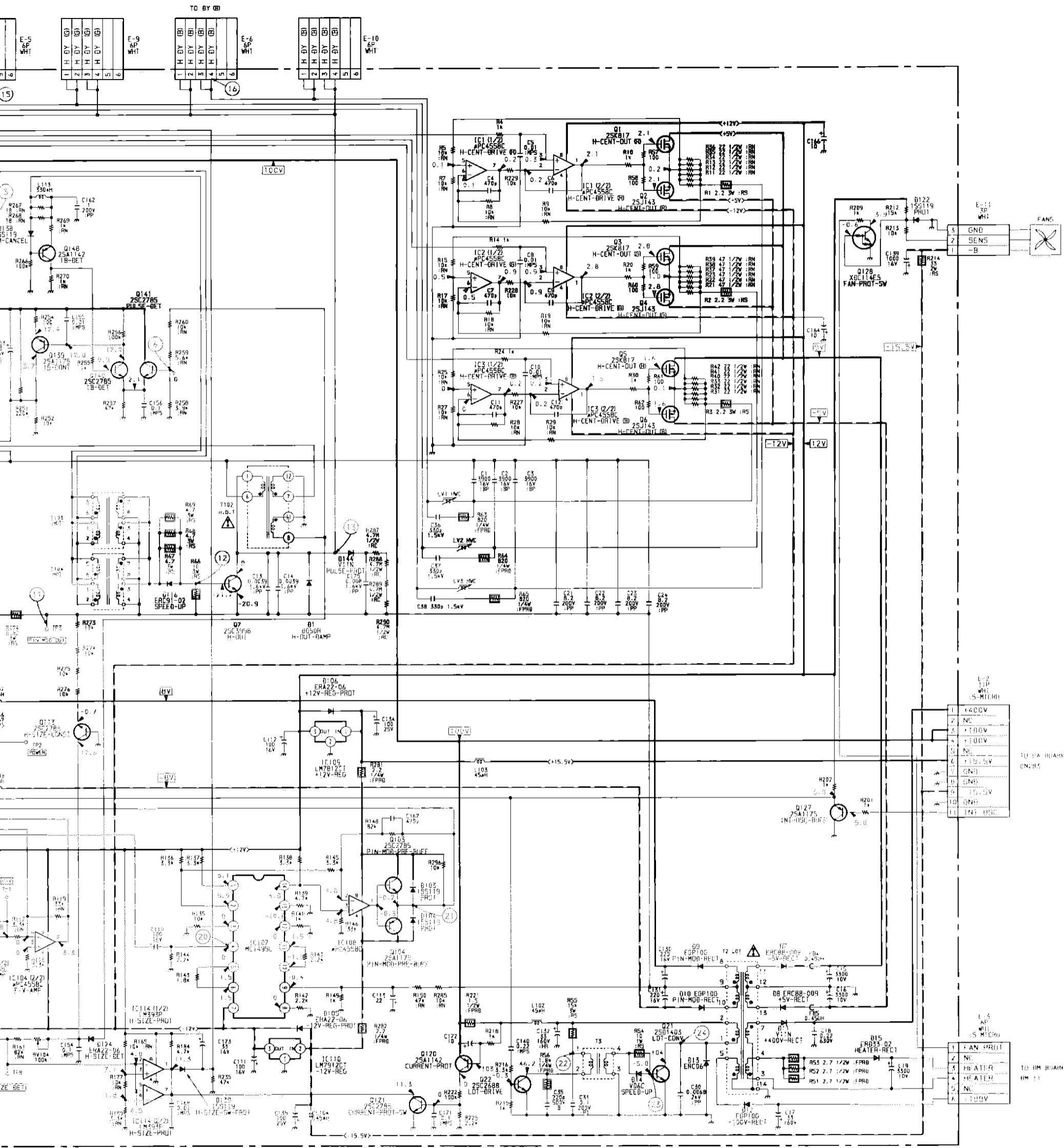
REF.	Pin No.	PAL
IC301	①	1.3
IC301	②	4.9
IC112	①	-24.7
	②	-23.5
IC114	②	4.7
	⑤	4.7

REF.	WHITE
Q007	B -21.5
	C -0.3
	E -20.5
Q100	B -23.6
	C -23.6
	E -23.5
Q107	B 3.0
	C -
Q108	B 2.8
	C -
Q109	B 2.5
	C -
	E 2.5
Q110	B -
	C 12.7
	E -
Q137	B 3.8
	C 105.3
	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 11.9
	C 113.5
	E 111.5
Q146	B 111.4
	C 112.5
	E 110.7
Q147	B 63.5
	C 110.3
	E 63.5
Q148	B 52.5
	C 0.1
	E 60.4





E (H. OUT)

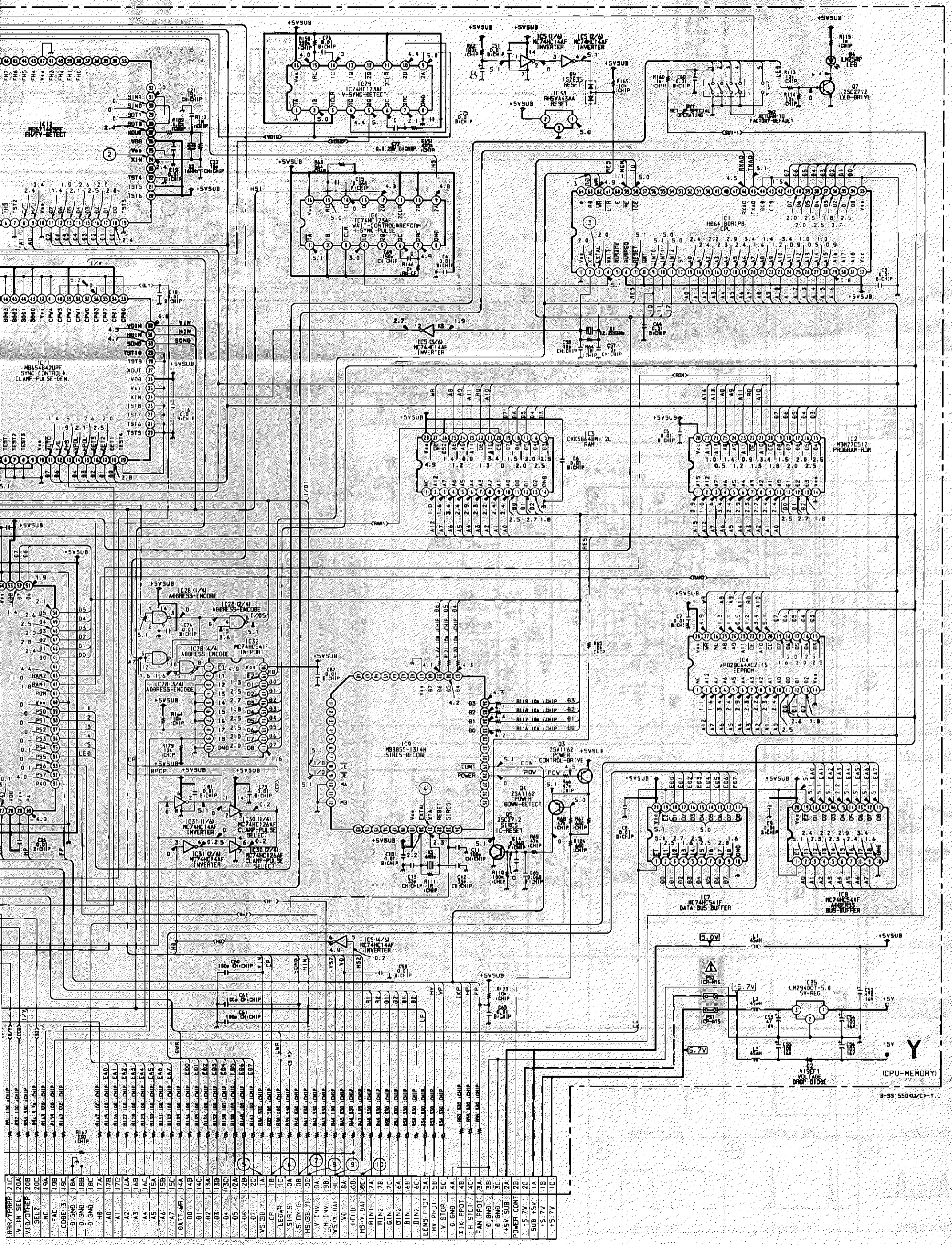


1	+400V
2	NC
3	+100V
4	+100V
5	NC
6	+15.5V
7	GNB
8	GNB
9	+15.5V
10	GNB
11	INT. USE

1	FAN-PR(T)
2	NC
3	HEATER
4	HEATER
5	NC
6	+100V

Schematic diagram

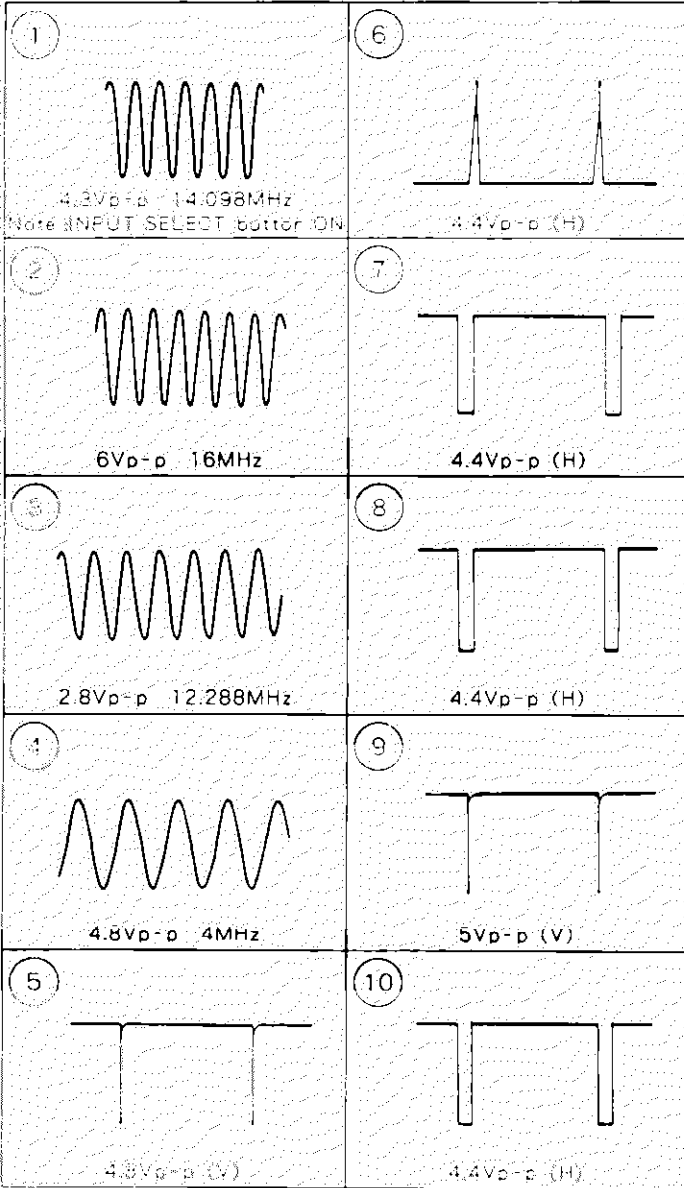
Schematic diagram



(CPU-MEMORY)

B-991550<U>C-Y

Y BOARD



**Y BOARD
(COMPONENT SIDE)**

IC	
IC1	A-6
IC2	B-7
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
IC35	E-8

TRANSISTOR	
Q8	D-3

DIODE	
D2	D-8
D4	A-5
D7	E-1
D8	D-4

Y [CPU MEMORY]

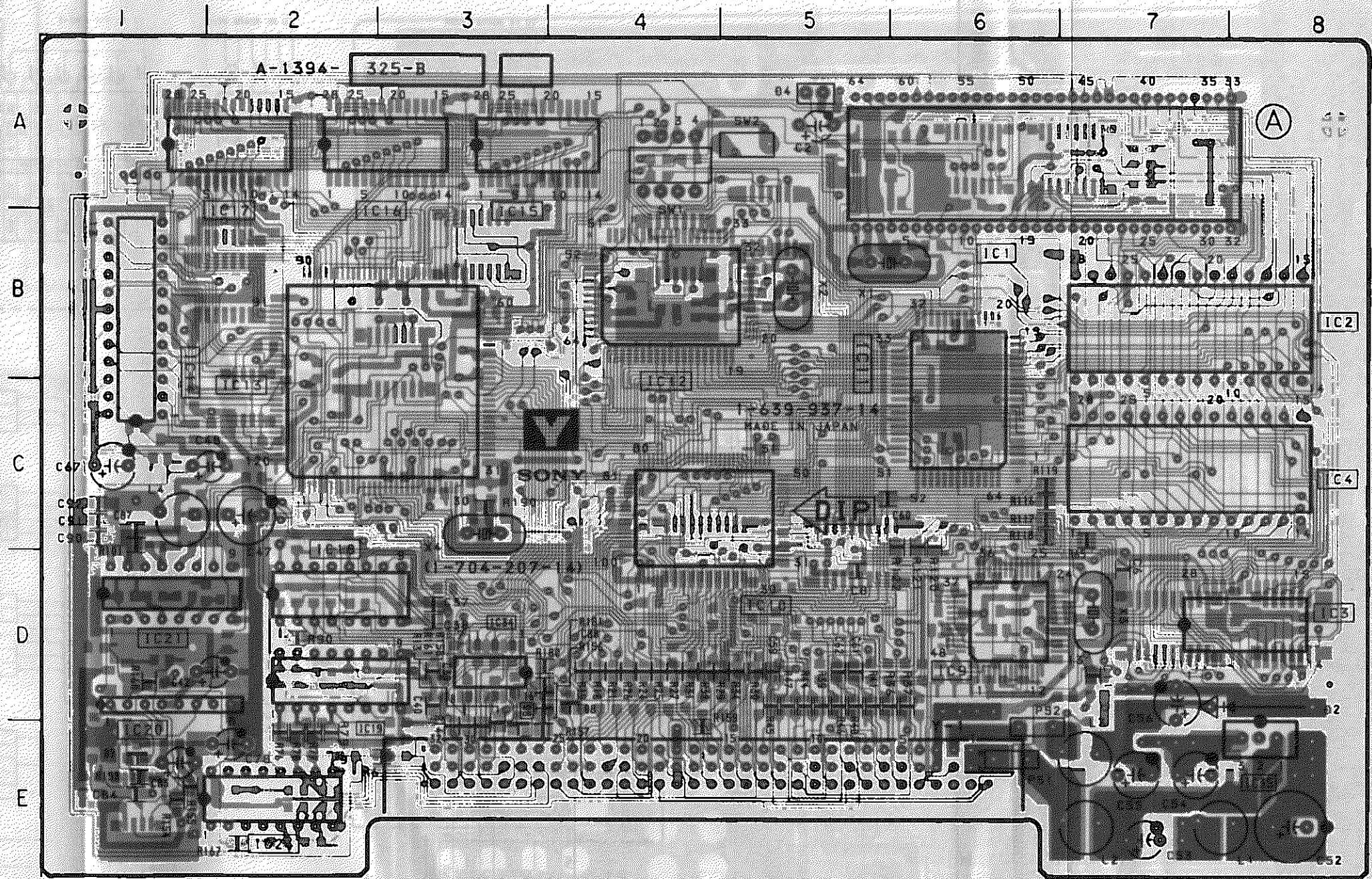
- Y BOARD - <Component Side>

Y BOARD
(COMPONENT SIDE)

IC	
IC1	A-6
IC2	B-7
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
IC35	E-8

TRANSISTOR	
Q8	D-3

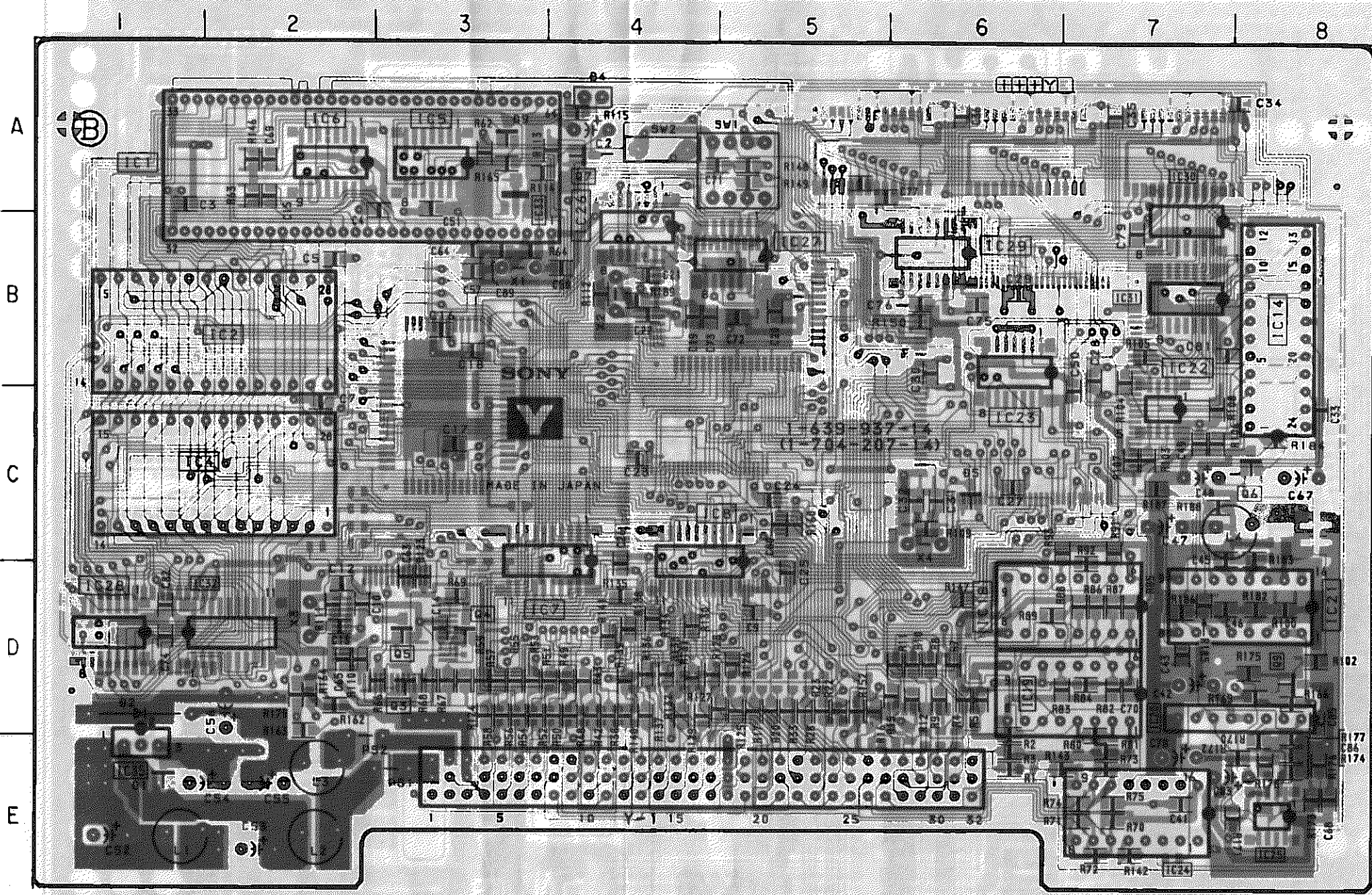
DIODE	
D2	D-8
D4	A-5
D7	E-1
D8	D-4



MO

< Conductor Side >

Y BOARD
(CONDUCTOR SIDE)



IC	
IC1	A-2
IC2	B-2
IC4	C-2
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
IC305	E-1

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

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

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

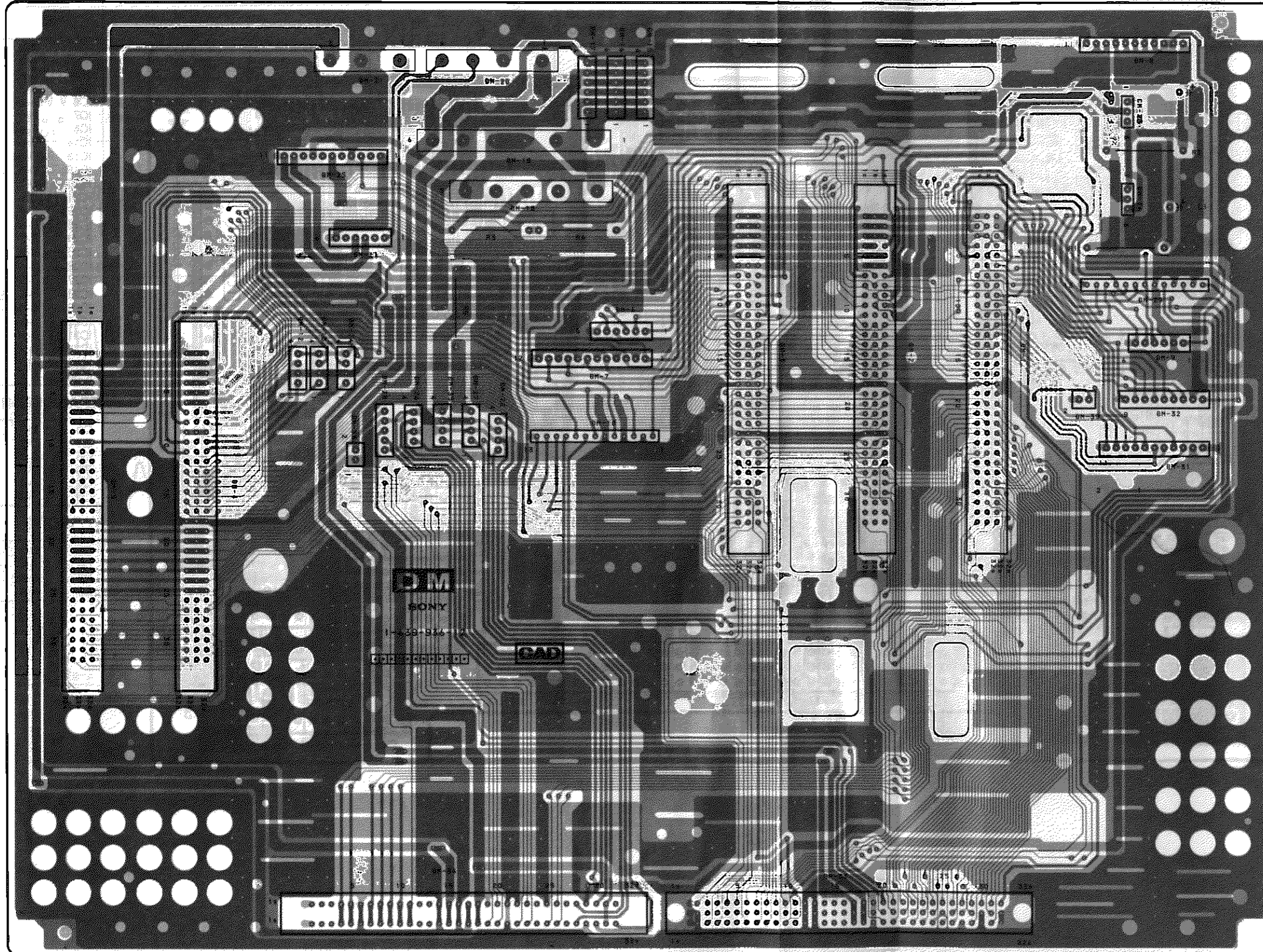
DM [DEFLECTION MOTHER BOARD]



VPH-1272QM/Q
RM-1271

VPH-1272QM/Q
RM-1271

- DM BOARD -

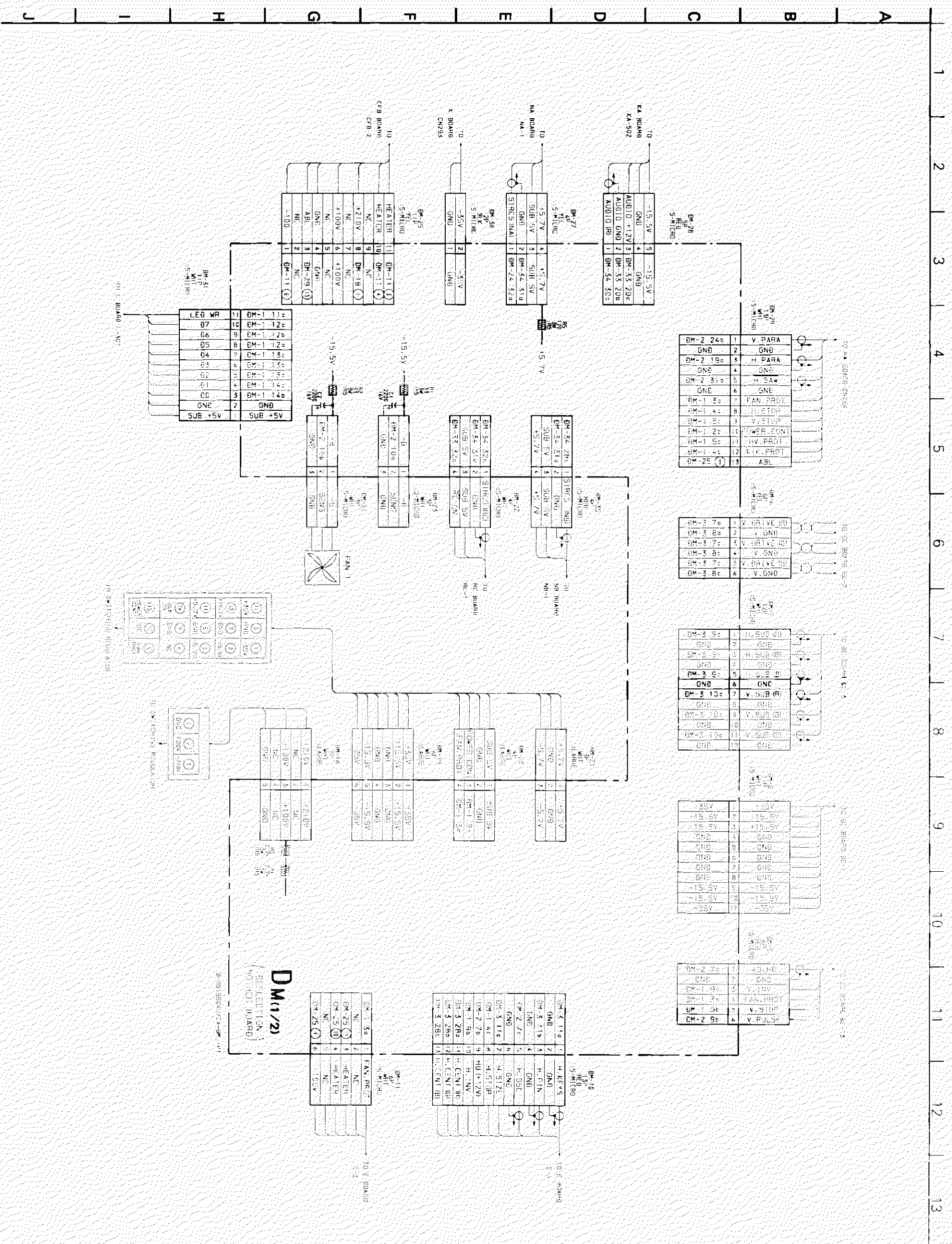
GRAPHIC
CONTROL



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

Schematic diagram

DM (1/2) board →



DM(1/2)
 SERIAL BOARD
 MOTHER BOARD

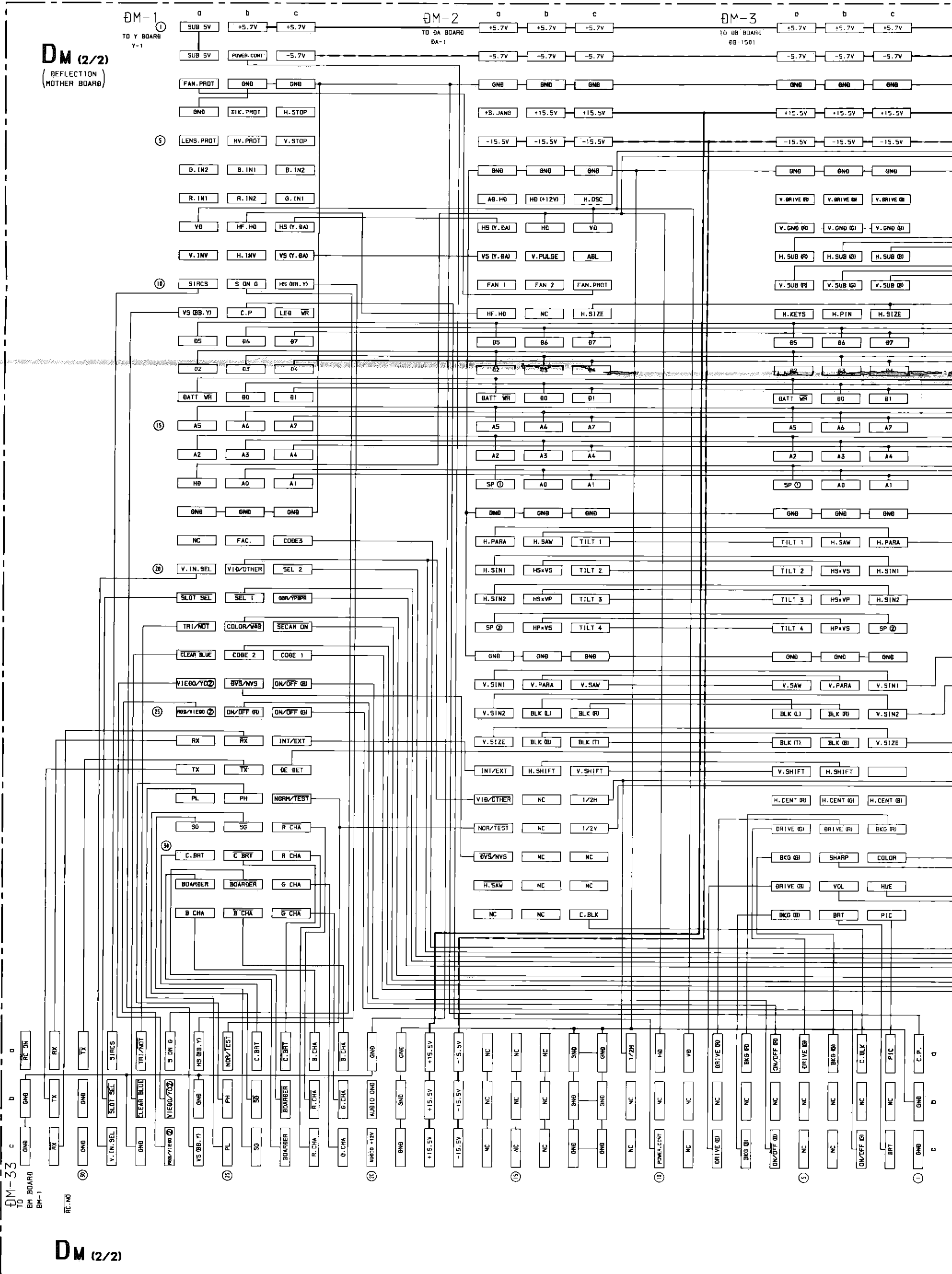
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

DM (2/2)
(REFLECTION)
MOTHER BOARD

DM-1
TO Y BOARD
Y-1

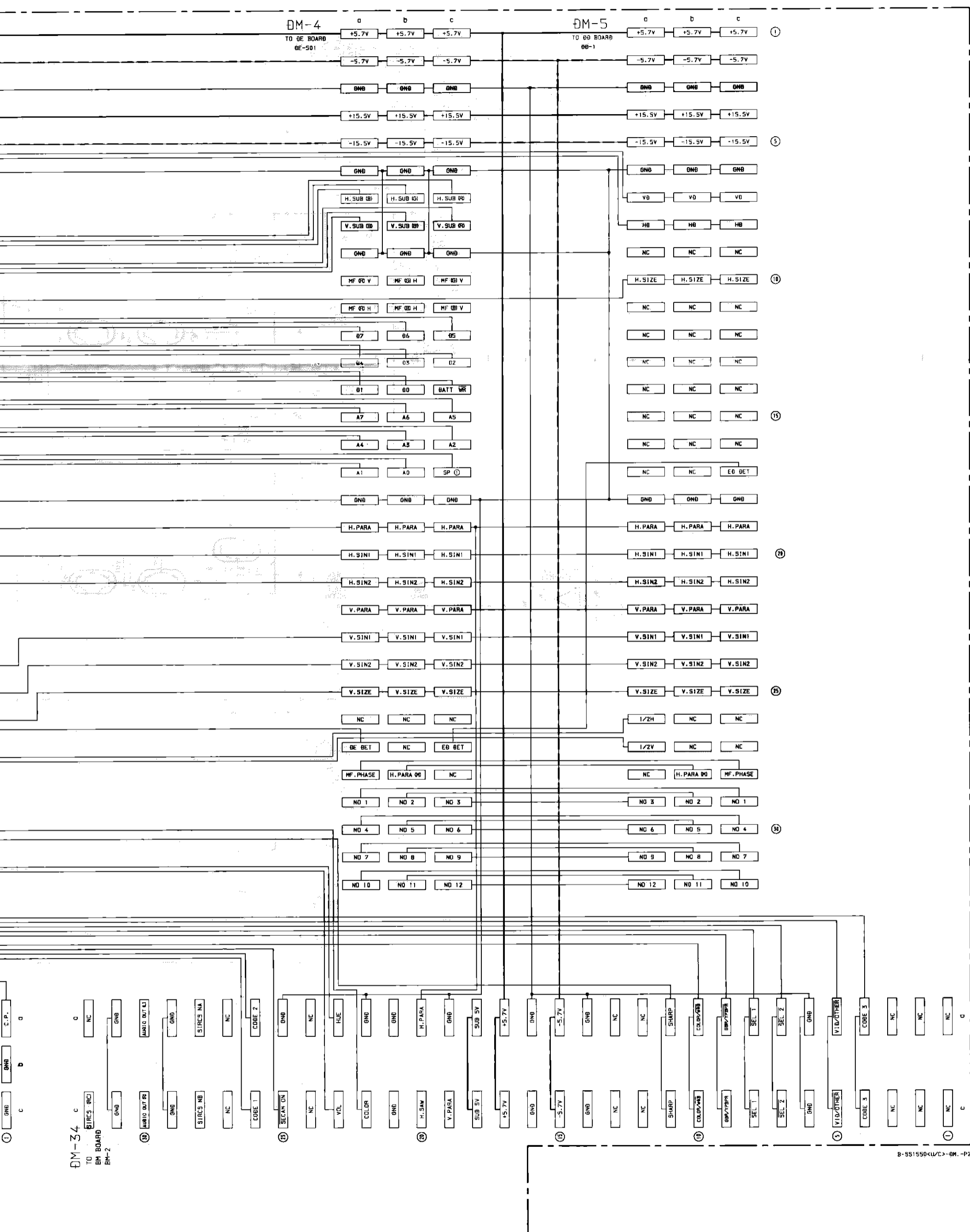
DM-2
TO BA BOARD
BA-1

DM-3
TO BB BOARD
BB-1501



DM-33
TO BM BOARD
BM-1

DM (2/2)

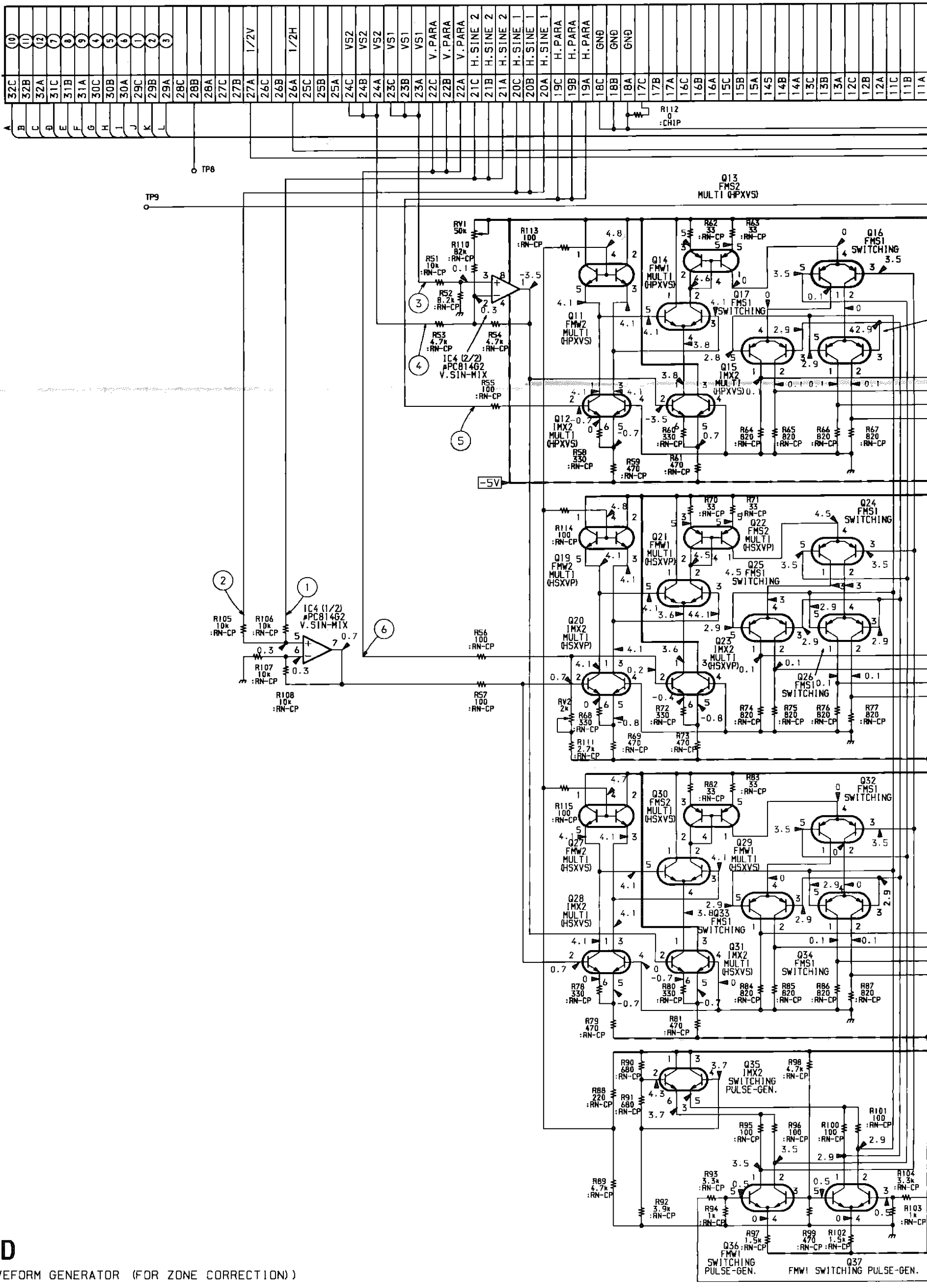


B-551550(L/C)-DM.-P2

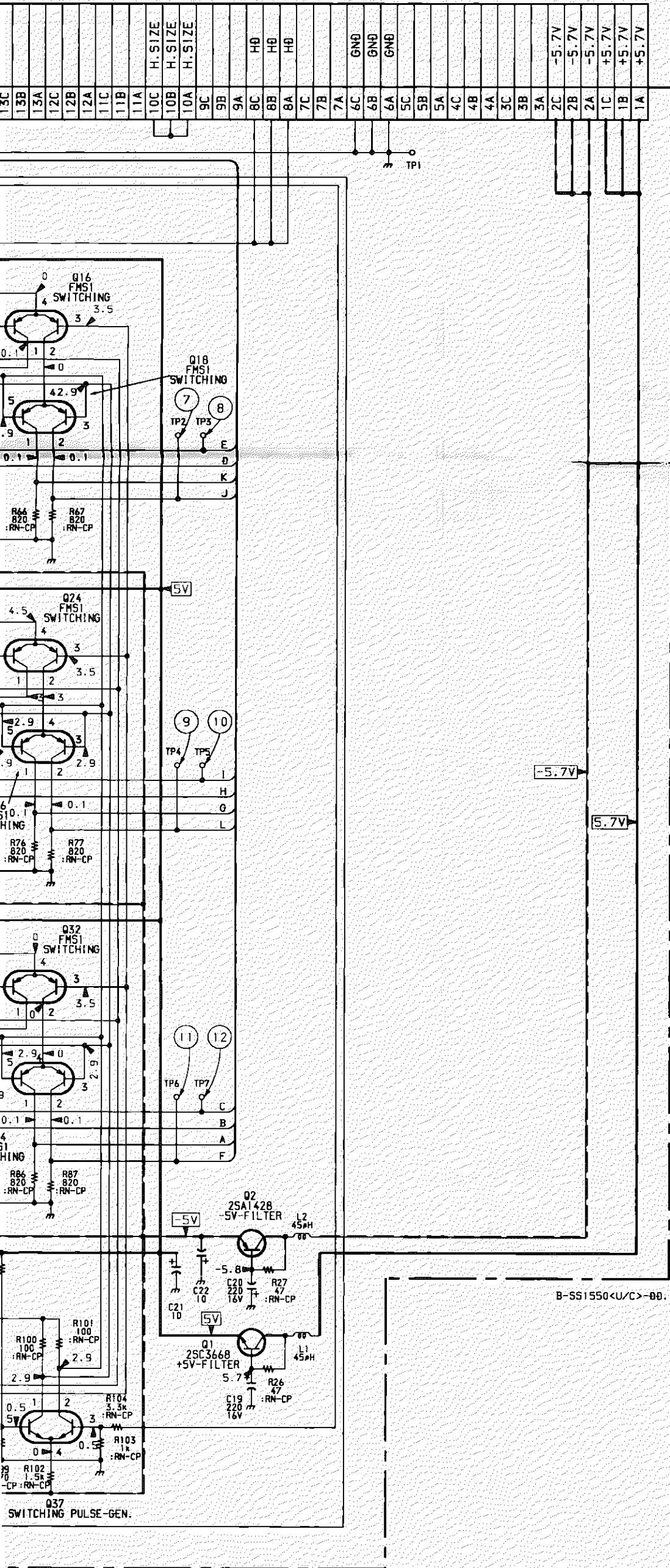
Schematic diagram

Schematic diagram

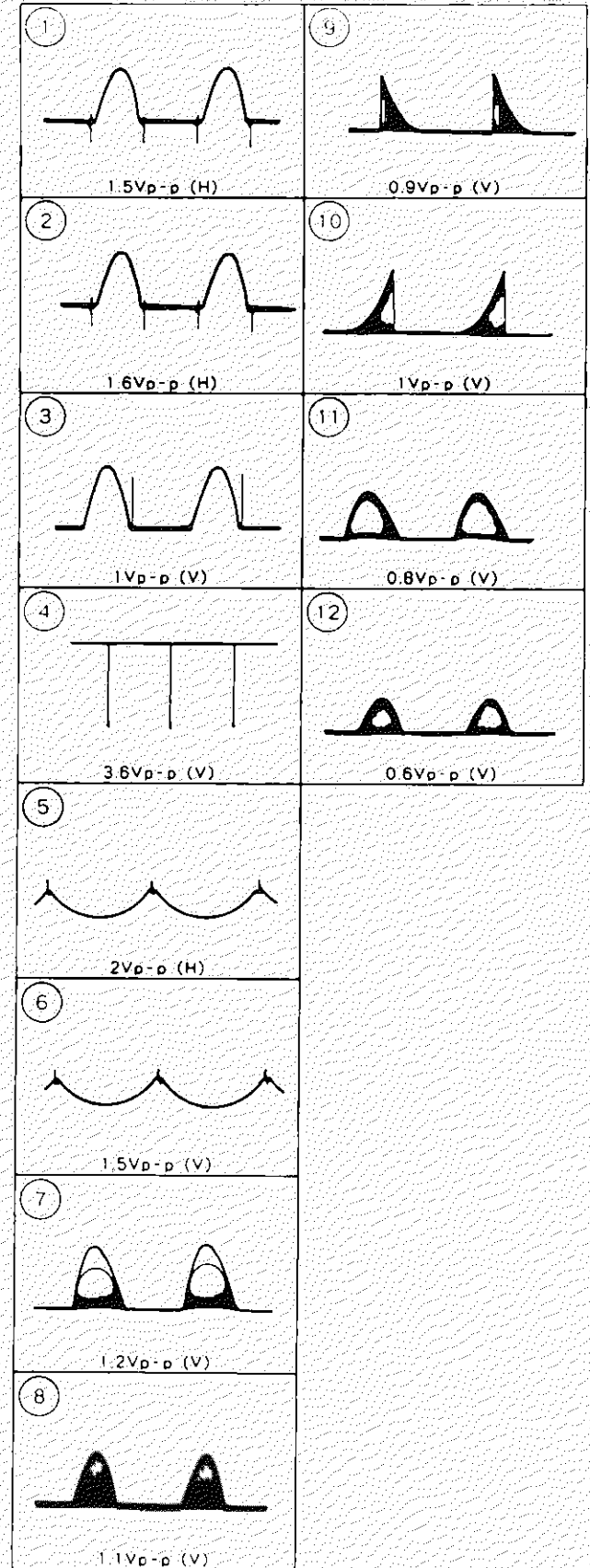
TO 8M BOARD
8M-5
88-1



Dd
(WAVEFORM GENERATOR (FOR ZONE CORRECTION))



DD BOARD



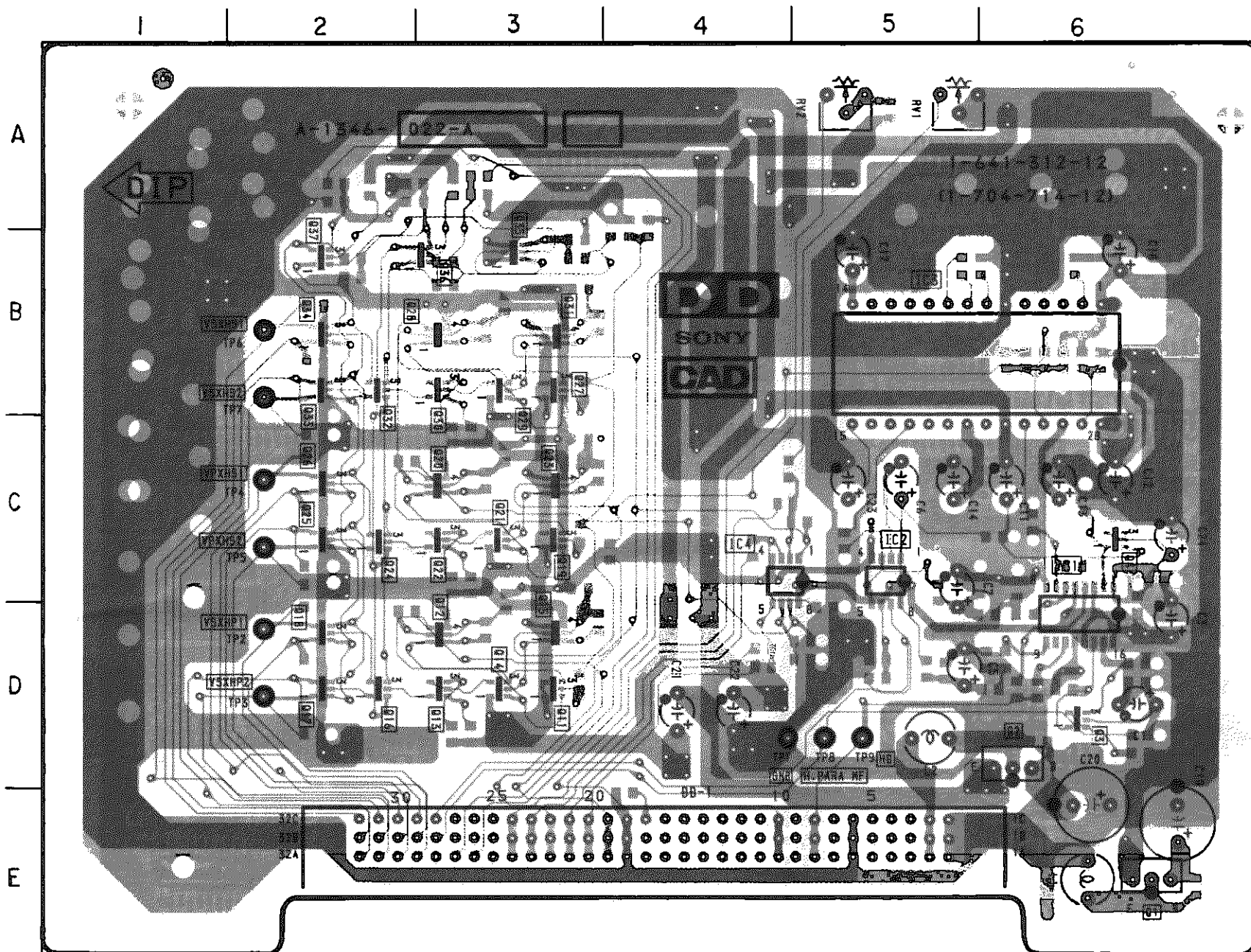
DD

[WAVEFORM GENERATOR (FOR ZONE CORRECTION)]

**DD BOARD
(COMPONENT SIDE)**

- DD BOARD - < Component Side >

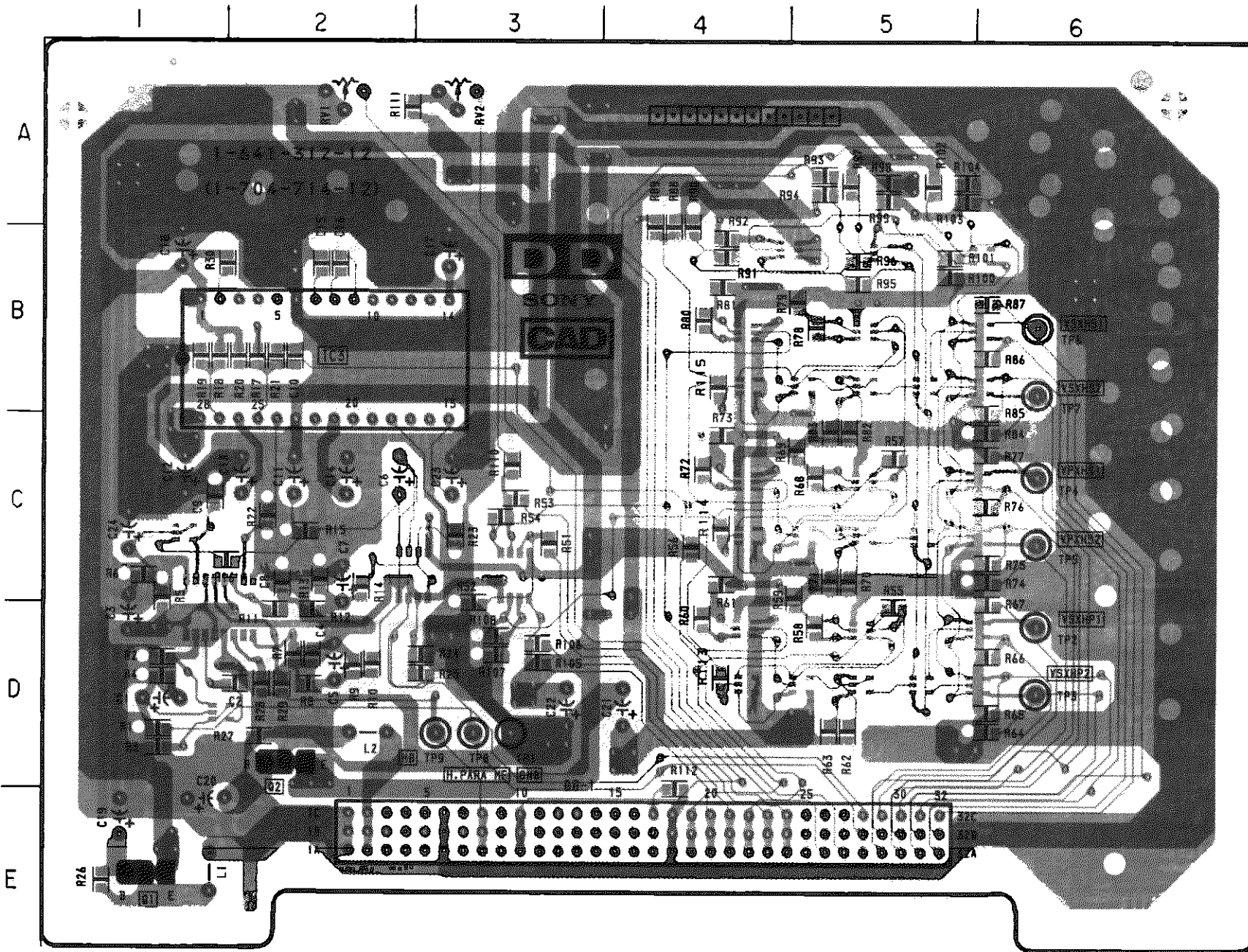
IC	
IC4	C-4
TRANSISTOR	
Q1	E-6
Q2	D-6
Q11	D-3
Q12	D-3
Q13	D-3
Q14	D-3
Q15	D-3
Q16	D-2
Q17	D-2
Q18	D-2
Q19	C-3
Q20	C-3
Q21	C-3
Q22	C-3
Q23	C-3
Q24	C-2
Q25	C-2
Q26	C-2
Q27	B-3
Q28	B-3
Q29	B-3
Q30	B-3
Q31	B-3
Q32	B-2
Q33	B-2
Q34	B-2
Q35	B-3
Q36	B-3
Q37	B-2
VARIABLE RESISTOR	
RV1	A-5
RV2	A-5



DD BOARD
(CONDUCTOR SIDE)

TRANSISTOR	
Q1	E-1
Q2	D-2
VARIABLE RESISTOR	
RV1	A-2
RV2	A-3

< Conductor Side >



- [Solid black pattern] : Pattern from the side which enables seeing.
- [Stippled pattern] : Pattern of the rear side.

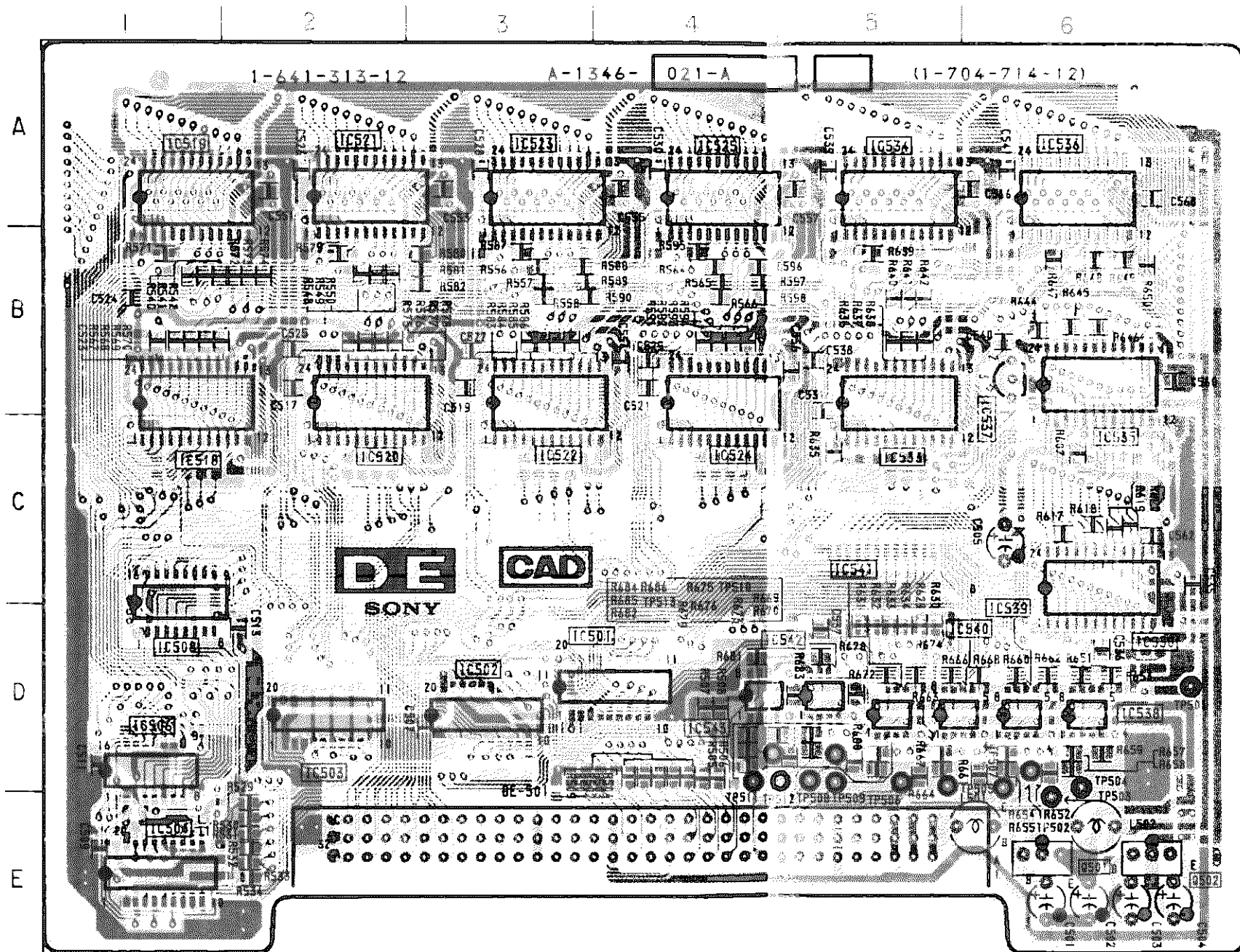
DE [ELECTRONIC VR (RESISTRATION ADJ)]

DE BOARD
(COMPONENT SIDE)

- DE BOARD - < Component Side >

IC	
IC501	D-4
IC502	D-3
IC503	D-2
IC504	E-1
IC506	D-1
IC508	D-1
IC518	B-1
IC519	A-1
IC520	B-2
IC521	A-2
IC522	B-2
IC523	A-3
IC524	B-4
IC525	A-4
IC533	B-5
IC534	A-5
IC535	B-6
IC536	A-6
IC537	B-6
IC538	D-6
IC539	D-6
IC540	D-6

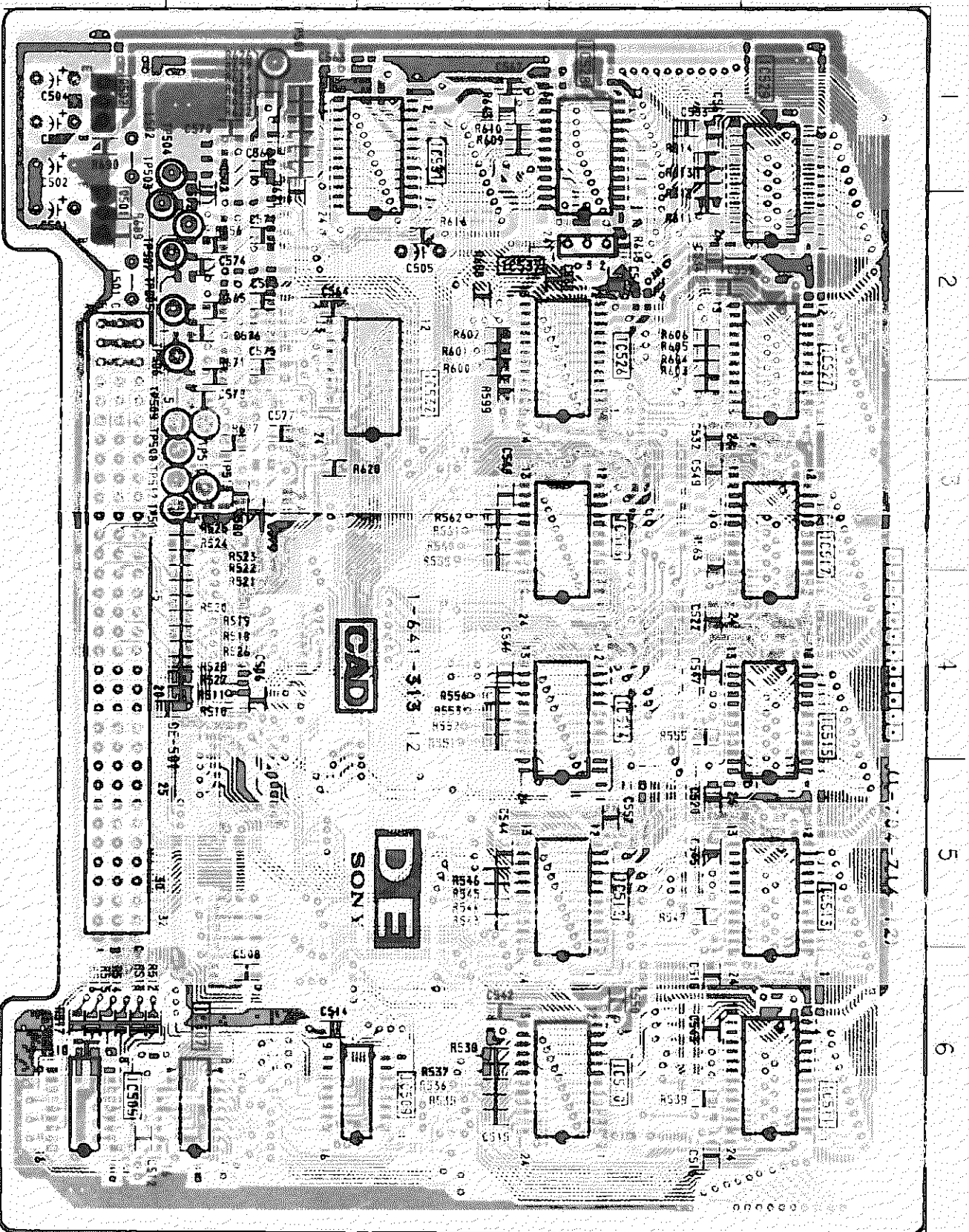
TRANSISTOR	
Q501	E-6
Q502	E-6



VPH-1272QM/Q
RM-1271

VPH-1272QM/Q
RM-1271

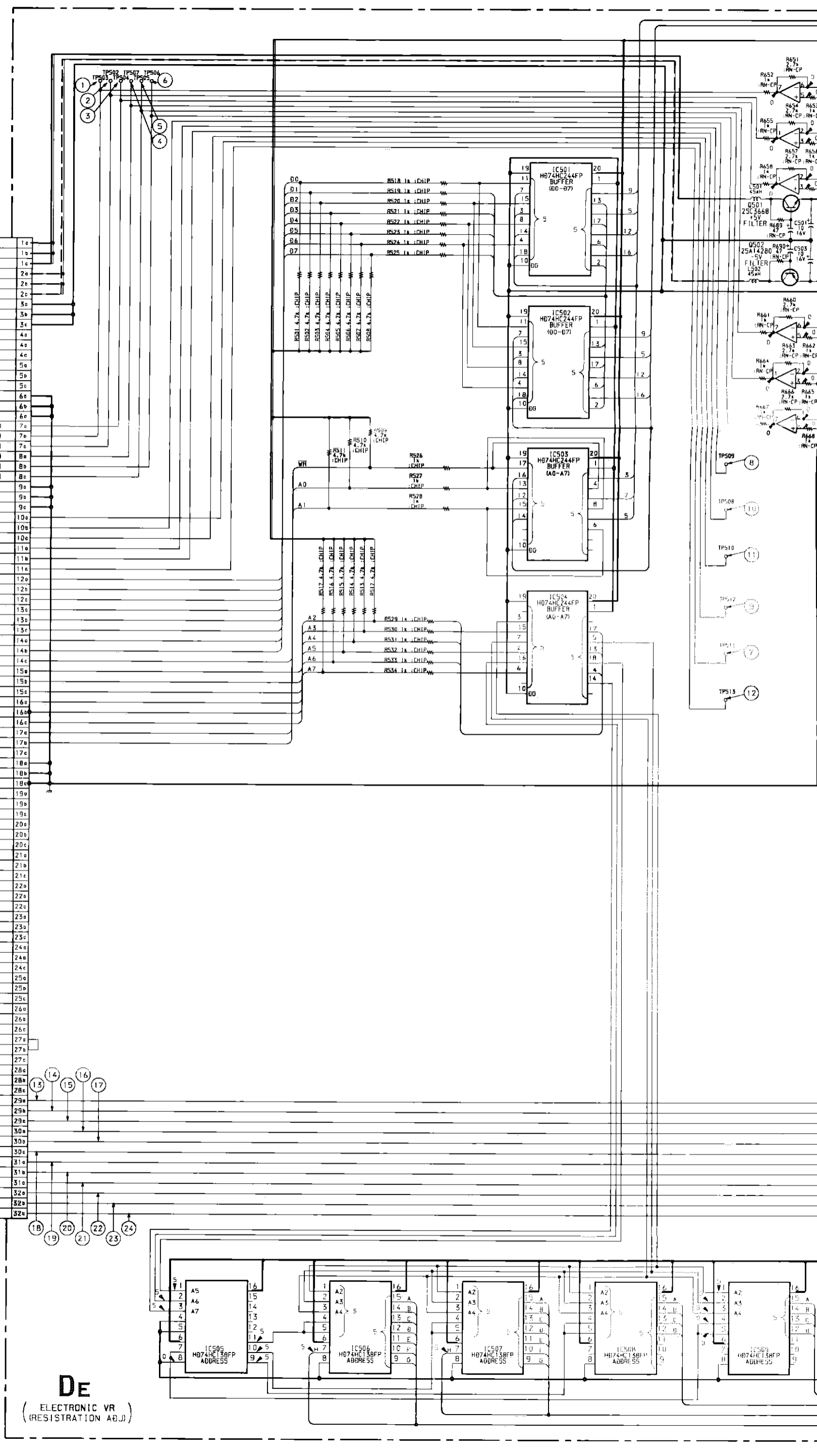
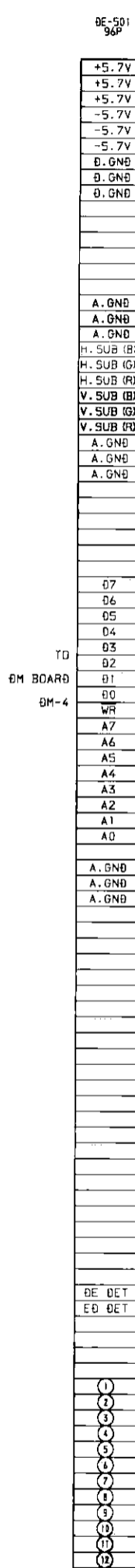
< Conductor Side >



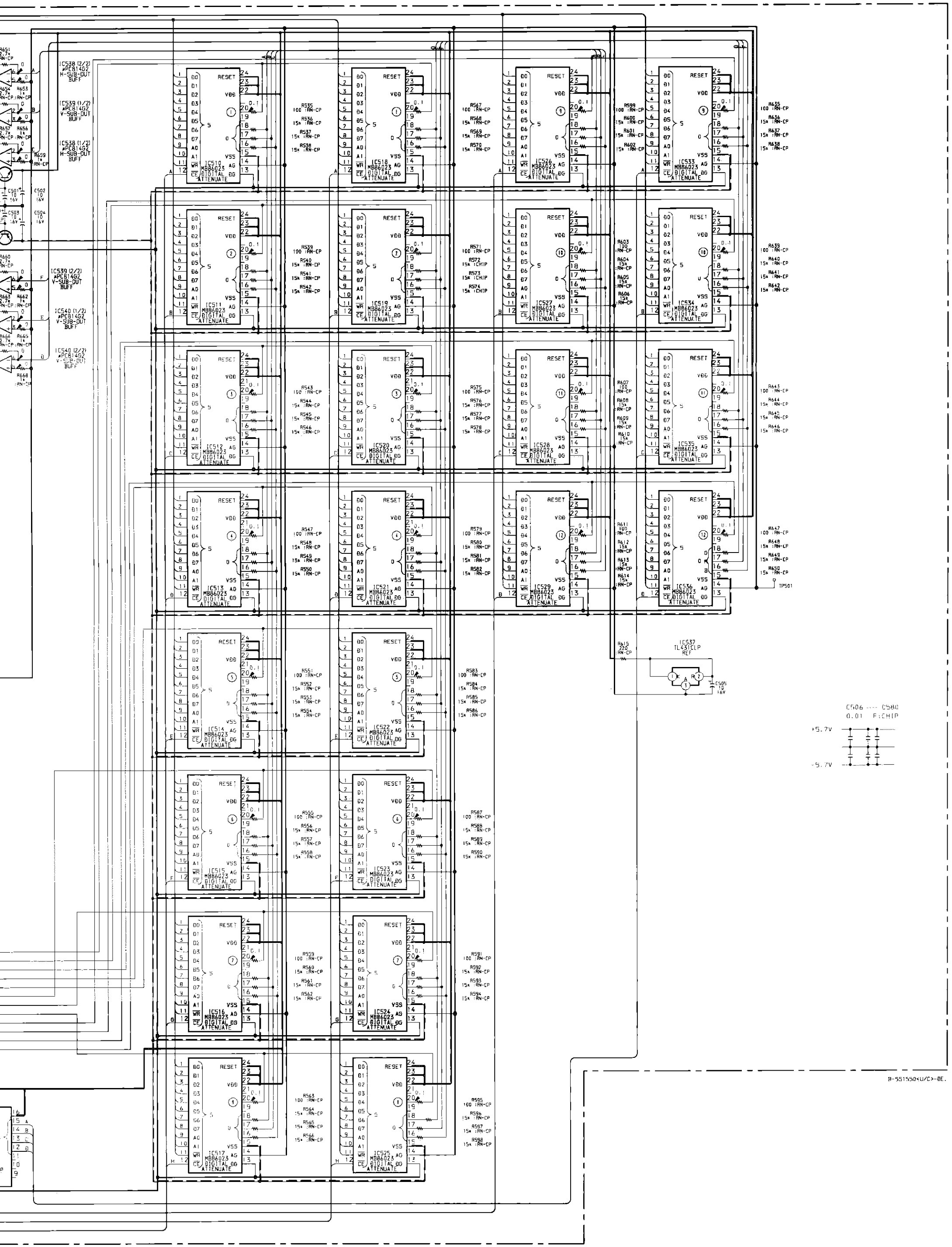
DE BOARD
(CONDUCTOR SIDE)

IC	
IC505	E 6
IC507	D 6
IC509	C 6
IC510	B 6
IC511	A 6
IC512	B 5
IC513	A 5
IC514	B 4
IC515	A 4
IC516	B 3
IC517	A 3
IC526	B 2
IC527	A 2
IC528	B 1
IC529	A 1
IC537	B 2
TRANSISTOR	
O501	E 2
O502	E 1

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



DE
(ELECTRONIC VR)
(REGISTRATION ABJ)

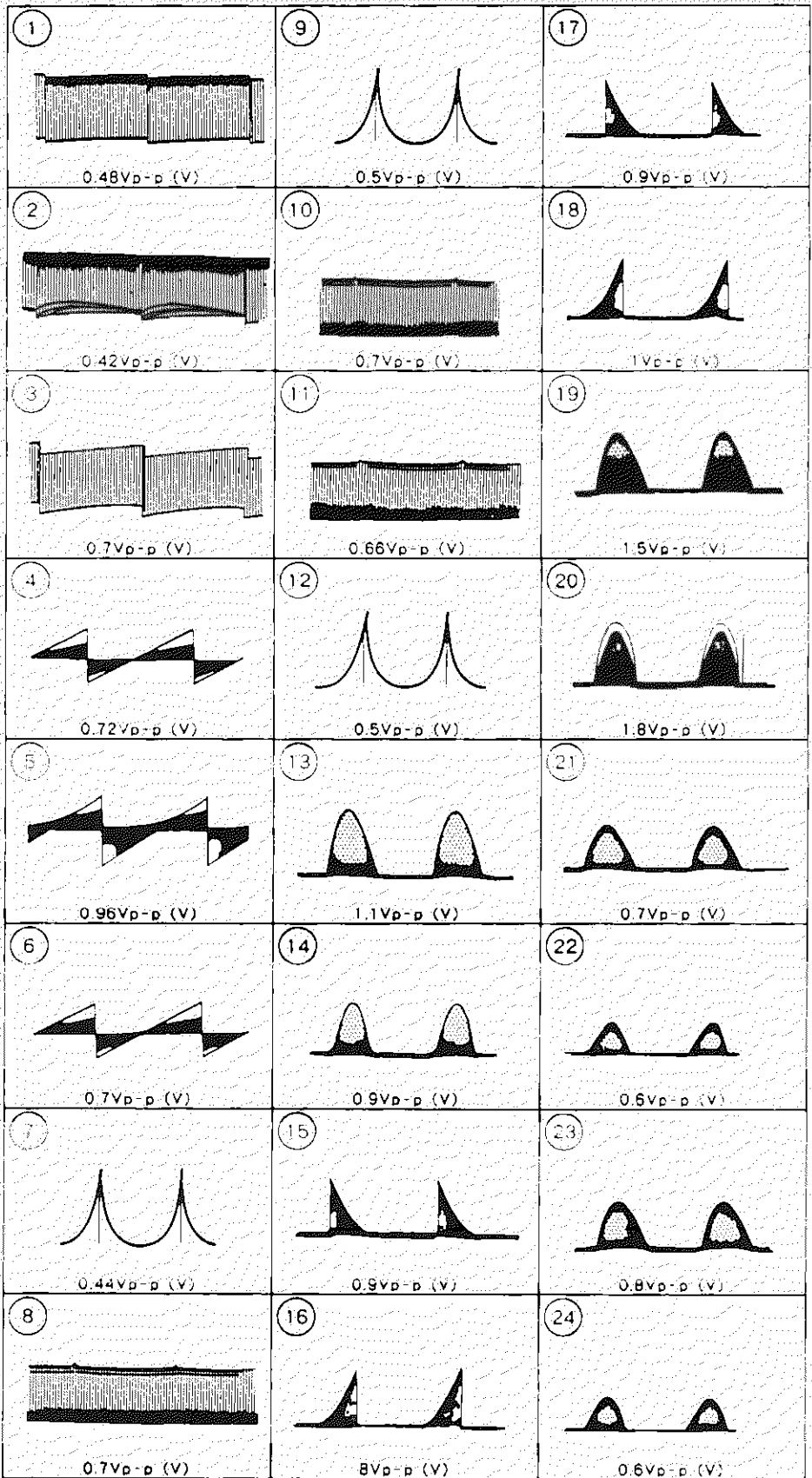


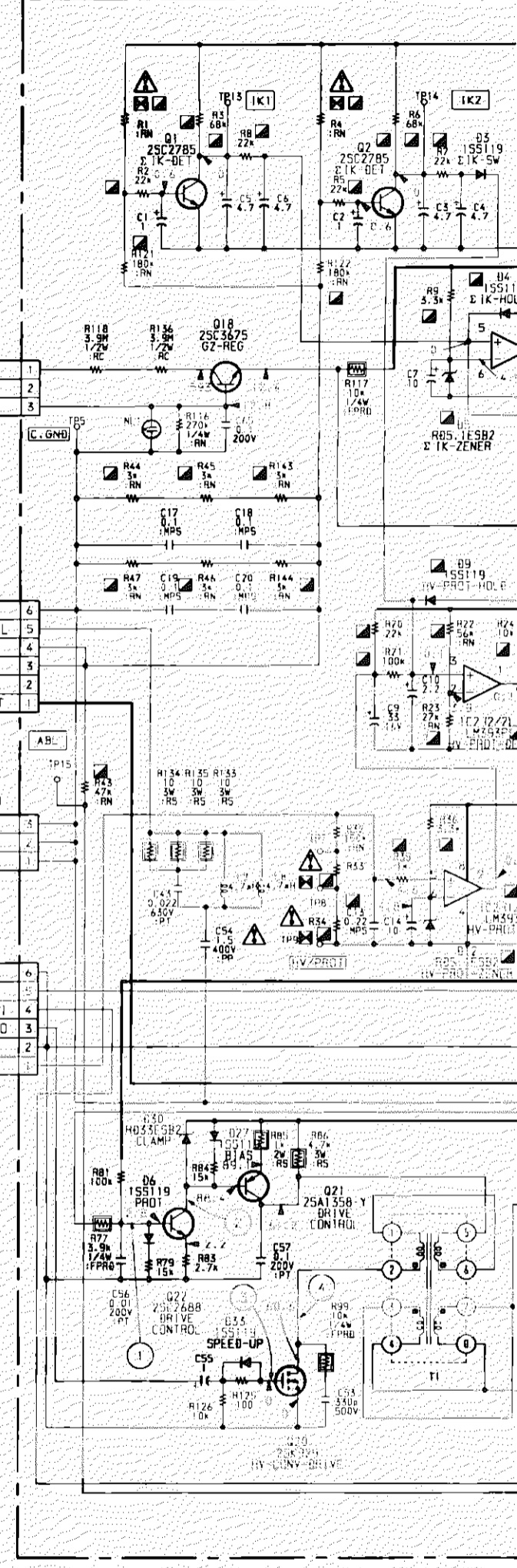
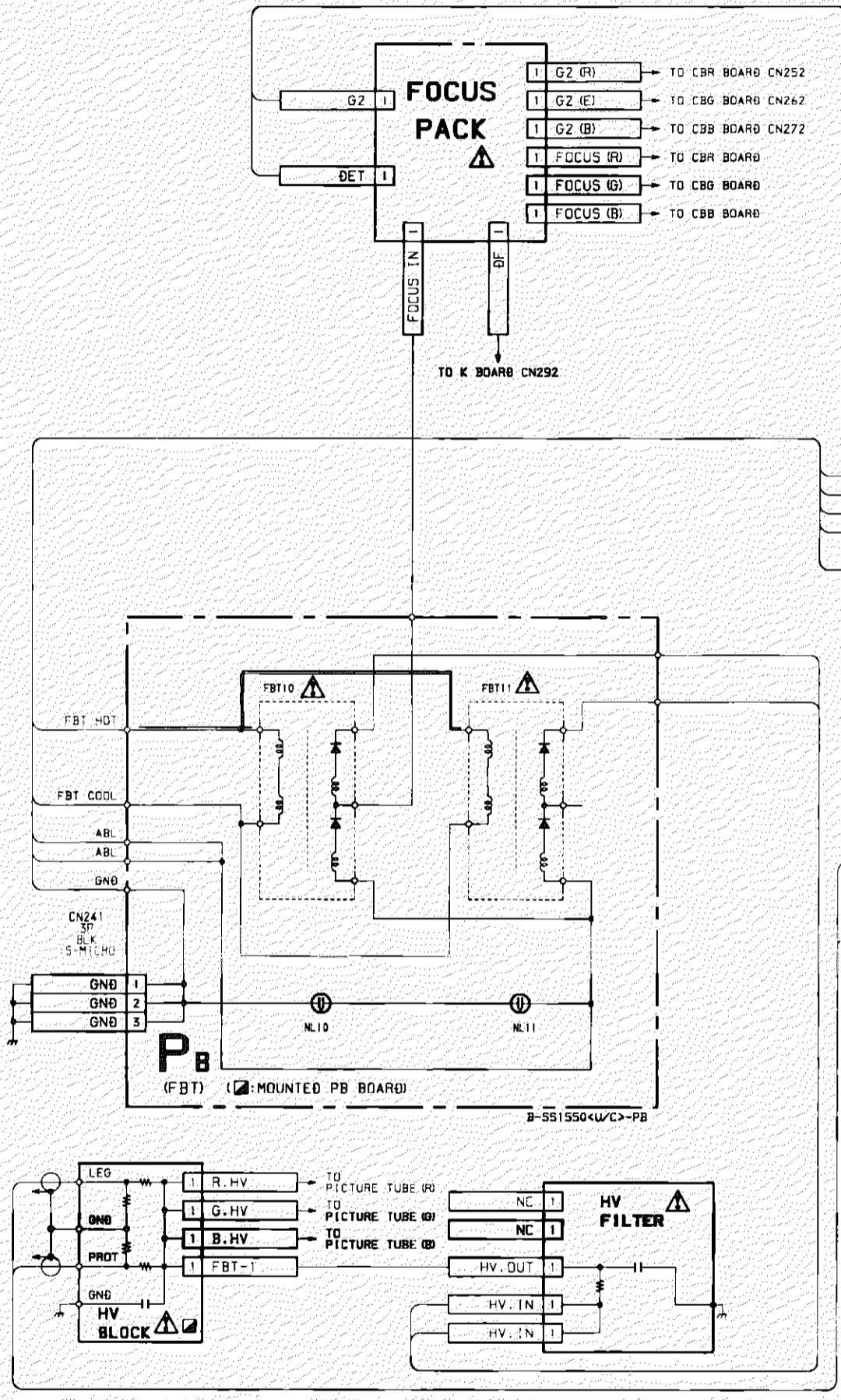
C506 - C508
0.01 μF CHIP

+5.7V

-5.7V

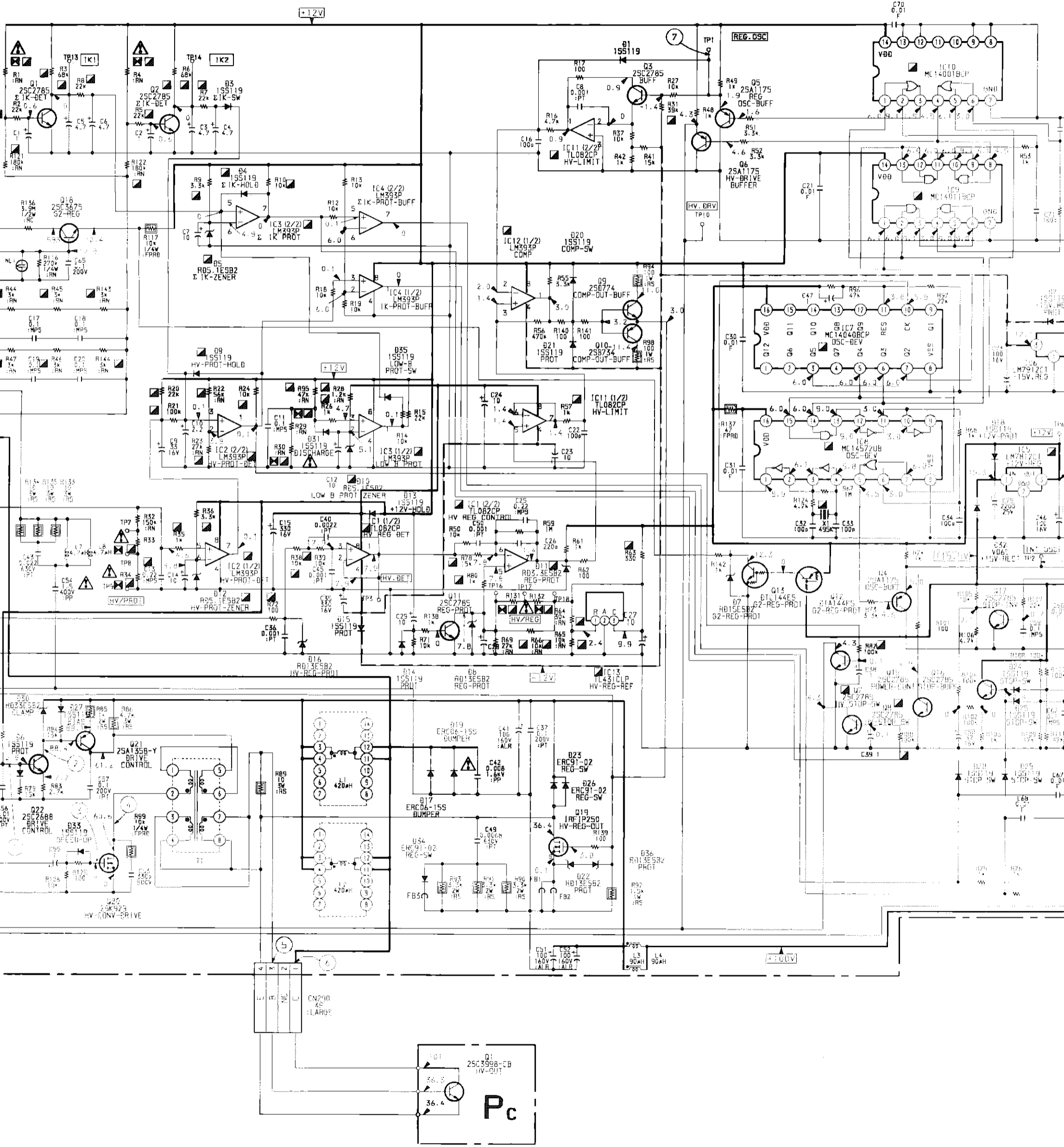
DE BOARD



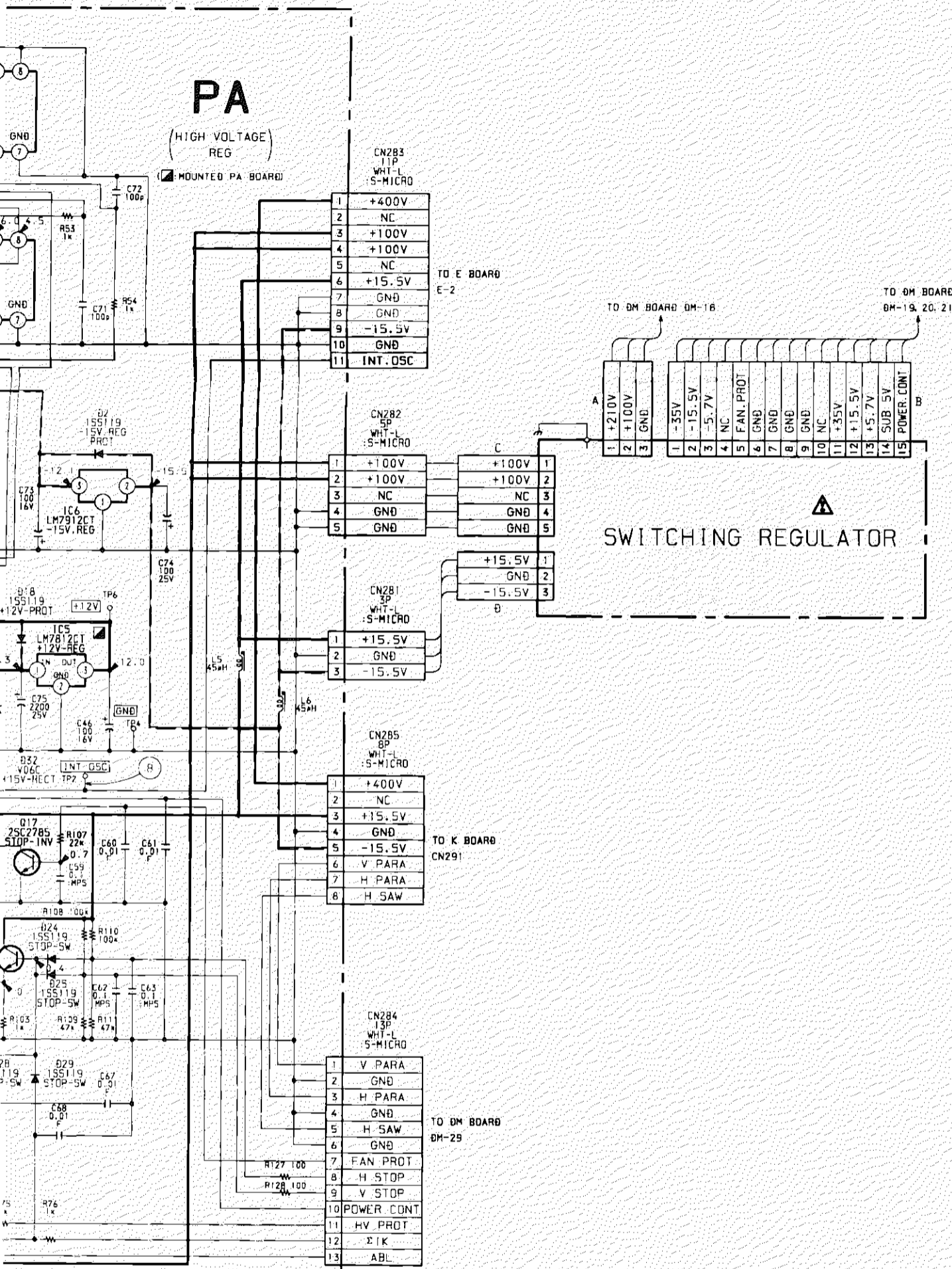


Schematic diagram

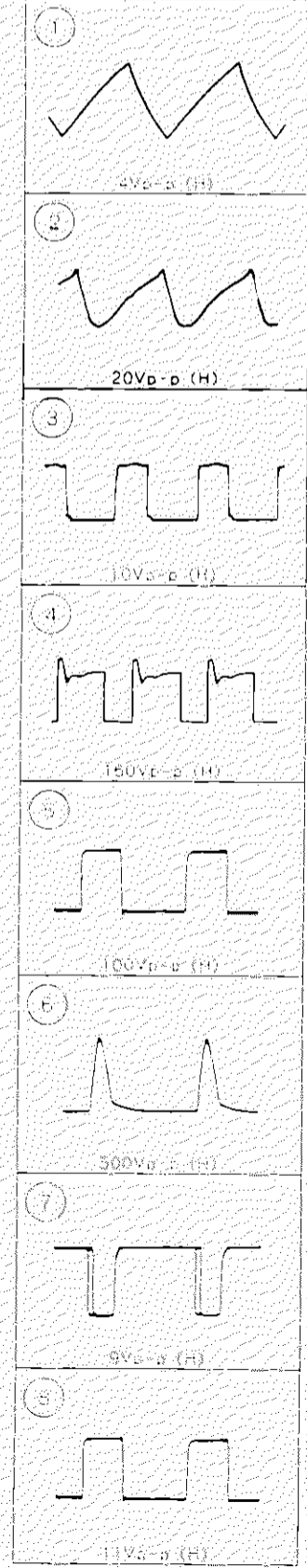
Schematic diagrams



B-551550<u>C</u>-PC.

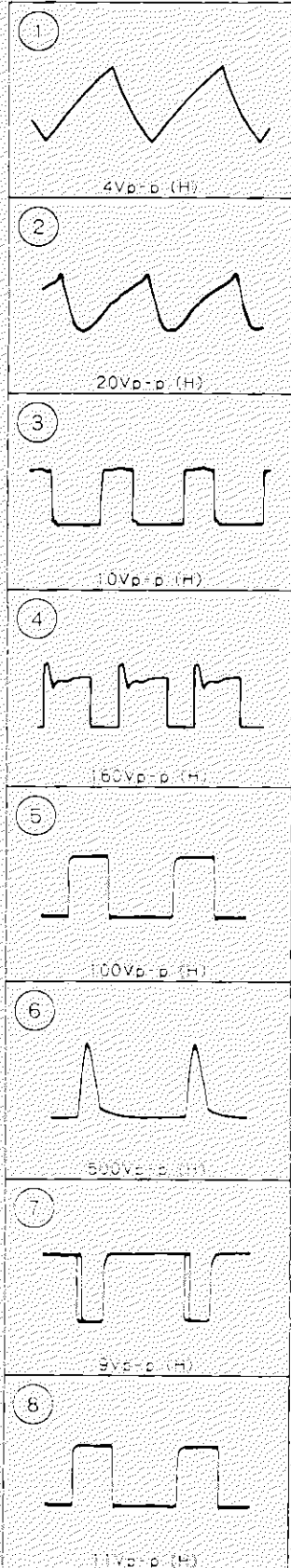


PA BOARD



B-551550<U/C>-PA.

PA BOARD



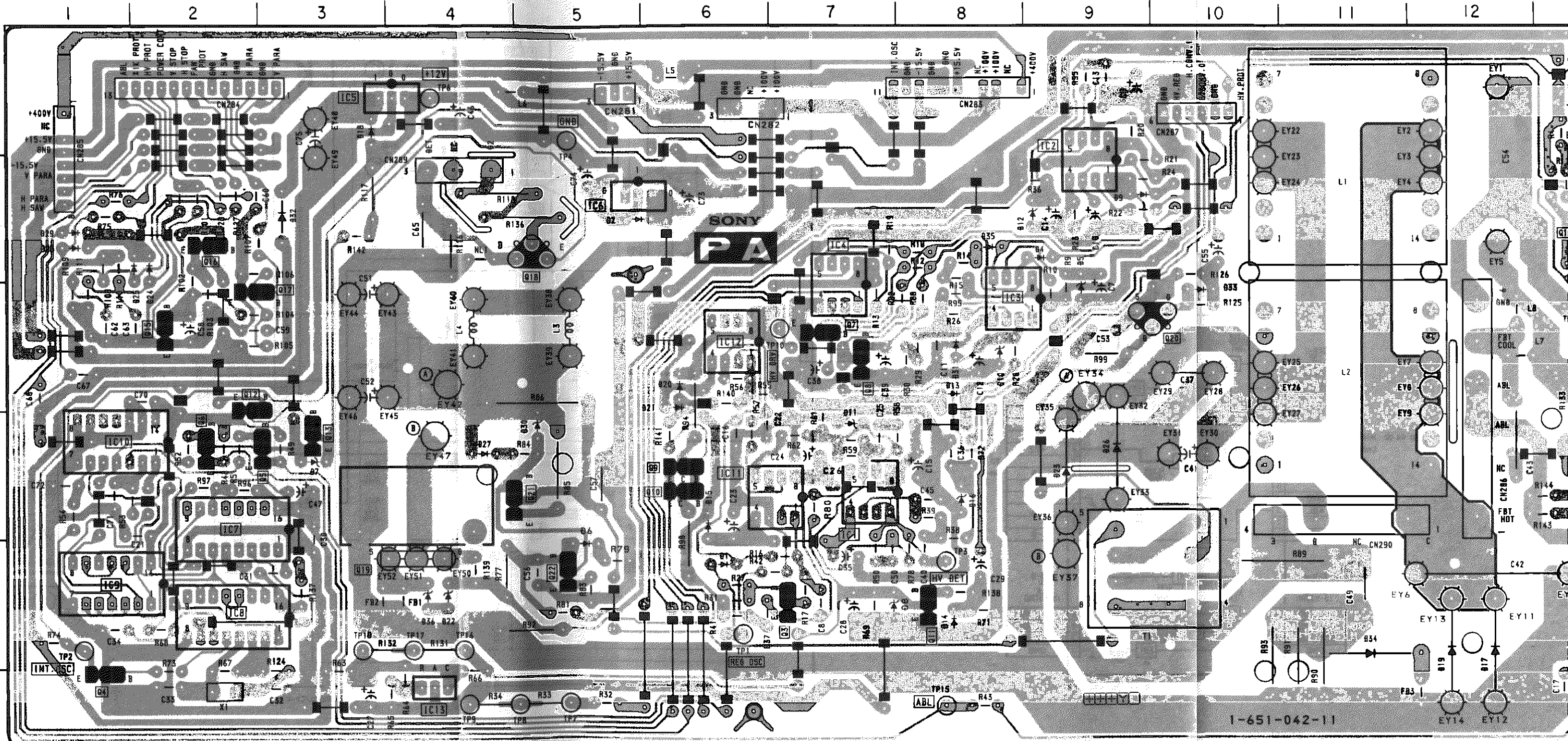
PA BOARD (COMPONENT SIDE)

IC		DIODE	
IC1	D-7	D1	E-6
IC2	B-9	D2	B-5
IC3	C-8	D3	A-13
IC4	C-7	D4	B-9
IC5	A-4	D5	C-9
IC6	B-5	D6	F-5
IC7	D-2	D7	D-3
IC8	E-2	D8	E-7
IC9	E-1	D9	B-9
IC10	D-1	D10	C-8
IC11	D-7	D11	D-7
IC12	C-6	D12	B-9
IC13	F-4	D13	C-8
TRANSISTOR		D14	E-8
		D15	D-6
Q1	B-13	D16	D-8
Q2	A-13	D17	E-12
Q3	E-7	D18	A-3
Q4	F-7	D19	E-12
Q5	D-3	D20	C-6
Q6	D-2	D21	C-6
Q7	C-7	D22	E-4
Q8	C-7	D23	D-9
Q9	D-6	D24	B-2
Q10	D-6	D25	B-2
Q11	E-8	D26	D-9
Q12	C-2	D27	D-4
Q13	D-3	D28	B-1
Q15	C-2	D29	B-1
Q16	B-2	D30	D-5
Q17	C-3	D31	C-8
Q18	B-5	D32	B-3
Q19	E-4	D33	C-10
Q20	C-10	D34	E-11
Q21	D-5	D35	B-8
Q22	E-5	D36	E-4

PA

[HIGH VOLTAGE REG]

- PA BOARD -

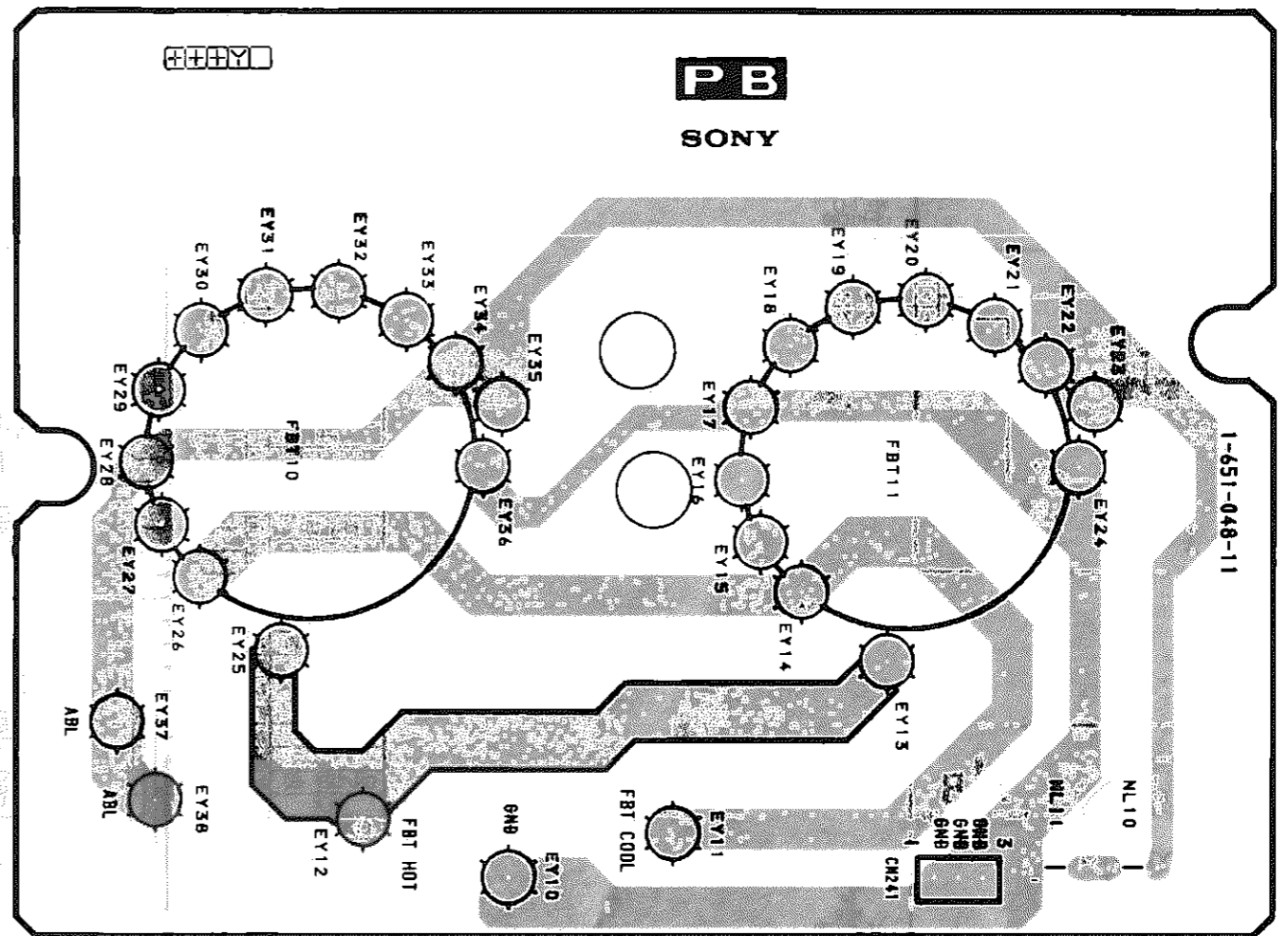


1-651-042-11

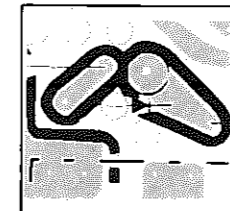
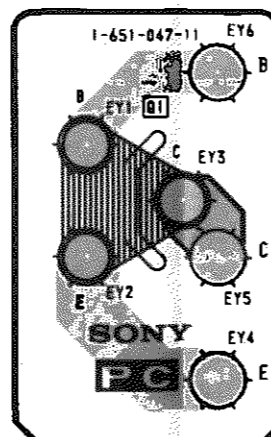
PB (FBT)

PC

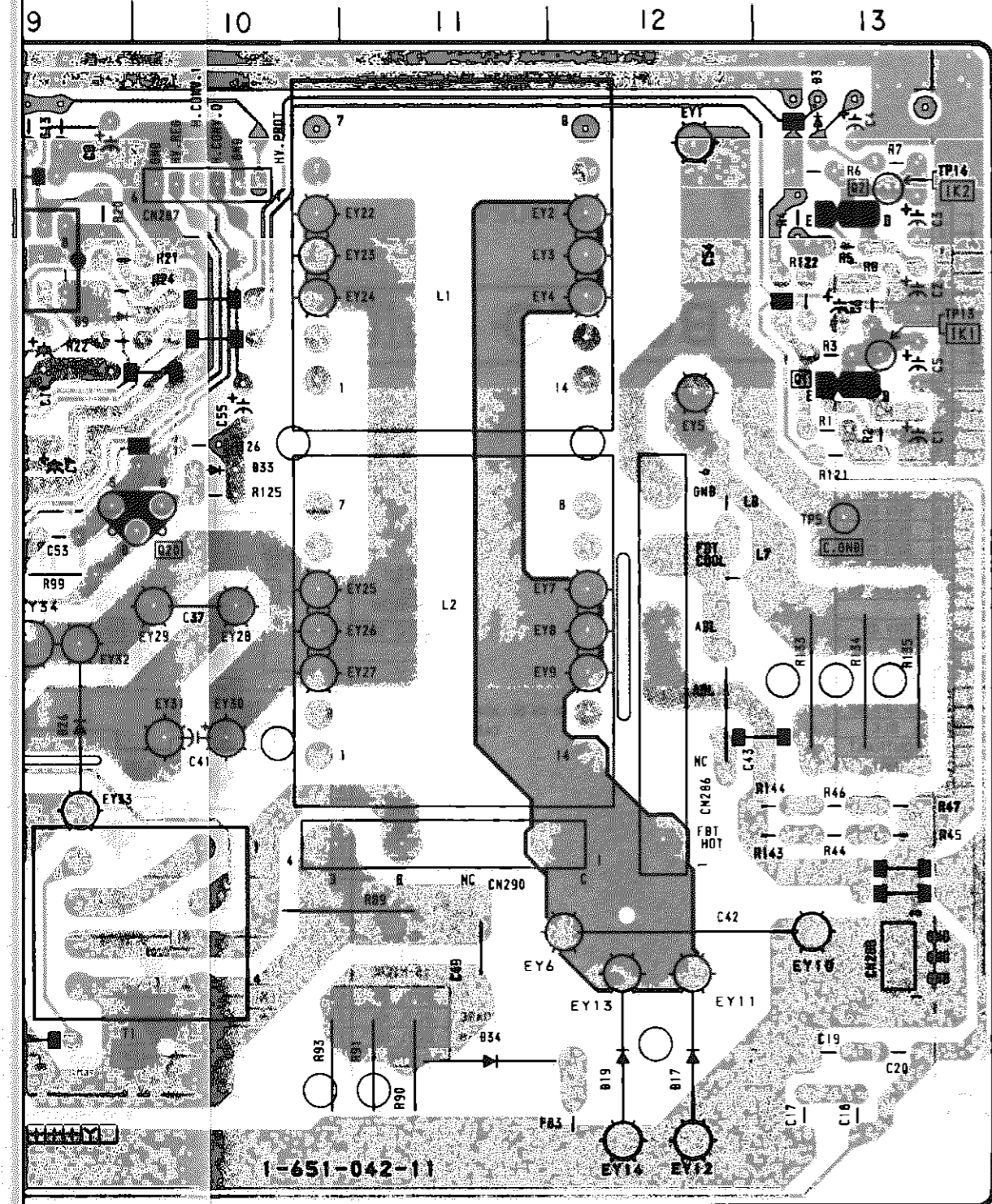
- PB BOARD -



- PC BOARD -

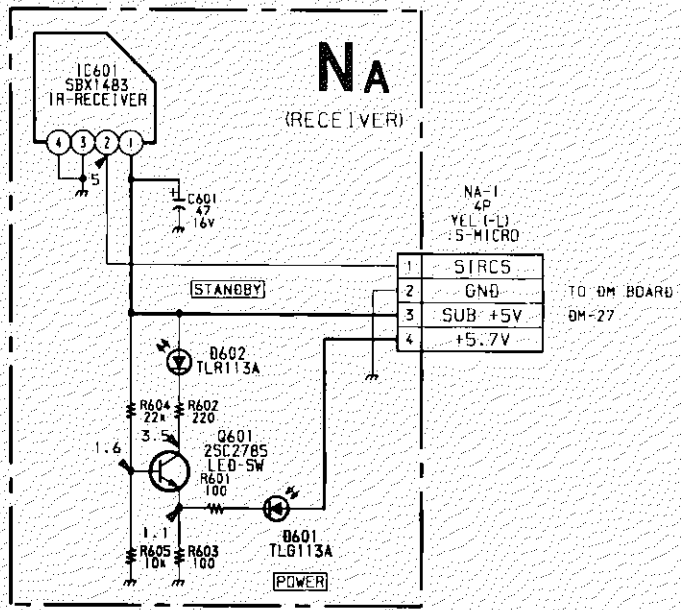


NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

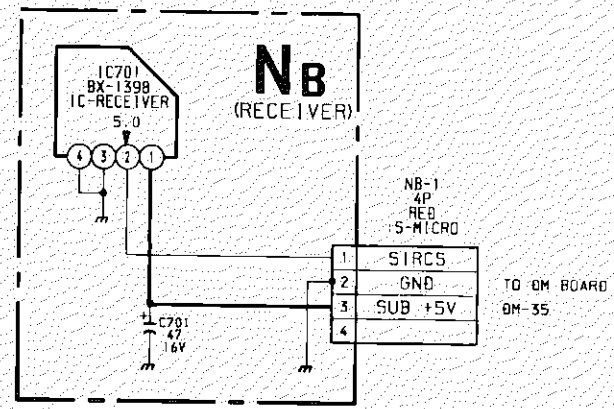


1 2 3 4 5 6 7 8 9 10 11 12 13 14

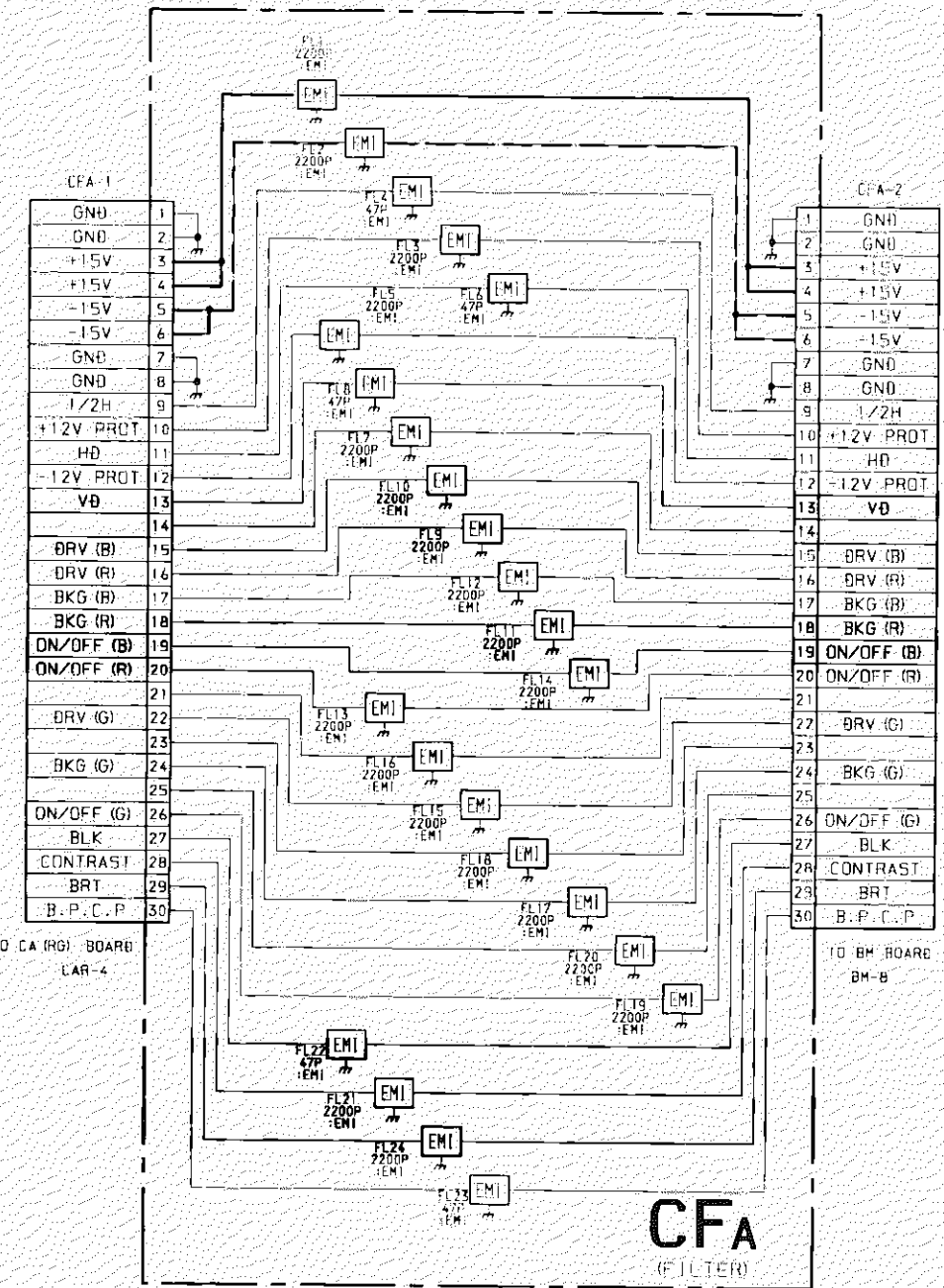
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B-SS1550<U/C>-NA

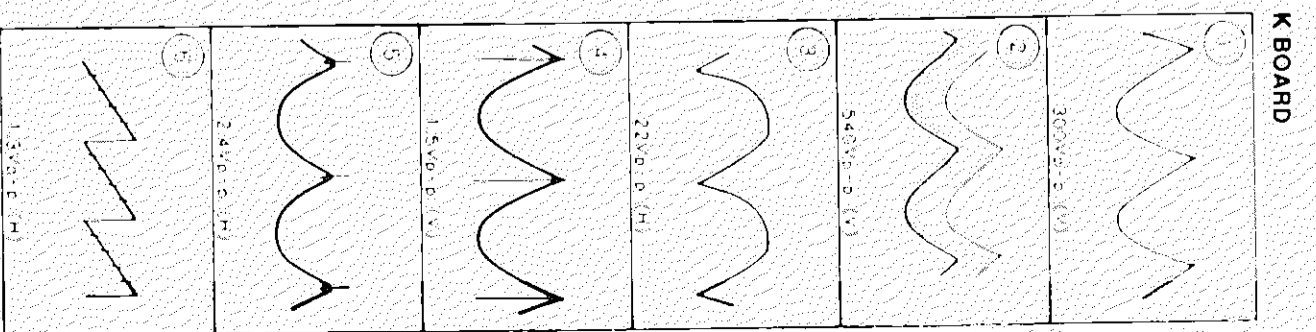
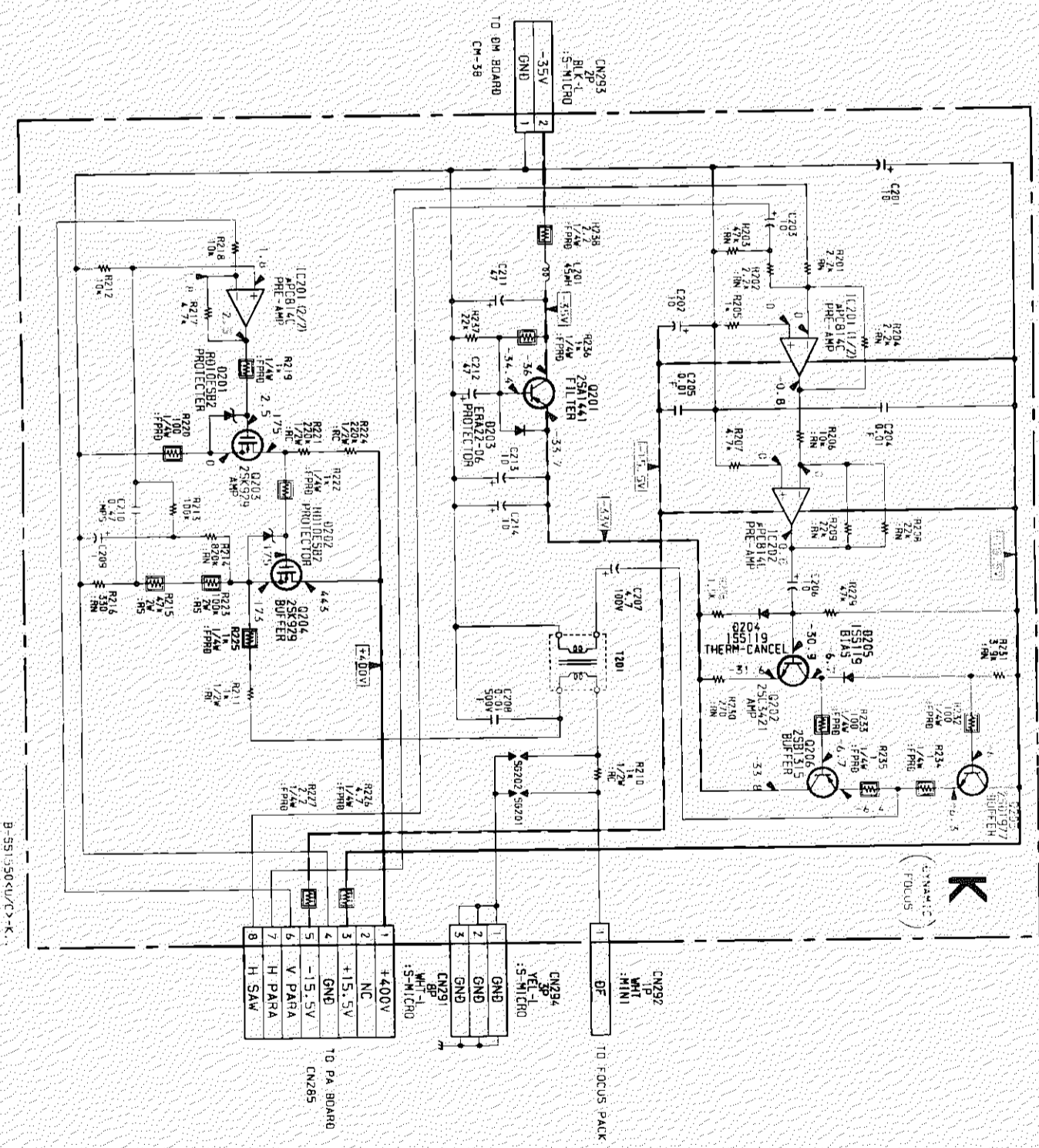
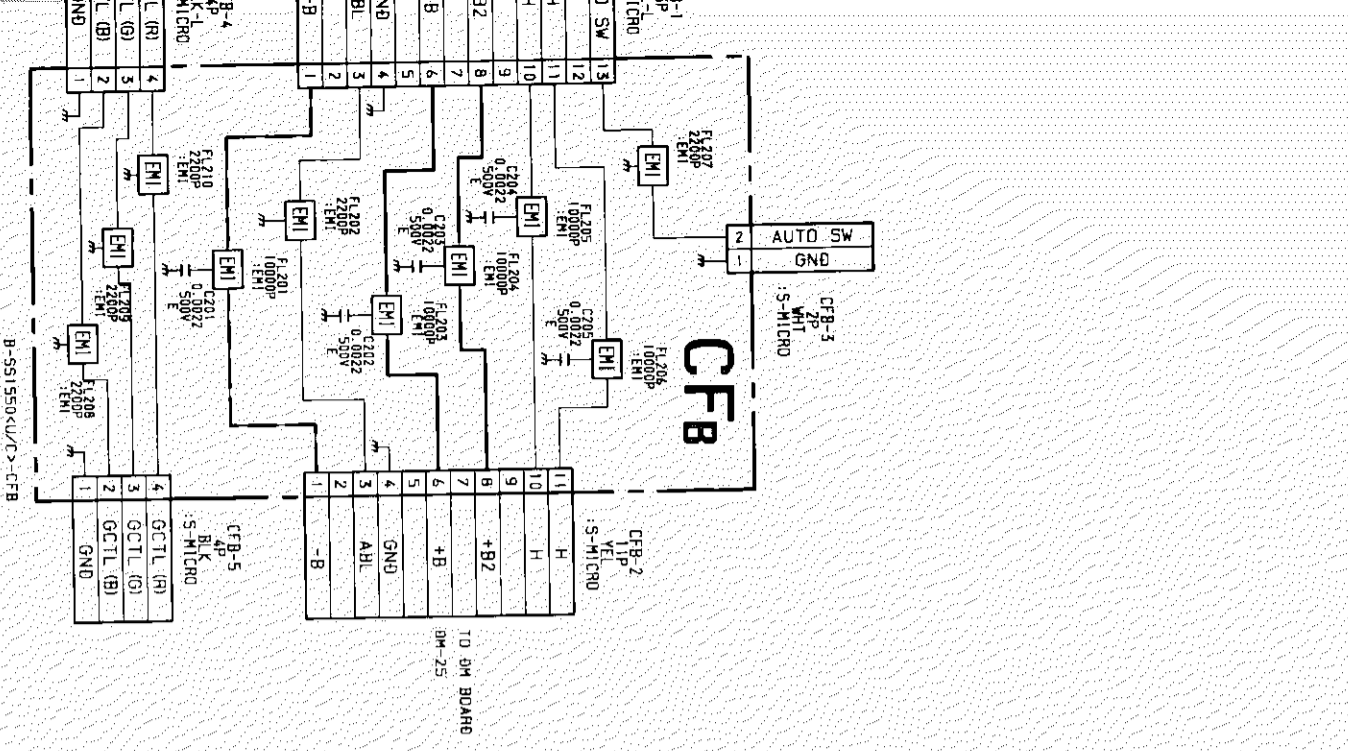


B-SS1550<U/C>-NB



B-SS1550<U/C>-CFA

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



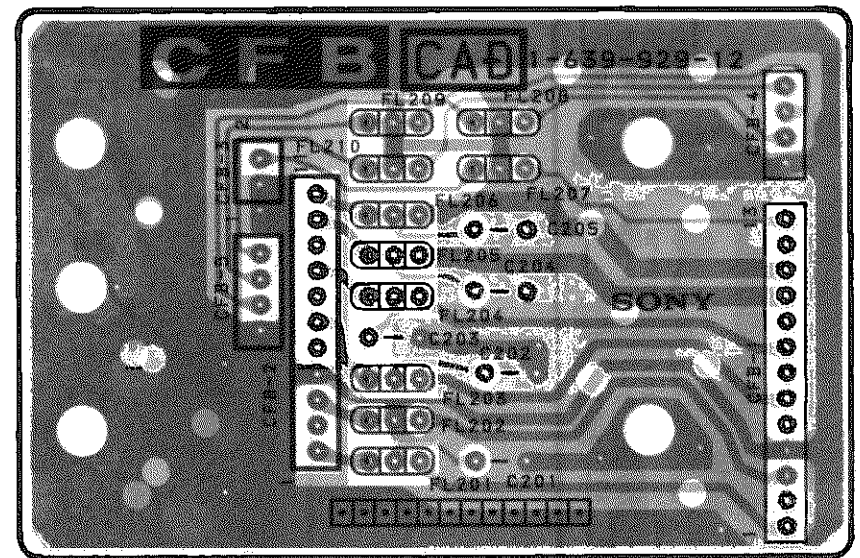
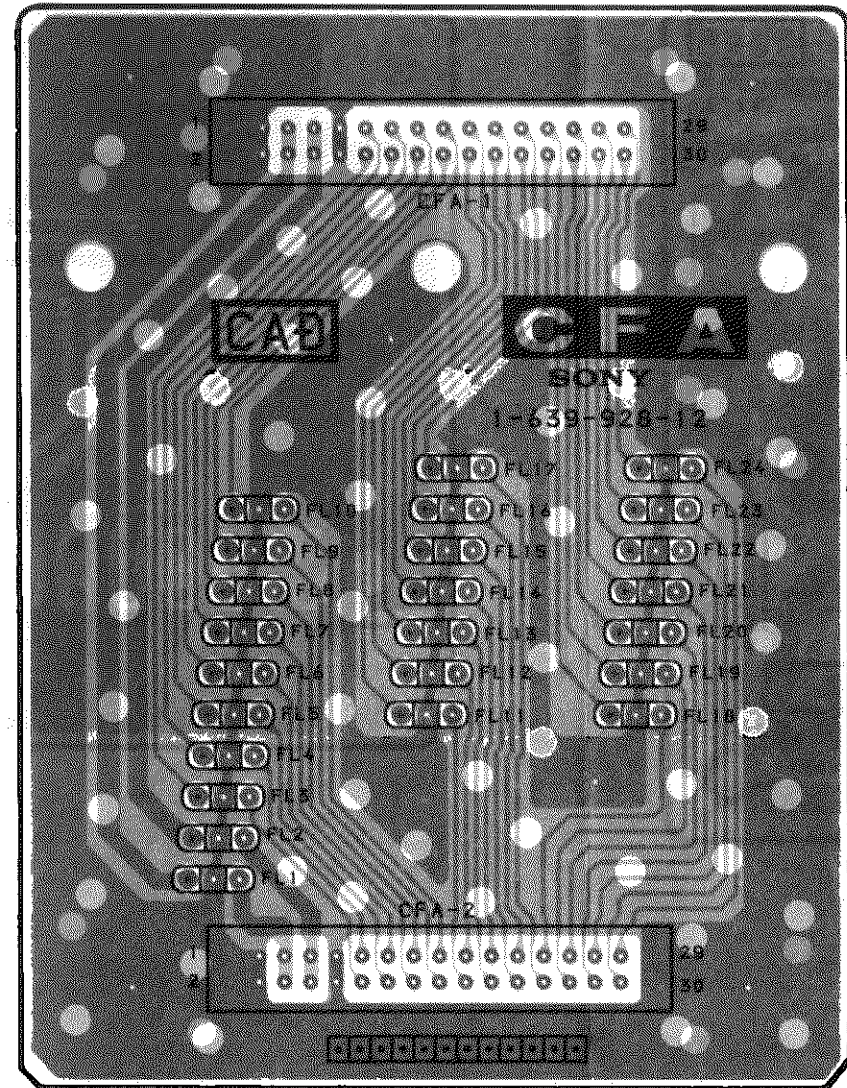
CFA



CFB

[FILTER]

— CFA BOARD —

— CFB BOARD —

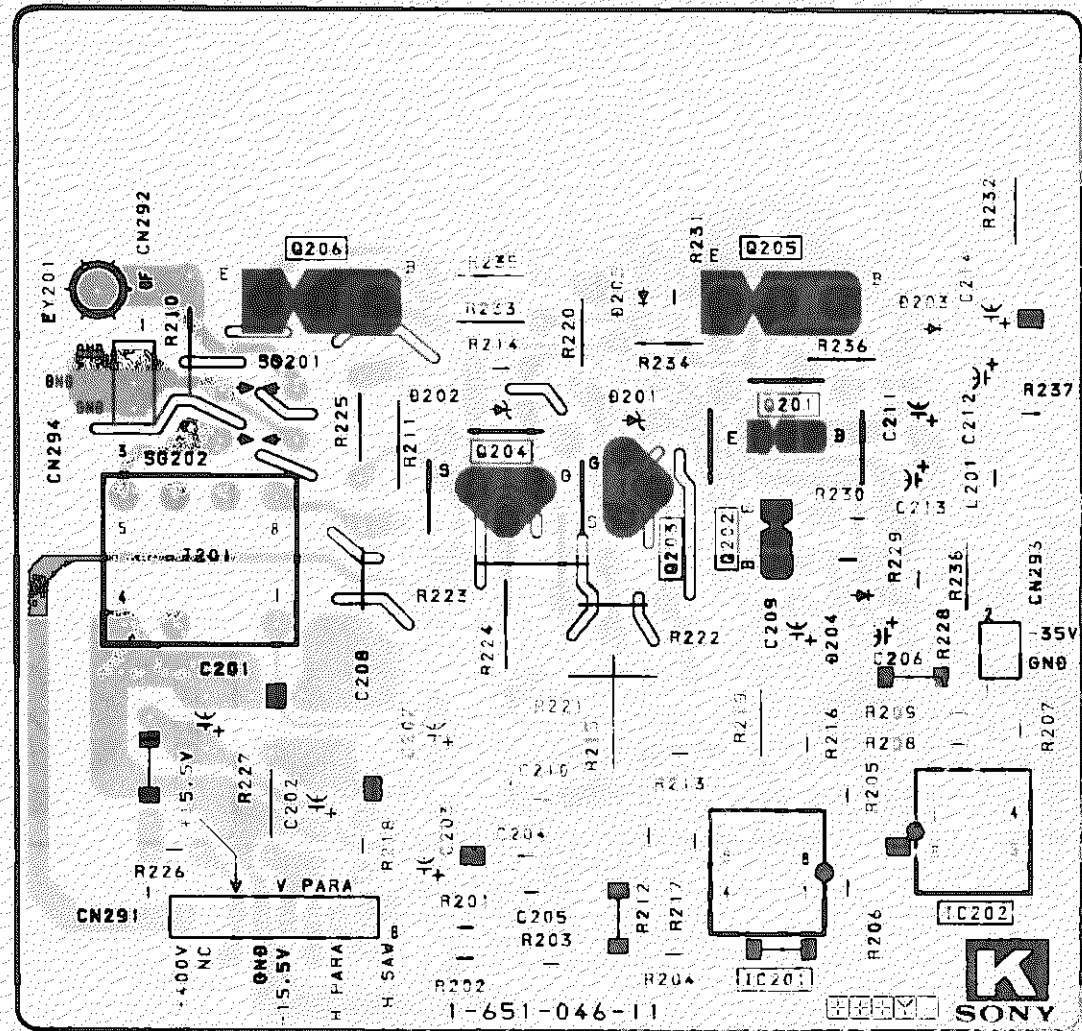


-  : Pattern from the side which enables seeing.
-  : Pattern of the rear side.

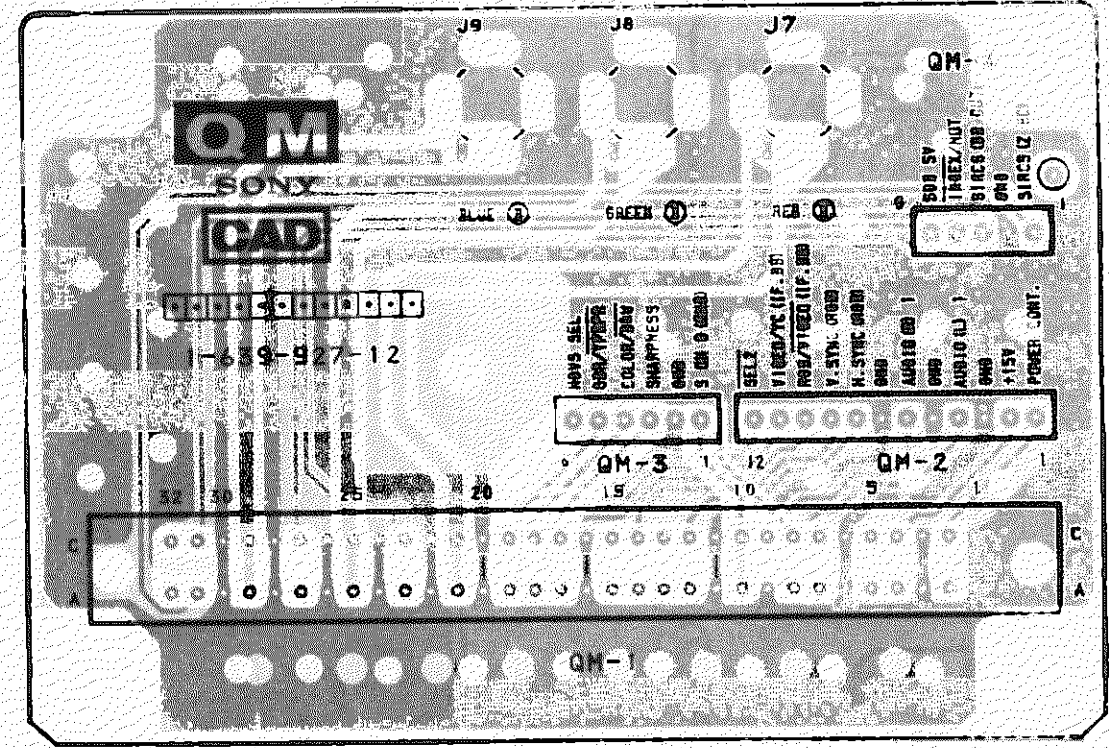
K [DYNAMIC FOCUS]

QM [MOTHER BOARD]

- K BOARD -



- QM BOARD -

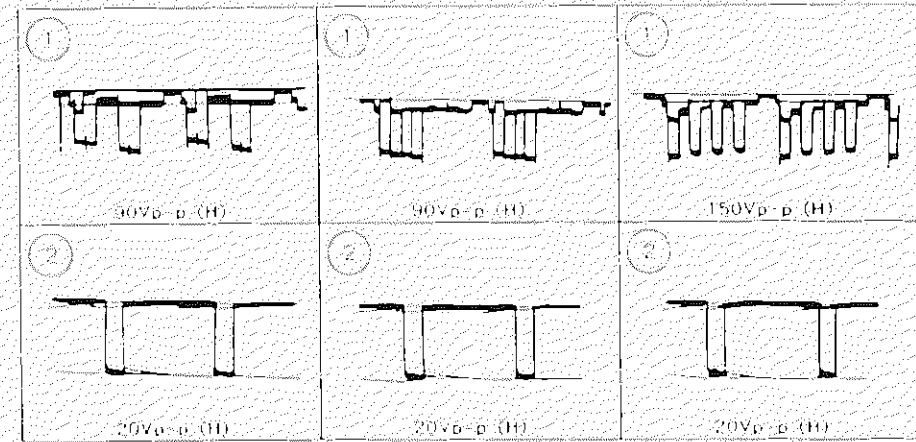


- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

CBR BOARD

CBG BOARD

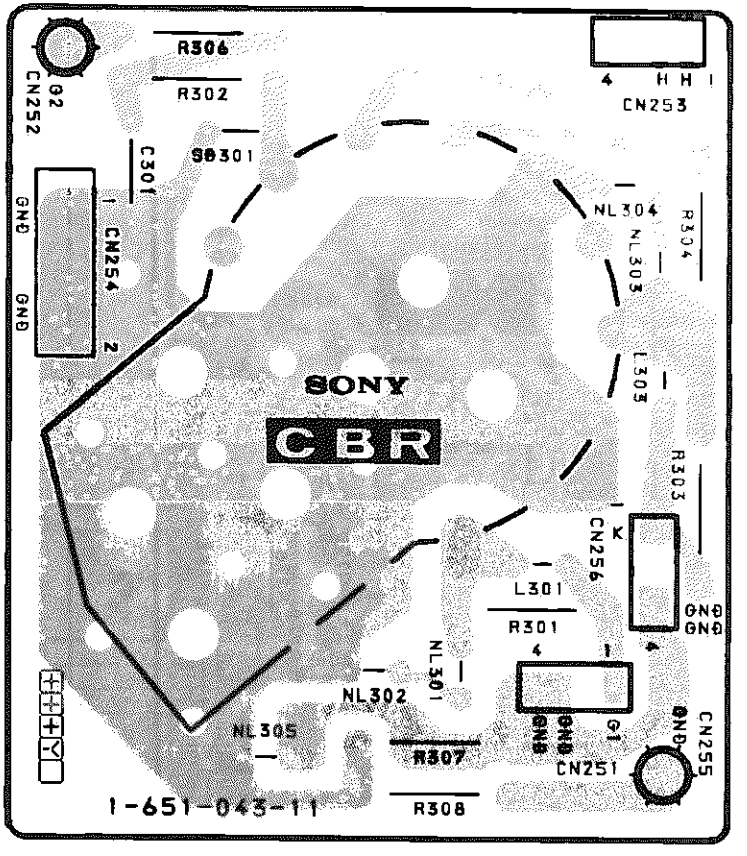
CBB BOARD



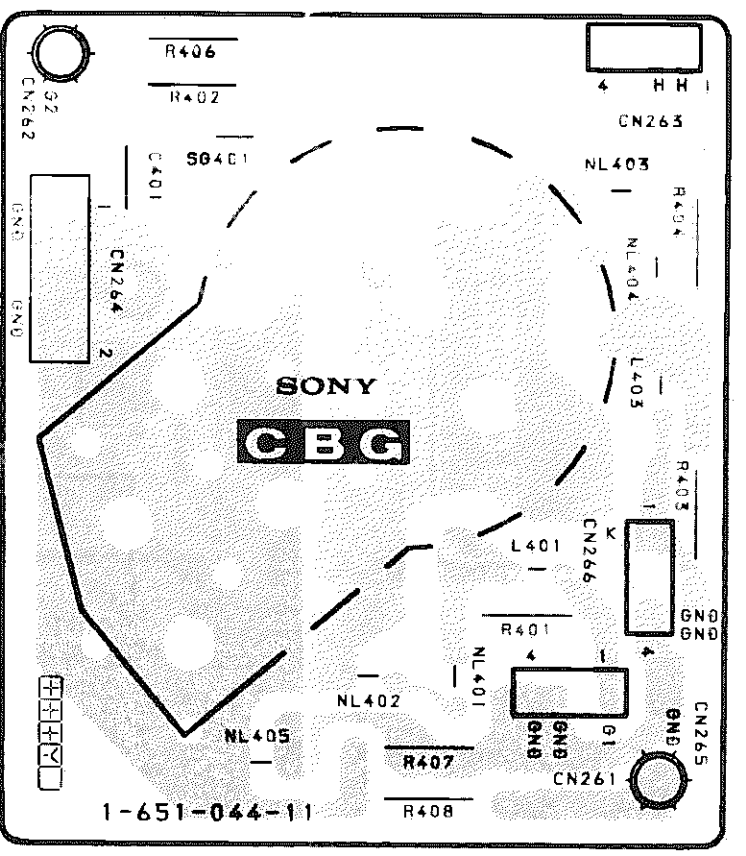
CBR **CBG** **CBB**

[CRT SOCKET]

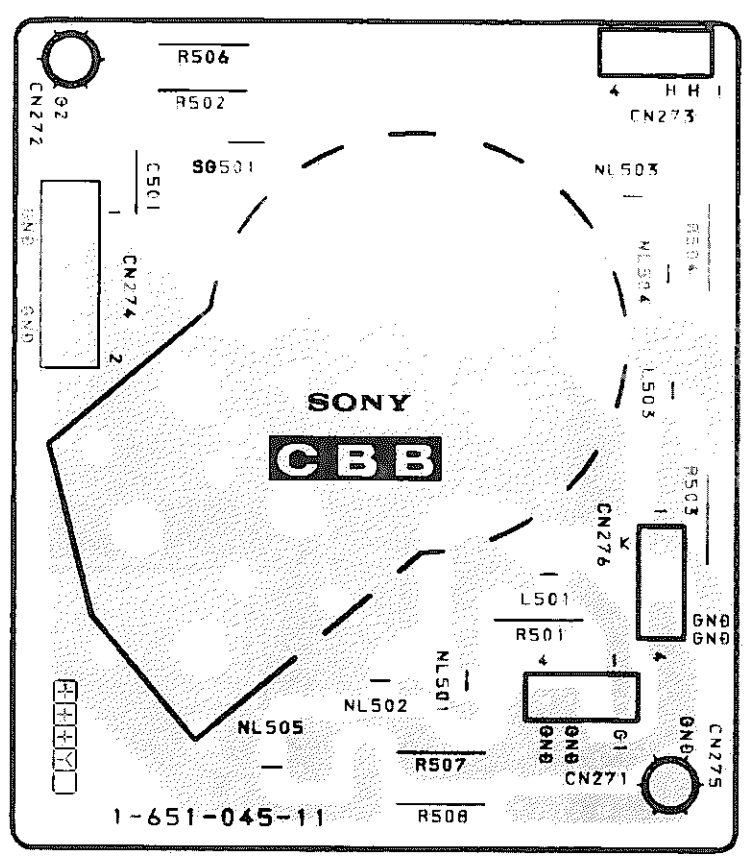
- CBR BOARD -



- CBG BOARD -

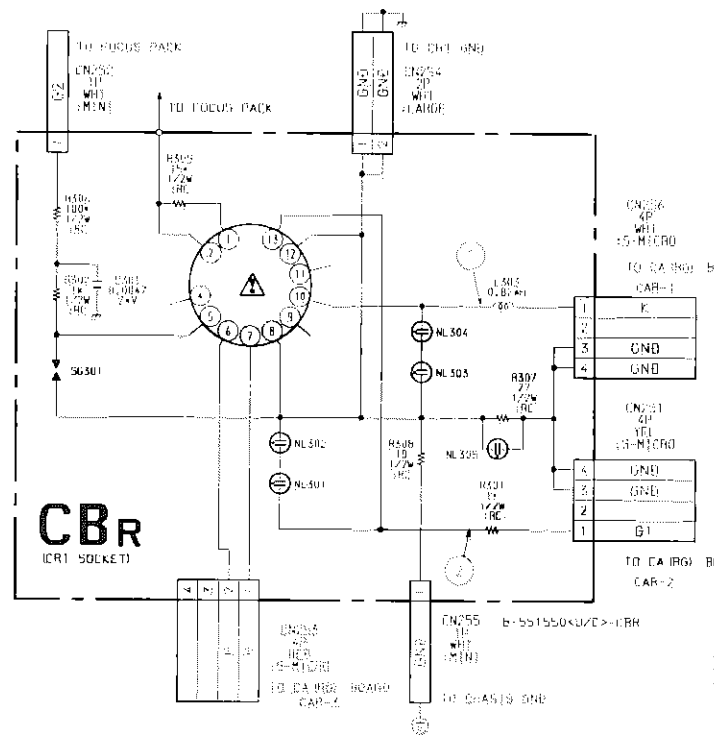
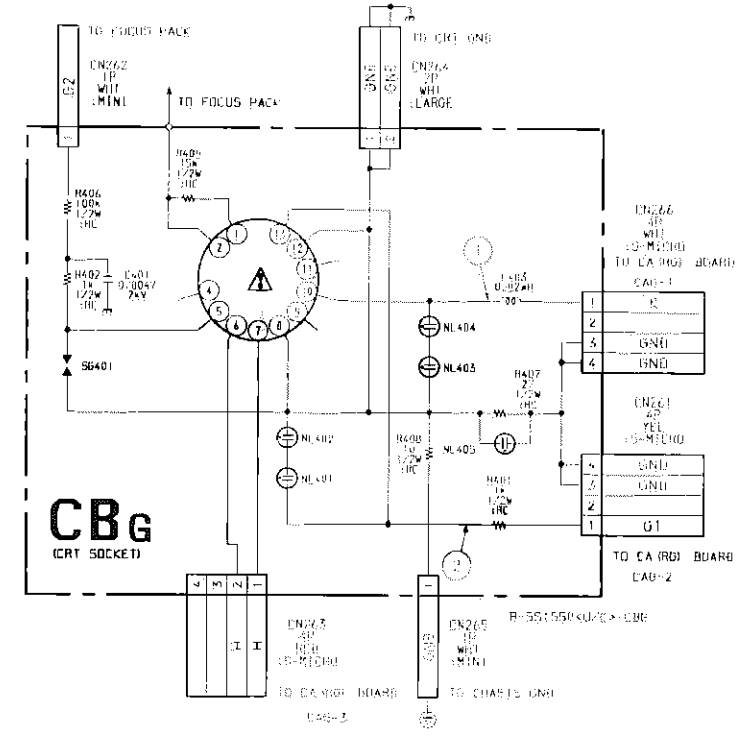
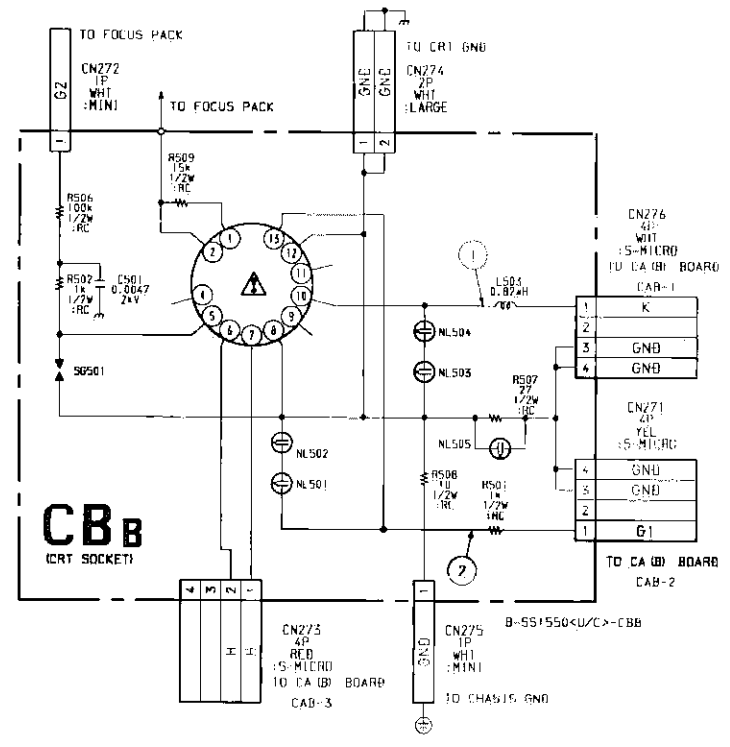
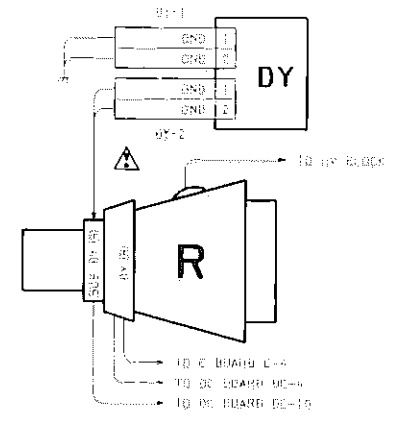
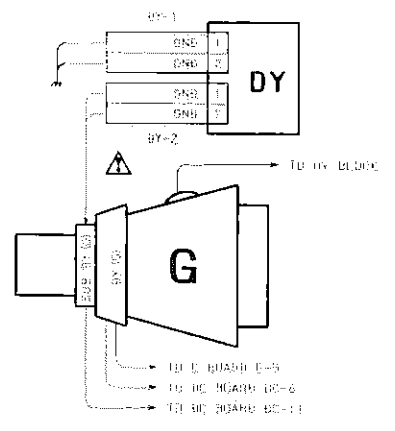
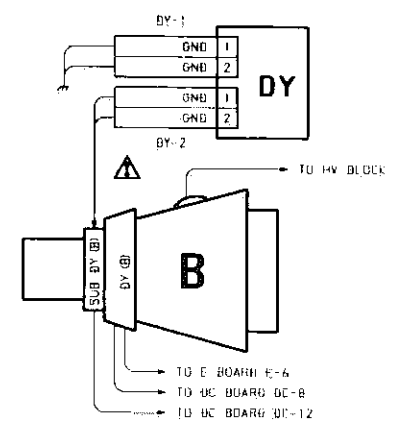


- CBB BOARD -

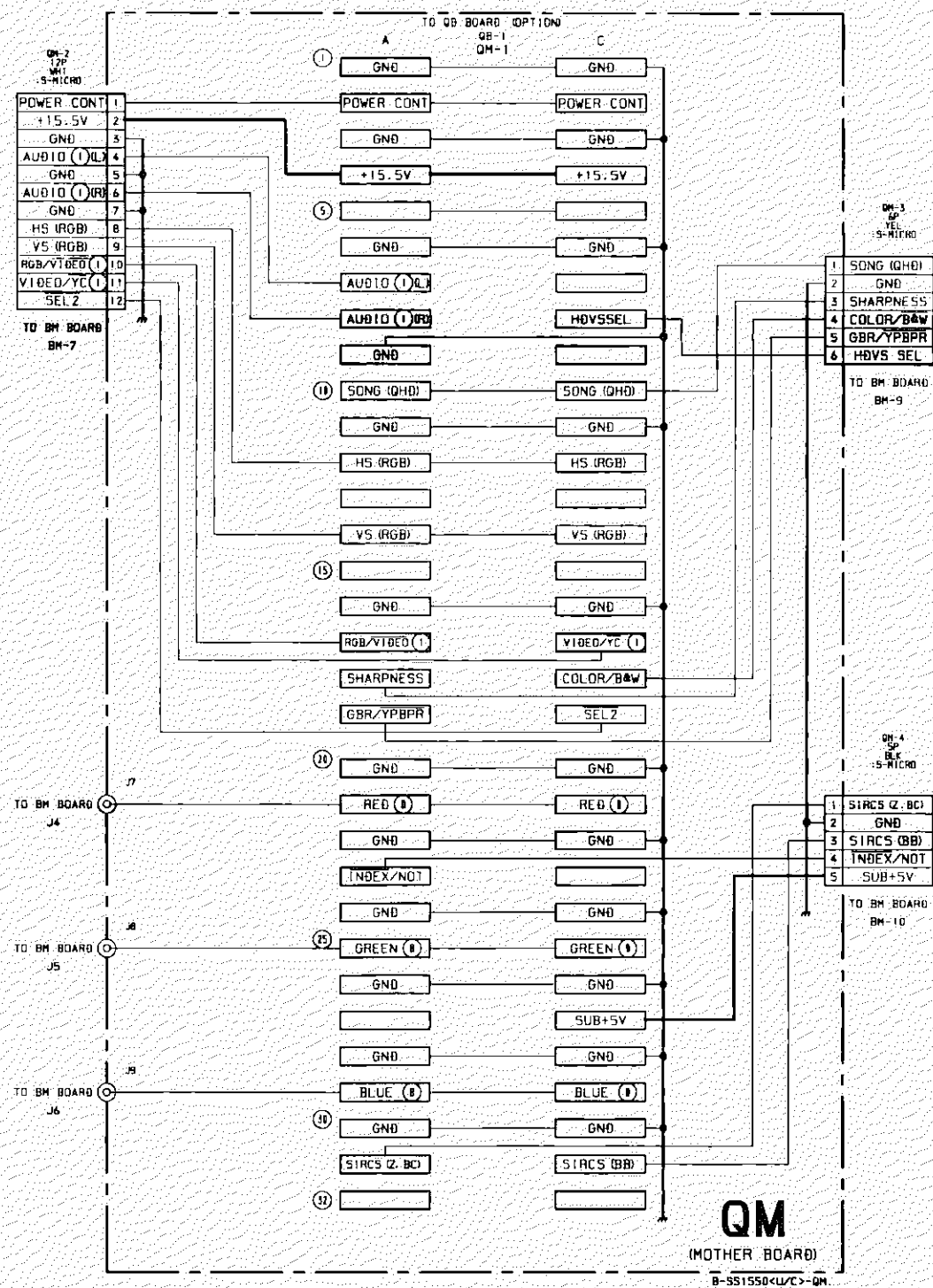
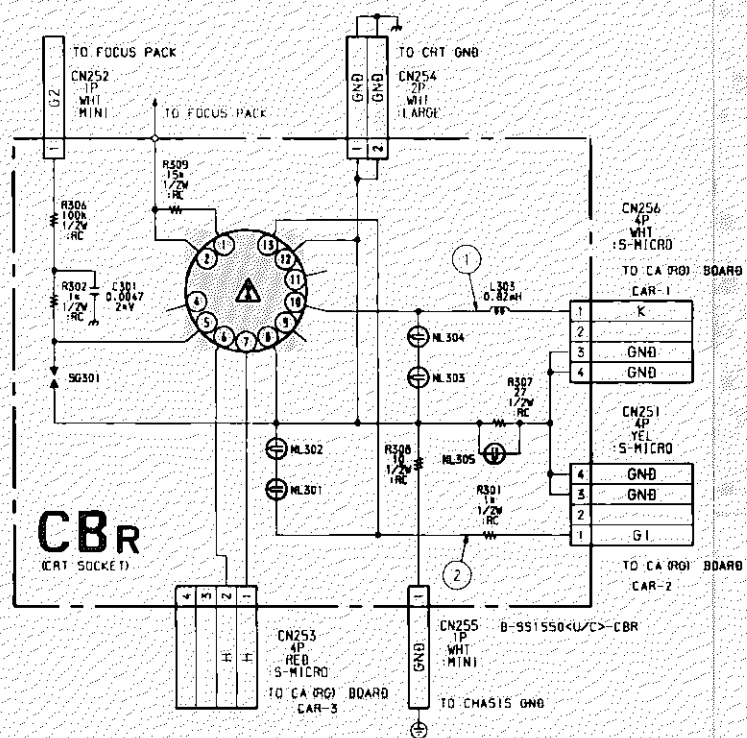
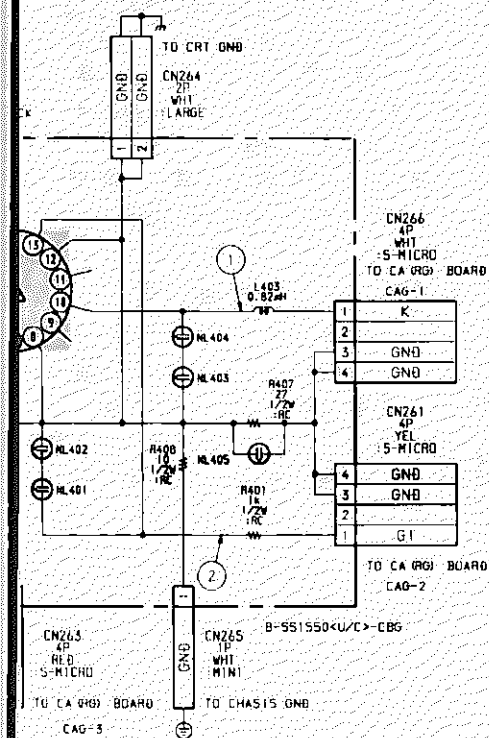
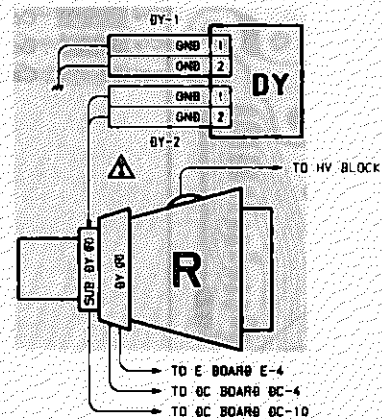
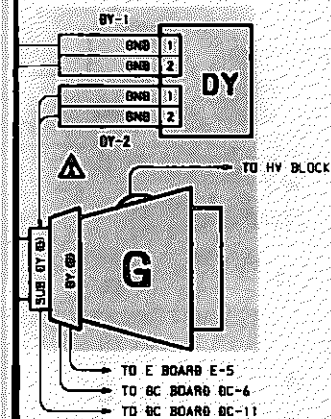


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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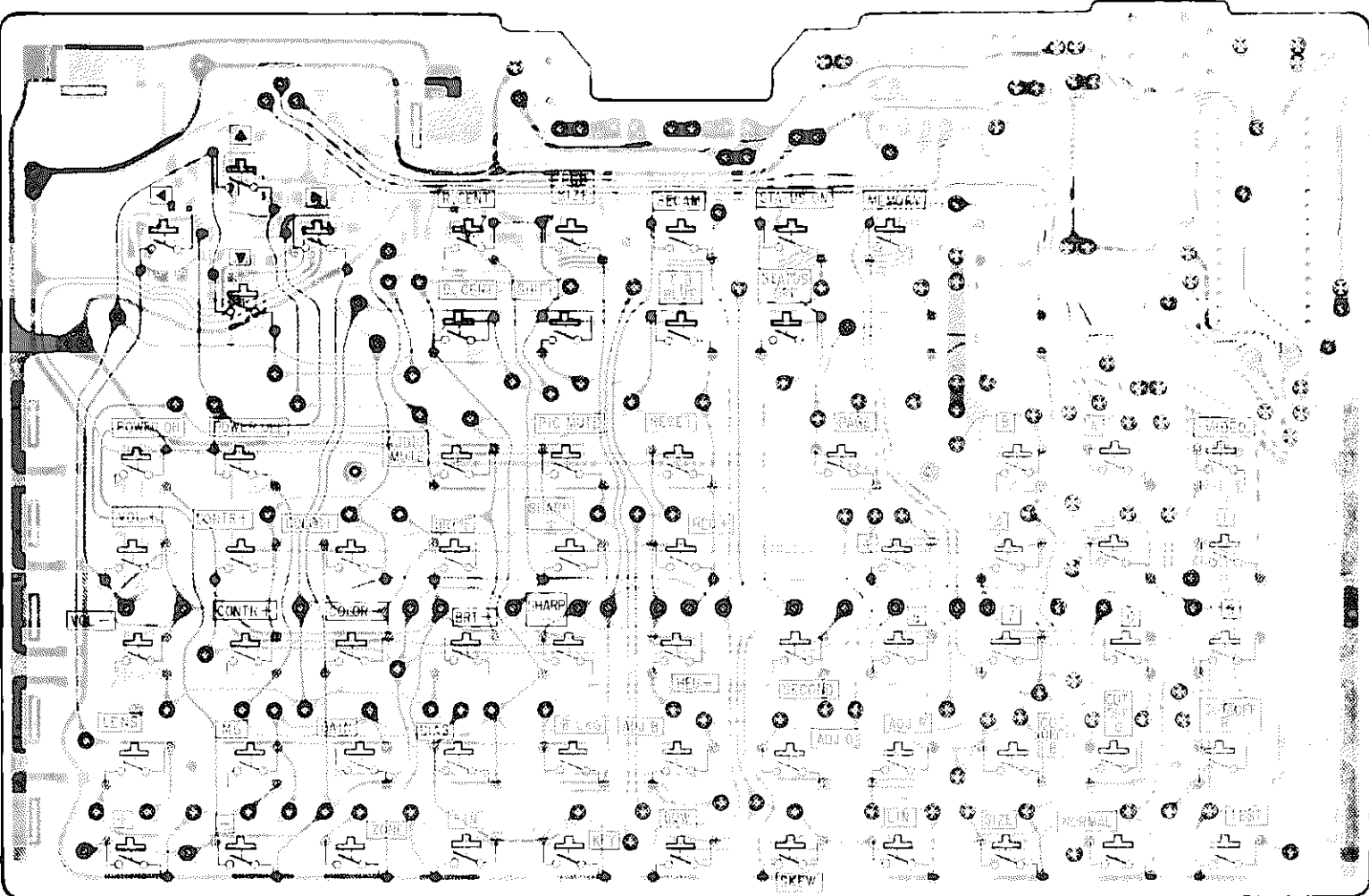
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22



RC RCA RCB RCC RCD

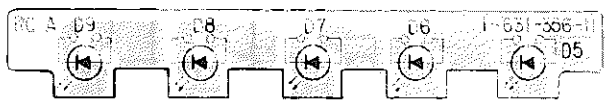
[CONTROL PANEL]

- RC BOARD -

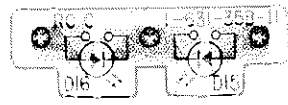


- : Conductor side.
- : Component side.
- : Carbon pattern side.

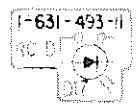
- RCA BOARD -



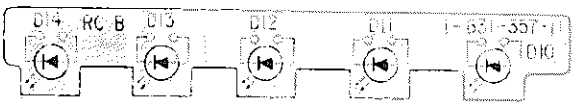
- RCC BOARD -



- RCD BOARD -

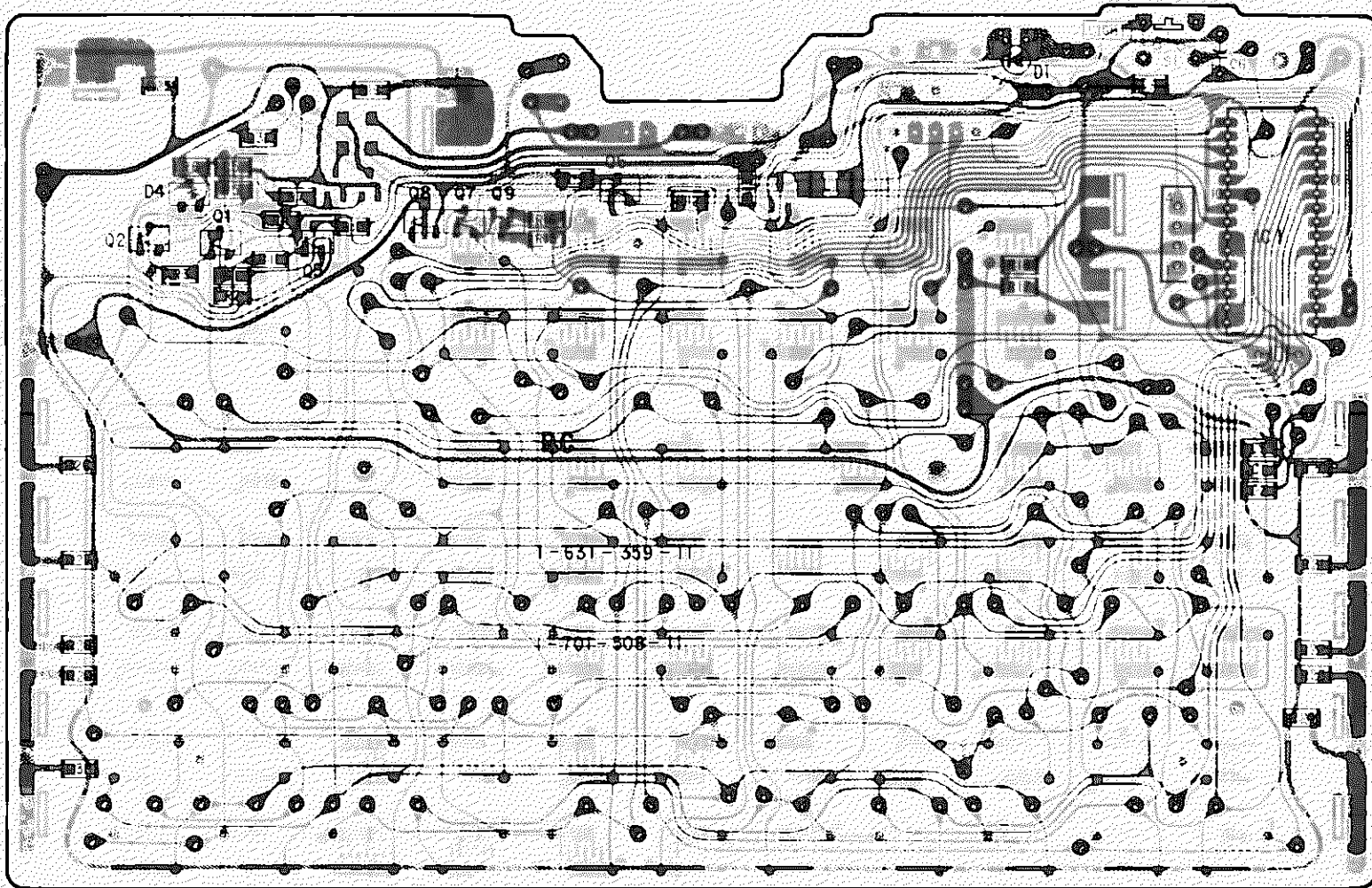





- RCB BOARD -





- RCD BOARD -



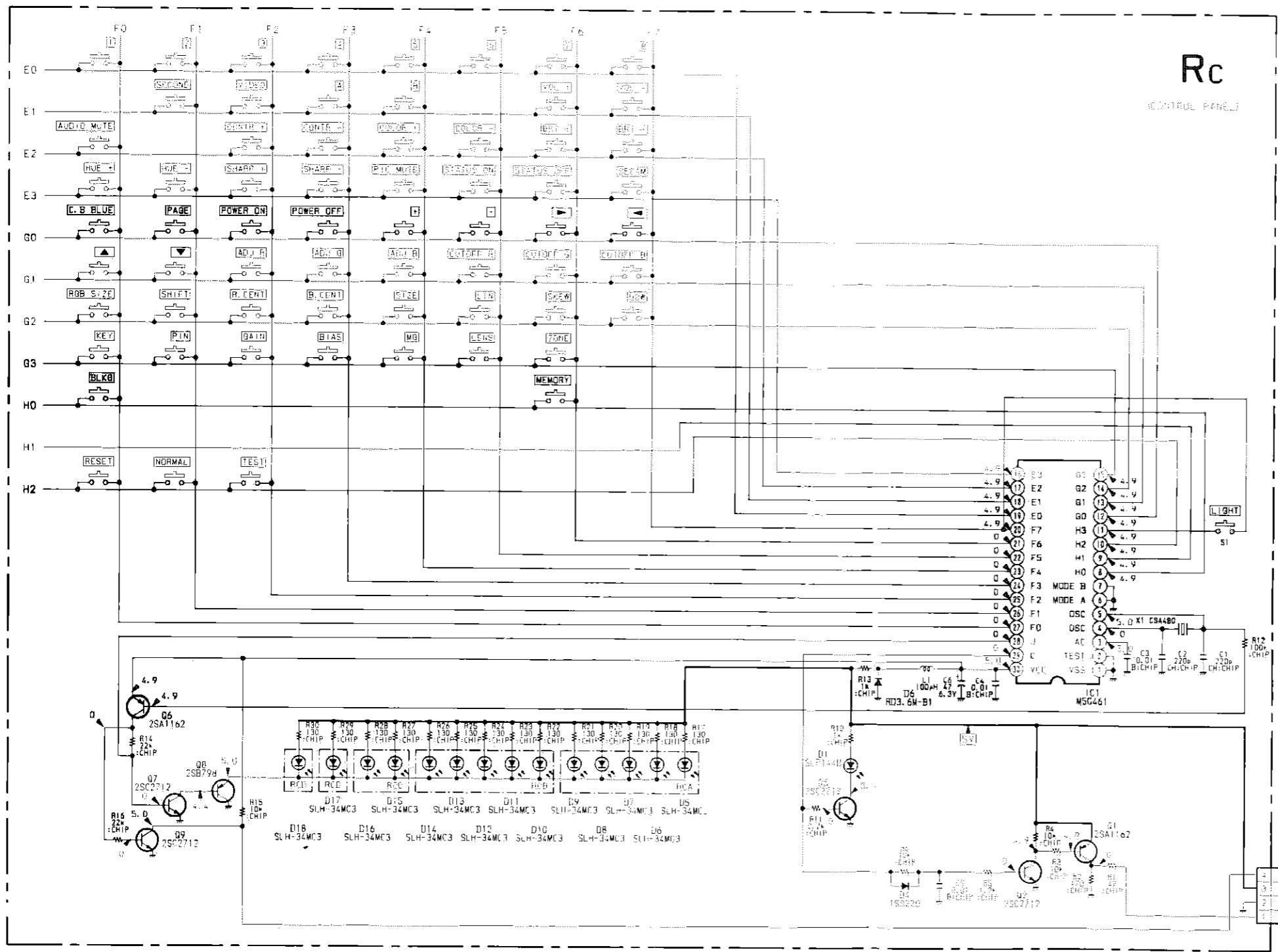


-  : Component side.
-  : Conductor side.
-  : Carbon pattern side.

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

1 2 3 4 5 6 7 8 9 10 11

A B C D E F G H I J



RC	IC1	M50461-157SP	SIRCS ENCODER
	D1	2SA1162	SIRCS BUFFER
	2	2SC2712	SIRCS BUFFER
	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	
8	RD3.6M-B1	VCC CONT	

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

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

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

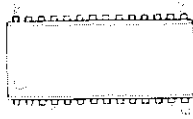
RCD	D1	SLH-34MC3	LIGHT
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2-5. SEMICONDUCTORS

BX1398



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



HD14053BFP
HD14538BFP
HD74HC138FP
MC14053BF
MC74HC157AF
SN74HC138ANS
SN74HC157ANS
TC74HC123AF

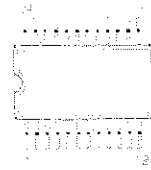


(TOP VIEW)

LM2940CT-5.0
LM7812CT
NJM7812FA
PC7805HF

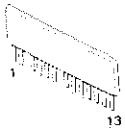


MB86023

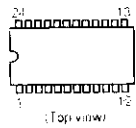


(TOP VIEW)

BX-6473

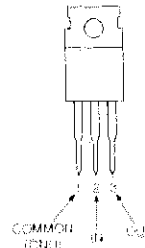


CXK5814P-45L

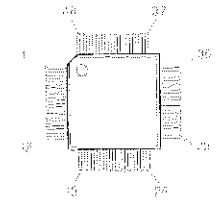


(TOP VIEW)

LM7912CT

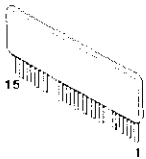


MB8855-1314N

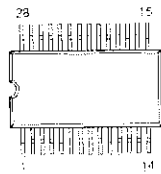


(TOP VIEW)

BX-6474

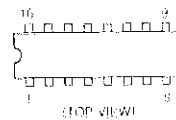


CXK5864BM-12L



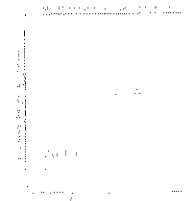
(TOP VIEW)

HD14538BP
HD74HC123AP
MB675429
MC10124L
MC14040BCP
MC14495P1
MC14572UBCP
MC34051P
MC74HC4053N
MC74HC4538AN
MC74HC4538N
SN74S124N
TC4040BP



(TOP VIEW)

MB605E66



MC14001BCP
MC14011BCP
MC1495L
MC74HC00AN
MC74HC132AN
MC74HC132N
PC1394C

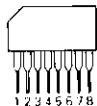


(TOP VIEW)

BX-6475



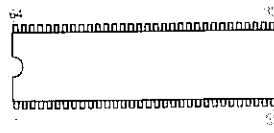
CX23065A
LA7016



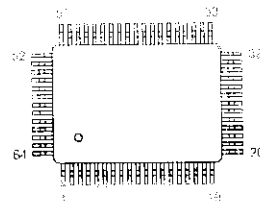
(TOP VIEW)

HD64180R1P8

MB654842UPF
MB671469PF

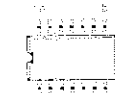


(TOP VIEW)



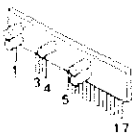
(TOP VIEW)

MC74F00M
MC74HC00AF
MC74HC126AF
MC74HC132AF
MC74HC14AF
SN74HC04ANS
SN74HC107ANS
SN74HC126ANS
SN74HC32ANS
SN74LS12NS

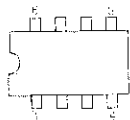


(TOP VIEW)

BX7913

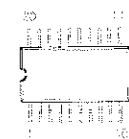


CX7916
LM393P
LM6364N
TL082ACP
TL082CP
PC393C
PC4558C
PC814C



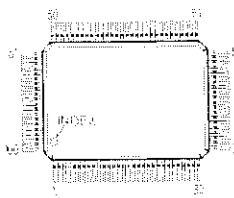
(TOP VIEW)

HD74HC244FP
MC74HC541F
SN74HC244ANS



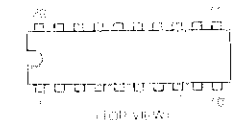
(TOP VIEW)

MB670840PF



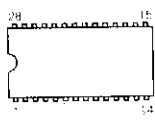
(TOP VIEW)

MC74HC244AN
SN74HC244AN
TC74HC541AP



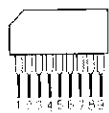
(TOP VIEW)

CXA1158P
CXA1216P
MBM27C512-20
TDA4555/V1
PD28C64ACZ-15



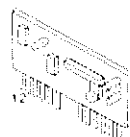
(TOP VIEW)

CX-894

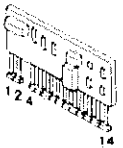
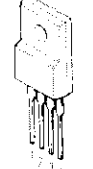



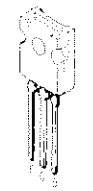


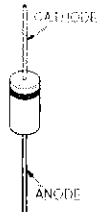
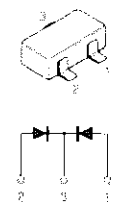

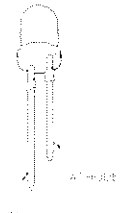
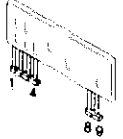
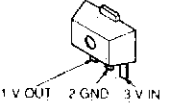

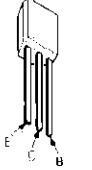
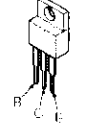

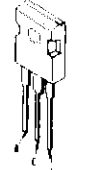
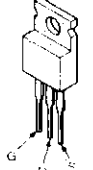
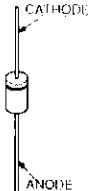

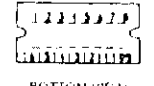
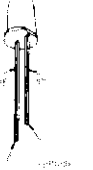


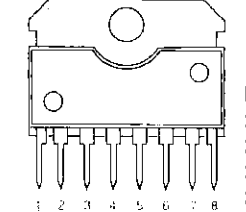
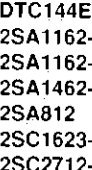
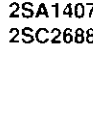
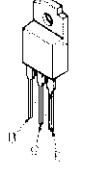
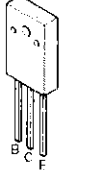
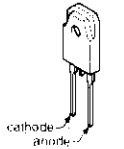
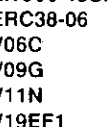
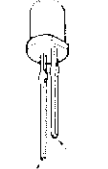
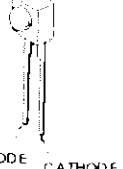
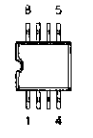
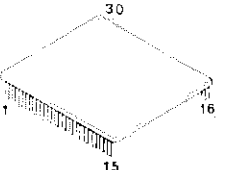
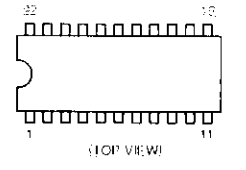
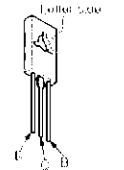
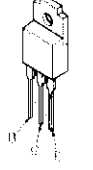

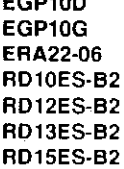
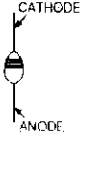
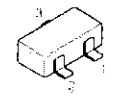
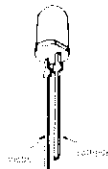

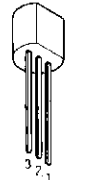



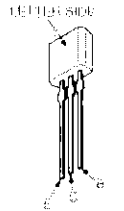

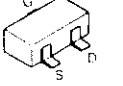
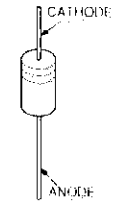
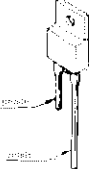
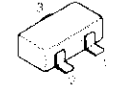

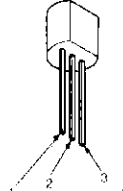
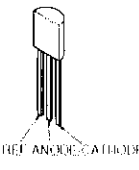
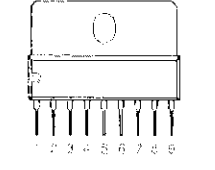

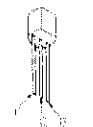
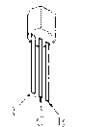
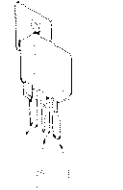
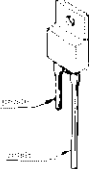
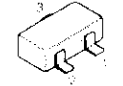
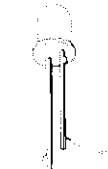


(TOP VIEW)

H8B7178B



Schematic diagrams

<p>MC-8638</p> 	<p>PQ05RF1</p> 	<p>TY885002A</p> 	<p>VPH06</p> 	<p>IMX2</p> 	<p>2SA1358-Y 2SC3421-Y</p> 	<p>2SC3998</p> 	<p>2SK755</p> 	<p>ERA22-08 1SS83</p> 	<p>MA152WK 1S2837</p> 	<p>GL3EG8 SLH-34MC3F</p> 	<p>TLG113A</p> 
<p>MC-8639</p> 	<p>RH5VA43AA</p> 	<p>TY911504</p> 	<p>DTA144ES DTC144ES XDA144ES XDC114ES XDC144ES</p> 	<p>IRFIP250 2SC3675 2SD982</p> 	<p>2SA1428-O 2SC1428-Y 2SC3668-O</p> 	<p>2SC3998CA</p> 	<p>2SJ143 2SK817 2SK929</p> 	<p>ERC91-02 RU-1 RU-1C</p> 	<p>RD12M-B2 RD13M-B2 RD2.4M-B RD3.3M-B2 RD3.6M-B1 RD4.3M-B1 RD5.1M-B2 RD6.2M-B1 1SS184 1SS193 1SS220</p> 	<p>GL-6R202</p> 	<p>TLR113A</p> 
<p>M50461-157SP M50461-164SP</p> 	<p>SBX1483-59</p> 	<p>PC1241H</p> 	<p>DTC144EK 2SA1162-G 2SA1162-YG 2SA1462-Y33 2SA812 2SC1623-L5L6 2SC2712-YG 2SC2859-Y 2SC3545</p> 	<p>2SA1142-P 2SA1381-E 2SA1407-D 2SC2688-LK</p> 	<p>2SA1441</p> 	<p>2SC4054N</p> 	<p>DD50R</p> 	<p>ERC06-15SA ERC38-06 V06C V09G V11N V19EF1</p> 	<p>PY5504S-1</p> 	<p>TLR214</p> 	
<p>NJM2228M PC393G2 PC4558G2 PC814G2-1</p> 	<p>SBX1765-01</p> 	<p>PC1377C</p> 	<p>2SA1175 2SA1175-HFE 2SC2785 2SC2785-HFE</p> 	<p>2SB1315 2SD1977</p> 	<p>2SD1403-CA</p> 	<p>EGP10D EGP10G ERA22-06 RD10ES-B2 RD12ES-B2 RD13ES-B2 RD15ES-B2 RD2.0ES-B2 RD20ES-B2 RD33ES-B2 RD3.3ES-B2 RD39ES-B RD39ES-B2 RD5.1ES-B2 RD6.8ES-B2 1SS119</p> 	<p>ERC88-009</p> 	<p>1SS123 1SS226</p> 	<p>SE303AY</p> 	<p>SLP144B</p> 	
<p>NJM78L05A</p> 	<p>TDA4565</p> 	<p>PC1406HA</p> 	<p>FMS1 FMS2</p> 	<p>2SB734-34 2SC3209LK 2SD774-34</p> 	<p>2SB798-DL</p> 	<p>2SK160-K5 2SK160-K6</p> 	<p>2SK523-M1</p> 	<p>ERD29-08J ERD33-02</p> 	<p>1S2835 1S2836</p> 	<p>SLR-54VC12</p> 	<p>NJM79L12A</p> 
<p>TL431CLP</p> 	<p>PC1498H</p> 	<p>FMW-8 FMW1 FMW2 FMW5</p> 	<p>2SA1208-S 2SC2910 2SD789-34 2SD789-4</p> 	<p>2SC2551-O</p> 	<p>2SK523-M1</p> 	<p>ERC88-009</p> 	<p>1S2835 1S2836</p> 	<p>SLR-54VC12</p> 			

SECTION 3 EXPLODED VIEWS

NOTE:

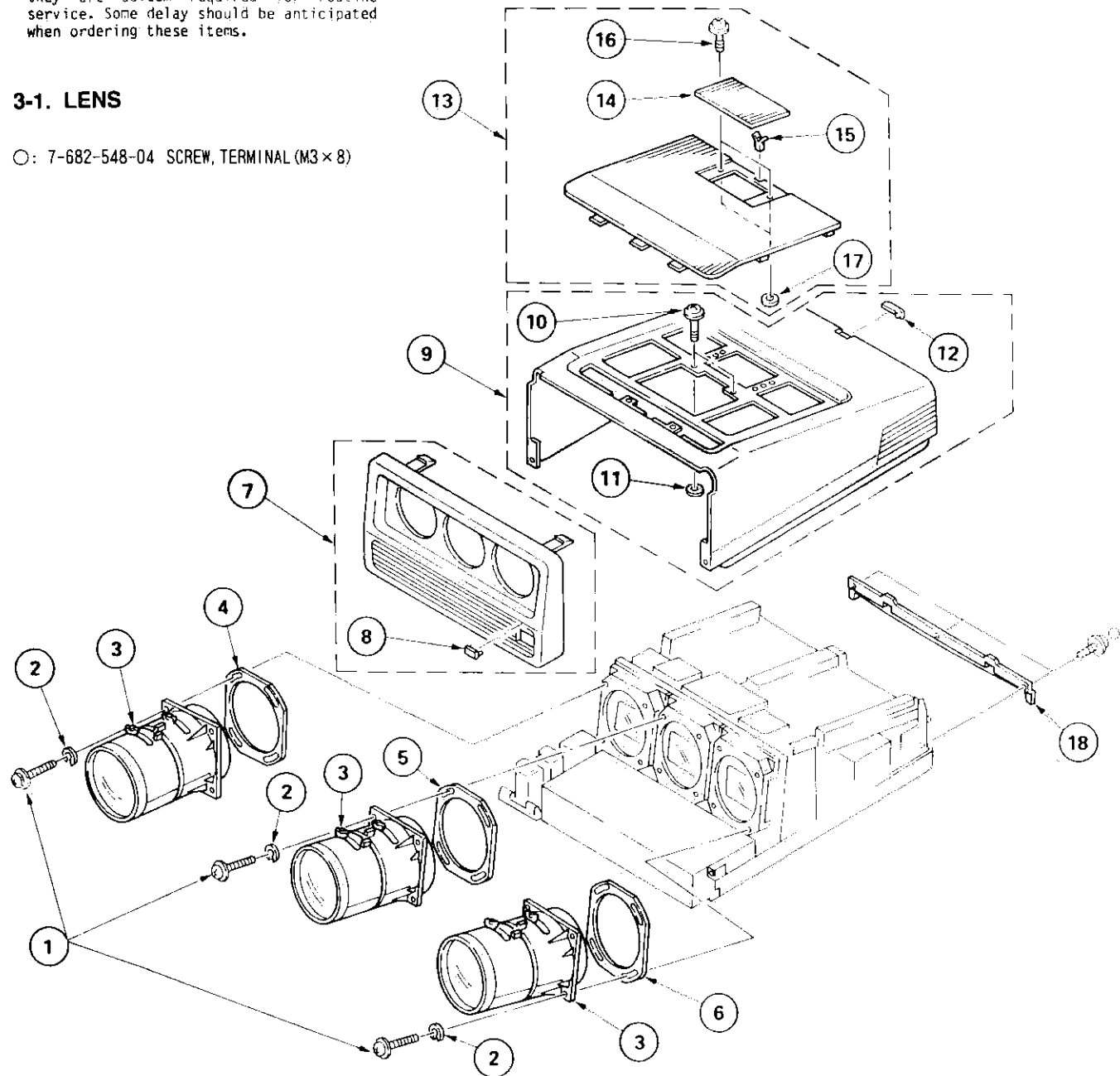
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

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

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

3-1. LENS

○: 7-682-548-04 SCREW, TERMINAL (M3×8)



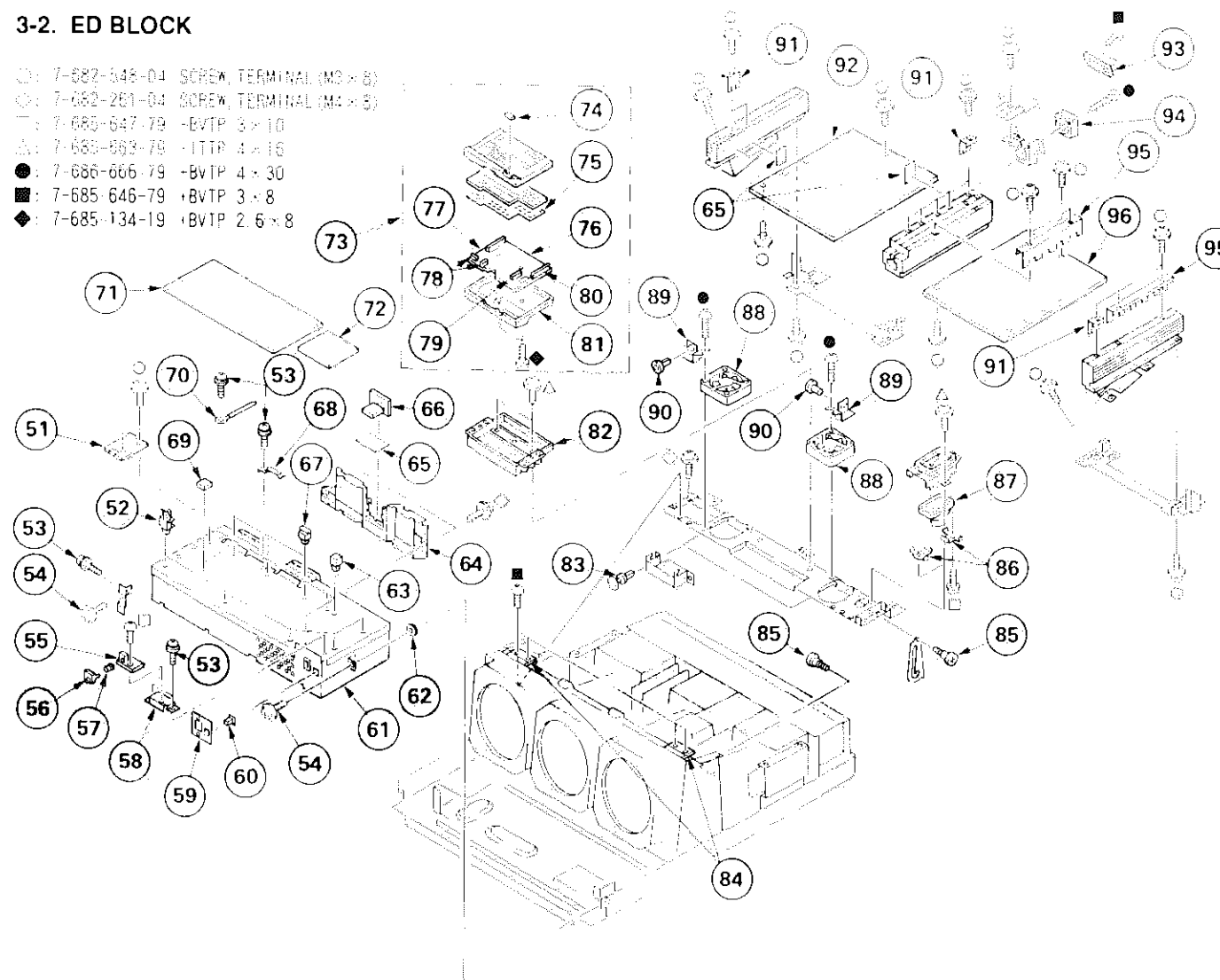
REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	4-034-126-01	SCREW (C)		10	4-033-711-01	SCREW (+PWH M4X20). PREVENTION	
2	4-034-117-01	WASHER, SUPPORT		11	4-033-712-01	WASHER	
3	4-034-141-03	LENS (PT-65)		12	4-395-536-01	PLATE, INDICATE	
4	4-034-143-01	SPACER (B), LENS		13	X-4031-601-1	PLATE, TOP	14-17
5	4-034-144-01	SPACER (G), LENS		14	4-395-506-01	DOOR, CONTROL PANEL	
6	4-034-142-01	SPACER (R), LENS		15	4-392-036-01	CATCHER, PUSH	
7	X-4395-512-4	PANEL ASSY, FRONT	8	16	4-033-713-01	SCREW (+PWH M4X10). PREVENTION	
8	4-395-534-02	FILTER		17	4-033-712-01	WASHER	
9	X-4031-599-1	HOOD ASSY (VPH-1272Q ONLY)	10-12	18	4-395-595-01	HOLDER, CONNECTOR PANEL	
	X-4031-623-1	HOOD ASSY (VPH-1272QM ONLY)	10-12				

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


Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.


3-2. ED BLOCK


- : 7-682-548-04 SCREW, TERMINAL (M3×8)
- ◇: 7-682-261-04 SCREW, TERMINAL (M4×8)
- ▭: 7-685-647-79 -BVTP 3×10
- △: 7-685-663-79 -ITTP 4×16
- : 7-686-666-79 -BVTP 4×30
- : 7-685-646-79 +BVTP 3×8
- ◆: 7-685-134-19 +BVTP 2.6×8




REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
51	4-034-125-01	STOPPER (B), PLATE		74	A-1499-936-A	PANEL ASSY, CONTROL KEY TOP	74-81
52	4-3703-141-00	HOLDER, PCB		75	4-395-501-01	SHEET, RUBBER	
53	4-382-854-01	SCREW (M3X8), P. SW (S)		76	4-395-509-01	RC BOARD	
54	4-033-713-01	SCREW (+PWH M4X10). PREVENTION		77	4-631-359-11	RCA BOARD	
55	A-1390-256-A	NA BOARD, COMPLETE		78	4-631-493-11	RCD BOARD	
56	4-581-650-01	BRACKET (B), RAD, OPTICAL		79	4-631-358-11	RCC BOARD	
57	4-374-987-01	GUIDE, LIGHT		80	4-631-357-11	PCB BOARD	
58	4-043-145-01	HOLDER, NG		81	4-395-508-01	CASE, LOWER	
59	4-042-969-01	PLATE, POWER		82	4-395-584-02	HOLDER, CONTROL PANEL	
60	4-362-811-00	BUTTON, MAIN POWER		83	4-574-303-01	RIVET, NYLON	
61	▲ 4-413-934-11	REGULATOR, SWITCHING (SOPS-1047) (VPH-1272Q ONLY)		84	4-658-816-00	HINGE, FRONT	
	▲ 4-413-935-11	REGULATOR, SWITCHING (SOPS-1074) (VPH-1272QM ONLY)		85	3-671-133-00	SCREW, STEEL	
62	4-033-712-01	WASHER		86	4-383-026-01	SPRING	
63	4-3701-903-00	HOLDER, PC BOARD		87	1-503-255-00	SPEAKER	
64	4-042-902-01	DIRT, FAN		88	1-698-057-11	FAN, DC	
65	4-393-406-01	SHIELD (R), RADIATION		89	4-034-124-01	BRACKET (A), SENSOR	
66	A-1190-190-A	PC BOARD, COMPLETE		90	4-034-118-01	HOLDER (A), SENSOR	
67	4-369-682-00	HOLDER, PC BOARD		91	4-395-528-01	HOLDER (C), TR	
68	4-363-404-00	HOLDER, PC		92	A-1346-190-A	DC BOARD, COMPLETE	
69	4-393-732-01	CUSHION		93	A-1390-256-A	NA BOARD, COMPLETE	
70	4-908-882-01	CLAMP		94	1-541-950-11	FAN, DC	
71	A-1195-081-A	PA BOARD, COMPLETE		95	4-395-533-01	HOLDER (A), TR	
72	A-1380-466-A	K BOARD, COMPLETE		96	A-1346-267-A	DC BOARD, COMPLETE	

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

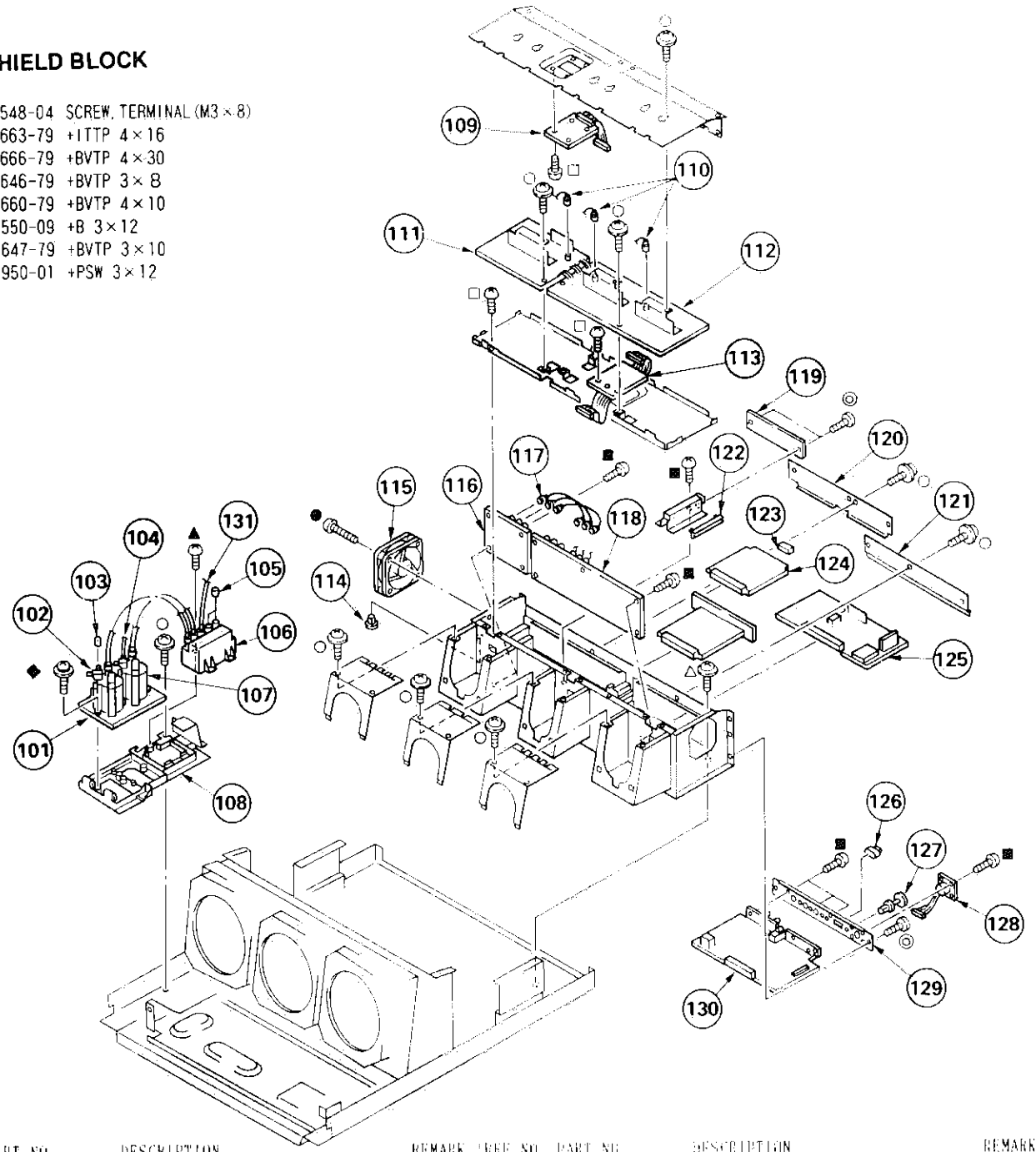
Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

3-3. C SHIELD BLOCK

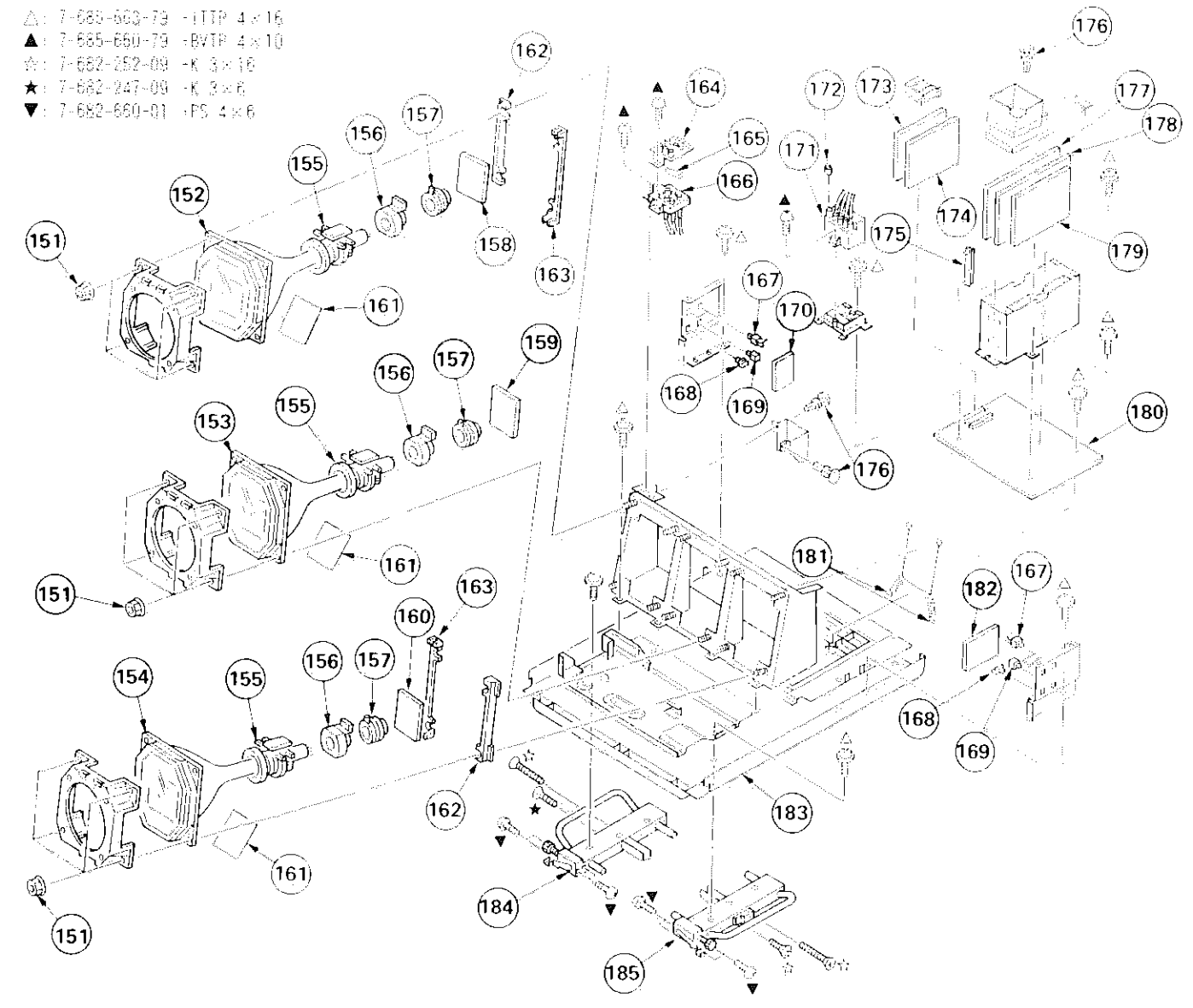
- : 7-682-548-04 SCREW, TERMINAL (M3×8)
- △: 7-685-663-79 +ITTP 4×16
- : 7-685-666-79 +BVTP 4×30
- : 7-685-646-79 +BVTP 3×8
- ▲: 7-685-660-79 +BVTP 4×10
- ◎: 7-682-550-09 +B 3×12
- : 7-685-647-79 +BVTP 3×10
- ◆: 7-682-950-01 +PSW 3×12



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
101	*A-1190-195-A	PB BOARD, COMPLETE		110	*A-1270-304-A	QM BOARD, COMPLETE	
102	▲ 1-453-166-11	TRANSFORMER ASSY, FLYBACK (NX-3030B4)		111	*A-1335-027-A	CA (B) BOARD, COMPLETE	
103	4-042-892-01	CAP, MY		112	*A-1335-026-A	CA (RG) BOARD, COMPLETE	
104	▲ 1-900-086-01	LEAD ASSY, HIGH-VOLTAGE		113	*A-1331-163-A	CFA BOARD, COMPLETE	
105	4-373-137-01	CAP (Z), RUBBER		114	*A-1331-163-A	CFA BOARD, COMPLETE	
106	▲ 1-453-108-31	DC BLOCK, HIGH-VOLTAGE		115	1-698-057-11	FAN, DC	
107	▲ 1-453-166-11	TRANSFORMER ASSY, FLYBACK (NX-3030B4)		116	*A-1335-027-A	CA (B) BOARD, COMPLETE	
108	*A-043-149-01	BRACKET, HV		117	*A-1335-026-A	CA (RG) BOARD, COMPLETE	
109	*A-1331-162-A	CFB BOARD, COMPLETE		118	*A-1331-163-A	CFA BOARD, COMPLETE	
110	*A-1335-110-00	CABLE, P-P		119	*A-1331-163-A	CFA BOARD, COMPLETE	
111	*A-1335-027-A	CA (B) BOARD, COMPLETE		120	*A-1335-692-A	RA BOARD, COMPLETE	
112	*A-1335-026-A	CA (RG) BOARD, COMPLETE		121	*A-1335-692-A	RA BOARD, COMPLETE	
113	*A-1331-163-A	CFA BOARD, COMPLETE		122	*A-1335-692-A	RA BOARD, COMPLETE	
114	*A-1331-163-A	CFA BOARD, COMPLETE		123	*A-1335-692-A	RA BOARD, COMPLETE	
115	1-698-057-11	FAN, DC		124	*A-1335-692-A	RA BOARD, COMPLETE	
116	*A-1335-027-A	CA (B) BOARD, COMPLETE		125	*A-1335-692-A	RA BOARD, COMPLETE	
117	*A-1335-026-A	CA (RG) BOARD, COMPLETE		126	*A-1335-692-A	RA BOARD, COMPLETE	
118	*A-1331-163-A	CFA BOARD, COMPLETE		127	*A-1335-692-A	RA BOARD, COMPLETE	
119	*A-1331-163-A	CFA BOARD, COMPLETE		128	*A-1335-692-A	RA BOARD, COMPLETE	
120	*A-1335-692-A	RA BOARD, COMPLETE		129	*A-1335-692-A	RA BOARD, COMPLETE	
121	*A-1335-692-A	RA BOARD, COMPLETE		130	*A-1335-692-A	RA BOARD, COMPLETE	
122	*A-1335-692-A	RA BOARD, COMPLETE		131	▲ 1-959-865-51	LEAD ASSY, HIGH-VOLTAGE	
123	*A-1335-692-A	RA BOARD, COMPLETE					
124	*A-1335-692-A	RA BOARD, COMPLETE					
125	*A-1335-692-A	RA BOARD, COMPLETE					
126	*A-1335-692-A	RA BOARD, COMPLETE					
127	*A-1335-692-A	RA BOARD, COMPLETE					
128	*A-1335-692-A	RA BOARD, COMPLETE					
129	*A-1335-692-A	RA BOARD, COMPLETE					
130	*A-1335-692-A	RA BOARD, COMPLETE					
131	▲ 1-959-865-51	LEAD ASSY, HIGH-VOLTAGE					

3-4. BASE 1

- △: 7-685-663-79 +ITTP 4×16
- ▲: 7-685-660-79 +BVTP 4×10
- ☆: 7-682-252-09 +K 3×16
- ★: 7-682-247-09 +K 3×6
- ▼: 7-682-660-01 +PS 4×6



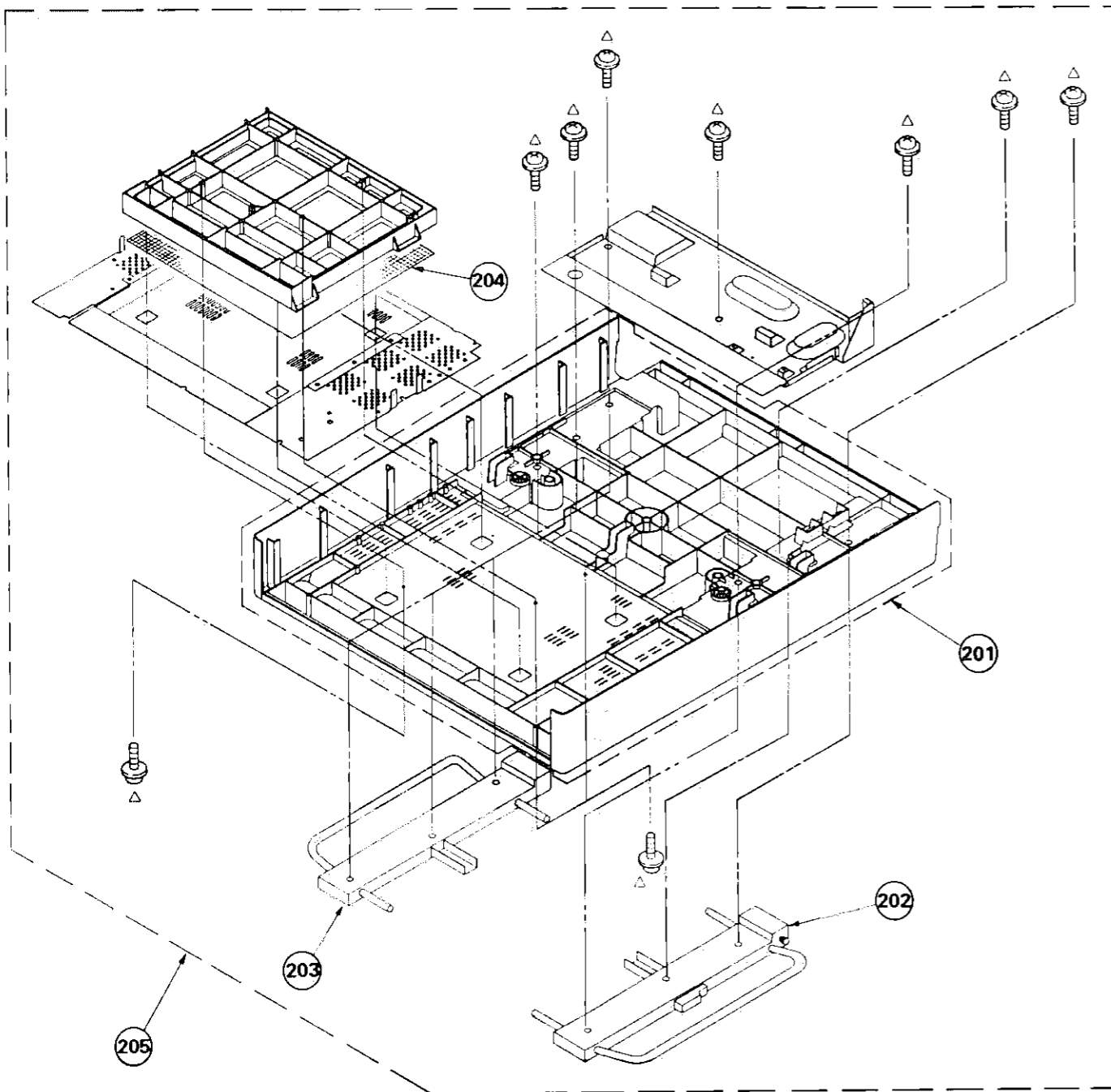
REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
151	4-304-511-00	NUT (M5), FLANGE		169	*A-1380-374-A	RA BOARD, COMPLETE	
152	▲ 8-736-242-05	PICTURE TUBE 07MSP(B)		170	*A-1380-374-A	RA BOARD, COMPLETE	
153	▲ 8-736-241-05	PICTURE TUBE 07MSP(G)		171	▲ 1-453-108-11	DC BLOCK, HIGH-VOLTAGE	
154	▲ 8-736-243-05	PICTURE TUBE 07MSP(R)		172	4-373-137-01	CAP (Z), RUBBER	
155	▲ 1-451-855-11	DEFLECTION YORE (Y636PJ)		173	*A-1346-022-A	DB BOARD, COMPLETE	
156	▲ 1-452-730-11	DEFLECTION YORE, SUB		174	*A-1346-208-A	DE BOARD, COMPLETE	
157	▲ 1-452-429-31	NECK ASSY, PICTURE TUBE (NA306)		175	4-360-309-11	SUPPORT, PC BOARD	
158	*A-1331-326-A	CBG BOARD, COMPLETE		176	4-374-803-01	RIVET, NYLON	
159	*A-1331-325-A	CBG BOARD, COMPLETE		177	*A-1346-189-A	DE BOARD, COMPLETE	
160	*A-1331-324-A	CBG BOARD, COMPLETE		178	*A-1346-191-A	DA BOARD, COMPLETE	
161	4-396-282-01	SHEET (C), ABSORPTION		179	*A-1384-325-A	F BOARD, COMPLETE	
162	4-395-560-01	SPACER (120S), PICTURE TUBE		180	1-659-936-11	DM BOARD	
163	4-395-561-01	SPACER (1200), PICTURE TUBE		181	4-395-774-A	SPRING	
164	4-031-481-01	COVER, FOCUS FAULT		182	*A-1390-257-A	C BOARD, COMPLETE	
165	4-037-163-01	LABEL, SCREEN		183	4-395-588-05	BASE	
166	▲ 1-241-744-21	RESISTOR ASSY (HIGH-VOLTAGE)		184	A-4395-510-1	HANDLE (LEFT) ASSY	
167	*A-1380-374-A	RA BOARD, COMPLETE		185	A-1395-509-1	HANDLE (RIGHT) ASSY	
168	*A-1380-374-A	RA BOARD, COMPLETE					

SECTION 4
ELECTRICAL PARTS LIST

BM **BC**

BASE 2

△: 7-685-663-79 +ITTP 4×16



REF. NO.	PART NO.	DESCRIPTION	REMARK
201	4-395-588-03	BASE	
202	X-4395-510-1	HANDLE (LEFT) ASSY	
203	X-4395-509-1	HANDLE (RIGHT) ASSY	
204	*4-043-151-01	NET, BOTTOM	
205	*X-4031-600-1	BASE ASSY	201-204

NOTE:

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

Les composants identifiés par une trame et une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

• All resistors are in ohms
• F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS
MF : μF, PF : μμF
COILS
MMH : mH, UH : μH

• The components identified by ☒ in this manual 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.

• * : Selected to yield optimum performance.

• There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1130-976-A		BM BOARD, COMPLETE *****		D103	8-719-911-19	DIODE 1SS119	
		<CONNECTOR>		D104	8-719-911-19	DIODE 1SS119	
BM-1	*1-568-984-11	CONNECTOR, MALE 96P		D105	8-719-911-19	DIODE 1SS119	
BM-2	*1-568-981-11	CONNECTOR, MALE 64P		D106	8-719-911-19	DIODE 1SS119	
BM-3	*1-568-982-11	CONNECTOR, FEMALE 96P		D107	8-719-900-95	DIODE V09G	
BM-4	*1-568-982-11	CONNECTOR, FEMALE 96P				<IC>	
BM-5	*1-568-985-11	CONNECTOR, FEMALE 64P		IC101	8-759-007-21	IC MC74HC4053N	
BM-6	*1-568-985-11	CONNECTOR, FEMALE 64P		IC102	8-759-001-00	IC MC74HC132N	
BM-7	*1-564-515-11	PLUG, CONNECTOR 12P		IC103	8-759-001-00	IC MC74HC132N	
BM-8	*1-568-979-11	CONNECTOR 30P		IC104	8-759-054-26	IC HD74HC123AP	
BM-9	*1-564-509-11	PLUG, CONNECTOR 6P		IC105	8-759-701-79	IC NJM7812FA	
BM-10	*1-564-508-11	PLUG, CONNECTOR 5P				<COIL>	
		<SOCKET>		L101	1-459-155-00	COIL (WITH CORE) 45UH	
J1	*1-526-575-00	SOCKET, PLUG 1P				<TRANSISTOR>	
J2	*1-526-575-00	SOCKET, PLUG 1P		Q101	8-729-119-78	TRANSISTOR 2SC2785-HFE	
J3	*1-526-575-00	SOCKET, PLUG 1P		Q102	8-729-119-78	TRANSISTOR 2SC2785-HFE	
J4	*1-526-575-00	SOCKET, PLUG 1P		Q103	8-729-119-78	TRANSISTOR 2SC2785-HFE	
J5	*1-526-575-00	SOCKET, PLUG 1P		Q104	8-729-119-78	TRANSISTOR 2SC2785-HFE	
J6	*1-526-575-00	SOCKET, PLUG 1P		Q105	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		*****				<RESISTOR>	
*A-1130-978-A		BC BOARD, COMPLETE *****		R101	1-247-807-31	CARBON	100 5% 1/4W
		<CONNECTOR>		R102	1-247-807-31	CARBON	100 5% 1/4W
BC-101	*1-568-981-11	CONNECTOR, MALE 64P		R103	1-249-437-11	CARBON	47K 5% 1/4W
		<CAPACITOR>		R104	1-249-437-11	CARBON	47K 5% 1/4W
C101	1-101-004-00	CERAMIC	0.01MF 50V	R105	1-249-437-11	CARBON	47K 5% 1/4W
C102	1-101-004-00	CERAMIC	0.01MF 50V	R106	1-249-429-11	CARBON	10K 5% 1/4W
C103	1-101-004-00	CERAMIC	0.01MF 50V	R107	1-249-421-11	CARBON	2.2K 5% 1/4W
C104	1-101-004-00	CERAMIC	0.01MF 50V	R108	1-249-429-11	CARBON	10K 5% 1/4W
C105	1-124-927-11	ELECT	4.7MF 20% 50V	R109	1-249-429-11	CARBON	10K 5% 1/4W
C106	1-124-927-11	ELECT	4.7MF 20% 50V	R110	1-249-429-11	CARBON	10K 5% 1/4W
C107	1-124-927-11	ELECT	4.7MF 20% 50V	R111	1-249-437-11	CARBON	47K 5% 1/4W
C108	1-124-927-11	ELECT	4.7MF 20% 50V	R112	1-247-807-31	CARBON	100 5% 1/4W
C109	1-126-101-11	ELECT	100MF 20% 16V	R113	1-249-424-11	CARBON	3.9K 5% 1/4W
C110	1-124-907-11	ELECT	10MF 20% 50V	R114	1-247-807-31	CARBON	100 5% 1/4W
C111	1-101-004-00	CERAMIC	0.01MF 50V	R115	1-249-437-11	CARBON	47K 5% 1/4W
		<DIODE>		R116	1-249-424-11	CARBON	3.9K 5% 1/4W
D101	8-719-911-19	DIODE 1SS119		R117	1-249-429-11	CARBON	10K 5% 1/4W
D102	8-719-911-19	DIODE 1SS119		R118	1-249-435-11	CARBON	33K 5% 1/4W
				R119	1-249-435-11	CARBON	33K 5% 1/4W
				R120	1-249-421-11	CARBON	2.2K 5% 1/4W
				R121	1-249-429-11	CARBON	10K 5% 1/4W
				R122	1-249-429-11	CARBON	10K 5% 1/4W

SECTION 4 ELECTRICAL PARTS LIST

BM

BC

NOTE:

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

Les composants identifiés par une trame et une marque **△** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS

• MF : μ F, PF : μ μ F

COILS

• MMH : mH, UH : μ H

- The components identified by **⊗** in this manual 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.
- * : Selected to yield optimum performance.
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

RESISTORS

- All resistors are in ohms
- F : nonflammable

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1130-976-A		BM BOARD, COMPLETE *****		D103	8-719-911-19	DIODE 1SS119	
		<CONNECTOR>		D104	8-719-911-19	DIODE 1SS119	
BM-1	*1-568-984-11	CONNECTOR, MALE 96P		D105	8-719-911-19	DIODE 1SS119	
BM-2	*1-568-981-11	CONNECTOR, MALE 64P					
BM-3	*1-568-982-11	CONNECTOR, FEMALE 96P		D106	8-719-911-19	DIODE 1SS119	
BM-4	*1-568-982-11	CONNECTOR, FEMALE 96P		D107	8-719-900-95	DIODE V09G	
BM-5	*1-568-985-11	CONNECTOR, FEMALE 64P					
		<IC>		IC101	8-759-007-21	IC MC74HC4053N	
BM-6	*1-568-985-11	CONNECTOR, FEMALE 64P		IC102	8-759-001-00	IC MC74HC132N	
BM-7	*1-564-515-11	PLUG, CONNECTOR 12P		IC103	8-759-001-00	IC MC74HC132N	
BM-8	*1-568-979-11	CONNECTOR 30P		IC104	8-759-054-26	IC HD74HC123AP	
BM-9	*1-564-509-11	PLUG, CONNECTOR 6P		IC105	8-759-701-79	IC NJM7812FA	
BM-10	*1-564-508-11	PLUG, CONNECTOR 5P					
		<SOCKET>					
J1	*1-526-575-00	SOCKET, PLUG 1P		L101	1-459-155-00	COIL (WITH CORE) 45UH	
J2	*1-526-575-00	SOCKET, PLUG 1P					
J3	*1-526-575-00	SOCKET, PLUG 1P					
J4	*1-526-575-00	SOCKET, PLUG 1P					
J5	*1-526-575-00	SOCKET, PLUG 1P					
J6	*1-526-575-00	SOCKET, PLUG 1P					

*A-1130-978-A		BC BOARD, COMPLETE *****					
		<CONNECTOR>					
BC-101	*1-568-981-11	CONNECTOR, MALE 64P					
		<CAPACITOR>					
C101	1-101-004-00	CERAMIC	0.01MF	50V			
C102	1-101-004-00	CERAMIC	0.01MF	50V			
C103	1-101-004-00	CERAMIC	0.01MF	50V			
C104	1-101-004-00	CERAMIC	0.01MF	50V			
C105	1-124-927-11	ELECT	4.7MF	20%	50V		
C106	1-124-927-11	ELECT	4.7MF	20%	50V		
C107	1-124-927-11	ELECT	4.7MF	20%	50V		
C108	1-124-927-11	ELECT	4.7MF	20%	50V		
C109	1-126-101-11	ELECT	100MF	20%	16V		
C110	1-124-907-11	ELECT	10MF	20%	50V		
C111	1-101-004-00	CERAMIC	0.01MF	50V			
		<DIODE>					
D101	8-719-911-19	DIODE 1SS119					
D102	8-719-911-19	DIODE 1SS119					
		<RESISTOR>					
R101	1-247-807-31	CARBON	100	5%	1/4W		
R102	1-247-807-31	CARBON	100	5%	1/4W		
R103	1-249-437-11	CARBON	47K	5%	1/4W		
R104	1-249-437-11	CARBON	47K	5%	1/4W		
R105	1-249-437-11	CARBON	47K	5%	1/4W		
R106	1-249-429-11	CARBON	10K	5%	1/4W		
R107	1-249-421-11	CARBON	2.2K	5%	1/4W		
R108	1-249-429-11	CARBON	10K	5%	1/4W		
R109	1-249-429-11	CARBON	10K	5%	1/4W		
R110	1-249-429-11	CARBON	10K	5%	1/4W		
R111	1-249-437-11	CARBON	47K	5%	1/4W		
R112	1-247-807-31	CARBON	100	5%	1/4W		
R113	1-249-424-11	CARBON	3.9K	5%	1/4W		
R114	1-247-807-31	CARBON	100	5%	1/4W		
R115	1-249-437-11	CARBON	47K	5%	1/4W		
R116	1-249-424-11	CARBON	3.9K	5%	1/4W		
R117	1-249-429-11	CARBON	10K	5%	1/4W		
R118	1-249-435-11	CARBON	33K	5%	1/4W		
R119	1-249-435-11	CARBON	33K	5%	1/4W		
R120	1-249-421-11	CARBON	2.2K	5%	1/4W		
R121	1-249-429-11	CARBON	10K	5%	1/4W		
R122	1-249-429-11	CARBON	10K	5%	1/4W		

BC

BA

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
		<RELAY>					
RY101	1-515-757-11	RELAY		C49	1-136-153-00	FILM 0.01MF	5% 50V
RY102	1-515-757-11	RELAY		C50	1-163-033-00	CERAMIC CHIP 0.022MF	50V
RY103	1-515-757-11	RELAY		C51	1-163-031-11	CERAMIC CHIP 0.01MF	50V

*A-1135-692-A	BA BOARD, COMPLETE			C52	1-163-119-00	CERAMIC CHIP 120PF	5% 50V

4-382-854-11	SCREW (M3X10), P, SW (+)			C53	1-163-241-11	CERAMIC CHIP 39PF	5% 50V
		<CONNECTOR>		C54	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
BA-1	*1-568-984-11	CONNECTOR, MALE 96P		C55	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
		<TRAP MODULE>		C56	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
BPF1	1-236-366-11	MODULE, TRAP		C57	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
BPF2	1-236-365-11	MODULE, TRAP		C58	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
		<CAPACITOR>		C59	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C1	1-124-910-11	ELECT 47MF	20% 50V	C60	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C2	1-124-910-11	ELECT 47MF	20% 50V	C61	1-136-177-00	FILM 1MF	5% 50V
C3	1-124-910-11	ELECT 47MF	20% 50V	C62	1-136-177-00	FILM 1MF	5% 50V
C7	1-124-907-11	ELECT 10MF	20% 50V	C63	1-124-122-11	ELECT 100MF	20% 50V
C8	1-124-122-11	ELECT 100MF	20% 50V	C67	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C9	1-124-122-11	ELECT 100MF	20% 50V	C68	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C10	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C69	1-163-120-00	CERAMIC CHIP 130PF	5% 50V
C11	1-124-907-11	ELECT 10MF	20% 50V	C70	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C12	1-124-910-11	ELECT 47MF	20% 50V	C71	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C13	1-124-910-11	ELECT 47MF	20% 50V	C72	1-124-927-11	ELECT 4.7MF	20% 50V
C14	1-124-910-11	ELECT 47MF	20% 50V	C73	1-124-903-11	ELECT 1MF	20% 50V
C15	1-124-910-11	ELECT 47MF	20% 50V	C74	1-136-171-00	FILM 0.33MF	5% 50V
C16	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C75	1-130-479-00	MYLAR 0.0047MF	5% 50V
C17	1-124-910-11	ELECT 47MF	20% 50V	C76	1-136-157-00	FILM 0.022MF	5% 50V
C18	1-124-910-11	ELECT 47MF	20% 50V	C77	1-136-157-00	FILM 0.022MF	5% 50V
C19	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	C78	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C23	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C79	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C24	1-124-910-11	ELECT 47MF	20% 50V	C82	1-136-177-00	FILM 1MF	5% 50V
C25	1-124-910-11	ELECT 47MF	20% 50V	C83	1-124-907-11	ELECT 10MF	20% 50V
C26	1-124-910-11	ELECT 47MF	20% 50V	C84	1-124-910-11	ELECT 47MF	20% 50V
C27	1-124-910-11	ELECT 47MF	20% 50V	C85	1-124-907-11	ELECT 10MF	20% 50V
C28	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C86	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C29	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C87	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C30	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C88	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C31	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C89	1-164-161-11	CERAMIC CHIP 0.0022MF	50V
C32	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C90	1-124-122-11	ELECT 100MF	20% 50V
C33	1-124-907-11	ELECT 10MF	20% 50V	C91	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C34	1-163-109-00	CERAMIC CHIP 47PF	5% 50V	C104	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C35	1-163-093-00	CERAMIC CHIP 10PF	5% 50V	C106	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C36	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C201	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C37	1-124-903-11	ELECT 1MF	20% 50V	C202	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C39	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	C203	1-136-157-00	FILM 0.022MF	5% 50V
C40	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C205	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C41	1-163-031-11	CERAMIC CHIP 0.01MF	5% 50V	C207	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C42	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	C208	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C43	1-124-907-11	ELECT 10MF	20% 50V	C211	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C44	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C212	1-163-224-11	CERAMIC CHIP 7PF	0.25PF 50V
C45	1-163-245-11	CERAMIC CHIP 56PF	5% 50V	C213	1-124-122-11	ELECT 100MF	20% 50V
C46	1-124-119-00	ELECT 330MF	20% 16V	C214	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C47	1-124-119-00	ELECT 330MF	20% 16V	C215	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C48	1-163-035-00	CERAMIC CHIP 0.047MF	50V	C216	1-124-122-11	ELECT 100MF	20% 50V

BA

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C235	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V			<DIODE>	
C236	1-124-907-11	ELECT 10MF	20% 50V	D1	8-719-400-18	DIODE MA152WK	
C237	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	D2	8-719-400-18	DIODE MA152WK	
C238	1-124-907-11	ELECT 10MF	20% 50V	D3	8-719-400-18	DIODE MA152WK	
C239	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	D4	8-719-400-18	DIODE MA152WK	
C240	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	D5	8-719-400-18	DIODE MA152WK	
C241	1-124-927-11	ELECT 4.7MF	20% 50V	D6	8-719-104-34	DIODE 1S2836	
C242	1-124-907-11	ELECT 10MF	20% 50V	D7	8-719-400-18	DIODE MA152WK	
C243	1-124-907-11	ELECT 10MF	20% 50V	D8	8-719-400-18	DIODE MA152WK	
C244	1-124-907-11	ELECT 10MF	20% 50V	D9	8-719-400-18	DIODE MA152WK	
C301	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D10	8-719-400-18	DIODE MA152WK	
C302	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	D11	8-719-800-76	DIODE 1SS226	
C303	1-124-916-11	ELECT 22MF	20% 50V	D12	8-719-400-18	DIODE MA152WK	
C304	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V	D13	8-719-400-18	DIODE MA152WK	
C305	1-124-916-11	ELECT 22MF	20% 50V	D14	8-719-400-18	DIODE MA152WK	
C306	1-124-910-11	ELECT 47MF	20% 50V	D101	8-719-105-46	DIODE RD3.3M-B2	
C307	1-136-169-00	FILM 0.22MF	5% 50V	D102	8-719-105-82	DIODE RD5.1M-B2	
C308	1-124-902-00	ELECT 0.47MF	20% 50V	D103	8-719-400-18	DIODE MA152WK	
C309	1-124-902-00	ELECT 0.47MF	20% 50V	D107	8-719-400-18	DIODE MA152WK	
C310	1-124-902-00	ELECT 0.47MF	20% 50V	D108	8-719-900-95	DIODE V09G	
C311	1-124-916-11	ELECT 22MF	20% 50V	D109	8-719-900-95	DIODE V09G	
C312	1-124-910-11	ELECT 47MF	20% 50V	D110	8-719-105-XX	DIODE RD6.2M-B1	
C313	1-124-910-11	ELECT 47MF	20% 50V	D112	8-719-400-18	DIODE MA152WK	
C314	1-124-910-11	ELECT 47MF	20% 50V	D113	8-719-400-18	DIODE MA152WK	
C315	1-124-910-11	ELECT 47MF	20% 50V	D118	8-719-104-34	DIODE 1S2836	
C316	1-124-902-00	ELECT 0.47MF	20% 50V	D119	8-719-400-18	DIODE MA152WK	
C317	1-126-101-11	ELECT 100MF	20% 16V	D130	8-719-400-18	DIODE MA152WK	
C318	1-124-910-11	ELECT 47MF	20% 50V	D132	8-719-104-34	DIODE 1S2836	
C319	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	D201	8-719-400-18	DIODE MA152WK	
C320	1-163-031-11	CERAMIC CHIP 0.01MF	50V	D301	8-719-400-18	DIODE MA152WK	
C321	1-124-907-11	ELECT 10MF	20% 50V	D303	8-719-400-18	DIODE MA152WK	
C322	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	D304	8-719-105-63	DIODE RD4.3M-B1	
C323	1-124-907-11	ELECT 10MF	20% 50V	D350	8-719-400-18	DIODE MA152WK	
C324	1-124-902-00	ELECT 0.47MF	20% 50V	D351	8-719-400-18	DIODE MA152WK	
C325	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	D352	8-719-400-18	DIODE MA152WK	
C326	1-163-033-00	CERAMIC CHIP 0.022MF	50V			<DELAY LINE>	
C327	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	DL101	1-415-122-31	DELAY LINE, 1H (PAL)	
C328	1-163-033-00	CERAMIC CHIP 0.022MF	50V	DL102	1-402-679-11	DELAY LINE	
C329	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	DL103	1-415-494-11	DELAY LINE, Y	
C330	1-163-105-00	CERAMIC CHIP 33PF	5% 50V	DL104	1-415-494-11	DELAY LINE, Y	
C331	1-136-177-00	FILM 1MF	5% 50V			<FILTER>	
C332	1-136-169-00	FILM 0.22MF	5% 50V	FL1	1-236-164-11	ENCAPSULATED COMPONENT	
C333	1-124-907-11	ELECT 10MF	20% 50V	FL2	1-236-620-11	FILTER, LOW PASS	
C334	1-124-910-11	ELECT 47MF	20% 50V	FL3	1-236-620-11	FILTER, LOW PASS	
C335	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	FL4	1-236-620-11	FILTER, LOW PASS	
C336	1-163-117-00	CERAMIC CHIP 100PF	5% 50V			<IC>	
C337	1-163-089-00	CERAMIC CHIP 6PF	0.25PF 50V	IC1	8-759-300-71	IC HD14053BRP	
C338	1-124-907-11	ELECT 10MF	20% 50V	IC2	8-759-513-47	IC TDA4555/W1	
C339	1-124-903-11	ELECT 1MF	20% 50V	IC3	8-759-932-16	IC TDA4565	
C340	1-124-903-11	ELECT 1MF	20% 50V	IC5	8-759-710-42	IC NJM2228M	
C341	1-124-907-11	ELECT 10MF	20% 50V	IC6	8-759-208-94	IC CX-894	
C342	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	IC7	8-759-300-71	IC HD14053BRP	
C343	1-124-910-11	ELECT 47MF	20% 50V	IC8	8-752-034-85	IC CXA1216P	
C344	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	IC9	8-759-100-96	IC UPC4558G2	
C346	1-124-907-11	ELECT 10MF	20% 50V	IC10	8-741-765-01	IC SBX1765-01	
C347	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	IC11	8-759-979-16	IC CX-7916	
C350	1-163-117-00	CERAMIC CHIP 100PF	5% 50V			<TRIMMER>	
C351	1-124-903-11	ELECT 1MF	20% 50V	CT101	1-141-181-11	CAP, TRIMMER	
C352	1-124-907-11	ELECT 10MF	20% 50V	CT102	1-141-181-11	CAP, TRIMMER	

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
IC12	1-808-891-11	MODULE SNY-9202		Q39	8-729-116-06	TRANSISTOR 2SK160-K6	
IC13	8-759-100-96	IC UPC4558G2		Q40	8-729-116-06	TRANSISTOR 2SK160-K6	
IC14	8-759-929-84	IC SN74LS12NS		Q41	8-729-901-01	TRANSISTOR DTC144EK	
IC15	1-809-576-11	MODULE, H8B7178B		Q43	8-729-901-01	TRANSISTOR DTC144EK	
IC16	8-759-701-79	IC NJM7812FA		Q45	8-729-901-01	TRANSISTOR DTC144EK	
IC17	8-759-504-46	IC PQ05RF1		Q48	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC19	8-759-926-06	IC SN74HC126ANS		Q49	8-729-230-49	TRANSISTOR 2SC2712-YG	
<COIL>				Q50	8-729-230-49	TRANSISTOR 2SC2712-YG	
L101	1-410-470-11	INDUCTOR 10UH		Q51	8-729-230-49	TRANSISTOR 2SC2712-YG	
L102	1-410-209-51	INDUCTOR CHIP 27UH		Q52	8-729-230-49	TRANSISTOR 2SC2712-YG	
L103	1-410-466-41	INDUCTOR 4.7UH		Q118	8-729-230-49	TRANSISTOR 2SC2712-YG	
L104	1-408-406-00	INDUCTOR 5.6UH		Q119	8-729-230-49	TRANSISTOR 2SC2712-YG	
L105	1-404-539-11	COIL		Q120	8-729-230-49	TRANSISTOR 2SC2712-YG	
L106	1-404-554-11	COIL		Q152	8-729-901-01	TRANSISTOR DTC144EK	
L107	1-404-554-11	COIL		Q201	8-729-901-01	TRANSISTOR DTC144EK	
L108	1-404-554-11	COIL		Q202	8-729-230-49	TRANSISTOR 2SC2712-YG	
L109	1-408-397-00	INDUCTOR 1UH		Q203	8-729-230-49	TRANSISTOR 2SC2712-YG	
L110	1-410-466-41	INDUCTOR 4.7UH		Q204	8-729-901-01	TRANSISTOR DTC144EK	
L111	1-410-466-41	INDUCTOR 4.7UH		Q205	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L112	1-410-466-41	INDUCTOR 4.7UH		Q206	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L113	1-459-155-00	COIL (WITH CORE) 45UH		Q207	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L114	1-459-155-00	COIL (WITH CORE) 45UH		Q208	8-729-901-01	TRANSISTOR DTC144EK	
L115	1-459-155-00	COIL (WITH CORE) 45UH		Q209	8-729-230-49	TRANSISTOR 2SC2712-YG	
L116	1-410-466-41	INDUCTOR 4.7UH		Q210	8-729-216-22	TRANSISTOR 2SA1162-G	
L120	1-404-584-11	COIL		Q212	8-729-230-49	TRANSISTOR 2SC2712-YG	
L136	1-408-777-00	INDUCTOR CHIP 10UH		Q213	8-729-216-22	TRANSISTOR 2SA1162-G	
<TRANSISTOR>				Q301	8-729-140-96	TRANSISTOR 2SD774-34	
Q2	8-729-901-01	TRANSISTOR DTC144EK		Q302	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3	8-729-230-49	TRANSISTOR 2SC2712-YG		Q303	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q7	8-729-230-49	TRANSISTOR 2SC2712-YG		Q304	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8	8-729-901-01	TRANSISTOR DTC144EK		Q305	8-729-901-01	TRANSISTOR DTC144EK	
Q9	8-729-230-49	TRANSISTOR 2SC2712-YG		Q306	8-729-901-01	TRANSISTOR DTC144EK	
Q10	8-729-230-49	TRANSISTOR 2SC2712-YG		Q307	8-729-901-01	TRANSISTOR DTC144EK	
Q11	8-729-230-49	TRANSISTOR 2SC2712-YG		Q308	8-729-901-01	TRANSISTOR DTC144EK	
Q12	8-729-216-22	TRANSISTOR 2SA1162-G		Q309	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q13	8-729-230-49	TRANSISTOR 2SC2712-YG		Q310	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q14	8-729-230-49	TRANSISTOR 2SC2712-YG		Q311	8-729-901-01	TRANSISTOR DTC144EK	
Q15	8-729-901-01	TRANSISTOR DTC144EK		Q312	8-729-901-01	TRANSISTOR DTC144EK	
Q16	8-729-901-01	TRANSISTOR DTC144EK		Q313	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q17	8-729-230-49	TRANSISTOR 2SC2712-YG		Q314	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q18	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q315	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q19	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q316	8-729-901-01	TRANSISTOR DTC144EK	
Q20	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q317	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q21	8-729-901-01	TRANSISTOR DTC144EK		Q318	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q22	8-729-901-01	TRANSISTOR DTC144EK		Q319	8-729-901-01	TRANSISTOR DTC144EK	
Q23	8-729-901-01	TRANSISTOR DTC144EK		Q320	8-729-901-01	TRANSISTOR DTC144EK	
Q24	8-729-901-01	TRANSISTOR DTC144EK		Q321	8-729-901-01	TRANSISTOR DTC144EK	
Q25	8-729-901-01	TRANSISTOR DTC144EK		Q322	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q26	8-729-901-01	TRANSISTOR DTC144EK		Q323	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q27	8-729-901-01	TRANSISTOR DTC144EK		Q324	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q28	8-729-230-49	TRANSISTOR 2SC2712-YG		Q325	8-729-901-01	TRANSISTOR DTC144EK	
Q29	8-729-216-22	TRANSISTOR 2SA1162-G		Q326	8-729-901-01	TRANSISTOR DTC144EK	
Q30	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q327	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q31	8-729-216-22	TRANSISTOR 2SA1162-G		Q329	8-729-116-06	TRANSISTOR 2SK160-K6	
Q32	8-729-216-22	TRANSISTOR 2SA1162-G		Q330	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q33	8-729-230-49	TRANSISTOR 2SC2712-YG		Q336	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q34	8-729-230-49	TRANSISTOR 2SC2712-YG		Q337	8-729-216-22	TRANSISTOR 2SA1162-G	
Q35	8-729-901-01	TRANSISTOR DTC144EK		Q338	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q36	8-729-216-22	TRANSISTOR 2SA1162-G		Q340	8-729-901-01	TRANSISTOR DTC144EK	
Q37	8-729-901-01	TRANSISTOR DTC144EK		Q350	8-729-901-01	TRANSISTOR DTC144EK	
Q38	8-729-901-01	TRANSISTOR DTC144EK		Q351	8-729-230-49	TRANSISTOR 2SC2712-YG	
				Q352	8-729-230-49	TRANSISTOR 2SC2712-YG	
<RESISTOR>							

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1	1-216-001-00	METAL GLAZE 10 5% 1/10W		R72	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R2	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W		R73	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R3	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W		R74	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R4	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R75	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R6	1-216-001-00	METAL GLAZE 10 5% 1/10W		R76	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R7	1-216-683-11	METAL CHIP 22K 0.50% 1/10W		R77	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R8	1-216-001-00	METAL GLAZE 10 5% 1/10W		R78	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R11	1-216-643-11	METAL CHIP 470 0.50% 1/10W		R80	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R12	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R81	1-216-017-00	METAL GLAZE 47 5% 1/10W	
R13	1-216-691-11	METAL CHIP 47K 0.50% 1/10W		R82	1-216-639-11	METAL CHIP 330 0.50% 1/10W	
R14	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R83	1-216-031-00	METAL GLAZE 180 5% 1/10W	
R15	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W		R84	1-216-045-00	METAL GLAZE 6.80 5% 1/10W	
R16	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R85	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R17	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R86	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
R18	1-216-691-11	METAL CHIP 47K 0.50% 1/10W		R87	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
R19	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W		R88	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R20	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R89	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R21	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W		R90	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R22	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W		R91	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R23	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W		R92	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R24	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W		R93	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R25	1-216-643-11	METAL CHIP 470 0.50% 1/10W		R94	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R26	1-216-017-00	METAL GLAZE 47 5% 1/10W		R95	1-216-641-11	METAL CHIP 390 0.50% 1/10W	
R27	1-216-037-00	METAL GLAZE 330 5% 1/10W		R101	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R29	1-216-691-11	METAL CHIP 47K 0.50% 1/10W		R102	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R30	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W		R103	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R31	1-216-651-11	METAL CHIP 1K 0.50% 1/10W		R104	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R32	1-216-651-11	METAL CHIP 1K 0.50% 1/10W		R105	1-216-066-00	METAL GLAZE 5.1K 5% 1/10W	
R33	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R106	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R34	1-216-047-00	METAL GLAZE 820 5% 1/10W		R107	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R38	1-216-047-00	METAL GLAZE 820 5% 1/10W		R108	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R39	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R116	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R40	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R117	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
R41	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W		R118	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R42	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R119	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R43	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R120	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
R44	1-216-047-00	METAL GLAZE 820 5% 1/10W		R121	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R45	1-216-641-11	METAL CHIP 390 0.50% 1/10W		R122	1-216-681-11	METAL CHIP 18K 0.50% 1/10W	
R46	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R123	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R47	1-216-043-00	METAL GLAZE 560 5% 1/10W		R124	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R48	1-216-035-00	METAL GLAZE 270 5% 1/10W		R125	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R49	1-216-635-11	METAL CHIP 220 0.50% 1/10W		R126	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R50	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R127	1-216-047-00	METAL GLAZE 820 5% 1/10W	
R51	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W		R128	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R52	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W		R129	1-216-635-11	METAL CHIP 220 0.50% 1/10W	
R53	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W		R130	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R54	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R131	1-216-665-11	METAL CHIP 3.9K 0.50% 1/10W	
R55	1-216						

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R205	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R325	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R206	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R326	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R207	1-216-683-11	METAL CHIP 22K 0.50% 1/10W		R327	1-216-681-11	METAL CHIP 18K 0.50% 1/10W	
R208	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R328	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R209	1-216-013-00	METAL GLAZE 33 5% 1/10W		R329	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R210	1-216-045-00	METAL GLAZE 680 5% 1/10W		R330	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R211	1-216-037-00	METAL GLAZE 330 5% 1/10W		R331	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R212	1-216-683-11	METAL CHIP 22K 0.50% 1/10W		R332	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R213	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R333	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R214	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R334	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R215	1-216-037-00	METAL GLAZE 330 5% 1/10W		R335	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R216	1-216-013-00	METAL GLAZE 33 5% 1/10W		R336	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R217	1-216-665-11	METAL CHIP 3.9K 0.50% 1/10W		R337	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R218	1-216-627-11	METAL CHIP 100 0.50% 1/10W		R338	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R219	1-216-023-00	METAL GLAZE 82 5% 1/10W		R339	1-216-017-00	METAL GLAZE 47 5% 1/10W	
R220	1-216-045-00	METAL GLAZE 680 5% 1/10W		R340	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R221	1-216-035-00	METAL GLAZE 270 5% 1/10W		R341	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R222	1-216-627-11	METAL CHIP 100 0.50% 1/10W		R342	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R223	1-216-035-00	METAL GLAZE 270 5% 1/10W		R343	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R224	1-216-085-00	METAL GLAZE 33K 5% 1/10W		R344	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R225	1-216-075-00	METAL GLAZE 12K 5% 1/10W		R345	1-216-109-00	METAL GLAZE 330K 5% 1/10W	
R226	1-216-077-00	METAL GLAZE 15K 5% 1/10W		R346	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R227	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W		R347	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R228	1-216-043-00	METAL GLAZE 560 5% 1/10W		R348	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R229	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R349	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R230	1-216-683-11	METAL CHIP 22K 0.50% 1/10W		R350	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R231	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R351	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
R232	1-216-627-11	METAL CHIP 100 0.50% 1/10W		R352	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R233	1-216-641-11	METAL CHIP 390 0.50% 1/10W		R353	1-216-101-00	METAL GLAZE 150K 5% 1/10W	
R234	1-216-085-00	METAL GLAZE 33K 5% 1/10W		R354	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R235	1-216-075-00	METAL GLAZE 12K 5% 1/10W		R355	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R236	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W		R356	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R237	1-216-077-00	METAL GLAZE 15K 5% 1/10W		R357	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R238	1-216-043-00	METAL GLAZE 560 5% 1/10W		R358	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R239	1-216-627-11	METAL CHIP 100 0.50% 1/10W		R359	1-216-017-00	METAL GLAZE 47 5% 1/10W	
R240	1-216-627-11	METAL CHIP 100 0.50% 1/10W		R360	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
R241	1-216-045-00	METAL GLAZE 680 5% 1/10W		R361	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R242	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R362	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
R244	1-216-037-00	METAL GLAZE 330 5% 1/10W		R363	1-216-023-00	METAL GLAZE 82 5% 1/10W	
R290	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R364	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R301	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R365	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R302	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W		R366	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R303	1-216-643-11	METAL CHIP 470 0.50% 1/10W		R367	1-216-681-11	METAL CHIP 18K 0.50% 1/10W	
R304	1-216-119-00	METAL GLAZE 820K 5% 1/10W		R368	1-216-047-00	METAL GLAZE 820 5% 1/10W	
R305	1-216-005-00	METAL GLAZE 15 5% 1/10W		R369	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R306	1-216-691-11	METAL CHIP 47K 0.50% 1/10W		R370	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R307	1-216-109-00	METAL GLAZE 330K 5% 1/10W		R371	1-216-665-11	METAL CHIP 3.9K 0.50% 1/10W	
R308	1-216-627-11	METAL CHIP 100 0.50% 1/10W		R372	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R309	1-216-037-00	METAL GLAZE 330 5% 1/10W		R373	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R310	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W		R374	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R311	1-216-037-00	METAL GLAZE 330 5% 1/10W		R375	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R312	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W		R376	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R313	1-216-037-00	METAL GLAZE 330 5% 1/10W		R377	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R314	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W		R378	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
R315	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W		R379	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R316	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W		R380	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R317	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W		R381	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R318	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W		R382	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R319	1-216-017-00	METAL GLAZE 47 5% 1/10W		R383	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R320	1-216-043-00	METAL GLAZE 560 5% 1/10W		R384	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R321	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R385	1-216-681-11	METAL CHIP 18K 0.50% 1/10W	
R322	1-216-689-11	METAL CHIP 39K 0.50% 1/10W		R386	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R323	1-216-077-00	METAL GLAZE 15K 5% 1/10W		R387	1-216-635-11	METAL CHIP 220 0.50% 1/10W	
R324	1-216-681-11	METAL CHIP 18K 0.50% 1/10W					

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R388	1-216-073-00	METAL GLAZE 10K 5% 1/10W		C413	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
R389	1-216-635-11	METAL CHIP 220 0.50% 1/10W		C414	1-124-907-11	ELECT 10MF 20% 50V	
R390	1-216-045-00	METAL GLAZE 680 5% 1/10W		C415	1-126-101-11	ELECT 100MF 20% 16V	
R391	1-216-043-00	METAL GLAZE 560 5% 1/10W		C416	1-126-101-11	ELECT 100MF 20% 16V	
R392	1-216-073-00	METAL GLAZE 10K 5% 1/10W		C417	1-124-120-11	ELECT 220MF 20% 16V	
R393	1-216-013-00	METAL GLAZE 33 5% 1/10W		C418	1-126-101-11	ELECT 100MF 20% 16V	
R394	1-216-013-00	METAL GLAZE 33 5% 1/10W		C419	1-126-101-11	ELECT 100MF 20% 16V	
R395	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W		C425	1-126-101-11	ELECT 100MF 20% 16V	
R396	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W		C450	1-163-113-00	CERAMIC CHIP 68PF 5% 50V	
R397	1-216-047-00	METAL GLAZE 820 5% 1/10W		C451	1-126-103-11	ELECT 470MF 20% 16V	
R398	1-216-013-00	METAL GLAZE 33 5% 1/10W		C453	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
R399	1-216-013-00	METAL GLAZE 33 5% 1/10W		C501	1-124-907-11	ELECT 10MF 20% 50V	
R410	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		C502	1-124-907-11	ELECT 10MF 20% 50V	
R411	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		C503	1-124-477-11	ELECT 47MF 20% 16V	
R412	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		C504	1-124-477-11	ELECT 47MF 20% 16V	
R415	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W		C505	1-124-927-11	ELECT 4.7MF 20% 50V	
R416	1-216-651-11	METAL CHIP 1K 0.50% 1/10W		C506	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
R417	1-216-651-11	METAL CHIP 1K 0.50% 1/10W		C507	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
R418	1-216-627-11	METAL CHIP 100 0.50% 1/10W		C508	1-124-477-11	ELECT 47MF 20% 16V	
R419	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W		C509	1-163-239-11	CERAMIC CHIP 33PF 5% 50V	
R420	1-216-085-00	METAL GLAZE 33K 5% 1/10W		C510	1-124-477-11	ELECT 47MF 20% 16V	
		<VARIABLE RESISTOR>		C511	1-126-103-11	ELECT 470MF 20% 16V	
RV101	1-230-504-11	RES. ADJ. CARBON 220 (DAR)		C512	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
RV102	1-228-993-00	RES. ADJ. CARBON 4.7K (SUB HUE)		C513	1-124-477-11	ELECT 47MF 20% 16V	
RV103	1-228-997-00	RES. ADJ. METAL GLAZE 100K (HUE)		C514	1-124-927-11	ELECT 4.7MF 20% 50V	
RV104	1-228-997-00	RES. ADJ. METAL GLAZE 100K (SUB COLOR)		C515	1-124-927-11	ELECT 4.7MF 20% 50V	
RV105	1-228-993-00	RES. ADJ. CARBON 4.7K (SUB PICTURE)		C516	1-124-927-11	ELECT 4.7MF 20% 50V	
		<SWITCH>		C518	1-124-907-11	ELECT 10MF 20% 50V	
SW-1	1-570-859-11	SWITCH, SLIDE		C519	1-124-907-11	ELECT 10MF 20% 50V	
		<THERMISTOR>		C520	1-124-903-11	ELECT 1MF 20% 50V	
TH101	1-800-071-XX	THERMISTOR		C521	1-124-907-11	ELECT 10MF 20% 50V	
		<CRYSTAL>		C522	1-124-907-11	ELECT 10MF 20% 50V	
X101	1-567-307-11	OSCILLATOR, CRYSTAL		C523	1-163-833-00	CERAMIC CHIP 0.068MF 25V	
X102	1-567-131-00	OSCILLATOR, CRYSTAL		C524	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
		*****		C525	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
*A-1135-693-A		BB BOARD, COMPLETE		C526	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
		*****		C527	1-163-133-00	CERAMIC CHIP 470PF 5% 50V	
4-382-854-11		SCREW (M3X10), P, SW (+)		C528	1-163-133-00	CERAMIC CHIP 470PF 5% 50V	
		<CONNECTOR>		C529	1-124-916-11	ELECT 22MF 20% 50V	
BB-1	*1-568-984-11	CONNECTOR, MALE 96P		C650	1-124-657-00	ELECT 10MF 20% 50V	
BB-2	1-564-595-11	PLUG, CONNECTOR 14P		C651	1-136-169-00		

BB

REF. NO.	PART NO.	DESCRIPTION	REMARK
C750	1-124-657-00	ELECT 10MF	20% 50V
C751	1-136-169-00	FILM 0.22MF	5% 50V
C752	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C753	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C754	1-126-101-11	ELECT 100MF	20% 16V
C755	1-126-101-11	ELECT 100MF	20% 16V
C756	1-126-101-11	ELECT 100MF	20% 16V
C757	1-124-910-11	ELECT 47MF	20% 50V
C759	1-124-122-11	ELECT 100MF	20% 50V
C760	1-126-103-11	ELECT 470MF	20% 16V
C762	1-124-916-11	ELECT 22MF	20% 50V
C763	1-124-907-11	ELECT 10MF	20% 50V
C914	1-126-101-11	ELECT 100MF	20% 16V
<DIODE>			
D401	8-719-900-95	DIODE V09G	
D402	8-719-900-95	DIODE V09G	
D450	8-719-400-18	DIODE MA152WK	
D451	8-719-400-18	DIODE MA152WK	
D452	8-719-105-28	DIODE RD2.4M-B	
D501	8-719-400-18	DIODE MA152WK	
D502	8-719-400-18	DIODE MA152WK	
D503	8-719-400-18	DIODE MA152WK	
D504	8-719-105-82	DIODE RD5.1M-B2	
D505	8-719-911-19	DIODE ISS119	
D506	8-719-105-82	DIODE RD5.1M-B2	
D507	8-719-105-82	DIODE RD5.1M-B2	
D508	8-719-105-82	DIODE RD5.1M-B2	
D509	8-719-105-82	DIODE RD5.1M-B2	
D510	8-719-105-82	DIODE RD5.1M-B2	
D511	8-719-105-82	DIODE RD5.1M-B2	
D512	8-719-105-82	DIODE RD5.1M-B2	
D513	8-719-105-82	DIODE RD5.1M-B2	
D514	8-719-105-82	DIODE RD5.1M-B2	
D515	8-719-105-82	DIODE RD5.1M-B2	
D516	8-719-106-80	DIODE RD13M-B2	
D518	8-719-106-80	DIODE RD13M-B2	
D520	8-719-105-82	DIODE RD5.1M-B2	
D521	8-719-105-82	DIODE RD5.1M-B2	
D522	8-719-106-80	DIODE RD13M-B2	
D523	8-719-106-80	DIODE RD13M-B2	
D524	8-719-105-82	DIODE RD5.1M-B2	
D525	8-719-105-28	DIODE RD2.4M-B	
D526	8-719-400-18	DIODE MA152WK	
D527	8-719-105-82	DIODE RD5.1M-B2	
D528	8-719-400-18	DIODE MA152WK	
D529	8-719-105-46	DIODE RD3.3M-B2	
D530	8-719-400-18	DIODE MA152WK	
D634	8-719-400-18	DIODE MA152WK	
D652	8-719-400-18	DIODE MA152WK	
D653	8-719-400-18	DIODE MA152WK	
<IC>			
IC401	8-759-800-81	IC LA7016	
IC402	8-759-701-79	IC NJM7812FA	
IC403	8-759-929-65	IC LM7912CT	
IC404	8-759-300-71	IC HD14053BFP	
IC405	8-759-926-18	IC SN74HC157ANS	
IC407	8-759-926-18	IC SN74HC157ANS	
IC408	8-759-300-71	IC HD14053BFP	
IC409	8-759-300-71	IC HD14053BFP	
IC410	8-759-100-96	IC UPC4558G2	

REF. NO.	PART NO.	DESCRIPTION	REMARK
IC411	8-759-100-96	IC UPC4558G2	
IC412	8-759-145-27	IC UPC1406HA	
IC413	8-749-922-84	IC BX-6474	
IC414	8-749-922-83	IC BX-6473	
IC415	8-749-922-83	IC BX-6473	
IC416	8-749-922-83	IC BX-6473	
IC417	8-749-922-86	IC BX-7913	
IC418	8-749-922-85	IC BX-6475	
IC419	8-749-922-85	IC BX-6475	
IC420	8-749-922-85	IC BX-6475	
IC422	8-759-100-93	IC UPC393G2	
IC423	8-759-925-85	IC SN74HC32ANS	
IC424	8-759-100-93	IC UPC393G2	
<JACK>			
J101	1-566-980-21	CONNECTOR, ROUND TYPE 4P	
J102	1-537-257-11	TERMINAL BOARD, INPUT/OUTPUT	
J103	1-537-403-11	TERMINAL BOARD, INPUT/OUTPUT	
<COIL>			
L401	1-459-155-00	COIL (WITH CORE) 45UH	
L402	1-459-155-00	COIL (WITH CORE) 45UH	
L403	1-459-155-00	COIL (WITH CORE) 45UH	
L404	1-459-155-00	COIL (WITH CORE) 45UH	
L405	1-410-671-31	INDUCTOR 47UH	
L605	1-410-482-31	INDUCTOR 100UH	
L651	1-410-482-31	INDUCTOR 100UH	
<TRANSISTOR>			
Q401	8-729-140-96	TRANSISTOR 2SD774-34	
Q402	8-729-140-97	TRANSISTOR 2SB734-34	
Q403	8-729-901-01	TRANSISTOR DTC144EK	
Q404	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q405	8-729-901-01	TRANSISTOR DTC144EK	
Q450	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q451	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q452	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q453	8-729-901-01	TRANSISTOR DTC144EK	
Q454	8-729-901-01	TRANSISTOR DTC144EK	
Q456	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q457	8-729-216-22	TRANSISTOR 2SA1162-G	
Q501	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q502	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q503	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q504	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q506	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q507	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q508	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q509	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q510	8-729-901-01	TRANSISTOR DTC144EK	
Q511	8-729-901-01	TRANSISTOR DTC144EK	
Q512	8-729-901-01	TRANSISTOR DTC144EK	
Q513	8-729-901-01	TRANSISTOR DTC144EK	
Q514	8-729-901-01	TRANSISTOR DTC144EK	
Q515	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q516	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q517	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q518	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q519	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q520	8-729-901-01	TRANSISTOR DTC144EK	

REF. NO.	PART NO.	DESCRIPTION	REMARK
Q521	8-729-901-01	TRANSISTOR DTC144EK	
Q522	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q523	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q524	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q525	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q526	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q527	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q528	8-729-901-01	TRANSISTOR DTC144EK	
Q529	8-729-901-01	TRANSISTOR DTC144EK	
Q530	8-729-901-01	TRANSISTOR DTC144EK	
Q531	8-729-901-01	TRANSISTOR DTC144EK	
Q532	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q533	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q534	8-729-320-62	TRANSISTOR 2SD789-34	
Q535	8-729-901-01	TRANSISTOR DTC144EK	
Q536	8-729-901-01	TRANSISTOR DTC144EK	
Q537	8-729-901-01	TRANSISTOR DTC144EK	
Q538	8-729-901-01	TRANSISTOR DTC144EK	
Q539	8-729-901-01	TRANSISTOR DTC144EK	
Q540	8-729-901-01	TRANSISTOR DTC144EK	
Q541	8-729-901-01	TRANSISTOR DTC144EK	
Q542	8-729-901-01	TRANSISTOR DTC144EK	
Q543	8-729-901-01	TRANSISTOR DTC144EK	
Q544	8-729-901-01	TRANSISTOR DTC144EK	
Q545	8-729-216-22	TRANSISTOR 2SA1162-G	
Q546	8-729-901-01	TRANSISTOR DTC144EK	
Q547	8-729-216-22	TRANSISTOR 2SA1162-G	
Q548	8-729-901-01	TRANSISTOR DTC144EK	
Q549	8-729-901-01	TRANSISTOR DTC144EK	
Q550	8-729-901-01	TRANSISTOR DTC144EK	
Q551	8-729-901-01	TRANSISTOR DTC144EK	
Q552	8-729-901-01	TRANSISTOR DTC144EK	
Q553	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q650	8-729-116-05	TRANSISTOR 2SK160-K5	
Q651	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q652	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q653	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q654	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q656	8-729-901-01	TRANSISTOR DTC144EK	
Q700	8-729-116-05	TRANSISTOR 2SK160-K5	
Q701	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q702	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q703	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q704	8-729-923-06	TRANSISTOR FMW-8	
Q705	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q706	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q707	8-729-923-06	TRANSISTOR FMW-8	
Q708	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q709	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q710	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q741	8-729-901-01	TRANSISTOR DTC144EK	
Q750	8-729-116-05	TRANSISTOR 2SK160-K5	
Q751	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q752	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q753	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q754	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q755	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q756	8-729-901-01	TRANSISTOR DTC144EK	
Q757	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q800	8-729-230-49	TRANSISTOR 2SC2712-YG	
<RESISTOR>			
R401	1-216-025-00	METAL GLAZE 100 5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R403	1-216-025-00	METAL GLAZE 100 5%	1/10W
R404	1-216-693-11	METAL CHIP 56K 0.50%	1/10W
R405	1-216-691-11	METAL CHIP 47K 0.50%	1/10W
R450	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R451	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R452	1-216-037-00	METAL GLAZE 330 5%	1/10W
R453	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R454	1-216-041-00	METAL GLAZE 470 5%	1/10W
R455	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R456	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R459	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R460	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R461	1-216-017-00	METAL GLAZE 47 5%	1/10W
R462	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R463	1-216-025-00	METAL GLAZE 100 5%	1/10W
R464	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R466	1-216-037-00	METAL GLAZE 330 5%	1/10W
R467	1-216-651-11	METAL CHIP 1K 0.50%	1/10W
R468	1-216-025-00	METAL GLAZE 100 5%	1/10W
R469	1-216-025-00	METAL GLAZE 100 5%	1/10W
R470	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R471	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R472	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R473	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R474	1-216-025-00	METAL GLAZE 100 5%	1/10W
R501	1-216-624-11	METAL CHIP 75 0.50%	1/10W
R502	1-216-121-00	METAL GLAZE 1M 5%	1/10W
R503	1-216-025-00	METAL GLAZE 100 5%	1/10W
R504	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R505	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
R506	1-216-624-11	METAL CHIP 75 0.50%	1/10W
R507	1-216-121-00	METAL GLAZE 1M 5%	1/10W
R508	1-216-025-00	METAL GLAZE 100 5%	1/10W
R509	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R510	1-2		

BB

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R542	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R606	1-216-025-00	METAL GLAZE	100 5% 1/10W
R543	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W	R607	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R544	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W	R608	1-216-075-00	METAL GLAZE	12K 5% 1/10W
R545	1-216-025-00	METAL GLAZE	100 5% 1/10W	R609	1-216-017-00	METAL GLAZE	47 5% 1/10W
R546	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R610	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R547	1-216-631-11	METAL CHIP	150 0.50% 1/10W	R611	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R548	1-216-025-00	METAL GLAZE	100 5% 1/10W	R612	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R549	1-216-025-00	METAL GLAZE	100 5% 1/10W	R613	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R550	1-216-047-00	METAL GLAZE	820 5% 1/10W	R614	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R551	1-216-025-00	METAL GLAZE	100 5% 1/10W	R615	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R552	1-216-025-00	METAL GLAZE	100 5% 1/10W	R616	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R553	1-216-025-00	METAL GLAZE	100 5% 1/10W	R617	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R554	1-216-025-00	METAL GLAZE	100 5% 1/10W	R618	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R555	1-216-047-00	METAL GLAZE	820 5% 1/10W	R619	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R556	1-216-025-00	METAL GLAZE	100 5% 1/10W	R620	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R557	1-216-025-00	METAL GLAZE	100 5% 1/10W	R621	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R558	1-216-691-11	METAL CHIP	47K 0.50% 1/10W	R622	1-216-448-11	METAL OXIDE	39 5% 2W F
R559	1-216-631-11	METAL CHIP	150 0.50% 1/10W	R623	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R560	1-216-025-00	METAL GLAZE	100 5% 1/10W	R624	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R561	1-216-691-11	METAL CHIP	47K 0.50% 1/10W	R625	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R562	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R626	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R563	1-216-035-00	METAL GLAZE	270 5% 1/10W	R627	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R564	1-216-043-00	METAL GLAZE	560 5% 1/10W	R628	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R565	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W	R629	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R566	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R630	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R567	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W	R631	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R568	1-216-643-11	METAL CHIP	470 0.50% 1/10W	R632	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R569	1-216-295-00	METAL GLAZE	0 5% 1/10W	R633	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R570	1-216-624-11	METAL CHIP	75 0.50% 1/10W	R634	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R571	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R635	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R572	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R636	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R573	1-216-643-11	METAL CHIP	470 0.50% 1/10W	R637	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R574	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R638	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R575	1-216-643-11	METAL CHIP	470 0.50% 1/10W	R639	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R576	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R640	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R577	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R641	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W
R578	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R642	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R579	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R643	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R580	1-216-025-00	METAL GLAZE	100 5% 1/10W	R644	1-216-624-11	METAL CHIP	75 0.50% 1/10W
R581	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W	R645	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R582	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R646	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R583	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R647	1-216-025-00	METAL GLAZE	100 5% 1/10W
R584	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R648	1-216-121-00	METAL GLAZE	1M 5% 1/10W
R585	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R649	1-216-627-11	METAL CHIP	100 0.50% 1/10W
R586	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R650	1-216-627-11	METAL CHIP	100 0.50% 1/10W
R587	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R651	1-216-627-11	METAL CHIP	100 0.50% 1/10W
R588	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R652	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R589	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R653	1-216-025-00	METAL GLAZE	100 5% 1/10W
R590	1-216-025-00	METAL GLAZE	100 5% 1/10W	R654	1-216-121-00	METAL GLAZE	1M 5% 1/10W
R591	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R655	1-216-627-11	METAL CHIP	100 0.50% 1/10W
R592	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R656	1-216-627-11	METAL CHIP	100 0.50% 1/10W
R593	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R657	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R594	1-216-025-00	METAL GLAZE	100 5% 1/10W	R658	1-216-025-00	METAL GLAZE	100 5% 1/10W
R595	1-216-025-00	METAL GLAZE	100 5% 1/10W	R659	1-216-025-00	METAL GLAZE	100 5% 1/10W
R596	1-216-025-00	METAL GLAZE	100 5% 1/10W	R660	1-216-624-11	METAL CHIP	75 0.50% 1/10W
R597	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R661	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R598	1-216-025-00	METAL GLAZE	100 5% 1/10W	R662	1-216-001-00	METAL GLAZE	10 5% 1/10W
R599	1-216-025-00	METAL GLAZE	100 5% 1/10W	R663	1-216-001-00	METAL GLAZE	10 5% 1/10W
R600	1-216-025-00	METAL GLAZE	100 5% 1/10W	R664	1-216-017-00	METAL GLAZE	47 5% 1/10W
R601	1-216-631-11	METAL CHIP	150 0.50% 1/10W	R665	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R602	1-216-631-11	METAL CHIP	150 0.50% 1/10W	R666	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R603	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R667	1-216-025-00	METAL GLAZE	100 5% 1/10W
R604	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R668	1-216-025-00	METAL GLAZE	100 5% 1/10W
R605	1-216-025-00	METAL GLAZE	100 5% 1/10W	R700	1-216-624-11	METAL CHIP	75 0.50% 1/10W
				R701	1-216-073-00	METAL GLAZE	10K 5% 1/10W
				R702	1-216-081-00	METAL GLAZE	22K 5% 1/10W
				R703	1-216-025-00	METAL GLAZE	100 5% 1/10W
				R704	1-216-121-00	METAL GLAZE	1M 5% 1/10W
				R705	1-216-627-11	METAL CHIP	100 0.50% 1/10W
				R706	1-216-627-11	METAL CHIP	100 0.50% 1/10W
				R707	1-216-651-11	METAL CHIP	1K 0.50% 1/10W

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BB

PB

PC

PA

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R708	1-216-025-00	METAL GLAZE	100 5% 1/10W	<TRANSFORMER>			
R709	1-216-017-00	METAL GLAZE	47 5% 1/10W	FBT10	Δ 1-453-166-11	TRANSFORMER ASSY, FLYBACK	
R710	1-216-627-11	METAL CHIP	100 0.50% 1/10W	FBT11	Δ 1-453-166-11	TRANSFORMER ASSY, FLYBACK	
R711	1-216-025-00	METAL GLAZE	100 5% 1/10W	<NEON LAMP>			
R712	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	NL10	1-519-108-XX	LAMP, NEON	
R713	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	NL11	1-519-108-XX	LAMP, NEON	
R714	1-216-025-00	METAL GLAZE	100 5% 1/10W	*****			
R715	1-216-627-11	METAL CHIP	100 0.50% 1/10W	*A-1190-196-A	PC BOARD, COMPLETE	*****	
R716	1-216-627-11	METAL CHIP	100 0.50% 1/10W	<TRANSISTOR>			
R717	1-216-025-00	METAL GLAZE	100 5% 1/10W	Q1	8-729-820-71	TRANSISTOR 2SC3998CA	
R718	1-216-017-00	METAL GLAZE	47 5% 1/10W	*****			
R719	1-216-627-11	METAL CHIP	100 0.50% 1/10W	*A-1195-081-A	PA BOARD, COMPLETE	*****	
R720	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	4-382-854-11	SCREW (M3X10), P, SW (+)		
R721	1-216-627-11	METAL CHIP	100 0.50% 1/10W	<CAPACITOR>			
R722	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1	1-124-903-11	ELECT	1MF 20% 50V
R723	1-216-025-00	METAL GLAZE	100 5% 1/10W	C2	1-124-903-11	ELECT	1MF 20% 50V
R724	1-216-624-11	METAL CHIP	75 0.50% 1/10W	C3	1-124-927-11	ELECT	4.7MF 20% 50V
R725	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C4	1-124-927-11	ELECT	4.7MF 20% 50V
R726	1-216-001-00	METAL GLAZE	10 5% 1/10W	C5	1-124-927-11	ELECT	4.7MF 20% 50V
R727	1-216-017-00	METAL GLAZE	47 5% 1/10W	C6	1-124-927-11	ELECT	4.7MF 20% 50V
R728	1-216-017-00	METAL GLAZE	47 5% 1/10W	C7	1-124-907-11	ELECT	10MF 20% 50V
R729	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C8	1-130-471-00	FILM	0.001MF 5% 50V
R730	1-216-624-11	METAL CHIP	75 0.50% 1/10W	C9	1-124-034-51	ELECT	33MF 20% 16V
R731	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C10	1-124-925-11	ELECT	2.2MF 20% 50V
R732	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C11	1-136-165-00	FILM	0.1MF 5% 50V
R733	1-216-627-11	METAL CHIP	100 0.50% 1/10W	C12	1-124-907-11	ELECT	10MF 20% 50V
R734	1-216-627-11	METAL CHIP	100 0.50% 1/10W	C13	1-136-169-00	FILM	0.22MF 5% 50V
R735	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	C14	1-124-907-11	ELECT	10MF 20% 50V
R736	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	C15	1-124-119-00	ELECT	330MF 20% 16V
R737	1-216-643-11	METAL CHIP	470 0.50% 1/10W	C16	1-102-973-00	CERAMIC	100PF 5% 50V
R738	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W	C17	1-136-165-00	FILM	0.1MF 5% 50V
R739	1-216-025-00	METAL GLAZE	100 5% 1/10W	C18	1-136-165-00	FILM	0.1MF 5% 50V
R740	1-216-025-00	METAL GLAZE	100 5% 1/10W	C19	1-136-165-00	FILM	0.1MF 5% 50V
R741	1-216-624-11	METAL CHIP	75 0.50% 1/10W	C20	1-136-165-00	FILM	0.1MF 5% 50V
R742	1-216-624-11	METAL CHIP	75 0.50% 1/10W	<RELAY>			
R743	1-216-624-11	METAL CHIP	75 0.50% 1/10W	RL401	1-515-757-11	RELAY	
R744	1-216-624-11	METAL CHIP	75 0.50% 1/10W	RL402	1-515-757-11	RELAY	
R745	1-216-624-11	METAL CHIP	75 0.50% 1/10W	RL403	1-515-757-11	RELAY	
R746	1-216-624-11	METAL CHIP	75 0.50% 1/10W	<SWITCH>			
R747	1-216-624-11	METAL CHIP	75 0.50% 1/10W	SW101	1-570-859-11	SWITCH, SLIDE	
R748	1-216-624-11	METAL CHIP	75 0.50% 1/10W	*****			
R749	1-216-624-11	METAL CHIP	75 0.50% 1/10W	*A-1190-195-A	PB BOARD, COMPLETE	*****	
R750	1-216-624-11	METAL CHIP	75 0.50% 1/10W	<CONNECTOR>			
R751	1-216-624-11	METAL CHIP	75 0.50% 1/10W	CN241	*1-564-506-11	PLUG, CONNECTOR 3P	
R752	1-216-624-11	METAL CHIP	75 0.50% 1/10W	C36	1-137-364-11	FILM	0.001MF 5% 50V
R753	1-216-624-11	METAL CHIP	75 0.50% 1/10W	C37			

PA

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Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Table with columns: REF. NO., PART NO., DESCRIPTION, REMARK. Rows include components C39-C75, CN281-CN290, and diodes D1-D16.

Table with columns: REF. NO., PART NO., DESCRIPTION, REMARK. Rows include components D17-D36, FB1-FB3, IC1-IC13, L1-L8, NL1, Q1-Q4, and Q5-Q22.

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

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by ⊠ in this manual 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.

PA

Table with columns: REF. NO., PART NO., DESCRIPTION, REMARK. Rows include components Q5-Q22, R1-R99, and R100-R121.

Table with columns: REF. NO., PART NO., DESCRIPTION, REMARK. Rows include components R49-R53, R54-R58, R59-R64, R65-R69, R71-R75, R76-R80, R81-R85, R86-R91, R92-R96, R97-R102, R103-R107, R108-R116, R117-R121.

CBR **CBG** **CBB**

CA(RG)

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

Les composants identifiés par une trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

CA(RG)

REF. NO.	PART NO.	DESCRIPTION	REMARK
		<COIL>	
L303	1-408-763-00	INDUCTOR 0.82UH	
		<NEON LAMP>	
NL301	1-519-423-11	LAMP, NEON	
NL302	1-519-423-11	LAMP, NEON	
NL303	1-519-368-21	LAMP, NEON	
NL304	1-519-368-21	LAMP, NEON	
NL305	1-519-423-11	LAMP, NEON	
		<RESISTOR>	
R301	1-202-818-00	SOLID 1K 20% 1/2W	
R302	1-202-818-00	SOLID 1K 20% 1/2W	
R306	1-202-838-00	SOLID 100K 20% 1/2W	
R307	1-202-535-81	SOLID 27 20% 1/2W	
R308	1-202-525-81	SOLID 10 20% 1/2W	
R309	1-202-832-00	SOLID 15K 20% 1/2W	
		<SPARK GAP>	
SG301	1-519-063-XX	DISCHARGING GAP	
		<CAPACITOR>	
C401	1-162-114-00	CERAMIC 0.0047MF 2KV	
		<CONNECTOR>	
CN261	*1-564-507-11	PLUG, CONNECTOR 4P	
CN262	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CN263	*1-564-507-11	PLUG, CONNECTOR 4P	
CN264	*1-506-371-00	PIN, CONNECTOR 2P	
CN265	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CN266	*1-564-507-11	PLUG, CONNECTOR 4P	
		<COIL>	
L403	1-408-763-00	INDUCTOR 0.82UH	
		<NEON LAMP>	
NL401	1-519-423-11	LAMP, NEON	
NL402	1-519-423-11	LAMP, NEON	
NL403	1-519-368-21	LAMP, NEON	
NL404	1-519-368-21	LAMP, NEON	
NL405	1-519-423-11	LAMP, NEON	
		<RESISTOR>	
R401	1-202-818-00	SOLID 1K 20% 1/2W	
R402	1-202-818-00	SOLID 1K 20% 1/2W	
R406	1-202-838-00	SOLID 100K 20% 1/2W	
R407	1-202-535-81	SOLID 27 20% 1/2W	
R408	1-202-525-81	SOLID 10 20% 1/2W	

REF. NO.	PART NO.	DESCRIPTION	REMARK
R409	1-202-832-00	SOLID 15K 20% 1/2W	
		<SPARK GAP>	
SG401	1-519-063-XX	DISCHARGING GAP	
		<CAPACITOR>	
C501	1-162-114-00	CERAMIC 0.0047MF 2KV	
		<CONNECTOR>	
CN271	*1-564-507-11	PLUG, CONNECTOR 4P	
CN272	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CN273	*1-564-507-11	PLUG, CONNECTOR 4P	
CN274	*1-506-371-00	PIN, CONNECTOR 2P	
CN275	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CN276	*1-564-507-11	PLUG, CONNECTOR 4P	
		<COIL>	
L503	1-408-763-00	INDUCTOR 0.82UH	
		<NEON LAMP>	
NL501	1-519-423-11	LAMP, NEON	
NL502	1-519-423-11	LAMP, NEON	
NL503	1-519-368-21	LAMP, NEON	
NL504	1-519-368-21	LAMP, NEON	
NL505	1-519-423-11	LAMP, NEON	
		<RESISTOR>	
R501	1-202-818-00	SOLID 1K 20% 1/2W	
R502	1-202-818-00	SOLID 1K 20% 1/2W	
R506	1-202-838-00	SOLID 100K 20% 1/2W	
R507	1-202-535-81	SOLID 27 20% 1/2W	
R508	1-202-525-81	SOLID 10 20% 1/2W	
R509	1-202-832-00	SOLID 15K 20% 1/2W	
		<SPARK GAP>	
SG501	1-519-063-XX	DISCHARGING GAP	
		<CAPACITOR>	
C1	1-124-907-11	ELECT 10MF 20% 50V	
C2	1-126-101-11	ELECT 100MF 20% 16V	
C3	1-124-907-11	ELECT 10MF 20% 50V	
C4	1-126-101-11	ELECT 100MF 20% 16V	

REF. NO.	PART NO.	DESCRIPTION	REMARK
C5	1-124-916-11	ELECT 22MF 20% 50V	
C6	1-126-101-11	ELECT 100MF 20% 16V	
C7	1-124-916-11	ELECT 22MF 20% 50V	
C8	1-102-820-00	CERAMIC 330PF 5% 50V	
C9	1-101-880-00	CERAMIC 47PF 5% 50V	
C10	1-101-004-00	CERAMIC 0.01MF 50V	
C11	1-101-004-00	CERAMIC 0.01MF 50V	
C12	1-101-004-00	CERAMIC 0.01MF 50V	
C13	1-101-004-00	CERAMIC 0.01MF 50V	
C14	1-124-916-11	ELECT 22MF 20% 50V	
C16	1-124-916-11	ELECT 22MF 20% 50V	
C17	1-136-165-00	FILM 0.1MF 5% 50V	
C18	1-136-165-00	FILM 0.1MF 5% 50V	
C19	1-136-165-00	FILM 0.1MF 5% 50V	
C20	1-136-165-00	FILM 0.1MF 5% 50V	
C21	1-124-916-11	ELECT 22MF 20% 50V	
C22	1-126-103-11	ELECT 470MF 20% 16V	
C23	1-136-171-00	FILM 0.33MF 5% 50V	
C24	1-102-038-00	CERAMIC 0.001MF 500V	
C25	1-124-907-11	ELECT 10MF 20% 50V	
C26	1-126-101-11	ELECT 100MF 20% 16V	
C101	1-124-282-00	ELECT 22MF 20% 16V	
C102	1-124-477-11	ELECT 47MF 20% 16V	
C103	1-126-101-11	ELECT 100MF 20% 16V	
C104	1-126-101-11	ELECT 100MF 20% 16V	
C105	1-124-916-11	ELECT 22MF 20% 50V	
C106	1-102-973-00	CERAMIC 100PF 5% 50V	
C107	1-101-361-00	CERAMIC 150PF 5% 50V	
C110	1-124-798-11	ELECT 1MF 20% 160V	
C111	1-124-916-11	ELECT 22MF 20% 50V	
C112	1-136-165-00	FILM 0.1MF 5% 50V	
C113	1-136-165-00	FILM 0.1MF 5% 50V	
C114	1-126-174-51	ELECT 10MF 20% 350V	
C115	1-102-038-00	CERAMIC 0.001MF 500V	
C116	1-102-050-00	CERAMIC 0.01MF 500V	
C117	1-124-768-11	ELECT 4.7MF 20% 50V	
C118	1-101-004-00	CERAMIC 0.01MF 50V	
C119	1-136-165-00	FILM 0.1MF 5% 50V	
C120	1-124-903-11	ELECT 1MF 20% 50V	
C121	1-124-916-11	ELECT 22MF 20% 50V	
C122	1-124-916-11	ELECT 22MF 20% 50V	
C123	1-102-050-00	CERAMIC 0.01MF 500V	
C125	1-124-916-11	ELECT 22MF 20% 50V	
C126	1-101-004-00	CERAMIC 0.01MF 50V	
C127	1-101-004-00	CERAMIC 0.01MF 50V	
C201	1-124-282-00	ELECT 22MF 20% 16V	
C202	1-124-916-11	ELECT 22MF 20% 50V	
C203	1-126-101-11	ELECT 100MF 20% 16V	
C204	1-126-101-11	ELECT 100MF 20% 16V	
C205	1-124-916-11	ELECT 22MF 20% 50V	
C206	1-102-973-00	CERAMIC 100PF 5% 50V	
C207	1-101-361-00	CERAMIC 150PF 5% 50V	
C210	1-124-798-11	ELECT 1MF 20% 160V	
C211	1-124-916-11	ELECT 22MF 20% 50V	
C212	1-136-165-00	FILM 0.1MF 5% 50V	
C213	1-136-165-00	FILM 0.1MF 5% 50V	
C214	1-126-174-51	ELECT 10MF 20% 350V	
C215	1-102-038-00	CERAMIC 0.001MF 500V	
C216	1-102-050-00	CERAMIC 0.01MF 500V	
C217	1-124-768-11	ELECT 4.7MF 20% 50V	
C218	1-101-004-00	CERAMIC 0.01MF 50V	
C219	1-136-165-00	FILM 0.1MF 5% 50V	
C220	1-124-903-11	ELECT 1MF 20% 50V	
C221	1-124-916-11	ELECT 22MF 20% 50V	

REF. NO.	PART NO.	DESCRIPTION	REMARK
C222	1-124-916-11	ELECT 22MF 20% 50V	
C223	1-102-050-00	CERAMIC 0.01MF 500V	
C225	1-124-916-11	ELECT 22MF 20% 50V	
C226	1-101-004-00	CERAMIC 0.01MF 50V	
C227	1-101-004-00	CERAMIC 0.01MF 50V	
		<CONNECTOR>	
CAG-1	*1-564-507-11	PLUG, CONNECTOR 4P	
CAG-2	*1-564-507-11	PLUG, CONNECTOR 4P	
CAG-3	*1-564-507-11	PLUG, CONNECTOR 4P	
CAG-4	*1-564-515-11	PLUG, CONNECTOR 12P	
CAG-5	*1-564-516-11	PLUG, CONNECTOR 13P	
CAG-6	*1-564-514-11	PLUG, CONNECTOR 11P	
CAR-1	*1-564-507-11	PLUG, CONNECTOR 4P	
CAR-2	*1-564-507-11	PLUG, CONNECTOR 4P	
CAR-3	*1-564-507-11	PLUG, CONNECTOR 4P	
CAR-4	*1-568-979-11	CONNECTOR 30P	
CAGJ1	*1-526-575-00	SOCKET, PLUG 1P	
CARJ1	*1-526-575-00	SOCKET, PLUG 1P	
		<DIODE>	
D1	8-719-900-95	DIODE V09G	
D2	8-719-900-95	DIODE V09G	
D3	8-719-109-85	DIODE RD5.1ESB2	
D4	8-719-911-19	DIODE 1SS119	
D7	8-719-911-19	DIODE 1SS119	
D8	8-719-911-19	DIODE 1SS119	
D9	8-719-109-97	DIODE RD6.8ESB2	
D12	8-719-911-19	DIODE 1SS119	
D13	8-719-109-85	DIODE RD5.1ESB2	
D14	8-719-109-97	DIODE RD6.8ESB2	
D15	8-719-911-19	DIODE 1SS119	
D101	8-719-901-83	DIODE 1SS83	
D102	8-719-901-83	DIODE 1SS83	
D103	8-719-911-19	DIODE 1SS119	
D104	8-719-911-19	DIODE 1SS119	
D105	8-719-901-83	DIODE 1SS83	
D106	8-719-911-19	DIODE 1SS119	
D107	8-719-911-19	DIODE 1SS119	
D109	8-719-911-19	DIODE 1SS119	
D110	8-719-109-51	DIODE RD2.0ESB2	
D111	8-719-911-19	DIODE 1SS119	
D112	8-719-911-19	DIODE 1SS119	
D113	8-719-911-19	DIODE 1SS119	
D114	8-719-110-36	DIODE RD13ESB2	
D115	8-719-911-19	DIODE 1SS119	
D117	8-719-911-19	DIODE 1SS119	
D118	8-719-911-19	DIODE 1SS119	
D120	8-719-911-19	DIODE 1SS119	
D121	8-719-911-19	DIODE 1SS119	
D122	8-719-911-19	DIODE 1SS119	
D201	8-719-901-83	DIODE 1SS83	
D202	8-719-901-83	DIODE 1SS83	
D203	8-719-911-19	DIODE 1SS119	
D204	8-719-911-19	DIODE 1SS119	
D205	8-719-901-83	DIODE 1SS83	
D206	8-719-911-19	DIODE 1SS119	
D207	8-719-911-19	DIODE 1SS119	
D209	8-719-911-19	DIODE 1SS119	
D210	8-719-109-51	DIODE RD2.0ESB2	
D211	8-719-911-19	DIODE 1SS119	

CA(RG)

CA(RG)

CA(B)

Table with columns: REF.NO., PART NO., DESCRIPTION. Includes components like DIODE ISS119, IC LM7912CT, and TRANSISTOR 2SC2785-HFE.

Table with columns: REF.NO., PART NO., DESCRIPTION, REMARK. Includes components like TRANSISTOR 2SD774-34, CARBON 100 5% 1/4W, and RESISTOR 1-247-807-31.

Table with columns: REF.NO., PART NO., DESCRIPTION, REMARK. Includes components like CARBON 68 5% 1/4W, METAL 2.2K 1% 1/4W, and SOLID 100 10% 1/2W.

Table with columns: REF.NO., PART NO., DESCRIPTION, REMARK. Includes components like CARBON 560 5% 1/4W, METAL 2.7K 1% 1/4W, and CERAMIC 0.01MF 20% 50V.

CA(B)

CA(B) DM DD

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C314	1-126-174-51	ELECT	10MF	20%	350V										
C315	1-102-038-00	CERAMIC	0.001MF		500V										
C316	1-102-050-00	CERAMIC	0.01MF		500V										
C317	1-124-768-11	ELECT	4.7MF	20%	50V										
C318	1-101-004-00	CERAMIC	0.01MF		50V										
C319	1-136-165-00	FILM	0.1MF	5%	50V										
C320	1-124-903-11	ELECT	1MF	20%	50V										
C321	1-124-916-11	ELECT	22MF	20%	50V										
C322	1-124-916-11	ELECT	22MF	20%	50V										
C323	1-102-050-00	CERAMIC	0.01MF		500V										
C324	1-102-973-00	CERAMIC	100PF	5%	50V										
C325	1-124-916-11	ELECT	22MF	20%	50V										
C326	1-101-004-00	CERAMIC	0.01MF		50V										
C327	1-101-004-00	CERAMIC	0.01MF		50V										
C350	1-126-101-11	ELECT	100MF	20%	16V										
C351	1-126-101-11	ELECT	100MF	20%	16V										
<CONNECTOR>															
CAB-1	*1-564-507-11	PLUG, CONNECTOR	4P												
CAB-2	*1-564-507-11	PLUG, CONNECTOR	4P												
CAB-3	*1-564-507-11	PLUG, CONNECTOR	4P												
CAB-7	*1-564-516-11	PLUG, CONNECTOR	13P												
CAB-8	*1-564-507-11	PLUG, CONNECTOR	4P												
CABJ1	*1-526-575-00	SOCKET, PLUG	1P												
<DIODE>															
D30	8-719-109-66	DIODE	RD3.3ESB2												
D31	8-719-901-83	DIODE	1SS83												
D32	8-719-901-83	DIODE	1SS83												
D33	8-719-110-31	DIODE	RD12ESB2												
D34	8-719-110-31	DIODE	RD12ESB2												
D35	8-719-900-95	DIODE	V09G												
D36	8-719-900-95	DIODE	V09G												
D40	8-719-900-95	DIODE	V09G												
D41	8-719-911-19	DIODE	1SS119												
D301	8-719-901-83	DIODE	1SS83												
D302	8-719-901-83	DIODE	1SS83												
D303	8-719-911-19	DIODE	1SS119												
D304	8-719-911-19	DIODE	1SS119												
D305	8-719-901-83	DIODE	1SS83												
D306	8-719-911-19	DIODE	1SS119												
D307	8-719-911-19	DIODE	1SS119												
D309	8-719-911-19	DIODE	1SS119												
D310	8-719-109-51	DIODE	RD3.0ESB2												
D311	8-719-911-19	DIODE	1SS119												
D312	8-719-911-19	DIODE	1SS119												
D313	8-719-911-19	DIODE	1SS119												
D314	8-719-110-36	DIODE	RD13ESB2												
D315	8-719-109-66	DIODE	RD3.3ESB2												
D316	8-719-911-19	DIODE	1SS119												
D317	8-719-911-19	DIODE	1SS119												
D318	8-719-911-19	DIODE	1SS119												
<IC>															
IC301	8-749-923-01	IC	VPH06												
IC302	8-759-503-91	IC	TLO82ACP												
IC304	8-749-923-15	IC	TY885002A												
IC305	8-749-923-25	IC	TY911504												
<COIL>															
L1	1-459-155-00	COIL (WITH CORE)	45UH												
L2	1-459-155-00	COIL (WITH CORE)	45UH												
L301	1-408-879-21	INDUCTOR	0.47UH												
<TRANSISTOR>															
Q30	8-729-119-78	TRANSISTOR	2SC2785-HFE												
Q31	8-729-119-78	TRANSISTOR	2SC2785-HFE												
Q32	8-729-119-78	TRANSISTOR	2SC2785-HFE												
Q33	8-729-119-78	TRANSISTOR	2SC2785-HFE												
Q34	8-729-119-78	TRANSISTOR	2SC2785-HFE												
Q35	8-729-119-76	TRANSISTOR	2SA1175-HFE												
Q36	8-729-820-82	TRANSISTOR	2SA1208-S												
Q37	8-729-820-82	TRANSISTOR	2SA1208-S												
Q38	8-729-255-12	TRANSISTOR	2SC2551-D												
Q41	8-729-903-68	TRANSISTOR	2SD982												
Q42	8-729-801-88	TRANSISTOR	2SA1381-E												
Q43	8-729-801-88	TRANSISTOR	2SA1381-E												
Q44	8-729-903-68	TRANSISTOR	2SD982												
Q45	8-729-140-96	TRANSISTOR	2SD774-34												
Q301	8-729-119-76	TRANSISTOR	2SA1175-HFE												
Q302	8-729-140-96	TRANSISTOR	2SD774-34												
Q303	8-729-801-88	TRANSISTOR	2SA1381-E												
Q304	8-729-801-88	TRANSISTOR	2SA1381-E												
Q305	8-729-119-78	TRANSISTOR	2SC2785-HFE												
Q306	8-729-140-96	TRANSISTOR	2SD774-34												
Q307	8-729-801-88	TRANSISTOR	2SA1381-E												
Q308	8-729-900-65	TRANSISTOR	DTA144ES												
Q309	8-729-900-65	TRANSISTOR	DTA144ES												
Q310	8-729-900-89	TRANSISTOR	DTC144ES												
Q311	8-729-105-74	TRANSISTOR	2SK523-M1												
Q312	8-729-119-78	TRANSISTOR	2SC2785-HFE												
Q313	8-729-119-76	TRANSISTOR	2SA1175-HFE												
Q314	8-729-900-89	TRANSISTOR	DTC144ES												
Q315	8-729-801-88	TRANSISTOR	2SA1381-E												
<RESISTOR>															
R50	1-249-421-11	CARBON	2.2K	5%	1/4W										
R51	1-249-424-11	CARBON	3.9K	5%	1/4W										
R52	1-249-393-11	CARBON	10	5%	1/4W										
R53	1-249-424-11	CARBON	3.9K	5%	1/4W										
R54	1-215-437-00	METAL	4.7K	1%	1/4W										
R55	1-215-439-00	METAL	5.6K	1%	1/4W										
R56	1-215-467-00	METAL	82K	1%	1/4W										
R57	1-247-807-31	CARBON	100	5%	1/4W										
R58	1-247-807-31	CARBON	100	5%	1/4W										
R59	1-249-423-11	CARBON	3.3K	5%	1/4W										
R60	1-247-807-31	CARBON	100	5%	1/4W										
R61	1-249-423-11	CARBON	3.3K	5%	1/4W										
R62	1-249-425-11	CARBON	4.7K	5%	1/4W										
R63	1-249-437-11	CARBON	47K	5%	1/4W										
R65	1-249-425-11	CARBON	4.7K	5%	1/4W										
R66	1-249-421-11	CARBON	2.2K	5%	1/4W	F									
R67	1-249-397-11	CARBON	22	5%	1/4W										
R68	1-249-397-11	CARBON	22	5%	1/4W	F									
R74	1-249-429-11	CARBON	10K	5%											

DD DB

DB

REF. NO.	PART NO.	DESCRIPTION	REMARK
<TRANSISTOR>			
Q1	8-729-205-96	TRANSISTOR 2SC3668-O	
Q2	8-729-205-95	TRANSISTOR 2SA1428-Y	
Q11	8-729-903-82	TRANSISTOR FMW2	
Q12	8-729-920-59	TRANSISTOR IMX2	
Q13	8-729-904-04	TRANSISTOR FMS2	
Q14	8-729-903-10	TRANSISTOR FMW1	
Q15	8-729-920-59	TRANSISTOR IMX2	
Q16	8-729-902-96	TRANSISTOR FMS1	
Q17	8-729-902-96	TRANSISTOR FMS1	
Q18	8-729-902-96	TRANSISTOR FMS1	
Q19	8-729-903-82	TRANSISTOR FMW2	
Q20	8-729-920-59	TRANSISTOR IMX2	
Q21	8-729-903-10	TRANSISTOR FMW1	
Q22	8-729-904-04	TRANSISTOR FMS2	
Q23	8-729-920-59	TRANSISTOR IMX2	
Q24	8-729-902-96	TRANSISTOR FMS1	
Q25	8-729-902-96	TRANSISTOR FMS1	
Q26	8-729-902-96	TRANSISTOR FMS1	
Q27	8-729-903-82	TRANSISTOR FMW2	
Q28	8-729-920-59	TRANSISTOR IMX2	
Q29	8-729-903-10	TRANSISTOR FMW1	
Q30	8-729-904-04	TRANSISTOR FMS2	
Q31	8-729-920-59	TRANSISTOR IMX2	
Q32	8-729-902-96	TRANSISTOR FMS1	
Q33	8-729-902-96	TRANSISTOR FMS1	
Q34	8-729-902-96	TRANSISTOR FMS1	
Q35	8-729-920-59	TRANSISTOR IMX2	
Q36	8-729-903-10	TRANSISTOR FMW1	
Q37	8-729-903-10	TRANSISTOR FMW1	
<RESISTOR>			
R26	1-216-619-11	METAL CHIP 47 0.50% 1/10W	
R27	1-216-619-11	METAL CHIP 47 0.50% 1/10W	
R51	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R52	1-216-673-11	METAL CHIP 8.2K 0.50% 1/10W	
R53	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R54	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R55	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R56	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R57	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R58	1-216-639-11	METAL CHIP 330 0.50% 1/10W	
R59	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R60	1-216-639-11	METAL CHIP 330 0.50% 1/10W	
R61	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R62	1-216-615-11	METAL CHIP 33 0.50% 1/10W	
R63	1-216-615-11	METAL CHIP 33 0.50% 1/10W	
R64	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R65	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R66	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R67	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R68	1-216-639-11	METAL CHIP 330 0.50% 1/10W	
R69	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R70	1-216-615-11	METAL CHIP 33 0.50% 1/10W	
R71	1-216-615-11	METAL CHIP 33 0.50% 1/10W	
R72	1-216-639-11	METAL CHIP 330 0.50% 1/10W	
R73	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R74	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R75	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R76	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R77	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R78	1-216-639-11	METAL CHIP 330 0.50% 1/10W	

REF. NO.	PART NO.	DESCRIPTION	REMARK
R79	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R80	1-216-639-11	METAL CHIP 330 0.50% 1/10W	
R81	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R82	1-216-615-11	METAL CHIP 33 0.50% 1/10W	
R83	1-216-615-11	METAL CHIP 33 0.50% 1/10W	
R84	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R85	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R86	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R87	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R88	1-216-635-11	METAL CHIP 220 0.50% 1/10W	
R89	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R90	1-216-647-11	METAL CHIP 680 0.50% 1/10W	
R91	1-216-647-11	METAL CHIP 680 0.50% 1/10W	
R92	1-216-665-11	METAL CHIP 3.9K 0.50% 1/10W	
R93	1-216-663-11	METAL CHIP 3.3K 0.50% 1/10W	
R94	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R95	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R96	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R97	1-216-655-11	METAL CHIP 1.5K 0.50% 1/10W	
R98	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R99	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R100	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R101	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R102	1-216-655-11	METAL CHIP 1.5K 0.50% 1/10W	
R103	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R104	1-216-663-11	METAL CHIP 3.3K 0.50% 1/10W	
R105	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R106	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R107	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R108	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R110	1-216-697-11	METAL CHIP 82K 0.50% 1/10W	
R111	1-216-661-11	METAL CHIP 2.7K 0.50% 1/10W	
R112	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R113	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R114	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R115	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
<VARIABLE RESISTOR>			
RV1	1-237-505-21	RES, ADJ, CERMET 50K	
RV2	1-237-501-21	RES, ADJ, CERMET 2K	

*A-1346-189-A DB BOARD, COMPLETE			

<CAPACITOR>			
C1501	1-126-157-11	ELECT 10MF 20% 16V	
C1502	1-126-157-11	ELECT 10MF 20% 16V	
C1503	1-126-157-11	ELECT 10MF 20% 16V	
C1504	1-126-157-11	ELECT 10MF 20% 16V	
C1505	1-126-157-11	ELECT 10MF 20% 16V	
C1506	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1507	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1508	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1509	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1510	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1511	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1512	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1513	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1514	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1515	1-163-031-11	CERAMIC CHIP 0.01MF 50V	

REF. NO.	PART NO.	DESCRIPTION	REMARK
C1516	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1517	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1518	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1519	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1520	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1521	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1522	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1523	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1524	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1525	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1526	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1527	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1528	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1529	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1530	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1531	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1532	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1533	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1534	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1535	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1536	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1537	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1538	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1539	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1540	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1541	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1542	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1543	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1544	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1545	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1546	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1547	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1548	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1549	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1550	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1551	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1552	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1553	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1554	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1555	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1556	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1557	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1558	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1559	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1560	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1561	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1562	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1563	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1564	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1565	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1566	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1567	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1568	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1569	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1570	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1571	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1572	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1573	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1574	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1575	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1577	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1578	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1580	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C1581	1-163-031-11	CERAMIC CHIP 0.01MF 50V	

REF. NO.	PART NO.	DESCRIPTION	REMARK
C1582	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 50V	
C1583	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 50V	
C1584	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 50V	
<DIODE>			
D1503	8-719-800-76	DIODE 1SS226	
D1504	8-719-800-76	DIODE 1SS226	
D1505	8-719-800-76	DIODE 1SS226	
D1506	8-719-800-76	DIODE 1SS226	
D1507	8-719-800-76	DIODE 1SS226	
D1508	8-719-800-76	DIODE 1SS226	
<CONNECTOR>			
DB1501*	1-568-984-11	CONNECTOR, MALE 96P	
<IC>			
IC1501	8-759-926-48	IC SN74HC244ANS	
IC1502	8-759-926-48	IC SN74HC244ANS	
IC1503	8-759-926-48	IC SN74HC244ANS	
IC1504	8-759-926-48	IC SN74HC244ANS	
IC1505	8-759-926-11	IC SN74HC138ANS	
IC1506	8-759-926-11	IC SN74HC138ANS	
IC1507	8-759-926-11	IC SN74HC138ANS	
IC1508	8-759-926-11	IC SN74HC138ANS	
IC1509	8-759-926-11	IC SN7	

DB

E

REF. NO.	PART NO.	DESCRIPTION	REMARK
R1808	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R1809	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R1810	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R1811	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R1812	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R1813	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R1814	1-216-645-11	METAL CHIP 560 0.50% 1/10W	
R1815	1-216-663-11	METAL CHIP 3.3K 0.50% 1/10W	
R1816	1-216-655-11	METAL CHIP 1.5K 0.50% 1/10W	
R1817	1-216-655-11	METAL CHIP 1.5K 0.50% 1/10W	
R1818	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R1819	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R1820	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R1821	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R2000	1-216-619-11	METAL CHIP 47 0.50% 1/10W	
R2001	1-216-619-11	METAL CHIP 47 0.50% 1/10W	

*A-1346-190-A E BOARD, COMPLETE			

4-382-854-11 SCREW (M3X10), P, SW (+)			
<CAPACITOR>			
C1	1-126-899-11	ELECT 3900MF 20% 16V	
C2	1-126-899-11	ELECT 3900MF 20% 16V	
C3	1-126-899-11	ELECT 3900MF 20% 16V	
C4	1-102-824-00	CERAMIC 470PF 5% 50V	
C5	1-136-153-00	FILM 0.01MF 5% 50V	
C6	1-102-824-00	CERAMIC 470PF 5% 50V	
C7	1-102-824-00	CERAMIC 470PF 5% 50V	
C8	1-136-153-00	FILM 0.01MF 5% 50V	
C9	1-102-824-00	CERAMIC 470PF 5% 50V	
C10	1-136-153-00	FILM 0.01MF 5% 50V	
C11	1-102-824-00	CERAMIC 470PF 5% 50V	
C12	1-102-824-00	CERAMIC 470PF 5% 50V	
C13	1-130-908-00	FILM 0.0039MF 3% 1.6KV	
C14	1-130-908-00	FILM 0.0039MF 3% 1.6KV	
C15	1-124-585-11	ELECT 3300MF 20% 10V	
C16	1-124-585-11	ELECT 3300MF 20% 10V	
C17	1-123-935-00	ELECT 33MF 20% 160V	
C18	1-129-996-00	FILM 0.22MF 20% 630V	
C19	1-124-585-11	ELECT 3300MF 20% 10V	
C21	1-136-945-11	FILM 8.2MF 5% 200V	
C22	1-136-945-11	FILM 8.2MF 5% 200V	
C23	1-136-945-11	FILM 8.2MF 5% 200V	
C24	1-136-945-11	FILM 8.2MF 5% 200V	
C30	1-136-613-11	FILM 0.0068MF 3% 2KV	
C31	1-106-391-12	MYLAR 0.1MF 10% 200V	
C32	1-124-907-11	ELECT 10MF 20% 50V	
C35	1-102-244-00	CERAMIC 220PF 10% 500V	
C36	1-164-747-11	CERAMIC 330PF 15% 1.5KV	
C37	1-164-747-11	CERAMIC 330PF 15% 1.5KV	
C38	1-164-747-11	CERAMIC 330PF 15% 1.5KV	
C101	1-102-973-00	CERAMIC 100PF 5% 50V	
C102	1-136-159-00	FILM 0.033MF 5% 50V	
C104	1-136-165-00	FILM 0.1MF 5% 50V	
C105	1-136-165-00	FILM 0.1MF 5% 50V	
C106	1-126-101-11	ELECT 100MF 20% 16V	
C109	1-124-903-11	ELECT 1MF 20% 50V	
C110	1-126-101-11	ELECT 100MF 20% 16V	
C111	1-126-101-11	ELECT 100MF 20% 16V	
C112	1-126-101-11	ELECT 100MF 20% 16V	

E

REF. NO.	PART NO.	DESCRIPTION	REMARK
C113	1-124-916-11	ELECT 22MF 20% 50V	
C114	1-124-499-11	ELECT 1MF 20% 50V	
C115	1-136-153-00	FILM 0.01MF 5% 50V	
C116	1-130-475-00	MYLAR 0.0022MF 5% 50V	
C117	1-102-973-00	CERAMIC 100PF 5% 50V	
C118	1-136-165-00	FILM 0.1MF 5% 50V	
C119	1-126-101-11	ELECT 100MF 20% 16V	
C120	1-123-939-00	ELECT 10MF 20% 200V	
C121	1-136-159-00	FILM 0.033MF 5% 50V	
C122	1-123-024-21	ELECT 33MF 160V	
C123	1-123-024-21	ELECT 33MF 160V	
C124	1-125-499-11	ELECT (BLOCK) 220MF 20% 200V	
C125	1-136-153-00	FILM 0.01MF 5% 50V	
C126	1-130-471-00	MYLAR 0.001MF 5% 50V	
C128	1-123-939-00	ELECT 10MF 20% 200V	
C129	1-123-939-00	ELECT 10MF 20% 200V	
C130	1-124-120-11	ELECT 220MF 20% 16V	
C131	1-124-120-11	ELECT 220MF 20% 16V	
C132	1-123-024-21	ELECT 33MF 160V	
C133	1-124-499-11	ELECT 1MF 20% 50V	
C134	1-124-478-11	ELECT 100MF 20% 25V	
C135	1-124-478-11	ELECT 100MF 20% 25V	
C136	1-124-916-11	ELECT 22MF 20% 50V	
C137	1-102-973-00	CERAMIC 100PF 5% 50V	
C138	1-124-907-11	ELECT 10MF 20% 50V	
C139	1-124-360-00	ELECT 1000MF 20% 16V	
C140	1-136-169-00	FILM 0.22MF 5% 50V	
C141	1-130-471-00	MYLAR 0.001MF 5% 50V	
C142	1-125-499-11	ELECT (BLOCK) 220MF 20% 200V	
C143	1-102-824-00	CERAMIC 470PF 5% 50V	
C144	1-136-165-00	FILM 0.1MF 5% 50V	
C145	1-136-153-00	FILM 0.01MF 5% 50V	
C146	1-136-173-00	FILM 0.47MF 5% 50V	
C147	1-136-173-00	FILM 0.47MF 5% 50V	
C148	1-126-101-11	ELECT 100MF 20% 16V	
C149	1-124-907-11	ELECT 10MF 20% 50V	
C150	1-130-471-00	MYLAR 0.001MF 5% 50V	
C151	1-124-903-11	ELECT 1MF 20% 50V	
C152	1-136-165-00	FILM 0.1MF 5% 50V	
C153	1-124-034-51	ELECT 33MF 20% 16V	
C154	1-136-165-00	FILM 0.1MF 5% 50V	
C155	1-136-153-00	FILM 0.01MF 5% 50V	
C156	1-136-165-00	FILM 0.1MF 5% 50V	
C157	1-136-157-00	FILM 0.022MF 5% 50V	
C158	1-124-046-00	ELECT 10MF 160V	
C159	1-124-808-51	ELECT 10MF 20% 200V	
C160	1-136-111-00	FILM 1MF 5% 200V	
C161	1-124-903-11	ELECT 1MF 20% 50V	
C162	1-136-111-00	FILM 1MF 5% 200V	
C163	1-124-907-11	ELECT 10MF 20% 50V	
C164	1-124-907-11	ELECT 10MF 20% 50V	
C165	1-124-907-11	ELECT 10MF 20% 50V	
C166	1-124-907-11	ELECT 10MF 20% 50V	
C167	1-102-824-00	CERAMIC 470PF 5% 50V	
C168	1-136-153-00	FILM 0.01MF 5% 50V	
C169	1-124-768-11	ELECT 4.7MF 20% 50V	
C170	1-124-034-51	ELECT 33MF 20% 16V	
C171	1-136-165-00	FILM 0.1MF 5% 50V	
C172	1-124-907-11	ELECT 10MF 20% 50V	
C173	1-124-034-51	ELECT 33MF 20% 16V	
C174	1-124-034-51	ELECT 33MF 20% 16V	
C175	1-130-706-00	FILM 0.008MF 3% 1.6KV	
C176	1-106-391-12	MYLAR 0.1MF 10% 200V	

REF. NO.	PART NO.	DESCRIPTION	REMARK
C177	1-124-907-11	ELECT 10MF 20% 50V	
C178	1-101-004-00	CERAMIC 0.01MF 50V	
<DIODE>			
D1	8-719-970-89	DIODE DD50R	
D7	8-719-908-20	DIODE ERC88-009	
D8	8-719-908-20	DIODE ERC88-009	
D9	8-719-979-58	DIODE EGP10D	
D10	8-719-979-58	DIODE EGP10D	
D11	8-719-901-19	DIODE VI1N	
D12	8-719-979-58	DIODE EGP10D	
D13	8-719-945-81	DIODE ERC06-15SA	
D14	8-719-900-95	DIODE V09G	
D15	8-719-933-02	DIODE ERD33-02	
D103	8-719-911-19	DIODE ISS119	
D104	8-719-911-19	DIODE ISS119	
D105	8-719-948-45	DIODE ERA22-08	
D106	8-719-948-45	DIODE ERA22-08	
D107	8-719-911-19	DIODE ISS119	
D109	8-719-948-45	DIODE ERA22-08	
D110	8-719-911-19	DIODE ISS119	
D111	8-719-911-19	DIODE ISS119	
D112	8-719-900-26	DIODE ERD29-08J	
D113	8-719-911-19	DIODE ISS119	
D114	8-719-110-53	DIODE RD20ESB2	
D115	8-719-110-53	DIODE RD20ESB2	
D116	8-719-920-67	DIODE ERC91-02	
D117	8-719-911-19	DIODE ISS119	
D118	8-719-948-45	DIODE ERA22-08	
D119	8-719-911-19	DIODE ISS119	
D120	8-719-911-19	DIODE ISS119	
D121	8-719-911-19	DIODE ISS119	
D122	8-719-911-19	DIODE ISS119	
D123	8-719-911-19	DIODE ISS119	
D124	8-719-948-45	DIODE ERA22-08	
D126	8-719-110-88	DIODE RD39ESB2	
D127	8-719-110-41	DIODE RD15ESB2	
D128	8-719-110-41	DIODE RD15ESB2	
D129	8-719-110-41	DIODE RD15ESB2	
D130	8-719-110-41	DIODE RD15ESB2	
D131	8-719-911-19	DIODE ISS119	
D132	8-719-911-19	DIODE ISS119	
D133	8-719-911-19	DIODE ISS119	
D134	8-719-300-80	DIODE RU-1C	
D135	8-719-300-80	DIODE RU-1C	
D136	8-719-300-80	DIODE RU-1C	
D137	8-719-300-80	DIODE RU-1C	
D138	8-719-911-19	DIODE ISS119	
D139	8-719-911-19	DIODE ISS119	
D140	8-719-911-19	DIODE ISS119	
D141	8-719-911-19	DIODE ISS119	
D142	8-719-911-19	DIODE ISS119	
D143	8-719-911-19	DIODE ISS119	
D144	8-719-901-19	DIODE VI1N	
D145	8-719-911-19	DIODE ISS119	
D146	8-719-948-45	DIODE ERA22-08	
D149	8-719-911-19	DIODE ISS119	
<CONNECTOR>			
E-1	*1-564-516-11	PLUG, CONNECTOR 13P	
E-2	*1-564-514-11	PLUG, CONNECTOR 11P	
E-3	*1-564-509-11	PLUG, CONNECTOR 6P	

REF. NO.	PART NO.	DESCRIPTION	REMARK
E-4	*1-580-798-11	CONNECTOR PIN (DY) 6P	
E-5	*1-580-798-11	CONNECTOR PIN (DY) 6P	
E-6	*1-580-798-11	CONNECTOR PIN (DY) 6P	
E-8	*1-580-798-11	CONNECTOR PIN (DY) 6P	
E-9	*1-580-798-11	CONNECTOR PIN (DY) 6P	
E-10	*1-580-798-11	CONNECTOR PIN (DY) 6P	
E-11	1-508-742-00	PIN, CONNECTOR 3P	
E-13	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
<FERRITE BEAD>			
FB1	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB2	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB3	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB4	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB5	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB6	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB7	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
<IC>			
IC1	8-759-945-58	IC RC4558P	
IC2	8-759-945-58	IC RC4558P	
IC3	8-759-945-58	IC RC4558P	
IC101	8-759-345-38	IC HD14538BP	
IC103	8-759-109-82	IC UPC814C	
IC104	8-759-945-58	IC RC4558P	
IC105	8-759-945-58	IC RC4558P	
IC106	8-759-945-58	IC RC4558P	
IC107	8-759-014-95	IC MC1495L	
IC108	8-759-945-58	IC RC4558P	
IC109	8-759-701-79	IC NJM7812FA	
IC110	8-759-929-65	IC LM7912CT	
IC111	8-759-100-75	IC UPC1394C	
IC112	8-759-945-58	IC RC4558P	
IC113	8-759-103-93	IC UPC393C	
IC114	8-759-103-93	IC UPC393C	
<COIL>			
L100	1-459-483-00	COIL (WITH CORE)	
L102	1-459-155-00	COIL (WITH CORE) 45UH	
L103	1-459-155-00	COIL (WITH CORE) 45UH	
L104	1-459-155-00	COIL (WITH CORE) 45UH	
L106	1-459-483-00	COIL (WITH CORE)	
L107	1-410-093-11	INDUCTOR 33MH	
L108	1-410-093-11	INDUCTOR 33MH	
L109	1-459-104-00	COIL, DUST CORE	
L110	1-459-104-00	COIL, DUST CORE	
L111	1-410-093-11	INDUCTOR 33MH	
L112	1-460-022-11	COIL, CHOKE 1.3MH	
L113	1-410-680-31	INDUCTOR 330UH	
L114	1-410-686-11	INDUCTOR 1MH	
L115	1-407-500-00	INDUCTOR 4.7MH	
<VARIABLE COIL>			
LV1	1-460-019-11	COIL, HORIZONTAL ADJUSTMENT	
LV2	1-460-019-11	COIL, HORIZONTAL ADJUSTMENT	
LV3	1-460-019-11	COIL, HORIZONTAL ADJUSTMENT	
<TRANSISTOR>			

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

Les composants identifiés par une trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK	
R258	1-215-435-00	METAL	3.9K 1% 1/4W	C13	1-130-483-00	MYLAR 0.01MF	5% 50V	
R259	1-215-439-00	METAL	5.6K 1% 1/4W	C14	1-124-907-11	ELECT 10MF	20% 50V	
R260	1-215-445-00	METAL	10K 1% 1/4W	C15	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	
R261	1-249-429-11	CARBON	10K 5% 1/4W	C16	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	
R262	1-247-807-31	CARBON	100 5% 1/4W	C17	1-136-165-00	FILM 0.1MF	5% 50V	
R263	1-215-878-00	METAL OXIDE	33K 5% 1W	F	C18	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
R264	1-249-429-11	CARBON	10K 5% 1/4W	C19	1-124-903-11	ELECT 1MF	20% 50V	
R265	1-247-807-31	CARBON	100 5% 1/4W	C20	1-130-483-00	MYLAR 0.01MF	5% 50V	
R266	1-249-441-11	CARBON	100K 5% 1/4W	C21	1-124-903-11	ELECT 1MF	20% 50V	
R267	1-215-379-00	METAL	18 1% 1/4W	C22	1-124-925-11	ELECT 2.2MF	20% 50V	
R268	1-215-379-00	METAL	18 1% 1/4W	C23	1-124-907-11	ELECT 10MF	20% 50V	
R269	1-215-421-00	METAL	1K 1% 1/4W	C24	1-124-907-11	ELECT 10MF	20% 50V	
R270	1-215-421-00	METAL	1K 1% 1/4W	C25	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	
R271	1-215-924-00	METAL OXIDE	15K 5% 3W	F	C26	1-124-903-11	ELECT 1MF	20% 50V
R272	1-249-453-11	CARBON	3.3 5% 1/4W	F	C27	1-130-483-00	MYLAR 0.01MF	5% 50V
R273	1-249-429-11	CARBON	10K 5% 1/4W	C28	1-124-903-11	ELECT 1MF	20% 50V	
R274	1-249-429-11	CARBON	10K 5% 1/4W	C29	1-124-925-11	ELECT 2.2MF	20% 50V	
R275	1-249-429-11	CARBON	10K 5% 1/4W	C30	1-124-907-11	ELECT 10MF	20% 50V	
R276	1-249-429-11	CARBON	10K 5% 1/4W	C31	1-124-907-11	ELECT 10MF	20% 50V	
R281	1-249-451-11	CARBON	2.2 5% 1/4W	F	C32	1-124-907-11	ELECT 10MF	20% 50V
R282	1-249-451-11	CARBON	2.2 5% 1/4W	F	C33	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
R283	1-249-425-11	CARBON	4.7K 5% 1/4W	C34	1-124-927-11	ELECT 4.7MF	20% 50V	
R284	1-215-467-00	METAL	82K 1% 1/4W	C35	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	
R285	1-215-445-00	METAL	10K 1% 1/4W	C36	1-108-792-11	MYLAR 0.001MF	5% 50V	
R286	1-215-911-11	METAL OXIDE	100 5% 3W	F	C38	1-124-925-11	ELECT 2.2MF	20% 50V
R287	1-202-727-00	SOLID	4.7M 10% 1/2W	C39	1-124-907-11	ELECT 10MF	20% 50V	
R288	1-202-727-00	SOLID	4.7M 10% 1/2W	C40	1-126-101-11	ELECT 100MF	20% 16V	
R289	1-202-727-00	SOLID	4.7M 10% 1/2W	C41	1-130-483-00	MYLAR 0.01MF	5% 50V	
R290	1-202-727-00	SOLID	4.7M 10% 1/2W	C42	1-124-927-11	ELECT 4.7MF	20% 50V	
R296	1-249-429-11	CARBON	10K 5% 1/4W	C43	1-124-907-11	ELECT 10MF	20% 50V	
<VARIABLE RESISTOR>								
RV104	1-228-997-00	RES, ADJ, CARBON 100K (SIZE DET)		C44	1-126-101-11	ELECT 100MF	20% 16V	
<TRANSFORMER>								
T2	Δ 1-439-479-11	TRANSFORMER, LINE OUTPUT		C45	1-130-483-00	MYLAR 0.01MF	5% 50V	
T3	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE		C46	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	
T102	Δ 1-439-480-11	TRANSFORMER, HORIZONTAL OUTPUT		C48	1-124-927-11	ELECT 4.7MF	20% 50V	
T103	1-437-144-11	TRANSFORMER, FERRITE (HDT)		C49	1-126-101-11	ELECT 100MF	20% 16V	
T104	1-437-144-11	TRANSFORMER, FERRITE (HDT)		C50	1-130-483-00	MYLAR 0.01MF	5% 50V	
T105	1-424-290-11	TRANSFORMER, DRIVE		C51	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	

*A-1346-191-A	DA BOARD, COMPLETE			C52	1-108-792-11	MYLAR 0.001MF	5% 50V	
*****				C53	1-124-925-11	ELECT 2.2MF	20% 50V	
4-382-854-11	SCREW (M3X10), P, SW (+)			C54	1-124-120-11	ELECT 220PF	20% 50V	
<CAPACITOR>								
C1	1-124-907-11	ELECT 10MF	20% 50V	C55	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	
C2	1-126-101-11	ELECT 100MF	20% 16V	C56	1-163-253-11	CERAMIC CHIP 120PF	5% 50V	
C3	1-124-907-11	ELECT 10MF	20% 50V	C57	1-124-925-11	ELECT 2.2MF	20% 50V	
C4	1-126-101-11	ELECT 100MF	20% 16V	C58	1-124-925-11	ELECT 2.2MF	20% 50V	
C5	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C59	1-124-925-11	ELECT 2.2MF	20% 50V	
C6	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C60	1-124-927-11	ELECT 4.7MF	20% 50V	
C7	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C61	1-124-917-11	ELECT 33MF	20% 50V	
C8	1-124-903-11	ELECT 1MF	20% 50V	C62	1-124-916-11	ELECT 22MF	20% 50V	
C9	1-130-483-00	MYLAR 0.01MF	5% 50V	C63	1-124-925-11	ELECT 2.2MF	20% 50V	
C10	1-124-903-11	ELECT 1MF	20% 50V	C64	1-124-119-00	ELECT 330MF	20% 16V	
C11	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C65	1-163-031-11	CERAMIC CHIP 0.01MF	5% 50V	
C12	1-124-903-11	ELECT 1MF	20% 50V	C66	1-130-471-00	FILM 0.001MF	5% 50V	
C13	1-130-483-00	MYLAR 0.01MF	5% 50V	C67	1-130-471-00	FILM 0.001MF	5% 50V	
C14	1-124-907-11	ELECT 10MF	20% 50V	C68	1-124-927-11	ELECT 4.7MF	20% 50V	
C15	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	C69	1-108-796-11	MYLAR 0.0022MF	5% 50V	
C16	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	C70	1-106-359-00	MYLAR 0.0047MF	5% 50V	
C17	1-136-165-00	FILM 0.1MF	5% 50V	C71	1-124-910-11	ELECT 47MF	20% 50V	
C18	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	C72	1-124-907-11	ELECT 10MF	20% 50V	
C19	1-124-903-11	ELECT 1MF	20% 50V	C73	1-136-165-00	FILM 0.1MF	5% 50V	
C20	1-130-483-00	MYLAR 0.01MF	5% 50V	C74	1-124-927-11	ELECT 4.7MF	20% 50V	
C21	1-124-903-11	ELECT 1MF	20% 50V	C75	1-124-903-11	ELECT 1MF	20% 50V	
C22	1-124-925-11	ELECT 2.2MF	20% 50V	C76	1-124-907-11	ELECT 10MF	20% 50V	
C23	1-124-907-11	ELECT 10MF	20% 50V	C77	1-163-031-11	CERAMIC CHIP 0.01MF	5% 50V	
C24	1-124-907-11	ELECT 10MF	20% 50V	C78	1-124-907-11	ELECT 10MF	20% 50V	
C25	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	C79	1-124-907-11	ELECT 10MF	20% 50V	
C26	1-124-903-11	ELECT 1MF	20% 50V	C80	1-124-907-11	ELECT 10MF	20% 50V	
C27	1-130-483-00	MYLAR 0.01MF	5% 50V	C81	1-124-907-11	ELECT 10MF	20% 50V	
C28	1-124-903-11	ELECT 1MF	20% 50V	C82	1-124-907-11	ELECT 10MF	20% 50V	
C29	1-124-925-11	ELECT 2.2MF	20% 50V	C83	1-124-907-11	ELECT 10MF	20% 50V	
C30	1-124-907-11	ELECT 10MF	20% 50V	C84	1-136-173-00	FILM 0.47MF	5% 50V	
C31	1-124-907-11	ELECT 10MF	20% 50V	C101	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C32	1-124-907-11	ELECT 10MF	20% 50V	C106	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C33	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C107	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C34	1-124-927-11	ELECT 4.7MF	20% 50V	C108	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C35	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C109	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C36	1-108-792-11	MYLAR 0.001MF	5% 50V	C110	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C38	1-124-925-11	ELECT 2.2MF	20% 50V	C111	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C39	1-124-907-11	ELECT 10MF	20% 50V	C112	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C40	1-126-101-11	ELECT 100MF	20% 16V	C113	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C41	1-130-483-00	MYLAR 0.01MF	5% 50V	C114	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C42	1-124-927-11	ELECT 4.7MF	20% 50V	C115	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C43	1-124-907-11	ELECT 10MF	20% 50V	C116	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C44	1-126-101-11	ELECT 100MF	20% 16V	C117	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C45	1-130-483-00	MYLAR 0.01MF	5% 50V	C118	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C46	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C201	1-124-907-11	ELECT 10MF	20% 50V	
C48	1-124-927-11	ELECT 4.7MF	20% 50V	C202	1-130-483-00	MYLAR 0.01MF	5% 50V	
C49	1-126-101-11	ELECT 100MF	20% 16V	C203	1-136-165-00	FILM 0.1MF	5% 50V	
C50	1-130-483-00	MYLAR 0.01MF	5% 50V	C204	1-124-927-11	ELECT 4.7MF	20% 50V	
C51	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	C205	1-124-903-11	ELECT 1MF	20% 50V	
C52	1-108-792-11	MYLAR 0.001MF	5% 50V	C206	1-124-903-11	ELECT 1MF	20% 50V	
C53	1-124-925-11	ELECT 2.2MF	20% 50V	C207	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C54	1-124-120-11	ELECT 220PF	20% 50V	C208	1-124-903-11	ELECT 1MF	20% 50V	
C55	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C209	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C56	1-163-253-11	CERAMIC CHIP 120PF	5% 50V	C210	1-124-907-11	ELECT 10MF	20% 50V	
C57	1-124-925-11	ELECT 2.2MF	20% 50V	C211	1-124-910-11	ELECT 47MF	20% 50V	
C58	1-124-925-11	ELECT 2.2MF	20% 50V	C212	1-124-916-11	ELECT 22MF	20% 50V	
C59	1-124-925-11	ELECT 2.2MF	20% 50V	C213	1-124-925-11	ELECT 2.2MF	20% 50V	
C60	1-124-927-11	ELECT 4.7MF	20% 50V	C214	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C61	1-124-917-11	ELECT 33MF	20% 50V	C215	1-124-925-11	ELECT 2.2MF	20% 50V	
C62	1-124-916-11	ELECT 22MF	20% 50V	C216	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C63	1-124-925-11	ELECT 2.2MF	20% 50V	C217	1-124-925-11	ELECT 2.2MF	20% 50V	
C64	1-124-119-00	ELECT 330MF	20% 16V	C218	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C65	1-163-031-11	CERAMIC CHIP 0.01MF	5% 50V	C219	1-124-925-11	ELECT 2.2MF	20% 50V	
C66	1-130-471-00	FILM 0.001MF	5% 50V	C220	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C67	1-130-471-00	FILM 0.001MF	5% 50V	C221	1-124-927-11	ELECT 4.7MF	20% 50V	
C68	1-124-927-11	ELECT 4.7MF	20% 50V	C222	1-124-907-11	ELECT 10MF	20% 50V	
C69	1-108-796-11	MYLAR 0.0022MF	5% 50V	C223	1-124-925-11	ELECT 2.2MF	20% 50V	
C70	1-106-359-00	MYLAR 0.0047MF	5% 50V	C224	1-163-031-11	CERAMIC CHIP 0.01MF	50V	
C71	1-124-910-11	ELECT 47MF	20% 50V	C225	1-12			

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK	
		<CONNECTOR>														
DA1	*1-568-984-11	CONNECTOR, MALE 96P		Q8	8-729-216-22	TRANSISTOR 2SA1162-G		Q704	8-729-926-23	TRANSISTOR FMW5		R53	1-216-677-11	METAL CHIP 12K 0.50% 1/10W		
				Q9	8-729-105-74	TRANSISTOR 2SK523-M1		Q705	8-729-926-23	TRANSISTOR FMW5		R54	1-216-049-00	METAL GLAZE 1K 5% 1/10W		
				Q10	8-729-216-22	TRANSISTOR 2SA1162-G		Q706	8-729-920-59	TRANSISTOR 1MX2		R55	1-216-049-00	METAL GLAZE 1K 5% 1/10W		
		<IC>		Q11	8-729-216-22	TRANSISTOR 2SA1162-G		Q707	8-729-230-49	TRANSISTOR 2SC2712-YG						
IC1	8-759-701-79	IC NJM7812FA		Q12	8-729-216-22	TRANSISTOR 2SA1162-G		Q708	8-729-216-22	TRANSISTOR 2SA1162-G		R56	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		
IC2	8-759-700-69	IC NJM79L12A		Q13	8-729-230-49	TRANSISTOR 2SC2712-YG						R57	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
IC3	8-759-300-78	IC HD14538BFP		Q14	8-729-901-01	TRANSISTOR DTC144EK		Q709	8-729-904-04	TRANSISTOR FMS2		R58	1-216-679-11	METAL CHIP 15K 0.50% 1/10W		
IC4	8-759-100-96	IC UPC4558G2		Q15	8-729-230-49	TRANSISTOR 2SC2712-YG		Q801	8-729-205-96	TRANSISTOR 2SC3668-0		R59	1-216-693-11	METAL CHIP 56K 0.50% 1/10W		
IC5	8-759-300-78	IC HD14538BFP						Q802	8-729-205-95	TRANSISTOR 2SA1428-Y		R60	1-216-677-11	METAL CHIP 12K 0.50% 1/10W		
IC6	8-759-100-96	IC UPC4558G2		Q16	8-729-926-23	TRANSISTOR FMW5		Q803	8-729-901-01	TRANSISTOR DTC144EK						
IC7	8-759-100-93	IC UPC393G2		Q17	8-729-230-49	TRANSISTOR 2SC2712-YG						R61	1-216-675-11	METAL CHIP 10K 0.50% 1/10W		
IC8	8-759-300-78	IC HD14538BFP		Q18	8-729-230-49	TRANSISTOR 2SC2712-YG						R62	1-216-049-00	METAL GLAZE 1K 5% 1/10W		
IC9	8-759-114-06	IC UPC814G2-1		Q19	8-729-904-04	TRANSISTOR FMS2						R63	1-216-049-00	METAL GLAZE 1K 5% 1/10W		
IC10	8-759-300-78	IC HD14538BFP		Q20	8-729-926-23	TRANSISTOR FMW5						R64	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		
IC11	8-759-100-93	IC UPC393G2		Q21	8-729-230-49	TRANSISTOR 2SC2712-YG						R65	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
IC12	8-759-300-71	IC HD14053BFP		Q22	8-729-230-49	TRANSISTOR 2SC2712-YG						R66	1-216-025-00	METAL GLAZE 100 5% 1/10W		
IC13	8-759-300-78	IC HD14538BFP		Q201	8-729-230-49	TRANSISTOR 2SC2712-YG						R67	1-216-097-00	METAL GLAZE 100K 5% 1/10W		
IC14	8-759-100-93	IC UPC393G2		Q202	8-729-216-22	TRANSISTOR 2SA1162-G						R68	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
IC15	8-749-922-79	IC MC-8638		Q203	8-729-230-49	TRANSISTOR 2SC2712-YG						R69	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		
IC16	8-749-922-80	IC MC-8639		Q204	8-729-230-49	TRANSISTOR 2SC2712-YG						R70	1-216-089-91	METAL GLAZE 47K 5% 1/10W		
IC17	8-759-100-93	IC UPC393G2		Q205	8-729-230-49	TRANSISTOR 2SC2712-YG						R71	1-216-089-91	METAL GLAZE 47K 5% 1/10W		
IC18	8-759-114-06	IC UPC814G2-1		Q206	8-729-903-82	TRANSISTOR FMW2						R72	1-216-097-00	METAL GLAZE 100K 5% 1/10W		
IC20	8-759-114-06	IC UPC814G2-1		Q207	8-729-920-59	TRANSISTOR 1MX2						R73	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
IC21	8-759-114-06	IC UPC814G2-1		Q208	8-729-904-04	TRANSISTOR FMS2						R74	1-216-101-00	METAL GLAZE 150K 5% 1/10W		
IC22	8-759-100-60	IC UPC1377C		Q209	8-729-926-23	TRANSISTOR FMW5						R75	1-216-095-00	METAL GLAZE 82K 5% 1/10W		
IC201	8-752-033-65	IC CXA1158P		Q210	8-729-926-23	TRANSISTOR FMW5						R76	1-216-097-00	METAL GLAZE 100K 5% 1/10W		
IC202	8-759-925-74	IC SN74HC04ANS		Q211	8-729-920-59	TRANSISTOR 1MX2						R77	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
IC203	8-759-114-06	IC UPC814G2-1		Q212	8-729-230-49	TRANSISTOR 2SC2712-YG						R78	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
IC204	8-759-114-06	IC UPC814G2-1		Q213	8-729-216-22	TRANSISTOR 2SA1162-G						R79	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		
IC205	8-759-114-06	IC UPC814G2-1		Q214	8-729-926-23	TRANSISTOR FMW5						R80	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
IC206	8-759-114-06	IC UPC814G2-1		Q215	8-729-216-22	TRANSISTOR 2SA1162-G						R81	1-216-097-00	METAL GLAZE 100K 5% 1/10W		
IC207	8-759-114-06	IC UPC814G2-1		Q216	8-729-903-82	TRANSISTOR FMW2						R82	1-216-089-91	METAL GLAZE 47K 5% 1/10W		
IC208	8-759-100-96	IC UPC4558G2		Q217	8-729-920-59	TRANSISTOR 1MX2						R83	1-216-089-91	METAL GLAZE 47K 5% 1/10W		
IC209	8-759-100-96	IC UPC4558G2		Q218	8-729-904-04	TRANSISTOR FMS2						R84	1-216-097-00	METAL GLAZE 100K 5% 1/10W		
IC210	8-759-100-96	IC UPC4558G2		Q219	8-729-926-23	TRANSISTOR FMW5						R85	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
IC211	8-759-114-06	IC UPC814G2-1		Q220	8-729-926-23	TRANSISTOR FMW5						R86	1-216-097-00	METAL GLAZE 100K 5% 1/10W		
IC212	8-759-114-06	IC UPC814G2-1		Q221	8-729-920-59	TRANSISTOR 1MX2						R87	1-216-075-00	METAL GLAZE 12K 5% 1/10W		
IC213	8-759-300-71	IC HD14053BFP		Q222	8-729-230-49	TRANSISTOR 2SC2712-YG						R88	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
IC214	8-759-114-06	IC UPC814G2-1		Q223	8-729-216-22	TRANSISTOR 2SA1162-G						R89	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		
IC215	8-759-114-06	IC UPC814G2-1		Q224	8-729-903-82	TRANSISTOR FMW2						R90	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
IC216	8-759-114-06	IC UPC814G2-1		Q225	8-729-920-59	TRANSISTOR 1MX2						R91	1-216-097-00	METAL GLAZE 100K 5% 1/10W		
IC401	8-759-114-06	IC UPC814G2-1		Q226	8-729-904-04	TRANSISTOR FMS2						R92	1-216-661-11	METAL CHIP 2.7K 0.50% 1/10W		
IC402	8-759-926-11	IC SN74HC138ANS		Q227	8-729-926-23	TRANSISTOR FMW5						R93	1-216-089-91	METAL GLAZE 47K 5% 1/10W		
IC601	8-759-100-96	IC UPC4558G2		Q228	8-729-926-23	TRANSISTOR FMW5						R94	1-216-089-91	METAL GLAZE 47K 5% 1/10W		
IC701	8-759-114-06	IC UPC814G2-1		Q229	8-729-920-59	TRANSISTOR 1MX2						R95	1-216-097-00	METAL GLAZE 100K 5% 1/10W		
		<COIL>		Q230	8-729-230-49	TRANSISTOR 2SC2712-YG						R96	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
L1	1-459-155-00	COIL (WITH CORE) 45UH		Q231	8-729-216-22	TRANSISTOR 2SA1162-G						R97	1-216-101-00	METAL GLAZE 150K 5% 1/10W		
L2	1-459-155-00	COIL (WITH CORE) 45UH		Q232	8-729-902-96	TRANSISTOR FMS1						R98	1-216-091-00	METAL GLAZE 56K 5% 1/10W		
L801	1-459-155-00	COIL (WITH CORE) 45UH		Q233	8-729-230-49	TRANSISTOR 2SC2712-YG						R99	1-216-097-00	METAL GLAZE 100K 5% 1/10W		
L802	1-459-155-00	COIL (WITH CORE) 45UH		Q234	8-729-902-96	TRANSISTOR FMS1						R100	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
		<TRANSISTOR>		Q235	8-729-230-49	TRANSISTOR 2SC2712-YG						R101	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		
Q1	8-729-230-49	TRANSISTOR 2SC2712-YG		Q236	8-729-926-23	TRANSISTOR FMW5						R102	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
Q2	8-729-216-22	TRANSISTOR 2SA1162-G		Q237	8-729-216-22	TRANSISTOR 2SA1162-G						R103	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
Q3	8-729-230-49	TRANSISTOR 2SC2712-YG		Q238	8-729-926-23	TRANSISTOR FMW5						R104	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
Q4	8-729-216-22	TRANSISTOR 2SA1162-G		Q239	8-729-216-22	TRANSISTOR 2SA1162-G						R105	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
Q5	8-729-230-49	TRANSISTOR 2SC2712-YG		Q401	8-729-230-49	TRANSISTOR 2SC2712-YG						R106	1-216-089-91	METAL GLAZE 47K 5% 1/10W		
Q6	8-729-230-49	TRANSISTOR 2SC2712-YG		Q402	8-729-216-22	TRANSISTOR 2SA1162-G						R107	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
Q7	8-729-216-22	TRANSISTOR 2SA1162-G		Q602	8-729-926-23	TRANSISTOR FMW5						R108	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
				Q603	8-729-230-49	TRANSISTOR 2SC2712-YG						R109	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
				Q604	8-729-230-49	TRANSISTOR 2SC2712-YG						R110	1-216-673-11	METAL CHIP 8.2K 0.50% 1/10W		
				Q605	8-729-230-49	TRANSISTOR 2SC2712-YG						R111	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
				Q701	8-729-903-82	TRANSISTOR FMW2						R112	1-216-073-00	METAL GLAZE 10K 5% 1/10W		
				Q702	8-729-920-59	TRANSISTOR 1MX2						R113	1-216-049-00	METAL GLAZE 1K 5% 1/10W		
				Q703	8-729-904-04	TRANSISTOR FMS2						R114	1-216-049-00	METAL GLAZE 1K 5% 1/10W		
												R115	1-216-049-00	METAL GLAZE 1K 5% 1/10W		

DA

DC

DC

REF. NO.	PART NO.	DESCRIPTION	REMARK
R608	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R609	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R610	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R611	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R612	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R613	1-216-671-11	METAL CHIP 6.8K 0.50% 1/10W	
R614	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R615	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R701	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R702	1-216-689-11	METAL GLAZE 39K 5% 1/10W	
R703	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R704	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R705	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R706	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R707	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R708	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R709	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R710	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R711	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R712	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R713	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R714	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R715	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R716	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R717	1-216-689-11	METAL GLAZE 39K 5% 1/10W	
R718	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R719	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R720	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R721	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R722	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R723	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R724	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R725	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	
R726	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R727	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R728	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R729	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R730	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R732	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R733	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R801	1-216-017-00	METAL GLAZE 47 5% 1/10W	
R802	1-216-017-00	METAL GLAZE 47 5% 1/10W	
R803	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R804	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R807	1-216-049-00	METAL GLAZE 1K 5% 1/10W	

<VARIABLE RESISTOR>

RV1	1-237-503-21	RES, ADJ, CERMET 10K (AFC)
RV2	1-237-503-21	RES, ADJ, CERMET 10K (P-V)
RV3	1-237-501-21	RES, ADJ, CERMET 2K (VIDEO AFC)
RV4	1-237-505-21	RES, ADJ, CERMET 50K (V.HOLD)
RV5	1-237-505-21	RES, ADJ, CERMET 50K (SHIFT)
RV6	1-237-504-21	RES, ADJ, CERMET 20K (FOCUS)

<SWITCH>

S1	1-570-865-11	SWITCH, SLIDE (V SYNC OFF)
S2	1-570-865-11	SWITCH, SLIDE (HD OFF)

REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1346-207-A		DC BOARD, COMPLETE	*****
4-382-854-11		SCREW (M3X10), P. SW (+)	
*4-395-525-01		HOLDER (D), TR	
*4-395-527-01		HOLDER (B), TR	
4-874-042-00		SHEET, INSULATING	
		<CAPACITOR>	
C1	1-124-122-11	ELECT 100MF 20% 50V	
C2	1-126-101-11	ELECT 100MF 20% 16V	
C3	1-124-122-11	ELECT 100MF 20% 50V	
C4	1-126-101-11	ELECT 100MF 20% 16V	
C5	1-124-122-11	ELECT 100MF 20% 50V	
C6	1-102-963-00	CERAMIC 33PF 5% 50V	
C7	1-102-963-00	CERAMIC 33PF 5% 50V	
C8	1-136-157-00	FILM 0.022MF 5% 50V	
C9	1-124-903-11	ELECT 1MF 20% 50V	
C10	1-124-122-11	ELECT 100MF 20% 50V	
C11	1-102-963-00	CERAMIC 33PF 5% 50V	
C12	1-102-963-00	CERAMIC 33PF 5% 50V	
C13	1-136-157-00	FILM 0.022MF 5% 50V	
C14	1-124-903-11	ELECT 1MF 20% 50V	
C15	1-124-122-11	ELECT 100MF 20% 50V	
C16	1-102-963-00	CERAMIC 33PF 5% 50V	
C17	1-102-963-00	CERAMIC 33PF 5% 50V	
C18	1-136-157-00	FILM 0.022MF 5% 50V	
C19	1-124-903-11	ELECT 1MF 20% 50V	
C20	1-136-173-00	FILM 0.47MF 5% 50V	
C21	1-124-556-11	ELECT 2200MF 20% 16V	
C22	1-124-556-11	ELECT 2200MF 20% 16V	
C24	1-136-165-00	FILM 0.1MF 5% 50V	
C25	1-136-165-00	FILM 0.1MF 5% 50V	
C26	1-136-165-00	FILM 0.1MF 5% 50V	
C27	1-136-165-00	FILM 0.1MF 5% 50V	
C28	1-136-165-00	FILM 0.1MF 5% 50V	
C29	1-136-165-00	FILM 0.1MF 5% 50V	
C30	1-136-165-00	FILM 0.1MF 5% 50V	
C31	1-136-165-00	FILM 0.1MF 5% 50V	
C32	1-136-165-00	FILM 0.1MF 5% 50V	
C33	1-124-477-11	ELECT 47MF 20% 16V	
C34	1-124-903-11	ELECT 1MF 20% 50V	
C35	1-124-360-00	ELECT 1000MF 20% 16V	
C36	1-124-907-11	ELECT 10MF 20% 50V	
C37	1-124-907-11	ELECT 10MF 20% 50V	
C101	1-102-824-00	CERAMIC 470PF 5% 50V	
C102	1-124-903-11	ELECT 1MF 20% 50V	
C103	1-101-004-00	CERAMIC 0.01MF 50V	
C104	1-124-122-11	ELECT 100MF 20% 50V	
C105	1-124-922-11	ELECT 1000MF 20% 50V	
C106	1-124-903-11	ELECT 1MF 20% 50V	
C107	1-101-004-00	CERAMIC 0.01MF 50V	
C108	1-124-122-11	ELECT 100MF 20% 50V	
C109	1-124-922-11	ELECT 1000MF 20% 50V	
C110	1-136-159-00	FILM 0.033MF 5% 50V	
C111	1-136-159-00	FILM 0.033MF 5% 50V	
C201	1-130-473-00	MYLAR 0.0015MF 5% 50V	
C202	1-102-973-00	CERAMIC 100PF 5% 50V	
C203	1-102-973-00	CERAMIC 100PF 5% 50V	
C204	1-136-153-00	FILM 0.01MF 5% 50V	
C205	1-124-477-11	ELECT 47MF 20% 16V	
C206	1-124-122-11	ELECT 100MF 20% 50V	
C207	1-101-004-00	CERAMIC 0.01MF 50V	

REF. NO.	PART NO.	DESCRIPTION	REMARK
C208	1-124-122-11	ELECT 100MF 20% 50V	
C209	1-101-004-00	CERAMIC 0.01MF 50V	
C210	1-130-473-00	MYLAR 0.0015MF 5% 50V	
C211	1-102-973-00	CERAMIC 100PF 5% 50V	
C212	1-102-973-00	CERAMIC 100PF 5% 50V	
C213	1-136-153-00	FILM 0.01MF 5% 50V	
C214	1-124-477-11	ELECT 47MF 20% 16V	
C215	1-124-122-11	ELECT 100MF 20% 50V	
C216	1-101-004-00	CERAMIC 0.01MF 50V	
C217	1-124-122-11	ELECT 100MF 20% 50V	
C218	1-101-004-00	CERAMIC 0.01MF 50V	
C219	1-130-473-00	MYLAR 0.0015MF 5% 50V	
C220	1-102-973-00	CERAMIC 100PF 5% 50V	
C221	1-102-973-00	CERAMIC 100PF 5% 50V	
C222	1-136-153-00	FILM 0.01MF 5% 50V	
C223	1-124-477-11	ELECT 47MF 20% 16V	
C224	1-124-122-11	ELECT 100MF 20% 50V	
C225	1-101-004-00	CERAMIC 0.01MF 50V	
C226	1-124-122-11	ELECT 100MF 20% 50V	
C227	1-101-004-00	CERAMIC 0.01MF 50V	
C228	1-124-907-11	ELECT 10MF 20% 50V	
C229	1-101-004-00	CERAMIC 0.01MF 50V	
C230	1-124-907-11	ELECT 10MF 20% 50V	
C231	1-101-004-00	CERAMIC 0.01MF 50V	
C232	1-124-907-11	ELECT 10MF 20% 50V	
C233	1-101-004-00	CERAMIC 0.01MF 50V	
C234	1-124-907-11	ELECT 10MF 20% 50V	
C235	1-101-004-00	CERAMIC 0.01MF 50V	
C236	1-124-907-11	ELECT 10MF 20% 50V	
C237	1-101-004-00	CERAMIC 0.01MF 50V	
C238	1-124-907-11	ELECT 10MF 20% 50V	
C239	1-101-004-00	CERAMIC 0.01MF 50V	
C243	1-102-121-00	CERAMIC 0.0022MF 10% 50V	
C244	1-102-121-00	CERAMIC 0.0022MF 10% 50V	
C245	1-102-121-00	CERAMIC 0.0022MF 10% 50V	
C246	1-102-947-00	CERAMIC 10PF 0.5PF 50V	
C247	1-130-471-00	MYLAR 0.001MF 5% 50V	
C248	1-102-947-00	CERAMIC 10PF 0.5PF 50V	
C249	1-130-471-00	MYLAR 0.001MF 5% 50V	
C250	1-102-947-00	CERAMIC 10PF 0.5PF 50V	
C251	1-130-471-00	MYLAR 0.001MF 5% 50V	
C301	1-130-473-00	MYLAR 0.0015MF 5% 50V	
C302	1-102-973-00	CERAMIC 100PF 5% 50V	
C303	1-102-973-00	CERAMIC 100PF 5% 50V	
C304	1-136-153-00	FILM 0.01MF 5% 50V	
C305	1-124-477-11	ELECT 47MF 20% 16V	
C306	1-124-122-11	ELECT 100MF 20% 50V	
C307	1-101-004-00	CERAMIC 0.01MF 50V	
C308	1-124-122-11	ELECT 100MF 20% 50V	
C309	1-101-004-00	CERAMIC 0.01MF 50V	
C310	1-130-473-00	MYLAR 0.0015MF 5% 50V	
C311	1-102-973-00	CERAMIC 100PF 5% 50V	
C312	1-102-973-00	CERAMIC 100PF 5% 50V	
C313	1-136-153-00	FILM 0.01MF 5% 50V	
C314	1-124-477-11	ELECT 47MF 20% 16V	
C315	1-124-122-11	ELECT 100MF 20% 50V	
C316	1-101-004-00	CERAMIC 0.01MF 50V	
C317	1-124-122-11	ELECT 100MF 20% 50V	
C318	1-101-004-00	CERAMIC 0.01MF 50V	
C319	1-130-473-00	MYLAR 0.0015MF 5% 50V	
C320	1-102-973-00	CERAMIC 100PF 5% 50V	
C321	1-102-973-00	CERAMIC 100PF 5% 50V	
C322	1-136-153-00	FILM 0.01MF 5% 50V	
C323	1-124-477-11	ELECT 47MF 20% 16V	

REF. NO.	PART NO.	DESCRIPTION	REMARK
C324	1-124-477-11	ELECT 47MF 20% 16V	
C325	1-101-004-00	CERAMIC 0.01MF 50V	
C326	1-124-477-11	ELECT 47MF 20% 16V	
C327	1-101-004-00	CERAMIC 0.01MF 50V	
C328	1-124-907-11	ELECT 10MF 20% 50V	
C329	1-101-004-00	CERAMIC 0.01MF 50V	
C330	1-124-907-11	ELECT 10MF 20% 50V	
C331	1-101-004-00	CERAMIC 0.01MF 50V	
C332	1-124-907-11	ELECT 10MF 20% 50V	
C333	1-101-004-00	CERAMIC 0.01MF 50V	
C334	1-124-907-11	ELECT 10MF 20% 50V	
C335	1-101-004-00	CERAMIC 0.01MF 50V	
C336	1-124-907-11	ELECT 10MF 20% 50V	
C337	1-101-004-00	CERAMIC 0.01MF 50V	
C338	1-124-907-11	ELECT 10MF 20% 50V	
C339	1-101-004-00	CERAMIC 0.01MF 50V	
C343	1-102-119-00	CERAMIC 0.0015MF 10% 50V	
C344	1-102-119-00	CERAMIC 0.0015MF 10% 50V	
C345	1-102-119-00	CERAMIC 0.0015MF 10% 50V	
C346	1-102-947-00	CERAMIC 10PF 0.5PF 50V	
C347	1-130-471-00	MYLAR 0.001MF 5% 50V	
C348	1-102-947-00	CERAMIC 10PF 0.5PF 50V	
C349	1-130-471-00	MYLAR 0.001MF 5% 50V	
C350	1-102-947-00	CERAMIC 10PF 0.5PF 50V	
C351	1-130-471-00	MYLAR 0.001MF 5% 50V	

<DIODE>

D1	8-719-900-95	DIODE V09G
D2	8-719-900-95	DIODE V09G
D3	8-719-900-95	DIODE V09G
D4	8-719-911-19	DIODE 1SS119
D5	8-719-900-95	DIODE V09G
D6	8-719-911-19	DIODE 1SS119
D7	8-719-900-95	DIODE V09G
D8	8-719-911-19	DIODE 1SS119
D9	8-719-911-19	DIODE 1SS119
D10	8-719-911-19	DIODE 1SS119
D11	8-719-911-19	DIODE 1SS119
D12	8-719-911-19	DIODE 1SS119
D13	8-719-911-19	DIODE 1SS119
D15	8-719-911-19	DIODE 1SS119
D16	8-719-911-19	DIODE 1SS119
D101	8-719-911-19	DIODE 1SS119
D102	8-719-908-20	DIODE ERC88-009
D103	8-719-908-20	DIODE ERC88-009
D104	8-719-911-19	DIODE 1SS119
D105	8-719-908-20	DIODE ERC88-009
D106	8-719-908-20	DIODE ERC88-009
D201	8-719-110-41	DIODE RD15ESB2
D202	8-719-109-66	DIODE RD3.3ESB2
D203	8-71	

DC

DC

REF. NO.	PART NO.	DESCRIPTION	REMARK
D303	8-719-911-19	DIODE 1SS119	
D304	8-719-911-19	DIODE 1SS119	
D305	8-719-110-41	DIODE RD15ESB2	
D306	8-719-109-66	DIODE RD3.3ESB2	
D307	8-719-911-19	DIODE 1SS119	
D308	8-719-911-19	DIODE 1SS119	
D309	8-719-110-41	DIODE RD15ESB2	
D310	8-719-109-66	DIODE RD3.3ESB2	
D311	8-719-911-19	DIODE 1SS119	
D312	8-719-911-19	DIODE 1SS119	
<CONNECTOR>			
DC-1	*1-564-514-11	PLUG, CONNECTOR 11P	
DC-2	*1-564-509-11	PLUG, CONNECTOR 6P	
DC-3	*1-564-515-11	PLUG, CONNECTOR 12P	
DC-4	*1-564-507-11	PLUG, CONNECTOR 4P	
DC-5	*1-564-507-11	PLUG, CONNECTOR 4P	
DC-6	*1-564-507-11	PLUG, CONNECTOR 4P	
DC-7	*1-564-507-11	PLUG, CONNECTOR 4P	
DC-8	*1-564-507-11	PLUG, CONNECTOR 4P	
DC-9	*1-564-507-11	PLUG, CONNECTOR 4P	
DC-10	*1-564-508-11	PLUG, CONNECTOR 5P	
DC-11	*1-564-508-11	PLUG, CONNECTOR 5P	
DC-12	*1-564-508-11	PLUG, CONNECTOR 5P	
DC-13	*1-564-509-11	PLUG, CONNECTOR 6P	
DC-14	1-508-742-00	PIN, CONNECTOR 3P	
DC-15	1-508-742-00	PIN, CONNECTOR 3P	
<FERRITE BEAD>			
FB1	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB2	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB3	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB4	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
<IC>			
IC1	8-759-701-79	IC NJM7812FA	
IC2	8-759-929-65	IC LM7912CT	
IC3	8-759-945-58	IC RC4558P	
IC4	8-759-113-13	IC UPC1498H	
IC5	8-759-945-58	IC RC4558P	
IC6	8-759-113-13	IC UPC1498H	
IC7	8-759-945-58	IC RC4558P	
IC8	8-759-113-13	IC UPC1498H	
IC9	8-759-945-58	IC RC4558P	
IC101	8-759-109-82	IC UPC814C	
IC102	8-759-109-82	IC UPC814C	
IC103	8-759-109-82	IC UPC814C	
IC201	8-759-973-02	IC LM6364N	
IC202	8-759-973-02	IC LM6364N	
IC203	8-759-973-02	IC LM6364N	
IC301	8-759-973-02	IC LM6364N	
IC302	8-759-973-02	IC LM6364N	
IC303	8-759-973-02	IC LM6364N	
<COIL>			
L103	1-459-155-00	COIL (WITH CORE) 45UH	
L104	1-459-155-00	COIL (WITH CORE) 45UH	
<TRANSISTOR>			
Q1	8-729-119-78	TRANSISTOR 2SC2785-HFE	

REF. NO.	PART NO.	DESCRIPTION	REMARK
Q2	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q3	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q4	8-729-900-89	TRANSISTOR DTC144ES	
Q5	8-729-900-89	TRANSISTOR DTC144ES	
Q6	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q8	8-729-900-89	TRANSISTOR DTC144ES	
Q9	8-729-207-89	TRANSISTOR 2SA1358-Y	
Q10	8-729-207-82	TRANSISTOR 2SC3421-Y	
Q11	8-729-900-89	TRANSISTOR DTC144ES	
Q13	8-729-900-89	TRANSISTOR DTC144ES	
Q101	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q102	8-729-105-74	TRANSISTOR 2SK523-M1	
Q103	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q104	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q105	8-729-142-68	TRANSISTOR 2SJ143	
Q106	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q107	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q108	8-729-142-69	TRANSISTOR 2SK817	
Q201	8-729-207-89	TRANSISTOR 2SA1358-Y	
Q202	8-729-207-82	TRANSISTOR 2SC3421-Y	
Q203	8-729-142-74	TRANSISTOR 2SD1977	
Q204	8-729-142-70	TRANSISTOR 2SB1315	
Q205	8-729-207-89	TRANSISTOR 2SA1358-Y	
Q206	8-729-207-82	TRANSISTOR 2SC3421-Y	
Q207	8-729-142-74	TRANSISTOR 2SD1977	
Q208	8-729-142-70	TRANSISTOR 2SB1315	
Q209	8-729-207-89	TRANSISTOR 2SA1358-Y	
Q210	8-729-207-82	TRANSISTOR 2SC3421-Y	
Q211	8-729-142-74	TRANSISTOR 2SD1977	
Q212	8-729-142-70	TRANSISTOR 2SB1315	
Q301	8-729-207-89	TRANSISTOR 2SA1358-Y	
Q302	8-729-207-82	TRANSISTOR 2SC3421-Y	
Q303	8-729-142-74	TRANSISTOR 2SD1977	
Q304	8-729-142-70	TRANSISTOR 2SB1315	
Q305	8-729-207-89	TRANSISTOR 2SA1358-Y	
Q306	8-729-207-82	TRANSISTOR 2SC3421-Y	
Q307	8-729-142-74	TRANSISTOR 2SD1977	
Q308	8-729-142-70	TRANSISTOR 2SB1315	
Q309	8-729-207-89	TRANSISTOR 2SA1358-Y	
Q310	8-729-207-82	TRANSISTOR 2SC3421-Y	
Q311	8-729-142-74	TRANSISTOR 2SD1977	
Q312	8-729-142-70	TRANSISTOR 2SB1315	
<RESISTOR>			
R1	1-215-463-00	METAL 56K 1% 1/4W	
R2	1-215-445-00	METAL 10K 1% 1/4W	
R3	1-215-445-00	METAL 10K 1% 1/4W	
R4	1-214-800-11	METAL 2.2 1% 1/2W	
R5	1-214-800-11	METAL 2.2 1% 1/2W	
R6	1-215-429-00	METAL 2.2K 1% 1/4W	
R7	1-215-421-00	METAL 1K 1% 1/4W	
R8	1-215-898-11	METAL OXIDE 10K 5% 2W	
R9	1-249-433-11	CARBON 22K 5% 1/4W	
R10	1-249-417-11	CARBON 1K 5% 1/4W	
R11	1-249-441-11	CARBON 100K 5% 1/4W	
R12	1-249-429-11	CARBON 10K 5% 1/4W	
R13	1-249-429-11	CARBON 10K 5% 1/4W	
R14	1-249-429-11	CARBON 10K 5% 1/4W	
R15	1-215-463-00	METAL 56K 1% 1/4W	
R16	1-215-445-00	METAL 10K 1% 1/4W	
R17	1-215-445-00	METAL 10K 1% 1/4W	
R18	1-214-800-11	METAL 2.2 1% 1/2W	
R19	1-214-800-11	METAL 2.2 1% 1/2W	

REF. NO.	PART NO.	DESCRIPTION	REMARK
R20	1-215-429-00	METAL 2.2K 1% 1/4W	
R21	1-215-421-00	METAL 1K 1% 1/4W	
R22	1-215-898-11	METAL OXIDE 10K 5% 2W	
R23	1-249-433-11	CARBON 22K 5% 1/4W	
R24	1-249-417-11	CARBON 1K 5% 1/4W	
R25	1-249-441-11	CARBON 100K 5% 1/4W	
R26	1-249-429-11	CARBON 10K 5% 1/4W	
R27	1-249-429-11	CARBON 10K 5% 1/4W	
R28	1-249-429-11	CARBON 10K 5% 1/4W	
R29	1-215-463-00	METAL 56K 1% 1/4W	
R30	1-215-445-00	METAL 10K 1% 1/4W	
R31	1-215-445-00	METAL 10K 1% 1/4W	
R32	1-214-800-11	METAL 2.2 1% 1/2W	
R33	1-214-800-11	METAL 2.2 1% 1/2W	
R34	1-215-429-00	METAL 2.2K 1% 1/4W	
R35	1-215-421-00	METAL 1K 1% 1/4W	
R36	1-215-898-11	METAL OXIDE 10K 5% 2W	
R37	1-249-433-11	CARBON 22K 5% 1/4W	
R38	1-249-417-11	CARBON 1K 5% 1/4W	
R39	1-249-441-11	CARBON 100K 5% 1/4W	
R40	1-249-429-11	CARBON 10K 5% 1/4W	
R41	1-249-429-11	CARBON 10K 5% 1/4W	
R42	1-249-429-11	CARBON 10K 5% 1/4W	
R43	1-249-429-11	CARBON 10K 5% 1/4W	
R44	1-249-429-11	CARBON 10K 5% 1/4W	
R45	1-249-417-11	CARBON 1K 5% 1/4W	
R46	1-249-433-11	CARBON 22K 5% 1/4W	
R47	1-249-433-11	CARBON 22K 5% 1/4W	
R48	1-249-429-11	CARBON 10K 5% 1/4W	
R49	1-249-429-11	CARBON 10K 5% 1/4W	
R50	1-249-437-11	CARBON 47K 5% 1/4W	
R51	1-249-417-11	CARBON 1K 5% 1/4W	
R52	1-249-417-11	CARBON 1K 5% 1/4W	
R55	1-215-883-11	METAL OXIDE 33 5% 2W	
R56	1-249-433-11	CARBON 22K 5% 1/4W	
R57	1-249-429-11	CARBON 10K 5% 1/4W	
R58	1-249-417-11	CARBON 1K 5% 1/4W	
R59	1-216-449-11	METAL OXIDE 56 5% 2W	
R61	1-215-463-00	METAL 56K 1% 1/4W	
R62	1-215-463-00	METAL 56K 1% 1/4W	
R63	1-215-463-00	METAL 56K 1% 1/4W	
R64	1-216-363-00	METAL OXIDE 0.33 5% 2W	
R65	1-216-363-00	METAL OXIDE 0.33 5% 2W	
R66	1-249-421-11	CARBON 2.2K 5% 1/4W	
R67	1-249-429-11	CARBON 10K 5% 1/4W	
R68	1-249-433-11	CARBON 22K 5% 1/4W	
R69	1-249-429-11	CARBON 10K 5% 1/4W	
R72	1-249-429-11	CARBON 10K 5% 1/4W	
R73	1-249-441-11	CARBON 100K 5% 1/4W	
R74	1-249-429-11	CARBON 10K 5% 1/4W	
R75	1-216-363-00	METAL OXIDE 0.33 5% 2W	
R76	1-216-363-00	METAL OXIDE 0.33 5% 2W	
R77	1-249-417-11	CARBON 1K 5% 1/4W	
R79	1-249-429-11	CARBON 10K 5% 1/4W	
R80	1-249-393-11	CARBON 10 5% 1/4W	
R81	1-249-393-11	CARBON 10 5% 1/4W	
R82	1-249-429-11	CARBON 10K 5% 1/4W	
R101	1-249-417-11	CARBON 1K 5% 1/4W	
R102	1-249-417-11	CARBON 1K 5% 1/4W	
R103	1-249-419-11	CARBON 1.5K 5% 1/4W	
R104	1-249-429-11	CARBON 10K 5% 1/4W	
R105	1-249-425-11	CARBON 4.7K 5% 1/4W	
R106	1-249-417-11	CARBON 1K 5% 1/4W	
R107	1-249-393-11	CARBON 10 5% 1/4W	

REF. NO.	PART NO.	DESCRIPTION	REMARK
R108	1-249-393-11	CARBON 10 5% 1/4W	
R109	1-247-807-31	CARBON 100 5% 1/4W	
R110	1-249-393-11	CARBON 10 5% 1/4W	
R111	1-249-417-11	CARBON 1K 5% 1/4W	
R112	1-249-393-11	CARBON 10 5% 1/4W	
R113	1-249-393-11	CARBON 10 5% 1/4W	
R114	1-247-807-31	CARBON 100 5% 1/4W	
R115	1-249-393-11	CARBON 10 5% 1/4W	
R201	1-215-425-00	METAL 1.5K 1% 1/4W	
R202	1-215-445-00	METAL 10K 1% 1/4W	
R203	1-215-421-00	METAL 1K 1% 1/4W	
R204	1-215-417-00	METAL 680 1% 1/4W	
R205	1-215-439-00	METAL 5.6K 1% 1/4W	
R206	1-215-421-00	METAL 1K 1% 1/4W	
R207	1-215-421-00	METAL 1K 1% 1/4W	
R208	1-214-814-11	METAL 8.2 1% 1/2W	
R209	1-214-814-11	METAL 8.2 1% 1/2W	
R210	1-214-814-11	METAL 8.2 1% 1/2W	
R211	1-214-814-11	METAL 8.2 1% 1/2W	
R212	1-214-814-11	METAL 8.2 1% 1/2W	
R213	1-214-814-11	METAL 8.2 1% 1/2W	
R214	1-249-435-11	CARBON 33K 5% 1/4W	
R215	1-249-426-11	CARBON 5.6K 5% 1/4W	
R216	1-249-415-11	CARBON 680 5% 1/4W	
R217	1-249-427-11	CARBON 6.8K 5% 1/4W	
R218	1-247-811-31	CARBON 150 5% 1/4W	
R219	1-249-403-11	CARBON 68 5% 1/4W	
R221	1-216-369-00	METAL OXIDE 1 5% 2W	
R222	1-216-369-00	METAL OXIDE 1 5% 2W	
R223	1-215-885-00	METAL OXIDE 68 5% 2W	
R224	1-215-425-00	METAL 1.5K 1% 1/4W	
R225	1-215-4		

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REF. NO.	PART NO.	DESCRIPTION	REMARK
R523	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R524	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R525	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R526	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R527	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R528	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R529	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R530	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R531	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R532	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R533	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R534	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R535	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R536	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R537	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R538	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R539	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R540	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R541	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R542	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R543	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R544	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R545	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R546	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R547	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R548	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R549	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R550	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R551	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R552	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R553	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R554	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R555	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R556	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R557	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R558	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R559	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R560	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R561	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R562	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R563	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R564	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R565	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R566	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R567	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R568	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R569	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R570	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R571	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R572	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R573	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R574	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R575	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R576	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R577	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R578	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R579	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R580	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R581	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R582	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R583	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R584	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R585	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R586	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	

REF. NO.	PART NO.	DESCRIPTION	REMARK
R587	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R588	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R589	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R590	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R591	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R592	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R593	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R594	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R595	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R596	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R597	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R598	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R599	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R600	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R601	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R602	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R603	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R604	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R605	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R606	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R607	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R608	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R609	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R610	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R611	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R612	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R613	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R614	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R615	1-216-635-11	METAL CHIP 220 0.50% 1/10W	
R635	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R636	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R637	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R638	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R639	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R640	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R641	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R642	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R643	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R644	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R645	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R646	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R647	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R648	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R649	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R650	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R651	1-216-661-11	METAL CHIP 2.7K 0.50% 1/10W	
R652	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R653	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R654	1-216-661-11	METAL CHIP 2.7K 0.50% 1/10W	
R655	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R656	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R657	1-216-661-11	METAL CHIP 2.7K 0.50% 1/10W	
R658	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R659	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R660	1-216-661-11	METAL CHIP 2.7K 0.50% 1/10W	
R661	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R662	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R663	1-216-661-11	METAL CHIP 2.7K 0.50% 1/10W	
R664	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R665	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R666	1-216-661-11	METAL CHIP 2.7K 0.50% 1/10W	
R667	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R668	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	

REF. NO.	PART NO.	DESCRIPTION	REMARK
R689	1-216-619-11	METAL CHIP 47 0.50% 1/10W	
R690	1-216-619-11	METAL CHIP 47 0.50% 1/10W	

*A-1380-374-A KA BOARD, COMPLETE			

4-382-854-11 SCREW (M3X10), P, SW (+)			
<CAPACITOR>			
C501	1-124-910-11	ELECT 47MF 20% 50V	
C502	1-101-004-00	CERAMIC 0.01MF 50V	
C503	1-124-907-11	ELECT 10MF 20% 50V	
C504	1-124-927-11	ELECT 4.7MF 20% 50V	
C505	1-101-002-00	CERAMIC 0.0022MF 50V	
C506	1-124-477-11	ELECT 47MF 20% 16V	
C507	1-124-477-11	ELECT 47MF 20% 16V	
C508	1-126-103-11	ELECT 470MF 20% 16V	
C509	1-126-103-11	ELECT 470MF 20% 16V	
C510	1-136-169-00	FILM 0.22MF 5% 50V	
C511	1-136-169-00	FILM 0.22MF 5% 50V	
C512	1-124-557-11	ELECT 1000MF 20% 25V	
C513	1-124-911-11	ELECT 220MF 20% 50V	
<DIODE>			
D501	8-719-900-95	DIODE V09G	
<DIODE>			
<IC>			
IC501	8-759-101-77	IC UPC124IH	
<CONNECTOR>			
KA-501 1-564-517-11 PLUG, CONNECTOR 2P			
KA-502*1-564-520-11 PLUG, CONNECTOR 5P			
<TRANSISTOR>			
Q501	8-729-112-61	TRANSISTOR 2SA1441-L	
Q502	8-729-119-76	TRANSISTOR 2SA1175-HFE	
<RESISTOR>			
R501	1-249-423-11	CARBON 3.3K 5% 1/4W	
R502	1-249-421-11	CARBON 2.2K 5% 1/4W	
R503	1-247-807-31	CARBON 100 5% 1/4W	
R504	1-249-421-11	CARBON 2.2K 5% 1/4W	
R505	1-249-419-11	CARBON 1.5K 5% 1/4W	
R506	1-249-381-11	CARBON 1 5% 1/4W	
R507	1-247-704-11	CARBON 220 5% 1/4W F	
R508	1-249-417-11	CARBON 1K 5% 1/4W	
R509	1-249-451-11	CARBON 2.2 5% 1/4W F	

*A-1380-466-A K BOARD, COMPLETE			

*4-034-120-01 HOLDER (A)			
4-382-854-11 SCREW (M3X10), P, SW (+)			
<CAPACITOR>			

REF. NO.	PART NO.	DESCRIPTION	REMARK
C201	1-124-907-11	ELECT 10MF 20% 50V	
C202	1-124-907-11	ELECT 10MF 20% 50V	
C203	1-124-907-11	ELECT 10MF 20% 50V	
C204	1-101-004-00	CERAMIC 0.01MF 50V	
C205	1-101-004-00	CERAMIC 0.01MF 50V	
C206	1-124-907-11	ELECT 10MF 20% 50V	
C207	1-124-794-51	ELECT 4.7MF 20% 100V	
C208	1-102-050-00	CERAMIC 0.01MF 500V	
C209	1-124-903-11	ELECT 1MF 20% 50V	
C210	1-136-173-00	FILM 0.47MF 5% 50V	
C211	1-124-910-11	ELECT 47MF 20% 50V	
C212	1-124-910-11	ELECT 47MF 20% 50V	
C213	1-124-907-11	ELECT 10MF 20% 50V	
C214	1-124-907-11	ELECT 10MF 20% 50V	
<CONNECTOR>			
CN291	1-564-523-11	PLUG, CONNECTOR 8P	
CN292	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CN293	*1-564-517-11	PLUG, CONNECTOR 2P	
CN294	*1-564-518-11	PLUG, CONNECTOR 3P	
<DIODE>			
D201	8-719-110-17	DIODE RD10ESB2	
D202	8-719-110-17	DIODE RD10ESB2	
D203	8-719-948-45	DIODE ERA22-08	
D204	8-719-911-19	DIODE ISS119	
D205	8-719-911-19	DIODE ISS119	
<IC>			
IC201	8-759-109-82	IC UPC814C	
IC202	8-759-109-82	IC UPC814C	
<COIL>			
L201	1-459-155-00	COIL (WITH CORE) 45UH	
<TRANSISTOR>			
Q201	8-729-112-61	TRANSISTOR 2SA1441-L	
Q202	8-729-207-82	TRANSISTOR 2SC3421-Y	
Q203	8-729-143-42	TRANSISTOR 2SK929	
Q204	8-729-143-42	TRANSISTOR 2SK929	
Q205	8-729-142-74	TRANSISTOR 2SD1977	
Q206	8-729-142-70	TRANSISTOR 2SB1315	
<RESISTOR>			
R201	1-215-429-00	METAL 2.2K 1% 1/4W	
R202	1-215-429-00	METAL 2.2K 1% 1/4W	
R203	1-215-461-00	METAL 47K 1% 1/4W	
R204	1-215-429-00	METAL 2.2K 1% 1/4W	
R205	1-249-417-11	CARBON 1K 5% 1/4W	
R206	1-215-445-00	METAL 10K 1% 1/4W	
R207	1-249-425-11	CARBON 4.7K 5% 1/4W	
R208	1-215-453-00	METAL 22K 1% 1/4W	
R209	1-215-453-00	METAL 22K 1% 1/4W	
R210	1-202-818-00	SOLID 1K 20% 1/2W	
R211	1-202-818-00	SOLID 1K 20% 1/2W	
R212	1-249-429-11	CARBON 10K 5% 1/4W	
R213	1-249-441-11	CARBON 100K 5% 1/4W	
R214	1-215-491-00	METAL 820K 1% 1/4W	
R215	1-215-902-11	METAL OXIDE 47K 5% 2W F	

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REF. NO.	PART NO.	DESCRIPTION	REMARK
R216	1-215-409-00	METAL 330 1% 1/4W	
R217	1-249-425-11	CARBON 4.7K 5% 1/4W	
R218	1-249-429-11	CARBON 10K 5% 1/4W	
R219	1-247-713-11	CARBON 1K 5% 1/4W	F
R220	1-247-700-11	CARBON 100 5% 1/4W	F
R221	1-202-842-11	SOLID 220K 20% 1/2W	
R222	1-247-713-11	CARBON 1K 5% 1/4W	F
R223	1-215-904-11	METAL OXIDE 100K 5% 2W	F
R224	1-202-842-11	SOLID 220K 20% 1/2W	
R225	1-247-713-11	CARBON 1K 5% 1/4W	F
R226	1-249-389-11	CARBON 4.7 5% 1/4W	F
R227	1-249-451-11	CARBON 2.2 5% 1/4W	F
R228	1-215-425-00	METAL 1.5K 1% 1/4W	
R229	1-249-437-11	CARBON 47K 5% 1/4W	
R230	1-215-407-00	METAL 270 1% 1/4W	
R231	1-215-435-00	METAL 3.9K 1% 1/4W	
R232	1-247-700-11	CARBON 100 5% 1/4W	F
R233	1-247-700-11	CARBON 100 5% 1/4W	F
R234	1-249-447-11	CARBON 1 5% 1/4W	F
R235	1-249-447-11	CARBON 1 5% 1/4W	F
R236	1-247-713-11	CARBON 1K 5% 1/4W	F
R237	1-249-433-11	CARBON 22K 5% 1/4W	
R238	1-249-451-11	CARBON 2.2 5% 1/4W	F
<SPARK GAP>			
SG201	1-519-063-XX	DISCHARGING GAP	
SG202	1-519-063-XX	DISCHARGING GAP	
<TRANSFORMER>			
T201	1-424-287-11	TRANSFORMER, DYNAMIC FOCUS	

*A-1390-255-A	NA BOARD, COMPLETE		
*4-398-771-01	CAP, LED		
<CAPACITOR>			
C601	1-124-477-11	ELECT 47MF 20% 16V	
<DIODE>			
D601	8-719-955-04	DIODE PY5504S-1	
D602	8-719-920-66	DIODE SLR-54VC12	
<IC>			
IC601	8-741-148-33	IC SBX1483-59	
<CONNECTOR>			
NA-1	*1-564-519-11	PLUG, CONNECTOR 4P	
<TRANSISTOR>			
Q601	8-729-119-78	TRANSISTOR 2SC2785-HFE	
<RESISTOR>			
R601	1-247-807-31	CARBON 100 5% 1/4W	

REF. NO.	PART NO.	DESCRIPTION	REMARK
R602	1-249-409-11	CARBON 220 5% 1/4W	
R603	1-247-807-31	CARBON 100 5% 1/4W	
R604	1-249-433-11	CARBON 22K 5% 1/4W	
R605	1-249-429-11	CARBON 10K 5% 1/4W	

*A-1390-256-A	NB BOARD, COMPLETE		

<CAPACITOR>			
C701	1-124-477-11	ELECT 47MF 20% 16V	
<IC>			
IC701	8-741-139-80	IC BX-1398	
<CONNECTOR>			
NB-1	*1-564-507-11	PLUG, CONNECTOR 4P	

*A-1390-257-A	L BOARD, COMPLETE		

<CAPACITOR>			
C301	1-101-004-00	CERAMIC 0.01MF 50V	
C304	1-124-907-11	ELECT 10MF 20% 50V	
<IC>			
IC301	8-759-233-33	IC TC74HC541AP	
IC302	8-759-044-95	IC MC14495P1	
IC303	8-759-044-95	IC MC14495P1	
IC304	8-719-901-68	DIODE GL-6R202	
<COIL>			
L301	1-459-155-00	COIL (WITH CORE) 45UH	
<CONNECTOR>			
L-301	*1-564-526-11	PLUG, CONNECTOR 11P	
L-302	1-564-517-11	PLUG, CONNECTOR 2P	
<TRANSISTOR>			
Q301	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q302	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q303	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q304	8-729-119-78	TRANSISTOR 2SC2785-HFE	
<RESISTOR>			
R301	1-249-441-11	CARBON 100K 5% 1/4W	
R302	1-249-441-11	CARBON 100K 5% 1/4W	

*A-1394-325-A	Y BOARD, COMPLETE		

REF. NO.	PART NO.	DESCRIPTION	REMARK
*1-526-950-11	SOCKET, IC 64P		
*1-563-949-11	SOCKET, SIL 8P		
<SOCKET>			
BVT800*	1-526-654-21	SOCKET, IC (DP) 16P	
BVT800*	1-526-659-00	SOCKET, IC (DP) 28P	
<CAPACITOR>			
C2	1-124-927-11	ELECT 4.7MF 20% 50V	
C3	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C4	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C5	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C6	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C7	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C8	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C9	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C10	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C11	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C12	1-163-239-11	CERAMIC CHIP 33PF 5% 50V	
C13	1-163-239-11	CERAMIC CHIP 33PF 5% 50V	
C14	1-163-036-00	CERAMIC CHIP 0.068MF 50V	
C15	1-164-344-11	CERAMIC CHIP 0.068MF 10% 25V	
C16	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C17	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C18	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C19	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C20	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C21	1-163-097-00	CERAMIC CHIP 15PF 5% 50V	
C22	1-163-099-00	CERAMIC CHIP 18PF 5% 50V	
C23	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C24	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C25	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C26	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C27	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C28	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C29	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C30	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C31	1-163-097-00	CERAMIC CHIP 15PF 5% 50V	
C32	1-163-097-00	CERAMIC CHIP 15PF 5% 50V	
C33	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C34	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C35	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C36	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C37	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C38	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C39	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C40	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C41	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C42	1-124-477-11	ELECT 47MF 20% 16V	
C43	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C45	1-163-089-00	CERAMIC CHIP 6PF 0.5PF 50V	
C46	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C47	1-124-119-00	ELECT 330MF 20% 16V	
C48	1-124-477-11	ELECT 47MF 20% 16V	
C49	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C50	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C51	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C52	1-126-103-11	ELECT 470MF 20% 16V	
C53	1-124-477-11	ELECT 47MF 20% 16V	
C54	1-126-101-11	ELECT 100MF 20% 16V	
C55	1-126-101-11	ELECT 100MF 20% 16V	
C56	1-126-101-11	ELECT 100MF 20% 16V	

REF. NO.	PART NO.	DESCRIPTION	REMARK
C57	1-163-227-11	CERAMIC CHIP 10PF 0.5PF 50V	
C58	1-163-227-11	CERAMIC CHIP 10PF 0.5PF 50V	
C59	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C60	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C61	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C62	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C63	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C64	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C65	1-163-036-00	CERAMIC CHIP 0.068MF 50V	
C67	1-124-119-00	ELECT 330MF 20% 16V	
C68	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C69	1-163-121-00	CERAMIC CHIP 150PF 5% 50V	
C70	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C71	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C72	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C73	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C74	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C75	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C76	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C77	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C78	1-124-907-11	ELECT 10MF 20% 50V	
C79	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C80	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C81	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C82	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C83	1-124-907-11	ELECT 10MF 20% 50V	
C84	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C85	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C86	1-163-133-00	CERAMIC CHIP 470PF 5% 50V	
C87	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C88	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C90	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C91	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C92	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
<DIODE>			
D2	8-719-971-20	DIODE ERC38-06	
D4	8-719-820-12	DIODE TLR224	
D5	8-719-104-34	DIODE 1S2836	
D7	8-719-400-18	DIODE MA152WK	
D8	8-719-400-18	DIODE MA152WK	
D9	8-719-104-34	DIODE 1S2836	
<IC>			
IC1	8-759-320-49	IC HD64180R1P8	
IC2	8-759-748-29	IC MBM27C512-20	
IC3	8-752-331-00	IC CXK5864BM-12L	
IC4	8-759-196-XX	IC UPD28C64ACZ-15	
IC5	8-759-032-17	IC MC74HC14AF	
IC6	8-759-239-55	IC TC74HC123AF	
IC7	8-759-008-21	IC MC74HC541F	
IC8	8-759-008-21	IC MC74HC541F	
IC9	8-759-995-97	IC MB8855-1314N	
IC10	8-759-984-56	IC MB670840PF	
IC11	8-759-984-59	IC MB654842UPF	
IC12	8-759-984-58	IC MB671469PF	
IC13	8-759-181-02	IC MB605B66	
IC14	8-752-322-10	IC CXK5814P-45L	
IC15	8-752-333-84	IC CXK3864-040M	
IC16	8-752-333-85	IC CXK3864-041M	
IC17	8-752-333-86	IC CXK3864-042M	



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

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REF. NO.	PART NO.	DESCRIPTION	REMARK
IC18	8-759-301-24	IC HD10124	
IC19	8-759-301-24	IC HD10124	
IC20	8-752-306-51	IC CX23065A	
IC21	8-759-911-24	IC SN74S124N	
IC22	8-759-100-93	IC UPC393G2	
IC23	8-759-031-50	IC MC74F00M	
IC24	8-759-008-57	IC MC34051P	
IC25	8-759-114-06	IC UPC814G2-1	
IC26	8-759-032-32	IC MC74HC132AF	
IC27	8-759-925-98	IC SN74HC107ANS	
IC28	8-759-032-01	IC MC74HC00AF	
IC29	8-759-239-55	IC TC74HC123AF	
IC30	8-759-032-29	IC MC74HC126AF	
IC31	8-759-032-17	IC MC74HC14AF	
IC32	8-759-008-21	IC MC74HC541F	
IC33	8-759-979-65	IC RH5VA43AA	
IC34	8-759-032-41	IC MC74HC157AF	
IC35	8-759-925-54	IC LM2940CT-5.0	
<COIL>			
L1	1-459-155-00	COIL (WITH CORE) 45UH	
L2	1-459-155-00	COIL (WITH CORE) 45UH	
L3	1-459-155-00	COIL (WITH CORE) 45UH	
L4	1-459-155-00	COIL (WITH CORE) 45UH	
<IC LINK>			
PS1	▲ 1-532-679-91	LINK, IC 0.6A	
PS2	▲ 1-532-679-91	LINK, IC 0.6A	
<TRANSISTOR>			
Q3	8-729-216-22	TRANSISTOR 2SA1162-G	
Q4	8-729-216-22	TRANSISTOR 2SA1162-G	
Q5	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q7	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q9	8-729-216-22	TRANSISTOR 2SA1162-G	
<RESISTOR>			
R1	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R2	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R3	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R4	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R5	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R6	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R7	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R8	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R9	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R10	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R11	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R12	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R13	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R14	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R15	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R16	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R17	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R18	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R19	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R20	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R21	1-216-025-00	METAL GLAZE 100 5% 1/10W	

REF. NO.	PART NO.	DESCRIPTION	REMARK
R22	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R23	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R24	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R25	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R26	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R27	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R28	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R29	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R30	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R31	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R32	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R33	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R34	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R36	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R37	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R38	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R39	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R40	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R41	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R42	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R43	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R44	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R45	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R46	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R47	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R48	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R49	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R50	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R51	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R52	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R53	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R54	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R55	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R56	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R57	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R58	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R59	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R62	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R63	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
R64	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
R65	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R66	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R67	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R68	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R69	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R70	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R71	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R72	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R73	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R74	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R75	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R76	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R77	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R78	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R79	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R80	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R81	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R82	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R83	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R84	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R85	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R86	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R87	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R88	1-216-045-00	METAL GLAZE 680 5% 1/10W	

REF. NO.	PART NO.	DESCRIPTION	REMARK
R89	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R90	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R91	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R92	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R93	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R100	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R101	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R102	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R103	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R104	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R105	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R106	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R107	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R108	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R109	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
R110	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R111	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
R112	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
R113	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R114	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R115	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R116	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R117	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R118	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R119	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R120	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R121	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R122	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R123	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R124	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R125	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R126	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R127	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R128	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R129	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R130	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R131	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R132	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R133	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R134	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R135	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R136	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R137	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R138	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R139	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R140	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R141	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R142	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R143	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R146	1-216-075-11	METAL CHIP 10K 0.50% 1/10W	
R147	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R148	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R149	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R150	1-216-105-00	METAL GLAZE 220K 5% 1/10W	
R151	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R152	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R153	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R154	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R155	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R156	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R157	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R158	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R159	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R160	1-216-049-00	METAL GLAZE 1K 5% 1/10W	

REF. NO.	PART NO.	DESCRIPTION	REMARK
R162	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R163	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R164	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R165	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R166	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R167	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R168	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R169	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R170	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R171	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R172	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R173	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R174	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
R175	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R176	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R177	1-216-129-00	METAL GLAZE 2.2M 5% 1/10W	
R178	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R179	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R181	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R182	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R183	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R184	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	
R185	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R187	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R189	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R190	1-216-295-00	METAL GLAZE 0 5% 1/10W	
<SWITCH>			
SW1	1-570-598-11	SWITCH, DIP	
SW2	1-570-204-21	SWITCH, KEY BOARD	
<CRYSTAL>			
X1	1-578-687-11	VIBRATOR, CRYSTAL	
X2	1-577-116-21	VIBRATOR, CRYSTAL	
X3	1-567-192-11	OSCILLATOR, CERAMIC	
X4	1-577-353-11	VIBRATOR, CERAMIC	

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REF. NO.	PART NO.	DESCRIPTION	REMARK
	1-698-057-11	FAN, DC	
	△ 1-900-086-01	LEAD ASSY, HIGH-VOLTAGE	
	1-941-648-22	CONNECTOR ASSY, MICRO 2P	
V901	△ 8-736-241-05	PICTURE TUBE 07MSP(G)	
V902	△ 8-736-242-05	PICTURE TUBE 07MSP(B)	
V903	△ 8-736-243-05	PICTURE TUBE 07MSP(R)	

ACCESSORIES AND PACKING MATERIALS

*A-1280-414-A	RC BOARD, COMPLETE
X-4029-240-1	BAG ASSY, WASHER (T0.5)
X-4029-241-1	BAG ASSY, WASHER (T1.0)
*X-4029-335-1	PLATE ASSY, BOTTOM
X-4395-576-1	BAG ASSY, WASHER (T0.4)
X-4395-577-1	BAG ASSY, WASHER (T1.2)
X-4395-578-1	SPACER (0) ASSY, LENS
X-4395-579-1	SPACER (2) ASSY, LENS
1-575-100-11	CABLE, MINIATURE PLUG
△ 1-559-303-11	CODE, POWER(7.0A/250V) (VPH-1272QM ONLY)
△ 1-559-303-21	CODE, POWER(10.0A/125V) (VPH-1272Q ONLY)
2-357-277-01	PANEL, FRONT
3-562-223-00	TERMINAL BOARD, POSITIVE
3-703-372-28	CARD, WARRANTY (VPH-1272Q ONLY)
*3-704-333-01	SHEET (STANDARD), PROTECTION
3-758-106-21	MANUAL, INSTRUCTION
3-758-106-31	MANUAL, INSTRUCTION
3-758-106-41	MANUAL, INSTRUCTION (VPH-1272QM ONLY)
3-758-107-21	MANUAL, INSTRUCTION
3-758-107-41	MANUAL, INSTRUCTION (VPH-1272QM ONLY)
*4-030-571-01	CUSHION (LOWER) (ASSY)
*4-030-572-01	PALLET, WOODEN
*4-030-574-01	TRAY
4-032-658-01	KEY TOP
4-032-660-01	SHEET, RUBBER
4-374-469-01	FOOT, RUBBER
4-395-501-01	KEY TOP
4-395-502-01	LID (A)
4-395-503-31	LID (B)
4-395-504-01	COVER, BATTERY
4-395-508-01	CASE, LOWER
*4-395-562-01	SPACER (200S), PICTURE TUBE
*4-395-563-01	SPACER (200U), PICTURE TUBE
*4-395-564-01	SPACER (72U), PICTURE TUBE
*4-395-565-01	SPACER (72S), PICTURE TUBE
*4-396-287-01	SPACER
*4-396-288-01	BOX, ACCESSORY
*4-388-954-01	BAG, PROTECTION
*4-395-515-01	CUSHION (UPPER) (ASSY)
*4-396-077-01	JOINT
*4-396-286-01	SUPPORT
*4-396-915-01	HOLDER