AD0205100C1
A6

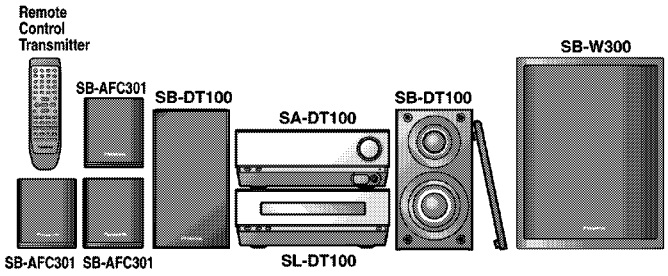
Service Manual

AV Control Receiver

SA-DT100PP

Colour

(S).....Silver Type



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

* : Made in Singapore.

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

Specifications

Amplifier section

Power output:

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

FTC power output (THD 1.0 %, 6 Ω);

FRONT (100 Hz - 39 kHz both channels driven)	2 x 28 W
SURROUND (100 Hz - 22 kHz both channels driven)	2 x 27 W
CENTER (100 Hz - 22 kHz)	35 W
SUBWOOFER (45 Hz - 120 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:	87.9 – 107.9 MHz (0.2 MHz steps) 87.5 – 108.0 MHz (0.1 MHz steps)
Antenna terminal(s):	75 Ω (unbalanced)

AM tuner section

Frequency range:	520 – 1710 kHz (10 kHz steps)

Timer section

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

Headphone

Jack type:	3.5 mm (1/8") stereo
Load impedance:	16 - 32 Ω

General

Power supply:	AC 120 V, 60 Hz
Power consumption:	92 W
Standby condition;	0.5 W
Dimensions (WxHxD):	190x73x360 mm (7 1/2"x2 7/8"x14 5/32")
Mass:	4.0 kg (8.82 lb.)

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

CONTENTS

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 60 Hz in NO SIGNAL mode should be shown below with respectto supply voltage 120 V.

Power supply voltage	AC 120 V
Consumed current 60 Hz	250 - 480 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 Safety Precaution

(This "Safety Precaution" is applied only in U.S.A..)

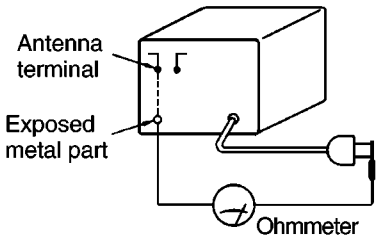
1. Before servicing, unplug the power cord to prevent an electric shock.
2. When replacing parts, use only manufacture's recommended components for safety.
3. Check the condition of the power cord. Replace if wear or damage is evident.
4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields etc..
5. Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.

3.1. Insulation resistance test

1. Unplug the power cord and short the two prongs of the plug with a jumper wire.
2. Turn on the power switch.
3. Measure the resistance value with ohmmeter between the jumpered AC plug and each exposed metal cabinet parts, such as screw heads antenna, control shafts, handle brackets, etc.. Equipment with antenna terminals should read between 3 MΩ -5.2 MΩ to all exposed parts. Refer to Fig. 3-1. Equipment without antenna terminals should read approximately infinity to all exposed parts. Refer to Fig. 3-2.

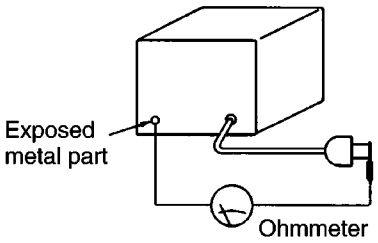
   Note:

   Some exposed parts may be isolated from the chassis by design. These will read infinity.
4. If the measurement is outside the specified limits, there is a possibility of a shock hazard. The equipment should be repaired and rechecked before it is returned to the customer.



Resistance = 3 MΩ — 5.2 MΩ

Fig. 3-1.

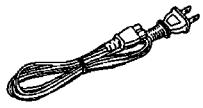


Resistance = Approx. ∞

Fig. 3-2.

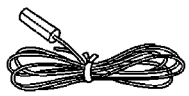
4 Accessories

- AC power supply cord
  (K2CB2CB00006).....1 pc.

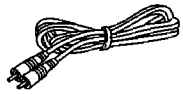


- AM loop antenna
  (REK0063).....1 pc.

- FM indoor antenna
  (RSA0007).....1 pc.

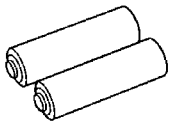


- Video cable
  (RJL1P019B15).....1 pc.

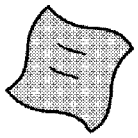


- Remote control
  (EUR7702KH0).....1 pc.

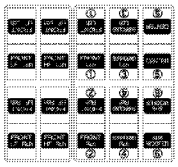
- Batteries for remote control
  (R6/LR6,"AA", UM-3).....2 pcs.
  Note: These are available on sales route.



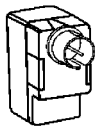
- Cleaning cloth for main unit
  (RFE0088-1).....1 pc.



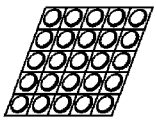
- Sheet of speaker-cord stickers
  (RQCA0950).....1 pc.



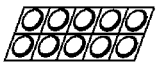
- Antenna plug
  (K2RC021B0001).....1 pc.



- Sheet of speaker feet*1
  (small, 25 feet).....1 pc.



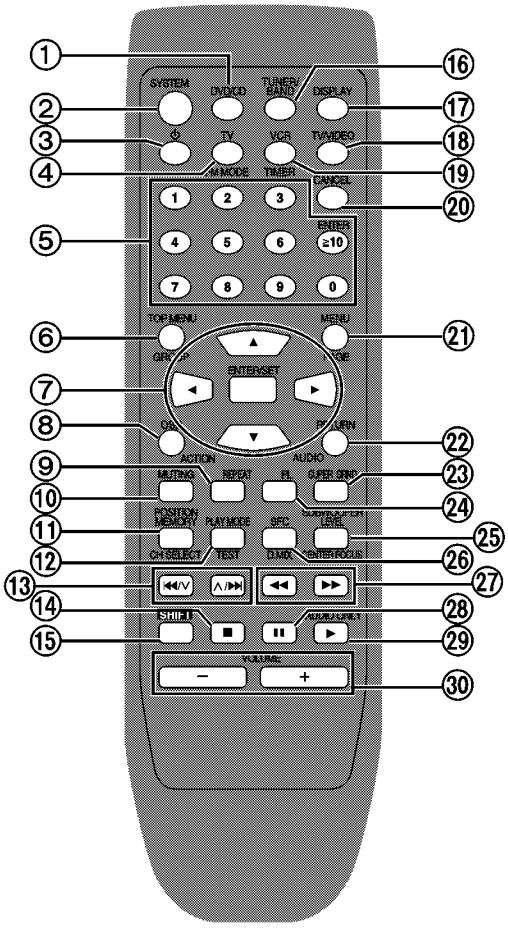
- Sheet of speaker feet*1
  (large, 10 feet).....1 pc.

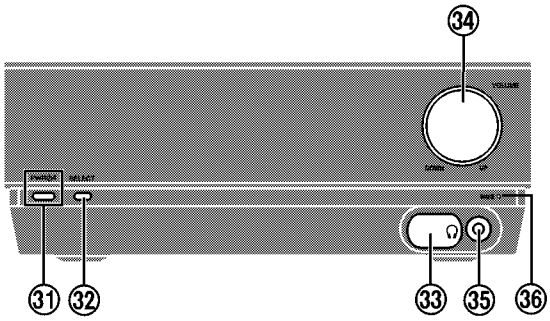


Note:

The accessories (indicated *1) are packed with SB-DT100.

5 Location of Controls





Remote control

① **DVD/CD button [DVD/CD]**
② **Power button [SYSTEM⏻]**
③ **Power button for other equipment [⏻]**
④ **TV+FM mode button [TV, FM MODE]**
⑤ **Numbered buttons [1–9, 0, ≧10, ENTER]**
⑥ **Top menu+Group button [TOP MENU, GROUP]**
⑦ **Cursor buttons [▲, ▼, ◄, ►] and Enter/Set button [ENTER/SET]**
⑧ **On-screen menu+Action menu button [OSD, ACTION]**
⑨ **Repeat+A-B Repeat button [REPEAT, A-B REPEAT]**
⑩ **Muting button [MUTING]**
⑪ **Position memory+Speaker channel select button [POSITION MEMORY, CH SELECT]**
⑫ **Play mode+Test button [PLAY MODE, TEST]**
⑬ **Skip, Channel select buttons [|◄◄/∨, ∧/►►|]**
⑭ **Stop button [■]**
⑮ **Shift button [SHIFT]**

> To use functions labeled in orange:
> While pressing [SHIFT], press the corresponding button (indicated with "+" in the instructions).

⑯ **Tuner/Band button [TUNER/BAND]**
⑰ **FL display button [DISPLAY]**
⑱ **TV/Video button [TV/VIDEO]**
⑲ **VCR+Timer button [VCR, TIMER]**
⑳ **Cancel button [CANCEL]**
㉑ **Menu+Page button [MENU, PAGE]**
㉒ **Return+Audio button [RETURN, AUDIO]**
㉓ **Super surround button [SUPER SRND]**
㉔ **Dolby Pro Logic button [DPL]**
㉕ **Subwoofer level+Center focus button [SUBWOOFER LEVEL, CENTER FOCUS]**
㉖ **Sound field control+Down mix button [SFC, D.MIX]**
㉗ **Slow/Search buttons [◄◄, ►►]**
㉘ **Pause button [❚❚]**
㉙ **Play+Audio only button [►, AUDIO ONLY]**
㉚ **Volume+TV Volume buttons [VOLUME, TV VOLUME, −, +]**

AV control receiver

㉛ **Standby/on switch [PWR⏻/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.
㉜ **Select button [SELECT]**
㉝ **Remote control signal sensor**
㉞ **Volume control [VOLUME, DOWN, UP]**
㉟ **Headphone jack [🎧]**
㊱ **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.

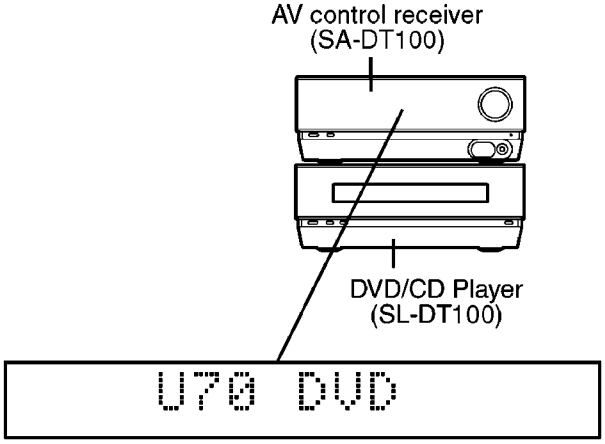


Fig. 6-1.

6.2. To return to the normal display

1. **For U70 DVD**
   - Press some operation buttons on the AV control receiver.
   - To re-display 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 re-display 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 the 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.

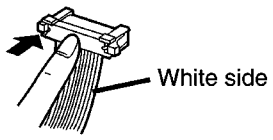


Fig. 6-2.

  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-DT100:

     IC941 (C2CBHG000095)

     SL-DT100:

     IC402 (C2BBFD000350)

     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.

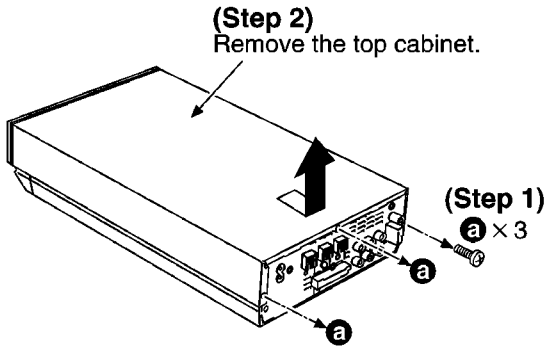
- **Correction procedure**

  Faulty AV control receiver (SA-DT100) power supply line or when a DC voltage is applied to speaker terminals. (Check and replace.)

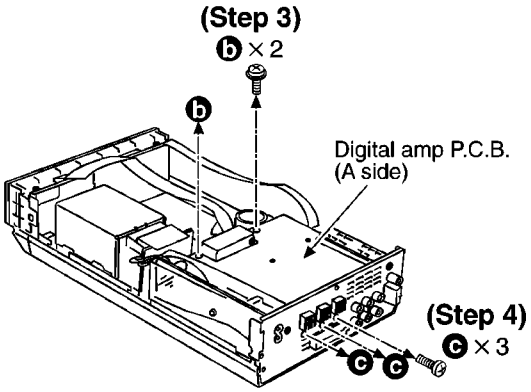
7 Operation Checks and Component Replacement Procedures

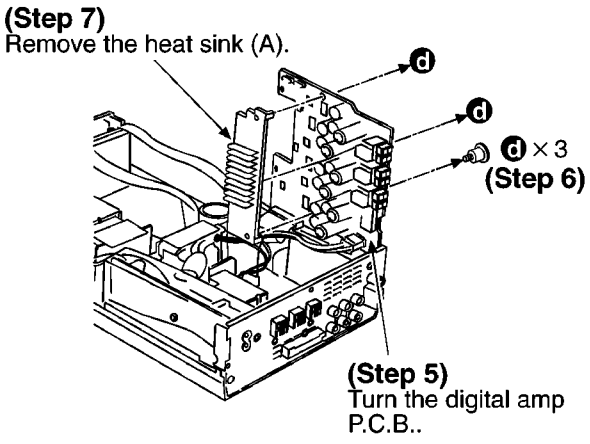
- **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
- **For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.**

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

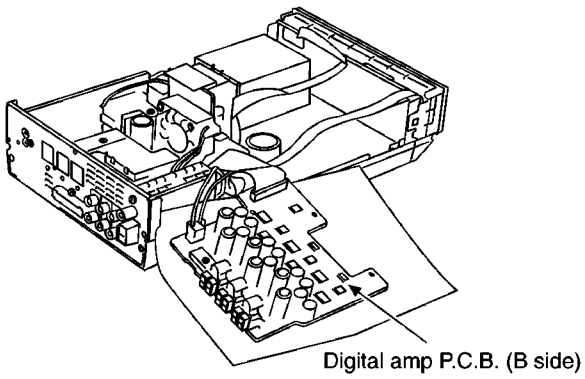


- **Check the digital amp P.C.B. (A side) as shown below.**



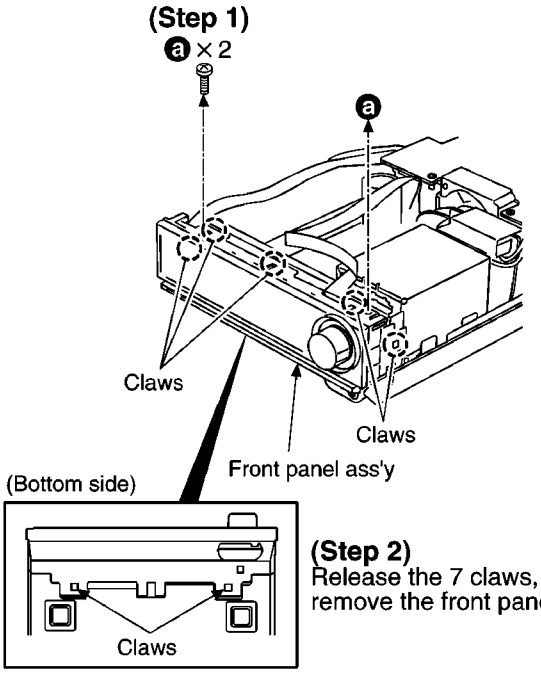


- **Check the digital amp P.C.B. (B side) as shown below.**

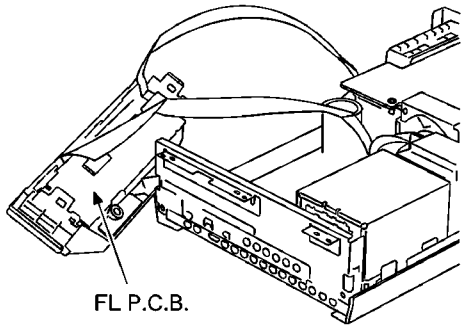


7.2. Checking for the FL P.C.B.

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



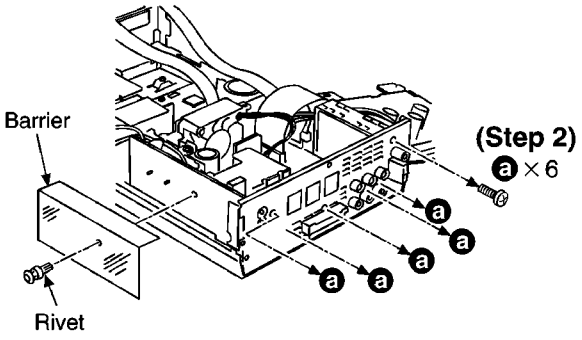
- **Check the FL P.C.B. as shown below.**

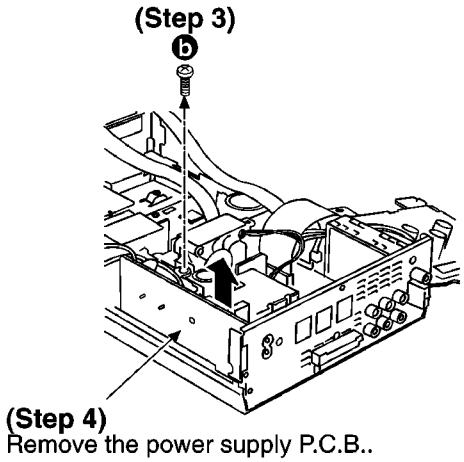


7.3. Checking for the main P.C.B.

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

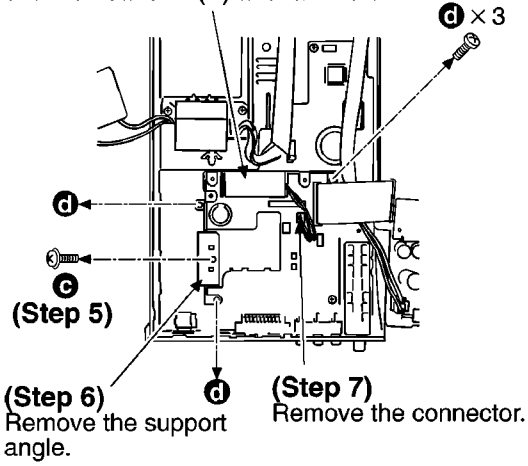
(Step 1)
Remove the rivet, and then remove the barrier.



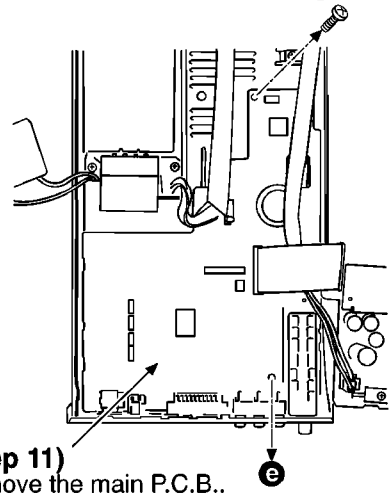


(Step 9)
Remove the heat sink (B) and fan motor.

(Step 8)
ⓓ×3

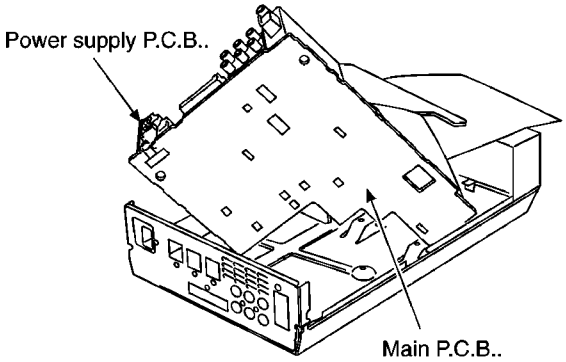


(Step 10)
ⓔ×2



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

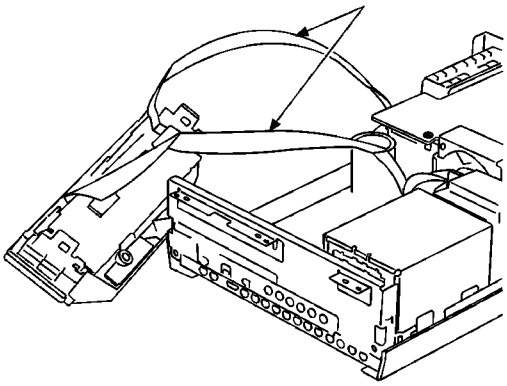
(Step 12)
Install the power supply P.C.B. to main P.C.B..



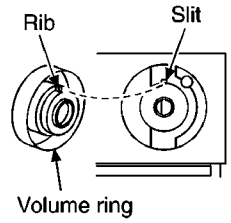
7.4. Replacement for the FL P.C.B., headphone P.C.B. and operation P.C.B.

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

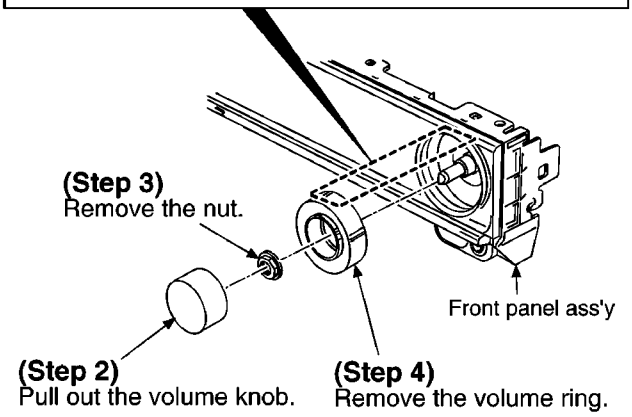
(Step 1)
Pull out the FFC.

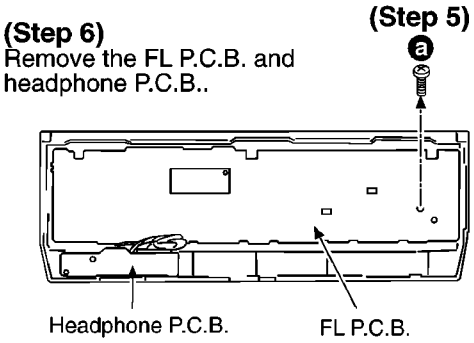


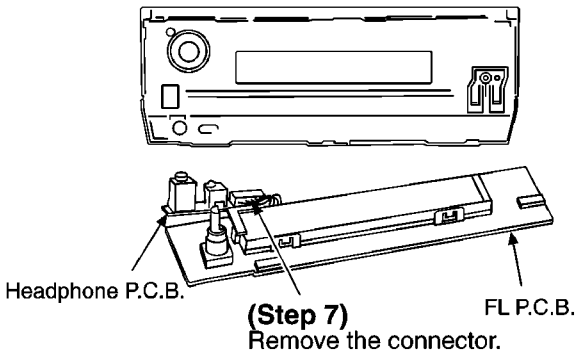
■ **Notice for installation of volume ring**



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

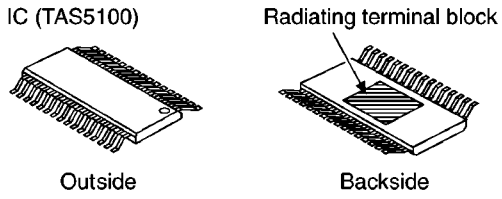




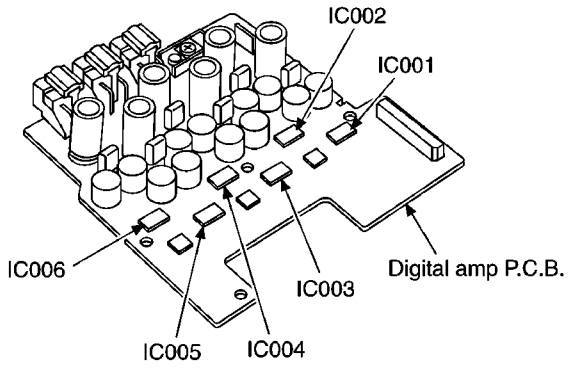


8 How to replace IC (TAS5100) with reading terminal block

- 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.

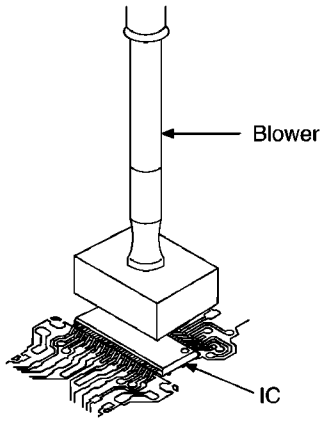


- IC001 - IC006 shown in the drawing below are ICs each equipped with a radiating terminal block.

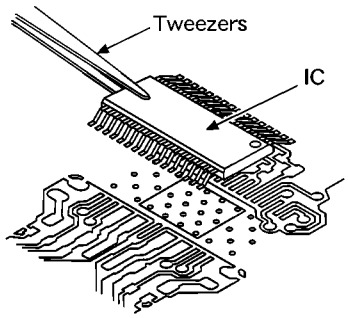


[Disassembly]

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

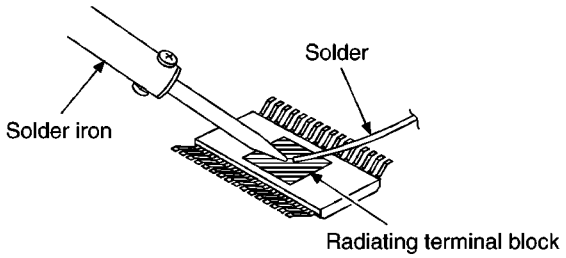


2. In about the 20 seconds, the legs of the IC begin fusing. Then remove the IC by use of a pair of tweezers.

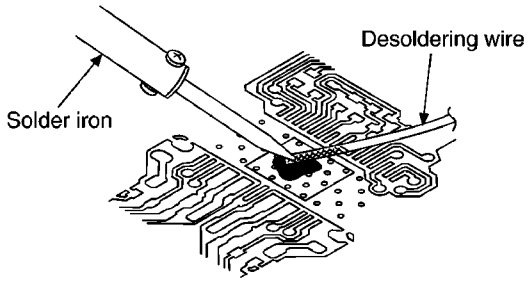


[Reassembly]

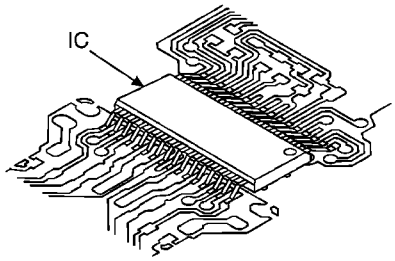
1. Put solder-paste thinly and evenly over the radiating plate on the bottom of a new IC for replacement.



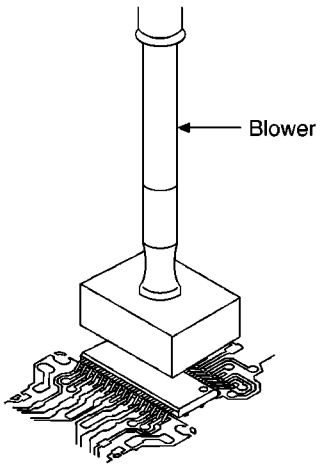
2. Clean out the former solder that has been sticking to the pattern part on the base plate.



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.

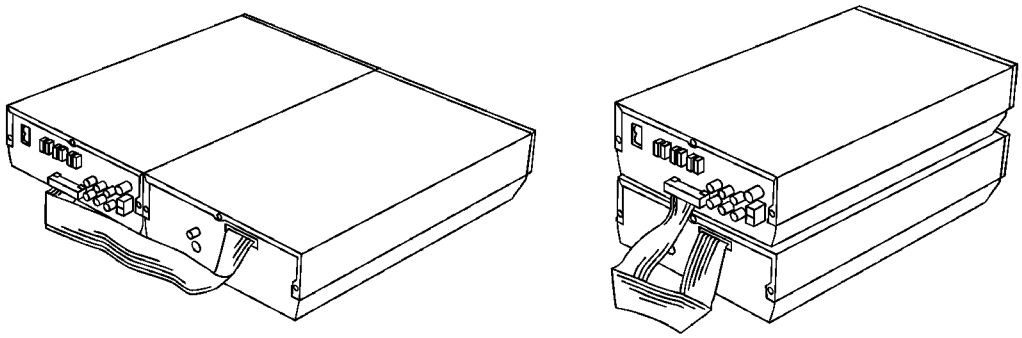


Fig. 9-1.

10 Schematic Diagram Notes

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

Notes:

S901:	Power standby/on switch (PWR ⏻/I)
S902:	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 theinternal impedance of the DC circuit tester.

  No mark : Power ON (FM or AM)

- Important safety notice:

  Components identified by ⚠ ; 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
  : AM signal line
  : AM OSC signal line
  : FM signal line
  : FM OSC 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.

For U.S.A.

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE 2.5 A 125 V FUSE.

RISK OF FIRE-REPLACE FUSE AS MARKED.

For Canada

FUSE CAUTION

This symbol located near the fuse indicates that the used is fast operating type. For continued protection against fire hazard, replace with same type fuse. For fuse rating, refer to the making adjacent to the symbol.

Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n' utiliser que des fusibles de même type. Ce dernier est indiqué là qù le présent symbole est apposé.

11 Schematic Diagram

SCHEMATIC DIAGRAM-1

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.

A FL CIRCUIT

B HEADPHONE CIRCUIT

C MAIN CIRCUIT

:NEGATIVE VOLTAGE LINE
:POSITIVE VOLTAGE LINE
:AUDIO SIGNAL LINE
:FM SIGNAL LINE
:AM SIGNAL LINE

SA-DT100(PP) FL,HEADPHONE,MAIN CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-2

C MAIN CIRCUIT

:NEGATIVE VOLTAGE LINE
:POSITIVE VOLTAGE LINE
:AUDIO SIGNAL LINE
:FM SIGNAL LINE
:AM SIGNAL LINE

To SL-DT100 (CN1)

To TUNER CIRUIT(CP301) on SCHEMATIC DIAGRAM-10/9-A

CN301 SYNC CD REQ CT.GND CS DC10V D.GND SCLK DATA AMP REQ V.GND SUB CNT AMP PWR MIX Rch IN MIX Lch IN FR IN A.GND FL IN SR IN SL IN

CP301 CL DO DI Lch IN CE Rch IN NC +B(2) SD NC T.GND

IC501 M62444FPE1 SOUND CONTROLLER (VOLUME CONT.)

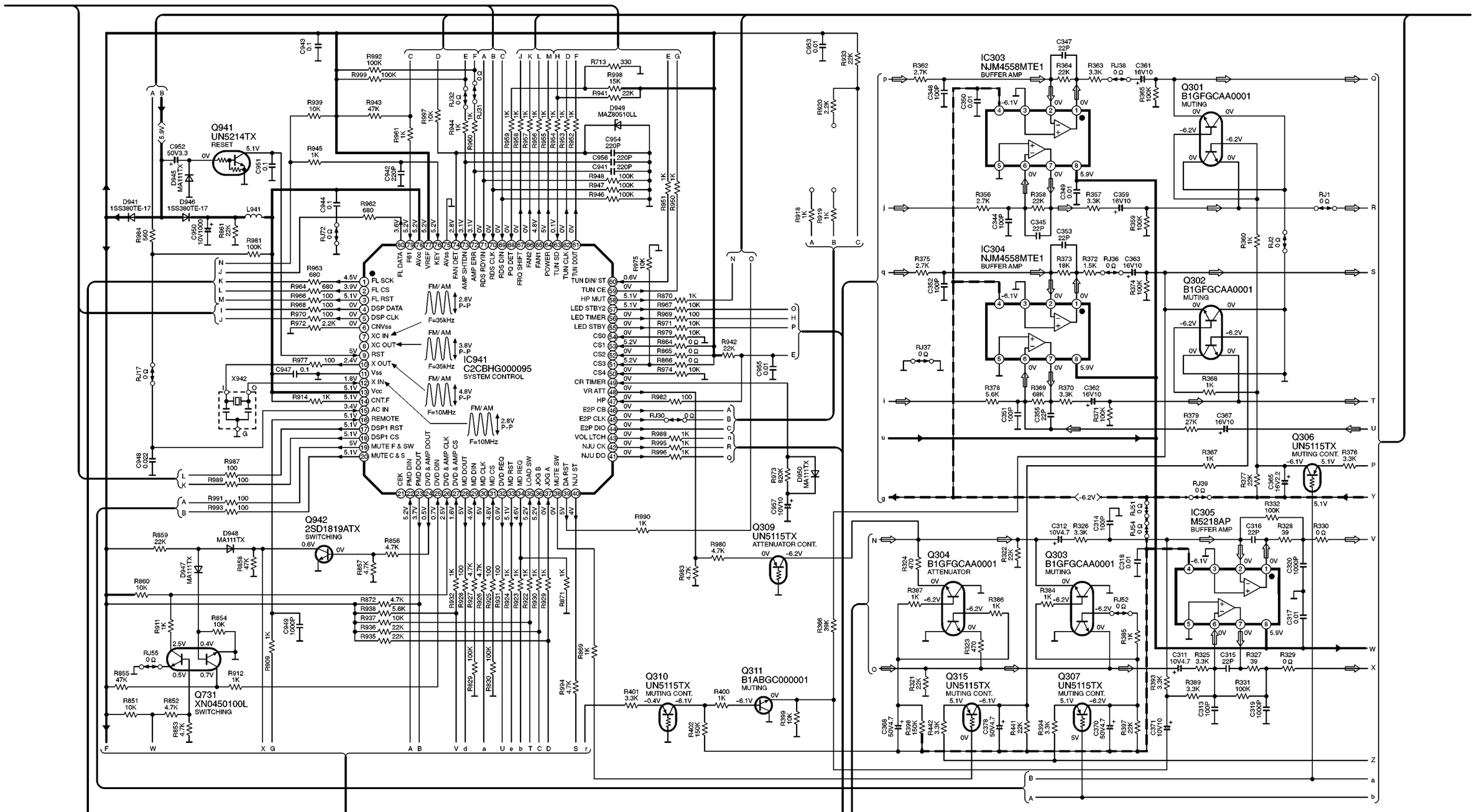
IC601 C2HBZC000013 DIGITAL SIGNAL PROCESSOR

IC301 BU4053BCFE2 SIGNAL SELECTOR

SA-DT100(PP) MAIN CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-3
C MAIN CIRCUIT

:POSITIVE VOLTAGE LINE — :NEGATIVE VOLTAGE LINE — :AUDIO SIGNAL LINE

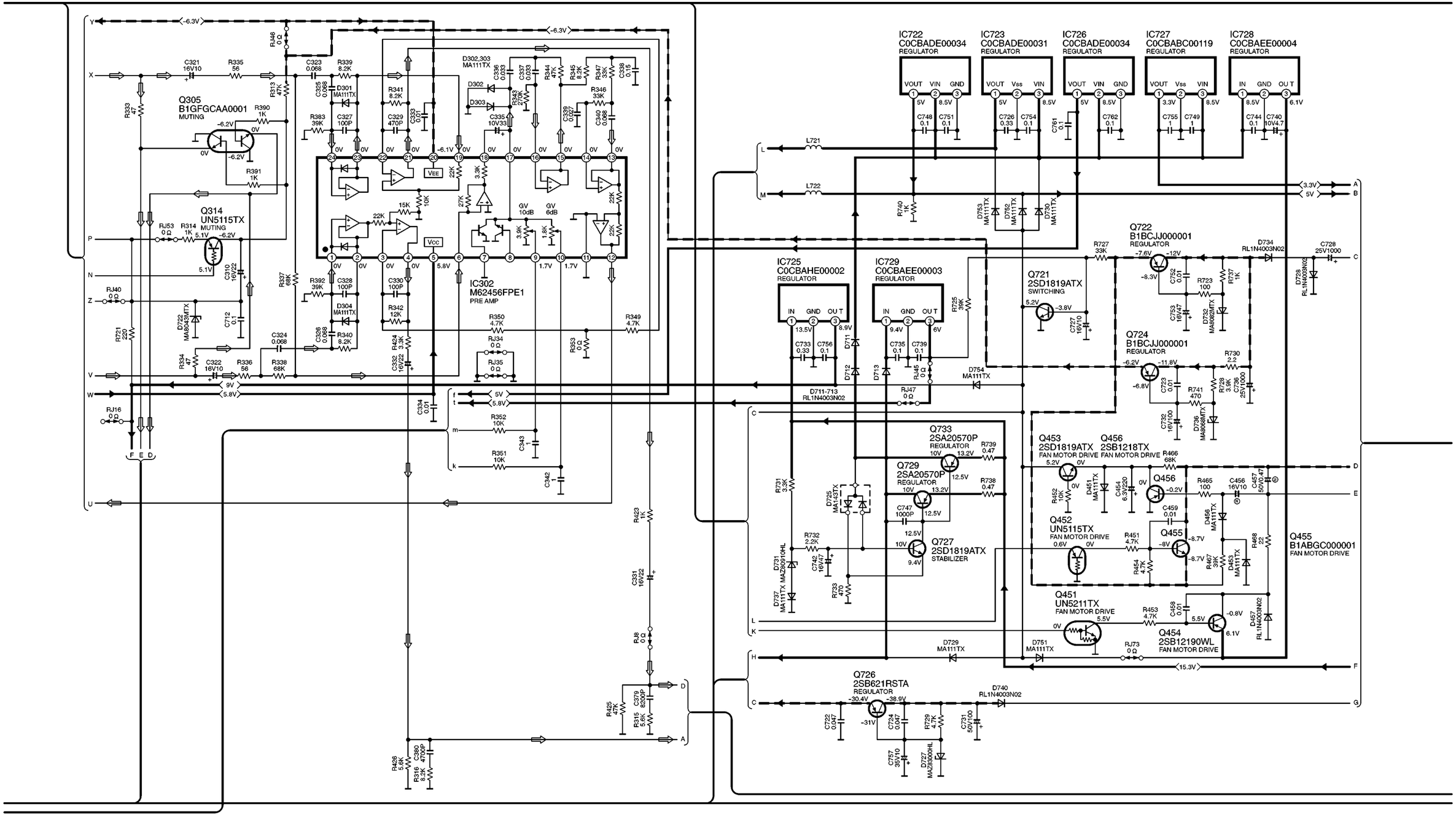


SA-DT100(PP) MAIN CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-4

C MAIN CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL LINE



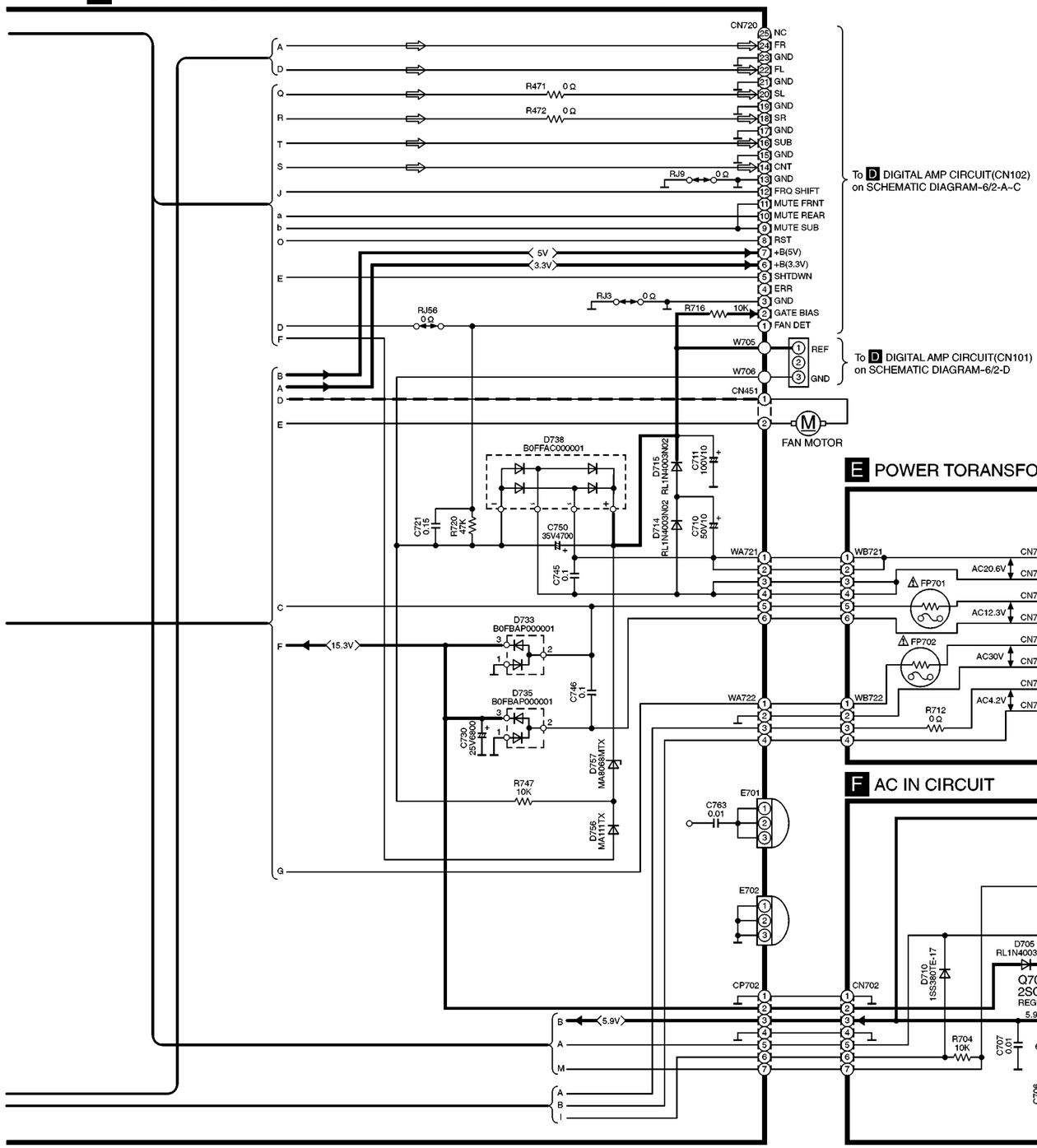
SA-DT100(PP) MAIN CIRCUIT DIAGRAM

37 38 39 40 41 42 43 44 45 46 47 48

SCHEMATIC DIAGRAM-5

C MAIN CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL LINE



SA-DT100(PP) POWER TRANSFORMER,AC IN,MAIN CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-6

D DIGITAL AMP CIRCUIT

:POSITIVE VOLTAGE LINE :AUDIO SIGNAL LINE

IC022 C0FBAJ000009 16bit A / D CONVERTER

IC023 C0FBAJ000009 16bit A / D CONVERTER

IC024 C0FBAK000008 24bit A / D CONVERTER

IC020 TC7WH74FUTL LOGIC CONT. (D-TYPE FLIP FLOP)

Q001 UN5111TX SWITCHING

Q002 XN0431100L SWITCHING

IC018 C0JBAB000423 INVERTER

IC019 C0JBAB000423 INVERTER

IC017 C0JBAD000153 NOR GATE

IC011 C0ZBZ0000650 DIGITAL AUDIO PWM PROCESSOR

IC014 C0JBAZ001870 BUFFER

IC051 C0DAZZC00003 REGULATOR

Q051 B1DEGL000004 STABILIZER

To C MAIN CIRCUIT (W705,W706) on SCHEMATIC DIAGRAM-5/53-F

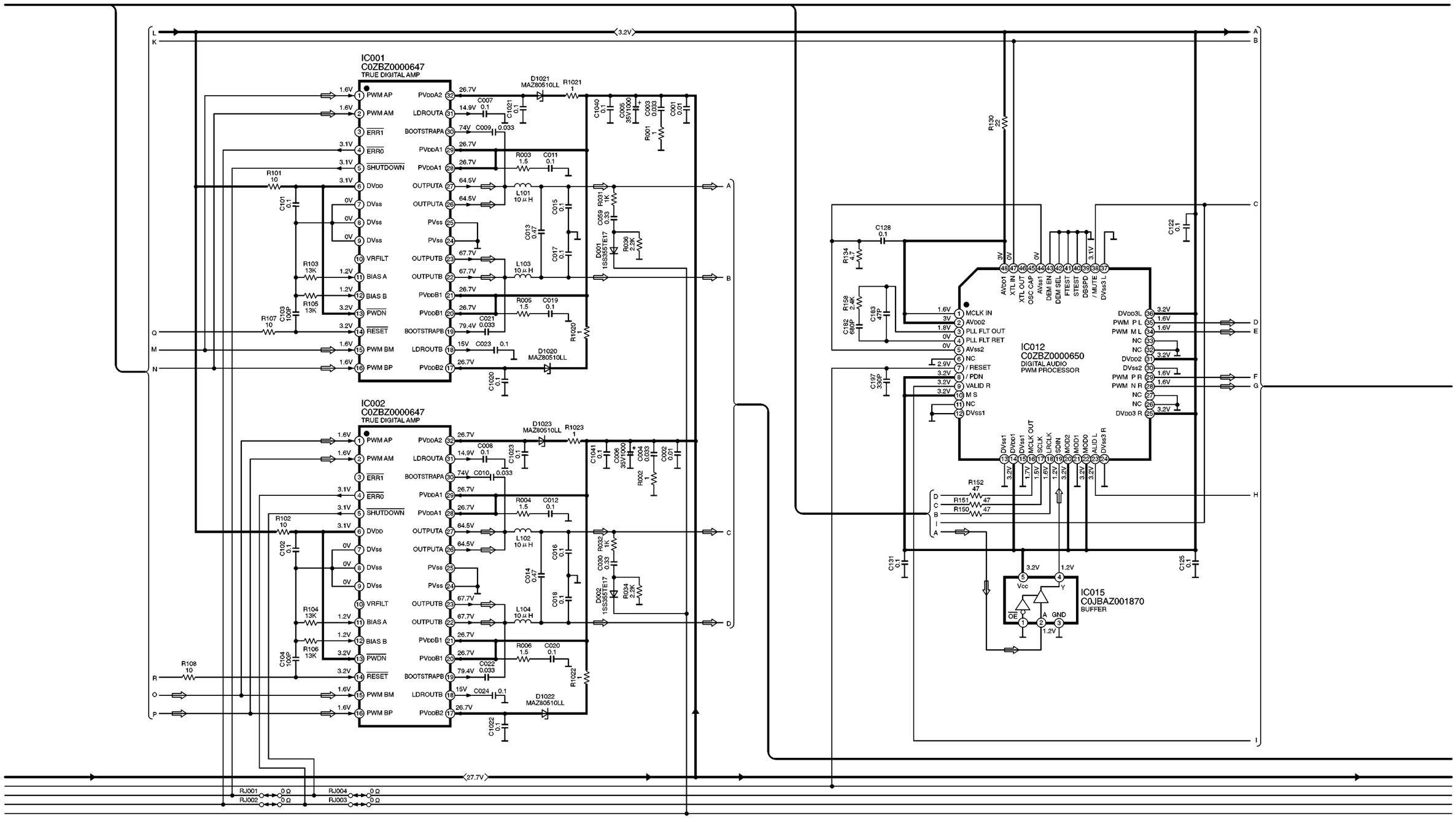
To C MAIN CIRCUIT (CN720) on SCHEMATIC DIAGRAM-5/53-G,H

SA-DT100(PP) DIGITAL AMP CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM–7

D DIGITAL AMP CIRCUIT

:POSITIVE VOLTAGE LINE :AUDIO SIGNAL LINE

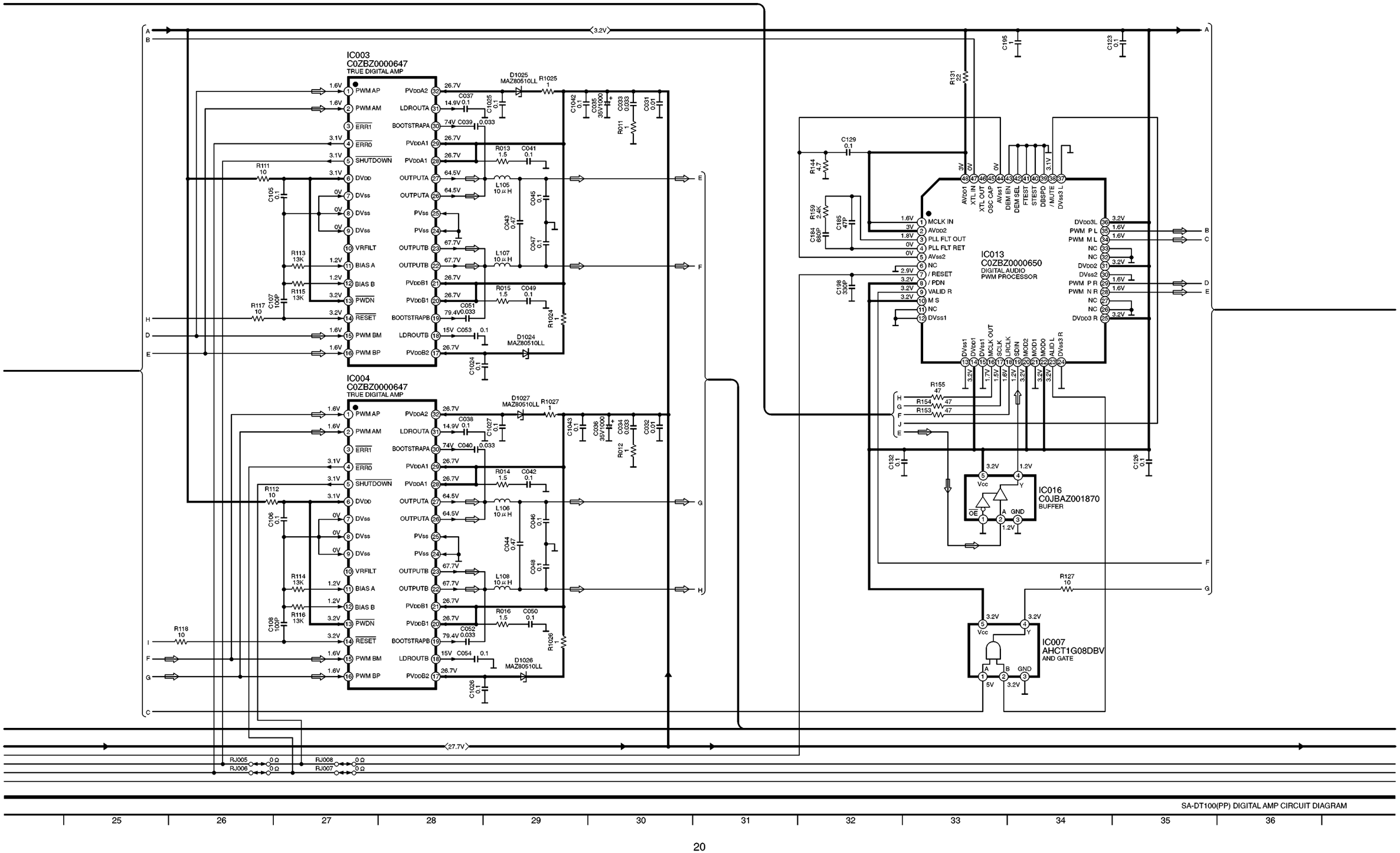


SA-DT100(PP) DIGITAL AMP CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-8

D DIGITAL AMP CIRCUIT

:POSITIVE VOLTAGE LINE :AUDIO SIGNAL LINE



SA-DT100(PP) DIGITAL AMP CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-9

D DIGITAL AMP CIRCUIT

:POSITIVE VOLTAGE LINE :AUDIO SIGNAL LINE

IC005
C0ZBZ0000647
TRUE DIGITAL AMP

IC006
C0ZBZ0000647
TRUE DIGITAL AMP

SPEAKERS

SA-DT100(PP) DIGITAL AMP CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-10

TUNER MODULE CIRCUIT(Z1001 • ENG06701Q)

:POSITIVE VOLTAGE LINE :FM SIGNAL LINE :AM SIGNAL LINE :AM OSC SIGNAL LINE :FM OSC SIGNAL LINE

FM ANT (75Ω)

AM ANT

2SK360 or 2SK543,2SK2731 RF AMP

2SC2620 or 2SC2714,2SK2413 FM MIXER

2SC2620 or 2SC2714,2SK2413 FM IF AMP

2SC2620 or 2SC2714, 2SK2413 FM IF AMP

2SC3130 or 2SC2814 ,2SC1638 POWER SUPPLY (FM:ON)

2SC3130 or 2SC2814,2SC1638 BUFFER AMP

LA1844M FM/AM IF AMP, DET/AM OSC,MIX/FM MPX

2SC601 or 2SC26128,2SC647 BUFFER AMP

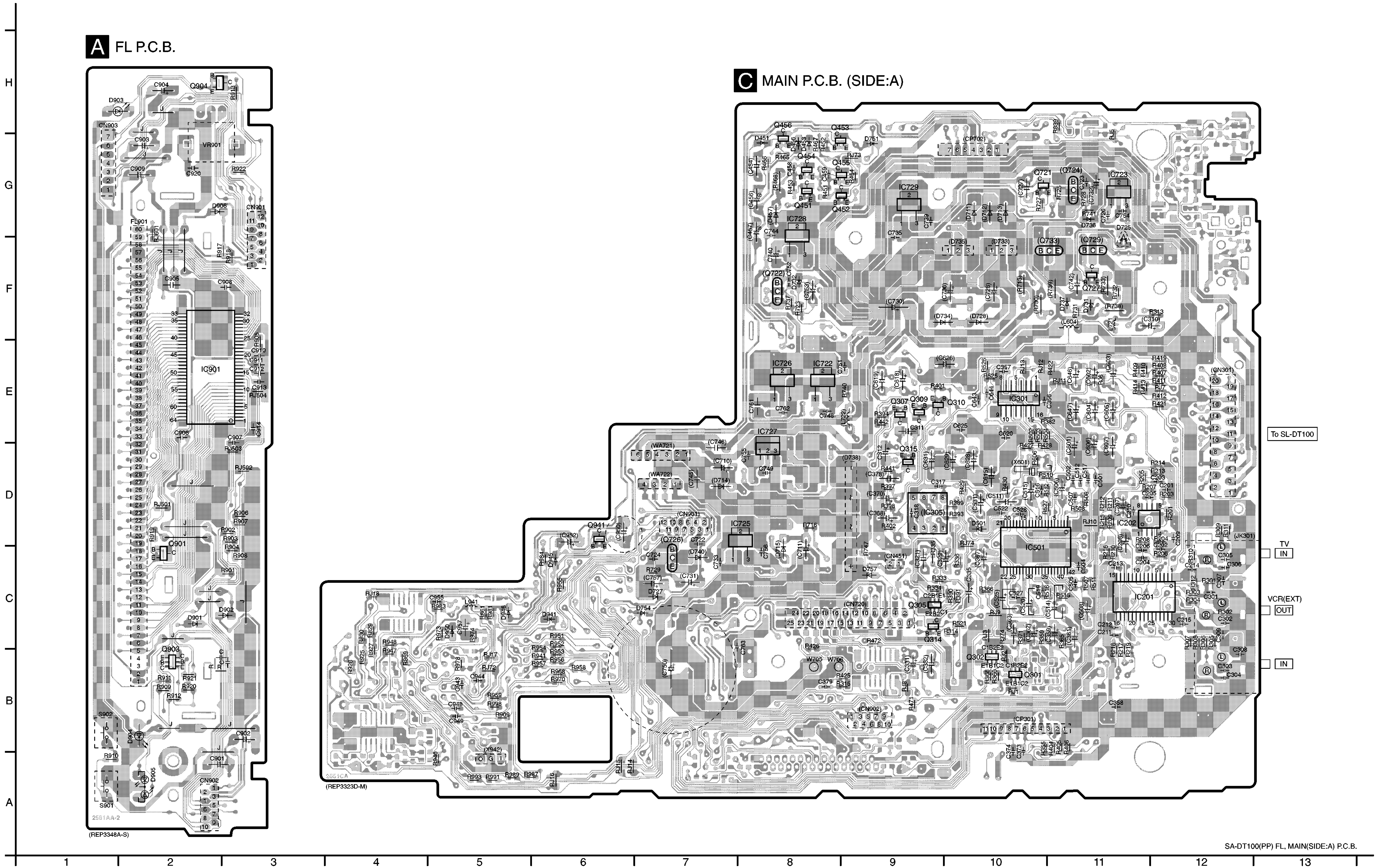
2SC601 or 2SC26128,2SC647 BUFFER AMP

LC72131M PLL FREQUENCY SYNTHESIZER

To C MAIN CIRCUIT(CP301) on SCHEMATIC DIAGRAM-2/19-H

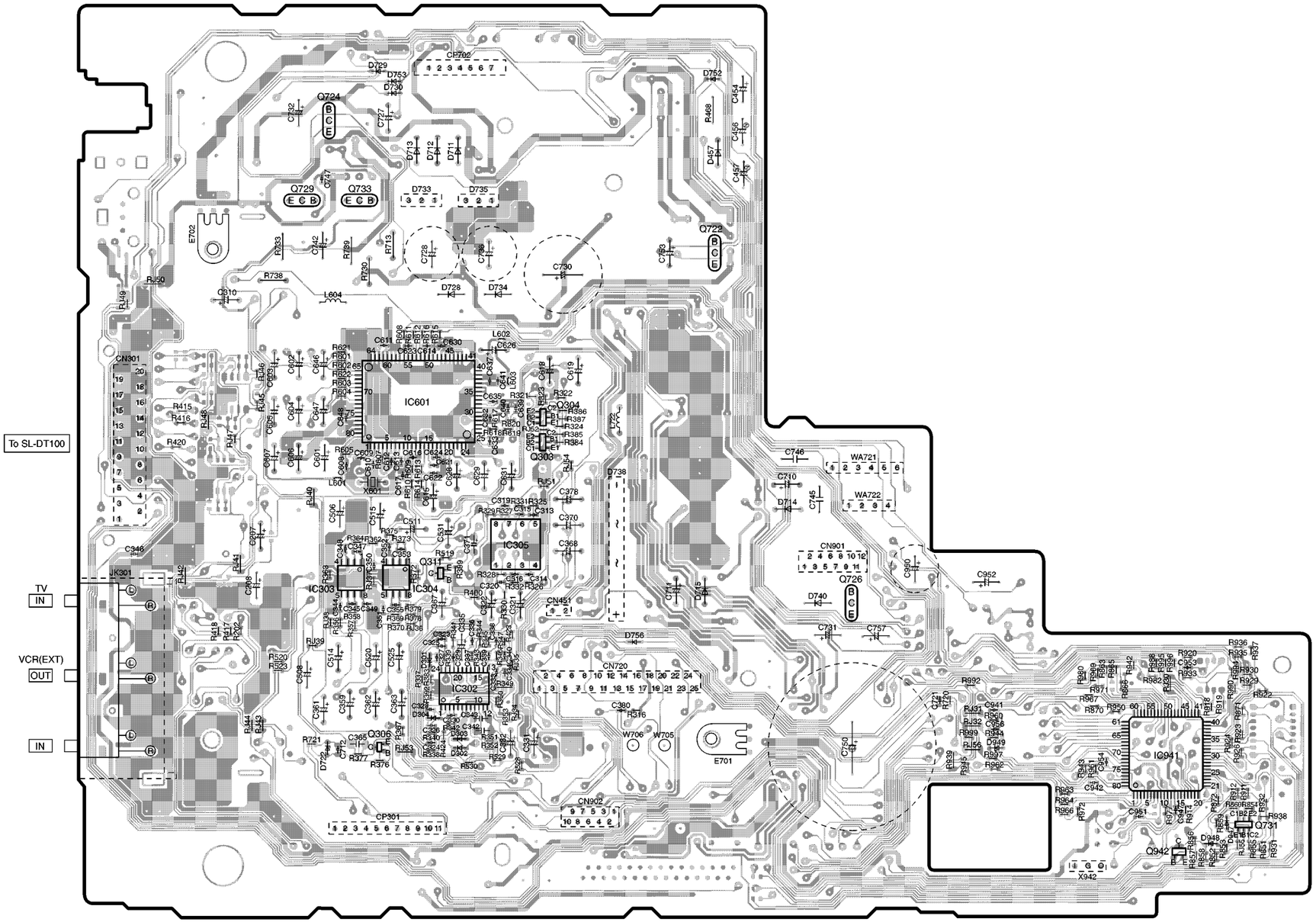
SA-DT100(PP) TUNER MODULE CIRCUIT DIAGRAM

12 Printed Circuit Board Diagram



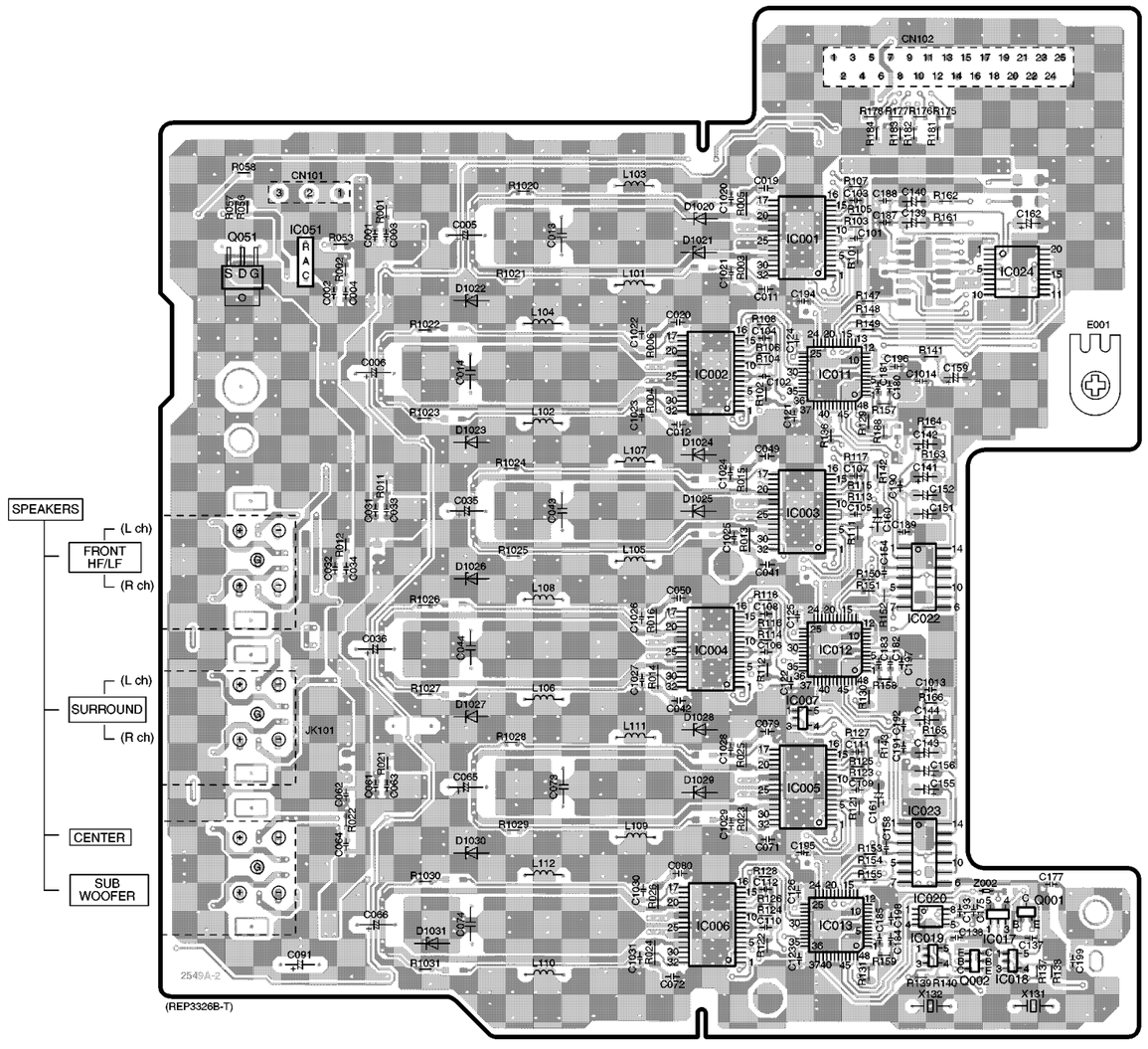
SA-DT100(PP) FL, MAIN(SIDE:A) P.C.B.

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

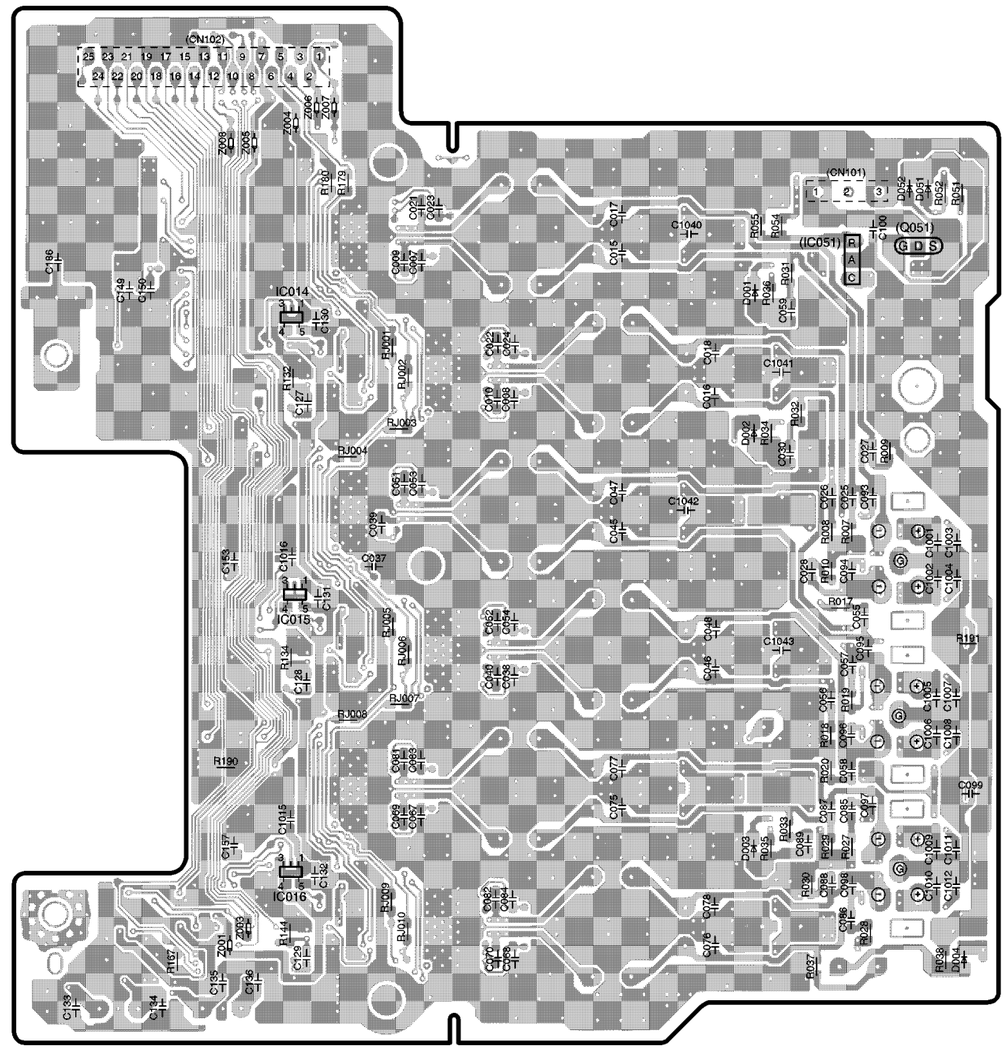


SA-DT100(PP) MAIN(SIDE:B) P.C.B.

D DIGITAL AMP P.C.B. (SIDE:A)

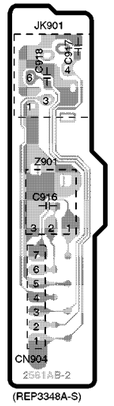


D DIGITAL AMP P.C.B. (SIDE:B)

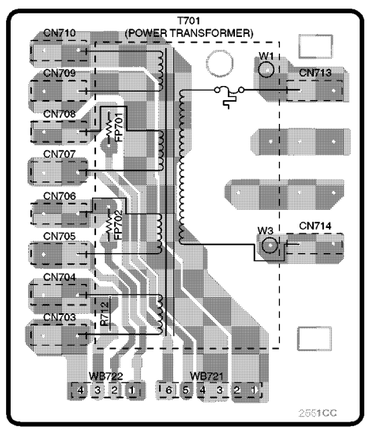


SA-DT100(PP) DIGITAL AMP P.C.B.

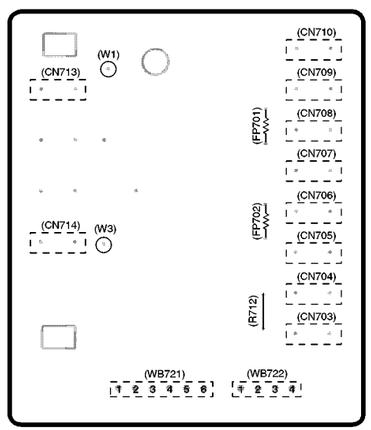
B HEADPHONE P.C.B.



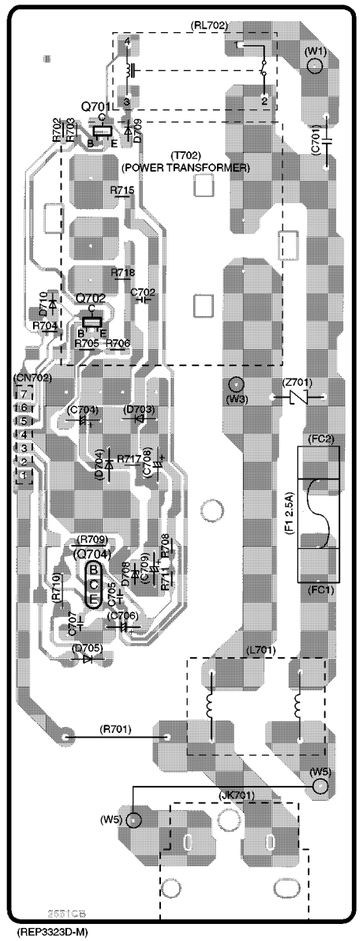
E POWER TRANSFORMER P.C.B. (SIDE:A)



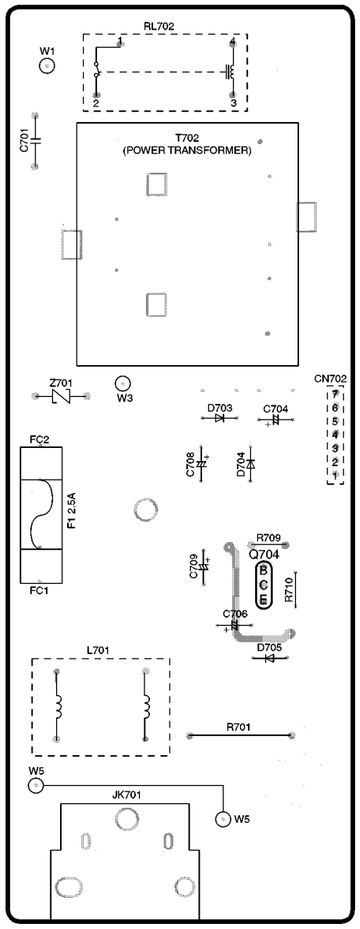
E POWER TRANSFORMER P.C.B. (SIDE:B)



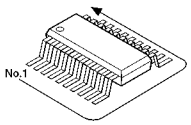
F AC IN P.C.B. (SIDE:A)



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

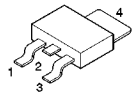


13 Type Illustration of ICs, Transistors and Diodes

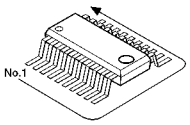


NJU7313AMT2	30PIN	M62456FPE1	24PIN
C1BB00000527	16PIN	C0ZBZ0000647	32PIN
NJM4558MTE1	8PIN	C0FBAJ000009	14PIN
M62444F PE1	42PIN	C0FBAK000008	20PIN
M5218AP	8PIN	TC7WH74FUTL	8PIN
BU4053BCFE2	16PIN		

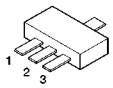
C0CBAEE00004



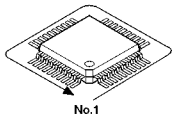
C0HBB0000030	64PIN



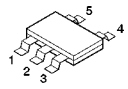
C0CBABC00119

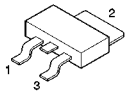


C2CBHG000095	80PIN
C2HBZC000013	80PIN
C0ZBZ0000650	48PIN



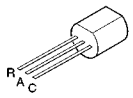
C0JBAB000423
AHCTG08DBV
C0JBAD000153
C0JBAZ001870



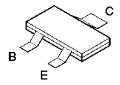


C0CBAEE00003
C0CBAHE00002
C0CBADE00034
C0CBADE00031

C0DAZZC00003

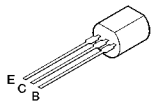


2SD1819ATX
2SB1218TX
2SB12190WL

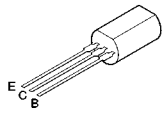


B1ABGC000001
UN521MTX
UN5214TX
UN5115TX
UN5111TX
UNR5211TX

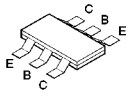
2SB621RSTA



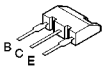
2SC3940ARSTA



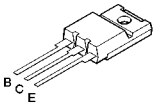
XN0450100L
B1GFGCAA0001



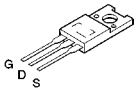
B1BCJJ000001



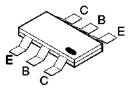
2SA20570P



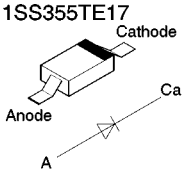
B1DEGL000004

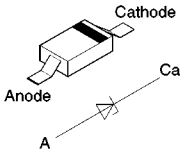


XN0431100L



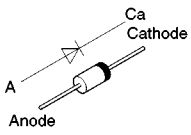
MA111TX
1SS380TE-17
1SS355TE17



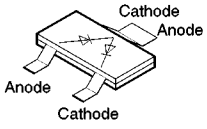


MA8068MTX
MAZ83000HL
MA8120MTX
MAZ80680LL
MA8043MTX
MAZ80510LL
MAZ80910HL
MA8082MTX

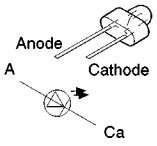
RL1N4003N02



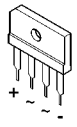
MA143TX



SELS5923C



B0FFAC000001



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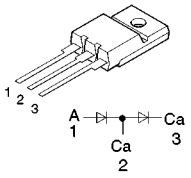

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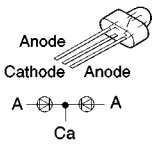
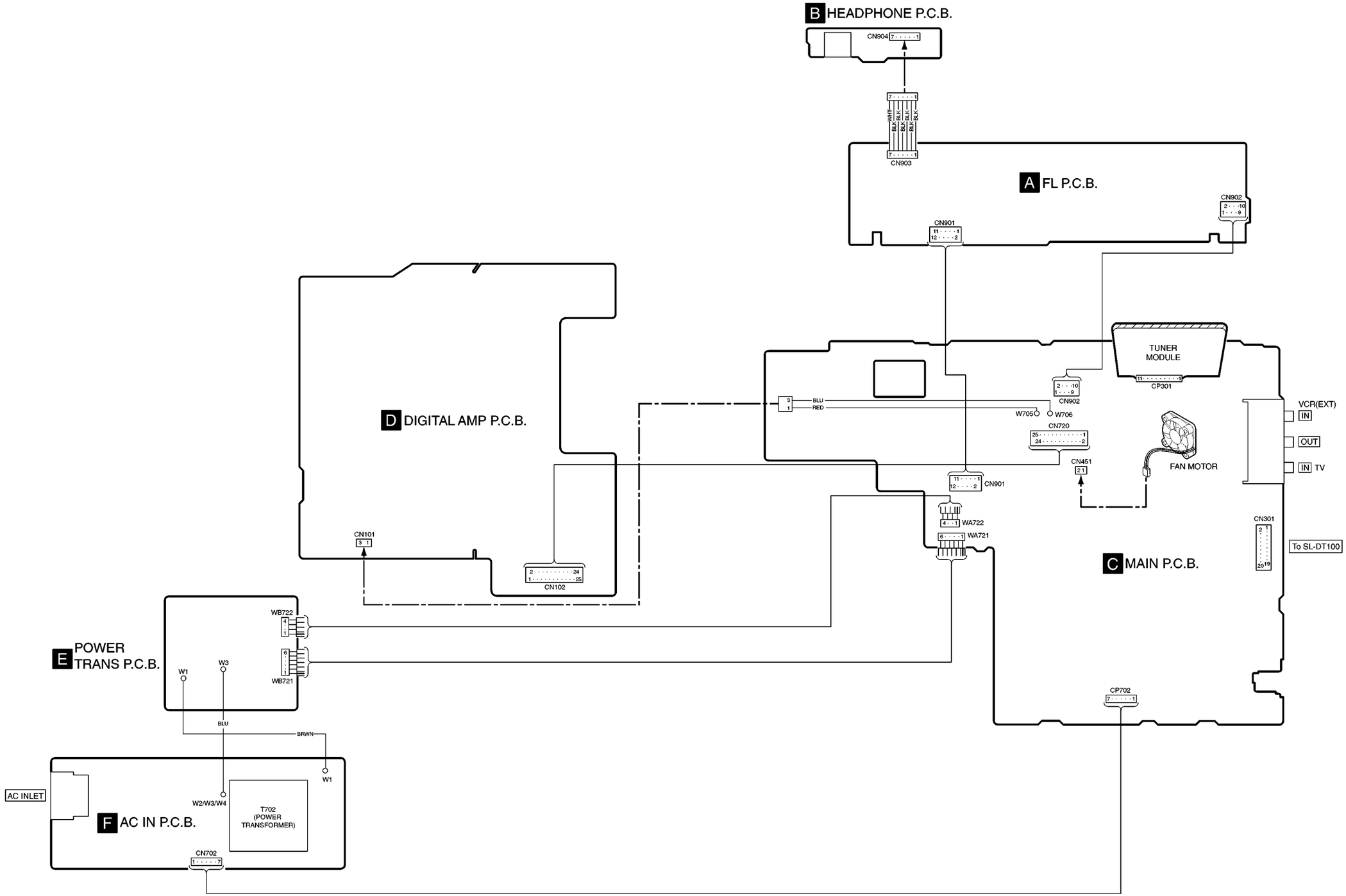


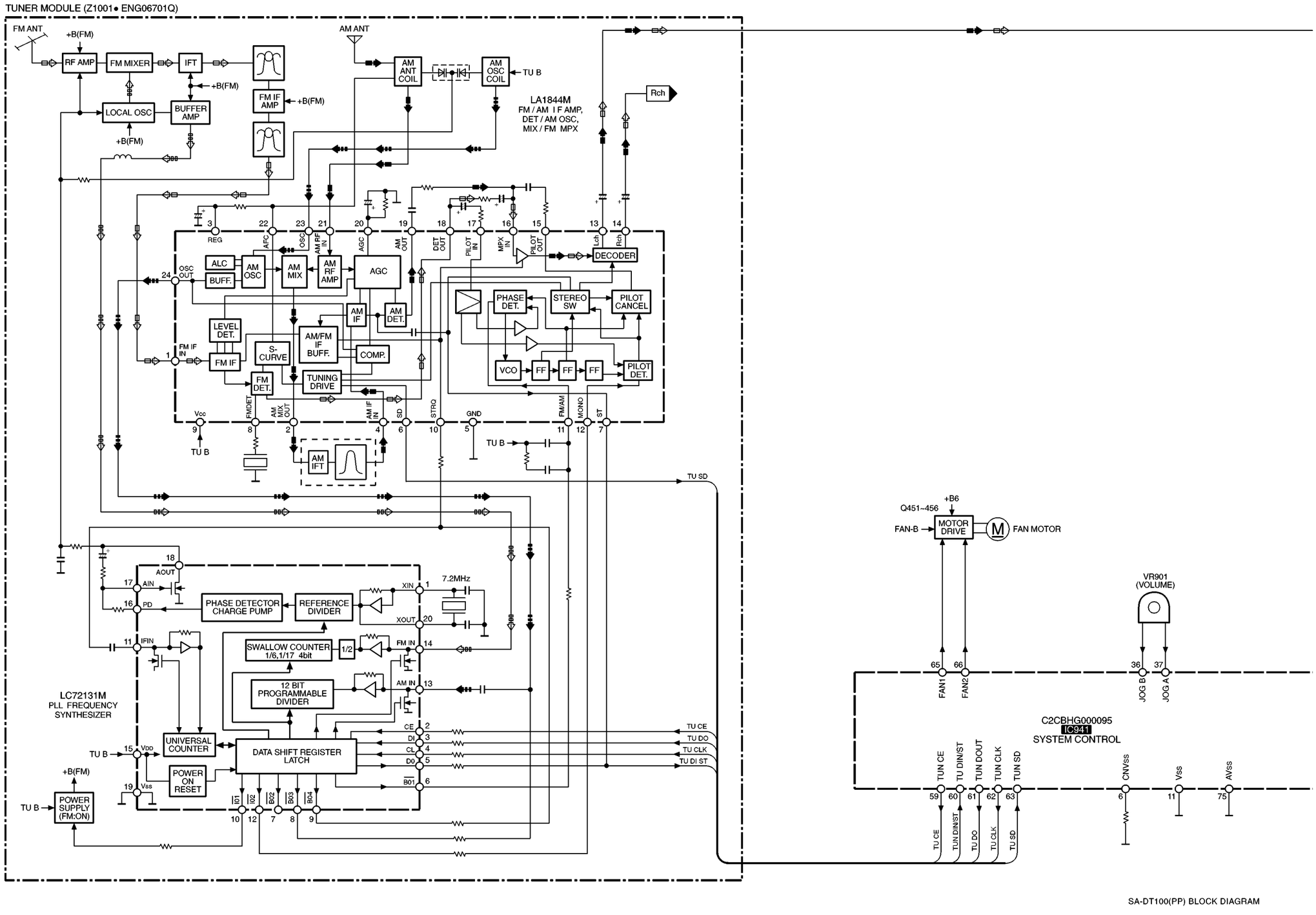
14 Wiring Connection Diagram



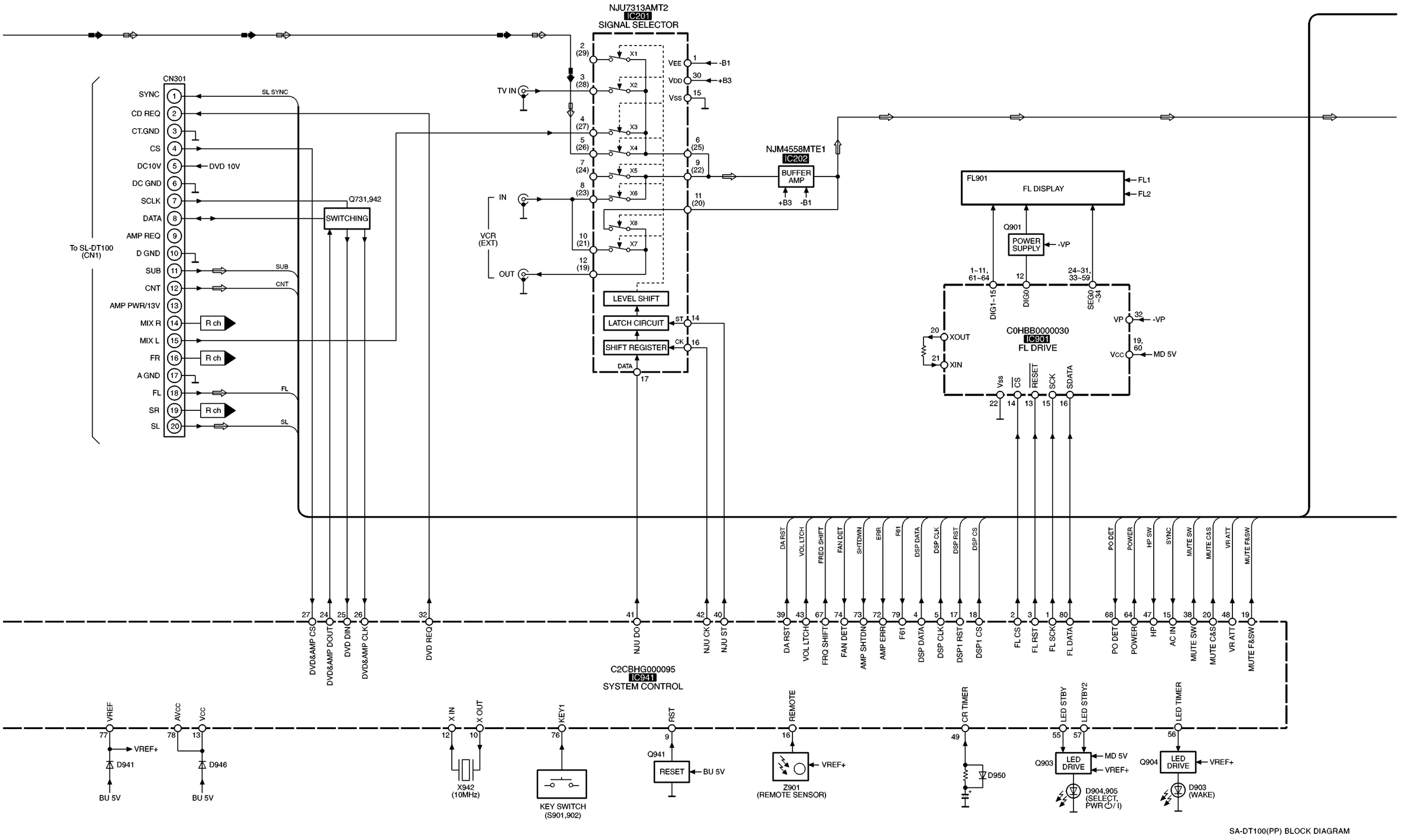
NOTE:
BLK · · · Black
BLU · · · BLue
BRN · · · Brown
RED · · · Red
WHT · · · White

SA-DT100PP

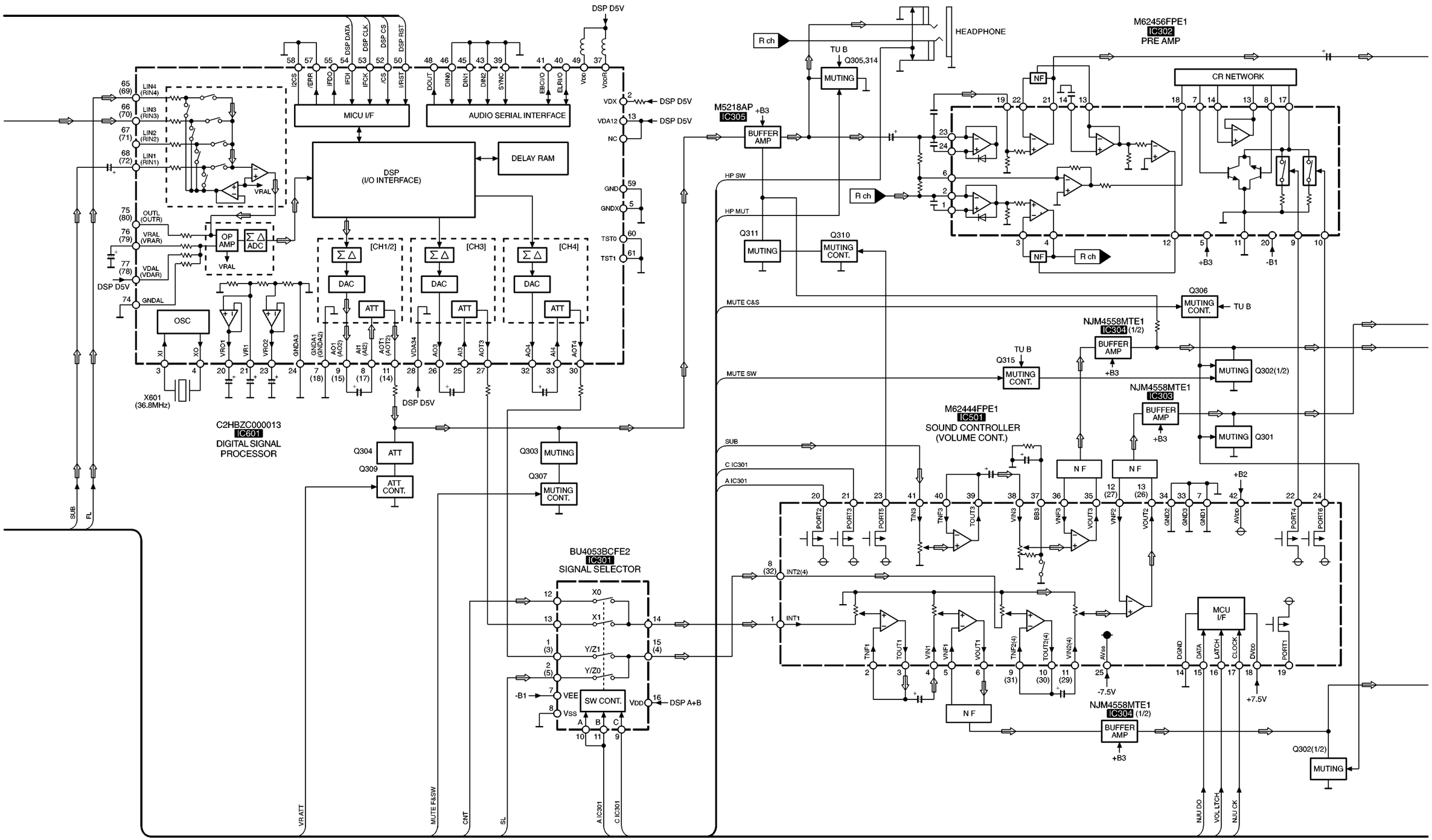
15 Block Diagram



SA-DT100(PP) BLOCK DIAGRAM



SA-DT100(PP) BLOCK DIAGRAM



SA-DT100(PP) BLOCK DIAGRAM

C0FBAK000008
IC024
24bit A/D CONVERTER

C0JBAB000423 IC019
C0JBAB000423 IC018
C0JBAD000153 IC017
NOR GATE

C0ZBZ0000650
IC011
DIGITAL AUDIO PWM PROCESSOR

C0JBAZ001870
IC014
BUFFER AMP

C0FBAI000009
IC022
16bit A/D CONVERTER

TC7WH74FUTL
IC020
D-TYPE FLIP FLOP

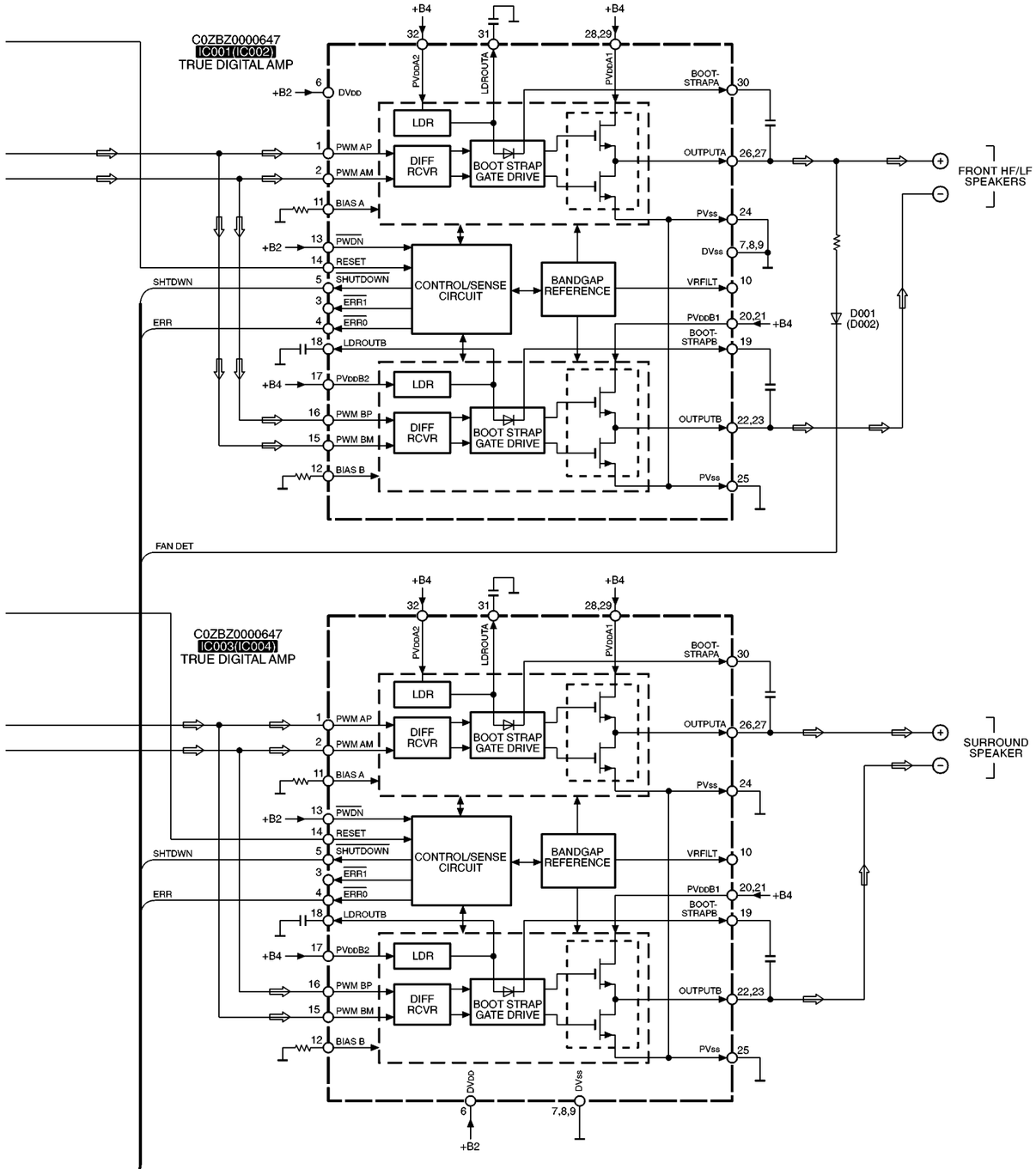
C0ZBZ0000650
IC012
DIGITAL AUDIO PWM PROCESSOR

C0FBAI000009
IC023
16bit A/D CONVERTER

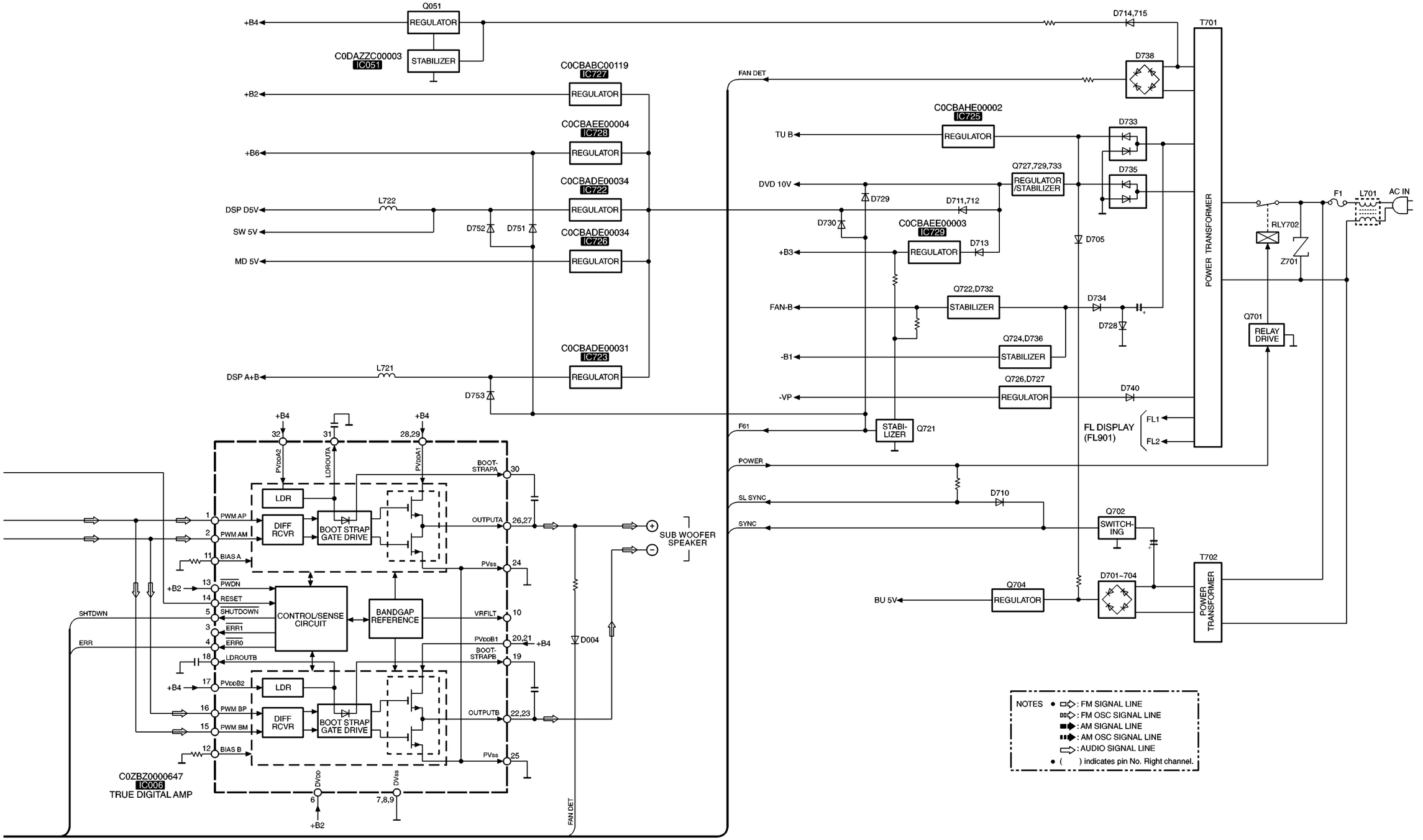
C0JBAZ001870
IC016
BUFFER

C0JBAZ001870
IC015
BUFFER

SA-DT100(PP) BLOCK DIAGRAM



SA-DT100(PP) BLOCK DIAGRAM



SA-DT100(PP) BLOCK DIAGRAM

16 Terminal Function of ICs

16.1. IC941(C2CBHG000095): 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 resister
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	-	Connected to V_{CC} via resister
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	-	Not used
34	MDREQ	-	Not used
35	LOAD SW	-	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	Not used, connected to GND
45	E2P CLK	O	Not used, connected to GND
46	E2P CE	O	Not used, connected to GND
47	HP	I	Headphone connecting detect signal input
48	VR ATT	O	Volume attenuator 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 V_{CC}
53	CS1	I	Not used, connected to V_{CC}
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 when the power ON/OFF
59	TUN CE	O	Chip enable signal output for LC72131M
60	TUN DIN/ST	I	Data signal/stereo signal input
61	TUN DOUT	O	Data signal output for LC72131M
62	TUN CLK	O	Clock signal output for LC72131M
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	PQ DET	-	Not used, connected to GND
69	RDS DIN	I	Not used
70	RDS CLK	O	Not used
71	RDS RDYIN	I	Not used
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 ⚠ 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 <IA> <IB> marks in Remarks indicate language of operating instructions.

  <IA>: English

  <IB>: Canadian French

- The marking in Ref No. indicate as follow.

  *2: FL circuit

- 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 MESA.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	XTB3+8JFZ	SCREW	15	
2	REM0106	FAN UNIT	1	
3	REZ1446	FFC	1	
4	RGK1508-K	BOTTOM COVER	1	
5	RGN2260-K	NAME PLATE	1	
6	RGR0329B-B1A	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	
14	RMZ0611	BARRIER	1	
15	SHR415	BINDER	1	
16	XTB3+23J	SCREW	2	
17	XTB3+6JFZ	SCREW	2	
18	XTBS3+8JFZ1	SCREW	16	
19	XTW3+8T	SCREW	1	
21	RMZ0339	ZNR COVER	1	
22	J0KE00000063	CORE 1	1	
23	J0KE00000064	CORE 2	1	
24	REX1130	WIRE ASS´Y	1	
25	RHD26038-K	SCREW	3	
26	RMG0585-H	RUBBER(HEAT SHINK)	6	
27	REZ1447	FFC	1	
28	REZ1448-1	FFC	1	
29	RGK1506A-S	BUTTON ORNAMENT	1	
30	RGK1517-S	VOLUME ORNAMENT	1	
31	RGK1518C-S1	PANEL ORNAMENT	1	
32	RGL0587-Q	TIMER PANEL LENS	1	
33	RGP0927-K	FRONT PANEL	1	
34	RGU2095-S	BUTTON,POWER	1	
35	RGW0389-S	KNOB,VOLUME	1	
36	RHN90001	NUT	1	
37	RKW0686-K	SENSOR COVER	1	
38	RMC0497	EARTH ANGLE	1	
39	RMN0715-1	LED CASE	1	
41	XTBS26+8J	SCREW	1	
42	REX1131	WIRE ASS´Y	1	
44	RKM0463-S	TOP COVER	1	
A1	K2RC021B0001	ANTENNA PLUG	1	
A2	RJL1P019B15	VIDEO CABLE	1	K2JA2A000018
A3	RSA0007	FM INDOOR ANTENNA	1	N1EAYY000002
A4	EUR7702KH0	REMOTE CONTROL	1	
A4-1	UR64EC2337E	BATTERY COVER	1	
A6	RFE0088-1	CLEANING CLOTH	1	
A7	K2CB2CB00006	AC POWER SUPPLY CORD	1	⚠
A8	REK0063	AM LOOP ANTENNA	1	
A9	RQCA0950	SPEAKER-CORD STICKERS	1	
A10	RQT6534-P	OPERATING INSTRUCTIONS	1	<IA>
A10	RQT6535-C	OPERATING INSTRUCTIONS	1	<IB> FOR CANADA
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	
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	F1H1H101A004
C105,06	ECJ1VB1C104K	16V 0.1U	2	
C107,08	ECUV1H101JCV	50V 100P	2	F1H1H101A004
C109,10	ECJ1VB1C104K	16V 0.1U	2	
C111,12	ECUV1H101JCV	50V 100P	2	F1H1H101A004
C121-32	ECJ1VB1C104K	16V 0.1U	12	
C133-36	ECUV1H180JCV	50V 18P	4	ECJ1VC1H180J
C137,38	ECJ1VB1C104K	16V 0.1U	2	
C139-44	ECST1CY105	16V 1U	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	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C177	ECJ1VB1H102K	50V 1000P	1	
C180	ECJ1VB1H681K	50V 680P	1	
C181	ECUV1H470JCV	50V 47P	1	F1H1H470A736
C182	ECJ1VB1H681K	50V 680P	1	
C183	ECUV1H470JCV	50V 47P	1	F1H1H470A736
C184	ECJ1VB1H681K	50V 680P	1	
C185	ECUV1H470JCV	50V 47P	1	F1H1H470A736
C186	ECJ1VB1H102K	50V 1000P	1	
C187-92	ECUV1H471KBV	50V 470P	6	F1H1H471A013
C193	ECJ1VB1C104K	16V 0.1U	1	
C194,95	F1H1A105A028	10V 1U	2	
C196-98	ECUV1H331KBV	50V 330P	3	ECJ1VB1H331K
C199	ECJ1VB1H102K	50V 1000P	1	
C201-04	ECUV1H331KBV	50V 330P	4	ECJ1VB1H331K
C205,06	ECUV1H330JCV	50V 33P	2	ECJ1VC1H330J
C207,08	RCE1HKA4R7BG	50V 4.7U	2	F2A1H4R70009
C209,10	ECUVNH103KBV	50V 0.01U	2	F1H1H103A748
C211-13	ECUV1H470JCV	50V 47P	3	F1H1H470A736
C214,15	ECJ1VB1C104K	16V 0.1U	2	
C301-06	ECUV1H101JCV	50V 100P	6	F1H1H101A004
C307-09	ECUVNH103KBV	50V 0.01U	3	F1H1H103A748
C310	ECA1CAK220XB	16V 22U	1	
C311,12	ECST1AY475R	10V 4.7U	2	
C313,14	ECUV1H101JCV	50V 100P	2	F1H1H101A004
C315,16	ECUV1H220JCV	50V 22P	2	ECJ1VC1H220J
C317,18	ECUVNH103KBV	50V 0.01U	2	F1H1H103A748
C319,20	ECJ1VB1H102K	50V 1000P	2	
C321,22	ECA1CAK100XB	16V 10U	2	
C323-26	ECUVNC683KBV	16V 0.068U	4	F1H1C683A001
C327,28	ECUV1H101JCV	50V 100P	2	F1H1H101A004
C329	ECUV1H471KBV	50V 470P	1	F1H1H471A013
C330	ECUV1H101JCV	50V 100P	1	F1H1H101A004
C331,32	ECA1CAK220XB	16V 22U	2	
C333,34	ECUVNH103KBV	50V 0.01U	2	F1H1H103A748
C335	RCE1AKA330BG	10V 33U	1	F2A1A330A011
C336,37	F1H1H333A783	50V 0.033U	2	
C338	ECUVNA154KBV	10V 0.15U	1	F1H1A154A028
C339	ECUV1E273KBV	25V 0.027U	1	
C340	ECUVNC683KBV	16V 0.068U	1	F1H1C683A001
C342,43	ECST1CY105	16V 1U	2	
C344	ECUV1H101JCV	50V 100P	1	F1H1H101A004
C345	ECUV1H220JCV	50V 22P	1	ECJ1VC1H220J
C346	ECJ1VB1C104K	16V 0.1U	1	
C347	ECUV1H220JCV	50V 22P	1	ECJ1VC1H220J
C348	ECUV1H101JCV	50V 100P	1	F1H1H101A004
C349,50	ECUVNH103KBV	50V 0.01U	2	F1H1H103A748
C351,52	ECUV1H101JCV	50V 100P	2	F1H1H101A004
C353	ECUV1H220JCV	50V 22P	1	ECJ1VC1H220J
C355	ECUV1H220JCV	50V 22P	1	ECJ1VC1H220J
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	RCE1HKA4R7BG	50V 4.7U	1	F2A1H4R70009
C370	RCE1HKA4R7BG	50V 4.7U	1	F2A1H4R70009
C371	ECST1AY106R	10V 10U	1	
C373,74	ECUV1H272KBN	50V 2700P	2	
C378	RCE1HKA4R7BG	50V 4.7U	1	F2A1H4R70009
C379	ECJ1VB1H822K	50V 8.2K	1	
C380	ECJ1VB1H472K	50V 4700P	1	
C454	ECA0JAK221XH	6.3V 220U	1	
C456	ECEA1CKN220B	16V 22U	1	
C457	ECEA1HKNR47B	50V 0.47U	1	
C458,59	ECUVNH103KBV	50V 0.01U	2	F1H1H103A748
C501,02	ECUVNJ105KBV	6.3V 1U	2	F1H0J105A002
C504	ECJ1VB1C104K	16V 0.1U	1	
C505	ECUV1H101JCV	50V 100P	1	F1H1H101A004
C506	ECA1CAK100XB	16V 10U	1	
C507	ECUV1H221KBV	50V 220P	1	F1H1H2210001
C508	ECA1CAK100XB	16V 10U	1	
C511	ECA1CAK100XB	16V 10U	1	
C512	ECUVNJ105KBV	6.3V 1U	1	F1H0J105A002

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C514	RCE1HKA3R3BG	50V 3.3U	1	F2A1H3R3A015
C515	ECA1CAK100XB	16V 10U	1	
C516	ECUV1H221KBV	50V 220P	1	F1H1H2210001
C517	ECUVNJ105KBV	6.3V 1U	1	F1H0J105A002
C519	ECUV1H101JCV	50V 100P	1	F1H1H101A004
C520	ECA1CAK100XB	16V 10U	1	
C522	ECUV1H470JCV	50V 47P	1	F1H1H470A736
C525	RCE1HKA3R3BG	50V 3.3U	1	F2A1H3R3A015
C527	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C528	ECJ1VB1C104K	16V 0.1U	1	
C531	ECA1HAK2R2XB	50V 2.2U	1	
C601	ECA0JAK101XB	6.3V 100U	1	
C602-05	ECA1HAK010XI	50V 1U	4	
C606,07	RCE1HKA4R7BG	50V 4.7U	2	F2A1H4R70009
C608	ECUVNJ105KBV	6.3V 1U	1	F1H0J105A002
C609	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C610	ECJ1VC1H050C	50V 5P	1	
C611	ECUVNE223KBV	25V 0.022U	1	F1H1E223A050
C612	ECJ1VC1H120J	50V 12P	1	
C613	ECUVNJ105KBV	6.3V 1U	1	F1H0J105A002
C614	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
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	F1H1H103A748
C621	ECUVNJ105KBV	6.3V 1U	1	F1H0J105A002
C622	ECJ1VB1H222K	50V 2200P	1	
C623	ECUVNE223KBV	25V 0.022U	1	F1H1E223A050
C624	ECJ1VB1C104K	16V 0.1U	1	
C625	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C626	ECA1AAK221XH	10V 220U	1	
C628	ECA0JAK101XB	6.3V 100U	1	
C629	RCE0JKA470BG	6.3V 47U	1	F2A0J470A014
C630	ECUVNJ105KBV	6.3V 1U	1	F1H0J105A002
C631	ECA0JAK101XB	6.3V 100U	1	
C632	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C633	ECUVNJ105KBV	6.3V 1U	1	F1H0J105A002
C635	ECUVNJ105KBV	6.3V 1U	1	F1H0J105A002
C637	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C639,40	ECJ1VB1H222K	50V 2200P	2	
C641	ECUVNJ105KBV	6.3V 1U	1	F1H0J105A002
C643,44	ECUVNJ105KBV	6.3V 1U	2	F1H0J105A002
C646,47	ECA1HAK010XI	50V 1U	2	
C648	ECJ1VB1C104K	16V 0.1U	1	
C701	ECKWRS102MBC	1000P	1	⚠
C702	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C704	RCE1HKA4R7BG	50V 4.7U	1	F2A1H4R70009
C705	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C706	RCE1AKA470BG	10V 47U	1	F2A1A470A011
C707	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C708,09	ECA1CAM102X	16V 1000U	2	
C710	ECA1HAK100XB	50V 10U	1	
C711	ECA2AAM100XB	100V 10U	1	
C712	F1J1H104A679	50V 0.1U	1	
C721	ECUVNA154KBV	10V 0.15U	1	F1H1A154A028
C722	ECUVNC473KBV	16V 0.047U	1	F1H1C473A071
C723	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C724	ECUVNC473KBV	16V 0.047U	1	F1H1C473A071
C726	F1J1H334A679	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	F1J1H334A679	50V 0.33U	1	
C735	F1J1H104A679	50V 0.1U	1	
C736	ECA1EAM102XB	25V 1000U	1	
C739	F1J1H104A679	50V 0.1U	1	
C740	ECST1AY475R	10V 4.7U	1	
C742	F2A1C470A015	16V 47U	1	
C744	F1J1H104A679	50V 0.1U	1	
C745,46	ECQE1104KF3	100V 0.1U	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C747	ECJ1VB1H102K	50V 1000P	1	
C748	F1J1H104A679	50V 0.1U	1	
C749	ECJ3YB1E105K	25V 1U	1	
C750	ECES1VV472T	35V 4700U	1	
C751	F1J1H104A679	50V 0.1U	1	
C752	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C753	ECA1CAK470XB	16V 47U	1	
C754	F1J1H104A679	50V 0.1U	1	
C755	ECJ3YB1E105K	25V 1U	1	
C756	F1J1H104A679	50V 0.1U	1	
C757	ECA1JAM470XB	E.CAPACITOR	1	
C761,62	F1J1H104A679	50V 0.1U	2	
C763	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C901-04	ECA1EAK220XB	25V 22U	4	
C905	ECST1AY475R	10V 4.7U	1	
C906	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C907	ECJ1VB1C104K	16V 0.1U	1	
C908	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C909	EEAFC0J101B	6.3V 100U	1	
C910	ECUV1H390KCV	50V 39P	1	ECJ1VC1H390K
C911	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C912-14	ECUV1H560KCV	50V 56P	3	ECJ1VC1H560K
C916	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C917,18	F1H1H473A783	50V 0.047U	2	
C920	ECJ1VB1C104K	16V 0.1U	1	
C941,42	ECUV1H221KBV	50V 220P	2	F1H1H2210001
C943,44	ECJ1VB1C104K	16V 0.1U	2	
C947	ECJ1VB1C104K	16V 0.1U	1	
C948	ECUVNE223KBV	25V 0.022U	1	F1H1E223A050
C949	ECJ1VB1H102K	50V 1000P	1	
C950	ECA1AAM102XB	10V 1000U	1	
C951	ECJ1VB1C104K	16V 0.1U	1	
C952	RCE1HKA3R3BG	50V 3.3U	1	F2A1H3R3A015
C953	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C954	ECUV1H221KBV	50V 220P	1	F1H1H2210001
C955	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C956	ECUV1H221KBV	50V 220P	1	F1H1H2210001
C957	ECST1AY106R	10V 10U	1	
C1001-12	ECJ1VB1H102K	50V 1000P	12	
C1013-16	F1H1H104A783	50V 0.1U	4	
C1020-31	F1H1H104A783	50V 0.1U	12	
C1040-43	F1J1H104A679	50V 0.1U	4	
CN101	K1KA02A00104	CONNECTOR(3P)	1	
CN102	RJS1A6825	CONNECTOR(25P)	1	K1MN25A00006
CN301	RJT065K20	SYSTEM CONNECTOR (20P)	1	K1FA220B0006
CN451	K1KA02A00008	CONNECTOR(2P)	1	
CN702	RJU100W07	CONNECTOR(7P)	1	K1KB07A00018
CN703-10	RJS1A1101T1	CONNECTOR(1P)	8	
CN713,14	RJS1A1101T1	CONNECTOR(1P)	2	
CN720	RJS1A6825	CONNECTOR(25P)	1	K1MN25A00006
CN901	K1MN12A00047	CONNECTOR(12P)	1	
CN901*2	K1MN12B00095	CONNECTOR(12P)	1	
CN902	K1MN10A00052	CONNECTOR(10P)	1	
CN902*2	K1MN10B00088	CONNECTOR(10P)	1	
CN904	K1KA07B00051	CONNECTOR(7P)	1	
CP301	RJT100W11	CONNECTOR(11P)	1	K1KA11A00093
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	RL1N4003N02	DIODE	1	B0AAMM000009
D501	MAZ80510LL	DIODE	1	
D703-05	RL1N4003N02	DIODE	3	B0AAMM000009
D708	MAZ80680LL	DIODE	1	
D709	MA2J11100L	DIODE	1	
D710	1SS380TE-17	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D711-15	RL1N4003N02	DIODE	5	B0AAMM000009
D722	MA8043M	DIODE	1	MAZ80430M
D725	MA143TX	DIODE	1	MA3J14300L
D727	MAZ83000HL	DIODE	1	
D728	RL1N4003N02	DIODE	1	B0AAMM000009
D729,30	MA2J11100L	DIODE	2	
D731	MAZ80910HL	DIODE	1	
D732	MA8082M	DIODE	1	MAZ80820M
D733	B0FBAP000001	DIODE	1	
D734	RL1N4003N02	DIODE	1	B0AAMM000009
D735	B0FBAP000001	DIODE	1	
D736	MA8068M	DIODE	1	MAZ80680M
D737	MA2J11100L	DIODE	1	
D738	B0FFAC000001	DIODE	1	
D740	RL1N4003N02	DIODE	1	B0AAMM000009
D751-54	MA2J11100L	DIODE	4	
D756	MA2J11100L	DIODE	1	
D757	MA8068M	DIODE	1	MAZ80680M
D901,02	MA2J11100L	DIODE	2	
D903,04	SELS5923C	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	XBA1C25NBAU	FUSE	1	⚠ K5D252AQ0001
FL901	A2BC00000048	FL DISPLAY	1	
FP701	K5G502AA0002	FUSE PROTECTOR	1	⚠
FP702	K5G102AA0002	FUSE PROTECTOR	1	⚠
IC001-06	C0ZBZ0000666	IC	6	
IC007	AHCT1G08DBV	IC	1	C0JBAB000351
IC011-13	C0ZBZ0000650	IC	3	
IC014-16	C0JBAZ001870	IC	3	
IC017	C0JBAD000153	IC	1	
IC018,19	C0JBAB000423	IC	2	
IC020	C0JBAF000162	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	BU4053BCFE2	IC	1	
IC302	M62456FPE1	IC	1	C1BB00000389
IC303,04	NJM4558MTE1	IC	2	C0ABBB000109
IC305	M5218AP	IC	1	C0AABB000055
IC501	M62444FPE1	IC	1	C1BB00000386
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	C0CBAEE00004	IC	1	
IC729	C0CBAEE00003	IC	1	
IC901	C0HBB0000030	IC	1	
IC941	C2CBHG000095	IC	1	
JK101	K1FA612B0002	JK,SP TERMINAL	1	
JK301	K2HA311B0004	JK,EXT IN/OUT ETC.	1	
JK701	K2AB2B000002	JK,AC IN	1	⚠
JK901	K2HC103A0023	JK,HEADPHONE	1	
L101-12	G0A100K00003	COIL	12	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
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	1	
P3	RPG5954	PACKING CASE	1	
P4	RPQ1284-1	PAD 1	1	
P5	RPN1505-1	PAD 2	2	
P6	RPQ1369	SPACER 1	1	
P7	RPQ1368	SPACER 2	1	
P8	RPG6100-1	PACKING CASE (SYSTEM)	1	FOR U.S.A.
P8	RPG6101	PACKING CASE (SYSTEM)	1	FOR CANADA
PCB1	REP3323D-M	PCB ASS´Y	1	[RTL]
PCB2	REP3326B-T	PCB ASS´Y	1	[RTL]
PCB3	REP3348A-S	PCB ASS´Y	1	[RTL]
Q001	UN5111TX	TRANSISTOR	1	UNR511100L
Q002	XN0431100L	TRANSISTOR	1	
Q051	B1DEGL000004	TRANSISTOR	1	
Q301-05	B1GFGCAA0001	TRANSISTOR	5	
Q306,07	UN5115TX	TRANSISTOR	2	UNR511500L
Q309,10	UN5115TX	TRANSISTOR	2	UNR511500L
Q311	B1ABGC000001	TRANSISTOR	1	
Q314,15	UN5115TX	TRANSISTOR	2	UNR511500L
Q451	UNR521100L	TRANSISTOR	1	
Q452	UN5115TX	TRANSISTOR	1	UNR511500L
Q453	2SD1819A0L	TRANSISTOR	1	
Q454	2SB12190WL	TRANSISTOR	1	
Q455	B1ABGC000001	TRANSISTOR	1	
Q456	2SB1218A0L	TRANSISTOR	1	
Q701	B1ABGC000001	TRANSISTOR	1	
Q702	UNR521100L	TRANSISTOR	1	
Q704	2SC3940ARSTA	TRANSISTOR	1	2SC3940AHA
Q721	2SD1819A0L	TRANSISTOR	1	
Q722	B1BCAJ000003	TRANSISTOR	1	
Q724	B1BCAJ000003	TRANSISTOR	1	
Q726	2SB621RSTA	TRANSISTOR	1	2SB06210HA
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	
R001,02	ERJ3GEYJ1R0V	1/16W 1	2	
R003-06	ERJ8GEYJ1R5	1/8W 1.5	4	ERJ8GEYJ1R5V
R007-10	ERJ3GEYJ4R7V	1/16W 4.7	4	
R011,12	ERJ3GEYJ1R0V	1/16W 1	2	
R013-16	ERJ8GEYJ1R5	1/8W 1.5	4	ERJ8GEYJ1R5V
R017-20	ERJ3GEYJ4R7V	1/16W 4.7	4	
R021,22	ERJ3GEYJ1R0V	1/16W 1	2	
R023-26	ERJ8GEYJ1R5	1/8W 1.5	4	ERJ8GEYJ1R5V
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	ERJ3GEYJ122V	1/16W 1.2K	1	
R052	ERJ3GEYJ104Z	1/16W 100K	1	
R053	ERJ6RBD103V	10K	1	
R054	ERJ3RED224	1/16W 220K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R055	ERJ3RBD102V	1/16W 1K	1	
R056,57	ERJ3GEYJ101V	1/16W 100	2	
R058	ERJ3GEYJ122V	1/16W 1.2K	1	
R101,02	ERJ6GEYJ100V	1/10W 10	2	
R103-06	ERJ3GEYJ133V	1/16W 13K	4	
R107,08	ERJ3GEYJ100V	1/16W 10	2	
R111,12	ERJ6GEYJ100V	1/10W 10	2	
R113-16	ERJ3GEYJ133V	1/16W 13K	4	
R117,18	ERJ3GEYJ100V	1/16W 10	2	
R121,22	ERJ6GEYJ100V	1/10W 10	2	
R123-26	ERJ3GEYJ133V	1/16W 13K	4	
R127,28	ERJ3GEYJ100V	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	CHIP JUMPER	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	1/10W 4.7	3	
R144	ERJ3GEYJ4R7V	1/16W 4.7	1	
R147-55	ERJ3GEYJ470V	1/16W 47	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	CHIP JUMPER	1	
R190,91	ERJ3GEY0R00V	CHIP JUMPER	2	
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	ERJ3GEYJ104Z	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	CHIP JUMPER	2	
R331,32	ERJ3GEYJ104Z	1/16W 100K	2	
R333,34	ERJ3GEYJ470V	1/16W 47	2	
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	ERJ3GEYJ103Z	1/16W 10K	2	
R353	ERJ3GEY0R00V	CHIP JUMPER	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	ERJ3GEYJ104Z	1/16W 100K	1	
R360	ERJ3GEYJ102V	1/16W 1K	1	

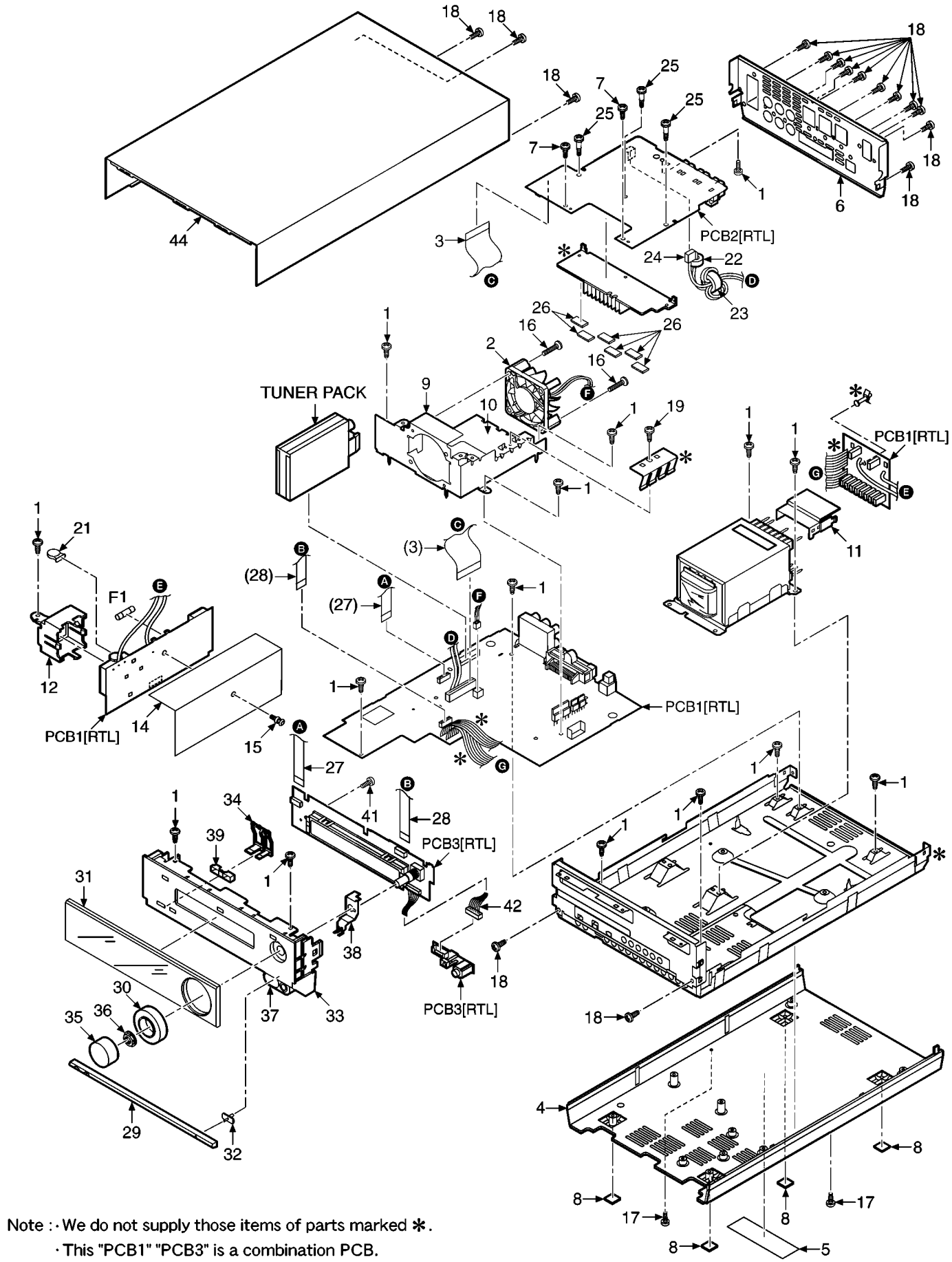
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R362	ERJ3GEYJ272V	1/16W 2.7K	1	
R363	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R364	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R365	ERJ3GEYJ104Z	1/16W 100K	1	
R366	ERJ3GEYJ393V	1/16W 39K	1	D0GB393JA002
R367,68	ERJ3GEYJ102V	1/16W 1K	2	
R369	ERJ3GEYJ683V	1/16W 68K	1	D0GB683JA002
R370	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R371	ERJ3GEYJ104Z	1/16W 100K	1	
R372	ERJ3GEYJ152V	1/16W 1.5K	1	
R373	ERJ3GEYJ183V	1/16W 18K	1	D0GB183JA002
R374	ERJ3GEYJ104Z	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	ERJ3GEYJ101V	1/16W 100	1	
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	ERJ3GEYJ103Z	1/16W 10K	1	
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	ERJ3GEYJ104Z	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	ERJ3GEYJ103Z	1/16W 10K	1	
R453,54	ERJ3GEYJ472V	1/16W 4.7K	2	
R465	ERJ3GEYJ101V	1/16W 100	1	
R466	ERJ3GEYJ683V	1/16W 68K	1	D0GB683JA002
R467	ERJ3GEYJ393V	1/16W 39K	1	D0GB393JA002
R468	ERG1SJ220	1W 22	1	
R471,72	ERJ3GEY0R00V	CHIP JUMPER	2	
R502	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R503,04	ERJ3GEYJ104Z	1/16W 100K	2	
R506,07	ERJ3GEYJ123V	1/16W 12K	2	
R508	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R510	ERJ3GEY0R00V	CHIP JUMPER	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	ERJ3GEYJ104Z	1/16W 100K	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R527	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R528-30	ERJ3GEYJ223V	1/16W 22K	3	D0GB223JA002
R601-04	ERJ3GEYJ102V	1/16W 1K	4	
R605	ERJ3GEYJ470V	1/16W 47	1	
R606	ERJ3GEYJ105V	1/16W 1M	1	
R607	ERJ3GEYJ221V	1/16W 220	1	
R608	ERJ3GEYJ331V	1/16W 330	1	D0GB331JA002
R609	ERJ3GEYJ271V	1/16W 270	1	
R610	ERJ3GEYJ122V	1/16W 1.2K	1	
R611,12	ERJ3GEYJ331V	1/16W 330	2	D0GB331JA002
R613	ERJ3GEYJ271V	1/16W 270	1	
R614	ERJ3GEYJ122V	1/16W 1.2K	1	
R615	ERJ3GEYJ104Z	1/16W 100K	1	
R616	ERJ3GEYJ472V	1/16W 4.7K	1	
R617,18	ERJ3GEYJ271V	1/16W 270	2	
R619,20	ERJ3GEYJ122V	1/16W 1.2K	2	
R621,22	ERJ3GEYJ102V	1/16W 1K	2	
R701	ERC12UGK335D	1/2W 3.3M	1	
R702	ERJ3GEYJ392V	1/16W 3.9K	1	
R703	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R704-06	ERJ3GEYJ103Z	1/16W 10K	3	
R708	ERJ3GEYJ272V	1/16W 2.7K	1	
R709,10	ERDS1FJ180	1/2W 18	2	
R711	ERJ3GEYJ151V	1/16W 150	1	
R712	ERD25V0R00T	1/4W 0	1	
R713	D4DA53310004	RESISTOR	1	
R715	ERJ3GEY0R00V	CHIP JUMPER	1	
R716	ERJ3GEYJ103Z	1/16W 10K	1	
R717,18	ERJ3GEY0R00V	CHIP JUMPER	2	
R720	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R721	ERJ3GEYJ221V	1/16W 220	1	
R723	ERJ3GEYJ101V	1/16W 100	1	
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	ERD25V0R00T	1/4W 0	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	
R747	ERJ3GEYJ103Z	1/16W 10K	1	
R829,30	ERJ3GEYJ104Z	1/16W 100K	2	
R839	ERJ3GEYJ103Z	1/16W 10K	1	
R851	ERJ3GEYJ103Z	1/16W 10K	1	
R852,53	ERJ3GEYJ472V	1/16W 4.7K	2	
R854	ERJ3GEYJ103Z	1/16W 10K	1	
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	ERJ3GEYJ103Z	1/16W 10K	1	
R861	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R864-66	ERJ3GEY0R00V	CHIP JUMPER	3	
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	ERJ3GEYJ102V	1/16W 1K	1	
R909*2	ERJ3GEYJ101V	1/16W 100	1	
R910	ERJ3GEYJ821V	1/16W 820	1	
R911	ERJ3GEYJ102V	1/16W 1K	1	
R911*2	ERJ3GEYJ271V	1/16W 270	1	
R912	ERJ3GEYJ102V	1/16W 1K	1	
R912*2	ERJ3GEYJ331V	1/16W 330	1	D0GB331JA002
R913	MCR03PZHJ561	1/16W 560	1	
R914	ERJ3GEYJ102V	1/16W 1K	1	
R917	ERJ3GEYJ151V	1/16W 150	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R918	ERJ3GEYJ102V	1/16W 1K	1	
R918*2	ERJ3GEYJ151V	1/16W 150	1	
R919	ERJ3GEYJ102V	1/16W 1K	1	
R919*2	ERJ3GEYJ104Z	1/16W 100K	1	
R920	ERJ3GEYJ222V	1/16W 2.2K	1	
R920*2	ERJ3GEYJ101V	1/16W 100	1	
R921	ERJ3GEYJ101V	1/16W 100	1	
R922	ERJ3GEYJ102V	1/16W 1K	1	
R922*2	ERJ3GEYJ101V	1/16W 100	1	
R923,24	ERJ3GEYJ102V	1/16W 1K	2	
R925	ERJ3GEYJ101V	1/16W 100	1	
R926,27	ERJ3GEYJ472V	1/16W 4.7K	2	
R928	ERJ3GEYJ101V	1/16W 100	1	
R929,30	ERJ3GEYJ102V	1/16W 1K	2	
R931	ERJ3GEYJ101V	1/16W 100	1	
R932	ERJ3GEYJ102V	1/16W 1K	1	
R933	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R935,36	ERJ3GEYJ223V	1/16W 22K	2	D0GB223JA002
R937	ERJ3GEYJ103Z	1/16W 10K	1	
R938	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R939	ERJ8GEYJ103V	1/8W 10K	1	
R941,42	ERJ3GEYJ223V	1/16W 22K	2	D0GB223JA002
R943	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R944,45	ERJ3GEYJ102V	1/16W 1K	2	
R946-48	ERJ3GEYJ104Z	1/16W 100K	3	
R950-61	ERJ3GEYJ102V	1/16W 1K	12	
R962-64	ERJ3GEYJ681V	1/16W 680	3	D0GB681JA002
R966	ERJ3GEYJ101V	1/16W 100	1	
R967	ERJ3GEYJ103Z	1/16W 10K	1	
R968-70	ERJ3GEYJ101V	1/16W 100	3	
R971	ERJ3GEYJ103Z	1/16W 10K	1	
R972	ERJ3GEYJ222V	1/16W 2.2K	1	
R973	ERJ3GEYJ824V	1/16W 820K	1	D0GB824JA002
R974,75	ERJ3GEYJ103Z	1/16W 10K	2	
R977	ERJ3GEYJ101V	1/16W 100	1	
R979	ERJ3GEYJ103Z	1/16W 10K	1	
R980	ERJ3GEYJ472V	1/16W 4.7K	1	
R981	ERJ3GEYJ104Z	1/16W 100K	1	
R982	ERJ3GEYJ101V	1/16W 100	1	
R983	ERJ3GEYJ472V	1/16W 4.7K	1	
R984	MCR03PZHJ561	1/16W 560	1	
R987	ERJ3GEYJ101V	1/16W 100	1	
R988	ERJ3GEYJ102V	1/16W 1K	1	
R989	ERJ3GEYJ101V	1/16W 100	1	
R990	ERJ3GEYJ102V	1/16W 1K	1	
R991	ERJ3GEYJ101V	1/16W 100	1	
R992	ERJ3GEYJ104Z	1/16W 100K	1	
R993	ERJ3GEYJ101V	1/16W 100	1	
R994	ERJ3GEYJ472V	1/16W 4.7K	1	
R995,96	ERJ3GEYJ102V	1/16W 1K	2	
R997	ERJ3GEYJ103Z	1/16W 10K	1	
R998	ERJ3GEYJ153V	1/16W 15K	1	
R999	ERJ3GEYJ104Z	1/16W 100K	1	
R1020-31	ERJ3GEYJ1R0V	1/16W 1	12	
RJ001-10	ERJ3GEY0R00V	CHIP JUMPER	10	
RJ1-J3	ERJ3GEY0R00V	CHIP JUMPER	3	
RJ5-J7	ERJ3GEY0R00V	CHIP JUMPER	3	
RJ8	ERJ6GEY0R00V	CHIP JUMPER	1	
RJ9-16	ERJ8GEY0R00V	CHIP JUMPER	8	D0YFR0000002
RJ17,18	ERJ3GEY0R00V	CHIP JUMPER	2	
RJ30-32	ERJ8GEY0R00V	CHIP JUMPER	3	D0YFR0000002
RJ34-39	ERJ3GEY0R00V	CHIP JUMPER	6	
RJ40-42	ERJ8GEY0R00V	CHIP JUMPER	3	D0YFR0000002
RJ43,44	ERJ6GEY0R00V	CHIP JUMPER	2	
RJ45-47	ERJ3GEY0R00V	CHIP JUMPER	3	
RJ48	ERJ8GEY0R00V	CHIP JUMPER	1	D0YFR0000002
RJ49	ERJ3GEY0R00V	CHIP JUMPER	1	
RJ50	ERJ8GEY0R00V	CHIP JUMPER	1	D0YFR0000002
RJ51,52	ERJ3GEY0R00V	CHIP JUMPER	2	
RJ53	ERJ8GEY0R00V	CHIP JUMPER	1	D0YFR0000002
RJ54,55	ERJ3GEY0R00V	CHIP JUMPER	2	
RJ56	ERJ8GEY0R00V	CHIP JUMPER	1	D0YFR0000002

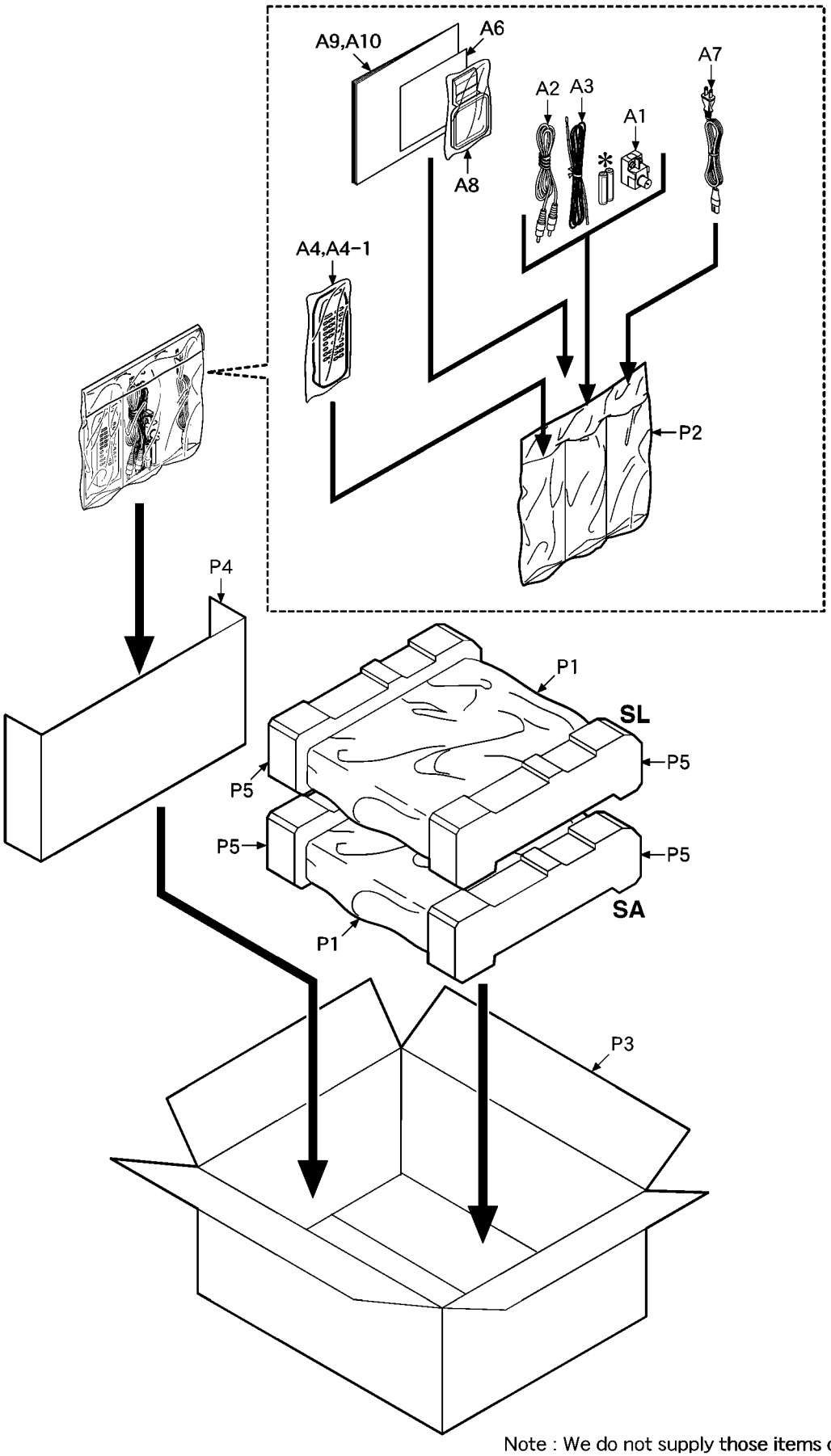
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
RJ72-74	ERJ8GEY0R00V	CHIP JUMPER	3	D0YFR0000002
RJ501-04	ERJ6GEY0R00V	CHIP JUMPER	4	
RJ601	ERJ3GEY0R00Z	CHIP JUMPER	1	
RL702	RSY0040M-0	RELAY	1	⚠
S901,02	EVQPJG05Q	SW,OPERATION	2	
T701	ETP59VVUE1DA	POWER TRANSFORMER	1	⚠
T702	ETP28KBZ21JU	SUB POWER TRANSFORMER	1	⚠
VR901	EVEKC2F3024B	VR,VOLUME	1	
X131	H0H245500013	OSCILLATOR	1	
X132	H0H254500002	OSCILLATOR	1	
X601	RSXZ36M8M01T	OSCILLATOR	1	
X942	H2B100500004	OSCILLATOR	1	
Z001	J0JBC0000015	COIL	1	
Z002,03	VLP0155-T	COIL	2	J0JCC0000119
Z004-08	J0JBC0000015	COIL	5	
Z701	ERZV10V511CS	ZNR	1	⚠
Z901	B3RAD0000035	PHOTO SENSOR	1	
Z1001	ENG06701Q	TUNER PACK	1	

18 Cabinet Parts Location

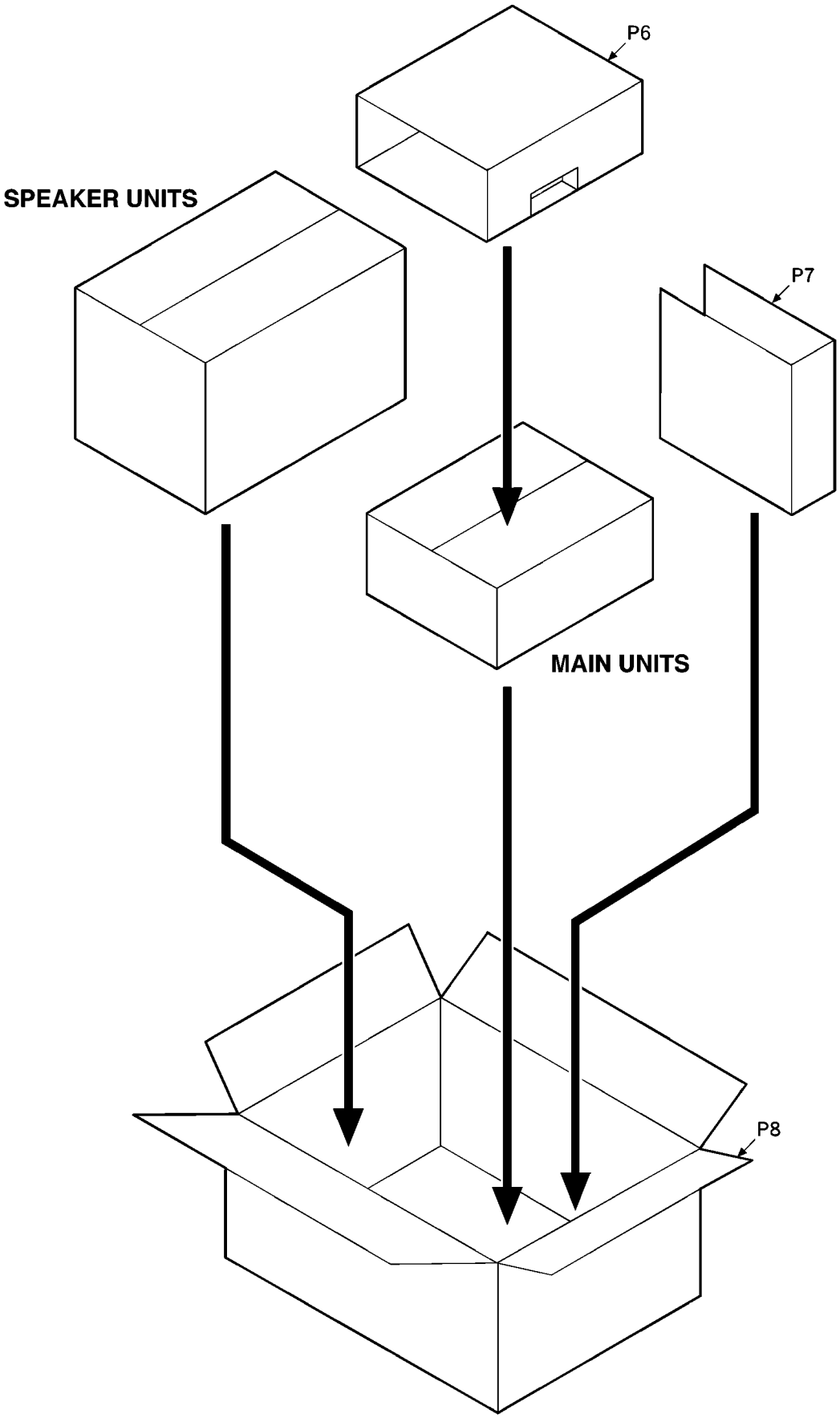


Note : · We do not supply those items of parts marked ✻.
· This "PCB1" "PCB3" is a combination PCB.

19 Packaging



Note : We do not supply those items of parts marked ✻.


P6
SPEAKER UNITS
P7
MAIN UNITS
P8