

TA-FA1200ES

SERVICE MANUAL

Ver. 1.1 2006.12

AEP Model
UK Model



This amplifier incorporates Dolby* Digital and DTS**.

* Manufactured under license from Dolby Laboratories.

“Dolby” and the double-D symbol are trademarks of Dolby Laboratories.

** “DTS” and “DTS 2.0” are trademarks of Digital Theater Systems, Inc.

SPECIFICATIONS

Amplifier section

POWER OUTPUT

Rated Power Output*

8 ohms 1 kHz, THD 0.7%:

110 W + 110 W

4 ohms 1 kHz, THD 0.7%:

120 W + 120 W

Power requirements 230 V AC, 50/60 Hz

* Measured under the following conditions:

Power requirements: 230 V AC, 50/60 Hz

(in countries/area in Europe
other than UK)

240 V AC, 50/60 Hz

(in UK and general area)

Frequency response

PHONO	RIAA equalization curve ± 0.5 dB
-------	-------------------------------------

TUNER, SA-CD/CD, TAPE	10 Hz – 40 kHz ± 3 dB (8 ohms)
--------------------------	-----------------------------------

Inputs (Analog)

PHONO	Sensitivity: 2.5 mV Impedance: 50 kohms S/N: 86 dB (A, 20 kHz LPF)
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TUNER, SA-CD/CD, TAPE	Sensitivity: 150 mV Impedance: 50 kohms S/N: 96 dB (A, 20 kHz LPF)
--------------------------	---

Output (Analog)

TAPE	Voltage: 150 mV Impedance: 1 kohms
------	---------------------------------------

Inputs (Digital)

DIGITAL 1/2/3	Impedance: 75 ohms S/N: 96 dB (A, 20 kHz LPF)
DIGITAL 4	S/N: 96 dB (A, 20 kHz LPF)

– Continued on next page –

INTEGRATED STEREO AMPLIFIER

9-887-377-02
2006L05-1
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Sony Corporation
Home Audio Division
Published by Sony Techno Create Corporation

SONY®

Output (Digital)

DIGITAL 4	S/N: 96 dB (A, 20 kHz LPF)
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TONE

TREBLE	±10 dB, 1 dB step
BASS	±10 dB, 1 dB step

General

Power requirements 230 V AC, 50/60 Hz
(in countries/area in
Europe other than UK)
240 V AC, 50/60 Hz
(in UK and general area)

Power consumption 100 W

Power consumption (during standby mode)
0.5 W

AC outlets 1 switched, 100 W/0.4 A
MAX (in countries/area in
Europe other than UK)

Dimensions 430 × 173 × 428 mm
including projecting parts
and controls

Mass (Approx.) 14.0 kg

Supplied accessories

Operating Instructions

Optimizer microphone ECM-AC1 (1)

AC power cord (mains lead) (1)

Remote commander RM-AAU010 (1)

R6 (size-AA) batteries (2)

Design and specifications are subject to
change without notice.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1 SERVICING NOTES

• MODEL IDENTIFICATION

– Back Panel –



Model	PART No.
AEP model	2-688-071-1□
UK model	2-688-072-2□

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

LF: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
Soldering irons using a temperature regulator should be set to about 350 °C.
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

NOTE WHEN MEASURING THE VOLTAGE OF THE CIRCUITS THAT USE VIRTUAL GROUND

This set contains the circuits that take grounding not from usual ground but from virtual ground.

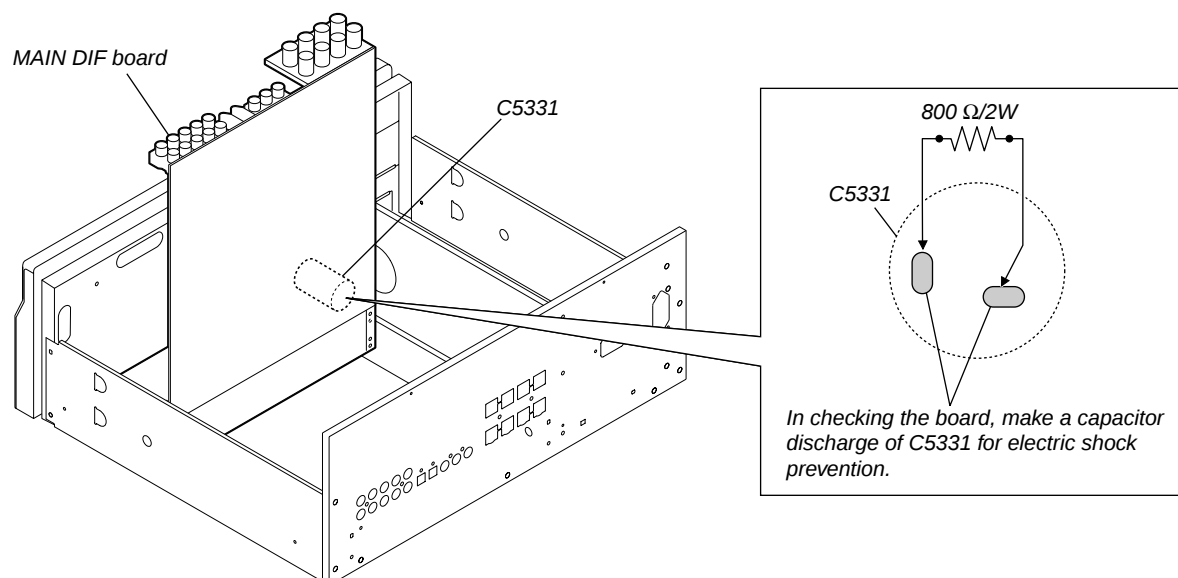
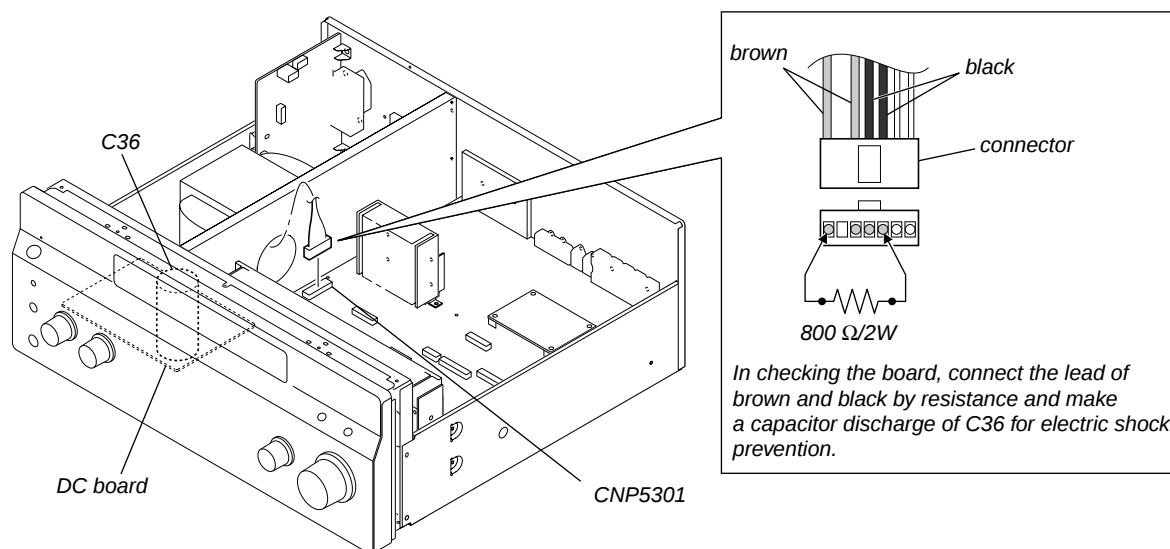
When measuring circuits in the MAIN DIF board that take "V-GND" as a ground, take grounding from CNP5202 pin ③ of the MAIN DIF board.

ERROR MESSAGES

If there is a malfunction, the display shows a code of two numbers and a message. You can check the condition of the system by message. Refer to the following table to solve the problem.

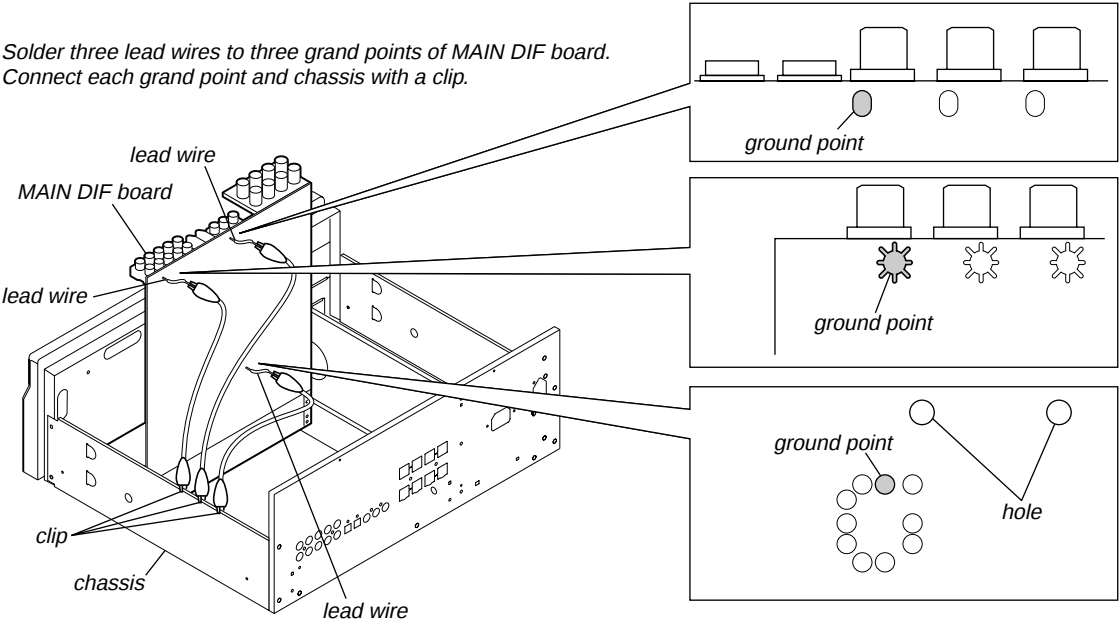
Messages	Check code	Cause and Response
PROTECTOR	11	Irregular current is output from the speakers. Turn off the amplifier, check the central core of a speaker cord is not touching the amplifier or other speakers, and turn on again. When using a bi-wiring connection, check that the metal fittings attached to the speakers that are used to short the Hi/Lo terminals have been removed from the speakers.
PROTECTOR	12	The amplifier section is overheated. Check that the ventilation hole is not covered. Turn off the amplifier, leave the amplifier for a while, and turn on the power again. When using a bi-wiring connection, check that the metal fittings attached to the speakers that are used to short the Hi/Lo terminals have been removed from the speakers.
PROTECTOR	13	The power section is overheated. Check that the ventilation hole is not covered. Turn off the amplifier, leave the amplifier for a while, and turn on the power again. When using a bi-wiring connection, check that the metal fittings attached to the speakers that are used to short the Hi/Lo terminals have been removed from the speakers.
PROTECTOR	14	Turn off the amplifier, check the central core of a speaker cord is not touching the amplifier or other speakers.
PROTECTOR	21	Turn off the amplifier and check that the speaker cords are connected correctly, then turn the power on again. When using a bi-wiring connection, check that the metal fittings attached to the speakers that are used to short the Hi/Lo terminals have been removed from the speakers.

DISCHARGING THE CAPACITORS

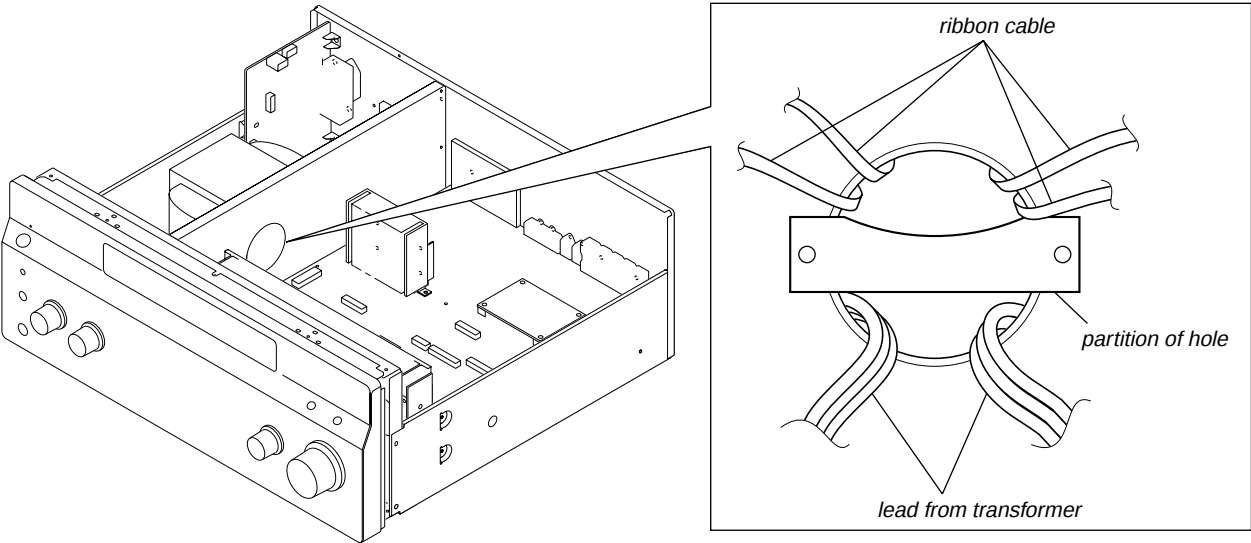


MAIN DIF BOARD SERVICE POSITION

Solder three lead wires to three grand points of MAIN DIF board.
Connect each grand point and chassis with a clip.



HARNESS SETTING

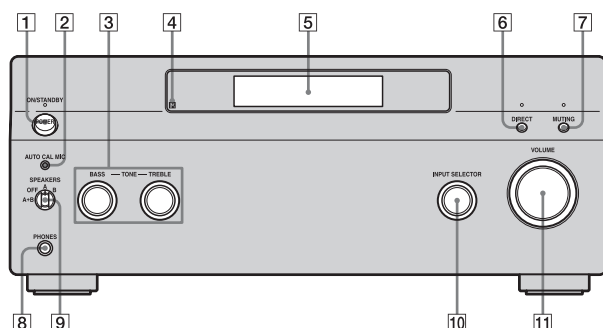


SECTION 2 GENERAL

This section is extracted from instruction manual.

Location of Parts and Operation

Front panel

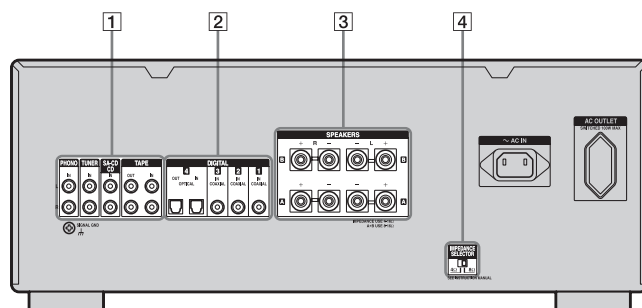


Name	Function
1 POWER	Press to turn the amplifier on or off.
2 AUTO CAL MIC jack	Connects to the supplied optimizer microphone for the Auto Calibration function.
3 TONE BASS/TREBLE	Turn to adjust the BASS and TREBLE levels. The level can be adjusted from -10 dB to +10 dB.

Name	Function
4 Remote sensor	Receives signals from the remote.
5 Display	The current status of the selected component or a list of selectable items appears here.
6 DIRECT	Press to bypass the TONE function to listen to better quality sound. Note When you play back a DTS 96/24 format disc, set the DIRECT function to ON. If the DIRECT function is set to OFF, the DTS signal is played back at 48 kHz.

Name	Function
7 MUTING	Press to activate the muting function.
8 PHONES jack	Connects to headphones.
9 SPEAKERS (OFF/A/B/A+B)	Turn to select OFF, A, B, A+B of the speakers.
10 INPUT SELECTOR	Turn to select the input source to play back.
11 VOLUME	Turn to adjust the volume level of speakers.

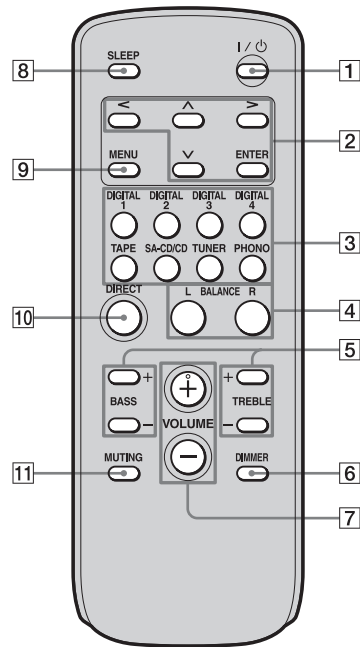
Rear panel



1 AUDIO INPUT/OUTPUT section	
	AUDIO IN/OUT jacks Connects to a Super Audio CD player, tape deck, MD deck or DAT player, etc.
2 DIGITAL INPUT/OUTPUT section	
	COAXIAL IN jacks Connects to a DVD player, Super Audio CD player, etc. The COAXIAL jacks provide a better quality sound.
3 SPEAKERS section	
	Connects to speakers.
4 IMPEDANCE SELECTOR	
	Set the appropriate speaker impedance for the speakers you are using.

Remote commander

RM-AAU010

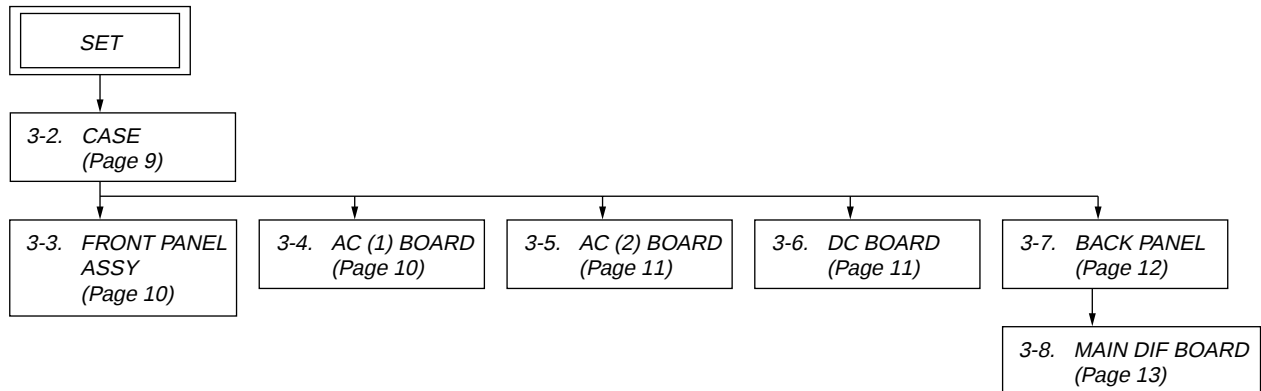


Name	Function
1 I/O (on/standby)	Press to turn the amplifier on or off.
2 ^/V/</> ENTER	After pressing MENU (9), press ^/V, < or > to select the settings. Then press ENTER to enter the selection.
3 Input buttons	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the amplifier turns on.
4 BALANCE L/R	Press to adjust the balance between left and right speakers. Both the left and the right balance can be adjusted from 0 dB to +20 dB. The initial setting is 0 dB (center).
5 BASS/ TREBLE +/-	Press to adjust the BASS and TREBLE levels. The level can be adjusted from -10 dB to +10 dB.
6 DIMMER	Press to adjust brightness of the display.
7 VOLUME +/-	Press to adjust the volume level of speakers. The level can be adjusted from -∞ dB to +23 dB.
8 SLEEP	Press to activate the Sleep Timer function and the duration which the amplifier turns off automatically. The Sleep Timer can be set to 30, 60, 90, or 120 minutes.
9 MENU	Press to display the menu for the amplifier.
10 DIRECT	Press to bypass the TONE function to listen to better quality sound. Note When you play back a DTS 96/24 format disc, set the DIRECT function to ON. If the DIRECT function is set to OFF, the DTS signal is played back at 48 kHz.
11 MUTING	Press to activate the muting function.

SECTION 3 DISASSEMBLY

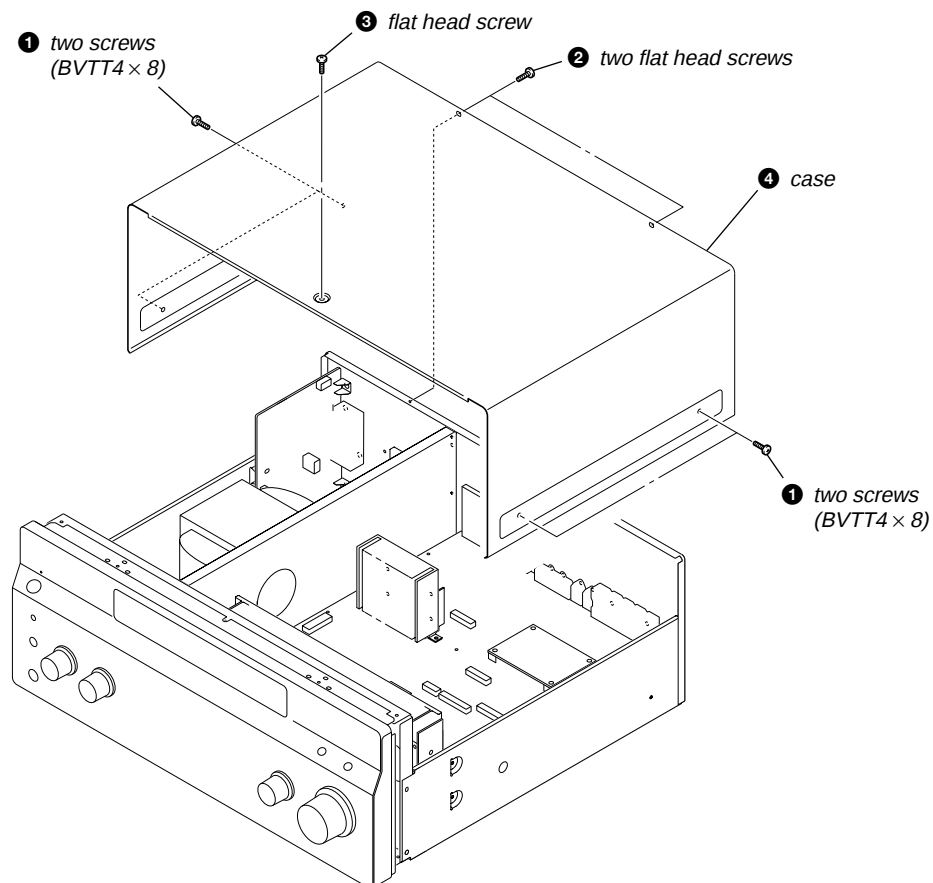
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

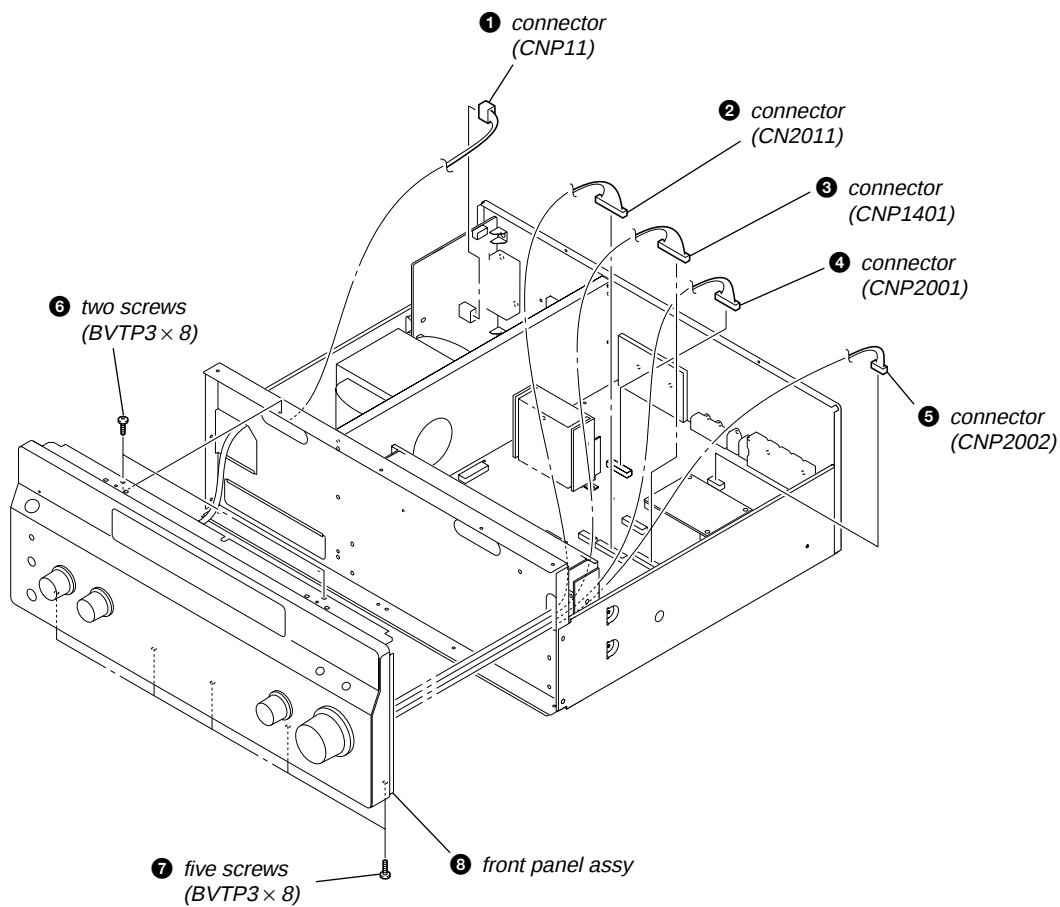


Note: Follow the disassembly procedure in the numerical order given.

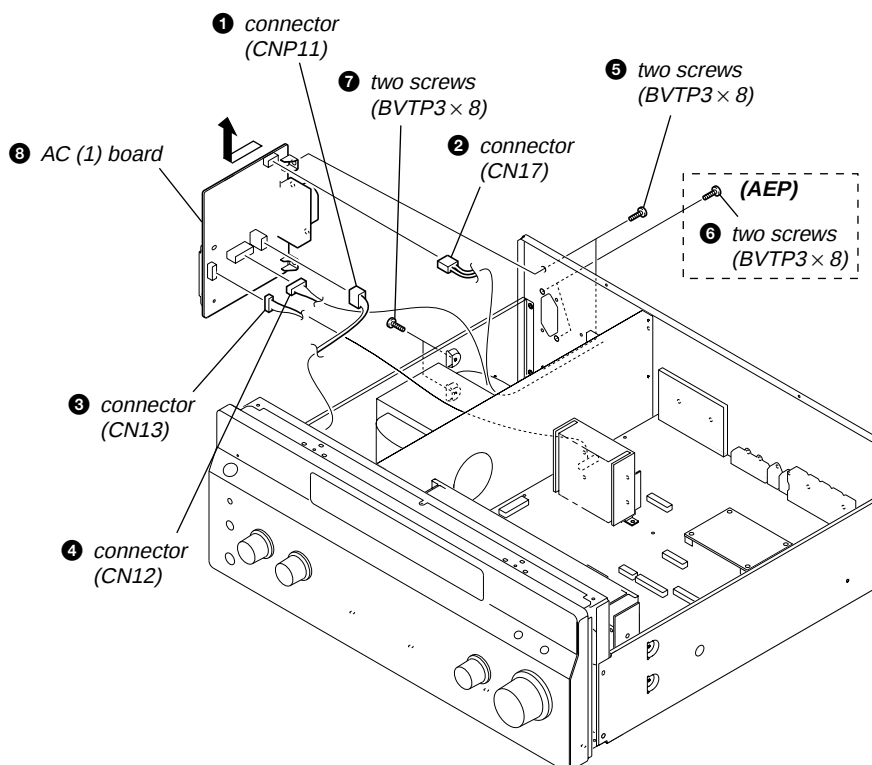
3-2. CASE



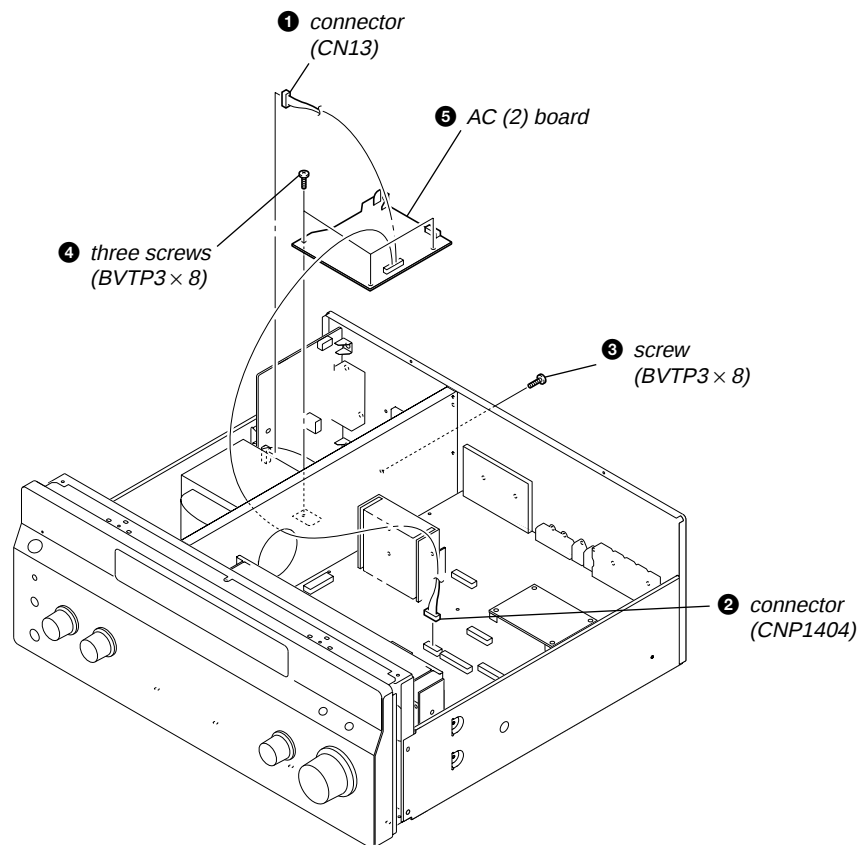
3-3. FRONT PANEL ASSY



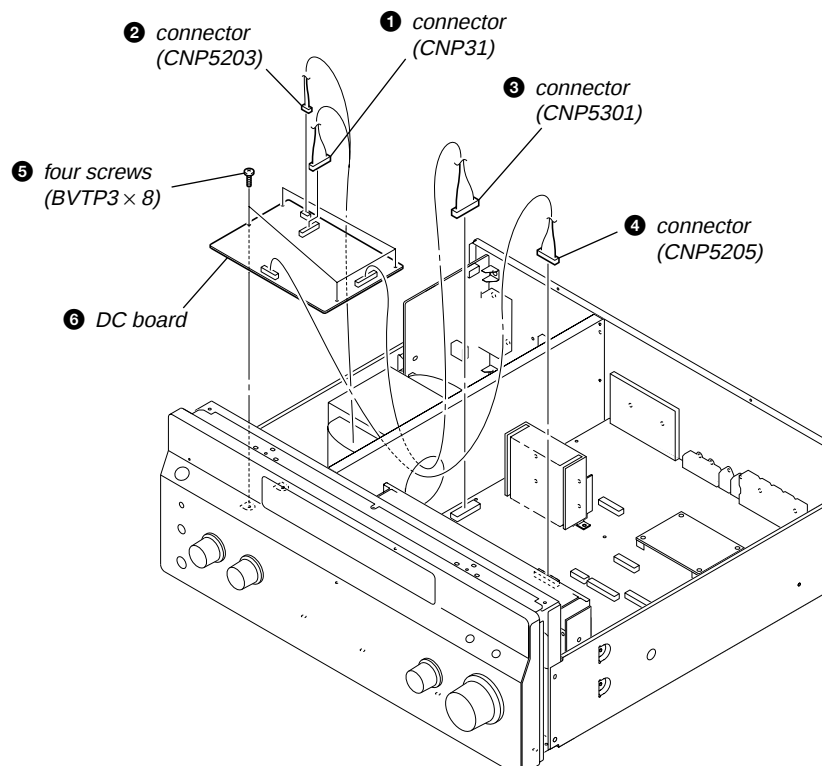
3-4. AC (1) BOARD



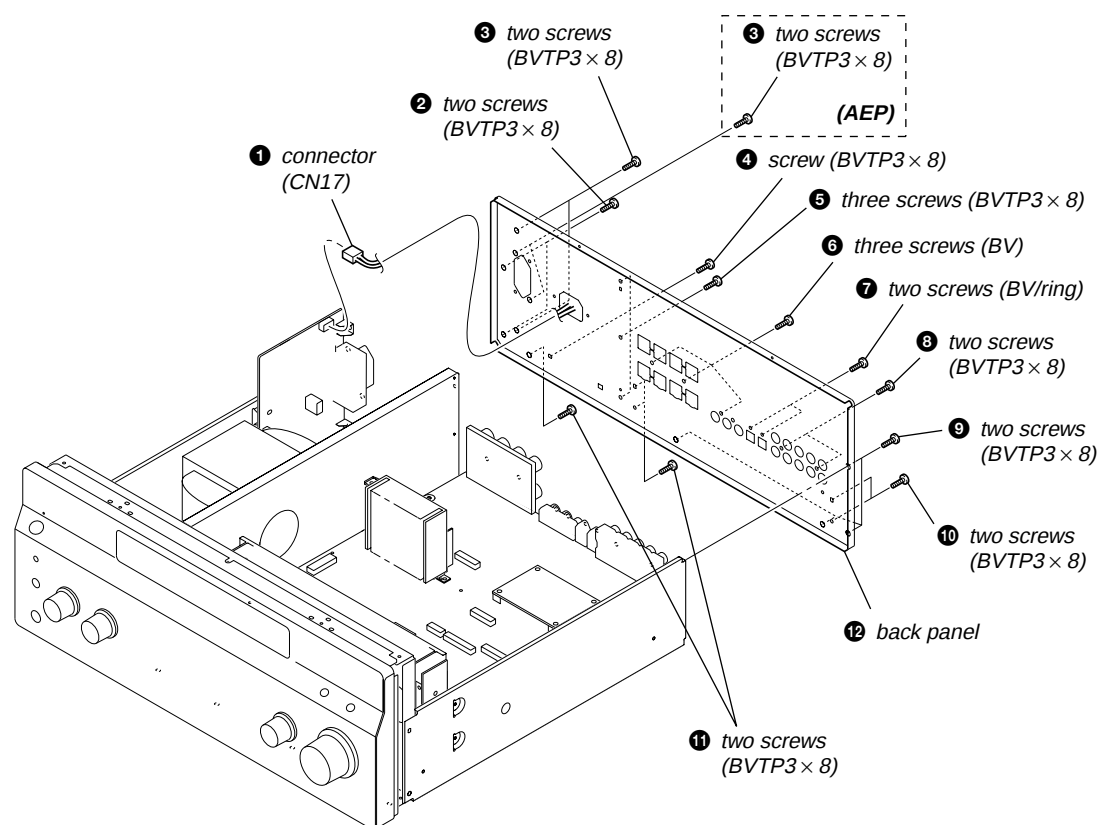
3-5. AC (2) BOARD



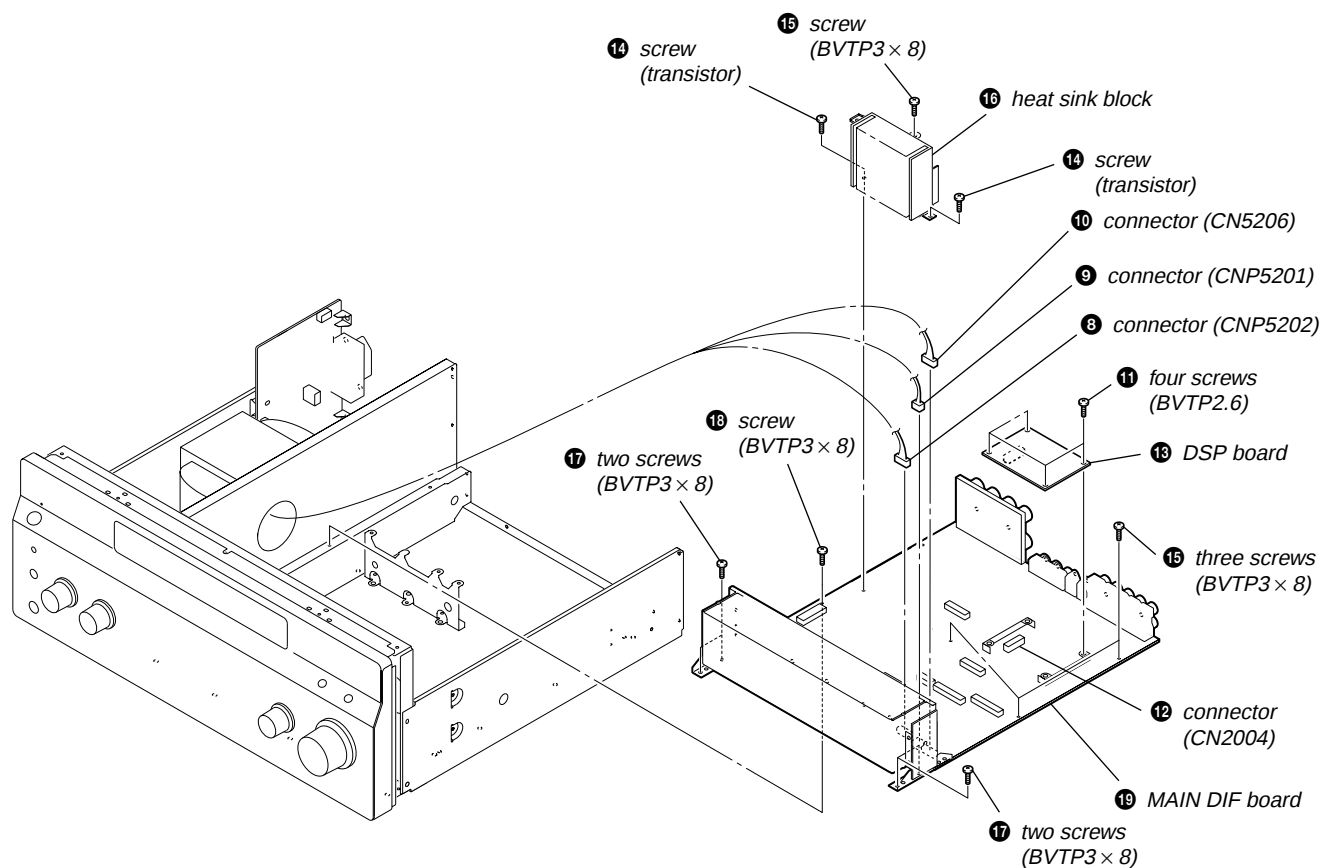
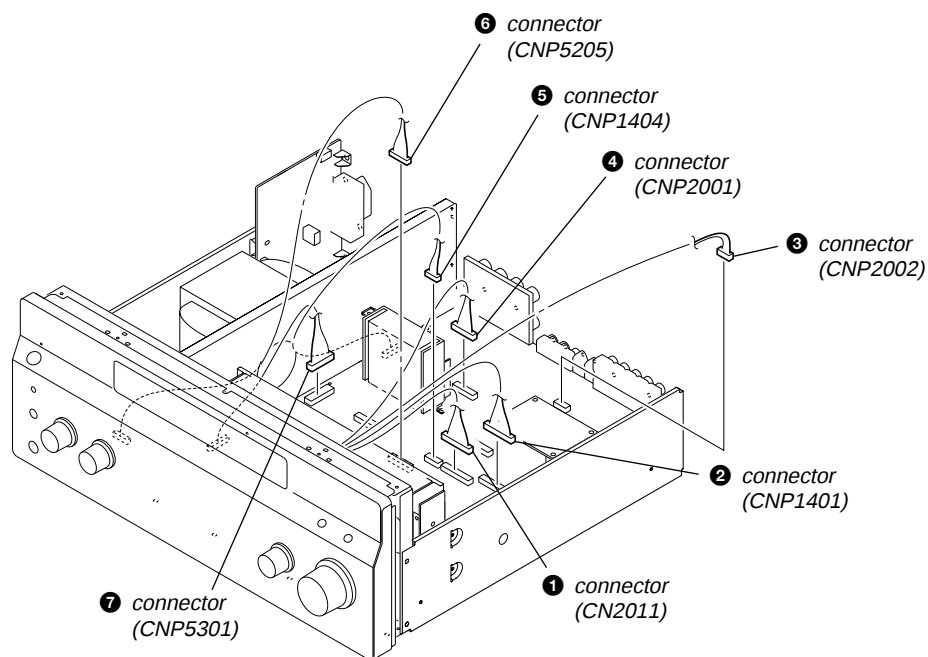
3-6. DC BOARD



3-7. BACK PANEL



3-8. MAIN DIF BOARD



SECTION 4

TEST MODE

MEMORY CLEARING MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the **[DIRECT]** and **[MUTING]** buttons, press the **[POWER]** button to turn on the main power.
2. The message “MEMORY CLEARING...” appears and the memories are reset to the default values.
3. When done, the message “MEMORY CLEARED !” appears.

SPECIAL MENU MODE

Procedure:

1. Press the **[POWER]** button to turn on the main power and the **[SPEAKERS]** switch is set in off, then while pressing the **[DIRECT]** button, press the **[MUTING]** button.
2. The message “MENU SPECIALIZED!” appears.
3. When **[Δ]****[▽]** key of the remote commander is pressed after **[MENU]** key of the remote commander is pressed, the message “SPECIAL” appears.
4. The item of special menu mode is selected pressing **[Δ]****[▽]** key of the remote commander after **[ENTER]** key of the remote commander is pressed.
5. To release from this mode, the **[SPEAKERS]** switch is set in off and while pressing the **[DIRECT]** button, press the **[MUTING]** button again, the message “MENU SPECIALIZED OFF” appears.

Note 1: Turn on the power supply again when usually operating after it changes in special menu mode.

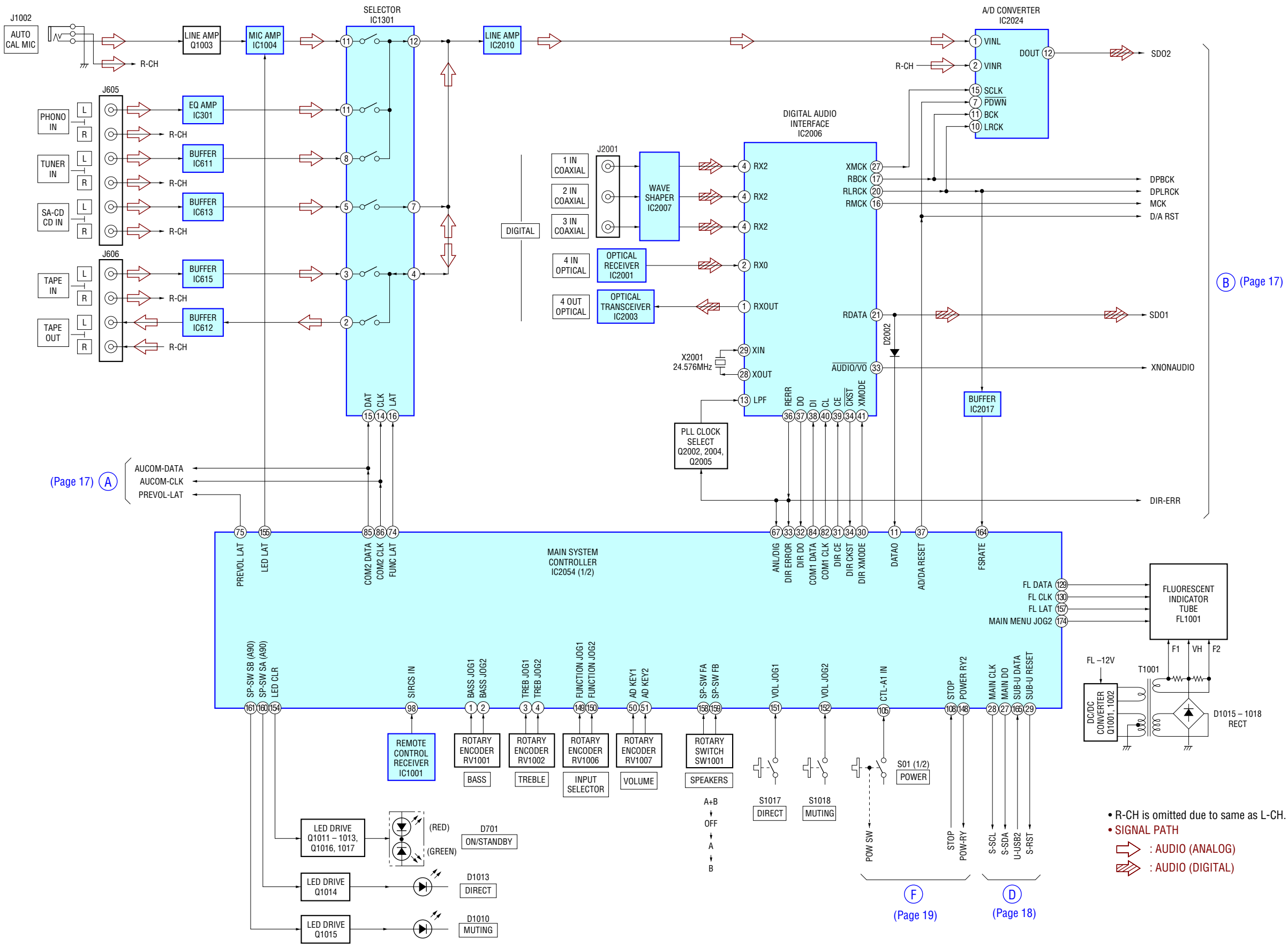
Note 2: The setting remains even if coming off the menu. The setting is cleared when turning off power.

Items	Display	Remark
Protector on/off	PROTECTOR ON/OFF [XXX]	“ON”: Power supply will cut in 5 seconds when the protector works. “OFF”: Power supply doesn't cut when the protector works. Note: It is not possible to set it to ON until turning off power when the protector setting is set to OFF. Turn on the power supply again when setting it to ON. XXX: ON or OFF (It switches by pressing the [Δ] [▽] key of the remote commander after the item is fixed pressing the [ENTER] key of the remote commander)
Model version display	##### *** vX. XX @@@@	#####: model ***: destination X.XX: main system controller software version @@@@: Sum value of flash memory in the main system controller
Model/destination change	MODEL [##### * * * *] X X	Not used
FM/AM tuner version display	FM/AM Tuner Ver X. XX	Not used
HDMI controller version display	HDMI Micom Ver X. XX	Not used
HDMI controller update mode	HDMIUcom Update [XXX]	Not used
Speaker output setting	SPEAKER OUT XXXXX	XXXXX: Selection of speaker output audio [SOURCE]: nomally mode, [MIC]: mode that output audio from mic from speaker (It switches by pressing the [Δ] [▽] key of the remote commander after the item is fixed pressing the [ENTER] key of the remote commander)
FL display fonts test	FL FONT 0x** = [X]	** : 20 to FE, X: character (It switches by pressing the [Δ] [▽] key of the remote commander after the item is fixed pressing the [ENTER] key of the remote commander)
FL display test	ALL ON	Each time DISPLAY button to change as follows. all on → test pattern 1 → test pattern 2 → all off → all on
Audio swap mode	SWAP [XXXXXXXXXXXX]	Not used
DSP halt	DSP HALT [XXX]	XXX: ON or OFF (It switches by pressing the [Δ] [▽] key of the remote commander after the item is fixed pressing the [ENTER] key of the remote commander) Mode not to send DSP host code, and to make only decipherment done
DSP Version display	DSP Ver S: ***, P: XXX	***: DSP decoder patch version XXX: DSP post process version
Volume value display (FL/FR)	FL**** FR XXXX	****: Front L-ch volume value XXXX: Front R-ch volume value
Volume value display (SL/SR)	SL**** SR XXXX	Not used
Volume value display (CT/SW)	CT**** SW XXXX	Not used

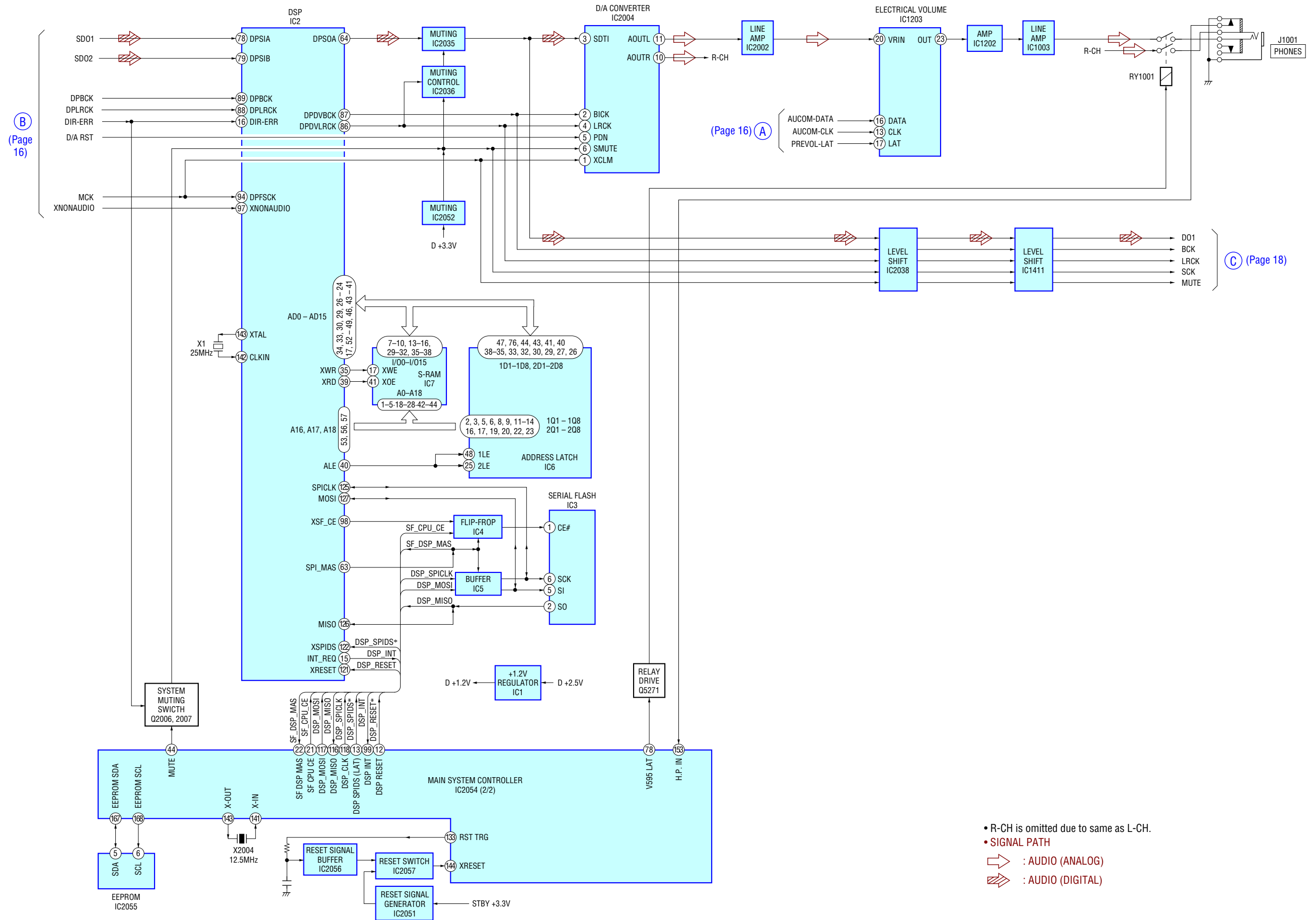
Items	Display	Remark
Volume value display (SBL/SBR)	SBL**** SBR XXXX	Not used
EERROM debug	EEPROM [****] FR XX	****: EEPROM address XX: EEPROM data (It switches by pressing the A V key of the remote commander after the item is fixed pressing the ENTER key of the remote commander)
Super reset	SUPER RESET [XXX]	Not used for the servicing If super reset is performed, “up convert signal level adjustment” will also be initialized When EEPROM initialization is required, perform the “all clear mode”
2nd volume value display	2nd VOLUME XXX	Not used
FL display duty change	DARK OUT DUTY [XXX%]	Not used
Clock setting value display	STOP CLK [XX] [XX] [XX]	Value of register related to clock of main system controller display mode (for design evaluation)
Sub system controller version display	Sub Micom Ver. X.XX	X.XX: Sub system controller software version
Fan control	FAN CTL ON/OFF [XXX]	Not used
Sub system controller retry counter	Sub Micom RtryCntXXX	XXX: Communication retry count from main system controller side to sub system controller side
Sub system controller status	Sub Micom Stat: XXXXX	XXXXX: Status in main system controller when communicating with sub system controller side from main system controller side.
	↓	(It moves to each mode when the A V key of the remote commander is pressed after the ENTER key of the remote commander is pressed)
	Scom Busy Tx/Rx: XXX	XXX: Busy counter of Tx/Rx
Sub system controller update mode	↓	
	Scom Index: XXXXXXXXX	XXXXXXXXX: Last command forwarded to sub system controller
	SubUcom UpDate [XXX]	XXX: ON or OFF (It switches by pressing the A V key of the remote commander after the item is fixed pressing the ENTER key of the remote commander) Reset control from the main system controller side and the reset control from the PC side interfere mutually when updating the sub system controller and it becomes writing NG Therefore, when this mode is set to ON, the reset control from the main system controller side is not done
Sub system controller current detect level setting (8Ω)	8ohm OverCR Th [XXX]	Not used

SECTION 5
DIAGRAMS

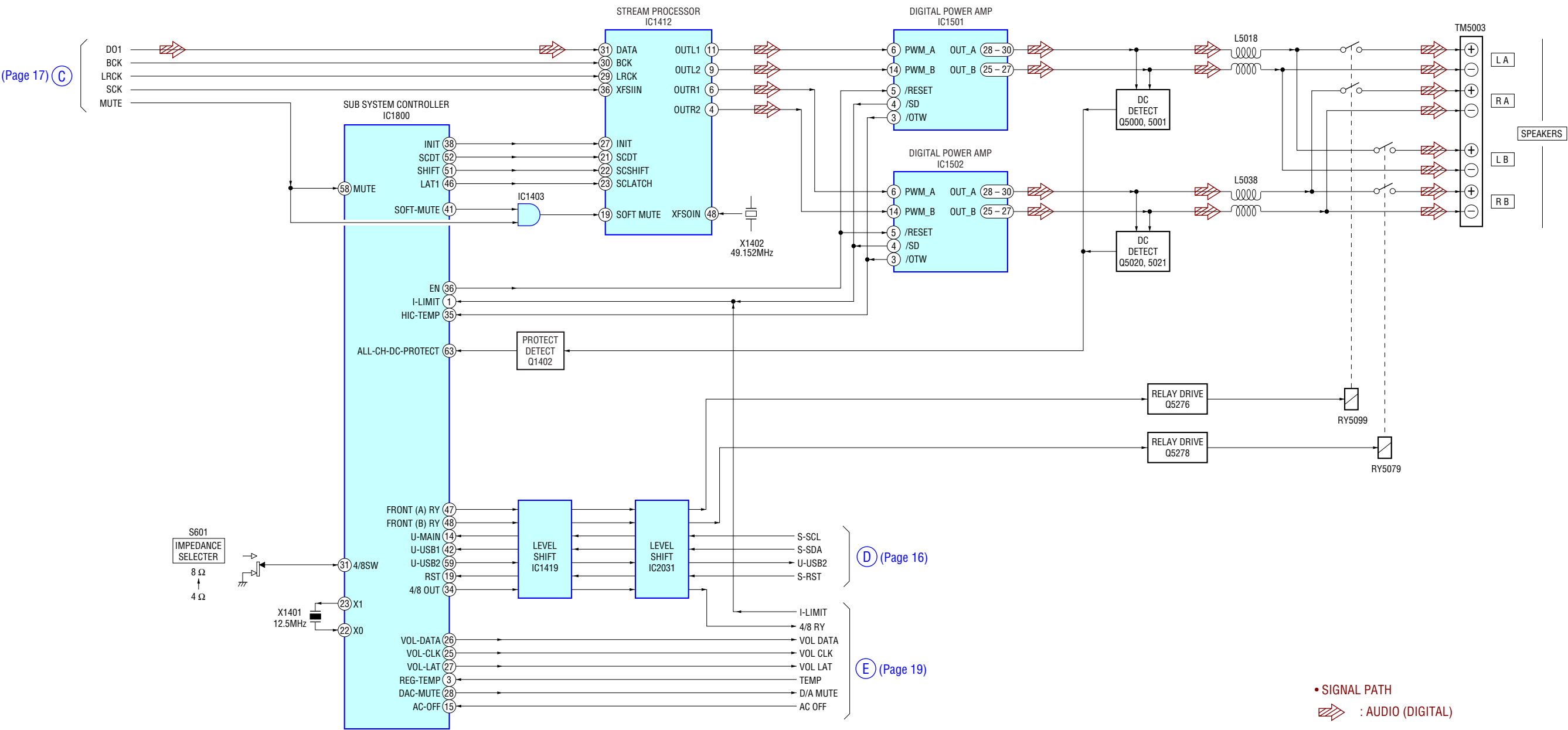
5-1. BLOCK DIAGRAM – CONTROL Section –



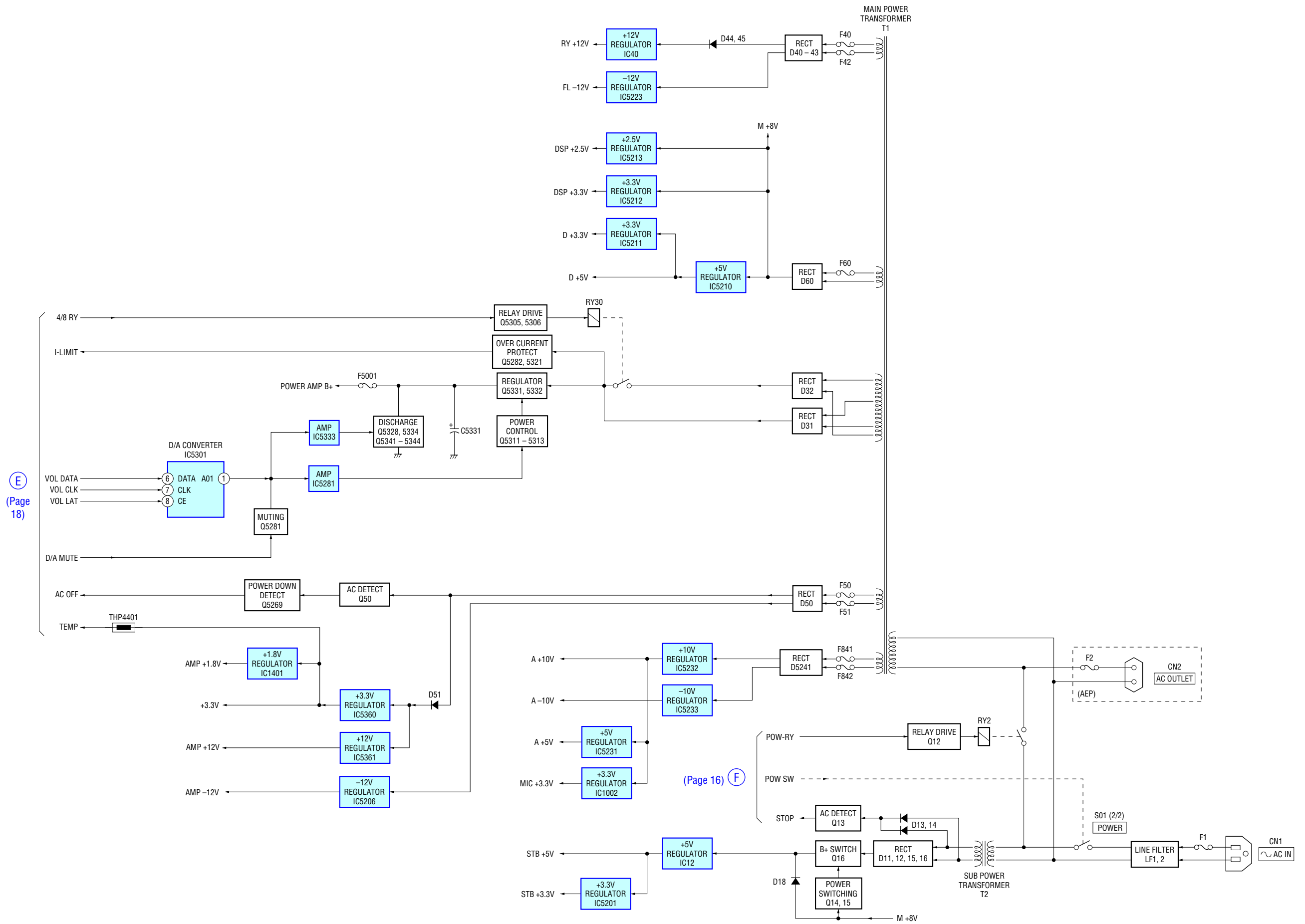
5-2. BLOCK DIAGRAM – DSP Section –



5-3. BLOCK DIAGRAM – AMP Section –



5-4. BLOCK DIAGRAM – POWER SUPPLY Section –



• Note for Printed Wiring Boards and Schematic Diagrams

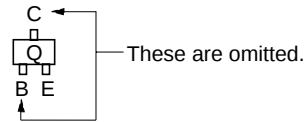
Note on Printed Wiring Board:

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- △ : internal component.
- : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

Caution:	
Pattern face side:	Parts on the pattern face side seen from the pattern face are indicated.
(Conductor Side)	
Parts face side:	Parts on the parts face side seen from the parts face are indicated.
(Component Side)	

Caution:	
Pattern face side:	Parts on the pattern face side seen from the pattern face are indicated.
(Side B)	
Parts face side:	Parts on the parts face side seen from the parts face are indicated.
(Side A)	

- Indication of transistor



- DSP board is multi-layer printed board.
However, the patterns of intermediate layers have not been included in thsi diagrams.

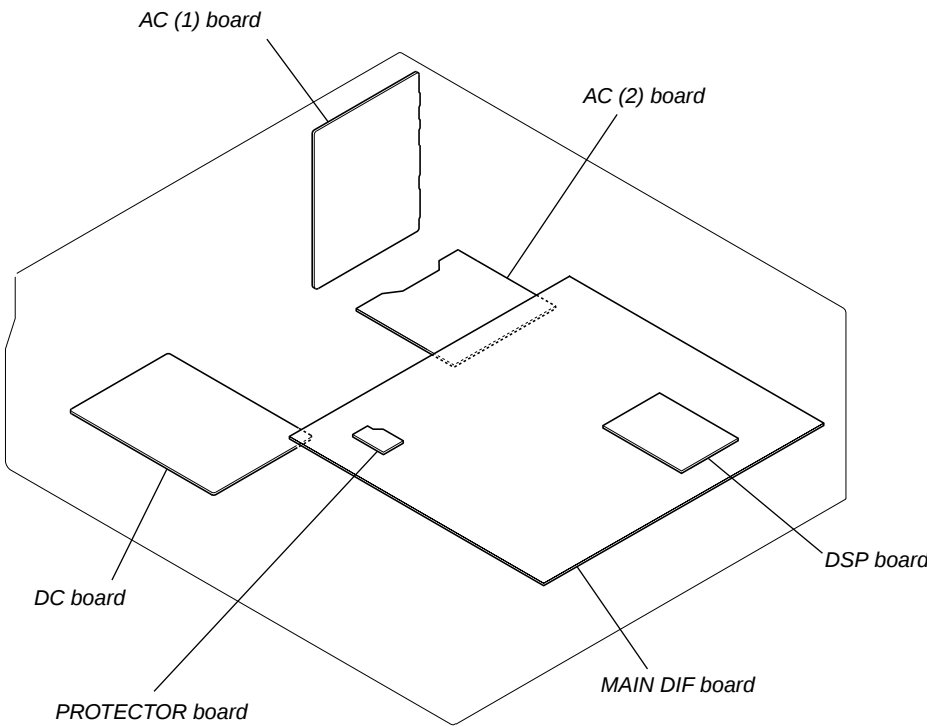
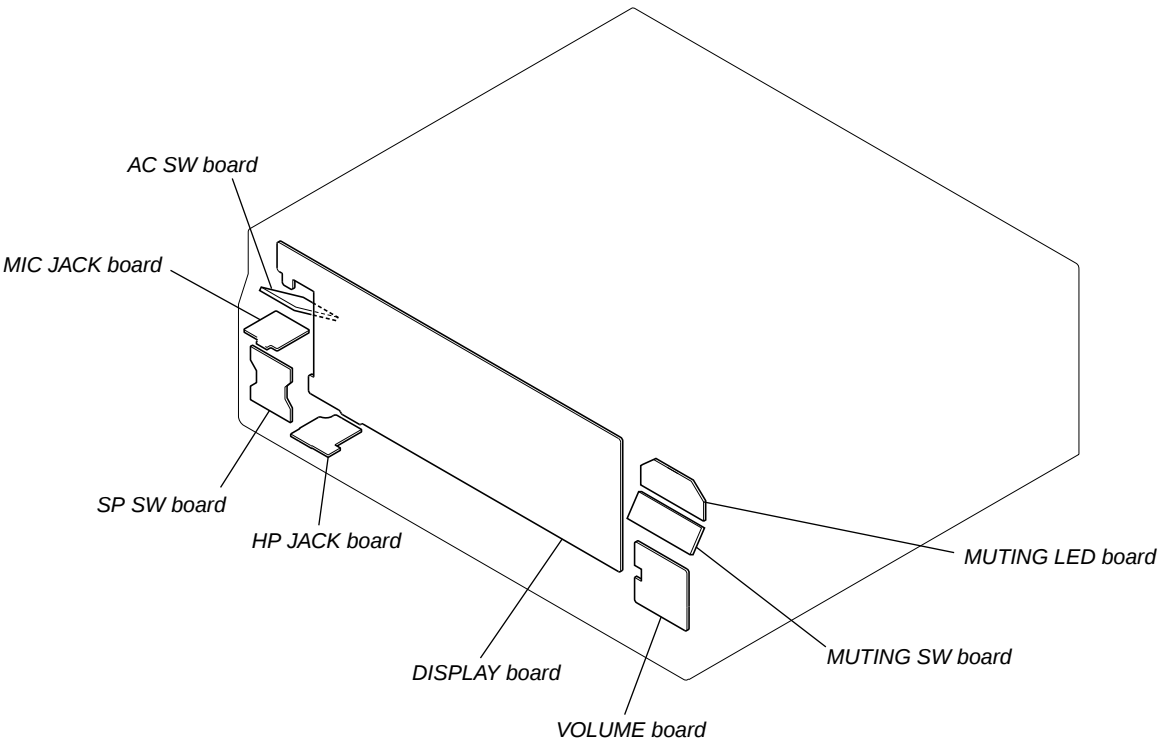
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. (p: pF)
50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- △ : internal component.
- ⊞ : fusible resistor.
- ⊞ : nonflammable resistor.
- : panel designation.

Note: The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

- : B+ Line.
- - - : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
(When measuring circuit that used "V-GND" of the MAIN DIF board, ground it from CNP5202 pin ③ on the MAIN DIF board.)
- no mark : TUNER
- * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
- ⇒ : AUDIO (ANALOG)
- ⇒ : AUDIO (DIGITAL)

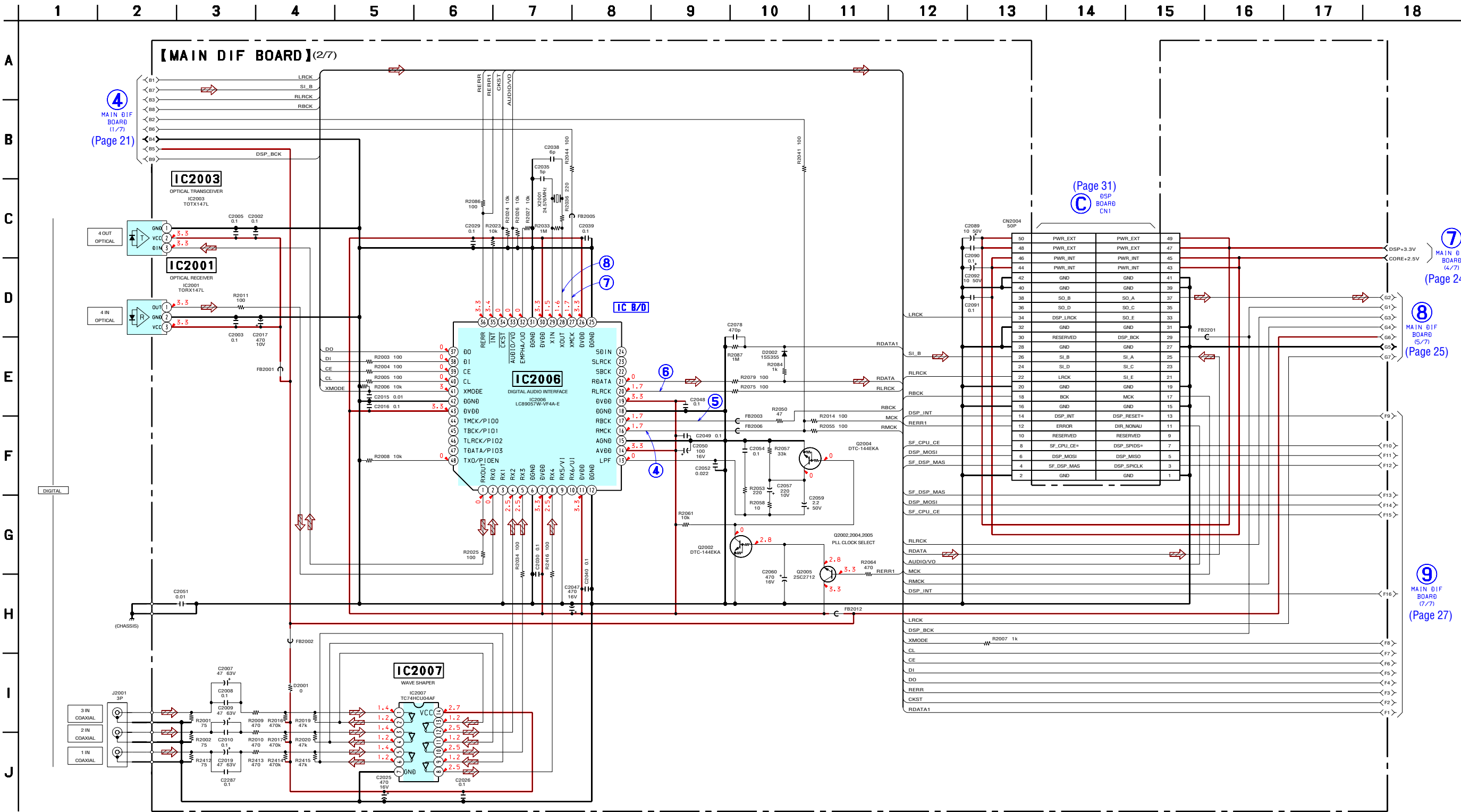
• Circuit Boards Location



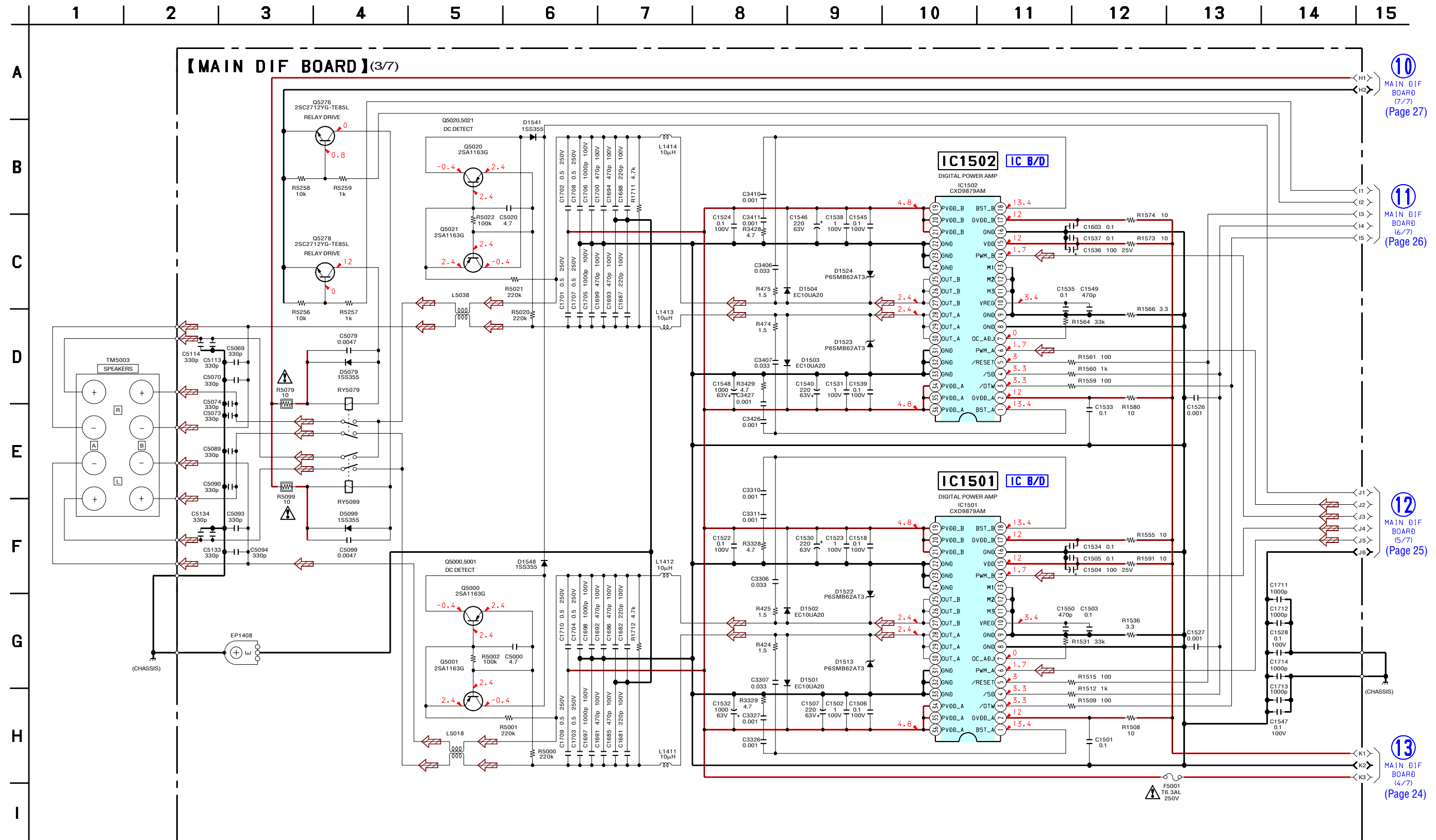
5-5. SCHEMATIC DIAGRAM – MAIN DIF Board (1/7) – • See page 40 for Waveforms. • See page 40 for IC Block Diagrams.



5-6. SCHEMATIC DIAGRAM – MAIN DIF Board (2/7) – • See page 40 for Waveforms. • See page 40 for IC Block Diagrams.



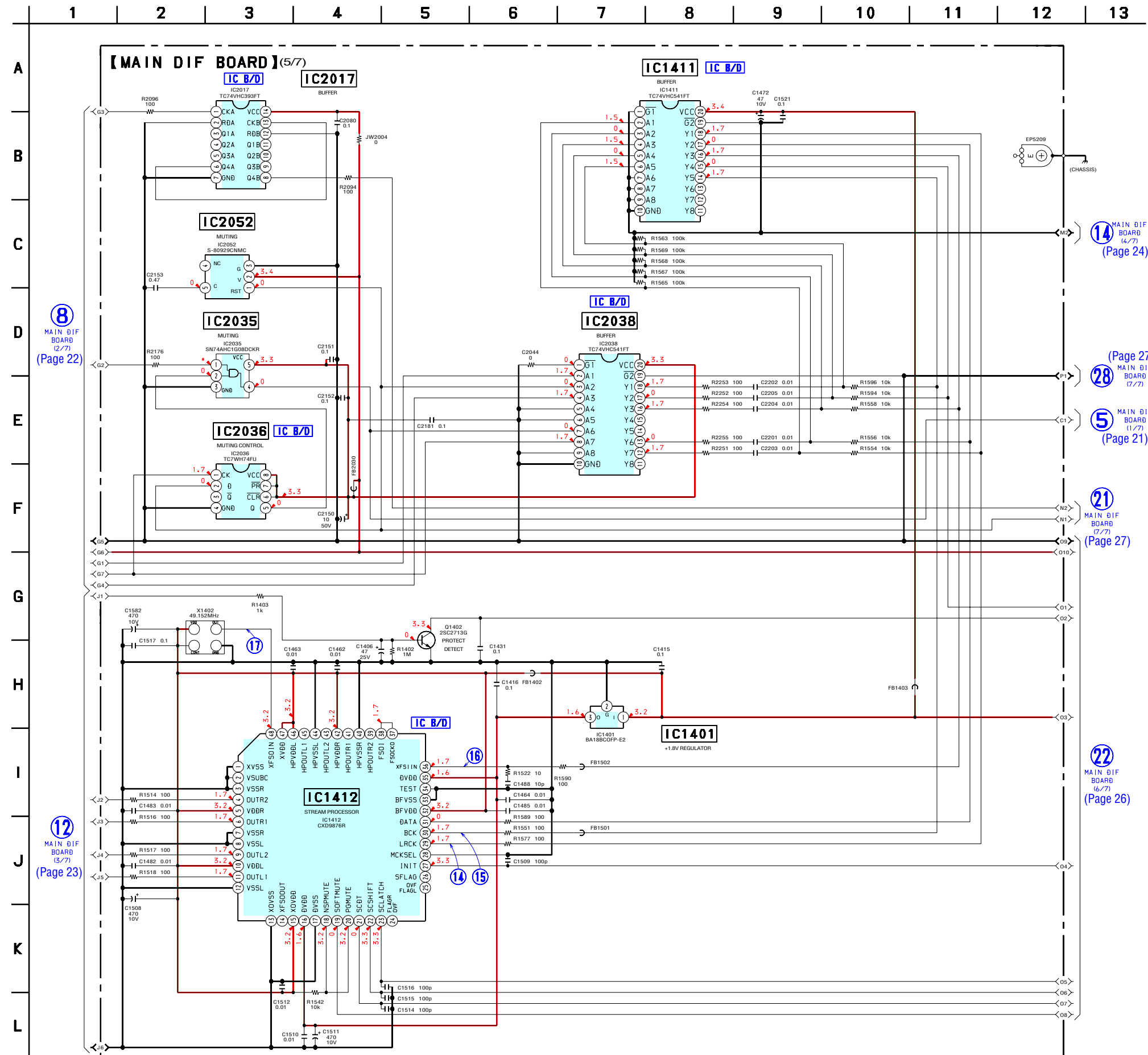
5-7. SCHEMATIC DIAGRAM – MAIN DIF Board (3/7) – • See page 40 for IC Block Diagrams.



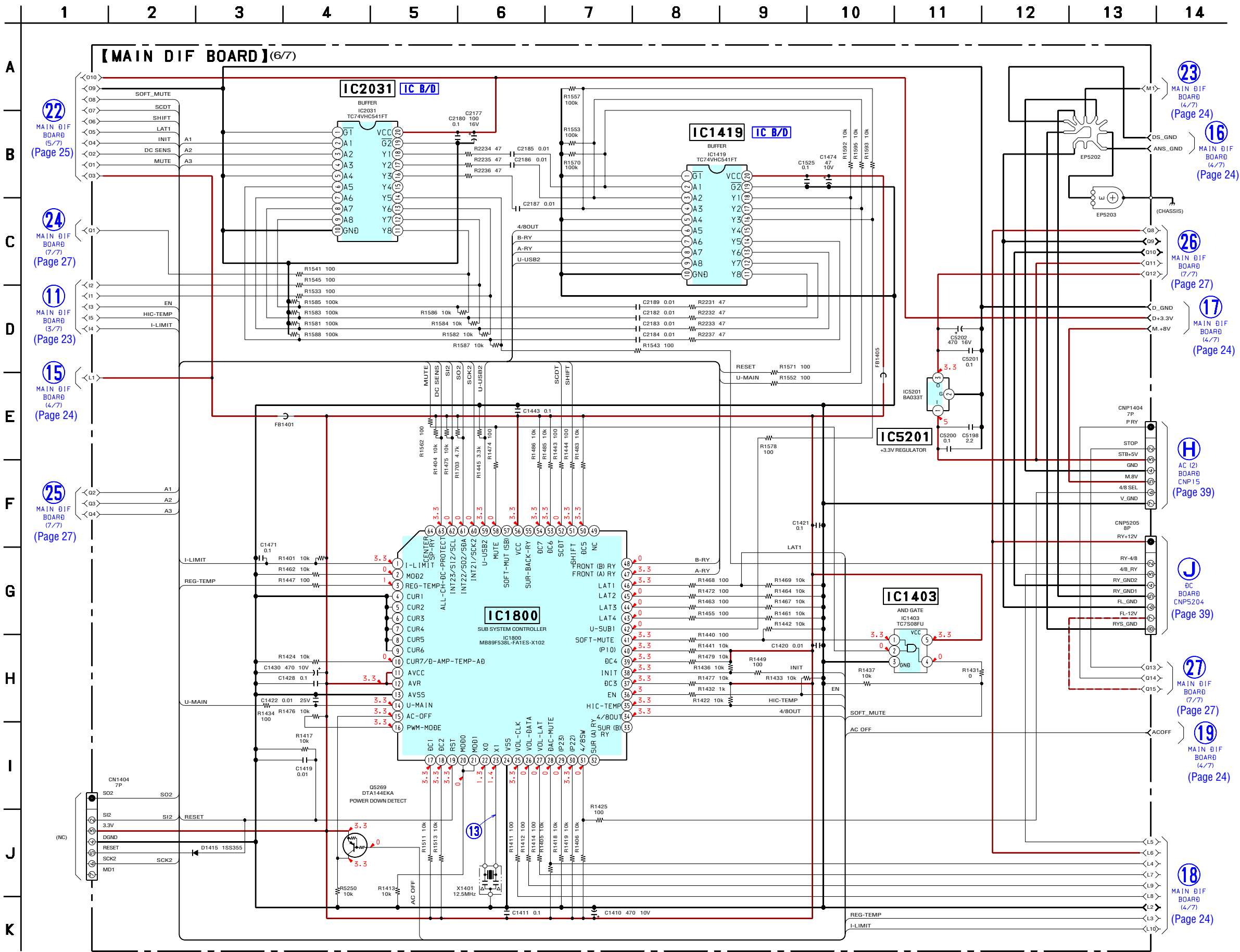
- See page 40 for IC Block Diagrams.



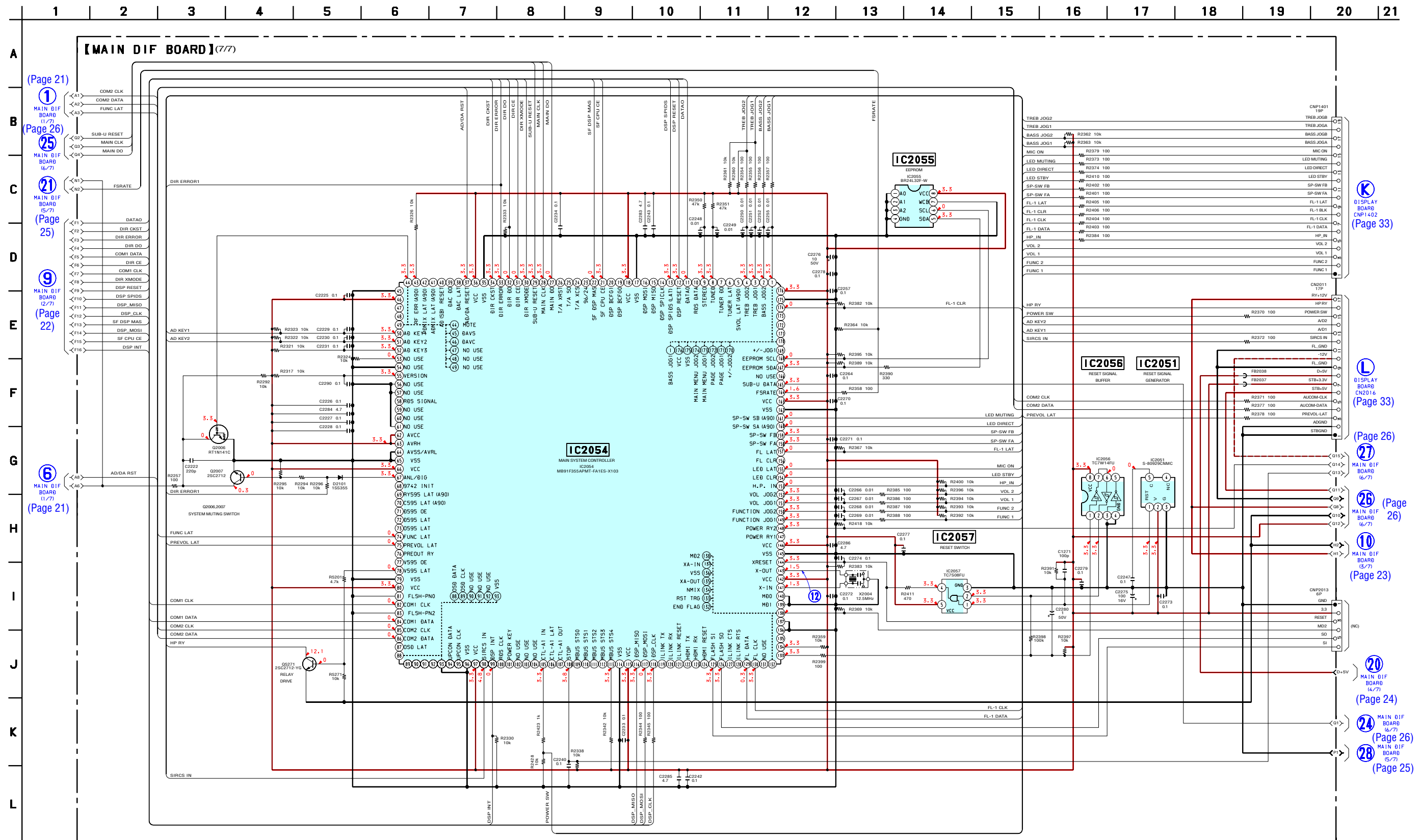
5-9. SCHEMATIC DIAGRAM – MAIN DIF Board (5/7) – • See page 40 for Waveforms. • See page 40 for IC Block Diagrams.



5-10. SCHEMATIC DIAGRAM – MAIN DIF Board (6/7) – • See page 40 for Waveforms. • See page 40 for IC Block Diagrams. • See page 46 for IC Pin Function Description.



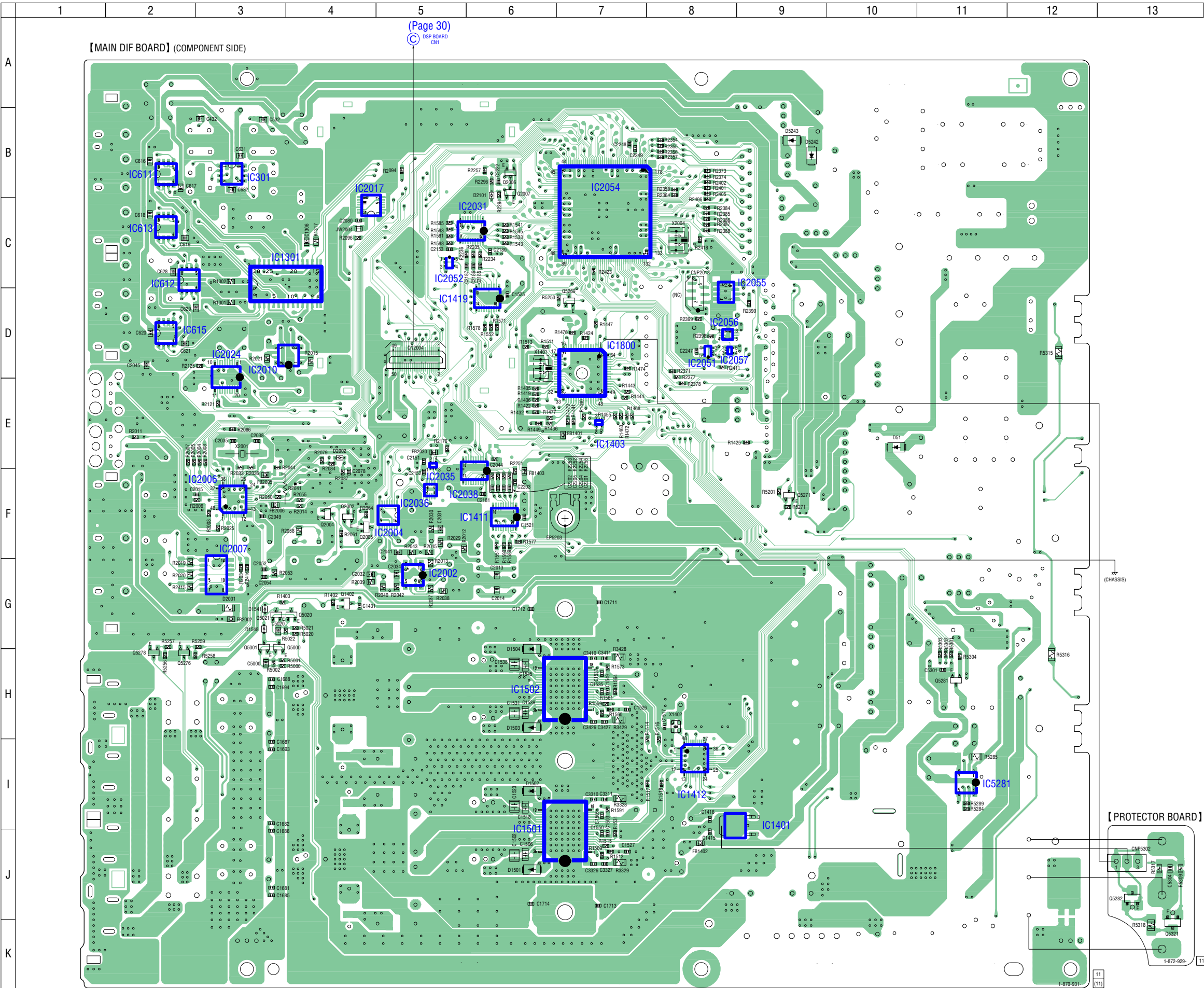
5-11. SCHEMATIC DIAGRAM – MAIN DIF Board (7/7) – • See page 40 for Waveforms. • See page 46 for IC Pin Function Description.



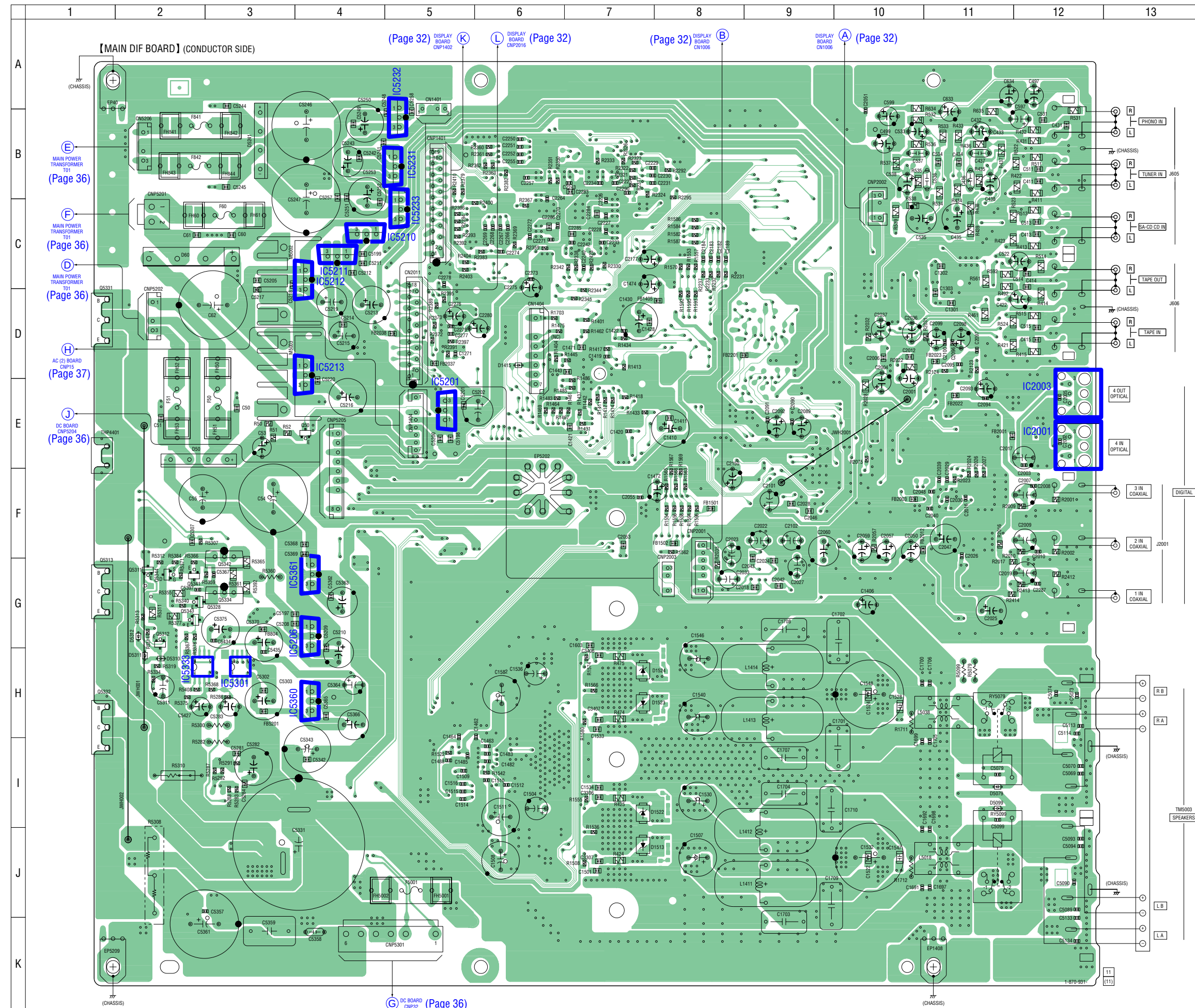
5-12. PRINTED WIRING BOARDS – MAIN DIF Board (Component Side)/PROTECTOR Board – • See page 20 for Circuit Boards Location. : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D51	E-10
D1501	J-6
D1502	I-6
D1503	H-6
D1504	H-6
D1541	G-3
D1548	G-3
D2002	E-4
D2003	E-6
D2101	B-6
D5242	B-9
D5243	B-9
IC301	B-3
IC611	B-2
IC612	C-2
IC613	C-2
IC615	D-2
IC1301	C-3
IC1401	I-8
IC1403	E-7
IC1411	F-6
IC1412	I-8
IC1419	D-6
IC1501	J-7
IC1502	H-7
IC1800	D-7
IC2002	G-5
IC2004	F-5
IC2006	F-3
IC2007	G-3
IC2010	D-4
IC2017	C-4
IC2024	D-3
IC2031	C-6
IC2035	E-5
IC2036	F-5
IC2038	F-6
IC2051	D-8
IC2052	C-5
IC2054	C-7
IC2055	D-8
IC2056	D-8
IC2057	D-8
IC5281	I-11
Q1402	G-4
Q2002	F-4
Q2004	F-4
Q2005	F-4
Q2006	B-6
Q2007	B-6
Q5000	G-3
Q5001	G-3
Q5020	G-4
Q5021	G-3
Q5269	D-7
Q5271	F-9
Q5276	H-2
Q5278	H-2
Q5281	H-11
Q5282	J-13
Q5321	J-13



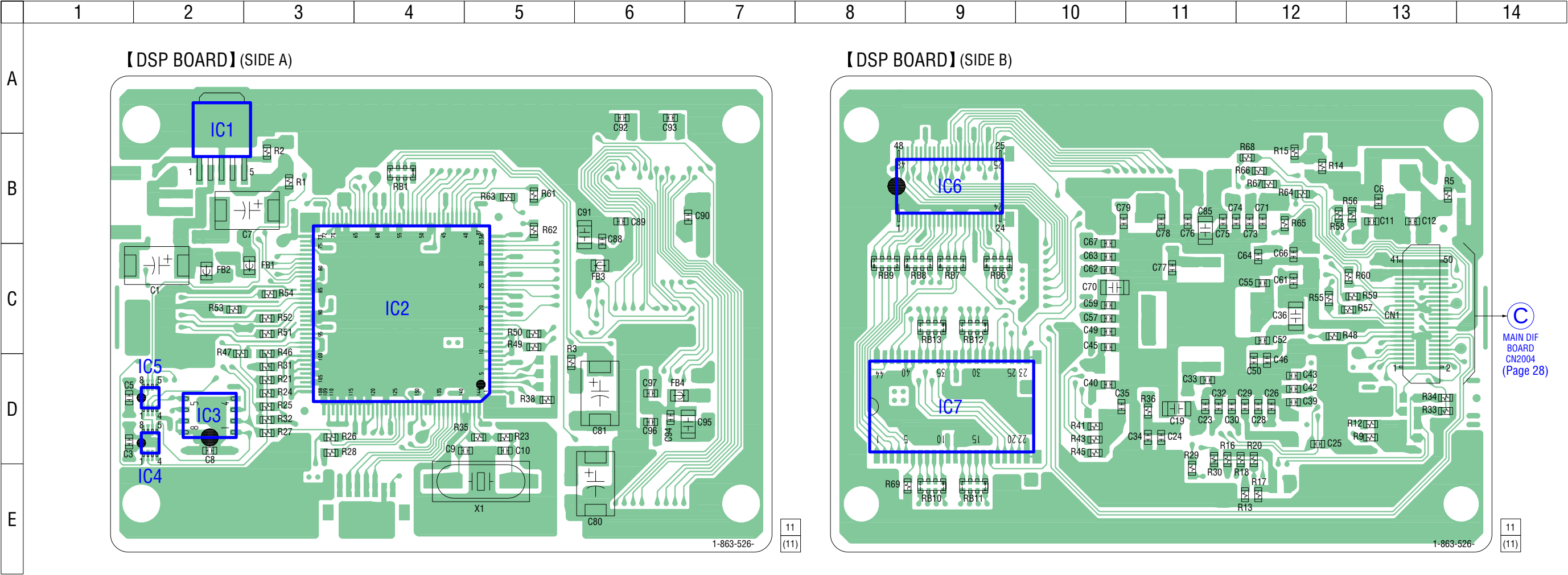
4 : Uses unleaded solder.



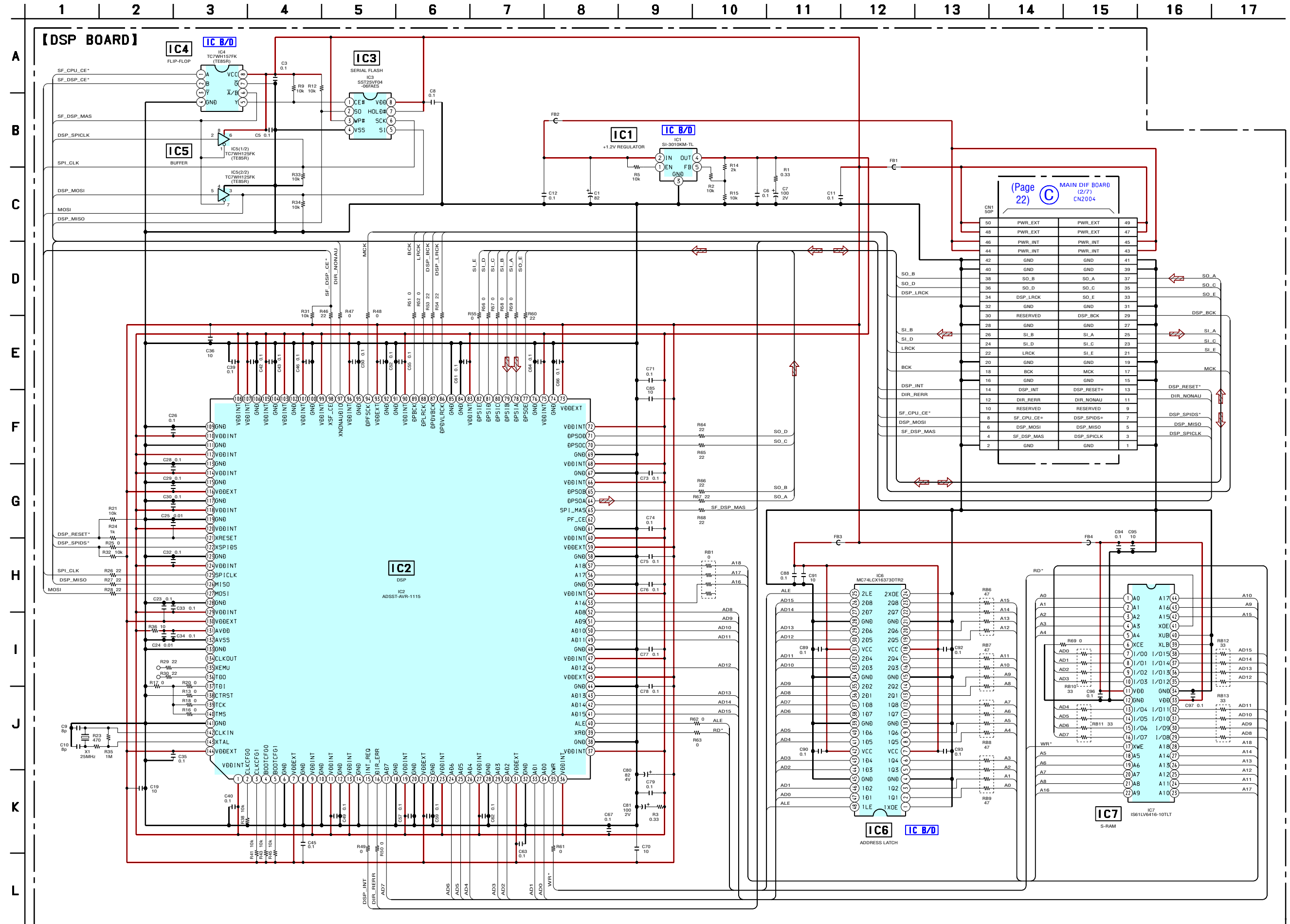
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D50	E-2	IC5213	D-4
D60	C-2	IC5231	B-5
D1415	D-6	IC5232	B-5
D1513	J-7	IC5233	C-5
D1522	I-7	IC5301	H-3
D1523	H-7	IC5333	H-2
D1524	H-7	IC5360	H-4
D5079	I-11	IC5361	G-4
D5099	I-11		
D5241	B-3	Q50	E-4
D5310	H-2	Q5311	G-2
D5311	H-2	Q5312	G-2
D5312	G-2	Q5313	G-1
		Q5328	G-2
IC2001	E-12	Q5331	D-1
IC2003	E-12	Q5332	H-1
IC5201	E-5	Q5334	G-3
IC5206	G-4	Q5341	G-2
IC5210	C-4	Q5342	G-3
IC5211	C-4	Q5343	G-2
IC5212	C-4	Q5344	G-2

5-14. PRINTED WIRING BOARD – DSP Board – • See page 20 for Circuit Boards Location.  : Uses unleaded solder.



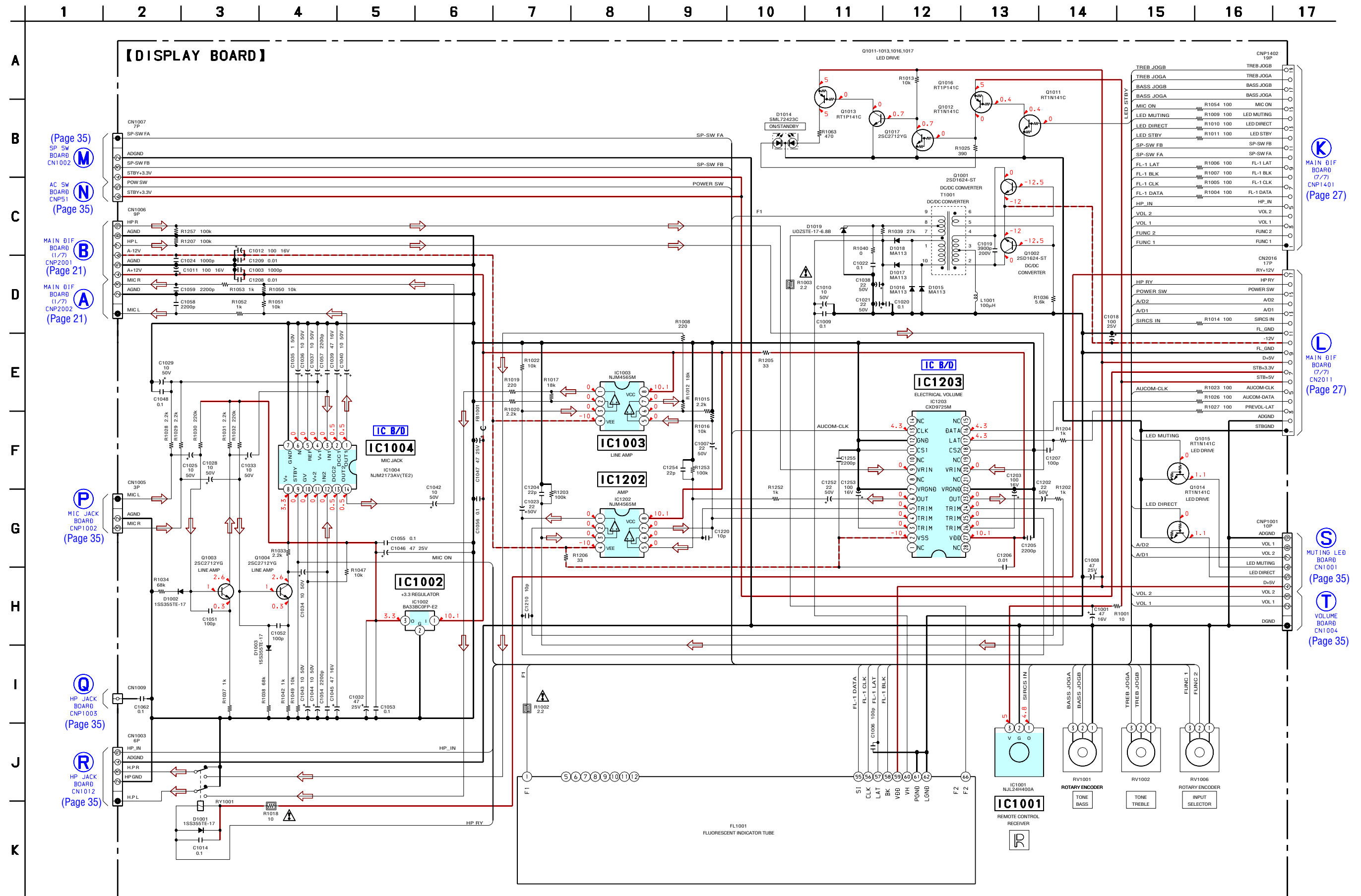
5-15. SCHEMATIC DIAGRAM – DSP Board – • See page 40 for IC Block Diagrams. • See page 46 for IC Pin Function Description.



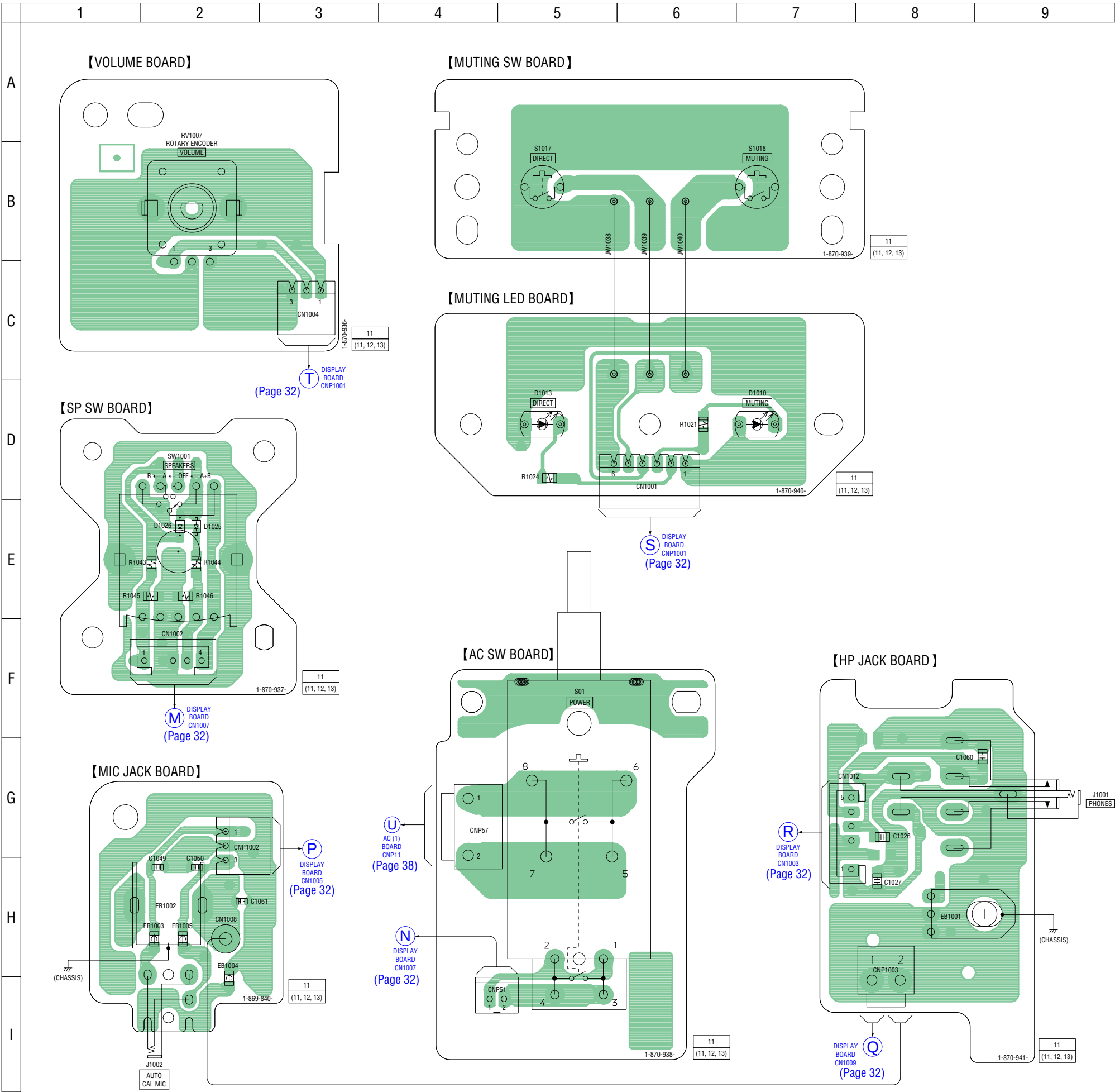


Ref. No.	Location	Ref. No.	Location
D1001	D-11	IC1202	D-9
D1002	B-11	IC1203	D-8
D1003	C-11		
D1014	B-14	Q1001	D-6
D1015	C-5	Q1002	D-7
D1016	C-5	Q1003	B-12
D1017	C-5	Q1004	C-12
D1018	C-5	Q1011	E-5
D1019	D-5	Q1012	D-5
		Q1013	E-5
IC1001	B-11	Q1014	E-4
IC1002	A-12	Q1015	E-4
IC1003	D-10	Q1016	E-5
IC1004	B-13	Q1017	E-5

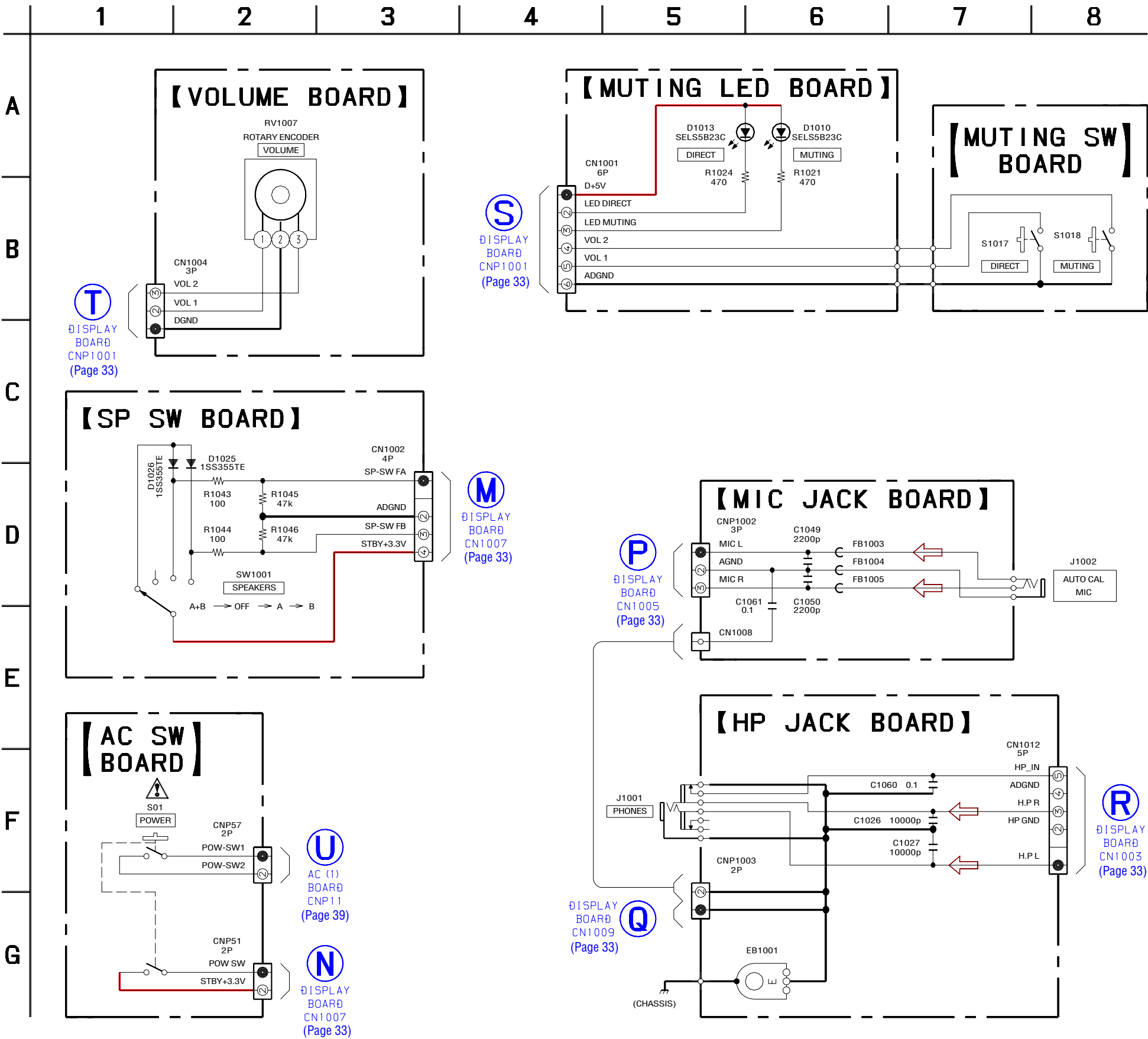
5-17. SCHEMATIC DIAGRAM – DISPLAY Board – • See page 40 for IC Block Diagrams.



5-18. PRINTED WIRING BOARDS – PANEL Section – • See page 20 for Circuit Boards Location. : Uses unleaded solder.



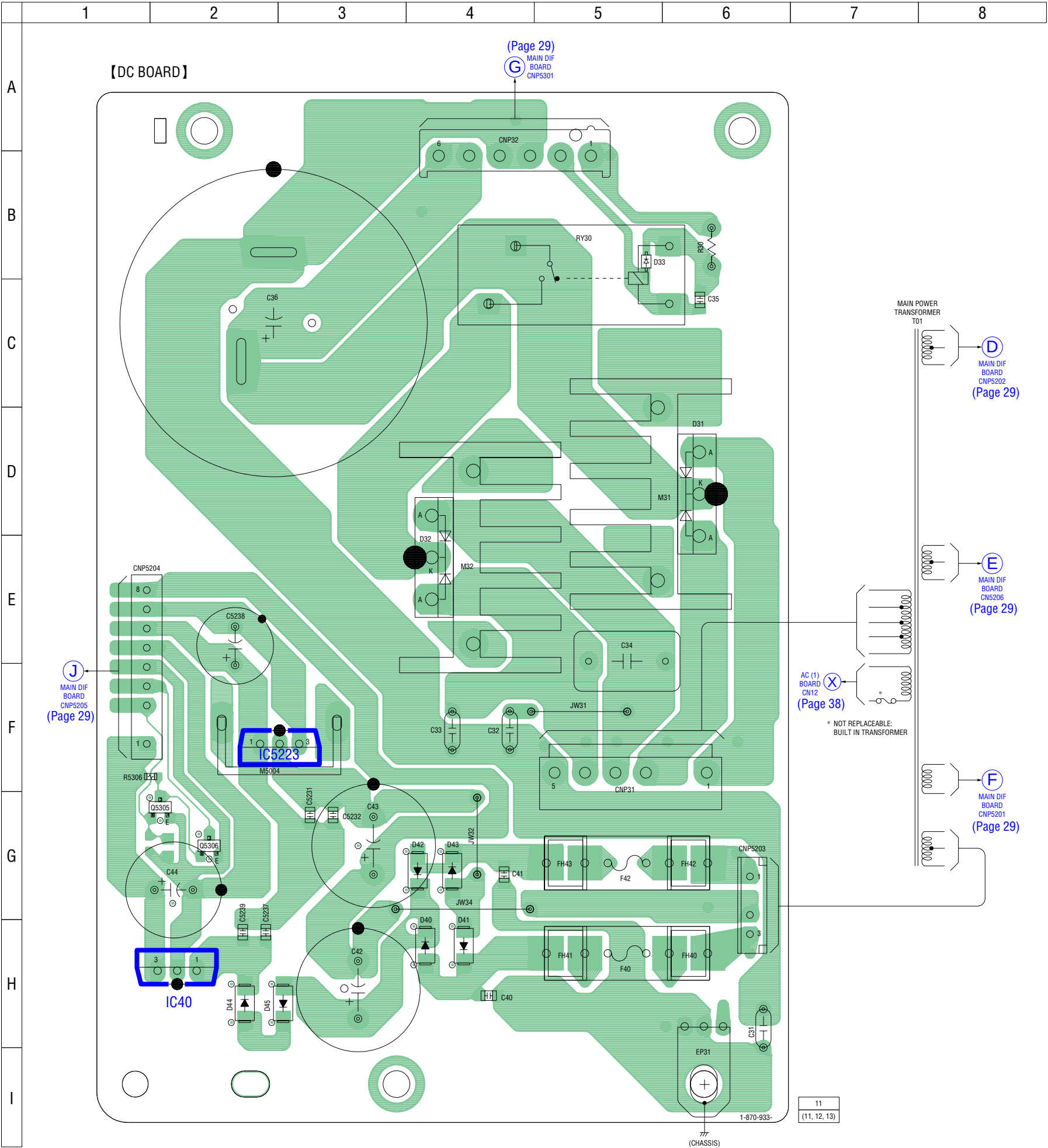
5-19. SCHEMATIC DIAGRAM – PANEL Section –



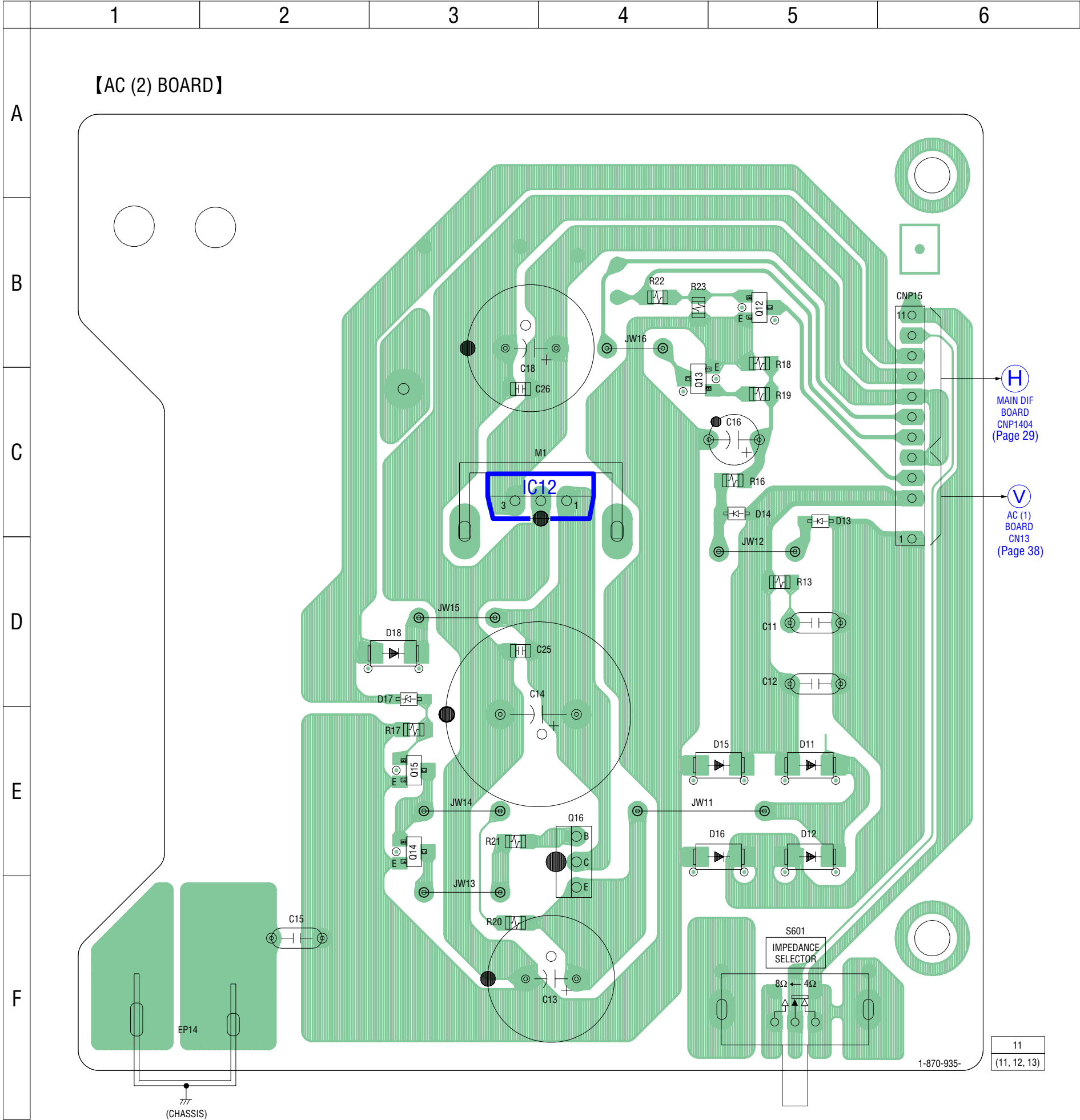
• Semiconductor Location

Ref. No.	Location
D31	D-6
D32	E-4
D33	B-5
D40	H-4
D41	H-4
D42	G-4
D43	G-4
D44	H-2
D45	H-3
IC40	H-2
IC5223	F-3
Q5305	G-2
Q5306	G-2

5-20. PRINTED WIRING BOARD – DC Board – • See page 20 for Circuit Boards Location. : Uses unleaded solder.



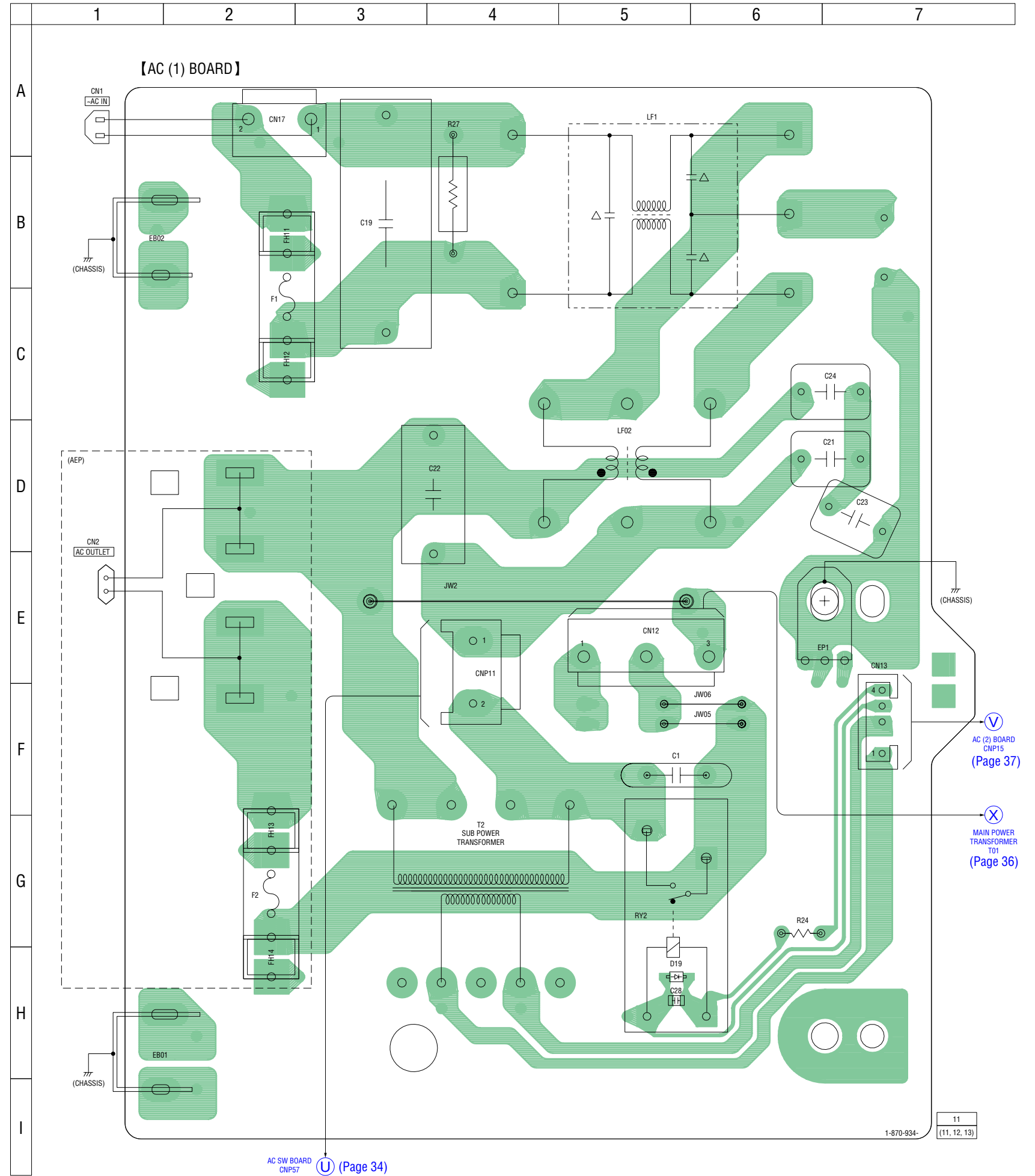
5-21. PRINTED WIRING BOARD – AC (2) Board – • See page 20 for Circuit Boards Location.  : Uses unleaded solder.



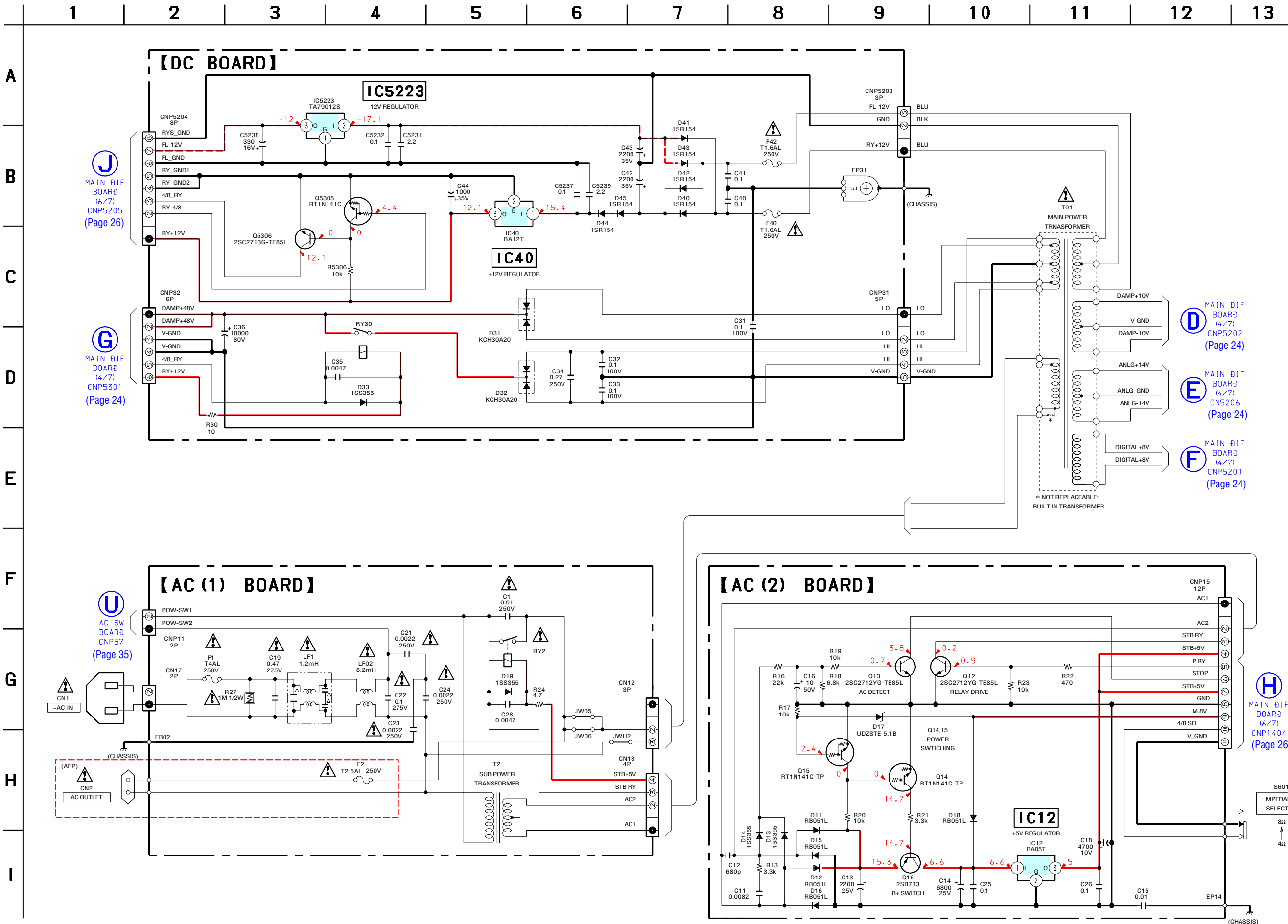
• Semiconductor Location

Ref. No.	Location
D11	E-5
D12	E-5
D13	C-5
D14	C-5
D15	E-5
D16	E-5
D17	D-3
D18	D-3
IC12	C-4
Q12	B-5
Q13	C-4
Q14	E-3
Q15	E-3
Q16	E-4

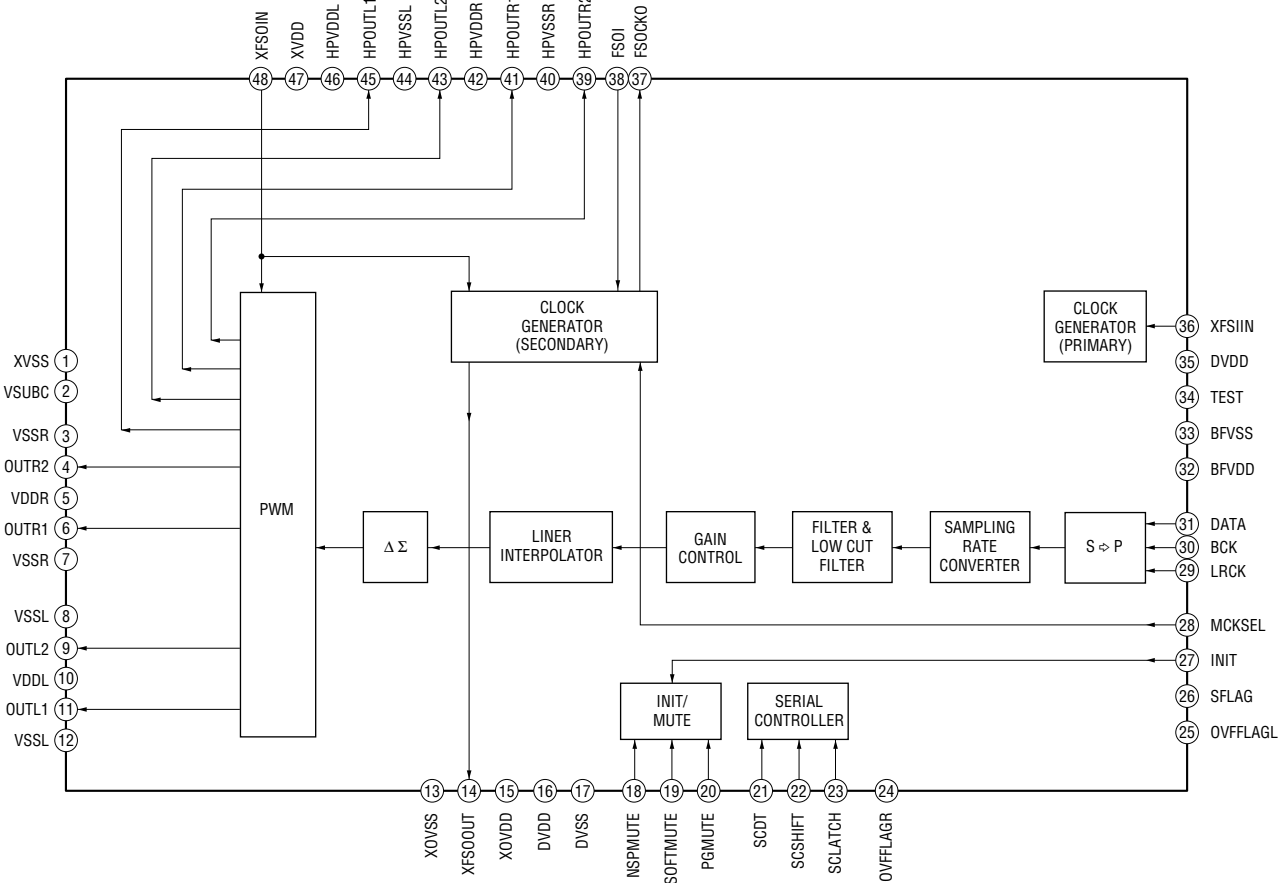
 : Uses unleaded solder.



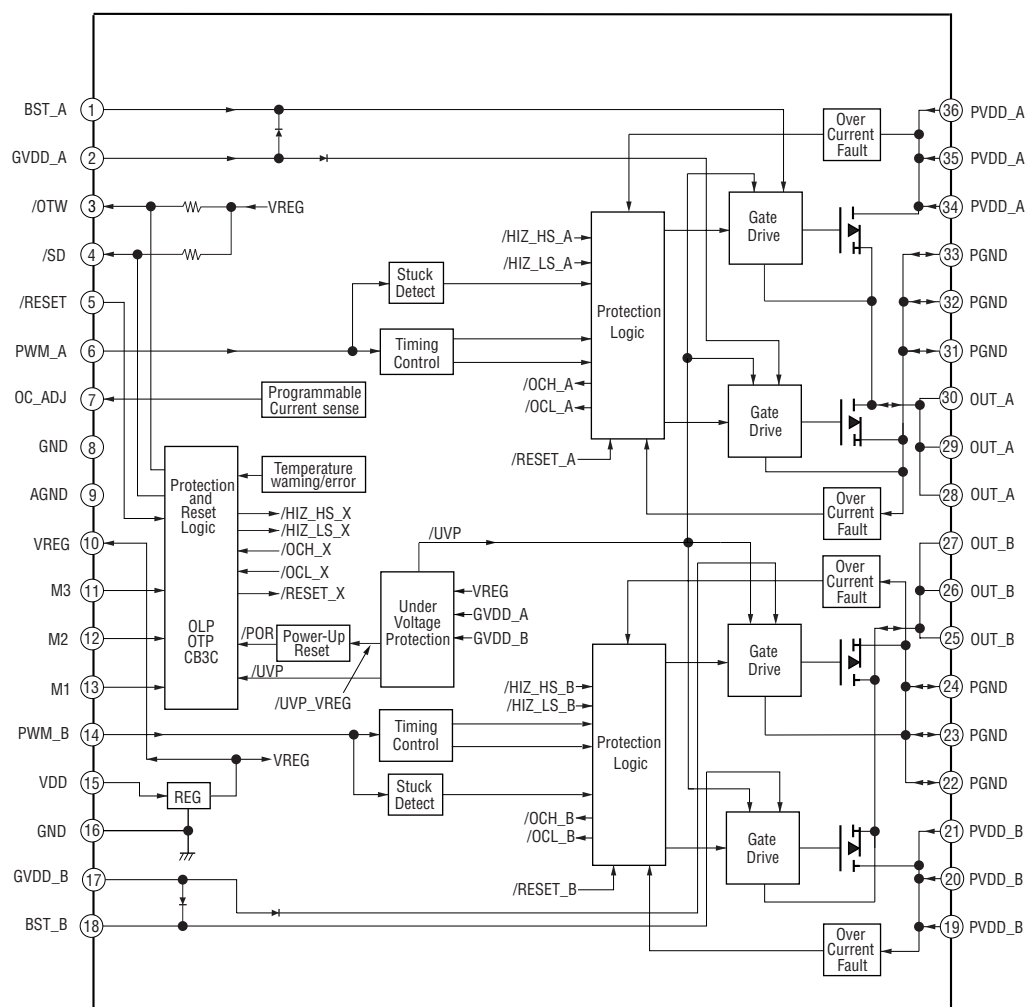
5-23. SCHEMATIC DIAGRAM – POWER SUPPLY Section –



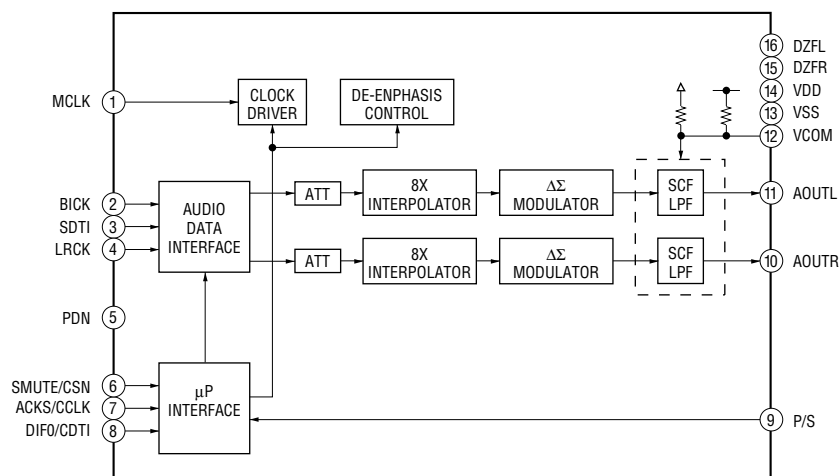
- IC Block Diagrams
- MAIN DIF Board –



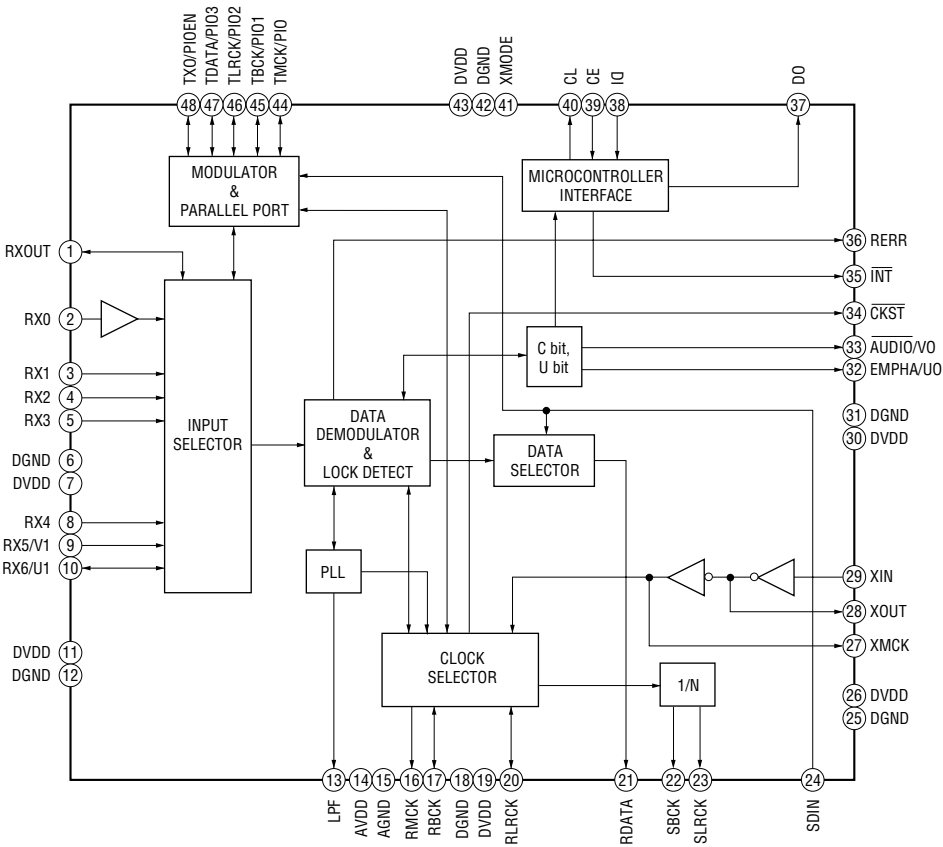
IC1501, 1502 CXD9879AM



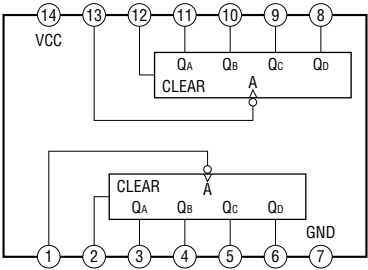
IC2004 AK4384ET-E2



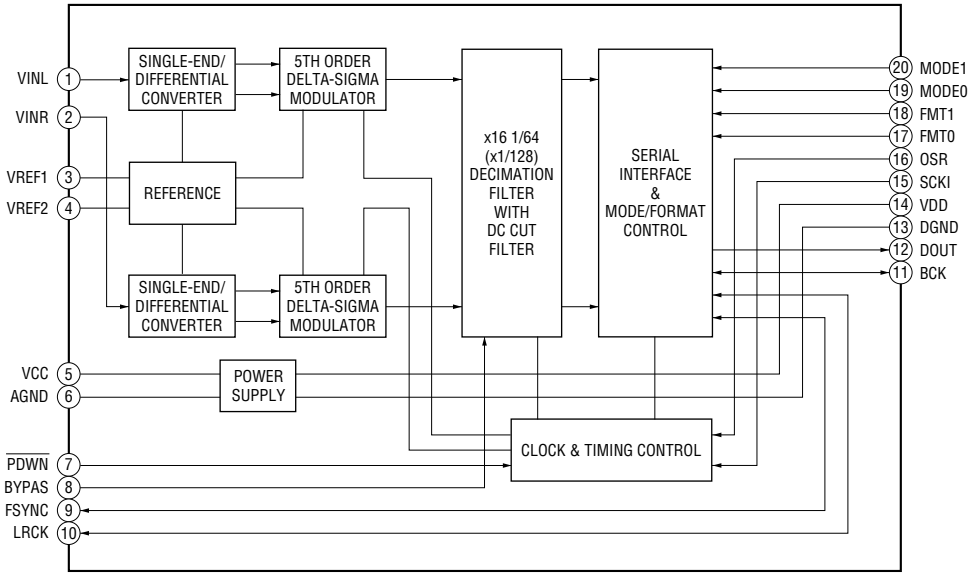
IC2006 LC89057W-VF4A-E



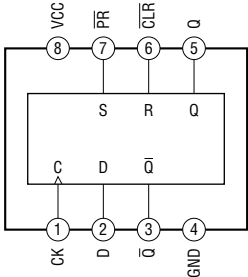
IC2017 TC74VHC393FT (EL)



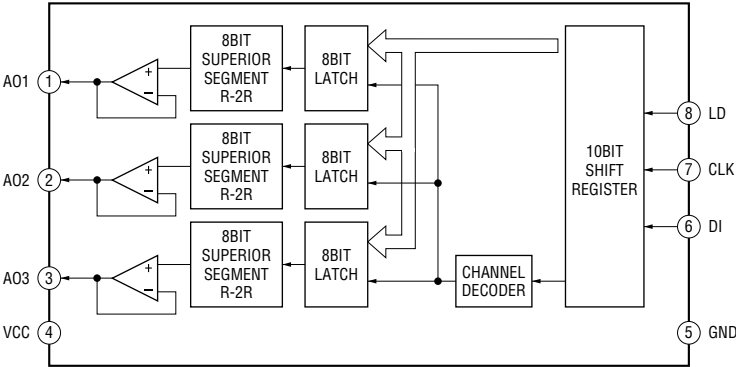
IC2024 PCM1802DBR



IC2036 TC7WH74FU (TE12R)

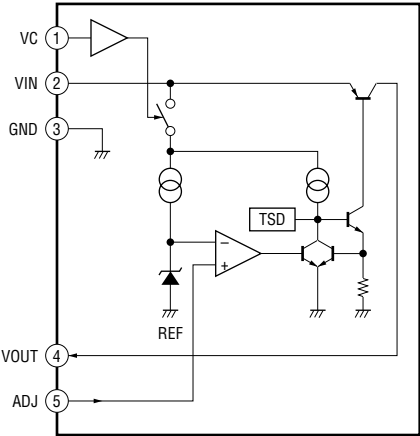


IC5301 M62343FP

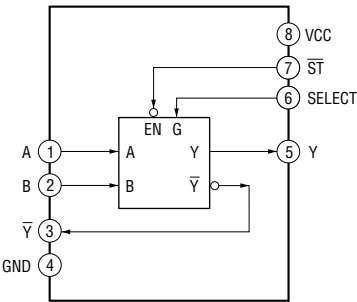


- DSP Board -

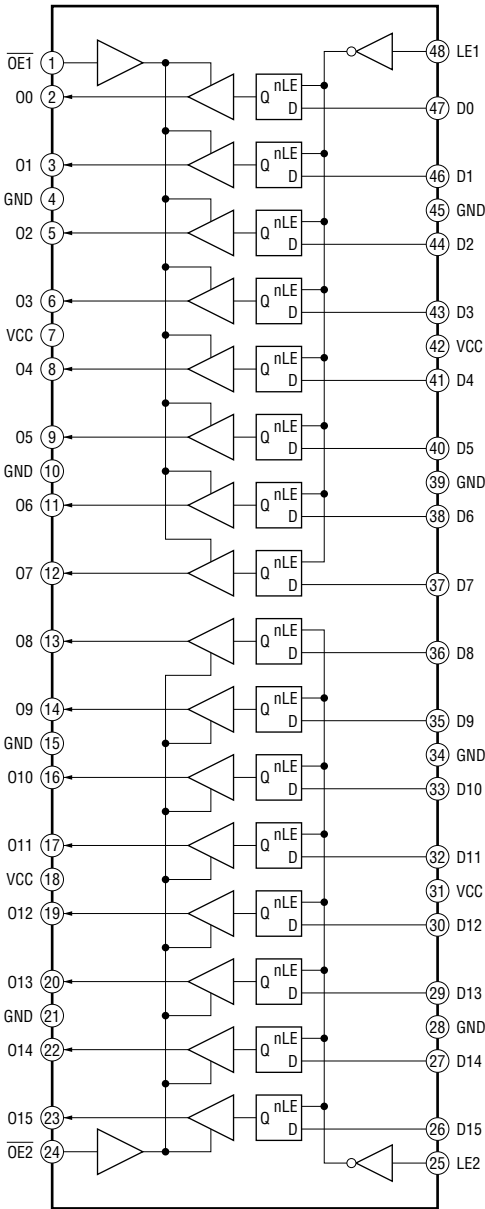
IC1 SI-3010KM-TL



IC4 TC7WH157FK (TE85R)

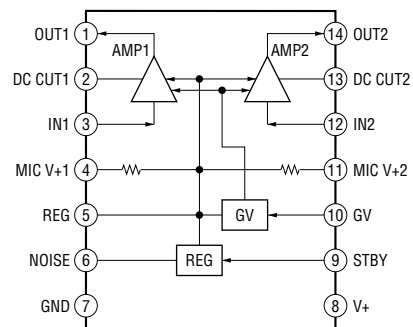


IC6 MC74LCX16373DTR2

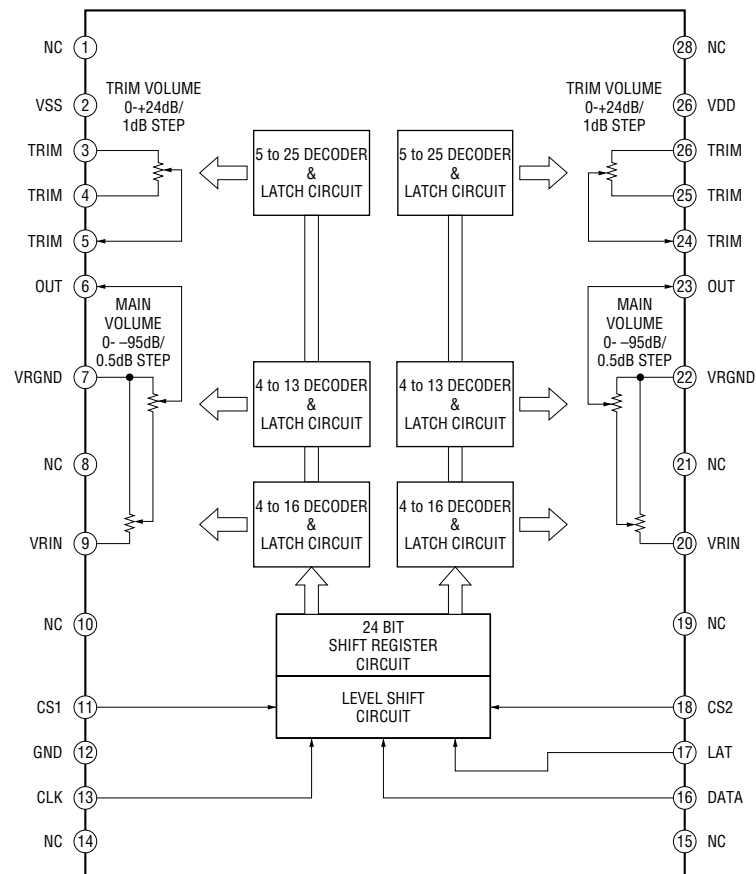


– DISPLAY Board –

IC1004 NJM2173AV (TE2)



IC1203 CXD9725M-HFL



• IC Pin Function Description

MAIN DIF BOARD IC1800 MB89F538L-FA1ES-X101 (SUB SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	I- LIMIT	I	Abnormal current detection signal input from the digital power amplifier
2	MOD2	-	Not used
3	REG-TEMP	I	Thermistor connection terminal for abnormal temperature detection (A/D input)
4 to 9	CUR1 to CUR6	I	Current detection terminal for speaker output section (A/D input) Not used
10	CUR7/D-AMP-TEMP-AD	I	Abnormal temperature detection terminal for the power amplifier (A/D input) Not used
11	AVCC	-	Power supply terminal (+3.3V) (for analog system)
12	AVR	I	Reference voltage (+3.3V) input terminal
13	AVSS	-	Ground terminal (for analog system)
14	U-MAIN	I	Clock signal input from main system controller
15	AC-OFF	I	AC off detection signal input terminal "L": AC off
16	PWM-MODE	I	PWM mode setting terminal Normally: fixed at "H"
17, 18	DC1, DC2	I	DC offset detection signal input terminal Not used
19	RST	I	System reset signal input from the main system controller "L": reset
20, 21	MOD0, MOD1	I	Setting terminal for memory access mode Normally: fixed at "L"
22	X0	I	System clock input terminal (12.5 MHz)
23	X1	O	System clock output terminal (12.5 MHz)
24	VSS	-	Ground terminal
25	VOL-CLK	O	Serial data transfer clock signal output to the power amplifier power supply control D/A converter
26	VOL-DATA	O	Serial data output to the power amplifier power supply control D/A converter
27	VOL-LAT	O	Serial data latch pulse signal output to the power amplifier power supply control D/A converter
28	DAC-MUTE	O	Muting on/off control signal output to the power amplifier power supply control circuit
29, 30	(P23), (P22)	-	Not used
31	4/8SW	I	IMPEDANCE SELECTOR switch input terminal "L": 4 ohm, "H": 8 ohm
32	SUR (A) RY	O	Relay drive signal (for surround speaker) output terminal Not used
33	SUR (B) RY	O	Relay drive signal (for surround speaker) output terminal Not used
34	4/8OUT	I	Relay drive signal (for selection) output terminal
35	HIC-TEMP	I	Over temperature detection signal input from the digital power amplifier
36	EN	O	Enable/Disable control signal output to the digital power amplifier
37	DC3	I	DC offset detection signal input terminal Not used
38	INIT	O	System reset signal output to the stream processor
39	DC4	I	DC offset detection signal input terminal Not used
40	(P10)	-	Not used
41	SOFT-MUTE	O	Muting on/off control signal output to the stream processor
42	U-SUB1	I	Serial data input from main system controller
43	LAT4	O	Serial data latch pulse signal (for surround back) output terminal Not used
44	LAT3	O	Serial data latch pulse signal (for surround) output terminal Not used
45	LAT2	O	Serial data latch pulse signal (for center) output terminal Not used
46	LAT1	O	Serial data latch pulse signal (for front) output to the stream processor
47	FRONT (A) RY	O	Relay drive signal (for front speaker A) output terminal
48	FRONT (B) RY	O	Relay drive signal (for front speaker B) output terminal
49	NC	-	Not used
50	DC5	I	DC offset detection signal input terminal Not used
51	SHIFT	O	Serial data transfer clock signal output to the stream processor
52	SCDT	O	Serial data output to the stream processor
53	DC6	I	DC offset detection signal input terminal Not used

Pin No.	Pin Name	I/O	Description
54	DC7	I	DC offset detection signal input terminal Not used
55	SUR-BACK-RY	O	Relay drive signal (for surround back speaker) output terminal Not used
56	VCC	-	Power supply terminal (+3.3V)
57	SOFT-MUT (SB)	O	Muting on/off control signal (for surround back) output terminal Not used
58	MUTE	I	Muting on/off control signal input from the system controller
59	U-USB2	O	Serial data output to main system controller
60	INT21/SCK2	-	Not used
61	INT22/SO2/SDA	-	Not used
62	INT23/SI2/SCL	-	Not used
63	ALL-CH-DC-PROTECT	I	DC offset detection signal input terminal Not used
64	CENTER SP-RY	O	Relay drive signal (center) output terminal Not used

MAIN DIF BOARD IC2054 MB91F355APMT-FA1ES-X101 (MAIN SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1, 2	BASS JOG1, BASS JOG2	I	Jog dial pulse input from the rotary encoder (for BASS)
3, 4	TREB JOG1, TREB JOG2	I	Jog dial pulse input from the rotary encoder (for TREBLE)
5	SVOL LAT (A90)	O	Serial data latch pulse signal output terminal Not used
6	TUNER LAT	O	Serial data latch pulse signal output terminal Not used
7	TUNER DO	I	Serial data input terminal Not used
8	TUNED	I	Tuned detection signal input terminal Not used
9	STEREO	I	FM stereo detection signal input terminal Not used
10	RDS DATA	I	RDS serial data input terminal Not used
11	DATA0	I	Audio serial data input from the digital audio interface
12	DSP RESET	O	System reset signal output to the DSP "L": reset
13	DSP SPIDS (LAT)	O	Serial data latch pulse output to the DSP
14	DSP SPICLK	O	Not used
15	DSP MISO	I	Serial data input terminal Not used
16	DSP MOSI	O	Serial data output terminal Not used
17	VSS	-	Ground terminal
18	VCC	-	Power supply terminal (+3.3V)
19, 20	DSP BCFG0, DSP BCFG1	-	Not used
21	SF CPU CE	O	Chip enable signal output for the serial flash
22	SF DSP MAS	I	Master/slave selection signal input from the DSP "H": DSP is master
23	96/24	-	Not used
24	T/A XCS	O	Chip select signal output terminal Not used
25	T/A SO	I	Serial data input terminal Not used
26	T/A XRST	O	System reset signal output terminal Not used
27	MAIN DO	O	Serial data output to the sub system controller
28	MAIN CLK	O	Serial data transfer clock signal output to the sub system controller
29	SUB-U RESET	O	System reset signal output to the sub system controller
30	DIR XMODE	O	System reset signal output to the digital audio interface "L": reset
31	DIR CE	O	Chip enable signal output to the digital audio interface
32	DIR DO	I	Serial data input from the digital audio interface
33	DIR ERROR	I	PLL lock error signal and data error flag input from the digital audio interface
34	DIR CKST	I	Clock select signal input from the digital audio interface
35	VSS	-	Ground terminal
36	VCC	-	Power supply terminal (+3.3V)
37	AD/DA RESET	O	System reset signal output to the A/D converter and D/A converter "L": reset
38	DAC LAT	O	Serial data latch pulse signal output terminal Not used
39	DAC DO	I	Serial data input terminal Not used
40	AD (SB) RESET	O	System reset signal output terminal Not used "L": reset
41	ADMIX LAT (A90)	O	Serial data latch pulse signal output terminal Not used
42	PDMIX LAT (A90)	O	Serial data latch pulse signal output terminal Not used
43	RF ERR (A90)	I	Error signal input terminal Not used
44	MUTE	O	System muting on/off control signal output terminal
45	DAVS	-	Ground terminal
46	DAVC	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
47 to 49	NO USE	-	Not used
50, 51	AD KEY1, AD KEY2	I	Jog dial pulse input from the rotary encoder (for VOLUME)
52	AD KEY3	I	Front panel key input terminal (A/D input) Not used
53, 54	NO USE	-	Not used
55	VERSION	I	Setting terminal for version
56, 57	NO USE	-	Not used
58	RDS SIGNAL	I	RDS signal input terminal Not used
59 to 61	NO USE	-	Not used
62	AVCC	-	Power supply terminal (+3.3V)
63	AVRH	I	Reference voltage input terminal (+3.3V)
64	AVSS/AVRL	-	Ground terminal
65	VSS	-	Ground terminal
66	VCC	-	Power supply terminal (+3.3V)
67	ANL/DIG	I	PLL lock error signal and data error flag input from the digital audio interface
68	9742 INT	O	Initialize signal output terminal Not used
69	RY595 LAT (A90)	O	Serial data latch pulse signal output terminal Not used
70	C595 LAT (A90)	O	Serial data latch pulse signal output terminal Not used
71	D595 OE	O	Output enable signal output terminal Not used
72	D595 LAT	O	Serial data latch pulse output terminal Not used
73	O595 LAT	O	Serial data latch pulse output terminal Not used
74	FUNC LAT	O	Serial data latch pulse output to the electrical volume
75	PREVOL LAT	O	Serial data latch pulse output to the electrical volume
76	PREOUT RY	O	Relay drive signal (for pre audio section) output terminal Not used
77	V595 OE	O	Output enable signal output terminal Not used
78	V595 LAT	O	Relay drive signal (for head phone audio) output terminal
79	VSS	-	Ground terminal
80	VCC	-	Power supply terminal (+3.3V)
81	FLSH-PN0	-	Not used
82	COM1 CLK	O	Serial data transfer clock signal output to the digital audio interface
83	FLSH-PN2	-	Not used
84	COM1 DAT	O	Serial data output to the digital audio interface
85	COM2 CLK	O	Serial data transfer clock signal output to the electrical volume
86	COM2 DAT	O	Serial data output to the electrical volume
87	OSD LAT	O	Serial data latch pulse signal output terminal Not used
88	OSD DATA	O	Serial data output terminal Not used
89	OSD CLK	O	Serial data transfer clock signal output terminal Not used
90 to 92	NO USE	-	Not used
93	VSS	-	Ground terminal
94	UPCON DATA	I/O	Serial data input/output terminal Not used
95	UPCON CLK	O	Serial data transfer clock signal output terminal Not used
96	VSS	-	Ground terminal
97	VCC	-	Power supply terminal (+3.3V)
98	SIRCS IN	I	SIRCS signal input terminal
99	DSP INT	I	Interrupt status input from the DSP
100	RDS CLK	I	RDS serial data transfer clock signal input terminal Not used
101	POWER KEY	I	Power key input terminal Not used
102 to 104	NO USE	O	Not used

Pin No.	Pin Name	I/O	Description
105	CTL-A1 IN	I	Power key input terminal
106	CTL-A1 LAT	O	Serial data latch pulse signal output terminal Not used
107	CTL-A1 OUT	O	Relay drive signal (for front-A) output terminal Not used
108	STOP	I	AC off detection signal input terminal
109 to 113	MBUS STS0 to MBUS STS4	-	Not used
114	VSS	-	Ground terminal
115	VCC	-	Power supply terminal (+3.3V)
116	DSP_MISO	I	Serial data input from the DSP or serial flash
117	DSP_MOSI	O	Serial data output to the DSP or serial flash
118	DSP_CLK	O	Serial data transfer clock signal output to the DSP
119	ILINK TX	I	UART communication transfer data input terminal Not used
120	ILINK RX	O	UART communication receive data output terminal Not used
121	ILINK RESET	O	System reset signal output terminal Not used
122	HDMI TX	I	Serial data input terminal Not used
123	HDMI RX	O	Serial data output terminal Not used
124	HDMI RESET	O	System reset signal output terminal Not used
125	FLASH SI	I	Serial data input terminal Not used
126	FLASH SO	O	Serial data output terminal Not used
127	ILINK CTS	O	Serial data transfer clock signal output terminal Not used
128	ILINK RTS	I	Serial data input terminal Not used
129	FL DATA	O	Serial data output to the fluorescent indicator tube
130	FL CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
131	NO USE	-	Not used
132	END FLAG	O	End flag output terminal Not used
133	RST TRG	O	Reset signal output terminal
134	NMIX	-	Not used
135	XA-OUT	-	Not used
136	VSS	-	Ground terminal
137	XA-IN	-	Not used
138 to 140	MD2 to MD0	I	Model destination signal input terminal
141	X-IN	I	Main system clock input terminal (12.5 MHz)
142	VCC	-	Power supply terminal (+3.3V)
143	X-OUT	O	Main system clock output terminal (12.5 MHz)
144	XRESET	I	System reset signal input terminal "L": reset
145	VSS	-	Ground terminal
146	VCC	-	Power supply terminal (+3.3V)
147	POWER RY1	O	Relay drive signal (for main power) output terminal Not used
148	POWER RY2	O	Relay drive signal (for main power) output terminal "H": relay on
149, 150	FUNCTION JOG1, FUNCTION JOG2	I	Jog dial pulse input from the rotary encoder (for INPUT SELECTOR)
151, 152	VOL JOG1, VOL JOG2	I	Front panel key input terminal (A/D input)
153	H.P. IN	I	Headphone detection signal input terminal "H": headphone is connected
154	LED CLR	O	LED drive signal output terminal
155	LED LAT	O	MIC on/off control signal output terminal

Pin No.	Pin Name	I/O	Description
156	FL CLR	O	Clear signal output terminal Not used
157	FL LAT	O	Serial data latch pulse output to the fluorescent indicator tube
158, 159	SP-SW FA, SP-SW FB	I	Front speaker selection switch input terminal
160	SP-SW SA (A90)	O	LED drive signal output terminal
161	SP-SW SB (A90)	O	LED drive signal output terminal
162	VSS	-	Ground terminal
163	VCC	-	Power supply terminal (+3.3V)
164	FSRATE	I	L/R sampling clock signal (44.1 kHz) input terminal
165	SUB-U DATA	I	Serial data input from the sub system controller
166	NO USE	-	Not used
167	EEPROM SDA	I/O	Two-way data bus with the EEPROM
168	EEPROM SCL	O	Serial data transfer clock signal output to the EEPROM
169, 170	+/- JOG1, +/- JOG2	I	Jog dial pulse input terminal Not used
171, 172	PAGE JOG1, PAGE JOG2	I	Jog dial pulse input terminal Not used
173	MAIN MENU JOG1	I	Jog dial pulse input terminal Not used
174	MAIN MENU JOG2	I	Clear signal output to the fluorescent indicator tube
175	VSS	-	Ground terminal
176	VCC	-	Power supply terminal (+3.3V)

DSP BOARD IC2 ADSST-AVR-1115 (DSP)

Pin No.	Pin Name	I/O	Description
1	VDDINT	-	Power supply terminal (+1.2V)
2, 3	CLKCFG0, CLKCFG1	I	Clock frequency setting terminal
4, 5	BOOTCFG0, BOOTCFG1	I	Boot mode setting terminal for DSP
6	GND	-	Ground terminal
7	VDDEXT	-	Power supply terminal (+3.3V)
8	GND	-	Ground terminal
9	VDDINT	-	Power supply terminal (+1.2V)
10	GND	-	Ground terminal
11	VDDINT	-	Power supply terminal (+1.2V)
12	GND	-	Ground terminal
13	VDDINT	-	Power supply terminal (+1.2V)
14	GND	-	Ground terminal
15	INT_REQ	O	Interrupt status output to the main system controller
16	DIR_ERR	O	PLL lock error signal and data error flag output to the main system controller
17	AD7	I/O	Two-way data bus and address signal output with S-RAM
18	GND	-	Ground terminal
19	VDDINT	-	Power supply terminal (+1.2V)
20	GND	-	Ground terminal
21	VDDEXT	-	Power supply terminal (+3.3V)
22	GND	-	Ground terminal
23	VDDINT	-	Power supply terminal (+1.2V)
24 to 26	AD6 to AD4	I/O	Two-way data bus and address signal output with S-RAM
27	VDDINT	-	Power supply terminal (+1.2V)
28	GND	-	Ground terminal
29, 30	AD3, AD2	I/O	Two-way data bus and address signal output with S-RAM
31	VDDEXT	-	Power supply terminal (+3.3V)
32	GND	-	Ground terminal
33, 34	AD1, AD0	I/O	Two-way data bus and address signal output with S-RAM
35	XWR	O	Data write enable signal output to the S-RAM "L" active
36, 37	VDDINT	-	Power supply terminal (+1.2V)
38	GND	-	Ground terminal
39	XRD	O	Read strobe signal output to the S-RAM "L" active
40	ALE	O	Address latch enable signal output terminal
41 to 43	AD15 to AD13	I/O	Two-way data bus and address signal output with S-RAM
44	GND	-	Ground terminal
45	VDDEXT	-	Power supply terminal (+3.3V)
46	AD12	I/O	Two-way data bus and address signal output with S-RAM
47	VDDINT	-	Power supply terminal (+1.2V)
48	GND	-	Ground terminal
49 to 52	AD11 to AD8	I/O	Two-way data bus and address signal output with S-RAM
53	A16	O	Address signal output to S-RAM
54	VDDINT	-	Power supply terminal (+1.2V)
55	GND	-	Ground terminal
56, 57	A17, A18	O	Address signal output to S-RAM

Pin No.	Pin Name	I/O	Description
58	GND	-	Ground terminal
59	VDDEXT	-	Power supply terminal (+3.3V)
60	VDDINT	-	Power supply terminal (+1.2V)
61	GND	-	Ground terminal
62	PF_CE	I/O	Chip enable signal input/output terminal Not used
63	SPI_MAS	O	Master/slave selection signal output terminal "L": DSP is master
64	DPSOA	O	PCM audio signal output terminal
65	DPSOB	O	PCM audio signal output terminal Not used
66	VDDINT	-	Power supply terminal (+1.2V)
67	GND	-	Ground terminal
68	VDDINT	-	Power supply terminal (+1.2V)
69	GND	-	Ground terminal
70	DPSOC	O	PCM audio signal output terminal Not used
71	DPSOD	O	PCM audio signal output terminal Not used
72	VDDINT	-	Power supply terminal (+1.2V)
73	VDDEXT	-	Power supply terminal (+3.3V)
74	GND	-	Ground terminal
75	VDDINT	-	Power supply terminal (+1.2V)
76	GND	-	Ground terminal
77	DPSOE	O	PCM audio signal output terminal Not used
78	DPSIA	I	PCM audio signal (digital input) input terminal
79	DPSIB	I	PCM audio signal input terminal from the A/D converter
80	DPSIC	I	PCM audio signal output terminal Not used
81	DPSID	I	PCM audio signal output terminal Not used
82	DPSIE	I	PCM audio signal output terminal Not used
83	VDDINT	-	Power supply terminal (+1.2V)
84, 85	GND	-	Ground terminal
86	DPDVLCK	O	Sampling clock signal output terminal for PCM audio signal output
87	DPDVCK	O	Bit clock signal output terminal for PCM audio signal output
88	DPLCK	I	Sampling clock signal input terminal for PCM audio signal input
89	DPBCK	I	Bit clock signal input terminal for PCM audio signal input
90	VDDINT	-	Power supply terminal (+1.2V)
91, 92	GND	-	Ground terminal
93	VDDEXT	-	Power supply terminal (+3.3V)
94	DPFSCK	I	Master clock signal input terminal
95	GND	-	Ground terminal
96	VDDINT	-	Power supply terminal (+1.2V)
97	XNONAUDIO	I	Digital input signal switch control signal input terminal
98	XSF_CE	O	Chip enable signal output to the flash memory
99	VDDINT	-	Power supply terminal (+1.2V)
100	GND	-	Ground terminal
101	VDDINT	-	Power supply terminal (+1.2V)
102	GND	-	Ground terminal
103	VDDINT	-	Power supply terminal (+1.2V)
104	GND	-	Ground terminal
105	VDDINT	-	Power supply terminal (+1.2V)
106	GND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
107, 108	VDDINT	-	Power supply terminal (+1.2V)
109	GND	-	Ground terminal
110	VDDINT	-	Power supply terminal (+1.2V)
111	GND	-	Ground terminal
112	VDDINT	-	Power supply terminal (+1.2V)
113	GND	-	Ground terminal
114	VDDINT	-	Power supply terminal (+1.2V)
115	GND	-	Ground terminal
116	VDDEXT	-	Power supply terminal (+3.3V)
117	GND	-	Ground terminal
118	VDDINT	-	Power supply terminal (+1.2V)
119	GND	-	Ground terminal
120	VDDINT	-	Power supply terminal (+1.2V)
121	XRESET	I	System reset signal input to the main system controller
122	XSPIDS	I	Serial data latch pulse signal input to the main system controller
123	GND	-	Ground terminal
124	VDDINT	-	Power supply terminal (+1.2V)
125	SPICLK	I/O	Serial data transfer clock signal input/output with the flash memory
126	MISO	I/O	When DSP is master: Serial data input from the flash memory When DSP is slave: Serial data output to the main system controller
127	MOSI	I/O	When DSP is master: Serial data output to the flash memory When DSP is slave: Serial data input from the main system controller
128	GND	-	Ground terminal
129	VDDINT	-	Power supply terminal (+1.2V)
130	VDDEXT	-	Power supply terminal (+3.3V)
131	AVDD	-	Power supply terminal (+3.3V)
132	AVSS	-	Ground terminal
133	GND	-	Ground terminal
134	CLKOUT	-	Not used
135	XEMU	-	Not used
136	TDO	-	Not used
137	TDI	-	Not used
138	CTRST	-	Not used
139	TCK	-	Not used
140	TMS	-	Not used
141	GND	-	Ground terminal
142	CLKIN	I	System clock input terminal (25 MHz)
143	XTAL	O	System clock output terminal (25 MHz)
144	VDDEXT	-	Power supply terminal (+3.3V)

SECTION 6

EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
Example:
KNOB, BALANCE (WHITE) . . . (RED)

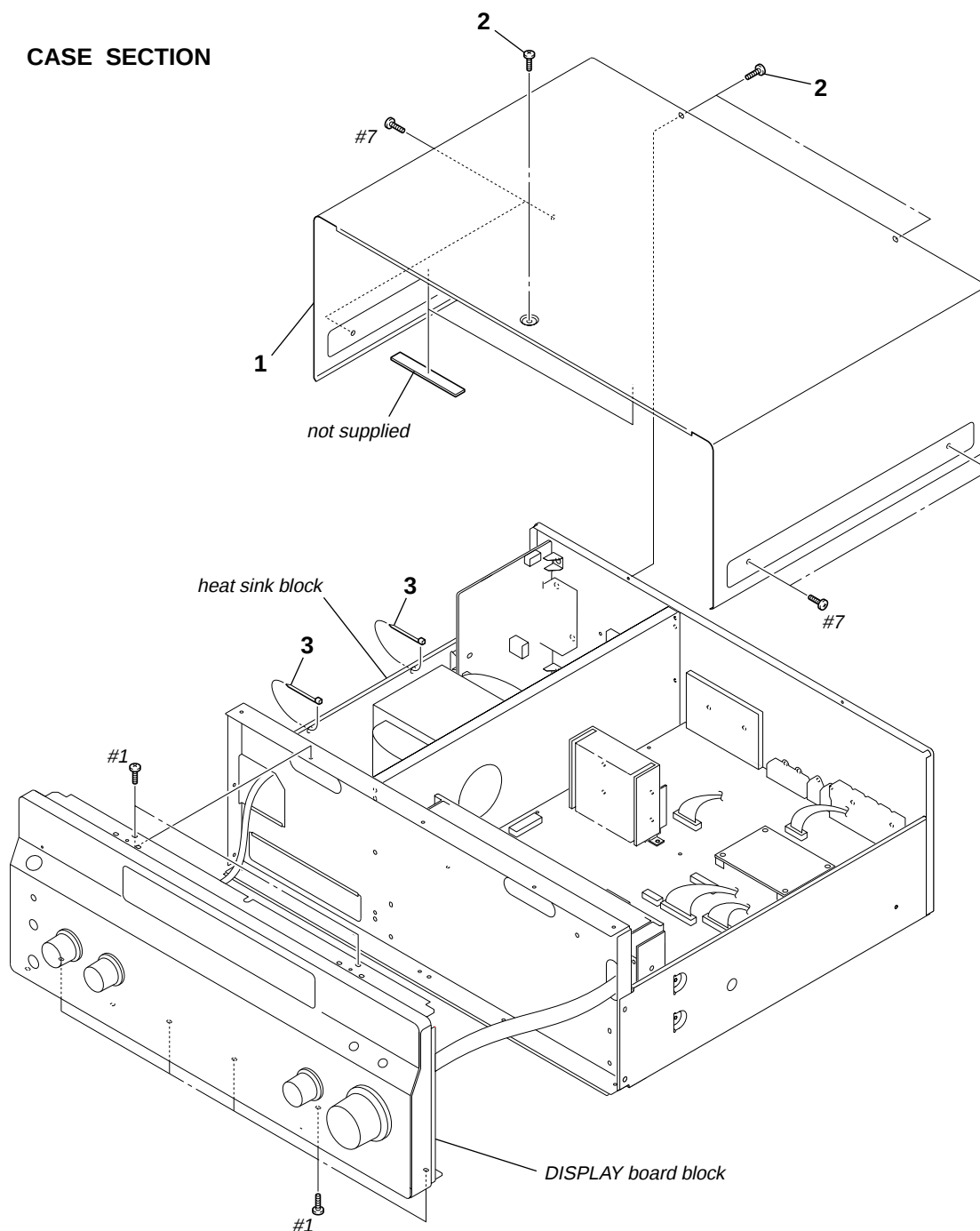
↑
Parts Color

↑
Cabinet's Color

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.

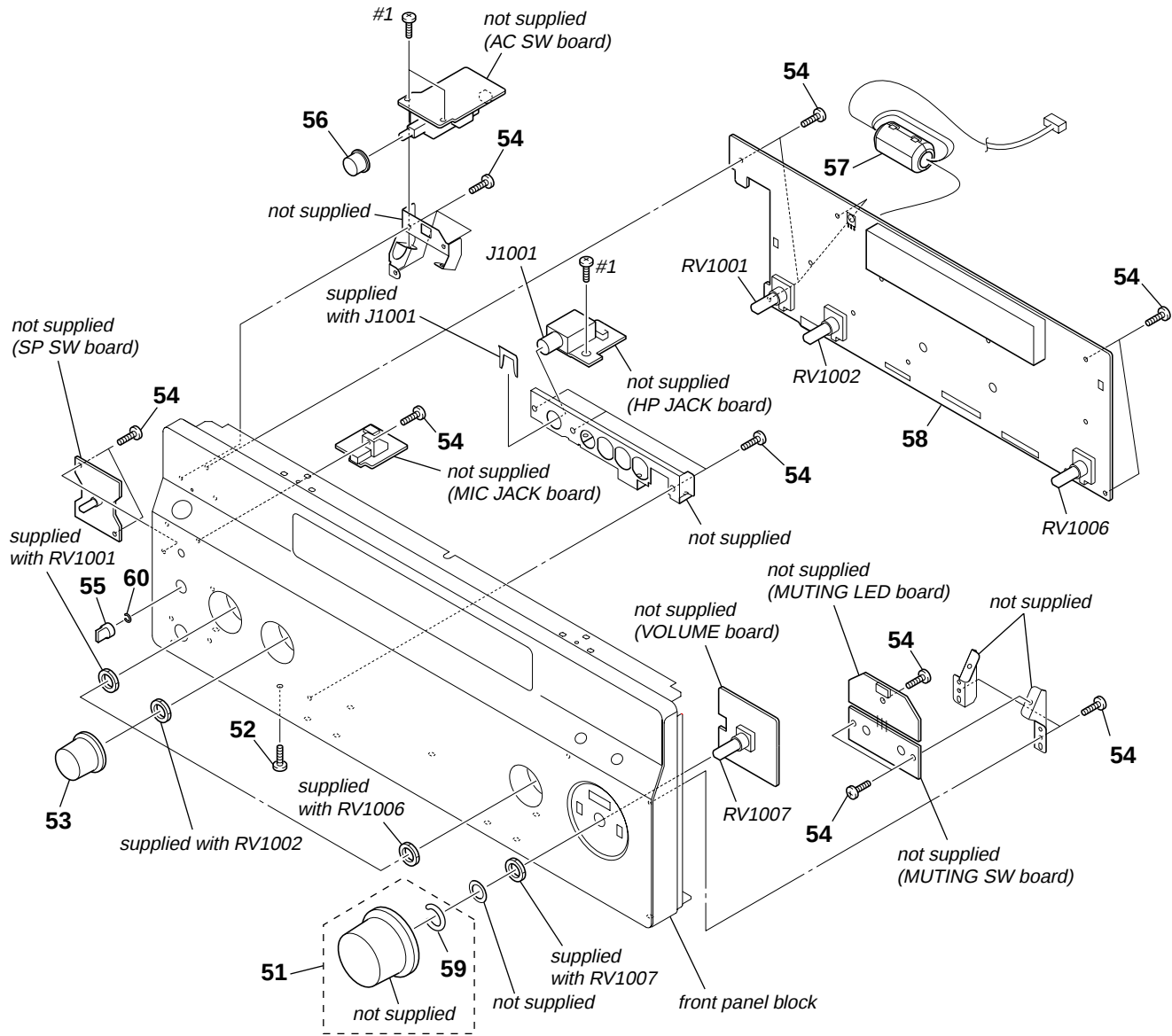
The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified.

6-1. CASE SECTION



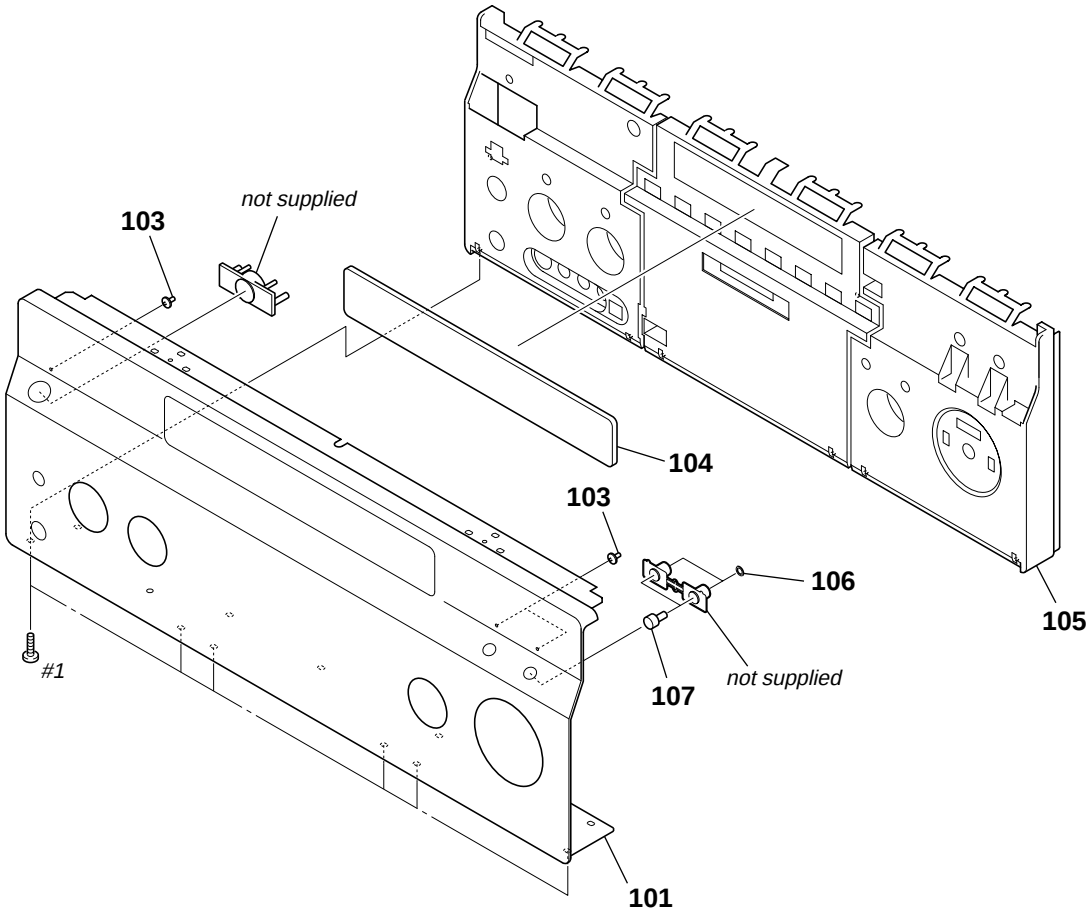
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
1	2-668-102-31	CASE		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
2	4-227-843-12	SCREW (TP), FLAT HEAD		#7	7-685-881-04	SCREW +BVTT 4X8 (S)	
3	3-701-748-00	CLAMP					

6-2. DISPLAY BOARD BLOCK



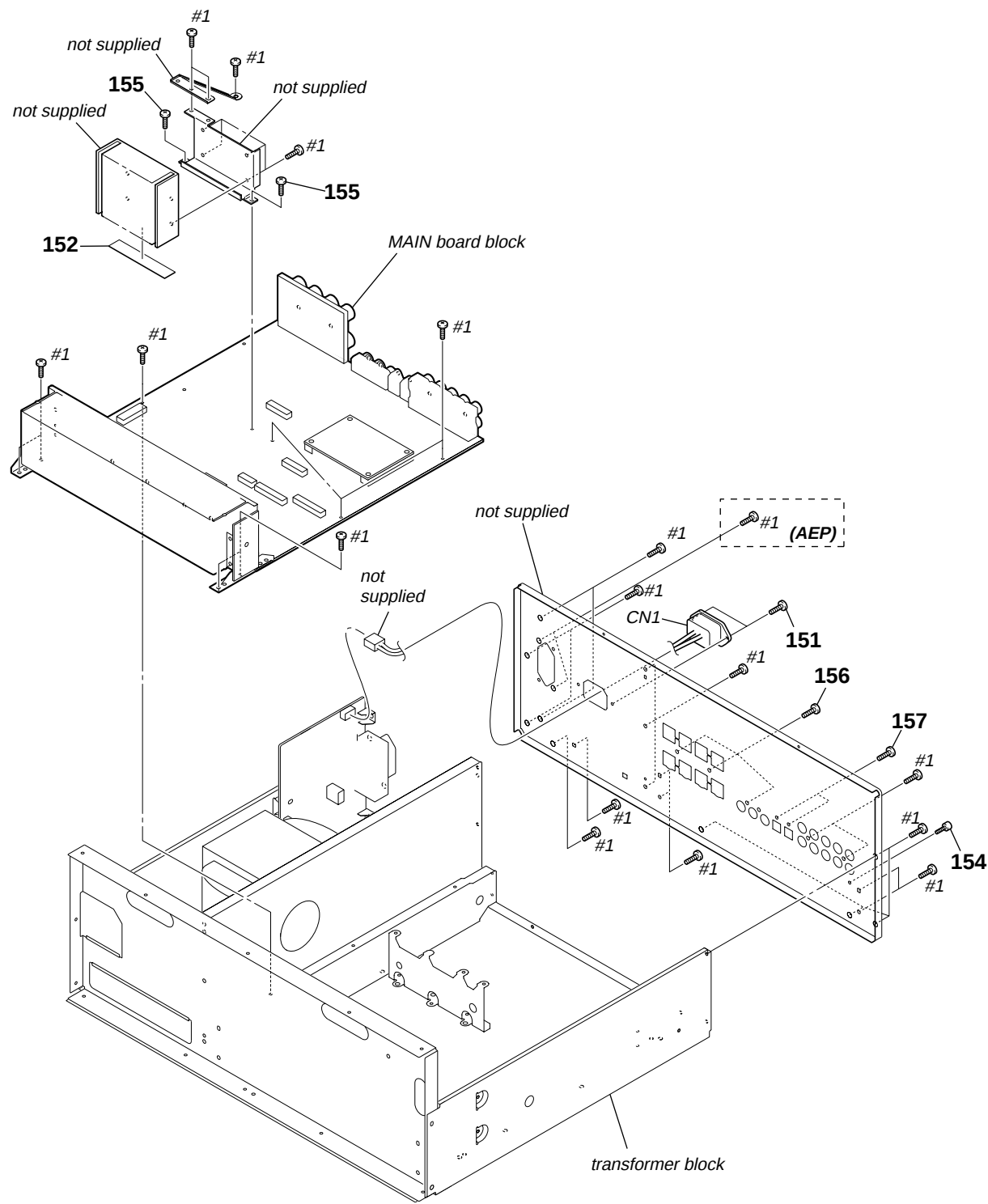
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-4955-650-1	KNOB (VOL) ASSY		60	2-893-374-01	SPRING, RING	
52	3-704-515-22	SCREW (BV/RING)		J1001	1-815-313-11	JACK (PHONES)	
53	2-661-141-41	MENU KNOB		RV1001	1-418-400-11	ENCODER, ROTARY (BASS)	
54	3-087-053-01	+BVTP2.6 (3CR)		RV1002	1-418-400-11	ENCODER, ROTARY (TREBLE)	
55	4-246-103-02	KNOB (SPEAKER)		RV1006	1-418-400-11	ENCODER, ROTARY (INPUT SELECT SR)	
56	X-4955-618-1	BUTTON (POWER) ASSY		RV1007	1-418-725-41	ENCODER, ROTARY (12 TYPE) (VOLUME)	
57	1-543-793-11	FILTER, CLAMP (FERRITE CORE)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
58	A-1194-450-A	DISPLAY BOARD, COMPLETE					
59	3-350-426-01	SPRING					

6-3. FRONT PANEL BLOCK



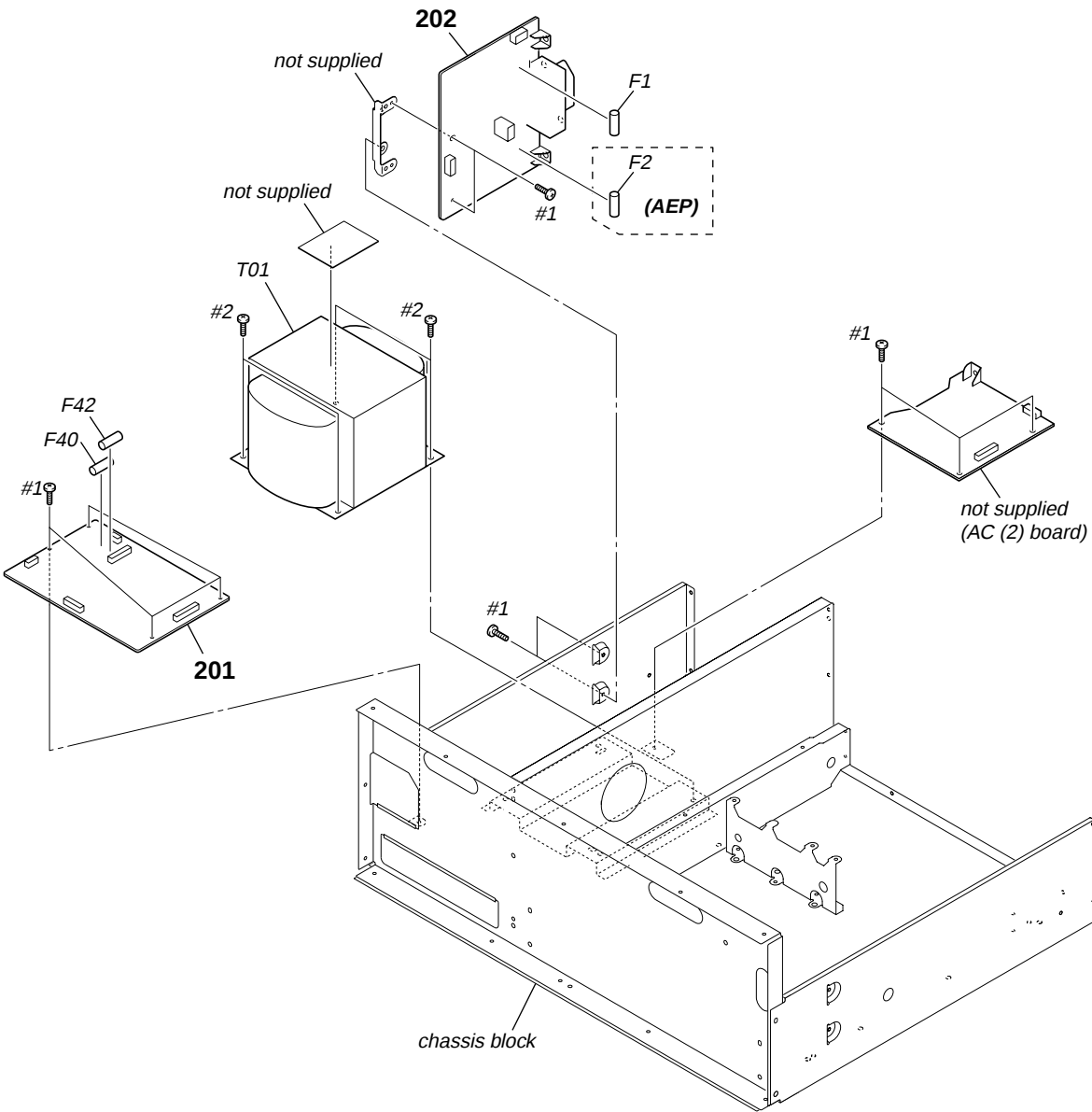
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	2-688-070-11	PANEL (F1), FRONT		106	3-325-697-21	WASHER	
103	X-4950-462-1	LENS ASSY, LED		107	4-246-100-03	BUTTON (DIA. 7)	
104	2-688-241-01	PLATE (FA), INDICATION		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
105	2-668-108-11	BASE, PANEL (A2)					

6-4. HEAT SINK BLOCK



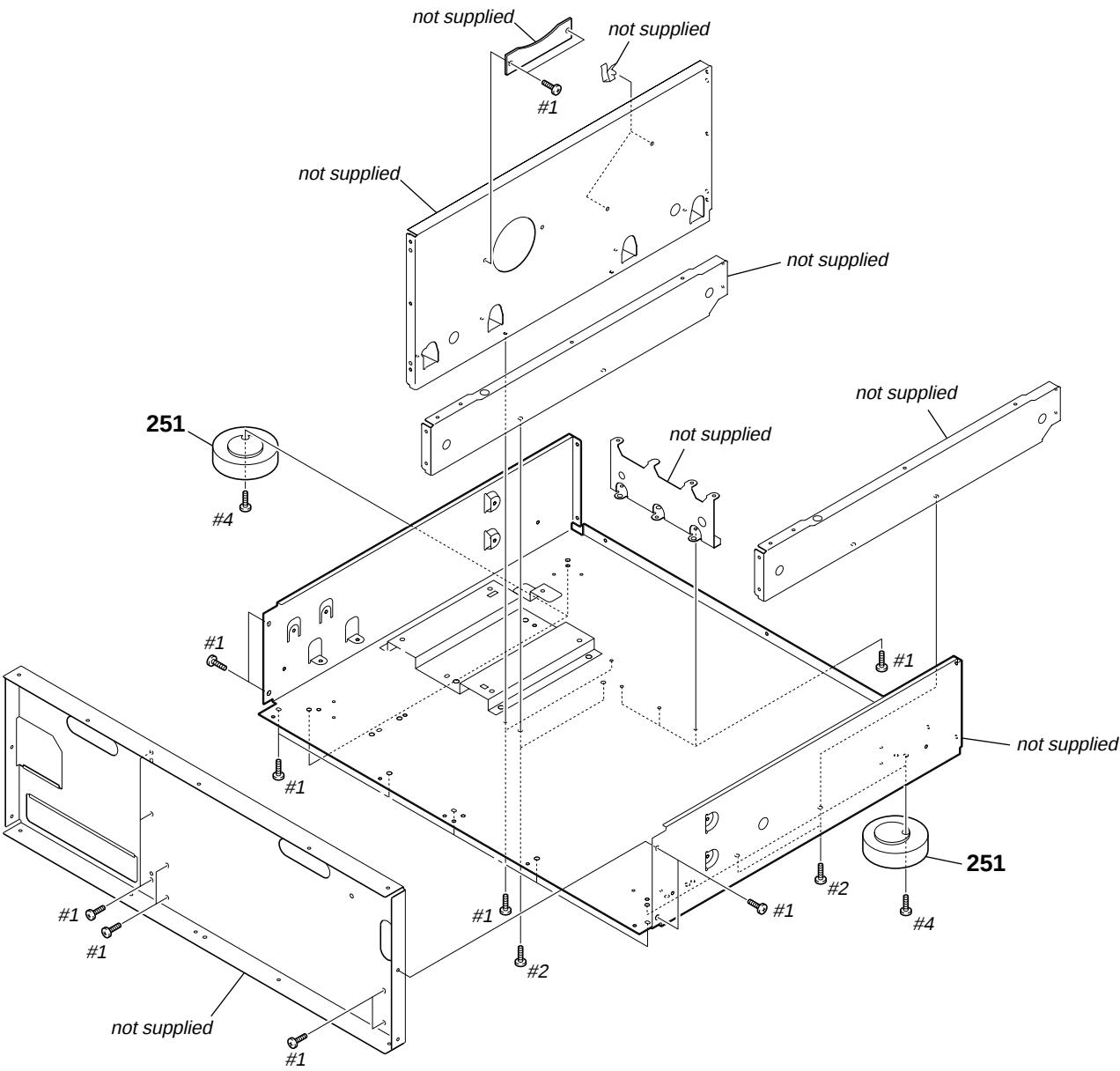
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	2-580-644-01	SCREW, +KTP2 3X8		157	3-704-515-22	SCREW (BV/RING)	
152	2-698-768-01	SHEET (G) RADIATION		△ CN1	1-819-867-11	INLET, AC 2P (-AC IN)	
154	4-947-010-01	SCREW, FEEDER FIXED		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
155	3-905-609-13	SCREW (TRANSISTOR)					
156	4-974-510-11	SCREW (+BV 3X8 CU)					

6-5. TRANSFORMER BLOCK



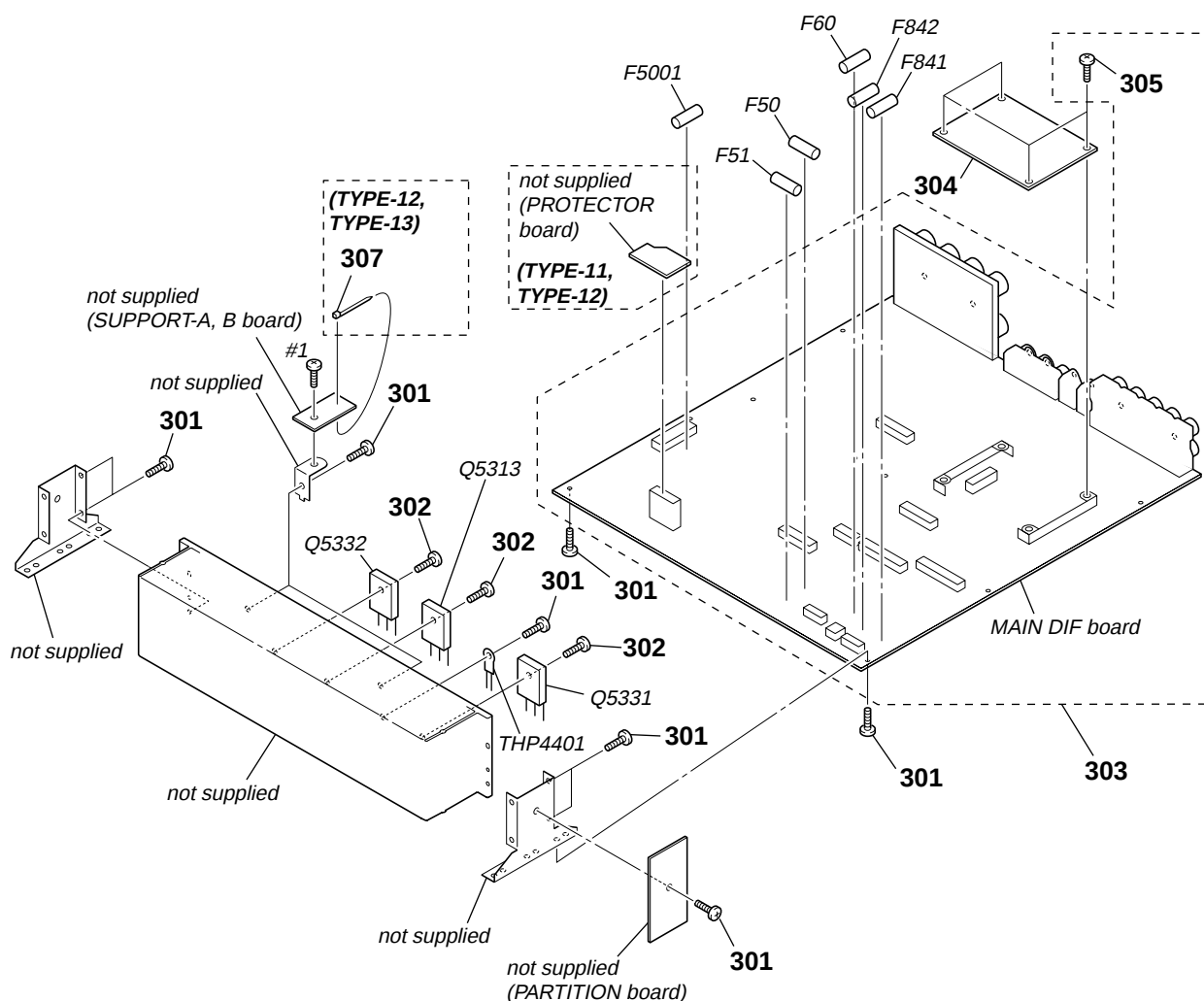
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	A-1214-859-A	DC BOARD, COMPLETE		△ F40	1-532-503-33	FUSE (T1.6AL/250V)	
202	A-1194-456-A	AC (1) BOARD, COMPLETE (AEP)		△ F42	1-532-503-33	FUSE (T1.6AL/250V)	
202	A-1194-461-A	AC (1) BOARD, COMPLETE (UK)		△ T01	1-445-064-11	TRANSFORMER, POWER	
△ F1	1-532-504-33	FUSE (T4AL/250V)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
△ F2	1-532-464-33	FUSE (T2.5AL/250V) (AEP)		#2	7-685-881-09	SCREW +BVTT 4X8 (S)	

6-6. CHASSIS BLOCK



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	X-4955-348-1	FOOT ASSY		#2	7-685-881-09	SCREW +BVTT 4X8 (S)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		#4	7-685-885-09	SCREW +BVTT 4X16 (S)	

6-7. MAIN BOARD BLOCK



Note: Refer to SUPPLEMENT-1 about TYPE-11/TYPE-12/TYPE-13.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	4-974-510-11	SCREW (+BV 3X8 CU)		△ F841	1-532-503-33	FUSE (T1.6AL/250V)	
302	3-905-609-13	SCREW (TRANSISTOR)		△ F842	1-532-503-33	FUSE (T1.6AL/250V)	
303	A-1202-303-A	MAIN DIF BOARD, COMPLETE					
304	A-1194-485-A	DSP BOARD, COMPLETE		△ F5001	1-532-506-33	FUSE (T6.3AL/250V)	
305	3-087-053-01	+BVTP 2.6 (3CR)		Q5313	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
				Q5331	8-729-051-93	TRANSISTOR 2SB1647	
307	3-701-748-00	CLAMP		Q5332	8-729-051-93	TRANSISTOR 2SB1647	
△ F50	1-532-503-33	FUSE (T1.6AL/250V)		THP4401	1-817-728-11	SENSOR, THERMISTOR	
△ F51	1-532-503-33	FUSE (T1.6AL/250V)					
△ F60	1-532-464-33	FUSE (T2.5AL/250V)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 7
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA... : μ A... uPA... : μ PA...
uPB... : μ PB... uPC... : μ PC...
uPD... : μ PD...
CAPACITORS
uF: μ F
COILS
uH: μ H

The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

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

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
	A-1194-456-A	AC (1) BOARD, COMPLETE (AEP)							AC (2) BOARD				
	A-1194-461-A	AC (1) BOARD, COMPLETE (UK)							*****				
		*****							< CAPACITOR >				
	1-533-217-41	HOLDER, FUSE											
		< CAPACITOR >											
△ C1	1-113-925-11	CERAMIC	0.01uF	20%	250V		C11	1-137-438-11	MYLAR	0.0082uF	5%	50V	
△ C19	1-113-511-11	FILM	0.47uF	20%	275V		C12	1-136-357-11	FILM	680PF	5%	100V	
△ C21	1-113-920-11	CERAMIC	0.0022uF	20%	250V		C13	1-112-093-11	ELECT	2200uF	20%	25V	
△ C22	1-115-165-11	FILM	0.1uF	20%	275V		C14	1-112-425-11	ELECT	6800uF	20%	25V	
△ C23	1-113-920-11	CERAMIC	0.0022uF	20%	250V		C15	1-137-150-11	FILM	0.01uF	5%	100V	
△ C24	1-113-920-11	CERAMIC	0.0022uF	20%	250V		C16	1-126-964-11	ELECT	10uF	20%	50V	
C28	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V		C18	1-112-082-11	ELECT	4700uF	20%	10V	
							C25	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C26	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
		< AC OUTLET/CONNECTOR >							< DIODE >				
△ CN2	1-785-285-11	OUTLET, AC (1P) (AC OUTLET) (AEP)					D11	8-719-066-98	DIODE	RB051L-40TE25			
* CN12	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P					D12	8-719-066-98	DIODE	RB051L-40TE25			
CN13	1-784-921-11	PIN, CONNECTOR 4P					D13	8-719-988-61	DIODE	1SS355TE-17			
CN17	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P					D14	8-719-988-61	DIODE	1SS355TE-17			
* CNP11	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P					D15	8-719-066-98	DIODE	RB051L-40TE25			
		< DIODE >					D16	8-719-066-98	DIODE	RB051L-40TE25			
							D17	8-719-069-54	DIODE	UDZSTE-175.1B			
D19	8-719-988-61	DIODE 1SS355TE-17					D18	8-719-066-98	DIODE	RB051L-40TE25			
		< EARTH TERMINAL >							< IC >				
							IC12	8-759-450-47	IC	BA05T			
* EP1	1-537-738-21	TERMINAL, EARTH							< TRANSISTOR >				
		< COIL >											
△ LF1	1-456-574-11	INDUCTOR	1.2mH				Q12	8-729-230-49	TRANSISTOR	2SC2712-YG			
△ LF02	1-456-573-11	INDUCTOR	8.2mH				Q13	8-729-230-49	TRANSISTOR	2SC2712-YG			
							Q14	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
							Q15	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
		< RESISTOR >					Q16	8-729-140-93	TRANSISTOR	2SB733-34			
R24	1-249-389-11	CARBON	4.7	5%	1/4W			< RESISTOR >					
△ R27	1-219-759-11	METAL	1M	5%	1/2W F								
		< RELAY >											
△ RY2	1-755-266-11	RELAY, AC POWER					R13	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	
							R16	1-216-081-00	RES-CHIP	22K	5%	1/10W	
		< TRANSFORMER >					R17	1-216-073-00	RES-CHIP	10K	5%	1/10W	
							R18	1-216-069-00	RES-CHIP	6.8K	5%	1/10W	
							R19	1-216-073-00	RES-CHIP	10K	5%	1/10W	
△ T2	1-435-163-21	TRANSFORMER, POWER					R20	1-216-073-00	RES-CHIP	10K	5%	1/10W	
*****						R21	1-216-061-00	RES-CHIP	3.3K	5%	1/10W		
						R22	1-216-041-00	RES-CHIP	470	5%	1/10W		
						R23	1-216-073-00	RES-CHIP	10K	5%	1/10W		

AC (2)

AC SW

DC

DISPLAY

Ref. No.	Part No.	Description	Remark
< SWITCH >			
S601	1-786-028-11	SWITCH, SLIDE (IMPEDANCE SELECTOR)	

AC SW BOARD			

< CONNECTOR >			
CNP51	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	
CNP57	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
< SWITCH >			
△ S01	1-786-377-11	SWITCH, POWER (POWER)	

A-1214-859-A	DC BOARD, COMPLETE		

1-533-217-41	HOLDER, FUSE		
3-905-609-13	SCREW (TRANSISTOR)		
4-383-023-01	SHEET, MICA		
< CAPACITOR >			
C31	1-130-777-00	MYLAR	0.1uF 5% 100V
C32	1-130-777-00	MYLAR	0.1uF 5% 100V
C33	1-130-777-00	MYLAR	0.1uF 5% 100V
C34	1-100-187-11	MYLAR	0.27uF 5% 250V
C35	1-163-017-00	CERAMIC CHIP	0.0047uF 10% 50V
C36	1-114-276-11	ELECT (BLOCK)	10000uF 20% 80V
C40	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C41	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C42	1-126-953-11	ELECT	2200uF 20% 35V
C43	1-126-953-11	ELECT	2200uF 20% 35V
C44	1-112-431-11	ELECT	1000uF 20% 35V
C5231	1-165-815-91	CERAMIC CHIP	2.2uF 25V
C5232	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C5237	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C5238	1-100-024-21	ELECT	330uF 20% 16V
C5239	1-165-815-91	CERAMIC CHIP	2.2uF 25V
< CONNECTOR >			
CNP31	1-785-103-11	PIN, CONNECTOR (3.96mm PITCH) 5P	
CNP5203	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
< DIODE >			
D31	6-500-661-01	DIODE KCH30A20	
D32	6-500-661-01	DIODE KCH30A20	
D33	8-719-988-61	DIODE 1SS355TE-17	
D40	8-719-053-18	DIODE 1SR154-400TE-25	
D41	8-719-053-18	DIODE 1SR154-400TE-25	
D42	8-719-053-18	DIODE 1SR154-400TE-25	
D43	8-719-053-18	DIODE 1SR154-400TE-25	
D44	8-719-053-18	DIODE 1SR154-400TE-25	
D45	8-719-053-18	DIODE 1SR154-400TE-25	
< EARTH TERMINAL >			
* EP31	1-537-738-21	TERMINAL, EARTH	

Ref. No.	Part No.	Description	Remark		
< IC >					
IC40	8-759-394-35	IC BA12T			
IC5223	8-759-245-86	IC TA79012S			
< TRANSISTOR >					
Q5305	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q5306	8-729-271-31	TRANSISTOR	2SC2713-G		
< RESISTOR >					
R30	1-249-393-11	CARBON	10	5%	1/4W
R5306	1-216-833-11	METAL CHIP	10K	5%	1/10W
< RELAY >					
RY30	1-515-999-11	RELAY, POWER			

A-1194-450-A		DISPLAY BOARD, COMPLETE			

2-389-320-01		CUSHION			
< CAPACITOR >					
C1001	1-104-957-11	ELECT	47uF	20%	25V
C1003	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C1006	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1007	1-112-114-11	ELECT	22uF	20%	50V
C1008	1-119-772-11	ELECT	47uF	20%	35V
C1009	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1010	1-124-261-00	ELECT	10uF	20%	50V
C1011	1-112-083-11	ELECT	100uF	20%	16V
C1012	1-112-083-11	ELECT	100uF	20%	16V
C1014	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1018	1-165-733-31	ELECT	100uF	20%	25V
C1019	1-107-378-11	MYLAR	0.0039uF	5%	200V
C1020	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1021	1-165-746-31	ELECT	22uF	20%	50V
C1022	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1023	1-112-114-11	ELECT	22uF	20%	50V
C1024	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C1025	1-126-795-11	ELECT	10uF	20%	50V
C1028	1-126-795-11	ELECT	10uF	20%	50V
C1029	1-126-795-11	ELECT	10uF	20%	50V
C1032	1-104-957-11	ELECT	47uF	20%	25V
C1033	1-126-795-11	ELECT	10uF	20%	50V
C1034	1-126-795-11	ELECT	10uF	20%	50V
C1035	1-107-925-11	ELECT	1uF	20%	100V
C1036	1-126-795-11	ELECT	10uF	20%	50V
C1037	1-126-795-11	ELECT	10uF	20%	50V
C1038	1-165-746-31	ELECT	22uF	20%	50V
C1039	1-104-957-11	ELECT	47uF	20%	25V
C1040	1-126-795-11	ELECT	10uF	20%	50V
C1042	1-126-795-11	ELECT	10uF	20%	50V
C1043	1-126-795-11	ELECT	10uF	20%	50V
C1044	1-126-795-11	ELECT	10uF	20%	50V
C1045	1-104-957-11	ELECT	47uF	20%	25V
C1046	1-104-957-11	ELECT	47uF	20%	25V
C1047	1-104-957-11	ELECT	47uF	20%	25V

DISPLAY

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C1048	1-164-156-11	CERAMIC CHIP	0.1uF		25V	L1001	1-421-967-11	< COIL >			
C1051	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		INDUCTOR	100uH			
C1052	1-162-927-11	CERAMIC CHIP	100PF	5%	50V						
C1053	1-164-156-11	CERAMIC CHIP	0.1uF		25V		< TRANSISTOR >				
C1054	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	Q1001	8-729-808-42	TRANSISTOR	2SD1624-T		
C1055	1-164-156-11	CERAMIC CHIP	0.1uF		25V	Q1002	8-729-808-42	TRANSISTOR	2SD1624-T		
C1056	1-164-156-11	CERAMIC CHIP	0.1uF		25V	Q1003	8-729-230-49	TRANSISTOR	2SC2712-YG		
C1057	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	Q1004	8-729-230-49	TRANSISTOR	2SC2712-YG		
C1058	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	Q1011	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
C1059	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	Q1012	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
C1062	1-164-156-11	CERAMIC CHIP	0.1uF		25V	Q1013	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
C1202	1-112-114-11	ELECT	22uF	20%	50V	Q1014	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
C1203	1-112-083-11	ELECT	100uF	20%	16V	Q1015	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
C1204	1-163-235-00	CERAMIC CHIP	22PF	5%	50V	Q1016	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
C1205	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	Q1017	8-729-230-49	TRANSISTOR	2SC2712-YG		
C1206	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	< RESISTOR >					
C1207	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	R1001	1-216-001-00	RES-CHIP	10	5%	1/10W
C1208	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	△ R1002	1-249-385-11	CARBON	2.2	5%	1/4W F
C1209	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	△ R1003	1-249-385-11	CARBON	2.2	5%	1/4W F
C1210	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	R1004	1-216-025-11	RES-CHIP	100	5%	1/10W
C1220	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	R1005	1-216-025-11	RES-CHIP	100	5%	1/10W
C1252	1-112-114-11	ELECT	22uF	20%	50V	R1006	1-216-025-11	RES-CHIP	100	5%	1/10W
C1253	1-112-083-11	ELECT	100uF	20%	16V	R1007	1-216-025-11	RES-CHIP	100	5%	1/10W
C1254	1-163-235-00	CERAMIC CHIP	22PF	5%	50V	R1008	1-216-033-00	RES-CHIP	220	5%	1/10W
C1255	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	R1009	1-216-025-11	RES-CHIP	100	5%	1/10W
< CONNECTOR >						R1010	1-216-025-11	RES-CHIP	100	5%	1/10W
CN1006	1-779-799-11	PIN, CONNECTOR 9P				R1011	1-216-025-11	RES-CHIP	100	5%	1/10W
CN2016	1-794-004-11	CONNECTOR 17P				R1012	1-216-079-00	RES-CHIP	18K	5%	1/10W
CNP1402	1-794-005-11	CONNECTOR 19P				R1013	1-216-833-11	METAL CHIP	10K	5%	1/10W
< DIODE >						R1014	1-216-025-11	RES-CHIP	100	5%	1/10W
D1001	8-719-988-61	DIODE	1SS355TE-17			R1015	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
D1002	8-719-988-61	DIODE	1SS355TE-17			R1016	1-216-073-00	RES-CHIP	10K	5%	1/10W
D1003	8-719-988-61	DIODE	1SS355TE-17			R1017	1-216-079-00	RES-CHIP	18K	5%	1/10W
D1014	8-719-056-11	LED	SML72423C-TP15 (ON/STANDBY)			R1018	1-249-393-11	CARBON	10	5%	1/4W
D1015	8-719-041-97	DIODE	MA113- (TX)			R1019	1-216-033-00	RES-CHIP	220	5%	1/10W
D1016	8-719-041-97	DIODE	MA113- (TX)			R1020	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
D1017	8-719-041-97	DIODE	MA113- (TX)			R1022	1-216-073-00	RES-CHIP	10K	5%	1/10W
D1018	8-719-041-97	DIODE	MA113- (TX)			R1023	1-216-025-11	RES-CHIP	100	5%	1/10W
D1019	8-719-978-33	DIODE	DTZ-TT11-6.8B			R1025	1-216-039-00	RES-CHIP	390	5%	1/10W
< FERRITE BEAD >						R1026	1-216-025-11	RES-CHIP	100	5%	1/10W
FB1001	1-469-152-11	FERRITE, EMI (SMD) (2012)				R1027	1-216-025-11	RES-CHIP	100	5%	1/10W
< FLUORESCENT INDICATOR >						R1028	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
FL1001	1-519-863-11	INDICATOR TUBE, FLUORESCENT				R1029	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
< IC >						R1030	1-216-849-11	METAL CHIP	220K	5%	1/10W
IC1001	6-600-349-31	IC	NJL24H400A			R1031	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
IC1002	6-705-468-01	IC	BA33BC0FP-E2			R1032	1-216-849-11	METAL CHIP	220K	5%	1/10W
IC1003	8-759-710-97	IC	NJM4565M-D			R1033	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
IC1004	8-759-825-56	IC	NJM2173AV (TE2)			R1034	1-216-843-11	METAL CHIP	68K	5%	1/10W
IC1202	8-759-710-97	IC	NJM4565M-D			R1036	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
IC1203	6-709-814-01	IC	CXD9725M-HFL			R1037	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1038	1-216-843-11	METAL CHIP	68K	5%	1/10W
						R1039	1-216-083-00	RES-CHIP	27K	5%	1/10W
						R1040	1-216-295-00	SHORT CHIP	0		
						R1042	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1047	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R1049	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1050	1-216-833-11	METAL CHIP	10K	5%	1/10W	C42	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1051	1-216-833-11	METAL CHIP	10K	5%	1/10W	C43	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1052	1-216-821-11	METAL CHIP	1K	5%	1/10W	C45	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1053	1-216-821-11	METAL CHIP	1K	5%	1/10W	C46	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1054	1-216-025-11	RES-CHIP	100	5%	1/10W	C49	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1063	1-216-041-00	RES-CHIP	470	5%	1/10W	C50	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1202	1-216-049-11	RES-CHIP	1K	5%	1/10W	C52	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1203	1-216-097-11	RES-CHIP	100K	5%	1/10W	C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1204	1-216-049-11	RES-CHIP	1K	5%	1/10W	C57	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1205	1-216-013-00	RES-CHIP	33	5%	1/10W	C59	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1206	1-216-013-00	RES-CHIP	33	5%	1/10W	C61	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1207	1-216-097-11	RES-CHIP	100K	5%	1/10W	C62	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1252	1-216-049-11	RES-CHIP	1K	5%	1/10W	C63	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1253	1-216-097-11	RES-CHIP	100K	5%	1/10W	C64	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R1257	1-216-097-11	RES-CHIP	100K	5%	1/10W	C66	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
< ROTARY ENCODER >						C67	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
RV1001	1-418-400-11	ENCODER, ROTARY (TONE BASS)				C70	1-117-370-11	CERAMIC CHIP	10uF		10V
RV1002	1-418-400-11	ENCODER, ROTARY (TONE TREBLE)				C71	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
RV1006	1-418-400-11	ENCODER, ROTARY (INPUT SELECTOR)				C73	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
< RELAY >						C74	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
RY1001	1-755-486-11	RELAY				C75	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
< TRANSFORMER >						C76	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
T1001	1-445-015-11	TRANSFORMER, DC-DC CONVERTER				C77	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
*****						C78	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
A-1194-485-A		DSP BOARD, COMPLETE				C79	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
*****						C80	1-100-635-21	ELECT CHIP	82uF	20%	4V
< CAPACITOR >						C81	1-165-628-21	ELECT CHIP	100uF	20%	2V
C1	1-100-635-21	ELECT CHIP	82uF	20%	4V	C85	1-117-370-11	CERAMIC CHIP	10uF		10V
C3	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C88	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C89	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C90	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C7	1-165-628-21	ELECT CHIP	100uF	20%	2V	C91	1-117-370-11	CERAMIC CHIP	10uF		10V
C8	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C92	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C9	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V	C93	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C10	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V	C94	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C11	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C95	1-117-370-11	CERAMIC CHIP	10uF		10V
C12	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C96	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C19	1-117-370-11	CERAMIC CHIP	10uF		10V	C97	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C23	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< CONNECTOR >					
C24	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	CN1	1-815-136-21	CONNECTOR, BOARD TO BOARD			
C25	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	< FERRITE BEAD >					
C26	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	FB1	1-469-324-21	FERRITE, EMI (SMD) (2012)			
C28	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	FB2	1-469-324-21	FERRITE, EMI (SMD) (2012)			
C29	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	FB3	1-469-324-21	FERRITE, EMI (SMD) (2012)			
C30	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	FB4	1-469-324-21	FERRITE, EMI (SMD) (2012)			
C32	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< IC >					
C33	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC1	6-705-308-01	IC SI-3010KM-TL			
C34	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC2	6-709-759-01	IC ADSST-AVR-1115			
C35	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC3	6-806-961-01	IC SST25VF04-06FAES			
C36	1-117-370-11	CERAMIC CHIP	10uF		10V	IC4	8-759-680-48	IC TC7WH157FK (TE85R)			
C39	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC5	8-759-831-52	IC TC7WH125FK (TE85R)			
C40	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC6	6-701-373-01	IC MC74LCX16373DTR2			
						IC7	6-704-832-01	IC IS61LV6416-10TLT			

TA-FA1200ES

Ver. 1.1

DSP	HP JACK	MAIN DIF
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Ref. No.	Part No.	Description	Remark		
< RESISTOR >					
R1	1-243-227-91	RES-CHIP	0.33	1%	1/8W
R2	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3	1-243-227-91	RES-CHIP	0.33	1%	1/8W
R5	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9	1-216-833-11	METAL CHIP	10K	5%	1/10W
R12	1-216-833-11	METAL CHIP	10K	5%	1/10W
R13	1-216-864-11	SHORT CHIP	0		
R14	1-218-854-11	METAL CHIP	2K	0.5%	1/10W
R15	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R16	1-216-864-11	SHORT CHIP	0		
R17	1-216-864-11	SHORT CHIP	0		
R18	1-216-864-11	SHORT CHIP	0		
R20	1-216-864-11	SHORT CHIP	0		
R21	1-216-833-11	METAL CHIP	10K	5%	1/10W
R23	1-216-817-11	METAL CHIP	470	5%	1/10W
R24	1-216-821-11	METAL CHIP	1K	5%	1/10W
R25	1-216-864-11	SHORT CHIP	0		
R26	1-216-801-11	METAL CHIP	22	5%	1/10W
R27	1-216-801-11	METAL CHIP	22	5%	1/10W
R28	1-216-801-11	METAL CHIP	22	5%	1/10W
R29	1-216-801-11	METAL CHIP	22	5%	1/10W
R30	1-216-801-11	METAL CHIP	22	5%	1/10W
R31	1-216-833-11	METAL CHIP	10K	5%	1/10W
R32	1-216-833-11	METAL CHIP	10K	5%	1/10W
R33	1-216-833-11	METAL CHIP	10K	5%	1/10W
R34	1-216-833-11	METAL CHIP	10K	5%	1/10W
R35	1-216-857-11	METAL CHIP	1M	5%	1/10W
R36	1-216-797-11	METAL CHIP	10	5%	1/10W
R38	1-216-833-11	METAL CHIP	10K	5%	1/10W
R41	1-216-833-11	METAL CHIP	10K	5%	1/10W
R43	1-216-833-11	METAL CHIP	10K	5%	1/10W
R45	1-216-833-11	METAL CHIP	10K	5%	1/10W
R46	1-216-801-11	METAL CHIP	22	5%	1/10W
R47	1-216-864-11	SHORT CHIP	0		
R48	1-216-864-11	SHORT CHIP	0		
R49	1-216-864-11	SHORT CHIP	0		
R50	1-216-864-11	SHORT CHIP	0		
R51	1-216-864-11	SHORT CHIP	0		
R52	1-216-864-11	SHORT CHIP	0		
R53	1-216-801-11	METAL CHIP	22	5%	1/10W
R54	1-216-801-11	METAL CHIP	22	5%	1/10W
R55	1-216-864-11	SHORT CHIP	0		
R56	1-216-864-11	SHORT CHIP	0		
R57	1-216-864-11	SHORT CHIP	0		
R58	1-216-864-11	SHORT CHIP	0		
R59	1-216-864-11	SHORT CHIP	0		
R60	1-216-801-11	METAL CHIP	22	5%	1/10W
R61	1-216-864-11	SHORT CHIP	0		
R62	1-216-864-11	SHORT CHIP	0		
R63	1-216-864-11	SHORT CHIP	0		
R64	1-216-801-11	METAL CHIP	22	5%	1/10W
R65	1-216-801-11	METAL CHIP	22	5%	1/10W
R66	1-216-801-11	METAL CHIP	22	5%	1/10W
R67	1-216-801-11	METAL CHIP	22	5%	1/10W
R68	1-216-801-11	METAL CHIP	22	5%	1/10W
R69	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description	Remark		
< COMPOSITION CIRCUIT BLOCK >					
RB1	1-234-523-21	RES, CHIP NETWORK 0 (3216)			
RB6	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB7	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB8	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB9	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB10	1-234-524-21	RES, CHIP NETWORK 33 (3216)			
RB11	1-234-524-21	RES, CHIP NETWORK 33 (3216)			
RB12	1-234-524-21	RES, CHIP NETWORK 33 (3216)			
RB13	1-234-524-21	RES, CHIP NETWORK 33 (3216)			
< VIBRATOR >					
X1	1-795-807-11	VIBRATOR, CRYSTAL (25MHz)			

HP JACK BOARD					

< CAPACITOR >					
C1026	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1027	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1060	1-165-319-11	CERAMIC CHIP	0.1uF		50V
< CONNECTOR >					
CN1012	1-784-922-11	PIN, CONNECTOR 5P			
CNP1003	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
< EARTH TERMINAL >					
* EB1001	1-537-738-21	TERMINAL, EARTH			
< JACK >					
J1001	1-815-313-11	JACK (PHONES)			

A-1202-303-A MAIN DIF BOARD, COMPLETE					

1-533-217-41 HOLDER, FUSE					
3-087-053-01 +BVTP2.6 (3CR)					
4-974-510-01 SCREW (+BV 3X8 CU)					
< CAPACITOR/JUMPER RESISTOR >					
C50	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C51	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C53	1-112-096-11	ELECT	1uF	20%	50V
C54	1-112-138-11	ELECT	3300uF	20%	35V
C55	1-112-431-11	ELECT	1000uF	20%	35V
C60	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C61	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C62	1-112-175-11	ELECT	6800uF	20%	25V
C411	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C413	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C414	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C415	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C422	1-112-114-11	ELECT	22uF	20%	50V
C431	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C432	1-163-125-00	CERAMIC CHIP	220PF	5%	50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C433	1-112-097-11	ELECT	2.2uF	20%	50V	C1474	1-126-947-11	ELECT	47uF	20%	35V
C434	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1482	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C435	1-112-084-11	ELECT	470uF	20%	16V						
C436	1-125-896-11	MYLAR	0.0091uF	5%	50V	C1483	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C437	1-136-159-00	MYLAR	0.033uF	5%	50V	C1485	1-162-974-11	CERAMIC CHIP	0.01uF		50V
						C1488	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C438	1-112-097-11	ELECT	2.2uF	20%	50V	C1501	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C497	1-112-083-11	ELECT	100uF	20%	16V	C1502	1-114-160-91	CERAMIC CHIP	1uF	10%	100V
C499	1-112-083-11	ELECT	100uF	20%	16V						
C511	1-163-139-00	CERAMIC CHIP	820PF	5%	50V	C1503	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C513	1-163-139-00	CERAMIC CHIP	820PF	5%	50V	C1504	1-112-090-11	ELECT	100uF	20%	25V
						C1505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C514	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1506	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C515	1-163-139-00	CERAMIC CHIP	820PF	5%	50V	C1507	1-165-755-11	ELECT	220uF	20%	63V
C522	1-112-114-11	ELECT	22uF	20%	50V						
C531	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1508	1-100-621-11	ELECT	470uF	20%	10V
C532	1-163-125-00	CERAMIC CHIP	220PF	5%	50V	C1509	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
						C1510	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C533	1-112-097-11	ELECT	2.2uF	20%	50V	C1511	1-100-621-11	ELECT	470uF	20%	10V
C534	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1512	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C535	1-112-084-11	ELECT	470uF	20%	16V						
C536	1-125-896-11	MYLAR	0.0091uF	5%	50V	C1514	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C537	1-136-159-00	MYLAR	0.033uF	5%	50V	C1515	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
						C1516	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C538	1-112-097-11	ELECT	2.2uF	20%	50V	C1517	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C597	1-112-083-11	ELECT	100uF	20%	16V	C1518	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C599	1-112-083-11	ELECT	100uF	20%	16V						
C616	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C1521	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C617	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C1522	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
						C1523	1-114-160-91	CERAMIC CHIP	1uF	10%	100V
C618	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C1524	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C619	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C1525	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C620	1-163-025-11	CERAMIC CHIP	0.001uF		50V						
C621	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C1526	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C628	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C1527	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
						C1528	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C629	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C1530	1-165-755-11	ELECT	220uF	20%	63V
C631	1-163-033-00	CERAMIC CHIP	0.022uF		50V	C1531	1-114-160-91	CERAMIC CHIP	1uF	10%	100V
C632	1-163-033-00	CERAMIC CHIP	0.022uF		50V						
C633	1-112-089-11	ELECT	47uF	20%	25V	C1532	1-110-397-11	ELECT	1000uF	20%	63V
C634	1-112-089-11	ELECT	47uF	20%	25V	C1533	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
						C1534	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C1271	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C1535	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1301	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V	C1536	1-112-090-11	ELECT	100uF	20%	25V
C1302	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V						
C1303	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C1537	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1306	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1538	1-114-160-91	CERAMIC CHIP	1uF	10%	100V
						C1539	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1406	1-126-947-11	ELECT	47uF	20%	35V	C1540	1-165-755-11	ELECT	220uF	20%	63V
C1410	1-100-621-11	ELECT	470uF	20%	10V	C1545	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1411	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V						
C1415	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1546	1-165-755-11	ELECT	220uF	20%	63V
C1416	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1547	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
						C1548	1-110-397-11	ELECT	1000uF	20%	63V
C1419	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1549	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1420	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1550	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1421	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V						
C1422	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1582	1-100-621-11	ELECT	470uF	20%	10V
C1428	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C1603	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
						C1681	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1430	1-100-621-11	ELECT	470uF	20%	10V	C1682	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1431	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1685	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1443	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V						
C1462	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1686	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1463	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1687	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
						C1688	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1464	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1691	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1471	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C1692	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1472	1-126-947-11	ELECT	47uF	20%	35V						

TA-FA1200ES

Ver. 1.1

MAIN DIF

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C1693	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	C2042	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C1694	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	C2043	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C1697	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V						
C1698	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	C2044	1-216-864-11	SHORT CHIP	0		
C1699	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	C2045	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
						C2046	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1700	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	C2047	1-112-084-11	ELECT	470uF	20%	16V
C1701	1-112-830-11	MYLAR	0.5uF	5%	250V	C2048	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1702	1-112-830-11	MYLAR	0.5uF	5%	250V						
C1703	1-112-830-11	MYLAR	0.5uF	5%	250V	C2049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1704	1-112-830-11	MYLAR	0.5uF	5%	250V	C2050	1-112-083-11	ELECT	100uF	20%	16V
						C2051	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1705	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	C2052	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C1706	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	C2053	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C1707	1-112-830-11	MYLAR	0.5uF	5%	250V						
C1708	1-112-830-11	MYLAR	0.5uF	5%	250V	C2054	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1709	1-112-830-11	MYLAR	0.5uF	5%	250V	C2055	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
						C2057	1-112-079-11	ELECT	220uF	20%	10V
C1710	1-112-830-11	MYLAR	0.5uF	5%	250V	C2059	1-112-097-11	ELECT	2.2uF	20%	50V
C1711	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	C2060	1-112-084-11	ELECT	470uF	20%	16V
C1712	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V						
C1713	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	C2078	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1714	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	C2080	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
						C2089	1-112-100-11	ELECT	10uF	20%	50V
C2001	1-112-099-11	ELECT	4.7uF	20%	50V	C2090	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2002	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2091	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2003	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2004	1-112-099-11	ELECT	4.7uF	20%	50V	C2092	1-112-100-11	ELECT	10uF	20%	50V
C2005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2093	1-112-100-11	ELECT	10uF	20%	50V
						C2094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2006	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C2095	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2007	1-112-103-11	ELECT	47uF	20%	63V	C2096	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2008	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2009	1-112-103-11	ELECT	47uF	20%	63V	C2097	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2098	1-112-100-11	ELECT	10uF	20%	50V
						C2099	1-112-083-11	ELECT	100uF	20%	16V
C2012	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C2100	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2013	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C2101	1-112-100-11	ELECT	10uF	20%	50V
C2014	1-163-025-11	CERAMIC CHIP	0.001uF		50V						
C2015	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C2102	1-112-100-11	ELECT	10uF	20%	50V
C2016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2150	1-126-964-11	ELECT	10uF	20%	50V
						C2151	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2017	1-126-935-11	ELECT	470uF	20%	16V	C2152	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2018	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C2153	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C2019	1-112-103-11	ELECT	47uF	20%	63V						
C2022	1-112-114-11	ELECT	22uF	20%	50V	C2177	1-126-933-11	ELECT	100uF	20%	16V
C2023	1-112-114-11	ELECT	22uF	20%	50V	C2180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
						C2181	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2024	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C2182	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2025	1-112-084-11	ELECT	470uF	20%	16V	C2183	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2027	1-112-114-11	ELECT	22uF	20%	50V	C2184	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2185	1-162-974-11	CERAMIC CHIP	0.01uF		50V
						C2186	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2187	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2189	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2031	1-163-251-11	CERAMIC CHIP	100PF	5%	50V						
C2032	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C2201	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2033	1-112-114-11	ELECT	22uF	20%	50V	C2202	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
						C2203	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2034	1-163-139-00	CERAMIC CHIP	820PF	5%	50V	C2204	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2035	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V	C2205	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2036	1-112-114-11	ELECT	22uF	20%	50V						
C2037	1-112-114-11	ELECT	22uF	20%	50V	C2222	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C2038	1-162-911-11	CERAMIC CHIP	6PF	0.5PF	50V	C2225	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
						C2226	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2227	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2041	1-163-139-00	CERAMIC CHIP	820PF	5%	50V						

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C2229	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5090	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2230	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5093	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2231	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2233	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5094	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2234	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5099	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
						C5113	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5114	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2242	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5133	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2243	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2247	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5134	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2248	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5197	1-165-815-91	CERAMIC CHIP	2.2uF		25V
						C5198	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C2249	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5199	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C2250	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5200	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2251	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V						
C2252	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5201	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2255	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5202	1-112-084-11	ELECT	470uF	20%	16V
						C5205	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C2257	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5208	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2264	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5209	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2266	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V						
C2267	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5210	1-104-666-11	ELECT	220uF	20%	25V
C2268	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5211	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
						C5212	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2269	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5213	1-112-085-11	ELECT	1000uF	20%	16V
C2270	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5214	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2271	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2272	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5215	1-112-084-11	ELECT	470uF	20%	16V
C2273	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5216	1-112-085-11	ELECT	1000uF	20%	16V
						C5217	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2274	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5218	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2275	1-126-933-11	ELECT	100uF	20%	16V	C5219	1-112-084-11	ELECT	470uF	20%	16V
C2276	1-126-964-11	ELECT	10uF	20%	50V						
C2277	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5220	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2278	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5241	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
						C5242	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2279	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5243	1-112-084-11	ELECT	470uF	20%	16V
C2280	1-126-960-11	ELECT	1uF	20%	50V	C5244	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2283	1-117-720-11	CERAMIC CHIP	4.7uF		10V						
C2284	1-117-720-11	CERAMIC CHIP	4.7uF		10V	C5245	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2285	1-117-720-11	CERAMIC CHIP	4.7uF		10V	C5246	1-112-095-11	ELECT	3300uF	20%	35V
						C5247	1-112-095-11	ELECT	3300uF	20%	35V
C2286	1-117-720-11	CERAMIC CHIP	4.7uF		10V	C5248	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2287	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5249	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2290	1-164-156-11	CERAMIC CHIP	0.1uF		25V						
C3306	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	C5250	1-112-085-11	ELECT	1000uF	20%	16V
C3307	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	C5251	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
						C5252	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C3310	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C5253	1-112-085-11	ELECT	1000uF	20%	16V
C3311	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C5257	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C3326	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						
C3327	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C5258	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C3406	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	C5281	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
						C5282	1-112-177-11	ELECT	330uF	20%	16V
C3407	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	C5283	1-104-662-91	ELECT	22uF	20%	25V
C3410	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C5284	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C3411	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						
C3426	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C5301	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C3427	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C5302	1-100-621-11	ELECT	470uF	20%	10V
						C5303	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5000	1-117-720-11	CERAMIC CHIP	4.7uF		10V	C5307	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5020	1-117-720-11	CERAMIC CHIP	4.7uF		10V	C5311	1-128-552-51	ELECT	47uF	20%	63V
C5069	1-100-154-11	CERAMIC CHIP	330PF	5%	100V						
C5070	1-100-154-11	CERAMIC CHIP	330PF	5%	100V	C5331	1-114-277-11	ELECT (BLOCK)	10000uF	20%	71V
C5073	1-100-154-11	CERAMIC CHIP	330PF	5%	100V	C5342	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
						C5343	1-112-441-11	ELECT	1000uF	20%	50V
C5074	1-100-154-11	CERAMIC CHIP	330PF	5%	100V	C5357	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C5079	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	C5358	1-137-150-11	FILM	0.01uF	5%	100V
C5089	1-100-154-11	CERAMIC CHIP	330PF	5%	100V						

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MAIN DIF

Ref. No.	Part No.	Description	Remark		
C5359	1-112-043-11	MYLAR 1uF 10%	250V		
C5361	1-128-566-11	ELECT 470uF 20%	100V		
C5362	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V		
C5363	1-112-084-11	ELECT 470uF 20%	16V		
C5364	1-112-090-11	ELECT 100uF 20%	25V		
C5365	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V		
C5366	1-112-084-11	ELECT 470uF 20%	16V		
C5367	1-162-919-11	CERAMIC CHIP 22PF 5%	50V		
C5368	1-165-815-91	CERAMIC CHIP 2.2uF	25V		
C5369	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V		
C5370	1-112-177-11	ELECT 330uF 20%	16V		
C5375	1-112-177-11	ELECT 330uF 20%	16V		
C5397	1-162-919-11	CERAMIC CHIP 22PF 5%	50V		
C5427	1-112-089-11	ELECT 47uF 20%	25V		
C5434	1-100-158-11	CERAMIC CHIP 1000PF 5%	100V		
C5435	1-100-158-11	CERAMIC CHIP 1000PF 5%	100V		
< CONNECTOR >					
CN1404	1-691-769-11	PLUG (MICRO CONNECTOR) 7P			
CN2004	1-785-910-21	CONNECTOR, BOARD TO BOARD 50P			
CN2011	1-794-004-11	CONNECTOR 17P			
CNP1401	1-794-005-11	CONNECTOR 19P			
CNP1404	1-784-923-11	PIN, CONNECTOR 7P			
CNP2001	1-779-977-11	PIN, CONNECTOR 6P			
CNP2002	1-779-978-11	PIN, CONNECTOR 3P			
* CNP2013	1-778-867-51	CONNECTOR, FFC/FPC 6P			
CNP5201	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CNP5202	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CNP5205	1-691-770-11	PLUG (MICRO CONNECTOR) 8P			
CNP5206	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CNP5301	1-785-104-11	PIN, CONNECTOR (3.96mm PITCH) 6P			
< DIODE/JUMPER RESISTOR >					
D50	8-719-043-53	DIODE D2SBA20F03			
D51	8-719-210-39	DIODE EC10QS-04			
D60	8-719-028-23	DIODE D3SBA20-4101			
D1415	8-719-988-61	DIODE 1SS355TE-17			
D1501	6-501-485-01	DIODE EC10UA20			
D1502	6-501-485-01	DIODE EC10UA20			
D1503	6-501-485-01	DIODE EC10UA20			
D1504	6-501-485-01	DIODE EC10UA20			
D1513	6-501-484-01	DIODE P6SMB62AT3			
D1522	6-501-484-01	DIODE P6SMB62AT3			
D1523	6-501-484-01	DIODE P6SMB62AT3			
D1524	6-501-484-01	DIODE P6SMB62AT3			
D1541	8-719-988-61	DIODE 1SS355TE-17			
D1548	8-719-988-61	DIODE 1SS355TE-17			
D2001	1-216-296-00	SHORT CHIP 0			
D2002	8-719-988-61	DIODE 1SS355TE-17			
D2101	8-719-988-61	DIODE 1SS355TE-17			
D5079	8-719-988-61	DIODE 1SS355TE-17			
D5099	8-719-988-61	DIODE 1SS355TE-17			
D5241	8-719-043-53	DIODE D2SBA20F03			
D5242	8-719-053-18	DIODE 1SR154-400TE-25			
D5243	8-719-053-18	DIODE 1SR154-400TE-25			
D5310	8-719-988-61	DIODE 1SS355TE-17			
D5311	8-719-988-61	DIODE 1SS355TE-17			
D5312	8-719-988-61	DIODE 1SS355TE-17			

Ref. No.	Part No.	Description	Remark
		< EARTH TERMINAL >	
* EP40	1-537-738-21	TERMINAL, EARTH	
* EP1408	1-537-738-21	TERMINAL, EARTH	
* EP5209	1-537-738-21	TERMINAL, EARTH	
		< FERRITE BEAD >	
FB804	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1401	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1402	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1403	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1405	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1501	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB1502	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB2001	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2002	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2003	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB2005	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2006	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB2012	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2022	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2023	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2030	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2037	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2038	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2201	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB5201	1-469-152-11	FERRITE, EMI (SMD) (2012)	
< IC >			
IC301	8-759-710-97	IC NJM4565M-D	
IC611	8-759-710-97	IC NJM4565M-D	
IC612	8-759-710-97	IC NJM4565M-D	
IC613	8-759-710-97	IC NJM4565M-D	
IC615	8-759-710-97	IC NJM4565M-D	
IC1301	6-709-809-01	IC TC9273CFG-012 (EL)	
IC1401	8-759-832-05	IC BA18BC0FP-E2	
IC1403	8-759-058-62	IC TC7S08FU (TE85R)	
IC1411	8-759-524-50	IC TC74VHC541FT (EL)	
IC1412	6-709-035-01	IC CXD9876R	
IC1419	8-759-524-50	IC TC74VHC541FT (EL)	
IC1501	6-710-431-01	IC CXD9879AM	
IC1502	6-710-431-01	IC CXD9879AM	
IC1800	6-807-103-01	IC MB89F538L-FA1ES-X102	
IC2001	6-600-466-01	IC TORX147L (SONY) (DIGITAL 4 IN OPTICAL)	
IC2002	8-759-710-97	IC NJM4565M-D	
IC2003	6-600-461-11	IC TOTX147L (R) (DIGITAL 4 OUT OPTICAL)	
IC2004	6-708-476-01	IC AK4384ET-E2	
IC2006	6-708-025-01	IC LC89057W-VF4A-E	
IC2007	8-759-233-64	IC TC74HCU04AF	
IC2010	8-759-710-97	IC NJM4565M-D	
IC2017	8-759-524-48	IC TC74VHC393FT (EL)	
IC2024	6-701-834-01	IC PCM1802DBR	
IC2031	8-759-524-50	IC TC74VHC541FT (EL)	
IC2035	8-759-649-46	IC SN74AHC1G08DCKR	
IC2036	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2038	8-759-524-50	IC TC74VHC541FT (EL)	
IC2051	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC2052	6-702-913-01	IC S-80929CNMC-G8ZT2G	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
IC2054	6-806-762-01	IC MB91F355APMT-FA1ES-X103		Q5341	8-729-271-31	TRANSISTOR	2SC2713-G
IC2055	6-704-005-01	IC BR24L32F-WE2		Q5342	8-729-017-05	TRANSISTOR	2SA1837
IC2056	8-759-277-63	IC TC7W14FU (TE12R)		Q5343	8-729-271-31	TRANSISTOR	2SC2713-G
IC2057	8-759-058-62	IC TC7S08FU (TE85R)		Q5344	8-729-232-69	FET	2SK208-GR3
IC5201	8-759-445-59	IC BA033T		< RESISTOR >			
IC5206	8-759-245-86	IC TA79012S		R50	1-216-081-00	RES-CHIP	22K 5% 1/10W
IC5210	8-759-450-47	IC BA05T		R51	1-216-089-11	RES-CHIP	47K 5% 1/10W
IC5211	8-759-445-59	IC BA033T		R52	1-216-073-00	RES-CHIP	10K 5% 1/10W
IC5212	8-759-445-59	IC BA033T		R411	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
IC5213	6-707-542-01	IC TA48025S		R413	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
IC5231	8-759-231-53	IC TA7805S		R414	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
IC5232	8-759-473-41	IC BA10T		R415	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
IC5233	8-759-245-84	IC TA79010S		R421	1-216-230-00	RES-CHIP	22K 2% 1/8W
IC5281	8-759-545-66	IC NJM3414AMP (TE2)		R422	1-216-238-00	RES-CHIP	47K 2% 1/8W
IC5301	6-707-905-01	IC M62343FP		R423	1-216-238-00	RES-CHIP	47K 2% 1/8W
IC5333	8-759-545-66	IC NJM3414AMP (TE2)		R424	1-219-107-11	RES-CHIP	1.5 5% 1/8W
IC5360	8-759-445-59	IC BA033T		R425	1-219-107-11	RES-CHIP	1.5 5% 1/8W
IC5361	8-759-394-35	IC BA12T		R431	1-216-206-00	RES-CHIP	2.2K 2% 1/8W
< JACK >				R432	1-216-246-00	RES-CHIP	100K 2% 1/8W
J605	1-778-517-11	JACK, PIN 6P (PHONO/TUNER/SA-CD CD IN)		R433	1-216-246-00	RES-CHIP	100K 2% 1/8W
J606	1-784-934-11	JACK, PIN 4P (TAPE IN/OUT)		R434	1-208-419-11	RES-CHIP	180 2% 1/8W
J2001	1-820-547-11	JACK, PIN 3P (DIGITAL 1/2/3 IN COAXIAL)		R435	1-208-508-11	RES-CHIP	8.2K 2% 1/8W
< JUMPER RESISTOR >				R436	1-216-246-00	RES-CHIP	100K 2% 1/8W
JW2004	1-216-295-00	SHORT CHIP 0		R437	1-216-174-00	RES-CHIP	100 2% 1/8W
< COIL >				R438	1-216-246-00	RES-CHIP	100K 2% 1/8W
L1411	1-456-412-11	INDUCTOR 10uH		R439	1-216-190-00	RES-CHIP	470 2% 1/8W
L1412	1-456-412-11	INDUCTOR 10uH		R461	1-216-222-00	RES-CHIP	10K 2% 1/8W
L1413	1-456-412-11	INDUCTOR 10uH		R474	1-219-107-11	RES-CHIP	1.5 5% 1/8W
L1414	1-456-412-11	INDUCTOR 10uH		R475	1-219-107-11	RES-CHIP	1.5 5% 1/8W
L5018	1-456-594-11	INDUCTOR 33uH		R492	1-216-246-00	RES-CHIP	100K 2% 1/8W
L5038	1-456-594-11	INDUCTOR 33uH		R511	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
< TRANSISTOR >				R513	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
Q50	8-729-271-31	TRANSISTOR 2SC2713-G		R514	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
Q1402	8-729-271-31	TRANSISTOR 2SC2713-G		R515	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
Q2002	1-801-806-11	TRANSISTOR DTC144EKA-T146		R522	1-216-238-00	RES-CHIP	47K 2% 1/8W
Q2004	1-801-806-11	TRANSISTOR DTC144EKA-T146		R523	1-216-238-00	RES-CHIP	47K 2% 1/8W
Q2005	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L		R524	1-216-230-00	RES-CHIP	22K 2% 1/8W
Q2006	8-729-027-43	TRANSISTOR DTC114EKA-T146		R531	1-216-206-00	RES-CHIP	2.2K 2% 1/8W
Q2007	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L		R532	1-216-246-00	RES-CHIP	100K 2% 1/8W
Q5000	8-729-216-31	TRANSISTOR 2SA1163-G		R533	1-216-246-00	RES-CHIP	100K 2% 1/8W
Q5001	8-729-216-31	TRANSISTOR 2SA1163-G		R534	1-208-419-11	RES-CHIP	180 2% 1/8W
Q5020	8-729-216-31	TRANSISTOR 2SA1163-G		R535	1-208-508-11	RES-CHIP	8.2K 2% 1/8W
Q5021	8-729-216-31	TRANSISTOR 2SA1163-G		R536	1-216-246-00	RES-CHIP	100K 2% 1/8W
Q5269	8-729-027-38	TRANSISTOR DTA144EKA-T146		R537	1-216-174-00	RES-CHIP	100 2% 1/8W
Q5271	8-729-230-49	TRANSISTOR 2SC2712-YG		R538	1-216-246-00	RES-CHIP	100K 2% 1/8W
Q5276	8-729-230-49	TRANSISTOR 2SC2712-YG		R539	1-216-190-00	RES-CHIP	470 2% 1/8W
Q5278	8-729-230-49	TRANSISTOR 2SC2712-YG		R561	1-216-222-00	RES-CHIP	10K 2% 1/8W
Q5281	8-729-271-31	TRANSISTOR 2SC2713-G		R592	1-216-246-00	RES-CHIP	100K 2% 1/8W
Q5311	8-729-271-31	TRANSISTOR 2SC2713-G		R634	1-216-182-00	RES-CHIP	220 2% 1/8W
Q5312	8-729-271-31	TRANSISTOR 2SC2713-G		R635	1-216-182-00	RES-CHIP	220 2% 1/8W
Q5328	8-729-216-31	TRANSISTOR 2SA1163-G		R1301	1-216-013-00	RES-CHIP	33 5% 1/10W
Q5334	8-729-017-06	TRANSISTOR 2SC4793		R1302	1-216-013-00	RES-CHIP	33 5% 1/10W
				R1317	1-216-025-11	RES-CHIP	100 5% 1/10W
				R1401	1-216-833-11	METAL CHIP	10K 5% 1/10W
				R1402	1-216-857-11	METAL CHIP	1M 5% 1/10W
				R1403	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R1404	1-216-833-11	METAL CHIP	10K 5% 1/10W

TA-FA1200ES

MAIN DIF

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1405	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1542	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1406	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1543	1-216-809-11	METAL CHIP	100	5%	1/10W
R1411	1-216-809-11	METAL CHIP	100	5%	1/10W	R1545	1-216-809-11	METAL CHIP	100	5%	1/10W
R1412	1-216-809-11	METAL CHIP	100	5%	1/10W	R1551	1-216-809-11	METAL CHIP	100	5%	1/10W
R1413	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1552	1-216-809-11	METAL CHIP	100	5%	1/10W
R1414	1-216-809-11	METAL CHIP	100	5%	1/10W	R1553	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1417	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1554	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1418	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1555	1-216-797-11	METAL CHIP	10	5%	1/10W
R1419	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1556	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1422	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1557	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1424	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1425	1-216-809-11	METAL CHIP	100	5%	1/10W	R1559	1-216-809-11	METAL CHIP	100	5%	1/10W
R1431	1-216-864-11	SHORT CHIP	0			R1560	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1432	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1561	1-216-809-11	METAL CHIP	100	5%	1/10W
R1433	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1562	1-216-809-11	METAL CHIP	100	5%	1/10W
R1434	1-216-809-11	METAL CHIP	100	5%	1/10W	R1563	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1436	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1564	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1437	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1440	1-216-809-11	METAL CHIP	100	5%	1/10W	R1566	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1441	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1567	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1442	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1568	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1443	1-216-809-11	METAL CHIP	100	5%	1/10W	R1569	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1444	1-216-809-11	METAL CHIP	100	5%	1/10W	R1570	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1445	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R1571	1-216-809-11	METAL CHIP	100	5%	1/10W
R1447	1-216-809-11	METAL CHIP	100	5%	1/10W	R1573	1-216-797-11	METAL CHIP	10	5%	1/10W
R1449	1-216-809-11	METAL CHIP	100	5%	1/10W	R1574	1-216-797-11	METAL CHIP	10	5%	1/10W
R1455	1-216-809-11	METAL CHIP	100	5%	1/10W	R1577	1-216-809-11	METAL CHIP	100	5%	1/10W
R1461	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1578	1-216-809-11	METAL CHIP	100	5%	1/10W
R1462	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1580	1-216-797-11	METAL CHIP	10	5%	1/10W
R1463	1-216-809-11	METAL CHIP	100	5%	1/10W	R1581	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1464	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1582	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1467	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1583	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1468	1-216-809-11	METAL CHIP	100	5%	1/10W	R1584	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1469	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1585	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1472	1-216-809-11	METAL CHIP	100	5%	1/10W	R1586	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1474	1-216-809-11	METAL CHIP	100	5%	1/10W	R1587	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1475	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1588	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1476	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1589	1-216-809-11	METAL CHIP	100	5%	1/10W
R1477	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1590	1-216-809-11	METAL CHIP	100	5%	1/10W
R1479	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1591	1-216-797-11	METAL CHIP	10	5%	1/10W
R1483	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1592	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1485	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1593	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1486	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1594	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1508	1-216-797-11	METAL CHIP	10	5%	1/10W	R1595	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1509	1-216-809-11	METAL CHIP	100	5%	1/10W	R1596	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1703	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1512	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1711	1-260-107-11	CARBON	4.7K	5%	1/2W
R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1712	1-260-107-11	CARBON	4.7K	5%	1/2W
R1514	1-216-809-11	METAL CHIP	100	5%	1/10W	R2001	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R1515	1-216-809-11	METAL CHIP	100	5%	1/10W	R2002	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R1516	1-216-809-11	METAL CHIP	100	5%	1/10W	R2003	1-216-809-11	METAL CHIP	100	5%	1/10W
R1517	1-216-809-11	METAL CHIP	100	5%	1/10W	R2004	1-216-809-11	METAL CHIP	100	5%	1/10W
R1518	1-216-809-11	METAL CHIP	100	5%	1/10W	R2005	1-216-809-11	METAL CHIP	100	5%	1/10W
R1522	1-216-797-11	METAL CHIP	10	5%	1/10W	R2006	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1531	1-216-839-11	METAL CHIP	33K	5%	1/10W	R2007	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1533	1-216-809-11	METAL CHIP	100	5%	1/10W	R2008	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1536	1-216-791-11	METAL CHIP	3.3	5%	1/10W	R2009	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R1541	1-216-809-11	METAL CHIP	100	5%	1/10W						

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R2010	1-208-774-11	METAL CHIP	470	0.5%	1/10W	R2235	1-216-805-11	METAL CHIP	47	5%	1/10W
R2011	1-216-809-11	METAL CHIP	100	5%	1/10W	R2236	1-216-805-11	METAL CHIP	47	5%	1/10W
R2012	1-216-033-00	RES-CHIP	220	5%	1/10W	R2237	1-216-805-11	METAL CHIP	47	5%	1/10W
R2013	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2251	1-216-809-11	METAL CHIP	100	5%	1/10W
R2014	1-216-809-11	METAL CHIP	100	5%	1/10W	R2252	1-216-809-11	METAL CHIP	100	5%	1/10W
R2015	1-208-787-11	METAL CHIP	1.6K	0.5%	1/10W	R2253	1-216-809-11	METAL CHIP	100	5%	1/10W
R2016	1-208-550-41	RES-CHIP	470K	2%	1/10W	R2254	1-216-809-11	METAL CHIP	100	5%	1/10W
R2017	1-208-550-41	RES-CHIP	470K	2%	1/10W	R2255	1-216-809-11	METAL CHIP	100	5%	1/10W
R2019	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2257	1-216-809-11	METAL CHIP	100	5%	1/10W
R2020	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2021	1-208-787-11	METAL CHIP	1.6K	0.5%	1/10W	R2294	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2022	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	R2295	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2023	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2296	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2024	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2317	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2025	1-216-809-11	METAL CHIP	100	5%	1/10W	R2321	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2026	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2322	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2027	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2028	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	R2324	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2029	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R2326	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2030	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2330	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2031	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2333	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2032	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2338	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2033	1-216-857-11	METAL CHIP	1M	5%	1/10W	R2342	1-216-809-11	METAL CHIP	100	5%	1/10W
R2034	1-216-809-11	METAL CHIP	100	5%	1/10W	R2344	1-216-809-11	METAL CHIP	100	5%	1/10W
R2035	1-216-033-00	RES-CHIP	220	5%	1/10W	R2345	1-216-809-11	METAL CHIP	100	5%	1/10W
R2036	1-216-813-11	METAL CHIP	220	5%	1/10W	R2350	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2037	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2351	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2038	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R2354	1-216-809-11	METAL CHIP	100	5%	1/10W
R2039	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2355	1-216-809-11	METAL CHIP	100	5%	1/10W
R2040	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	R2356	1-216-809-11	METAL CHIP	100	5%	1/10W
R2041	1-247-807-11	CARBON	100	5%	1/4W	R2357	1-216-809-11	METAL CHIP	100	5%	1/10W
R2042	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R2358	1-216-809-11	METAL CHIP	100	5%	1/10W
R2043	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R2359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2044	1-216-809-11	METAL CHIP	100	5%	1/10W	R2360	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2045	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	R2361	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2050	1-216-805-11	METAL CHIP	47	5%	1/10W	R2362	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2053	1-216-635-11	METAL CHIP	220	0.5%	1/10W	R2363	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2055	1-216-809-11	METAL CHIP	100	5%	1/10W	R2364	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2057	1-216-687-11	METAL CHIP	33K	0.5%	1/10W	R2367	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2058	1-216-603-11	METAL CHIP	10	0.5%	1/10W	R2369	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2061	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2370	1-216-809-11	METAL CHIP	100	5%	1/10W
R2064	1-216-817-11	METAL CHIP	470	5%	1/10W	R2371	1-216-809-11	METAL CHIP	100	5%	1/10W
R2075	1-216-809-11	METAL CHIP	100	5%	1/10W	R2372	1-216-809-11	METAL CHIP	100	5%	1/10W
R2079	1-216-809-11	METAL CHIP	100	5%	1/10W	R2373	1-216-809-11	METAL CHIP	100	5%	1/10W
R2084	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2374	1-216-809-11	METAL CHIP	100	5%	1/10W
R2086	1-216-809-11	METAL CHIP	100	5%	1/10W	R2377	1-216-809-11	METAL CHIP	100	5%	1/10W
R2087	1-216-857-11	METAL CHIP	1M	5%	1/10W	R2378	1-216-809-11	METAL CHIP	100	5%	1/10W
R2094	1-216-809-11	METAL CHIP	100	5%	1/10W	R2379	1-216-809-11	METAL CHIP	100	5%	1/10W
R2096	1-216-809-11	METAL CHIP	100	5%	1/10W	R2382	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2121	1-216-809-11	METAL CHIP	100	5%	1/10W	R2383	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2123	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2384	1-216-809-11	METAL CHIP	100	5%	1/10W
R2124	1-216-809-11	METAL CHIP	100	5%	1/10W	R2385	1-216-809-11	METAL CHIP	100	5%	1/10W
R2125	1-216-809-11	METAL CHIP	100	5%	1/10W	R2386	1-216-809-11	METAL CHIP	100	5%	1/10W
R2176	1-216-809-11	METAL CHIP	100	5%	1/10W	R2387	1-216-809-11	METAL CHIP	100	5%	1/10W
R2231	1-216-805-11	METAL CHIP	47	5%	1/10W	R2388	1-216-809-11	METAL CHIP	100	5%	1/10W
R2232	1-216-805-11	METAL CHIP	47	5%	1/10W	R2389	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2233	1-216-805-11	METAL CHIP	47	5%	1/10W	R2390	1-216-815-11	METAL CHIP	330	5%	1/10W
R2234	1-216-805-11	METAL CHIP	47	5%	1/10W						

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MAIN DIF MIC JACK

Ref. No.	Part No.	Description			Remark
R2391	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2392	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2393	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2394	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2395	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2396	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2397	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2398	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2399	1-216-809-11	METAL CHIP	100	5%	1/10W
R2400	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2401	1-216-809-11	METAL CHIP	100	5%	1/10W
R2402	1-216-809-11	METAL CHIP	100	5%	1/10W
R2403	1-216-809-11	METAL CHIP	100	5%	1/10W
R2404	1-216-809-11	METAL CHIP	100	5%	1/10W
R2405	1-216-809-11	METAL CHIP	100	5%	1/10W
R2406	1-216-809-11	METAL CHIP	100	5%	1/10W
R2410	1-216-809-11	METAL CHIP	100	5%	1/10W
R2411	1-216-817-11	METAL CHIP	470	5%	1/10W
R2412	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2413	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2414	1-208-550-41	RES-CHIP	470K	2%	1/10W
R2415	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2416	1-216-809-11	METAL CHIP	100	5%	1/10W
R2418	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2423	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2428	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3328	1-216-142-00	RES-CHIP	4.7	5%	1/8W
R3329	1-216-142-00	RES-CHIP	4.7	5%	1/8W
R3428	1-216-142-00	RES-CHIP	4.7	5%	1/8W
R3429	1-216-142-00	RES-CHIP	4.7	5%	1/8W
R5000	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5001	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5002	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5020	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5021	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5022	1-216-845-11	METAL CHIP	100K	5%	1/10W
△ R5079	1-249-393-11	CARBON	10	5%	1/4W F
△ R5099	1-249-393-11	CARBON	10	5%	1/4W F
R5201	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5250	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5256	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5257	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5258	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5259	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5271	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5282	1-259-317-81	CARBON	3.6K	1%	1/2W
R5283	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5284	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5285	1-216-262-00	RES-CHIP	470K	5%	1/8W
R5286	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5287	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5288	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5289	1-218-725-11	METAL CHIP	24K	0.5%	1/10W
R5291	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5300	1-259-341-81	CARBON	36K	1%	1/2W
R5301	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5302	1-216-821-11	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R5303	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5304	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5307	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5308	1-234-182-11	ENCAPSULATED COMPONENT			
△ R5310	1-212-934-00	FUSIBLE	1	5%	1/2W F
R5311	1-216-174-00	RES-CHIP	100	5%	1/8W
R5312	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5313	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5315	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R5316	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R5319	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5334	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5340	1-216-813-11	METAL CHIP	220	5%	1/10W
R5355	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R5359	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5360	1-249-818-11	CARBON	4.7K	1%	1/2W
R5361	1-216-158-00	RES-CHIP	22	5%	1/8W
R5365	1-216-158-00	RES-CHIP	22	5%	1/8W
R5366	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5367	1-216-817-11	METAL CHIP	470	5%	1/10W
R5368	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5371	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5375	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5377	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R5378	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5384	1-216-813-11	METAL CHIP	220	5%	1/10W
R5392	1-216-238-00	RES-CHIP	47K	2%	1/8W
R5408	1-216-839-11	METAL CHIP	33K	5%	1/10W
< RELAY >					
RY5079	1-755-500-11	RELAY			
RY5099	1-755-500-11	RELAY			
< TERMINAL >					
TM5003	1-780-425-11	TERMINAL BOARD (SPEAKER) (SPEAKERS)			
< VIBRATOR >					
X1401	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			
X1402	1-813-388-11	OSCILLATOR, CRYSTAL (49.152MHz)			
X2001	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
X2004	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			

MIC JACK BOARD					

< CAPACITOR >					
C1049	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1050	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1061	1-164-156-11	CERAMIC CHIP	0.1uF		25V
< CONNECTOR >					
CNP1002	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
< FERRITE BEAD >					
FB1003	1-414-813-11	FERRITE, EMI (SMD) (2012)			

MIC JACK

MUTING LED

MUTING SW

PROTECTOR

SP SW

VOLUME

Ref. No.	Part No.	Description	Remark
FB1004	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB1005	1-414-813-11	FERRITE, EMI (SMD) (2012)	
< JACK >			
J1002	1-820-056-11	SMALL TYPE JACK (AUTO CAL MIC)	

MUTING LED BOARD			

< CONNECTOR >			
CN1001	1-564-722-11	PIN, CONNECTOR (SMALL TYPE) 6P	
< LED >			
D1010	8-719-075-59	LED SELS5B23C-TP15 (MUTING)	
D1013	8-719-075-59	LED SELS5B23C-TP15 (DIRECT)	
< RESISTOR >			
R1021	1-216-041-00	RES-CHIP 470 5% 1/10W	
R1024	1-216-041-00	RES-CHIP 470 5% 1/10W	

MUTING SW BOARD			

< SWITCH >			
S1017	1-771-349-21	SWITCH, KEYBOARD (DIRECT)	
S1018	1-771-349-21	SWITCH, KEYBOARD (MUTING)	

PROTECTOR BOARD			

< CAPACITOR >			
C5304	1-100-153-11	CERAMIC CHIP 220PF 5% 100V	
< TRANSISTOR >			
Q5282	8-729-271-31	TRANSISTOR 2SC2713-G	
Q5321	8-729-216-31	TRANSISTOR 2SA1163-G	
< RESISTOR >			
R5309	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R5317	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R5318	1-216-081-00	RES-CHIP 22K 5% 1/10W	

SP SW BOARD			

< CONNECTOR >			
CN1002	1-784-921-11	PIN, CONNECTOR 4P	
< DIODE >			
D1025	8-719-988-61	DIODE 1SS355TE-17	
D1026	8-719-988-61	DIODE 1SS355TE-17	
< RESISTOR >			
R1043	1-216-025-11	RES-CHIP 100 5% 1/10W	

Ref. No.	Part No.	Description	Remark
R1044	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1045	1-216-089-11	RES-CHIP 47K 5% 1/10W	
R1046	1-216-089-11	RES-CHIP 47K 5% 1/10W	
< SWITCH >			
SW1001	1-762-684-11	SWITCH, ROTARY (SPEAKERS)	

VOLUME BOARD			

< CONNECTOR >			
CN1004	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
< ROTARY ENCODER >			
RV1007	1-418-725-41	ENCODER, ROTARY (12 TYPE) (VOLUME)	

MISCELLANEOUS			

57	1-543-793-11	FILTER, CLAMP (FERRITE CORE)	
△ CN1	1-819-867-11	INLET, AC 2P (~AC IN)	
△ F1	1-532-504-33	FUSE (T4AL/250V)	
△ F2	1-532-464-33	FUSE (T2.5AL/250V) (AEP)	
△ F40	1-532-503-33	FUSE (T1.6AL/250V)	
△ F42	1-532-503-33	FUSE (T1.6AL/250V)	
△ F50	1-532-503-33	FUSE (T1.6AL/250V)	
△ F51	1-532-503-33	FUSE (T1.6AL/250V)	
△ F60	1-532-464-33	FUSE (T2.5AL/250V)	
△ F841	1-532-503-33	FUSE (T1.6AL/250V)	
△ F842	1-532-503-33	FUSE (T1.6AL/250V)	
△ F5001	1-532-506-33	FUSE (T6.3AL/250V)	
△ T01	1-445-064-11	TRANSFORMER, POWER	
THP4401	1-817-728-11	SENSOR, THERMISTOR	
Q5313	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q5331	8-729-051-93	TRANSISTOR 2SB1647	
Q5332	8-729-051-93	TRANSISTOR 2SB1647	

ACCESSORIES			

	1-479-887-11	COMMANDER, STANDARD (RM-AAU010)	
	1-542-644-11	MEASUREMENT MIC (STEREO)	
		(Optimizer microphone: ECM-AC1)	
△	1-820-797-11	ADAPTOR CONVERSION (EURO ECU 6 TYPE)	(UK)
△	1-831-474-11	CORD, POWER (Mains lead)	
	2-688-078-11	MANUAL, INSTRUCTION (ENGLISH, SPANISH, SWEDISH, POLISH)	
	2-688-078-21	MANUAL, INSTRUCTION (FRENCH, GERMAN, DUTCH, ITALIAN) (AEP)	
	2-688-078-31	MANUAL, INSTRUCTION (FINNISH, DANISH)	(AEP)
	2-688-078-41	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)	
	2-688-078-61	MANUAL, INSTRUCTION (GREEK) (AEP)	
	2-688-078-71	MANUAL, INSTRUCTION (HUNGARIAN, CZECH)	(AEP)
	2-688-078-81	MANUAL, INSTRUCTION (TURKISH) (AEP)	
	2-688-078-91	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP)	

MEMO

TA-FA1200ES

SONY®

*AEP Model
UK Model*

SERVICE MANUAL

Ver. 1.1 2006.12

SUPPLEMENT-1

File this supplement with the service manual.

**Subject: Change of MAIN DIF board and DISPLAY board
(Suffix-12/-13)**

In this set, MAIN DIF board and DISPLAY board have been changed in the midway of production.

Information on changed board is described in this service manual supplement-1.

Refer to original service manual for information on board before it changes.

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1. MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION

There are some types of MAIN DIF board and DISPLAY board installed by this set.
Repair after confirming which type repaired set is referring to the following.

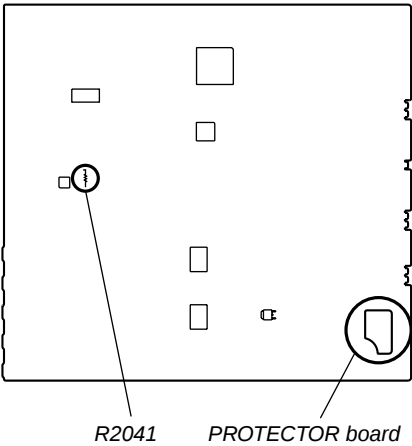
• MAIN DIF board

There are three types of MAIN DIF board.

	R2041	PROTECTOR board
TYPE-11	Component side: ○	○
TYPE-12	Component side: ×	○
TYPE-13	Component side: ×	×

TYPE-11: Refer to original service manual.
TYPE-12: Refer to service manual supplement-1.
TYPE-13: Refer to service manual supplement-1.

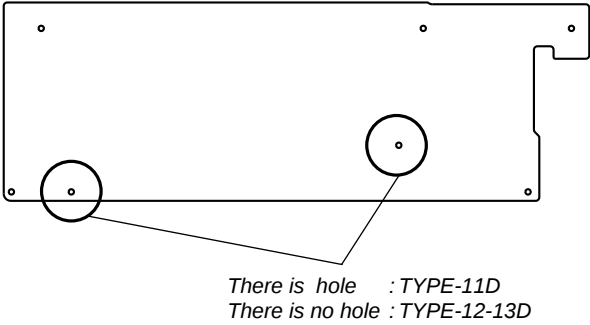
– MAIN DIF Board (Component Side) –



• DISPLAY board

There are two types of DISPLAY board.
TYPE-11D :Refer to original service manual.
TYPE-12-13D :Refer to service manual supplement-1.

– DISPLAY Board (Component Side) –



2. DIAGRAMS

• Note for Printed Wiring Boards and Schematic Diagrams

Note on Printed Wiring Board:

- — : parts extracted from the component side.
- : parts extracted from the conductor side.
- △ : internal component.
- : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:

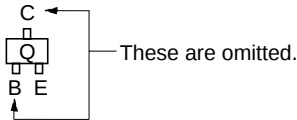
Pattern face side:
(Conductor Side)

Parts on the pattern face side seen from the pattern face are indicated.

Parts face side:
(Component Side)

Parts on the parts face side seen from the parts face are indicated.

- Indication of transistor



Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- △ : internal component.
- : fusible resistor.
- : nonflammable resistor.
- : panel designation.

Note:

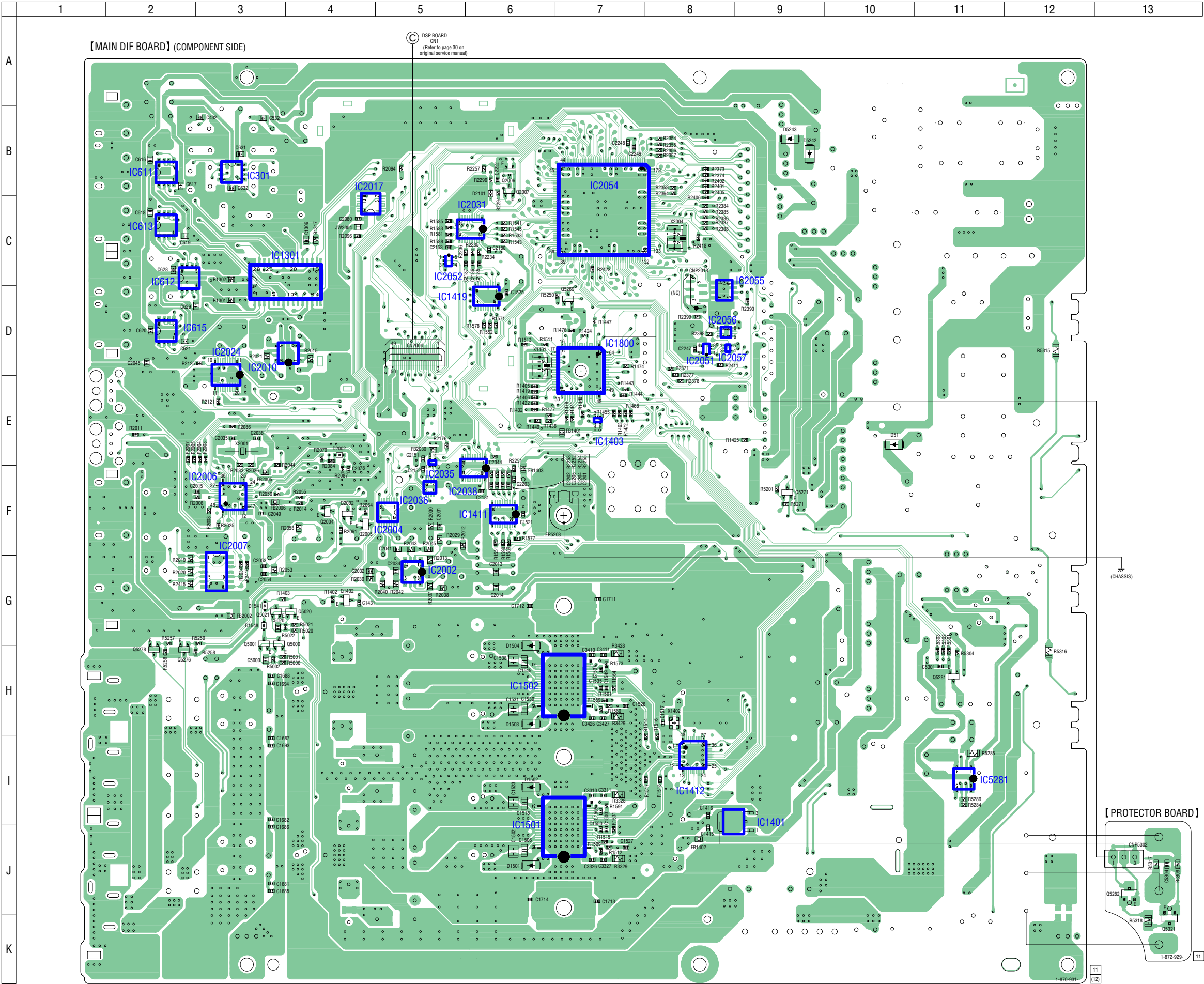
The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

- : B+ Line.
- : B- Line.
- Voltages are dc with respect to ground under no-signal conditions.
(When measuring circuit that used "V-GND" of the MAIN DIF board, ground it from CNP5202 pin ③ on the MAIN DIF board.)
no mark : TUNER
* : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Signal path.
 : AUDIO (ANALOG)
 : AUDIO (DIGITAL)

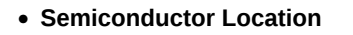
2-1. PRINTED WIRING BOARDS – MAIN DIF Board (Component Side)/PROTECTOR Board (TYPE-12) –

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D51	E-10	IC2017	C-4
D1501	J-6	IC2024	D-3
D1502	I-6	IC2031	C-6
D1503	H-6	IC2035	E-5
D1504	H-6	IC2036	F-5
D1541	G-3	IC2038	F-6
D1548	G-3	IC2051	D-8
D2001	G-3	IC2052	C-5
D2002	E-4	IC2054	C-7
D2101	B-6	IC2055	D-8
D5242	B-9	IC2056	D-8
D5243	B-9	IC2057	D-8
		IC5281	I-11
IC301	B-3	Q1402	G-4
IC611	B-2	Q2002	F-4
IC612	C-2	Q2004	F-4
IC613	C-2	Q2005	F-4
IC615	D-2	Q2006	B-6
IC1301	C-3	Q2007	B-6
IC1401	I-8	Q5000	G-3
IC1403	E-7	Q5001	G-3
IC1411	F-6	Q5020	G-4
IC1412	I-8	Q5021	G-3
IC1419	D-6	Q5269	D-7
IC1501	J-7	Q5271	F-9
IC1800	D-7	Q5276	H-2
IC2002	G-5	Q5278	H-2
IC2004	F-5	Q5281	H-11
IC2006	F-3	Q5282	J-13
IC2007	G-3	Q5321	J-13
IC2010	D-4		



Note: Refer to "MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION" about each type.



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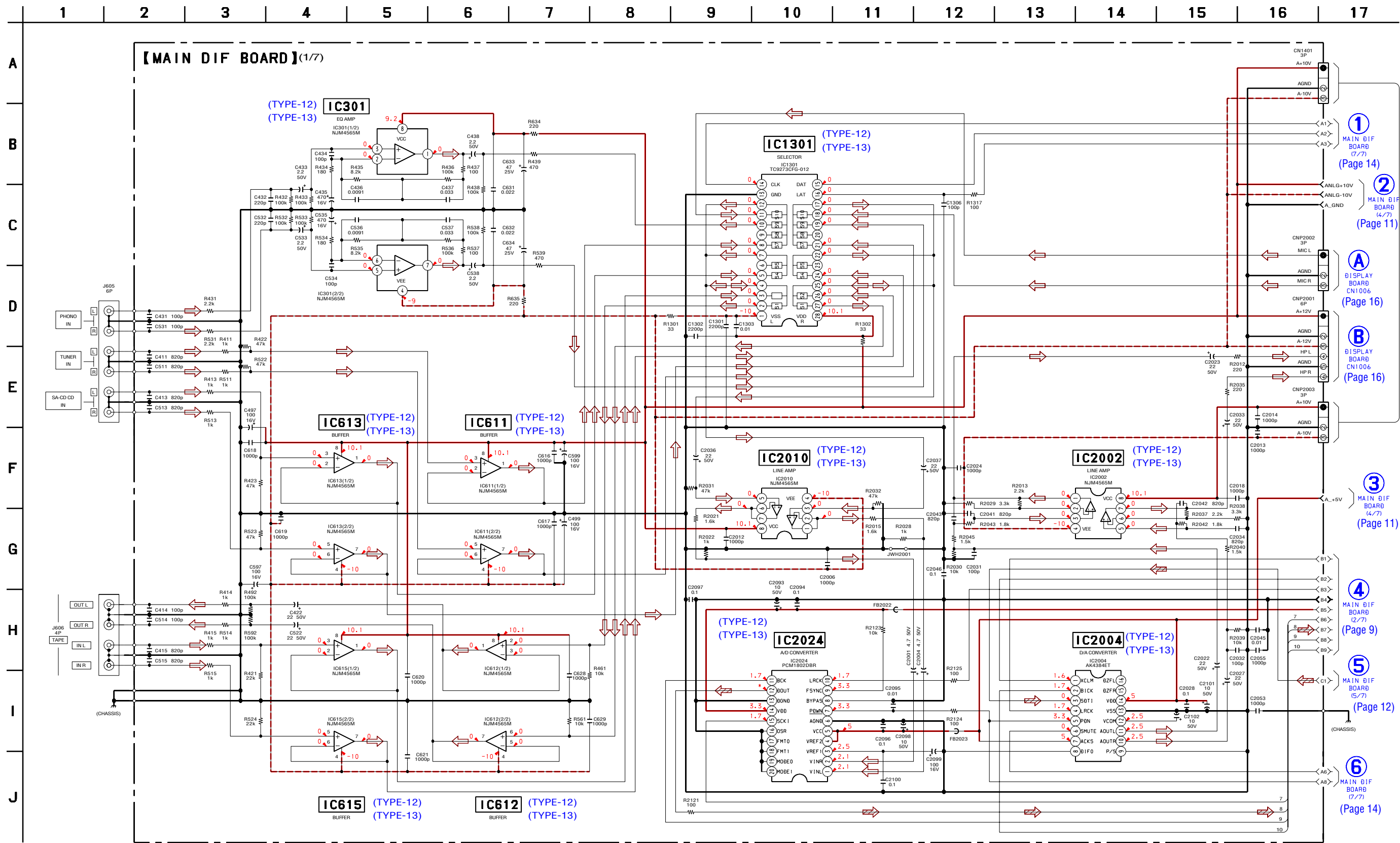
6 6

[illegible]



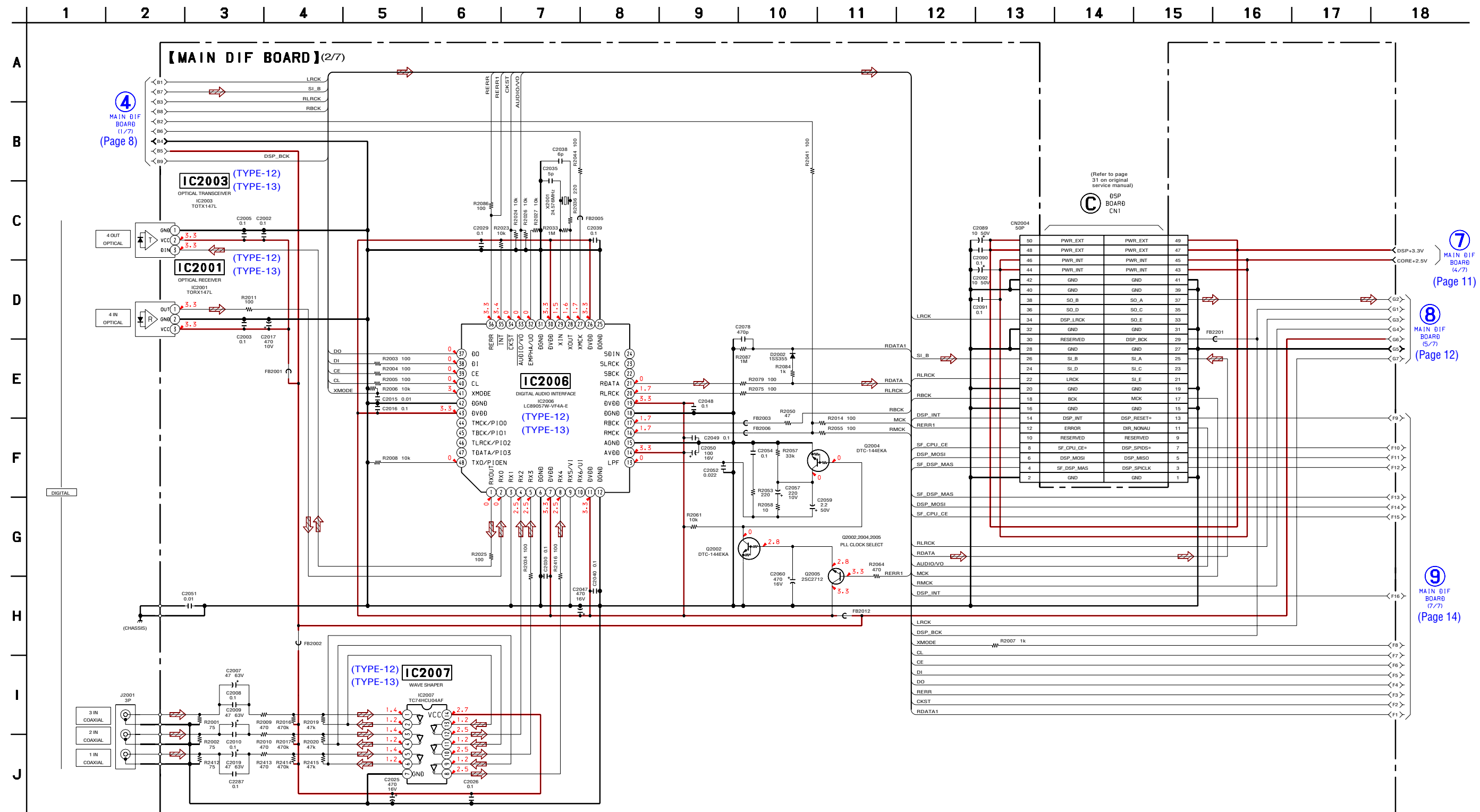
Note: Refer to “MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION” about each type.

2-5. SCHEMATIC DIAGRAM – MAIN DIF Board (1/7) (TYPE-12, TYPE-13) –



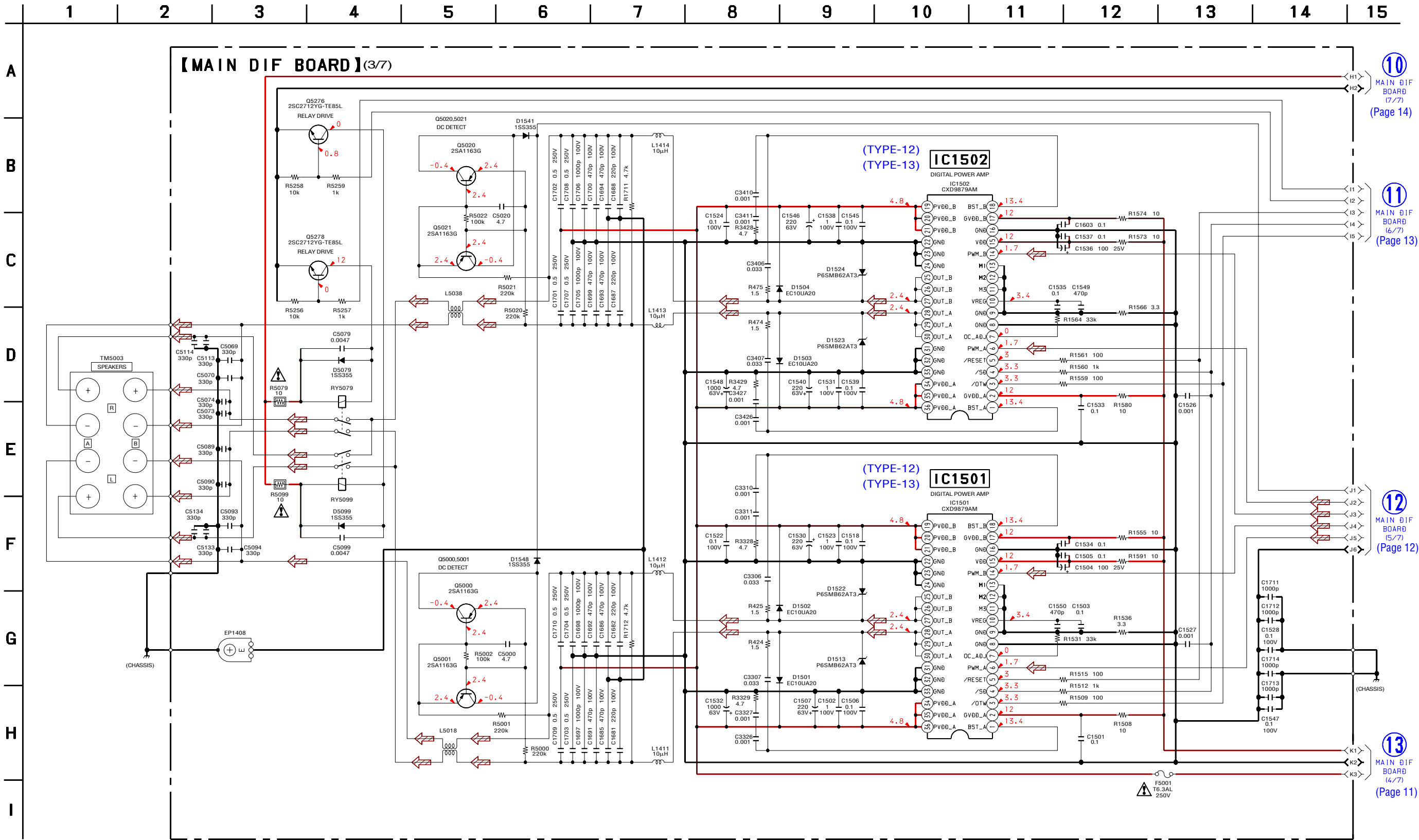
Note: Refer to "MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION" about each type.

2-6. SCHEMATIC DIAGRAM – MAIN DIF Board (2/7) (TYPE-12, TYPE-13) –



Note: Refer to "MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION" about each type.

2-7. SCHEMATIC DIAGRAM – MAIN DIF Board (3/7) (TYPE-12, TYPE-13) –



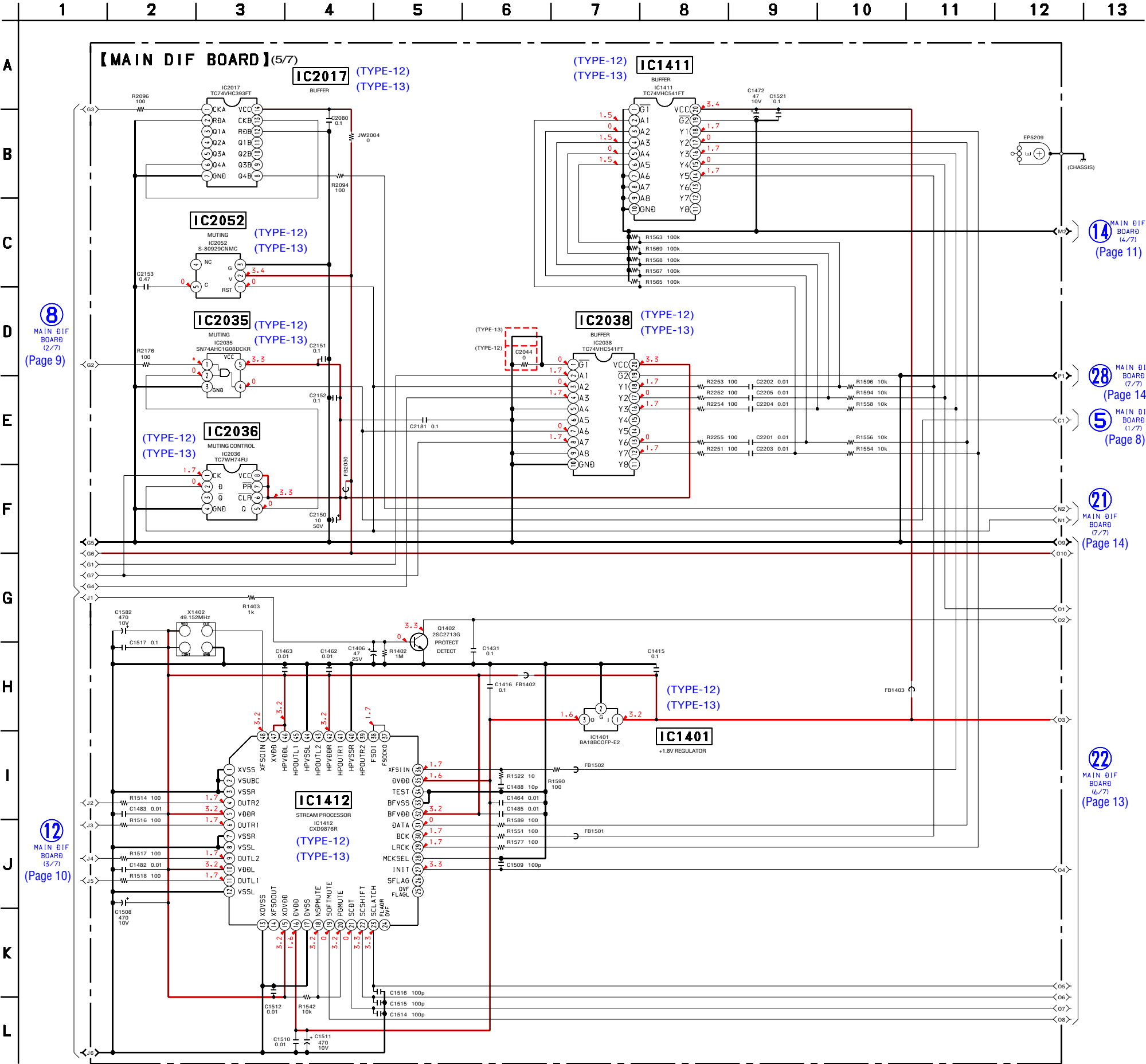
Note: Refer to "MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION" about each type.

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Note: Refer to “MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION” about each type.

2-9. SCHEMATIC DIAGRAM – MAIN DIF Board (5/7) (TYPE-12,TYPE-13) –



13

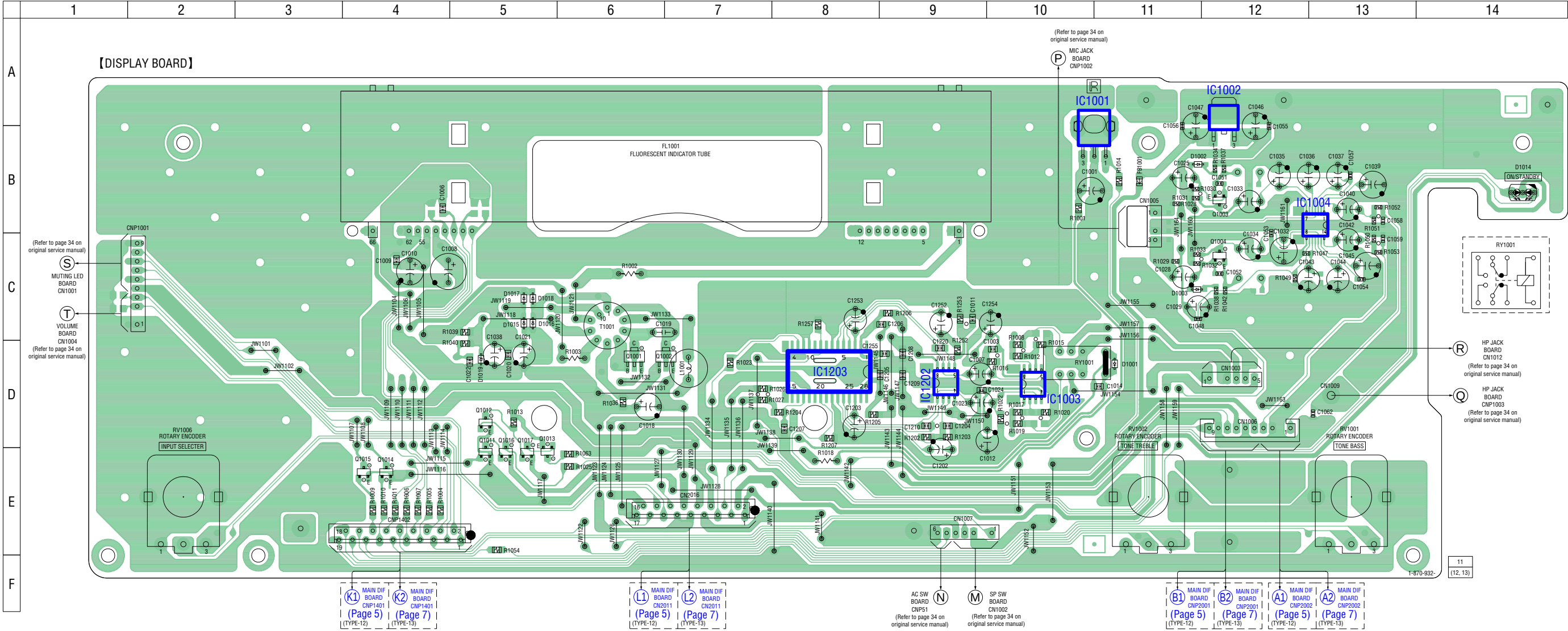


Note: Refer to "MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION" about each type.

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2-12. PRINTED WIRING BOARD – DISPLAY Board (TYPE-12-13D) –

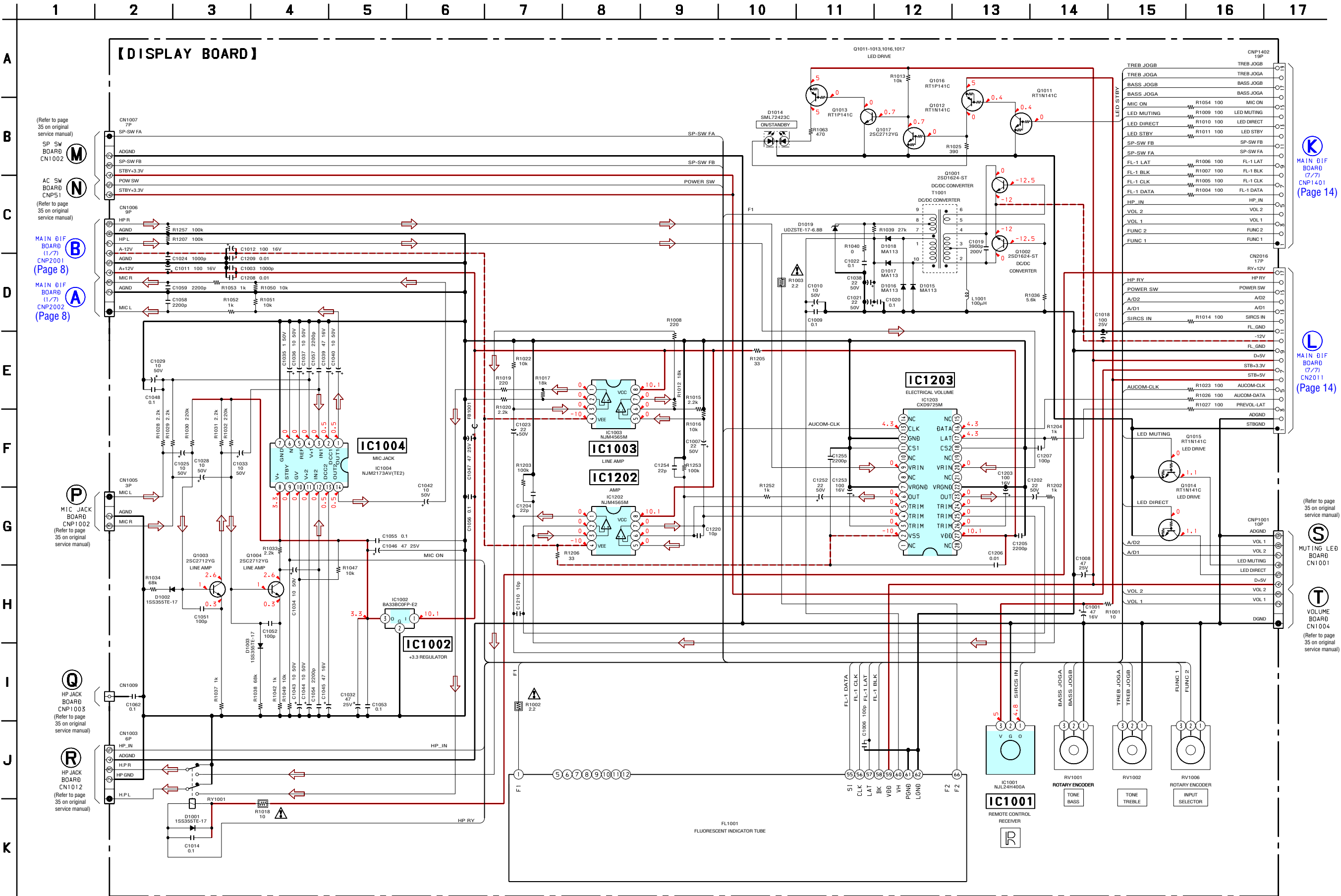


• Semiconductor Location

Ref. No.	Location
D1001	D-11
D1002	B-11
D1003	C-11
D1014	B-14
D1015	C-5
D1016	C-5
D1017	C-5
D1018	C-5
D1019	D-5
IC1001	B-11
IC1002	A-12
IC1003	D-10
IC1004	B-13
IC1202	D-9
IC1203	D-8
Q1001	D-6
Q1002	D-7
Q1003	B-12
Q1004	C-12
Q1011	E-5
Q1012	D-5
Q1013	E-5
Q1014	E-4
Q1015	E-4
Q1016	E-5
Q1017	E-5

Note: Refer to “MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION” about each type.

2-13. SCHEMATIC DIAGRAM – DISPLAY Board (TYPE-12-13D) –



Note: Refer to "MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION" about each type.

TA-FA1200ES

DISPLAY

MAIN DIF

Ref. No.	Part No.	Description	Remark
< FLUORESCENT INDICATOR >			
FL1001	1-519-863-11	INDICATOR TUBE, FLUORESCENT	
< IC >			
IC1001	6-600-349-31	IC NJL24H400A	
IC1002	6-705-468-01	IC BA33BC0FP-E2	
IC1003	8-759-710-97	IC NJM4565M-D	
IC1004	8-759-825-56	IC NJM2173AV (TE2)	
IC1202	8-759-710-97	IC NJM4565M-D	
IC1203	6-709-814-01	IC CXD9725M-HFL	
< COIL >			
L1001	1-421-967-11	INDUCTOR 100uH	
< TRANSISTOR >			
Q1001	8-729-808-42	TRANSISTOR 2SD1624-T	
Q1002	8-729-808-42	TRANSISTOR 2SD1624-T	
Q1003	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1004	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1011	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q1012	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q1013	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q1014	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q1015	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q1016	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q1017	8-729-230-49	TRANSISTOR 2SC2712-YG	
< RESISTOR >			
R1001	1-216-001-00	RES-CHIP 10 5% 1/10W	
△ R1002	1-249-385-11	CARBON 2.2 5% 1/4W F	
△ R1003	1-249-385-11	CARBON 2.2 5% 1/4W F	
R1004	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1005	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1006	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1007	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1008	1-216-033-00	RES-CHIP 220 5% 1/10W	
R1009	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1010	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1011	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1012	1-216-079-00	RES-CHIP 18K 5% 1/10W	
R1013	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1014	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1015	1-216-057-00	RES-CHIP 2.2K 5% 1/10W	
R1016	1-216-073-00	RES-CHIP 10K 5% 1/10W	
R1017	1-216-079-00	RES-CHIP 18K 5% 1/10W	
R1018	1-249-393-11	CARBON 10 5% 1/4W	
R1019	1-216-033-00	RES-CHIP 220 5% 1/10W	
R1020	1-216-057-00	RES-CHIP 2.2K 5% 1/10W	
R1022	1-216-073-00	RES-CHIP 10K 5% 1/10W	
R1023	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1025	1-216-039-00	RES-CHIP 390 5% 1/10W	
R1026	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1027	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1028	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R1029	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R1030	1-216-849-11	METAL CHIP 220K 5% 1/10W	

Ref. No.	Part No.	Description			Remark
R1031	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1032	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1033	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1034	1-216-843-11	METAL CHIP	68K	5%	1/10W
R1036	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R1037	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1038	1-216-843-11	METAL CHIP	68K	5%	1/10W
R1039	1-216-083-00	RES-CHIP	27K	5%	1/10W
R1040	1-216-295-00	SHORT CHIP	0		
R1042	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1047	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1049	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1050	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1051	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1052	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1053	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1054	1-216-025-11	RES-CHIP	100	5%	1/10W
R1063	1-216-041-00	RES-CHIP	470	5%	1/10W
R1202	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1203	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1204	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1205	1-216-013-00	RES-CHIP	33	5%	1/10W
R1206	1-216-013-00	RES-CHIP	33	5%	1/10W
R1207	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1252	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1253	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1257	1-216-097-11	RES-CHIP	100K	5%	1/10W
< ROTARY ENCODER >					
RV1001	1-418-400-11	ENCODER, ROTARY (TONE BASS)			
RV1002	1-418-400-11	ENCODER, ROTARY (TONE TREBLE)			
RV1006	1-418-400-11	ENCODER, ROTARY (INPUT SELECTOR)			
< RELAY >					
RY1001	1-755-486-11	RELAY			
< TRANSFORMER >					
T1001	1-445-015-11	TRANSFORMER, DC-DC CONVERTER			

A-1202-303-A		MAIN DIF BOARD, COMPLETE			

1-533-217-41		HOLDER, FUSE			
3-087-053-01		+BVTP2.6 (3CR)			
4-974-510-01		SCREW (+BV 3X8 CU)			
< CAPACITOR/JUMPER RESISTOR >					
C50	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C51	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C53	1-112-096-11	ELECT	1uF	20%	50V
C54	1-112-138-11	ELECT	3300uF	20%	35V
C55	1-112-431-11	ELECT	1000uF	20%	35V
C60	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C61	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C62	1-112-175-11	ELECT	6800uF	20%	25V
C411	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C413	1-163-139-00	CERAMIC CHIP	820PF	5%	50V

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
C414	1-163-251-11	CERAMIC CHIP	100PF	5%	50V		C1462	1-162-974-11	CERAMIC CHIP	0.01uF			50V
C415	1-163-139-00	CERAMIC CHIP	820PF	5%	50V		C1463	1-162-974-11	CERAMIC CHIP	0.01uF			50V
C422	1-112-114-11	ELECT	22uF	20%	50V								
C431	1-163-251-11	CERAMIC CHIP	100PF	5%	50V		C1464	1-162-974-11	CERAMIC CHIP	0.01uF			50V
C432	1-163-125-00	CERAMIC CHIP	220PF	5%	50V		C1471	1-164-004-11	CERAMIC CHIP	0.1uF	10%		25V
							C1472	1-126-947-11	ELECT	47uF	20%		35V
C433	1-112-097-11	ELECT	2.2uF	20%	50V		C1474	1-126-947-11	ELECT	47uF	20%		35V
C434	1-163-251-11	CERAMIC CHIP	100PF	5%	50V		C1482	1-162-974-11	CERAMIC CHIP	0.01uF			50V
C435	1-112-084-11	ELECT	470uF	20%	16V								
C436	1-125-896-11	MYLAR	0.0091uF	5%	50V		C1483	1-162-974-11	CERAMIC CHIP	0.01uF			50V
C437	1-136-159-00	MYLAR	0.033uF	5%	50V		C1485	1-162-974-11	CERAMIC CHIP	0.01uF			50V
							C1488	1-162-915-11	CERAMIC CHIP	10PF	0.5PF		50V
C438	1-112-097-11	ELECT	2.2uF	20%	50V		C1501	1-107-725-11	CERAMIC CHIP	0.1uF	10%		16V
C497	1-112-083-11	ELECT	100uF	20%	16V		C1502	1-114-160-91	CERAMIC CHIP	1uF	10%		100V
C499	1-112-083-11	ELECT	100uF	20%	16V								
C511	1-163-139-00	CERAMIC CHIP	820PF	5%	50V		C1503	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C513	1-163-139-00	CERAMIC CHIP	820PF	5%	50V		C1504	1-112-090-11	ELECT	100uF	20%		25V
							C1505	1-107-826-11	CERAMIC CHIP	0.1uF	10%		16V
C514	1-163-251-11	CERAMIC CHIP	100PF	5%	50V		C1506	1-100-623-91	CERAMIC CHIP	0.1uF	10%		100V
C515	1-163-139-00	CERAMIC CHIP	820PF	5%	50V		C1507	1-165-755-11	ELECT	220uF	20%		63V
C522	1-112-114-11	ELECT	22uF	20%	50V								
C531	1-163-251-11	CERAMIC CHIP	100PF	5%	50V		C1508	1-100-621-11	ELECT	470uF	20%		10V
C532	1-163-125-00	CERAMIC CHIP	220PF	5%	50V		C1509	1-162-927-11	CERAMIC CHIP	100PF	5%		50V
							C1510	1-162-974-11	CERAMIC CHIP	0.01uF			50V
C533	1-112-097-11	ELECT	2.2uF	20%	50V		C1511	1-100-621-11	ELECT	470uF	20%		10V
C534	1-163-251-11	CERAMIC CHIP	100PF	5%	50V		C1512	1-162-974-11	CERAMIC CHIP	0.01uF			50V
C535	1-112-084-11	ELECT	470uF	20%	16V								
C536	1-125-896-11	MYLAR	0.0091uF	5%	50V		C1514	1-162-927-11	CERAMIC CHIP	100PF	5%		50V
C537	1-136-159-00	MYLAR	0.033uF	5%	50V		C1515	1-162-927-11	CERAMIC CHIP	100PF	5%		50V
							C1516	1-162-927-11	CERAMIC CHIP	100PF	5%		50V
C538	1-112-097-11	ELECT	2.2uF	20%	50V		C1517	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C597	1-112-083-11	ELECT	100uF	20%	16V		C1518	1-100-623-91	CERAMIC CHIP	0.1uF	10%		100V
C599	1-112-083-11	ELECT	100uF	20%	16V								
C616	1-163-025-11	CERAMIC CHIP	0.001uF		50V		C1521	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C617	1-163-025-11	CERAMIC CHIP	0.001uF		50V		C1522	1-100-623-91	CERAMIC CHIP	0.1uF	10%		100V
							C1523	1-114-160-91	CERAMIC CHIP	1uF	10%		100V
C618	1-163-025-11	CERAMIC CHIP	0.001uF		50V		C1524	1-100-623-91	CERAMIC CHIP	0.1uF	10%		100V
C619	1-163-025-11	CERAMIC CHIP	0.001uF		50V		C1525	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C620	1-163-025-11	CERAMIC CHIP	0.001uF		50V								
C621	1-163-025-11	CERAMIC CHIP	0.001uF		50V		C1526	1-162-964-11	CERAMIC CHIP	0.001uF	10%		50V
C628	1-163-025-11	CERAMIC CHIP	0.001uF		50V		C1527	1-162-964-11	CERAMIC CHIP	0.001uF	10%		50V
							C1528	1-100-623-91	CERAMIC CHIP	0.1uF	10%		100V
C629	1-163-025-11	CERAMIC CHIP	0.001uF		50V		C1530	1-165-755-11	ELECT	220uF	20%		63V
C631	1-163-033-00	CERAMIC CHIP	0.022uF		50V		C1531	1-114-160-91	CERAMIC CHIP	1uF	10%		100V
C632	1-163-033-00	CERAMIC CHIP	0.022uF		50V								
C633	1-112-089-11	ELECT	47uF	20%	25V		C1532	1-110-397-11	ELECT	1000uF	20%		63V
C634	1-112-089-11	ELECT	47uF	20%	25V		C1533	1-107-725-11	CERAMIC CHIP	0.1uF	10%		16V
							C1534	1-107-725-11	CERAMIC CHIP	0.1uF	10%		16V
C1271	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		C1535	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C1301	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V		C1536	1-112-090-11	ELECT	100uF	20%		25V
C1302	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V								
C1303	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V		C1537	1-107-826-11	CERAMIC CHIP	0.1uF	10%		16V
C1306	1-163-251-11	CERAMIC CHIP	100PF	5%	50V		C1538	1-114-160-91	CERAMIC CHIP	1uF	10%		100V
							C1539	1-100-623-91	CERAMIC CHIP	0.1uF	10%		100V
C1406	1-126-947-11	ELECT	47uF	20%	35V		C1540	1-165-755-11	ELECT	220uF	20%		63V
C1410	1-100-621-11	ELECT	470uF	20%	10V		C1545	1-100-623-91	CERAMIC CHIP	0.1uF	10%		100V
C1411	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V								
C1415	1-164-156-11	CERAMIC CHIP	0.1uF		25V		C1546	1-165-755-11	ELECT	220uF	20%		63V
C1416	1-164-156-11	CERAMIC CHIP	0.1uF		25V		C1547	1-100-623-91	CERAMIC CHIP	0.1uF	10%		100V
							C1548	1-110-397-11	ELECT	1000uF	20%		63V
C1419	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C1549	1-164-315-11	CERAMIC CHIP	470PF	5%		50V
C1420	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C1550	1-164-315-11	CERAMIC CHIP	470PF	5%		50V
C1421	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V								
C1422	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C1582	1-100-621-11	ELECT	470uF	20%		10V
C1428	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V		C1603	1-107-725-11	CERAMIC CHIP	0.1uF	10%		16V
							C1681	1-100-153-11	CERAMIC CHIP	220PF	5%		100V
C1430	1-100-621-11	ELECT	470uF	20%	10V		C1682	1-100-153-11	CERAMIC CHIP	220PF	5%		100V
C1431	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1685	1-100-155-11	CERAMIC CHIP	470PF	5%		100V
C1443	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V								

TA-FA1200ES

MAIN DIF

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C1686	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	C2037	1-112-114-11	ELECT	22uF	20%	50V
C1687	1-100-153-11	CERAMIC CHIP	220PF	5%	100V	C2038	1-162-911-11	CERAMIC CHIP	6PF	0.5PF	50V
C1688	1-100-153-11	CERAMIC CHIP	220PF	5%	100V						
C1691	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	C2039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1692	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	C2040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
						C2041	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C1693	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	C2042	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C1694	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	C2043	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C1697	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V						
C1698	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	C2044	1-216-864-11	SHORT CHIP	0 (TYPE-12)		
C1699	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	C2045	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
						C2046	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1700	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	C2047	1-112-084-11	ELECT	470uF	20%	16V
C1701	1-112-830-11	MYLAR	0.5uF	5%	250V	C2048	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1702	1-112-830-11	MYLAR	0.5uF	5%	250V						
C1703	1-112-830-11	MYLAR	0.5uF	5%	250V	C2049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1704	1-112-830-11	MYLAR	0.5uF	5%	250V	C2050	1-112-083-11	ELECT	100uF	20%	16V
						C2051	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1705	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	C2052	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C1706	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	C2053	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C1707	1-112-830-11	MYLAR	0.5uF	5%	250V						
C1708	1-112-830-11	MYLAR	0.5uF	5%	250V	C2054	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1709	1-112-830-11	MYLAR	0.5uF	5%	250V	C2055	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
						C2057	1-112-079-11	ELECT	220uF	20%	10V
C1710	1-112-830-11	MYLAR	0.5uF	5%	250V	C2059	1-112-097-11	ELECT	2.2uF	20%	50V
C1711	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	C2060	1-112-084-11	ELECT	470uF	20%	16V
C1712	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V						
C1713	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	C2078	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1714	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	C2080	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
						C2089	1-112-100-11	ELECT	10uF	20%	50V
C2001	1-112-099-11	ELECT	4.7uF	20%	50V	C2090	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2002	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2091	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2003	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2004	1-112-099-11	ELECT	4.7uF	20%	50V	C2092	1-112-100-11	ELECT	10uF	20%	50V
C2005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2093	1-112-100-11	ELECT	10uF	20%	50V
						C2094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2006	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C2095	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2007	1-112-103-11	ELECT	47uF	20%	63V	C2096	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2008	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2009	1-112-103-11	ELECT	47uF	20%	63V	C2097	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2098	1-112-100-11	ELECT	10uF	20%	50V
						C2099	1-112-083-11	ELECT	100uF	20%	16V
C2012	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C2100	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2013	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C2101	1-112-100-11	ELECT	10uF	20%	50V
C2014	1-163-025-11	CERAMIC CHIP	0.001uF		50V						
C2015	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C2102	1-112-100-11	ELECT	10uF	20%	50V
C2016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2150	1-126-964-11	ELECT	10uF	20%	50V
						C2151	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2017	1-126-935-11	ELECT	470uF	20%	16V	C2152	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2018	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C2153	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C2019	1-112-103-11	ELECT	47uF	20%	63V						
C2022	1-112-114-11	ELECT	22uF	20%	50V	C2177	1-126-933-11	ELECT	100uF	20%	16V
C2023	1-112-114-11	ELECT	22uF	20%	50V	C2180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
						C2181	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2024	1-163-025-11	CERAMIC CHIP	0.001uF		50V	C2182	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2025	1-112-084-11	ELECT	470uF	20%	16V	C2183	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2027	1-112-114-11	ELECT	22uF	20%	50V	C2184	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2185	1-162-974-11	CERAMIC CHIP	0.01uF		50V
						C2186	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2187	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2189	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2031	1-163-251-11	CERAMIC CHIP	100PF	5%	50V						
C2032	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C2201	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2033	1-112-114-11	ELECT	22uF	20%	50V	C2202	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
						C2203	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2034	1-163-139-00	CERAMIC CHIP	820PF	5%	50V	C2204	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2035	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V	C2205	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2036	1-112-114-11	ELECT	22uF	20%	50V						

Note: Refer to "MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION" about each type.

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C2222	1-100-153-11	CERAMIC CHIP	220PF	5%	100V	C5070	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2225	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5073	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2226	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2227	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5074	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5079	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
						C5089	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2229	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5090	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2230	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5093	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2231	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2233	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5094	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2234	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5099	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
						C5113	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5114	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2242	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5133	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C2243	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2247	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2248	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5134	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
						C5197	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C2249	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5198	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C2250	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5199	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C2251	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5200	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2252	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V						
C2255	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5201	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
						C5202	1-112-084-11	ELECT	470uF	20%	16V
C2257	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5205	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C2264	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5208	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2266	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5209	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2267	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V						
C2268	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5210	1-104-666-11	ELECT	220uF	20%	25V
						C5211	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2269	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C5212	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2270	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5213	1-112-085-11	ELECT	1000uF	20%	16V
C2271	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5214	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2272	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2273	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5215	1-112-084-11	ELECT	470uF	20%	16V
						C5216	1-112-085-11	ELECT	1000uF	20%	16V
C2274	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5217	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2275	1-126-933-11	ELECT	100uF	20%	16V	C5218	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2276	1-126-964-11	ELECT	10uF	20%	50V	C5219	1-112-084-11	ELECT	470uF	20%	16V
C2277	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C2278	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5220	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
						C5241	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2279	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5242	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2280	1-126-960-11	ELECT	1uF	20%	50V	C5243	1-112-084-11	ELECT	470uF	20%	16V
C2283	1-117-720-11	CERAMIC CHIP	4.7uF		10V	C5244	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2284	1-117-720-11	CERAMIC CHIP	4.7uF		10V						
C2285	1-117-720-11	CERAMIC CHIP	4.7uF		10V	C5245	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
						C5246	1-112-095-11	ELECT	3300uF	20%	35V
C2286	1-117-720-11	CERAMIC CHIP	4.7uF		10V	C5247	1-112-095-11	ELECT	3300uF	20%	35V
C2287	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5248	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2290	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C5249	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C3306	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V						
C3307	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	C5250	1-112-085-11	ELECT	1000uF	20%	16V
						C5251	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C3310	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C5252	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C3311	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C5253	1-112-085-11	ELECT	1000uF	20%	16V
C3326	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C5257	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C3327	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						
C3406	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	C5258	1-165-815-91	CERAMIC CHIP	2.2uF		25V
						C5281	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C3407	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	C5282	1-112-177-11	ELECT	330uF	20%	16V
C3410	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C5283	1-104-662-91	ELECT	22uF	20%	25V
C3411	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C5284	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C3426	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						
C3427	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C5301	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
						C5302	1-100-621-11	ELECT	470uF	20%	10V
C5000	1-117-720-11	CERAMIC CHIP	4.7uF		10V	C5303	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5020	1-117-720-11	CERAMIC CHIP	4.7uF		10V	C5304	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C5069	1-100-154-11	CERAMIC CHIP	330PF	5%	100V						(TYPE-13)
						C5307	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V

Note: Refer to "MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION" about each type.

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MAIN DIF

Ref. No.	Part No.	Description	Remark			
C5311	1-128-552-51	ELECT	47uF	20%	63V	
C5331	1-114-277-11	ELECT (BLOCK)	10000uF	20%	71V	
C5342	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	
C5343	1-112-441-11	ELECT	1000uF	20%	50V	
C5357	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	
C5358	1-137-150-11	FILM	0.01uF	5%	100V	
C5359	1-112-043-11	MYLAR	1uF	10%	250V	
C5361	1-128-566-11	ELECT	470uF	20%	100V	
C5362	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	
C5363	1-112-084-11	ELECT	470uF	20%	16V	
C5364	1-112-090-11	ELECT	100uF	20%	25V	
C5365	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	
C5366	1-112-084-11	ELECT	470uF	20%	16V	
C5367	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C5368	1-165-815-91	CERAMIC CHIP	2.2uF		25V	
C5369	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	
C5370	1-112-177-11	ELECT	330uF	20%	16V	
C5375	1-112-177-11	ELECT	330uF	20%	16V	
C5397	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C5427	1-112-089-11	ELECT	47uF	20%	25V	
C5434	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	
C5435	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	
< CONNECTOR >						
CN1404	1-691-769-11	PLUG (MICRO CONNECTOR) 7P				
CN2004	1-785-910-21	CONNECTOR, BOARD TO BOARD 50P				
CN2011	1-794-004-11	CONNECTOR 17P				
CNP1401	1-794-005-11	CONNECTOR 19P				
CNP1404	1-784-923-11	PIN, CONNECTOR 7P				
CNP2001	1-779-977-11	PIN, CONNECTOR 6P				
CNP2002	1-779-978-11	PIN, CONNECTOR 3P				
* CNP2013	1-778-867-51	CONNECTOR, FFC/FPC 6P				
CNP5201	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P				
CNP5202	1-691-765-11	PLUG (MICRO CONNECTOR) 3P				
CNP5205	1-691-770-11	PLUG (MICRO CONNECTOR) 8P				
CNP5206	1-691-765-11	PLUG (MICRO CONNECTOR) 3P				
CNP5301	1-785-104-11	PIN, CONNECTOR (3.96mm PITCH) 6P				
< DIODE/JUMPER RESISTOR >						
D50	8-719-043-53	DIODE D2SBA20F03				
D51	8-719-210-39	DIODE EC10QS-04				
D60	8-719-028-23	DIODE D3SBA20-4101				
D1415	8-719-988-61	DIODE 1SS355TE-17				
D1501	6-501-485-01	DIODE EC10UA20				
D1502	6-501-485-01	DIODE EC10UA20				
D1503	6-501-485-01	DIODE EC10UA20				
D1504	6-501-485-01	DIODE EC10UA20				
D1513	6-501-484-01	DIODE P6SMB62AT3				
D1522	6-501-484-01	DIODE P6SMB62AT3				
D1523	6-501-484-01	DIODE P6SMB62AT3				
D1524	6-501-484-01	DIODE P6SMB62AT3				
D1541	8-719-988-61	DIODE 1SS355TE-17				
D1548	8-719-988-61	DIODE 1SS355TE-17				
D2002	8-719-988-61	DIODE 1SS355TE-17				
D2101	8-719-988-61	DIODE 1SS355TE-17				
D5079	8-719-988-61	DIODE 1SS355TE-17				
D5099	8-719-988-61	DIODE 1SS355TE-17				

Ref. No.	Part No.	Description	Remark
D5241	8-719-043-53	DIODE D2SBA20F03	
D5242	8-719-053-18	DIODE 1SR154-400TE-25	
D5243	8-719-053-18	DIODE 1SR154-400TE-25	
D5310	8-719-988-61	DIODE 1SS355TE-17	
D5311	8-719-988-61	DIODE 1SS355TE-17	
D5312	8-719-988-61	DIODE 1SS355TE-17	
< EARTH TERMINAL >			
* EP40	1-537-738-21	TERMINAL, EARTH	
* EP1408	1-537-738-21	TERMINAL, EARTH	
* EP5209	1-537-738-21	TERMINAL, EARTH	
< FERRITE BEAD >			
FB804	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1401	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1402	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1403	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1405	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1501	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB1502	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB2001	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2002	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2003	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB2005	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2006	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB2012	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2022	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2023	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2030	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2037	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2038	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2201	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB5201	1-469-152-11	FERRITE, EMI (SMD) (2012)	
< IC >			
IC301	8-759-710-97	IC NJM4565M-D	
IC611	8-759-710-97	IC NJM4565M-D	
IC612	8-759-710-97	IC NJM4565M-D	
IC613	8-759-710-97	IC NJM4565M-D	
IC615	8-759-710-97	IC NJM4565M-D	
IC1301	6-709-809-01	IC TC9273CFG-012 (EL)	
IC1401	8-759-832-05	IC BA18BC0FP-E2	
IC1403	8-759-058-62	IC TC7S08FU (TE85R)	
IC1411	8-759-524-50	IC TC74VHC541FT (EL)	
IC1412	6-709-035-01	IC CXD9876R	
IC1419	8-759-524-50	IC TC74VHC541FT (EL)	
IC1501	6-710-431-01	IC CXD9879AM	
IC1502	6-710-431-01	IC CXD9879AM	
IC1800	6-807-103-01	IC MB89F538L-FA1ES-X102	
IC2001	6-600-466-01	IC TORX147L (SONY) (DIGITAL 4 IN OPTICAL)	
IC2002	8-759-710-97	IC NJM4565M-D	
IC2003	6-600-461-11	IC TOTX147L (R) (DIGITAL 4 OUT OPTICAL)	
IC2004	6-708-476-01	IC AK4384ET-E2	
IC2006	6-708-025-01	IC LC89057W-VF4A-E	
IC2007	8-759-233-64	IC TC74HCU04AF	
IC2010	8-759-710-97	IC NJM4565M-D	
IC2017	8-759-524-48	IC TC74VHC393FT (EL)	
IC2024	6-701-834-01	IC PCM1802DBR	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
IC2031	8-759-524-50	IC TC74VHC541FT (EL)		Q5281	8-729-271-31	TRANSISTOR	2SC2713-G
IC2035	8-759-649-46	IC SN74AHC1G08DCKR		Q5282	8-729-271-31	TRANSISTOR	2SC2713-G (TYPE-13)
IC2036	8-759-447-77	IC TC7WH74FU (TE12R)		Q5311	8-729-271-31	TRANSISTOR	2SC2713-G
IC2038	8-759-524-50	IC TC74VHC541FT (EL)		Q5312	8-729-271-31	TRANSISTOR	2SC2713-G
IC2051	6-702-913-01	IC S-80929CNMC-G8ZT2G		Q5321	8-729-216-31	TRANSISTOR	2SA1163-G (TYPE-13)
IC2052	6-702-913-01	IC S-80929CNMC-G8ZT2G		Q5328	8-729-216-31	TRANSISTOR	2SA1163-G
IC2054	6-806-762-01	IC MB91F355APMT-FA1ES-X103		Q5334	8-729-017-06	TRANSISTOR	2SC4793
IC2055	6-704-005-01	IC BR24L32F-WE2		Q5341	8-729-271-31	TRANSISTOR	2SC2713-G
IC2056	8-759-277-63	IC TC7W14FU (TE12R)		Q5342	8-729-017-05	TRANSISTOR	2SA1837
IC2057	8-759-058-62	IC TC7S08FU (TE85R)		Q5343	8-729-271-31	TRANSISTOR	2SC2713-G
IC5201	8-759-445-59	IC BA033T		Q5344	8-729-232-69	FET	2SK208-GR3
IC5206	8-759-245-86	IC TA79012S				< RESISTOR >	
IC5210	8-759-450-47	IC BA05T		R50	1-216-081-00	RES-CHIP	22K 5% 1/10W
IC5211	8-759-445-59	IC BA033T		R51	1-216-089-11	RES-CHIP	47K 5% 1/10W
IC5212	8-759-445-59	IC BA033T		R52	1-216-073-00	RES-CHIP	10K 5% 1/10W
IC5213	6-707-542-01	IC TA48025S		R411	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
IC5231	8-759-231-53	IC TA7805S		R413	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
IC5232	8-759-473-41	IC BA10T		R414	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
IC5233	8-759-245-84	IC TA79010S		R415	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
IC5281	8-759-545-66	IC NJM3414AMP (TE2)		R421	1-216-230-00	RES-CHIP	22K 2% 1/8W
IC5301	6-707-905-01	IC M62343FP		R422	1-216-238-00	RES-CHIP	47K 2% 1/8W
IC5333	8-759-545-66	IC NJM3414AMP (TE2)		R423	1-216-238-00	RES-CHIP	47K 2% 1/8W
IC5360	8-759-445-59	IC BA033T		R424	1-219-107-11	RES-CHIP	1.5 5% 1/8W
IC5361	8-759-394-35	IC BA12T		R425	1-219-107-11	RES-CHIP	1.5 5% 1/8W
		< JACK >		R431	1-216-206-00	RES-CHIP	2.2K 2% 1/8W
J605	1-778-517-11	JACK, PIN 6P (PHONO/TUNER/SA-CD CD IN)		R432	1-216-246-00	RES-CHIP	100K 2% 1/8W
J606	1-784-934-11	JACK, PIN 4P (TAPE IN/OUT)		R433	1-216-246-00	RES-CHIP	100K 2% 1/8W
J2001	1-820-547-11	JACK, PIN 3P (DIGITAL 1/2/3 IN COAXIAL)		R434	1-208-419-11	RES-CHIP	180 2% 1/8W
		< JUMPER RESISTOR >		R435	1-208-508-11	RES-CHIP	8.2K 2% 1/8W
JW2004	1-216-295-00	SHORT CHIP 0		R436	1-216-246-00	RES-CHIP	100K 2% 1/8W
		< COIL >		R437	1-216-174-00	RES-CHIP	100 2% 1/8W
L1411	1-456-412-11	INDUCTOR 10uH		R438	1-216-246-00	RES-CHIP	100K 2% 1/8W
L1412	1-456-412-11	INDUCTOR 10uH		R439	1-216-190-00	RES-CHIP	470 2% 1/8W
L1413	1-456-412-11	INDUCTOR 10uH		R461	1-216-222-00	RES-CHIP	10K 2% 1/8W
L1414	1-456-412-11	INDUCTOR 10uH		R474	1-219-107-11	RES-CHIP	1.5 5% 1/8W
L5018	1-456-594-11	INDUCTOR 33uH		R475	1-219-107-11	RES-CHIP	1.5 5% 1/8W
L5038	1-456-594-11	INDUCTOR 33uH		R492	1-216-246-00	RES-CHIP	100K 2% 1/8W
		< TRANSISTOR >		R511	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
Q50	8-729-271-31	TRANSISTOR 2SC2713-G		R513	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
Q1402	8-729-271-31	TRANSISTOR 2SC2713-G		R514	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
Q2002	1-801-806-11	TRANSISTOR DTC144EKA-T146		R515	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
Q2004	1-801-806-11	TRANSISTOR DTC144EKA-T146		R522	1-216-238-00	RES-CHIP	47K 2% 1/8W
Q2005	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L		R523	1-216-238-00	RES-CHIP	47K 2% 1/8W
Q2006	8-729-027-43	TRANSISTOR DTC114EKA-T146		R524	1-216-230-00	RES-CHIP	22K 2% 1/8W
Q2007	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L		R531	1-216-206-00	RES-CHIP	2.2K 2% 1/8W
Q5000	8-729-216-31	TRANSISTOR 2SA1163-G		R532	1-216-246-00	RES-CHIP	100K 2% 1/8W
Q5001	8-729-216-31	TRANSISTOR 2SA1163-G		R533	1-216-246-00	RES-CHIP	100K 2% 1/8W
Q5020	8-729-216-31	TRANSISTOR 2SA1163-G		R534	1-208-419-11	RES-CHIP	180 2% 1/8W
Q5021	8-729-216-31	TRANSISTOR 2SA1163-G		R535	1-208-508-11	RES-CHIP	8.2K 2% 1/8W
Q5269	8-729-027-38	TRANSISTOR DTA144EKA-T146		R536	1-216-246-00	RES-CHIP	100K 2% 1/8W
Q5271	8-729-230-49	TRANSISTOR 2SC2712-YG		R537	1-216-174-00	RES-CHIP	100 2% 1/8W
Q5276	8-729-230-49	TRANSISTOR 2SC2712-YG		R538	1-216-246-00	RES-CHIP	100K 2% 1/8W
Q5278	8-729-230-49	TRANSISTOR 2SC2712-YG		R539	1-216-190-00	RES-CHIP	470 2% 1/8W
				R561	1-216-222-00	RES-CHIP	10K 2% 1/8W
				R592	1-216-246-00	RES-CHIP	100K 2% 1/8W
				R634	1-216-182-00	RES-CHIP	220 2% 1/8W

Note: Refer to "MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION" about each type.

TA-FA1200ES

MAIN DIF

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R635	1-216-182-00	RES-CHIP	220	2%	1/8W	R1515	1-216-809-11	METAL CHIP	100	5%	1/10W
R1301	1-216-013-00	RES-CHIP	33	5%	1/10W	R1516	1-216-809-11	METAL CHIP	100	5%	1/10W
R1302	1-216-013-00	RES-CHIP	33	5%	1/10W	R1517	1-216-809-11	METAL CHIP	100	5%	1/10W
R1317	1-216-025-11	RES-CHIP	100	5%	1/10W	R1518	1-216-809-11	METAL CHIP	100	5%	1/10W
R1401	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1522	1-216-797-11	METAL CHIP	10	5%	1/10W
R1402	1-216-857-11	METAL CHIP	1M	5%	1/10W	R1531	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1403	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1533	1-216-809-11	METAL CHIP	100	5%	1/10W
R1404	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1536	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1405	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1541	1-216-809-11	METAL CHIP	100	5%	1/10W
R1406	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1542	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1411	1-216-809-11	METAL CHIP	100	5%	1/10W	R1543	1-216-809-11	METAL CHIP	100	5%	1/10W
R1412	1-216-809-11	METAL CHIP	100	5%	1/10W	R1545	1-216-809-11	METAL CHIP	100	5%	1/10W
R1413	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1551	1-216-809-11	METAL CHIP	100	5%	1/10W
R1414	1-216-809-11	METAL CHIP	100	5%	1/10W	R1552	1-216-809-11	METAL CHIP	100	5%	1/10W
R1417	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1553	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1418	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1554	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1419	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1555	1-216-797-11	METAL CHIP	10	5%	1/10W
R1422	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1556	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1424	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1557	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1425	1-216-809-11	METAL CHIP	100	5%	1/10W	R1558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1431	1-216-864-11	SHORT CHIP	0			R1559	1-216-809-11	METAL CHIP	100	5%	1/10W
R1432	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1560	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1433	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1561	1-216-809-11	METAL CHIP	100	5%	1/10W
R1434	1-216-809-11	METAL CHIP	100	5%	1/10W	R1562	1-216-809-11	METAL CHIP	100	5%	1/10W
R1436	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1563	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1437	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1564	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1440	1-216-809-11	METAL CHIP	100	5%	1/10W	R1565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1441	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1566	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1442	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1567	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1443	1-216-809-11	METAL CHIP	100	5%	1/10W	R1568	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1444	1-216-809-11	METAL CHIP	100	5%	1/10W	R1569	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1445	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R1570	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1447	1-216-809-11	METAL CHIP	100	5%	1/10W	R1571	1-216-809-11	METAL CHIP	100	5%	1/10W
R1449	1-216-809-11	METAL CHIP	100	5%	1/10W	R1573	1-216-797-11	METAL CHIP	10	5%	1/10W
R1455	1-216-809-11	METAL CHIP	100	5%	1/10W	R1574	1-216-797-11	METAL CHIP	10	5%	1/10W
R1461	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1577	1-216-809-11	METAL CHIP	100	5%	1/10W
R1462	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1578	1-216-809-11	METAL CHIP	100	5%	1/10W
R1463	1-216-809-11	METAL CHIP	100	5%	1/10W	R1580	1-216-797-11	METAL CHIP	10	5%	1/10W
R1464	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1581	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1467	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1582	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1468	1-216-809-11	METAL CHIP	100	5%	1/10W	R1583	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1469	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1584	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1472	1-216-809-11	METAL CHIP	100	5%	1/10W	R1585	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1474	1-216-809-11	METAL CHIP	100	5%	1/10W	R1586	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1475	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1587	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1476	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1588	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1477	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1589	1-216-809-11	METAL CHIP	100	5%	1/10W
R1479	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1590	1-216-809-11	METAL CHIP	100	5%	1/10W
R1483	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1591	1-216-797-11	METAL CHIP	10	5%	1/10W
R1485	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1592	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1486	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1593	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1508	1-216-797-11	METAL CHIP	10	5%	1/10W	R1594	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1509	1-216-809-11	METAL CHIP	100	5%	1/10W	R1595	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1596	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1512	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1703	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1711	1-260-107-11	CARBON	4.7K	5%	1/2W
R1514	1-216-809-11	METAL CHIP	100	5%	1/10W	R1712	1-260-107-11	CARBON	4.7K	5%	1/2W
						R2001	1-208-755-11	METAL CHIP	75	0.5%	1/10W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R2002	1-208-755-11	METAL CHIP	75	0.5%	1/10W	R2121	1-216-809-11	METAL CHIP	100	5%	1/10W
R2003	1-216-809-11	METAL CHIP	100	5%	1/10W	R2123	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2004	1-216-809-11	METAL CHIP	100	5%	1/10W	R2124	1-216-809-11	METAL CHIP	100	5%	1/10W
R2005	1-216-809-11	METAL CHIP	100	5%	1/10W	R2125	1-216-809-11	METAL CHIP	100	5%	1/10W
R2006	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2176	1-216-809-11	METAL CHIP	100	5%	1/10W
R2007	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2231	1-216-805-11	METAL CHIP	47	5%	1/10W
R2008	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2232	1-216-805-11	METAL CHIP	47	5%	1/10W
R2009	1-208-774-11	METAL CHIP	470	0.5%	1/10W	R2233	1-216-805-11	METAL CHIP	47	5%	1/10W
R2010	1-208-774-11	METAL CHIP	470	0.5%	1/10W	R2234	1-216-805-11	METAL CHIP	47	5%	1/10W
R2011	1-216-809-11	METAL CHIP	100	5%	1/10W	R2235	1-216-805-11	METAL CHIP	47	5%	1/10W
R2012	1-216-033-00	RES-CHIP	220	5%	1/10W	R2236	1-216-805-11	METAL CHIP	47	5%	1/10W
R2013	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2237	1-216-805-11	METAL CHIP	47	5%	1/10W
R2014	1-216-809-11	METAL CHIP	100	5%	1/10W	R2251	1-216-809-11	METAL CHIP	100	5%	1/10W
R2015	1-208-787-11	METAL CHIP	1.6K	0.5%	1/10W	R2252	1-216-809-11	METAL CHIP	100	5%	1/10W
R2016	1-208-550-41	RES-CHIP	470K	2%	1/10W	R2253	1-216-809-11	METAL CHIP	100	5%	1/10W
R2017	1-208-550-41	RES-CHIP	470K	2%	1/10W	R2254	1-216-809-11	METAL CHIP	100	5%	1/10W
R2019	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2255	1-216-809-11	METAL CHIP	100	5%	1/10W
R2020	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2257	1-216-809-11	METAL CHIP	100	5%	1/10W
R2021	1-208-787-11	METAL CHIP	1.6K	0.5%	1/10W	R2292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2022	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	R2294	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2023	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2295	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2024	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2296	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2025	1-216-809-11	METAL CHIP	100	5%	1/10W	R2317	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2026	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2321	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2027	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2322	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2028	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	R2323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2029	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R2324	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2030	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2326	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2031	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2330	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2032	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2333	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2033	1-216-857-11	METAL CHIP	1M	5%	1/10W	R2338	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2034	1-216-809-11	METAL CHIP	100	5%	1/10W	R2342	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2035	1-216-033-00	RES-CHIP	220	5%	1/10W	R2344	1-216-809-11	METAL CHIP	100	5%	1/10W
R2036	1-216-813-11	METAL CHIP	220	5%	1/10W	R2345	1-216-809-11	METAL CHIP	100	5%	1/10W
R2037	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2350	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2038	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R2351	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2039	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2354	1-216-809-11	METAL CHIP	100	5%	1/10W
R2040	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	R2355	1-216-809-11	METAL CHIP	100	5%	1/10W
R2041	1-247-807-11	CARBON	100	5%	1/4W	R2356	1-216-809-11	METAL CHIP	100	5%	1/10W
R2042	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R2357	1-216-809-11	METAL CHIP	100	5%	1/10W
R2043	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R2358	1-216-809-11	METAL CHIP	100	5%	1/10W
R2044	1-216-809-11	METAL CHIP	100	5%	1/10W	R2359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2045	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	R2360	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2050	1-216-805-11	METAL CHIP	47	5%	1/10W	R2361	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2053	1-216-635-11	METAL CHIP	220	0.5%	1/10W	R2362	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2055	1-216-809-11	METAL CHIP	100	5%	1/10W	R2363	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2057	1-216-687-11	METAL CHIP	33K	0.5%	1/10W	R2364	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2058	1-216-603-11	METAL CHIP	10	0.5%	1/10W	R2367	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2061	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2369	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2064	1-216-817-11	METAL CHIP	470	5%	1/10W	R2370	1-216-809-11	METAL CHIP	100	5%	1/10W
R2075	1-216-809-11	METAL CHIP	100	5%	1/10W	R2371	1-216-809-11	METAL CHIP	100	5%	1/10W
R2079	1-216-809-11	METAL CHIP	100	5%	1/10W	R2372	1-216-809-11	METAL CHIP	100	5%	1/10W
R2084	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2373	1-216-809-11	METAL CHIP	100	5%	1/10W
R2086	1-216-809-11	METAL CHIP	100	5%	1/10W	R2374	1-216-809-11	METAL CHIP	100	5%	1/10W
R2087	1-216-857-11	METAL CHIP	1M	5%	1/10W	R2377	1-216-809-11	METAL CHIP	100	5%	1/10W
R2094	1-216-809-11	METAL CHIP	100	5%	1/10W	R2378	1-216-809-11	METAL CHIP	100	5%	1/10W
R2096	1-216-809-11	METAL CHIP	100	5%	1/10W	R2379	1-216-809-11	METAL CHIP	100	5%	1/10W
						R2382	1-216-833-11	METAL CHIP	10K	5%	1/10W

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Ref. No.	Part No.	Description			Remark
R2383	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2384	1-216-809-11	METAL CHIP	100	5%	1/10W
R2385	1-216-809-11	METAL CHIP	100	5%	1/10W
R2386	1-216-809-11	METAL CHIP	100	5%	1/10W
R2387	1-216-809-11	METAL CHIP	100	5%	1/10W
R2388	1-216-809-11	METAL CHIP	100	5%	1/10W
R2389	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2390	1-216-815-11	METAL CHIP	330	5%	1/10W
R2391	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2392	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2393	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2394	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2395	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2396	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2397	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2398	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2399	1-216-809-11	METAL CHIP	100	5%	1/10W
R2400	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2401	1-216-809-11	METAL CHIP	100	5%	1/10W
R2402	1-216-809-11	METAL CHIP	100	5%	1/10W
R2403	1-216-809-11	METAL CHIP	100	5%	1/10W
R2404	1-216-809-11	METAL CHIP	100	5%	1/10W
R2405	1-216-809-11	METAL CHIP	100	5%	1/10W
R2406	1-216-809-11	METAL CHIP	100	5%	1/10W
R2410	1-216-809-11	METAL CHIP	100	5%	1/10W
R2411	1-216-817-11	METAL CHIP	470	5%	1/10W
R2412	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2413	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2414	1-208-550-41	RES-CHIP	470K	2%	1/10W
R2415	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2416	1-216-809-11	METAL CHIP	100	5%	1/10W
R2418	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2423	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2428	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3328	1-216-142-00	RES-CHIP	4.7	5%	1/8W
R3329	1-216-142-00	RES-CHIP	4.7	5%	1/8W
R3428	1-216-142-00	RES-CHIP	4.7	5%	1/8W
R3429	1-216-142-00	RES-CHIP	4.7	5%	1/8W
R5000	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5001	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5002	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5020	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5021	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5022	1-216-845-11	METAL CHIP	100K	5%	1/10W
△ R5079	1-249-393-11	CARBON	10	5%	1/4W F
△ R5099	1-249-393-11	CARBON	10	5%	1/4W F
R5201	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5250	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5256	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5257	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5258	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5259	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5271	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5282	1-259-317-81	CARBON	3.6K	1%	1/2W
R5283	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5284	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5285	1-216-262-00	RES-CHIP	470K	5%	1/8W

Ref. No.	Part No.	Description			Remark
R5286	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5287	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5288	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5289	1-218-725-11	METAL CHIP	24K	0.5%	1/10W
R5291	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5300	1-259-341-81	CARBON	36K	1%	1/2W
R5301	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5302	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5303	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5304	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5307	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5308	1-234-182-11	ENCAPSULATED COMPONENT			
R5309	1-216-837-11	METAL CHIP	22K	5%	1/10W (TYPE-13)
△ R5310	1-212-934-00	FUSIBLE	1	5%	1/2W F
R5311	1-216-174-00	RES-CHIP	100	5%	1/8W
R5312	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5313	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5315	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R5316	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R5317	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (TYPE-13)
R5318	1-216-081-00	RES-CHIP	22K	5%	1/10W (TYPE-13)
R5319	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5334	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5340	1-216-813-11	METAL CHIP	220	5%	1/10W
R5355	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R5359	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5360	1-249-818-11	CARBON	4.7K	1%	1/2W
R5361	1-216-158-00	RES-CHIP	22	5%	1/8W
R5365	1-216-158-00	RES-CHIP	22	5%	1/8W
R5366	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5367	1-216-817-11	METAL CHIP	470	5%	1/10W
R5368	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5371	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5375	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5377	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R5378	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5384	1-216-813-11	METAL CHIP	220	5%	1/10W
R5392	1-216-238-00	RES-CHIP	47K	2%	1/8W
R5408	1-216-839-11	METAL CHIP	33K	5%	1/10W
		< RELAY >			
RY5079	1-755-500-11	RELAY			
RY5099	1-755-500-11	RELAY			
		< TERMINAL >			
TM5003	1-780-425-11	TERMINAL BOARD (SPEAKER) (SPEAKERS)			
		< VIBRATOR >			
X1401	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			
X1402	1-813-388-11	OSCILLATOR, CRYSTAL (49.152MHz)			
X2001	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
X2004	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			

Note: Refer to "MAIN DIF BOARD AND DISPLAY BOARD DISCRIMINATION" about each type.

MEMO

REVISION HISTORY

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