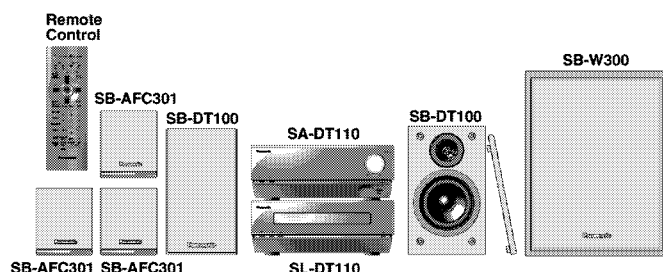


Service Manual

AV Control Receiver



SA-DT110E SA-DT110EB SA-DT110EG

Colour

(S).....Silver Type

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

System	SC-DT110
DVD/CD player	SL-DT110
AV control receiver	SA-DT110
Front speakers*	SB-DT100
Center speaker*	SB-AFC301
Surround speakers*	SB-AFC301
Subwoofer*	SB-W300

* : Made in Singapore.

Specifications

Amplifier section

Power output (For SA-DT110EB: measured at 240 V position):

RMS power output (THD 10 %, 6 Ω);	
FRONT (1 kHz both channels driven)	2 x 35 W
SURROUND (1 kHz both channels driven)	2 x 35 W
CENTER (1 kHz)	40 W
SUBWOOFER (100 Hz)	40 W

DIN power output (THD 1.0 %, 6 Ω);	
FRONT (1 kHz both channels driven)	2 x 28 W
SURROUND (1 kHz both channels driven)	2 x 27 W
CENTER (1 kHz)	35 W
SUBWOOFER (100 Hz)	35 W

Load impedance: 6 Ω

Pre amplifier section

Input terminal: VCR (EXT), TV (AUX)
Output terminal: VCR (EXT)

FM tuner section

Frequency range: 87.50 – 108.00 MHz (50 kHz steps)
Antenna terminal(s): 75 Ω (unbalanced)

AM tuner section

Frequency range: 522 – 1629 kHz (9 kHz steps)

Timer section

Sleep timer: 30/60/90 minutes
Wakeup timer: 5/7/9 hours

Headphone

Jack type: 3.5 mm STEREO
Load impedance: 16 - 32 Ω

General

Power supply:
SA-DT110E, SA-DT110EG; AC 230 V, 50 Hz
SA-DT110EB; AC 230 – 240 V, 50 Hz
Power consumption: 80 W
Standby condition: 0.7 W
Dimensions (WxHxD): 190x73x360 mm
Mass: 4.0 kg

Notes: Specifications are subject to change without notice.

Mass and dimensions are approximate.

Total harmonic distortion is measured by the digital spectrum analyzer.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

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1 Before Repairs

1. Turn off the power supply. Using a 10 Ω , 10 W resistor, connect both ends of power supply capacitors (C730, C750) in order to discharge the voltage.
2. Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50 Hz in NO SIGNAL (VOL: except for infinity, SELECT: DVD) mode should be shown below with respect to supply voltage 230/240 V.

Power supply voltage	AC 230 V	AC 240 V
Consumed current 50 Hz	80 - 270 mA	75 - 265 mA

2 Protection Circuitry

The protection circuitry may have operated if either of the following conditions is noticed:

- No sound is heard when the power is switched ON.
- Sound stops during a performance.

The functions of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are shorted, or if speaker systems with an impedance less than the indicated rated impedance of this unit are used.

If this occurs, follow the procedures outlined below.

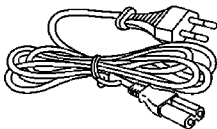
1. Switch OFF the power.
2. Determine the cause of the problem and correct it.
3. Switch ON the power once again.

Note:

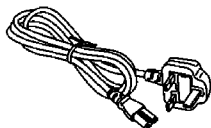
When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON again.

3 Accessories

- AC mains lead for SA-DT110E, SA-DT110EG (RJA0019-2X).....1 pc.



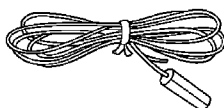
- AC mains lead for SA-DT110EB (RJA0053-3X).....1 pc.



- AM loop antenna (REK0063).....1 pc.



- FM indoor antenna (N1EAYY000002).....1 pc.



- Video cable (VJA0815-A).....1 pc.

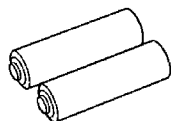


- Remote control (N2QAJB000078).....1 pc.



- Batteries for remote control (R6/LR6, "AA", UM-3).....2 pcs.

Note: These are available on sales route.



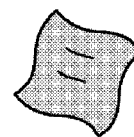
- Antenna plug adaptor for SA-DT110EB only (SJP9009).....1 pc.



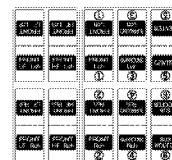
- RCAJ adaptor (K1JZ24D00002).....1 pc.



- Cleaning cloth for main unit (RFE0088-1).....1 pc.



- Sheet of speaker-cord stickers (RQCA0950).....1 pc.



4 Caution for AC Mains Lead

(For United Kingdom)

("EB" area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral, Brown: Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL  OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

Remove the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

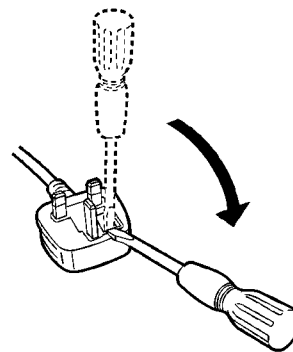
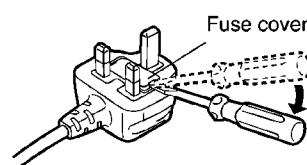


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

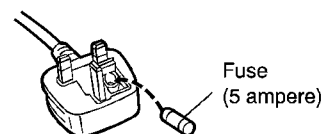
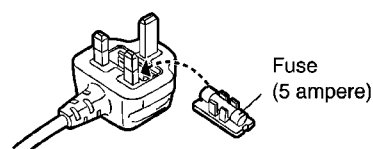
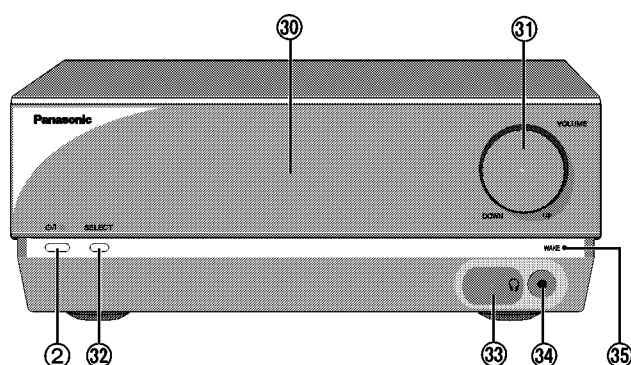
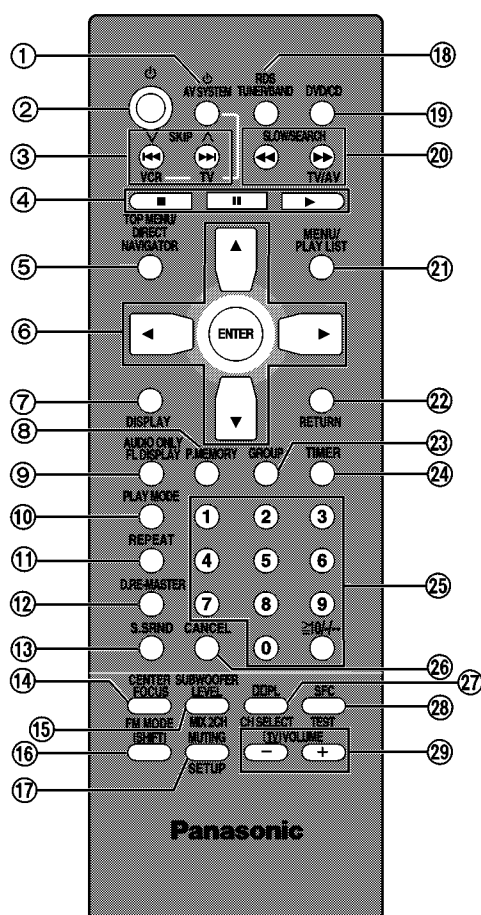


Figure B



5 Location of Controls



Remote control

- ① AV system standby/on button [ϕ , AV SYSTEM]
- ② Standby/on button [ϕ]
- ③ Skip, Channel select, VCR, TV buttons
[$\ll$, $\gg$, $\vee$ SKIP $\wedge$, VCR, TV]
- ④ Basic operation buttons
- ⑤ Top menu, Direct navigator button
[TOP MENU/DIRECT NAVIGATOR]
- ⑥ Cursor buttons [$\blacktriangle$, $\blacktriangledown$, $\blacktriangleleft$, $\blacktriangleright$], Enter button [ENTER]
- ⑦ Display button [DISPLAY]
- ⑧ Position memory button [P.MEMORY]
- ⑨ FL display, Audio only button
[FL DISPLAY, AUDIO ONLY]
- ⑩ Play mode button [PLAY MODE]
- ⑪ Repeat button [REPEAT]
- ⑫ Double re-master button [D.RE-MASTER]
- ⑬ Super surround button [S.SRND]
- ⑭ Center focus, FM mode button
[CENTER FOCUS, FM MODE]
- ⑮ Subwoofer level, Mix 2ch button
[SUBWOOFER LEVEL, MIX 2CH]
- ⑯ Shift button [SHIFT]

To use functions labeled in orange:
While pressing [SHIFT], press the corresponding button.

- ⑰ Muting, Setup button [MUTING, SETUP]
- ⑱ Tuner/Band, RDS button [TUNER/BAND, RDS]
- ⑲ DVD/CD button [DVD/CD]
- ⑳ Slow/Search, TV/AV buttons
[$\ll$, $\gg$ SLOW/SEARCH, TV/AV]
- ㉑ Menu, Play list button [MENU/PLAY LIST]
- ㉒ Return button [RETURN]
- ㉓ Group button [GROUP]
- ㉔ Timer button [TIMER]
- ㉕ Numbered buttons [1–9, 0, ≥ 10 /--]
- ㉖ Cancel button [CANCEL]
- ㉗ Dolby Pro Logic, Speaker channel select button
[DOLBY, CH SELECT]
- ㉘ Sound field control, Test button [SFC, TEST]
- ㉙ Volume, TV Volume buttons [$\times$, $-$, TV VOLUME]

AV control receiver

- ② Standby/on switch [ϕ /I]
Press to switch the unit from on to standby mode or vice versa.
In standby mode, the unit is still consuming a small amount of power.
- Standby/on indicator**
When the unit is connected to the AC mains supply, this indicator lights red in standby mode and lights green when the unit is turned on.
- ③⑩ Display
- ③⑪ Volume control [VOLUME, DOWN, UP]
- ③⑫ Source select button [SELECT]
DVD $\rightarrow$ TV <AUX> $\rightarrow$ VCR <EXT> $\rightarrow$ FM $\rightarrow$ AM
- ③⑬ Remote control signal sensor
- ③⑭ Headphone jack [ϕ]
- ③⑮ Wake timer indicator [WAKE]

6 Self-Diagnostic Function

This unit is equipped with a self-diagnostic function which, in the event of a malfunction, automatically displays a code indicating the nature of the malfunction.

Use this self-diagnostic function when servicing the unit.

6.1. To display the malfunction code

- U70 DVD:** Automatically displays on the AV control receiver when a malfunction occurs. Refer to Fig. 6-1.
- F61:** Automatically displays on the AV control receiver when a malfunction occurs. Refer to Fig. 6-1.

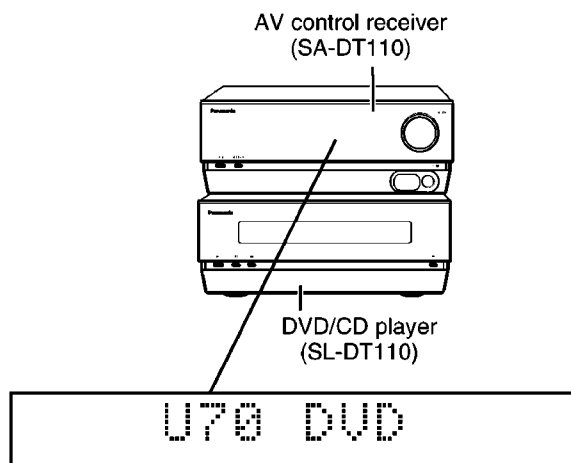


Fig. 6-1.

6.2. To redisplay the malfunction code

1. For U70 DVD

- Press some operation buttons on the AV control receiver.
- To redisplay the code, switch the power off (Standby/on button), and then switch power back on again.

2. For F61

- If F61 is displayed, the power will automatically be switched off and the standby indicator will light up.
- F61 will be displayed for 3 seconds, and then the clock will be displayed.
- To redisplay the code, switch the power on. F61 will be re-displayed, and then after 3 seconds the clock will be displayed and the power will automatically switch off.

6.3. Display contents

6.3.1. U70 DVD

• Problem or condition

A bus-line communications error has occurred as a result of flat cable being inserted incorrectly, thus preventing the system from operating.

- If U70 is displayed on the AV control receiver, DVD/CD player cannot be operated by remote control.

• Correction Procedure

1. To check for correct insertion of flat cable.
 - Insert connector until you hear a click.
 - Make sure the white side of the cable is on your right side. Refer to Fig. 6-2.

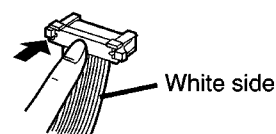


Fig. 6-2.

2. Breakage of flat cable. (Check and replace.)
3. If the problem is not corrected by items 1 and 2 above, this indicates a faulty IC.

SA-DT110:

IC941 (C2CBHG000118)

SL-DT110:

IC402 (C2BBFD000394)

Check these ICs and replace.

6.3.2. F61

• Problem or condition

When the Standby/on switch is switched on, it automatically switches back off, making it impossible to switch power on.

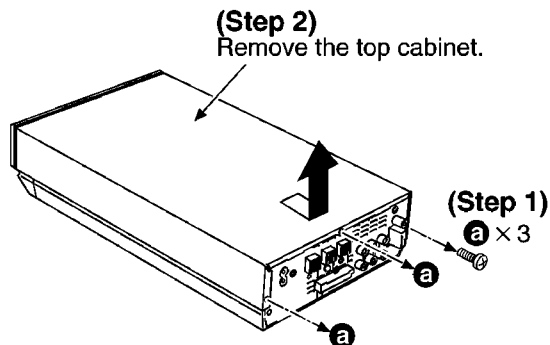
• Correction procedure

Faulty AV control receiver (SA-DT110) power supply line or when a DC voltage is applied to speaker terminals. (Check and replace.)

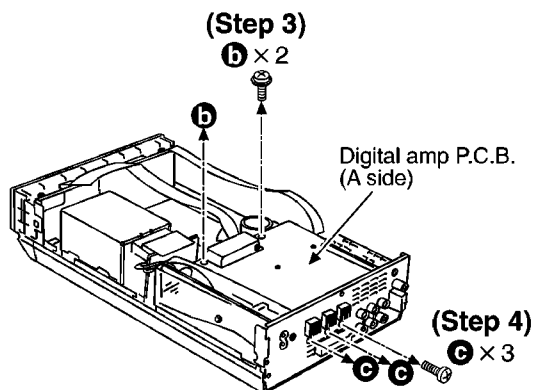
7 Operation Checks and Component Replacement Procedures

- This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
- For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.

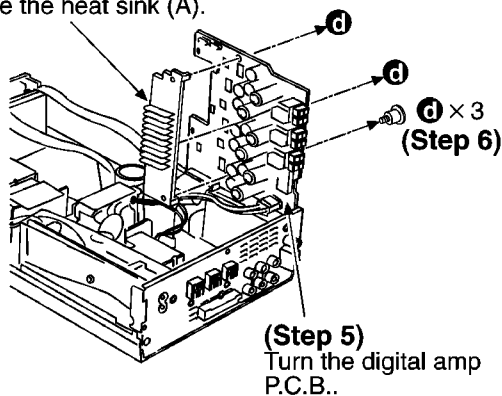
7.1. Checking for the digital amp P.C.B.



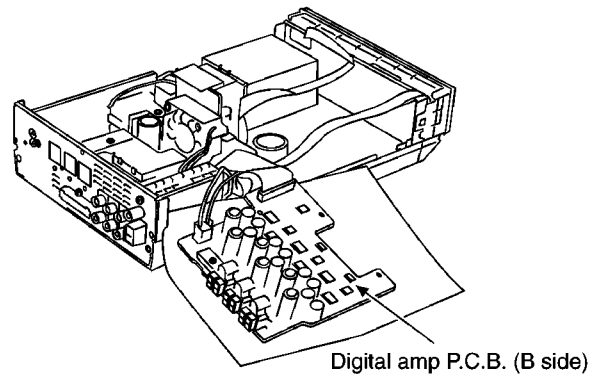
- Check the digital amp P.C.B. (A side) as shown below.



- (Step 7)
Remove the heat sink (A).

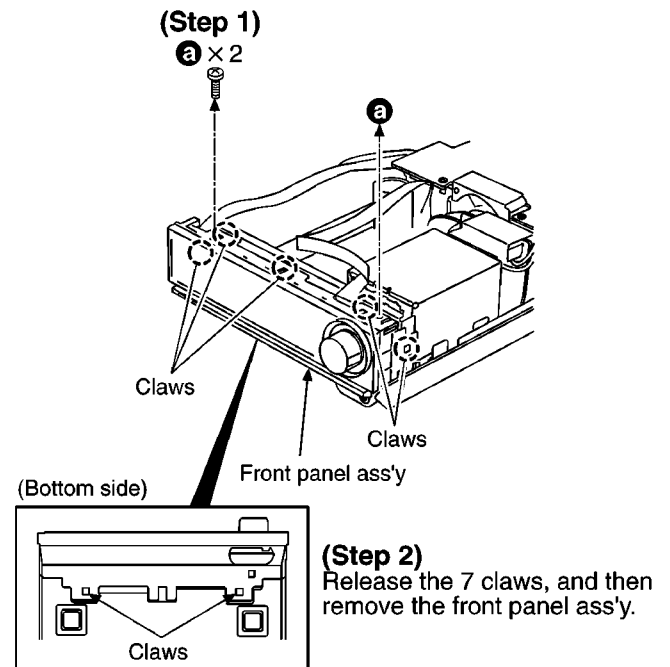


- Check the digital amp P.C.B. (B side) as shown below.

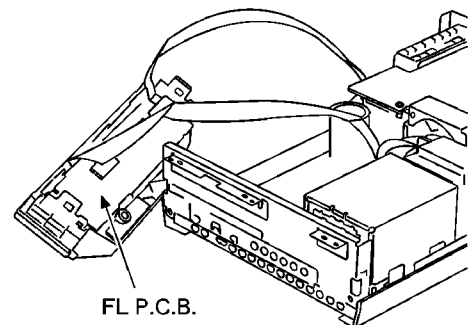


7.2. Checking for the FL P.C.B.

- Follow the (Step 1), (Step 2) of item 7.1.



- Check the FL P.C.B. as shown below.

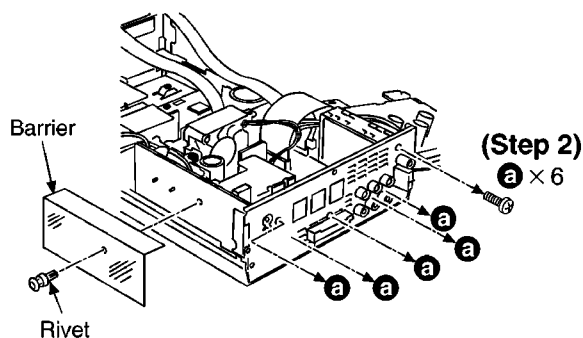


7.3. Checking for the main P.C.B.

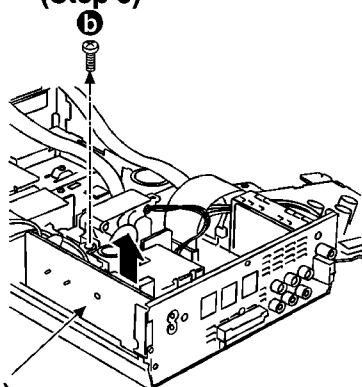
- Follow the (Step 1) - (Step 7) of item 7.1.

(Step 1)

Remove the rivet, and then remove the barrier.



(Step 3)

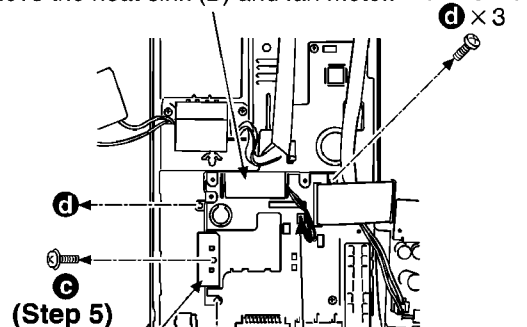


(Step 4)

Remove the power supply P.C.B..

(Step 9)

Remove the heat sink (B) and fan motor.

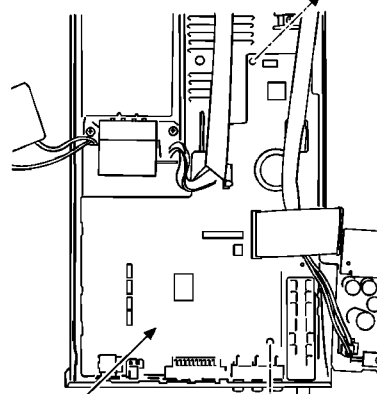


Remove the support angle.

Remove the connector.

(Step 10)

e × 2



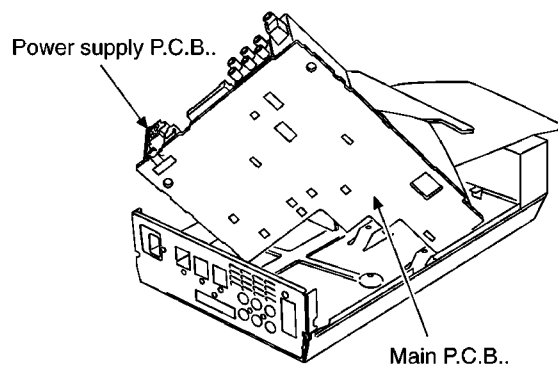
(Step 11)

Remove the main P.C.B..

- Check the main P.C.B. as shown below.

(Step 12)

Install the power supply P.C.B. to main P.C.B..

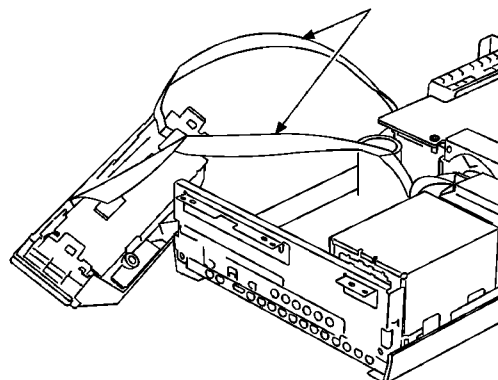


7.4. Replacement for the FL P.C.B. and headphone P.C.B.

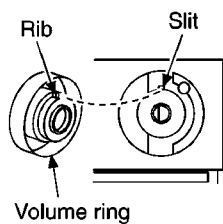
- Follow the (Step 1) , (Step 2) of item 7.1.
- Follow the (Step 1) , (Step 2) of item 7.2.

(Step 1)

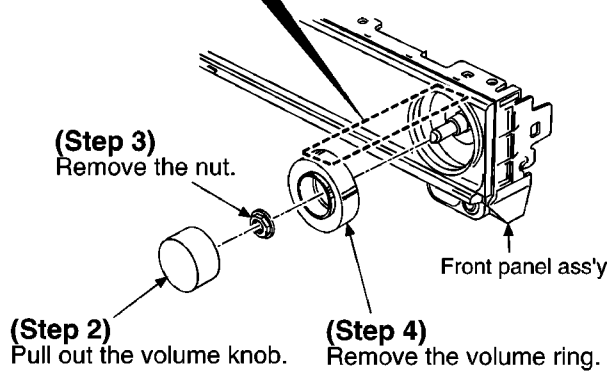
Pull out the FFC.



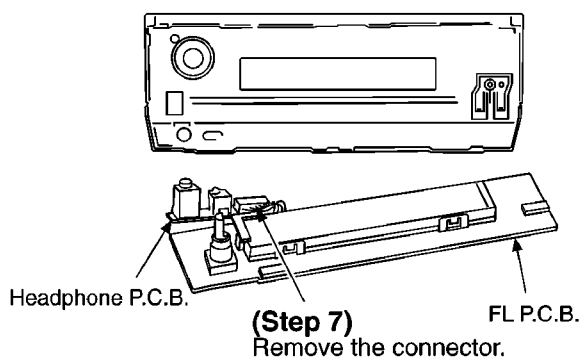
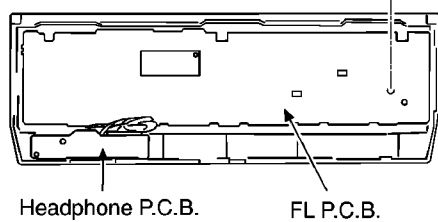
■ Notice for installation of volume ring



- Make sure the rib of volume ring are fit in the slit of front panel ass'y.

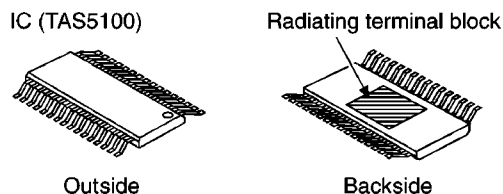


- (Step 5)**
Remove the FL P.C.B. and headphone P.C.B..

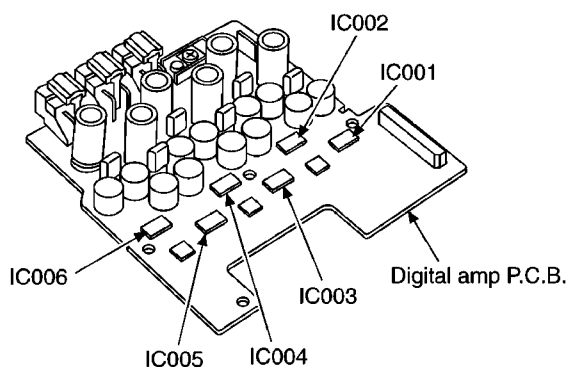


8 How to replace IC (TAS5100) with reading terminal block

- IC (TAS5100) used in the digital amp P.C.B. has a radiating plate on its backside (the side in contact with the P.C.B.), the radiating terminal block having been soldered to the pattern part of the P.C.B..
For the replacement of the IC, the following instructions should be observed.

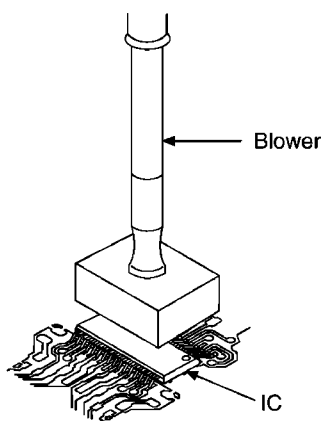


- IC001 - IC006 shown in the drawing below are ICs each equipped with a radiating terminal block.

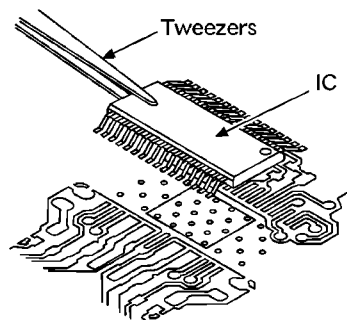


[Disassembly]

1. Use a blower and heat the IC (about 20 seconds).

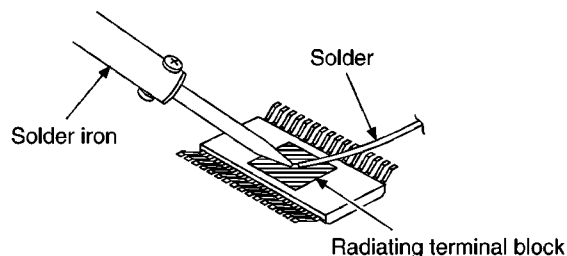


2. In about the 20 seconds, the legs of the IC begin fusing. Then remove the IC by use of a pair of tweezers.

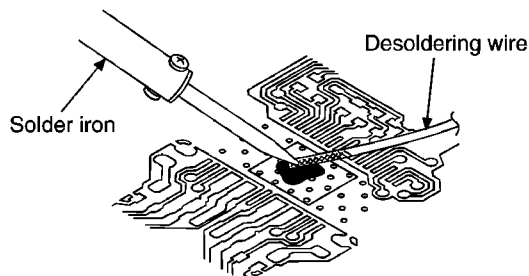


[Reassembly]

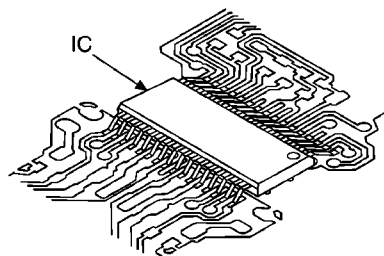
1. Put solder-paste thinly and evenly over the radiating plate on the bottom of a new IC for replacement.



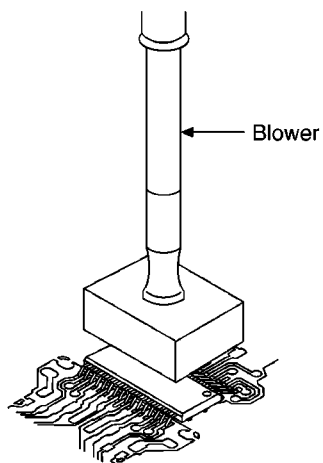
2. Clean out the former solder that has been sticking to the pattern part on the base plate.



3. Place the IC on the pattern part of the base plate.
(Make the IC legs and pattern part meet completely.)
4. Solder the IC legs first.



5. Use the blower and heat the IC (about 20 seconds).



9 To Supply Power Source

This unit is designed to operate on power supplied from system connected.
When a component requires service, use the system connections to supply power source.
For system connections, refer to Fig. 9-1.

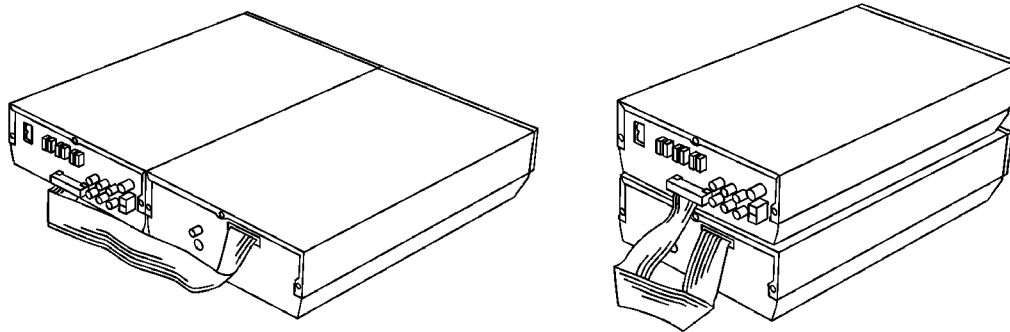


Fig. 9-1.

10 Schematic Diagram Notes

- This schematic diagram may be modified at any time with the development of new technology.

Notes:

- S901:** Standby/on switch (ϕ/I)
S902: Source select switch (SELECT)
VR901: Volume control VR (VOLUME)

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

No mark : Power ON (FM or AM)

- Important safety notice:

Components identified by $\triangle$ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

- The supply part number is described alone in the replacement parts list.
- Voltage and signal line

- | | |
|--|----------------------------|
| | : Positive voltage line |
| | : Negative voltage line |
| | : Audio signal line |
| | : Surround sp. signal line |
| | : Center sp. signal line |
| | : Sub woofer signal line |
| | : Tuner signal line |

Caution!

IC and LSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during

repair.

Cover the parts boxes made of plastics with aluminum foil.

Ground the soldering iron.

Put a conductive mat on the work table.

Do not touch the legs of IC or LSI with the fingers directly.

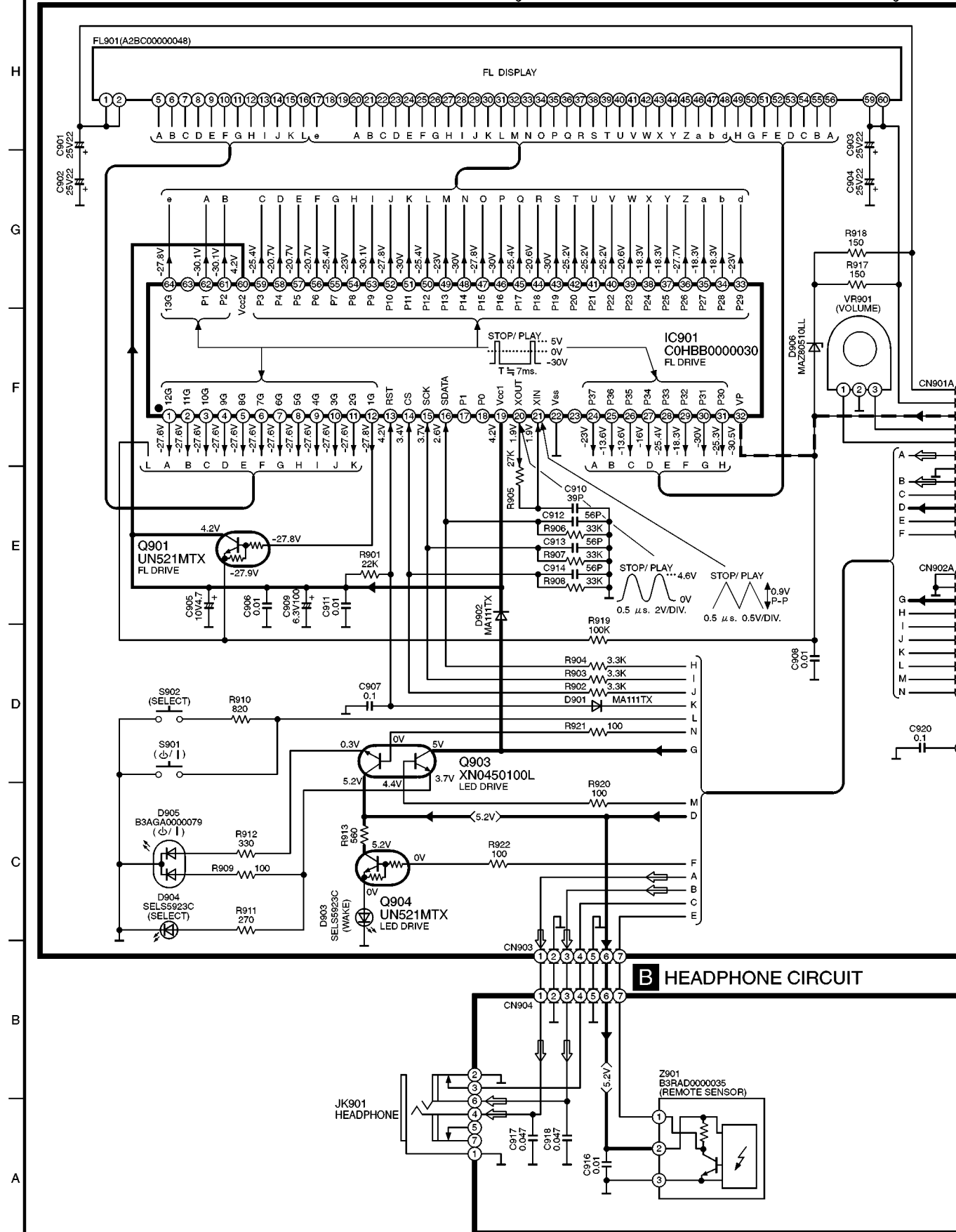
11 Schematic Diagram

SCHEMATIC DIAGRAM-1

A FL CIRCUIT

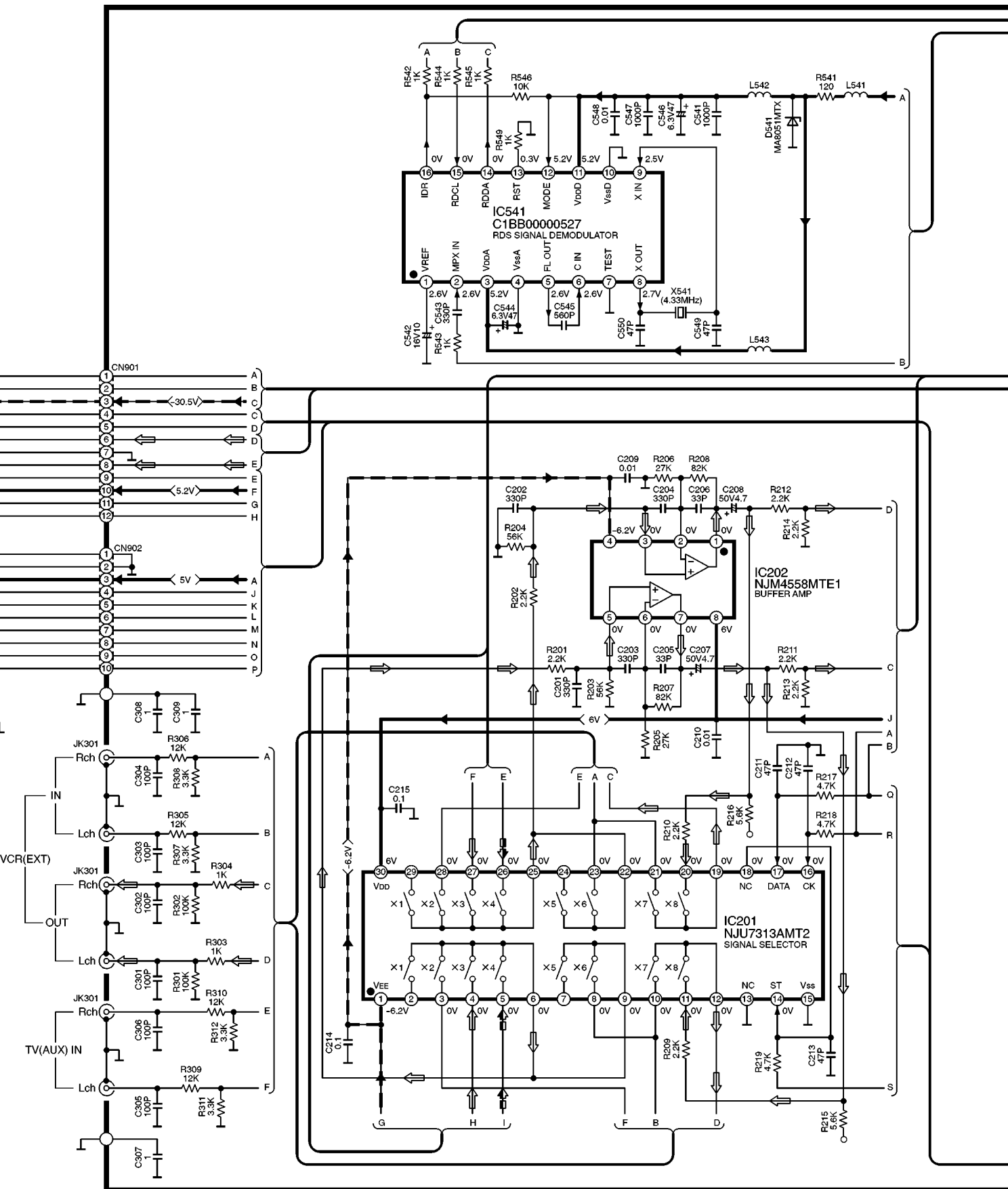
NOTE:

The number which noted at the connectors on the schematic diagram as "SCHEMATIC DIAGRAM-1" or "SCHEMATIC DIAGRAM-2" indicates the schematic diagram serial number located on the left corner in the schematic diagram.



C MAIN CIRCUIT

- - - : NEGATIVE VOLTAGE LINE
 ——— : POSITIVE VOLTAGE LINE
 ⇨ : AUDIO SIGNAL LINE
 ⇨ : TUNER SIGNAL LINE



SA-DT110(E,EB,EG) FL,HEADPHONE,MAIN CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-2

MAIN CIRCUIT

---:NEGATIVE VOLTAGE LINE
---:POSITIVE VOLTAGE LINE

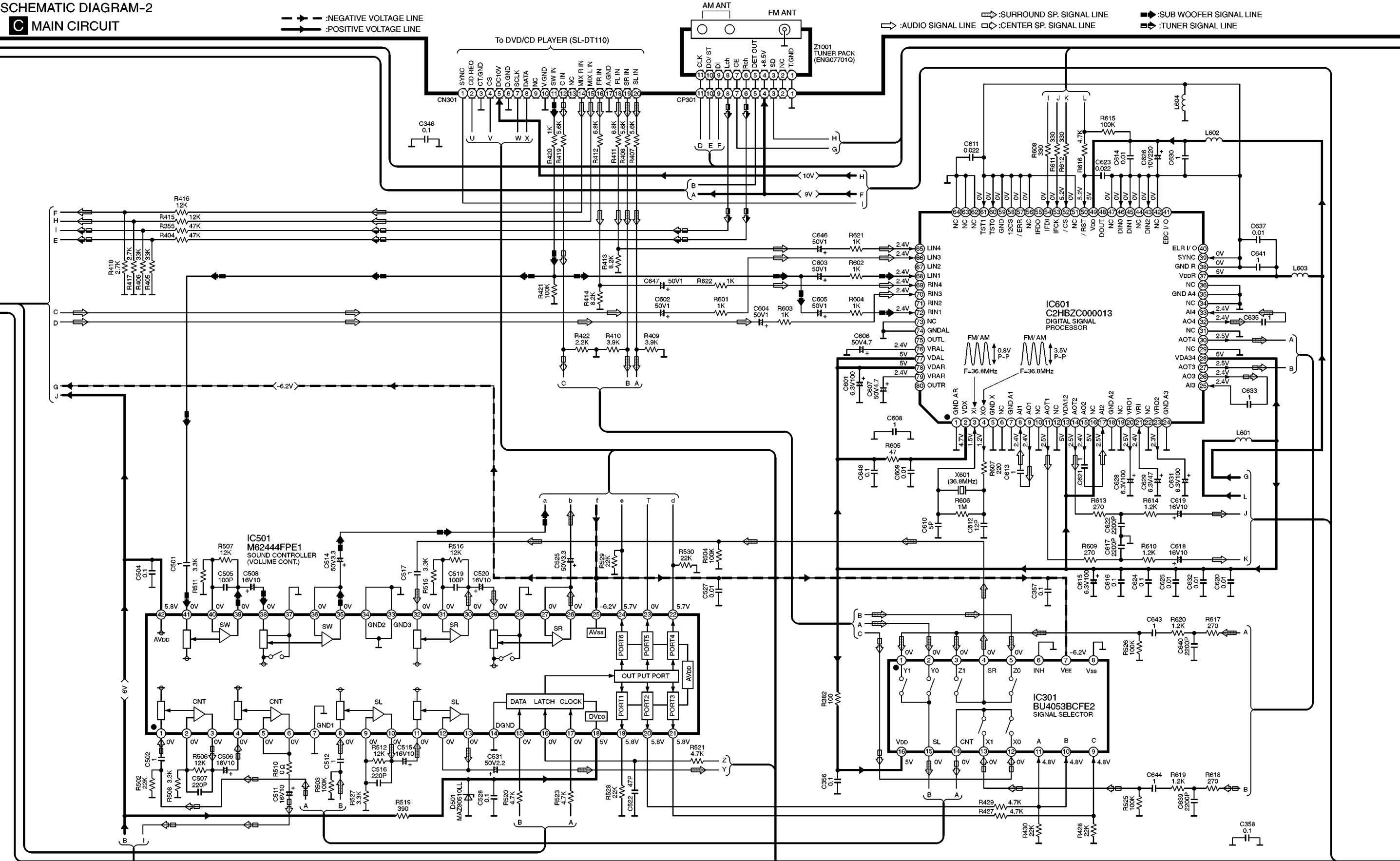
---:SURROUND SP. SIGNAL LINE

---:SUB WOOFER SIGNAL LINE

---:AUDIO SIGNAL LINE

---:CENTER SP. SIGNAL LINE

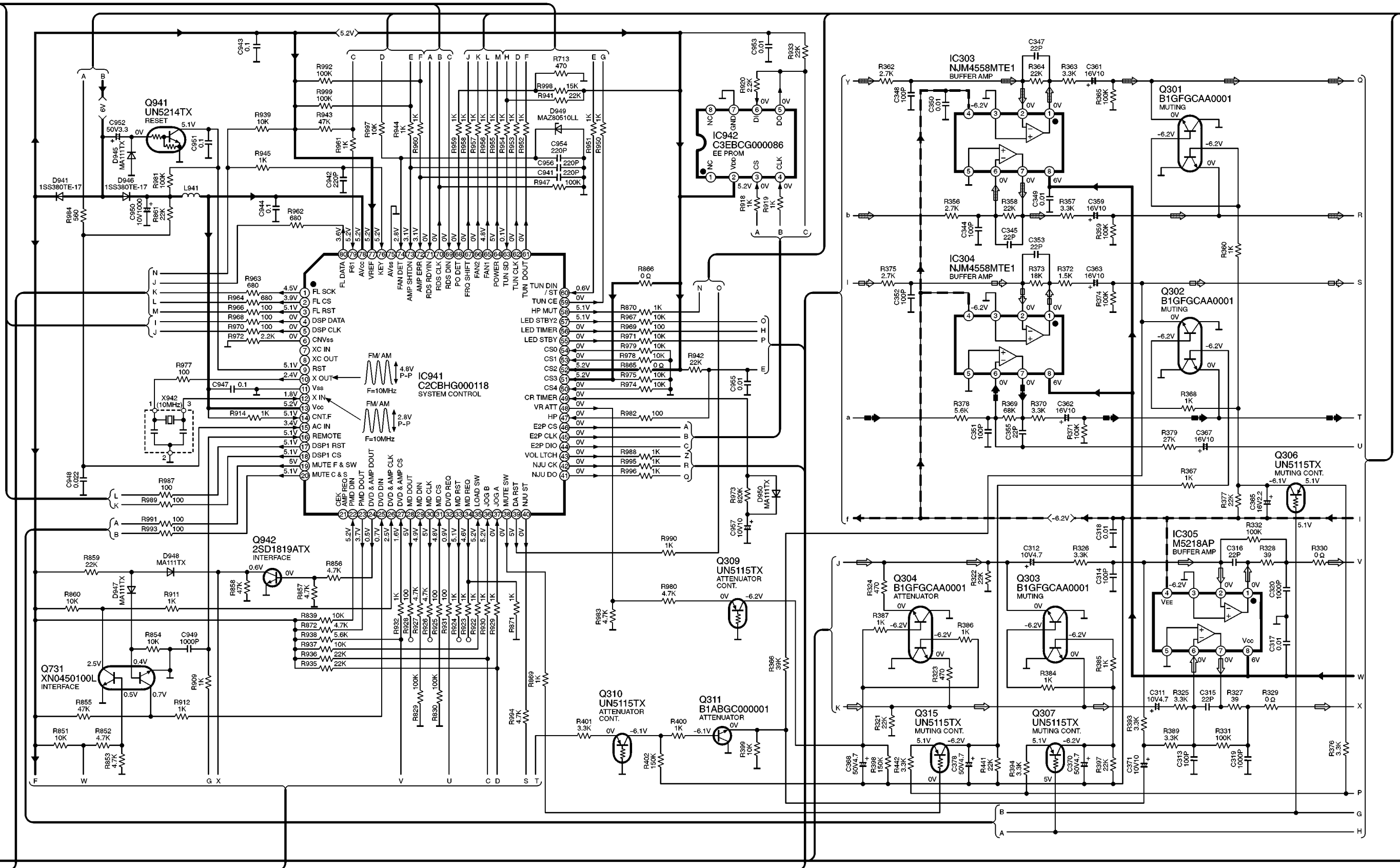
---:TUNER SIGNAL LINE



SCHEMATIC DIAGRAM-3

C MAIN CIRCUIT

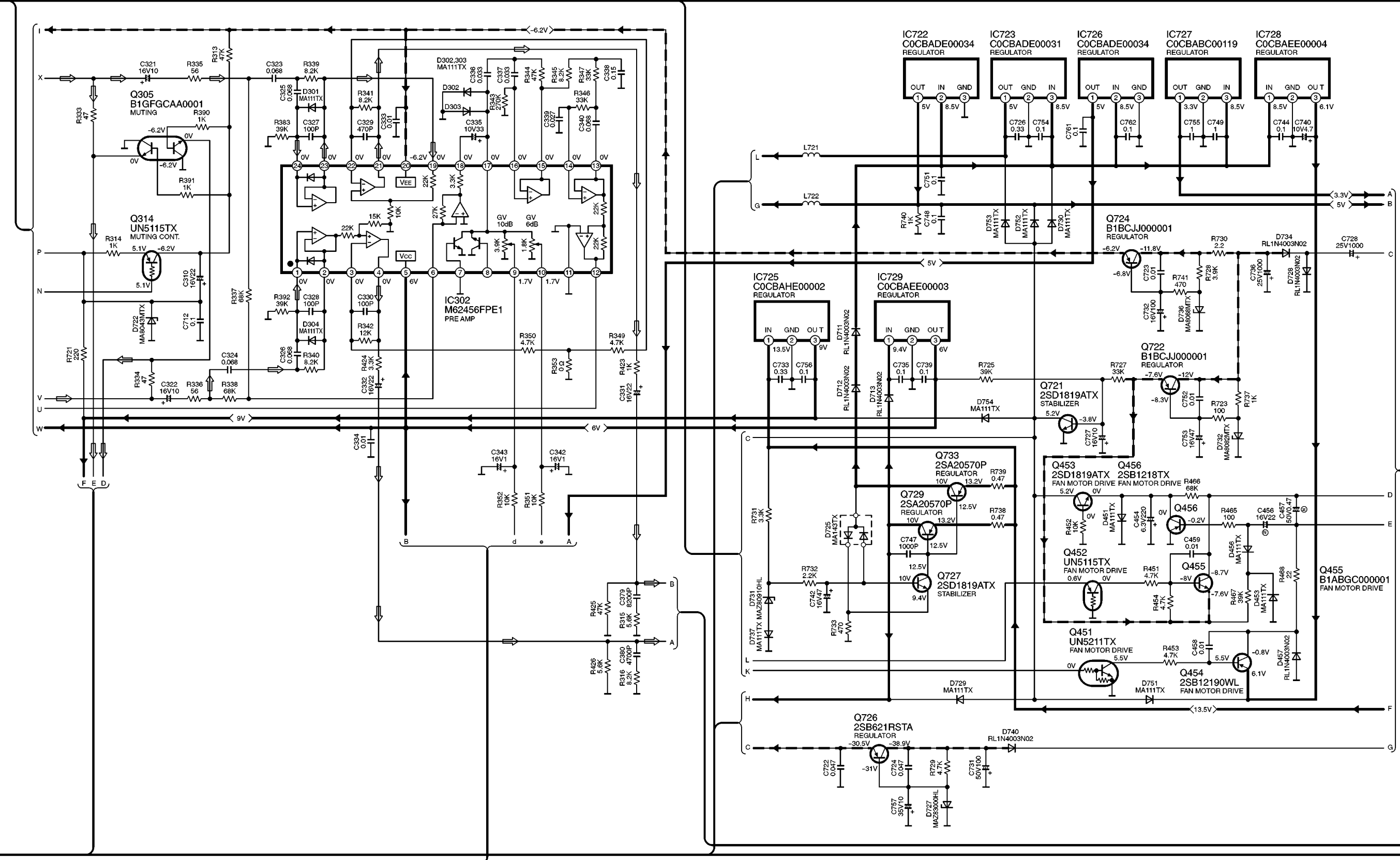
——— : POSITIVE VOLTAGE LINE - - - : NEGATIVE VOLTAGE LINE ⇨ : AUDIO SIGNAL LINE ⇨ : SURROUND SP. SIGNAL LINE ⇨ : CENTER SP. SIGNAL LINE ⇨ : SUB WOOFER SIGNAL LINE



SCHEMATIC DIAGRAM-4

C MAIN CIRCUIT

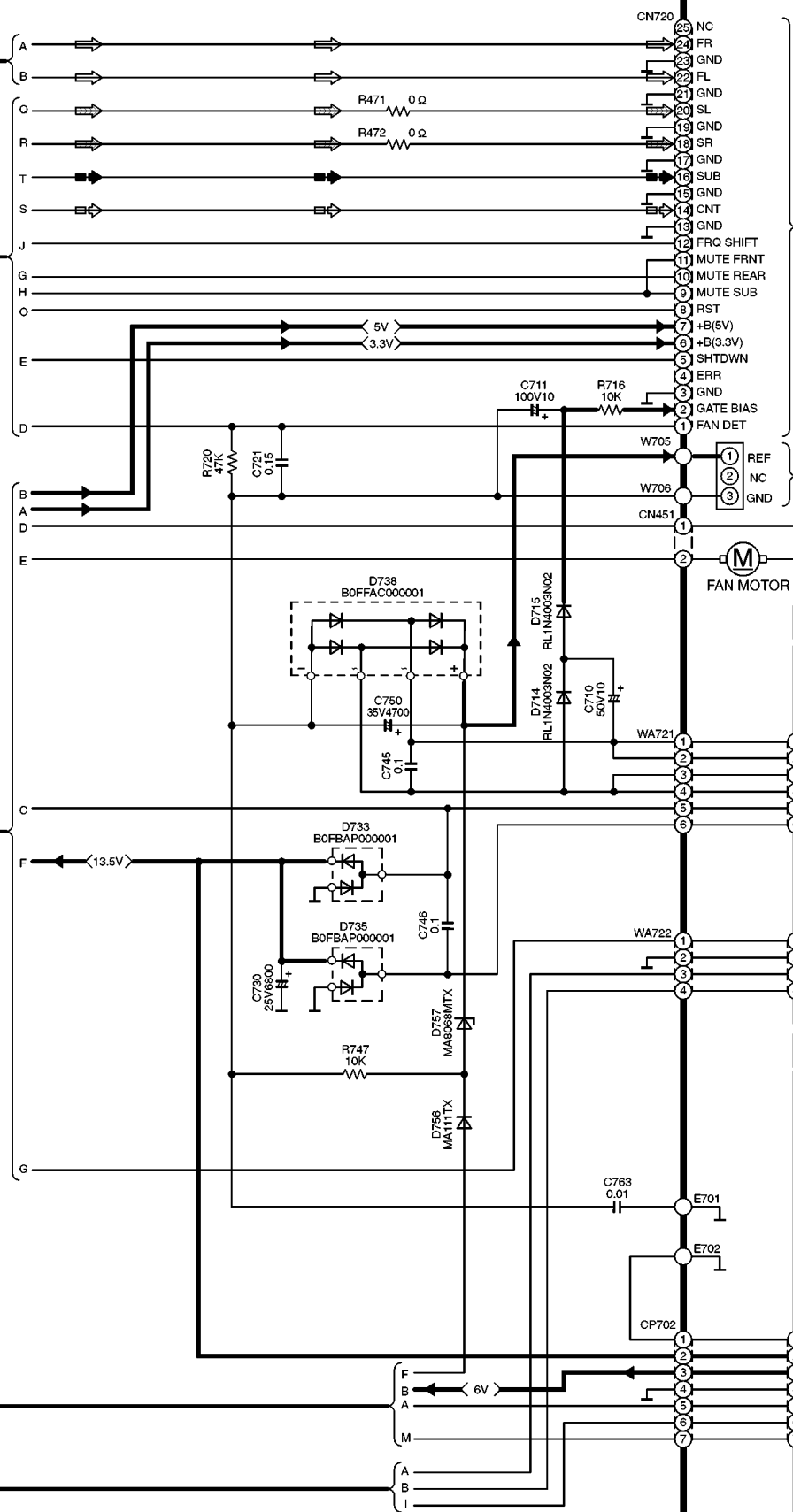
→ : POSITIVE VOLTAGE LINE → : NEGATIVE VOLTAGE LINE ⇨ : AUDIO SIGNAL LINE



SCHEMATIC DIAGRAM-5

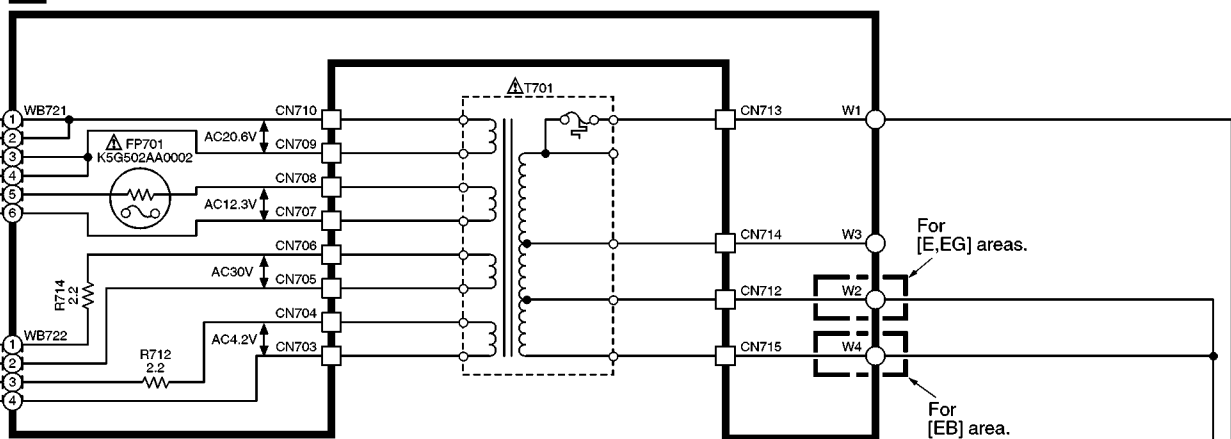
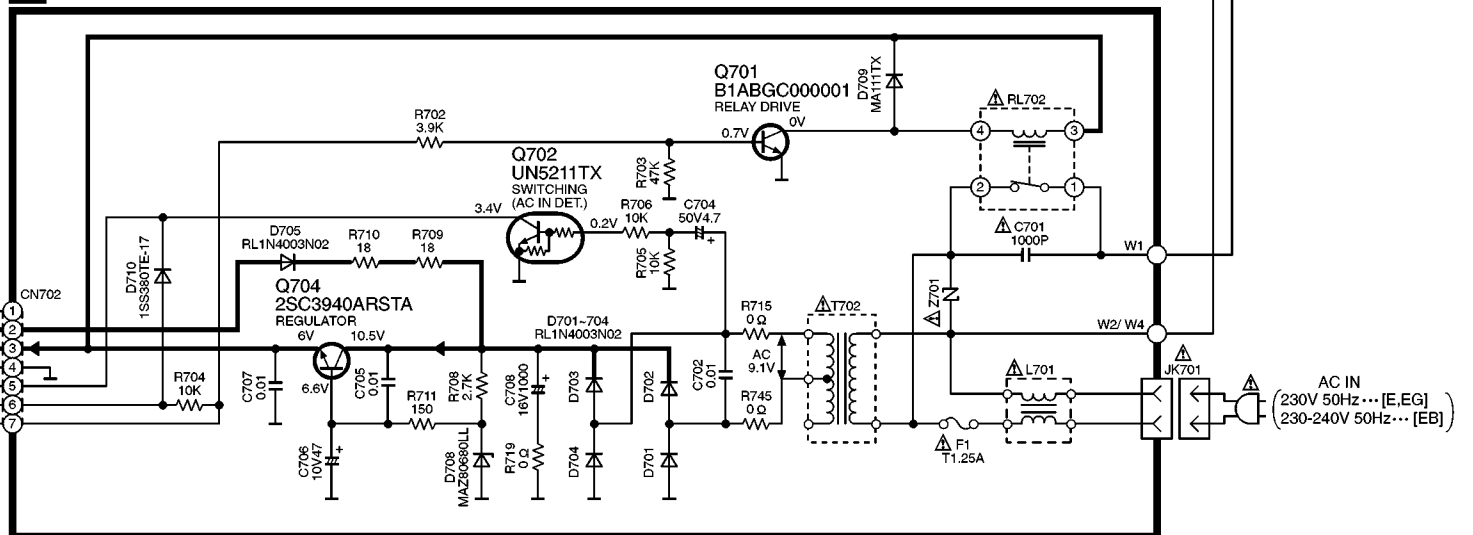
C MAIN CIRCUIT

——— : POSITIVE VOLTAGE LINE ——— : AUDIO SIGNAL LINE □ : CENTER SP. SIGNAL LINE
 - - - : NEGATIVE VOLTAGE LINE ——— : SURROUND SP. SIGNAL LINE ■ : SUB WOOFER SIGNAL LINE



To **D** DIGITAL AMP CIRCUIT(CN102)
on SCHEMATIC DIAGRAM-6/2-A-C

To **D** DIGITAL AMP CIRCUIT(CN101)
on SCHEMATIC DIAGRAM-6/2-D

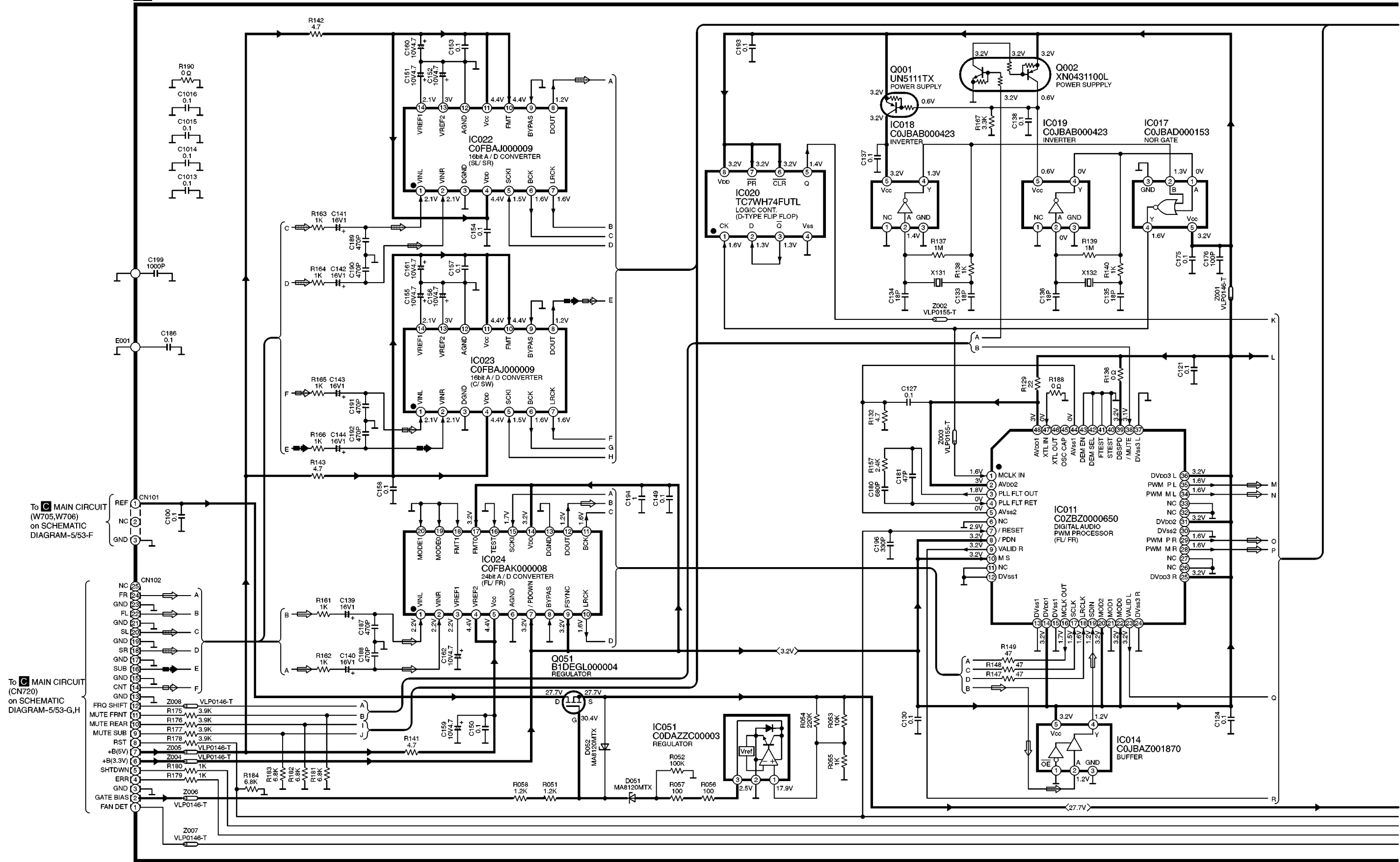
E POWER TORANSFORMER CIRCUIT**F** AC IN CIRCUIT

SA-DT110(E,EB,EG) MAIN,POWER TRANSFORMER,AC IN,CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-6

D DIGITAL AMP CIRCUIT

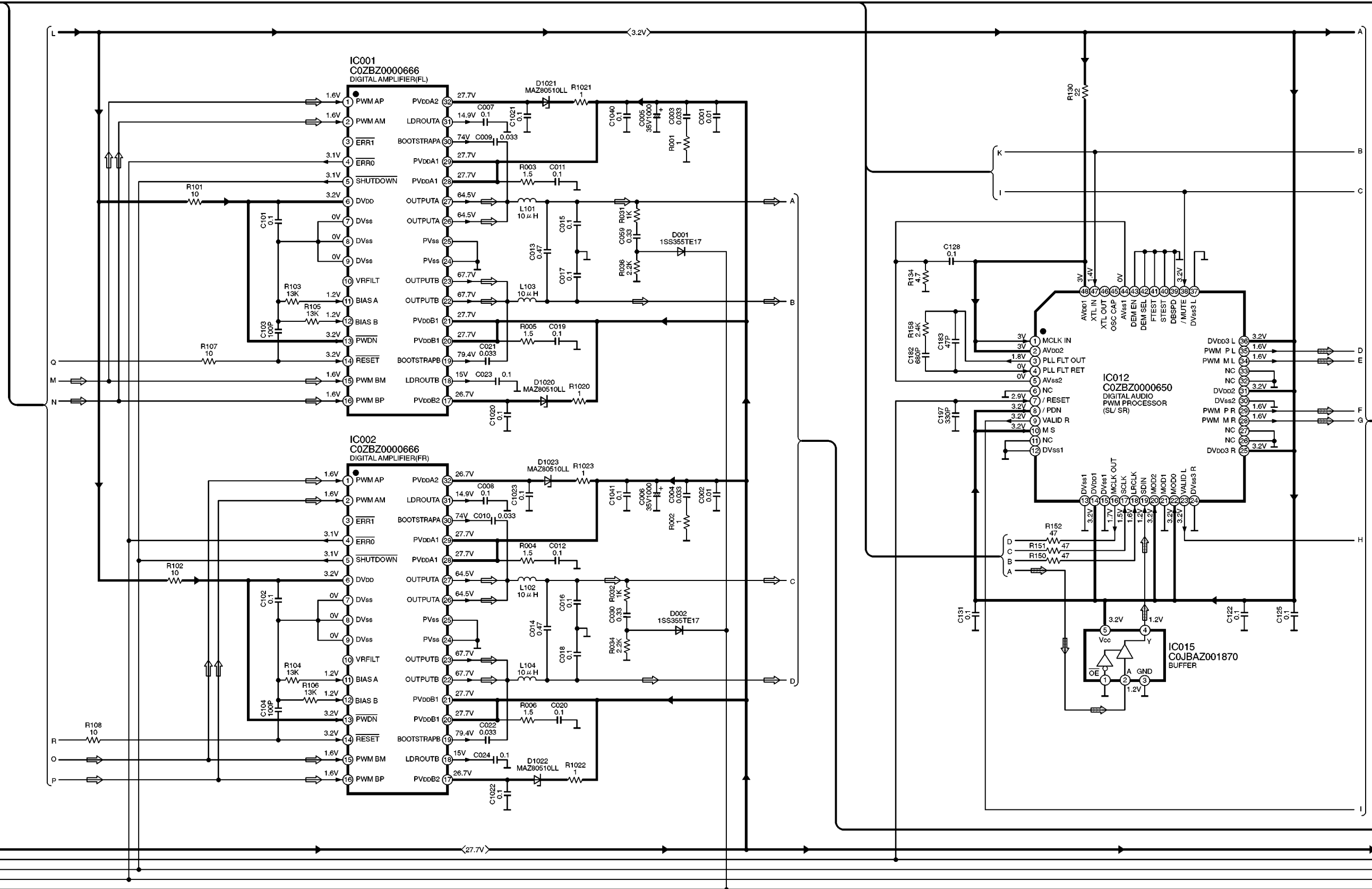
→ : POSITIVE VOLTAGE LINE ⇨ : AUDIO SIGNAL LINE ⇨ : SURROUND SP. SIGNAL LINE ⇨ : CENTER SP. SIGNAL LINE ⇨ : SUB WOOFER SIGNAL LINE



SCHEMATIC DIAGRAM-7

DIGITAL AMP CIRCUIT

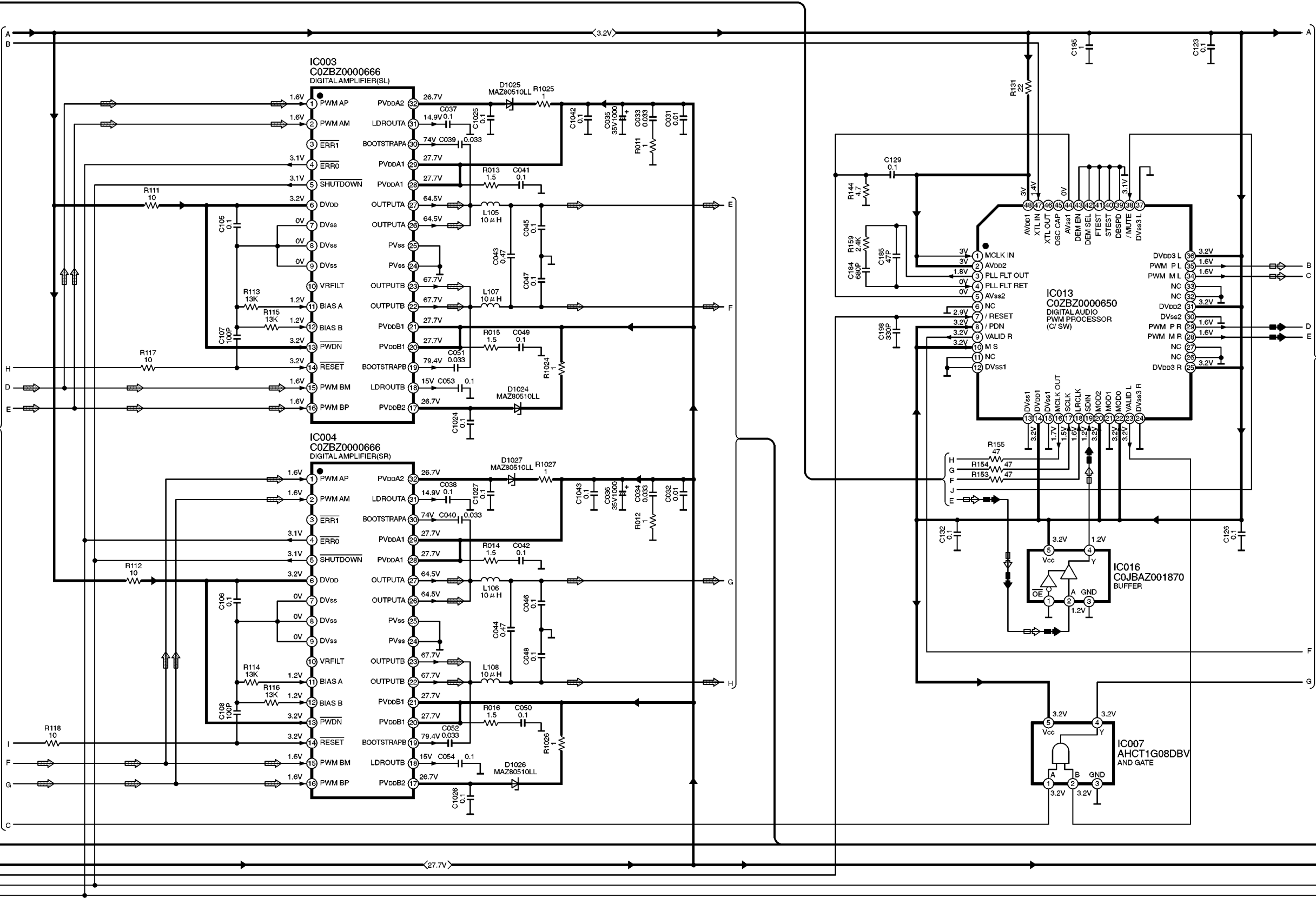
→ : POSITIVE VOLTAGE LINE ⇨ : AUDIO SIGNAL LINE ⇨ : SURROUND SP. SIGNAL LINE



SCHEMATIC DIAGRAM-8

D DIGITAL AMP CIRCUIT

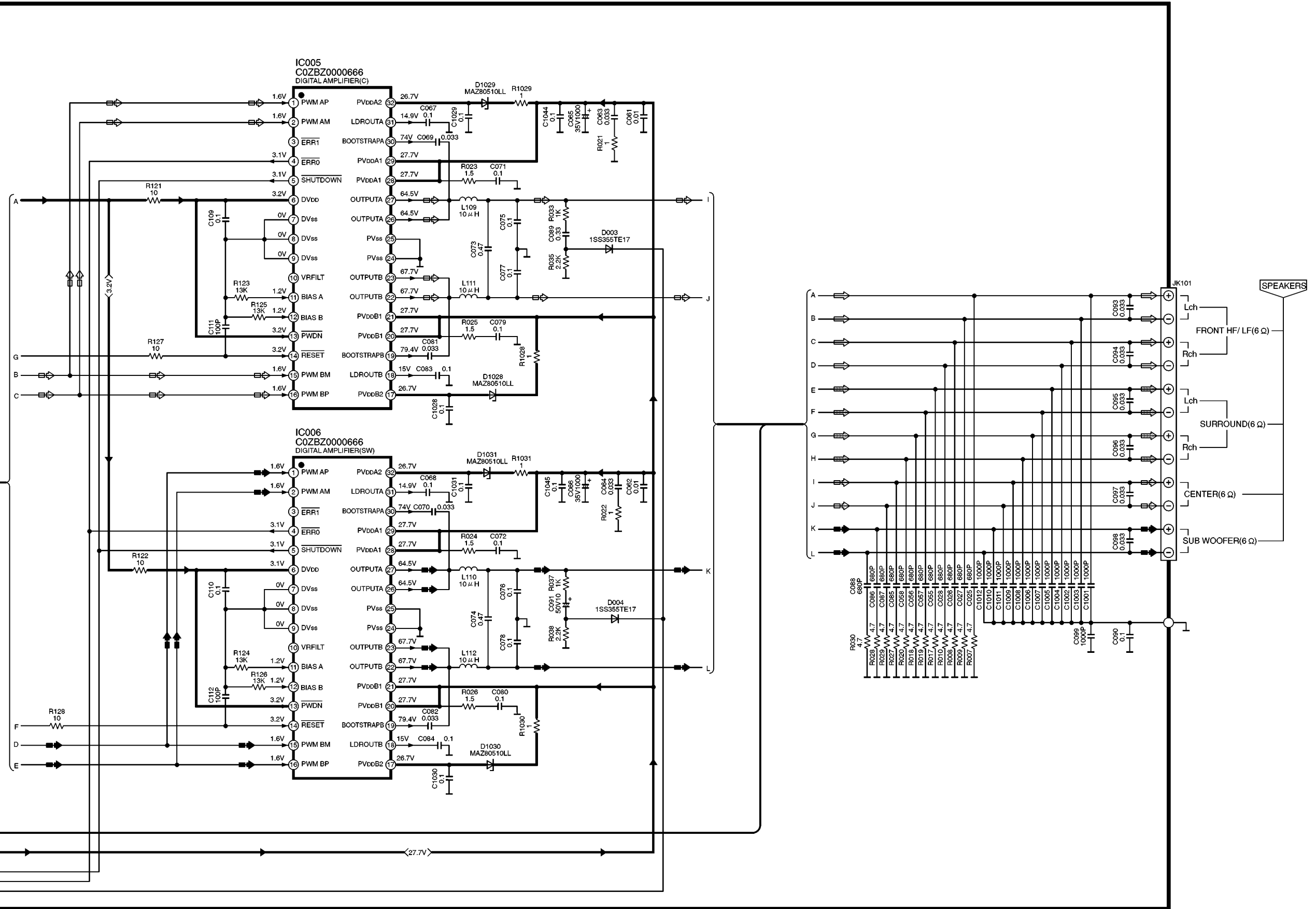
→ : POSITIVE VOLTAGE LINE ⇨ : SURROUND SP. SIGNAL LINE □⇨ : CENTER SP. SIGNAL LINE ▣⇨ : SUB WOOFER SIGNAL LINE



SCHEMATIC DIAGRAM-9

D DIGITAL AMP CIRCUIT

➔: POSITIVE VOLTAGE LINE ➞: AUDIO SIGNAL LINE ➞: SURROUND SP. SIGNAL LINE ◻➞: CENTER SP. SIGNAL LINE ■➞: SUB WOOFER SIGNAL LINE

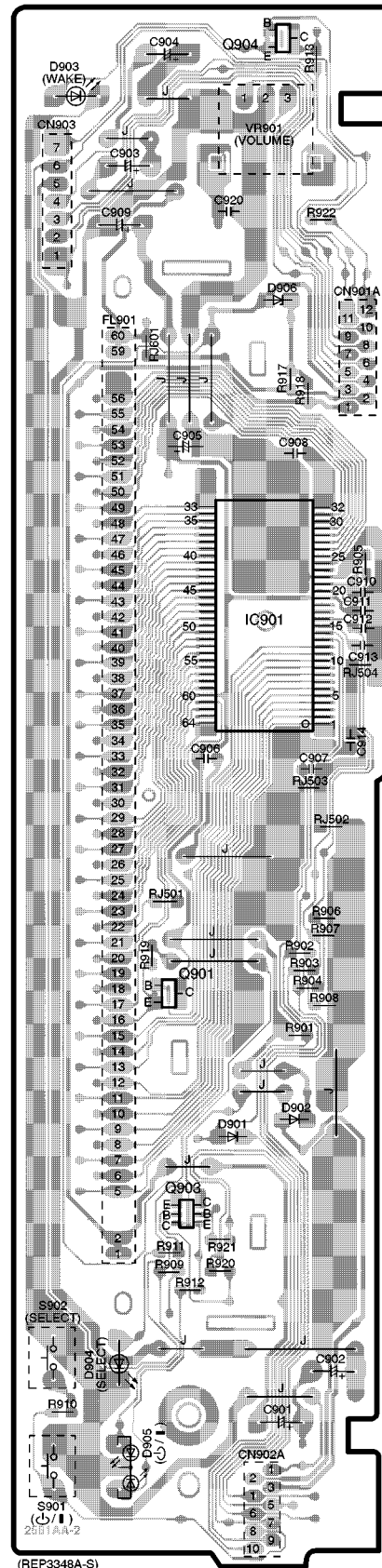


SA-DT110(E,EB,EG) DIGITAL AMP CIRCUIT DIAGRAM

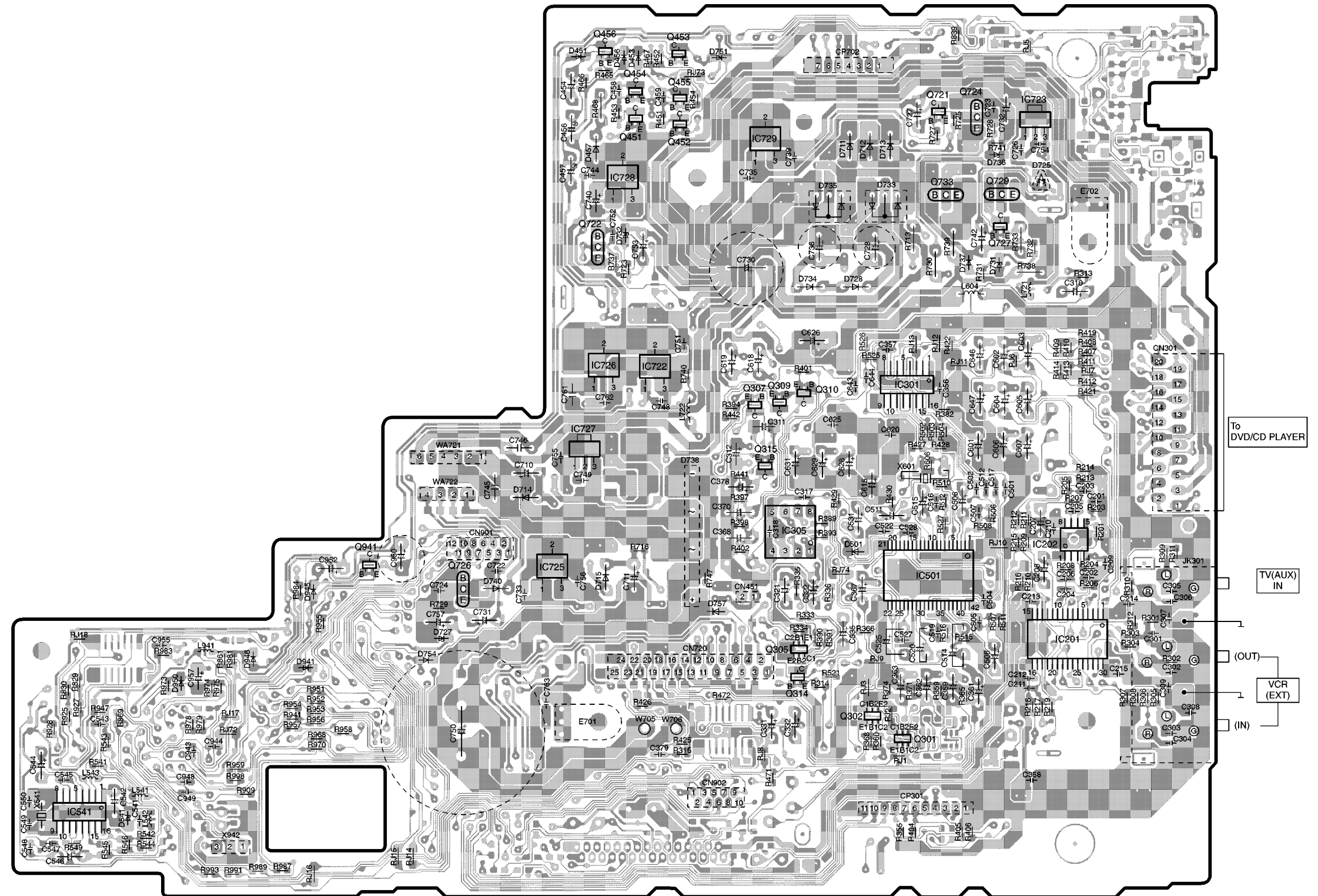
12 Printed Circuit Board Diagram

Note: This printed circuit board diagram may be modified at any time with the development of new technology.

A FL P.C.B.



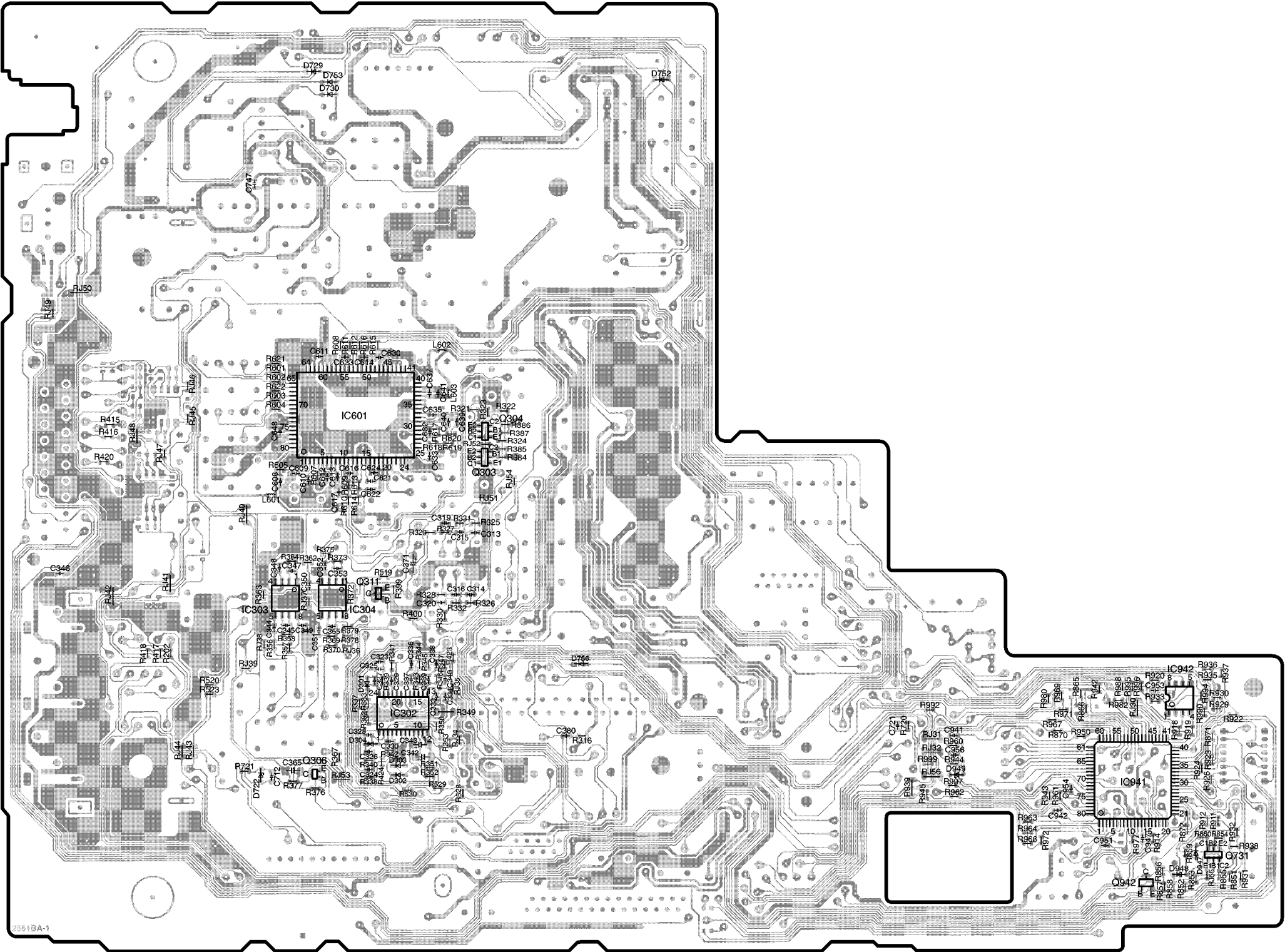
C MAIN P.C.B. (SIDE:B)



SA-DT110(E,EB,EG) FL,MAIN(SIDE:B) P.C.B.

H
G
F
E
D
C
B
A

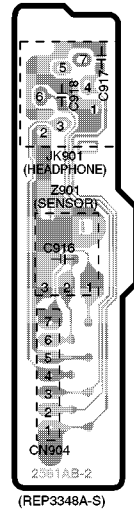
C MAIN P.C.B. (SIDE:A)



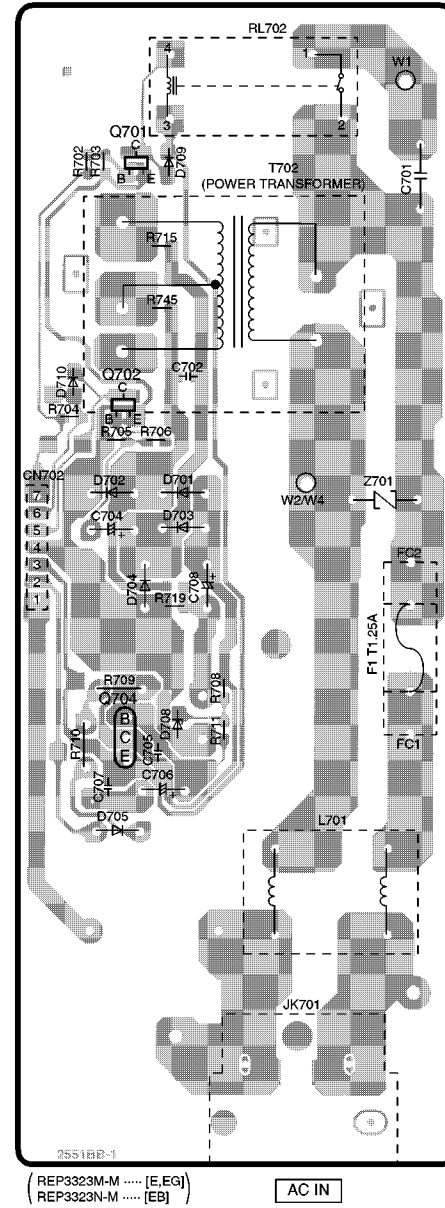
(REP3323M-M...[E,EG])
(REP3323N-M...[EB])

H
G
F
E
D
C
B
A

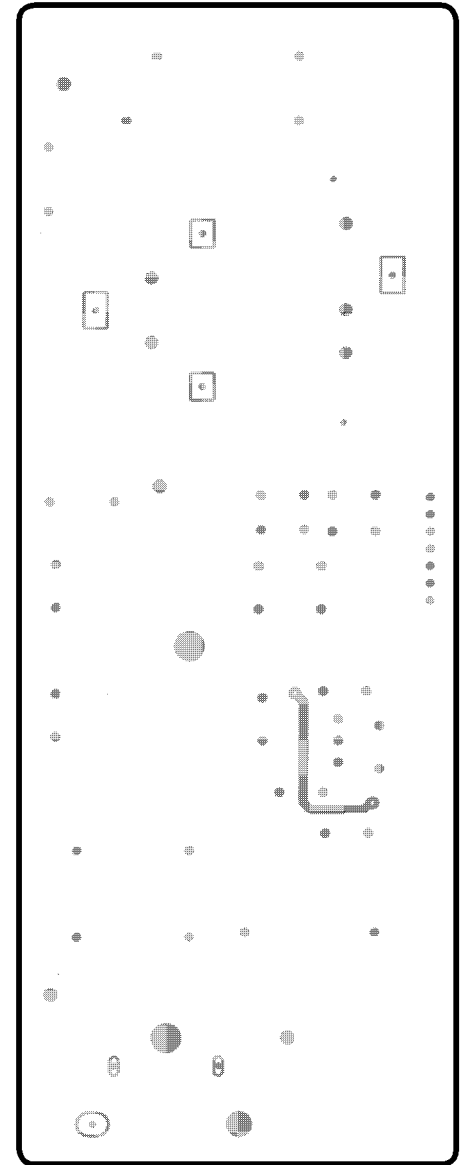
B HEADPHONE P.C.B.



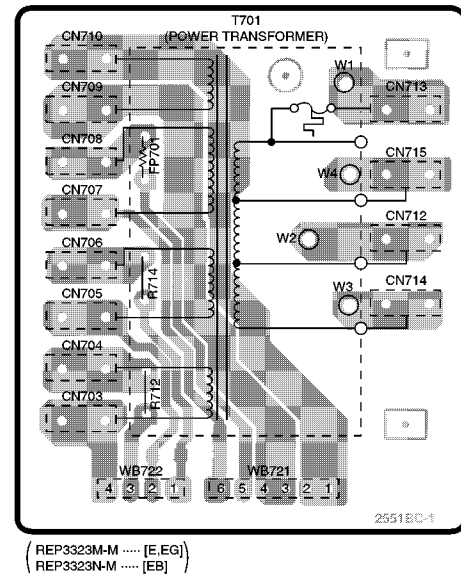
F AC IN P.C.B. (SIDE:B)



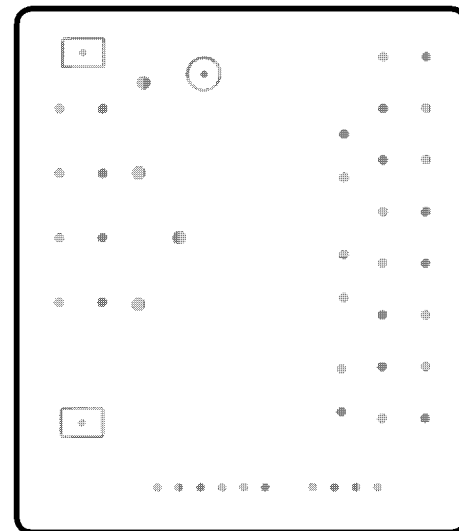
F AC IN P.C.B. (SIDE:A)



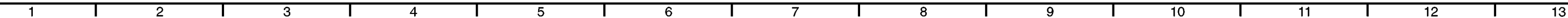
E POWER TRANSFORMER P.C.B. (SIDE:B)



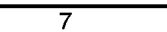
E POWER TRANSFORMER P.C.B. (SIDE:A)



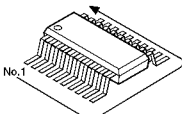
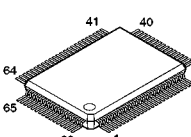
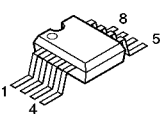
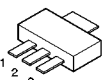
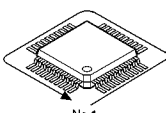
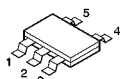
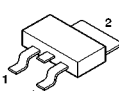
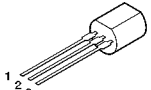
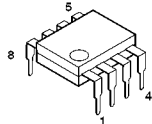
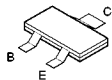
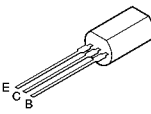
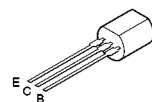
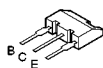
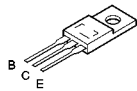
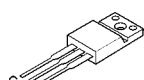
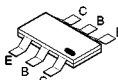
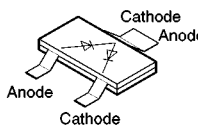
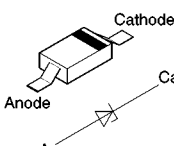
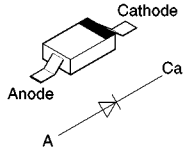
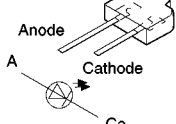
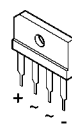
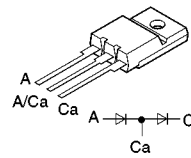
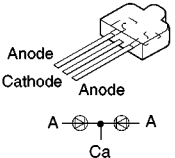
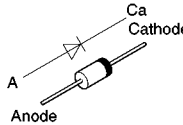
A horizontal timeline with 13 numbered segments, each containing a small black dot.



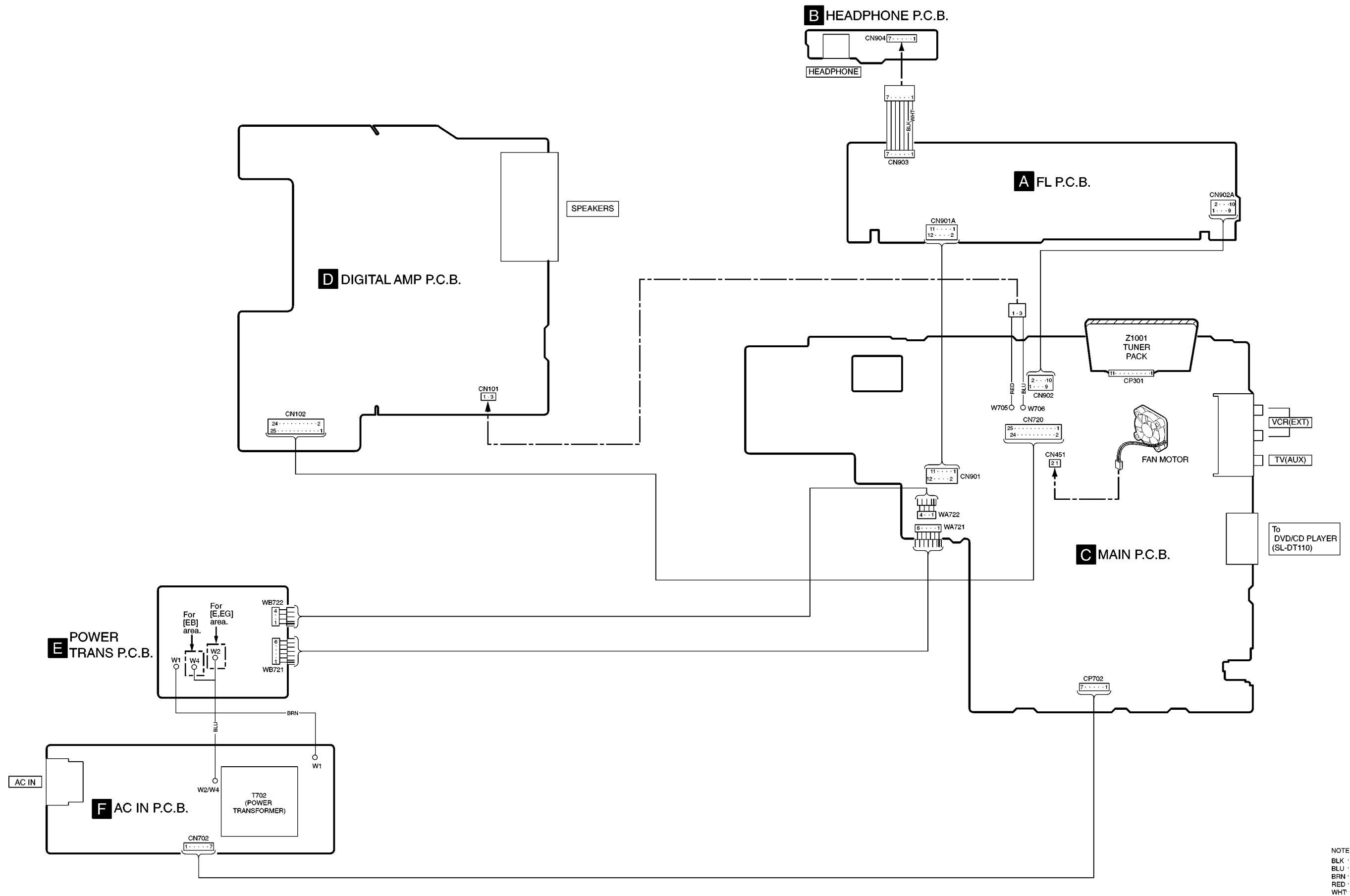
7



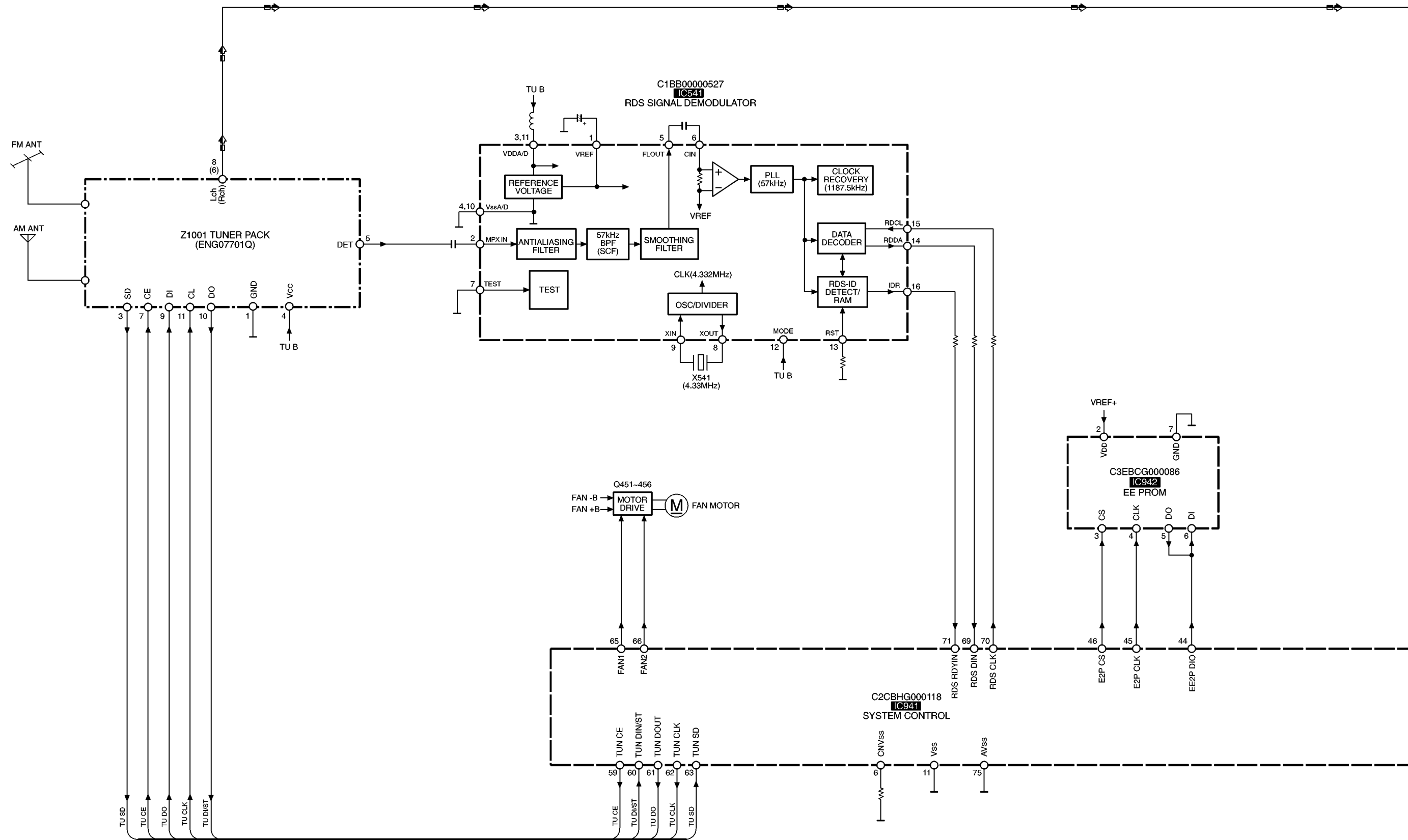
13 Type Illustration of ICs, Transistors and Diodes

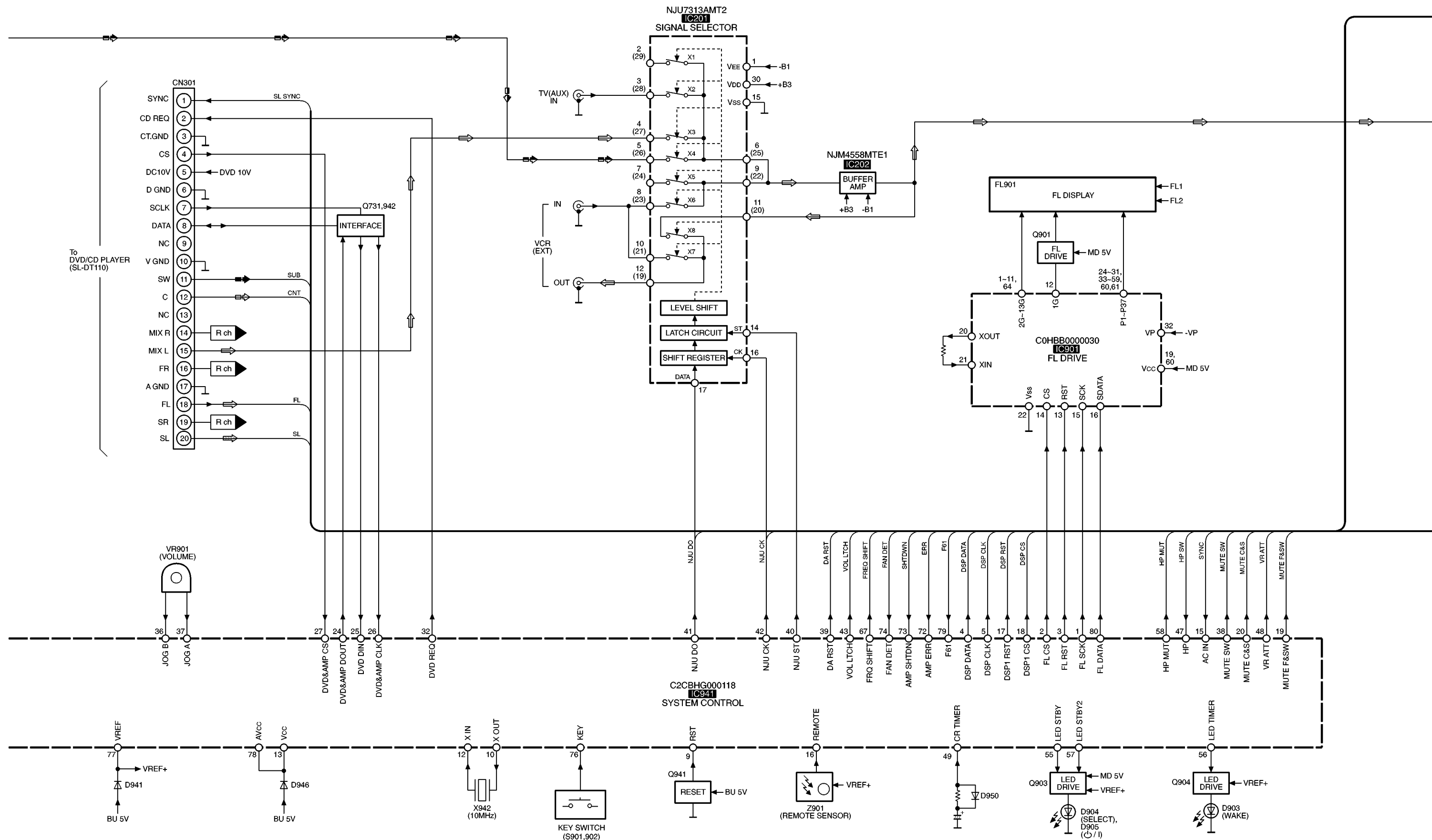
	<table><tr><td>NJU7313AMT2</td><td>30PIN</td><td>M62456FPE1</td><td>24PIN</td></tr><tr><td>C1BB00000527</td><td>16PIN</td><td>C0ZBZ0000666</td><td>32PIN</td></tr><tr><td>NJM4558MTE1</td><td>8PIN</td><td>C0FBAJ000009</td><td>14PIN</td></tr><tr><td>M62444FPE1</td><td>42PIN</td><td>C0FBAK000008</td><td>20PIN</td></tr><tr><td>BU4053BCFE2</td><td>16PIN</td><td>TC7WH74FUTL</td><td>8PIN</td></tr><tr><td></td><td></td><td>C0HBB0000030</td><td>64PIN</td></tr></table>		NJU7313AMT2	30PIN	M62456FPE1	24PIN	C1BB00000527	16PIN	C0ZBZ0000666	32PIN	NJM4558MTE1	8PIN	C0FBAJ000009	14PIN	M62444FPE1	42PIN	C0FBAK000008	20PIN	BU4053BCFE2	16PIN	TC7WH74FUTL	8PIN			C0HBB0000030	64PIN			
NJU7313AMT2	30PIN	M62456FPE1	24PIN																										
C1BB00000527	16PIN	C0ZBZ0000666	32PIN																										
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		C0HBB0000030	64PIN																										
	<table><tr><td>C0ZBZ0000650</td><td>48PIN</td></tr><tr><td>C2CBHG000118</td><td>80PIN</td></tr></table>	C0ZBZ0000650	48PIN	C2CBHG000118	80PIN	<table><tr><td>C0JBAB000423</td><td>AHCT1G08DBV</td></tr><tr><td>C0JBAD000153</td><td>C0JBAZ001870</td></tr></table> 	C0JBAB000423	AHCT1G08DBV	C0JBAD000153	C0JBAZ001870		<table><tr><td>C0CBAEE00003</td></tr><tr><td>C0CBAHE00002</td></tr><tr><td>C0CBADE00034</td></tr><tr><td>C0CBAEE00004</td></tr></table>	C0CBAEE00003	C0CBAHE00002	C0CBADE00034	C0CBAEE00004													
C0ZBZ0000650	48PIN																												
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C0CBAHE00002																													
C0CBADE00034																													
C0CBAEE00004																													
<table><tr><td>M5218AP</td></tr></table> 	M5218AP	<table><tr><td>2SD1819ATX</td></tr><tr><td>2SB1218TX</td></tr><tr><td>2SB12190WL</td></tr></table> 	2SD1819ATX	2SB1218TX	2SB12190WL	<table><tr><td>B1ABGC000001</td></tr><tr><td>UN521MTX</td></tr><tr><td>UN5211TX</td></tr><tr><td>UN5214TX</td></tr><tr><td>UN5115TX</td></tr><tr><td>UN5111TX</td></tr></table>	B1ABGC000001	UN521MTX	UN5211TX	UN5214TX	UN5115TX	UN5111TX	<table><tr><td>2SC3940ARSTA</td></tr></table> 	2SC3940ARSTA	<table><tr><td>2SB621RSTA</td></tr></table> 	2SB621RSTA	<table><tr><td>B1BCJJ000001</td></tr></table> 	B1BCJJ000001											
M5218AP																													
2SD1819ATX																													
2SB1218TX																													
2SB12190WL																													
B1ABGC000001																													
UN521MTX																													
UN5211TX																													
UN5214TX																													
UN5115TX																													
UN5111TX																													
2SC3940ARSTA																													
2SB621RSTA																													
B1BCJJ000001																													
<table><tr><td>2SA20570P</td></tr></table> 	2SA20570P	<table><tr><td>B1DEGL000004</td></tr></table> 	B1DEGL000004	<table><tr><td>XN0431100L</td></tr><tr><td>XN0450100L</td></tr><tr><td>B1GFGCAA0001</td></tr></table> 	XN0431100L	XN0450100L	B1GFGCAA0001	<table><tr><td>MA143TX</td></tr></table> 	MA143TX	<table><tr><td>MAZ80910HL</td></tr><tr><td>MA8082MTX</td></tr></table> 	MAZ80910HL	MA8082MTX	<table><tr><td>MA8068MTX</td></tr><tr><td>MAZ83000HL</td></tr><tr><td>MA8120MTX</td></tr><tr><td>MAZ80680LL</td></tr><tr><td>MA8051MTX</td></tr><tr><td>MA8043MTX</td></tr><tr><td>MAZ80510LL</td></tr></table>	MA8068MTX	MAZ83000HL	MA8120MTX	MAZ80680LL	MA8051MTX	MA8043MTX	MAZ80510LL									
2SA20570P																													
B1DEGL000004																													
XN0431100L																													
XN0450100L																													
B1GFGCAA0001																													
MA143TX																													
MAZ80910HL																													
MA8082MTX																													
MA8068MTX																													
MAZ83000HL																													
MA8120MTX																													
MAZ80680LL																													
MA8051MTX																													
MA8043MTX																													
MAZ80510LL																													
	<table><tr><td>MA111TX</td></tr><tr><td>1SS380TE-17</td></tr><tr><td>1SS355TE17</td></tr></table>	MA111TX	1SS380TE-17	1SS355TE17	<table><tr><td>SELS5923C</td></tr></table> 	SELS5923C	<table><tr><td>B0FFAC000001</td></tr></table> 	B0FFAC000001	<table><tr><td>B0FBAP000001</td></tr></table> 	B0FBAP000001	<table><tr><td>B3AGA0000079</td></tr></table> 	B3AGA0000079																	
MA111TX																													
1SS380TE-17																													
1SS355TE17																													
SELS5923C																													
B0FFAC000001																													
B0FBAP000001																													
B3AGA0000079																													
<table><tr><td>RL1N4003N02</td></tr></table> 	RL1N4003N02																												
RL1N4003N02																													

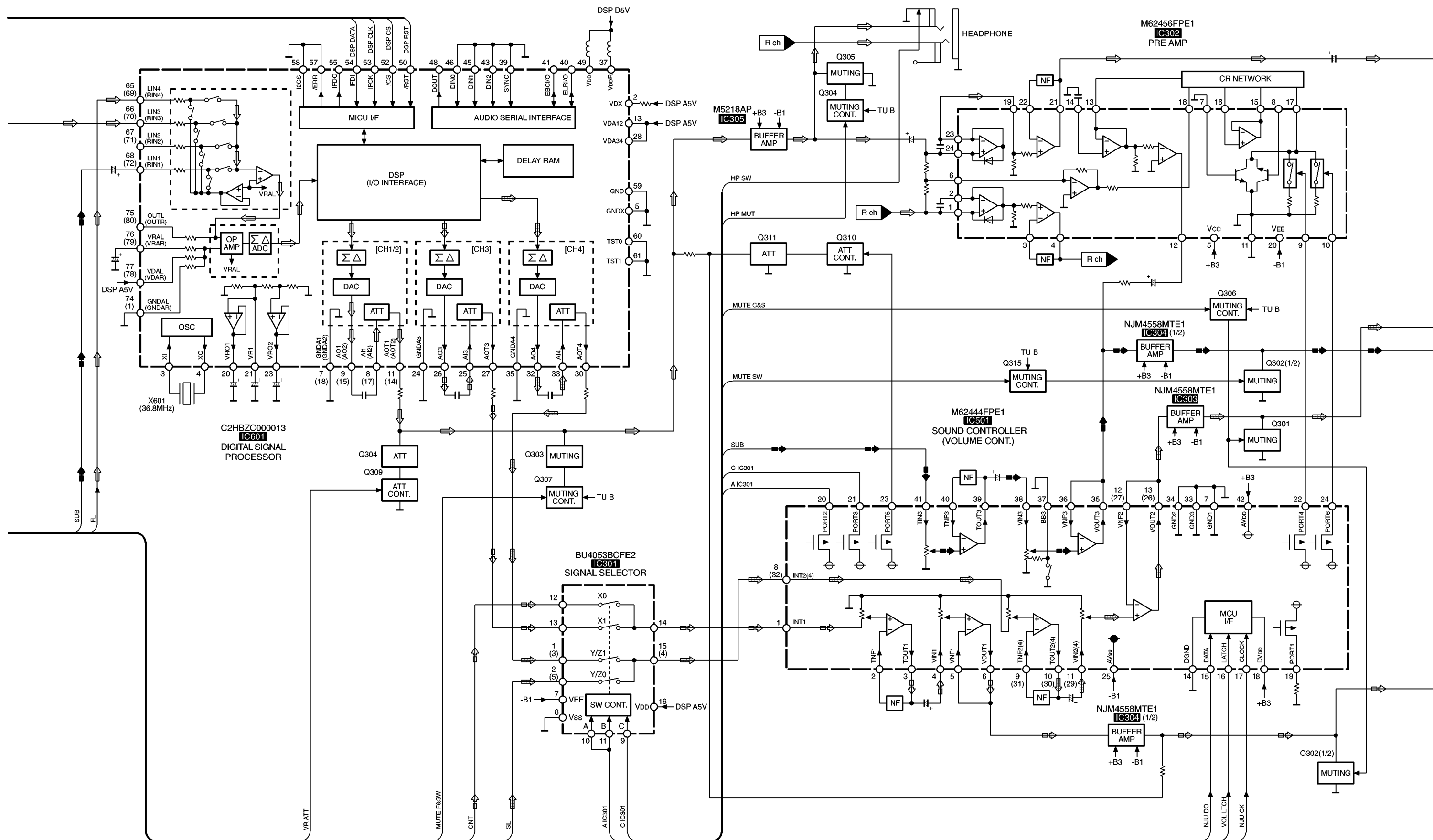
14 Wiring Connection Diagram



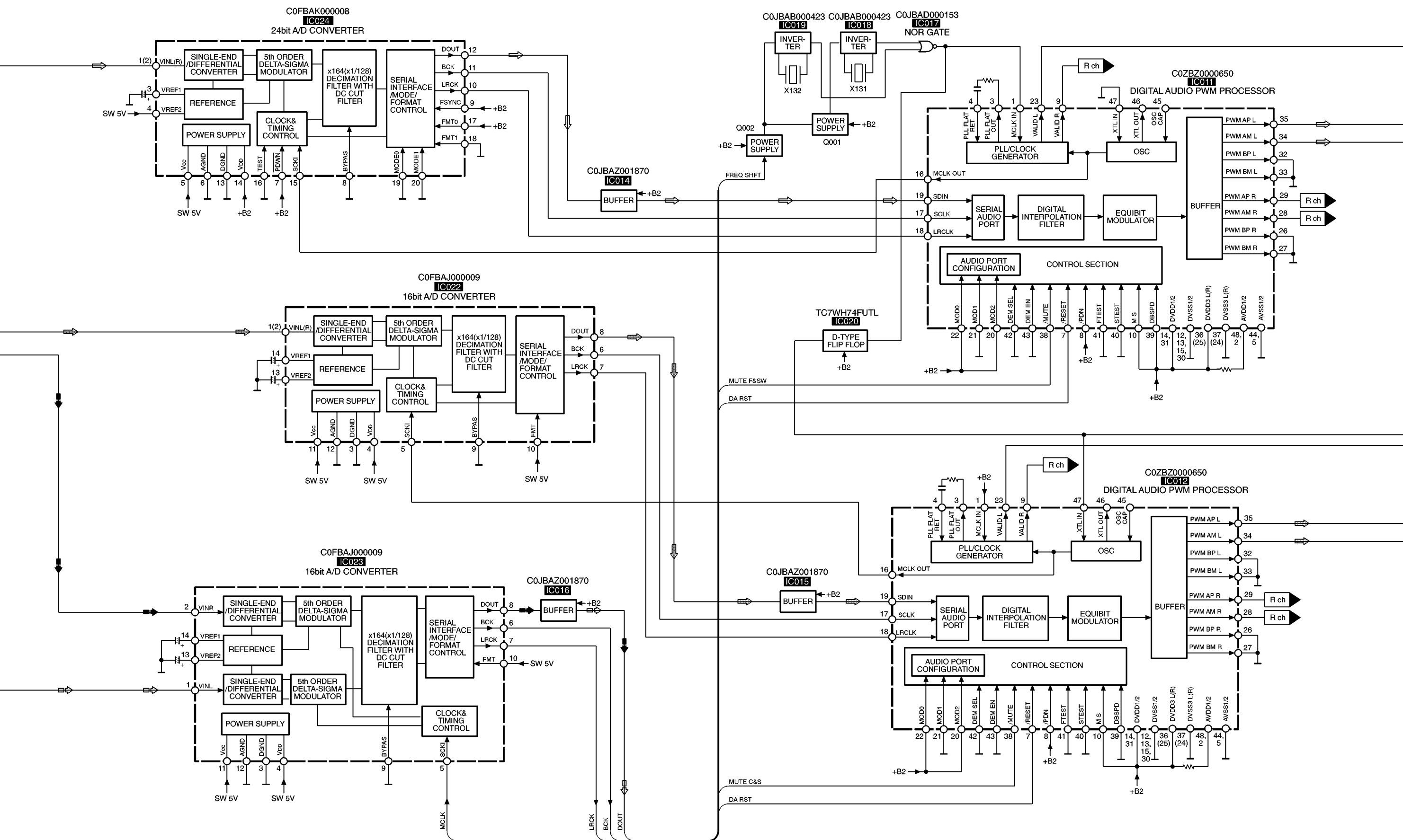
15 Block Diagram



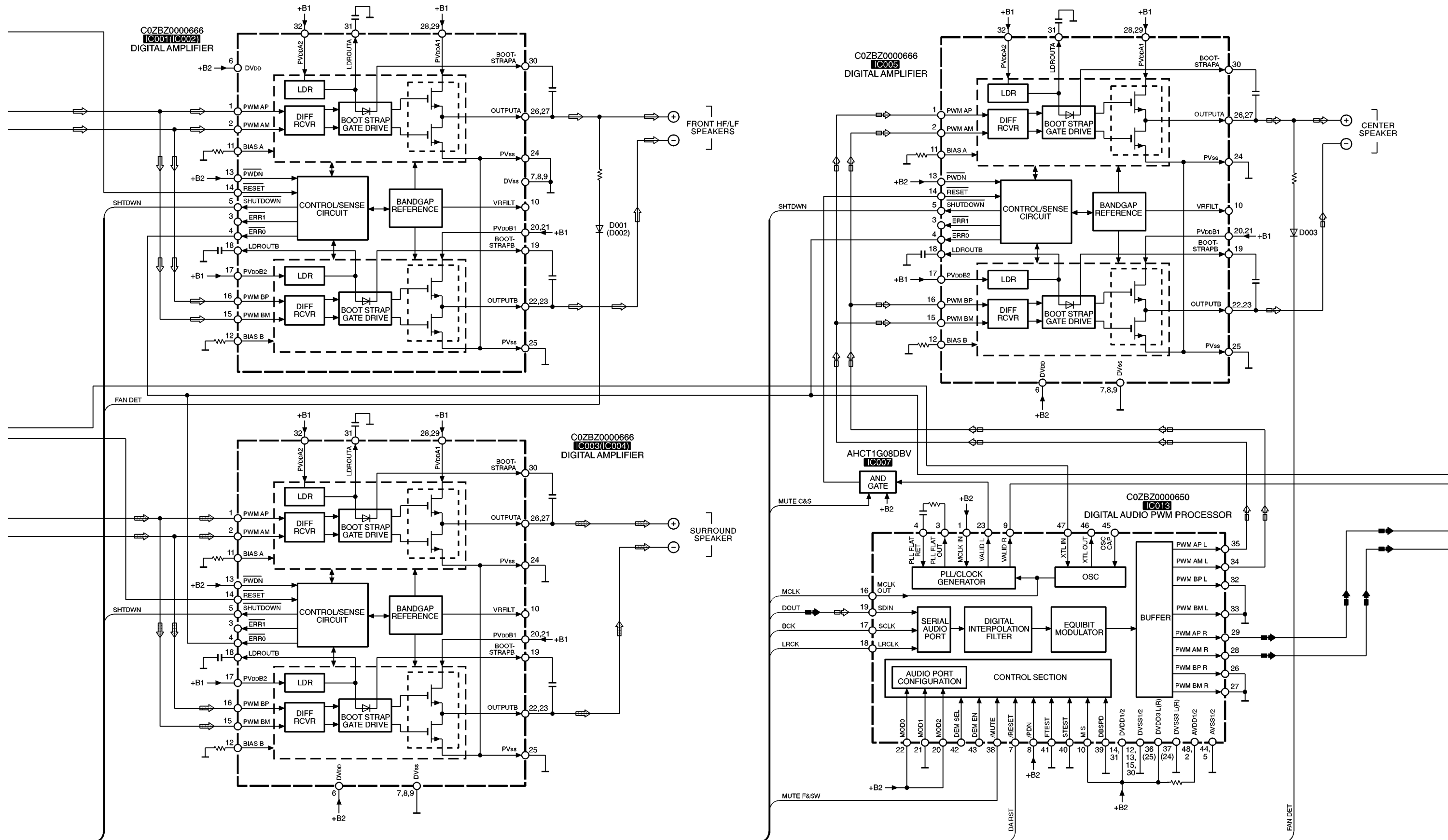




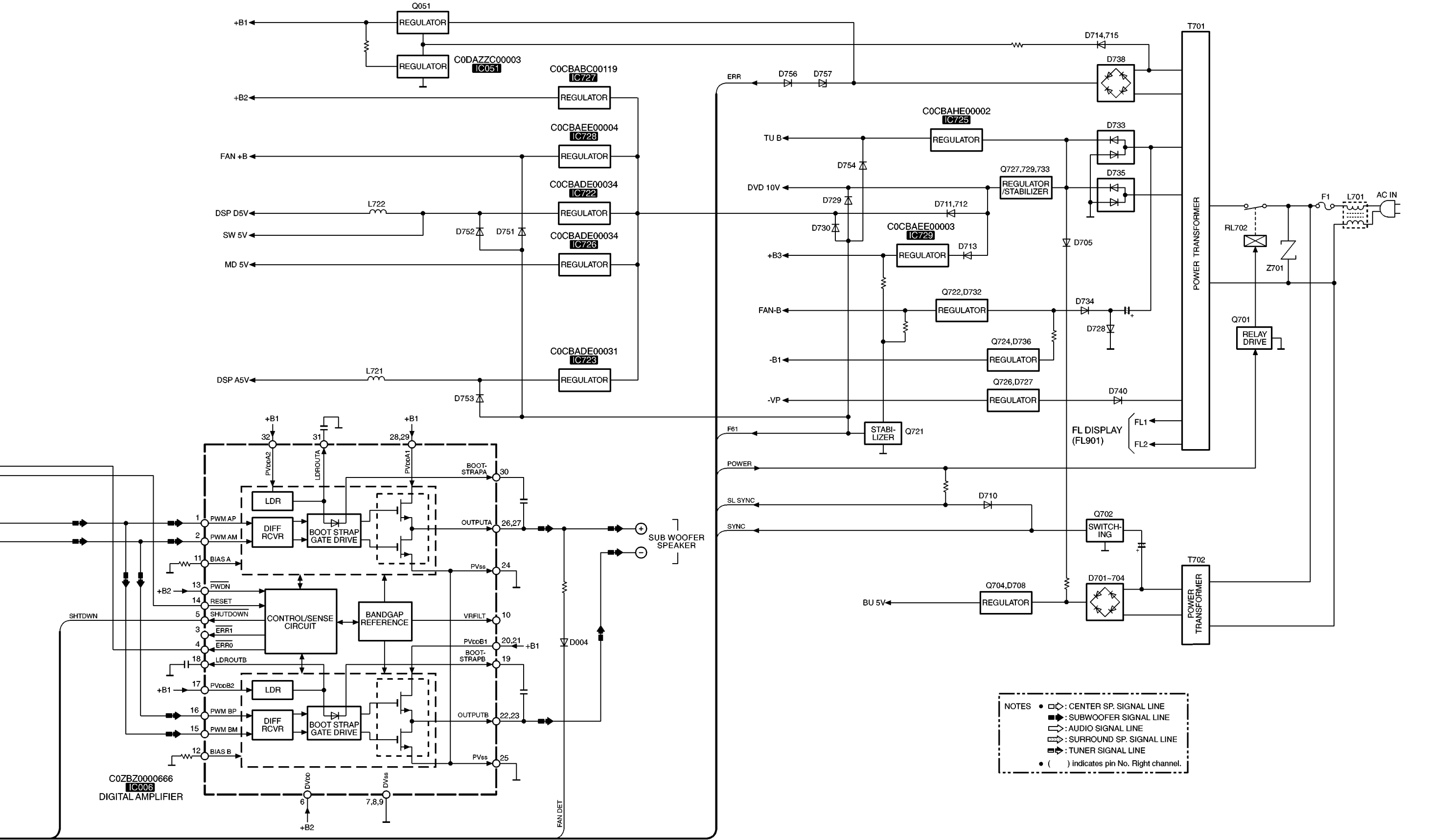
SA-DT110(E,EB,EG) BLOCK DIAGRAM



SA-DT110(E,EB,EG) BLOCK DIAGRAM



SA-DT110(E,EB,EG) BLOCK DIAGRAM



SA-DT110(E,EB,EG) BLOCK DIAGRAM

16 Terminal Function of ICs

16.1. IC941(C2CBHG000118): System Control

Pin No.	Terminal Name	I/O	Function
1	FL SCK	O	Clock signal output for IC901
2	FL CS	O	Chip select signal output for IC901
3	FL RST	O	Reset signal output for IC901
4	DSP DATA	O	Data signal output for DSP
5	DSP CLK	O	Clock signal output for DSP
6	CNV _{SS}	-	Connected to GND via resistor
7	XC IN	-	Not used, open
8	XC OUT	-	Not used, open
9	RST	I	Reset signal input
10	X OUT	O	Ceramic oscillator connected (F=10 MHz)
11	V _{SS}	-	GND
12	X IN	I	Ceramic oscillator connected (F=10 MHz)
13	V _{CC}	I	Power supply terminal
14	CNT F	I	Connected to V _{CC} via resistor
15	AC IN	I	Power failure detect signal input
16	REMOTE	I	Remote control signal input
17	DSP1 RST	O	DSP reset signal output
18	DSP1 CS	O	DSP chip select signal output
19	MUTE F&SW	O	Muting signal output for Front speakers, Sub woofer
20	MUTE C&S	O	Muting signal output for Center, Surround speakers
21	CEK	-	Not used, open
22	PMD DIN	I	Not used
23	PMD DOUT	O	Not used
24	DVD& AMP D OUT	O	DVD communication data signal output
25	DVD D IN	I	DVD communication data signal input
26	DVD& AMP CLK	I	DVD communication clock signal input
27	DVD& AMP CS	I	DVD communication chip select signal input
28	MDDOUT	O	Not used
29	MDDIN	I	Not used, connected to GND
30	MDCLK	O	Not used
31	MDCS	I	Not used, connected to GND
32	DVD REQ	O	DVD communication request signal output
33	MDRST	O	Not used
34	MDREQ	O	Not used
35	LOAD SW	I	Not used
36	JOG B	I	Volume JOG signal B input
37	JOG A	I	Volume JOG signal A input
38	MUTE SW	O	Mute signal output for Sub woofer
39	DARST	O	Reset signal output for digital amplifier
40	NJU ST	O	Stereo signal output for IC201
41	NJU DO	O	Data signal output for IC201, IC501
42	NJU CK	O	Clock signal output for IC201, IC501
43	VOL LTCH	O	Latch signal output for IC501
44	E2P DIO	O	EEPROM data signal input/output
45	E2P CLK	O	EEPROM clock signal output
46	E2P CE	O	EEPROM chip enable signal output
47	HP	I	Headphone connecting detect signal input
48	VR ATT	O	Attenuator control signal output
49	CR TIMER	I	CR timer signal input
50	CS4	I	Not used, connected to GND
51	CS3	I	Not used, connected to GND
52	CS2	I	Not used, connected to GND

Pin No.	Terminal Name	I/O	Function
53	CS1	I	Not used, connected to GND
54	CS0	I	Not used, connected to GND
55	LED STBY	O	LED drive signal output
56	LED TIMER	O	LED drive signal output
57	LED STBY2	O	LED drive signal output
58	HP MUT	O	Mute signal output for headphone
59	TUN CE	O	Chip enable signal output
60	TUN DIN/ST	I	Data signal/stereo signal input
61	TUN DOUT	O	Data signal output
62	TUN CLK	O	Clock signal output
63	TUN SD	I	Station detect signal input
64	POWER	O	Power signal output
65	FAN1	O	Fan motor drive signal output 1
66	FAN2	O	Fan motor drive signal output 2
67	FRQ SHIFT	O	Digital amplifier oscillated frequency change signal output
68	PO DET	I	Not used, connected to GND
69	RDS DIN	I	Data signal input from IC541
70	RDS CLK	O	Clock signal output for IC541
71	RDS RDYIN	I	Ready signal input from IC541
72	AMP ERR	I	Digital amplifier error signal input
73	AMP SHTDN	I	Digital amplifier shut down signal input
74	FAN DET	I	Input for playback signal detect
75	AV _{SS}	-	GND
76	KEY	I	Operation key signal input
77	VREF	I	Reference voltage input
78	AV _{CC}	I	Power supply terminal
79	F61	I	Power supply abnormal detect signal input
80	FL DATA	O	Data signal output for IC901

17 Replacement Parts List

Notes:

- Important safety notice:

Components identified by Δ ; mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.

- The parenthesized indications in the Remarks columns specify the areas.

(E): SA-DT110E

(EB): SA-DT110EB

(EG): SA-DT110EG

- The marking in Ref No. indicates as follow.

*1: Main P.C.B.

*2: FL P.C.B.

- The marking [RTL] indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

- All parts are supplied by SPC.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	RGN2526-K	NAME PLATE	1	(EG) (E)
1	RGN2527-K	NAME PLATE	1	(EB)
2	XTB3+8JFZ	SCREW	16	
3	REM0106	FAN UNIT	1	
4	REZ1446	FFC	1	
5	RGK1508-K	BOTTOM COVER	1	
6	RGR0329B-EA	REAR PANEL	1	
7	RHD30078	SCREW	2	
8	RKA0137-K	RUBBER	4	
9	RMA1538	FAN ANGLE	1	
10	RMC0471	ANGLE	1	
11	RMN0696	HOLDER 1	1	
12	RMN0699	HOLDER 2	1	
13	RMX0234	SHIELD SHEET	1	
14	RMZ0611	BARRIER	1	
15	SHR415	BINDER	2	
16	XTB3+23J	SCREW	2	
17	XTB3+6JFZ	SCREW	2	
18	XTBS3+8JFZ1	SCREW	13	
19	XTW3+8T	SCREW	1	
20	REZ1467	FLAT CABLE	1	
22	RMZ0339	ZNR COVER	1	
23	J0KE00000063	CORE 1	1	
24	J0KE00000064	CORE 2	1	
25	REX1130	WIRE ASS'Y	1	
26	RHD26038-K	SCREW	3	
27	RMG0585-H	RUBBER (HEAT SHINK)	6	
28	RMX0230	SHEET	1	
29	REZ1447	FFC	1	
30	REZ1448-1	FFC	1	
31	RMN0697	FL HOLDER	1	
32	RGK1517-S	VOLUME ORNAMENT	1	
33	RMN0195-1	FL PIECE	2	
34	REX1131	WIRE ASS'Y	1	
35	RGU2095-S	BUTTON, POWER	1	
36	RGW0389-S	KNOB, VOLUME	1	
37	RHN90001	NUT	1	
38	XTBS26+8J	SCREW	1	
39	RKM0463-S	TOP COVER	1	
40	RFGGADT110EG	FRONT CABINET UNIT	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
40-1	RKW0686-K	SENSOR COVER	1	
A1	K1JZ24D00002	RCAJ ADAPTOR	1	
A2	SJP9009	ANTENNA PLUG ADAPTOR	1	KLYZ02000013 (EB)
A3	N2QAJB000078	REMOTE CONTROL	1	
A3-1	HTR028352001	BATTERY COVER	1	
A4	RFE0088-1	CLEANING CLOTH	1	
A5	RJA0019-2X	AC MAINS LEAD	1	Δ (EG) (E)
A5	RJA0053-3X	AC MAINS LEAD	1	Δ (EB)
A6	VJA0815-A	VIDEO CABLE	1	
A7	REK0063	AM LOOP ANTENNA	1	
A8	N1EAYY000002	FM INDOOR ANTENNA	1	
A9	RQCA0950	SPEAKER-CORD STICKERS	1	
A10	RQT7033-D	OPERATING INSTRUCTIONS	1	(EG), GERMAN, NETHERLANDS, DANISH, SWEDISH
A10	RQT7036-R	OPERATING INSTRUCTIONS	1	(E), SPANISH, POLISH, CZECH
A10	RQT7035-B	OPERATING INSTRUCTIONS	1	(EB) (E), ENGLISH
C001,02	ECUVNH103KBV	50V 0.01U	2	F1H1H103A748
C003,04	F1H1H333A783	50V 0.033U	2	
C005,06	EEUFF1V102E	35V 1000U	2	
C007,08	F1H1H104A783	50V 0.1U	2	
C009,10	F1H1H333A783	50V 0.033U	2	
C011,12	F1J1H104A679	50V 0.1U	2	
C013,14	ECQE1474KF3	100V 0.47U	2	
C015-20	F1J1H104A679	50V 0.1U	6	
C021,22	F1H1H333A783	50V 0.033U	2	
C023,24	F1H1H104A783	50V 0.1U	2	
C025-28	ECJ1VB1H681K	50V 680P	4	
C030	F1J1H334A679	50V 0.33U	1	
C031,32	ECUVNH103KBV	50V 0.01U	2	F1H1H103A748
C033,34	F1H1H333A783	50V 0.033U	2	
C035,36	EEUFF1V102E	35V 1000U	2	
C037,38	F1H1H104A783	50V 0.1U	2	
C039,40	F1H1H333A783	50V 0.033U	2	
C041,42	F1J1H104A679	50V 0.1U	2	
C043,44	ECQE1474KF3	100V 0.47U	2	
C045-50	F1J1H104A679	50V 0.1U	6	
C051,52	F1H1H333A783	50V 0.033U	2	
C053,54	F1H1H104A783	50V 0.1U	2	
C055-58	ECJ1VB1H681K	50V 680P	4	
C059	F1J1H334A679	50V 0.33U	1	
C061,62	ECUVNH103KBV	50V 0.01U	2	F1H1H103A748
C063,64	F1H1H333A783	50V 0.033U	2	
C065,66	EEUFF1V102E	35V 1000U	2	
C067,68	F1H1H104A783	50V 0.1U	2	
C069,70	F1H1H333A783	50V 0.033U	2	
C071,72	F1J1H104A679	50V 0.1U	2	
C073,74	ECQE1474KF3	100V 0.47U	2	
C075-80	F1J1H104A679	50V 0.1U	6	
C081,82	F1H1H333A783	50V 0.033U	2	
C083,84	F1H1H104A783	50V 0.1U	2	
C085-88	ECJ1VB1H681K	50V 680P	4	
C089	F1J1H334A679	50V 0.33U	1	
C090	ECJ1VB1C104K	16V 0.1U	1	
C091	ECA1HAK100XB	50V 10U	1	
C093-98	F1H1H333A783	50V 0.033U	6	
C099	ECJ1VB1H102K	50V 1000P	1	
C100	F1H1H104A783	50V 0.1U	1	
C101,02	ECJ1VB1C104K	16V 0.1U	2	
C103,04	ECUV1H101JCV	50V 100P	2	ECJ1VC1H101J
C105,06	ECJ1VB1C104K	16V 0.1U	2	
C107,08	ECUV1H101JCV	50V 100P	2	ECJ1VC1H101J

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C109,10	ECJ1VB1C104K	16V 0.1U	2	
C111,12	ECUV1H101JCV	50V 100P	2	ECJ1VC1H101J
C121-32	ECJ1VB1C104K	16V 0.1U	12	
C133-36	ECJ1VC1H180J	50V 18P	4	
C137,38	ECJ1VB1C104K	16V 0.1U	2	
C139-44	ECST1CY105	16V 1	6	
C149,50	ECJ1VB1C104K	16V 0.1U	2	
C151,52	ECST1AY475R	10V 4.7U	2	
C153,54	ECJ1VB1C104K	16V 0.1U	2	
C155,56	ECST1AY475R	10V 4.7U	2	
C157,58	ECJ1VB1C104K	16V 0.1U	2	
C159-62	ECST1AY475R	10V 4.7U	4	
C175	ECJ1VB1C104K	16V 0.1U	1	
C176	ECUV1H101JCV	50V 100P	1	ECJ1VC1H101J
C180	ECJ1VB1H681K	50V 680P	1	
C181	ECUV1H470JCV	50V 47P	1	ECJ1VC1H470J
C182	ECJ1VB1H681K	50V 680P	1	
C183	ECUV1H470JCV	50V 47P	1	ECJ1VC1H470J
C184	ECJ1VB1H681K	50V 680P	1	
C185	ECUV1H470JCV	50V 47P	1	ECJ1VC1H470J
C186	FIH1H104A783	50V 0.1U	1	
C187-92	ECUV1H471KVB	50V 470P	6	FIH1H471A013
C193	ECJ1VB1C104K	16V 0.1U	1	
C194,95	FIH1A105A028	10V 1U	2	
C196-98	ECUV1H331KVB	50V 330P	3	ECJ1VB1H331K
C199	ECJ1VB1H102K	50V 1000P	1	
C201-04	ECUV1H331KVB	50V 330P	4	ECJ1VB1H331K
C205,06	ECUV1H330JCV	50V 33P	2	ECJ1VC1H330J
C207,08	ECBA1HKA4R7	50V 4.7U	2	
C209,10	ECUVNH103KBV	50V 0.01U	2	FIH1H103A748
C211-13	ECUV1H470JCV	50V 47P	3	ECJ1VC1H470J
C214,15	ECJ1VB1C104K	16V 0.1U	2	
C301-06	ECUV1H101JCV	50V 100P	6	ECJ1VC1H101J
C307-09	ECJ1VB0J105K	6.3V 1U	3	
C310	ECA1CAK220XB	16V 22U	1	
C311,12	ECST1AY475R	10V 4.7U	2	
C313,14	ECUV1H101JCV	50V 100P	2	ECJ1VC1H101J
C315,16	FIH1H220A230	50V 22P	2	
C317,18	ECUVNH103KBV	50V 0.01U	2	FIH1H103A748
C319,20	ECJ1VB1H102K	50V 1000P	2	
C321,22	ECA1CAK100XB	16V 10U	2	
C323-26	ECUVNC683KBV	16V 0.068U	4	FIH1C683A001
C327,28	ECUV1H101JCV	50V 100P	2	ECJ1VC1H101J
C329	ECUV1H471KVB	50V 470P	1	FIH1H471A013
C330	ECUV1H101JCV	50V 100P	1	ECJ1VC1H101J
C331,32	ECA1CAK220XB	16V 22U	2	
C333,34	ECUVNH103KBV	50V 0.01U	2	FIH1H103A748
C335	RCE1AKA330BG	10V 33U	1	F2A1A330A011
C336,37	FIH1H333A783	50V 0.033U	2	
C338	ECUVNA154KBV	10V 0.15U	1	FIH1A154A028
C339	ECUV1E273KBV	25V 0.027U	1	
C340	ECUVNC683KBV	16V 0.068U	1	FIH1C683A001
C342,43	ECST1CY105	16V 1U	2	
C344	ECUV1H101JCV	50V 100P	1	ECJ1VC1H101J
C345	FIH1H220A230	50V 22P	1	
C346	ECJ1VB1C104K	16V 0.1U	1	
C347	FIH1H220A230	50V 22P	1	
C348	ECUV1H101JCV	50V 100P	1	ECJ1VC1H101J
C349,50	ECUVNH103KBV	50V 0.01U	2	FIH1H103A748
C351,52	ECUV1H101JCV	50V 100P	2	ECJ1VC1H101J
C353	FIH1H220A230	50V 22P	1	
C355	FIH1H220A230	50V 22P	1	
C356-58	ECJ1VB1C104K	16V 0.1U	3	
C359	ECA1CAK100XB	16V 10U	1	
C361-63	ECA1CAK100XB	16V 10U	3	
C365	ECST1CY225R	16V 2.2U	1	
C367	ECA1CAK100XB	16V 10U	1	
C368	ECBA1HKA4R7	50V 4.7U	1	
C370	ECBA1HKA4R7	50V 4.7U	1	
C371	ECST1AY106R	10V 10U	1	
C378	ECBA1HKA4R7	50V 4.7U	1	
C379	ECJ1VB1H822K	50V 8200P	1	
C380	ECJ1VB1H472K	50V 4700P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C454	ECA0JAK221XH	6.3V 220U	1	
C456	ECBA1CKN220B	16V 22U	1	
C457	ECBA1HKNR47B	50V 0.47U	1	
C458,59	ECUVNH103KBV	50V 0.01U	2	FIH1H103A748
C501,02	ECJ1VB0J105K	6.3V 1U	2	
C504	ECJ1VB1C104K	16V 0.1U	1	
C505	ECUV1H101JCV	50V 100P	1	ECJ1VC1H101J
C506	ECA1CAK100XB	16V 10U	1	
C507	ECUV1H221KVB	50V 220P	1	ECJ1VB1H221K
C508	ECA1CAK100XB	16V 10U	1	
C511	ECA1CAK100XB	16V 10U	1	
C512	ECJ1VB0J105K	6.3V 1U	1	
C514	RCE1HKA3R3BG	50V 3.3U	1	F2A1H3R3A015
C515	ECA1CAK100XB	16V 10U	1	
C516	ECUV1H221KVB	50V 220P	1	ECJ1VB1H221K
C517	ECJ1VB0J105K	6.3V 1U	1	
C519	ECUV1H101JCV	50V 100P	1	ECJ1VC1H101J
C520	ECA1CAK100XB	16V 10U	1	
C522	ECUV1H470JCV	50V 47P	1	ECJ1VC1H470J
C525	RCE1HKA3R3BG	50V 3.3U	1	F2A1H3R3A015
C527	ECUVNH103KBV	50V 0.01U	1	FIH1H103A748
C528	ECJ1VB1C104K	16V 0.1U	1	
C531	ECA1HAK2R2XB	50V 2.2U	1	
C541	ECJ1VB1H102K	50V 1000P	1	
C542	ECA1CAK100XB	16V 10U	1	
C543	ECUV1H331KVB	50V 330P	1	ECJ1VB1H331K
C544	ECEA0JKS470	6.3V 47U	1	
C545	ECJ1VB1H561K	50V 560P	1	
C546	ECEA0JKS470	6.3V 47U	1	
C547	ECJ1VB1H102K	50V 1000P	1	
C548	ECUVNH103KBV	50V 0.01U	1	FIH1H103A748
C549,50	ECUV1H470JCV	50V 47P	2	ECJ1VC1H470J
C601	ECA0JAK101XB	6.3V 100U	1	
C602-05	ECA1HAK010XI	50V 1U	4	
C606,07	ECBA1HKA4R7	50V 4.7U	2	
C608	ECJ1VB0J105K	6.3V 1U	1	
C609	ECUVNH103KBV	50V 0.01U	1	FIH1H103A748
C610	ECJ1VC1H050C	50V 5P	1	
C611	ECJ1VB1E223K	25V 0.022U	1	
C612	ECJ1VC1H120J	50V 12P	1	
C613	ECJ1VB0J105K	6.3V 1U	1	
C614	ECUVNH103KBV	50V 0.01U	1	FIH1H103A748
C615	ECA0JAK101XB	6.3V 100U	1	
C616	ECJ1VB1C104K	16V 0.1U	1	
C617	ECJ1VB1H222K	50V 2200P	1	
C618,19	ECA1CAK100XB	16V 10U	2	
C620	ECUVNH103KBV	50V 0.01U	1	FIH1H103A748
C621	ECJ1VB0J105K	6.3V 1U	1	
C622	ECJ1VB1H222K	50V 2200P	1	
C623	ECJ1VB1E223K	25V 0.022U	1	
C624	ECJ1VB1C104K	16V 0.1U	1	
C625	ECUVNH103KBV	50V 0.01U	1	FIH1H103A748
C626	ECA1AAK221XH	10V 220U	1	
C628	ECA0JAK101XB	6.3V 100U	1	
C629	ECEA0JKS470	6.3V 47U	1	
C630	ECJ1VB0J105K	6.3V 1U	1	
C631	ECA0JAK101XB	6.3V 100U	1	
C632	ECUVNH103KBV	50V 0.01U	1	FIH1H103A748
C633	ECJ1VB0J105K	6.3V 1U	1	
C635	ECJ1VB0J105K	6.3V 1U	1	
C637	ECUVNH103KBV	50V 0.01U	1	FIH1H103A748
C639,40	ECJ1VB1H222K	50V 2200P	2	
C641	ECJ1VB0J105K	6.3V 1U	1	
C643,44	ECJ1VB0J105K	6.3V 1U	2	
C646,47	ECA1HAK010XI	50V 1U	2	
C648	ECJ1VB1C104K	16V 0.1U	1	
C701	ECKWRS102MBC	250V 1000P	1	△
C702	ECUVNH103KBV	50V 0.01U	1	FIH1H103A748
C704	ECBA1HKA4R7	50V 4.7U	1	
C705	ECUVNH103KBV	50V 0.01U	1	FIH1H103A748
C706	RCE1AKA470BG	10V 47U	1	F2A1A470A011
C707	ECUVNH103KBV	50V 0.01U	1	FIH1H103A748
C708	ECA1CAM102X	16V 1000U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C710	ECA1HAK100XB	50V 10U	1	
C711	ECA2AAM100XB	100V 10U	1	
C712	FLJ1H104A679	50V 0.1U	1	
C721	ECUVNA154KEV	10V 0.15U	1	F1H1A154A028
C722	ECUVNC473KEV	16V 0.047U	1	F1H1C473A071
C723	ECUVNH103KEV	50V 0.01U	1	F1H1H103A748
C724	ECUVNC473KEV	16V 0.047U	1	F1H1C473A071
C726	FLJ1H334A679	50V 0.33U	1	
C727	ECA1CAK100XB	16V 10U	1	
C728	ECA1EAM102XB	25V 1000U	1	
C730	ECA1EAM682XE	25V 6800U	1	
C731	ECA1HAM101XB	50V 100U	1	
C732	ECA1CAK101XB	16V 100U	1	
C733	FLJ1H334A679	50V 0.33U	1	
C735	FLJ1H104A679	50V 0.1U	1	
C736	ECA1EAM102XB	25V 1000U	1	
C739	FLJ1H104A679	50V 0.1U	1	
C740	ECSTLAY475R	10V 4.7U	1	
C742	F2A1C470A015	16V 47U	1	
C744	FLJ1H104A679	50V 0.1U	1	
C745,46	ECQE1104KFP3	100V 0.1U	2	
C747	ECJ1VB1H102K	50V 1000P	1	
C748	FLJ1H104A679	50V 0.1U	1	
C749	ECJ3YB1E105K	25V 1U	1	
C750	ECES1V472T	35V 4700U	1	
C751	FLJ1H104A679	50V 0.1U	1	
C752	ECUVNH103KEV	50V 0.01U	1	F1H1H103A748
C753	ECA1CAK470XB	16V 47U	1	
C754	FLJ1H104A679	50V 0.1U	1	
C755	ECJ3YB1E105K	25V 1U	1	
C756	FLJ1H104A679	50V 0.1U	1	
C757	RCE1VKA100BG	35V 10U	1	F2A1V1000011
C761,62	FLJ1H104A679	50V 0.1U	2	
C763	ECUVNH103KEV	50V 0.01U	1	F1H1H103A748
C901-04	ECA1EAK220XB	25V 22U	4	
C905	ECSTLAY475R	10V 4.7U	1	
C906	ECUVNH103KEV	50V 0.01U	1	F1H1H103A748
C907	ECJ1VB1C104K	16V 0.1U	1	
C908	ECUVNH103KEV	50V 0.01U	1	F1H1H103A748
C909	EEAFC0J101B	6.3V 100U	1	
C910	ECUV1H390KUV	50V 39P	1	ECJ1VU1H390K
C911	ECUVNH103KEV	50V 0.01U	1	F1H1H103A748
C912-14	ECUV1H560KCV	50V 56P	3	ECJ1VC1H560K
C916	ECUVNH103KEV	50V 0.01U	1	F1H1H103A748
C917,18	F1H1H473A783	50V 0.047U	2	
C920	ECJ1VB1C104K	16V 0.1U	1	
C941,42	ECUV1H221KEV	50V 220P	2	ECJ1VB1H221K
C943,44	ECJ1VB1C104K	16V 0.1U	2	
C947	ECJ1VB1C104K	16V 0.1U	1	
C948	ECJ1VB1E223K	25V 0.022U	1	
C949	ECJ1VB1H102K	50V 1000P	1	
C950	ECA1AAM102XB	10V 1000U	1	
C951	ECJ1VB1C104K	16V 0.1U	1	
C952	RCE1HKA3R3BG	50V 3.3U	1	F2A1H3R3A015
C953	ECUVNH103KEV	50V 0.01U	1	F1H1H103A748
C954	ECUV1H221KEV	50V 220P	1	ECJ1VB1H221K
C955	ECUVNH103KEV	50V 0.01U	1	F1H1H103A748
C956	ECUV1H221KEV	50V 220P	1	ECJ1VB1H221K
C957	ECSTLAY106R	10V 10U	1	
C1001-12	ECJ1VB1H102K	50V 1000P	12	
C1013-16	F1H1H104A783	50V 0.1U	4	
C1020-31	F1H1H104A783	50V 0.1U	12	
C1040-45	FLJ1H104A679	50V 0.1U	6	
CN101	K1KA02A00104	CONNECTOR (3P)	1	
CN102	RJS1A6825	CONNECTOR (25P)	1	K1MN25A00006
CN301	RJT065K20	SYSTEM CONNECTOR (20P)	1	K1FA220B00006
CN451	K1KA02A00008	CONNECTOR (2P)	1	
CN702	RJU100W07	CONNECTOR (7P)	1	K1KB07A00018
CN703-10	RJS1A1101T1	CONNECTOR (1P)	8	
CN712-15	RJS1A1101T1	CONNECTOR (1P)	4	
CN720	RJS1A6825	CONNECTOR (25P)	1	K1MN25A00006

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
CN901	K1MN12A00047	CONNECTOR (12P)	1	
CN901A	K1MN12B00095	CONNECTOR (12P)	1	
CN902	K1MN10A00052	CONNECTOR (10P)	1	
CN902A	K1MN10B00088	CONNECTOR (10P)	1	
CN904	K1KA07B00051	CONNECTOR (7P)	1	
CP301	K1KA11A00093	CONNECTOR (11P)	1	
CP702	RJT100W07	CONNECTOR (7P)	1	K1KA07A00082
D001-04	B0ACCK000005	DIODE	4	
D051,52	MA8120M	DIODE	2	MAZ81200M
D301-04	MA2J11100L	DIODE	4	
D451	MA2J11100L	DIODE	1	
D453	MA2J11100L	DIODE	1	
D456	MA2J11100L	DIODE	1	
D457	B0AAMM000009	DIODE	1	
D501	MAZ80510LL	DIODE	1	
D541	MAZ80510ML	DIODE	1	
D701-05	B0AAMM000009	DIODE	5	
D708	MAZ80680LL	DIODE	1	
D709	MA2J11100L	DIODE	1	
D710	1SS380TE-17	DIODE	1	
D711-15	B0AAMM000009	DIODE	5	
D722	MA8043M	DIODE	1	MAZ80430M
D725	MA143TX	DIODE	1	MA3J14300L
D727	MAZ83000HL	DIODE	1	
D728	B0AAMM000009	DIODE	1	
D729,30	MA2J11100L	DIODE	2	
D731	MAZ80910HL	DIODE	1	
D732	MA8082M	DIODE	1	MAZ80820M
D733	B0FBAP000001	DIODE	1	
D734	B0AAMM000009	DIODE	1	
D735	B0FBAP000001	DIODE	1	
D736	MA8068M	DIODE	1	MAZ80680M
D737	MA2J11100L	DIODE	1	
D738	B0FFAC000001	DIODE	1	
D740	B0AAMM000009	DIODE	1	
D751-54	MA2J11100L	DIODE	4	
D756	MA2J11100L	DIODE	1	
D757	MA8068M	DIODE	1	MAZ80680M
D901,02	MA2J11100L	DIODE	2	
D903,04	SEL85923C	LED	2	B3ADA0000083
D905	B3AGA0000079	LED	1	
D906	MAZ80510LL	DIODE	1	
D941	1SS380TE-17	DIODE	1	
D945	MA2J11100L	DIODE	1	
D946	1SS380TE-17	DIODE	1	
D947,48	MA2J11100L	DIODE	2	
D949	MAZ80510LL	DIODE	1	
D950	MA2J11100L	DIODE	1	
D1020-31	MAZ80510LL	DIODE	12	
F1	K5D122BL0002	FUSE	1	△
FL901	A2BC00000048	FL DISPLAY	1	
FP701	K5G502AA0002	FUSE PROTECTOR	1	△
IC001-06	C0ZBZ0000666	IC	6	
IC007	AHCT1G08DBV	IC	1	C0JBAB000351
IC011-13	C0ZBZ0000650	IC	3	
IC014-16	C0JBAB0001870	IC	3	
IC017	C0JBAB000153	IC	1	
IC018,19	C0JBAB000423	IC	2	
IC020	C0JBAB000162	IC	1	
IC022,23	C0FBAJ000009	IC	2	
IC024	C0FBAK000008	IC	1	
IC051	C0DAZZC00003	IC	1	
IC201	NJU7313AMT2	IC	1	C0JZAS000002
IC202	NJM4558MTE1	IC	1	C0ABBB000109
IC301	C0JBAB000292	IC	1	
IC302	M62456FPE1	IC	1	C1BBE0000389
IC303,04	NJM4558MTE1	IC	2	C0ABBB000109

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC305	M5218AP	IC	1	C0AABB000055
IC501	M62444FPE1	IC	1	CLBB00000386
IC541	CLBB00000527	IC	1	
IC601	C2HBZC000013	IC	1	
IC722	C0CBADE00034	IC	1	
IC723	C0CBADE00031	IC	1	
IC725	C0CBAHE00002	IC	1	
IC726	C0CBADE00034	IC	1	
IC727	C0CBABC00119	IC	1	
IC728	C0CBAKE00004	IC	1	
IC729	C0CBAKE00003	IC	1	
IC901	C0HBB0000030	IC	1	
IC941	C2CBHG000118	IC	1	
IC942	C3EBCG000086	IC	1	
JK101	K1FA612B0002	JK, SPEAKERS	1	
JK301	K2HA311B0004	JK, VCR/TV IN	1	
JK701	K2AA2B000004	JK, AC IN	1	△
JK901	K2HC103A0023	JK, HEADPHONE	1	
L101-12	G0A100K00003	COIL	12	
L541-43	J0JBC0000041	COIL	3	
L601	RLBV102V-Y	COIL	1	J0JBC0000014
L602	J0JCC0000077	COIL	1	
L603	RLBV102V-Y	COIL	1	J0JBC0000014
L604	G0A200D00002	COIL	1	
L701	J0MBA0000013	COIL	1	△
L721	J0JBC0000023	COIL	1	
L722	RLQB100JTD-D	COIL	1	G0C100JA0030
L941	RLBV102V-Y	COIL	1	J0JBC0000014
P1	SPP740-1	PROTECTION COVER	2	
P2	RPF0139-1	PROTECTION BAG (ACCESS.)	1	
P3	RPG6604	PACKING CASE	1	
P4	RPQ1284-1	PAD1	1	
P5	RPN1505-1	PAD2	2	
PCB1	REP3323M-M	MAIN PCB ASS'Y	1	[RTL] (EG) (E)
PCB1	REP3323N-M	MAIN PCB ASS'Y	1	[RTL] (EB)
PCB2	REP3326C-T	AMP PCB ASS'Y	1	[RTL]
PCB3	REP3348A-S	PANEL PCB ASS'Y	1	[RTL]
Q001	UNR511100L	TRANSISTOR	1	
Q002	XN0431100L	TRANSISTOR	1	
Q051	BLDEGL000004	TRANSISTOR	1	
Q301-05	B1GFGCA00001	TRANSISTOR	5	
Q306,07	UN5115TX	TRANSISTOR	2	UNR511500L
Q309,10	UN5115TX	TRANSISTOR	2	UNR511500L
Q311	BLABGC000001	TRANSISTOR	1	
Q314,15	UN5115TX	TRANSISTOR	2	UNR511500L
Q451	UN5211	TRANSISTOR	1	UNR5211
Q452	UN5115TX	TRANSISTOR	1	UNR511500L
Q453	2SD1819A0L	TRANSISTOR	1	
Q454	2SB12190WL	TRANSISTOR	1	
Q455	BLABGC000001	TRANSISTOR	1	
Q456	2SB1218A	TRANSISTOR	1	
Q701	BLABGC000001	TRANSISTOR	1	
Q702	UN5211	TRANSISTOR	1	UNR5211
Q704	2SC3940ARSTA	TRANSISTOR	1	2SC3940AHA
Q721	2SD1819A0L	TRANSISTOR	1	
Q722	BLBCAJ000003	TRANSISTOR	1	
Q724	BLBCAJ000003	TRANSISTOR	1	
Q726	2SB621A-R	TRANSISTOR	1	2SB0621AH
Q727	2SD1819A0L	TRANSISTOR	1	
Q729	2SA20570P	TRANSISTOR	1	
Q731	XN0450100L	TRANSISTOR	1	
Q733	2SA20570P	TRANSISTOR	1	
Q901	UN521MTX	TRANSISTOR	1	UNR521M00L
Q903	XN0450100L	TRANSISTOR	1	
Q904	UN521MTX	TRANSISTOR	1	UNR521M00L
Q941	UN5214TX	TRANSISTOR	1	UNR521400L
Q942	2SD1819A0L	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R001,02	ERJ3GEYJ1R0V	1/16W 1	2	
R003-06	ERJ8GEYJ1R5	1/8W 1.5	4	
R007-10	ERJ3GEYJ4R7V	1/16W 4.7	4	
R011,12	ERJ3GEYJ1R0V	1/16W 1	2	
R013-16	ERJ8GEYJ1R5	1/8W 1.5	4	
R017-20	ERJ3GEYJ4R7V	1/16W 4.7	4	
R021,22	ERJ3GEYJ1R0V	1/16W 1	2	
R023-26	ERJ8GEYJ1R5	1/8W 1.5	4	
R027-30	ERJ3GEYJ4R7V	1/16W 4.7	4	
R031-33	ERJ3GEYJ102V	1/16W 1K	3	
R034-36	ERJ3GEYJ222V	1/16W 2.2K	3	
R037	ERJ3GEYJ102V	1/16W 1K	1	
R038	ERJ3GEYJ222V	1/16W 2.2K	1	
R051	ERJ3GEYJ122	1/16W 1.2K	1	
R052	ERJ3GEYJ104	1/16W 100K	1	
R053	ERJ6RBD103V	10K	1	
R054	ERJ3RED224	1/16W 220K	1	
R055	ERJ3RBD102V	1/16W 1K	1	
R056,57	ERJ3GEYJ101	1/16W 100	2	D0GB101JA002
R058	ERJ3GEYJ122	1/16W 1.2K	1	
R101,02	ERJ6GEYJ100V	1/10W 10	2	
R103-06	ERJ3GEYJ133V	1/16W 13K	4	
R107,08	ERJ3GEYJ100	1/16W 10	2	
R111,12	ERJ6GEYJ100V	1/10W 10	2	
R113-16	ERJ3GEYJ133V	1/16W 13K	4	
R117,18	ERJ3GEYJ100	1/16W 10	2	
R121,22	ERJ6GEYJ100V	1/10W 10	2	
R123-26	ERJ3GEYJ133V	1/16W 13K	4	
R127,28	ERJ3GEYJ100	1/16W 10	2	
R129-31	ERJ6GEYJ220	1/16W 22	3	
R132	ERJ3GEYJ4R7V	1/16W 4.7	1	
R134	ERJ3GEYJ4R7V	1/16W 4.7	1	
R136	ERJ3GEY0R00V	1/16W 0	1	
R137	ERJ3GEYJ105V	1/16W 1M	1	
R138	ERJ3GEYJ102V	1/16W 1K	1	
R139	ERJ3GEYJ105V	1/16W 1M	1	
R140	ERJ3GEYJ102V	1/16W 1K	1	
R141-43	ERJ6GEYJ4R7V	1/16W 4.7	3	
R144	ERJ3GEYJ4R7V	1/16W 4.7	1	
R147-55	ERJ3GEYJ470V	1/16W 4.7	9	
R157-59	ERJ3GEYJ242V	1/16W 2.4K	3	
R161-66	ERJ3GEYJ102V	1/16W 1K	6	
R167	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R175-78	ERJ3GEYJ392V	1/16W 3.9K	4	
R179,80	ERJ3GEYJ102V	1/16W 1K	2	
R181-84	ERJ3GEYJ682V	1/16W 6.8K	4	D0GB682JA002
R188	ERJ3GEY0R00V	1/16W 0	1	
R190	ERJ3GEY0R00V	1/16W 0	1	
R201,02	ERJ3GEYJ222V	1/16W 2.2K	2	
R203,04	ERJ3GEYJ563V	1/16W 56K	2	
R205,06	ERJ3GEYJ273V	1/16W 27K	2	D0GB273JA002
R207,08	ERJ3GEYJ823V	1/16W 82K	2	D0GB823JA002
R209-14	ERJ3GEYJ222V	1/16W 2.2K	6	
R215,16	ERJ3GEYJ562V	1/16W 5.6K	2	D0GB562JA002
R217-19	ERJ3GEYJ472V	1/16W 4.7K	3	
R301,02	ERJ3GEYJ104	1/16W 100K	2	
R303,04	ERJ3GEYJ102V	1/16W 1K	2	
R305,06	ERJ3GEYJ123V	1/16W 12K	2	
R307,08	ERJ3GEYJ332V	1/16W 3.3K	2	D0GB332JA002
R309,10	ERJ3GEYJ123V	1/16W 12K	2	
R311,12	ERJ3GEYJ332V	1/16W 3.3K	2	D0GB332JA002
R313	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R314	ERJ3GEYJ102V	1/16W 1K	1	
R315	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R316	ERJ3GEYJ822V	1/16W 8.2K	1	D0GB822JA002
R321,22	ERJ3GEYJ223V	1/16W 22K	2	D0GB223JA002
R323,24	ERJ3GEYJ471V	1/16W 470	2	
R325,26	ERJ3GEYJ332V	1/16W 3.3K	2	D0GB332JA002
R327,28	ERJ3GEYJ390	1/16W 39	2	
R329,30	ERJ3GEY0R00V	1/16W 0	2	
R331,32	ERJ3GEYJ104	1/16W 100K	2	
R333,34	ERJ3GEYJ470V	1/16W 4.7	2	

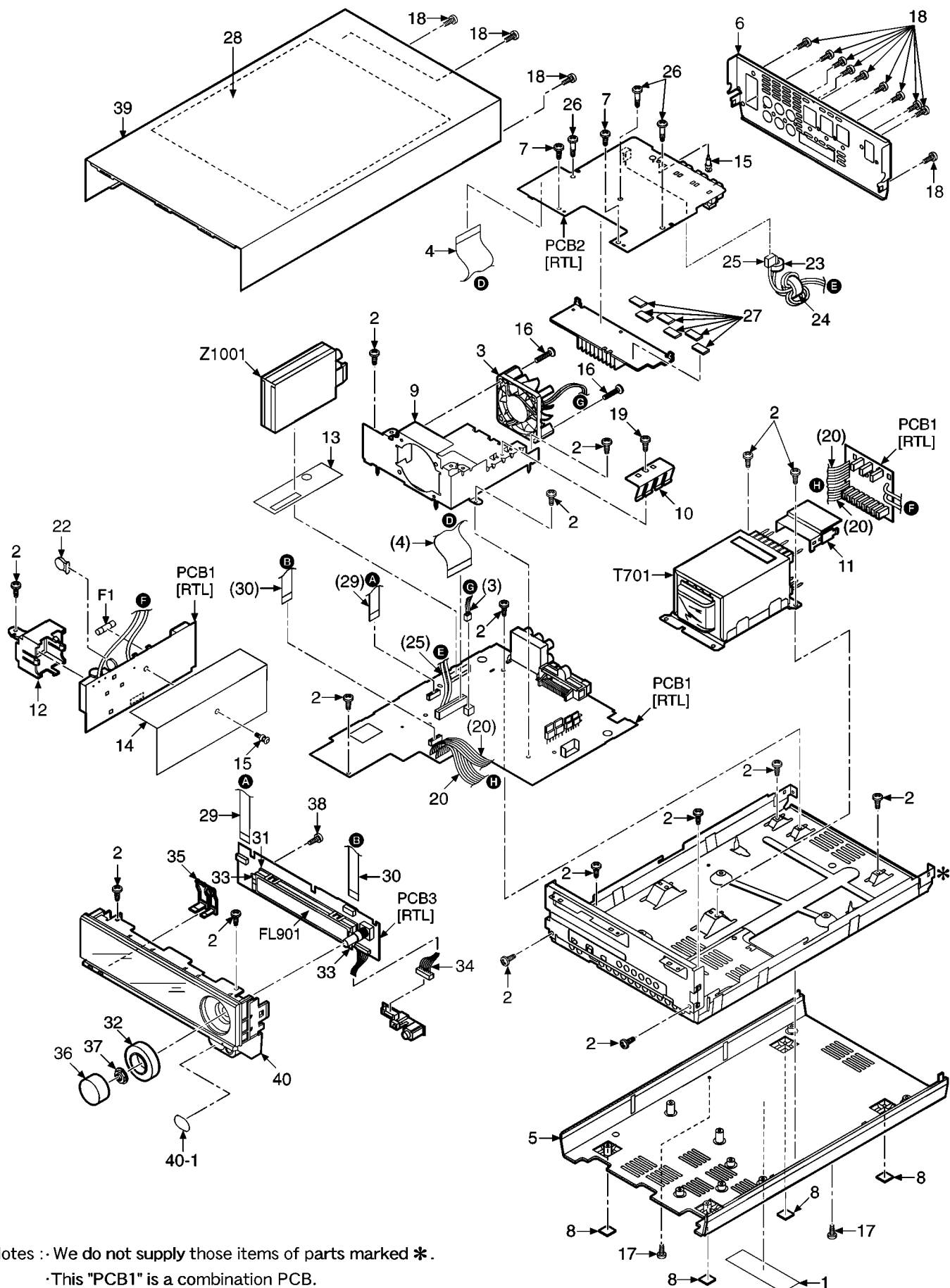
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R335,36	ERJ3GEYJ560V	1/16W 56	2	
R337,38	ERJ3GEYJ683V	1/16W 68K	2	D0GB683JA002
R339-41	ERJ3GEYJ822V	1/16W 8.2K	3	D0GB822JA002
R342	ERJ3GEYJ123V	1/16W 12K	1	
R343	ERJ3GEYJ274V	1/16W 270K	1	
R344	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R345	ERJ3GEYJ822V	1/16W 8.2K	1	D0GB822JA002
R346,47	ERJ3GEYJ333V	1/16W 33K	2	D0GB333JA002
R349	ERJ8GEYJ472V	1/8W 4.7K	1	
R350	ERJ3GEYJ472V	1/16W 4.7K	1	
R351,52	ERJ3GEYJ103V	1/16W 10K	2	D0GB103JA002
R353	ERJ3GEY0R00V	1/16W 0	1	
R355	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R356	ERJ3GEYJ272V	1/16W 2.7K	1	
R357	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R358	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R359	ERJ3GEYJ104	1/16W 100K	1	
R360	ERJ3GEYJ102V	1/16W 1K	1	
R362	ERJ3GEYJ272V	1/16W 2.7K	1	
R363	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R364	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R365	ERJ3GEYJ104	1/16W 100K	1	
R366	ERJ3GEYJ393V	1/16W 39K	1	D0GB393JA002
R367,68	ERJ3GEYJ102V	1/16W 1K	2	
R369	ERJ3GEYJ683V	1/16W 68K	1	D0GB683JA002
R370	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R371	ERJ3GEYJ104	1/16W 100K	1	
R372	ERJ3GEYJ152V	1/16W 1.5K	1	
R373	ERJ3GEYJ183V	1/16W 18K	1	D0GB183JA002
R374	ERJ3GEYJ104	1/16W 100K	1	
R375	ERJ3GEYJ272V	1/16W 2.7K	1	
R376	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R377	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R378	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R379	ERJ3GEYJ273V	1/16W 27K	1	D0GB273JA002
R382	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R383	ERJ3GEYJ393V	1/16W 39K	1	D0GB393JA002
R384-87	ERJ3GEYJ102V	1/16W 1K	4	
R389	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R390,91	ERJ3GEYJ102V	1/16W 1K	2	
R392	ERJ3GEYJ393V	1/16W 39K	1	D0GB393JA002
R393,94	ERJ3GEYJ332V	1/16W 3.3K	2	D0GB332JA002
R397	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R398	ERJ3GEYJ154V	1/16W 150K	1	
R399	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002
R400	ERJ3GEYJ102V	1/16W 1K	1	
R401	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R402	ERJ3GEYJ154V	1/16W 150K	1	
R404	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R405,06	ERJ3GEYJ333V	1/16W 33K	2	D0GB333JA002
R407,08	ERJ3GEYJ562V	1/16W 5.6K	2	D0GB562JA002
R409,10	ERJ3GEYJ392V	1/16W 3.9K	2	
R411,12	ERJ3GEYJ682V	1/16W 6.8K	2	D0GB682JA002
R413,14	ERJ3GEYJ822V	1/16W 8.2K	2	D0GB822JA002
R415,16	ERJ3GEYJ123V	1/16W 12K	2	
R417,18	ERJ3GEYJ272V	1/16W 2.7K	2	
R419	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R420	ERJ3GEYJ102V	1/16W 1K	1	
R421	ERJ3GEYJ104	1/16W 100K	1	
R422	ERJ3GEYJ222V	1/16W 2.2K	1	
R423	ERJ3GEYJ102V	1/16W 1K	1	
R424	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R425	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R426	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R427	ERJ3GEYJ472V	1/16W 4.7K	1	
R428	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R429	ERJ3GEYJ472V	1/16W 4.7K	1	
R430	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R441	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R442	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R451	ERJ3GEYJ472V	1/16W 4.7K	1	
R452	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002
R453,54	ERJ3GEYJ472V	1/16W 4.7K	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R465	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R466	ERJ3GEYJ683V	1/16W 68K	1	D0GB683JA002
R467	ERJ3GEYJ393V	1/16W 39K	1	D0GB393JA002
R468	ERGLSJ220	1W 22	1	
R471,72	ERJ3GEY0R00V	1/16W 0	2	
R502	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R503,04	ERJ3GEYJ104	1/16W 100K	2	
R506,07	ERJ3GEYJ123V	1/16W 12K	2	
R508	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R510	ERJ3GEY0R00V	1/16W 0	1	
R511	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R512	ERJ3GEYJ123V	1/16W 12K	1	
R515	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R516	ERJ3GEYJ123V	1/16W 12K	1	
R519	ERJ3GEYJ391V	1/16W 390	1	
R520,21	ERJ3GEYJ472V	1/16W 4.7K	2	
R523	ERJ3GEYJ472V	1/16W 4.7K	1	
R525,26	ERJ3GEYJ104	1/16W 100K	2	
R527	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R528-30	ERJ3GEYJ223V	1/16W 22K	3	D0GB223JA002
R541	ERJ3GEYJ121V	1/16W 120	1	
R542-45	ERJ3GEYJ102V	1/16W 1K	4	
R546	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002
R549	ERJ3GEYJ102V	1/16W 1K	1	
R601-04	ERJ3GEYJ102V	1/16W 1K	4	
R605	ERJ3GEYJ470V	1/16W 4.7	1	
R606	ERJ3GEYJ105V	1/16W 1M	1	
R607	ERJ3GEYJ221V	1/16W 220	1	
R608	ERJ3GEYJ331V	1/16W 330	1	
R609	ERJ3GEYJ271V	1/16W 270	1	
R610	ERJ3GEYJ122	1/16W 1.2K	1	
R611,12	ERJ3GEYJ331V	1/16W 330	2	
R613	ERJ3GEYJ271V	1/16W 270	1	
R614	ERJ3GEYJ122	1/16W 1.2K	1	
R615	ERJ3GEYJ104	1/16W 100K	1	
R616	ERJ3GEYJ472V	1/16W 4.7K	1	
R617,18	ERJ3GEYJ271V	1/16W 270	2	
R619,20	ERJ3GEYJ122	1/16W 1.2K	2	
R621,22	ERJ3GEYJ102V	1/16W 1K	2	
R702	ERJ3GEYJ392V	1/16W 3.9K	1	
R703	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R704-06	ERJ3GEYJ103V	1/16W 10K	3	D0GB103JA002
R708	ERJ3GEYJ272V	1/16W 2.7K	1	
R709,10	ERDS1FJ180	1/2W 18	2	
R711	ERJ3GEYJ151V	1/16W 150	1	
R712	ERQ16NKW2R2E	1/6W 2.2	1	
R713	ERDS1FJ471	1/2W 470	1	
R714	ERQ16NKW2R2E	1/6W 2.2	1	
R715	ERJ3GEY0R00V	1/16W 0	1	
R716	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002
R719	ERJ3GEY0R00V	1/16W 0	1	
R720	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R721	ERJ3GEYJ221V	1/16W 220	1	
R723	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R725	ERJ3GEYJ393V	1/16W 39K	1	D0GB393JA002
R727	ERJ3GEYJ333V	1/16W 33K	1	D0GB333JA002
R728	ERJ3GEYJ392V	1/16W 3.9K	1	
R729	ERJ3GEYJ472V	1/16W 4.7K	1	
R730	ERQ16NKW2R2E	1/6W 2.2	1	
R731	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R732	ERJ3GEYJ222V	1/16W 2.2K	1	
R733	ERDS1FJ471	1/2W 470	1	
R737	ERJ3GEYJ102V	1/16W 1K	1	
R738,39	ERX1SJR47	1W 0.47	2	
R740	ERJ3GEYJ102V	1/16W 1K	1	
R741	ERJ3GEYJ471V	1/16W 470	1	
R745	ERJ3GEY0R00V	1/16W 0	1	
R747	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002
R829,30	ERJ3GEYJ104	1/16W 100K	2	
R839	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002
R851	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002
R852,53	ERJ3GEYJ472V	1/16W 4.7K	2	
R854	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R855	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R856,57	ERJ3GEYJ472V	1/16W 4.7K	2	
R858	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R859	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R860	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002
R861	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R865,66	ERJ3GEY0R00V	1/16W 0	2	
R869-71	ERJ3GEYJ102V	1/16W 1K	3	
R872	ERJ3GEYJ472V	1/16W 4.7K	1	
R901	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R902-04	ERJ3GEYJ332V	1/16W 3.3K	3	D0GB332JA002
R905	ERJ3GEYJ273V	1/16W 27K	1	D0GB273JA002
R906-08	ERJ3GEYJ333V	1/16W 33K	3	D0GB333JA002
R909*1	ERJ3GEYJ102V	1/16W 1K	1	
R909*2	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R910	ERJ3GEYJ821V	1/16W 820	1	
R911*1	ERJ3GEYJ102V	1/16W 1K	1	
R911*2	ERJ3GEYJ271V	1/16W 270	1	
R912*1	ERJ3GEYJ102V	1/16W 1K	1	
R912*2	ERJ3GEYJ331V	1/16W 330	1	
R913	MCR03PZHJ561	1/16W 560	1	
R914	ERJ3GEYJ102V	1/16W 1K	1	
R917	ERJ3GEYJ151V	1/16W 150	1	
R918*1	ERJ3GEYJ102V	1/16W 1K	1	
R918*2	ERJ3GEYJ151V	1/16W 150	1	
R919*1	ERJ3GEYJ102V	1/16W 1K	1	
R919*2	ERJ3GEYJ104	1/16W 100K	1	
R920*1	ERJ3GEYJ222V	1/16W 2.2K	1	
R920*2	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R921	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R922*1	ERJ3GEYJ102V	1/16W 1K	1	
R922*2	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R923,24	ERJ3GEYJ102V	1/16W 1K	2	
R925	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R926,27	ERJ3GEYJ472V	1/16W 4.7K	2	
R928	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R929,30	ERJ3GEYJ102V	1/16W 1K	2	
R931	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R932	ERJ3GEYJ102V	1/16W 1K	1	
R933-36	ERJ3GEYJ223V	1/16W 22K	3	D0GB223JA002
R937	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002
R938	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R939	ERJ8GEYJ103V	1/8W 0	1	
R941,42	ERJ3GEYJ223V	1/16W 22K	2	D0GB223JA002
R943	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R944,45	ERJ3GEYJ102V	1/16W 1K	2	
R947	ERJ3GEYJ104	1/16W 100K	1	
R950-61	ERJ3GEYJ102V	1/16W 1K	12	
R962-64	ERJ3GEYJ681V	1/16W 680	3	D0GB681JA002
R966	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R967	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002
R968-70	ERJ3GEYJ101	1/16W 100	3	D0GB101JA002
R971	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002
R972	ERJ3GEYJ222V	1/16W 2.2K	1	
R973	ERJ3GEYJ824V	1/16W 820K	1	D0GB824JA002
R974,75	ERJ3GEYJ103V	1/16W 10K	2	D0GB103JA002
R977	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R978,79	ERJ3GEYJ103V	1/16W 10K	2	D0GB103JA002
R980	ERJ3GEYJ472V	1/16W 4.7K	1	
R981	ERJ3GEYJ104	1/16W 100K	1	
R982	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R983	ERJ3GEYJ472V	1/16W 4.7K	1	
R984	MCR03PZHJ561	1/16W 560	1	
R987	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R988	ERJ3GEYJ102V	1/16W 1K	1	
R989	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R990	ERJ3GEYJ102V	1/16W 1K	1	
R991	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R992	ERJ3GEYJ104	1/16W 100K	1	
R993	ERJ3GEYJ101	1/16W 100	1	D0GB101JA002
R994	ERJ3GEYJ472V	1/16W 4.7K	1	
R995,96	ERJ3GEYJ102V	1/16W 1K	2	
R997	ERJ3GEYJ103V	1/16W 10K	1	D0GB103JA002

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R998	ERJ3GEYD153V	1/16W 15K	1	D0HB153ZA002
R999	ERJ3GEYJ104	1/16W 100K	1	
R1020-31	ERJ3GEYJ1R0V	1/16W 1	12	
RJ001	ERJ3GEY0R00V	1/16W 0	1	
RJ1,02	ERJ3GEY0R00V	1/16W 0	2	
RJ2,03	ERJ3GEY0R00V	1/16W 0	2	
RJ3-05	ERJ3GEY0R00V	1/16W 0	3	
RJ5,06	ERJ3GEY0R00V	1/16W 0	2	
RJ6,07	ERJ3GEY0R00V	1/16W 0	2	
RJ7,08	ERJ3GEY0R00V	1/16W 0	2	
RJ8	ERJ6GEY0R00V	1/10W 0	1	
RJ009	ERJ3GEY0R00V	1/16W 0	1	
RJ9	ERJ8GEY0R00V	1/8W 0	1	
RJ10	ERJ3GEY0R00V	1/16W 0	1	
RJ10-16	ERJ8GEY0R00V	1/8W 0	7	
RJ17,18	ERJ3GEY0R00V	1/16W 0	2	
RJ30-32	ERJ8GEY0R00V	1/8W 0	3	
RJ34-39	ERJ3GEY0R00V	1/16W 0	6	
RJ40-42	ERJ8GEY0R00V	1/8W 0	3	
RJ43,44	ERJ6GEY0R00V	1/10W 0	2	
RJ45-47	ERJ3GEY0R00V	1/16W 0	3	
RJ48	ERJ8GEY0R00V	1/8W 0	1	
RJ49	ERJ3GEY0R00V	1/16W 0	1	
RJ50	ERJ8GEY0R00V	1/8W 0	1	
RJ51,52	ERJ3GEY0R00V	1/16W 0	2	
RJ53	ERJ8GEY0R00V	1/8W 0	1	
RJ54,55	ERJ3GEY0R00V	1/16W 0	2	
RJ56	ERJ8GEY0R00V	1/8W 0	1	
RJ72-74	ERJ8GEY0R00V	1/8W 0	3	
RJ501-04	ERJ6GEY0R00V	1/10W 0	4	
RJ601	ERJ3GEY0R00Z	1/16W 0	1	
RL702	K6B1AEA00003	RELAY	1	△
S901,02	EVQPG05Q	SW, OPERATION	2	
T701	ETP59VVU61CA	POWER TRANSFORMER	1	△
T702	ETP28KBZ21JU	SUB POWER TRANSFORMER	1	△
VR901	EVEKC2F3024B	V.R., VOLUME	1	
X131	H0H245500013	OSCILLATOR	1	
X132	H0H254500002	OSCILLATOR	1	
X541	H0H433400001	CRYSTAL	1	
X601	RSXZ36M8M01T	OSCILLATOR	1	
X942	H2B100500004	OSCILLATOR	1	
Z001	J0JBC0000015	COIL	1	
Z002,03	J0JCC0000119	COIL	2	
Z004-08	J0JBC0000015	COIL	5	
Z701	ERZV10V511CS	ZNR	1	△
Z901	B3RAD0000035	PHOTO SENSOR	1	
Z1001	ENG07701Q	TUNER PACK	1	

18 Cabinet Parts Location



Notes : We do not supply those items of parts marked *.

·This "PCB1" is a combination PCB.

19 Packaging

