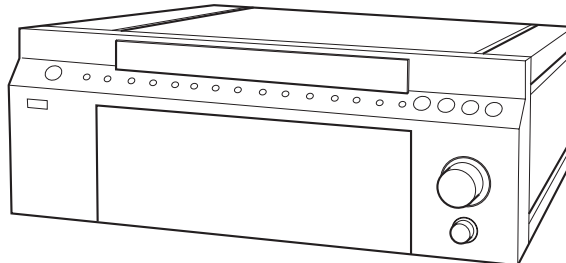


TA-DA9000ES

SERVICE MANUAL

Ver 1.2 2004.09

AEP Model
E Model



This amplifier incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories.

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

** “DTS”, “DTS-ES Extended Surround”, and “Neo:6” are trademarks of Digital Theater Systems, Inc.

SPECIFICATIONS

Amplifier section

POWER OUTPUT

Rated Power Output at Stereo Mode¹⁾

(8 ohms, 20 Hz – 20 kHz, THD 0.15%)

200 W + 200 W

(4 ohms, 20 Hz – 20 kHz, THD 0.15%)

220 W + 220 W

Reference Power Output

(8 ohms, 1 kHz, THD 0.09%)

FRONT²⁾: 200 W + 200 W

CENTER²⁾: 200 W

SURR²⁾: 200 W + 200 W

SURR BACK²⁾: 200 W + 200 W

(4 ohms, 1 kHz, THD 0.09%)

FRONT²⁾: 220 W + 220 W

CENTER²⁾: 220 W

SURR²⁾: 220 W + 220 W

SURR BACK²⁾: 220 W + 220 W

1) Depending on the sound field settings and the source, there may be no sound output.

2) Measured under the following conditions:

Area code	Power requirements
CEL	230 V AC, 50/60 Hz
TW	110 V AC, 60 Hz
KR	230 V AC, 60 Hz

Frequency response

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

Power Amp Block	10 Hz – 50 kHz ± 3 dB (8 ohms)
-----------------	-----------------------------------

Inputs (Analog)

PHONO	Sensitivity: 3.5 mV Impedance: 50 kilohms S/N ³⁾ : 90 dB (A, 40 mV ⁴⁾)
-------	---

CD/SACD, TAPE, MD/DAT, DVD, LD, TV/SAT, VIDEO 1, 2, 3, 4, 5	Sensitivity: 170 mV Impedance: 50 kilohms S/N ³⁾ : 100 dB (A, 2V ⁴⁾)
---	---

3) Input shorted and sealed at VOL MAX.

4) Weighted network + 20 kHz LPF, input level.

Inputs (Digital)

CD/SACD, DVD, LD, VIDEO 1, TV/SAT (Coaxial)	Impedance: 75 ohms S/N: 100 dB (A Network, 20 kHz LPF)
---	--

CD/SACD, DVD, LD, TV/SAT, MD/DAT, VIDEO1, 3 (Optical)	S/N: 100 dB (A Network, 20 kHz LPF)
---	--

Outputs

TAPE, MD/DAT (REC OUT), VIDEO 1, 2, 3 (AUDIO OUT)	Voltage: 170 mV Impedance: 2.2 kilohms
---	---

FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUB WOOFER	Voltage: 2 V Impedance: 220 ohms
--	-------------------------------------

EQUALIZER

Gain levels	±10 dB, 1 dB step
-------------	-------------------

Video section

Inputs/Outputs

Video:	1 Vp-p, 75 ohms
S-video:	Y: 1 Vp-p, 75 ohms C: 0.286 Vp-p, 75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p, 75 ohms P _B /C _B /B-Y: 0.7 Vp-p, 75 ohms P _R /C _R /R-Y: 0.7 Vp-p, 75 ohms

– Continued on next page –

MULTI-CHANNEL INTEGRATED AMPLIFIER

9-961-291-03

2004I05-1

© 2004.09

Sony Corporation

Audio Group

Published by Sony Engineering Corporation

SONY®

i.LINK section

Pin	4 pins
Transmission speed	S200 (Maximum data transmission speed 200 Mbps)
Transmission protocol	A/M transmission protocol
Format (input)	Super Audio CD* (DSD PLAIN) 2 channel linear PCM (IEC-60958-3) Sampling frequency: 44.1 kHz

* Conforms to the copy protection technology of DTLA (Revision 1.2).

General

Power requirements	
Area code	Power requirements
AEP	230 V AC, 50/60 Hz
Taiwan	110 V AC, 60 Hz

Area code	Power requirements
Korean	220 V AC, 60 Hz
Power consumption	600 W
Power consumption (during standby mode)	1 W
AC outlets	
Area code	AC outlets
AEP	1 switched, 100 W MAX
except AEP	– (no AC outlet)
Dimensions	430 × 238 × 480 mm including projecting parts and controls
Mass (Approx.)	28.5 kg

Supplied accessories

- AC power coad (1)
 - Easy Setup Guide (1)
 - Remote commander RM-LJ312 (1)
 - Operating Instructions for RM-LJ312 (1)
 - R6 (size-AA) batteries (3)
- Design and specifications are subject to change without notice.

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.

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.

 : 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.

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SECTION 1 SERVICING NOTES

NOTES ON REPLACEMENT OF I. LINK BOARD

New part of microcomputer (IC3002) and EEPROM (IC3001) on the I. LINK board cannot be used. Therefore, if the mounted I. LINK board (A-4733-835-A) is replaced, exchange new microcomputer and new EEPROM with that used before the replacement.

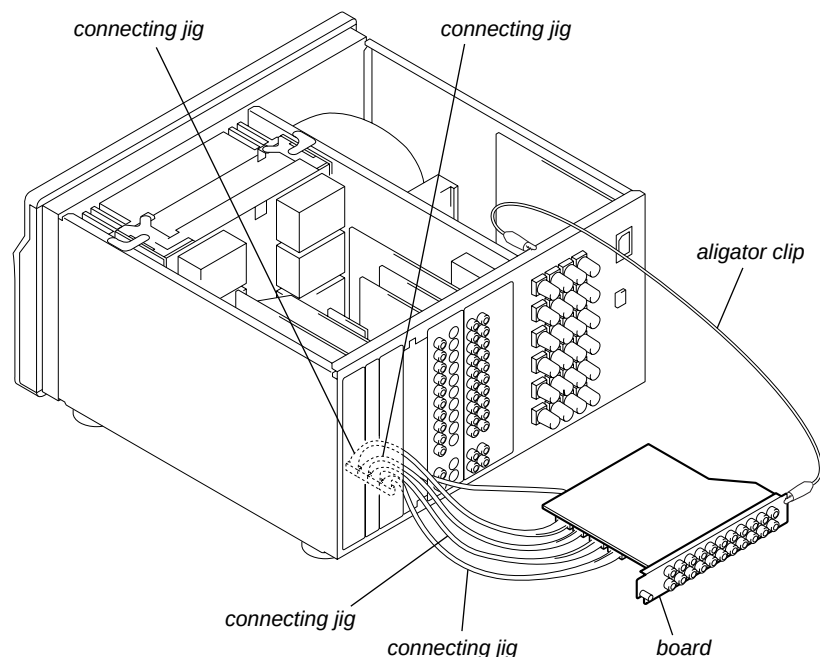
OPERATION CHECK OF STANDING BOARDS ON THE MOTHER BOARD

The standing boards connected to the MOTHER board via the connectors can be operated using the jig with the standing boards disconnected from the MOTHER board.

In such a case, for the board with the bracket (back panel), remove the board together with the bracket from the MOTHER board, and connect the bracket to the chassis using a cable attached with alligator clips for GND connection.

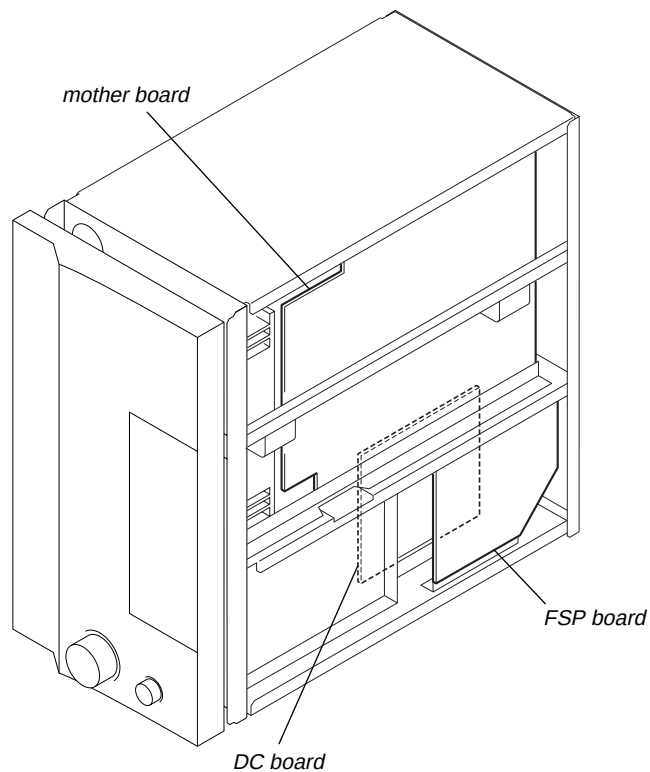
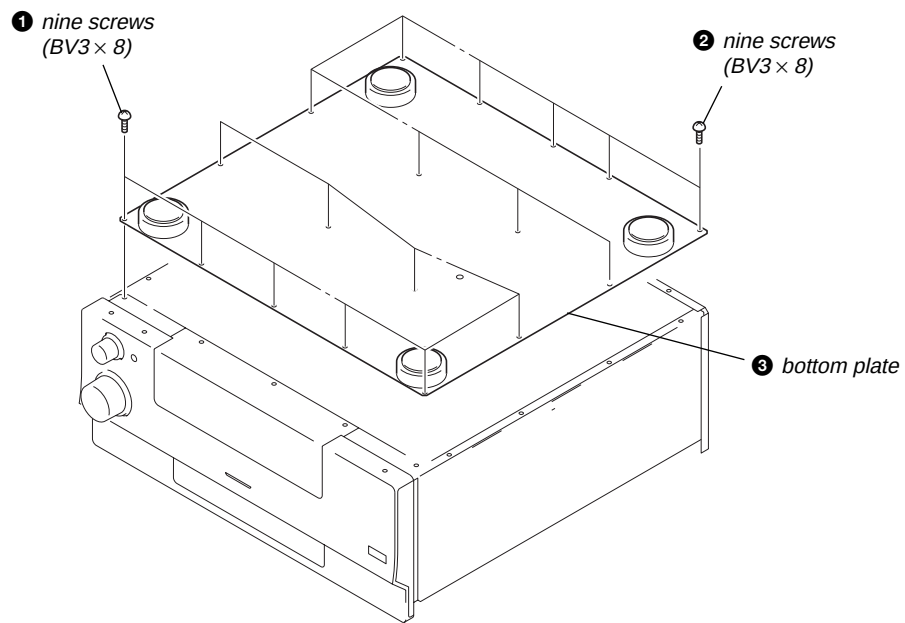
Board	Ref. No. of connector		Pitch/Pin	Part No. of jig
	Each board	MOTHER board		
DIGITAL board	CN2001	CNS801	1.25mm/20 pin	J-2501-260-A
	CN2002	CNS802	1.25mm/20 pin	J-2501-260-A
	CN2003	CNS803	1.25mm/16 pin	J-2501-258-A
	CN2004	CNS804	1.25mm/18 pin	J-2501-259-A
	CN2005	CNS805	1.25mm/20 pin	J-2501-260-A
I. LINK board	CN3501	CNS806	1.25mm/16 pin	J-2501-258-A
	CN3502	CNS807	1.25mm/18 pin	J-2501-259-A
	CN3503	CNS808	1.25mm/6 pin	J-2501-253-A
MAIN board	CN101	CNS810	1.25mm/14 pin	J-2501-257-A
	CN102	CNS811	1.25mm/14 pin	J-2501-257-A
	CN103	CNS809	1.25mm/8 pin	J-2501-254-A
	CN104	CNS825	1.25mm/20 pin	J-2501-260-A
	CN105	CNS824	1.25mm/10 pin	J-2501-255-A
PREOUT board	CN1201	CNS822	1.25mm/16 pin	J-2501-258-A
	CN1203	CNS823	1.25mm/10 pin	J-2501-255-A
SUB board	CN1003	CNS812	1.25mm/14 pin	J-2501-257-A
	CN1002	CNS813	1.25mm/14 pin	J-2501-257-A
	CN1001	CNS814	1.25mm/8 pin	J-2501-254-A
	CN1006	CNS826	1.25mm/12 pin	J-2501-256-A
VIDEO board	CN302	CNS816	1.25mm/18 pin	J-2501-259-A
	CN301	CNS815	1.25mm/8 pin	J-2501-254-A
S-VIDEO board	CN402	CNS817	1.25mm/20 pin	J-2501-260-A
	CN401	CNS818	1.25mm/6 pin	J-2501-253-A
COMPONENT board	CN1303	CNS819	1.25mm/20 pin	J-2501-260-A
	CN1302	CNS820	1.25mm/16 pin	J-2501-258-A
	CN1301	CNS821	1.25mm/20 pin	J-2501-260-A
AMP board	CN1501	CN824	2.5mm/20 pin	J-2501-262-A
	CN1507	CN816	2.5mm/6 pin	J-2501-261-A
	CN1508	CN815	2.5mm/6 pin	J-2501-261-A

Example of Connection



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

– BOTTOM VIEW –

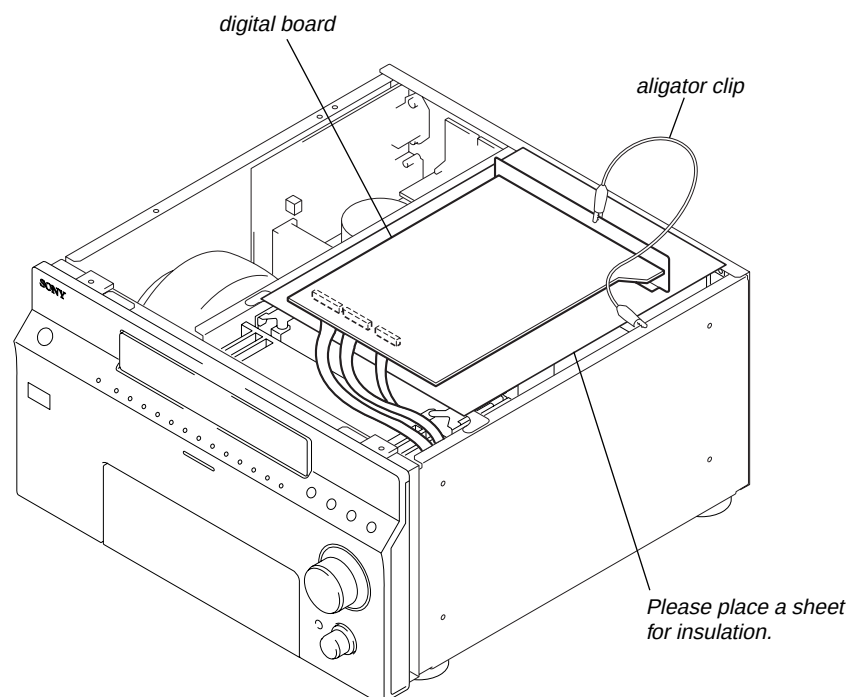
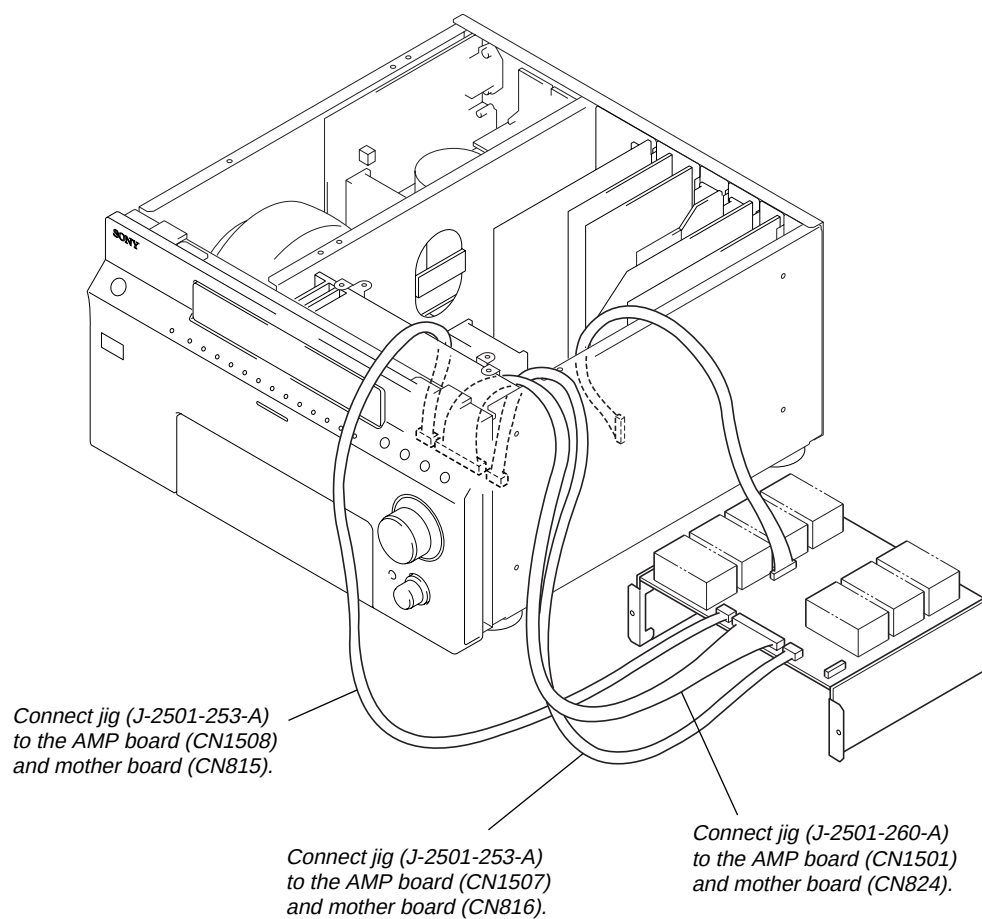


NOTE:

- FSP board can be removed in this state.
- In the same state after removing a FSP board, the check of DC board can be performed.

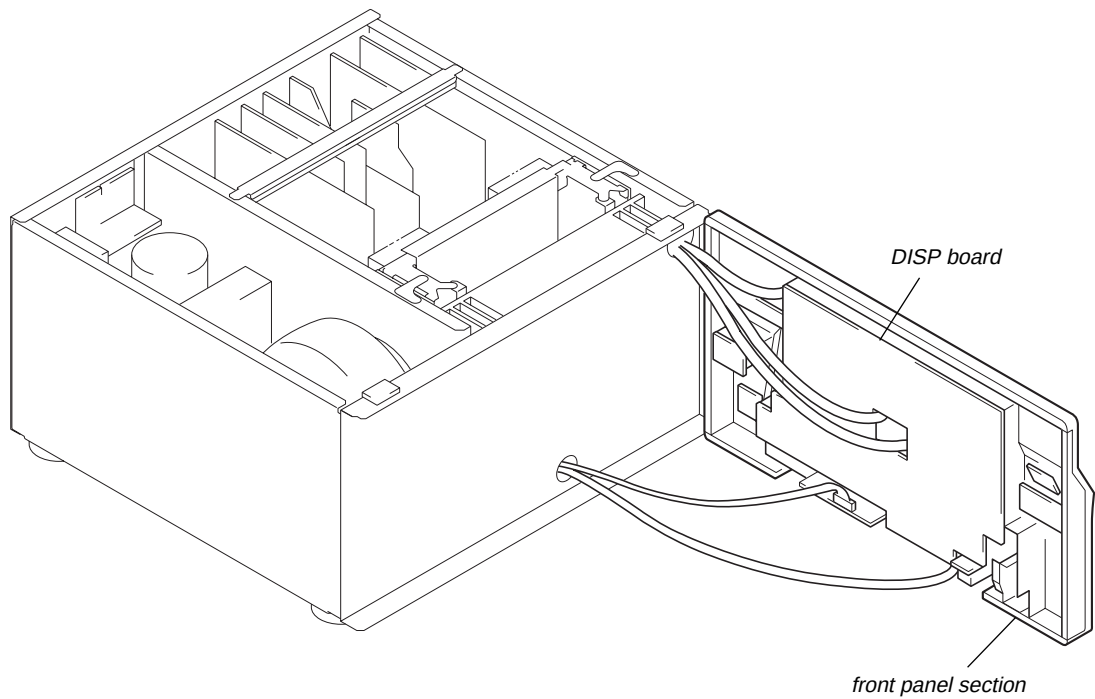
DIGITAL BOARD SERVICE POSITION

Note: Case (top) and Case (side-L)/(side-R) are removed.

**AMP BOARD SERVICE POSITION**

DISP BOARD SERVICE POSITION

Note: Please open a front panel on the right hand side of the set front.



• MODEL IDENTIFICATION

– Back Panel –



Model	PART No.
AEP model	4-248-144-1□
Korean model	4-248-144-2□
Taiwan model	4-248-144-3□

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.

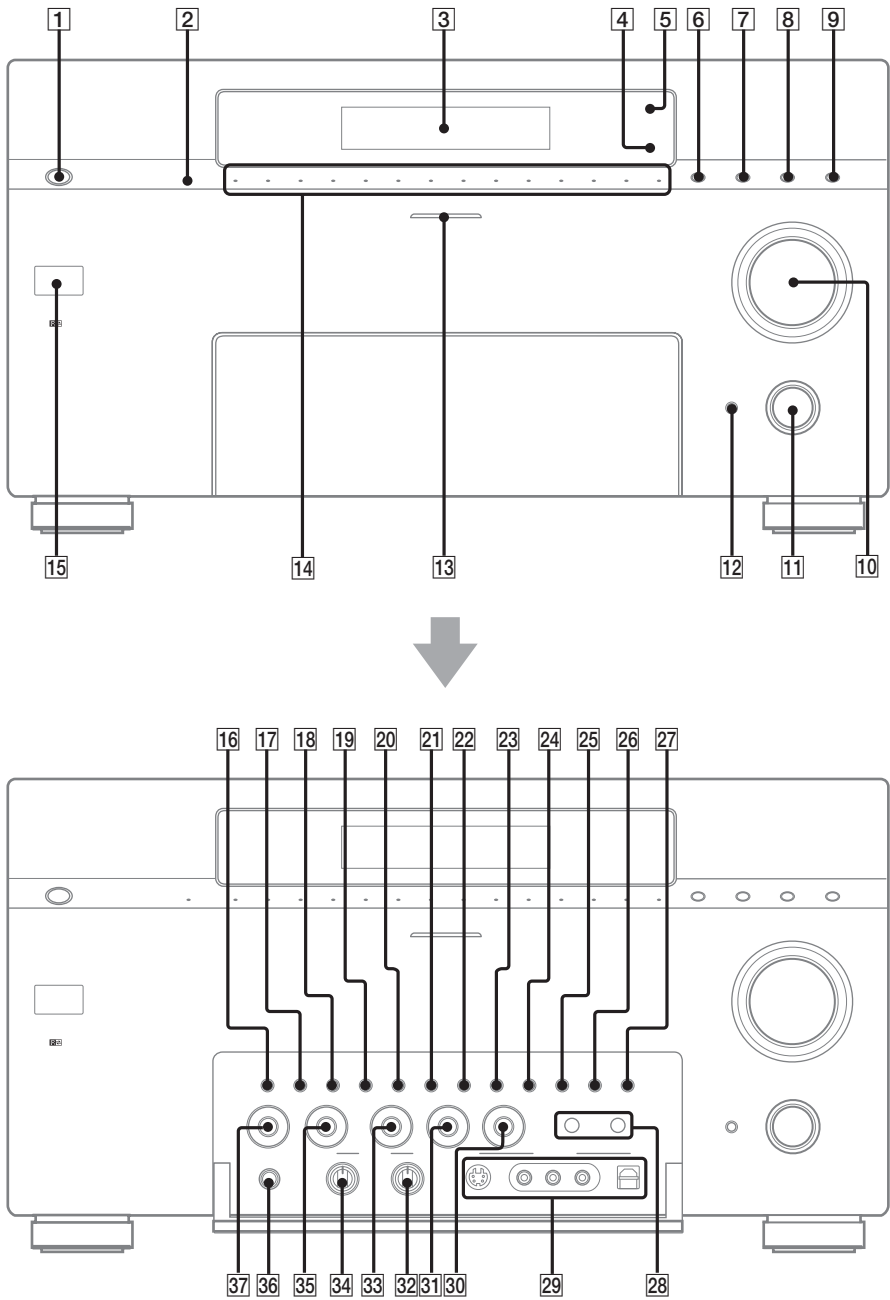
messages	check code	cause and response
DECODE ERROR	01	Appears when the signal which the receiver can not decode (example DSD-CD) is input when "DEC. PRI." in the CUSTOM IZE menu is set to "PCM". Set to "AUTO".
PROTECTOR	11	Irregular current output to the speakers. Turn off the receiver and check the speaker connection. Then turn on the power again. Be comes this display, When short current flowed with breakage of the power MOS, or when detection resistor becomes open in connection with it.
PROTECTOR	12	The amplifier section is overheated. Turn off the receiver and check that the ventilation hole is not covered. Leave the receiver for a while and turn on the power again.
PROTECTOR	13	The power supply section is overheated. Turn off the receiver and check that the ventilation hole is not covered. leave the receiver for a while and turn on the power again.
PROTECTOR	21	DC between speaker terminal is detected (abnormalities such as DSD 0DATA and signal clip can be considered). Turn off the receiver and check the speaker connection. Then turn on the power again.
PROHIBITED	71	The receiver can't output the sound due to the copyright protection.
UNKNOWN SIGNAL	72	The receiver isn't compatible with the format of the input signal.

LOCATION OF CONTROLS

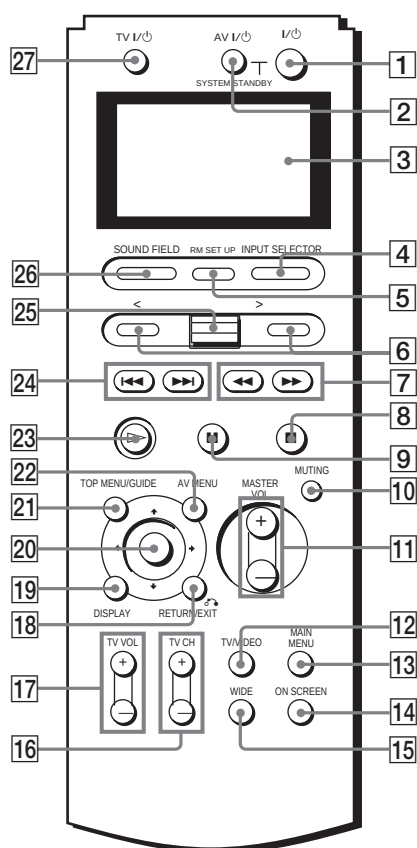
Main unit

- ALPHABETICAL ORDER
- A.F.D. 7
 - BASS 37
 - DECODE PRIORITY 24
 - Digital Cinema Sound indicator 5
 - DIMMER 16
 - DIRECT 25
 - DIRECT indicator 2
 - DISPLAY 23
 - Display 3
 - ENTER 21
 - Input indicators 14
 - INPUT MODE 12
 - INPUT SELECTOR 11
 - IR receptor 15
 - MAIN MENU 33
 - MASTER VOLUME 10
 - MENU 31
 - MOVIE 8
 - MULTI CH IN 1/2 26
 - MULTI CHANNEL DECODING indicator 13
 - MUSIC 9
 - NIGHT MODE 18
 - ON SCREEN 19
 - PHONES jack 36
 - REC OUT SELECTOR +/- 28
 - SB DEC indicator 4
 - SLEEP 17
 - SPEAKERS FRONT switch 34
 - SPEAKERS SURROUND switch 32
 - SURR BACK DECODING 27
 - TEST TONE 20
 - TREBLE 35
 - USER PRESET 22
 - VIDEO 5 INPUT jacks 29

- NUMBERS AND SYMBOLS
- 2CH 6
 - I/⏻ (power) 1
 - /+ 30



– Remote Commander –



I/⏻ 1

Press to turn the receiver on or off.

AV I/⏻ 2

Press to turn on or off the components that the remote is programmed to operate. For details on programming procedure, see P programming the remote on page 16. If you press the I/⏻ switch (1) at the same time, it will turn off the main component and other Sony audio/video components (SYSTEM STANDBY).

Note

The function of the AV I/⏻ switch changes automatically each time you press INPUT SELECTOR (4). Depending on the component, the above operation may not be possible or may operate differently than described.

AV MENU 22

Press to display the menus of the VCR, DVD player, or satellite tuner on the TV screen. Then use the control button to perform the menu operations.

Control button 20

After pressing MAIN MENU, TOP MENU/GUIDE, or AV MENU, move the control button up, down, left or right to select the settings. When you press TOP MENU/GUIDE or AV MENU, press the button to enter the selection.

To perform menu operations on the VCR, DVD player, or SAT tuner, do the procedure below. If you do not do this, the cursor buttons merely operate the receiver.

- 1 Press INPUT SELECTOR and move the easy scroll key to select the input, then press the key to enter the selection.
- 2 Press MAIN MENU, TOP MENU/GUIDE, or AV MENU.
The CURSOR TYPE list appears. If the list has disappeared before you go on to step 3, press any of the cursor buttons to restore the list.
- 3 Move the easy scroll key to select the component that you selected in step 1, then press the key to enter the selection.

DISPLAY 19

Press to select information displayed on the TV screen.

Display window 3

The current status of the selected component or a list of selectable items appears here.

Note

Characters other than letters of the alphabet or numbers may be displayed incorrectly on the remote, even if they appear correctly in the display window on the main unit.

Easy scroll key 25

While displaying a list, move up or down to select an item from the list, and then press to enter the selection.

INPUT SELECTOR 4

Press to display the input (component) list.

MAIN MENU 13

Press repeatedly to select a menu (SURROUND, etc.) for the receiver.

MASTER VOL +/- 11

Press to adjust the volume level of all speakers at the same time.

MUTING 10

Press to mute the sound.

ON SCREEN 14

Press to display the menus of the receiver on the TV screen.

RETURN ⏮/EXIT 18

Press to return to the previous menu or exit the menu while the menu or guide of the VCR, DVD player, or satellite tuner is displayed on the TV screen.

RM SET UP 5

Press to display the set up list.

SOUND FIELD 26

Press to display the sound field list.

TOP MENU/GUIDE 21

Press to display the menu or guide of the DVD player or satellite tuner on the TV screen. Then use the control button to perform the menu operations.

TV I/⏻ 27

Press to turn TV on or off.

TV/VIDEO 12

Press to change the input mode of the TV.

TV CH +/- 16

Press to switch the channel of TV.

TV VOL +/- 17

Press to adjust the volume of TV.

WIDE 15

Press to switch the TV to the wide mode.

</> 6

Press to change the information displayed on the display. Press the < button repeatedly to display the RECEIVER menu, press the > button repeatedly to display the SUB menu or NUM menu. In the NUM menu, move the easy scroll key to select the numeric value, then press the key to enter the selection.

▷ 23

Press to start play of the playback medium.

⏏ 9

Press to pause play or recording, or press to start recording when the component is in recording standby.

■ 8

Press to stop play.

⏮/⏭ 24

Press to skip tracks.

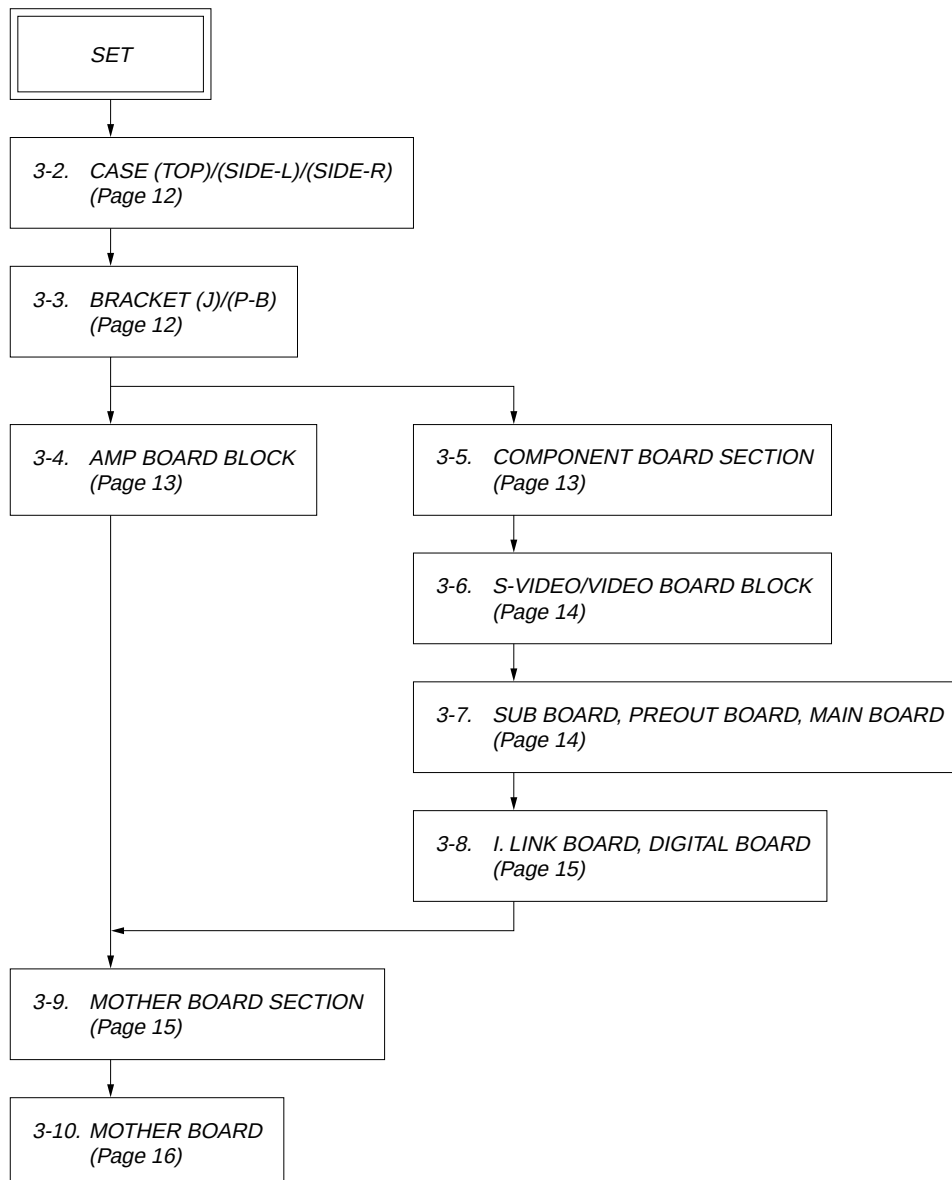
⏮/⏭ 7

Press to fast-forward or rewind, or search tracks in the forward or backward direction.

SECTION 3 DISASSEMBLY

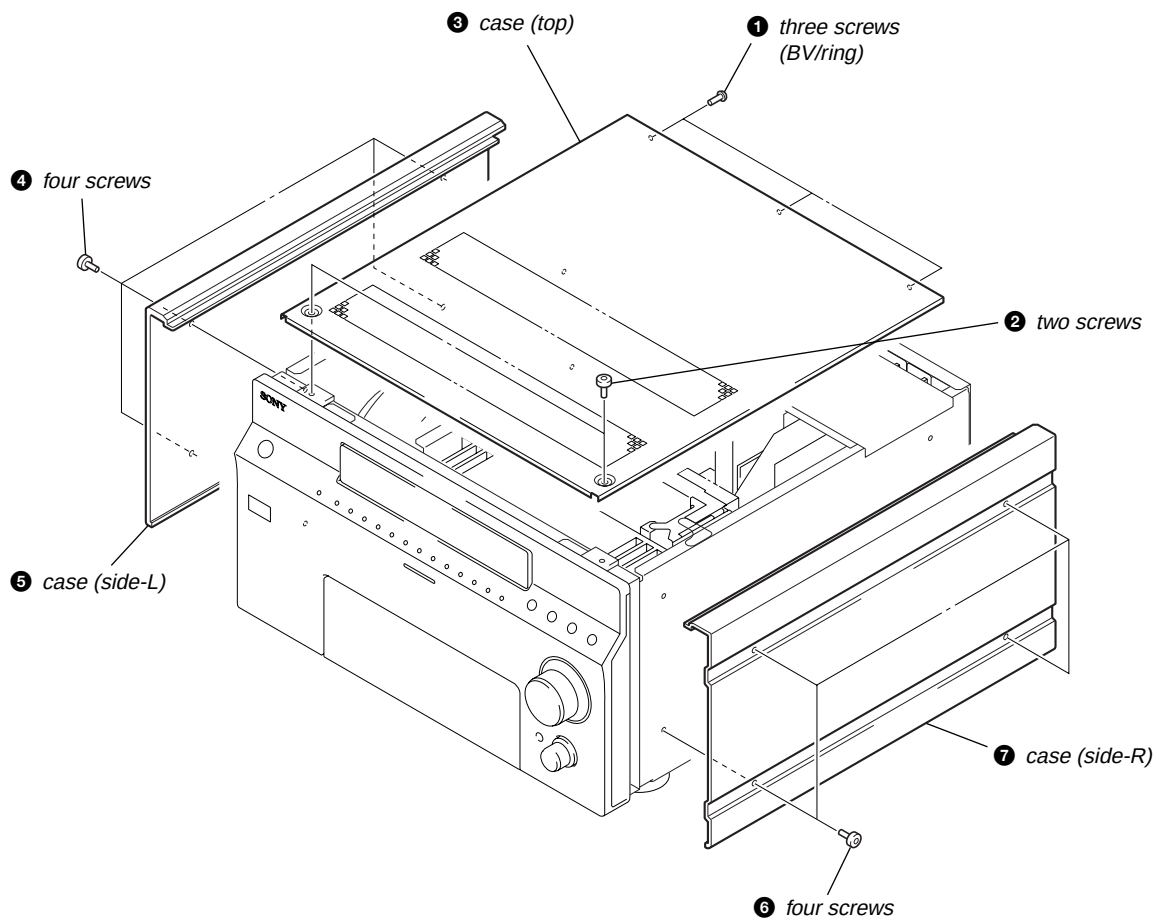
• This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

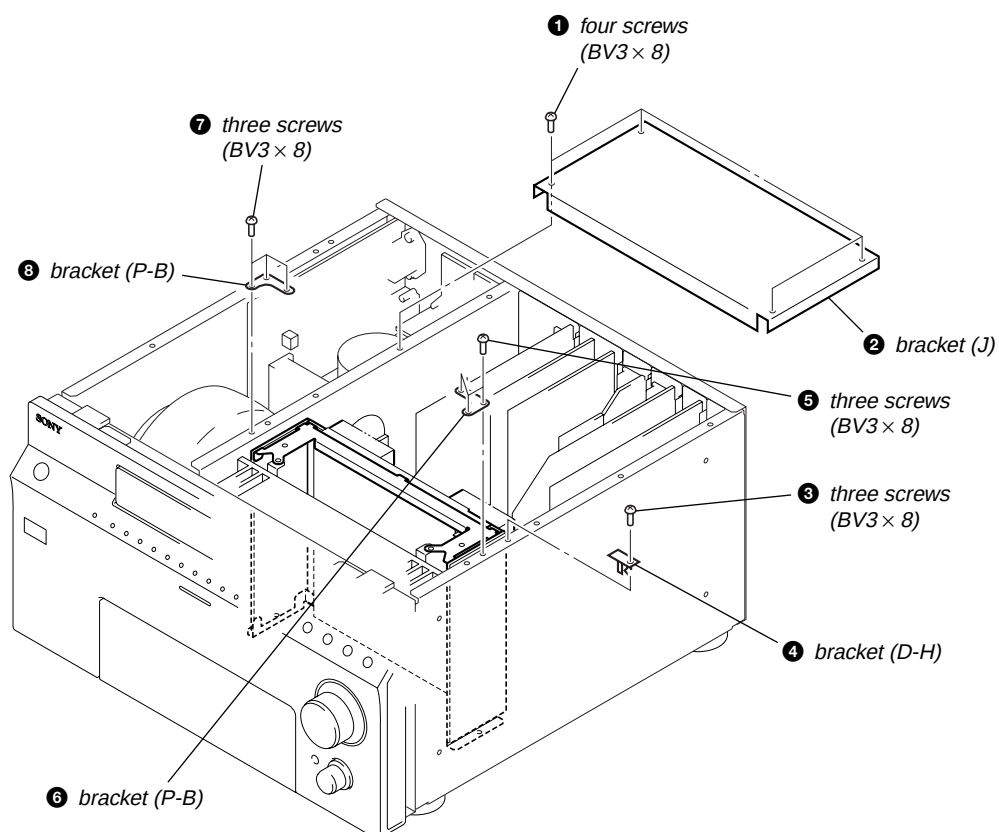


Note: Follow the disassembly procedure in the numerical order given.

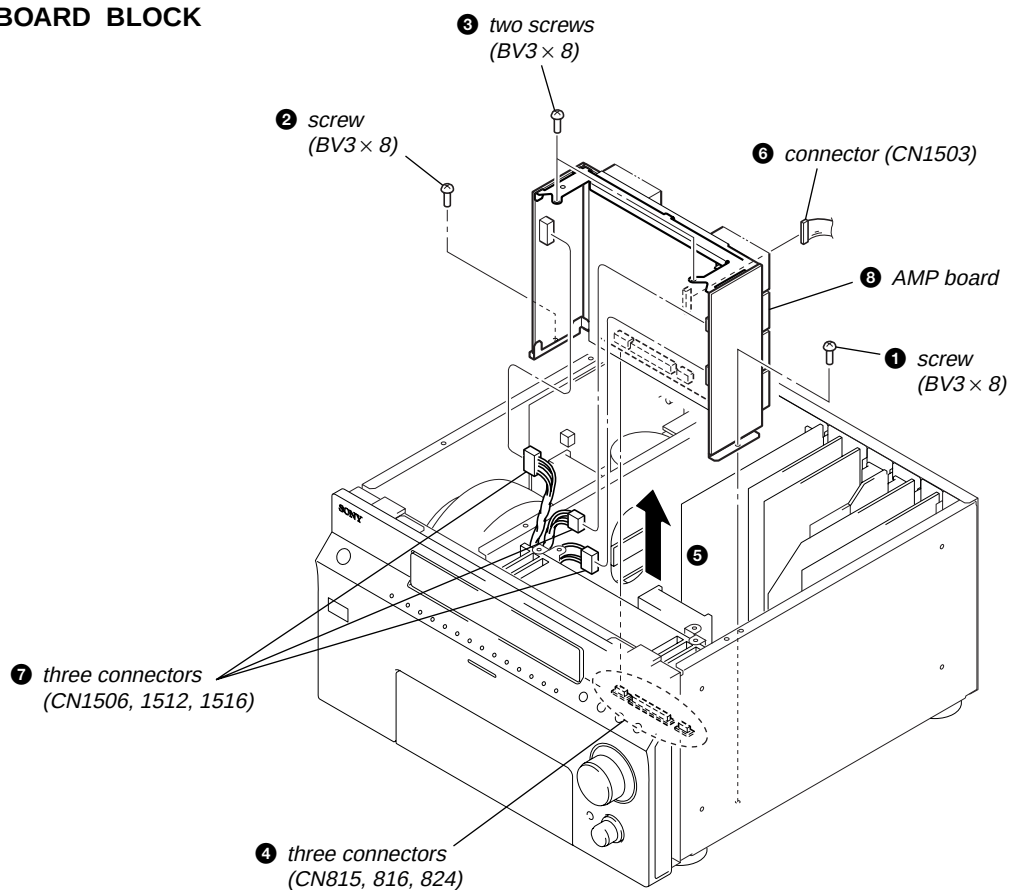
3-2. CASE (TOP)/(SIDE-L)/(SIDE-R)



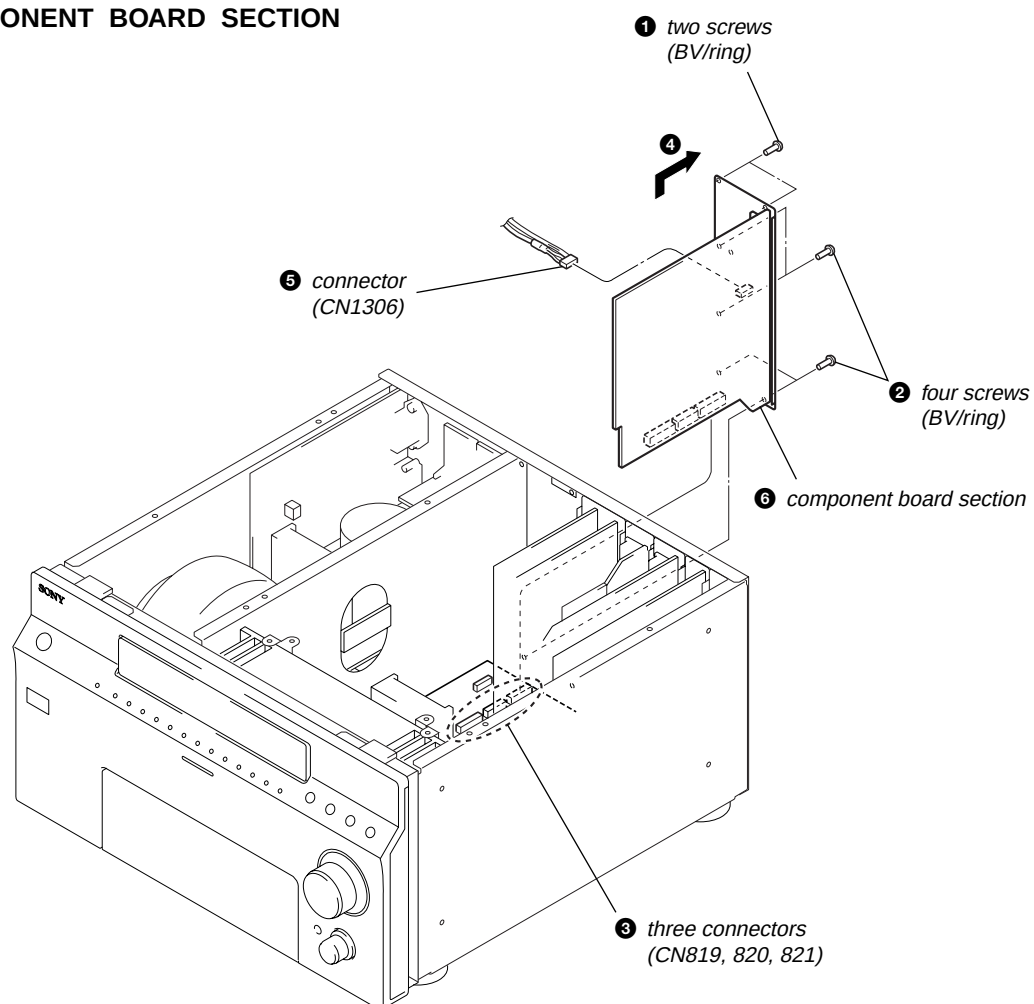
3-3. BRACKET (J)/(P-B)



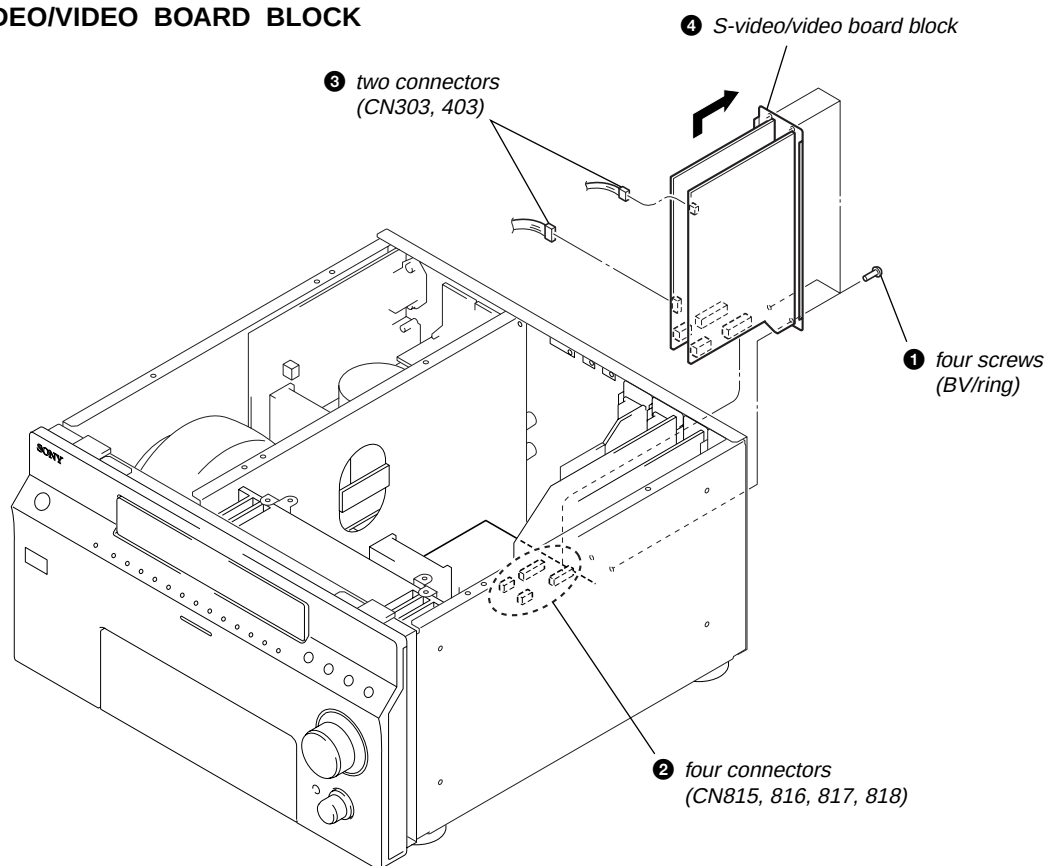
3-4. AMP BOARD BLOCK



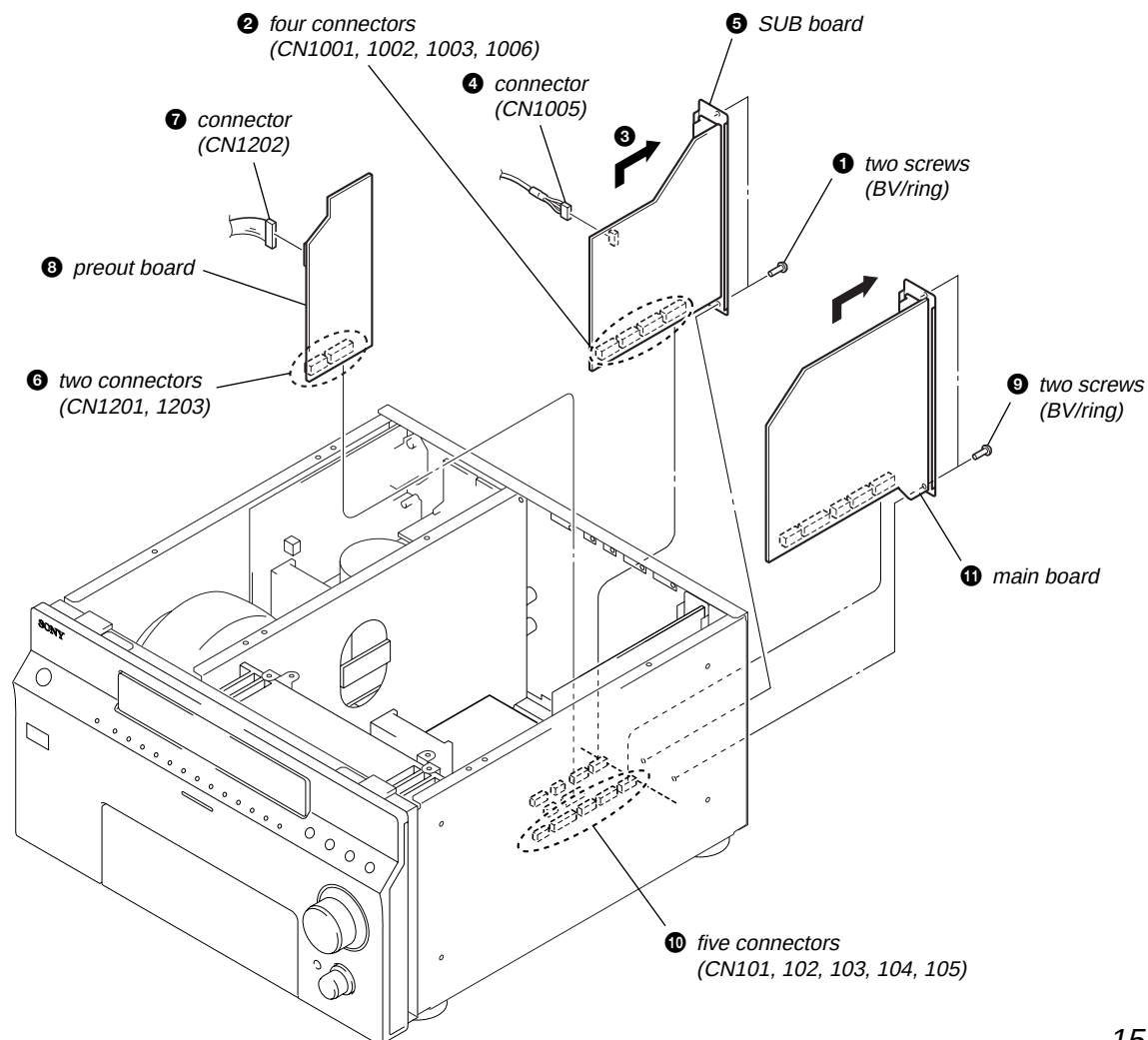
3-5. COMPONENT BOARD SECTION



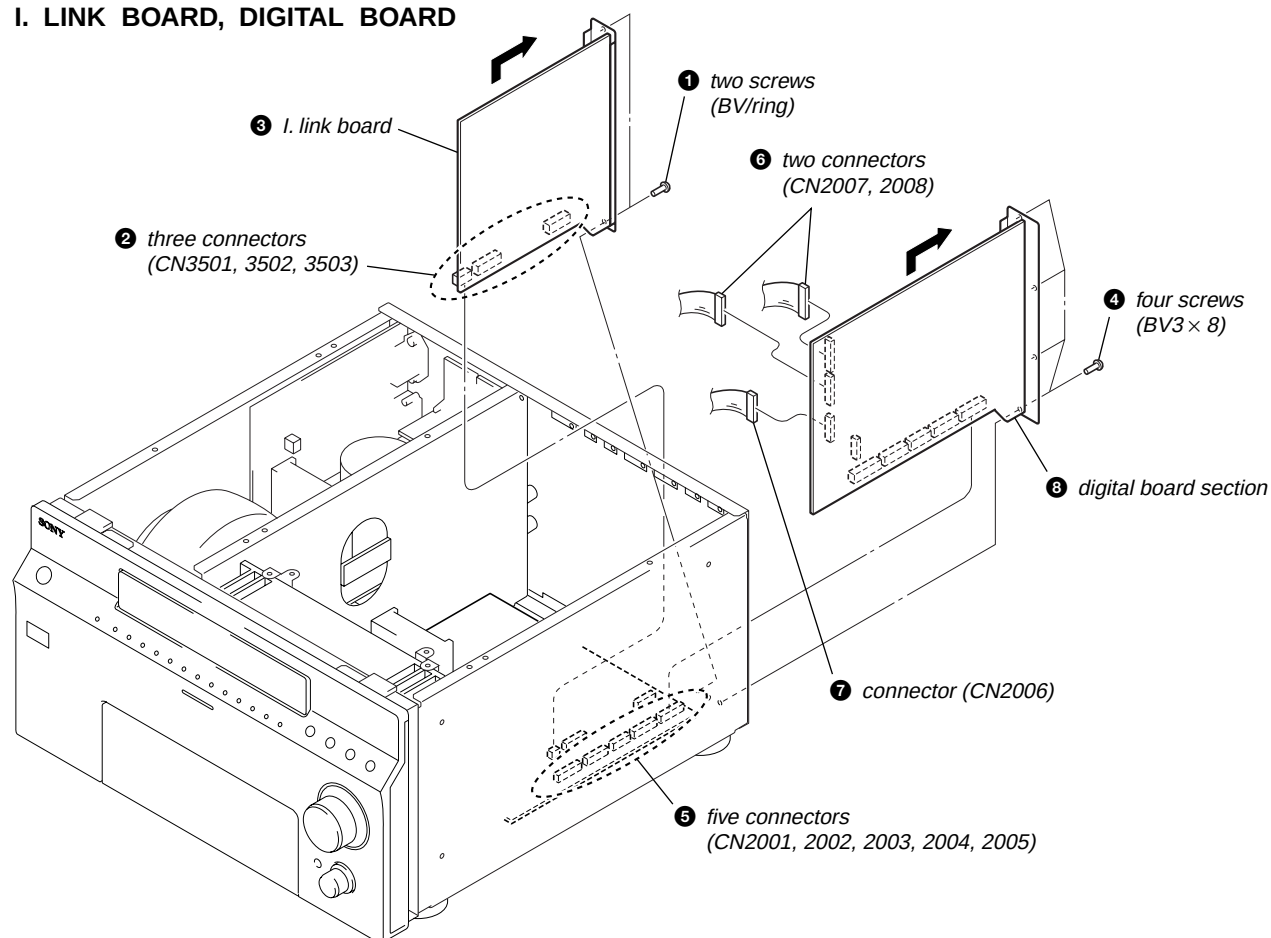
3-6. S-VIDEO/VIDEO BOARD BLOCK



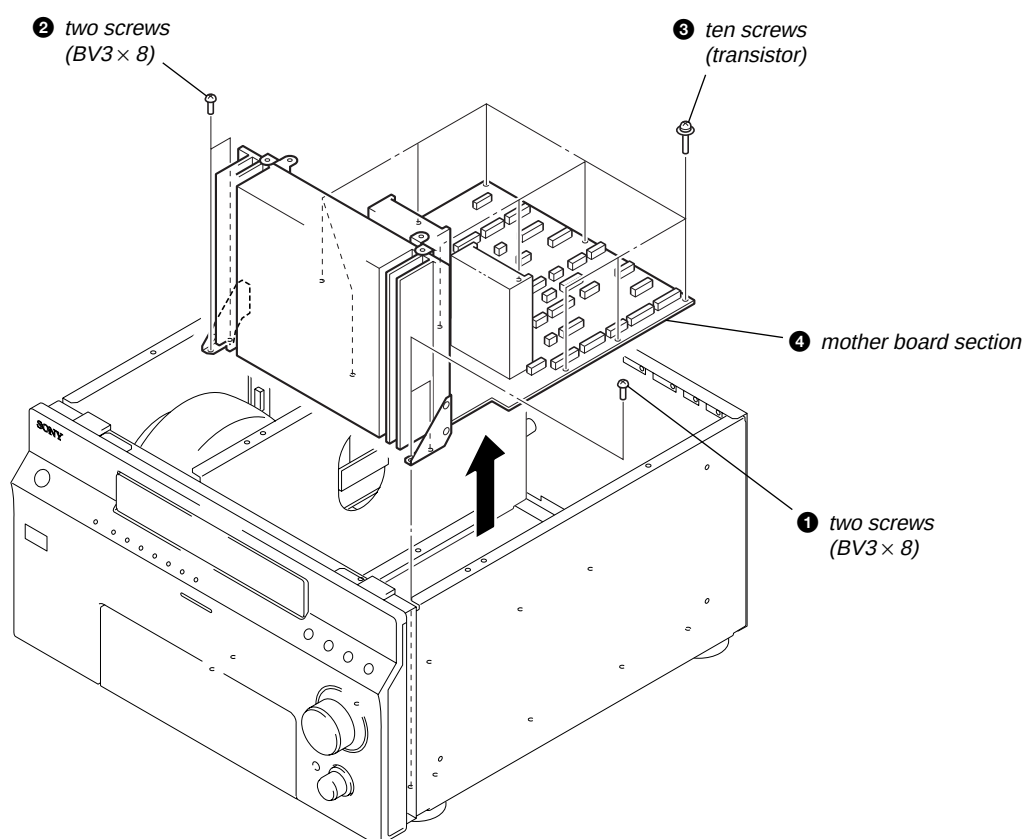
3-7. SUB BOARD, PREOUT BOARD, MAIN BOARD

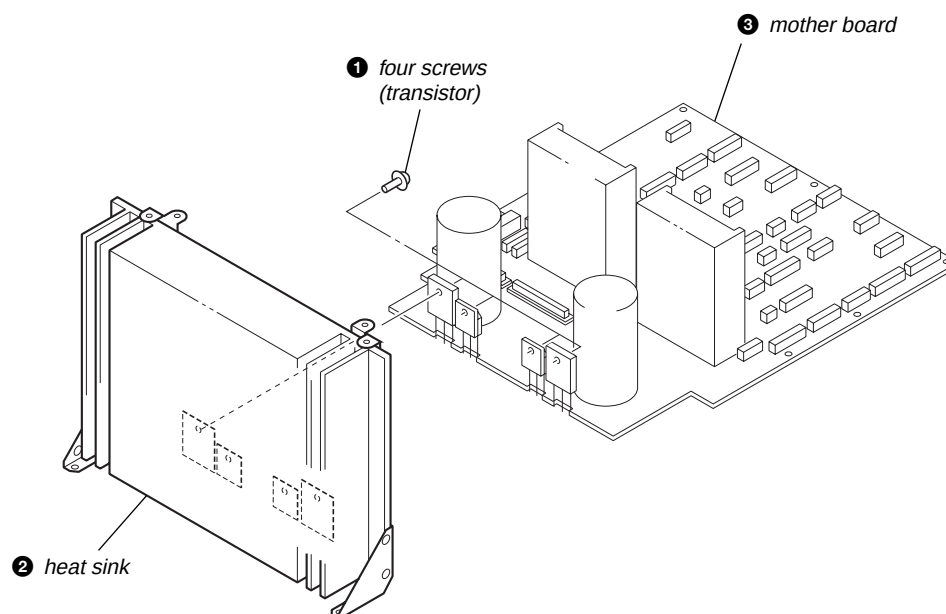


3-8. I. LINK BOARD, DIGITAL BOARD



3-9. MOTHER BOARD SECTION



3-10. MOTHER BOARD

SECTION 4 TEST MODE

TUNER FACTORY PRESET MODE

All preset contents are reset to the default setting.

Procedure:

1. While pressing the **[SURR BACK DECODING]** and **[SLEEP]** buttons, press the **[I/⏻]** button to turn on the main power.
2. The message "FACTORY PRESET" appears and the present contents are reset to the default values.

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 **[INPUT MODE]** and **[ENTER]** buttons, press the **[I/⏻]** 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.

SWAP MODE

Procedure:

1. While pressing the **[2CH]** and **[ENTER]** buttons, press the **[I/⏻]** button to turn on the main power.
2. The message "SWAP MODE !" appears.
3. Press the **[DISPLAY]** button.
4. The message "-35.5dB" appears. (Volume level is "MID")
5. Press the **[DISPLAY]** button once again.
6. The message "+22.0dB" appears. (Volume level is "MAX")
7. Press the **[DISPLAY]** button once again.
8. The message "-oodB" appears. (Volume level is "MIN")

FLUORESCENT INDICATOR TUBE PATTERN CHECK MODE

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While pressing the **[DISPLAY]** and **[ENTER]** buttons, press the **[I/⏻]** button to turn on the main power.
2. All segments and all LEDs turn on.

SOUND FIELD INITIALIZE MODE

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the **[MUSIC]** button, press the **[I/⏻]** button to turn on the main power.
2. The message "S. F. Initialize" appears and initialization is performed.

COMMAND MODE CHANGE MODE

The command mode of the remote-commander which this set receives can be changed.

Procedure:

1. While pressing the **[INPUT MODE]** button, press the **[I/⏻]** button to turn on the main power.
2. Either the message "COMMAND MODE [AV1]" or "COMMAND MODE [AV2]" appears. Select the desired mode.

SF LOCK ON/OFF CHANGE MODE

Procedure:

1. While pressing the **[MUSIC]** and **[ENTER]** buttons, press the **[I/⏻]** button to turn on the main power.
2. Either the message "SF LOCK [OFF]" or "SF LOCK [ON]" appears.

OPERATION CHECK OF i. LINK TERMINAL

Connect the set to a unit equipped with the i. LINK terminal to check if the communication can be made correctly. By this operation check, a loose connection of the connector or a disconnection of the i. LINK cable can be confirmed.

Procedure:

1. Press the **[I/⏻]** button to turn on the power, and rotate the **[INPUT SELECTOR]** knob to set the function to the "i. LINK" so that the "No LINC" is displayed.
2. Turn on the power of the unit equipped with the i. LINK terminal.
3. Connect the set to the unit equipped with the i. LINK terminal using the i. LINK cable.
At this time, check that "i. LINK CONNECTING" is displayed on the set.
4. After the display of "i. LINK CONNECTING", check that the equipment information is displayed.
5. Moving the i. LINK cable with the i. LINK connection maintained, check that the "i. LINK CONNECTING" is not displayed.

If nothing is displayed in step 3 and 4, or if "i. LINK CONNECTING" is displayed continuously, the i. LINK cable will be disconnected or the connector connection will be loose.

If "i. LINK CONNECTING" is displayed in step 5 though the cable is not removed, the i. LINK cable will be disconnected or the connector connection will be loose.

SPECIAL MENU MODE

Procedure:

1. Press the  button to turn on the main power, then while pressing the **[ENTER]** button, press the **[MUSIC]**, **[DIRECT]**, **[MOVIE]** button in order.
2. The message “MENU SPECIALIZED !” appears.
3. Each time the **[MENU]** dial is turned clockwise, the item is switched in order as follows.
4. To release from this mode, while pressing the **[ENTER]** button, press the **[MUSIC]**, **[DIRECT]**, **[MOVIE]** button in order again.
5. The message “MENU SPECIALIZED OFF” appears.

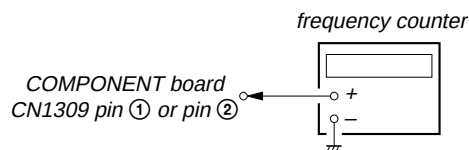
Items	Display	Remark
Version display	SPECIAL in the main microprocessor	###: destination,*.**: main microprocessor software version A9ES ### v*.** XXXX XXXX: Sum value of flash memory
Distinatin change	SPECIAL	****: destination, XX: at or fx (switching with ) MODEL [AE9S ****]XX
FL display fonts test	SPECIAL	Not used for the servicing FL FONT 0x** = [X]
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	SPECIAL SWAP [XXXXXXXXXXXX]	Switching with 
DSP reset	SPECIAL DSP RESET [XXX]	XXX: ON or OFF (switching with )
DSP 1 IRAM	DSP 1 IRAM	Not used for the servicing I [*****]= XXXX
DSP 1 ARAM	DSP 1 ARAM	Not used for the servicing D [*****]= XXXXXXXX
DSP 2 IRAM	DSP 2 IRAM	Not used for the servicing I [*****]= XXXX
DSP 2 ARAM	DSP 2 ARAM	Not used for the servicing D [*****]= XXXXXXXX
DSP 2 ARAM	DSP 2 ARAM	Not used for the servicing D [*****]= XXXXXXXX
1st bass gain	SPECIAL	Not used for the servicing 1st BASS GAIN X.XdB
1st bass frequency	SPECIAL	Not used for the servicing 1st BASS FREQ XXXHz
2nd bass gain	SPECIAL	Not used for the servicing 2nd BASS GAIN X.XdB
2nd bass frequency	SPECIAL	Not used for the servicing 2nd BASS FREQ XXHz
Bass select	SPECIAL	Not used for the servicing BASS SELECT [1st or 2nd]
Bass management	SPECIAL BASS MAN. [****] XX	Not used for the servicing
DSP boot error	SPECIAL	Not used for the servicing DSP BOOT ERROR:XXX
DSP write 1 error	SPECIAL	Not used for the servicing DSP WRT1 ERROR:XXX
DSP write 2 error	SPECIAL	Not used for the servicing DSP WRT2 ERROR:XXX
DSP write 3 error	SPECIAL	Not used for the servicing DSP WRT3 ERROR:XXX
DSP read 1 error	SPECIAL	Not used for the servicing DSP RAD1 ERROR:XXX
DSP read 2 error	SPECIAL	Not used for the servicing DSP RAD2 ERROR:XXX
DSP read 3 error	SPECIAL	Not used for the servicing DSP RAD3 ERROR:XXX
DSP HALT	SPECIAL	XXX: ON or OFF (switching with )

Items	Display	Remark
DSP HALT	SPECIAL DSP HALT [XXX]	XXX: ON or OFF (switching with $\boxed{-/+}$ dial)
DSP Version display	SPECIAL	XXX: DSP version DSP Ver 1:vXXX,2:vXXX
Volume value display (FL/FR)	SPECIAL FL ***** FR XXXX	*****: Front L-ch volume value, XXXX: Front R-ch volume value
Volume value display (SL/SR)	SPECIAL SL ***** SR XXXX	*****: Surround L-ch volume value, XXXX: Surround R-ch volume value
Volume value display	SPECIAL (CT/SW)	*****: Center volume value, CT ***** SW XXXX XXXX: Volume value display
Volume value display (SBL/SBR)	SPECIAL SBL ***** SBR XXXX	*****: Surround back L-ch volume value, XXXX: Surround back R-ch volume value
EEPROM debug	SPECIAL EEPROM [*****] XX	Not used for the servicing
Super reset	SPECIAL 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 “memory clearing mode” (see page 18)
2nd volume value display	SPECIAL 2nd VOLUME –XX	XX: 2nd zone volume value (00 to ∞) (switching with $\boxed{-/+}$ dial)
3rd volume value display	SPECIAL 3RD VOLUME –XX	XX: 3rd zone volume value (00 to ∞) (switching with $\boxed{-/+}$ dial)
FL display duty change	SPECIAL DARK OUT DUTY [XXX%]	XXX: Duty value of FL display (0% to 100%) (switching with $\boxed{-/+}$ dial)
SDRAM check	SPECIAL SDRAM CHECK [XXXXX]	Check the operation of LIP SYNC XXXXX: PASS (OK) or ERROR (NG)
Error count display	SPECIAL SCOM ERROR COUNT XXX	Not used for the servicing
Version display	SPECIAL Sub Micom Ver. X.XX	XXX: sub microprocessor software version
958 hats off	SPECIAL 958 HATS OFF [SPDIF or PCM]	Not used for the servicing
I.link test mode	SPECIAL i.LINK TEST MODE IN?	Not used for the servicing
YUV Y DRIVE	SPECIAL YUV Y DRIVE [XX]	Not used for the servicing
YUV U DRIVE	SPECIAL YUV U DRIVE [XX]	Not used for the servicing
YUV V DRIVE	SPECIAL YUV V DRIVE [XX]	Not used for the servicing
Analog direct	SPECIAL ANALOG DIRECT [2Fs or 4FS]	Not used for the servicing

SECTION 5 ELECTRICAL ADJUSTMENTS

OSD ADJUSTMENT

Connection

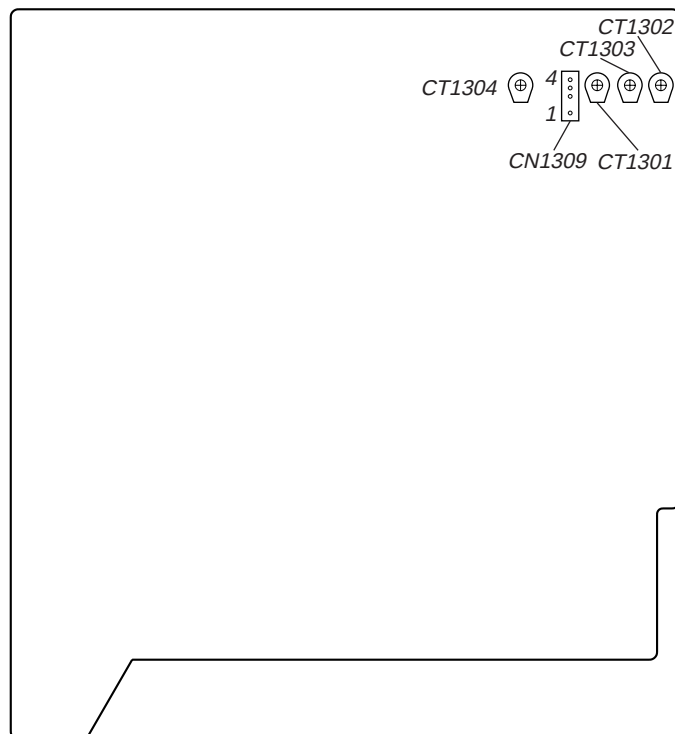


1. Connect a frequency counter to the CN1309 pin ① on the COMPONENT board.
2. Press the **I/⏻** button to turn on the main power.
3. Perform the MEMORY CREATING MODE. (See page 17)
4. Press the **ON SCREEN** button on the remote commander (RM-LJ312) to display "ON SCREEN [ON]".
5. Turn the **MAIN MENU** dial to display "<< CUSTOMIZE >>".
6. Turn the **MENU** dial to display "COLOR SYSTEM".
7. Turn the **-/+** dial to select PAL.
8. Adjust the CT1304 so that the frequency counter reading is 7.20 MHz.
9. Connect a frequency counter to the CN1309 pin ② on the COMPONENT board.
10. Adjust the CT1302 so that the frequency counter reading is 4.433618 MHz $\pm$ 50 Hz.
11. Turn the **-/+** dial to select NTSC.
12. Adjust the CT1303 (AEP and UK models) or CT1301 (Taiwan and Korean models) so that the frequency counter reading is 3.579545 MHz $\pm$ 50 Hz.

Note: The steps 5 to 7, 10 and 11 should be performed to AEP and UK models.

Adjustment and Connection Location:

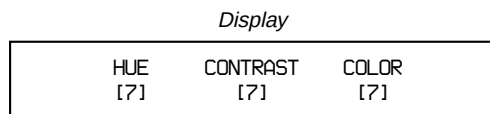
– COMPONENT BOARD (Component Side) –



UP CONVERT SIGNAL LEVEL ADJUSTMENT

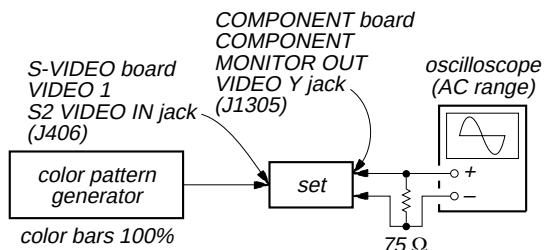
Enter the test mode

1. While pressing the **[INPUT MODE]** and **[DISPLAY]** buttons, press the **[I/PS]** button to turn on the main power.
2. It enters the test mode, and display as below figure.



1. Y LEVEL ADJUSTMENT

Setting:



Procedure:

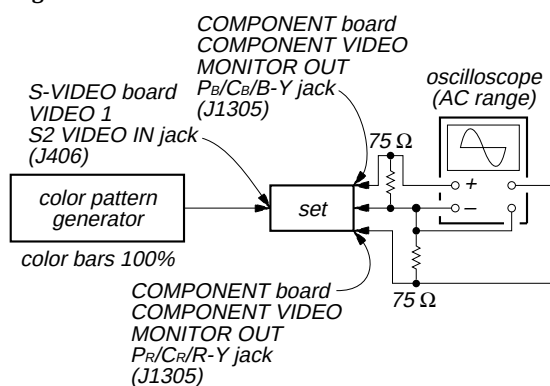
1. Connect a color pattern generator to the VIDEO 1 S2 VIDEO IN jack (J406) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO MONITOR OUT Y jack (J1305) on the COMPONENT board. (75Ω terminated)
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Adjust the **[MENU]** dial so that the Vp-p value of waveform becomes 1 Vp-p.

Y waveform:



2. COLOR LEVEL ADJUSTMENT

Setting:



Procedure:

1. Connect a color pattern generator to the VIDEO 1 S2 VIDEO IN jack (J406) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO Pb/Cb/B-Y jack and COMPONENT VIDEO Pr/Cr/R-Y jack (J1305) on the COMPONENT board. (75Ω terminated)
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Display two waveforms of C_B and C_R simultaneously.
5. Adjust the **[-/+]** dial so that the Vp-p value of waveforms of C_B and C_R both may be most set to 0.7V closely.

C_B waveform:

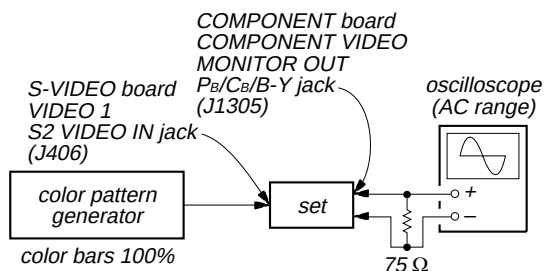


C_R waveform:



3. HUE LEVEL ADJUSTMENT

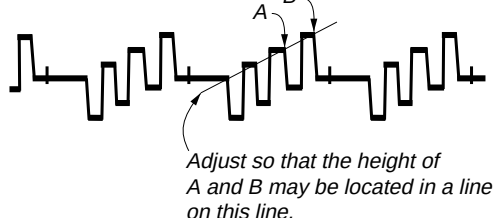
Setting:



Procedure:

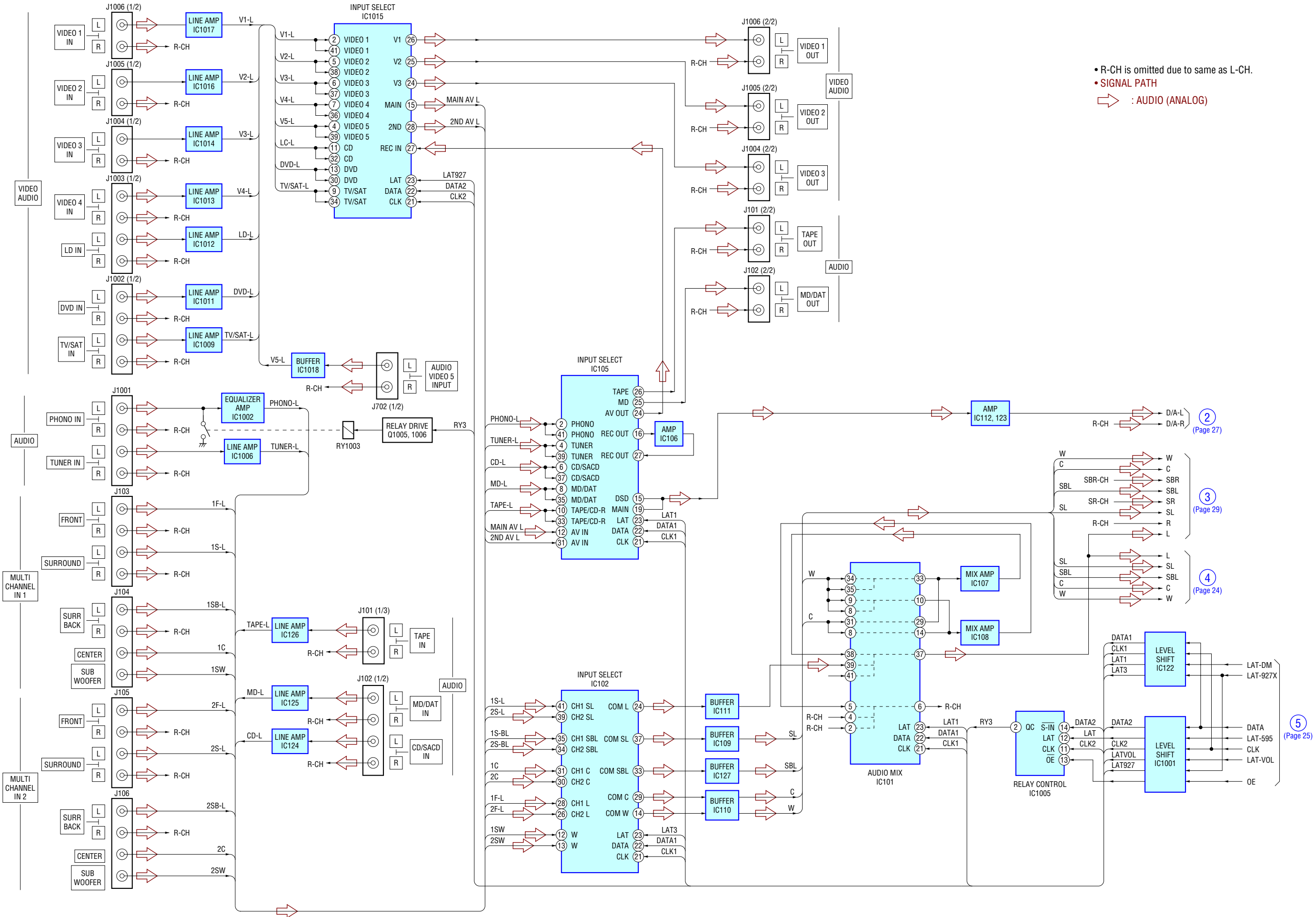
1. Connect a color pattern generator to the VIDEO 1 S2 VIDEO IN jack (J406) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO Pb/Cb/B-Y jack on the COMPONENT board. (75Ω terminated)
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Adjust the **[MAIN MENU]** dial so that the waveform as bellow.

C_B waveform:

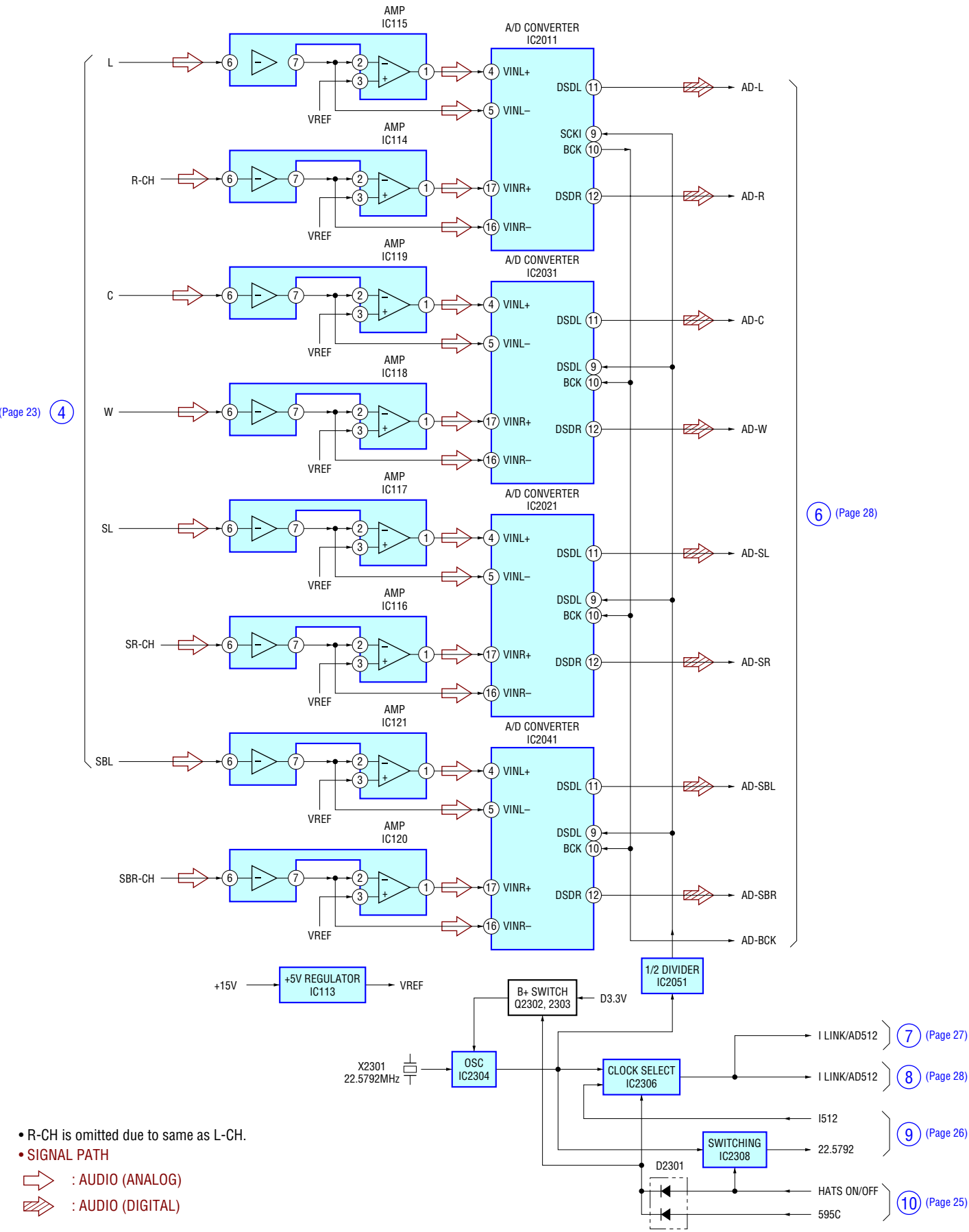


SECTION 6
DIAGRAMS

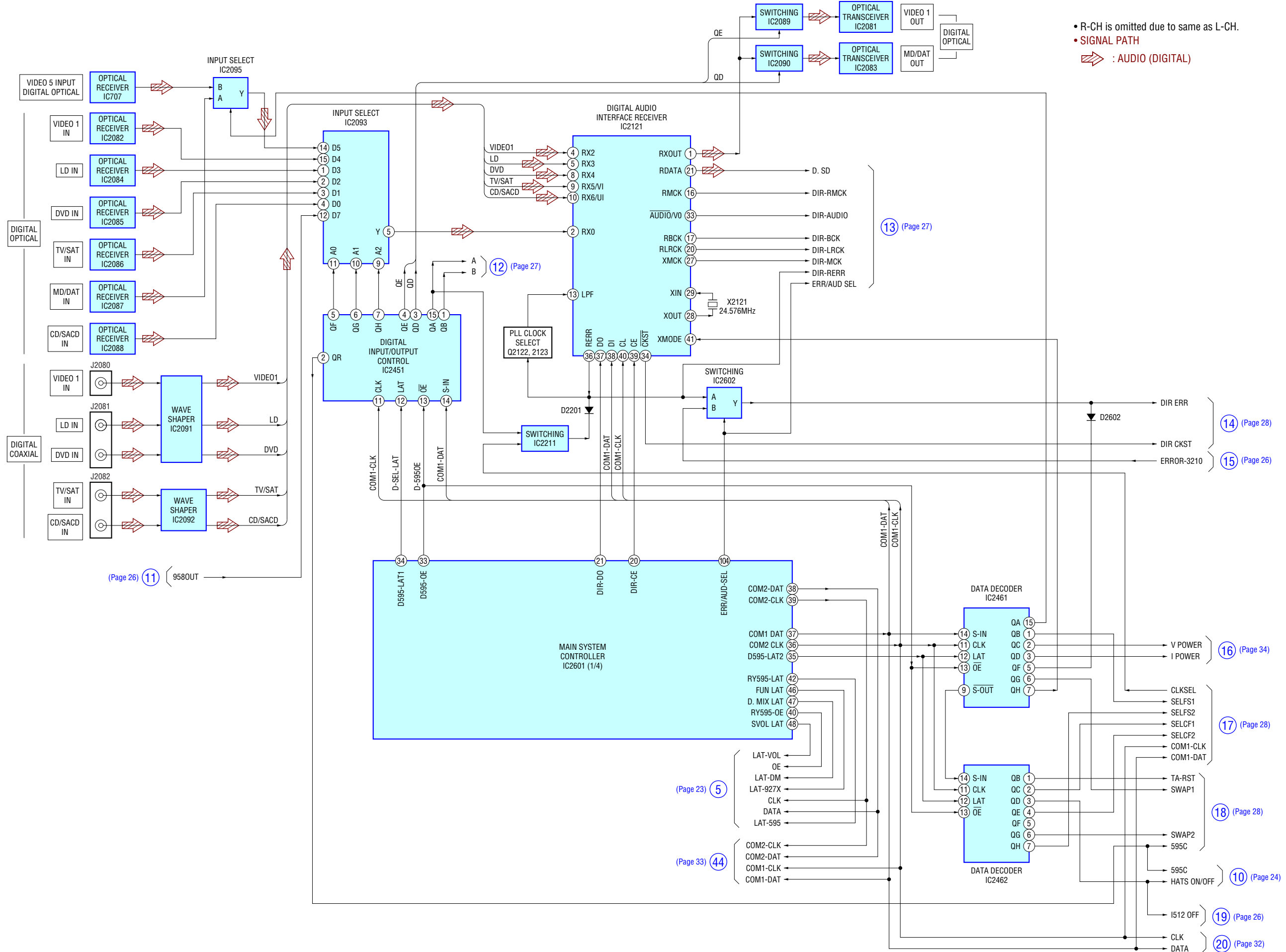
6-1. BLOCK DIAGRAM – AUDIO INPUT Section –



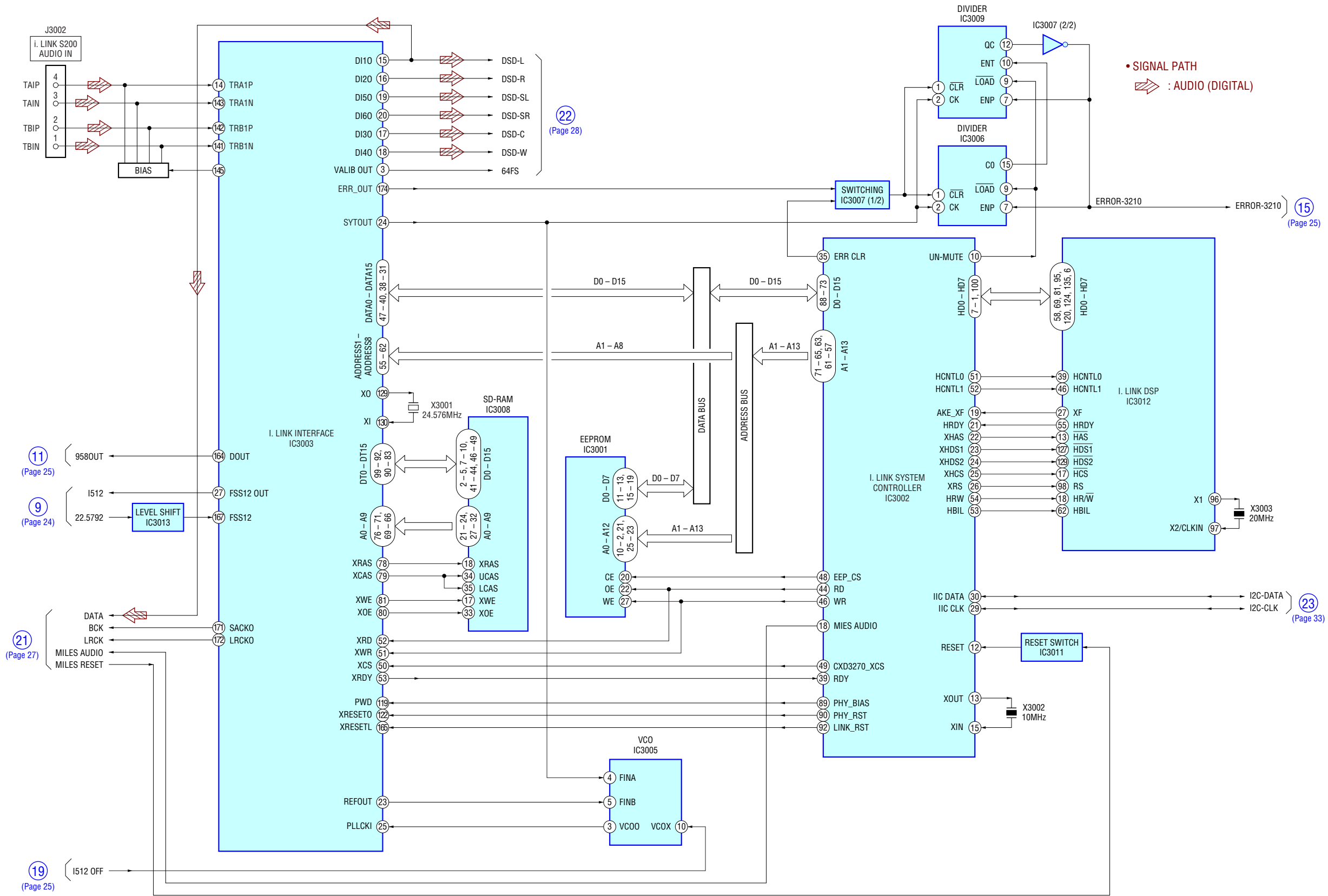
6-2. BLOCK DIAGRAM – A/D CONVERTER Section –



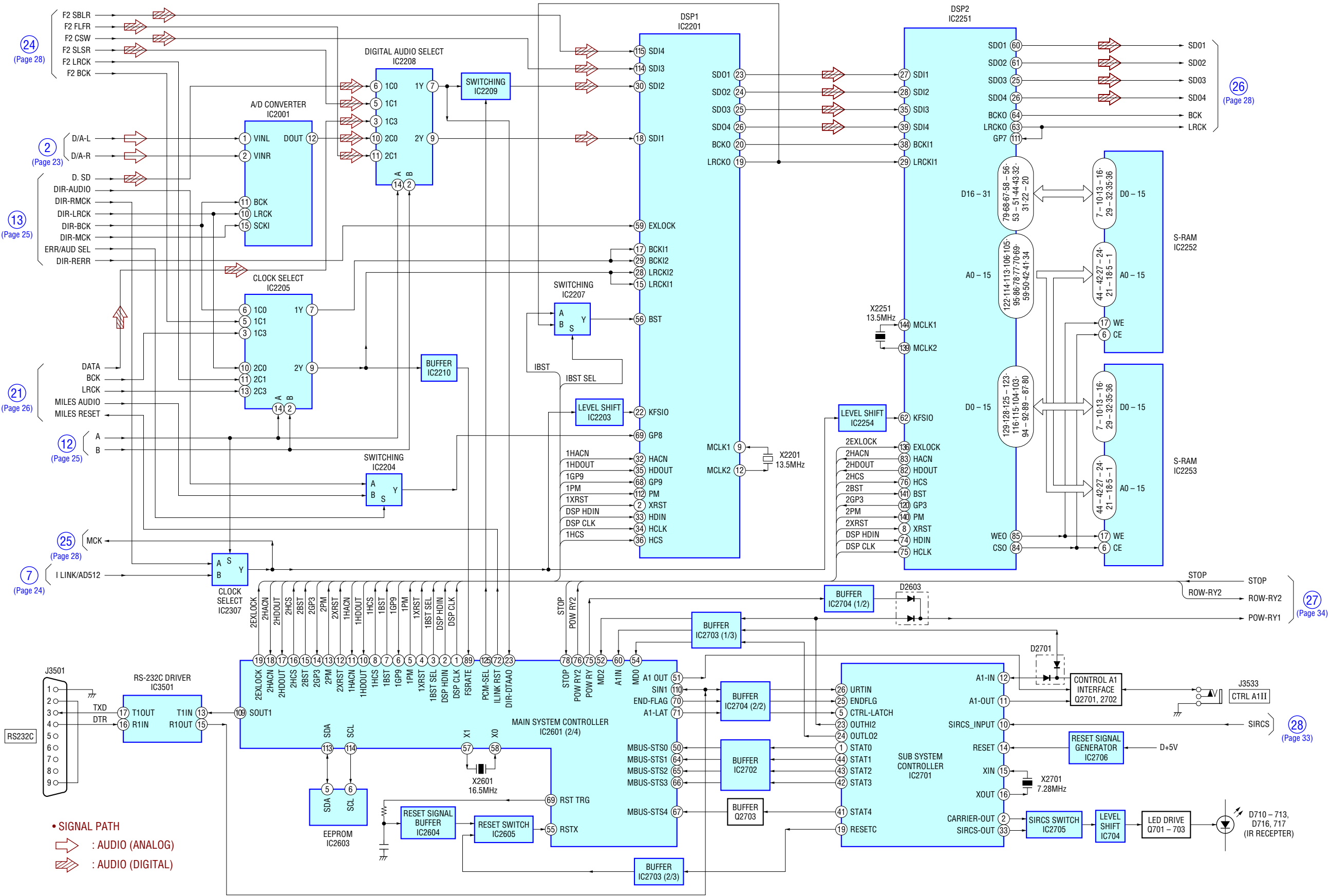
6-3. BLOCK DIAGRAM – DIGITAL INPUT Section –



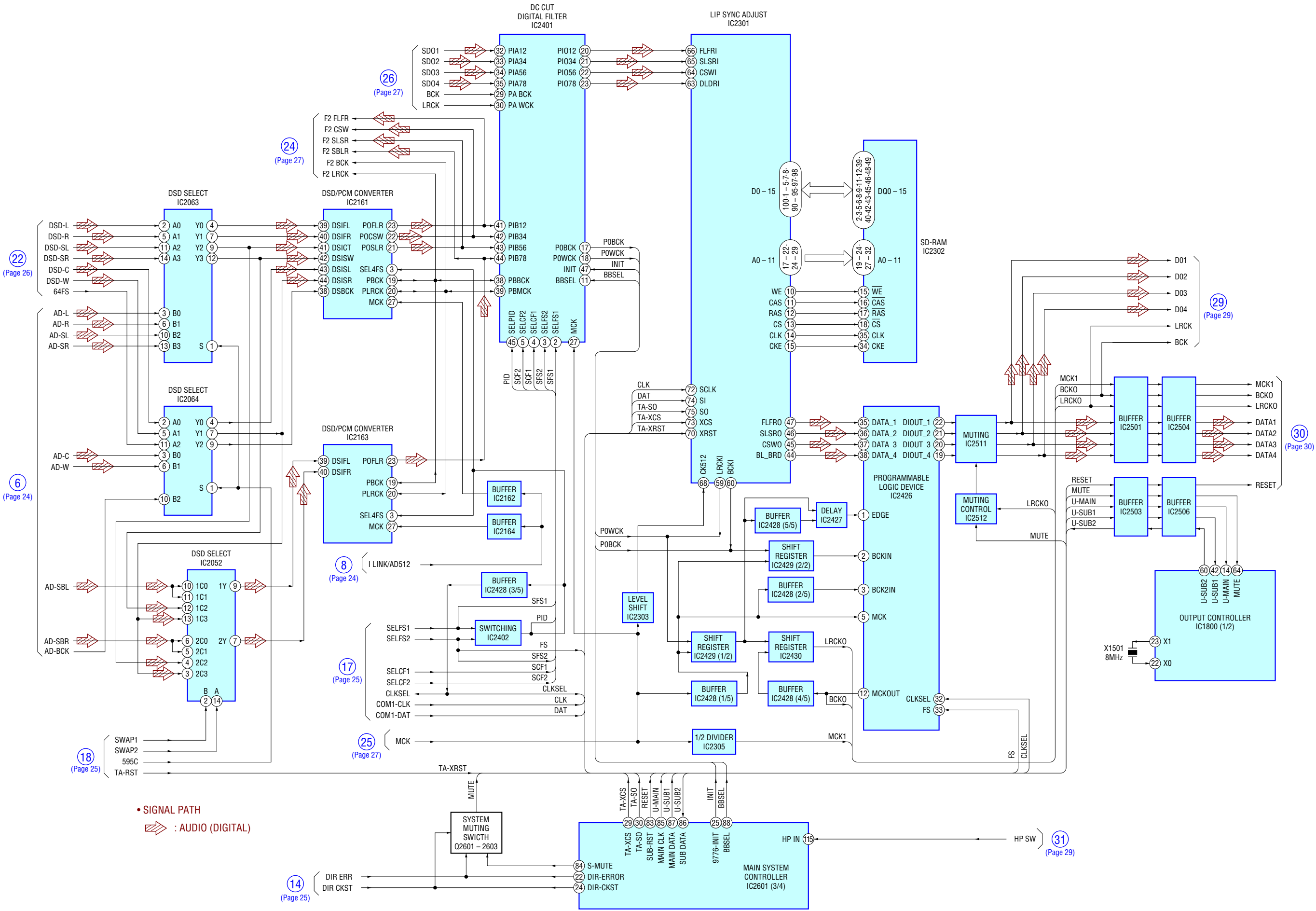
6-4. BLOCK DIAGRAM – I. LINK Section –



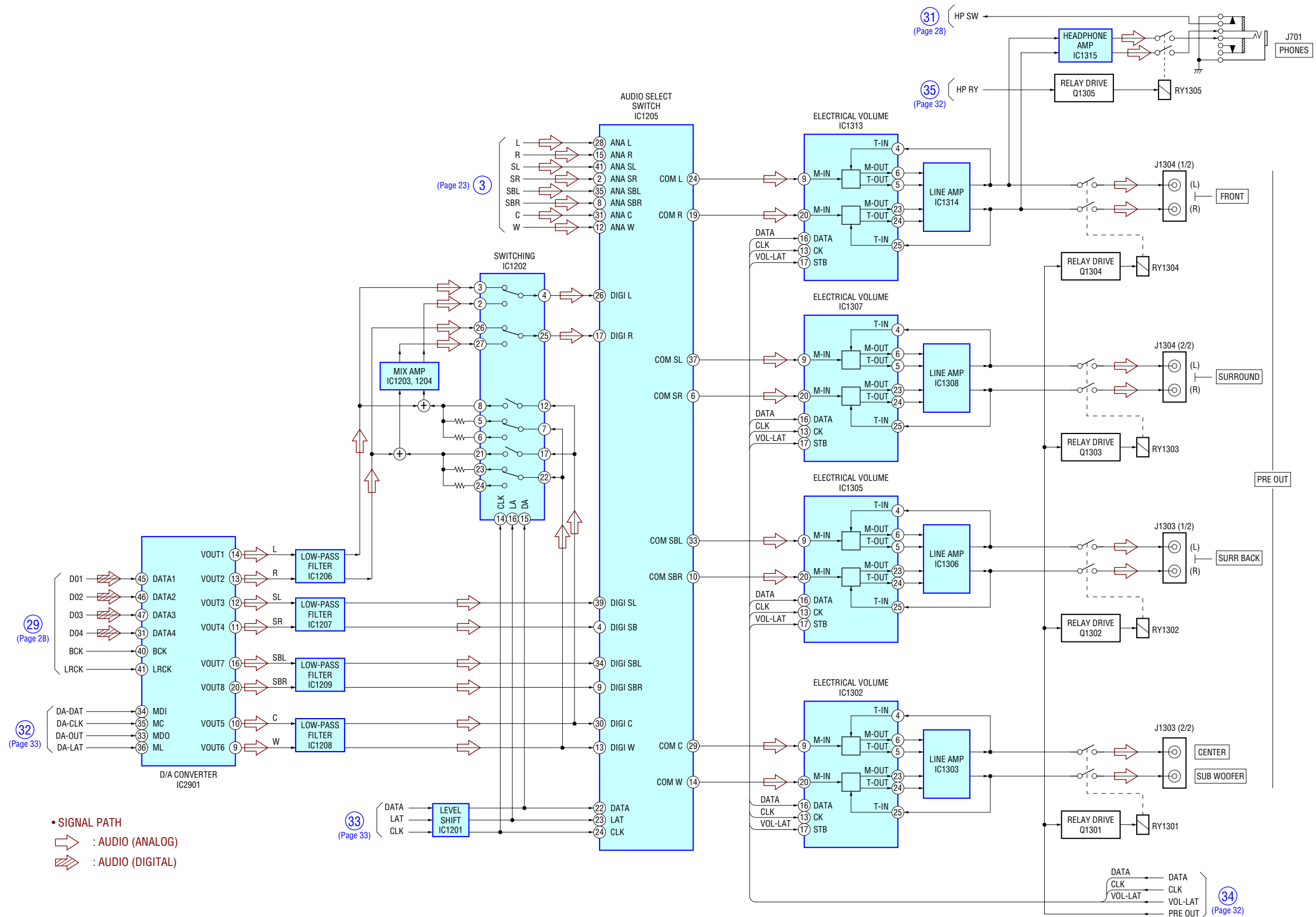
6-5. BLOCK DIAGRAM - DSP Section -



6-6. BLOCK DIAGRAM – DIGITAL AUDIO Section –



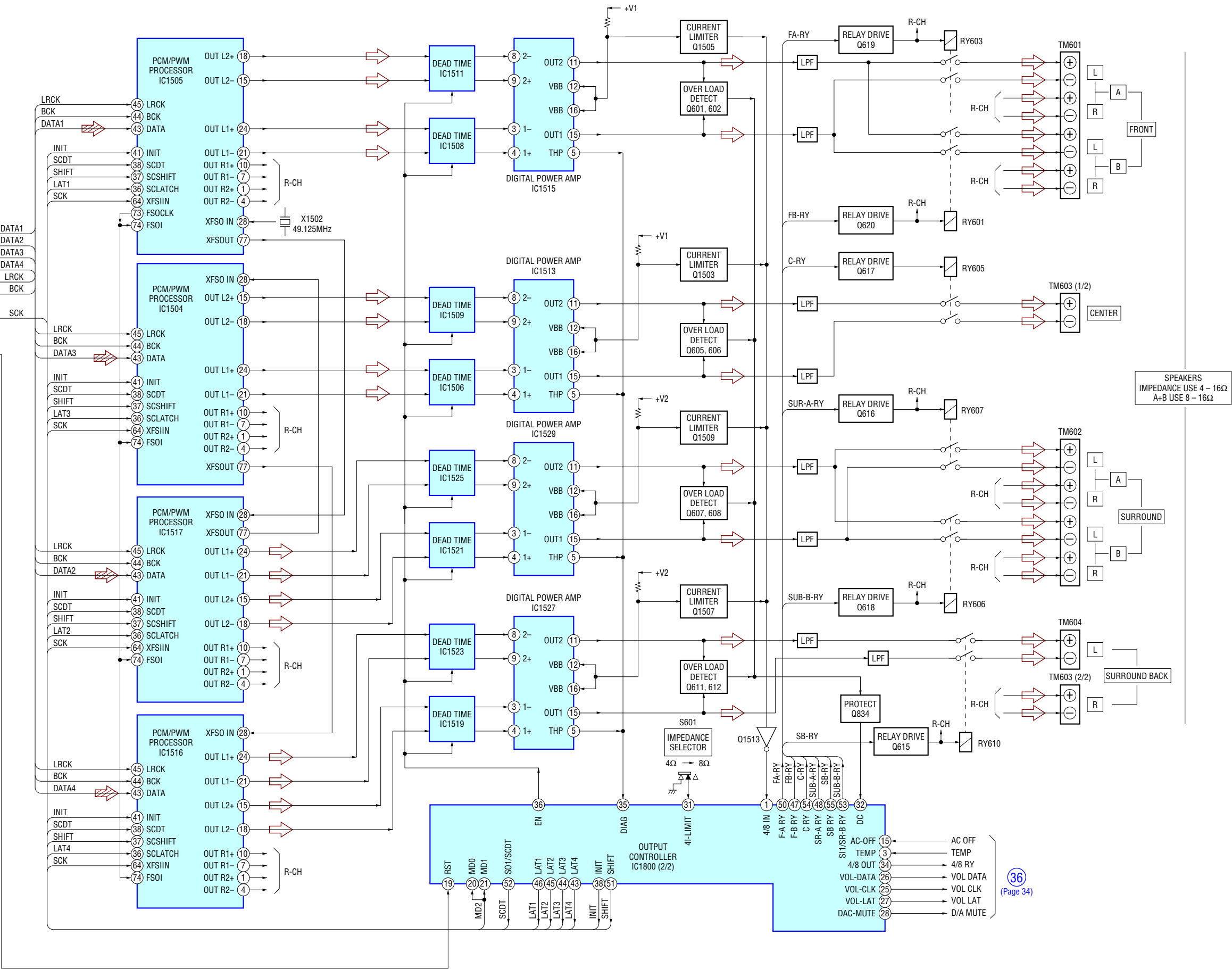
6-7. BLOCK DIAGRAM – AUDIO OUTPUT Section –



6-8. BLOCK DIAGRAM – POWER AMP Section –

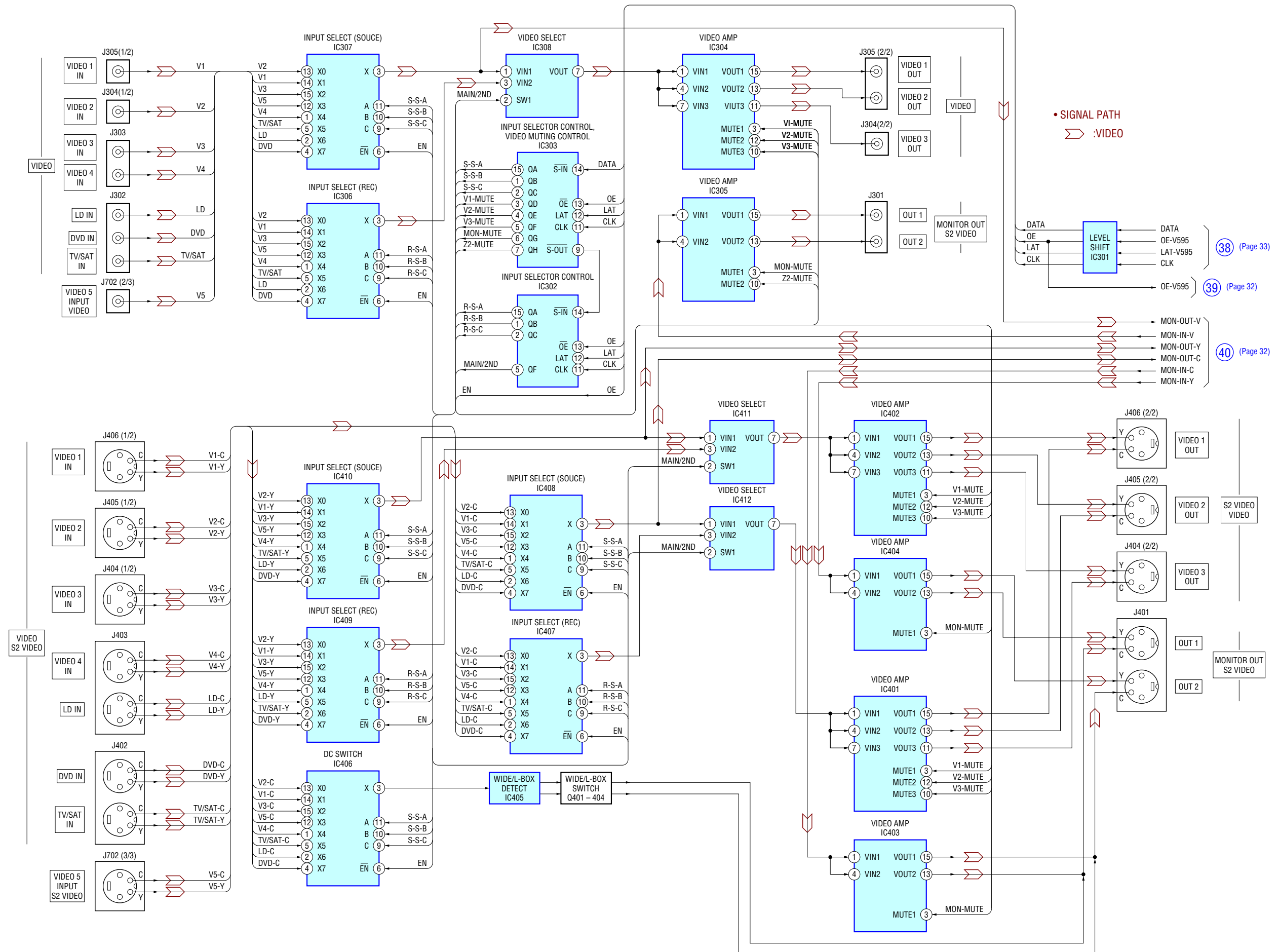
(Page 28) 30

- R-CH is omitted due to same as L-CH.
- SIGNAL PATH
- ➡ : AUDIO (ANALOG)
- ➡➡ : AUDIO (DIGITAL)

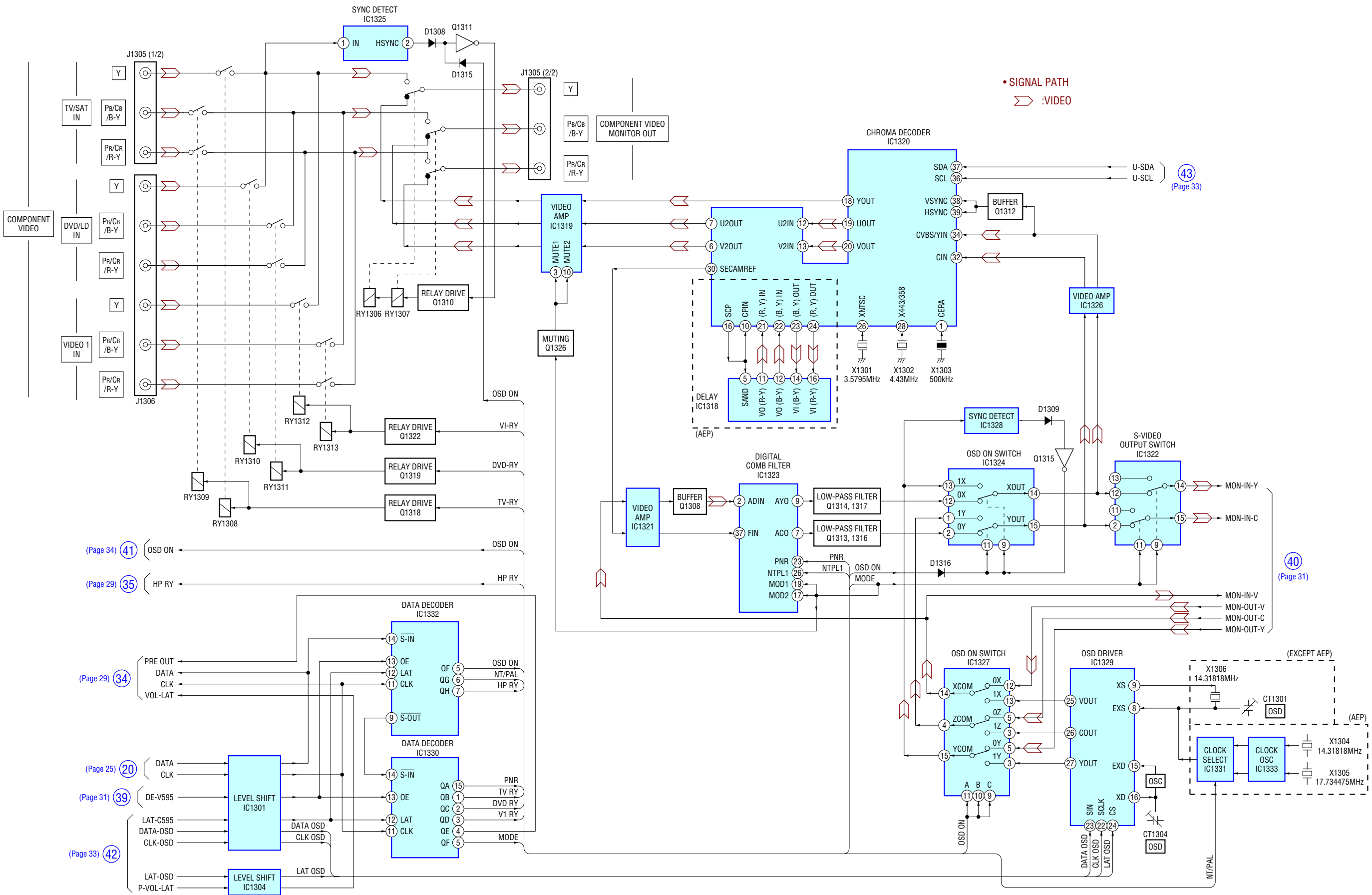


36
(Page 34)

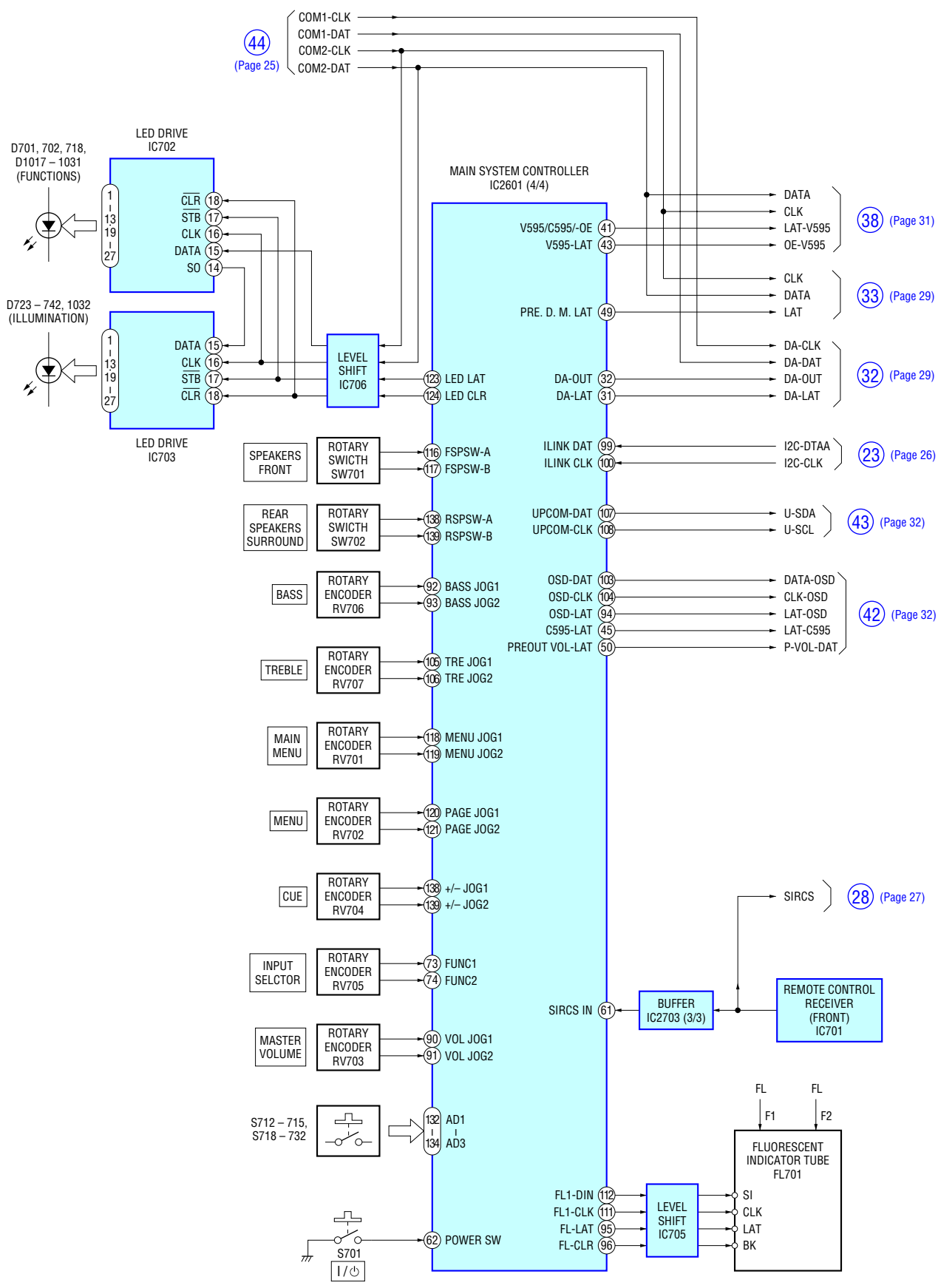
6-9. BLOCK DIAGRAM – VIDEO INPUT/OUT Section –



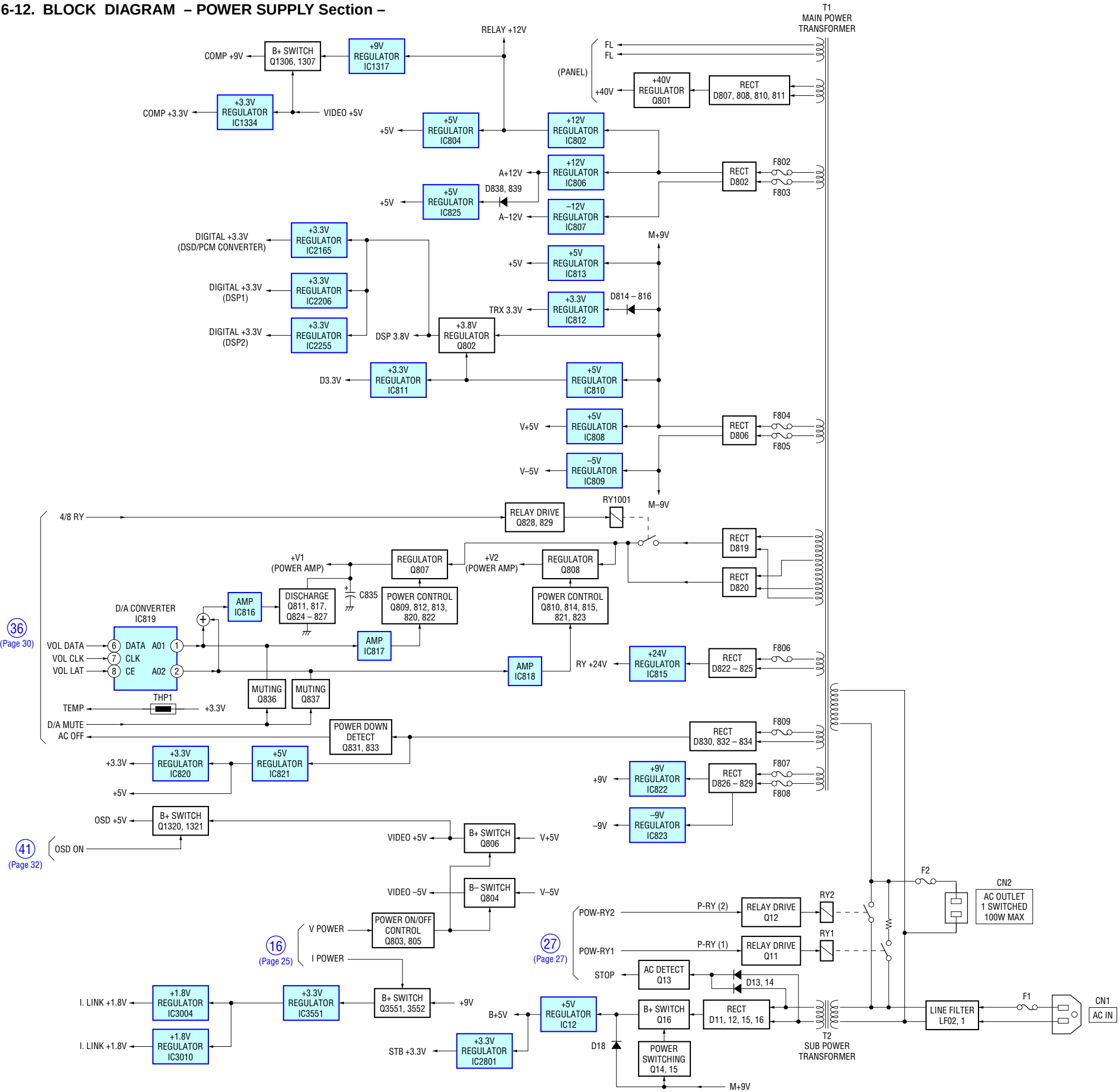
6-10. BLOCK DIAGRAM – COMPONENT VIDEO Section –



6-11. BLOCK DIAGRAM – DISPLAY/CONTROL Section –



6-12. BLOCK DIAGRAM – POWER SUPPLY Section –



6-13. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

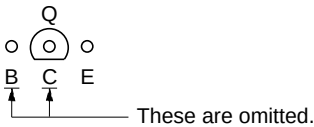
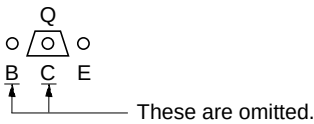
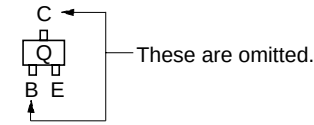
- — : parts extracted from the component side.
- : parts extracted from the conductor side.
- : parts mounted on the conductor side.
- : Through hole.
- △ : internal component.
- : Pattern from the side which enables seeing.

(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)

• Indication of transistor



• DIGITAL, AMP, FCOIL, RCOIL, I. LINK, F. VIDEO, IR and S. F boards are multi-layer printed board.
However, the patterns of intermediate layers have not been included in this diagrams.

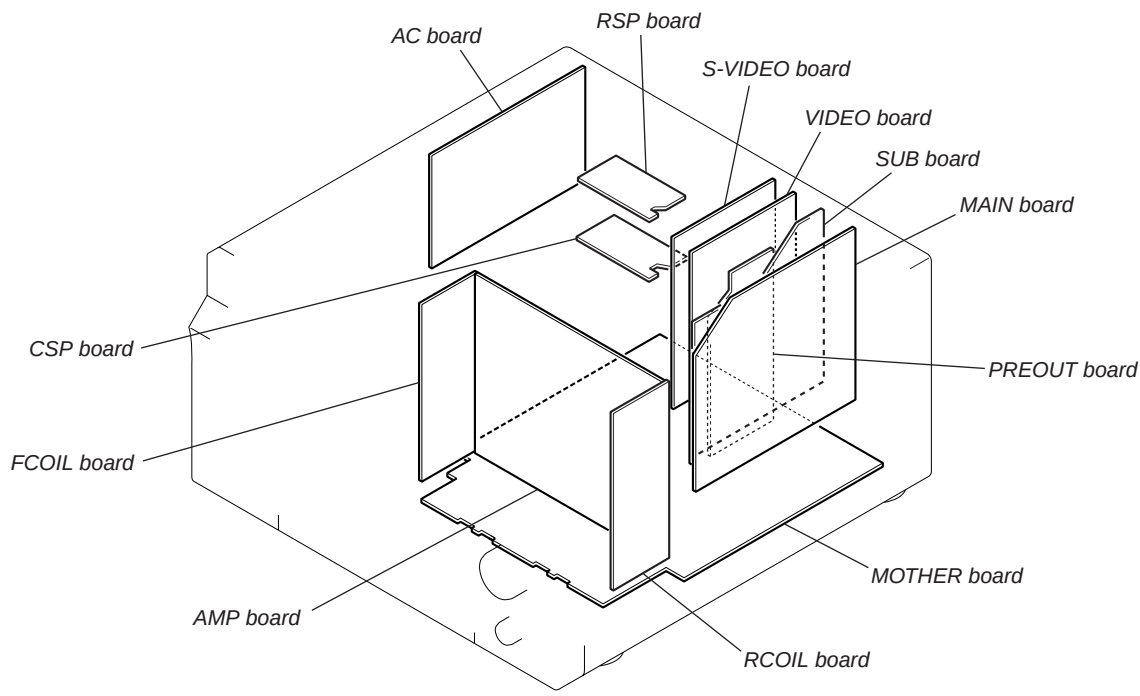
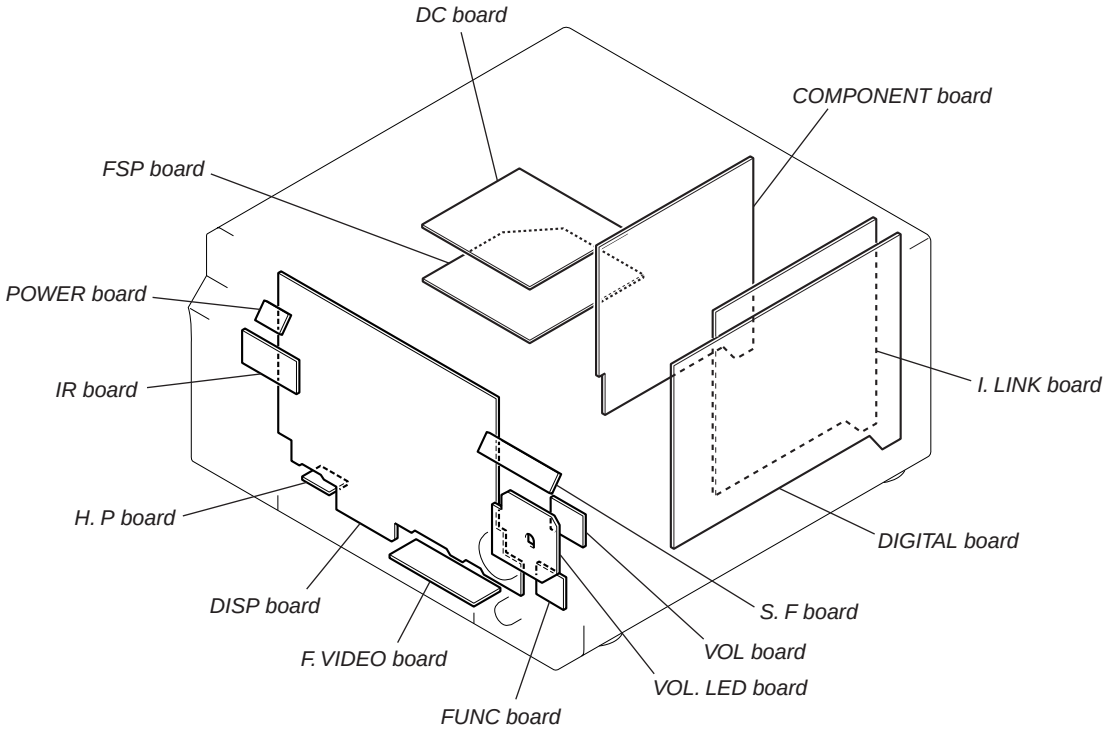
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$ 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.
- : adjustment for repair.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
no mark : TUNER
() : VIDEO 1 mode
- 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)
⇒ : VIDEO
- Abbreviation
KR : Korean model
TW : Taiwan model

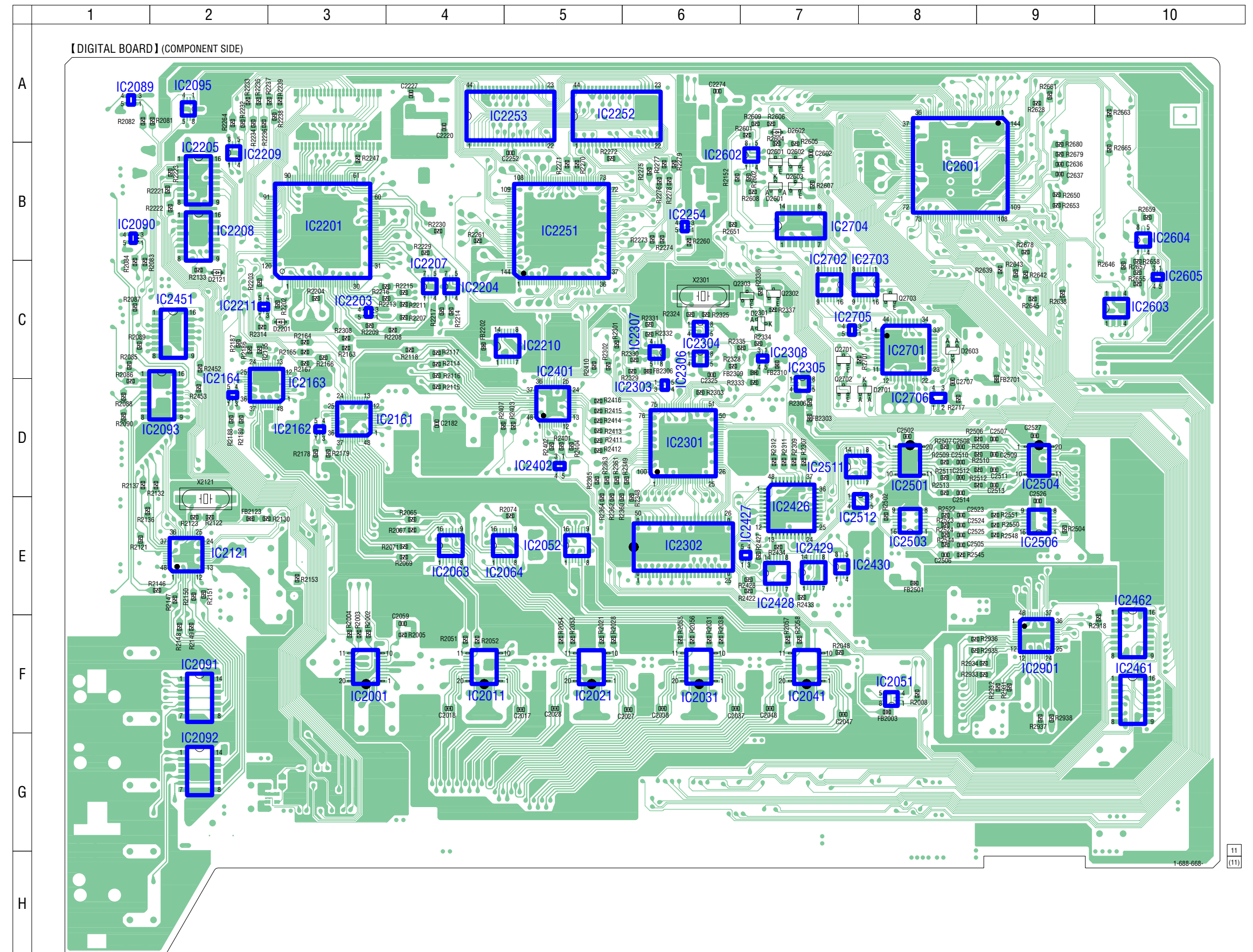
• Circuit Boards Location



6-14. PRINTED WIRING BOARD – DIGITAL Board (Component Side) – • See page 35 for Circuit Boards Location.  :Uses unleaded solder.

- **Semiconductor Location**

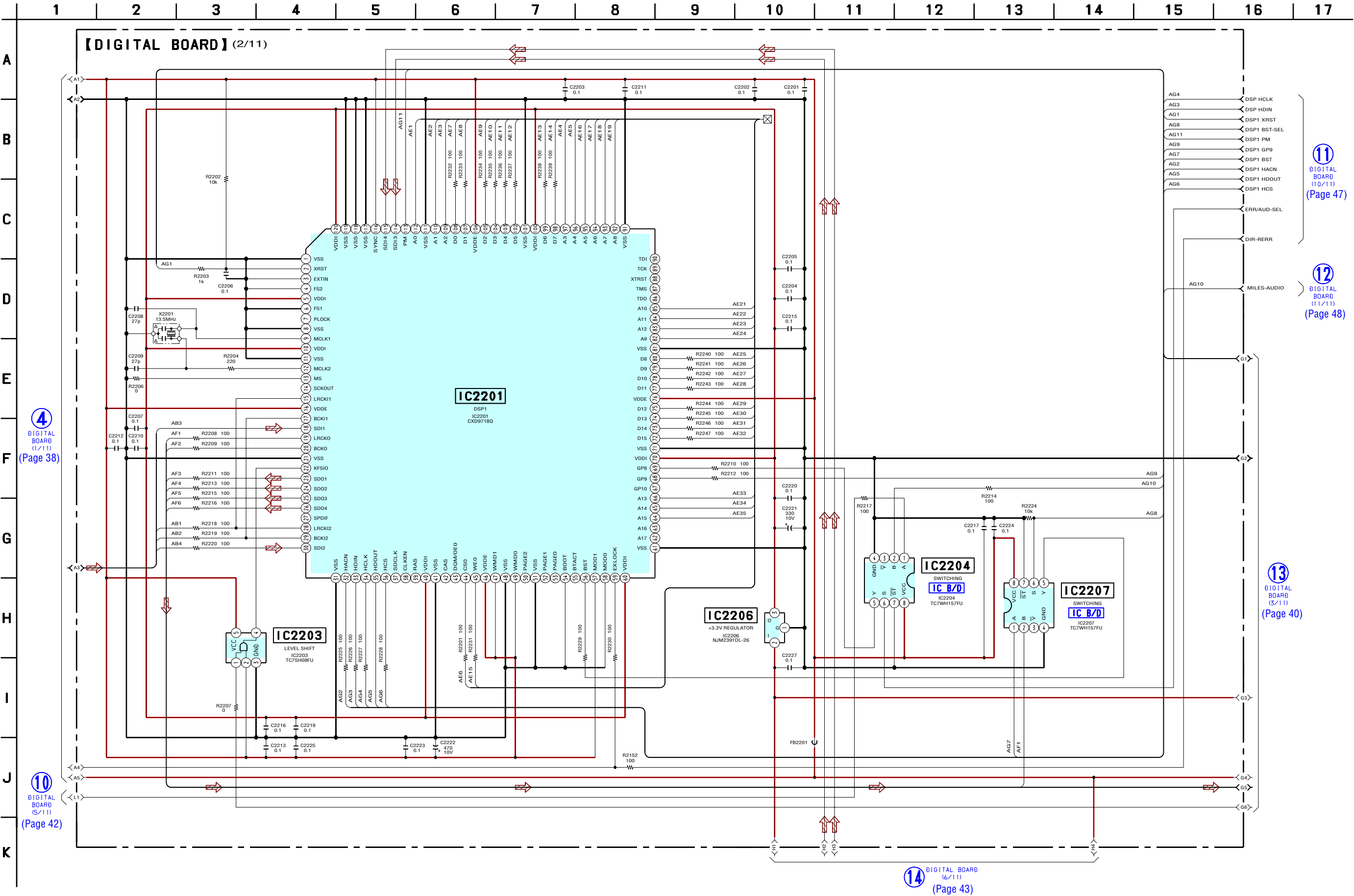
Ref. No.	Location	Ref. No.	Location
D2121	C-2	IC2303	D-6
D2201	C-3	IC2304	C-6
D2301	C-7	IC2305	D-7
D2601	B-7	IC2306	C-6
D2602	A-7	IC2307	C-6
D2603	C-8	IC2308	C-7
D2701	D-8	IC2401	D-5
		IC2402	D-5
IC2001	F-3	IC2426	E-7
IC2011	F-4	IC2427	E-7
IC2021	F-5	IC2428	E-7
IC2031	F-6	IC2429	E-7
IC2041	F-7	IC2430	E-7
IC2051	F-8	IC2451	C-2
IC2052	E-5	IC2461	F-10
IC2063	E-4	IC2462	F-10
IC2064	E-5	IC2501	D-8
IC2089	A-1	IC2503	E-8
IC2090	B-1	IC2504	D-9
IC2091	F-2	IC2506	E-9
IC2092	G-2	IC2511	D-7
IC2093	D-2	IC2512	E-8
IC2095	A-2	IC2601	B-8
IC2121	E-2	IC2602	B-7
IC2161	D-3	IC2603	C-10
IC2162	D-3	IC2604	B-10
IC2163	D-2	IC2605	C-10
IC2164	D-2	IC2701	C-8
IC2201	B-3	IC2702	C-7
IC2203	C-3	IC2703	C-8
IC2204	C-4	IC2704	B-7
IC2205	B-2	IC2705	C-7
IC2207	C-4	IC2706	D-8
IC2208	B-2	IC2901	F-9
IC2209	B-2		
IC2210	C-5	Q2302	C-7
IC2211	C-2	Q2303	C-7
IC2251	B-5	Q2601	B-7
IC2252	A-5	Q2602	B-7
IC2253	A-5	Q2603	B-7
IC2254	B-6	Q2701	C-7
IC2301	D-6	Q2702	D-7
IC2302	E-6	Q2703	C-8



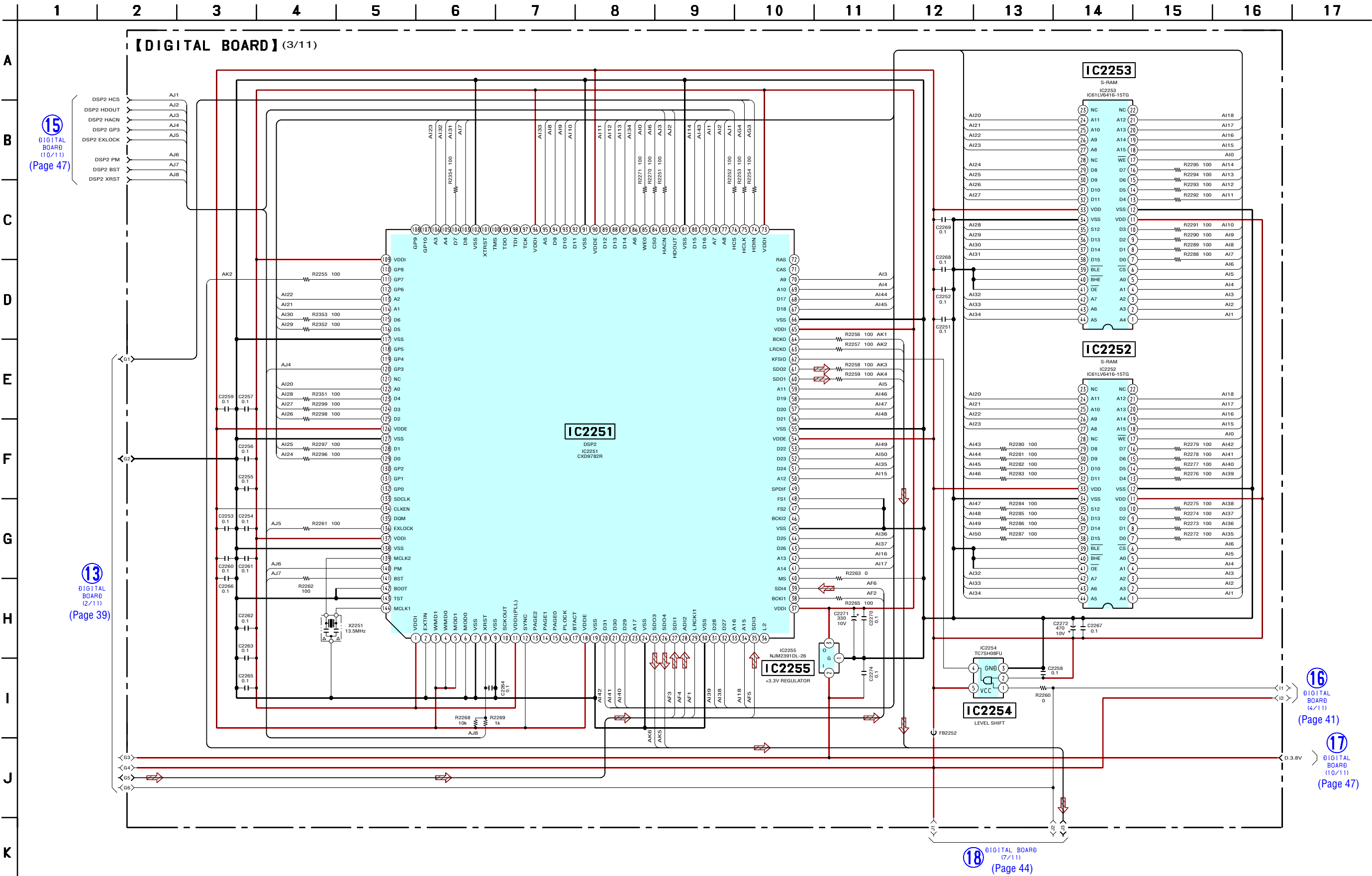




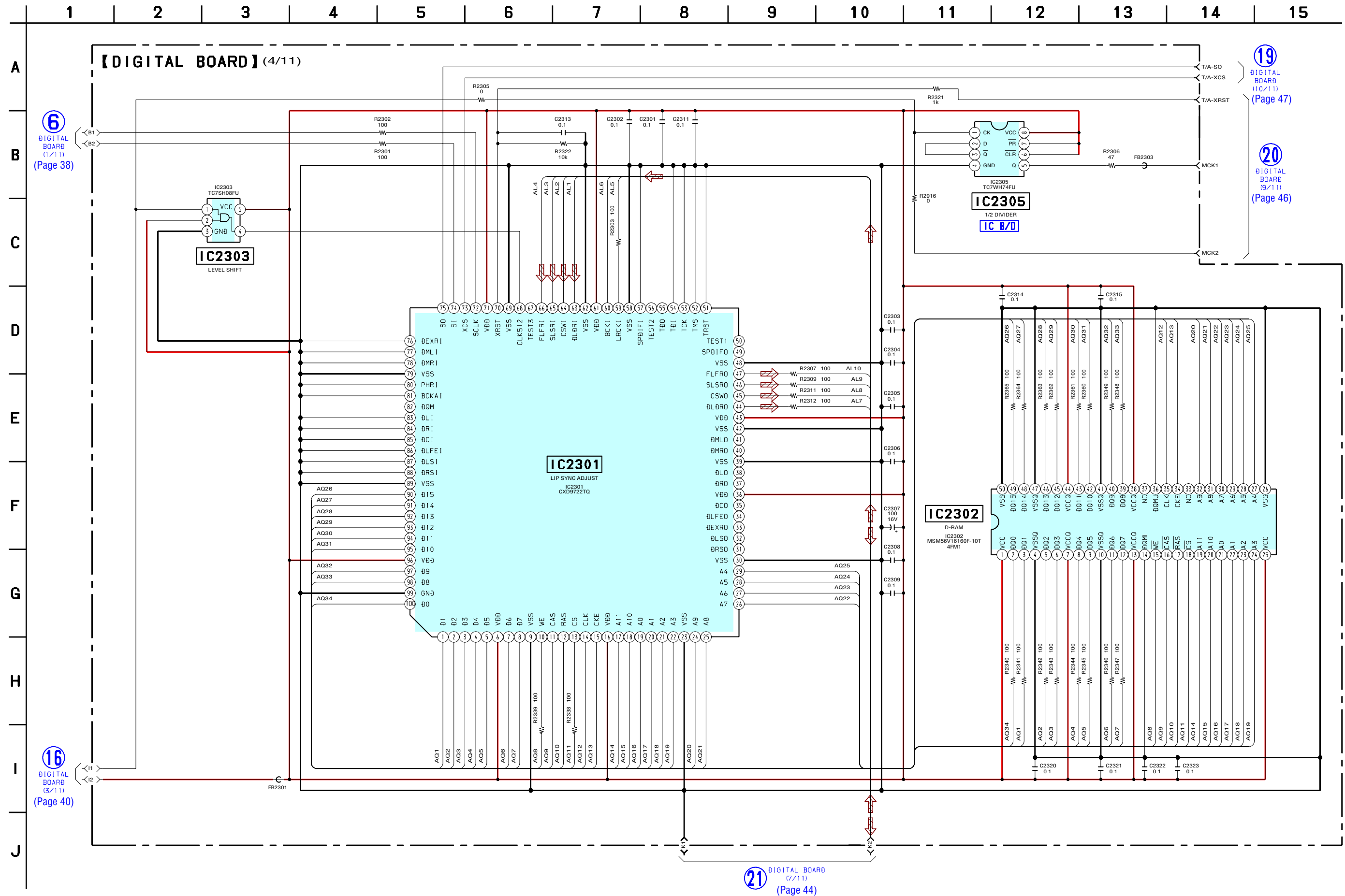
6-17. SCHEMATIC DIAGRAM - DIGITAL Board (2/11) -



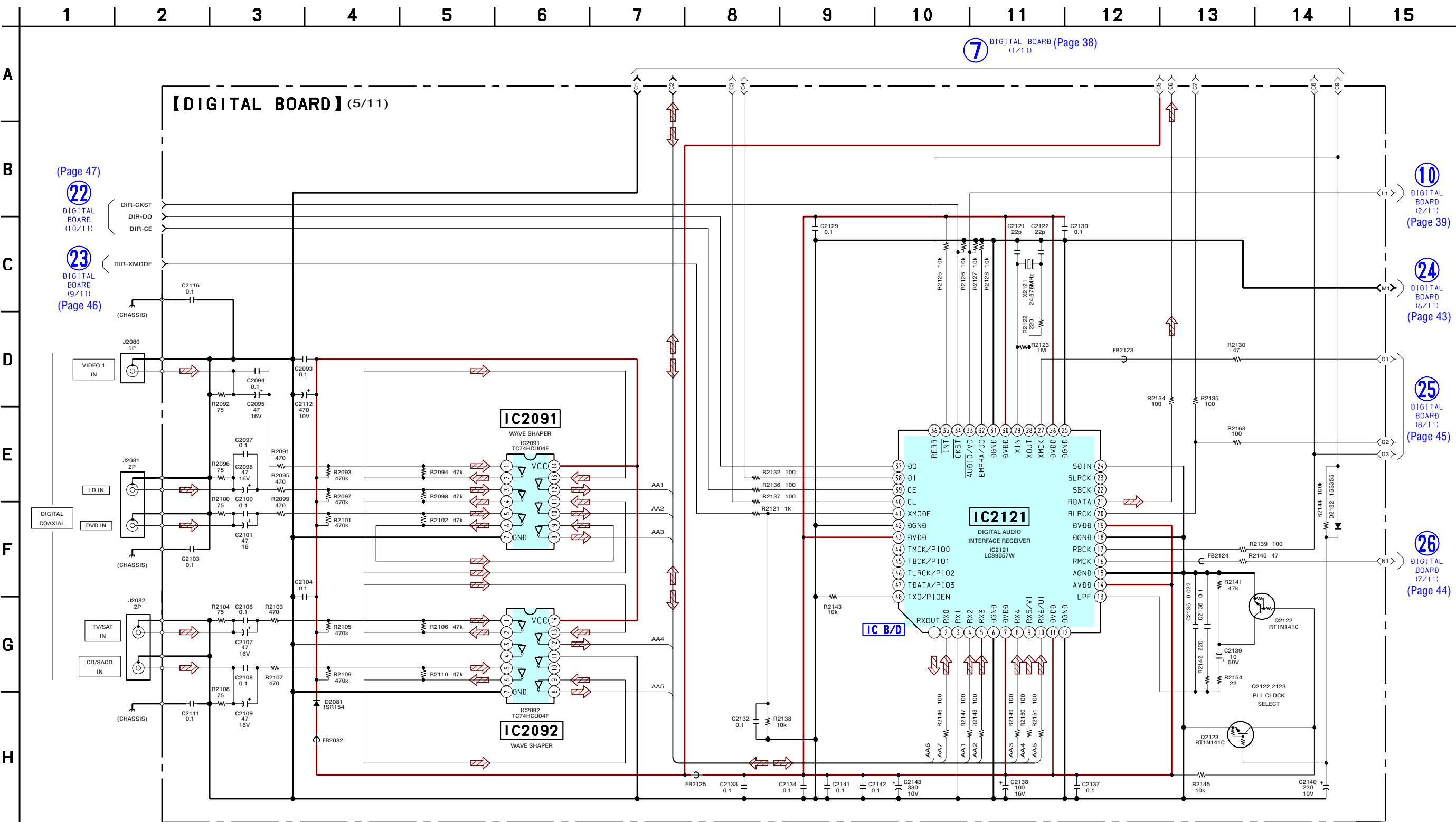
6-18. SCHEMATIC DIAGRAM – DIGITAL Board (3/11) –



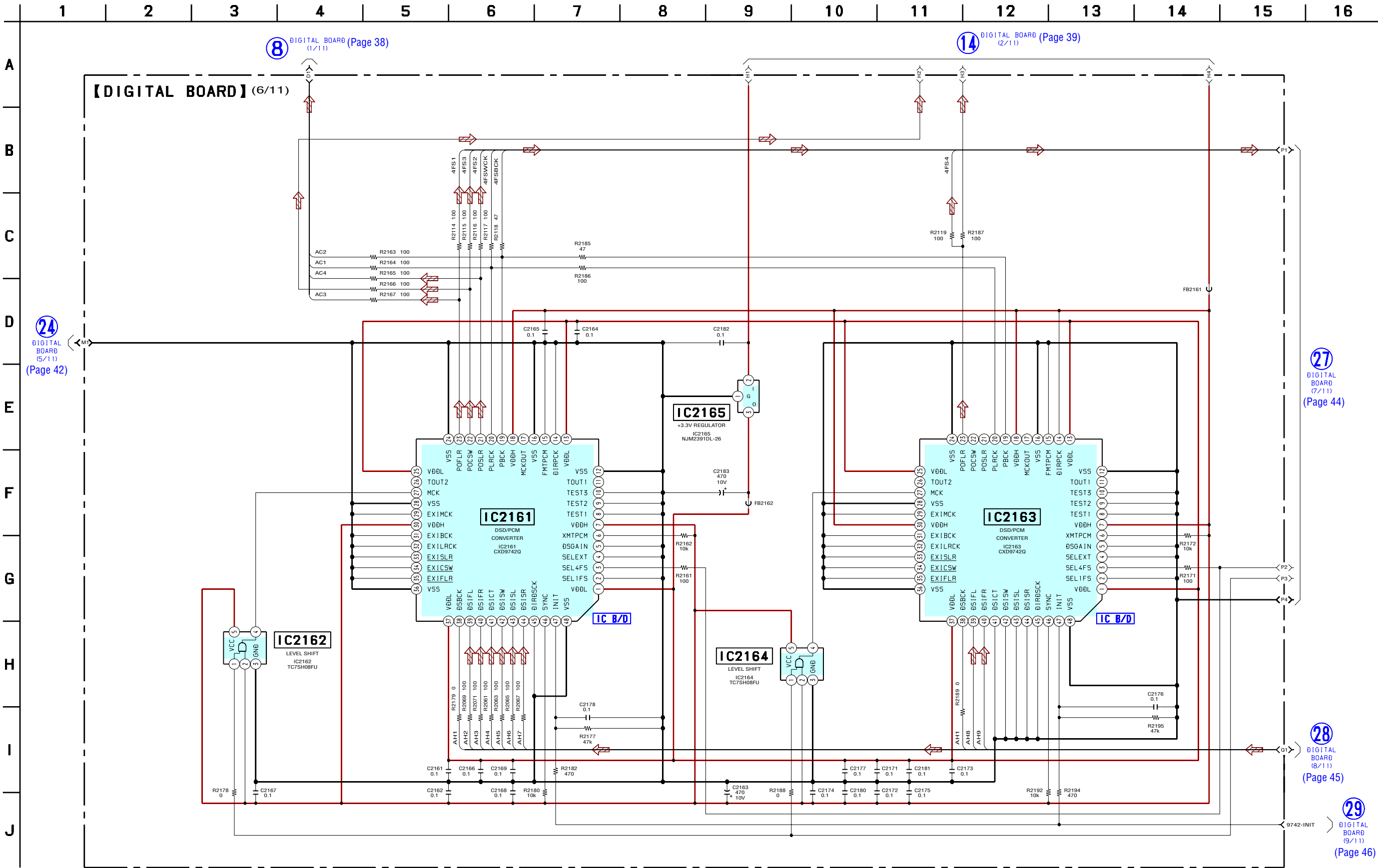
6-19. SCHEMATIC DIAGRAM – DIGITAL Board (4/11) –



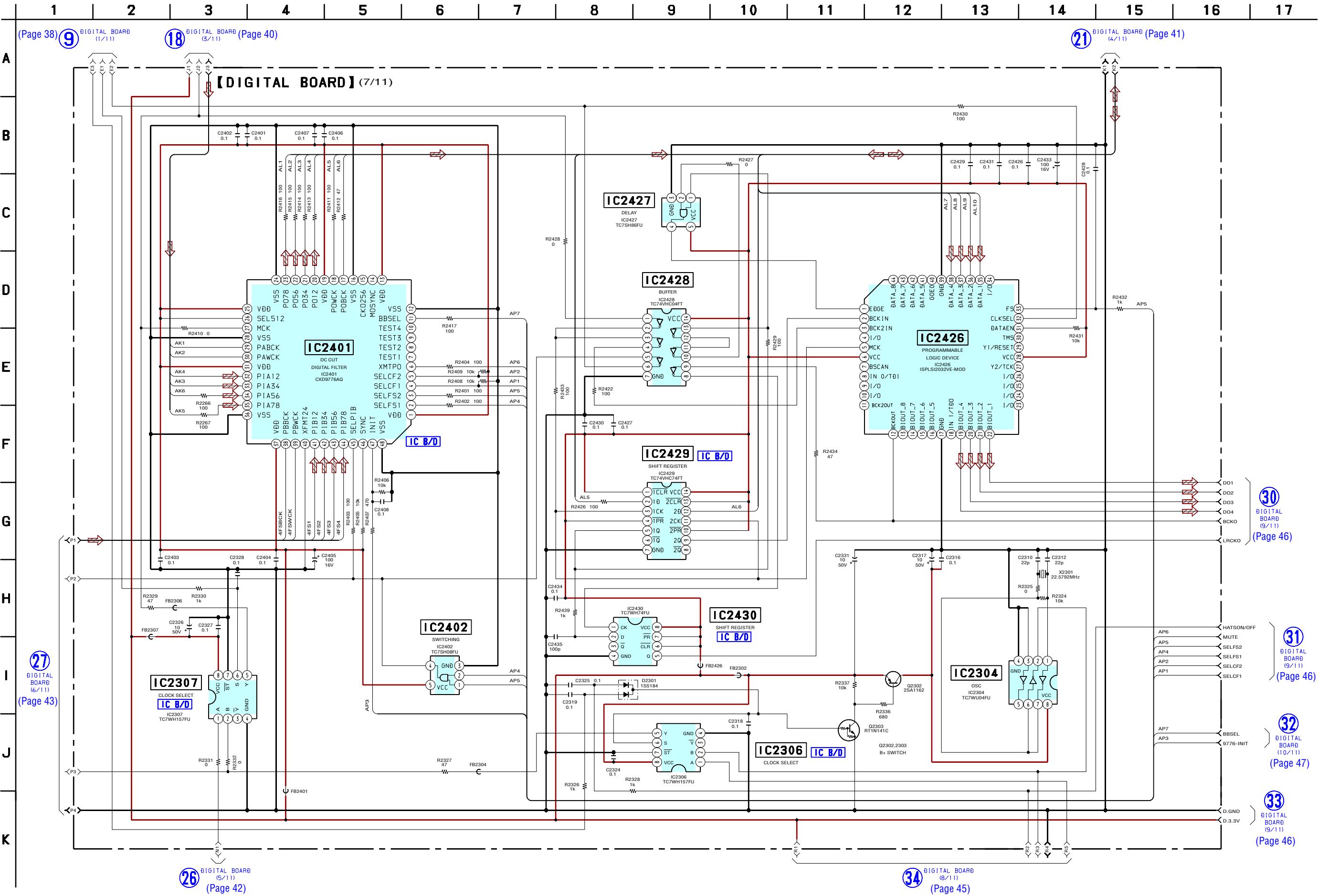
6-20. SCHEMATIC DIAGRAM – DIGITAL Board (5/11) –



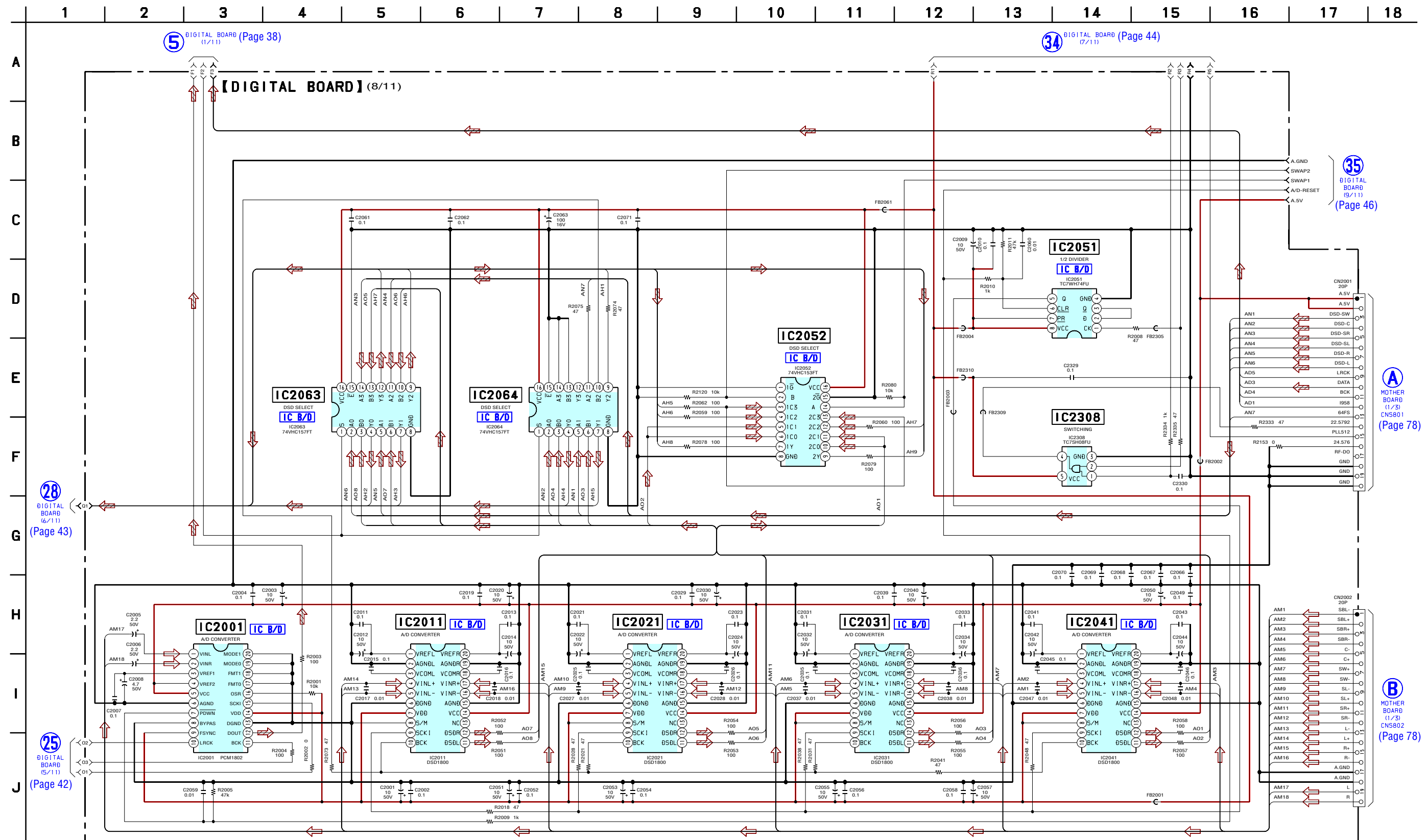
6-21. SCHEMATIC DIAGRAM – DIGITAL Board (6/11) –



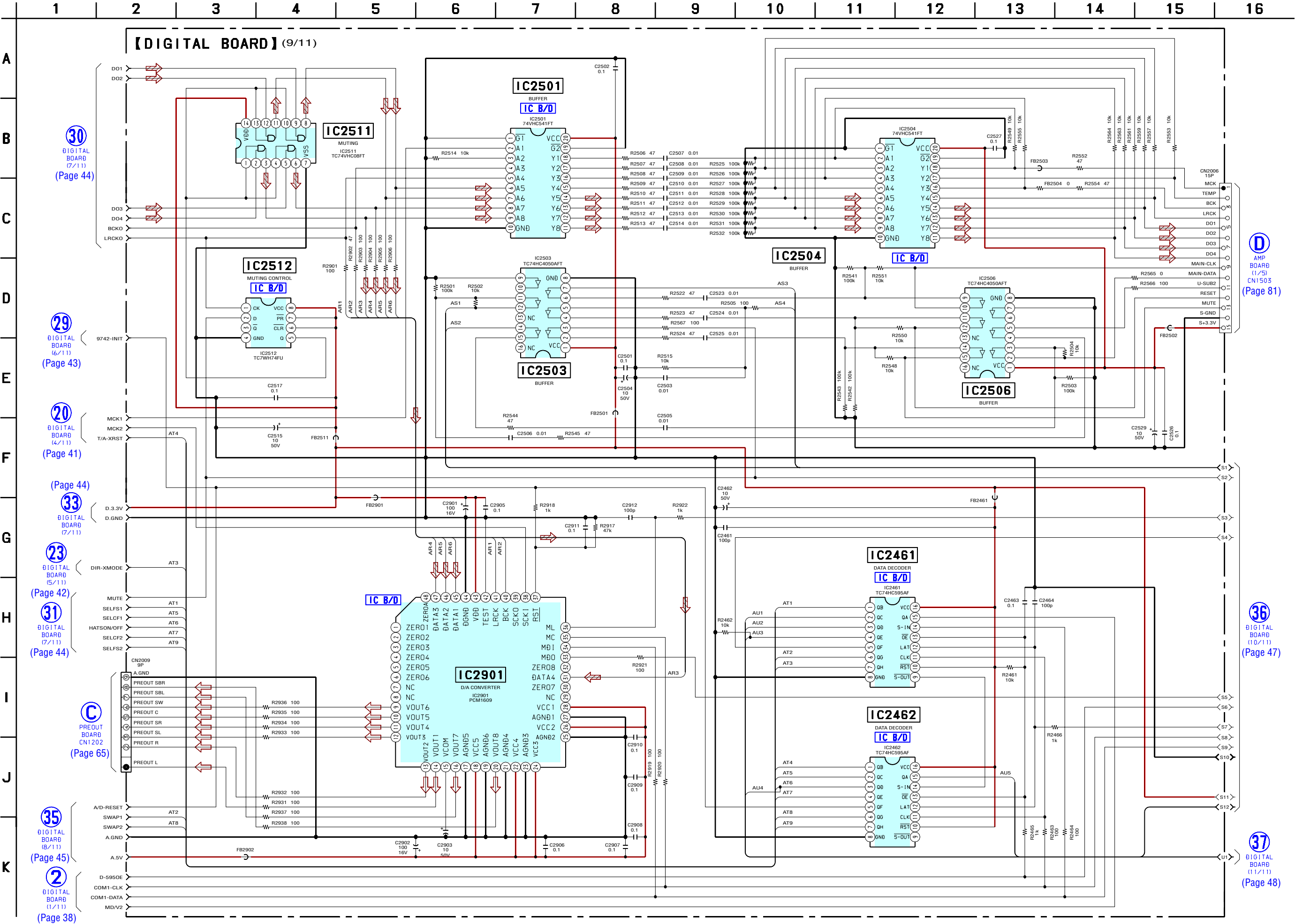
6-22. SCHEMATIC DIAGRAM – DIGITAL Board (7/11) –



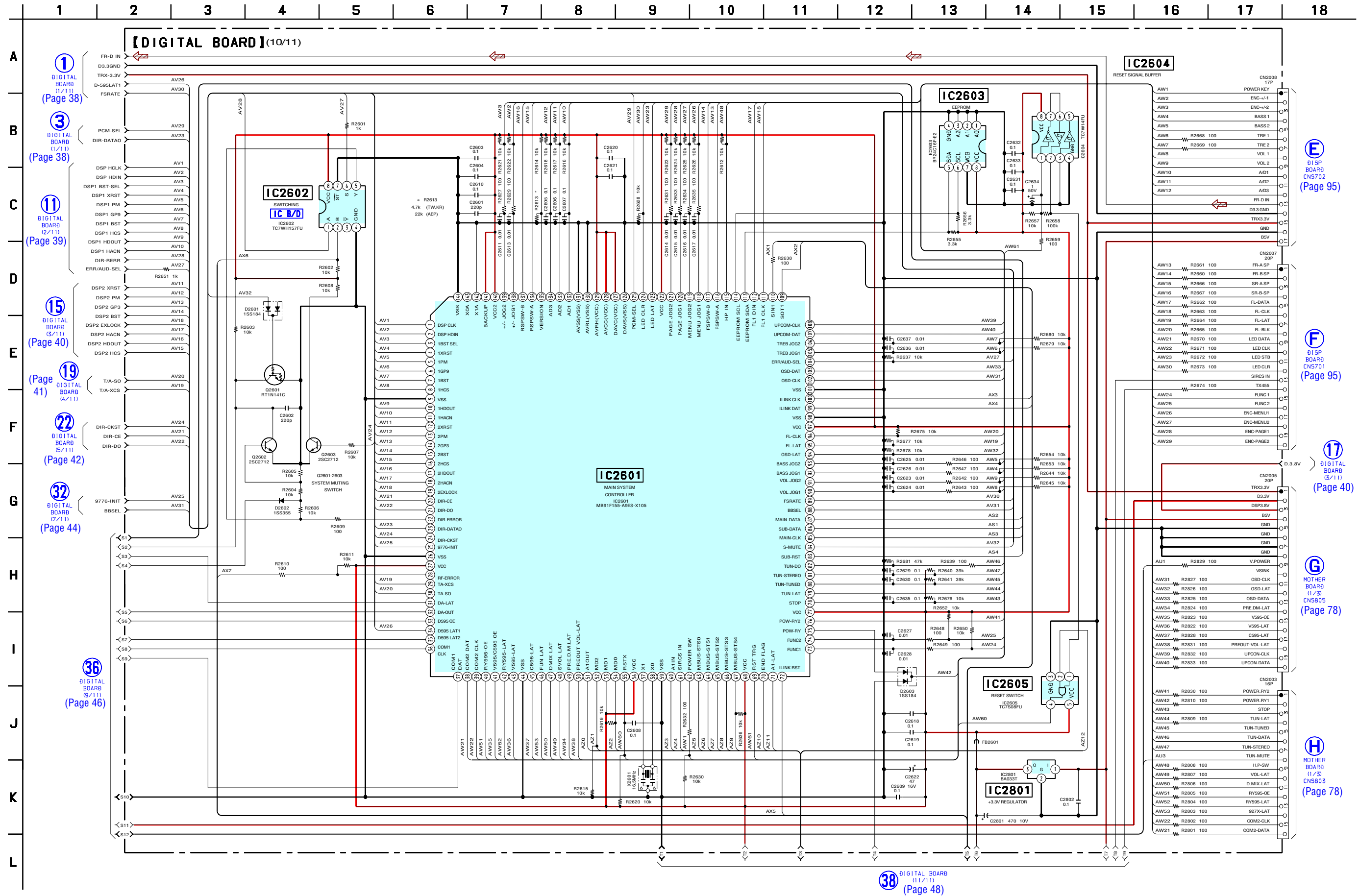
6-23. SCHEMATIC DIAGRAM – DIGITAL Board (8/11) –



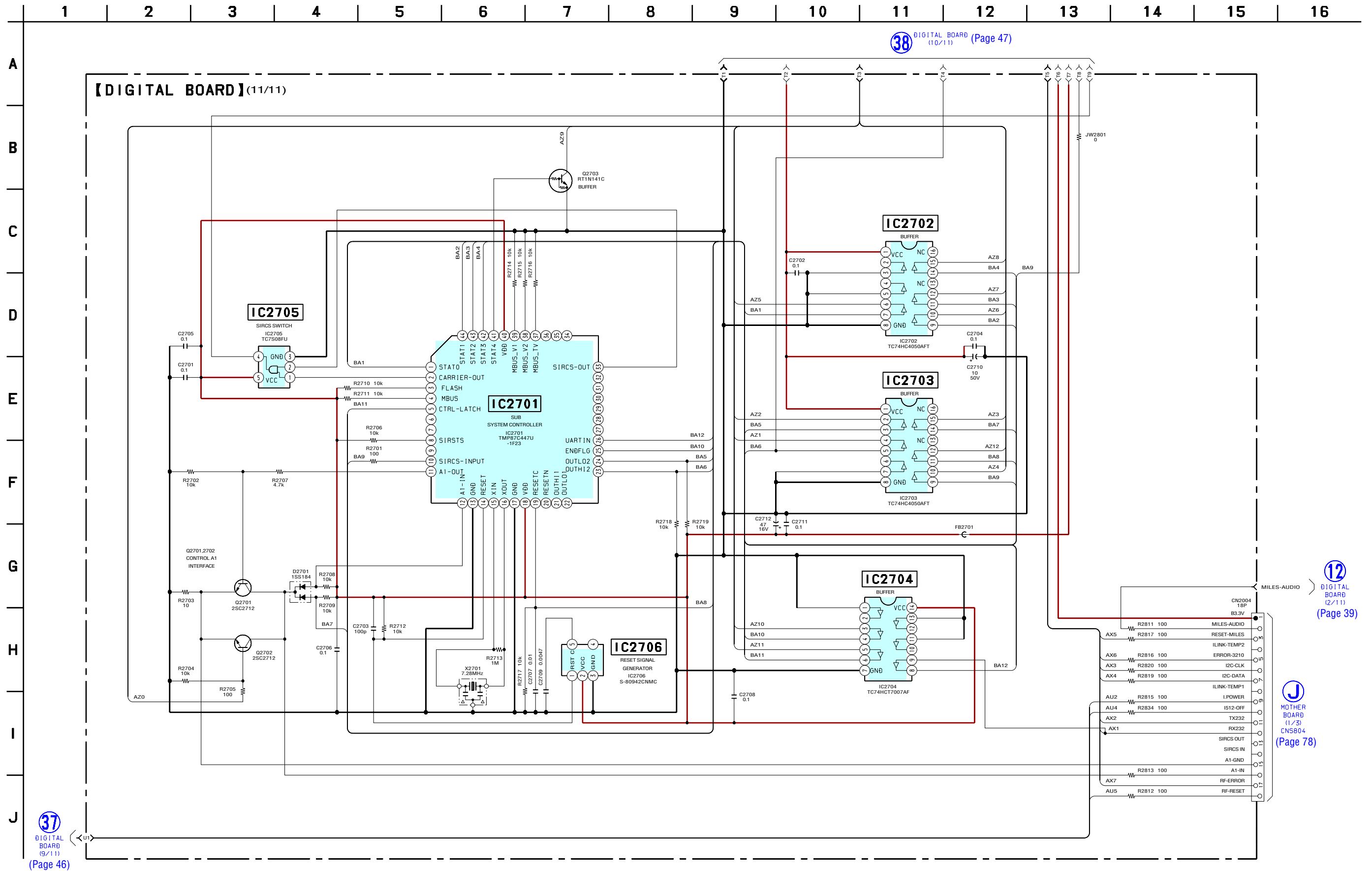
6-24. SCHEMATIC DIAGRAM – DIGITAL Board (9/11) –



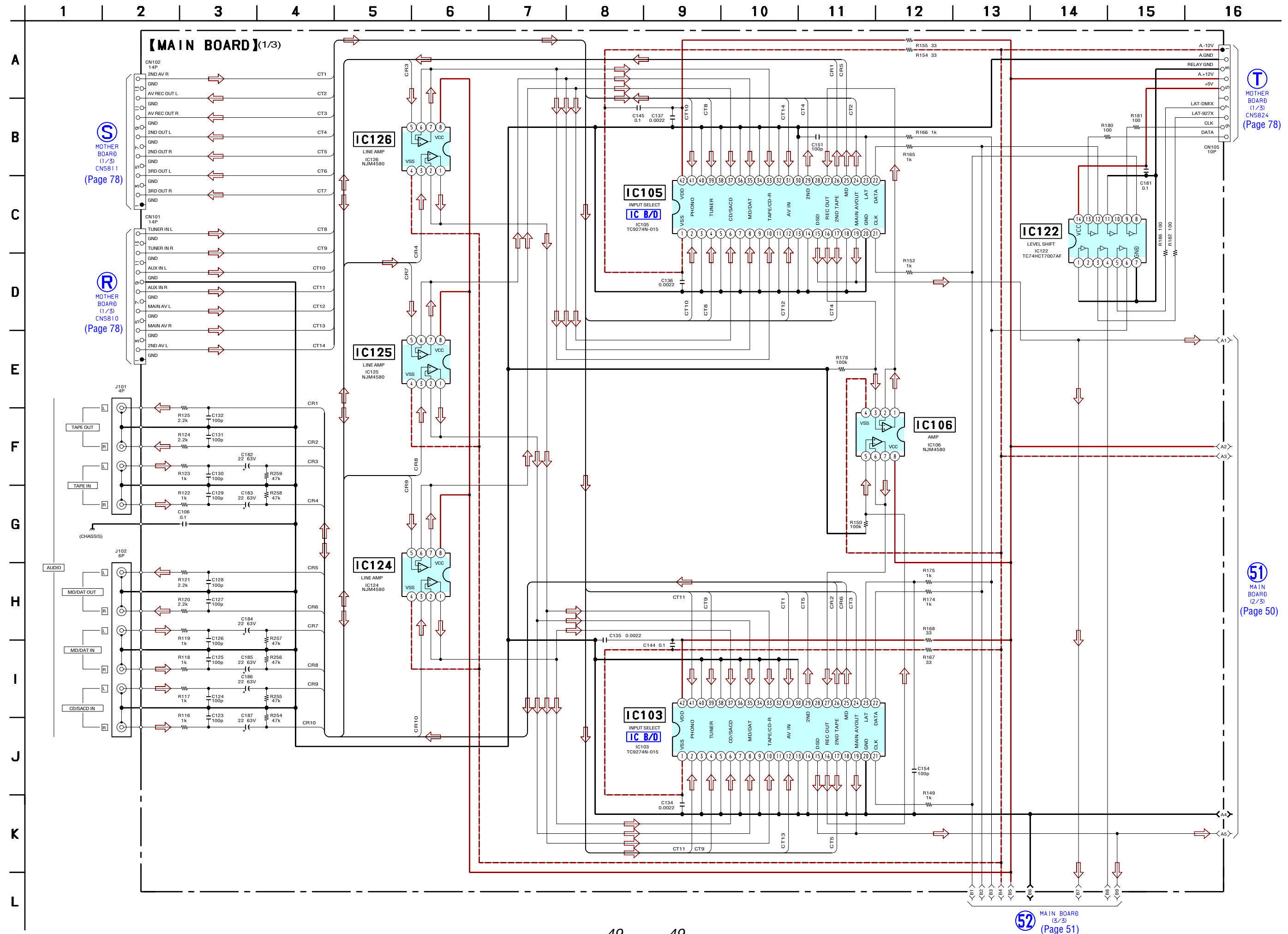
6-25. SCHEMATIC DIAGRAM – DIGITAL Board (10/11) –



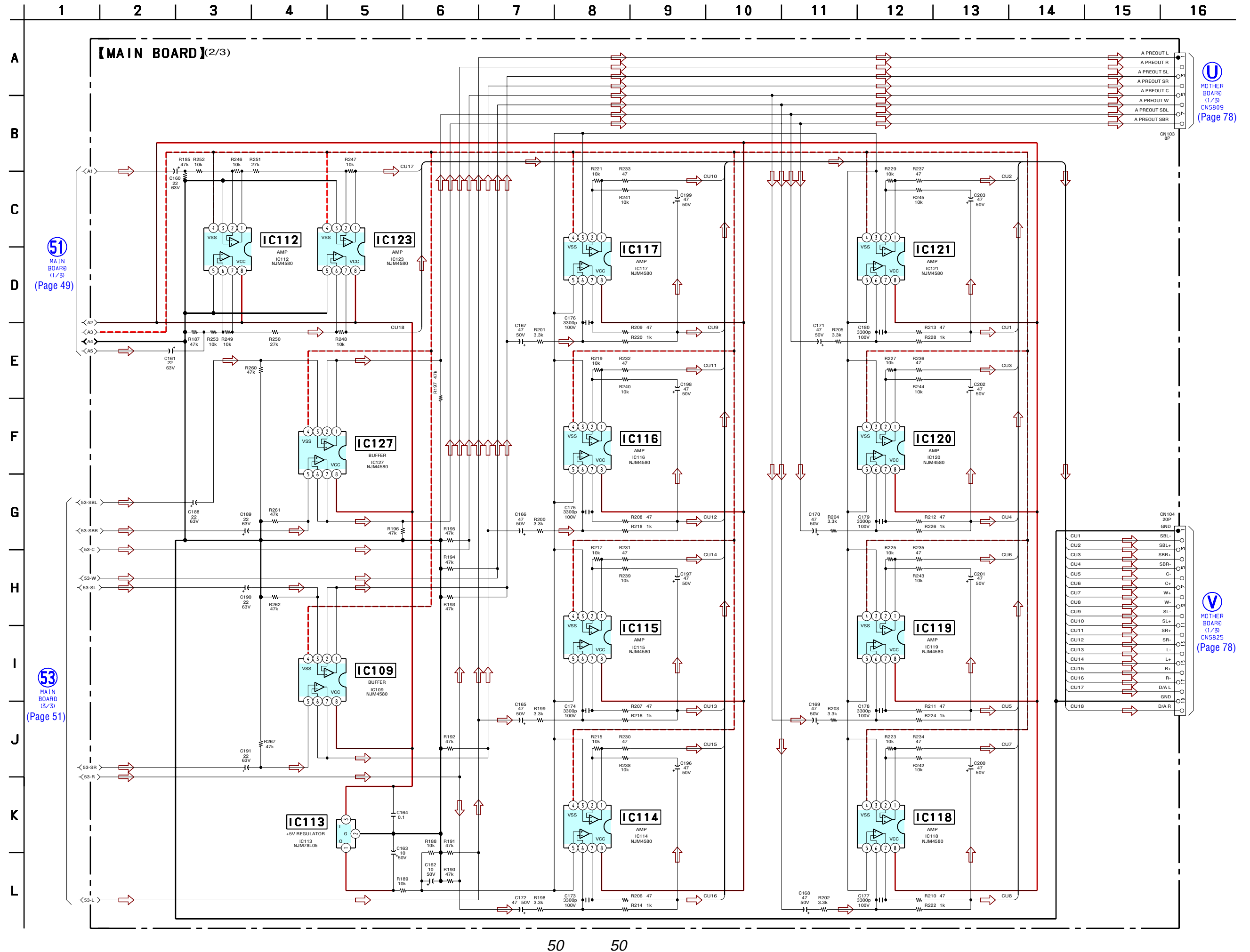
6-26. SCHEMATIC DIAGRAM – DIGITAL Board (11/11) –



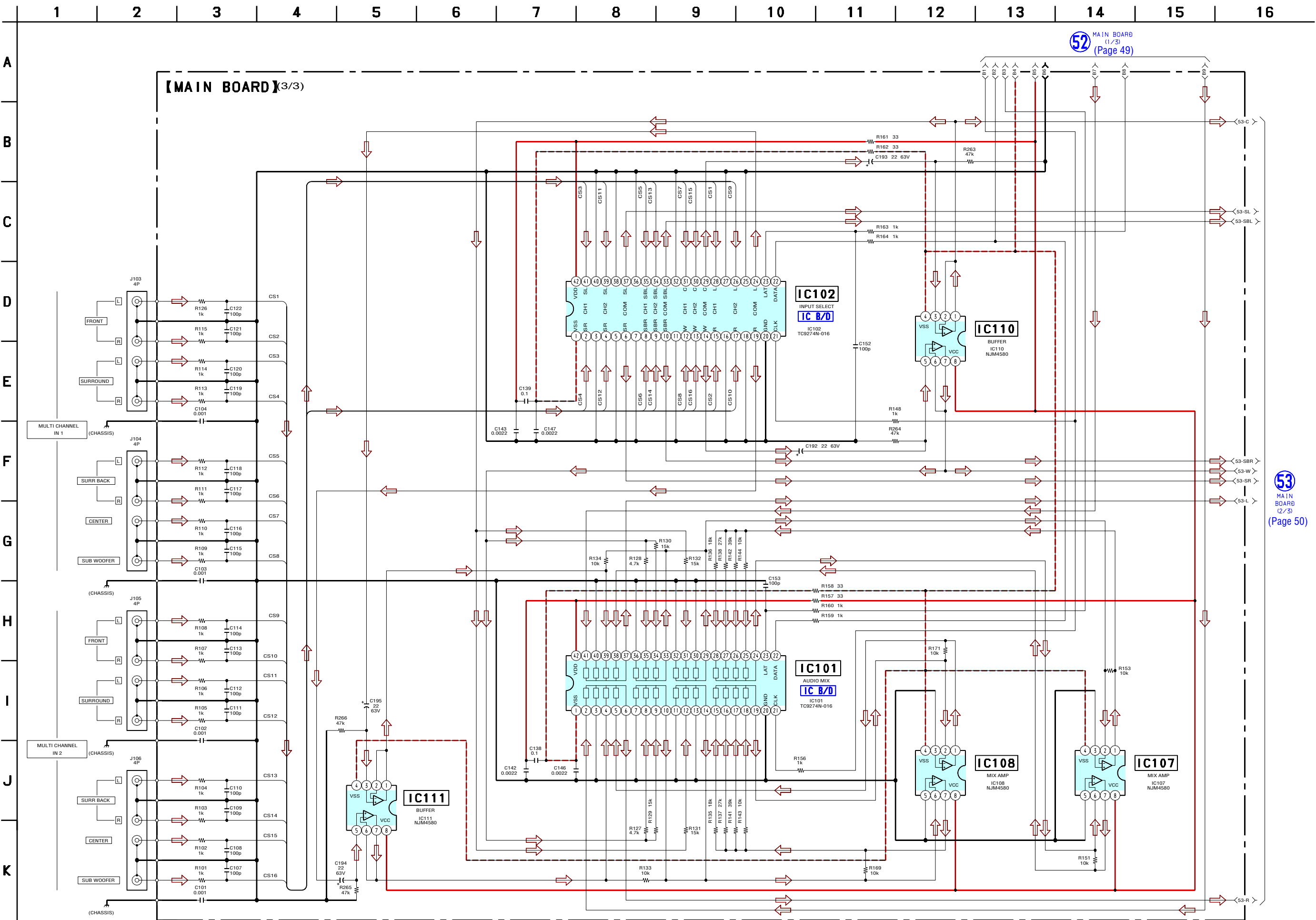
6-27. SCHEMATIC DIAGRAM – MAIN Board (1/3) –



6-28. SCHEMATIC DIAGRAM – MAIN Board (2/3) –



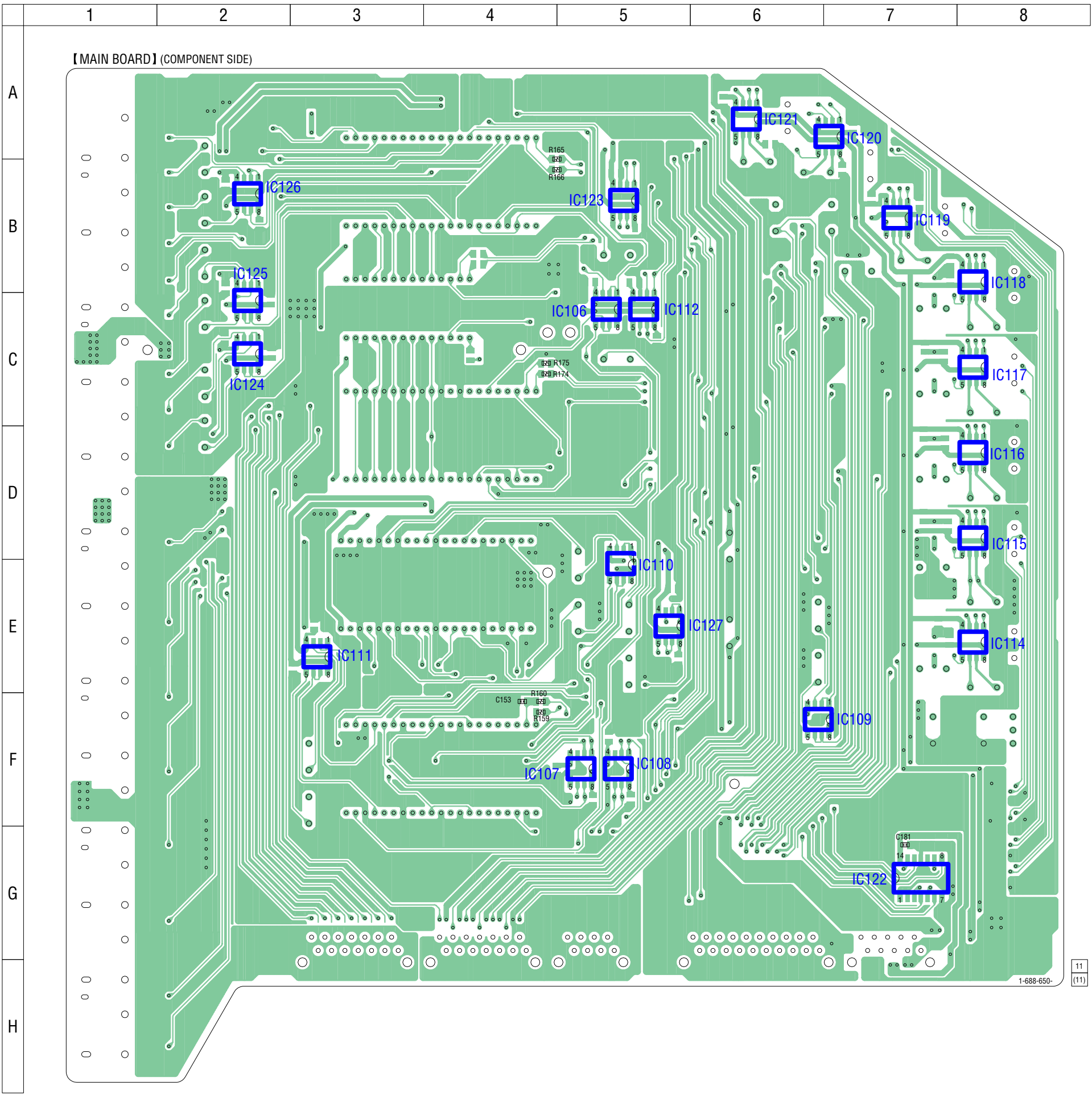
6-29. SCHEMATIC DIAGRAM – MAIN Board (3/3) –



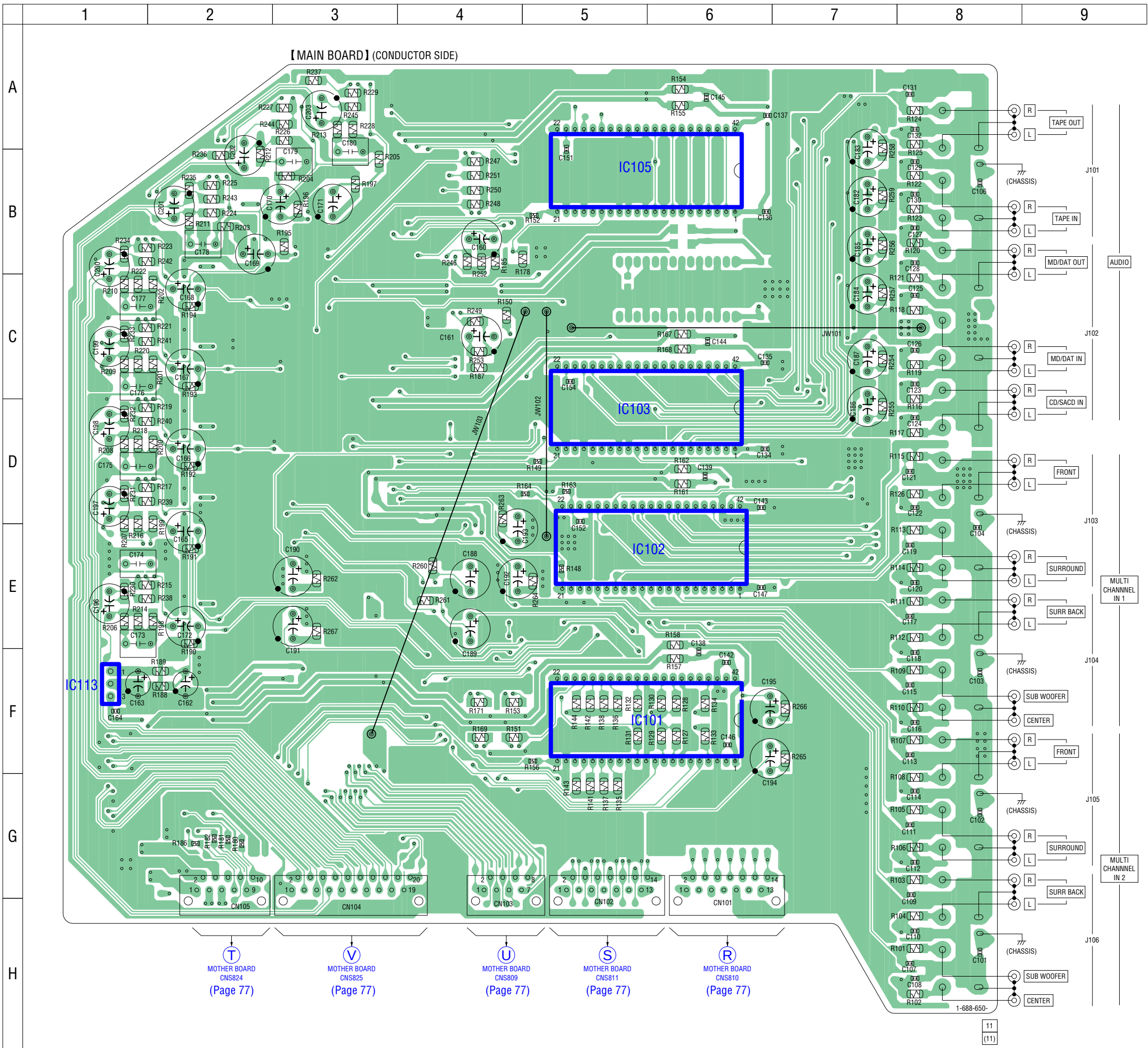
6-30. PRINTED WIRING BOARD – MAIN Board (Component Side) – • See page 35 for Circuit Boards Location.  :Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
IC106	C-5
IC107	F-5
IC108	F-5
IC109	F-6
IC110	E-5
IC111	E-3
IC112	C-5
IC114	E-8
IC115	D-8
IC116	D-8
IC117	C-8
IC118	B-8
IC119	B-7
IC120	A-7
IC121	A-6
IC122	G-7
IC123	B-5
IC124	C-2
IC125	C-2
IC126	B-2
IC127	E-5



6-31. PRINTED WIRING BOARD – MAIN Board (Conductor Side) – • See page 35 for Circuit Boards Location.  :Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
IC101	F-5
IC102	E-5
IC103	D-5
IC105	B-5
IC113	F-1

 MOTHER BOARD
CNS824
(Page 77)

 MOTHER BOARD
CNS825
(Page 77)

 MOTHER BOARD
CNS809
(Page 77)

 MOTHER BOARD
CNS811
(Page 77)

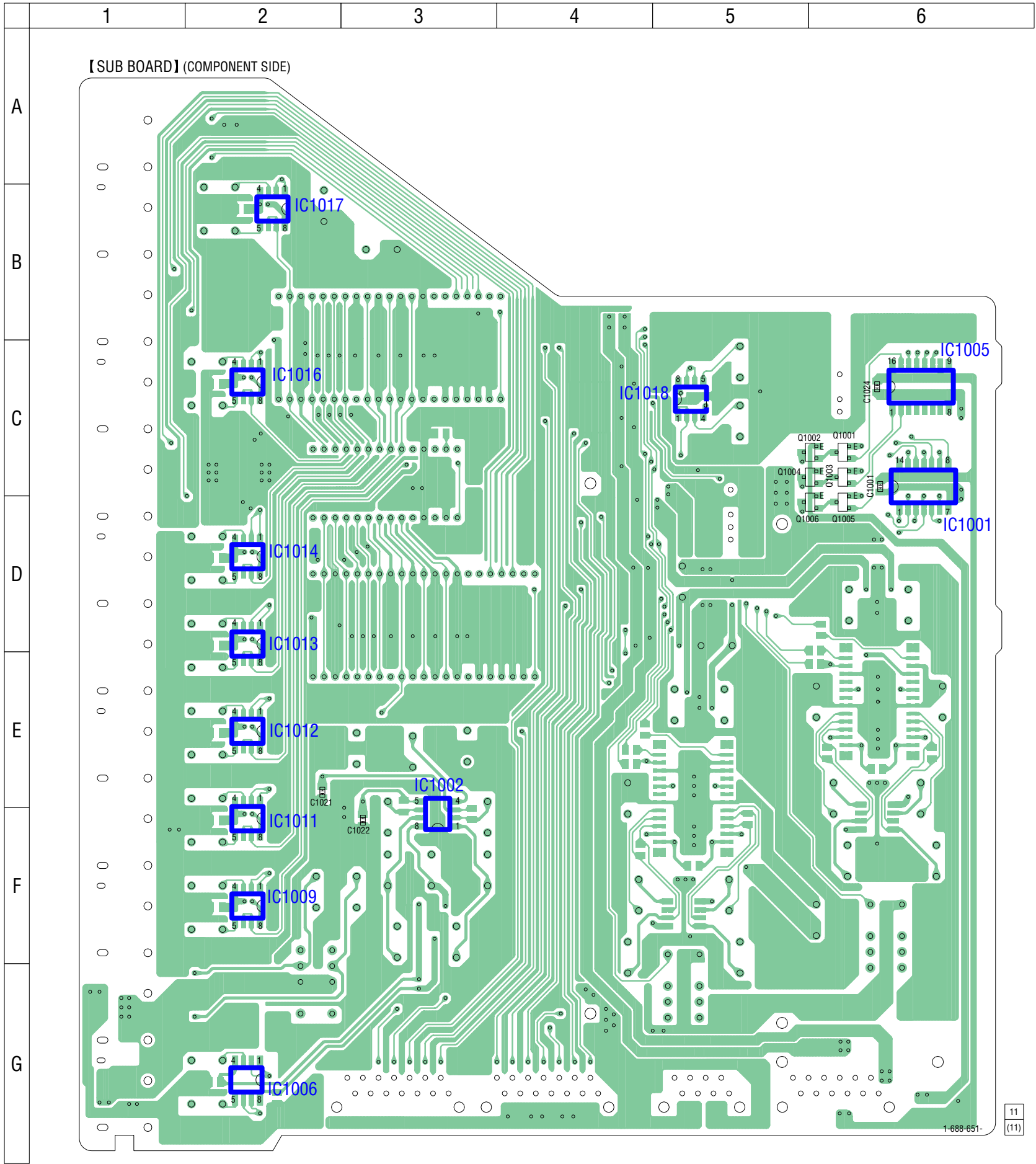
 MOTHER BOARD
CNS810
(Page 77)

6-32. PRINTED WIRING BOARD – SUB Board (Component Side) – • See page 35 for Circuit Boards Location.

 :Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
IC1001	C-6
IC1002	F-3
IC1005	C-6
IC1006	G-2
IC1009	F-2
IC1011	F-2
IC1012	E-2
IC1013	D-2
IC1014	D-2
IC1016	C-2
IC1017	B-2
IC1018	C-5
Q1001	C-6
Q1002	C-6
Q1003	C-6
Q1004	C-6
Q1005	D-6
Q1006	D-6

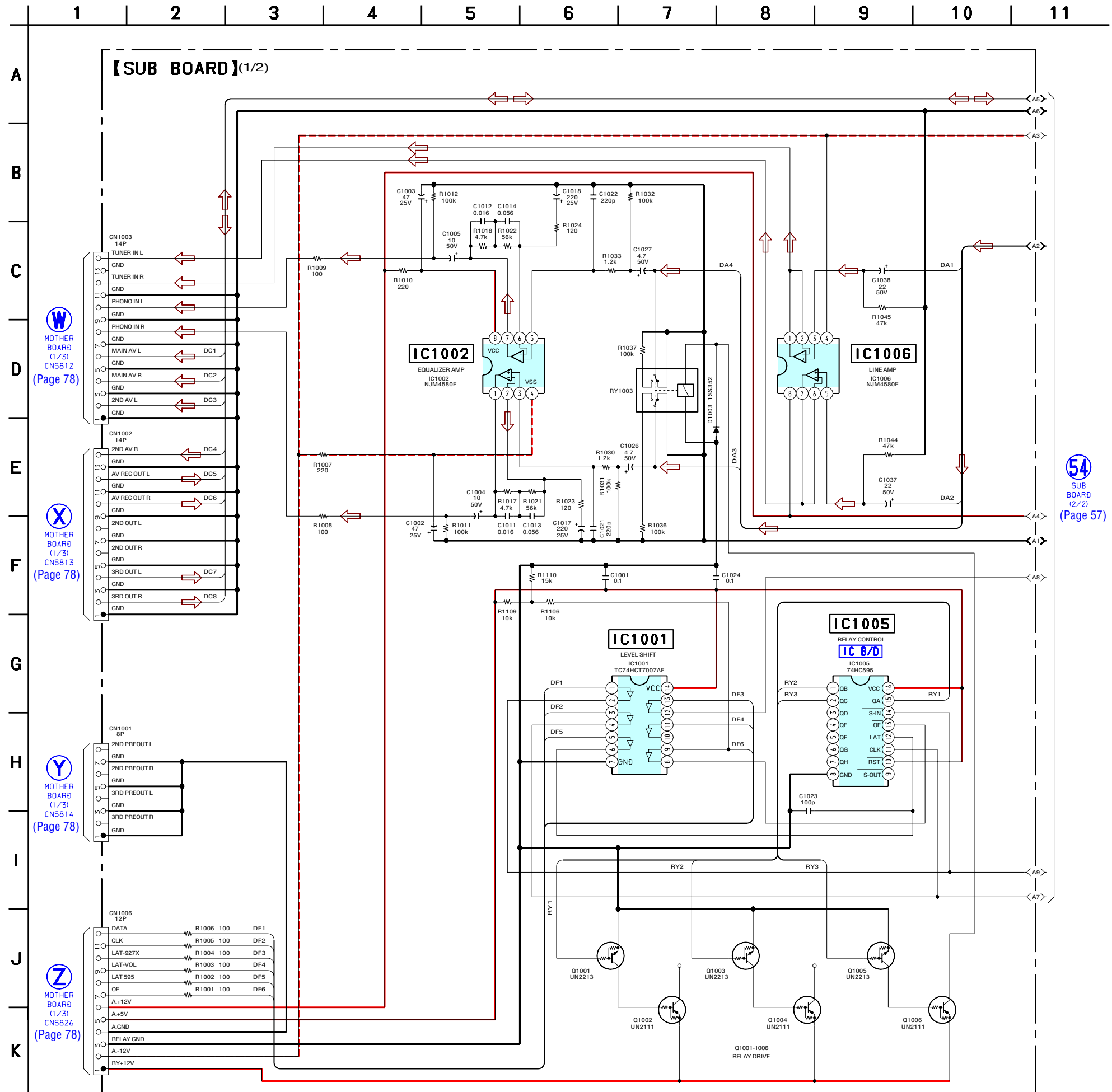




- **Semiconductor Location**

Ref. No.	Location
D1003	G-5
IC1010	D-5
IC1015	C-5
IC1019	C-5

6-34. SCHEMATIC DIAGRAM – SUB Board (1/2) –



MOTHER BOARD (1/3) CNS812 (Page 78)

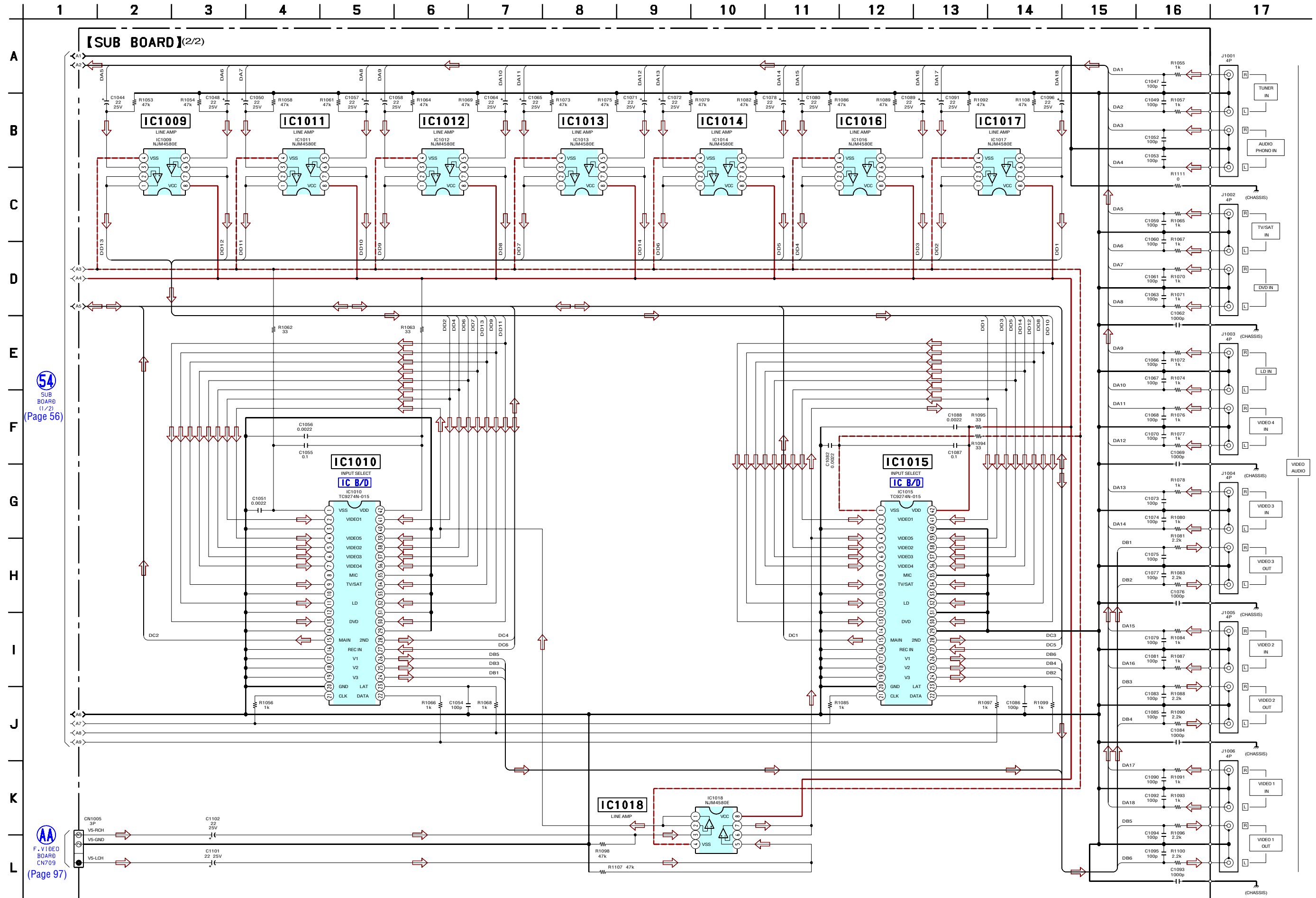
MOTHER BOARD (1/3) CNS813 (Page 78)

MOTHER BOARD (1/3) CNS814 (Page 78)

MOTHER BOARD (1/3) CNS826 (Page 78)

54 SUB BOARD (2/2) (Page 57)

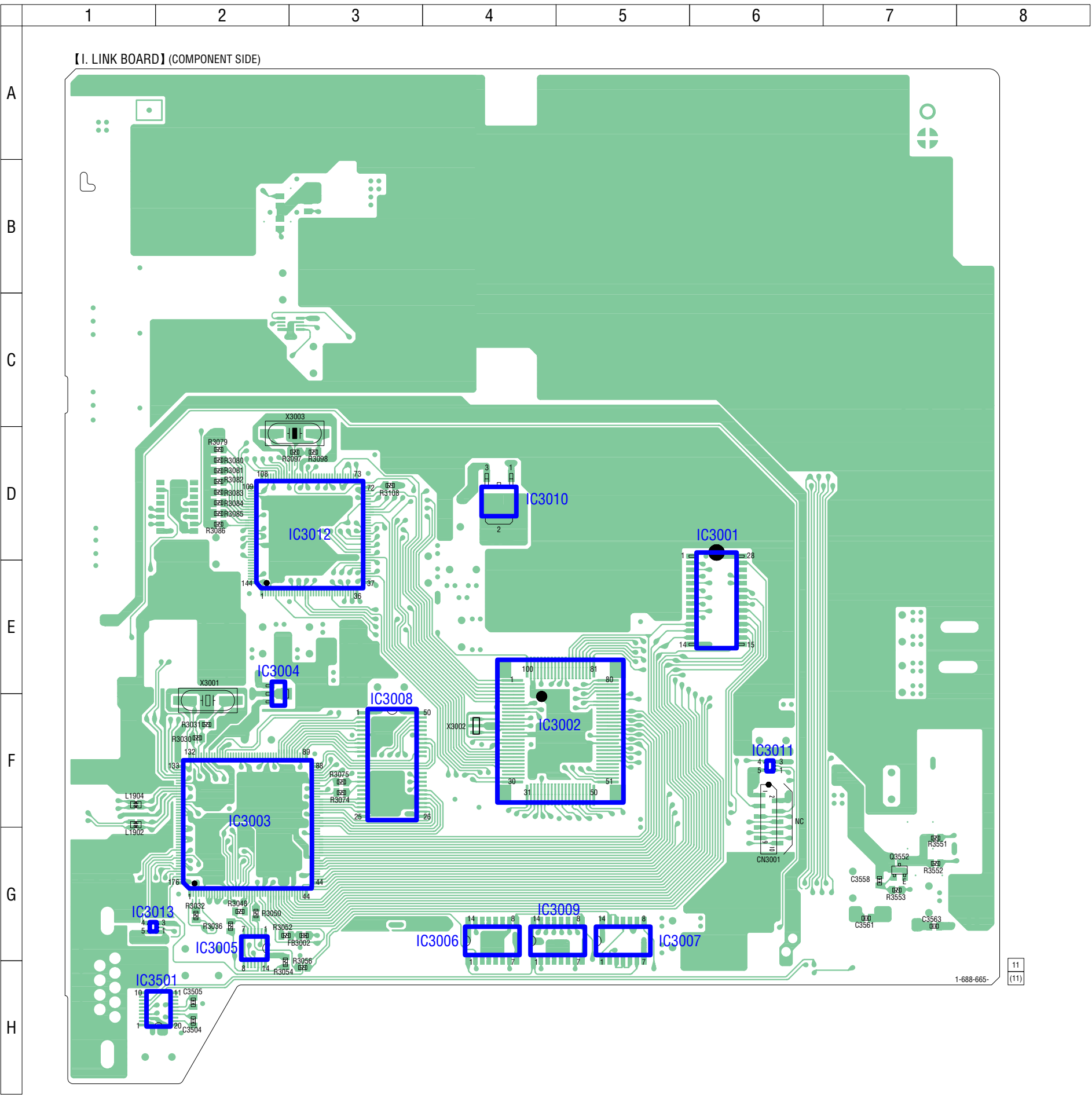
6-35. SCHEMATIC DIAGRAM – SUB Board (2/2) –



6-36. PRINTED WIRING BOARD – I. LINK Board (Component Side) – • See page 35 for Circuit Boards Location.  :Uses unleaded solder.

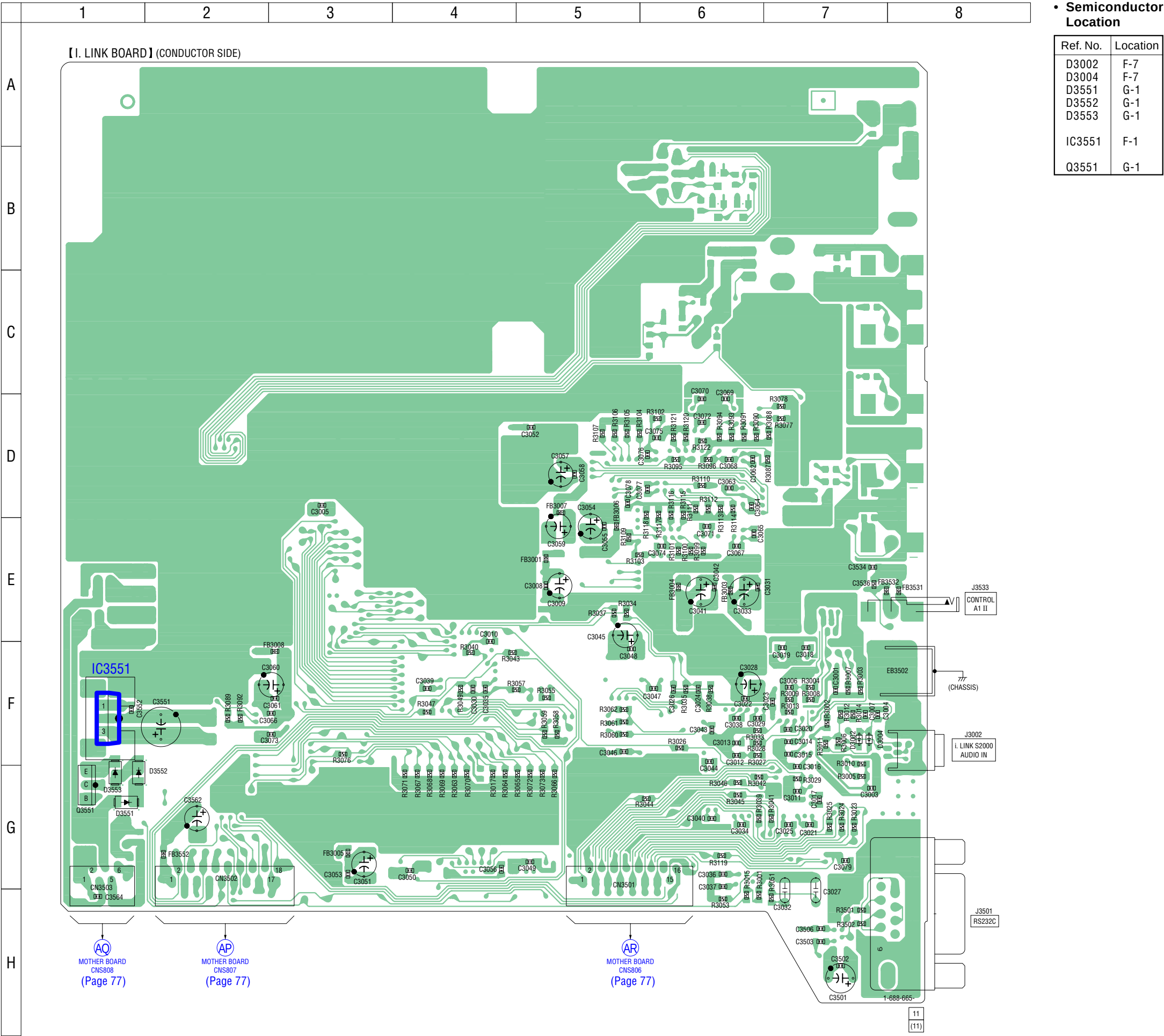
• Semiconductor Location

Ref. No.	Location
IC3001	E-6
IC3002	E-5
IC3003	F-2
IC3004	E-2
IC3005	G-2
IC3006	G-4
IC3007	G-5
IC3008	F-3
IC3009	G-5
IC3010	D-4
IC3011	F-6
IC3012	D-3
IC3013	G-1
IC3501	H-2
Q3552	G-7

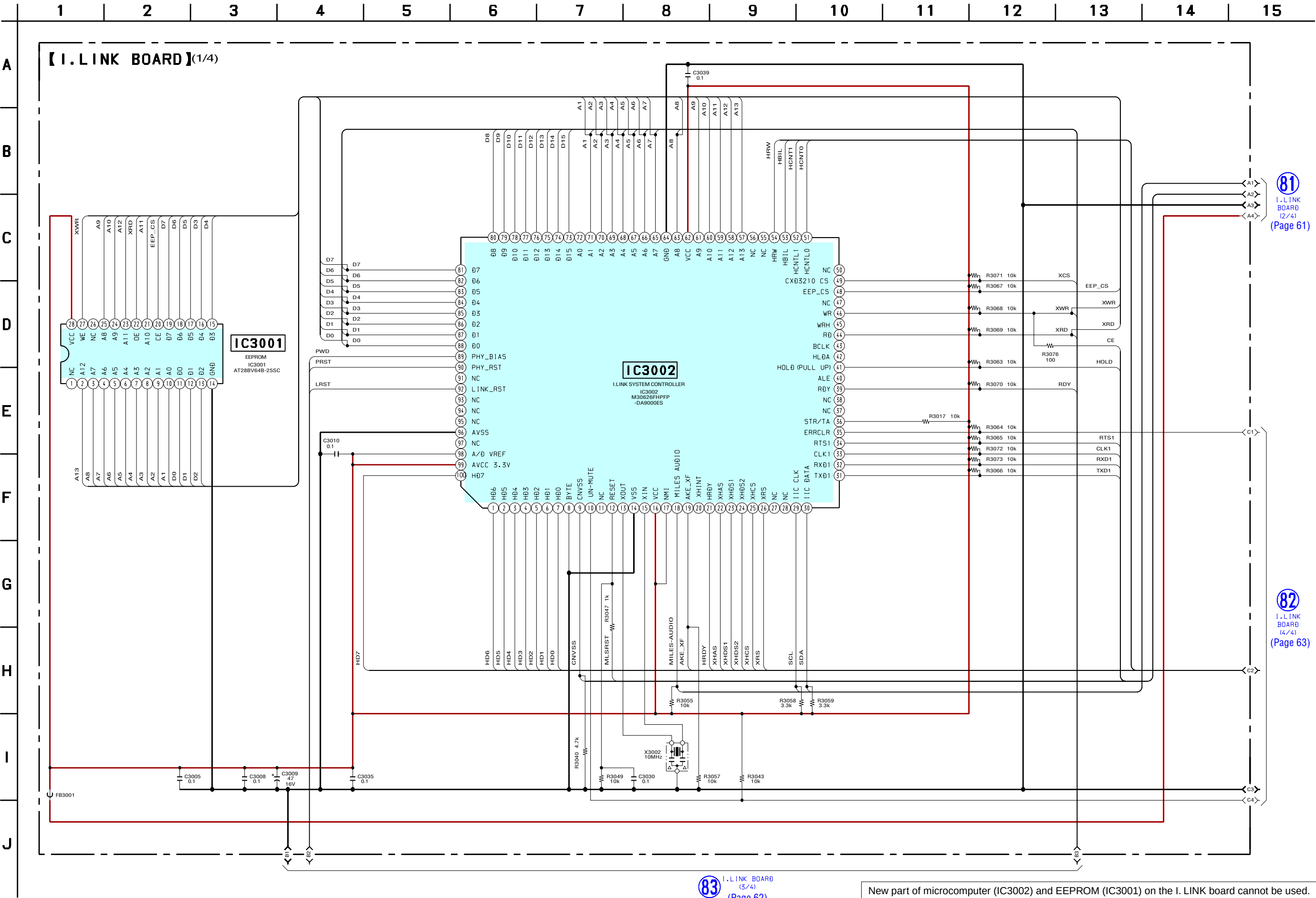


New part of microcomputer (IC3002) and EEPROM (IC3001) on the I. LINK board cannot be used. Therefore, if the mounted I. LINK board (A-4733-835-A) is replaced, exchange new microcomputer and new EEPROM with that used before the replacement.

6-37. PRINTED WIRING BOARD – I. LINK Board (Conductor Side) – • See page 35 for Circuit Boards Location.  :Uses unleaded solder.



6-38. SCHEMATIC DIAGRAM – I. LINK Board (1/4) –



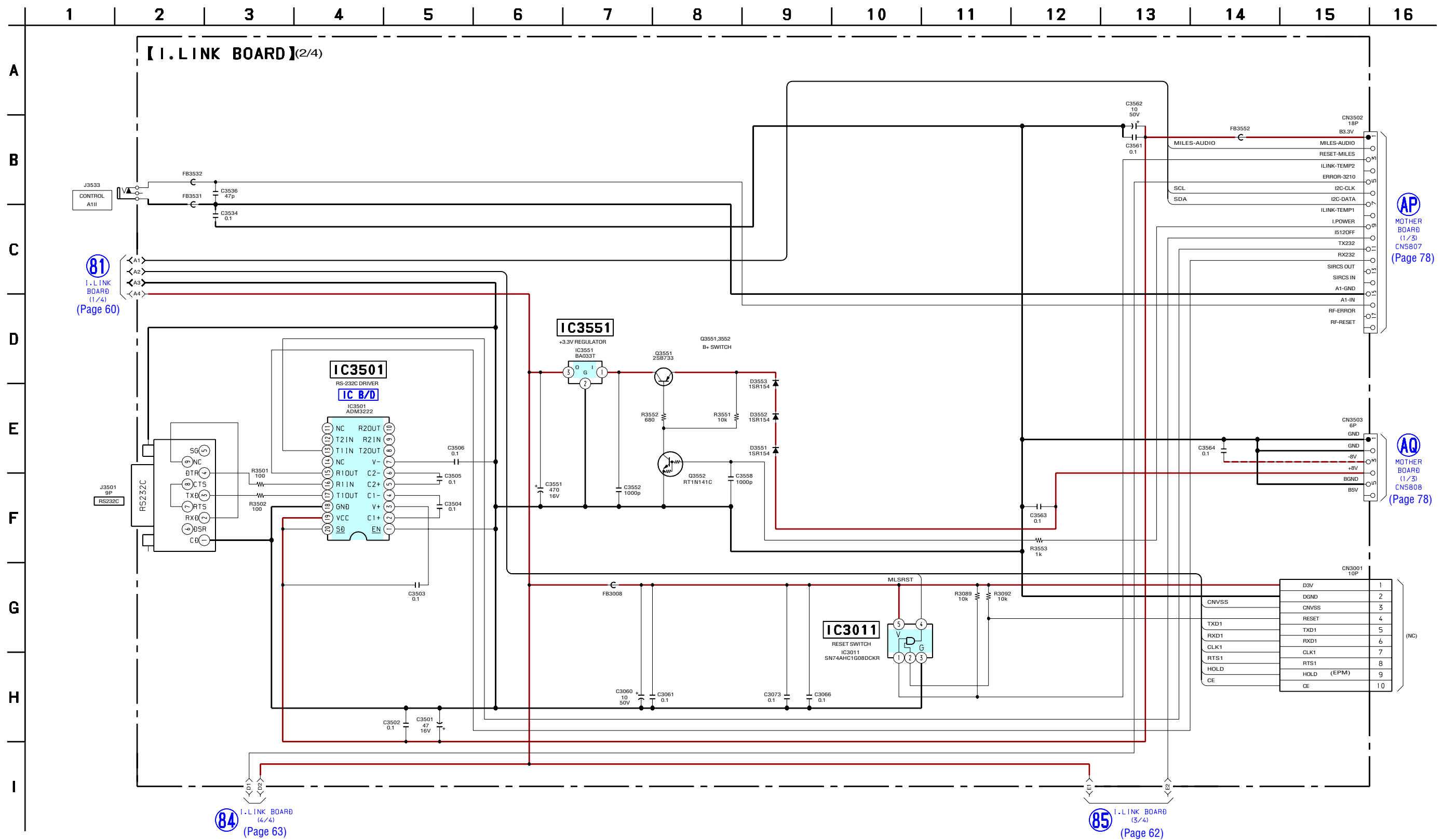
81
I. L. LINK
BOARD
(2/4)
(Page 61)

82
I. L. LINK
BOARD
(4/4)
(Page 63)

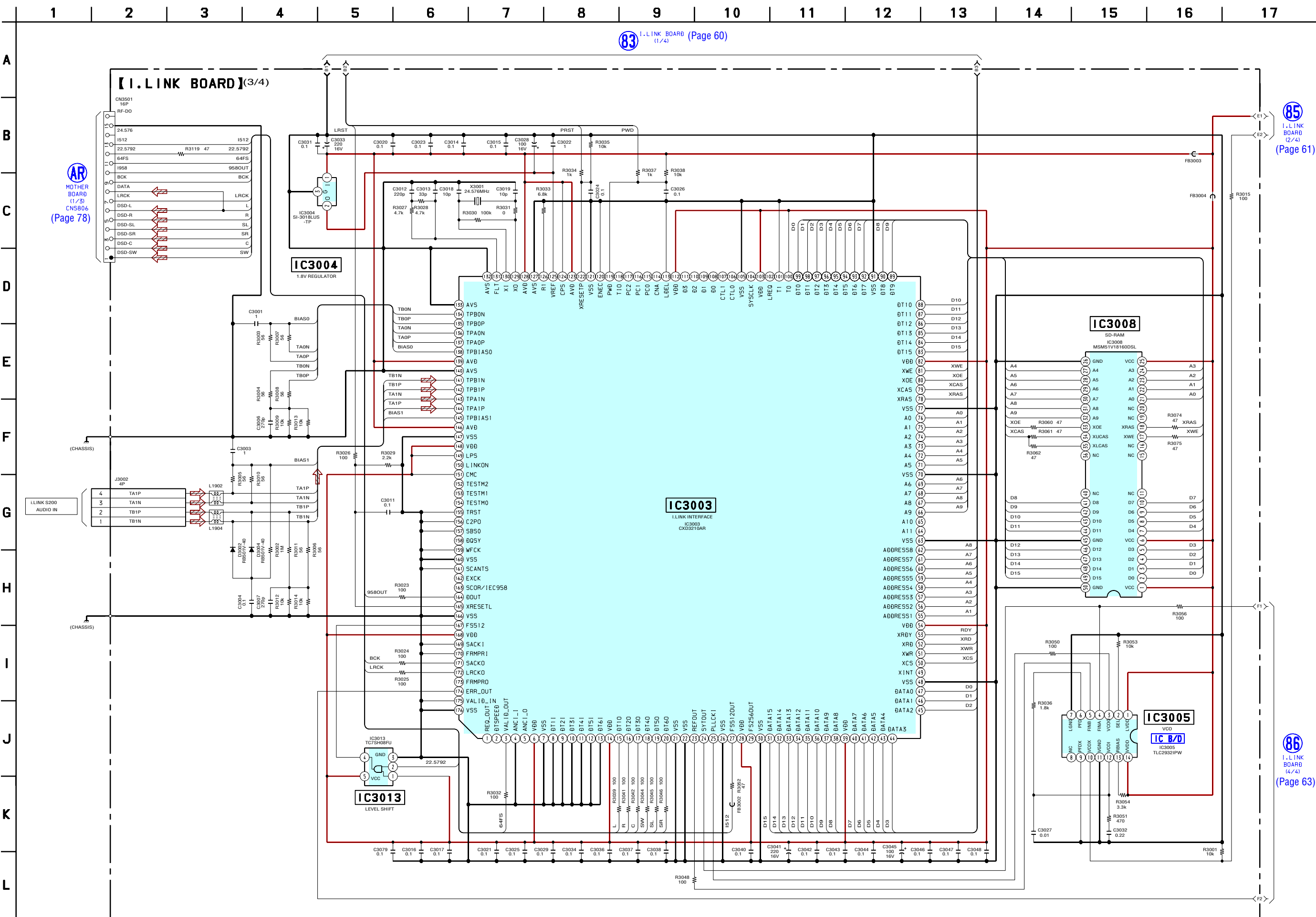
83
I. L. LINK BOARD
(3/4)
(Page 62)

New part of microcomputer (IC3002) and EEPROM (IC3001) on the I. LINK board cannot be used. Therefore, if the mounted I. LINK board (A-4733-835-A) is replaced, exchange new microcomputer and new EEPROM with that used before the replacement.

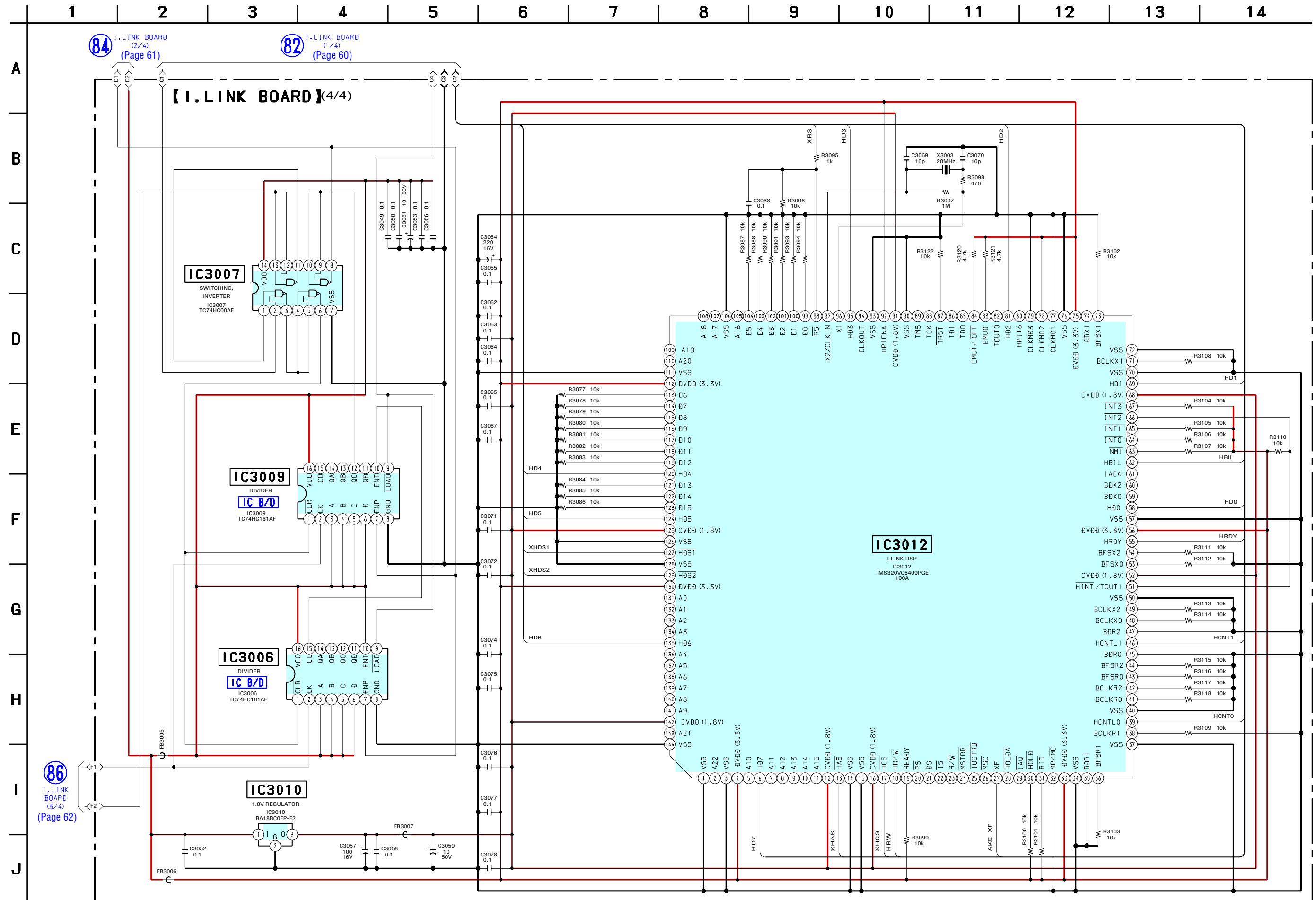
6-39. SCHEMATIC DIAGRAM – I. LINK Board (2/4) –



6-40. SCHEMATIC DIAGRAM – I. LINK Board (3/4) –



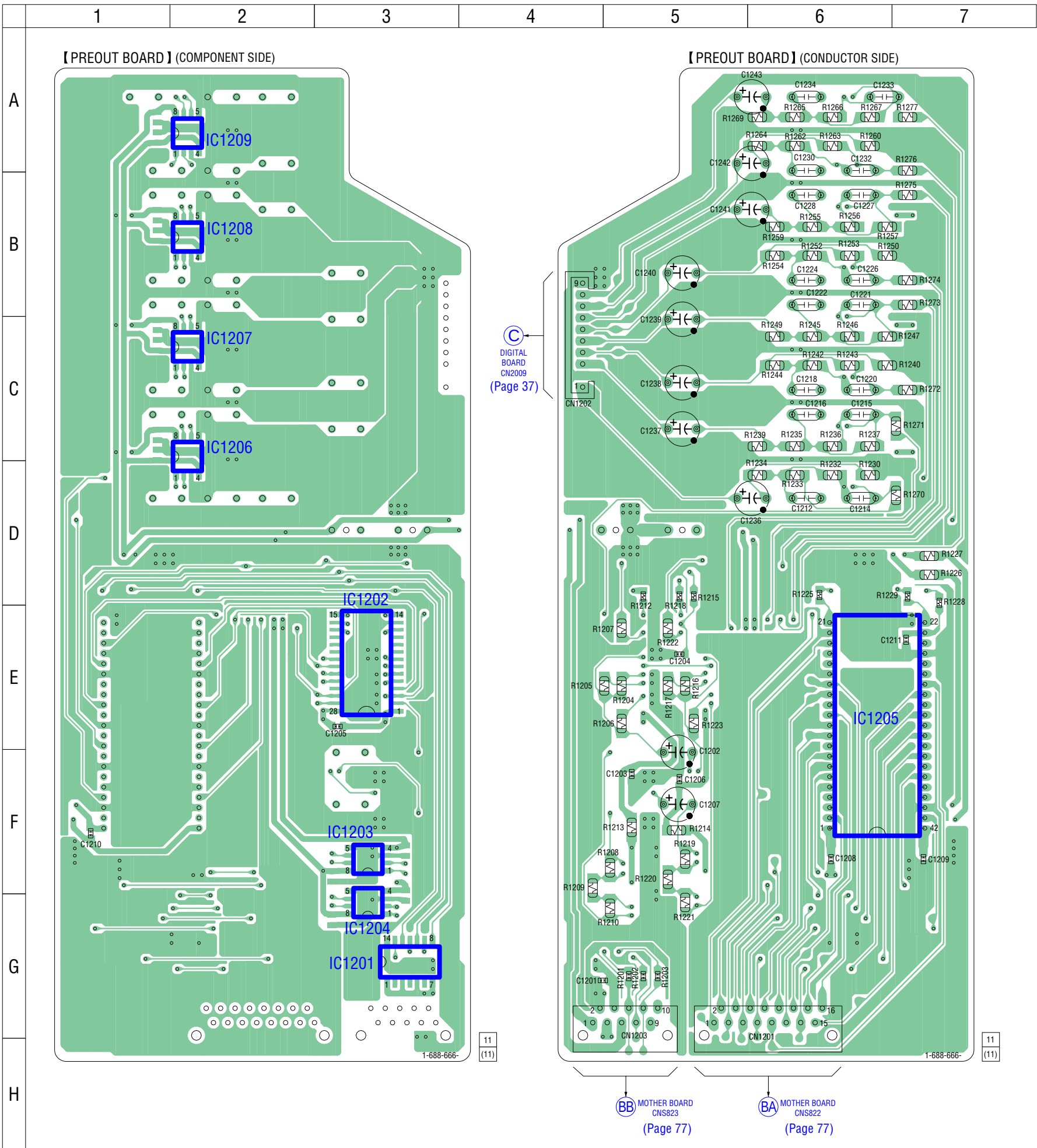
6-41. SCHEMATIC DIAGRAM – I. LINK Board (4/4) –



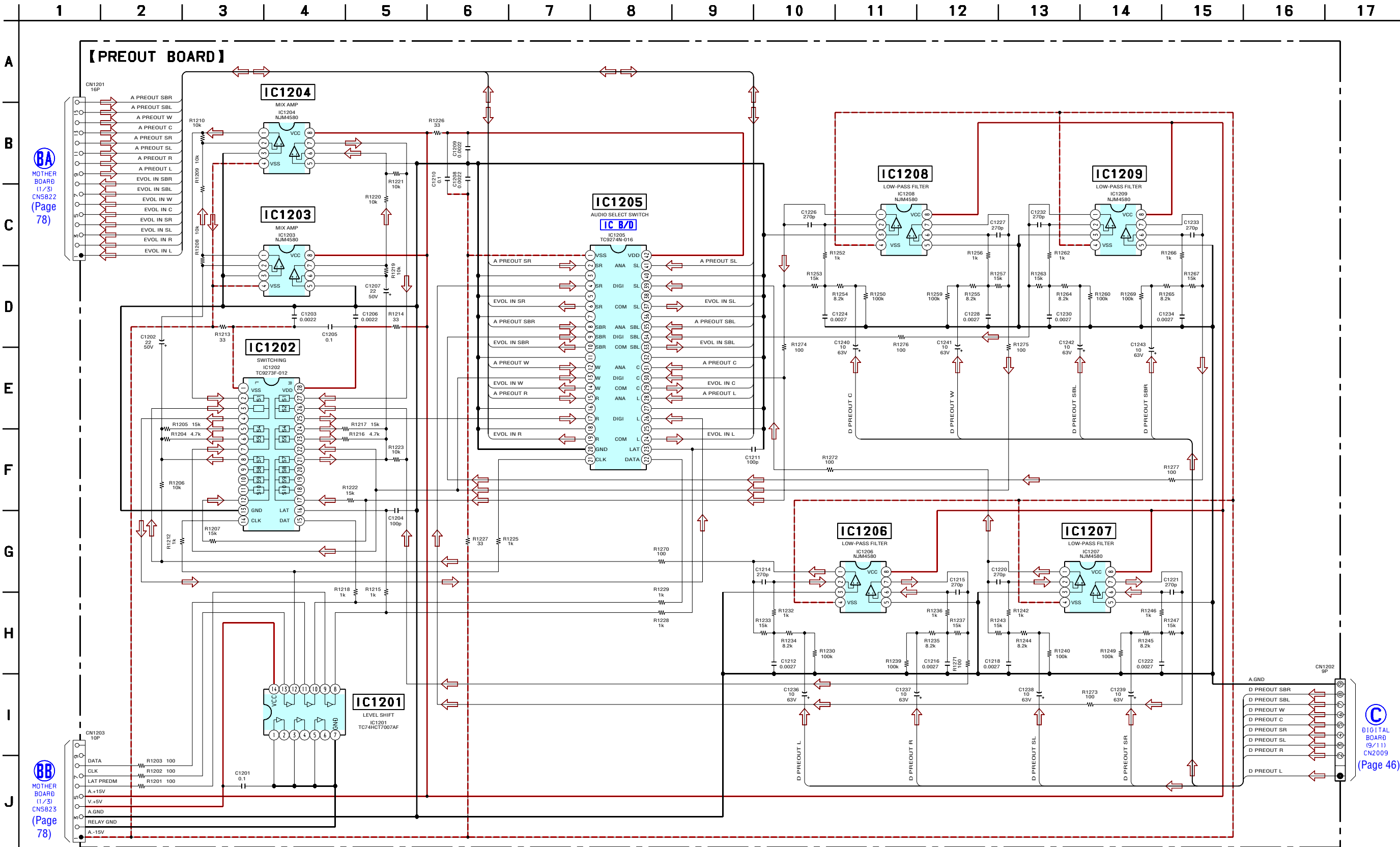
6-42. PRINTED WIRING BOARD – PREOUT Board – • See page 35 for Circuit Boards Location. :Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
IC1201	G-3
IC1202	E-3
IC1203	F-3
IC1204	G-3
IC1205	E-6
IC1206	C-2
IC1207	C-2
IC1208	B-2
IC1209	A-2



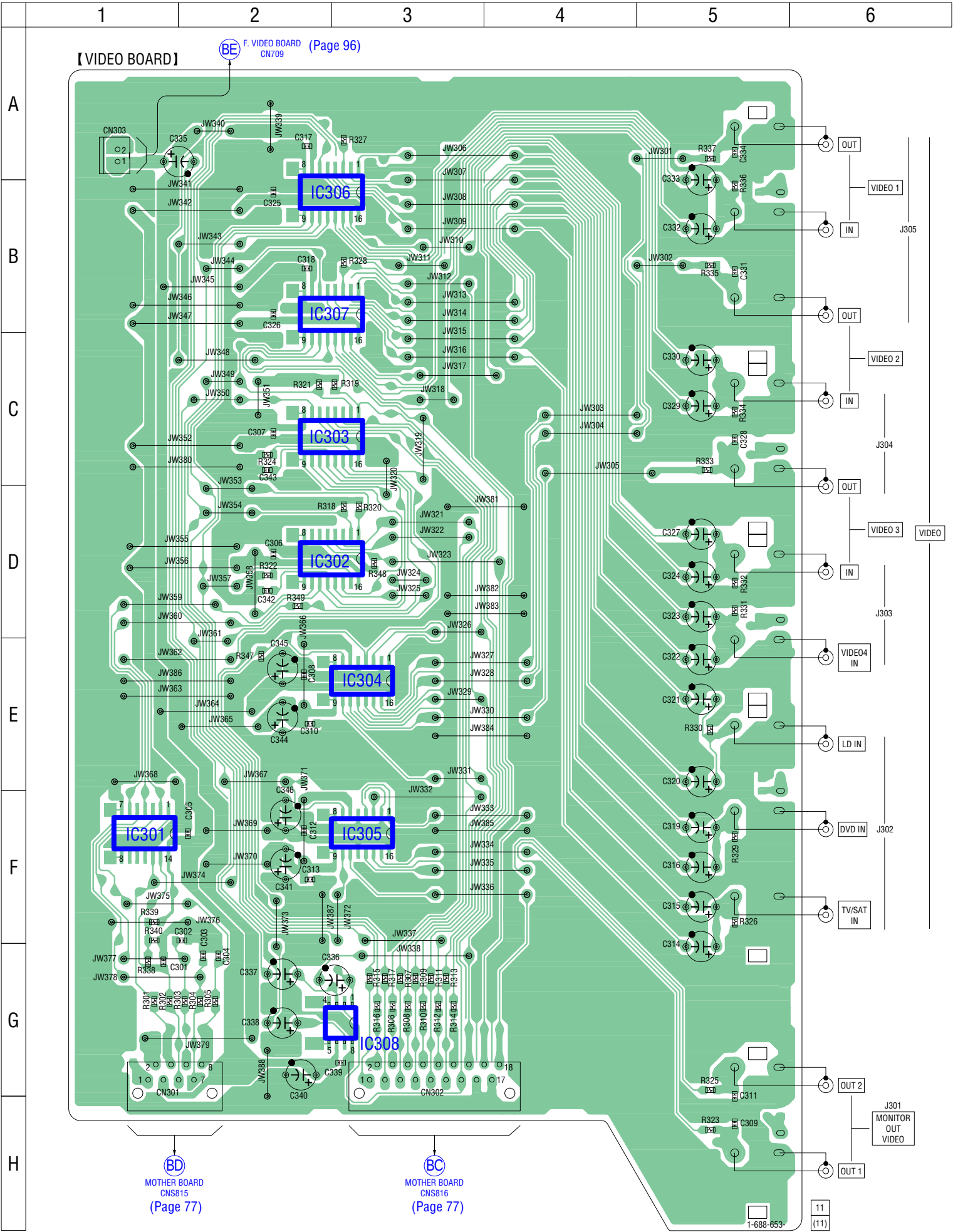
6-43. SCHEMATIC DIAGRAM - PREOUT Board -



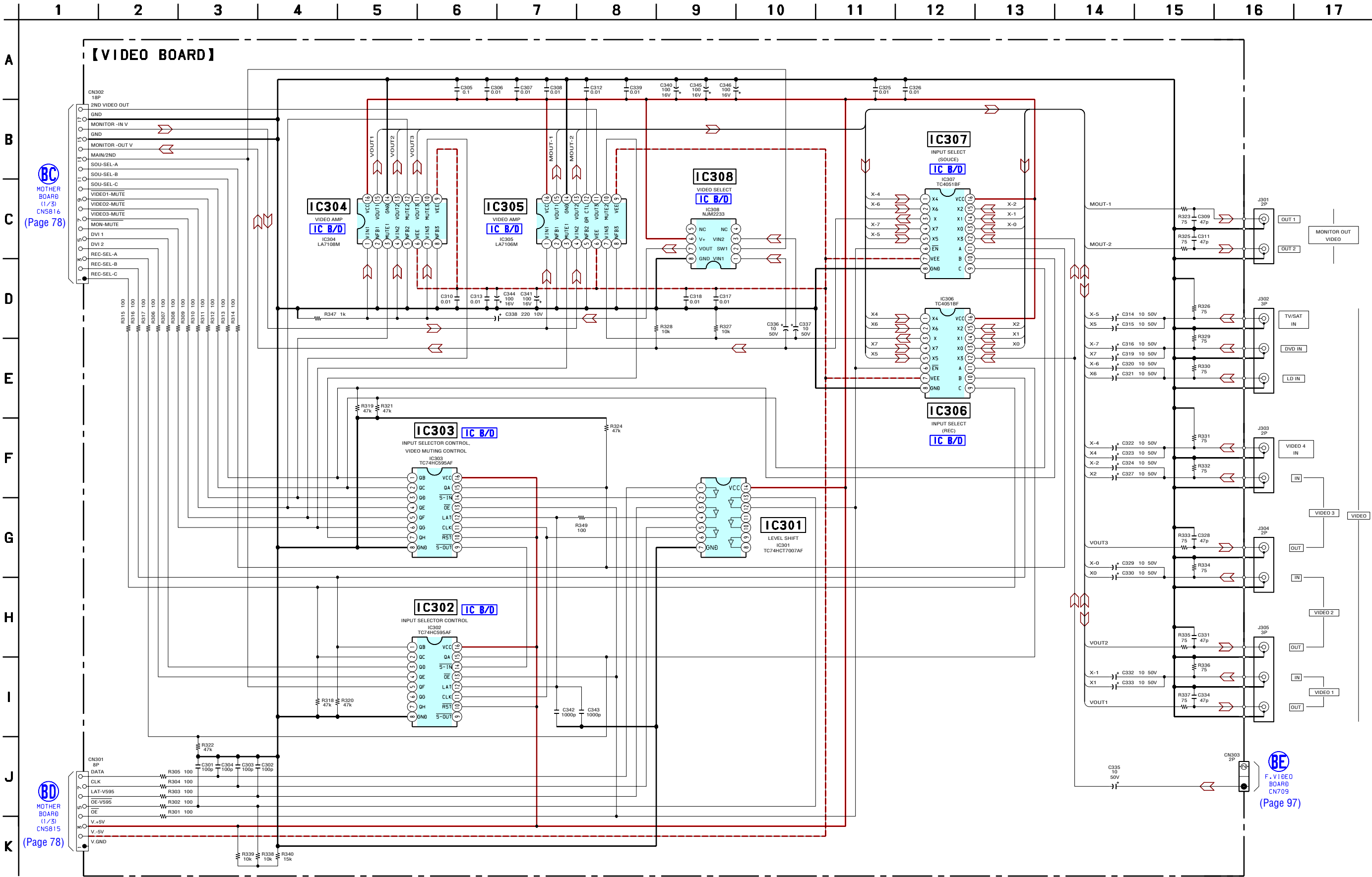
6-44. PRINTED WIRING BOARD – VIDEO Board – • See page 35 for Circuit Boards Location.  :Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
IC301	F-1
IC302	D-2
IC303	C-2
IC304	E-3
IC305	F-3
IC306	B-2
IC307	B-2
IC308	G-3



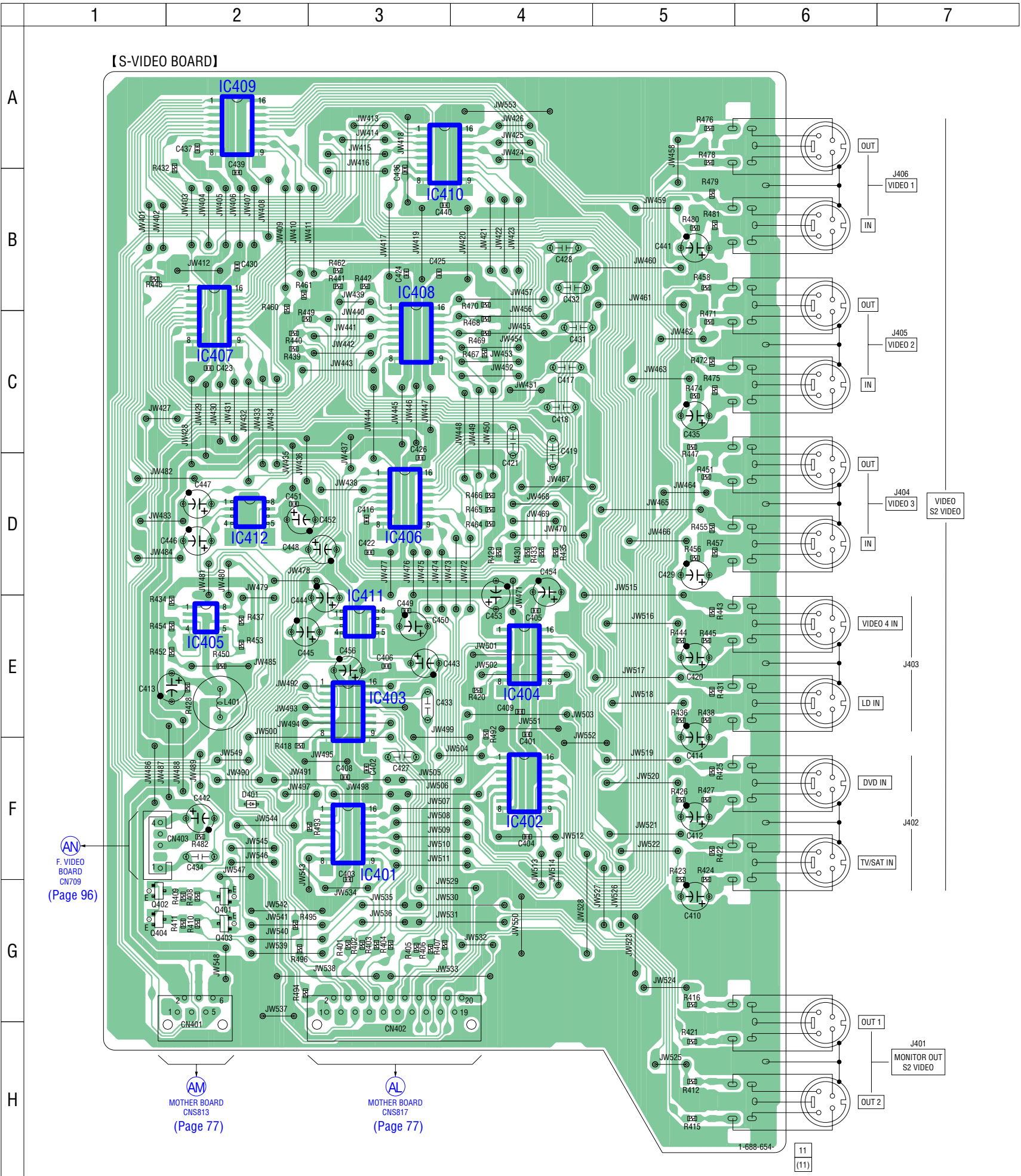
6-45. SCHEMATIC DIAGRAM - VIDEO Board -



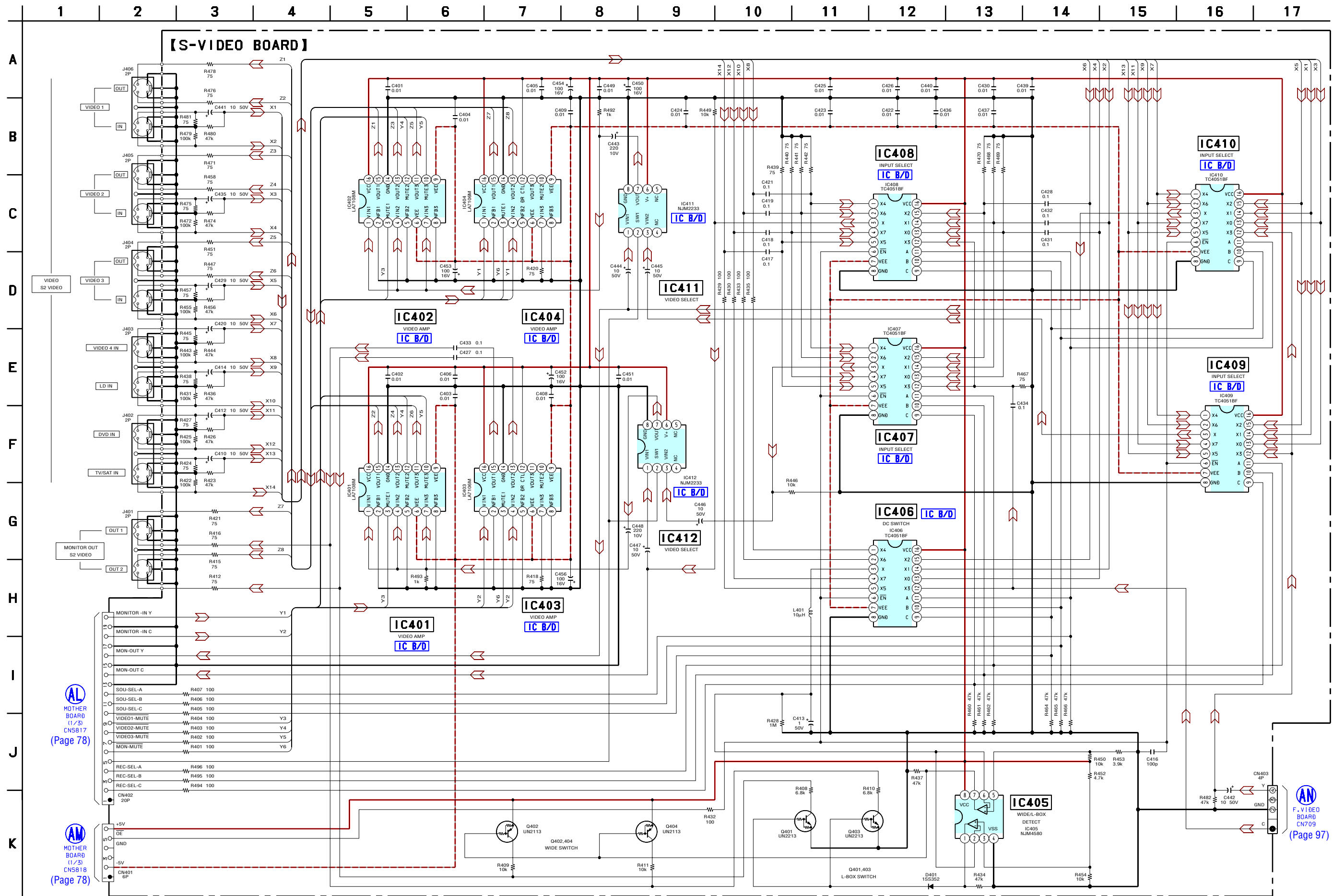
6-46. PRINTED WIRING BOARD – S-VIDEO Board – • See page 35 for Circuit Boards Location.  :Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D401	F-2
IC401	F-3
IC402	F-4
IC403	E-3
IC404	E-4
IC405	E-2
IC406	D-3
IC407	C-2
IC408	C-3
IC409	A-2
IC410	A-3
IC411	E-3
IC412	D-2
Q401	G-2
Q402	G-1
Q403	G-2
Q404	G-1



6-47. SCHEMATIC DIAGRAM – S-VIDEO Board –

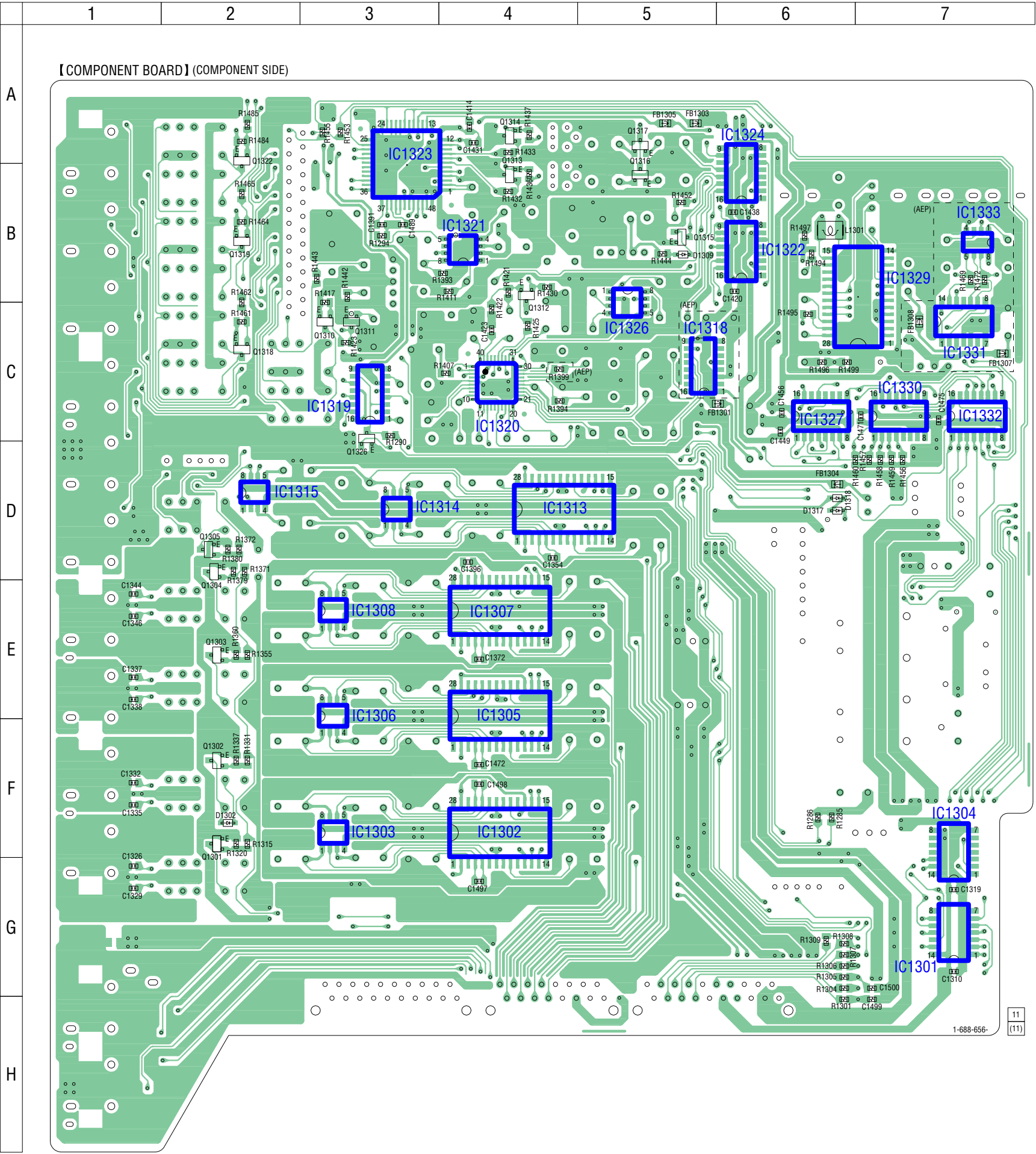


6-48. PRINTED WIRING BOARD – COMPONENT Section (Component Side) – • See page 35 for Circuit Boards Location.

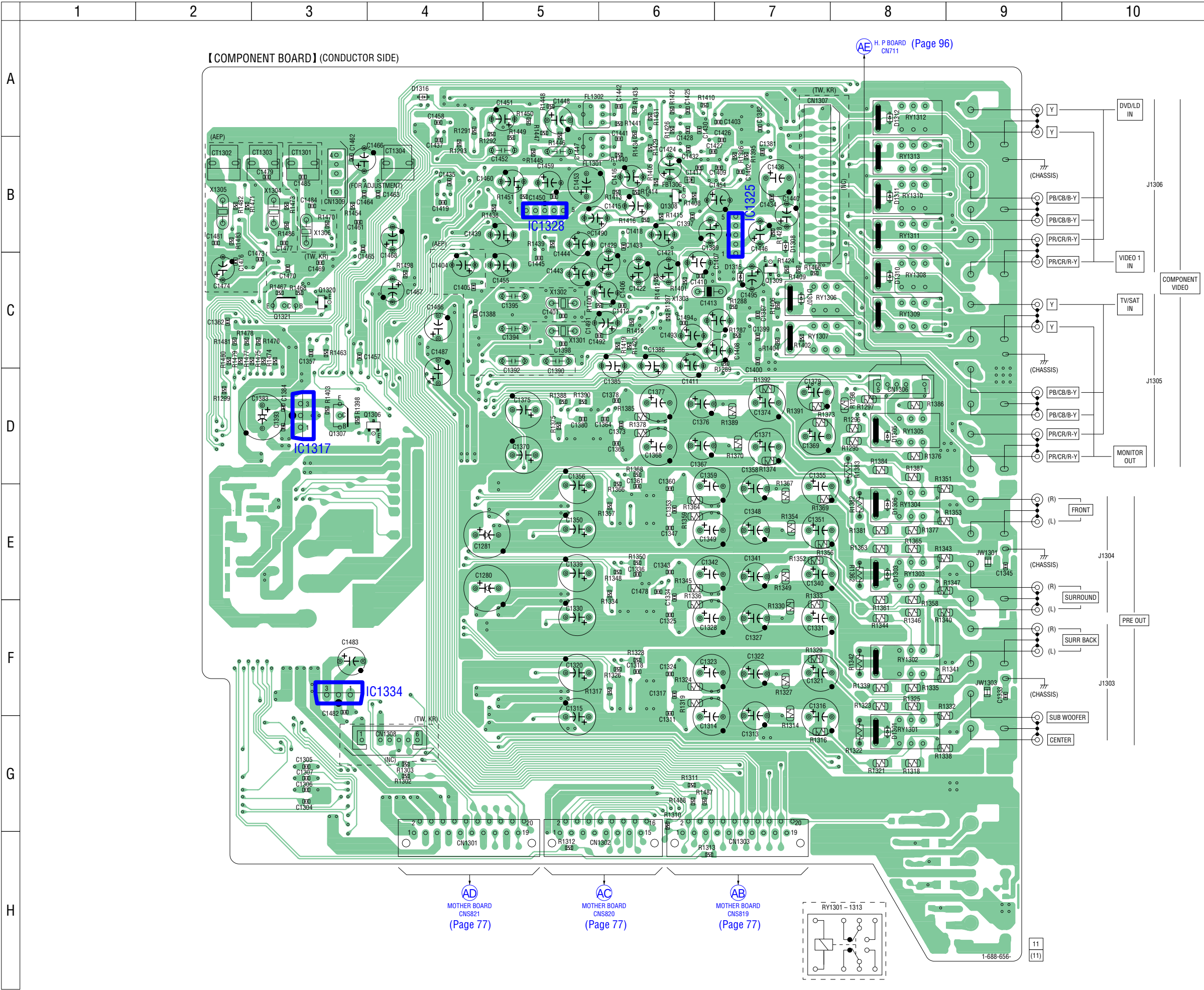
 :Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D1302	F-2
D1309	B-5
D1317	D-6
D1318	D-6
IC1301	G-7
IC1302	F-4
IC1303	F-3
IC1304	F-7
IC1305	E-4
IC1306	E-3
IC1307	E-4
IC1308	E-3
IC1313	D-4
IC1314	D-3
IC1315	D-2
IC1318	C-5
IC1319	C-3
IC1320	C-4
IC1321	B-4
IC1322	B-6
IC1323	B-3
IC1324	B-6
IC1326	C-5
IC1327	C-6
IC1329	B-7
IC1330	C-7
IC1331	C-7
IC1332	C-7
IC1333	B-7
Q1301	F-2
Q1302	F-2
Q1303	E-2
Q1304	D-2
Q1305	D-2
Q1310	C-3
Q1311	C-3
Q1312	B-4
Q1313	B-4
Q1314	A-4
Q1315	B-5
Q1316	B-5
Q1317	A-5
Q1318	C-2
Q1319	B-2
Q1322	A-2
Q1326	C-3



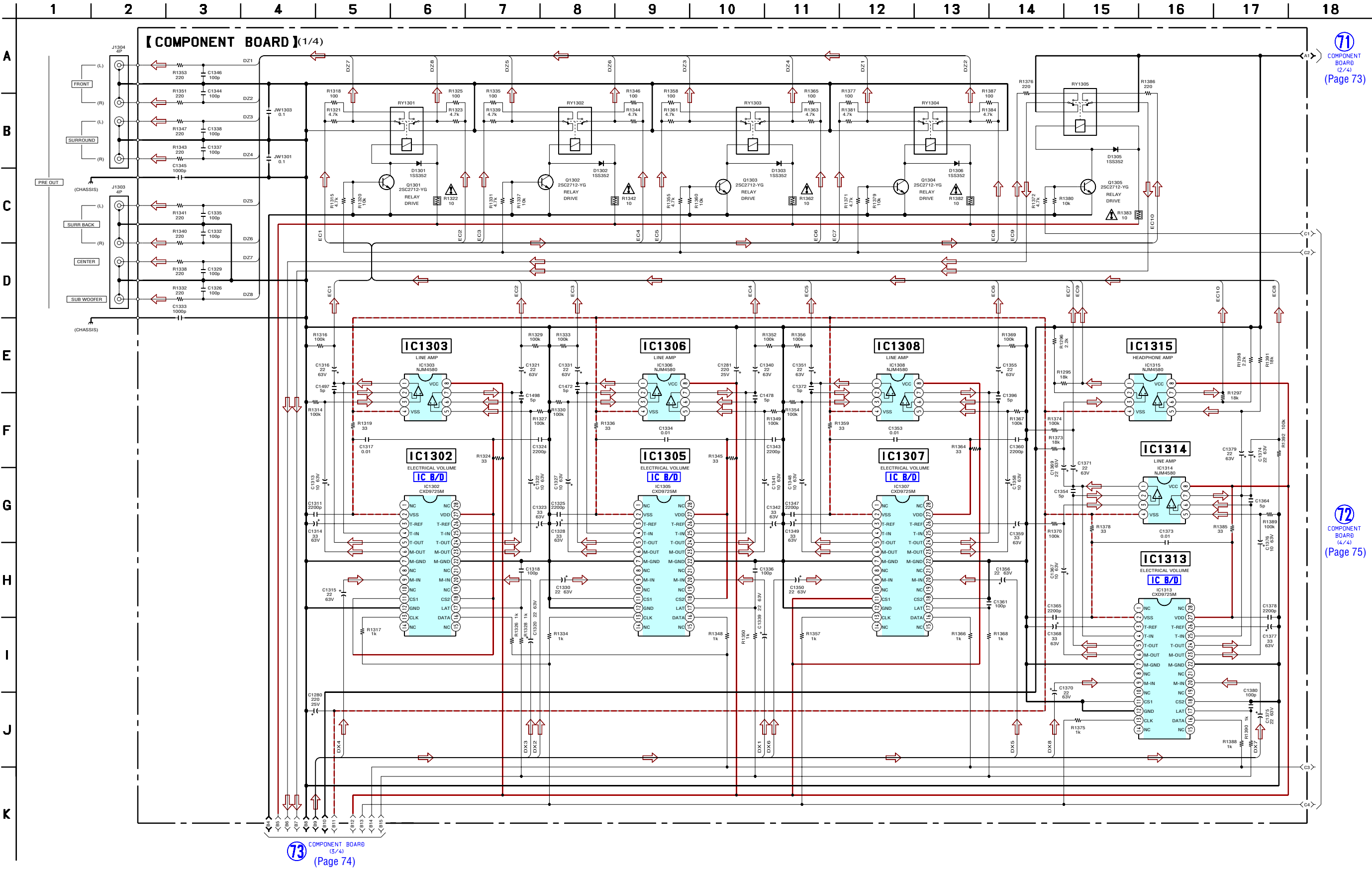
6-49. PRINTED WIRING BOARD – COMPONENT Section (Conductor Side) – • See page 35 for Circuit Boards Location.  :Uses unleaded solder.



• Semiconductor Location

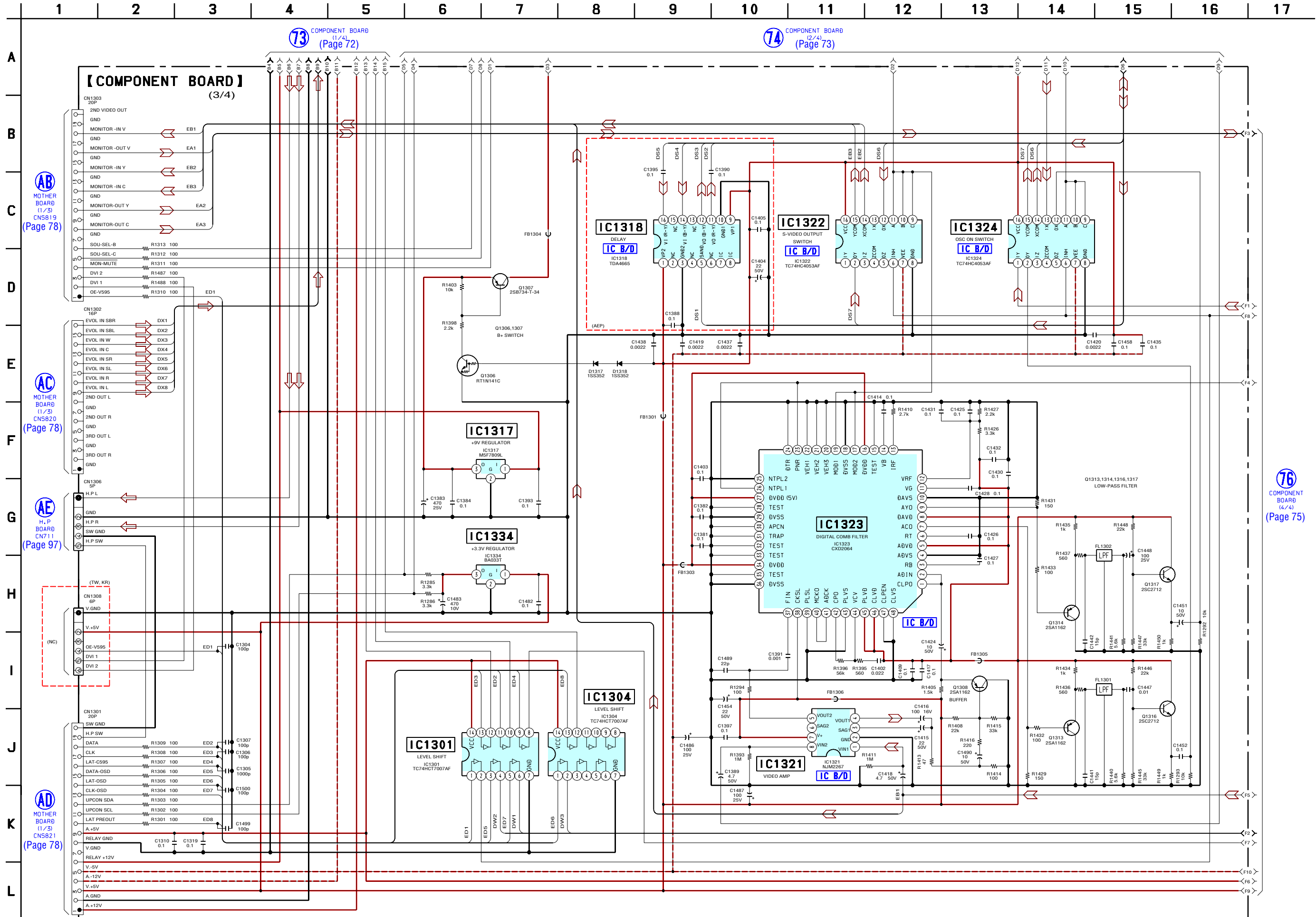
Ref. No.	Location
D1301	G-8
D1303	E-8
D1305	D-8
D1306	E-8
D1307	C-7
D1308	B-7
D1310	C-8
D1311	B-8
D1312	A-8
D1315	C-7
D1316	A-4
IC1317	D-3
IC1325	B-7
IC1328	B-5
IC1334	F-3
Q1306	D-4
Q1307	D-3
Q1308	B-6
Q1309	C-7
Q1320	C-3
Q1321	C-3

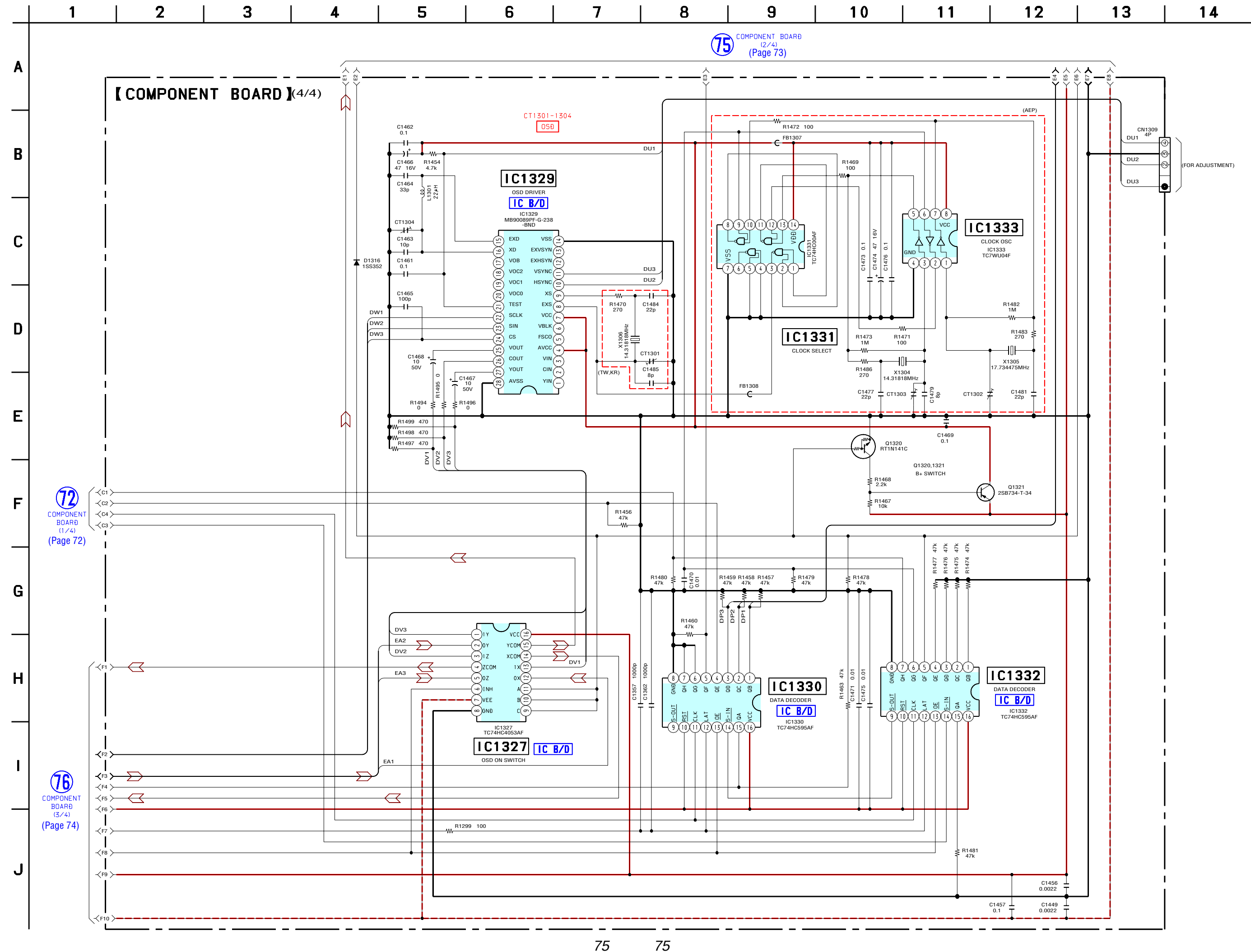
6-50. SCHEMATIC DIAGRAM – COMPONENT Section (1/4) –



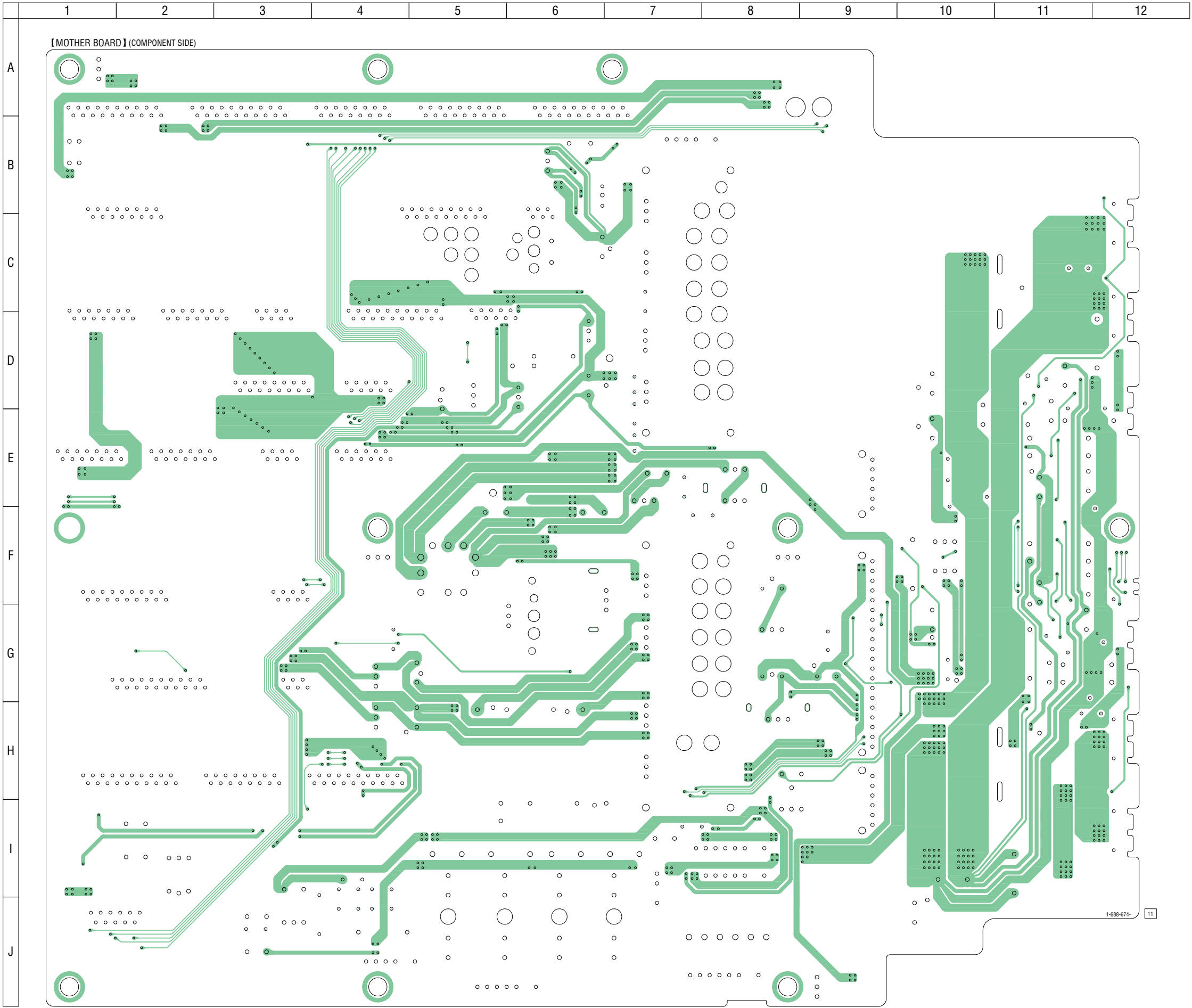


6-52. SCHEMATIC DIAGRAM – COMPONENT Section (3/4) –





6-54. PRINTED WIRING BOARD – MOTHER Board (Component Side) – • See page 35 for Circuit Boards Location.  :Uses unleaded solder.



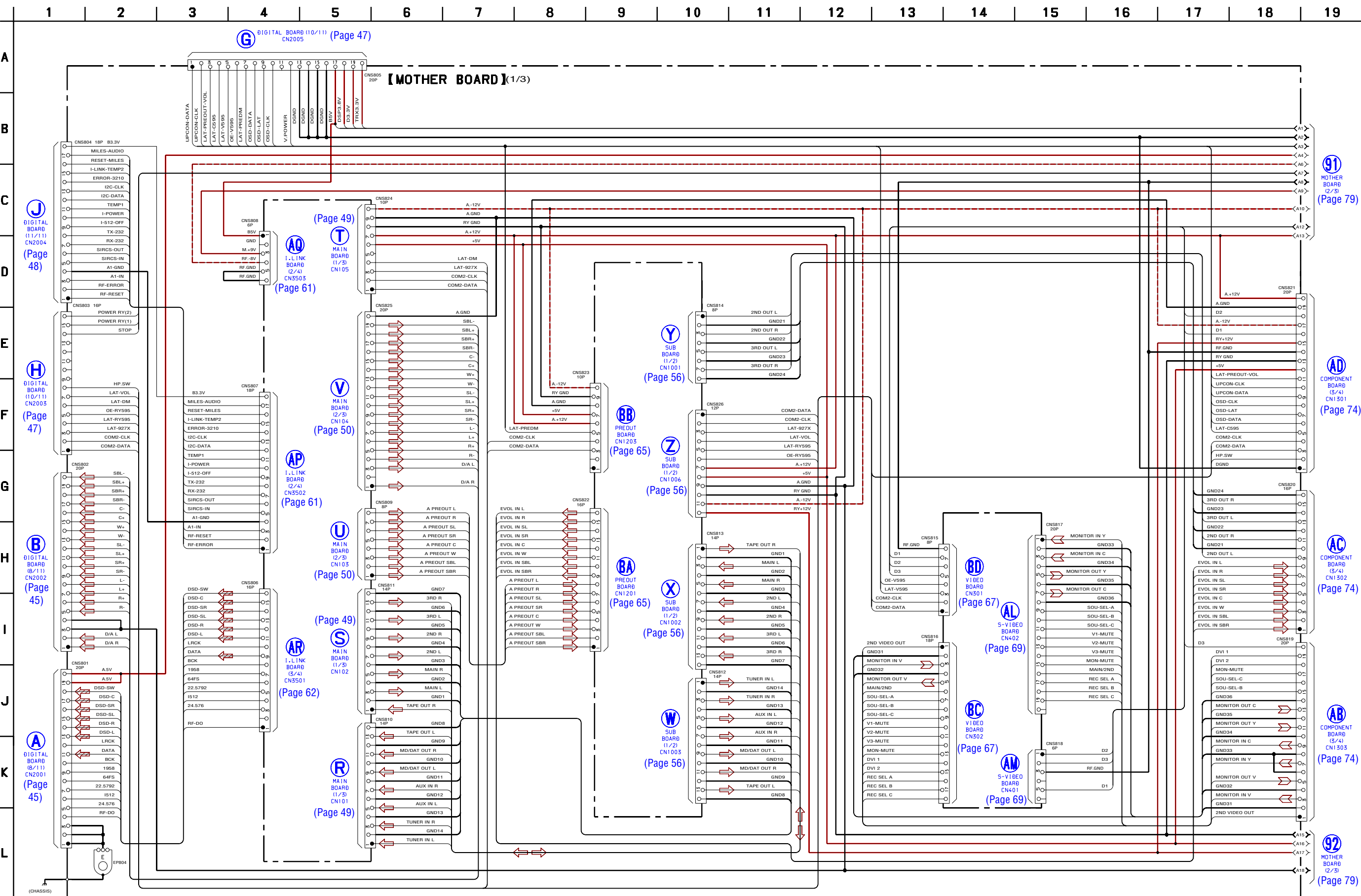
4



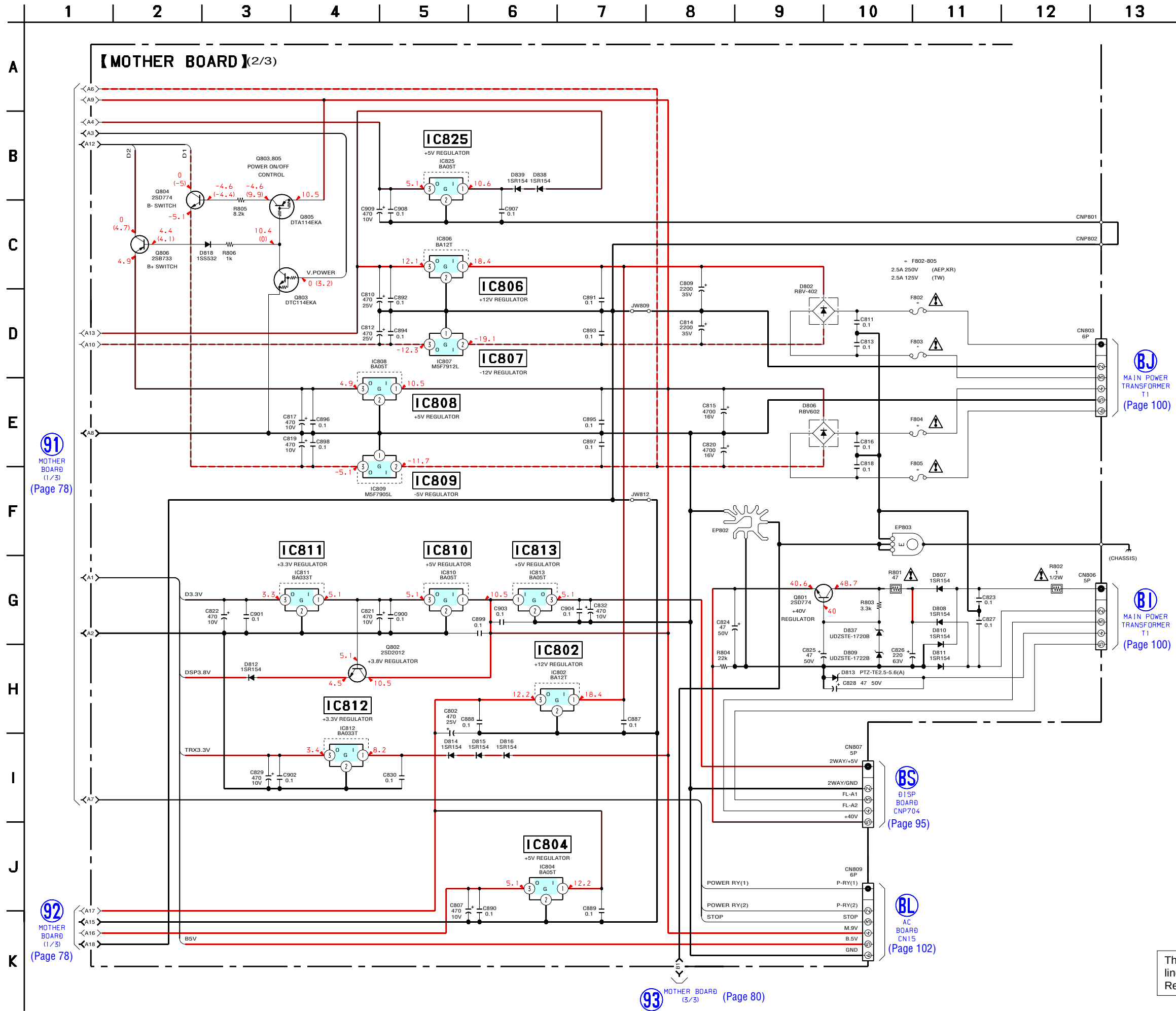
- **Semiconductor Location**

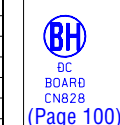
Ref. No.	Location
D802	I-6
D806	I-8
D807	J-9
D808	J-9
D809	J-10
D810	J-9
D811	J-9
D812	C-6
D813	J-10
D814	D-6
D815	E-6
D816	E-6
D818	G-9
D837	J-10
D838	E-5
D839	F-5
D840	G-1
D841	G-1
D842	G-1
D843	D-1
D844	D-1
D845	D-1
D846	C-1
D847	H-1
IC802	G-7
IC804	D-8
IC806	F-6
IC807	G-6
IC808	H-6
IC809	G-6
IC810	C-6
IC811	C-6
IC812	D-6
IC813	F-6
IC816	E-3
IC817	F-2
IC818	E-2
IC819	G-3
IC820	G-5
IC821	H-4
IC822	H-6
IC823	I-4
IC825	F-5
Q801	J-9
Q802	D-6
Q803	G-8
Q804	G-9
Q805	G-8
Q806	H-9
Q807	H-1
Q808	D-1
Q809	H-1
Q810	D-2
Q811	E-3
Q812	G-2
Q813	G-1
Q814	D-2
Q815	E-1
Q817	F-3
Q820	G-2
Q821	E-2
Q822	G-1
Q823	E-1
Q824	F-3
Q825	F-3
Q826	E-3
Q827	F-2
Q828	G-4
Q829	G-4
Q833	I-5
Q834	I-5
Q836	G-1
Q837	F-1

6-56. SCHEMATIC DIAGRAM – MOTHER Board (1/3) –



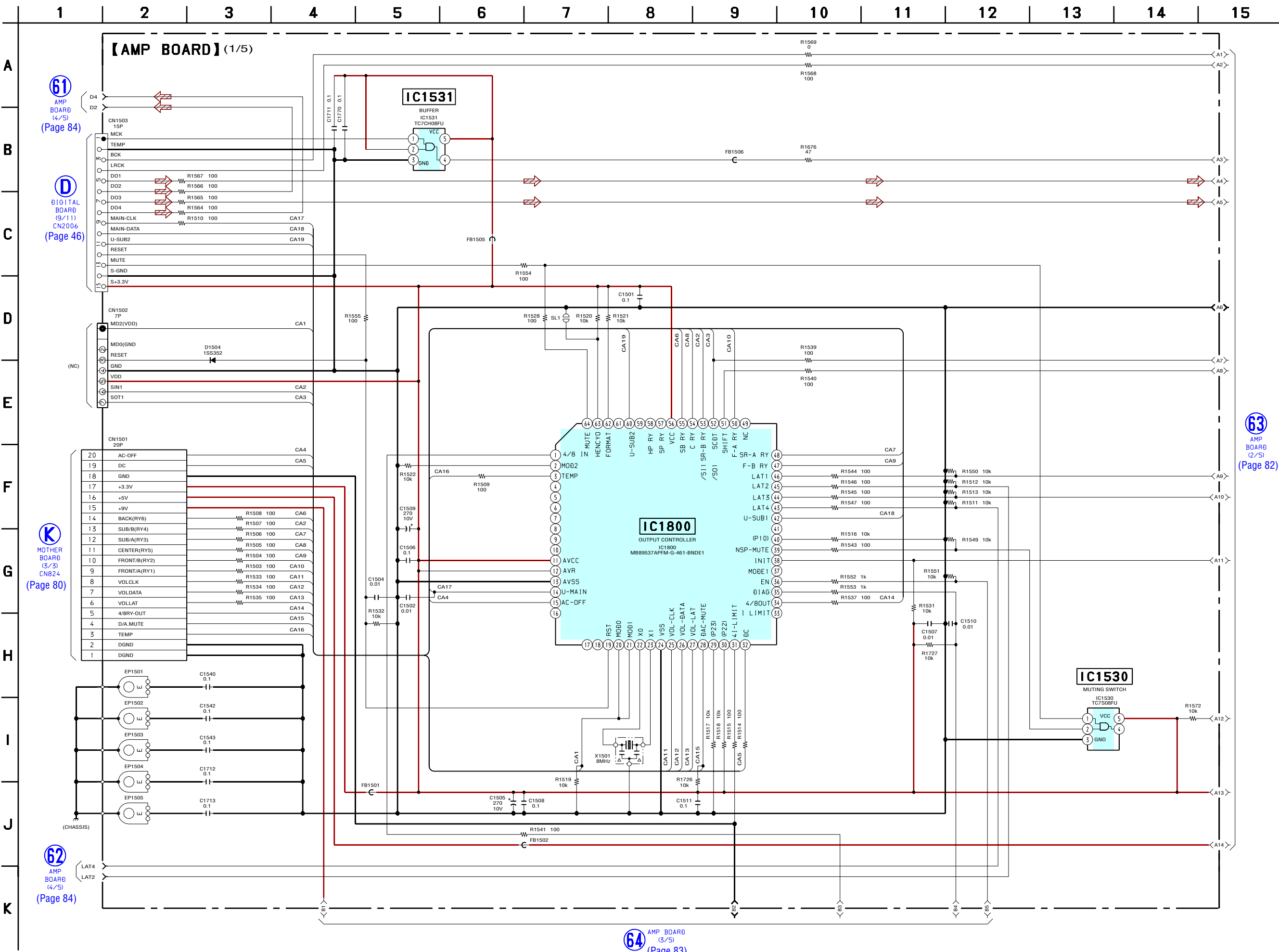
6-57. SCHEMATIC DIAGRAM – MOTHER Board (2/3) –



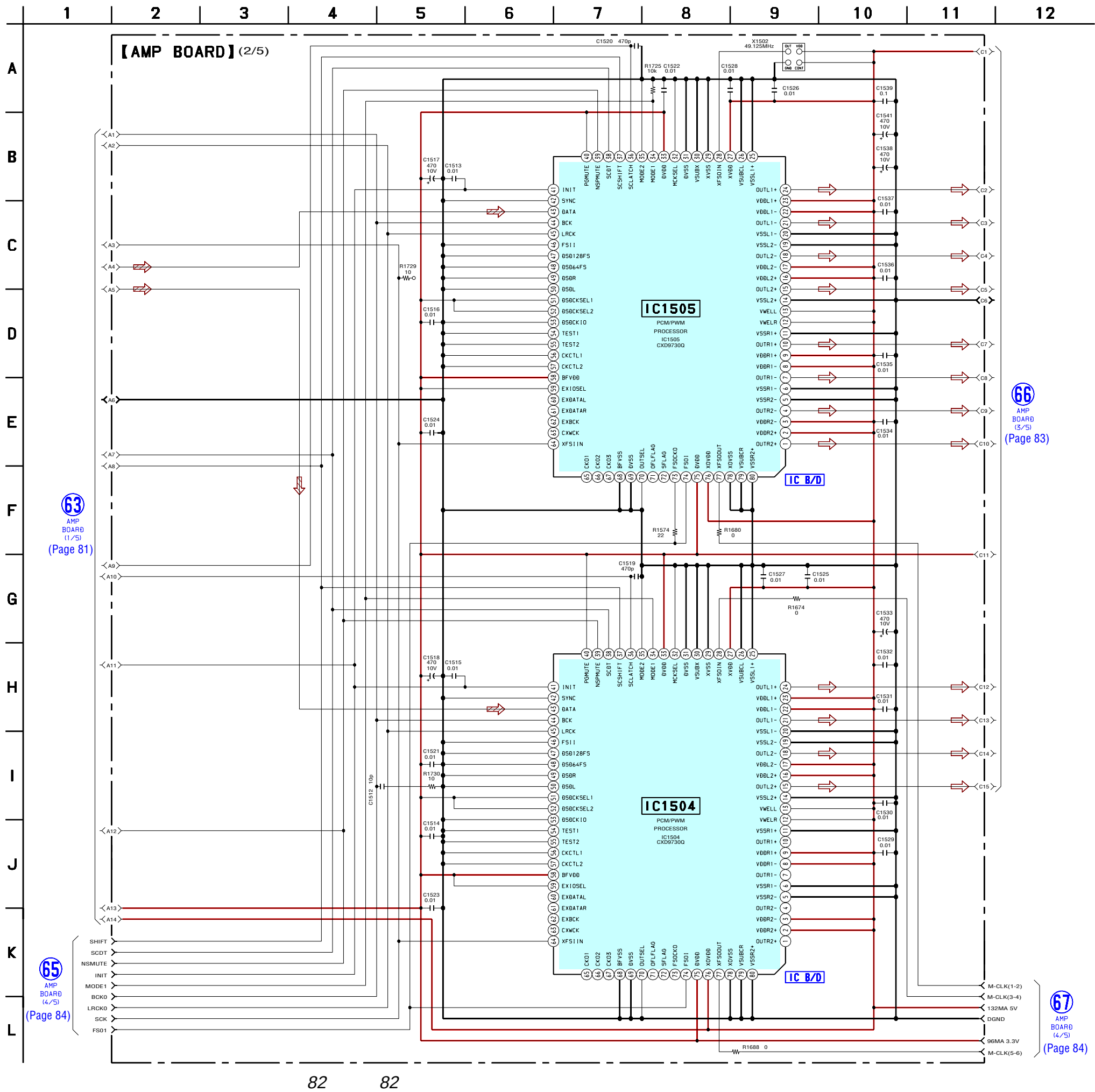


80 80

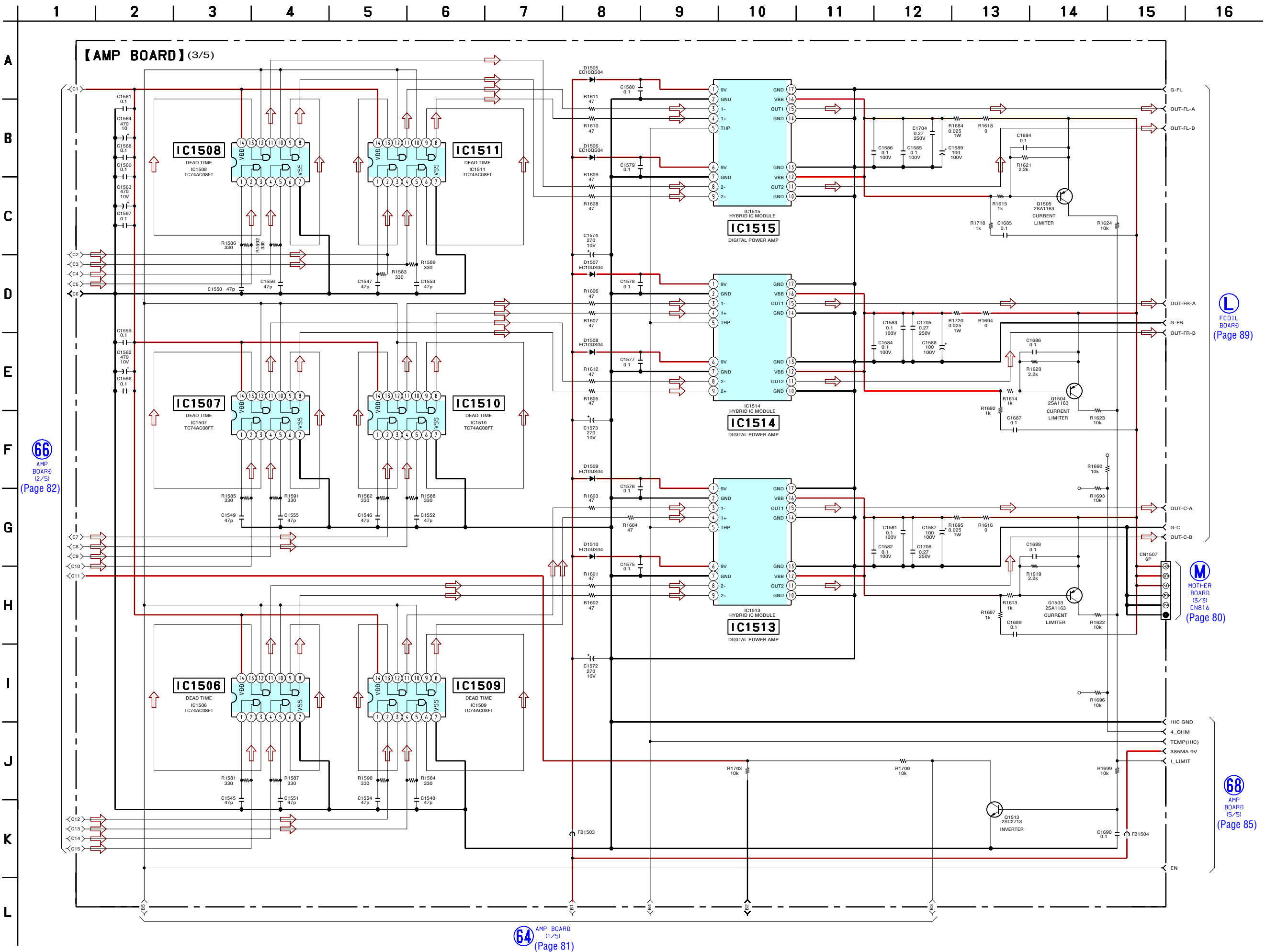
6-59. SCHEMATIC DIAGRAM – AMP Board (1/5) –



6-60. SCHEMATIC DIAGRAM – AMP Board (2/5) –



6-61. SCHEMATIC DIAGRAM – AMP Board (3/5) –



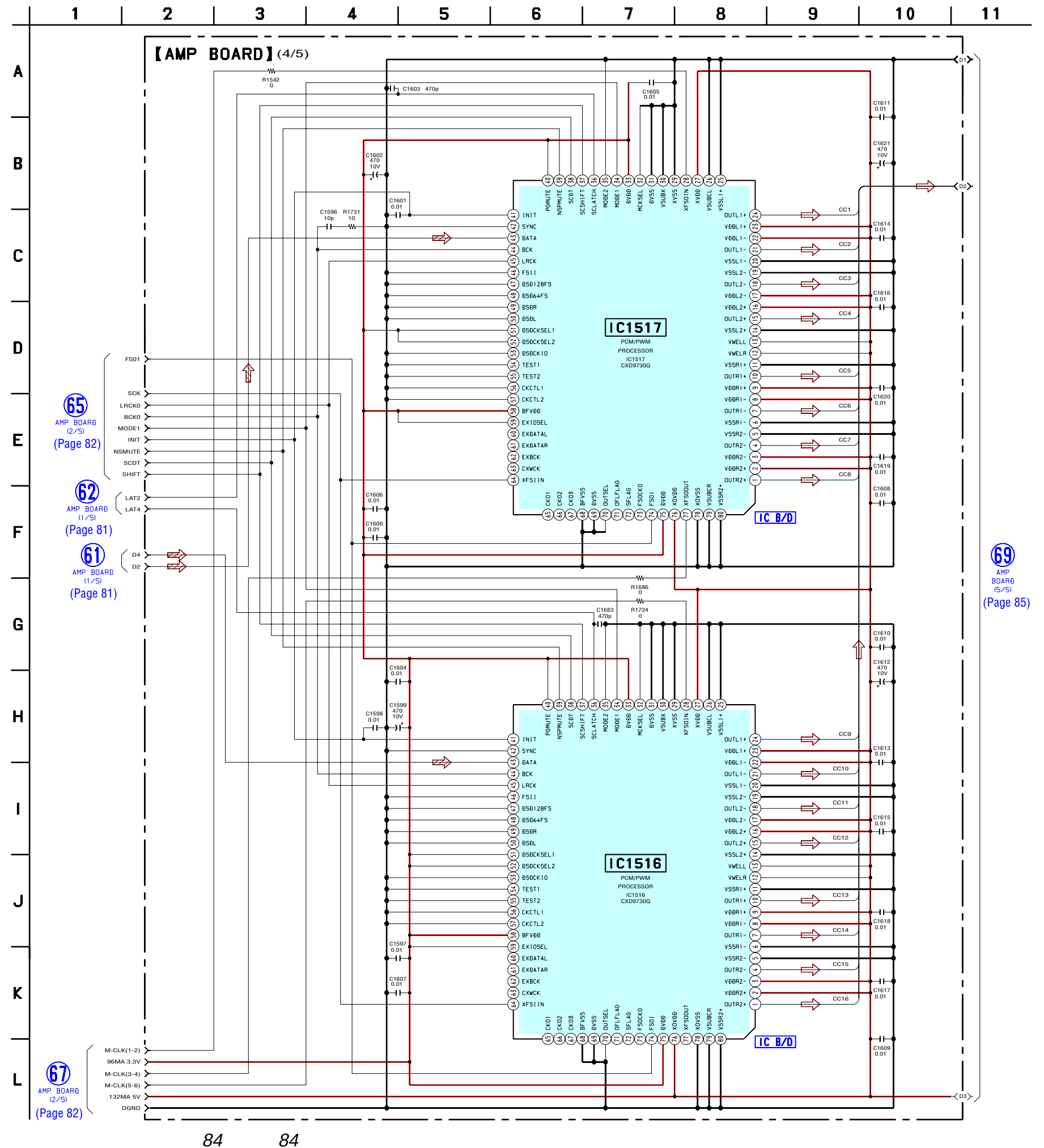
FCOIL BOARD (Page 89)

MOTHER BOARD (3/3) CN816 (Page 80)

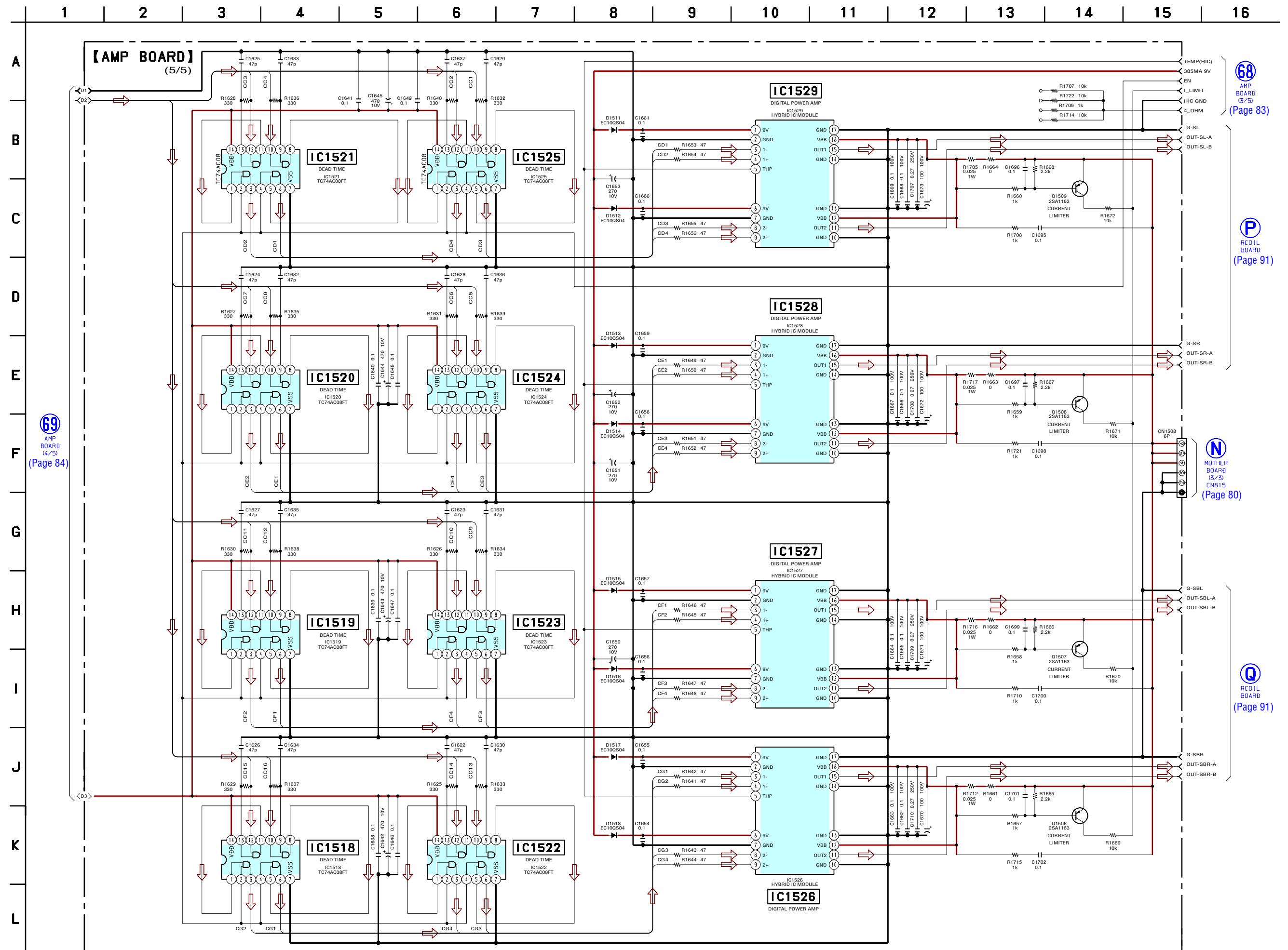
AMP BOARD (1/5) (Page 85)

AMP BOARD (1/5) (Page 81)

6-62. SCHEMATIC DIAGRAM – AMP Board (4/5) –



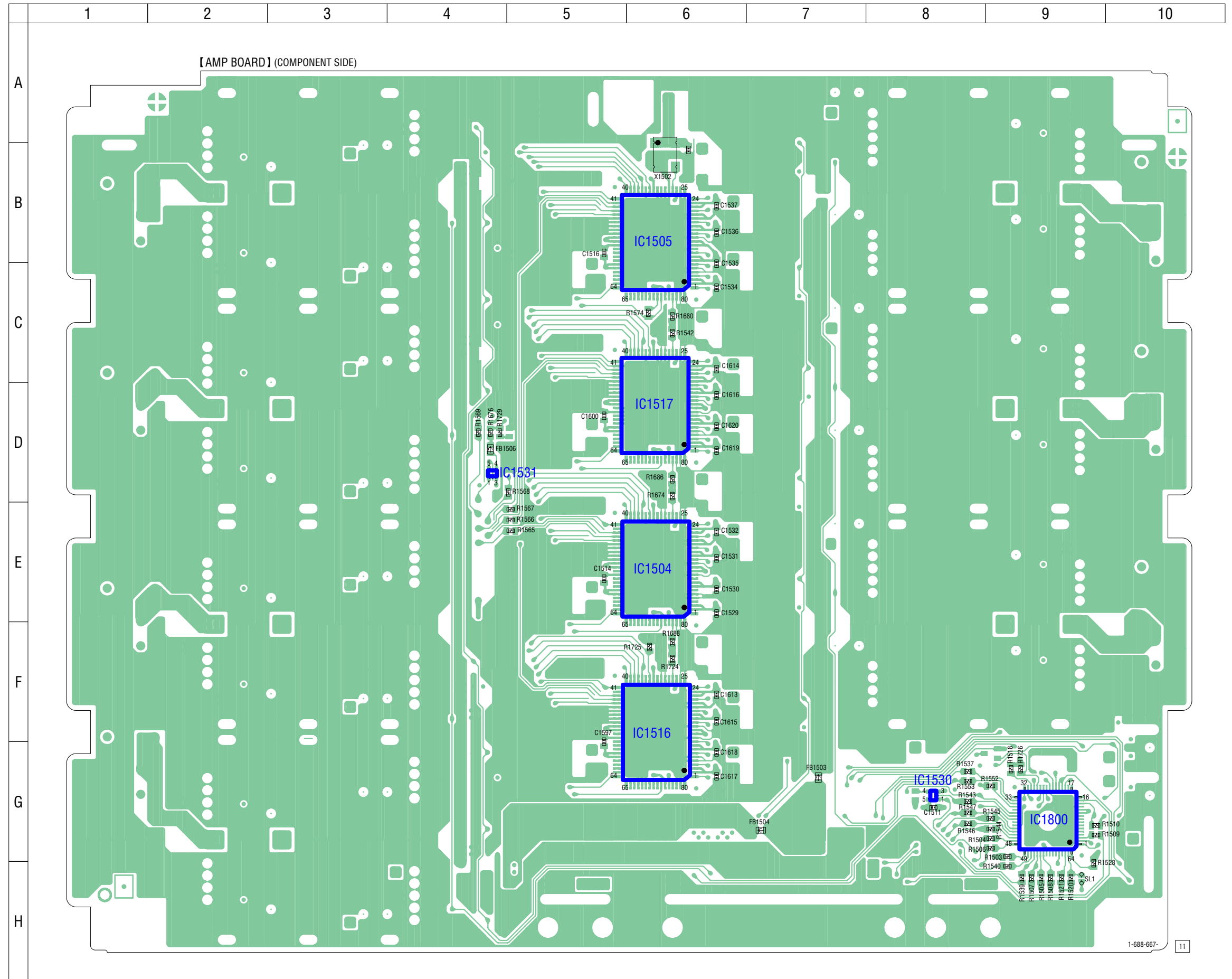
6-63. SCHEMATIC DIAGRAM – AMP Board (5/5) –



6-64. PRINTED WIRING BOARD – AMP Board (Component Side) – • See page 35 for Circuit Boards Location. :Uses unleaded solder.

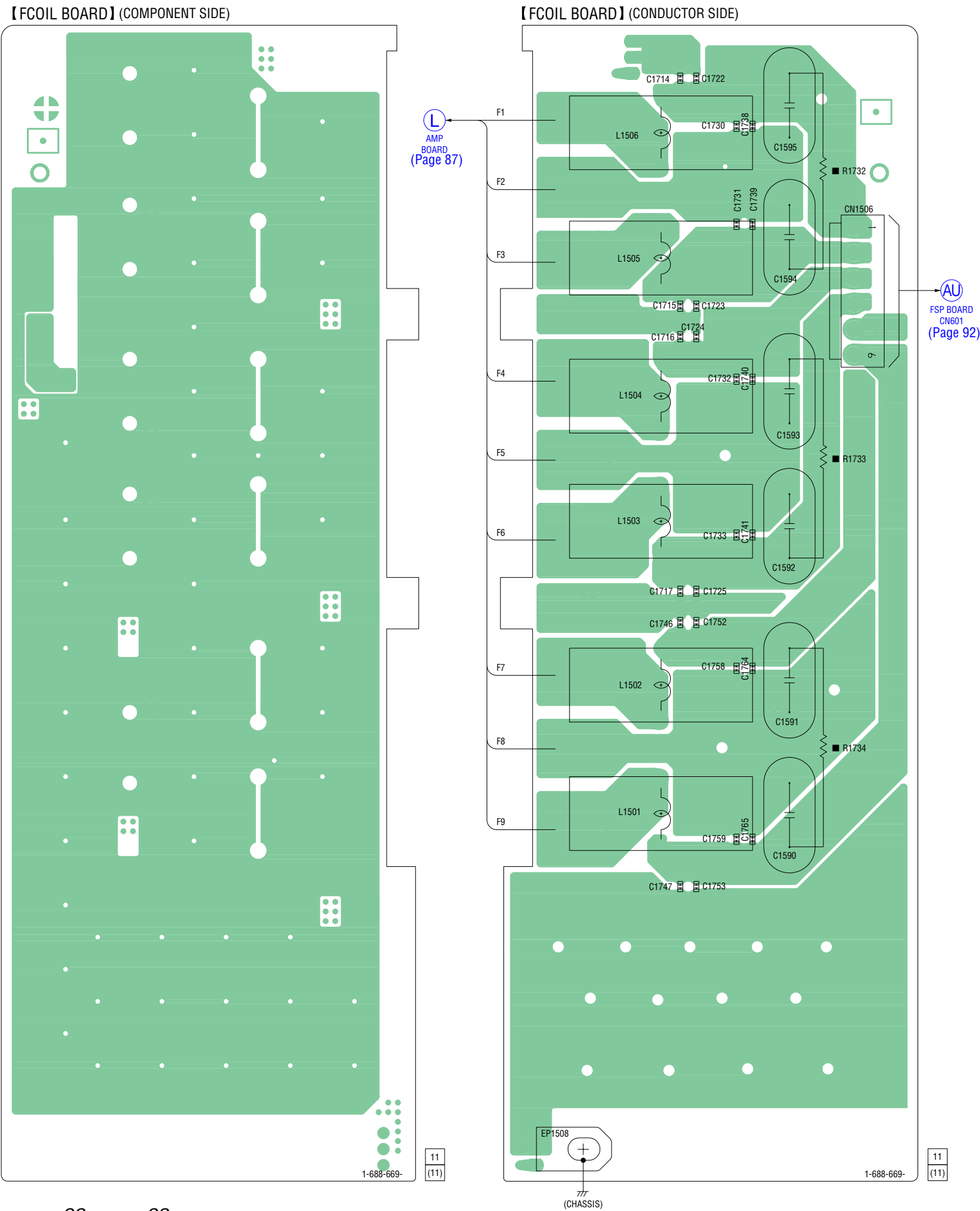
- **Semiconductor Location**

Ref. No.	Location
IC1504	E-6
IC1505	B-6
IC1516	F-6
IC1517	D-6
IC1530	G-8
IC1531	D-4
IC1800	G-9

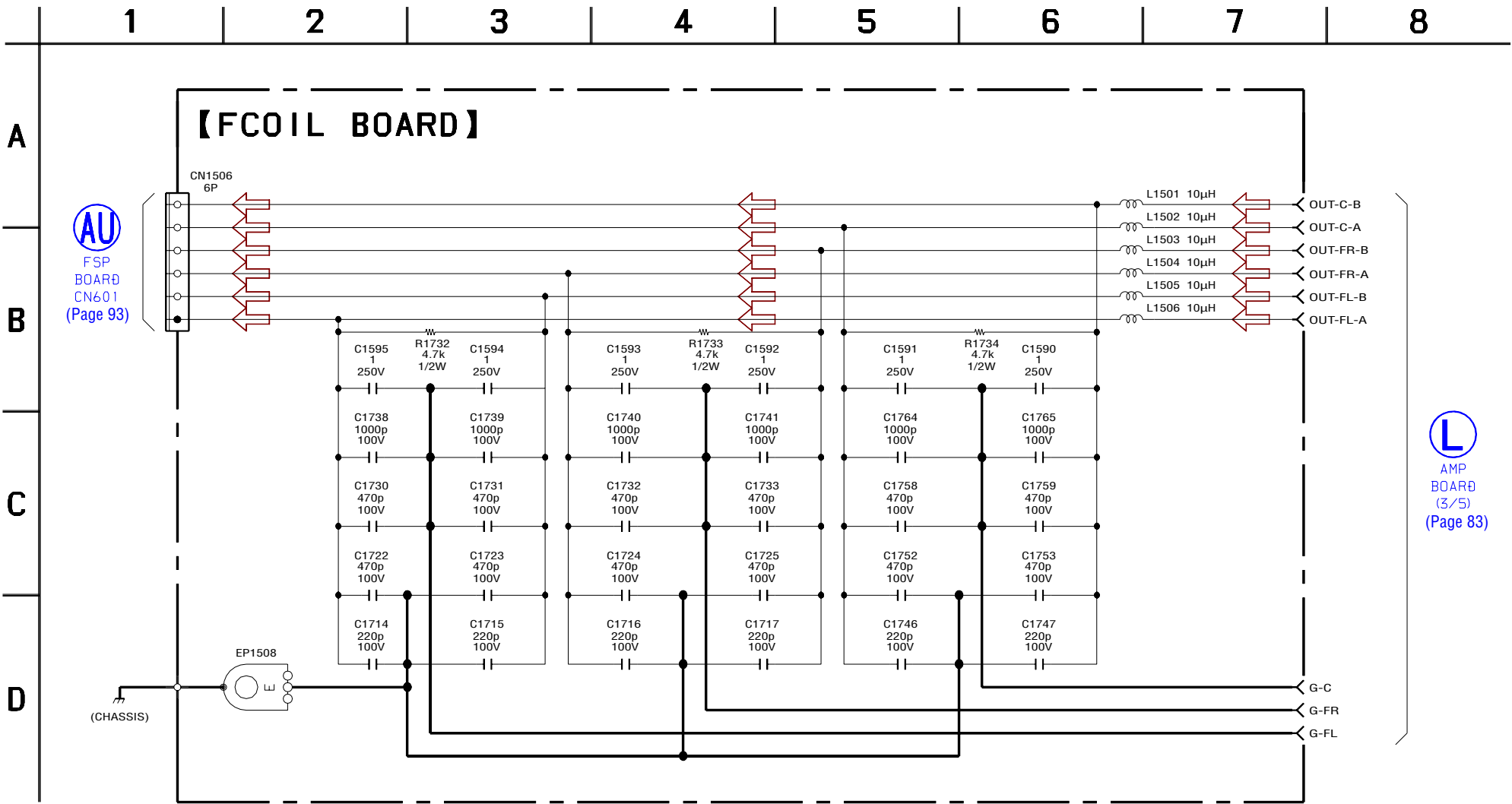




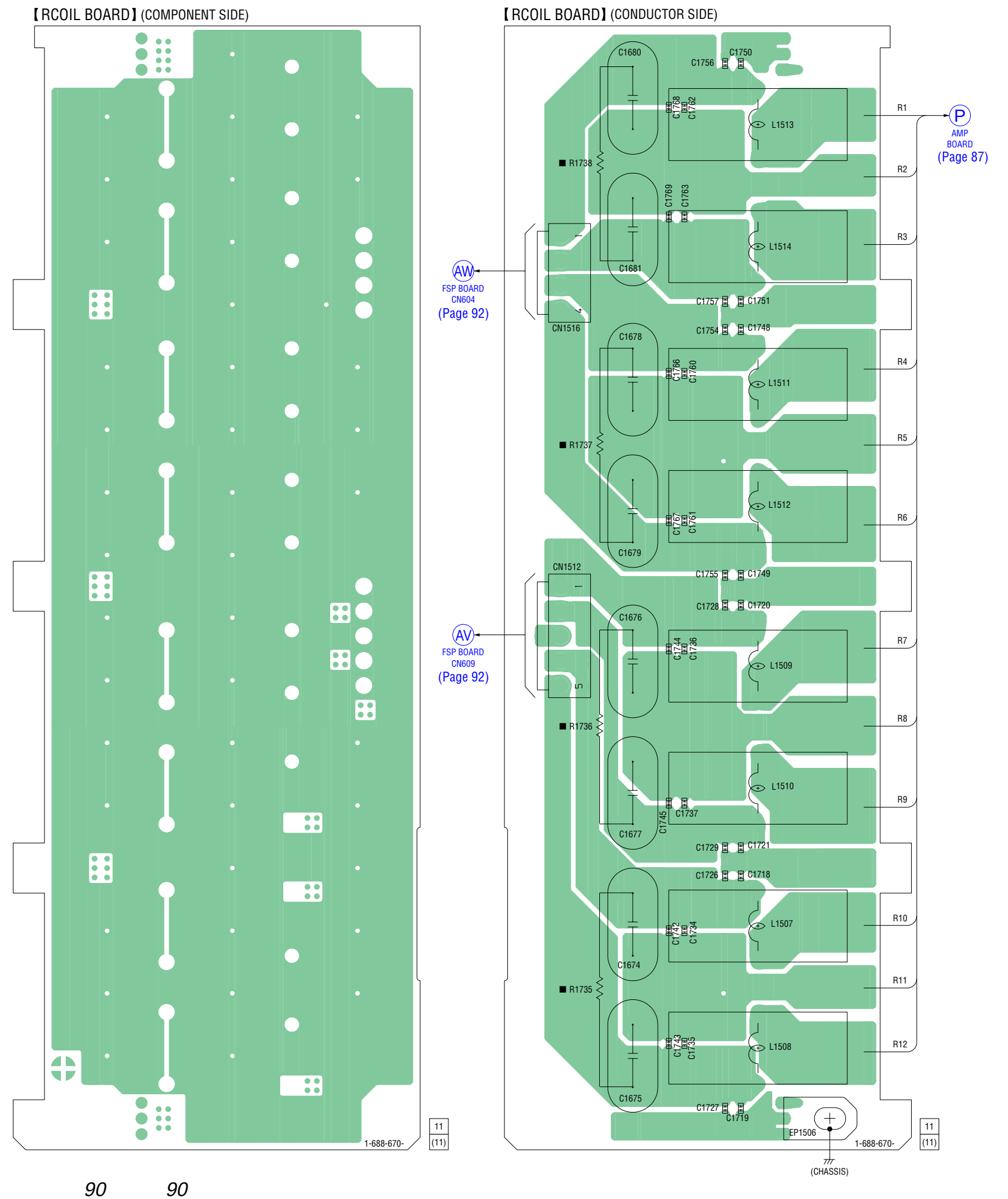
6-66. PRINTED WIRING BOARD – FCOIL Board – • See page 35 for Circuit Boards Location. :Uses unleaded solder.



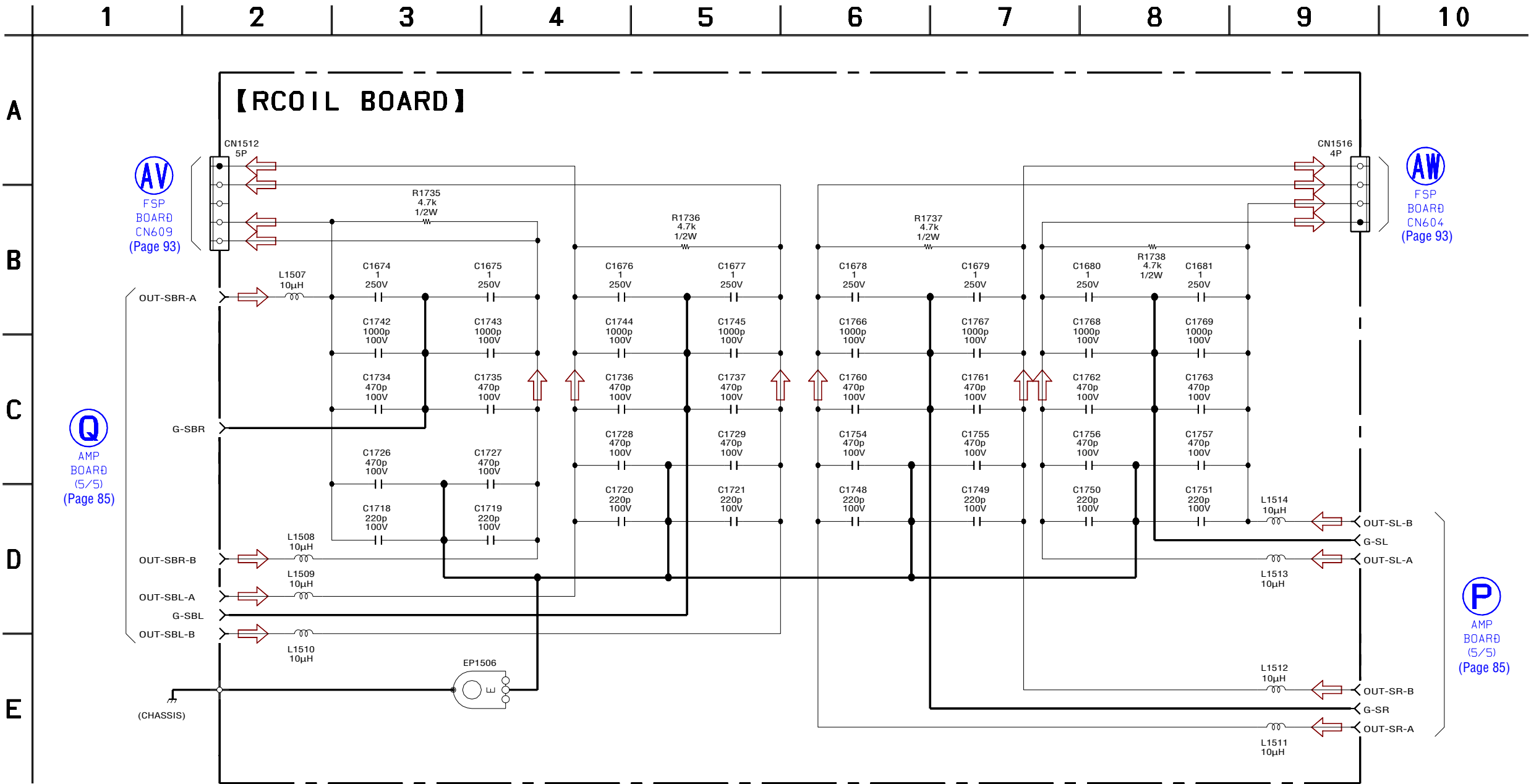
6-67. SCHEMATIC DIAGRAM – FCOIL Board –



6-68. PRINTED WIRING BOARD – RCOIL Board – • See page 35 for Circuit Boards Location. :Uses unleaded solder.



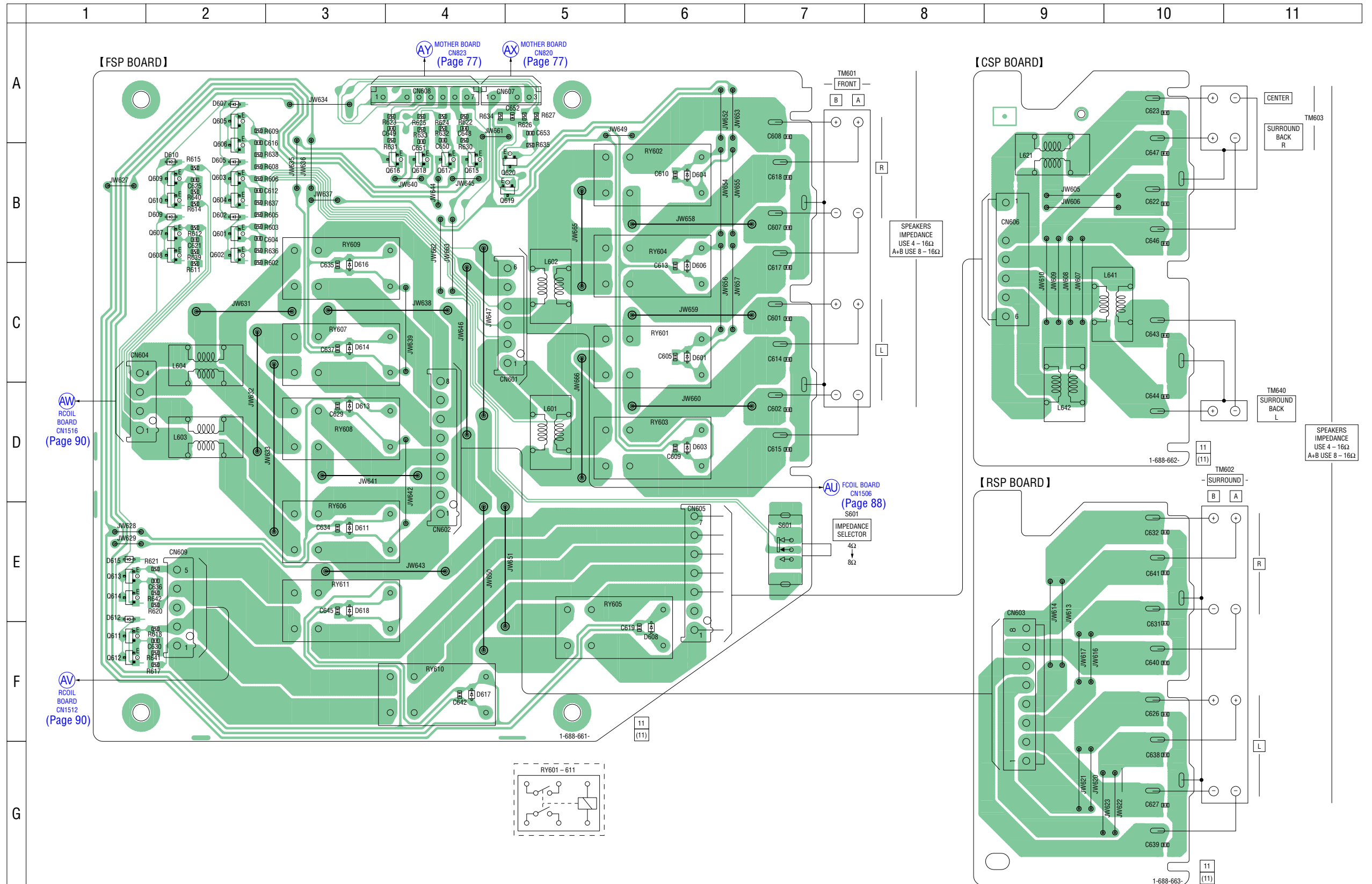
6-69. SCHEMATIC DIAGRAM - RCOIL Board -



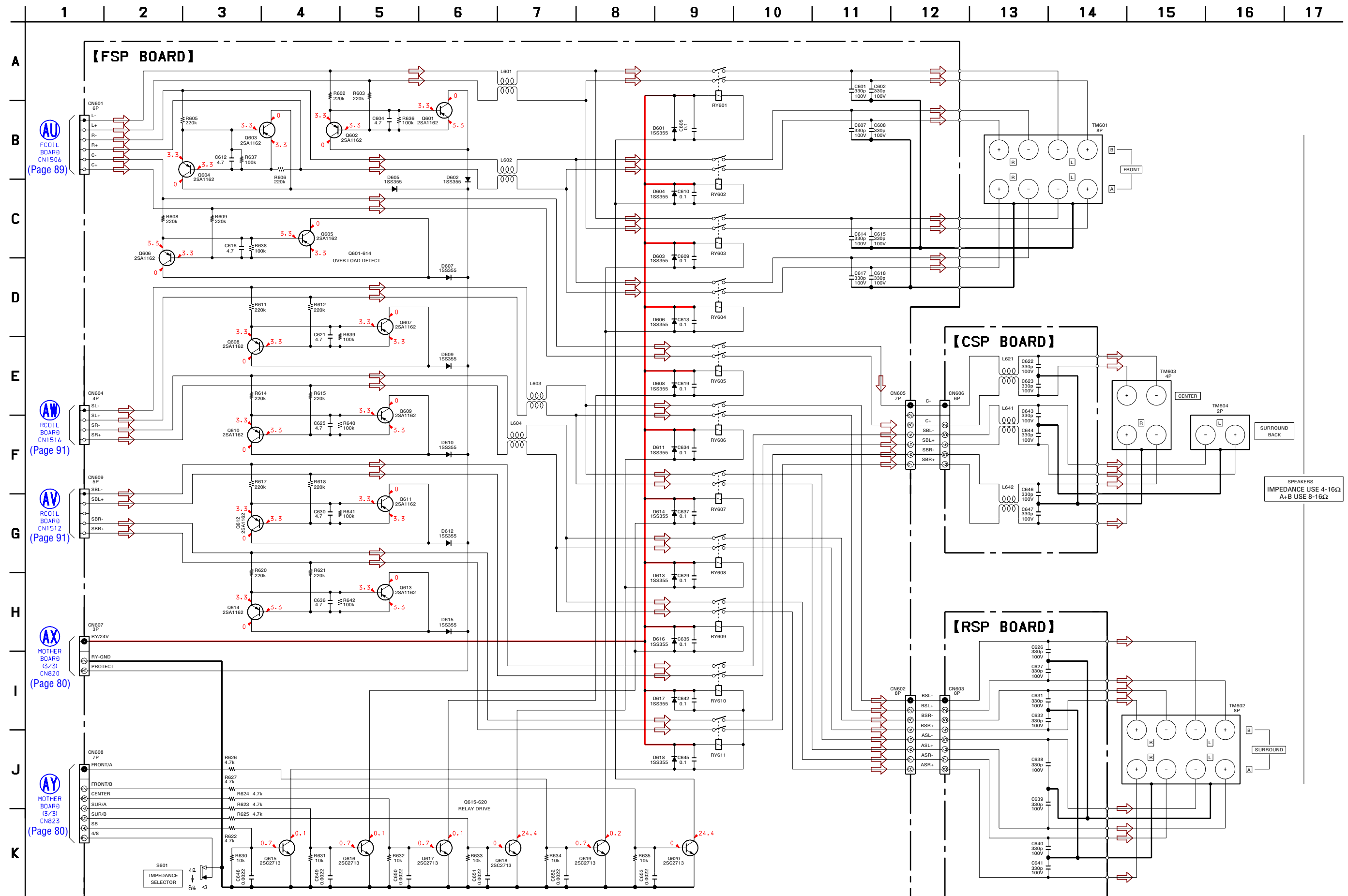
6-70. PRINTED WIRING BOARDS – SP Section – • See page 35 for Circuit Boards Location. :Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
D601	C-6
D602	B-2
D603	D-6
D604	B-6
D605	B-2
D606	C-6
D607	A-2
D608	F-6
D609	B-2
D610	B-2
D611	E-3
D612	E-1
D613	D-3
D614	C-3
D615	E-1
D616	C-3
D617	F-4
D618	E-3
Q601	B-2
Q602	B-2
Q603	B-2
Q604	B-2
Q605	A-2
Q606	B-2
Q607	B-2
Q608	B-2
Q609	B-2
Q610	B-2
Q611	F-1
Q612	F-1
Q613	E-1
Q614	E-1
Q615	B-4
Q616	B-4
Q617	B-4
Q618	B-4
Q619	B-5
Q620	B-5



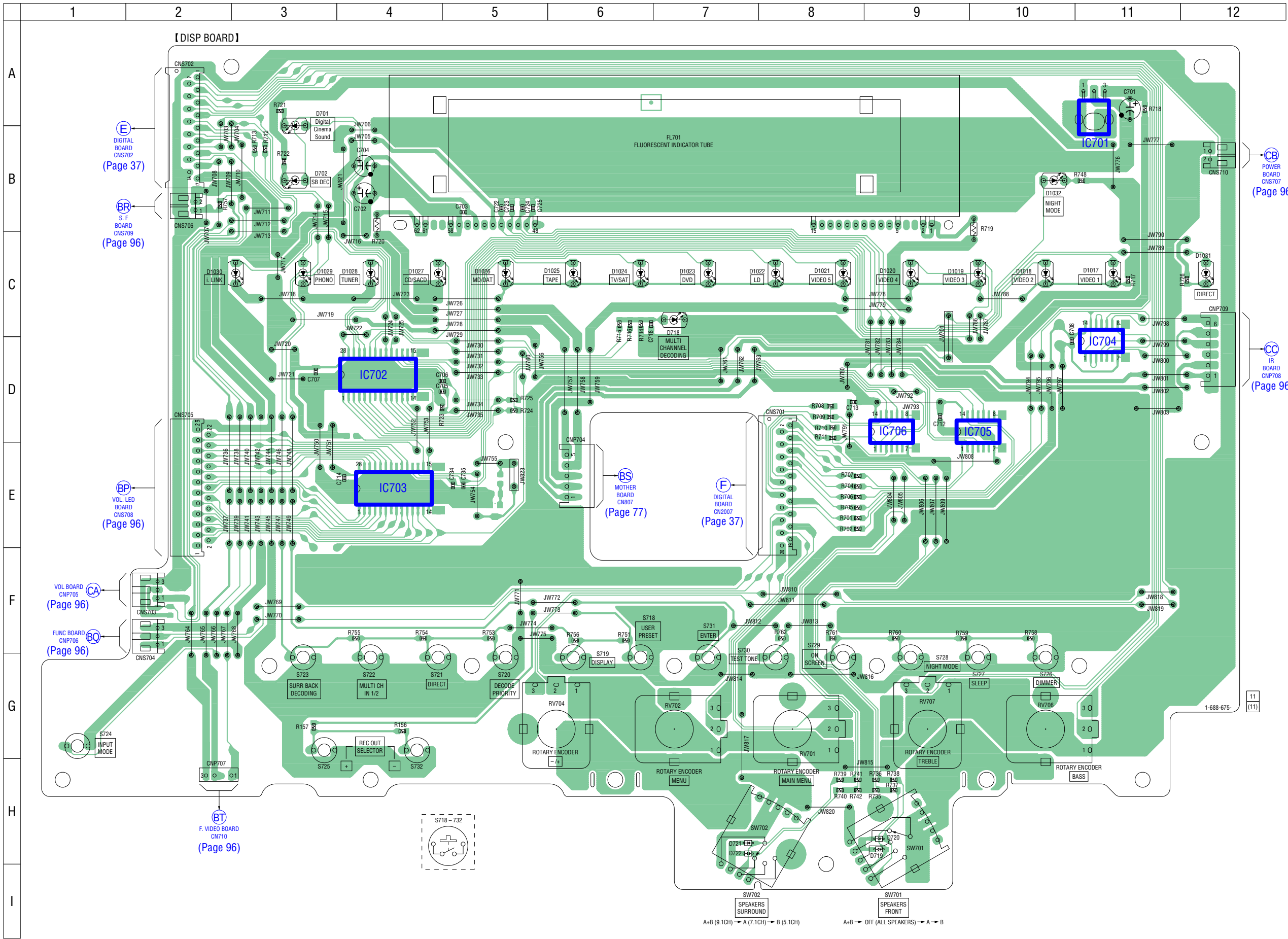
6-71. SCHEMATIC DIAGRAM – SP Section –



6-72. PRINTED WIRING BOARD – DISPLAY Section – • See page 35 for Circuit Boards Location. :Uses unleaded solder.

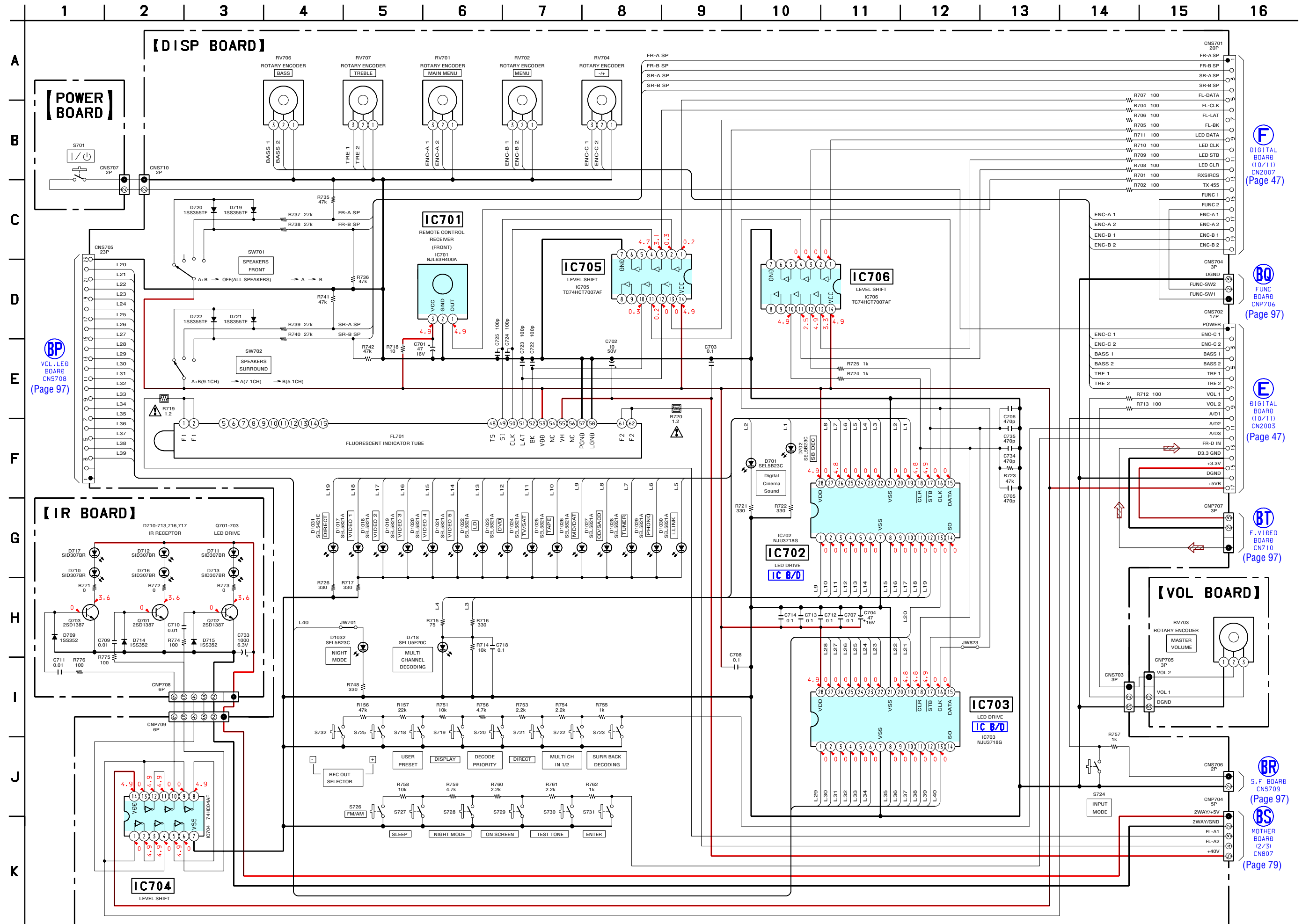
• Semiconductor Location

Ref. No.	Location
D701	A-3
D702	B-3
D718	C-7
D719	H-9
D720	H-9
D721	H-7
D722	H-7
D1017	C-11
D1018	C-10
D1019	C-10
D1020	C-9
D1021	C-8
D1022	C-8
D1023	C-7
D1024	C-6
D1025	C-6
D1026	C-5
D1027	C-4
D1028	C-4
D1029	C-3
D1030	C-3
D1031	C-12
D1032	C-10
IC701	A-11
IC702	D-4
IC703	E-4
IC704	D-11
IC705	D-10
IC706	D-9



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

6-73. SCHEMATIC DIAGRAM – DISPLAY Section –



F
DIGITAL BOARD
(10/11)
CN2007
(Page 47)

BQ
FUNC BOARD
CNP706
(Page 97)

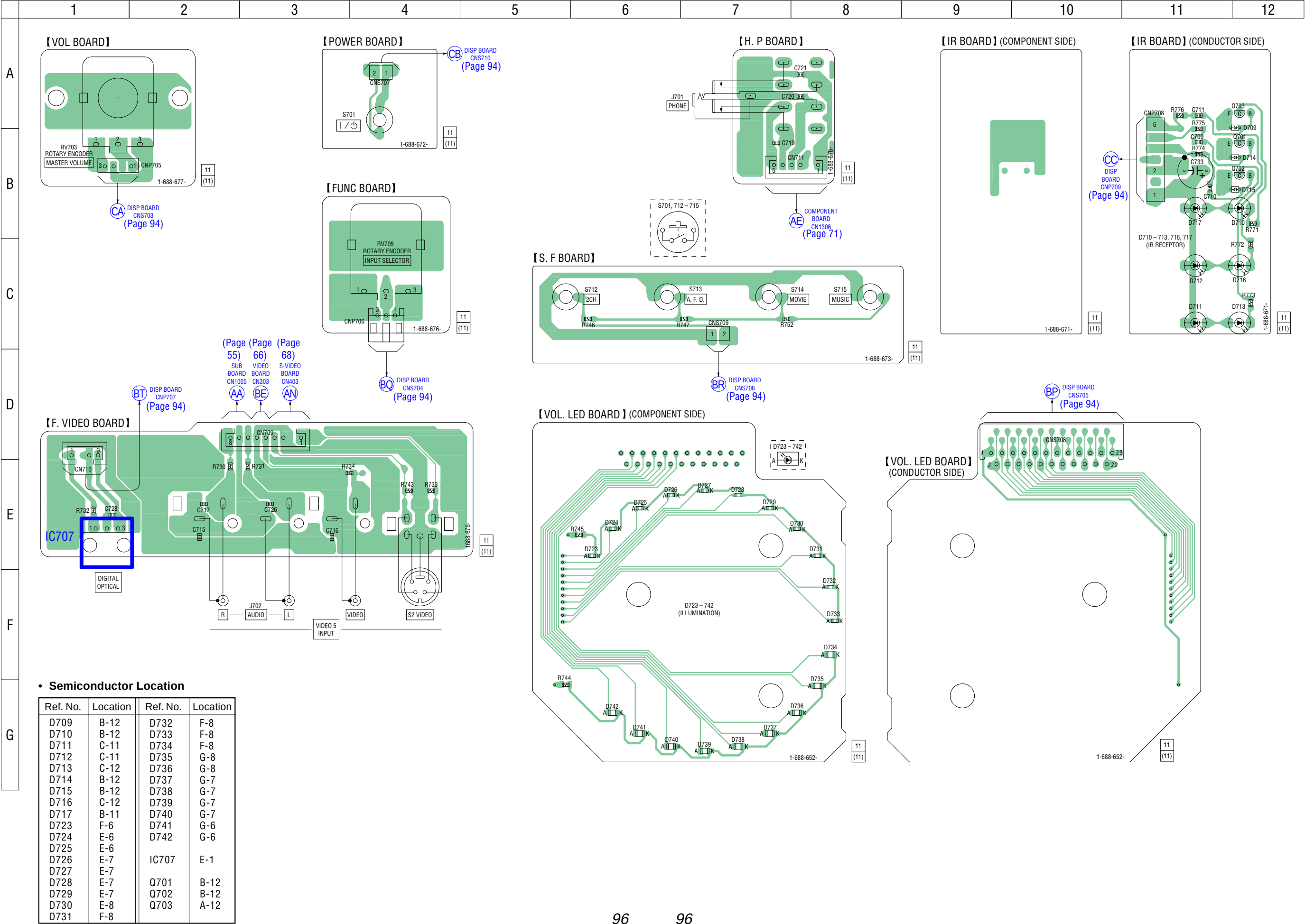
E
DIGITAL BOARD
(10/11)
CN2003
(Page 47)

BT
F.VIDEO BOARD
CN710
(Page 97)

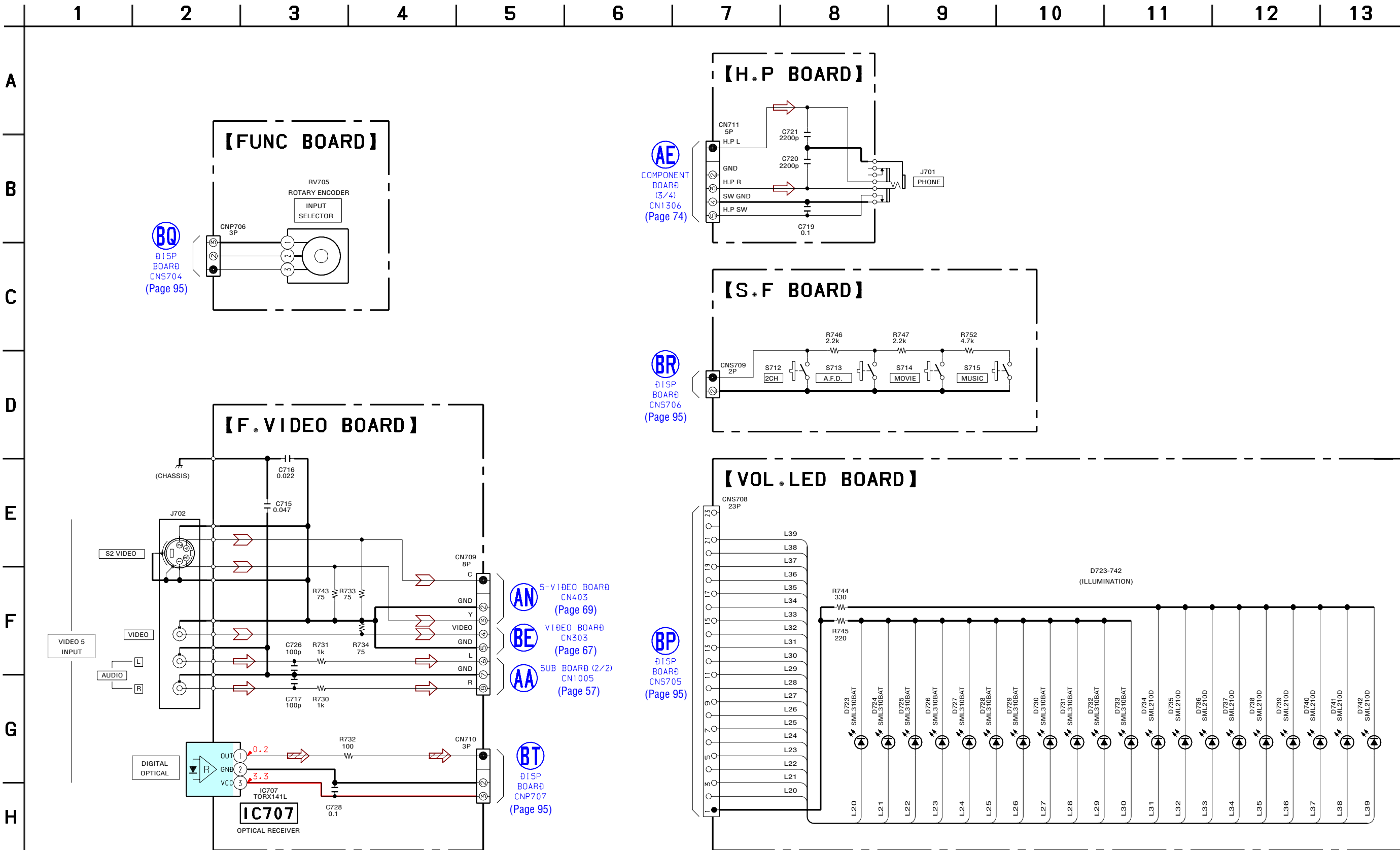
BR
S.F BOARD
CNS709
(Page 97)

BS
MOTHER BOARD
(2/3)
CN807
(Page 79)

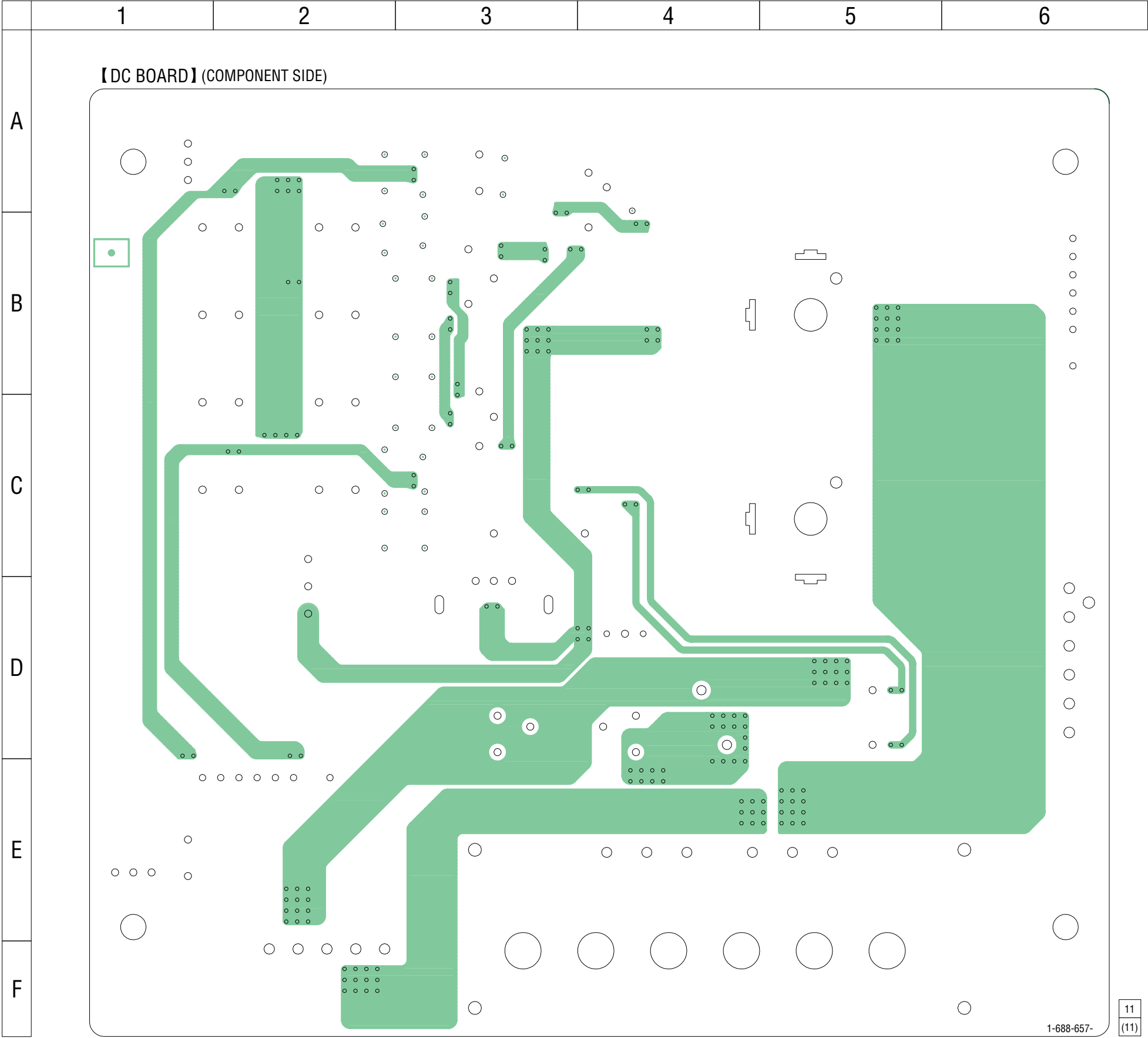
6-74. PRINTED WIRING BOARDS – PANEL Section – • See page 35 for Circuit Boards Location. :Uses unleaded solder.



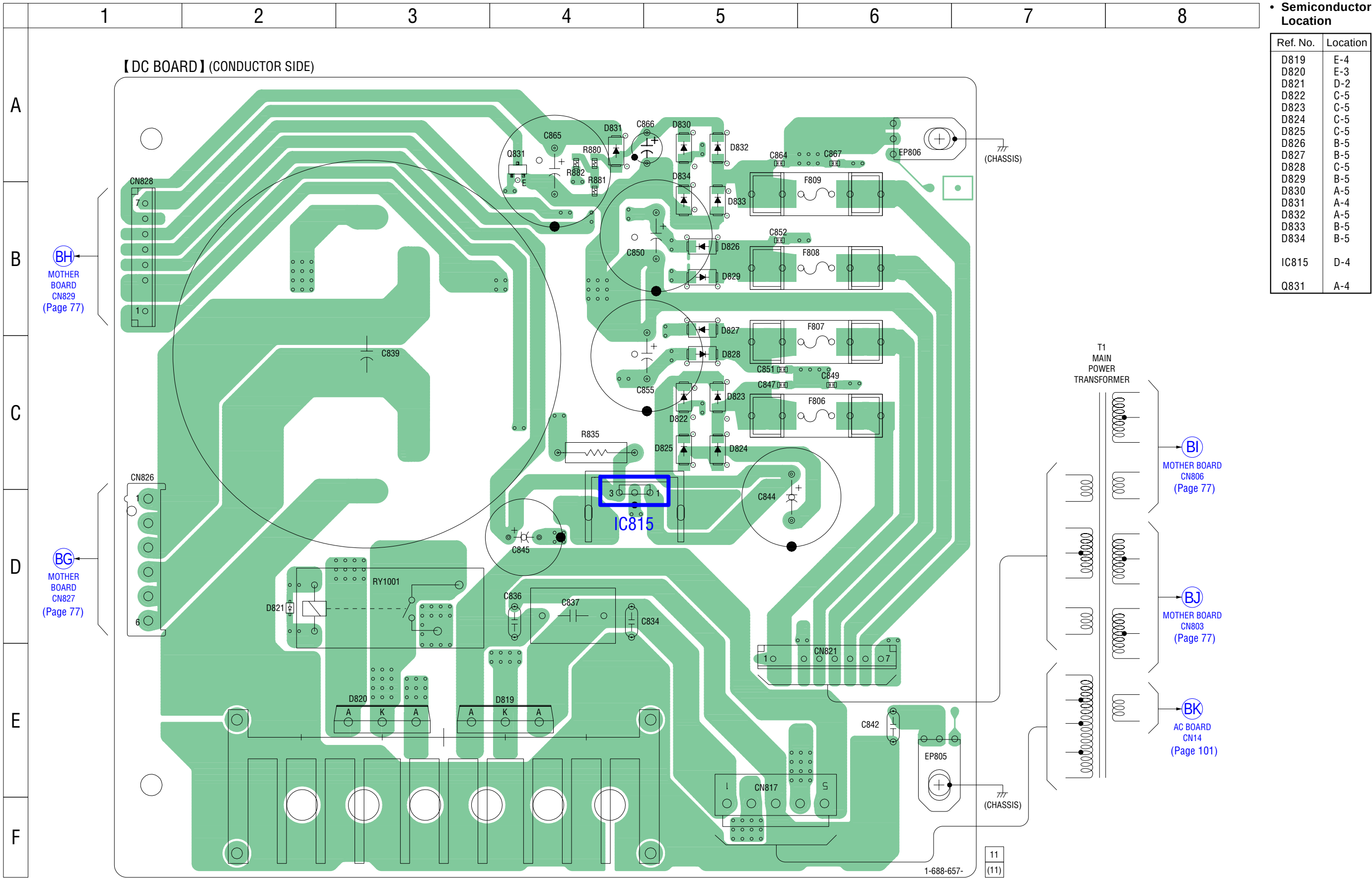
6-75. SCHEMATIC DIAGRAM – PANEL Section –



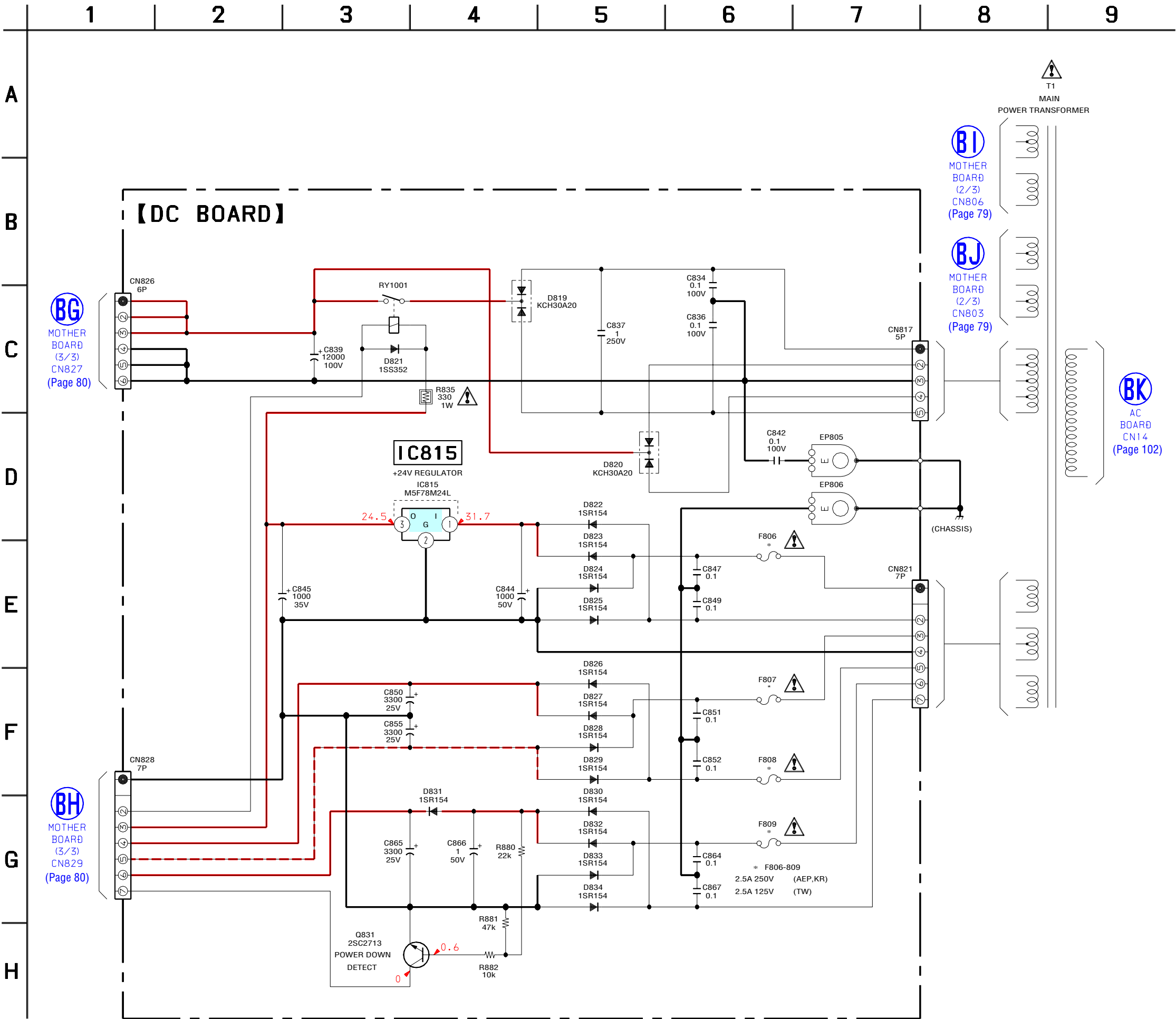
6-76. PRINTED WIRING BOARD – DC Board (Component Side) – • See page 35 for Circuit Boards Location.  :Uses unleaded solder.



6-77. PRINTED WIRING BOARD – DC Board (Conductor Side) – • See page 35 for Circuit Boards Location.  :Uses unleaded solder.

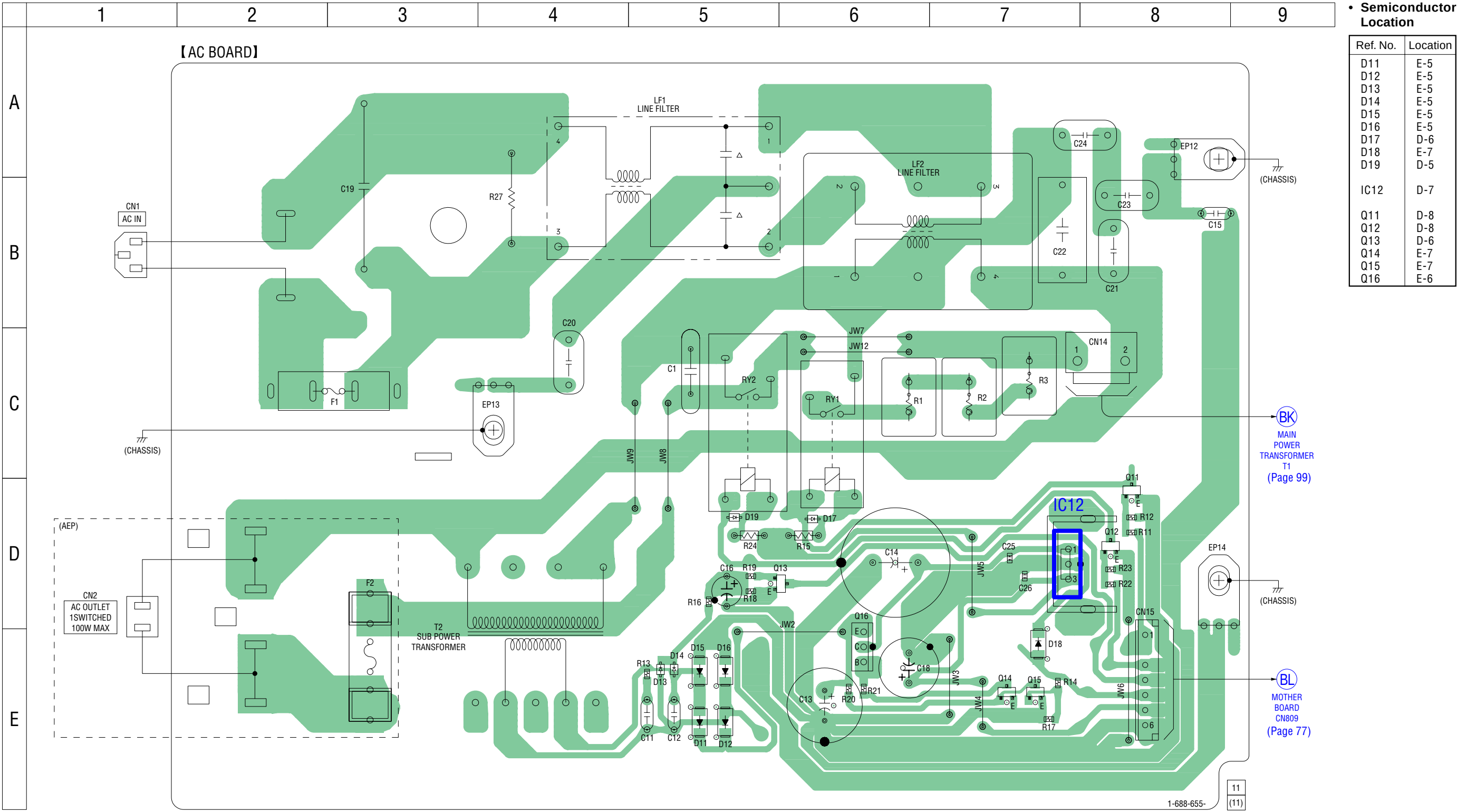


6-78. SCHEMATIC DIAGRAM – DC Board –



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

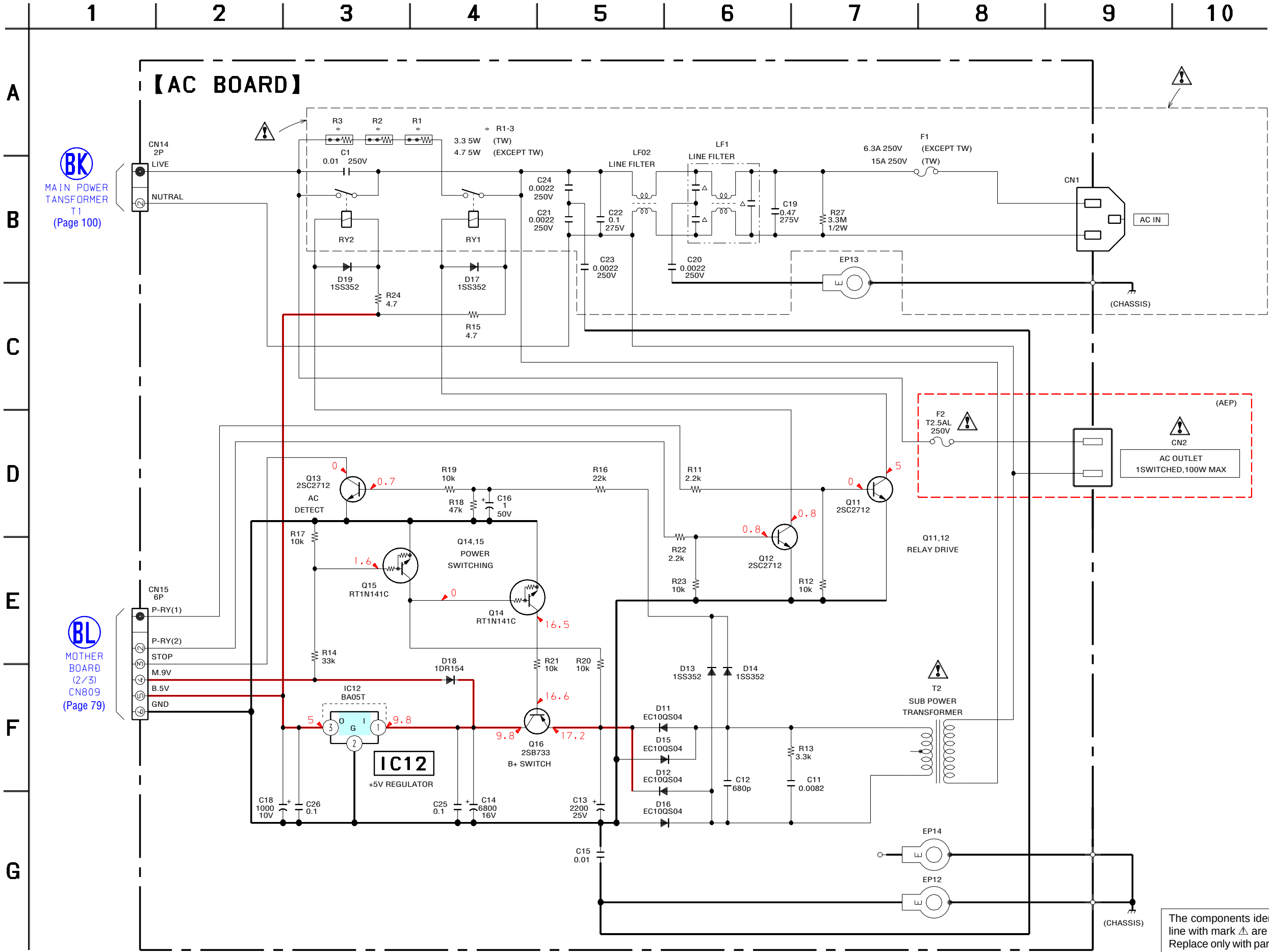
6-79. PRINTED WIRING BOARD – AC Board – • See page 35 for Circuit Boards Location.  :Uses unleaded solder.



• Semiconductor Location

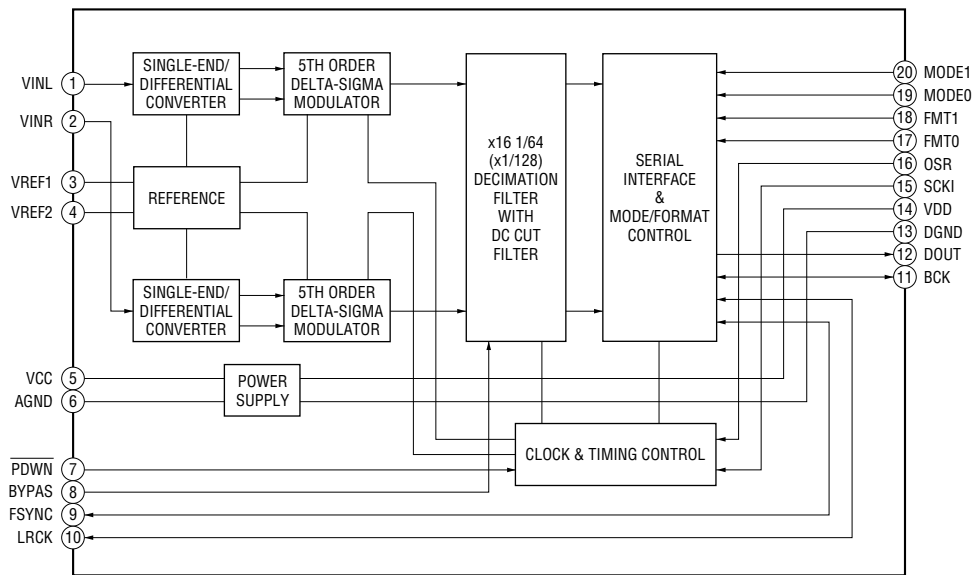
Ref. No.	Location
D11	E-5
D12	E-5
D13	E-5
D14	E-5
D15	E-5
D16	E-5
D17	D-6
D18	E-7
D19	D-5
IC12	D-7
Q11	D-8
Q12	D-8
Q13	D-6
Q14	E-7
Q15	E-7
Q16	E-6

6-80. SCHEMATIC DIAGRAM – AC Board –

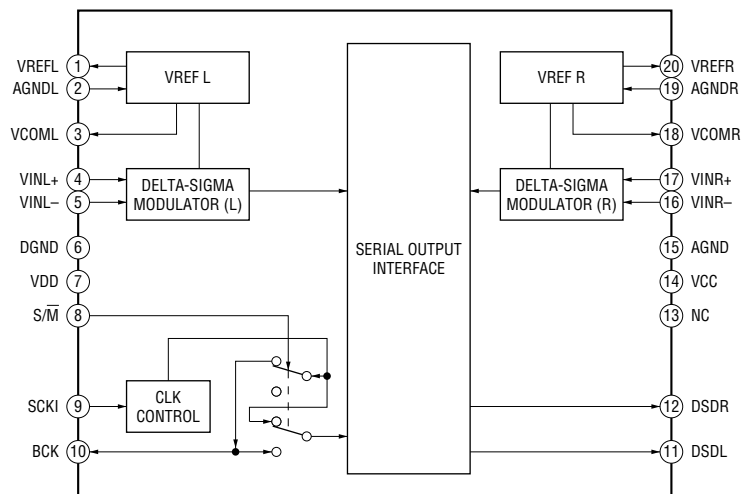


• IC Block Diagrams
– DIGITAL Board –

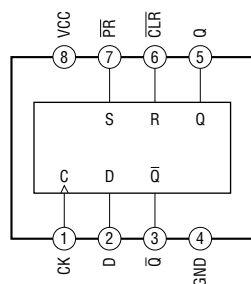
IC2001 PCM1802DBR



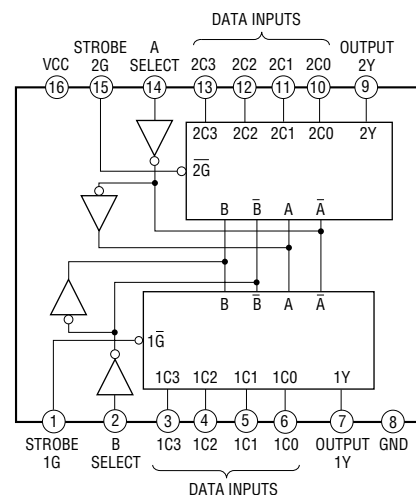
IC2011, 2021, 2031, 2041 DSD1800DBR



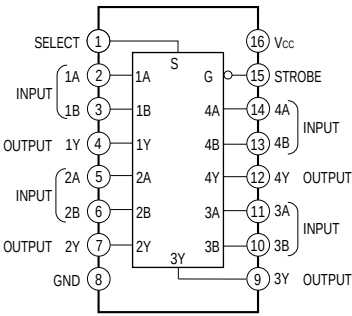
IC2051, 2305, 2430, 2512 TC7WH74FU (TE12R)



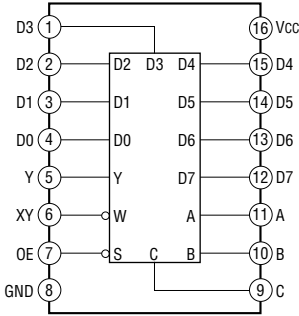
IC2052 TC74VHC153FT (EL)



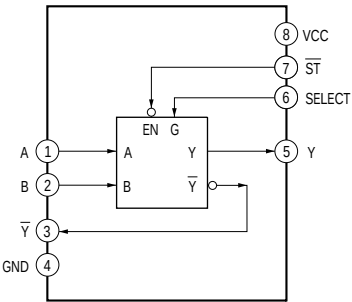
IC2063, 2064 TC74VHC157FT (EL)



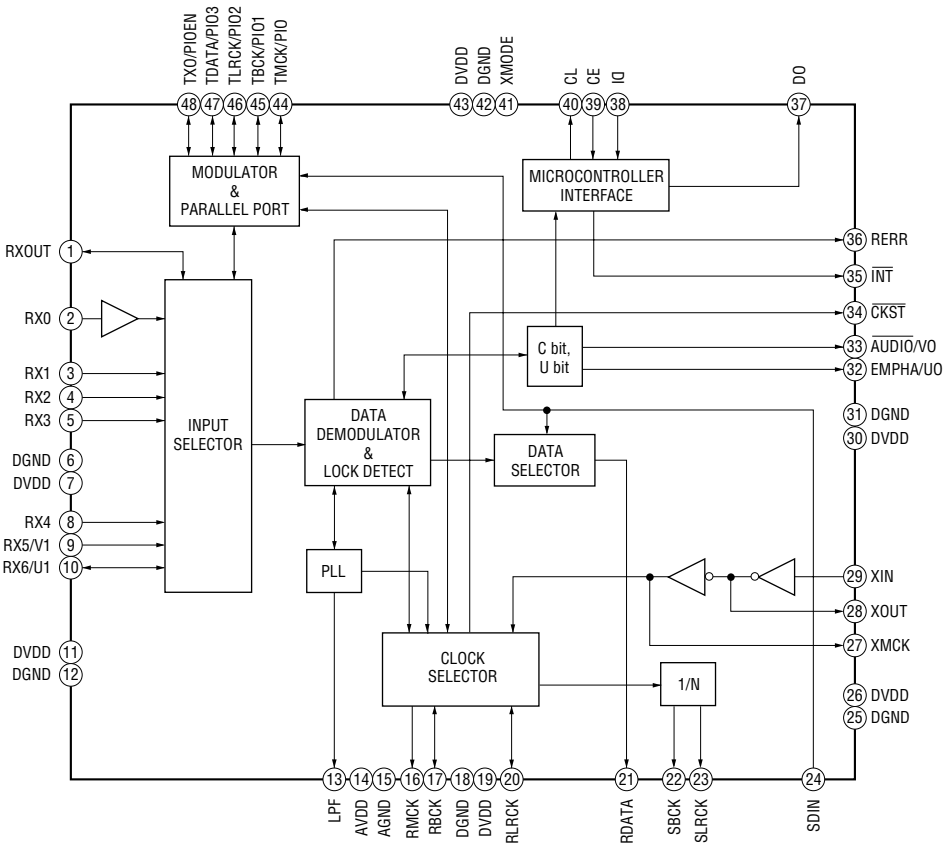
IC2093 TC74HC151AF (EL)

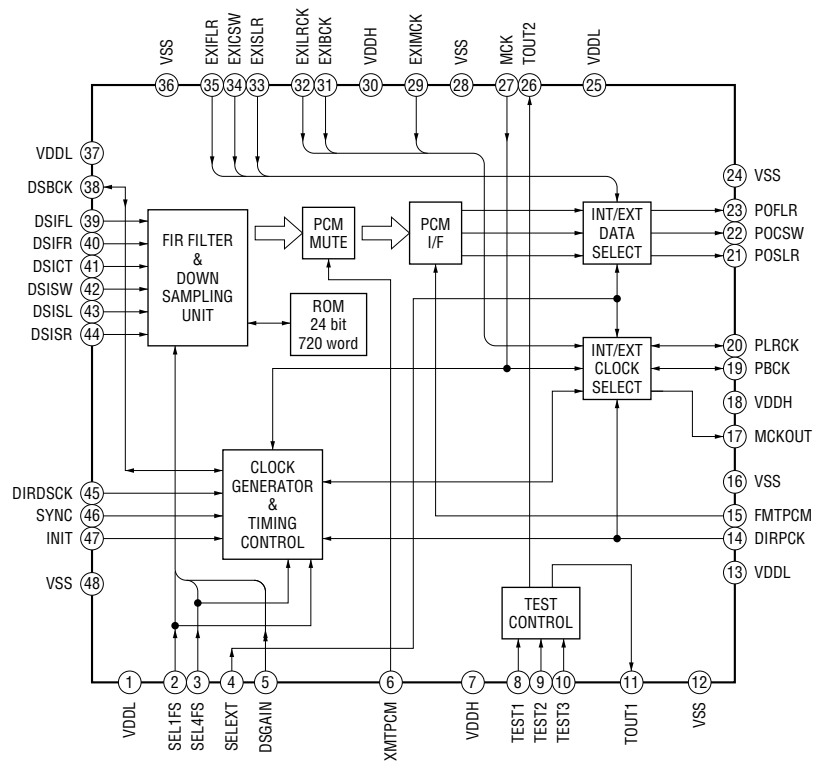
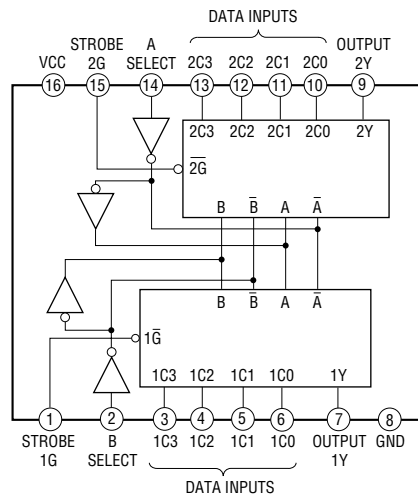
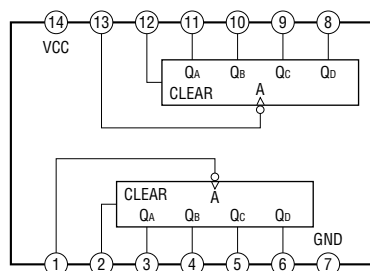


IC2095, 2204, 2207, 2209, 2306, 2307, 2602 TC7WH157FU (TE12R)

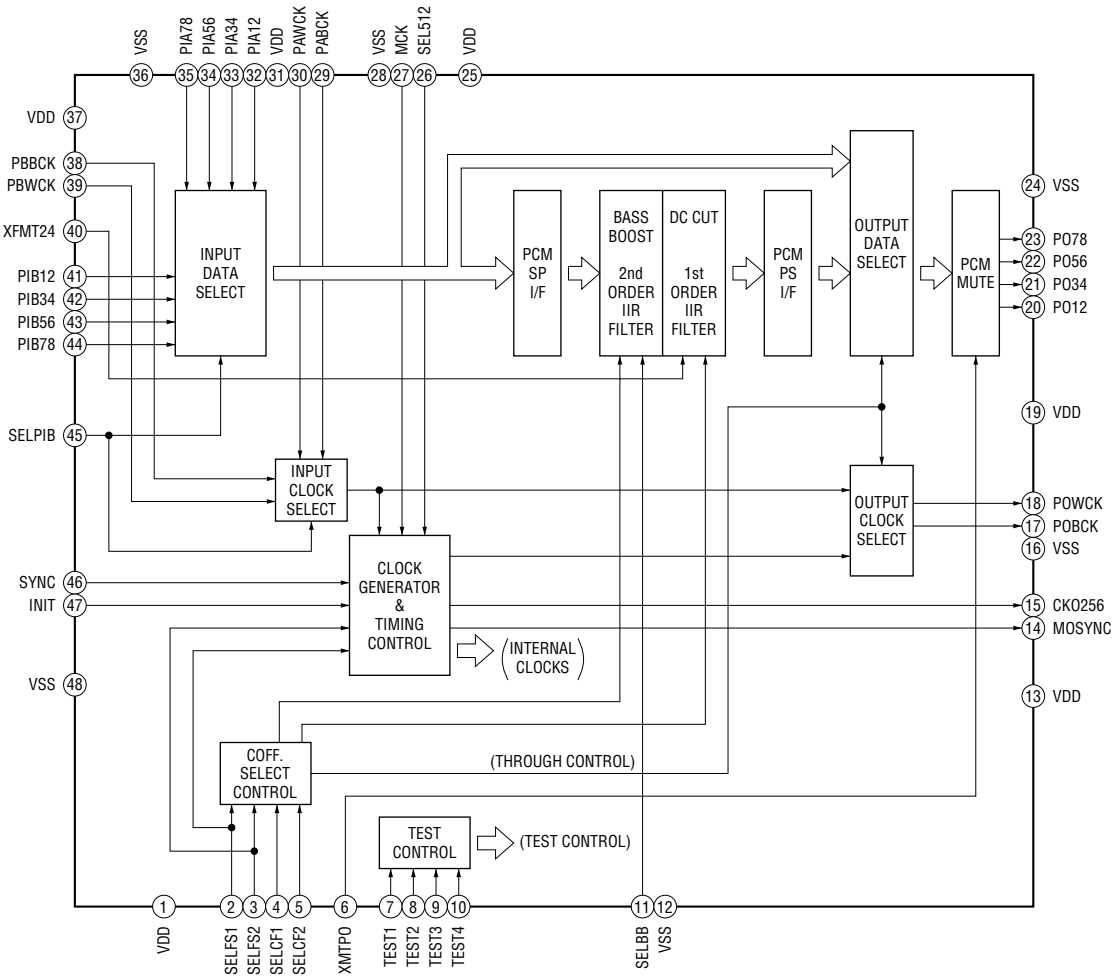


IC2121 LC89057W-VF4-E

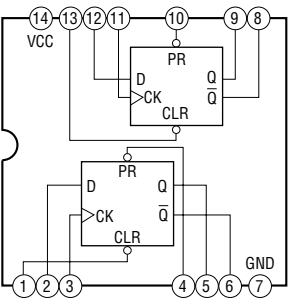


IC2161, 2163 CXD9742Q**IC2205, 2208 SN74HC153ANS****IC2210 TC74VHC393FT (EL)**

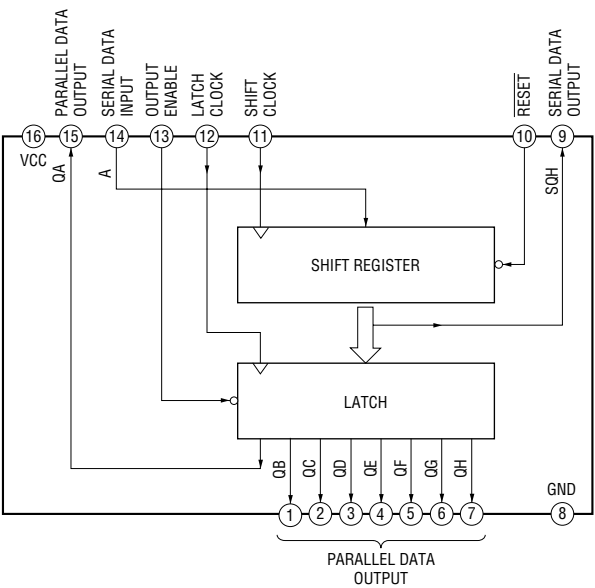
IC2401 CXD9776AQ



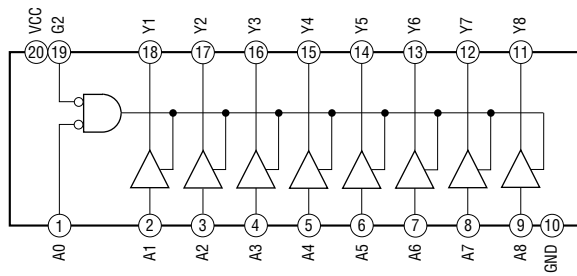
IC2429 TC74VHC74FT (EL)



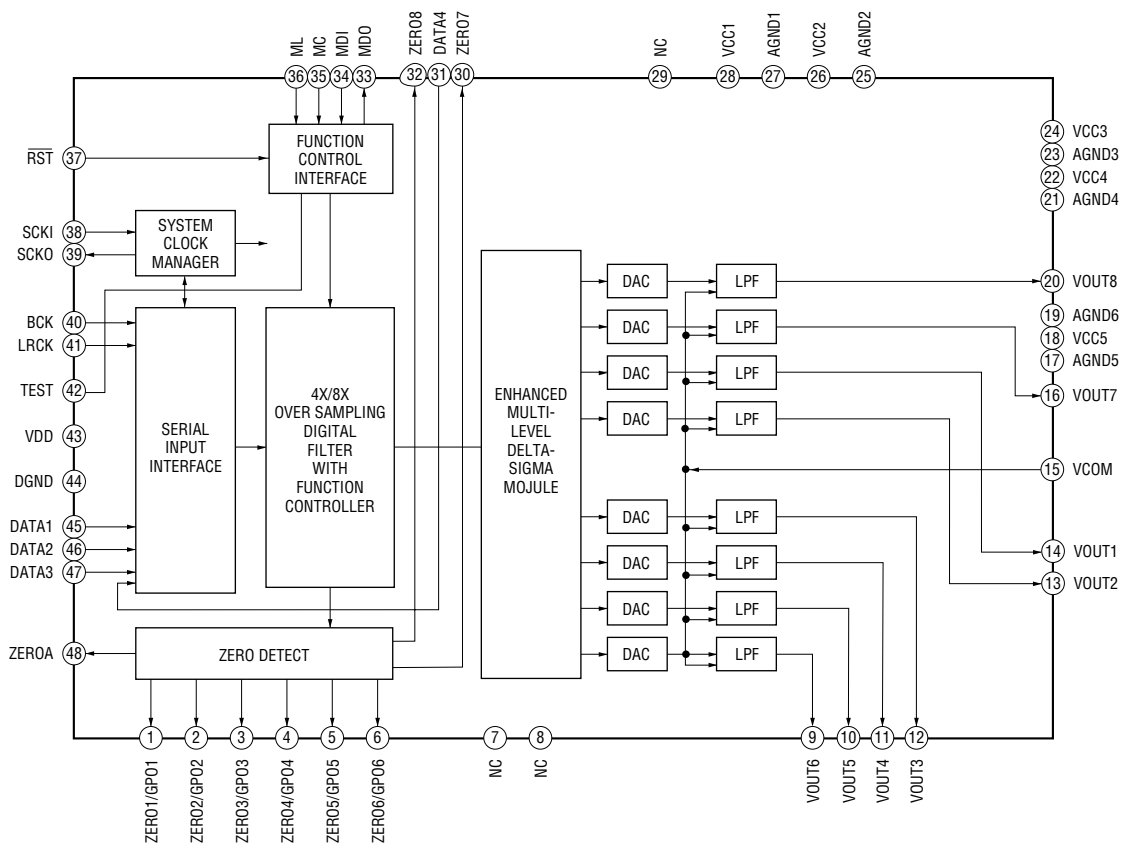
IC2451, 2461, 2462 TC74HC595AF (EL)



IC2501, 2504 TC74VHC541FT (EL)

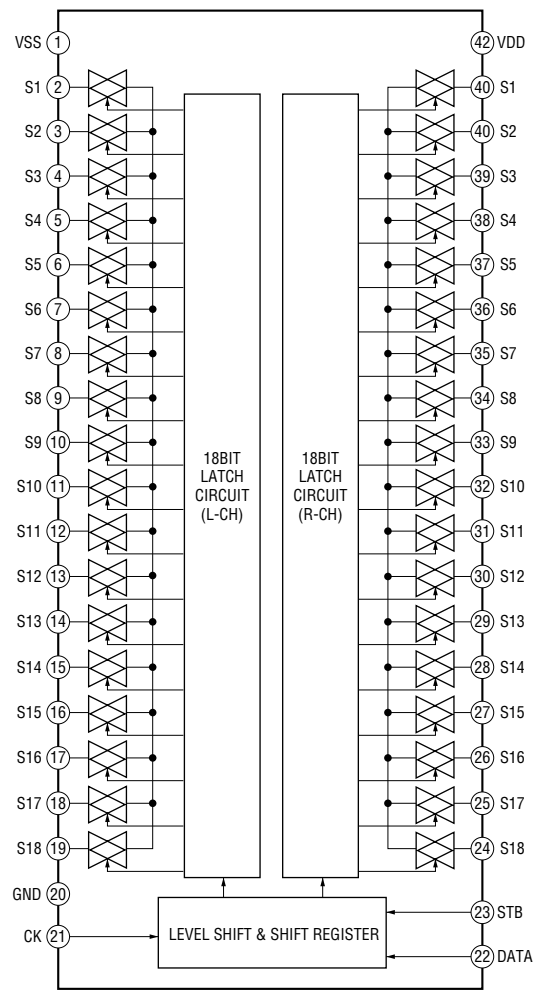


IC2901 PCM1609KPTR

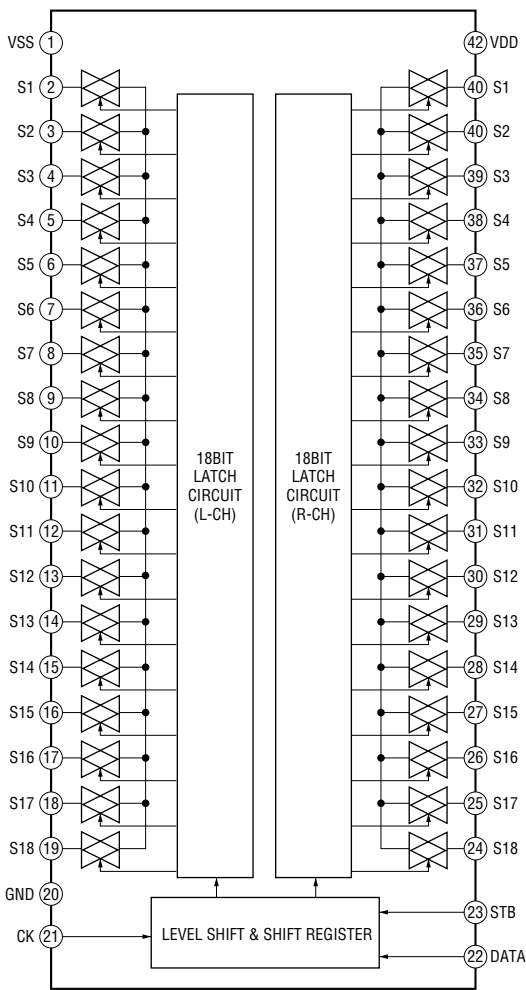


– MAIN Board –

IC101, 102 TC9274N-016

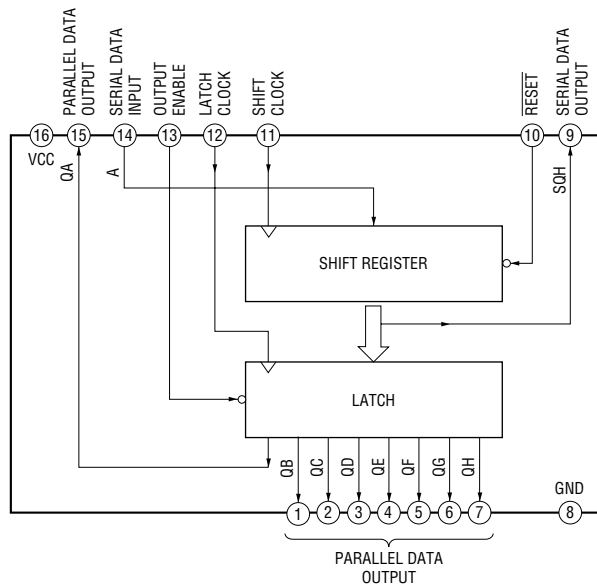


IC103, 105 TC9274N-015

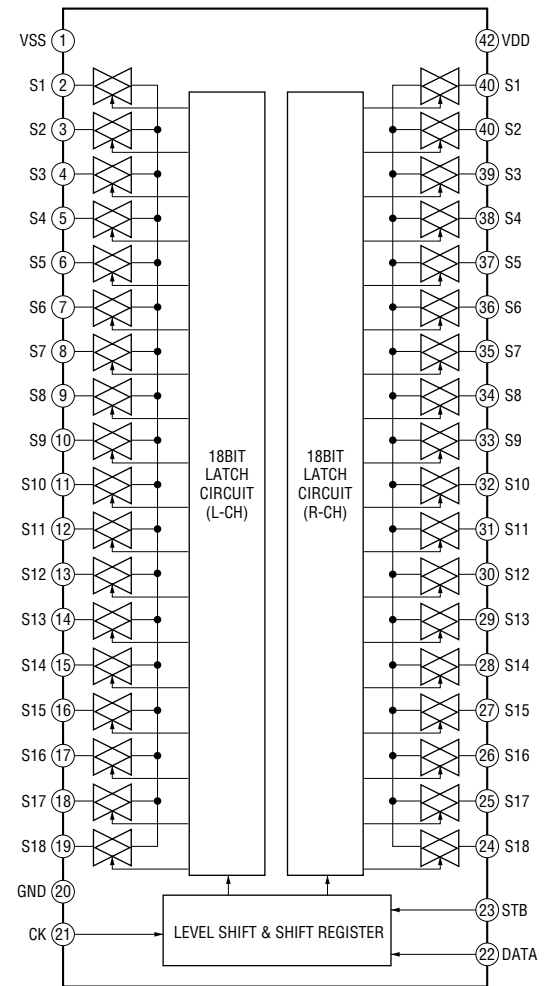


– SUB Board –

IC1005 TC74HC595AF (EL)

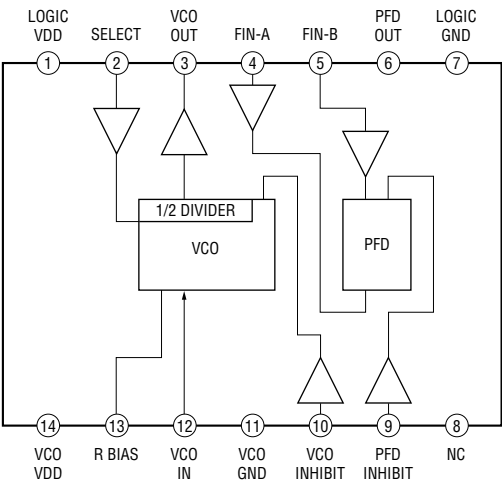


IC1010, 1015 TC9274N-015

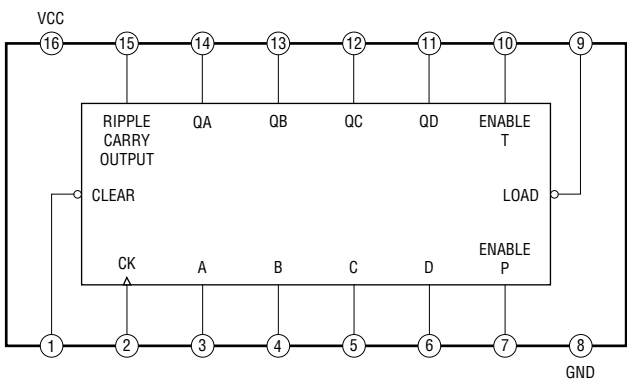


- I. LINK Board -

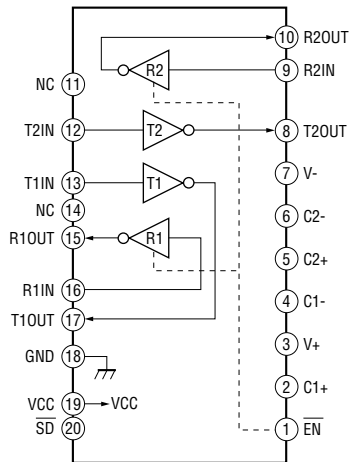
IC3005 TLC2932IPWR



IC3006, 3009 TC74HC161AF

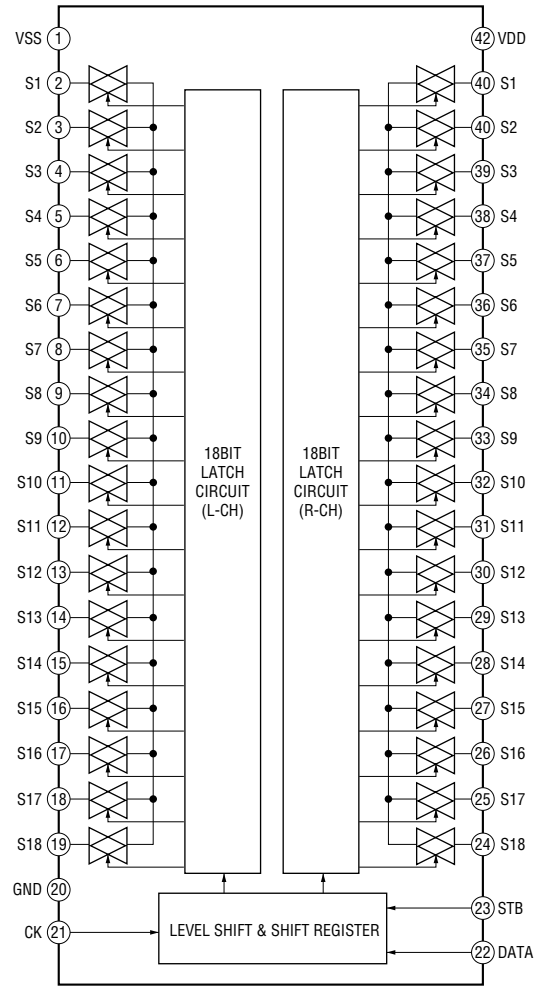


IC3501 ADM3222ARU-REEL



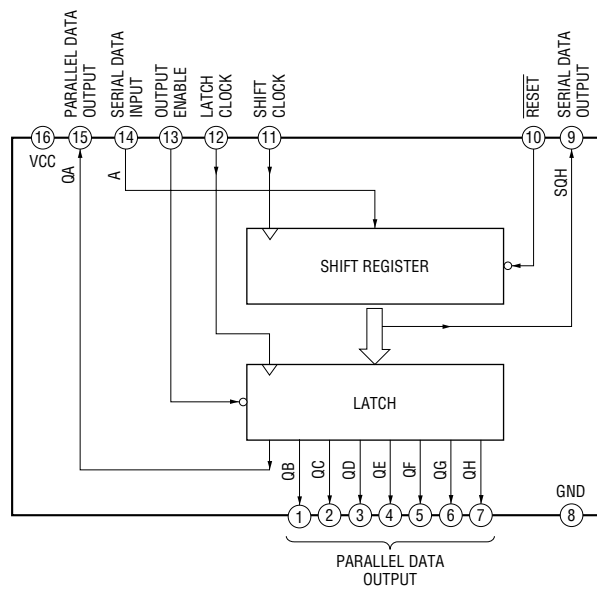
- PREOUT Board -

IC1205 TC9274N-016

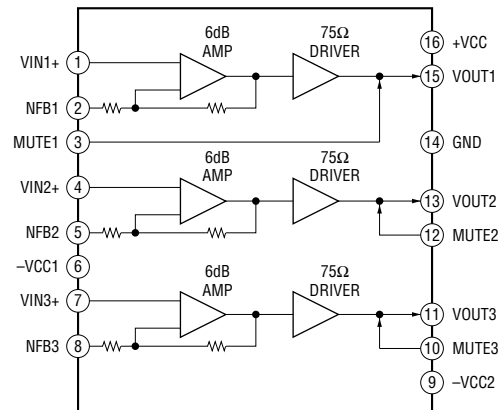


- VIDEO Board -

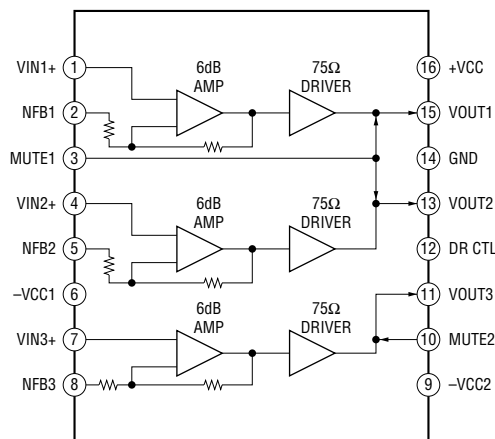
IC302, 303 TC74HC595AF (EL)



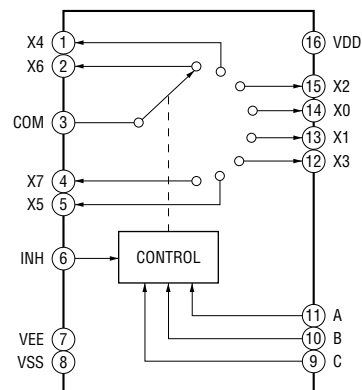
IC304 LA7108M-TLM



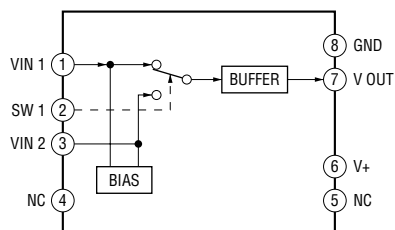
IC305 LA7106M-TLM



IC306, 307 MC14051BF

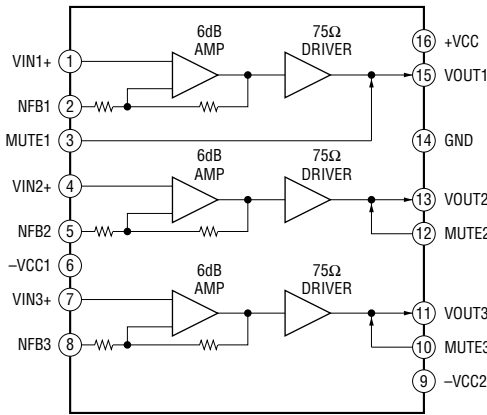


IC308 NJM2233BM

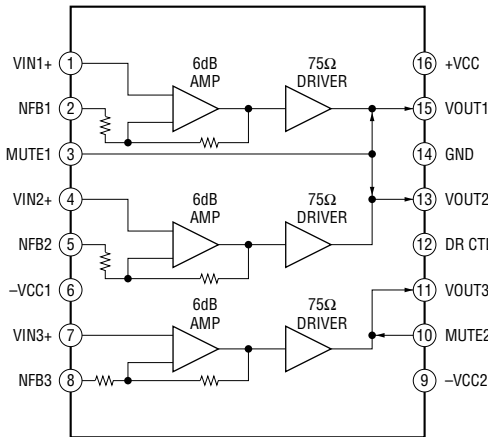


- S-VIDEO Board -

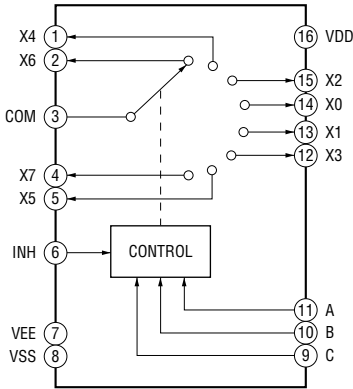
IC401, 402 LA7108M-TLM



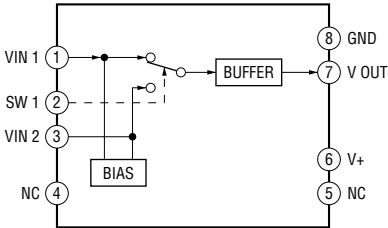
IC403, 404 LA7106M-TLM



IC406 - 410 MC14051BF

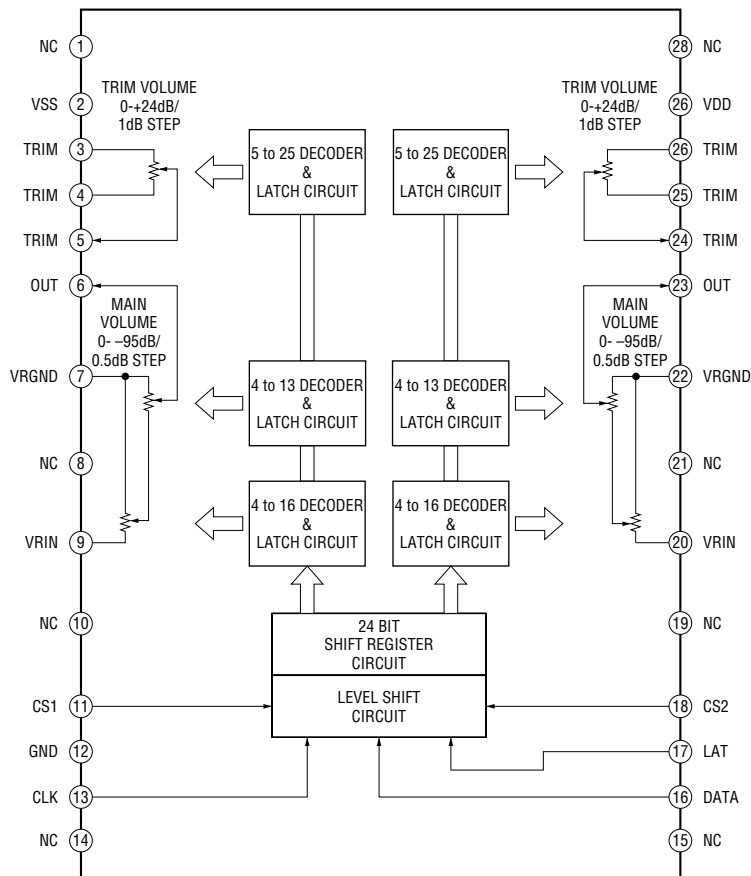


IC411, 412 NJM2233BM

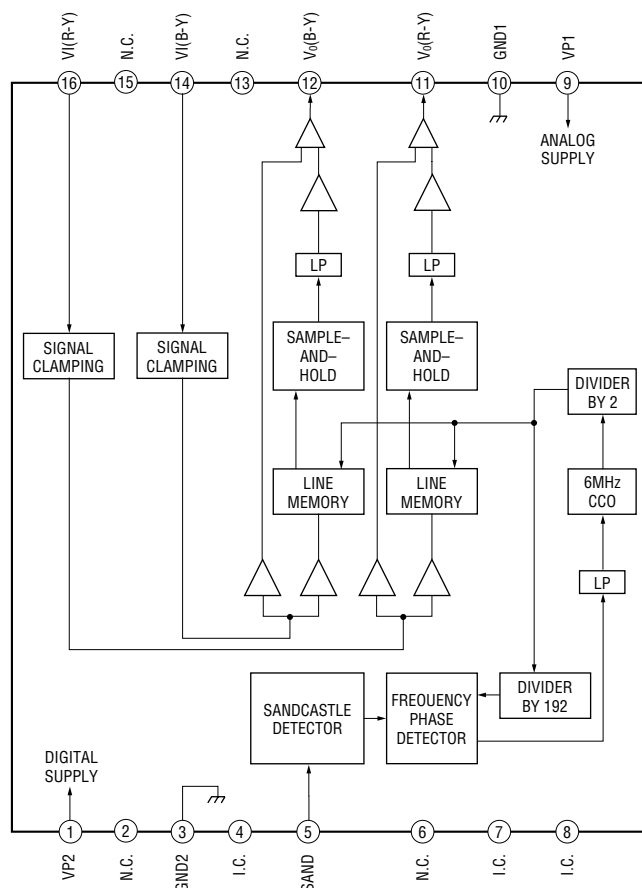


- COMPONENT Board -

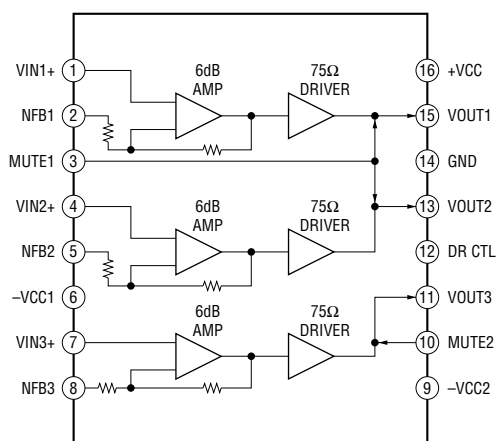
IC1302, 1305, 1307, 1313 CXD9725M



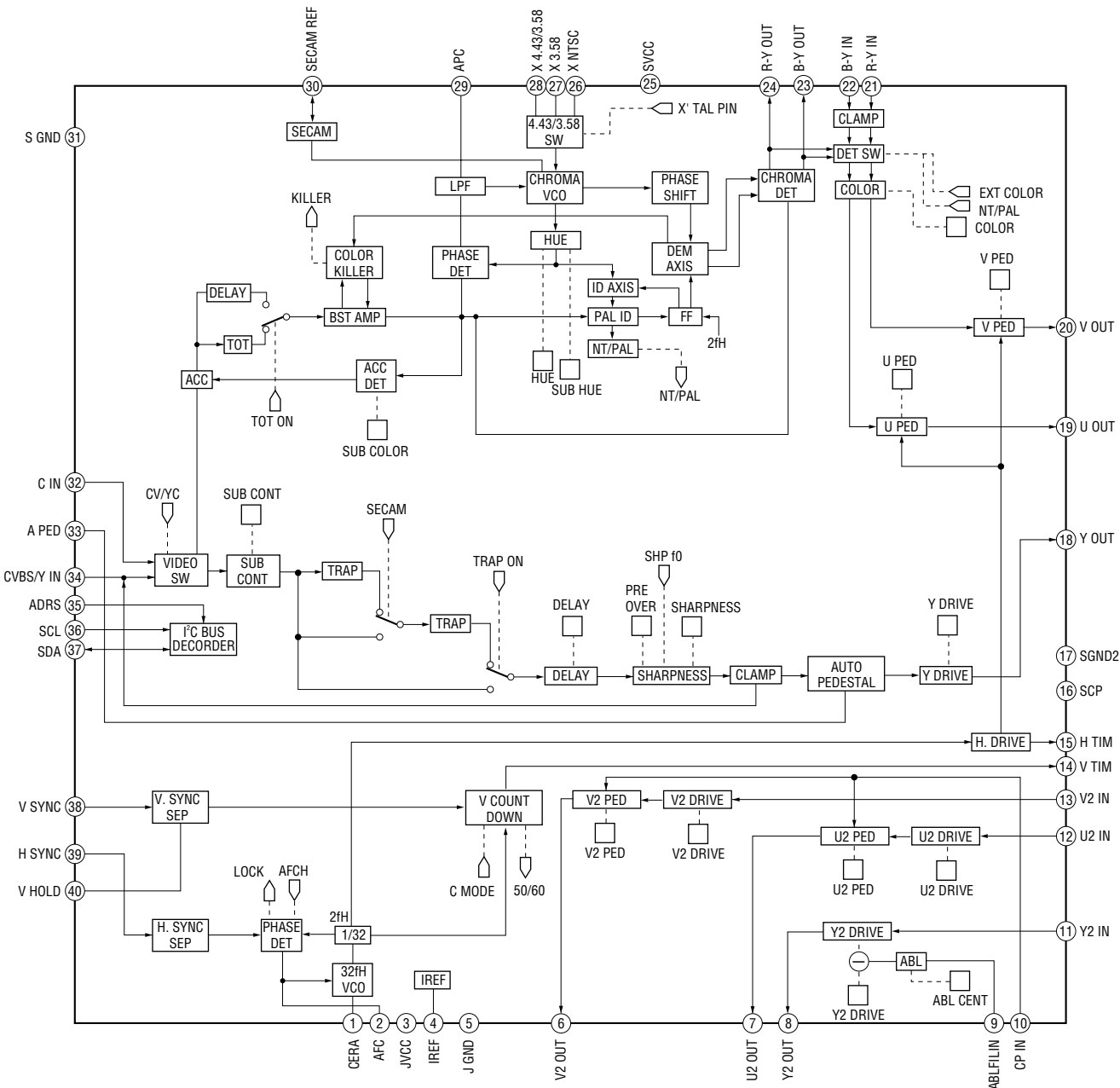
IC1318 TDA4665T/V5-118



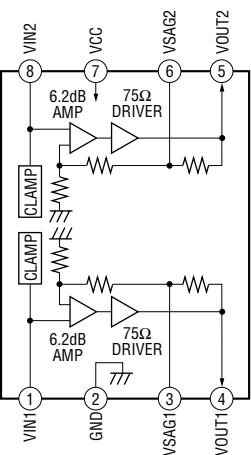
IC1319 LA7106M-TLM



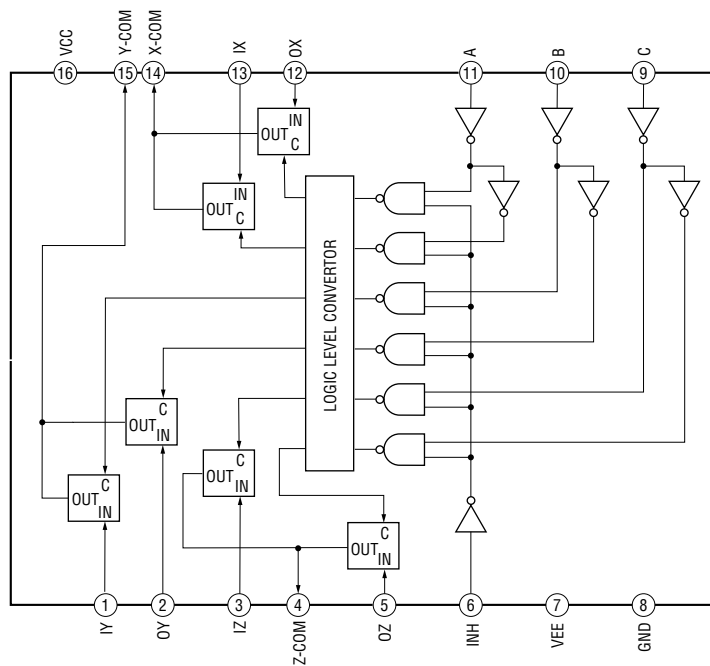
IC1320 CXA2199Q



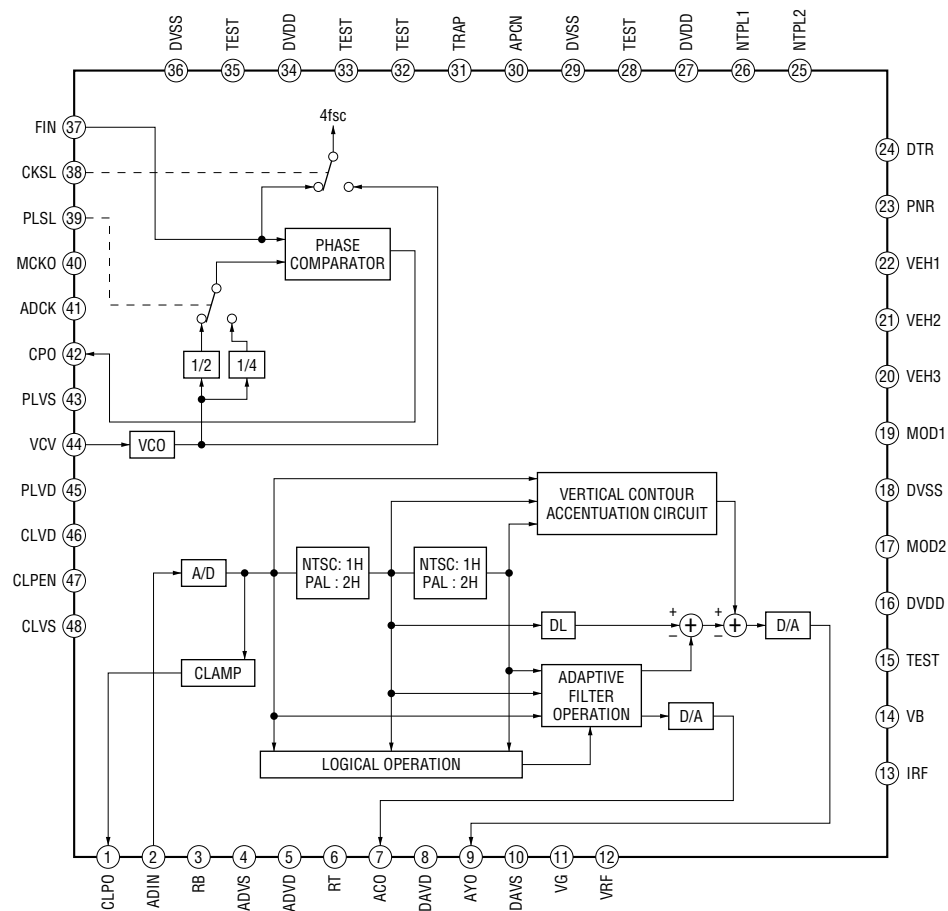
IC1321 NJM2267M (TE2)



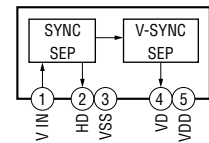
IC1322, 1324, 1327 TC74HC4053AFEL



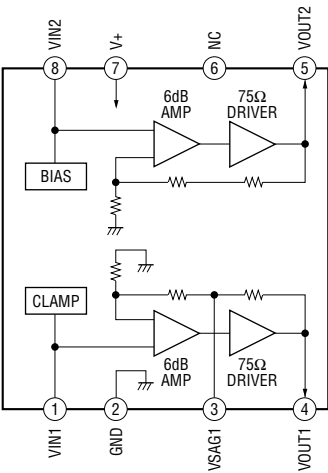
IC1323 CXD2064Q



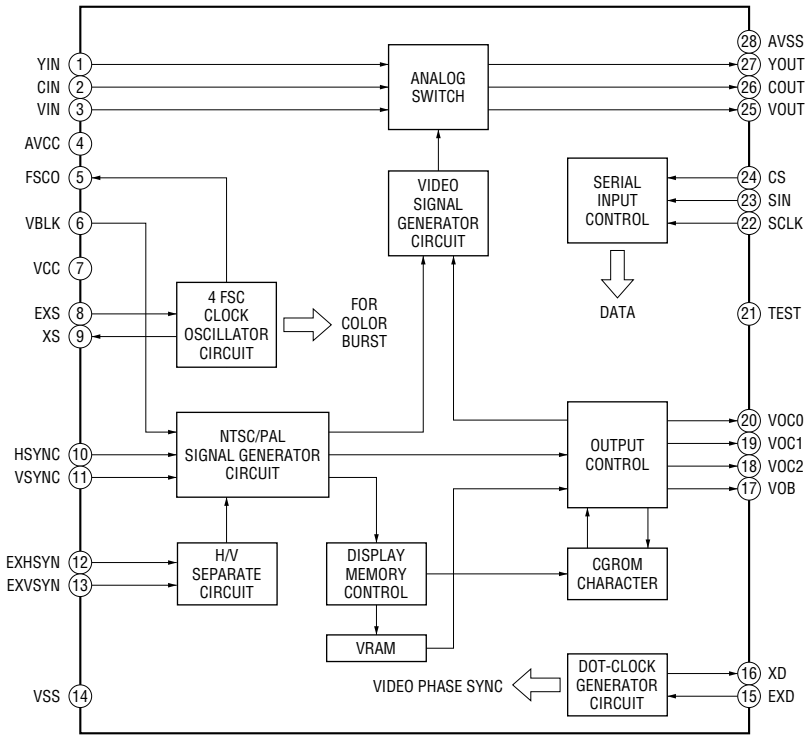
IC1325, 1328 LA7213



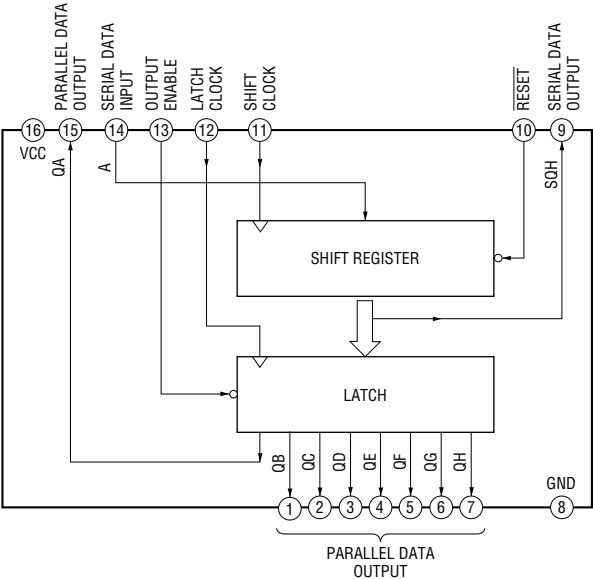
IC1326 NJM2268M



IC1329 MB90089F-G-238-BND

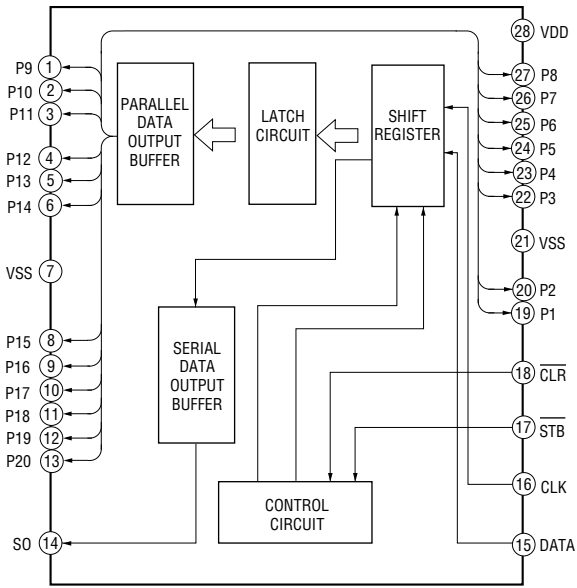


IC1330, 1332 TC74HC595AF (EL)



- DISP Board -

IC702, 703 NJU3718G (TE2)



6-81. IC PIN FUNCTION DESCRIPTION**• DIGITAL BOARD IC2201 CXD9718Q (DSP1)**

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	XRST	I	System reset signal input from the main system controller “L”: reset
3	EXTIN	I	Master clock signal input terminal Not used
4	FS2	I	Sampling frequency selection signal input terminal Not used
5	VDDI	—	Power supply terminal (+2.6V)
6	FS1	I	Sampling frequency selection signal input terminal Not used
7	PLOCK	O	Internal PLL lock signal output terminal Not used
8	VSS	—	Ground terminal
9	MCLK1	I	System clock input terminal (13.5 MHz)
10	VDDI	—	Power supply terminal (+2.6V)
11	VSS	—	Ground terminal
12	MCLK2	O	System clock output terminal (13.5 MHz)
13	MS	I	Master/slave setting terminal “L”: internal clock, “H”: external clock Fixed at “L” in this set
14	SCKOUT	O	Internal system clock output terminal Not used
15	LRCKI1	I	L/R sampling clock signal (44.1 kHz) input from the digital audio interface receiver, decimation filter and i-link interface
16	VDDE	—	Power supply terminal (+3.3V)
17	BCKI1	I	Bit clock signal (2.8224 MHz) input from the digital audio interface receiver, decimation filter and i-link interface
18	SDI1	I	Audio serial data input from the A/D converter and decimation filter
19	LRCKO	O	L/R sampling clock signal (44.1 kHz) output to the DSP2
20	BCKO	O	Bit clock signal (2.8224 MHz) output to the DSP2
21	VSS	—	Ground terminal
22	KFSIO	I	Audio clock signal input terminal
23 to 26	SDO1 to SDO4	O	Audio serial data output to the DSP2
27	SPDIF	O	SPDIF signal output terminal Not used
28	LRCKI2	I	L/R sampling clock signal (44.1 kHz) input from the digital audio interface receiver, decimation filter and i-link interface
29	BCKI2	I	Bit clock signal (2.8224 MHz) input from the digital audio interface receiver, decimation filter and i-link interface
30	SDI2	I	Audio serial data input from the digital audio interface receiver, decimation filter and i-link interface
31	VSS	—	Ground terminal
32	HACN	O	Acknowledge signal output to the main system controller
33	HDIN	I	Serial data input from the main system controller
34	HCLK	I	Serial data transfer clock signal input from the main system controller
35	HDOUT	O	Serial data output to the main system controller
36	HCS	I	Chip select input from the main system controller
37	SDCLK	I	Write signal input terminal Not used
38	CLKEN	O	SD-RAM chip enable output terminal Not used
39	RAS	O	Row address strobe signal output terminal Not used
40	VDDI	—	Power supply terminal (+2.6V)
41	VSS	—	Ground terminal
42	CAS	O	Column address strobe signal output terminal Not used
43	DQM/OE0	O	Output terminal of data input/output mask Not used

Pin No.	Pin Name	I/O	Description
44	CS0	O	Chip select signal output to the S-RAM
45	WE0	O	Write enable signal output to the S-RAM
46	VDDE	—	Power supply terminal (+3.3V)
47	WMD1	I	External memory wait mode setting terminal Fixed at “H” in this set
48	VSS	—	Ground terminal
49	WMD0	I	External memory wait mode setting terminal Fixed at “H” in this set
50	PAGE2	O	External memory page selection signal output terminal Not used
51	VSS	—	Ground terminal
52, 53	PAGE1, PAGE0	O	External memory page selection signal output terminal Not used
54	BOOT	I	Boot mode control signal input terminal Not used
55	BTACT	O	Boot mode state display signal output terminal Not used
56	BST	I	Boot strap signal input from the main system controller
57	MOD1	I	Operation mode setting terminal “L”: enhanced mode, “H”: normal mode Fixed at “H” in this set
58	MOD0	I	Operation mode setting terminal “L”: single chip mode, “H”: can not use Fixed at “L” in this set
59	EXLOCK	I	PLL lock error signal and data error flag input from the digital audio interface receiver
60	VDDI	—	Power supply terminal (+2.6V)
61	VSS	—	Ground terminal
62, 63	A17, A16	O	Address signal output terminal Not used
64 to 66	A15 to A13	O	Address signal output to the S-RAM
67	GP10	O	Not used
68	GP9	O	Read ready signal output to the main system controller
69	GP8	I	PCM audio data input from the digital audio interface receiver or i-link system controller
70	VDDI	—	Power supply terminal (+2.6V)
71	VSS	—	Ground terminal
72 to 75	D15 to D12	I/O	Two-way data bus with the S-RAM
76	VDDE	—	Power supply terminal (+3.3V)
77 to 80	D11 to D8	I/O	Two-way data bus with the S-RAM
81	VSS	—	Ground terminal
82 to 85	A9, A12 to A10	O	Address signal output to the S-RAM
86	TDO	O	Simplicity emulation data output terminal Not used
87	TMS	I	Simplicity emulation data input start and end terminal Not used
88	XTRST	I	Simplicity emulation non-sync break signal input terminal Not used
89	TCK	I	Simplicity emulation clock signal input terminal Not used
90	TDI	I	Simplicity emulation data input terminal Not used
91	VSS	—	Ground terminal
92 to 97	A8 to A3	O	Address signal output to the S-RAM
98, 99	D7, D6	I/O	Two-way data bus with the S-RAM
100	VDDI	—	Power supply terminal (+2.6V)
101	VSS	—	Ground terminal
102 to 105	D5 to D2	I/O	Two-way data bus with the S-RAM
106	VDDE	—	Power supply terminal (+3.3V)
107, 108	D1, D0	I/O	Two-way data bus with the S-RAM
109, 110	A2, A1	O	Address signal output to the S-RAM
111	VSS	—	Ground terminal

Pin No.	Pin Name	I/O	Description
112	A0	O	Address signal output to the S-RAM
113	PM	I	PLL initialize signal input from the main system controller
114, 115	SDI3, SDI4	I	Audio serial data input from the decimation filter
116	SYNC	I	Sync/non-sync setting terminal “L”: sync, “H”: non-sync Fixed at “H” in this set
117	TST2	O	Output terminal for the test Not used
118	VSS	—	Ground terminal
119	TST2	O	Output terminal for the test Not used
120	VDDI	—	Power supply terminal (+2.6V)

• DIGITAL BOARD IC2251 CXD9782R (DSP2)

Pin No.	Pin Name	I/O	Description
1	VDDI	—	Power supply terminal (+2.6V)
2	EXTIN	I	Master clock signal input terminal Not used
3, 4	WMD1, WMD0	I	External memory wait mode setting terminal Fixed at “H” in this set
5	MOD1	I	Operation mode setting terminal “L”: enhanced mode, “H”: normal mode Fixed at “H” in this set
6	MOD0	I	Operation mode setting terminal “L”: single chip mode, “H”: can not use Fixed at “L” in this set
7	VSS	—	Ground terminal
8	XRST	I	System reset signal input from the main system controller “L”: reset
9	VSS	—	Ground terminal
10	SCKOUT	O	Internal serial clock signal output terminal Not used
11	VDDI (PLL)	—	Power supply terminal (+2.6V) (for PLL)
12	SYNC	I	Sync/non-sync setting terminal “L”: sync, “H”: non-sync Fixed at “H” in this set
13 to 15	PAGE2 to PAGE0	O	External memory page selection signal output terminal Not used
16	PLOCK	O	Internal PLL lock signal output terminal Not used
17	BTACK	O	Boot mode state display signal output terminal Not used
18	VDDE	—	Power supply terminal (+3.3V)
19	VSS	—	Ground terminal
20 to 22	D31 to D29	I/O	Two-way data bus with the S-RAM
23	A17	O	Address signal output terminal Not used
24	VSS	—	Ground terminal
25, 26	SDO3, SDO4	O	Audio serial data output to the DC cut digital filter
27, 28	SDI1, SDI2	I	Audio serial data input from the DSP1
29	LRCKI1	I	L/R sampling clock signal (44.1 kHz) input from the DSP
30	VSS	—	Ground terminal
31, 32	D28, D27	I/O	Two-way data bus with the S-RAM
33	A16	O	Address signal output terminal Not used
34	A15	O	Address signal output to the S-RAM
35	SDI3	I	Audio serial data input from the DSP
36	L2	—	Not used
37	VDDI	—	Power supply terminal (+2.6V)
38	BCKI1	I	Bit clock signal (2.8224 MHz) input from the DSP
39	SDI4	I	Audio serial data input from the DSP
40	MS	I	Master/slave setting terminal “L”: internal clock, “H”: external clock Fixed at “L” in this set
41, 42	A14, A13	O	Address signal output to the S-RAM
43, 44	D26, D25	I/O	Two-way data bus with the S-RAM
45	VSS	—	Ground terminal
46	BCKI2	I	Bit clock signal (2.8224 MHz) input terminal Not used
47, 48	FS2, FS1	I	Sampling frequency selection signal input terminal Not used
49	SPDIF	I	SPDIF signal input terminal Not used
50	A12	O	Address signal output to the S-RAM
51 to 53	D24 to D22	I/O	Two-way data bus with the S-RAM
54	VDDE	—	Power supply terminal (+3.3V)
55	VSS	—	Ground terminal

Pin No.	Pin Name	I/O	Description
56 to 58	D21 to D19	I/O	Two-way data bus with the S-RAM
59	A11	O	Address signal output to the S-RAM
60, 61	SDO1, SDO2	O	Audio serial data output to the DC cut digital filter
62	KFSIO	I	Audio clock signal input terminal
63	LRCKO	O	L/R sampling clock signal (44.1 kHz) output to the DC cut digital filter
64	BCKO	O	Bit clock signal (2.8224 MHz) output to the DC cut digital filter
65	VDDI	—	Power supply terminal (+2.6V)
66	VSS	—	Ground terminal
67, 68	D18, D17	I/O	Two-way data bus with the S-RAM
69, 70	A10, A9	O	Address signal output to the S-RAM
71	CAS	O	Column address strobe signal output terminal Not used
72	RAS	O	Row address strobe signal output terminal Not used
73	VDDI	—	Power supply terminal (+2.6V)
74	HDIN	I	Serial data input from the main system controller
75	HCLK	I	Serial data transfer clock signal input from the main system controller
76	HCS	I	Chip select signal input from the main system controller
77, 78	A8, A7	O	Address signal output to the S-RAM
79, 80	D16, D15	I/O	Two-way data bus with the S-RAM
81	VSS	—	Ground terminal
82	HDOUT	O	Serial data output to the main system controller
83	HACN	O	Acknowledge signal output to the main system controller
84	CS0	O	Chip select signal output to the S-RAM
85	WE0	O	Write enable signal output to the S-RAM
86	A6	O	Address signal output to the S-RAM
87 to 89	D14 to D12	I/O	Two-way data bus with the S-RAM
90	VDDE	—	Power supply terminal (+3.3V)
91	VSS	—	Ground terminal
92 to 94	D11 to D9	I/O	Two-way data bus with the S-RAM
95	A5	O	Address signal output to the S-RAM
96	VDDI	—	Power supply terminal (+2.6V)
97	TCK	I	Simplicity emulation clock signal input terminal Not used
98	TDI	I	Simplicity emulation data input terminal Not used
99	TDO	O	Simplicity emulation data input terminal Not used
100	TMS	I	Simplicity emulation data input start and end select Not used
101	XTRST	I	Simplicity emulation non-sync break signal input terminal Not used
102	VSS	—	Ground terminal
103, 104	D8, D7	I/O	Two-way data bus with the S-RAM
105, 106	A4, A3	O	Address signal output to the S-RAM
107, 108	GP10, GP9	O	Not used
109	VDDI	—	Power supply terminal (+2.6V)
110	GP8	O	Not used
111	GP7	I	L/R sampling clock signal (44.1 kHz) input terminal
112	GP6	O	Not used
113, 114	A2, A1	O	Address signal output to the S-RAM
115, 116	D6, D5	I/O	Two-way data bus with the S-RAM
117	VSS	—	Ground terminal

Pin No.	Pin Name	I/O	Description
118, 119	GP5, GP4	O	Not used
120	GP3	O	Error signal output to the main system controller
121	NC	—	Not used
122	A0	O	Address signal output to the S-RAM
123 to 125	D4 to D2	I/O	Two-way data bus with the S-RAM
126	VDDE	—	Power supply terminal (+3.3V)
127	VSS	—	Ground terminal
128, 129	D1, D0	I/O	Two-way data bus with the S-RAM
130 to 132	GP2 to GP0	O	Not used
133	SDCLK	O	SD-RAM clock signal output terminal Not used
134	CLKEN	O	SD-RAM chip enable output terminal Not used
135	DQM	O	Output terminal of data input/output mask Not used
136	EXLOCK	I	Lock signal input from the main system controller
137	VDDI	—	Power supply terminal (+2.6V)
138	VSS	—	Ground terminal
139	MCLK2	O	System clock output terminal (13.5 MHz)
140	PM	I	PLL initialize signal input from the main system controller
141	BST	I	Boot strap signal input from the main system controller
142	BOOT	I	Boot mode control signal input terminal Not used
143	TST	I	Not used
144	MCLK1	I	System clock input terminal (13.5 MHz)

• **DIGITAL BOARD IC2301 CXD9722TQ (LIP SYNC ADJUST)**

Pin No.	Pin Name	I/O	Description
1 to 5	D1 to D5	I/O	Two-way data bus with the SD-RAM
6	VDD	—	Power supply terminal (+3.3V)
7, 8	D6, D7	I/O	Two-way data bus with the SD-RAM
9	VSS	—	Ground terminal
10	WE	O	Write enable signal output to the SD-RAM
11	CAS	O	Column address strobe signal output to the SD-RAM
12	RAS	O	Row address strobe signal output to the SD-RAM
13	CS	O	Chip select signal output to the SD-RAM
14	CLK	O	Clock signal output to the SD-RAM
15	CKE	O	Clock enable signal output to the SD-RAM
16	VDD	—	Power supply terminal (+3.3V)
17 to 22	A11, A10, A0 to A3	O	Address signal output to the SD-RAM
23	VSS	—	Ground terminal
24 to 29	A9 to A4	O	Address signal output to the SD-RAM
30	VSS	—	Ground terminal
31	DRSO	O	Surround R-ch data output terminal Not used
32	DLSO	O	Surround L-ch data output terminal Not used
33	DEXRO	O	Not used
34	DLFEO	O	Sub woofer data output terminal Not used
35	DCO	O	Center data output terminal Not used
36	VDD	—	Power supply terminal (+3.3V)
37	DRO	O	Front R-ch data output terminal Not used
38	DLO	O	Front L-ch data output terminal Not used
39	VSS	—	Ground terminal
40	DMRO	O	Data output terminal for R-ch down mix Not used
41	DMLO	O	Data output terminal for L-ch down mix Not used
42	VSS	—	Ground terminal
43	VDD	—	Power supply terminal (+3.3V)
44	DLDR0	O	Surround back audio data output to the programmable logic device
45	CSWO	O	Center and sub woofer audio data output to the programmable logic device
46	SLSRO	O	Surround audio data output to the programmable logic device
47	FLFRO	O	Front audio data output to the programmable logic device
48	VSS	—	Ground terminal
49	SPDIFO	O	Digital audio data output terminal Not used
50	TEST1	I	Input terminal for the test
51	TRST	I	Reset signal input from terminal Not used
52	TMS	I	Mode selection signal input terminal Not used
53	TCK	I	Clock signal input terminal Not used
54	TDI	I	Serial data signal input terminal Not used
55	TDO	O	Serial data signal output terminal Not used
56	TEST2	I	Input terminal for the test
57	SPDIFI	I	Digital audio data input terminal Not used
58	VSS	—	Ground terminal
59	LRCKI	I	L/R sampling clock signal (44.1 kHz) input from the Dc cut digital filter
60	BCKI	I	Bit clock signal (2.8224 MHz) input from the Dc cut digital filter

Pin No.	Pin Name	I/O	Description
61	VDD	—	Power supply terminal (+3.3V)
62	VSS	—	Ground terminal
63	DLDR1	I	Surround back audio data input from the Dc cut digital filter
64	CSWI	I	Center and sub woofer audio data input from the Dc cut digital filter
65	SLSRI	I	Surround audio data input from the Dc cut digital filter
66	FLFRI	I	Front audio data input from the Dc cut digital filter
67	TEST3	I	Input terminal for the test
68	CLK512	I	Master clock signal input terminal
69	VSS	—	Ground terminal
70	XRST	I	Reset signal input terminal “L”: reset
71	VDD	—	Power supply terminal (+3.3V)
72	SCLK	I	Serial clock signal input from the main system controller
73	XCS	I	Chip select signal input from the main system controller
74	SI	I	Serial data input from the main system controller
75	SO	O	Serial data output to the main system controller
76	DEXRI	I	Not used
77	DMLI	I	Data input terminal for L-ch down mix Not used
78	DMRI	I	Data input terminal for R-ch down mix Not used
79	VSS	—	Ground terminal
80	PHAI	I	Clock signal input terminal Not used
81	BCKAI	I	Bit clock signal (2.8224 MHz) input terminal Not used
82	DQM	O	Not used
83	DLI	I	Front L-ch data input terminal Not used
84	DRI	O	Front R-ch data input terminal Not used
85	DCI	O	Center data input terminal Not used
86	DLFEI	O	Sub woofer data input terminal Not used
87	DLSI	O	Surround L-ch data input terminal Not used
88	DRSI	O	Surround R-ch data input terminal Not used
89	VSS	—	Ground terminal
90 to 95	D15 to D10	I/O	Two-way data bus with the SD-RAM
96	VDD	—	Power supply terminal (+3.3V)
97, 98	D9, D8	I/O	Two-way data bus with the SD-RAM
99	GND	—	Ground terminal
100	D0	I/O	Two-way data bus with the SD-RAM

• DIGITAL BOARD IC2426 ISPLSI2032VE-110LTN44-MOD (PROGRAMMABLE LOGIC DEVICE)

Pin No.	Pin Name	I/O	Description
1	EDGE	I	Clock signal input terminal
2	BCKIN	I	Bit clock signal (2.8224 MHz) input terminal
3	BCK2IN	I	Bit clock signal (2.8224 MHz) input terminal
4	I/O	I/O	Not used
5	MCK	I	Audio clock signal input terminal
6	VCC	—	Power supply terminal (+3.3V)
7	BSCAM	I	Boundary scan enable signal input terminal Not used
8	IN 0/TDI	I	Not used
9, 10	I/O	I/O	Not used
11	BCKAOUT	O	Not used
12	MCKOUT	O	System clock signal output to the PCM/PWM processor and D/A converter
13 to 16	DIOOUT_8 to DIOOUT_5	O	Audio signal output terminal Not used
17	GND	—	Ground terminal
18	IN 1/TDO	I/O	Not used
19 to 22	DIOOUT_8 to DIOOUT_5	O	Audio serial data output the PCM/PWM processor and D/A converter
23 to 26	I/O	I/O	Not used
27	Y2/TCK	I	Not used
28	VCC	—	Power supply terminal (+3.3V)
29	Y1/RESET	I	Reset signal input terminal Not used
30	TMS	I	Not used
31	DATAEN	I	Not used
32	CLKSEL	I	Clock selection signal input terminal
33	FS	I	Clock signal input terminal
34	I/O	I/O	Not used
35 to 38	DATA_1 to DATA_4	I	Audio serial data input from the lip sync adjust
39	GND	—	Ground terminal
40	GOE0	—	Global output enable signal input terminal Not used
41 to 44	DATA_5 to DATA_8	I	Audio serial data input terminal Not used

• DIGITAL BOARD IC2601 MB91F155-A9ES-X105 (MAIN SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	DSP CLK	O	Serial data transfer clock signal output to the DSP1
2	DSP HDIN	O	Serial data output to the DSP1
3	1BST SEL	O	Signal selection signal output terminal “L”: boot strap signal, “H”: L/R sampling clock signal
4	1XRST	O	System reset signal output to the DSP1 “L”: reset
5	1PM	O	PLL initialize signal output to the DSP1
6	1GP9	I	Read ready signal input from the DSP1
7	1BST	O	Boot strap signal output to the DSP1
8	1HCS	O	Chip select signal output to the DSP1
9	VSS	—	Ground terminal
10	1HDOUT	I	Serial data input from the DSP1
11	1HACN	I	Acknowledge signal input from the DSP1
12	2XRST	O	System reset signal output to the DSP2 “L”: reset
13	2PM	O	PLL initialize signal output to the DSP2
14	2GP3	I	Error signal input from the DSP2
15	2BST	O	Boot strap signal output to the DSP2
16	2HCS	O	Chip select signal output to the DSP2
17	2HDOUT	I	Serial data input from the DSP2
18	2HACN	I	Acknowledge signal input from the DSP2
19	2EXLOCK	O	Lock signal output to the DSP2
20	DIR-CE	O	Chip enable signal output to the digital audio interface receiver
21	DIR-DO	I	Read data input from the digital audio interface receiver
22	DIR-ERROR	I	PLL lock error signal and data error flag input from the digital audio interface receiver
23	DIR-DATAO	I	Audio serial data input terminal
24	DIR-CKST	I	Clock select transition period input from the digital audio interface receiver
25	9776-INIT	O	Initialize signal output to the Dc cut digital filter
26	VSS	—	Ground terminal
27	VCC	—	Power supply terminal (+3.3V)
28	RF-ERROR	I	RF error signal input terminal Not used
29	TA-XCS	O	Chip select signal output to the lip sync adjust
30	TA-SO	I	Serial data input from the lip sync adjust
31	DA-LAT	O	Serial data latch pulse signal output to the D/A converter
32	DA-OUT	I	Serial data input from the D/A converter
33	D595-OE	O	Output enable signal output to the data decoder
34	D595-LAT1	O	Serial data latch pulse output to the digital input/output controller
35	D595-LAT2	O	Serial data latch pulse output to the data decoder
36	COM1-CLK	O	Serial data transfer clock signal output to the digital audio interface receiver, lip sync adjust, data decoder and D/A converter
37	COM1-DAT	O	Serial data output to the digital audio interface receiver, lip sync adjust, data decoder and D/A converter
38	COM2-DAT	O	Serial data output to the function switch, data decoder, LED driver, electrical volume and tuner unit
39	COM2-CLK	O	Serial data transfer clock signal output to the function switch, data decoder, LED driver, electrical volume and tuner unit
40	RY-595OE	O	Output enable signal output to the data decoder
41	V595/C595-OE	O	Output enable signal output to the data decoder
42	RY595-LAT	O	Serial data latch pulse output to the data decoder

Pin No.	Pin Name	I/O	Description
43	V595-LAT	O	Serial data latch pulse output to the data decoder
44	VSS	—	Ground terminal
45	C595-LAT	O	Serial data latch pulse output to the data decoder
46	FUNCLAT	O	Serial data latch pulse output to the function switch
47	D.MIXLAT	O	Serial data latch pulse output to the function switch
48	VDLLAT	O	Serial data latch pulse output to the electrical volume
49	PRE.D.M.LAT	O	Serial data latch pulse output to the function switch
50	PREOUT VOL-LAT	O	Serial data latch pulse output to the electrical volume
51	A1OUT	O	SIRCS signal output for the CONTROL A1II
52	MD2	I	Model destination signal input from the sub system controller
53	MD1	I	Model destination signal input terminal Not used
54	MD0	I	Model destination signal input from the sub system controller
55	RSTX	I	System reset signal input terminal “L”: reset
56	VCC	—	Power supply terminal (+3.3V)
57	X1	O	Main system clock output terminal (16.5 MHz)
58	X0	I	Main system clock input terminal (16.5 MHz)
59	VSS	—	Ground terminal
60	A1IN	I	SIRCS signal input for the CONTROL A1II
61	SIRCS IN	I	SIRCS signal input terminal
62	POWER SW	I	I/⏻ key input terminal
63 to 67	MBUS-ST0 to MBUS-ST5	I	M-BUS status input from the sub system controller
68	VCC	—	Power supply terminal (+3.3V)
69	RST TRG	O	Reset signal output terminal
70	END FLAG	O	End flag output to the sub system controller
71	A1-LAT	O	Serial data latch pulse signal output to the sub system controller
72	ILINK RST	O	System reset signal output to the I-link system controller “L”: reset
73, 74	FUNC1, FUNC2	I	Jog dial pulse input from the rotary encoder (for INPUT SELECTOR)
75, 76	POW-RY, POW-RY2	O	Relay drive signal (for main power) output terminal “H”: relay on
77	VCC	—	Power supply terminal (+3.3V)
78	STOP	I	AC off detection signal input terminal
79	TUN-LAT	O	Serial data latch pulse signal output to the tuner unit (AEP model only)
80	TUN-TUNED	I	Tuned detection signal input from the tuner unit (AEP model only)
81	TUN-STEREO	I	FM stereo detection signal input from the tuner unit (AEP model only)
82	TUN-DO	I	Serial data input from the tuner unit (AEP model only)
83	SUB-RST	O	System reset signal output to the output controller “L”: reset
84	S-MUTE	O	System muting on/off control signal output terminal “H”: muting on
85	MIAN-CLK	O	Clock signal output to the output controller
86	SUB-U INFO2	I	Serial data input from the output controller
87	SUB-U INFO1	O	Serial data output to the output controller
88	BBSEL	O	Bass boost filter on/off selection signal output to the DC cut digital filter “L”: on
89	FSRATE	I	L/R sampling clock signal (44.1 kHz) input from the digital audio interface receiver, decimation filter and i-link interface
90, 91	VOL JOG1, VOL JOG2	I	Jog dial pulse input from the rotary encoder (for MASTER VOLUME)

Pin No.	Pin Name	I/O	Description
92, 93	BASS JOG1, BASS JOG2	I	Jog dial pulse input from the rotary encoder (for BASS)
94	OSD-LAT	O	Serial data latch pulse signal output to the OSD driver
95	FL-LAT	O	Serial data latch pulse output to the fluorescent indicator tube
96	FL-CLR	O	Clear signal output to the fluorescent indicator tube
97	VCC	—	Power supply terminal (+3.3V)
98	VSS	—	Ground terminal
99	SDA	I/O	Two-way data bus with the i-link system controller
100	SCL	O	Serial data transfer clock signal output to the i-link system controller
101	VSS	—	Ground terminal
102	OSD-CLK	O	Serial data transfer clock signal output to the OSD driver
103	OSD-DAT	O	Serial data output to the OSD driver
104	ERR/AUD-SEL	O	Error signal/audio data selection signal output terminal
105	TREB JOG1	I	Jog dial pulse input from the rotary encoder (for TREBLE)
106	TREB JOG2	I	Jog dial pulse input from the rotary encoder (for TREBLE)
107	UPCOM-DAT	I/O	Two-way data bus with the chroma decoder
108	UPCOM-CLK	O	Serial data transfer clock signal output to the chroma decoder
109	SOT1	O	Serial data output to the RS-232C
110	SIN1	I	Serial data input from the RS-232C
111	FL1-CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
112	FL1-DATA	O	Serial data output to the fluorescent indicator tube
113	EEPROM SDA	I/O	Two-way data bus with the EEPROM
114	EEPROM SCL	O	Serial data transfer clock signal output to the EEPROM
115	HP IN	I	Headphone detection signal input terminal “H”: headphone is connected
116, 117	FSPSW-A, FSPSW-B	I	Front speaker selection switch input terminal
118, 119	MENU JOG1, MENU JOG2	I	Jog dial pulse input from the rotary encoder (for MAIN MENU)
120, 121	PAGE JOG1, PAGE JOG2	I	Jog dial pulse input from the rotary encoder (for MENU)
122	VCC	—	Power supply terminal (+3.3V)
123	LED LAT	O	Serial data latch pulse signal output to the LED driver
124	LED CLR	O	Serial data transfer clock signal output to the LED driver
125	PCM-SEL	O	PCM imitation signal output terminal
126	DAVS (VSS)	—	Ground terminal (for D/A converter)
127	DAVC (VCC)	—	Power supply terminal (+3.3V) (for D/A converter)
128	AVCC (VCC)	—	Power supply terminal (+3.3V) (for A/D converter)
129	AVRH (VCC)	—	Reference voltage (+3.3V) input terminal (for A/D converter)
130	AVRL (VSS)	—	Reference voltage (0V) input terminal (for A/D converter)
131	AVSS (VSS)	—	Ground terminal (for A/D converter)
132 to 134	AD1	I	Front panel key input terminal (A/D input)
135	VERSION	I	Destination setting terminal
136, 137	RSPSW-A, RSPSW-B	I	Surround speaker selection switch input terminal
138	+/- JOG1	I	Jog dial pulse input from the rotary encoder (for -/+)
139	+/- JOG2	I	Jog dial pulse input from the rotary encoder (for -/+)
140	VCC2	—	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
141	BACUP	—	Power supply terminal (+3.3V) (for back up)
142	X0A	I	Sub system clock input terminal Not used
143	X1A	O	Sub system clock output terminal Not used
144	VSS	—	Ground terminal

• **DIGITAL BOARD IC2701 TMP87C447U-1F23 (SUB SYSTEM CONTROLLER)**

Pin No.	Pin Name	I/O	Description
1	STAT0	O	M-BUS status output to the main system controller
2	CARRIER-OUT	O	SIRCS signal on/off control signal output terminal
3	FLASH	I	Not used
4	MBUS	I	Not used
5	CTRL-LATCH	I	Serial data latch pulse signal input from the main system controller
6, 7	—	—	Not used
8	SIRSTS	O	Not used
9	—	—	Not used
10	SIRCS-INPUT	I	SIRCS signal input terminal
11	A1-OUT	O	SIRCS signal output for CONTROL A1II
12	A1-IN	I	SIRCS signal input for CONTROL A1II
13	GND	—	Ground terminal
14	RESET	I	System reset signal input from the reset signal generator “L”: reset For several hundreds msec. after the power supply rises, “L” is input, then it changes to “H”
15	XIN	I	System clock input terminal (7.28 MHz)
16	XOUT	O	System clock output terminal (7.28 MHz)
17	GND	—	Ground terminal
18	VDD	—	Power supply terminal (+5V)
19	RESETC	O	Reset signal output to the main system controller
20	RESETN	O	Not used
21	OUTH11	O	Not used
22	OUTLO1	O	Not used
23	OUTH12	O	Model distination signal output to the main system controller
24	OUTLO2	O	Model distination signal output to the main system controller
25	ENDFLG	I	End flag input from the main system controller
26	UARTIN	I	Serial data input from the RS-232C
27 to 32	—	—	Not used
33	SIRCS-OUT	O	SIRCS signal output terminal
34 to 36	—	—	Not used
37	MBUS_TV	I	Not used
38	MBUS_V2	I	Not used
39	MBUS_V1	I	Not used
40	VDD	—	Power supply terminal (+5V)
41 to 44	STAT4 to STAT1	O	M-BUS status output to the main system controller

• I. LINK BOARD IC3002 M30626FHPFP-DA9000ES (I. LINK SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1 to 7	HD6 to HD0	I/O	Two-way data bus with the i. link DSP
8	BYTE	I	External data bus line byte selection signal input terminal “L”: 16 bit, “H”: 8 bit Fixed at “L” in this set
9	CNVSS	—	Processor mode selection signal input terminal “L”: single Fixed at “L” in this set
10	UN-MUTE	O	Muting on/off control signal output terminal
11	NC	O	Not used
12	RESET	I	System reset signal input from the main system controller “L”: reset
13	XOUT	O	System clock output terminal (10 MHz)
14	VSS	—	Ground terminal
15	XIN	I	System clock input terminal (10 MHz)
16	VCC	—	Power supply terminal (+3.3V)
17	NMI	I	Non-maskable interrupt input terminal Not used
18	MILES AUDIO	O	PCM audio data output to the DSP1
19	AKE_XF	I	External flag signal input from the i. link DSP
20	XHINT	O	Interrupt signal output terminal Not used
21	HRDY	I	Ready signal input from the i. link DSP
22	XHAS	O	Address strobe signal output to the i. link DSP
23, 24	XHDS1, XHDS2	O	Data strobe signal output to the i. link DSP
25	XHCS	O	Chip select signal output to the i. link DSP
26	XRS	O	Reset signal output to the i. link DSP “L”: reset
27, 28	NC	O	Not used
29	IIC CLK	I	Serial data transfer clock signal input from the main system controller
30	IIC DATA	I/O	Two-way data bus with the main system controller
31	TXD1	I	Not used
32	RXD1	I	Not used
33	CLK1	I	Not used
34	RTS1	I	Not used
35	ERRCLR	O	Error output clear signal output terminal
36	STR/TA	I	Model setting terminal “L”: STR-DA9000ES, “H”: TA-DA9000ES
37, 38	NC	O	Not used
39	RDY	I	Ready signal input from the i. link interface
40	ALE	O	Not used
41	HOLD (PULL UP)	I	Not used
42	HLDA	O	Not used
43	BCLK	O	Not used
44	RD	O	Read data output to the EEPROM and i. link interface
45	WRH	O	Not used
46	WR	O	Write data output to the EEPROM and i. link interface
47	NC	O	Not used
48	EEP_CS	O	Chip select signal output to the EEPROM
49	CXD3210 CS	O	Chip select signal output to the i. link interface
50	NC	O	Not used
51, 52	HCNTL0, HCNTL1	O	Control signal output to the i. link DSP
53	HBIL	O	Byte identification signal output to the i. link DSP
54	HRW	O	Read/write signal output to the i. link DSP

Pin No.	Pin Name	I/O	Description
55, 56	NC	O	Not used
57 to 61	A13 to A9	O	Address signal output to the EEPROM
62	VCC	—	Power supply terminal (+3.3V)
63	A8	O	Address signal output to the EEPROM and i. link interface
64	GND	—	Ground terminal
65 to 71	A7 to A1	O	Address signal output to the EEPROM and i. link interface
72	A0	O	Address signal output terminal Not used
73 to 88	D15 to D0	I/O	Two-way data bus with the EEPROM and i. link interface
89	PHY_BIAS	O	Power down signal output to the i. link interface
90	PHY_RST	O	Power reset signal output to the i. link interface “L”: reset
91	NC	O	Not used
92	LINK_RST	O	Link reset signal output to the i. link interface “L”: reset
93 to 95	NC	O	Not used
96	AVSS	—	Ground terminal (for A/D converter)
97	NC	O	Not used
98	A/D VREF	I	Reference voltage (+3.3V) input terminal (for A/D converter)
99	AVCC 3.3V	—	Power supply terminal (+3.3V) (for A/D converter)
100	HD7	I/O	Two-way data bus with the i. link DSP

• I. LINK BOARD IC3012 TMS320VC5409PGE100A (I. LINK DSP)

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	A22	O	Address signal output terminal Not used
3	VSS	—	Ground terminal
4	DVDD (3.3V)	—	Power supply terminal (+3.3V)
5	A10	O	Address signal output terminal Not used
6	HD7	I/O	Two-way data bus with the i. link system controller
7 to 11	A11 to A15	O	Address signal output terminal Not used
12	CVDD (1.8V)	—	Power supply terminal (+1.8V)
13	$\overline{\text{HAS}}$	I	Address strobe signal input from the i. link system controller
14, 15	VSS	—	Ground terminal
16	CVDD (1.8V)	—	Power supply terminal (+1.8V)
17	$\overline{\text{HCS}}$	I	Chip select signal input from the i. link system controller
18	$\overline{\text{HR/W}}$	I	Read/write signal input from the i. link system controller
19	READY	I	Ready signal input terminal Not used
20	$\overline{\text{PS}}$	I	Program select signal input terminal Not used
21	$\overline{\text{DS}}$	I	Data select signal input terminal Not used
22	$\overline{\text{IS}}$	I	I/O space select signal input terminal Not used
23	$\overline{\text{R/W}}$	O	Read/write signal output terminal Not used
24	$\overline{\text{MSTRB}}$	O	Memory strobe signal output terminal Not used
25	$\overline{\text{IOSTRB}}$	O	I/O strobe signal output terminal Not used
26	$\overline{\text{MSC}}$	O	Microstate complete signal output terminal Not used
27	XF	O	External flag signal output to the i. link system controller
28	$\overline{\text{HOLDA}}$	O	Hold acknowledge signal output terminal Not used
29	$\overline{\text{IAQ}}$	O	Instruction acquisition signal output terminal Not used
30	$\overline{\text{HOLD}}$	I	Hold signal input terminal Not used
31	$\overline{\text{BIO}}$	I	Branch control signal input terminal Not used
32	MP/ $\overline{\text{MC}}$	I	Microprocessor/microcomputer mode selection signal input terminal “L”: microcomputer mode, “H”: microprocessor mode Fixed at “L” in this set
33	DVDD (3.3V)	—	Power supply terminal (+3.3V)
34	VSS	—	Ground terminal
35	BDR1	I	Serial data input terminal Not used
36	BFSR1	I	Frame sync signal input terminal Not used
37	VSS	—	Ground terminal
38	BCLKR1	I	Receive clock signal input terminal Not used
39	HCNTL0	I	Control signal input from the i. link system controller
40	VSS	—	Ground terminal
41, 42	BCLKR0, BCLKR2	I	Receive clock signal input terminal Not used
43, 44	BFSR0, BFSR2	I	Frame sync signal input terminal Not used
45	BDR0	I	Serial data input terminal Not used
46	HCNTL1	I	Control signal input from the i. link system controller
47	BDR2	I	Serial data input terminal Not used
48, 49	BCLKX0, BCLKX2	I	Transmit clock signal input terminal Not used
50	VSS	—	Ground terminal
51	$\overline{\text{HINT/TOUT1}}$	O	Interrupt signal output to the INT2 (66 pin)
52	CVDD (1.8V)	—	Power supply terminal (+1.8V)

Pin No.	Pin Name	I/O	Description
53, 54	BFSX0, BFSX2	I	Frame sync signal input terminal Not used
55	HRDY	O	Ready signal output to the i. link system controller
56	DVDD (3.3V)	—	Power supply terminal (+3.3V)
57	VSS	—	Ground terminal
58	HD0	I/O	Two-way data bus with the i. link system controller
59, 60	BDX0, BDX2	O	Serial data output terminal Not used
61	IACK	O	Interrupt acknowledge signal output terminal Not used
62	HBIL	I	Byte identification signal input from the i. link system controller
63	$\overline{\text{NMI}}$	I	Non-maskable interrupt input terminal Not used
64, 65	$\overline{\text{INT0}}, \overline{\text{INT1}}$	I	Interrupt signal input terminal Not used
66	$\overline{\text{INT2}}$	I	Interrupt signal input from the $\overline{\text{HINT}}/\text{TOUT1}$ (⑤ pin)
67	$\overline{\text{INT3}}$	I	Interrupt signal input terminal Not used
68	CVDD (1.8V)	—	Power supply terminal (+1.8V)
69	HD1	I/O	Two-way data bus with the i. link system controller
70	VSS	—	Ground terminal
71	BCLKX1	I	Transmit clock signal input terminal Not used
72	VSS	—	Ground terminal
73	BFSX1	I	Frame sync signal input terminal Not used
74	BDX1	O	Serial data output terminal Not used
75	DVDD (3.3V)	—	Power supply terminal (+3.3V)
76	VSS	—	Ground terminal
77 to 79	CLKMD1 to CLKMD3	I	Clock mode selection signal input terminal Not used
80	HPI16	I	HPI 16 bit selection signal input terminal Not used
81	HD2	I/O	Two-way data bus with the i. link system controller
82	TOUT0	O	Timer output terminal Not used
83	EMU0	I	Not used
84	$\text{EMU1}/\overline{\text{OFF}}$	I	Not used
85	TDO	O	Not used
86	TDI	I	Not used
87	$\overline{\text{TRST}}$	I	Not used
88	TCK	I	Not used
89	TMS	I	Not used
90	VSS	—	Ground terminal
91	CVDD (1.8V)	—	Power supply terminal (+1.8V)
92	HPIENA	I	HPI module selection signal input terminal Not used
93	VSS	—	Ground terminal
94	CLKOUT	O	Master clock signal output terminal Not used
95	HD3	I/O	Two-way data bus with the i. link system controller
96	X1	O	System clock output terminal (20 MHz)
97	X2/CLKIN	I	System clock input terminal (20 MHz)
98	$\overline{\text{RS}}$	I	Reset signal input from the i. link system controller “L”: reset
99 to 104	D0 to D5	I/O	Two-way data bus terminal Not used
105	A16	O	Address signal output terminal Not used
106	VSS	—	Ground terminal
107 to 110	A17 to A20	O	Address signal output terminal Not used

Pin No.	Pin Name	I/O	Description
111	VSS	—	Ground terminal
112	DVDD (3.3V)	—	Power supply terminal (+3.3V)
113 to 119	D6 to D12	I/O	Two-way data bus terminal Not used
120	HD4	I/O	Two-way data bus with the i. link system controller
121 to 123	D13 to D15	I/O	Two-way data bus terminal Not used
124	HD5	I/O	Two-way data bus with the i. link system controller
125	CVDD (1.8V)	—	Power supply terminal (+1.8V)
126	VSS	—	Ground terminal
127	$\overline{\text{HDS1}}$	I	Data strobe signal input from the i. link system controller
128	VSS	—	Ground terminal
129	$\overline{\text{HDS2}}$	I	Data strobe signal input from the i. link system controller
130	DVDD (3.3V)	—	Power supply terminal (+3.3V)
131 to 134	A0 to A3	O	Address signal output terminal Not used
135	HD6	I/O	Two-way data bus with the i. link system controller
136 to 141	A4 to A9	O	Address signal output terminal Not used
142	CVDD (1.8V)	—	Power supply terminal (+1.8V)
143	A21	O	Address signal output terminal Not used
144	VSS	—	Ground terminal

• COMPONENT BOARD IC1329 MB90089F-G-238-BND (OSD DRIVER)

Pin No.	Pin Name	I/O	Description
1	YIN	I	Y (luminance) signal input terminal Not used
2	CIN	I	C (color) signal input terminal Not used
3	VIN	I	Composite video signal input terminal Not used
4	AVCC	—	Power supply terminal (+5V)
5	FSCO	O	Internal color burst phase display signal output terminal Not used
6	VBLK	O	Vertical blanking period signal output terminal Not used
7	VCC	—	Power supply terminal (+5V)
8	EXS	I	Input terminal from the clock generator for external color burst connected to crystal vibrator (14.31818 MHz)
9	XS	O	Output terminal from the clock generator for external color burst connected to crystal vibrator (14.31818 MHz)
10	HSYNC	O	Horizontal sync signal output terminal Not used
11	VSYNC	O	Vertical sync signal output terminal Not used
12	EXHSYN	I	External horizontal sync signal input terminal Not used
13	EXVSYN	I	External vertical sync signal input terminal Not used
14	VSS	—	Ground terminal
15	EXD	I	Dot clock generator connecting terminal for display
16	XD	O	Dot clock generator connecting terminal for display
17	VOB	O	Character and background period signal output terminal Not used
18 to 20	VOC2 to VOC0	O	Color signal output terminal Not used
21	TEST	I	Setting terminal for the test “L”: test (normally: fixed at “H”)
22	SCLK	I	Serial data transfer clock signal input from the main system controller
23	SIN	I	Serial data input from the main system controller
24	CS	I	Serial data latch pulse signal input from the main system controller
25	VOUT	O	Composite video signal output terminal
26	COUT	O	C (color) signal output terminal
27	YOUT	O	Y (luminance) signal output terminal
28	AVSS	—	Ground terminal

• AMP BOARD IC1800 MB89537APFM-G-461-BNDE1 (OUTPUT CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	4/8 IN	I	Current detection signal input from the protect circuit
2	MOD2	I	Not used
3	TEMP	I	Temperature detection signal input from the thermistor
4 to 10	—	—	Not used
11	AVCC	—	Power supply terminal (+3.3V)
12	AVR	I	Reference voltage (+3.3V) input terminal
13	AVSS	—	Ground terminal
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 to 18	—	—	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 (8 MHz)
23	X1	O	System clock output terminal (8 MHz)
24	VSS	—	Ground terminal
25	VOL-CLK	O	Serial data transfer clock signal output to the data decoder
26	VOL-DATA	O	Serial data output to the data decoder
27	VOL-LAT	O	Serial data latch pulse signal output to the data decoder
28	DAC-MUTE	O	Muting on/off control signal output terminal “H”: muting on
29, 30	(P23), (P22)	—	Not used
31	4I-LIMIT	I	IMPEDANCE SELECTOR switch input terminal “L”: 4Ω, “H”: 8Ω
32	DC	I	DC off detection signal input terminal
33	I LIMIT	I	Current detection signal input terminal Not used
34	4/8OUT	O	Relay drive signal (for speaker impedance 4Ω/8Ω selection) output terminal
35	DIAG	I	Temperature detection signal input from the power amplifier
36	EN	O	Enable signal output terminal
37	MODE1	O	PCM/DSD data selection signal output terminal Not used
38	INIT	O	Initialize signal output to the PCM/PWM processor
39	NSP-MUTE	O	Muting on/off control signal output terminal Not used
40	(P10)	—	Not used
41	—	—	Not used
42	U-SUB1	I	Serial data input from main system controller
43	LAT4	O	Serial data latch pulse signal (for surround back) output to the PCM/PWM processor
44	LAT3	O	Serial data latch pulse signal (for surround) output to the PCM/PWM processor
45	LAT2	O	Serial data latch pulse signal (for center) output to the PCM/PWM processor
46	LAT1	O	Serial data latch pulse signal (for front) output to the PCM/PWM processor
47	F-B RY	O	Relay drive signal (for front speaker B) output terminal
48	SR-A RY	O	Relay drive signal (for surround speaker A) output terminal
49	NC	—	Not used
50	F-A RY	O	Relay drive signal (for front speaker A) output terminal
51	SHIFT	O	Serial data transfer clock signal output to the PCM/PWM processor
52	SO1/SCDT	O	Serial data output to the PCM/PWM processor
53	SI1/SR-B RY	O	Relay drive signal (for surround speaker B) output terminal
54	C RY	O	Relay drive signal (for center speaker) output terminal
55	SB RY	O	Relay drive signal (for surround back speaker) output terminal

Pin No.	Pin Name	I/O	Description
56	VCC	—	Power supply terminal (+3.3V)
57	SP RY	O	Relay drive signal (for speaker) output terminal Not used
58	HP RY	O	Relay drive signal (for headphone) output terminal Not used
59	—	—	Not used
60	U-SUB2	O	Serial data output to main system controller
61	—	—	Not used
62	FORMAT	I	Not used
63	HENCYO	I	Not used
64	MUTE	I	Muting on/off control signal input terminal

SECTION 7 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)

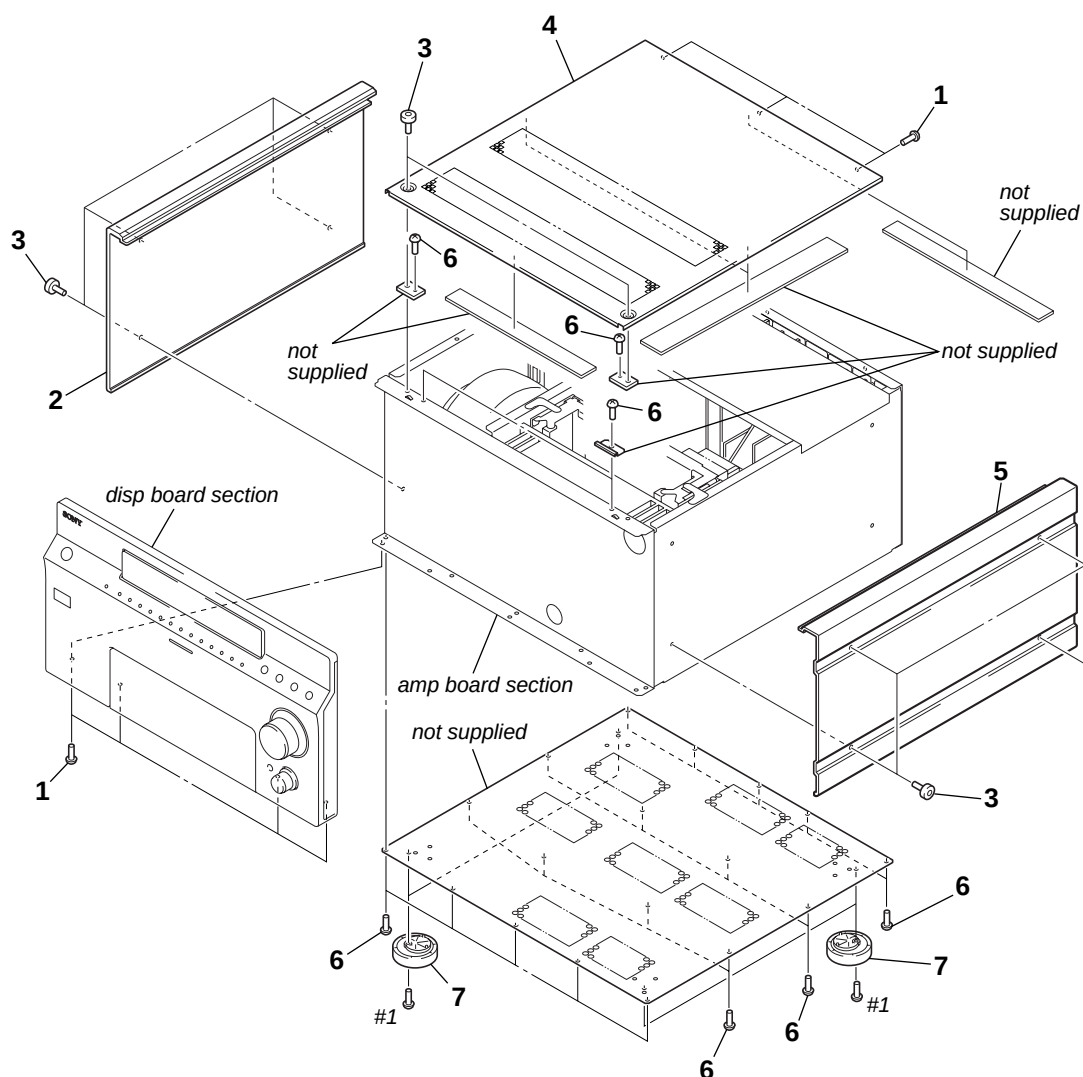
↑
Parts Color

↑
Cabinet's Color
- Abbreviation
KR : Korean model
TW : Taiwan model

- 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.
- Color variation
GOLD : AEP, Korean, Taiwan model
BLACK : AEP model

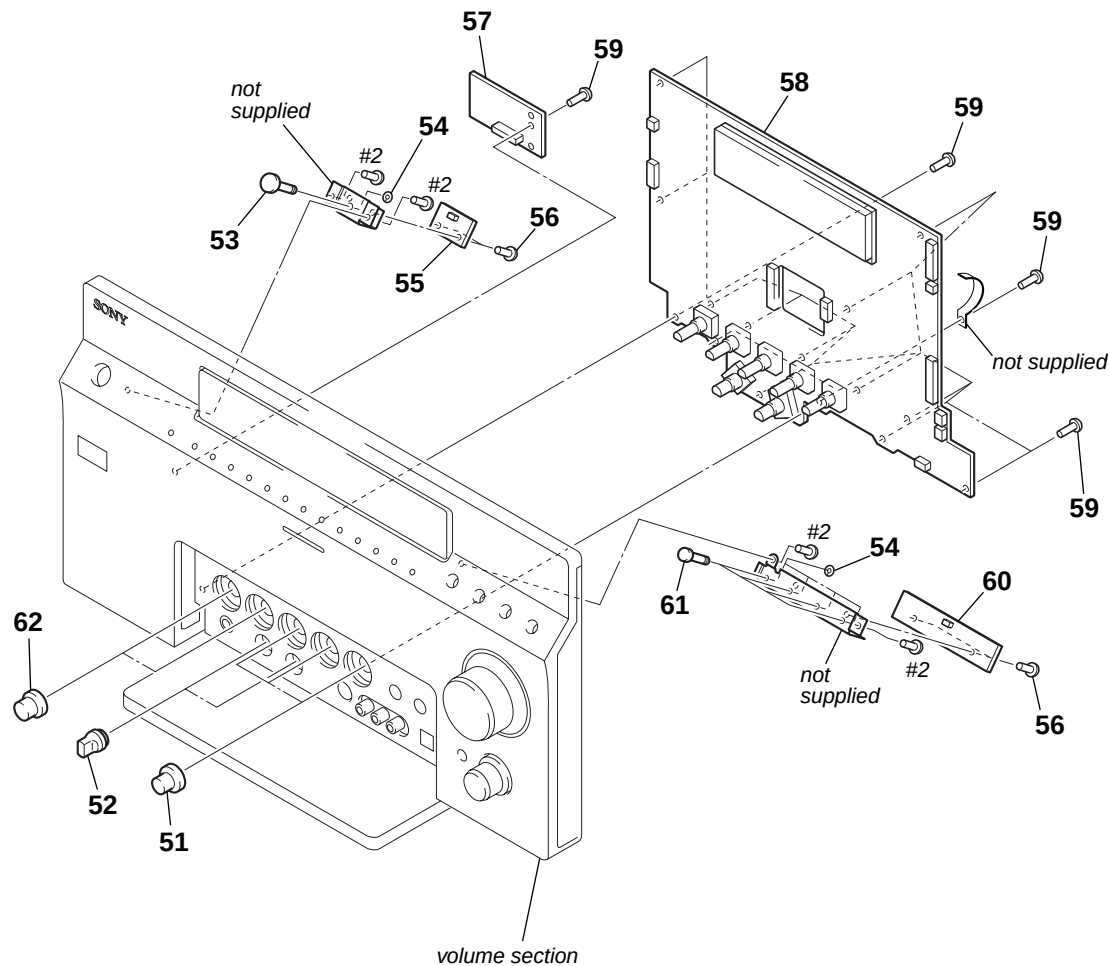
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

7-1. CASE SECTION



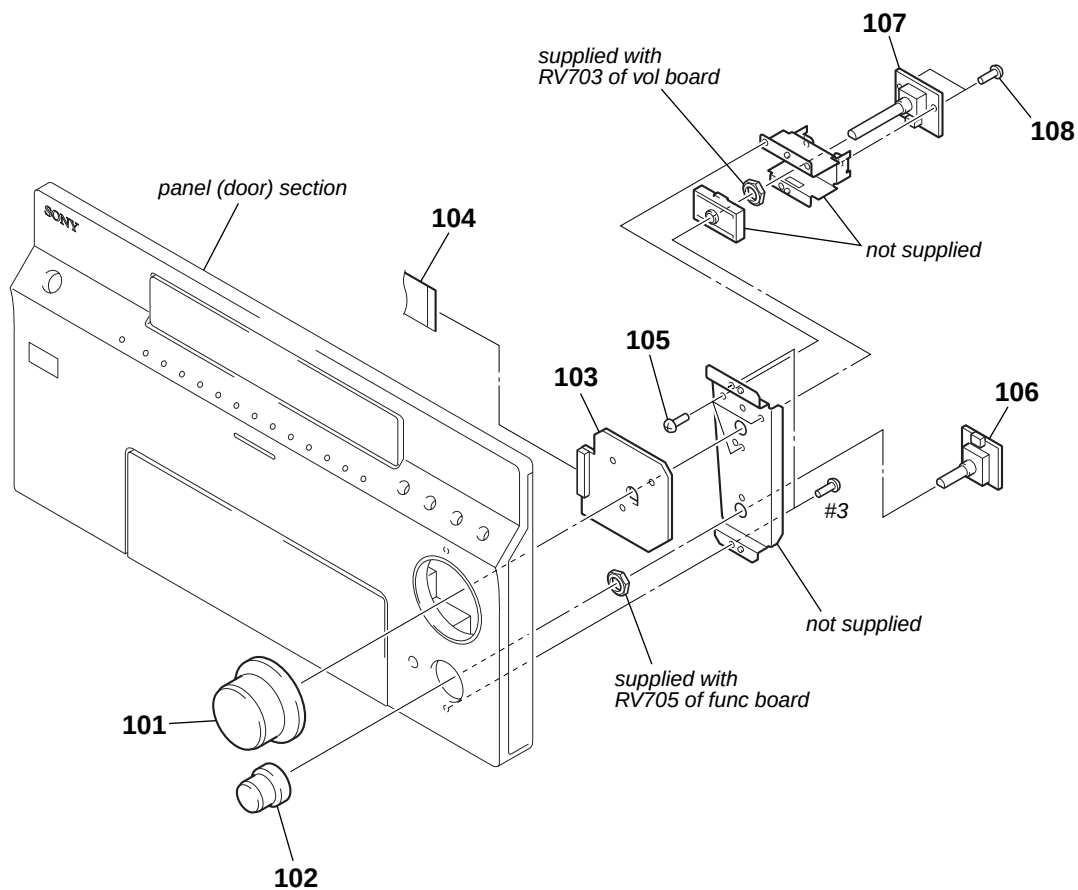
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-704-515-21	SCREW (BV/RING)		5	4-248-160-31	CASE (SIDE-R) (BLACK)	
2	4-248-160-21	CASE (SIDE-L) (BLACK)		5	4-248-160-51	CASE (SIDE-R) (GOLD)	
2	4-248-160-41	CASE (SIDE-L) (GOLD)		6	4-974-510-11	SCREW (+BV 3X8 CU)	
3	4-248-560-01	SCREW		7	X-4950-540-2	FOOT ASSY	
4	4-248-165-11	CASE (TOP) (BLACK)		#1	7-685-885-09	SCREW +BVTT 4X16 (S)	
4	4-248-165-21	CASE (TOP) (GOLD)					

7-2. DISP BOARD SECTION



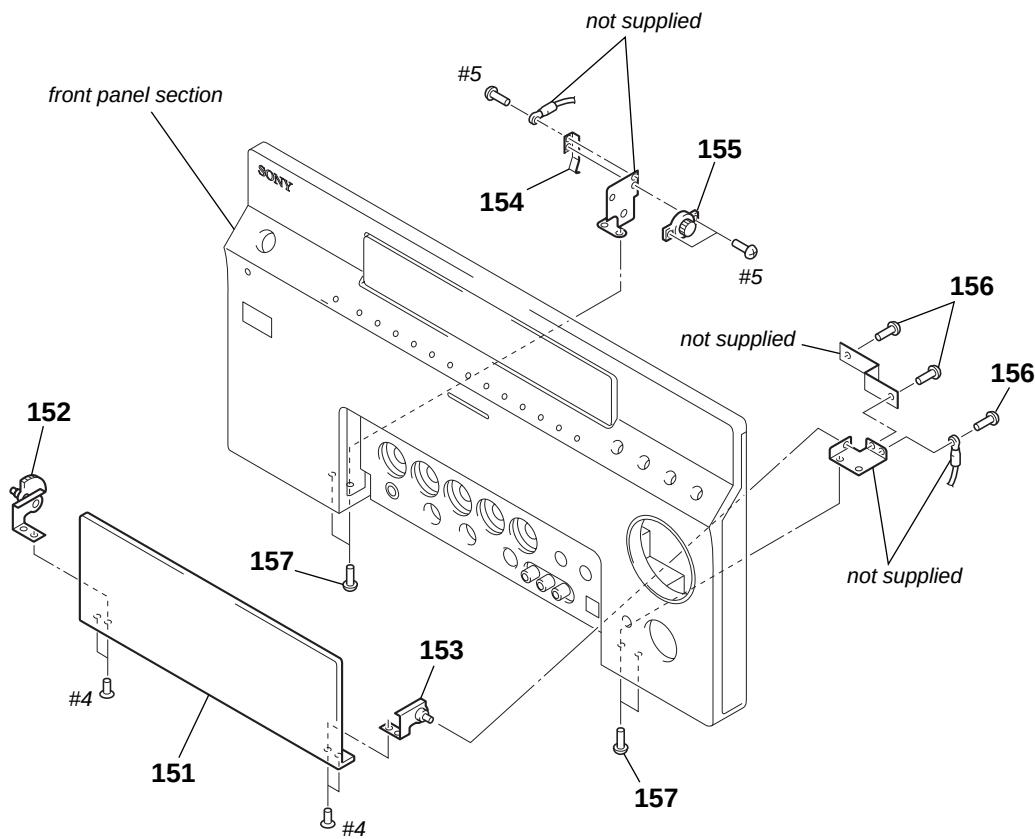
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-248-181-11	KNOB (R19) (BLACK)		57	A-4733-773-A	IR BOARD, COMPLETE	
51	4-248-181-21	KNOB (R19) (GOLD)		58	A-4733-780-A	DISP BOARD, COMPLETE	
52	4-248-182-11	KNOB (F13) (BLACK)		59	4-951-620-01	SCREW (2.6X8), +BVTP	
52	4-248-182-21	KNOB (F13) (GOLD)		60	A-4733-775-A	S. F BOARD, COMPLETE	
53	4-248-195-11	BUTTON (R13) (BLACK)		61	4-248-196-11	BUTTON (R7) (BLACK)	
53	4-248-195-21	BUTTON (R13) (GOLD)		61	4-248-196-21	BUTTON (R7) (GOLD)	
54	3-325-697-11	WASHER		62	4-248-181-41	KNOB (R19) (BLACK)	
55	1-688-672-11	POWER BOARD		62	4-248-181-51	KNOB (R19) (GOLD)	
56	4-974-510-11	SCREW (+BV 3X8 CU)		#2	7-682-545-09	SCREW +B 3X4	

7-3. VOLUME SECTION



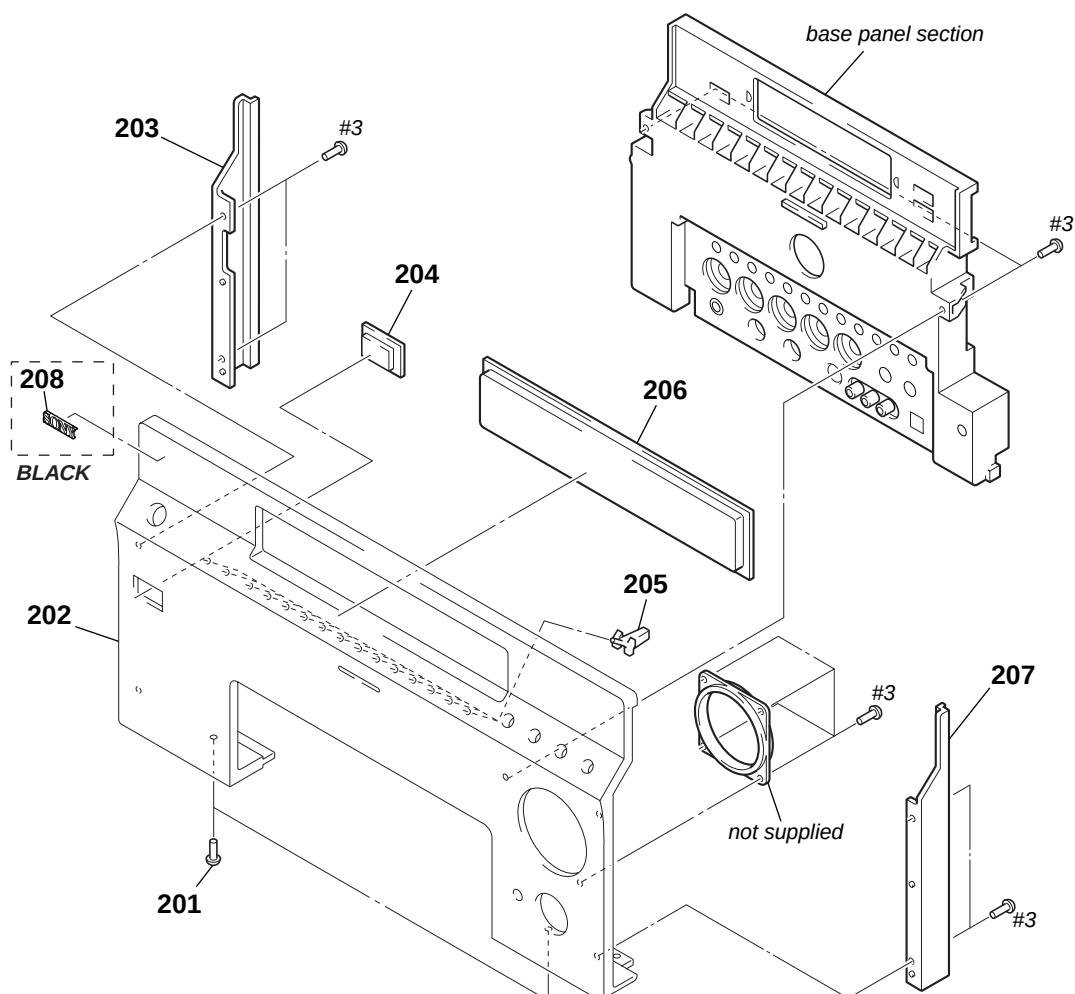
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	4-248-179-11	KNOB (R55) (BLACK)		105	4-951-620-01	SCREW (2.6X8), +BVTP	
101	4-248-179-21	KNOB (R55) (GOLD)		106	1-688-676-11	FUNC BOARD	
102	4-248-180-11	KNOB (R26) (BLACK)		107	1-688-677-11	VOL BOARD	
102	4-248-180-21	KNOB (R26) (GOLD)		108	4-974-510-11	SCREW (+BV 3X8 CU)	
103	A-4733-741-A	VOL. LED BOARD, COMPLETE		#3	7-682-546-04	SCREW +B 3X5	
104	1-773-175-11	WIRE (FLAT TYPE) (23 CORE)					

7-4. PANEL (DOOR) SECTION



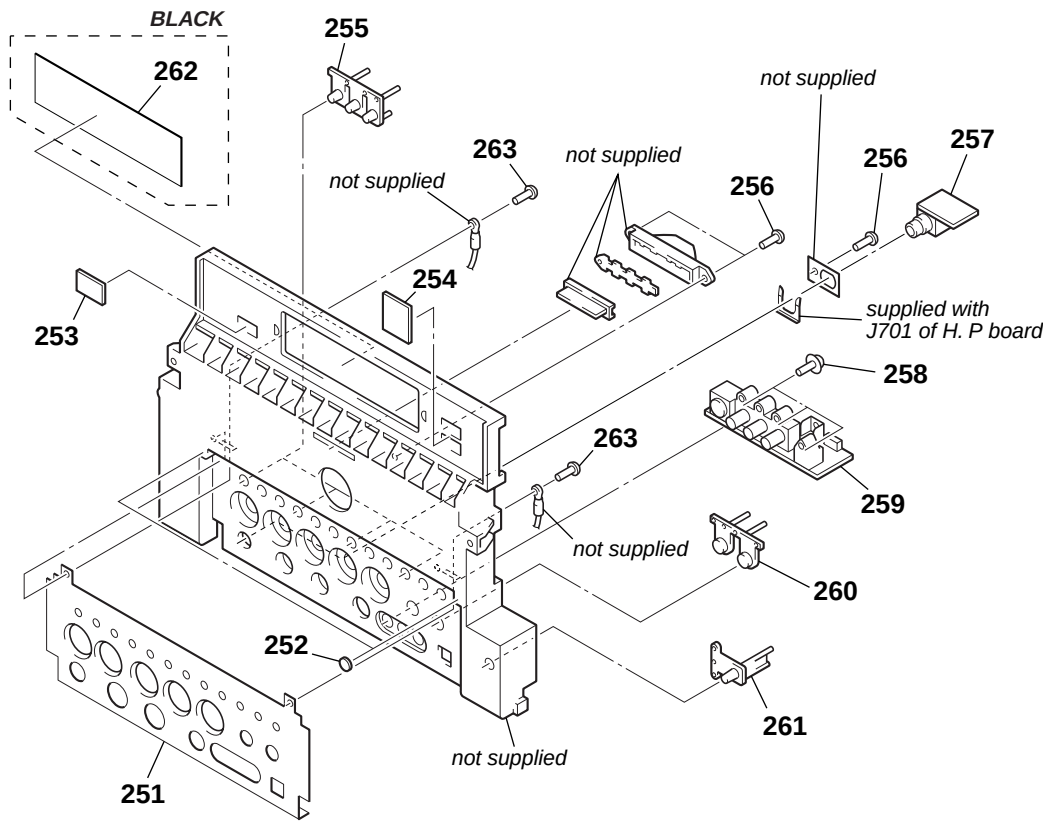
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	4-248-166-21	PANEL (DOOR) (BLACK)		155	4-240-391-01	DAMPER, OIL	
151	4-248-166-31	PANEL (DOOR) (GOLD)		156	4-974-510-11	SCREW (+BV 3X8 CU)	
152	X-4955-763-1	HINGE (L) ASSY		157	3-703-685-21	SCREW (+BV 3X8)	
153	X-4955-764-1	HINGE (R) ASSY		#4	7-682-247-09	SCREW +K 3X6	
154	4-250-561-01	SPRING (LOCK), LEAF		#5	7-621-772-20	SCREW +B 2X5	

7-5. FRONT PANEL SECTION



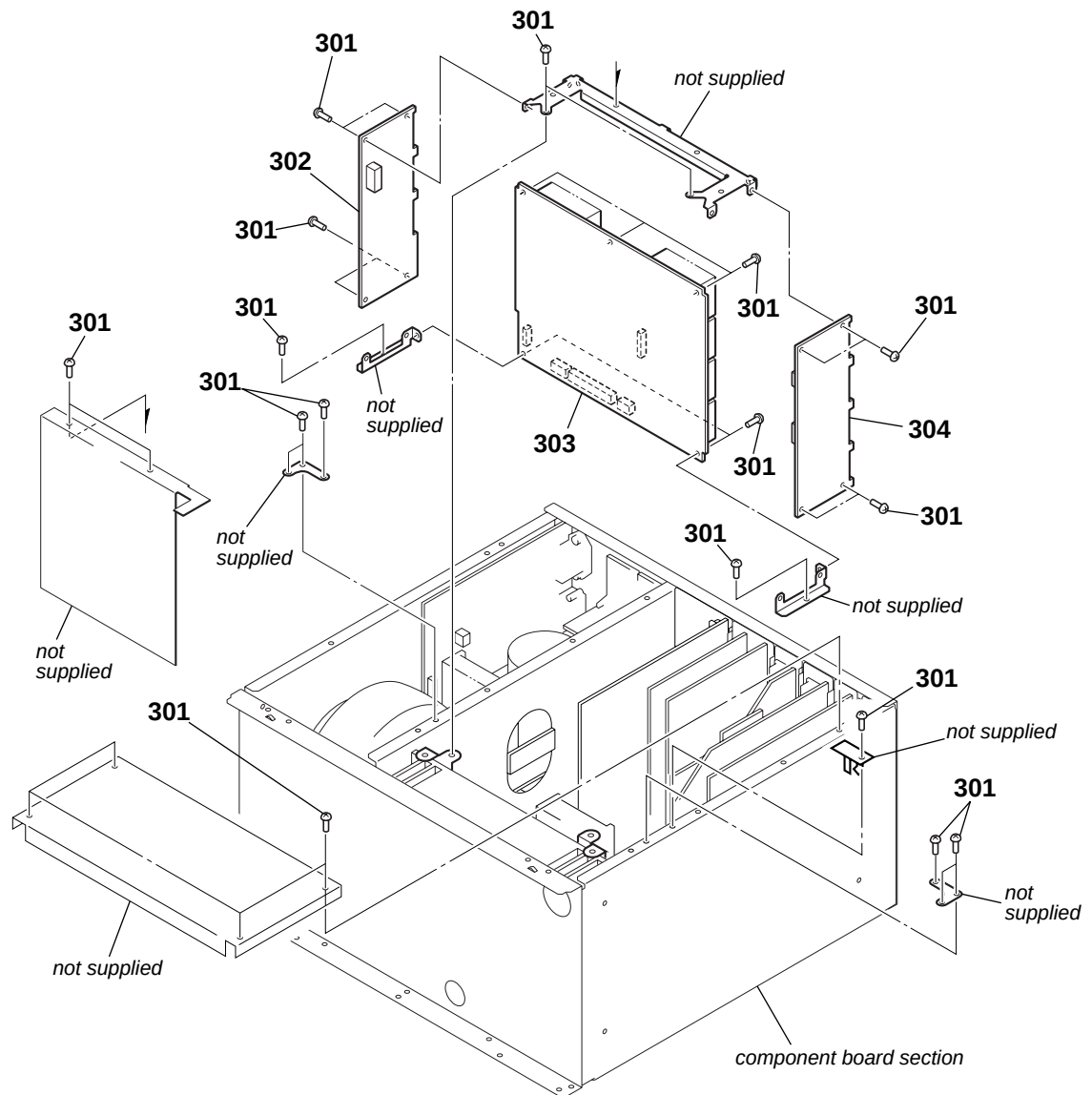
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	4-974-510-11	SCREW (+BV 3X8 CU)		206	4-248-176-01	PLATE (M), INDICATION (GOLD)	
202	4-248-163-21	PANEL (D9), FRONT (BLACK)		206	4-248-200-01	PLATE (B), INDICATION (BLACK)	
202	4-248-163-31	PANEL (D9), FRONT (GOLD)		207	4-248-164-31	PANEL (SIDE-R) (BLACK)	
203	4-248-164-21	PANEL (SIDE-L) (BLACK)		207	4-248-164-51	PANEL (SIDE-R) (GOLD)	
203	4-248-164-41	PANEL (SIDE-L) (GOLD)		208	4-942-568-41	EMBLEM (NO.5), SONY (BLACK)	
204	4-248-161-01	WINDOW (IR)					
205	4-248-169-01	PLATE (S), LIGHT GUIDE		#3	7-682-546-04	SCREW +B 3X5	

7-6. BASE PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	4-248-167-21	PLATE (P), ORNAMENTAL (BLACK)		257	1-688-678-11	H. P BOARD	
251	4-248-167-31	PLATE (P), ORNAMENTAL (GOLD)		258	4-933-134-11	SCREW (+PTPWH M2.6X8)	
252	4-248-187-01	CUSHION (DOOR) (GOLD)		259	A-4733-784-A	F. VIDEO BOARD, COMPLETE	
252	4-248-187-11	CUSHION (DOOR) (BLACK)		260	4-248-171-11	BUTTON (B) (BLACK)	
253	4-248-175-01	ILLUMINATOR (A)		260	4-248-171-21	BUTTON (B) (GOLD)	
254	4-248-175-11	ILLUMINATOR (B)		261	4-248-172-11	BUTTON (C) (BLACK)	
255	4-248-170-11	BUTTON (A) (BLACK)		261	4-248-172-21	BUTTON (C) (GOLD)	
255	4-248-170-21	BUTTON (A) (GOLD)		262	4-248-174-01	FILTER (W) (BLACK)	
256	4-951-620-01	SCREW (2.6X8), +BVTP		263	4-974-510-11	SCREW (+BV 3X8 UC)	

7-7. AMP BOARD SECTION



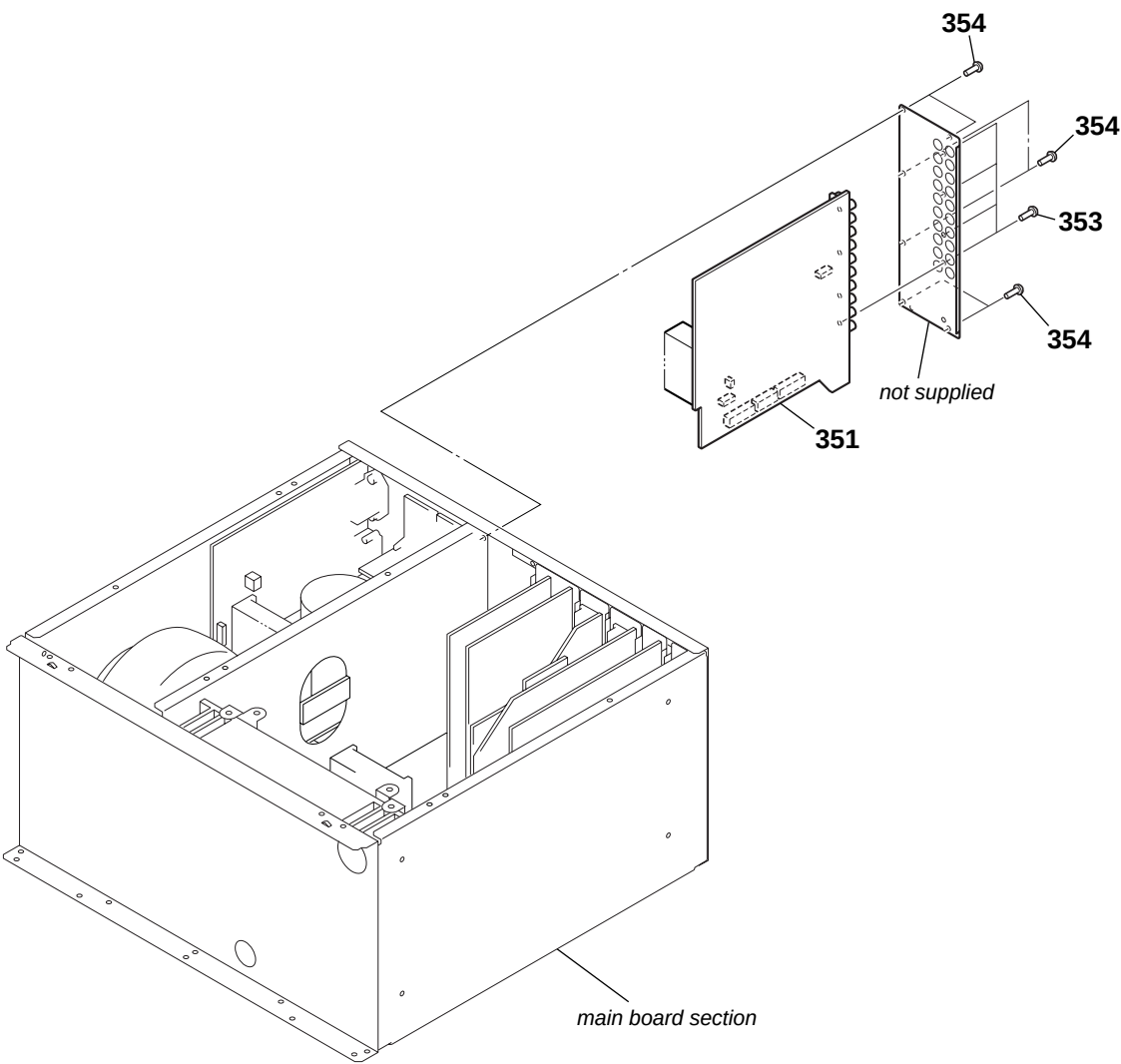
Ref. No.	Part No.	Description
301	4-974-510-11	SCREW (+BV 3X8 CU)
302	A-4733-769-A	FCOIL BOARD, COMPLETE

Remark

Ref. No.	Part No.	Description
303	A-4733-838-A	AMP BOARD, COMPLETE
304	A-4733-771-A	RCOIL BOARD, COMPLETE

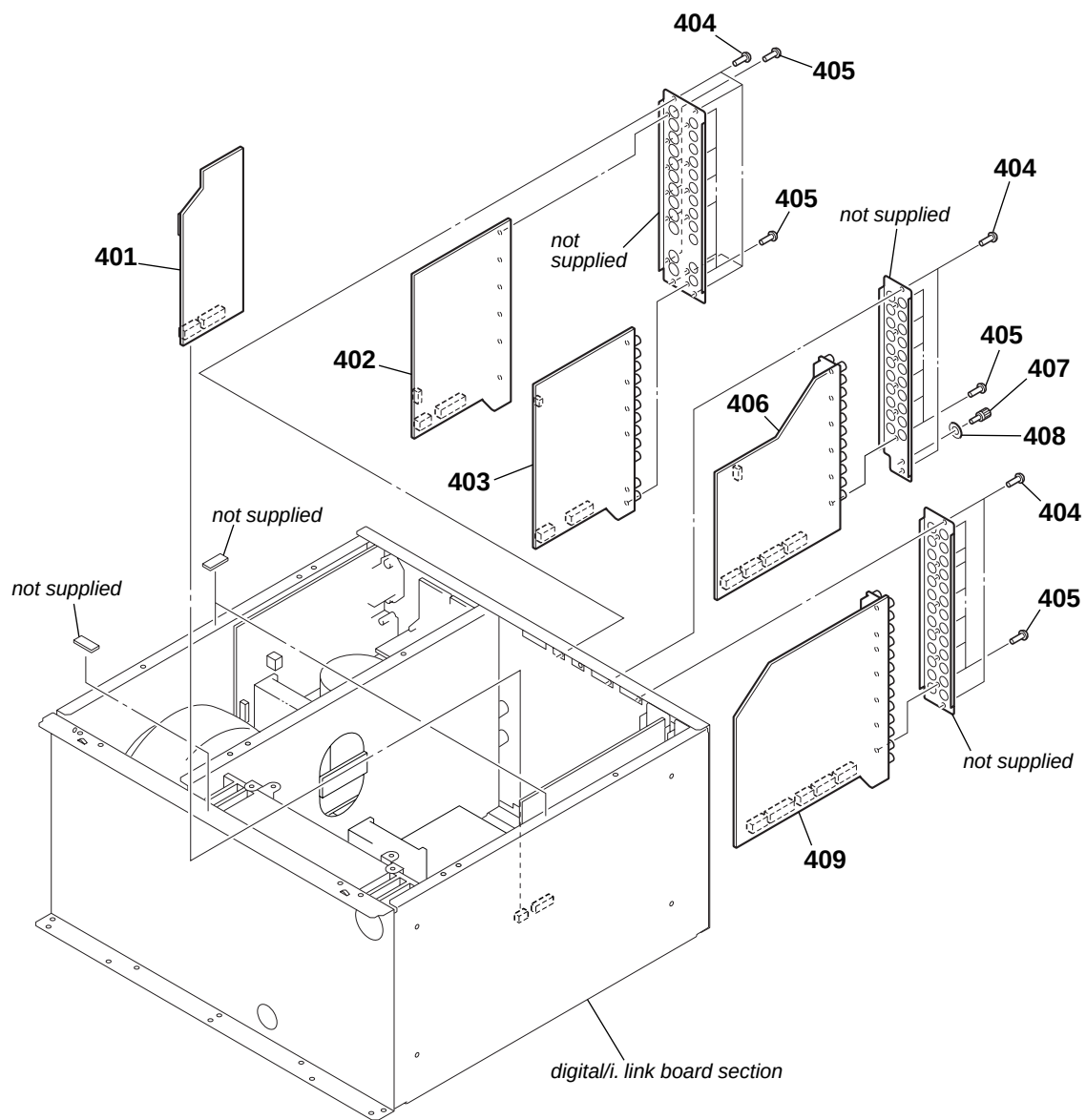
Remark

7-8. COMPONENT BOARD SECTION



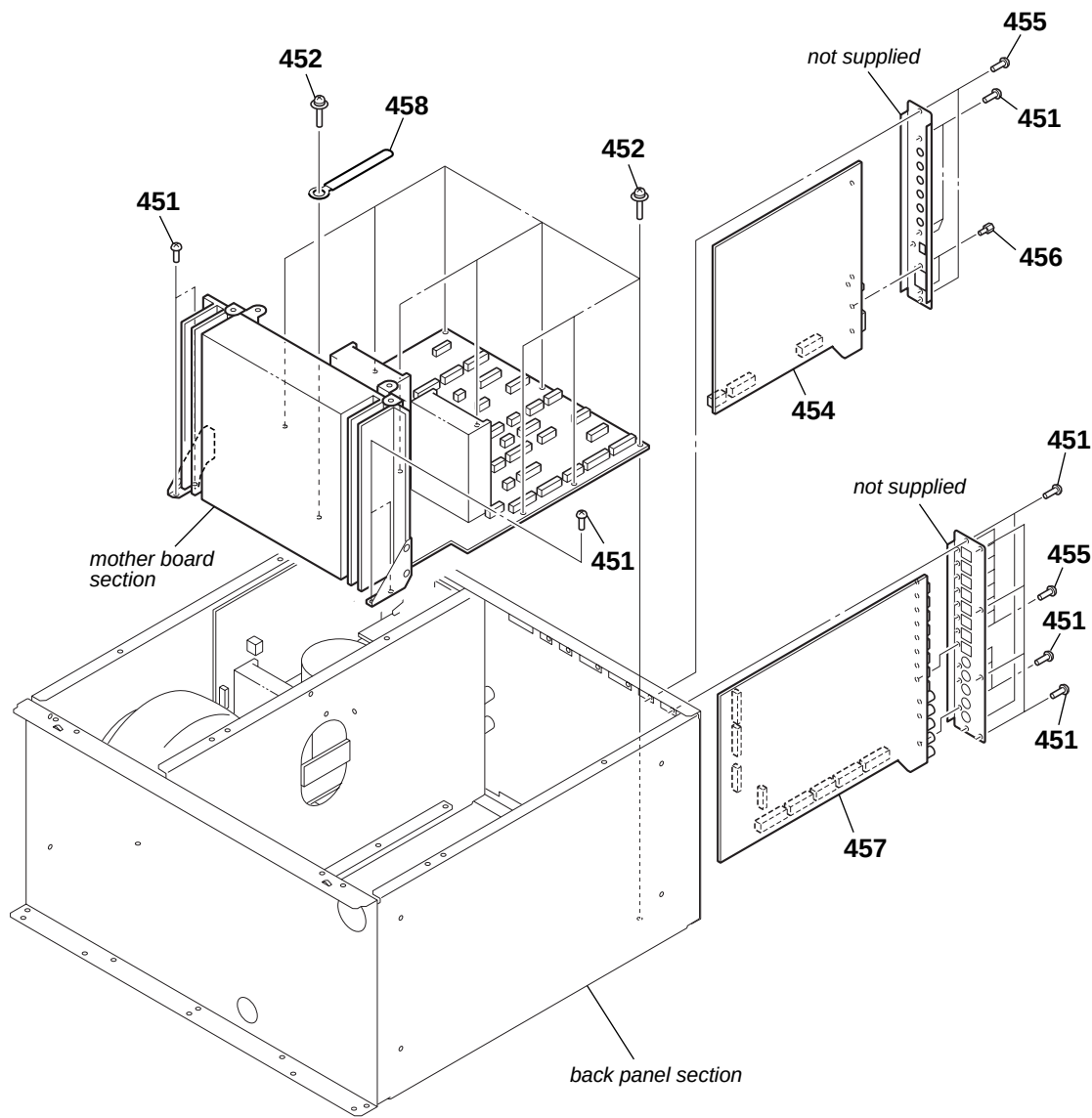
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	A-4733-795-A	COMPONENT BOARD, COMPLETE (TW, KR)		353	4-974-510-11	SCREW (+BV 3X8 CU)	
351	A-4733-853-A	COMPONENT BOARD, COMPLETE (AEP)		354	3-704-515-21	SCREW (BV/RING)	

7-9. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
401	A-4733-810-A	PREOUT BOARD, COMPLETE		406	A-4733-790-A	SUB BOARD, COMPLETE	
402	A-4733-744-A	S-VIDEO BOARD, COMPLETE		407	4-947-010-01	SCREW, FEEDER FIXED	
403	A-4733-743-A	VIDEO BOARD, COMPLETE		408	4-927-669-01	WASHER (BU)	
404	3-704-515-21	SCREW (BV/RING)		409	A-4733-788-A	MAIN BOARD, COMPLETE	
405	4-974-510-11	SCREW (+BV 3X8 CU)					

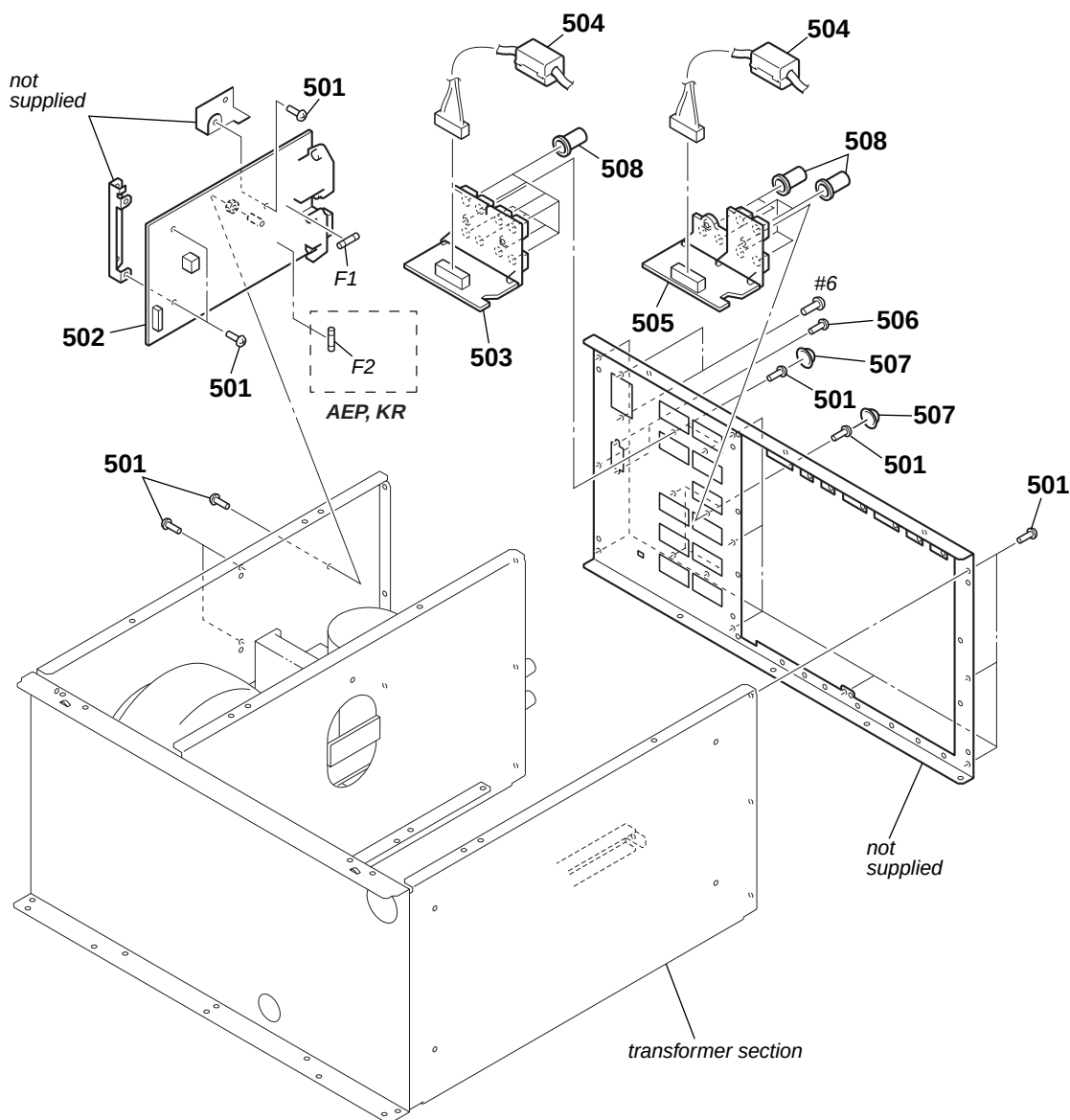
7-10. DIGITAL/I. LINK BOARD SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
451	4-974-510-11	SCREW (+BV 3X8 CU)		456	4-635-966-01	SCREW (HEX)	
452	3-905-609-11	SCREW (TRANSISTOR)		457	A-4733-841-A	DIGITAL BOARD, COMPLETE (TW, KR)	
454	A-4733-835-A	I. LINK BOARD, COMPLETE		457	A-4733-862-A	DIGITAL BOARD, COMPLETE(AEP)	
455	3-704-515-21	SCREW (BV/RING)		* 458	4-662-796-01	CLIP, COACHING	

New part of microcomputer (IC3002) and EEPROM (IC3001) on the I. LINK board cannot be used. Therefore, if the mounted I. LINK board (A-4733-835-A) is replaced, exchange new microcomputer and new EEPROM with that used before the replacement.

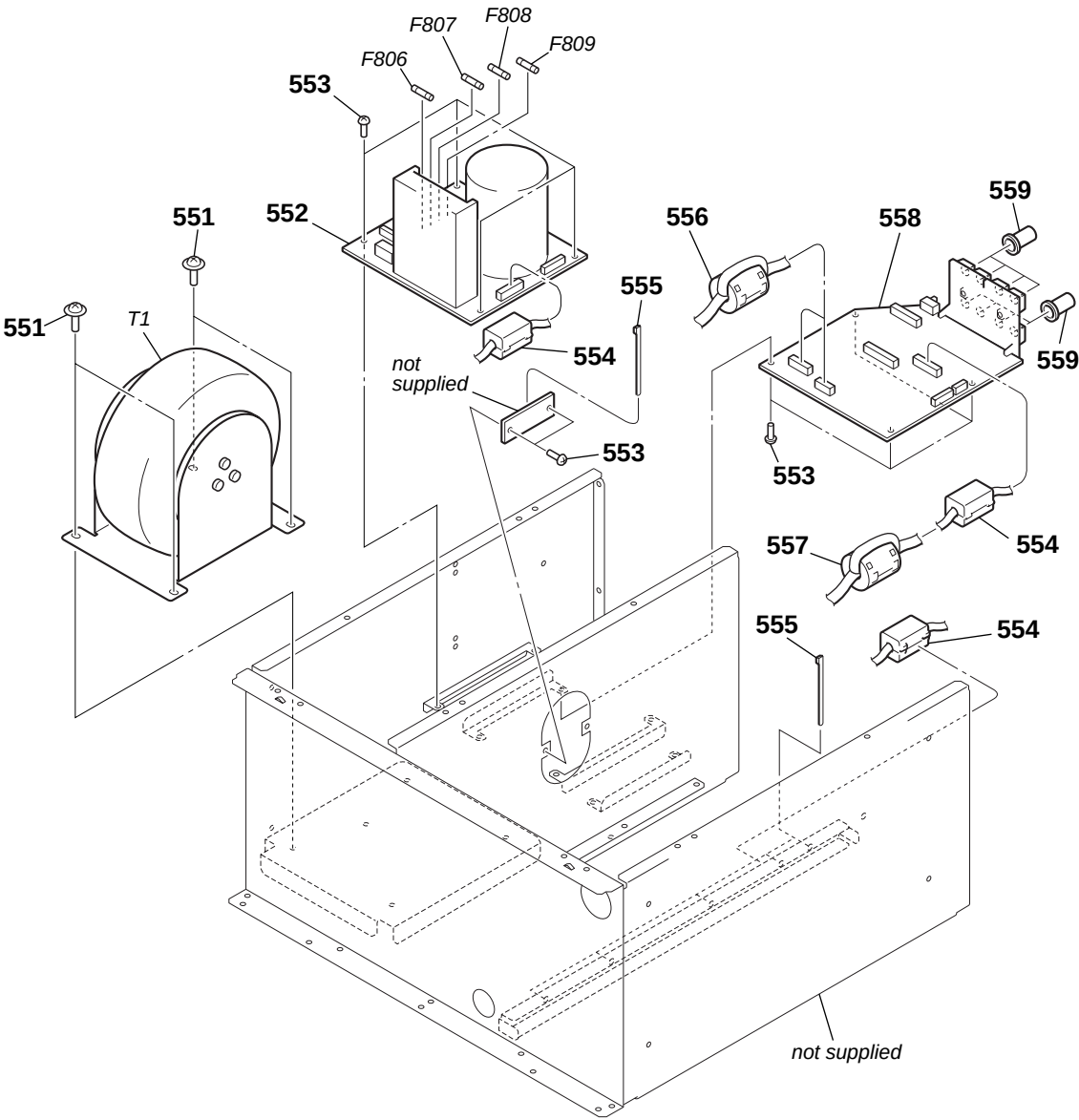
7-11. BACK PANEL SECTION



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
501	4-974-510-11	SCREW (+BV 3X8 CU)		506	3-704-515-21	SCREW (BV/RING)	
502	A-4733-826-A	AC BOARD, COMPLETE (KR)		507	4-251-318-01	COVER, PROTECTION	
502	A-4733-851-A	AC BOARD, COMPLETE (AEP)		508	4-251-297-01	PLUG, TERMINAL	
502	A-4734-825-A	AC BOARD, COMPLETE (TW)		$\triangle$ F1	1-532-506-51	FUSE (T6.3A/250V) (AEP, KR)	
503	A-4733-833-A	RSP BOARD, COMPLETE		$\triangle$ F1	1-576-379-11	FUSE (15A/250V) (TW)	
504	1-543-653-11	CORE ASSY, BEAD (DIVISION TYPE)		$\triangle$ F2	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
505	A-4733-832-A	CSP BOARD, COMPLETE		#6	7-685-659-79	SCREW +BVTP 4X8 TYPE2 IT-3	

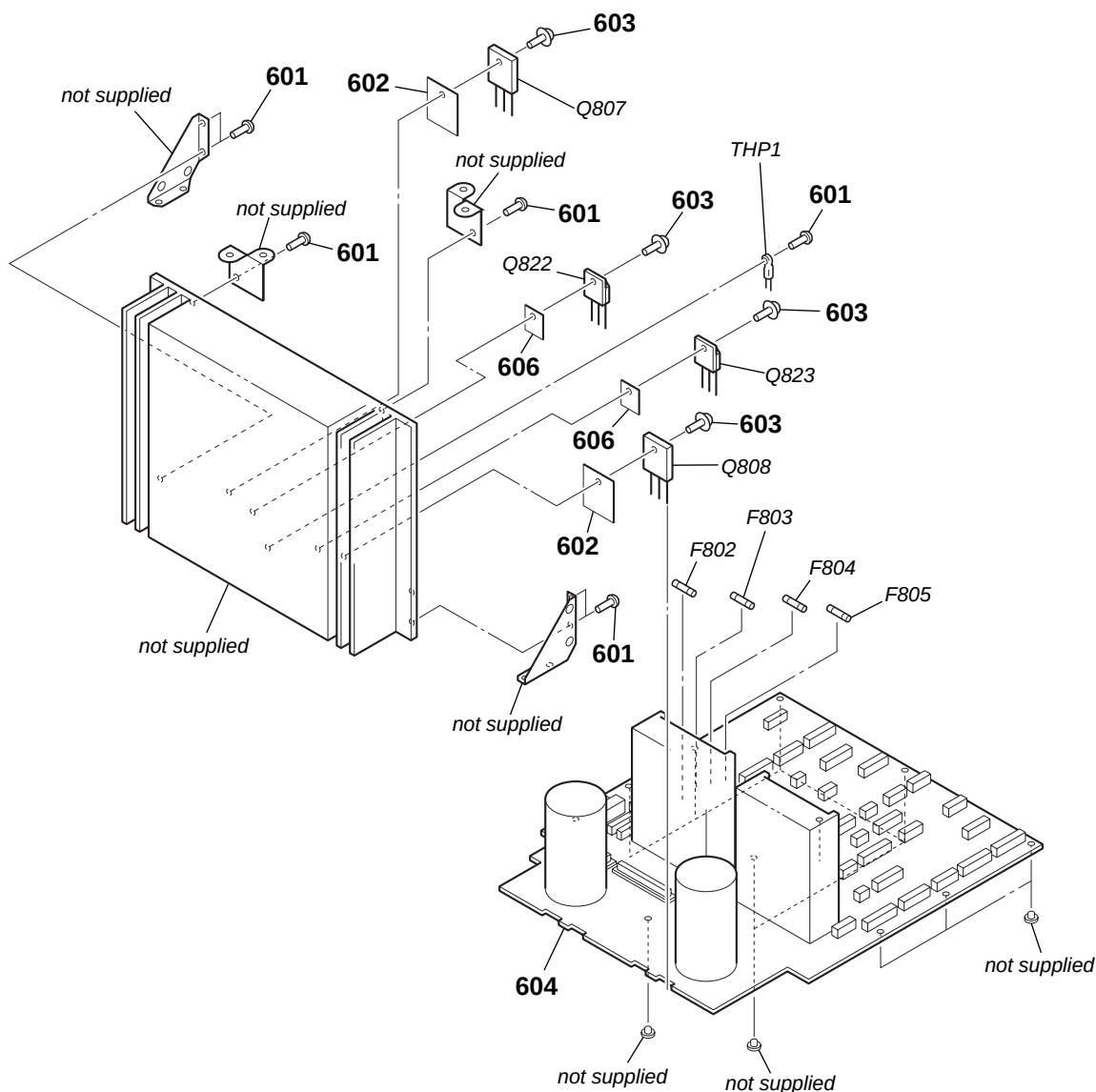
7-12. TRANSFORMER SECTION



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
551	4-394-596-01	SCREW (M5), TERMINAL		$\triangle$ F807	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
552	A-4733-828-A	DC BOARD, COMPLETE		$\triangle$ F807	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
553	4-974-510-11	SCREW (+BV 3X8 CU)		$\triangle$ F808	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
554	1-543-653-11	CORE ASSY, BEAD (DIVISION TYPE)		$\triangle$ F808	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
555	3-655-653-21	BAND (TAITON), BINDING		$\triangle$ F809	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
556	1-500-021-11	CLAMP, SLEEVE FERRITE		$\triangle$ F809	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
557	1-500-511-11	CORE, FERRITE		$\triangle$ T1	1-439-818-11	TRANSFORMER, POWER (AEP, KR)	
558	A-4733-831-A	FSP BOARD, COMPLETE		$\triangle$ T1	1-439-876-11	TRANSFORMER, POWER (TW)	
559	4-251-297-01	PLUG, TERMINAL					
$\triangle$ F806	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)					
$\triangle$ F806	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)					

7-13. MOTHER BOARD SECTION



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
601	4-974-510-11	SCREW (+BV 3X8 CU)		Δ F804	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
602	4-248-714-11	SHEET (DNK), RADIATION		Δ F804	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
603	3-905-609-11	SCREW (TRANSISTOR)		Δ F805	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
604	A-4733-848-A	MOTHER BOARD, COMPLETE (TW, KR)		Δ F805	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
604	A-4733-869-A	MOTHER BOARD, COMPLETE(AEP)					
606	4-248-714-01	SHEET (DNK), RADIATION		Q807	6-550-629-01	FET 2SK1382	
Δ F802	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)		Q808	6-550-629-01	FET 2SK1382	
Δ F802	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)		Q822	8-749-010-25	IC MN2488-OPY-M	
Δ F803	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)		Q823	8-749-010-25	IC MN2488-OPY-M	
Δ F803	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)		THP1	1-817-728-11	SENSOR, THERMISTOR	

SECTION 8

ELECTRICAL PARTS LIST

AC

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
- Abbreviation
KR : Korean model
TW : Taiwan model

- 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-4733-826-A	AC BOARD, COMPLETE (KR)				< EARTH TERMINAL >	
	A-4733-851-A	AC BOARD, COMPLETE (AEP)					
	A-4734-825-A	AC BOARD, COMPLETE (TW)		EP12	1-537-770-21	TERMINAL BOARD, GROUND	
	*****			EP13	1-537-770-21	TERMINAL BOARD, GROUND	
				EP14	1-537-770-21	TERMINAL BOARD, GROUND	
	1-533-189-11	FUSE HOLDER				< IC >	
*	3-309-144-21	HEAT SINK (TW)					
*	4-941-237-01	HEAT SINK (EXCEPT TW)		IC12	8-759-450-47	IC BA05T	
	4-974-510-11	SCREW (+BV 3X8 CU)				< COIL >	
		< CAPACITOR >					
Δ C1	1-113-925-11	CERAMIC	0.01uF 20% 250V	Δ LF02	1-456-572-11	INDUCTOR	3.3mH (TW)
C11	1-137-438-11	MYLAR	0.0082uF 5% 50V	Δ LF02	1-456-573-11	INDUCTOR	8.2mH (EXCEPT TW)
C12	1-136-357-11	FILM	680PF 5% 100V	Δ LF1	1-456-574-11	INDUCTOR	1.2mH
C13	1-135-686-51	ELECT	2200uF 25V			< TRANSISTOR >	
C14	1-135-697-11	ELECT	6800uF 16V				
				Q11	8-729-200-72	TRANSISTOR	2SC2712L-TE85L
C15	1-137-150-11	FILM	0.01uF 5% 100V	Q12	8-729-200-72	TRANSISTOR	2SC2712L-TE85L
C16	1-119-820-11	ELECT	1uF 20% 50V	Q13	8-729-200-72	TRANSISTOR	2SC2712L-TE85L
C18	1-128-835-51	ELECT	1000uF 20% 10V	Q14	8-729-027-43	TRANSISTOR	DTC114EKA-T146
Δ C19	1-113-511-11	FILM	0.47uF 20% 275V	Q15	8-729-027-43	TRANSISTOR	DTC114EKA-T146
Δ C20	1-113-920-11	CERAMIC	0.0022uF 20% 250V				
				Q16	8-729-140-93	TRANSISTOR	2SB733-34
Δ C21	1-113-920-11	CERAMIC	0.0022uF 20% 250V			< RESISTOR >	
Δ C22	1-115-165-11	FILM	0.1uF 20% 275V				
Δ C23	1-113-920-11	CERAMIC	0.0022uF 20% 250V	Δ R1	1-217-782-11	FUSIBLE	3.3 5% 5W F (TW)
Δ C24	1-113-920-11	CERAMIC	0.0022uF 20% 250V	Δ R1	1-217-783-11	FUSIBLE	4.7 5% 5W F (EXCEPT TW)
C25	1-165-319-11	CERAMIC CHIP	0.1uF 50V	Δ R2	1-217-782-11	FUSIBLE	3.3 5% 5W F (TW)
				Δ R2	1-217-783-11	FUSIBLE	4.7 5% 5W F (EXCEPT TW)
C26	1-165-319-11	CERAMIC CHIP	0.1uF 50V	Δ R3	1-217-782-11	FUSIBLE	3.3 5% 5W F (TW)
		< CONNECTOR >		Δ R3	1-217-783-11	FUSIBLE	4.7 5% 5W F (EXCEPT TW)
CN1	1-816-148-11	INLET, AC (AC IN)		R11	1-208-445-41	RES-CHIP	2.2K 2% 1/10W
CN2	1-785-285-11	OUTLET, AC (1P)		R12	1-208-462-41	RES-CHIP	10K 2% 1/10W
		(AC OUTLET 1 SWITCHED, 100W MAX) (AEP)		R13	1-208-449-41	RES-CHIP	3.3K 2% 1/10W
CN14	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P		R14	1-216-687-11	METAL CHIP	33K 0.5% 1/10W
CN15	1-564-510-11	PLUG (MICRO CONNECTOR) 6P					
		< DIODE >		R15	1-249-389-11	CARBON	4.7 5% 1/4W
D11	8-719-210-39	DIODE EC10QS-04		R16	1-208-518-41	RES-CHIP	22K 2% 1/10W
D12	8-719-210-39	DIODE EC10QS-04		R17	1-208-462-41	RES-CHIP	10K 2% 1/10W
D13	8-719-016-74	DIODE 1SS352		R18	1-208-526-41	RES-CHIP	47K 2% 1/10W
D14	8-719-016-74	DIODE 1SS352		R19	1-208-462-41	RES-CHIP	10K 2% 1/10W
D15	8-719-210-39	DIODE EC10QS-04					
D16	8-719-210-39	DIODE EC10QS-04					
D17	8-719-016-74	DIODE 1SS352					
D18	8-719-053-18	DIODE 1SR154-400TE-25					
D19	8-719-016-74	DIODE 1SS352					

AC

AMP

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R20	1-208-462-41	RES-CHIP 10K 2%	1/10W	C1538	1-100-621-11	ELECT 470uF 20%	10V
R21	1-208-462-41	RES-CHIP 10K 2%	1/10W	C1539	1-164-156-11	CERAMIC CHIP 0.1uF	25V
R22	1-208-445-41	RES-CHIP 2.2K 2%	1/10W	C1540	1-100-623-91	CERAMIC CHIP 0.1uF 10%	100V
R23	1-208-462-41	RES-CHIP 10K 2%	1/10W	C1541	1-100-621-11	ELECT 470uF 20%	10V
R24	1-249-389-11	CARBON 4.7 5%	1/4W	C1542	1-100-623-91	CERAMIC CHIP 0.1uF 10%	100V
△ R27	1-219-237-91	SOLID 3.3M 20%	1/2W	C1543	1-100-623-91	CERAMIC CHIP 0.1uF 10%	100V
		< RELAY >		C1545	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
△ RY1	1-755-439-11	RELAY		C1546	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
△ RY2	1-755-266-11	RELAY, AC POWER		C1547	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
		< TRANSFORMER >		C1548	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
△ T2	1-435-163-21	TRANSFORMER, POWER (EXCEPT TW)		C1549	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
△ T2	1-437-477-12	TRANSFORMER, POWER (TW)		C1550	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
*****				C1551	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
A-4733-838-A	AMP BOARD, COMPLETE			C1552	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
	*****			C1553	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
4-974-510-11	SCREW (+BV 3X8 CU)			C1554	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
	< CAPACITOR >			C1555	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
C1501	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1556	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
C1502	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1559	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1504	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1560	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1505	1-100-629-11	ELECT 270uF 20%	10V	C1561	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1506	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1562	1-100-621-11	ELECT 470uF 20%	10V
C1507	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1563	1-100-621-11	ELECT 470uF 20%	10V
C1508	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1564	1-100-621-11	ELECT 470uF 20%	10V
C1509	1-100-629-11	ELECT 270uF 20%	10V	C1566	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1510	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1567	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1511	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1568	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1512	1-162-915-11	CERAMIC CHIP 10PF 0.5PF	50V	C1572	1-100-629-11	ELECT 270uF 20%	10V
C1513	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1573	1-100-629-11	ELECT 270uF 20%	10V
C1514	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1574	1-100-629-11	ELECT 270uF 20%	10V
C1515	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1575	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1516	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1576	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1517	1-100-621-11	ELECT 470uF 20%	10V	C1577	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1518	1-100-621-11	ELECT 470uF 20%	10V	C1578	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1519	1-164-315-11	CERAMIC CHIP 470PF 5%	50V	C1579	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1520	1-164-315-11	CERAMIC CHIP 470PF 5%	50V	C1580	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1521	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1581	1-100-623-91	CERAMIC CHIP 0.1uF 10%	100V
C1522	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1582	1-100-623-91	CERAMIC CHIP 0.1uF 10%	100V
C1523	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1583	1-100-623-91	CERAMIC CHIP 0.1uF 10%	100V
C1524	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1584	1-100-623-91	CERAMIC CHIP 0.1uF 10%	100V
C1525	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1585	1-100-623-91	CERAMIC CHIP 0.1uF 10%	100V
C1526	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1586	1-100-623-91	CERAMIC CHIP 0.1uF 10%	100V
C1527	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1587	1-135-730-91	ELECT 100uF	100V
C1528	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1588	1-135-730-91	ELECT 100uF	100V
C1529	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1589	1-135-730-91	ELECT 100uF	100V
C1530	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1596	1-162-915-11	CERAMIC CHIP 10PF 0.5PF	50V
C1531	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1597	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C1532	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1598	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C1533	1-100-621-11	ELECT 470uF 20%	10V	C1599	1-100-621-11	ELECT 470uF 20%	10V
C1534	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1600	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C1535	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1601	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C1536	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1602	1-100-621-11	ELECT 470uF 20%	10V
C1537	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1603	1-164-315-11	CERAMIC CHIP 470PF 5%	50V
				C1604	1-162-974-11	CERAMIC CHIP 0.01uF	50V
				C1605	1-162-974-11	CERAMIC CHIP 0.01uF	50V
				C1606	1-162-974-11	CERAMIC CHIP 0.01uF	50V
				C1607	1-162-974-11	CERAMIC CHIP 0.01uF	50V
				C1608	1-162-974-11	CERAMIC CHIP 0.01uF	50V

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

AMP

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C1609	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1666	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
						C1667	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1610	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1668	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1611	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1669	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1612	1-100-621-11	ELECT	470uF	20%	10V						
C1613	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1670	1-135-730-91	ELECT	100uF		100V
C1614	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1671	1-135-730-91	ELECT	100uF		100V
						C1672	1-135-730-91	ELECT	100uF		100V
C1615	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1673	1-135-730-91	ELECT	100uF		100V
C1616	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1683	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1617	1-162-974-11	CERAMIC CHIP	0.01uF		50V						
C1618	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1684	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1619	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1685	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C1686	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1620	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1687	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1621	1-100-621-11	ELECT	470uF	20%	10V	C1688	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1622	1-162-923-11	CERAMIC CHIP	47PF	5%	50V						
C1623	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1689	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1624	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1690	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C1695	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1625	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1696	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1626	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1697	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1627	1-162-923-11	CERAMIC CHIP	47PF	5%	50V						
C1628	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1698	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1629	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1699	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C1700	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1630	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1701	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1631	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1702	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1632	1-162-923-11	CERAMIC CHIP	47PF	5%	50V						
C1633	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1703	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C1634	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1704	1-100-187-11	MYLAR	0.27uF	5%	250V
						C1705	1-100-187-11	MYLAR	0.27uF	5%	250V
C1635	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1706	1-100-187-11	MYLAR	0.27uF	5%	250V
C1636	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1707	1-100-187-11	MYLAR	0.27uF	5%	250V
C1637	1-162-923-11	CERAMIC CHIP	47PF	5%	50V						
C1638	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1708	1-100-187-11	MYLAR	0.27uF	5%	250V
C1639	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1709	1-100-187-11	MYLAR	0.27uF	5%	250V
						C1710	1-100-187-11	MYLAR	0.27uF	5%	250V
C1640	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1711	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1641	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1712	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1642	1-100-621-11	ELECT	470uF	20%	10V						
C1643	1-100-621-11	ELECT	470uF	20%	10V	C1713	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1644	1-100-621-11	ELECT	470uF	20%	10V	C1770	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1645	1-100-621-11	ELECT	470uF	20%	10V			< CONNECTOR >			
C1646	1-164-156-11	CERAMIC CHIP	0.1uF		25V	* CN1501	1-770-734-11	CONNECTOR, BOARD TO BOARD 20P			
C1647	1-164-156-11	CERAMIC CHIP	0.1uF		25V	CN1502	1-784-923-11	PIN, CONNECTOR 7P			
C1648	1-164-156-11	CERAMIC CHIP	0.1uF		25V	CN1503	1-794-003-11	CONNECTOR 15P			
C1649	1-164-156-11	CERAMIC CHIP	0.1uF		25V	CN1507	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P			
						CN1508	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P			
C1650	1-100-629-11	ELECT	270uF	20%	10V			< DIODE >			
C1651	1-100-629-11	ELECT	270uF	20%	10V						
C1652	1-100-629-11	ELECT	270uF	20%	10V						
C1653	1-100-629-11	ELECT	270uF	20%	10V						
C1654	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D1504	8-719-016-74	DIODE	1SS352		
						D1505	8-719-210-39	DIODE	EC10QS-04		
C1655	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D1506	8-719-210-39	DIODE	EC10QS-04		
C1656	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D1507	8-719-210-39	DIODE	EC10QS-04		
C1657	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D1508	8-719-210-39	DIODE	EC10QS-04		
C1658	1-164-156-11	CERAMIC CHIP	0.1uF		25V						
C1659	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D1509	8-719-210-39	DIODE	EC10QS-04		
						D1510	8-719-210-39	DIODE	EC10QS-04		
C1660	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D1511	8-719-210-39	DIODE	EC10QS-04		
C1661	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D1512	8-719-210-39	DIODE	EC10QS-04		
C1662	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V	D1513	8-719-210-39	DIODE	EC10QS-04		
C1663	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V						
C1664	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V	D1514	8-719-210-39	DIODE	EC10QS-04		
						D1515	8-719-210-39	DIODE	EC10QS-04		
C1665	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V	D1516	8-719-210-39	DIODE	EC10QS-04		

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D1517	8-719-210-39	DIODE EC10QS-04		< RESISTOR >			
D1518	8-719-210-39	DIODE EC10QS-04		R1503	1-216-627-11	METAL CHIP 100	0.5% 1/10W
< EARTH TERMINAL >				R1504	1-216-627-11	METAL CHIP 100	0.5% 1/10W
EP1501	1-537-770-21	TERMINAL BOARD, GROUND		R1505	1-216-627-11	METAL CHIP 100	0.5% 1/10W
EP1502	1-537-770-21	TERMINAL BOARD, GROUND		R1506	1-216-627-11	METAL CHIP 100	0.5% 1/10W
EP1503	1-537-770-21	TERMINAL BOARD, GROUND		R1507	1-216-627-11	METAL CHIP 100	0.5% 1/10W
EP1504	1-537-770-21	TERMINAL BOARD, GROUND		R1508	1-216-627-11	METAL CHIP 100	0.5% 1/10W
EP1505	1-537-770-21	TERMINAL BOARD, GROUND		R1509	1-216-627-11	METAL CHIP 100	0.5% 1/10W
< FERRITE BEAD >				R1510	1-216-627-11	METAL CHIP 100	0.5% 1/10W
FB1501	1-469-152-11	FERRITE, EMI (SMD) (2012)		R1511	1-208-462-41	RES-CHIP 10K	2% 1/10W
FB1502	1-469-152-11	FERRITE, EMI (SMD) (2012)		R1512	1-208-462-41	RES-CHIP 10K	2% 1/10W
FB1503	1-469-152-11	FERRITE, EMI (SMD) (2012)		R1513	1-208-462-41	RES-CHIP 10K	2% 1/10W
FB1504	1-469-152-11	FERRITE, EMI (SMD) (2012)		R1514	1-216-627-11	METAL CHIP 100	0.5% 1/10W
FB1505	1-469-152-11	FERRITE, EMI (SMD) (2012)		R1515	1-216-627-11	METAL CHIP 100	0.5% 1/10W
FB1506	1-414-813-11	FERRITE, EMI (SMD) (2012)		R1516	1-208-462-41	RES-CHIP 10K	2% 1/10W
< IC >				R1517	1-208-462-41	RES-CHIP 10K	2% 1/10W
IC1504	6-702-673-01	IC CXD9730Q		R1518	1-208-462-41	RES-CHIP 10K	2% 1/10W
IC1505	6-702-673-01	IC CXD9730Q		R1519	1-208-462-41	RES-CHIP 10K	2% 1/10W
IC1506	8-759-523-08	IC TC74AC08FT (EL)		R1520	1-208-462-41	RES-CHIP 10K	2% 1/10W
IC1507	8-759-523-08	IC TC74AC08FT (EL)		R1521	1-208-462-41	RES-CHIP 10K	2% 1/10W
IC1508	8-759-523-08	IC TC74AC08FT (EL)		R1522	1-208-462-41	RES-CHIP 10K	2% 1/10W
IC1509	8-759-523-08	IC TC74AC08FT (EL)		R1528	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1510	8-759-523-08	IC TC74AC08FT (EL)		R1531	1-208-462-41	RES-CHIP 10K	2% 1/10W
IC1511	8-759-523-08	IC TC74AC08FT (EL)		R1532	1-208-462-41	RES-CHIP 10K	2% 1/10W
IC1513	1-805-248-11	MODULE (HYBRID IC)		R1533	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1514	1-805-248-11	MODULE (HYBRID IC)		R1534	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1515	1-805-248-11	MODULE (HYBRID IC)		R1535	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1516	6-702-673-01	IC CXD9730Q		R1537	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1517	6-702-673-01	IC CXD9730Q		R1539	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1518	8-759-523-08	IC TC74AC08FT (EL)		R1540	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1519	8-759-523-08	IC TC74AC08FT (EL)		R1541	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1520	8-759-523-08	IC TC74AC08FT (EL)		R1542	1-216-295-00	SHORT CHIP 0	
IC1521	8-759-523-08	IC TC74AC08FT (EL)		R1543	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1522	8-759-523-08	IC TC74AC08FT (EL)		R1544	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1523	8-759-523-08	IC TC74AC08FT (EL)		R1545	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1524	8-759-523-08	IC TC74AC08FT (EL)		R1546	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1525	8-759-523-08	IC TC74AC08FT (EL)		R1547	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1526	1-805-248-11	MODULE (HYBRID IC)		R1549	1-208-462-41	RES-CHIP 10K	2% 1/10W
IC1527	1-805-248-11	MODULE (HYBRID IC)		R1550	1-208-462-41	RES-CHIP 10K	2% 1/10W
IC1528	1-805-248-11	MODULE (HYBRID IC)		R1551	1-208-462-41	RES-CHIP 10K	2% 1/10W
IC1529	1-805-248-11	MODULE (HYBRID IC)		R1552	1-208-437-41	RES-CHIP 1K	2% 1/10W
IC1530	8-759-058-62	IC TC7S08FU (TE85R)		R1553	1-208-437-41	RES-CHIP 1K	2% 1/10W
IC1531	8-759-196-96	IC TC7SH08FU-TE85R		R1554	1-216-627-11	METAL CHIP 100	0.5% 1/10W
IC1800	6-802-974-01	IC MB89537APFM-G-461-BNDE1		R1555	1-216-627-11	METAL CHIP 100	0.5% 1/10W
< TRANSISTOR >				R1556	1-216-627-11	METAL CHIP 100	0.5% 1/10W
Q1503	8-729-216-31	TRANSISTOR 2SA1163-G		R1557	1-216-627-11	METAL CHIP 100	0.5% 1/10W
Q1504	8-729-216-31	TRANSISTOR 2SA1163-G		R1558	1-216-627-11	METAL CHIP 100	0.5% 1/10W
Q1505	8-729-216-31	TRANSISTOR 2SA1163-G		R1569	1-216-295-00	SHORT CHIP 0	
Q1506	8-729-216-31	TRANSISTOR 2SA1163-G		R1572	1-208-462-41	RES-CHIP 10K	2% 1/10W
Q1507	8-729-216-31	TRANSISTOR 2SA1163-G		R1574	1-211-960-11	METAL CHIP 22	0.5% 1/10W
Q1508	8-729-216-31	TRANSISTOR 2SA1163-G		R1581	1-208-425-41	RES-CHIP 330	2% 1/10W
Q1509	8-729-216-31	TRANSISTOR 2SA1163-G		R1582	1-208-425-41	RES-CHIP 330	2% 1/10W
Q1513	8-729-271-31	TRANSISTOR 2SC2713-G		R1583	1-208-425-41	RES-CHIP 330	2% 1/10W
				R1584	1-208-425-41	RES-CHIP 330	2% 1/10W
				R1585	1-208-425-41	RES-CHIP 330	2% 1/10W

AMP

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R1586	1-208-425-41	RES-CHIP	330	2%	1/10W	R1653	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1587	1-208-425-41	RES-CHIP	330	2%	1/10W	R1654	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1588	1-208-425-41	RES-CHIP	330	2%	1/10W	R1655	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1589	1-208-425-41	RES-CHIP	330	2%	1/10W	R1656	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1590	1-208-425-41	RES-CHIP	330	2%	1/10W	R1657	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1591	1-208-425-41	RES-CHIP	330	2%	1/10W	R1658	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1592	1-208-425-41	RES-CHIP	330	2%	1/10W	R1659	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1601	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1660	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1602	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1661	1-219-365-11	SHORT CHIP	0		
R1603	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1662	1-219-365-11	SHORT CHIP	0		
R1604	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1663	1-219-365-11	SHORT CHIP	0		
R1605	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1664	1-219-365-11	SHORT CHIP	0		
R1606	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1665	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1607	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1666	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1608	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1667	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1609	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1668	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1610	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1669	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1611	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1670	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1612	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1671	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1613	1-208-437-41	RES-CHIP	1K	2%	1/10W	R1672	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1614	1-208-437-41	RES-CHIP	1K	2%	1/10W	R1674	1-216-295-00	SHORT CHIP	0		
R1615	1-208-437-41	RES-CHIP	1K	2%	1/10W	R1676	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1616	1-219-365-11	SHORT CHIP	0			R1680	1-216-295-00	SHORT CHIP	0		
R1618	1-219-365-11	SHORT CHIP	0			R1684	1-219-796-11	RES-CHIP	0.025	1%	1W
R1619	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R1686	1-216-295-00	SHORT CHIP	0		
R1620	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R1688	1-216-295-00	SHORT CHIP	0		
R1621	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R1690	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1622	1-208-462-41	RES-CHIP	10K	2%	1/10W	R1692	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1623	1-208-462-41	RES-CHIP	10K	2%	1/10W	R1693	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1624	1-208-462-41	RES-CHIP	10K	2%	1/10W	R1694	1-219-365-11	SHORT CHIP	0		
R1625	1-208-425-41	RES-CHIP	330	2%	1/10W	R1695	1-219-796-11	RES-CHIP	0.025	1%	1W
R1626	1-208-425-41	RES-CHIP	330	2%	1/10W	R1696	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1627	1-208-425-41	RES-CHIP	330	2%	1/10W	R1697	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1628	1-208-425-41	RES-CHIP	330	2%	1/10W	R1699	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1629	1-208-425-41	RES-CHIP	330	2%	1/10W	R1700	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1630	1-208-425-41	RES-CHIP	330	2%	1/10W	R1703	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1631	1-208-425-41	RES-CHIP	330	2%	1/10W	R1705	1-219-796-11	RES-CHIP	0.025	1%	1W
R1632	1-208-425-41	RES-CHIP	330	2%	1/10W	R1707	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1633	1-208-425-41	RES-CHIP	330	2%	1/10W	R1708	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1634	1-208-425-41	RES-CHIP	330	2%	1/10W	R1709	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1635	1-208-425-41	RES-CHIP	330	2%	1/10W	R1710	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1636	1-208-425-41	RES-CHIP	330	2%	1/10W	R1712	1-219-796-11	RES-CHIP	0.025	1%	1W
R1637	1-208-425-41	RES-CHIP	330	2%	1/10W	R1714	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1638	1-208-425-41	RES-CHIP	330	2%	1/10W	R1715	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1639	1-208-425-41	RES-CHIP	330	2%	1/10W	R1716	1-219-796-11	RES-CHIP	0.025	1%	1W
R1640	1-208-425-41	RES-CHIP	330	2%	1/10W	R1717	1-219-796-11	RES-CHIP	0.025	1%	1W
R1641	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1718	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1642	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1720	1-219-796-11	RES-CHIP	0.025	1%	1W
R1643	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1721	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1644	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1722	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1645	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1724	1-216-295-00	SHORT CHIP	0		
R1646	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1725	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1647	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1726	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1648	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1727	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1649	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1729	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R1650	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1730	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R1651	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1731	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R1652	1-216-619-11	METAL CHIP	47	0.5%	1/10W						

AMP

COMPONENT

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
< VIBRATOR >							C1354	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V	
X1501	1-579-952-21	VIBRATOR, CERAMIC (8MHz)					C1355	1-119-834-11	ELECT	22uF	20%	63V	
X1502	1-781-179-21	OSCILLATOR, CRYSTAL (49.125MHz)					C1356	1-119-834-11	ELECT	22uF	20%	63V	
*****							C1357	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	
	A-4733-795-A	COMPONENT BOARD, COMPLETE (TW, KR)					C1358	1-119-850-11	ELECT	10uF	20%	100V	
	A-4733-853-A	COMPONENT BOARD, COMPLETE (AEP)					C1359	1-119-835-31	ELECT	33uF	20%	63V	
*****							C1360	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	
< CAPACITOR >							C1361	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C1280	1-119-801-21	ELECT	220uF	20%	25V	C1362	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V		
C1281	1-119-801-21	ELECT	220uF	20%	25V	C1364	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V		
C1304	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1365	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V		
C1305	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	C1367	1-119-850-11	ELECT	10uF	20%	100V		
C1306	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1368	1-119-835-31	ELECT	33uF	20%	63V		
C1307	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1369	1-119-834-11	ELECT	22uF	20%	63V		
C1310	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C1370	1-119-834-11	ELECT	22uF	20%	63V		
C1311	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	C1371	1-119-834-11	ELECT	22uF	20%	63V		
C1313	1-119-850-11	ELECT	10uF	20%	100V	C1372	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V		
C1314	1-119-835-31	ELECT	33uF	20%	63V	C1373	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V		
C1315	1-119-834-11	ELECT	22uF	20%	63V	C1374	1-119-834-11	ELECT	22uF	20%	63V		
C1316	1-119-834-11	ELECT	22uF	20%	63V	C1375	1-119-834-11	ELECT	22uF	20%	63V		
C1317	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C1376	1-119-850-11	ELECT	10uF	20%	100V		
C1318	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1377	1-119-835-31	ELECT	33uF	20%	63V		
C1319	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C1378	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V		
C1320	1-119-834-11	ELECT	22uF	20%	63V	C1379	1-119-834-11	ELECT	22uF	20%	63V		
C1321	1-119-834-11	ELECT	22uF	20%	63V	C1380	1-163-251-11	CERAMIC CHIP	100PF	5%	50V		
C1322	1-119-850-11	ELECT	10uF	20%	100V	C1381	1-163-038-00	CERAMIC CHIP	0.1uF		25V		
C1323	1-119-835-31	ELECT	33uF	20%	63V	C1382	1-163-038-00	CERAMIC CHIP	0.1uF		25V		
C1324	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	C1383	1-127-726-91	ELECT	470uF	20%	25V		
C1325	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	C1384	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
C1326	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1385	1-119-820-11	ELECT	1uF	20%	50V		
C1327	1-119-850-11	ELECT	10uF	20%	100V	C1386	1-119-820-11	ELECT	1uF	20%	50V		
C1328	1-119-835-31	ELECT	33uF	20%	63V	C1387	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V		
C1329	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1388	1-163-038-00	CERAMIC CHIP	0.1uF		25V (AEP)		
C1330	1-119-834-11	ELECT	22uF	20%	63V	C1389	1-119-823-11	ELECT	4.7uF	20%	50V		
C1331	1-119-834-11	ELECT	22uF	20%	63V	C1390	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP)		
C1332	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1391	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V		
C1333	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	C1392	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP)		
C1334	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C1393	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
C1335	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1394	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP)		
C1336	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1395	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP)		
C1337	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1396	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V		
C1338	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1397	1-163-038-00	CERAMIC CHIP	0.1uF		25V		
C1339	1-119-834-11	ELECT	22uF	20%	63V	C1398	1-163-231-11	CERAMIC CHIP	15PF	5%	50V		
C1340	1-119-834-11	ELECT	22uF	20%	63V	C1399	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V		
C1341	1-119-850-11	ELECT	10uF	20%	100V	C1400	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V		
C1342	1-119-835-31	ELECT	33uF	20%	63V	C1401	1-163-231-11	CERAMIC CHIP	15PF	5%	50V (AEP)		
C1343	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	C1402	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V		
C1344	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1403	1-163-038-00	CERAMIC CHIP	0.1uF		25V		
C1345	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	C1404	1-128-858-11	ELECT	22uF	20%	50V (AEP)		
C1346	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1405	1-163-038-00	CERAMIC CHIP	0.1uF		25V (AEP)		
C1347	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	C1406	1-128-854-11	ELECT	0.47uF	20%	50V		
C1348	1-119-850-11	ELECT	10uF	20%	100V								
C1349	1-119-835-31	ELECT	33uF	20%	63V								
C1350	1-119-834-11	ELECT	22uF	20%	63V								
C1351	1-119-834-11	ELECT	22uF	20%	63V								
C1353	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V								

COMPONENT

Ref. No.	Part No.	Description			Remark
C1407	1-119-820-11	ELECT	1uF	20%	50V
C1408	1-119-824-11	ELECT	10uF	20%	50V
C1409	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1410	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1411	1-119-824-11	ELECT	10uF	20%	50V
C1412	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C1413	1-119-824-11	ELECT	10uF	20%	50V
C1414	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1415	1-128-858-11	ELECT	22uF	20%	50V
C1416	1-127-718-91	ELECT	100uF	20%	16V
C1417	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1418	1-119-823-11	ELECT	4.7uF	20%	50V
C1419	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1420	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1421	1-128-854-11	ELECT	0.47uF	20%	50V
C1422	1-119-820-11	ELECT	1uF	20%	50V
C1423	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
C1424	1-119-824-11	ELECT	10uF	20%	50V
C1425	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1426	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1427	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1428	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1429	1-128-854-11	ELECT	0.47uF	20%	50V
C1430	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1431	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1432	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1433	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1434	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1435	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1436	1-137-658-91	ELECT	1000uF	20%	6.3V
C1437	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1438	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1439	1-119-823-11	ELECT	4.7uF	20%	50V
C1440	1-127-718-91	ELECT	100uF	20%	16V
C1441	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C1442	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C1443	1-127-718-91	ELECT	100uF	20%	16V
C1444	1-128-858-11	ELECT	22uF	20%	50V
C1445	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1446	1-119-822-11	ELECT	3.3uF	20%	50V
C1447	1-136-153-00	MYLAR	0.01uF	5%	50V
C1448	1-119-827-11	ELECT	47uF	20%	50V
C1449	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1450	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1451	1-119-824-11	ELECT	10uF	20%	50V
C1452	1-136-165-00	MYLAR	0.1uF	5%	50V
C1453	1-137-658-91	ELECT	1000uF	20%	6.3V
C1454	1-128-858-11	ELECT	22uF	20%	50V
C1455	1-119-823-11	ELECT	4.7uF	20%	50V
C1456	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1457	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1458	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1459	1-127-718-91	ELECT	100uF	20%	16V
C1460	1-119-822-11	ELECT	3.3uF	20%	50V
C1461	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1462	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1463	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V

Ref. No.	Part No.	Description			Remark
C1464	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1465	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1466	1-128-840-11	ELECT	47uF	20%	16V
C1467	1-119-824-11	ELECT	10uF	20%	50V
C1468	1-119-824-11	ELECT	10uF	20%	50V
C1469	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1470	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1471	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1472	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1473	1-165-319-11	CERAMIC CHIP	0.1uF		50V (AEP)
C1474	1-128-840-11	ELECT	47uF	20%	16V (AEP)
C1475	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1476	1-165-319-11	CERAMIC CHIP	0.1uF		50V (AEP)
C1477	1-163-235-11	CERAMIC CHIP	22PF	5%	50V (AEP)
C1478	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1479	1-163-091-00	CERAMIC CHIP	8PF	0.25PF	50V (AEP)
C1481	1-163-235-11	CERAMIC CHIP	22PF	5%	50V (AEP)
C1482	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1483	1-128-834-11	ELECT	470uF	20%	10V
C1484	1-163-235-11	CERAMIC CHIP	22PF	5%	50V (TW, KR)
C1485	1-163-091-00	CERAMIC CHIP	8PF	0.25PF	50V (TW, KR)
C1486	1-119-827-11	ELECT	47uF	20%	50V
C1487	1-119-827-11	ELECT	47uF	20%	50V
C1489	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1490	1-119-824-11	ELECT	10uF	20%	50V
C1491	1-119-799-11	ELECT	47uF	20%	25V
C1492	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1493	1-119-799-11	ELECT	47uF	20%	25V
C1494	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1495	1-119-824-11	ELECT	10uF	20%	50V
C1497	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1498	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1499	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1500	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
< CONNECTOR >					
CN1301	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN1302	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P			
CN1303	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN1306	1-784-922-11	PIN, CONNECTOR 5P			
CN1307	1-784-788-11	CONNECTOR, FFC 27P (TW, KR)			
CN1308	1-779-977-11	PIN, CONNECTOR 6P (TW, KR)			
CN1309	1-784-921-11	PIN, CONNECTOR 4P			
< TRIMMER >					
CT1301	1-141-337-11	CAP, TRIMMER (TW, KR)			
CT1302	1-141-337-11	CAP, TRIMMER (AEP)			
CT1303	1-141-337-11	CAP, TRIMMER (AEP)			
CT1304	1-141-337-11	CAP, TRIMMER			

COMPONENT

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< DIODE >				IC1332	8-759-233-44	IC TC74HC595AF	
D1301	8-719-016-74	DIODE 1SS352		IC1333	8-759-242-70	IC TC7WU04F (AEP)	
D1302	8-719-016-74	DIODE 1SS352		IC1334	8-759-445-59	IC BA033T	
D1303	8-719-016-74	DIODE 1SS352		< JACK >			
D1305	8-719-016-74	DIODE 1SS352		J1303	1-815-520-11	JACK, PIN 4P (PRE OUT SURR BACK, CENTER, SUB WOOFER)	
D1306	8-719-016-74	DIODE 1SS352		J1304	1-784-934-11	JACK, PIN 4P (PRE OUT FRONT, SURROUND)	
D1307	8-719-016-74	DIODE 1SS352		J1305	1-817-657-11	JACK, PIN 6P (COMPONENT VIDEO TV/SAT IN, MOTHER OUT)	
D1308	8-719-016-74	DIODE 1SS352		J1306	1-817-657-11	JACK, PIN 6P (COMPONENT VIDEO DVD/LD IN, VIDEO 1 IN)	
D1309	8-719-016-74	DIODE 1SS352		< CAPACITOR >			
D1310	8-719-016-74	DIODE 1SS352		JW1301	1-163-038-00	CERAMIC CHIP 0.1uF	25V
D1311	8-719-016-74	DIODE 1SS352		JW1303	1-163-038-00	CERAMIC CHIP 0.1uF	25V
D1312	8-719-016-74	DIODE 1SS352		< COIL >			
D1315	8-719-016-74	DIODE 1SS352		L1301	1-408-781-00	INDUCTOR 22uH	
D1316	8-719-016-74	DIODE 1SS352		< TRANSISTOR >			
D1317	8-719-016-74	DIODE 1SS352		Q1301	8-729-230-49	TRANSISTOR 2SC2712-YG	
D1318	8-719-016-74	DIODE 1SS352		Q1302	8-729-230-49	TRANSISTOR 2SC2712-YG	
< FERRITE BEAD >				Q1303	8-729-230-49	TRANSISTOR 2SC2712-YG	
FB1301	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q1304	8-729-230-49	TRANSISTOR 2SC2712-YG	
FB1303	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q1305	8-729-230-49	TRANSISTOR 2SC2712-YG	
FB1304	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q1306	8-729-027-43	TRANSISTOR DTC114EKA-T146	
FB1305	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q1307	8-729-140-97	TRANSISTOR 2SB734-34	
FB1306	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q1308	8-729-216-22	TRANSISTOR 2SA1162-G	
FB1307	1-469-152-11	FERRITE, EMI (SMD) (2012) (AEP)		Q1309	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FB1308	1-469-152-11	FERRITE, EMI (SMD) (2012) (AEP)		Q1310	8-729-230-49	TRANSISTOR 2SC2712-YG	
< FILTER >				Q1311	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FL1301	1-239-847-11	FILTER, LOW PASS		Q1312	8-729-216-22	TRANSISTOR 2SA1162-G	
FL1302	1-239-847-11	FILTER, LOW PASS		Q1313	8-729-216-22	TRANSISTOR 2SA1162-G	
< IC >				Q1314	8-729-216-22	TRANSISTOR 2SA1162-G	
IC1301	8-759-238-47	IC TC74HCT7007AF (EL)		Q1315	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC1302	6-702-387-01	IC CXD9725M		Q1316	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC1303	8-759-711-85	IC NJM4580E-D		Q1317	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC1304	8-759-238-47	IC TC74HCT7007AF (EL)		Q1318	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC1305	6-702-387-01	IC CXD9725M		Q1319	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC1306	8-759-711-85	IC NJM4580E-D		Q1320	8-729-027-43	TRANSISTOR DTC114EKA-T146	
IC1307	6-702-387-01	IC CXD9725M		Q1321	8-729-140-97	TRANSISTOR 2SB734-34	
IC1308	8-759-711-85	IC NJM4580E-D		Q1322	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC1313	6-702-387-01	IC CXD9725M		Q1326	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC1314	8-759-711-85	IC NJM4580E-D		< RESISTOR >			
IC1315	8-759-711-85	IC NJM4580E-D		R1285	1-208-449-41	RES-CHIP 3.3K 2% 1/10W	
IC1317	8-759-701-59	IC NJM78M09FA		R1286	1-208-449-41	RES-CHIP 3.3K 2% 1/10W	
IC1318	8-759-565-20	IC TDA4665T/V5-118 (AEP)		R1287	1-208-462-41	RES-CHIP 10K 2% 1/10W	
IC1319	8-759-663-94	IC LA7106M-TLM		R1288	1-208-462-41	RES-CHIP 10K 2% 1/10W	
IC1320	8-752-109-74	IC CXA2199Q		R1289	1-208-462-41	RES-CHIP 10K 2% 1/10W	
IC1321	8-759-177-02	IC NJM2267M (TE2)		R1290	1-208-462-41	RES-CHIP 10K 2% 1/10W	
IC1322	8-759-671-94	IC MC74HC4053AFEL		R1291	1-208-437-41	RES-CHIP 1K 2% 1/10W	
IC1323	8-752-386-17	IC CXD2064Q		R1292	1-208-462-41	RES-CHIP 10K 2% 1/10W	
IC1324	8-759-671-94	IC MC74HC4053AFEL		R1293	1-208-462-41	RES-CHIP 10K 2% 1/10W	
IC1325	8-759-822-05	IC LA7213		R1294	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
IC1326	8-759-293-21	IC NJM2268M		R1295	1-260-011-11	CARBON MELF 18K 2% 1/8W	
IC1327	8-759-671-94	IC MC74HC4053AFEL		R1296	1-259-999-11	CARBON MELF 2.2K 2% 1/8W	
IC1328	8-759-822-05	IC LA7213					
IC1329	6-700-367-01	IC MB90089PF-G-238-BND					
IC1330	8-759-233-44	IC TC74HC595AF					
IC1331	8-759-032-01	IC MC74HC00AF (AEP)					

COMPONENT

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1297	1-260-011-11	CARBON MELF	18K	2%	1/8W	R1356	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1298	1-259-999-11	CARBON MELF	2.2K	2%	1/8W	R1357	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1299	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1358	1-259-983-11	CARBON MELF	100	2%	1/8W
R1301	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1359	1-259-977-11	CARBON MELF	33	2%	1/8W
R1302	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1360	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1303	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1361	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1304	1-216-627-11	METAL CHIP	100	0.5%	1/10W	△ R1362	1-249-393-11	CARBON	10	5%	1/4W F
R1305	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1363	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1306	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1364	1-259-977-11	CARBON MELF	33	2%	1/8W
R1307	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1365	1-259-983-11	CARBON MELF	100	2%	1/8W
R1308	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1366	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1309	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1367	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1310	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1368	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1311	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1369	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1312	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1370	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1313	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1371	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1314	1-260-020-11	CARBON MELF	100K	2%	1/8W	R1372	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1315	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R1373	1-260-011-11	CARBON MELF	18K	2%	1/8W
R1316	1-260-020-11	CARBON MELF	100K	2%	1/8W	R1374	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1317	1-208-437-41	RES-CHIP	1K	2%	1/10W	R1375	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1318	1-259-983-11	CARBON MELF	100	2%	1/8W	R1376	1-259-987-11	CARBON MELF	220	2%	1/8W
R1319	1-259-977-11	CARBON MELF	33	2%	1/8W	R1377	1-259-983-11	CARBON MELF	100	2%	1/8W
R1320	1-208-462-41	RES-CHIP	10K	2%	1/10W	R1378	1-259-977-11	CARBON MELF	33	2%	1/8W
R1321	1-260-004-11	CARBON MELF	4.7K	2%	1/8W	R1379	1-208-462-41	RES-CHIP	10K	2%	1/10W
△ R1322	1-249-393-11	CARBON	10	5%	1/4W F	R1380	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1323	1-260-004-11	CARBON MELF	4.7K	2%	1/8W	R1381	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1324	1-259-977-11	CARBON MELF	33	2%	1/8W	△ R1382	1-249-393-11	CARBON	10	5%	1/4W F
R1325	1-259-983-11	CARBON MELF	100	2%	1/8W	△ R1383	1-249-393-11	CARBON	10	5%	1/4W F
R1326	1-208-437-41	RES-CHIP	1K	2%	1/10W	R1384	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1327	1-260-020-11	CARBON MELF	100K	2%	1/8W	R1385	1-259-977-11	CARBON MELF	33	2%	1/8W
R1328	1-208-437-41	RES-CHIP	1K	2%	1/10W	R1386	1-259-987-11	CARBON MELF	220	2%	1/8W
R1329	1-260-020-11	CARBON MELF	100K	2%	1/8W	R1387	1-259-983-11	CARBON MELF	100	2%	1/8W
R1330	1-260-020-11	CARBON MELF	100K	2%	1/8W	R1388	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1331	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R1389	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1332	1-259-987-11	CARBON MELF	220	2%	1/8W	R1390	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1333	1-260-020-11	CARBON MELF	100K	2%	1/8W	R1391	1-260-011-11	CARBON MELF	18K	2%	1/8W
R1334	1-208-437-41	RES-CHIP	1K	2%	1/10W	R1392	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1335	1-259-983-11	CARBON MELF	100	2%	1/8W	R1393	1-208-558-41	RES-CHIP	1M	2%	1/10W
R1336	1-259-977-11	CARBON MELF	33	2%	1/8W	R1394	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R1337	1-208-462-41	RES-CHIP	10K	2%	1/10W	R1395	1-208-776-11	METAL CHIP	560	0.5%	1/10W
R1338	1-259-987-11	CARBON MELF	220	2%	1/8W	R1396	1-208-824-11	METAL CHIP	56K	0.5%	1/10W
R1339	1-260-004-11	CARBON MELF	4.7K	2%	1/8W	R1397	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1340	1-259-987-11	CARBON MELF	220	2%	1/8W	R1398	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1341	1-259-987-11	CARBON MELF	220	2%	1/8W	R1399	1-208-774-11	METAL CHIP	470	0.5%	1/10W (AEP)
△ R1342	1-249-393-11	CARBON	10	5%	1/4W F	R1400	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R1343	1-259-987-11	CARBON MELF	220	2%	1/8W	R1401	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R1344	1-260-004-11	CARBON MELF	4.7K	2%	1/8W	R1402	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R1345	1-259-977-11	CARBON MELF	33	2%	1/8W	R1403	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1346	1-259-983-11	CARBON MELF	100	2%	1/8W	R1404	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R1347	1-259-987-11	CARBON MELF	220	2%	1/8W	R1405	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R1348	1-208-437-41	RES-CHIP	1K	2%	1/10W	R1406	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R1349	1-260-020-11	CARBON MELF	100K	2%	1/8W	R1407	1-208-425-41	RES-CHIP	330	2%	1/10W
R1350	1-208-437-41	RES-CHIP	1K	2%	1/10W	R1408	1-208-518-41	RES-CHIP	22K	2%	1/10W
R1351	1-259-987-11	CARBON MELF	220	2%	1/8W	R1409	1-208-518-41	RES-CHIP	22K	2%	1/10W
R1352	1-260-020-11	CARBON MELF	100K	2%	1/8W	R1410	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R1353	1-259-987-11	CARBON MELF	220	2%	1/8W	R1411	1-208-558-41	RES-CHIP	1M	2%	1/10W
R1354	1-260-020-11	CARBON MELF	100K	2%	1/8W						
R1355	1-208-453-41	RES-CHIP	4.7K	2%	1/10W						

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

COMPONENT

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R1412	1-218-764-11	METAL CHIP	330K	0.5%	1/10W						(AEP)
R1413	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R1470	1-208-768-11	METAL CHIP	270	0.5%	1/10W
R1414	1-216-627-11	METAL CHIP	100	0.5%	1/10W						(TW, KR)
R1415	1-216-687-11	METAL CHIP	33K	0.5%	1/10W						
						R1471	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1416	1-216-635-11	METAL CHIP	220	0.5%	1/10W						(AEP)
R1417	1-208-462-41	RES-CHIP	10K	2%	1/10W	R1472	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1418	1-208-526-41	RES-CHIP	47K	2%	1/10W						(AEP)
R1419	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1473	1-208-854-11	METAL CHIP	1M	0.5%	1/10W
R1420	1-216-627-11	METAL CHIP	100	0.5%	1/10W						(AEP)
						R1474	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1421	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1475	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1422	1-216-635-11	METAL CHIP	220	0.5%	1/10W						
R1423	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R1476	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1424	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R1477	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1425	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R1478	1-208-526-41	RES-CHIP	47K	2%	1/10W
						R1479	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1426	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R1480	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1427	1-208-445-41	RES-CHIP	2.2K	2%	1/10W						
R1428	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R1481	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1429	1-216-631-11	METAL CHIP	150	0.5%	1/10W	R1482	1-208-854-11	METAL CHIP	1M	0.5%	1/10W
R1430	1-208-449-41	RES-CHIP	3.3K	2%	1/10W						(AEP)
						R1483	1-208-768-11	METAL CHIP	270	0.5%	1/10W
R1431	1-216-631-11	METAL CHIP	150	0.5%	1/10W						(AEP)
R1432	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1484	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1433	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R1485	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1434	1-208-437-41	RES-CHIP	1K	2%	1/10W						
R1435	1-208-437-41	RES-CHIP	1K	2%	1/10W	R1486	1-208-768-11	METAL CHIP	270	0.5%	1/10W
											(AEP)
R1436	1-208-776-11	METAL CHIP	560	0.5%	1/10W	R1487	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1437	1-208-776-11	METAL CHIP	560	0.5%	1/10W	R1488	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1438	1-208-518-41	RES-CHIP	22K	2%	1/10W	R1494	1-216-295-00	SHORT CHIP	0		
R1439	1-208-558-41	RES-CHIP	1M	2%	1/10W	R1495	1-216-295-00	SHORT CHIP	0		
R1440	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W						
						R1496	1-216-295-00	SHORT CHIP	0		
R1441	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W	R1497	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R1442	1-218-756-11	METAL CHIP	150K	0.5%	1/10W	R1498	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R1443	1-208-425-41	RES-CHIP	330	2%	1/10W	R1499	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R1444	1-208-453-41	RES-CHIP	4.7K	2%	1/10W						
R1445	1-216-687-11	METAL CHIP	33K	0.5%	1/10W						< RELAY >
R1446	1-208-518-41	RES-CHIP	22K	2%	1/10W	RY1301	1-755-294-11	RELAY			
R1447	1-216-687-11	METAL CHIP	33K	0.5%	1/10W	RY1302	1-755-294-11	RELAY			
R1448	1-208-518-41	RES-CHIP	22K	2%	1/10W	RY1303	1-755-294-11	RELAY			
R1449	1-208-437-41	RES-CHIP	1K	2%	1/10W	RY1304	1-755-294-11	RELAY			
R1450	1-208-437-41	RES-CHIP	1K	2%	1/10W	RY1305	1-755-294-11	RELAY			
R1451	1-218-756-11	METAL CHIP	150K	0.5%	1/10W	RY1306	1-755-184-11	RELAY			
R1452	1-208-425-41	RES-CHIP	330	2%	1/10W	RY1307	1-755-184-11	RELAY			
R1453	1-216-627-11	METAL CHIP	100	0.5%	1/10W	RY1308	1-755-184-11	RELAY			
R1454	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	RY1309	1-755-184-11	RELAY			
R1455	1-216-627-11	METAL CHIP	100	0.5%	1/10W	RY1310	1-755-184-11	RELAY			
R1456	1-208-526-41	RES-CHIP	47K	2%	1/10W	RY1311	1-755-184-11	RELAY			
R1457	1-208-526-41	RES-CHIP	47K	2%	1/10W	RY1312	1-755-184-11	RELAY			
R1458	1-208-526-41	RES-CHIP	47K	2%	1/10W	RY1313	1-755-184-11	RELAY			
R1459	1-208-526-41	RES-CHIP	47K	2%	1/10W						
R1460	1-208-526-41	RES-CHIP	47K	2%	1/10W						< VIBRATOR >
R1461	1-208-462-41	RES-CHIP	10K	2%	1/10W	X1301	1-781-342-21	OSCILLATOR, CRYSTAL (3.5795MHz)			
R1462	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	X1302	1-781-134-21	VIBRATOR, CRYSTAL (4.43MHz) (AEP)			
R1463	1-208-526-41	RES-CHIP	47K	2%	1/10W	X1303	1-577-611-11	OSCILALTOR, CERAMIC (500kHz)			
R1464	1-208-462-41	RES-CHIP	10K	2%	1/10W	X1304	1-781-821-21	VIBRATOR, CRYSTAL (14.31818MHz) (AEP)			
R1465	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	X1305	1-781-820-21	VIBRATOR, CRYSTAL (17.734475MHz) (AEP)			
R1466	1-216-627-11	METAL CHIP	100	0.5%	1/10W	X1306	1-781-821-21	VIBRATOR, CRYSTAL (14.31818MHz)			
R1467	1-208-462-41	RES-CHIP	10K	2%	1/10W						(TW, KR)
R1468	1-208-445-41	RES-CHIP	2.2K	2%	1/10W						
R1469	1-216-627-11	METAL CHIP	100	0.5%	1/10W						

CSP

DC

DIGITAL

Ref. No.	Part No.	Description	Remark
	A-4733-832-A	CSP BOARD, COMPLETE *****	
		< CAPACITOR >	
C622	1-100-154-11	CERAMIC CHIP 330PF 5%	100V
C623	1-100-154-11	CERAMIC CHIP 330PF 5%	100V
C643	1-100-154-11	CERAMIC CHIP 330PF 5%	100V
C644	1-100-154-11	CERAMIC CHIP 330PF 5%	100V
C646	1-100-154-11	CERAMIC CHIP 330PF 5%	100V
C647	1-100-154-11	CERAMIC CHIP 330PF 5%	100V
		< CONNECTOR >	
CN606	1-785-104-11	PIN, CONNECTOR (3.96mm PITCH) 6P	
		< COIL >	
L621	1-456-594-11	INDUCTOR 33uH	
L641	1-456-594-11	INDUCTOR 33uH	
L642	1-456-594-11	INDUCTOR 33uH	
		< TERMINAL >	
TM603	1-780-031-11	TERMINAL BOARD (SP) (4P) (SPEAKERS CENTER, SURROUND BACK R)	
TM604	1-780-030-11	TERMINAL BOARD (SP) (2P) (SPEAKERS SURROUND BACK L)	

	A-4733-828-A	DC BOARD, COMPLETE *****	
	1-533-217-41	HOLDER, FUSE	
*	3-346-266-21	PLATE, GROUND	
	3-905-609-11	SCREW (TRANSISTOR)	
	4-383-023-01	SHEET, MICA	
*	4-931-964-01	SCREW (M4)	
	4-941-237-01	HEAT SINK	
*	4-974-510-11	SCREW (+BV 3X8 CU)	
		< CAPACITOR >	
C834	1-130-777-00	MYLAR 0.1uF 5%	100V
C836	1-130-777-00	MYLAR 0.1uF 5%	100V
C837	1-100-598-11	MYLAR 1uF 5%	250V
C839	1-100-600-11	ELECT (BLOCK) 12000uF 20%	100V
C842	1-130-777-00	MYLAR 0.1uF 5%	100V
C844	1-119-832-21	ELECT 1000uF 20%	50V
C845	1-135-780-51	ELECT 1000uF	35V
C847	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C849	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C850	1-119-806-21	ELECT 3300uF 20%	25V
C851	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C852	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C855	1-119-806-21	ELECT 3300uF 20%	25V
C864	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C865	1-119-806-21	ELECT 3300uF 20%	25V
C866	1-119-820-11	ELECT 1uF 20%	50V
C867	1-165-319-11	CERAMIC CHIP 0.1uF	50V
		< CONNECTOR >	
* CN817	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P	

Ref. No.	Part No.	Description	Remark
CN821	1-691-769-11	PLUG (MICRO CONNECTOR) 7P	
CN828	1-691-769-21	PLUG (MICRO CONNECTOR) 7P	
		< DIODE >	
D819	6-500-661-01	DIODE KCH30A20	
D820	6-500-661-01	DIODE KCH30A20	
D821	8-719-016-74	DIODE 1SS352	
D822	8-719-053-18	DIODE 1SR154-400TE-25	
D823	8-719-053-18	DIODE 1SR154-400TE-25	
D824	8-719-053-18	DIODE 1SR154-400TE-25	
D825	8-719-053-18	DIODE 1SR154-400TE-25	
D826	8-719-053-18	DIODE 1SR154-400TE-25	
D827	8-719-053-18	DIODE 1SR154-400TE-25	
D828	8-719-053-18	DIODE 1SR154-400TE-25	
D829	8-719-053-18	DIODE 1SR154-400TE-25	
D830	8-719-053-18	DIODE 1SR154-400TE-25	
D831	8-719-053-18	DIODE 1SR154-400TE-25	
D832	8-719-053-18	DIODE 1SR154-400TE-25	
D833	8-719-053-18	DIODE 1SR154-400TE-25	
D834	8-719-053-18	DIODE 1SR154-400TE-25	
		< EARTH TERMINAL >	
* EP805	1-537-738-21	TERMINAL, EARTH	
* EP806	1-537-738-21	TERMINAL, EARTH	
		< IC >	
IC815	8-759-605-03	IC M5F78M24L	
		< TRANSISTOR >	
Q831	8-729-271-31	TRANSISTOR 2SC2713-G	
		< RESISTOR >	
△ R835	1-215-866-11	METAL OXIDE 330 5%	1W F
R880	1-208-518-41	RES-CHIP 22K 2%	1/10W
R881	1-208-526-41	RES-CHIP 47K 2%	1/10W
R882	1-208-462-41	RES-CHIP 10K 2%	1/10W
		< RELAY >	
RY1001	1-515-999-11	RELAY, POWER	

	A-4733-841-A	DIGITAL BOARD, COMPLETE (TW, KR)	
	A-4733-862-A	DIGITAL BOARD, COMPLETE (AEP) *****	
		< CAPACITOR >	
C2001	1-119-824-31	ELECT 10uF 20%	50V
C2002	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C2003	1-119-824-31	ELECT 10uF 20%	50V
C2004	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C2005	1-119-821-31	ELECT 2.2uF 20%	50V
C2006	1-119-821-31	ELECT 2.2uF 20%	50V
C2007	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C2008	1-119-823-11	ELECT 4.7uF 20%	50V
C2009	1-119-824-31	ELECT 10uF 20%	50V
C2010	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C2011	1-165-319-11	CERAMIC CHIP 0.1uF	50V

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

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C2012	1-119-824-31	ELECT	10uF	20%	50V	C2081	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2013	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2082	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2014	1-119-824-31	ELECT	10uF	20%	50V	C2083	1-119-792-21	ELECT	470uF	20%	16V
C2015	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2084	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2016	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2085	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2017	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C2086	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2018	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C2087	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2019	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2088	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2020	1-119-824-31	ELECT	10uF	20%	50V	C2089	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2021	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2090	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2022	1-119-824-31	ELECT	10uF	20%	50V	C2091	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2023	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2092	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2024	1-119-824-31	ELECT	10uF	20%	50V	C2093	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2025	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2094	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2026	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2095	1-119-799-11	ELECT	47uF	20%	25V
C2027	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C2097	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2028	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C2098	1-119-799-11	ELECT	47uF	20%	25V
C2029	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2100	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2030	1-119-824-31	ELECT	10uF	20%	50V	C2101	1-119-799-11	ELECT	47uF	20%	25V
C2031	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2103	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2032	1-119-824-31	ELECT	10uF	20%	50V	C2104	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2033	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2106	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2034	1-119-824-31	ELECT	10uF	20%	50V	C2107	1-119-799-11	ELECT	47uF	20%	25V
C2035	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2108	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2036	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2109	1-119-799-11	ELECT	47uF	20%	25V
C2037	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C2111	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2038	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C2112	1-119-792-21	ELECT	470uF	20%	16V
C2039	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2115	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2040	1-119-824-31	ELECT	10uF	20%	50V	C2116	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2041	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2121	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C2042	1-119-824-31	ELECT	10uF	20%	50V	C2122	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C2043	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2129	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2044	1-119-824-31	ELECT	10uF	20%	50V	C2130	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2045	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2131	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C2046	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2132	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2047	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C2133	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2048	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C2134	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2049	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2135	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V
C2050	1-119-824-31	ELECT	10uF	20%	50V	C2136	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2051	1-119-824-31	ELECT	10uF	20%	50V	C2137	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2052	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2138	1-119-800-11	ELECT	100uF	20%	25V
C2053	1-119-824-31	ELECT	10uF	20%	50V	C2139	1-119-824-31	ELECT	10uF	20%	50V
C2054	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2140	1-119-779-11	ELECT	220uF	20%	10V
C2055	1-119-824-31	ELECT	10uF	20%	50V	C2141	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2056	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2142	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2057	1-119-824-31	ELECT	10uF	20%	50V	C2143	1-119-780-11	ELECT	330uF	20%	10V
C2058	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2161	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2059	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C2162	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2060	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C2163	1-119-792-21	ELECT	470uF	20%	16V
C2061	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2164	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2062	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2165	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2063	1-119-800-11	ELECT	100uF	20%	25V	C2166	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2066	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2167	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2067	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2168	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2068	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2169	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2069	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2171	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2070	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C2172	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2071	1-165-319-11	CERAMIC CHIP	0.1uF		50V						

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C2462	1-119-824-11	ELECT	10uF 20% 50V	C2635	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2463	1-165-319-11	CERAMIC CHIP	0.1uF 50V	C2636	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
C2464	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C2637	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
C2501	1-165-319-11	CERAMIC CHIP	0.1uF 50V	C2701	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2502	1-165-319-11	CERAMIC CHIP	0.1uF 50V	C2702	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2503	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2703	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C2504	1-119-824-31	ELECT	10uF 20% 50V	C2704	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2505	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2705	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2506	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2706	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2507	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2707	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
C2508	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2708	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2509	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2709	1-163-017-00	CERAMIC CHIP	0.0047uF 10% 50V
C2510	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2710	1-119-824-11	ELECT	10uF 20% 50V
C2511	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2711	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2512	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2712	1-128-840-11	ELECT	47uF 20% 16V
C2513	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2801	1-128-834-11	ELECT	470uF 20% 10V
C2514	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2802	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2515	1-119-824-31	ELECT	10uF 20% 50V	C2901	1-119-800-11	ELECT	100uF 20% 25V
C2517	1-165-319-11	CERAMIC CHIP	0.1uF 50V	C2902	1-119-800-11	ELECT	100uF 20% 25V
C2523	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2903	1-119-824-31	ELECT	10uF 20% 50V
C2524	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2905	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2525	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C2906	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2526	1-165-319-11	CERAMIC CHIP	0.1uF 50V	C2907	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2527	1-165-319-11	CERAMIC CHIP	0.1uF 50V	C2908	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2529	1-119-824-31	ELECT	10uF 20% 50V	C2909	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2601	1-163-125-00	CERAMIC CHIP	220PF 5% 50V	C2910	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2602	1-163-125-00	CERAMIC CHIP	220PF 5% 50V	C2911	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C2603	1-165-319-11	CERAMIC CHIP	0.1uF 50V	C2912	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C2604	1-165-319-11	CERAMIC CHIP	0.1uF 50V	< CONNECTOR >			
C2605	1-165-319-11	CERAMIC CHIP	0.1uF 50V	CN2001	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P	
C2606	1-165-319-11	CERAMIC CHIP	0.1uF 50V	CN2002	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P	
C2607	1-165-319-11	CERAMIC CHIP	0.1uF 50V	CN2003	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P	
C2608	1-165-319-11	CERAMIC CHIP	0.1uF 50V	CN2004	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P	
C2609	1-165-319-11	CERAMIC CHIP	0.1uF 50V	CN2005	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P	
C2610	1-165-319-11	CERAMIC CHIP	0.1uF 50V	CN2006	1-794-003-11	CONNECTOR 15P	
C2611	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	CN2007	1-794-006-11	CONNECTOR 20P	
C2613	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	CN2008	1-794-004-11	CONNECTOR 17P	
C2614	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	< DIODE >			
C2615	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	D2081	8-719-053-18	DIODE 1SR154-400TE-25	
C2616	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	D2121	8-719-988-61	DIODE 1SS355TE-17	
C2617	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	D2122	8-719-988-61	DIODE 1SS355TE-17	
C2618	1-165-319-11	CERAMIC CHIP	0.1uF 50V	D2201	8-719-988-61	DIODE 1SS355TE-17	
C2619	1-165-319-11	CERAMIC CHIP	0.1uF 50V	D2301	8-719-801-78	DIODE 1SS184	
C2620	1-165-319-11	CERAMIC CHIP	0.1uF 50V	D2601	8-719-801-78	DIODE 1SS184	
C2621	1-165-319-11	CERAMIC CHIP	0.1uF 50V	D2602	8-719-988-61	DIODE 1SS355TE-17	
C2622	1-128-840-11	ELECT	47uF 20% 16V	D2603	8-719-801-78	DIODE 1SS184	
C2623	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	D2701	8-719-801-78	DIODE 1SS184	
C2624	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	< FERRITE BEAD/SHORT >			
C2625	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	FB2001	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2626	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	FB2002	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2627	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	FB2003	1-469-139-21	FERRITE, EMI (SMD) (2012)	
C2628	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	FB2004	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2629	1-165-319-11	CERAMIC CHIP	0.1uF 50V	FB2061	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2630	1-165-319-11	CERAMIC CHIP	0.1uF 50V	FB2081	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2631	1-165-319-11	CERAMIC CHIP	0.1uF 50V				
C2632	1-165-319-11	CERAMIC CHIP	0.1uF 50V				
C2633	1-165-319-11	CERAMIC CHIP	0.1uF 50V				
C2634	1-119-820-11	ELECT	1uF 20% 50V				

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
FB2082	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2095	8-759-546-74	IC TC7WH157FU (TE12R)	
FB2123	1-469-139-21	FERRITE, EMI (SMD) (2012)		IC2121	6-702-008-01	IC LC89057W-VF4-E	
FB2124	1-469-139-21	FERRITE, EMI (SMD) (2012)		IC2161	6-703-372-01	IC CXD9742Q	
FB2125	1-469-152-11	FERRITE, EMI (SMD) (2012)					
FB2161	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2162	8-759-196-96	IC TC7SH08FU-TE85R	
FB2162	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2163	6-703-372-01	IC CXD9742Q	
FB2201	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2164	8-759-196-96	IC TC7SH08FU-TE85R	
FB2202	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2165	8-759-835-63	IC NJM2391DL1-26 (TE1)	
FB2252	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2201	6-702-047-01	IC CXD9718Q	
FB2301	1-469-152-11	FERRITE, EMI (SMD) (2012)					
FB2302	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2203	8-759-196-96	IC TC7SH08FU-TE85R	
FB2303	1-469-139-21	FERRITE, EMI (SMD) (2012)		IC2204	8-759-546-74	IC TC7WH157FU (TE12R)	
FB2304	1-469-139-21	FERRITE, EMI (SMD) (2012)		IC2205	8-759-926-17	IC SN74HC153ANS	
FB2305	1-469-139-21	FERRITE, EMI (SMD) (2012)		IC2206	8-759-835-63	IC NJM2391DL1-26 (TE1)	
				IC2207	8-759-546-74	IC TC7WH157FU (TE12R)	
FB2306	1-469-139-21	FERRITE, EMI (SMD) (2012)					
FB2307	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2208	8-759-926-17	IC SN74HC153ANS	
FB2309	1-469-139-21	FERRITE, EMI (SMD) (2012)		IC2209	8-759-546-74	IC TC7WH157FU (TE12R)	
FB2310	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2210	8-759-524-48	IC TC74VHC393FT (EL)	
FB2401	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2211	8-759-058-54	IC TC7S00FU (TE85R)	
				IC2251	6-704-421-01	IC CXD9782R	
FB2426	1-469-152-11	FERRITE, EMI (SMD) (2012)					
FB2451	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2252	6-704-037-01	IC IC61LV6416-15TG	
FB2461	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2253	6-704-037-01	IC IC61LV6416-15TG	
FB2501	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2254	8-759-196-96	IC TC7SH08FU-TE85R	
FB2502	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2255	8-759-835-63	IC NJM2391DL1-26 (TE1)	
				IC2301	6-702-288-01	IC CXD9722TQ	
FB2503	1-414-813-11	FERRITE, EMI (SMD) (2012)					
FB2504	1-216-295-00	SHORT CHIP 0		IC2302	(Not supplied)	IC MSM56V16160F-10T4FM1	
FB2511	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2303	8-759-196-96	IC TC7SH08FU-TE85R	
FB2601	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2304	8-759-096-87	IC TC7WU04FU (TE12R)	
FB2701	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2305	8-759-447-77	IC TC7WH74FU (TE12R)	
				IC2306	8-759-546-74	IC TC7WH157FU (TE12R)	
FB2901	1-469-152-11	FERRITE, EMI (SMD) (2012)					
FB2902	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2307	8-759-546-74	IC TC7WH157FU (TE12R)	
				IC2308	8-759-196-96	IC TC7SH08FU-TE85R	
				IC2401	6-704-741-01	IC CXD9776AQ	
				IC2402	8-759-196-96	IC TC7SH08FU-TE85R	
				IC2426	6-803-008-01	IC ISPLSI2032VE-110LTN44-MOD	
IC2001	6-701-834-01	IC PCM1802DBR		IC2427	8-759-392-01	IC TC7SH86FU-TE85R	
IC2011	6-704-013-01	IC DSD1800DBR		IC2428	8-759-491-46	IC TC74VHCT04AFT (EL)	
IC2021	6-704-013-01	IC DSD1800DBR		IC2429	8-759-523-95	IC TC74VHC74FT (EL)	
IC2031	6-704-013-01	IC DSD1800DBR		IC2430	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2041	6-704-013-01	IC DSD1800DBR		IC2451	8-759-233-44	IC TC74HC595AF	
IC2051	8-759-447-77	IC TC7WH74FU (TE12R)		IC2461	8-759-233-44	IC TC74HC595AF	
IC2052	8-759-524-09	IC TC74VHC153FT (EL)		IC2462	8-759-233-44	IC TC74HC595AF	
IC2063	8-759-524-10	IC TC74VHC157FT (EL)		IC2501	8-759-524-50	IC TC74VHC541FT (EL)	
IC2064	8-759-524-10	IC TC74VHC157FT (EL)		IC2503	8-759-008-37	IC MC74HC4050F	
IC2081	6-600-012-11	IC TOTX141L (RED)		IC2504	8-759-524-50	IC TC74VHC541FT (EL)	
		(DIGITAL OPTICAL VIDEO 1 OUT)					
IC2082	6-600-014-01	IC TORX141L (DIGITAL OPTICAL VIDEO 1 IN)		IC2506	8-759-008-37	IC MC74HC4050F	
IC2083	6-600-012-11	IC TOTX141L (RED)		IC2511	8-759-523-81	IC TC74VHC08FT (EL)	
		(DIGITAL OPTICAL MD/DAT OUT)		IC2512	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2084	6-600-014-01	IC TORX141L (DIGITAL OPTICAL LD IN)		IC2601	6-802-971-02	IC MB91F155-A9ES-X105	
IC2085	6-600-014-01	IC TORX141L (DIGITAL OPTICAL DVD IN)		IC2602	8-759-546-74	IC TC7WH157FU (TE12R)	
IC2086	6-600-014-01	IC TORX141L (DIGITAL OPTICAL TV/SAT IN)					
IC2087	6-600-014-01	IC TORX141L (DIGITAL OPTICAL MD/DAT IN)		IC2603	8-759-641-86	IC BR24C16F-E2	
IC2088	6-600-014-01	IC TORX141L		IC2604	8-759-277-63	IC TC7W14FU (TE12R)	
		(DIGITAL OPTICAL CD/SACD IN)		IC2605	8-759-058-62	IC TC7S08FU (TE85R)	
IC2089	8-759-058-62	IC TC7S08FU (TE85R)		IC2701	8-759-666-99	IC TMP87CH447U-1F23	
IC2090	8-759-058-62	IC TC7S08FU (TE85R)		IC2702	8-759-008-37	IC MC74HC4050F	
IC2091	8-759-233-64	IC TC74HC04AF					
				IC2703	8-759-008-37	IC MC74HC4050F	
IC2092	8-759-233-64	IC TC74HC04AF		IC2704	8-759-238-47	IC TC74HCT7007AF (EL)	
IC2093	8-759-236-19	IC TC74HC151AF (EL)		IC2705	8-759-058-62	IC TC7S08FU (TE85R)	
				IC2706	6-702-912-01	IC S-80942CNMC-G9CT2G	
				IC2801	8-759-445-59	IC BA033T	

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Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
IC2901	6-703-787-01	IC PCM1609KPTR				R2073	1-216-619-11	METAL CHIP	47	0.5%	1/10W
		< JACK >				R2074	1-216-619-11	METAL CHIP	47	0.5%	1/10W
J2080	1-784-432-11	JACK, PIN 1P (DIGITAL COAXIAL VIDEO 1 IN)				R2075	1-216-619-11	METAL CHIP	47	0.5%	1/10W
J2081	1-817-958-11	JACK, PIN 2P				R2078	1-216-627-11	METAL CHIP	100	0.5%	1/10W
		(DIGITAL COAXIAL LD IN, DVD IN)				R2079	1-216-627-11	METAL CHIP	100	0.5%	1/10W
J2082	1-817-958-11	JACK, PIN 2P				R2080	1-208-462-41	RES-CHIP	10K	2%	1/10W
		(DIGITAL COAXIAL TV/SAT IN, CD/SACD IN)				R2081	1-216-627-11	METAL CHIP	100	0.5%	1/10W
		< SHORT >				R2082	1-216-627-11	METAL CHIP	100	0.5%	1/10W
JW2801	1-216-295-00	SHORT CHIP	0			R2083	1-216-627-11	METAL CHIP	100	0.5%	1/10W
		< TRANSISTOR >				R2084	1-216-627-11	METAL CHIP	100	0.5%	1/10W
Q2122	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2085	1-216-627-11	METAL CHIP	100	0.5%	1/10W
Q2123	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2086	1-216-627-11	METAL CHIP	100	0.5%	1/10W
Q2302	8-729-216-22	TRANSISTOR	2SA1162-G			R2087	1-216-627-11	METAL CHIP	100	0.5%	1/10W
Q2303	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2088	1-216-627-11	METAL CHIP	100	0.5%	1/10W
Q2601	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2089	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2090	1-216-627-11	METAL CHIP	100	0.5%	1/10W
Q2602	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			R2091	1-259-991-11	CARBON MELF	470	2%	1/8W
Q2603	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			R2092	1-259-909-11	CARBON MELF	75	2%	1/8W
Q2701	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			R2093	1-260-028-11	CARBON MELF	470K	2%	1/8W
Q2702	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			R2094	1-260-016-11	CARBON MELF	47K	2%	1/8W
Q2703	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2095	1-259-991-11	CARBON MELF	470	2%	1/8W
		< RESISTOR >				R2096	1-259-909-11	CARBON MELF	75	2%	1/8W
R2001	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2097	1-260-028-11	CARBON MELF	470K	2%	1/8W
R2002	1-216-295-00	SHORT CHIP	0			R2098	1-260-016-11	CARBON MELF	47K	2%	1/8W
R2003	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2099	1-259-991-11	CARBON MELF	470	2%	1/8W
R2004	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2100	1-259-909-11	CARBON MELF	75	2%	1/8W
R2005	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2101	1-260-028-11	CARBON MELF	470K	2%	1/8W
R2008	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R2102	1-260-016-11	CARBON MELF	47K	2%	1/8W
R2009	1-208-437-41	RES-CHIP	1K	2%	1/10W	R2103	1-259-991-11	CARBON MELF	470	2%	1/8W
R2010	1-208-437-41	RES-CHIP	1K	2%	1/10W	R2104	1-259-909-11	CARBON MELF	75	2%	1/8W
R2011	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2105	1-260-028-11	CARBON MELF	470K	2%	1/8W
R2018	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R2106	1-260-016-11	CARBON MELF	47K	2%	1/8W
R2021	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R2107	1-259-991-11	CARBON MELF	470	2%	1/8W
R2028	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R2108	1-259-909-11	CARBON MELF	75	2%	1/8W
R2031	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R2109	1-260-028-11	CARBON MELF	470K	2%	1/8W
R2038	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R2110	1-260-016-11	CARBON MELF	47K	2%	1/8W
R2041	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R2112	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2048	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R2113	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2051	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2114	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2052	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2115	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2053	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2116	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2054	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2117	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2055	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2118	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2056	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2119	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2057	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2120	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2058	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2121	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2059	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2122	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R2060	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2123	1-208-558-41	RES-CHIP	1M	2%	1/10W
R2061	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2125	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2062	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2126	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2063	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2127	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2065	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2128	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2067	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2130	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2069	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2131	1-208-558-41	RES-CHIP	1M	2%	1/10W
R2071	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2132	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2133	1-208-437-41	RES-CHIP	1K	2%	1/10W
						R2134	1-216-627-11	METAL CHIP	100	0.5%	1/10W

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R2135	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2216	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2136	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2217	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2137	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2138	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2218	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2139	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2219	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2220	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2140	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R2221	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2141	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2222	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2142	1-216-635-11	METAL CHIP	220	0.5%	1/10W						
R2143	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2223	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2144	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R2224	1-208-462-41	RES-CHIP	10K	2%	1/10W
						R2225	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2145	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2226	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2146	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2227	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2147	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2148	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2228	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2149	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2229	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2230	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2150	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2231	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2151	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2232	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2152	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2153	1-216-295-00	SHORT CHIP	0			R2233	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2154	1-211-960-11	METAL CHIP	22	0.5%	1/10W	R2234	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2235	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2161	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2236	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2162	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2237	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2163	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2164	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2238	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2165	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2239	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2240	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2166	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2241	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2167	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2242	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2168	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2171	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2243	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2172	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2244	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2245	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2177	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2246	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2178	1-216-295-00	SHORT CHIP	0			R2247	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2179	1-216-295-00	SHORT CHIP	0								
R2180	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2248	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2182	1-208-774-11	METAL CHIP	470	0.5%	1/10W	R2249	1-208-462-41	RES-CHIP	10K	2%	1/10W
						R2250	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2185	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R2251	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2186	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2252	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2187	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2188	1-216-295-00	SHORT CHIP	0			R2253	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2189	1-216-295-00	SHORT CHIP	0			R2254	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2255	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2192	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2256	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2194	1-208-774-11	METAL CHIP	470	0.5%	1/10W	R2257	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2195	1-208-526-41	RES-CHIP	47K	2%	1/10W						
R2201	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2258	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2202	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2259	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2260	1-216-295-00	SHORT CHIP	0		
R2203	1-208-437-41	RES-CHIP	1K	2%	1/10W	R2261	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2204	1-216-635-11	METAL CHIP	220	0.5%	1/10W	R2262	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2205	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2206	1-216-295-00	SHORT CHIP	0			R2263	1-216-295-00	SHORT CHIP	0		
R2207	1-216-295-00	SHORT CHIP	0			R2264	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2265	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2208	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2266	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2209	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2267	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2210	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2211	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2268	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2212	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2269	1-208-437-41	RES-CHIP	1K	2%	1/10W
						R2270	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2213	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2271	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2214	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2272	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2215	1-216-627-11	METAL CHIP	100	0.5%	1/10W						

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Ref. No.	Part No.	Description			Remark
R2462	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2463	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2464	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2465	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2466	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2501	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2502	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2503	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2504	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2505	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2506	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2507	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2508	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2509	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2510	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2511	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2512	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2513	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2514	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2515	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2522	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2523	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2524	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2525	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2526	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2527	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2528	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2529	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2530	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2531	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2532	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2541	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2542	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2543	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2544	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2545	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2548	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2549	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2550	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2551	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2552	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2553	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2554	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2555	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2557	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2559	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2561	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2563	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2564	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2565	1-216-295-00	SHORT CHIP	0		
R2566	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2567	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2601	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2602	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2603	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2604	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2605	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2606	1-208-462-41	RES-CHIP	10K	2%	1/10W

Ref. No.	Part No.	Description			Remark
R2607	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2608	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2609	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2610	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2611	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2612	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2613	1-208-453-41	RES-CHIP	4.7K	2%	1/10W (TW, KR)
R2613	1-208-518-41	RES-CHIP	22K	2%	1/10W (AEP)
R2614	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2615	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2616	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2617	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2618	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2619	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2620	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2621	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2622	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2623	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2624	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2625	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2626	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2627	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2628	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2629	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2630	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2631	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2632	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2633	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2634	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2635	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2636	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2637	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2638	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2639	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2640	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R2641	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R2642	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2643	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2644	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2645	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2646	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2647	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2648	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2649	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2650	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2651	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2652	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2653	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2654	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2655	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R2656	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R2657	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2658	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2659	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2660	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2661	1-216-627-11	METAL CHIP	100	0.5%	1/10W

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R2662	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2822	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2823	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2663	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2824	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2664	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2825	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2665	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2666	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2826	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2667	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2827	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2828	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2668	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2829	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2669	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2830	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2670	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2671	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2831	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2672	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2832	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2833	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2673	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2834	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2674	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2901	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2675	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R2676	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2902	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2677	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2903	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2904	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2678	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2905	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2679	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2906	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2680	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R2681	1-208-526-41	RES-CHIP	47K	2%	1/10W	R2916	1-216-295-00	SHORT CHIP	0		
R2701	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2917	1-208-526-41	RES-CHIP	47K	2%	1/10W
						R2918	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2702	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2919	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2703	1-216-603-11	METAL CHIP	10	0.5%	1/10W	R2920	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2704	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R2705	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R2921	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2706	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2922	1-208-437-41	RES-CHIP	1K	2%	1/10W
						R2931	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2707	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R2932	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2708	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2933	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2709	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R2710	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2934	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2711	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2935	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R2936	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2712	1-208-462-41	RES-CHIP	10K	2%	1/10W	R2937	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2713	1-208-558-41	RES-CHIP	1M	2%	1/10W	R2938	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2714	1-208-462-41	RES-CHIP	10K	2%	1/10W			< VIBRATOR >			
R2715	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R2716	1-208-462-41	RES-CHIP	10K	2%	1/10W	X2121	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
						X2201	1-781-527-21	VIBRATOR, CRYSTAL (13.5MHz)			
R2717	1-208-462-41	RES-CHIP	10K	2%	1/10W	X2251	1-795-264-21	VIBRATOR, CERAMIC (13.5MHz)			
R2718	1-208-462-41	RES-CHIP	10K	2%	1/10W	X2301	1-767-286-11	VIBRATOR, CRYSTAL (22.5792MHz)			
R2719	1-208-462-41	RES-CHIP	10K	2%	1/10W	X2601	1-795-179-21	VIBRATOR, CERAMIC (16.5MHz)			
R2801	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2802	1-216-627-11	METAL CHIP	100	0.5%	1/10W	X2701	1-767-938-21	VIBRATOR, CERAMIC (7.28MHz)			

R2803	1-216-627-11	METAL CHIP	100	0.5%	1/10W		A-4733-780-A	DISP BOARD, COMPLETE			
R2804	1-216-627-11	METAL CHIP	100	0.5%	1/10W			*****			
R2805	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2806	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2807	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2808	1-216-627-11	METAL CHIP	100	0.5%	1/10W		2-389-320-01	CUSHION			
R2809	1-216-627-11	METAL CHIP	100	0.5%	1/10W		4-246-106-01	HOLDER (FL)			
R2810	1-216-627-11	METAL CHIP	100	0.5%	1/10W			< CAPACITOR >			
R2811	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2812	1-216-627-11	METAL CHIP	100	0.5%	1/10W	C701	1-124-589-11	ELECT	47uF	20%	16V
						C702	1-124-261-00	ELECT	10uF	20%	50V
R2813	1-216-627-11	METAL CHIP	100	0.5%	1/10W	C703	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R2815	1-216-627-11	METAL CHIP	100	0.5%	1/10W	C704	1-124-589-11	ELECT	47uF	20%	16V
R2816	1-216-627-11	METAL CHIP	100	0.5%	1/10W	C705	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
R2817	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R2819	1-216-627-11	METAL CHIP	100	0.5%	1/10W	C706	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
						C707	1-165-319-11	CERAMIC CHIP	0.1uF		50V
						C708	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
R2820	1-216-627-11	METAL CHIP	100	0.5%	1/10W						

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Ref. No.	Part No.	Description	Remark
C712	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C713	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C714	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C718	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C722	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C723	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C724	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C725	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C734	1-163-133-00	CERAMIC CHIP 470PF 5%	50V
C735	1-163-133-00	CERAMIC CHIP 470PF 5%	50V
< CONNECTOR >			
* CNP704	1-564-520-11	PLUG, CONNECTOR 5P	
* CNP709	1-564-521-11	PLUG, CONNECTOR 6P	
CNS701	1-794-001-11	CONNECTOR 20P	
CNS702	1-793-999-11	CONNECTOR 17P	
* CNS703	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
* CNS704	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
CNS705	1-568-741-11	SOCKET, CONNECTOR 23P	
CNS706	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P	
CNS710	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P	
< DIODE >			
D701	8-719-075-59	LED SELS5B23C-TP15 (Digital Cinema Sound)	
D702	8-719-075-59	LED SELS5B23C-TP15 (SB DEC)	
D718	8-719-070-83	LED SELU5E20C-TP15 (MULTI CHANNEL DECODING)	
D719	8-719-988-61	DIODE 1SS355TE-17	
D720	8-719-988-61	DIODE 1SS355TE-17	
D721	8-719-988-61	DIODE 1SS355TE-17	
D722	8-719-988-61	DIODE 1SS355TE-17	
D1017	8-719-046-39	LED SEL5821A-TP15 (VIDEO 1)	
D1018	8-719-046-39	LED SEL5821A-TP15 (VIDEO 2)	
D1019	8-719-046-39	LED SEL5821A-TP15 (VIDEO 3)	
D1020	8-719-046-39	LED SEL5821A-TP15 (VIDEO 4)	
D1021	8-719-046-39	LED SEL5821A-TP15 (VIDEO 5)	
D1022	8-719-046-39	LED SEL5821A-TP15 (LD)	
D1023	8-719-046-39	LED SEL5821A-TP15 (DVD)	
D1024	8-719-046-39	LED SEL5821A-TP15 (TV/SAT)	
D1025	8-719-046-39	LED SEL5821A-TP15 (TAPE)	
D1026	8-719-046-39	LED SEL5821A-TP15 (MD/DAT)	
D1027	8-719-046-39	LED SEL5821A-TP15 (CD/SACD)	
D1028	8-719-046-39	LED SEL5821A-TP15 (TUNER)	
D1029	8-719-046-39	LED SEL5821A-TP15 (PHONO)	
D1030	8-719-046-39	LED SEL5821A-TP15 (i. LINK)	
D1031	8-719-046-43	LED SEL5421E-TP15 (DIRECT)	
D1032	8-719-075-59	LED SELS5B23C-TP15 (NIGHT MODE)	
< FLUORESCENT INDICATOR TUBE >			
FL701	1-518-906-11	INDICATOR TUBE, FLUORESCENT	
< IC >			
IC701	8-759-459-85	IC NJL63H400A	
IC702	8-759-448-24	IC NJU3718G (TE2)	
IC703	8-759-448-24	IC NJU3718G (TE2)	
IC704	8-759-032-11	IC MC74HC04AF	
IC705	8-759-238-47	IC TC74HCT7007AF (EL)	

Ref. No.	Part No.	Description	Remark
IC706	8-759-238-47	IC TC74HCT7007AF (EL)	
< RESISTOR >			
R156	1-208-526-41	RES-CHIP 47K 2%	1/10W
R157	1-208-518-41	RES-CHIP 22K 2%	1/10W
R701	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R702	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R704	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R705	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R706	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R707	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R708	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R709	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R710	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R711	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R712	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R713	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R714	1-208-462-41	RES-CHIP 10K 2%	1/10W
R715	1-208-755-11	METAL CHIP 75 0.5%	1/10W
R716	1-208-425-41	RES-CHIP 330 2%	1/10W
R717	1-208-425-41	RES-CHIP 330 2%	1/10W
R718	1-216-603-11	METAL CHIP 10 0.5%	1/10W
△ R719	1-249-382-11	CARBON 1.2 5%	1/4W F
△ R720	1-249-382-11	CARBON 1.2 5%	1/4W F
R721	1-208-425-41	RES-CHIP 330 2%	1/10W
R722	1-208-425-41	RES-CHIP 330 2%	1/10W
R723	1-208-526-41	RES-CHIP 47K 2%	1/10W
R724	1-208-437-41	RES-CHIP 1K 2%	1/10W
R725	1-208-437-41	RES-CHIP 1K 2%	1/10W
R726	1-208-425-41	RES-CHIP 330 2%	1/10W
R735	1-208-526-41	RES-CHIP 47K 2%	1/10W
R736	1-208-526-41	RES-CHIP 47K 2%	1/10W
R737	1-216-685-11	METAL CHIP 27K 0.5%	1/10W
R738	1-216-685-11	METAL CHIP 27K 0.5%	1/10W
R739	1-216-685-11	METAL CHIP 27K 0.5%	1/10W
R740	1-216-685-11	METAL CHIP 27K 0.5%	1/10W
R741	1-208-526-41	RES-CHIP 47K 2%	1/10W
R742	1-208-526-41	RES-CHIP 47K 2%	1/10W
R748	1-208-425-41	RES-CHIP 330 2%	1/10W
R751	1-208-462-41	RES-CHIP 10K 2%	1/10W
R753	1-208-445-41	RES-CHIP 2.2K 2%	1/10W
R754	1-208-445-41	RES-CHIP 2.2K 2%	1/10W
R755	1-208-437-41	RES-CHIP 1K 2%	1/10W
R756	1-208-453-41	RES-CHIP 4.7K 2%	1/10W
R757	1-208-437-41	RES-CHIP 1K 2%	1/10W
R758	1-208-462-41	RES-CHIP 10K 2%	1/10W
R759	1-208-453-41	RES-CHIP 4.7K 2%	1/10W
R760	1-208-445-41	RES-CHIP 2.2K 2%	1/10W
R761	1-208-445-41	RES-CHIP 2.2K 2%	1/10W
R762	1-208-437-41	RES-CHIP 1K 2%	1/10W
< ROTARY ENCODER >			
RV701	1-473-534-11	ENCODER, ROTARY (MAIN MENU)	
RV702	1-473-534-11	ENCODER, ROTARY (MENU)	
RV704	1-473-534-11	ENCODER, ROTARY (-/+)	
RV706	1-473-534-11	ENCODER, ROTARY (BASS)	
RV707	1-473-534-11	ENCODER, ROTARY (TREBLE)	

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

						DISP		F. VIDEO		FCOIL		FSP	
Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
< SWITCH >													
S718	1-771-349-21	SWITCH, KEYBOARD (USER PRESET)					C1592	1-100-598-11	MYLAR	1uF	5%	250V	
S719	1-771-349-21	SWITCH, KEYBOARD (DISPLAY)					C1593	1-100-598-11	MYLAR	1uF	5%	250V	
S720	1-771-349-21	SWITCH, KEYBOARD (DECODE PRIORITY)					C1594	1-100-598-11	MYLAR	1uF	5%	250V	
S721	1-771-349-21	SWITCH, KEYBOARD (DIRECT)					C1595	1-100-598-11	MYLAR	1uF	5%	250V	
S722	1-771-349-21	SWITCH, KEYBOARD (MULTI CH IN 1/2)					C1714	1-100-153-11	CERAMIC CHIP	220PF	5%	100V	
S723	1-771-349-21	SWITCH, KEYBOARD (SURR BACK DECODING)					C1715	1-100-153-11	CERAMIC CHIP	220PF	5%	100V	
							C1716	1-100-153-11	CERAMIC CHIP	220PF	5%	100V	
S724	1-771-349-21	SWITCH, KEYBOARD (INPUT MODE)					C1717	1-100-153-11	CERAMIC CHIP	220PF	5%	100V	
S725	1-771-349-21	SWITCH, KEYBOARD (REC OUT SELECTOR +)					C1722	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	
S726	1-771-349-21	SWITCH, KEYBOARD (DIMMER)					C1723	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	
S727	1-771-349-21	SWITCH, KEYBOARD (SLEEP)					C1724	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	
S728	1-771-349-21	SWITCH, KEYBOARD (NIGHT MODE)					C1725	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	
							C1730	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	
S729	1-771-349-21	SWITCH, KEYBOARD (ON SCREEN)					C1731	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	
S730	1-771-349-21	SWITCH, KEYBOARD (TEST TONE)					C1732	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	
S731	1-771-349-21	SWITCH, KEYBOARD (ENTER)					C1733	1-100-155-11	CERAMIC CHIP	470PF	5%	100V	
S732	1-771-349-21	SWITCH, KEYBOARD (REC OUT SELECTOR -)					C1738	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	
SW701	1-786-056-11	SWITCH, ROTARY (SPEAKERS FRONT)					C1739	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	
							C1740	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	
SW702	1-762-537-11	SWITCH, ROTARY (SPEAKERS SURROUND)					C1741	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V	

A-4733-784-A F. VIDEO BOARD, COMPLETE													

< CAPACITOR >													
C715	1-163-035-00	CERAMIC CHIP	0.047uF		50V								
C716	1-163-033-00	CERAMIC CHIP	0.022uF		50V								
C717	1-163-251-11	CERAMIC CHIP	100PF	5%	50V								
C726	1-163-251-11	CERAMIC CHIP	100PF	5%	50V								
C728	1-165-319-11	CERAMIC CHIP	0.1uF		50V								
< CONNECTOR >													
CN709	1-784-924-11	PIN, CONNECTOR 8P				* CN1506	1-564-243-11	PIN, CONNECTOR (3.96mm PITCH)	6P				
CN710	1-779-978-11	PIN, CONNECTOR 3P				< EARTH TERMINAL >							
< IC >													
IC707	6-600-014-01	IC TORX141L (VIDEO 5 INPUT DIGITAL OPTICAL)				EP1508	1-537-770-21	TERMINAL BOARD, GROUND					
< JACK >													
J702	1-764-190-21	JACK, PIN 3P (VIDEO 5 INPUT S2 VIDEO, VIDEO, AUDIO)				< COIL >							
< RESISTOR >													
R730	1-208-437-41	RES-CHIP	1K	2%	1/10W	L1501	1-456-411-11	INDUCTOR	10uH				
R731	1-208-437-41	RES-CHIP	1K	2%	1/10W	L1502	1-456-411-11	INDUCTOR	10uH				
R732	1-216-627-11	METAL CHIP	100	0.5%	1/10W	L1503	1-456-411-11	INDUCTOR	10uH				
R733	1-208-755-11	METAL CHIP	75	0.5%	1/10W	L1504	1-456-411-11	INDUCTOR	10uH				
R734	1-208-755-11	METAL CHIP	75	0.5%	1/10W	L1505	1-456-411-11	INDUCTOR	10uH				
R743	1-208-755-11	METAL CHIP	75	0.5%	1/10W	L1506	1-456-411-11	INDUCTOR	10uH				
						< RESISTOR >							
*****						R1732	1-249-818-11	CARBON	4.7K	1%	1/2W		
						R1733	1-249-818-11	CARBON	4.7K	1%	1/2W		
						R1734	1-249-818-11	CARBON	4.7K	1%	1/2W		

A-4733-781-A FSP BOARD, COMPLETE													

< CAPACITOR >													
C601	1-100-154-11	CERAMIC CHIP	330PF	5%	100V								
C602	1-100-154-11	CERAMIC CHIP	330PF	5%	100V								
C604	1-117-720-11	CERAMIC CHIP	4.7uF		10V								
C605	1-165-319-11	CERAMIC CHIP	0.1uF		50V								
C607	1-100-154-11	CERAMIC CHIP	330PF	5%	100V								
</													

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
C608	1-100-154-11	CERAMIC CHIP	330PF	5%	100V			< TRANSISTOR >					
C609	1-165-319-11	CERAMIC CHIP	0.1uF		50V								
C610	1-165-319-11	CERAMIC CHIP	0.1uF		50V		Q601	8-729-216-22	TRANSISTOR	2SA1162-G			
C612	1-117-720-11	CERAMIC CHIP	4.7uF		10V		Q602	8-729-216-22	TRANSISTOR	2SA1162-G			
C613	1-165-319-11	CERAMIC CHIP	0.1uF		50V		Q603	8-729-216-22	TRANSISTOR	2SA1162-G			
							Q604	8-729-216-22	TRANSISTOR	2SA1162-G			
C614	1-100-154-11	CERAMIC CHIP	330PF	5%	100V		Q605	8-729-216-22	TRANSISTOR	2SA1162-G			
C615	1-100-154-11	CERAMIC CHIP	330PF	5%	100V								
C616	1-117-720-11	CERAMIC CHIP	4.7uF		10V		Q606	8-729-216-22	TRANSISTOR	2SA1162-G			
C617	1-100-154-11	CERAMIC CHIP	330PF	5%	100V		Q607	8-729-216-22	TRANSISTOR	2SA1162-G			
C618	1-100-154-11	CERAMIC CHIP	330PF	5%	100V		Q608	8-729-216-22	TRANSISTOR	2SA1162-G			
							Q609	8-729-216-22	TRANSISTOR	2SA1162-G			
C619	1-165-319-11	CERAMIC CHIP	0.1uF		50V		Q610	8-729-216-22	TRANSISTOR	2SA1162-G			
C621	1-117-720-11	CERAMIC CHIP	4.7uF		10V								
C625	1-117-720-11	CERAMIC CHIP	4.7uF		10V		Q611	8-729-216-22	TRANSISTOR	2SA1162-G			
C629	1-165-319-11	CERAMIC CHIP	0.1uF		50V		Q612	8-729-216-22	TRANSISTOR	2SA1162-G			
C630	1-117-720-11	CERAMIC CHIP	4.7uF		10V		Q613	8-729-216-22	TRANSISTOR	2SA1162-G			
							Q614	8-729-216-22	TRANSISTOR	2SA1162-G			
C634	1-165-319-11	CERAMIC CHIP	0.1uF		50V		Q615	8-729-271-31	TRANSISTOR	2SC2713-G			
C635	1-165-319-11	CERAMIC CHIP	0.1uF		50V								
C636	1-117-720-11	CERAMIC CHIP	4.7uF		10V		Q616	8-729-271-31	TRANSISTOR	2SC2713-G			
C637	1-165-319-11	CERAMIC CHIP	0.1uF		50V		Q617	8-729-271-31	TRANSISTOR	2SC2713-G			
C642	1-165-319-11	CERAMIC CHIP	0.1uF		50V		Q618	8-729-271-31	TRANSISTOR	2SC2713-G			
							Q619	8-729-271-31	TRANSISTOR	2SC2713-G			
C645	1-165-319-11	CERAMIC CHIP	0.1uF		50V		Q620	8-729-271-31	TRANSISTOR	2SC2713-G			
C648	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V				< RESISTOR >				
C649	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V								
C650	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V								
C651	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V		R602	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
							R603	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
C652	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V		R605	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
C653	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V		R606	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
		< CONNECTOR >					R608	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
CN607	1-691-765-11	PLUG (MICRO CONNECTOR) 3P											
CN608	1-691-769-11	PLUG (MICRO CONNECTOR) 7P											
		< DIODE >					R609	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
							R611	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
							R612	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
							R614	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
							R615	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
D601	8-719-988-61	DIODE	1SS355TE-17										
D602	8-719-988-61	DIODE	1SS355TE-17										
D603	8-719-988-61	DIODE	1SS355TE-17										
D604	8-719-988-61	DIODE	1SS355TE-17										
D605	8-719-988-61	DIODE	1SS355TE-17										
							R617	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
D606	8-719-988-61	DIODE	1SS355TE-17										
D607	8-719-988-61	DIODE	1SS355TE-17										
D608	8-719-988-61	DIODE	1SS355TE-17										
D609	8-719-988-61	DIODE	1SS355TE-17										
D610	8-719-988-61	DIODE	1SS355TE-17										
							R618	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
							R620	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
							R621	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	
							R622	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
D606	8-719-988-61	DIODE	1SS355TE-17										
D607	8-719-988-61	DIODE	1SS355TE-17										
D608	8-719-988-61	DIODE	1SS355TE-17										
D609	8-719-988-61	DIODE	1SS355TE-17										
D610	8-719-988-61	DIODE	1SS355TE-17										
							R623	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
							R624	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
							R625	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
							R626	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
							R627	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
D611	8-719-988-61	DIODE	1SS355TE-17										
D612	8-719-988-61	DIODE	1SS355TE-17										
D613	8-719-988-61	DIODE	1SS355TE-17										
D614	8-719-988-61	DIODE	1SS355TE-17										
D615	8-719-988-61	DIODE	1SS355TE-17										
							R630	1-208-462-41	RES-CHIP	10K	2%	1/10W	
							R631	1-208-462-41	RES-CHIP	10K	2%	1/10W	
							R632	1-208-462-41	RES-CHIP	10K	2%	1/10W	
							R633	1-208-462-41	RES-CHIP	10K	2%	1/10W	
							R634	1-208-462-41	RES-CHIP	10K	2%	1/10W	
D616	8-719-988-61	DIODE	1SS355TE-17										
D617	8-719-988-61	DIODE	1SS355TE-17										
D618	8-719-988-61	DIODE	1SS355TE-17										
		< COIL >					R635	1-208-462-41	RES-CHIP	10K	2%	1/10W	
							R636	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
L601	1-456-594-11	INDUCTOR	33uH										
L602	1-456-594-11	INDUCTOR	33uH										
L603	1-456-594-11	INDUCTOR	33uH										
L604	1-456-594-11	INDUCTOR	33uH										
							R640	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
							R641	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
							R642	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	

					FSP		FUNC		H. P		I. LINK	
Ref. No.	Part No.	Description	Remark		Ref. No.	Part No.	Description			Remark		
		< RELAY >			C3009	1-128-840-11	ELECT	47uF	20%	16V		
RY601	1-515-920-11	RELAY			C3010	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
RY602	1-515-920-11	RELAY			C3011	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
RY603	1-515-920-11	RELAY			C3012	1-163-125-00	CERAMIC CHIP	220PF	5%	50V		
RY604	1-515-920-11	RELAY			C3013	1-163-239-11	CERAMIC CHIP	33PF	5%	50V		
RY605	1-515-920-11	RELAY			C3014	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
					C3015	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
RY606	1-515-920-11	RELAY			C3016	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
RY607	1-515-920-11	RELAY										
RY608	1-515-920-11	RELAY			C3017	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
RY609	1-515-920-11	RELAY			C3018	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V		
RY610	1-515-920-11	RELAY			C3019	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V		
					C3020	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
RY611	1-515-920-11	RELAY			C3021	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
		< SWITCH >			C3022	1-164-346-11	CERAMIC CHIP	1uF		16V		
S601	1-692-196-11	SWITCH, SLIDE (IMPEDANCE SELECTOR)			C3023	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
		< TERMINAL >			C3024	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
					C3025	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
TM601	1-780-032-11	TERMINAL BOARD (SP) (8P) (SPEAKERS FRONT)			C3026	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
*****					C3027	1-136-153-00	MYLAR	0.01uF	5%	50V		
	1-688-676-11	FUNC BOARD			C3028	1-127-718-91	ELECT	100uF	20%	16V		
		*****			C3029	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
		< CONNECTOR >			C3030	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
* CNP706	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			C3031	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
		< ROTARY ENCODER >			C3032	1-136-169-00	MYLAR	0.22uF	5%	50V		
RV705	1-475-976-11	ENCODER, ROTARY (INPUT SELECTOR)			C3033	1-127-719-91	ELECT	220uF	20%	16V		
*****					C3034	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
	1-688-678-11	H. P BOARD			C3035	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
		*****			C3036	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
		< CAPACITOR >			C3037	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
C719	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3038	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
C720	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	C3039	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
C721	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	C3040	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
		< CONNECTOR >			C3041	1-127-719-91	ELECT	220uF	20%	16V		
CN711	1-784-922-11	PIN, CONNECTOR 5P			C3042	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
		< JACK >			C3043	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
J701	1-815-313-11	JACK (PHONES)			C3044	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
*****					C3045	1-127-718-91	ELECT	100uF	20%	16V		
A-4733-835-A		I. LINK BOARD, COMPLETE			C3046	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
		*****			C3047	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
		< CAPACITOR >			C3048	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
C3001	1-164-346-11	CERAMIC CHIP	1uF	16V	C3049	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
C3003	1-164-346-11	CERAMIC CHIP	1uF	16V	C3050	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
C3004	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3051	1-119-824-11	ELECT	10uF	20%	50V		
C3005	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3052	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
C3006	1-163-127-00	CERAMIC CHIP	270PF	5%	C3053	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
					C3054	1-127-719-91	ELECT	220uF	20%	16V		
C3007	1-163-127-00	CERAMIC CHIP	270PF	5%	C3055	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
C3008	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3056	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
					C3057	1-127-718-91	ELECT	100uF	20%	16V		
					C3058	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
					C3059	1-119-824-11	ELECT	10uF	20%	50V		
					C3060	1-119-824-11	ELECT	10uF	20%	50V		
					C3061	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
					C3062	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
					C3063	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
					C3064	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
					C3065	1-165-319-11	CERAMIC CHIP	0.1uF		50V		
					C3066	1-165-319-11	CERAMIC CHIP	0.1uF		50V		

IC3001 (Not supplied) IC AT28BV64B-25SI
IC3002 (Not supplied) IC M30626FHPFP-DA9000ES

< JACK >					
J3002	1-793-078-11	CONNECTOR, SQUARE TYPE 4P (i. LINK S200 AUDIO IN)			
J3501	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C)			
J3533	1-563-330-11	JACK (CONTROL A1II)			
< COIL >					
L1902	1-400-098-21	COIL, COMMON MODE CHOKE			
L1904	1-400-098-21	COIL, COMMON MODE CHOKE			
< TRANSISTOR >					
Q3551	8-729-140-93	TRANSISTOR	2SB733-34		
Q3552	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
< RESISTOR >					
R3001	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3002	1-208-558-41	RES-CHIP	1M	2%	1/10W
R3003	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3004	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3005	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3006	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3007	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3008	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3009	1-216-627-11	RES-CHIP	10K	2%	1/10W
R3010	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3011	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3012	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3013	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3014	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3015	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3017	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3023	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3024	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3025	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3026	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3027	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3028	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3029	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R3030	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R3031	1-216-295-00	SHORT CHIP	0		
R3032	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3033	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R3034	1-208-437-41	RES-CHIP	1K	2%	1/10W
R3035	1-208-462-41	RES-CHIP	10K	2%	1/10W

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I. LINK

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R3036	1-216-657-11	METAL CHIP	1.8K	0.5%	1/10W	R3093	1-208-462-41	RES-CHIP	10K	2%	1/10W
						R3094	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3037	1-208-437-41	RES-CHIP	1K	2%	1/10W	R3095	1-208-437-41	RES-CHIP	1K	2%	1/10W
R3038	1-208-462-41	RES-CHIP	10K	2%	1/10W	R3096	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3039	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R3040	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R3097	1-208-558-41	RES-CHIP	1M	2%	1/10W
R3041	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R3098	1-208-774-11	METAL CHIP	470	0.5%	1/10W
						R3099	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3042	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R3100	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3043	1-208-462-41	RES-CHIP	10K	2%	1/10W	R3101	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3044	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R3045	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R3102	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3046	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R3103	1-208-462-41	RES-CHIP	10K	2%	1/10W
						R3104	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3047	1-208-437-41	RES-CHIP	1K	2%	1/10W	R3105	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3048	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R3106	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3049	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R3050	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R3107	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3051	1-208-774-11	METAL CHIP	470	0.5%	1/10W	R3108	1-208-462-41	RES-CHIP	10K	2%	1/10W
						R3109	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3052	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R3110	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3053	1-208-462-41	RES-CHIP	10K	2%	1/10W	R3111	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3054	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W						
R3055	1-208-462-41	RES-CHIP	10K	2%	1/10W	R3112	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3056	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R3113	1-208-462-41	RES-CHIP	10K	2%	1/10W
						R3114	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3057	1-208-462-41	RES-CHIP	10K	2%	1/10W	R3115	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3058	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R3116	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3059	1-208-449-41	RES-CHIP	3.3K	2%	1/10W						
R3060	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R3117	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3061	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R3118	1-208-462-41	RES-CHIP	10K	2%	1/10W
						R3119	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R3062	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R3120	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3063	1-208-462-41	RES-CHIP	10K	2%	1/10W	R3121	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3064	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R3065	1-208-462-41	RES-CHIP	10K	2%	1/10W	R3122	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3066	1-208-462-41	RES-CHIP	10K	2%	1/10W	R3501	1-216-627-11	METAL CHIP	100	0.5%	1/10W
						R3502	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3067	1-208-462-41	RES-CHIP	10K	2%	1/10W	R3551	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3068	1-208-462-41	RES-CHIP	10K	2%	1/10W	R3552	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R3069	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R3070	1-208-462-41	RES-CHIP	10K	2%	1/10W	R3553	1-208-437-41	RES-CHIP	1K	2%	1/10W
R3071	1-208-462-41	RES-CHIP	10K	2%	1/10W	< VIBRATOR >					
						X3001	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
R3072	1-208-462-41	RES-CHIP	10K	2%	1/10W	X3002	1-795-244-11	VIBRATOR, CERAMIC (10MHz)			
R3073	1-208-462-41	RES-CHIP	10K	2%	1/10W	X3003	1-579-996-21	VIBRATOR, CERAMIC (20MHz)			
R3074	1-216-619-11	METAL CHIP	47	0.5%	1/10W	*****					
R3075	1-216-619-11	METAL CHIP	47	0.5%	1/10W	A-4733-773-A IR BOARD, COMPLETE					
R3076	1-216-627-11	METAL CHIP	100	0.5%	1/10W	*****					
						< CAPACITOR >					
R3077	1-208-462-41	RES-CHIP	10K	2%	1/10W	C709	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
R3078	1-208-462-41	RES-CHIP	10K	2%	1/10W	C710	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
R3079	1-208-462-41	RES-CHIP	10K	2%	1/10W	C711	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
R3080	1-208-462-41	RES-CHIP	10K	2%	1/10W	C733	1-137-658-91	ELECT	1000uF	20%	6.3V
R3081	1-208-462-41	RES-CHIP	10K	2%	1/10W	< DIODE >					
						D709	8-719-016-74	DIODE 1SS352			
R3082	1-208-462-41	RES-CHIP	10K	2%	1/10W	D710	8-719-075-86	LED SID307BRTP19 (IR RECEPTOR)			
R3083	1-208-462-41	RES-CHIP	10K	2%	1/10W	D711	8-719-075-86	LED SID307BRTP19 (IR RECEPTOR)			
R3084	1-208-462-41	RES-CHIP	10K	2%	1/10W	D712	8-719-075-86	LED SID307BRTP19 (IR RECEPTOR)			
R3085	1-208-462-41	RES-CHIP	10K	2%	1/10W	D713	8-719-075-86	LED SID307BRTP19 (IR RECEPTOR)			
R3086	1-208-462-41	RES-CHIP	10K	2%	1/10W						
						D714	8-719-016-74	DIODE 1SS352			
R3087	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R3088	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R3089	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R3090	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R3091	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R3092	1-208-462-41	RES-CHIP	10K	2%	1/10W						

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MAIN

Ref. No.	Part No.	Description	Remark		
D715	8-719-016-74	DIODE 1SS352			
D716	8-719-075-86	LED SID307BRT19 (IR RECEPTOR)			
D717	8-719-075-86	LED SID307BRT19 (IR RECEPTOR)			
< TRANSISTOR >					
Q701	8-729-801-93	TRANSISTOR	2SD1387-3		
Q702	8-729-801-93	TRANSISTOR	2SD1387-3		
Q703	8-729-801-93	TRANSISTOR	2SD1387-3		
< RESISTOR >					
R771	1-216-295-00	SHORT CHIP	0		
R772	1-216-295-00	SHORT CHIP	0		
R773	1-216-295-00	SHORT CHIP	0		
R774	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R775	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R776	1-216-627-11	METAL CHIP	100	0.5%	1/10W

A-4733-788-A		MAIN BOARD, COMPLETE			

< CAPACITOR >					
C101	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C102	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C103	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C104	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C106	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C107	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C108	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C109	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C110	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C111	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C112	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C113	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C114	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C115	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C116	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C117	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C118	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C119	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C120	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C121	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C122	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C123	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C124	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C125	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C126	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C127	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C128	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C129	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C130	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C131	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C132	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C134	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C135	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C136	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C137	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C138	1-165-319-11	CERAMIC CHIP	0.1uF		50V

Ref. No.	Part No.	Description	Remark		
C139	1-165-319-11	CERAMIC CHIP 0.1uF 50V			
C142	1-164-161-11	CERAMIC CHIP 0.0022uF 10% 50V			
C143	1-164-161-11	CERAMIC CHIP 0.0022uF 10% 50V			
C144	1-165-319-11	CERAMIC CHIP 0.1uF 50V			
C145	1-165-319-11	CERAMIC CHIP 0.1uF 50V			
C146	1-164-161-11	CERAMIC CHIP 0.0022uF 10% 50V			
C147	1-164-161-11	CERAMIC CHIP 0.0022uF 10% 50V			
C151	1-163-251-11	CERAMIC CHIP 100PF 5% 50V			
C152	1-163-251-11	CERAMIC CHIP 100PF 5% 50V			
C153	1-163-251-11	CERAMIC CHIP 100PF 5% 50V			
C154	1-163-251-11	CERAMIC CHIP 100PF 5% 50V			
C160	1-119-834-11	ELECT 22uF 20% 63V			
C161	1-119-834-11	ELECT 22uF 20% 63V			
C162	1-119-824-31	ELECT 10uF 20% 50V			
C163	1-119-824-31	ELECT 10uF 20% 50V			
C164	1-165-319-11	CERAMIC CHIP 0.1uF 50V			
C165	1-119-827-11	ELECT 47uF 20% 50V			
C166	1-119-827-11	ELECT 47uF 20% 50V			
C167	1-119-827-11	ELECT 47uF 20% 50V			
C168	1-119-827-11	ELECT 47uF 20% 50V			
C169	1-119-827-11	ELECT 47uF 20% 50V			
C170	1-119-827-11	ELECT 47uF 20% 50V			
C171	1-119-827-11	ELECT 47uF 20% 50V			
C172	1-119-827-11	ELECT 47uF 20% 50V			
C173	1-136-817-11	FILM 0.0033uF 5% 100V			
C174	1-136-817-11	FILM 0.0033uF 5% 100V			
C175	1-136-817-11	FILM 0.0033uF 5% 100V			
C176	1-136-817-11	FILM 0.0033uF 5% 100V			
C177	1-136-817-11	FILM 0.0033uF 5% 100V			
C178	1-136-817-11	FILM 0.0033uF 5% 100V			
C179	1-136-817-11	FILM 0.0033uF 5% 100V			
C180	1-136-817-11	FILM 0.0033uF 5% 100V			
C181	1-165-319-11	CERAMIC CHIP 0.1uF 50V			
C182	1-119-834-11	ELECT 22uF 20% 63V			
C183	1-119-834-11	ELECT 22uF 20% 63V			
C184	1-119-834-11	ELECT 22uF 20% 63V			
C185	1-119-834-11	ELECT 22uF 20% 63V			
C186	1-119-834-11	ELECT 22uF 20% 63V			
C187	1-119-834-11	ELECT 22uF 20% 63V			
C188	1-119-834-11	ELECT 22uF 20% 63V			
C189	1-119-834-11	ELECT 22uF 20% 63V			
C190	1-119-834-11	ELECT 22uF 20% 63V			
C191	1-119-834-11	ELECT 22uF 20% 63V			
C192	1-119-834-11	ELECT 22uF 20% 63V			
C193	1-119-834-11	ELECT 22uF 20% 63V			
C194	1-119-834-11	ELECT 22uF 20% 63V			
C195	1-119-834-11	ELECT 22uF 20% 63V			
C196	1-119-827-11	ELECT 47uF 20% 50V			
C197	1-119-827-11	ELECT 47uF 20% 50V			
C198	1-119-827-11	ELECT 47uF 20% 50V			
C199	1-119-827-11	ELECT 47uF 20% 50V			
C200	1-119-827-11	ELECT 47uF 20% 50V			
C201	1-119-827-11	ELECT 47uF 20% 50V			
C202	1-119-827-11	ELECT 47uF 20% 50V			
C203	1-119-827-11	ELECT 47uF 20% 50V			

New part of microcomputer (IC3002) and EEPROM (IC3001) on the I. LINK board cannot be used. Therefore, if the mounted I. LINK board (A-4733-835-A) is replaced, exchange new microcomputer and new EEPROM with that used before the replacement.

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
< CONNECTOR >							R110	1-259-995-11	CARBON MELF	1K	2%	1/8W	
CN101	1-770-408-11	CONNECTOR, BOARD TO BOARD 14P					R111	1-259-995-11	CARBON MELF	1K	2%	1/8W	
CN102	1-770-408-11	CONNECTOR, BOARD TO BOARD 14P					R112	1-259-995-11	CARBON MELF	1K	2%	1/8W	
CN103	1-770-405-11	CONNECTOR, BOARD TO BOARD 8P					R113	1-259-995-11	CARBON MELF	1K	2%	1/8W	
CN104	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P					R114	1-259-995-11	CARBON MELF	1K	2%	1/8W	
CN105	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P					R115	1-259-995-11	CARBON MELF	1K	2%	1/8W	
< IC >							R116	1-259-995-11	CARBON MELF	1K	2%	1/8W	
IC101	8-759-835-79	IC TC9274N-016					R117	1-259-995-11	CARBON MELF	1K	2%	1/8W	
IC102	8-759-835-79	IC TC9274N-016					R118	1-259-995-11	CARBON MELF	1K	2%	1/8W	
IC103	8-759-835-78	IC TC9274N-015					R119	1-259-995-11	CARBON MELF	1K	2%	1/8W	
IC105	8-759-835-78	IC TC9274N-015					R120	1-259-999-11	CARBON MELF	2.2K	2%	1/8W	
IC106	8-759-711-85	IC NJM4580E-D					R121	1-259-999-11	CARBON MELF	2.2K	2%	1/8W	
IC107	8-759-711-85	IC NJM4580E-D					R122	1-259-995-11	CARBON MELF	1K	2%	1/8W	
IC108	8-759-711-85	IC NJM4580E-D					R123	1-259-995-11	CARBON MELF	1K	2%	1/8W	
IC109	8-759-711-85	IC NJM4580E-D					R124	1-259-999-11	CARBON MELF	2.2K	2%	1/8W	
IC110	8-759-711-85	IC NJM4580E-D					R125	1-259-999-11	CARBON MELF	2.2K	2%	1/8W	
IC111	8-759-711-85	IC NJM4580E-D					R126	1-259-995-11	CARBON MELF	1K	2%	1/8W	
IC112	8-759-711-85	IC NJM4580E-D					R127	1-260-004-11	CARBON MELF	4.7K	2%	1/8W	
IC113	8-759-708-05	IC NJM78L05A					R128	1-260-004-11	CARBON MELF	4.7K	2%	1/8W	
IC114	8-759-711-85	IC NJM4580E-D					R129	1-260-010-11	CARBON MELF	15K	2%	1/8W	
IC115	8-759-711-85	IC NJM4580E-D					R130	1-260-010-11	CARBON MELF	15K	2%	1/8W	
IC116	8-759-711-85	IC NJM4580E-D					R131	1-260-010-11	CARBON MELF	15K	2%	1/8W	
IC117	8-759-711-85	IC NJM4580E-D					R132	1-260-010-11	CARBON MELF	15K	2%	1/8W	
IC118	8-759-711-85	IC NJM4580E-D					R133	1-260-008-11	CARBON MELF	10K	2%	1/8W	
IC119	8-759-711-85	IC NJM4580E-D					R134	1-260-008-11	CARBON MELF	10K	2%	1/8W	
IC120	8-759-711-85	IC NJM4580E-D					R135	1-260-011-11	CARBON MELF	18K	2%	1/8W	
IC121	8-759-711-85	IC NJM4580E-D					R136	1-260-011-11	CARBON MELF	18K	2%	1/8W	
IC122	8-759-238-47	IC TC74HCT7007AF (EL)					R137	1-260-013-11	CARBON MELF	27K	2%	1/8W	
IC123	8-759-711-85	IC NJM4580E-D					R138	1-260-013-11	CARBON MELF	27K	2%	1/8W	
IC124	8-759-711-85	IC NJM4580E-D					R141	1-260-015-11	CARBON MELF	39K	2%	1/8W	
IC125	8-759-711-85	IC NJM4580E-D					R142	1-260-015-11	CARBON MELF	39K	2%	1/8W	
IC126	8-759-711-85	IC NJM4580E-D					R143	1-260-008-11	CARBON MELF	10K	2%	1/8W	
IC127	8-759-711-85	IC NJM4580E-D					R144	1-260-008-11	CARBON MELF	10K	2%	1/8W	
< JACK >							R148	1-208-437-41	RES-CHIP	1K	2%	1/10W	
J101	1-784-934-11	JACK, PIN 4P (AUDIO TAPE IN/OUT)					R149	1-208-437-41	RES-CHIP	1K	2%	1/10W	
J102	1-785-295-11	JACK, PIN 6P (AUDIO MD/DAT IN, MD/DAT OUT, CD/SACD IN)					R150	1-260-020-11	CARBON MELF	100K	2%	1/8W	
J103	1-784-934-11	JACK, PIN 4P (MULTI CHANNEL IN 1 FRONT, SURROUND)					R151	1-260-008-11	CARBON MELF	10K	2%	1/8W	
J104	1-815-520-11	JACK, PIN 4P (MULTI CHANNEL IN 1 SURR BACK, CENTER, SUB WOOFER)					R152	1-208-437-41	RES-CHIP	1K	2%	1/10W	
J105	1-784-934-11	JACK, PIN 4P (MULTI CHANNEL IN 2 FRONT, SURROUND)					R153	1-260-008-11	CARBON MELF	10K	2%	1/8W	
J106	1-815-520-11	JACK, PIN 4P (MULTI CHANNEL IN 2 SURR BACK, CENTER, SUB WOOFER)					R154	1-259-977-11	CARBON MELF	33	2%	1/8W	
< RESISTOR >							R155	1-259-977-11	CARBON MELF	33	2%	1/8W	
R101	1-259-995-11	CARBON MELF	1K	2%	1/8W	R163	1-208-437-41	RES-CHIP	1K	2%	1/10W		
R102	1-259-995-11	CARBON MELF	1K	2%	1/8W	R164	1-208-437-41	RES-CHIP	1K	2%	1/10W		
R103	1-259-995-11	CARBON MELF	1K	2%	1/8W	R165	1-208-437-41	RES-CHIP	1K	2%	1/10W		
R104	1-259-995-11	CARBON MELF	1K	2%	1/8W	R166	1-208-437-41	RES-CHIP	1K	2%	1/10W		
R105	1-259-995-11	CARBON MELF	1K	2%	1/8W	R167	1-259-977-11	CARBON MELF	33	2%	1/8W		
R106	1-259-995-11	CARBON MELF	1K	2%	1/8W	R168	1-259-977-11	CARBON MELF	33	2%	1/8W		
R107	1-259-995-11	CARBON MELF	1K	2%	1/8W	R169	1-260-008-11	CARBON MELF	10K	2%	1/8W		
R108	1-259-995-11	CARBON MELF	1K	2%	1/8W	R171	1-260-008-11	CARBON MELF	10K	2%	1/8W		
R109	1-259-995-11	CARBON MELF	1K	2%	1/8W	R174	1-208-437-41	RES-CHIP	1K	2%	1/10W		

MAIN

MOTHER

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R175	1-208-437-41	RES-CHIP	1K	2%	1/10W	R238	1-260-008-11	CARBON MELF	10K	2%	1/8W
R178	1-260-020-11	CARBON MELF	100K	2%	1/8W						
R180	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R239	1-260-008-11	CARBON MELF	10K	2%	1/8W
R181	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R240	1-260-008-11	CARBON MELF	10K	2%	1/8W
						R241	1-260-008-11	CARBON MELF	10K	2%	1/8W
R182	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R242	1-260-008-11	CARBON MELF	10K	2%	1/8W
R185	1-260-016-11	CARBON MELF	47K	2%	1/8W	R243	1-260-008-11	CARBON MELF	10K	2%	1/8W
R186	1-216-627-11	METAL CHIP	100	0.5%	1/10W						
R187	1-260-016-11	CARBON MELF	47K	2%	1/8W	R244	1-260-008-11	CARBON MELF	10K	2%	1/8W
R188	1-260-008-11	CARBON MELF	10K	2%	1/8W	R245	1-260-008-11	CARBON MELF	10K	2%	1/8W
						R246	1-260-008-11	CARBON MELF	10K	2%	1/8W
R189	1-260-008-11	CARBON MELF	10K	2%	1/8W	R247	1-260-008-11	CARBON MELF	10K	2%	1/8W
R190	1-260-016-11	CARBON MELF	47K	2%	1/8W	R248	1-260-008-11	CARBON MELF	10K	2%	1/8W
R191	1-260-016-11	CARBON MELF	47K	2%	1/8W						
R192	1-260-016-11	CARBON MELF	47K	2%	1/8W	R249	1-260-008-11	CARBON MELF	10K	2%	1/8W
R193	1-260-016-11	CARBON MELF	47K	2%	1/8W	R250	1-260-013-11	CARBON MELF	27K	2%	1/8W
						R251	1-260-013-11	CARBON MELF	27K	2%	1/8W
R194	1-260-016-11	CARBON MELF	47K	2%	1/8W	R252	1-260-008-11	CARBON MELF	10K	2%	1/8W
R195	1-260-016-11	CARBON MELF	47K	2%	1/8W	R253	1-260-008-11	CARBON MELF	10K	2%	1/8W
R196	1-260-016-11	CARBON MELF	47K	2%	1/8W						
R197	1-260-016-11	CARBON MELF	47K	2%	1/8W	R254	1-260-016-11	CARBON MELF	47K	2%	1/8W
R198	1-260-002-11	CARBON MELF	3.3K	2%	1/8W	R255	1-260-016-11	CARBON MELF	47K	2%	1/8W
						R256	1-260-016-11	CARBON MELF	47K	2%	1/8W
R199	1-260-002-11	CARBON MELF	3.3K	2%	1/8W	R257	1-260-016-11	CARBON MELF	47K	2%	1/8W
R200	1-260-002-11	CARBON MELF	3.3K	2%	1/8W	R258	1-260-016-11	CARBON MELF	47K	2%	1/8W
R201	1-260-002-11	CARBON MELF	3.3K	2%	1/8W						
R202	1-260-002-11	CARBON MELF	3.3K	2%	1/8W	R259	1-260-016-11	CARBON MELF	47K	2%	1/8W
R203	1-260-002-11	CARBON MELF	3.3K	2%	1/8W	R260	1-260-016-11	CARBON MELF	47K	2%	1/8W
						R261	1-260-016-11	CARBON MELF	47K	2%	1/8W
R204	1-260-002-11	CARBON MELF	3.3K	2%	1/8W	R262	1-260-016-11	CARBON MELF	47K	2%	1/8W
R205	1-260-002-11	CARBON MELF	3.3K	2%	1/8W	R263	1-260-016-11	CARBON MELF	47K	2%	1/8W
R206	1-259-979-11	CARBON MELF	47	2%	1/8W						
R207	1-259-979-11	CARBON MELF	47	2%	1/8W	R264	1-260-016-11	CARBON MELF	47K	2%	1/8W
R208	1-259-979-11	CARBON MELF	47	2%	1/8W	R265	1-260-016-11	CARBON MELF	47K	2%	1/8W
						R266	1-260-016-11	CARBON MELF	47K	2%	1/8W
R209	1-259-979-11	CARBON MELF	47	2%	1/8W	R267	1-260-016-11	CARBON MELF	47K	2%	1/8W
R210	1-259-979-11	CARBON MELF	47	2%	1/8W	*****					
R211	1-259-979-11	CARBON MELF	47	2%	1/8W		A-4733-848-A	MOTHER BOARD, COMPLETE (TW, KR)			
R212	1-259-979-11	CARBON MELF	47	2%	1/8W		A-4733-869-A	MOTHER BOARD, COMPLETE (AEP)			
R213	1-259-979-11	CARBON MELF	47	2%	1/8W			*****			
R214	1-259-995-11	CARBON MELF	1K	2%	1/8W						
R215	1-260-008-11	CARBON MELF	10K	2%	1/8W		1-533-217-41	HOLDER, FUSE			
R216	1-259-995-11	CARBON MELF	1K	2%	1/8W	*	3-309-144-21	HEAT SINK			
R217	1-260-008-11	CARBON MELF	10K	2%	1/8W	*	4-941-237-01	HEAT SINK			
R218	1-259-995-11	CARBON MELF	1K	2%	1/8W		4-974-510-11	SCREW (+BV 3X8 CU)			
R219	1-260-008-11	CARBON MELF	10K	2%	1/8W			< CAPACITOR >			
R220	1-259-995-11	CARBON MELF	1K	2%	1/8W						
R221	1-260-008-11	CARBON MELF	10K	2%	1/8W	C802	1-119-803-11	ELECT	470uF	20%	25V
R222	1-259-995-11	CARBON MELF	1K	2%	1/8W	C807	1-100-621-11	ELECT	470uF	20%	10V
R223	1-260-008-11	CARBON MELF	10K	2%	1/8W	C809	1-119-815-21	ELECT	2200uF	20%	35V
						C810	1-119-803-11	ELECT	470uF	20%	25V
R224	1-259-995-11	CARBON MELF	1K	2%	1/8W	C811	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R225	1-260-008-11	CARBON MELF	10K	2%	1/8W						
R226	1-259-995-11	CARBON MELF	1K	2%	1/8W	C812	1-119-803-11	ELECT	470uF	20%	25V
R227	1-260-008-11	CARBON MELF	10K	2%	1/8W	C813	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R228	1-259-995-11	CARBON MELF	1K	2%	1/8W	C814	1-119-815-21	ELECT	2200uF	20%	35V
						C815	1-119-796-21	ELECT	4700uF	20%	16V
R229	1-260-008-11	CARBON MELF	10K	2%	1/8W	C816	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R230	1-259-979-11	CARBON MELF	47	2%	1/8W						
R231	1-259-979-11	CARBON MELF	47	2%	1/8W	C817	1-100-621-11	ELECT	470uF	20%	10V
R232	1-259-979-11	CARBON MELF	47	2%	1/8W	C818	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R233	1-259-979-11	CARBON MELF	47	2%	1/8W	C819	1-100-621-11	ELECT	470uF	20%	10V
						C820	1-119-796-21	ELECT	4700uF	20%	16V
R234	1-259-979-11	CARBON MELF	47	2%	1/8W	C821	1-100-621-11	ELECT	470uF	20%	10V
R235	1-259-979-11	CARBON MELF	47	2%	1/8W						
R236	1-259-979-11	CARBON MELF	47	2%	1/8W	C822	1-100-621-11	ELECT	470uF	20%	10V
R237	1-259-979-11	CARBON MELF	47	2%	1/8W	C823	1-165-319-11	CERAMIC CHIP	0.1uF		50V

MOTHER

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C824	1-128-860-11	ELECT	47uF	20%	50V	C913	1-137-150-11	FILM	0.01uF	5%	100V
C825	1-128-860-11	ELECT	47uF	20%	50V	C914	1-135-770-91	ELECT	47uF		63V
C826	1-128-873-91	ELECT	220uF	20%	63V	C915	1-135-770-91	ELECT	47uF		63V
C827	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C917	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C828	1-128-860-11	ELECT	47uF	20%	50V	C918	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C829	1-100-621-11	ELECT	470uF	20%	10V	C919	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C830	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C920	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C832	1-135-669-11	ELECT	470uF		10V	C921	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C835	1-100-599-11	ELECT (BLOCK)	6800uF	20%	71V	C925	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C838	1-135-734-51	ELECT	1000uF		100V	C926	1-137-150-11	FILM	0.01uF	5%	100V
C840	1-100-599-11	ELECT (BLOCK)	6800uF	20%	71V	C927	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C841	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C928	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C843	1-165-319-11	CERAMIC CHIP	0.1uF		50V	< CONNECTOR >					
C846	1-163-101-00	CERAMIC CHIP	22PF	5%	50V	CN803	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
C853	1-100-621-11	ELECT	470uF	20%	10V	CN806	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
C854	1-100-621-11	ELECT	470uF	20%	10V	CN807	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
C856	1-100-621-11	ELECT	470uF	20%	10V	CN809	1-564-510-11	PLUG (MICRO CONNECTOR) 6P			
C857	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CN815	1-770-722-11	CONNECTOR, BOARD TO BOARD 6P			
C858	1-100-621-11	ELECT	470uF	20%	10V	CN816	1-770-722-11	CONNECTOR, BOARD TO BOARD 6P			
C859	1-135-703-91	ELECT	22uF		25V	CN820	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
C860	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CN823	1-691-769-11	PLUG (MICRO CONNECTOR) 7P			
C861	1-100-621-11	ELECT	470uF	20%	10V	* CN824	1-766-957-11	CONNECTOR, BOARD TO BOARD 20P			
C862	1-135-703-91	ELECT	22uF		25V	* CN827	1-564-243-11	PIN, CONNECTOR (3.96mm PITCH) 6P			
C863	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CN829	1-691-769-21	PLUG (MICRO CONNECTOR) 7P			
C868	1-100-621-11	ELECT	470uF	20%	10V	CNS801	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
C869	1-100-621-11	ELECT	470uF	20%	10V	CNS802	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
C870	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS803	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P			
C871	1-100-621-11	ELECT	470uF	20%	10V	CNS804	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P			
C872	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS805	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
C873	1-100-621-11	ELECT	470uF	20%	10V	CNS806	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P			
C874	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS807	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P			
C880	1-163-101-00	CERAMIC CHIP	22PF	5%	50V	CNS808	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P			
C881	1-135-760-51	ELECT	1000uF		50V	CNS809	1-770-380-11	CONNECTOR, BOARD TO BOARD 8P			
C884	1-100-598-11	MYLAR	1uF	5%	250V	CNS810	1-770-383-11	CONNECTOR, BOARD TO BOARD 14P			
C887	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS811	1-770-383-11	CONNECTOR, BOARD TO BOARD 14P			
C888	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS812	1-770-383-11	CONNECTOR, BOARD TO BOARD 14P			
C889	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS813	1-770-383-11	CONNECTOR, BOARD TO BOARD 14P			
C890	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS814	1-770-380-11	CONNECTOR, BOARD TO BOARD 8P			
C891	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS815	1-770-380-11	CONNECTOR, BOARD TO BOARD 8P			
C892	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS816	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P			
C893	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS817	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
C894	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS818	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P			
C895	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS819	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
C896	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS820	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P			
C897	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS821	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
C898	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS822	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P			
C899	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS823	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P			
C900	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS824	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P			
C901	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS825	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
C902	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CNS826	1-770-382-11	CONNECTOR, BOARD TO BOARD 12P			
C903	1-165-319-11	CERAMIC CHIP	0.1uF		50V	< DIODE >					
C904	1-165-319-11	CERAMIC CHIP	0.1uF		50V	D802	8-719-510-53	DIODE D4SB60L			
C907	1-165-319-11	CERAMIC CHIP	0.1uF		50V	D806	8-719-302-38	DIODE RBV-602-01			
C908	1-165-319-11	CERAMIC CHIP	0.1uF		50V	D807	8-719-053-18	DIODE 1SR154-400TE-25			
C909	1-100-621-11	ELECT	470uF	20%	10V	D808	8-719-053-18	DIODE 1SR154-400TE-25			
C910	1-135-665-91	ELECT	47uF		10V	D809	8-719-083-85	DIODE UDZSTE-1722B			
C911	1-135-681-91	ELECT	100uF		25V						
C912	1-137-150-11	FILM	0.01uF	5%	100V						

MOTHER

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D810	8-719-053-18	DIODE 1SR154-400TE-25		Q809	8-729-216-31	TRANSISTOR 2SA1163-G	
D811	8-719-053-18	DIODE 1SR154-400TE-25		Q810	8-729-216-31	TRANSISTOR 2SA1163-G	
D812	8-719-053-18	DIODE 1SR154-400TE-25		Q811	8-729-216-31	TRANSISTOR 2SA1163-G	
D813	8-719-070-30	DIODE PTZ-TE25-5.6A		Q812	8-729-271-31	TRANSISTOR 2SC2713-G	
D814	8-719-053-18	DIODE 1SR154-400TE-25					
D815	8-719-053-18	DIODE 1SR154-400TE-25		Q813	8-729-271-31	TRANSISTOR 2SC2713-G	
D816	8-719-053-18	DIODE 1SR154-400TE-25		Q814	8-729-271-31	TRANSISTOR 2SC2713-G	
D818	8-719-016-74	DIODE 1SS352		Q815	8-729-271-31	TRANSISTOR 2SC2713-G	
D837	8-719-083-67	DIODE UDZSTE-1720B		Q817	8-729-017-06	TRANSISTOR 2SC4793	
D838	8-719-053-18	DIODE 1SR154-400TE-25		Q820	8-729-271-31	TRANSISTOR 2SC2713-G	
D839	8-719-053-18	DIODE 1SR154-400TE-25					
D840	8-719-016-74	DIODE 1SS352		Q821	8-729-271-31	TRANSISTOR 2SC2713-G	
D841	8-719-016-74	DIODE 1SS352		Q824	8-729-271-31	TRANSISTOR 2SC2713-G	
D842	8-719-016-74	DIODE 1SS352		Q825	8-729-017-05	TRANSISTOR 2SA1837	
D843	8-719-016-74	DIODE 1SS352		Q826	8-729-271-31	TRANSISTOR 2SC2713-G	
D844	8-719-016-74	DIODE 1SS352		Q827	8-729-232-69	FET 2SK208-GR3	
D845	8-719-016-74	DIODE 1SS352					
D846	8-719-073-69	DIODE PTZ-TE25-6.2A		Q828	8-729-271-31	TRANSISTOR 2SC2713-G	
D847	8-719-073-69	DIODE PTZ-TE25-6.2A		Q829	8-729-271-31	TRANSISTOR 2SC2713-G	
< EARTH TERMINAL >				Q833	8-729-027-38	TRANSISTOR DTA144EKA-T146	
EP803	1-537-770-21	TERMINAL BOARD, GROUND		Q834	8-729-216-31	TRANSISTOR 2SA1163-G	
EP804	1-537-770-21	TERMINAL BOARD, GROUND		Q836	8-729-271-31	TRANSISTOR 2SC2713-G	
< FERRITE BEAD >				Q837	8-729-271-31	TRANSISTOR 2SC2713-G	
FB801	1-469-152-11	FERRITE, EMI (SMD) (2012)		< RESISTOR >			
FB802	1-469-152-11	FERRITE, EMI (SMD) (2012)		△ R801	1-249-401-11	CARBON 47 5% 1/4W F	
FB803	1-469-152-11	FERRITE, EMI (SMD) (2012)		△ R802	1-260-292-11	CARBON 1 5% 1/2W F	
FB804	1-469-152-11	FERRITE, EMI (SMD) (2012)		R803	1-208-449-41	RES-CHIP 3.3K 2% 1/10W	
< IC >				R804	1-208-518-41	RES-CHIP 22K 2% 1/10W	
IC802	8-759-394-35	IC BA12T		R805	1-216-673-11	METAL CHIP 8.2K 0.5% 1/10W	
IC804	8-759-450-47	IC BA05T					
IC806	8-759-394-35	IC BA12T		R806	1-208-437-41	RES-CHIP 1K 2% 1/10W	
IC807	8-759-245-86	IC TA79012S		R807	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
IC808	8-759-450-47	IC BA05T		R808	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
IC809	8-759-245-79	IC TA79005S		R809	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
IC810	8-759-450-47	IC BA05T		R810	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
IC811	8-759-445-59	IC BA033T		△ R811	1-212-934-00	FUSIBLE 1 5% 1/2W F	
IC812	8-759-445-59	IC BA033T		△ R812	1-212-934-00	FUSIBLE 1 5% 1/2W F	
IC813	8-759-450-47	IC BA05T		R813	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
IC816	8-759-636-55	IC M5218AFP		R814	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
IC817	8-759-545-66	IC NJM3414AMP (TE2)		△ R815	1-249-417-11	CARBON 1K 5% 1/4W F	
IC818	8-759-545-66	IC NJM3414AMP (TE2)		△ R816	1-249-417-11	CARBON 1K 5% 1/4W F	
IC819	6-700-942-01	IC M62342FP		R819	1-208-462-41	RES-CHIP 10K 2% 1/10W	
IC820	8-759-445-59	IC BA033T		R820	1-208-462-41	RES-CHIP 10K 2% 1/10W	
IC821	8-759-450-47	IC BA05T		R823	1-216-635-11	METAL CHIP 220 0.5% 1/10W	
IC822	8-759-701-59	IC NJM78M09FA		R824	1-208-449-41	RES-CHIP 3.3K 2% 1/10W	
IC823	8-759-604-49	IC M5F7909L		△ R825	1-215-869-11	METAL OXIDE 1K 5% 1W F	
IC825	8-759-450-47	IC BA05T		△ R826	1-215-869-11	METAL OXIDE 1K 5% 1W F	
< TRANSISTOR >				R829	1-208-437-41	RES-CHIP 1K 2% 1/10W	
Q801	8-729-140-96	TRANSISTOR 2SD774-34		R830	1-208-462-41	RES-CHIP 10K 2% 1/10W	
Q802	8-729-209-15	TRANSISTOR 2SD2012		R832	1-208-437-41	RES-CHIP 1K 2% 1/10W	
Q803	8-729-900-53	TRANSISTOR DTC114EK		R833	1-208-462-41	RES-CHIP 10K 2% 1/10W	
Q804	8-729-140-96	TRANSISTOR 2SD774-34		R838	1-208-437-41	RES-CHIP 1K 2% 1/10W	
Q805	8-729-027-23	TRANSISTOR DTA114EKA-T146		R839	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
Q806	8-729-140-93	TRANSISTOR 2SB733-34		R840	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
				R841	1-208-437-41	RES-CHIP 1K 2% 1/10W	
				R842	1-216-657-11	METAL CHIP 1.8K 0.5% 1/10W	
				R843	1-249-818-11	CARBON 4.7K 1% 1/2W	
				R844	1-211-960-11	METAL CHIP 22 0.5% 1/10W	
				R845	1-208-449-41	RES-CHIP 3.3K 2% 1/10W	
				R848	1-211-960-11	METAL CHIP 22 0.5% 1/10W	

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

MOTHER

POWER

PREOUT

Ref. No.	Part No.	Description			Remark
R849	1-208-437-41	RES-CHIP	1K	2%	1/10W
R850	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R851	1-208-462-41	RES-CHIP	10K	2%	1/10W
R852	1-208-462-41	RES-CHIP	10K	2%	1/10W
R853	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R854	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R855	1-259-341-81	CARBON	36K	1%	1/2W
R856	1-208-462-41	RES-CHIP	10K	2%	1/10W
R857	1-208-437-41	RES-CHIP	1K	2%	1/10W
R858	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R859	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R860	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R861	1-208-462-41	RES-CHIP	10K	2%	1/10W
R862	1-208-437-41	RES-CHIP	1K	2%	1/10W
R863	1-208-462-41	RES-CHIP	10K	2%	1/10W
R864	1-259-341-81	CARBON	36K	1%	1/2W
R865	1-208-462-41	RES-CHIP	10K	2%	1/10W
R866	1-208-437-41	RES-CHIP	1K	2%	1/10W
R867	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R868	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R869	1-260-028-11	CARBON MELF	470K	2%	1/8W
R870	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R871	1-260-028-11	CARBON MELF	470K	2%	1/8W
R872	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R873	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R875	1-259-939-11	CARBON MELF	24K	2%	1/8W
R876	1-208-462-41	RES-CHIP	10K	2%	1/10W
R877	1-259-317-81	CARBON	3.6K	1%	1/2W
R878	1-259-317-81	CARBON	3.6K	1%	1/2W
R887	1-208-462-41	RES-CHIP	10K	2%	1/10W
R891	1-260-014-11	CARBON MELF	33K	2%	1/8W
R895	1-208-437-41	RES-CHIP	1K	2%	1/10W
R896	1-208-462-41	RES-CHIP	10K	2%	1/10W
R897	1-208-558-41	RES-CHIP	1M	2%	1/10W
R898	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R899	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R900	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R901	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
△ R904	1-249-417-11	CARBON	1K	5%	1/4W F
△ R906	1-249-417-11	CARBON	1K	5%	1/4W F

1-688-672-11 POWER BOARD

< SWITCH >

S701 1-771-349-21 SWITCH, KEYBOARD (I/⏻)

A-4733-810-A PREOUT BOARD, COMPLETE

< CAPACITOR >

C1201	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1202	1-119-825-41	ELECT	22uF	20%	50V
C1203	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1204	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1205	1-163-038-00	CERAMIC CHIP	0.1uF		25V

C1206	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
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Ref. No.	Part No.	Description			Remark
C1207	1-119-825-41	ELECT	22uF	20%	50V
C1208	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1209	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1210	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1211	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1212	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1214	1-137-429-11	MYLAR	270PF	5%	50V
C1215	1-137-429-11	MYLAR	270PF	5%	50V
C1216	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1218	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1220	1-137-429-11	MYLAR	270PF	5%	50V
C1221	1-137-429-11	MYLAR	270PF	5%	50V
C1222	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1224	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1226	1-137-429-11	MYLAR	270PF	5%	50V
C1227	1-137-429-11	MYLAR	270PF	5%	50V
C1228	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1230	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1232	1-137-429-11	MYLAR	270PF	5%	50V
C1233	1-137-429-11	MYLAR	270PF	5%	50V
C1234	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1236	1-119-850-11	ELECT	10uF	20%	100V
C1237	1-119-850-11	ELECT	10uF	20%	100V
C1238	1-119-850-11	ELECT	10uF	20%	100V
C1239	1-119-850-11	ELECT	10uF	20%	100V
C1240	1-119-850-11	ELECT	10uF	20%	100V
C1241	1-119-850-11	ELECT	10uF	20%	100V
C1242	1-119-850-11	ELECT	10uF	20%	100V
C1243	1-119-850-11	ELECT	10uF	20%	100V

< CONNECTOR >

CN1201	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P
CN1202	1-779-799-11	PIN, CONNECTOR 9P
CN1203	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P

< IC >

IC1201	8-759-238-47	IC TC74HCT7007AF (EL)
IC1202	8-759-590-10	IC TC9273F-012 (EL)
IC1203	8-759-711-85	IC NJM4580E-D
IC1204	8-759-711-85	IC NJM4580E-D
IC1205	8-759-835-79	IC TC9274N-016

IC1206	8-759-711-85	IC NJM4580E-D
IC1207	8-759-711-85	IC NJM4580E-D
IC1208	8-759-711-85	IC NJM4580E-D
IC1209	8-759-711-85	IC NJM4580E-D

< RESISTOR >

R1201	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1202	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1203	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1204	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1205	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1206	1-260-008-11	CARBON MELF	10K	2%	1/8W
R1207	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1208	1-260-008-11	CARBON MELF	10K	2%	1/8W
R1209	1-260-008-11	CARBON MELF	10K	2%	1/8W
R1210	1-260-008-11	CARBON MELF	10K	2%	1/8W

R1212	1-208-437-41	RES-CHIP	1K	2%	1/10W
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The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

PREOUT

RCOIL

Ref. No.	Part No.	Description	Remark
R1213	1-259-977-11	CARBON MELF 33 2%	1/8W
R1214	1-259-977-11	CARBON MELF 33 2%	1/8W
R1215	1-208-437-41	RES-CHIP 1K 2%	1/10W
R1216	1-260-004-11	CARBON MELF 4.7K 2%	1/8W
R1217	1-260-010-11	CARBON MELF 15K 2%	1/8W
R1218	1-208-437-41	RES-CHIP 1K 2%	1/10W
R1219	1-260-008-11	CARBON MELF 10K 2%	1/8W
R1220	1-260-008-11	CARBON MELF 10K 2%	1/8W
R1221	1-260-008-11	CARBON MELF 10K 2%	1/8W
R1222	1-260-010-11	CARBON MELF 15K 2%	1/8W
R1223	1-260-008-11	CARBON MELF 10K 2%	1/8W
R1225	1-208-437-41	RES-CHIP 1K 2%	1/10W
R1226	1-259-977-11	CARBON MELF 33 2%	1/8W
R1227	1-259-977-11	CARBON MELF 33 2%	1/8W
R1228	1-208-437-41	RES-CHIP 1K 2%	1/10W
R1229	1-208-437-41	RES-CHIP 1K 2%	1/10W
R1230	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1232	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1233	1-260-010-11	CARBON MELF 15K 2%	1/8W
R1234	1-260-007-11	CARBON MELF 8.2K 2%	1/8W
R1235	1-260-007-11	CARBON MELF 8.2K 2%	1/8W
R1236	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1237	1-260-010-11	CARBON MELF 15K 2%	1/8W
R1239	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1240	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1242	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1243	1-260-010-11	CARBON MELF 15K 2%	1/8W
R1244	1-260-007-11	CARBON MELF 8.2K 2%	1/8W
R1245	1-260-007-11	CARBON MELF 8.2K 2%	1/8W
R1246	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1247	1-260-010-11	CARBON MELF 15K 2%	1/8W
R1249	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1250	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1252	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1253	1-260-010-11	CARBON MELF 15K 2%	1/8W
R1254	1-260-007-11	CARBON MELF 8.2K 2%	1/8W
R1255	1-260-007-11	CARBON MELF 8.2K 2%	1/8W
R1256	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1257	1-260-010-11	CARBON MELF 15K 2%	1/8W
R1259	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1260	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1262	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1263	1-260-010-11	CARBON MELF 15K 2%	1/8W
R1264	1-260-007-11	CARBON MELF 8.2K 2%	1/8W
R1265	1-260-007-11	CARBON MELF 8.2K 2%	1/8W
R1266	1-259-995-11	CARBON MELF 1K 2%	1/8W
R1267	1-260-010-11	CARBON MELF 15K 2%	1/8W
R1269	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1270	1-259-983-11	CARBON MELF 100 2%	1/8W
R1271	1-259-983-11	CARBON MELF 100 2%	1/8W
R1272	1-259-983-11	CARBON MELF 100 2%	1/8W
R1273	1-259-983-11	CARBON MELF 100 2%	1/8W
R1274	1-259-983-11	CARBON MELF 100 2%	1/8W
R1275	1-259-983-11	CARBON MELF 100 2%	1/8W
R1276	1-259-983-11	CARBON MELF 100 2%	1/8W
R1277	1-259-983-11	CARBON MELF 100 2%	1/8W

Ref. No.	Part No.	Description	Remark
	A-4733-771-A	RCOIL BOARD, COMPLETE	

		< CAPACITOR >	
C1674	1-100-598-11	MYLAR 1uF 5%	250V
C1675	1-100-598-11	MYLAR 1uF 5%	250V
C1676	1-100-598-11	MYLAR 1uF 5%	250V
C1677	1-100-598-11	MYLAR 1uF 5%	250V
C1678	1-100-598-11	MYLAR 1uF 5%	250V
C1679	1-100-598-11	MYLAR 1uF 5%	250V
C1680	1-100-598-11	MYLAR 1uF 5%	250V
C1681	1-100-598-11	MYLAR 1uF 5%	250V
C1718	1-100-153-11	CERAMIC CHIP 220PF 5%	100V
C1719	1-100-153-11	CERAMIC CHIP 220PF 5%	100V
C1720	1-100-153-11	CERAMIC CHIP 220PF 5%	100V
C1721	1-100-153-11	CERAMIC CHIP 220PF 5%	100V
C1726	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1727	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1728	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1729	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1734	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1735	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1736	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1737	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1742	1-100-158-11	CERAMIC CHIP 1000PF 5%	100V
C1743	1-100-158-11	CERAMIC CHIP 1000PF 5%	100V
C1744	1-100-158-11	CERAMIC CHIP 1000PF 5%	100V
C1745	1-100-158-11	CERAMIC CHIP 1000PF 5%	100V
C1748	1-100-153-11	CERAMIC CHIP 220PF 5%	100V
C1749	1-100-153-11	CERAMIC CHIP 220PF 5%	100V
C1750	1-100-153-11	CERAMIC CHIP 220PF 5%	100V
C1751	1-100-153-11	CERAMIC CHIP 220PF 5%	100V
C1754	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1755	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1756	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1757	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1760	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1761	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1762	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1763	1-100-155-11	CERAMIC CHIP 470PF 5%	100V
C1766	1-100-158-11	CERAMIC CHIP 1000PF 5%	100V
C1767	1-100-158-11	CERAMIC CHIP 1000PF 5%	100V
C1768	1-100-158-11	CERAMIC CHIP 1000PF 5%	100V
C1769	1-100-158-11	CERAMIC CHIP 1000PF 5%	100V
		< CONNECTOR >	
* CN1512	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P	
* CN1516	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P	
		< EARTH TERMINAL >	
EP1506	1-537-770-21	TERMINAL BOARD, GROUND	
		< COIL >	
L1507	1-456-411-11	INDUCTOR 10uH	
L1508	1-456-411-11	INDUCTOR 10uH	
L1509	1-456-411-11	INDUCTOR 10uH	
L1510	1-456-411-11	INDUCTOR 10uH	
L1511	1-456-411-11	INDUCTOR 10uH	

RCOIL

RSP

S. F

SUB

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
L1512	1-456-411-11	INDUCTOR	10uH			C1017	1-119-801-11	ELECT	220uF	20%	25V
L1513	1-456-411-11	INDUCTOR	10uH								
L1514	1-456-411-11	INDUCTOR	10uH			C1018	1-119-801-11	ELECT	220uF	20%	25V
< RESISTOR >						C1021	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
						C1022	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
						C1023	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R1735	1-249-818-11	CARBON	4.7K	1%	1/2W	C1024	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R1736	1-249-818-11	CARBON	4.7K	1%	1/2W						
R1737	1-249-818-11	CARBON	4.7K	1%	1/2W	C1026	1-119-823-11	ELECT	4.7uF	20%	50V
R1738	1-249-818-11	CARBON	4.7K	1%	1/2W	C1027	1-119-823-11	ELECT	4.7uF	20%	50V
*****						C1037	1-119-825-11	ELECT	22uF	20%	50V
A-4733-833-A RSP BOARD, COMPLETE						C1038	1-119-825-11	ELECT	22uF	20%	50V
*****						C1044	1-119-825-11	ELECT	22uF	20%	50V
< CAPACITOR >						C1047	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
						C1048	1-119-825-11	ELECT	22uF	20%	50V
						C1049	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C626	1-100-154-11	CERAMIC CHIP	330PF	5%	100V	C1050	1-119-825-11	ELECT	22uF	20%	50V
C627	1-100-154-11	CERAMIC CHIP	330PF	5%	100V	C1051	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C631	1-100-154-11	CERAMIC CHIP	330PF	5%	100V						
C632	1-100-154-11	CERAMIC CHIP	330PF	5%	100V	C1052	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C638	1-100-154-11	CERAMIC CHIP	330PF	5%	100V	C1053	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
						C1054	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C639	1-100-154-11	CERAMIC CHIP	330PF	5%	100V	C1055	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C640	1-100-154-11	CERAMIC CHIP	330PF	5%	100V	C1056	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C641	1-100-154-11	CERAMIC CHIP	330PF	5%	100V						
< CONNECTOR >						C1057	1-119-825-11	ELECT	22uF	20%	50V
						C1058	1-119-825-11	ELECT	22uF	20%	50V
* CN603	1-564-674-11	PIN, CONNECTOR (3.96mm PITCH) 8P				C1059	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
< TERMINAL >						C1060	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
						C1061	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
TM602	1-780-032-11	TERMINAL BOARD (SP) (8P)				C1062	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
(SPEAKERS SURROUND)						C1063	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
*****						C1064	1-119-825-11	ELECT	22uF	20%	50V
A-4733-775-A S. F BOARD, COMPLETE						C1065	1-119-825-11	ELECT	22uF	20%	50V
*****						C1066	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
< RESISTOR >						C1067	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
						C1068	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R746	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	C1069	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
R747	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	C1070	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R752	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	C1071	1-119-825-11	ELECT	22uF	20%	50V
< SWITCH >						C1072	1-119-825-11	ELECT	22uF	20%	50V
						C1073	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
S712	1-771-349-21	SWITCH, KEYBOARD (2CH)				C1074	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
S713	1-771-349-21	SWITCH, KEYBOARD (A. F. D)				C1075	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
S714	1-771-349-21	SWITCH, KEYBOARD (MOVIE)				C1076	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
S715	1-771-349-21	SWITCH, KEYBOARD (MUSIC)									
*****						C1077	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
A-4733-790-A SUB BOARD, COMPLETE						C1078	1-119-825-11	ELECT	22uF	20%	50V
*****						C1079	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
< CAPACITOR >						C1080	1-119-825-11	ELECT	22uF	20%	50V
						C1081	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1001	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C1082	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1002	1-119-799-11	ELECT	47uF	20%	25V	C1083	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1003	1-119-799-11	ELECT	47uF	20%	25V	C1084	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C1004	1-119-824-31	ELECT	10uF	20%	50V	C1085	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1005	1-119-824-31	ELECT	10uF	20%	50V	C1086	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1011	1-137-471-11	MYLAR	0.016uF	5%	50V	C1087	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1012	1-137-471-11	MYLAR	0.016uF	5%	50V	C1088	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1013	1-136-162-00	MYLAR	0.056uF	5%	50V	C1089	1-119-825-11	ELECT	22uF	20%	50V
C1014	1-136-162-00	MYLAR	0.056uF	5%	50V	C1090	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
						C1091	1-119-825-11	ELECT	22uF	20%	50V
						C1092	1-163-251-11	CERAMIC CHIP	100PF	5%	50V

SUB

Ref. No.	Part No.	Description	Remark		
C1093	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C1094	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1095	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1096	1-119-825-11	ELECT	22uF	20%	50V
C1101	1-119-825-11	ELECT	22uF	20%	50V
C1102	1-119-825-11	ELECT	22uF	20%	50V
< CONNECTOR >					
CN1001	1-770-405-11	CONNECTOR, BOARD TO BOARD 8P			
CN1002	1-770-408-11	CONNECTOR, BOARD TO BOARD 14P			
CN1003	1-770-408-11	CONNECTOR, BOARD TO BOARD 14P			
CN1005	1-779-978-11	PIN, CONNECTOR 3P			
CN1006	1-770-407-11	CONNECTOR, BOARD TO BOARD 12P			
< DIODE >					
D1003	8-719-016-74	DIODE 1SS352			
< IC >					
IC1001	8-759-238-47	IC TC74HCT7007AF (EL)			
IC1002	8-759-711-85	IC NJM4580E-D			
IC1005	8-759-233-44	IC TC74HC595AF			
IC1006	8-759-711-85	IC NJM4580E-D			
IC1009	8-759-711-85	IC NJM4580E-D			
IC1010	8-759-835-78	IC TC9274N-015			
IC1011	8-759-711-85	IC NJM4580E-D			
IC1012	8-759-711-85	IC NJM4580E-D			
IC1013	8-759-711-85	IC NJM4580E-D			
IC1014	8-759-711-85	IC NJM4580E-D			
IC1015	8-759-835-78	IC TC9274N-015			
IC1016	8-759-711-85	IC NJM4580E-D			
IC1017	8-759-711-85	IC NJM4580E-D			
IC1018	8-759-711-85	IC NJM4580E-D			
< JACK >					
J1001	1-784-934-11	JACK, PIN 4P (AUDIO PHONO IN, TUNER IN)			
J1002	1-784-934-11	JACK, PIN 4P (VIDEO AUDIO TV/SAT IN, DVD IN)			
J1003	1-784-934-11	JACK, PIN 4P (VIDEO AUDIO LD IN, VIDEO 4 IN)			
J1004	1-784-934-11	JACK, PIN 4P (VIDEO AUDIO VIDEO 3 IN, VIDEO 3 OUT)			
J1005	1-784-934-11	JACK, PIN 4P (VIDEO AUDIO VIDEO 2 IN, VIDEO 2 OUT)			
J1006	1-784-934-11	JACK, PIN 4P (VIDEO AUDIO VIDEO 1 IN, VIDEO 1 OUT)			
< TRANSISTOR >					
Q1001	8-729-421-19	TRANSISTOR	UN2213		
Q1002	8-729-424-08	TRANSISTOR	UN2111		
Q1003	8-729-421-19	TRANSISTOR	UN2213		
Q1004	8-729-424-08	TRANSISTOR	UN2111		
Q1005	8-729-421-19	TRANSISTOR	UN2213		
Q1006	8-729-424-08	TRANSISTOR	UN2111		
< RESISTOR >					
R1001	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1002	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1003	1-216-627-11	METAL CHIP	100	0.5%	1/10W

Ref. No.	Part No.	Description	Remark		
R1004	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1005	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1006	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1007	1-259-987-11	CARBON MELF	220	2%	1/8W
R1008	1-259-983-11	CARBON MELF	100	2%	1/8W
R1009	1-259-983-11	CARBON MELF	100	2%	1/8W
R1010	1-259-987-11	CARBON MELF	220	2%	1/8W
R1011	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1012	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1017	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1018	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1021	1-260-017-11	CARBON MELF	56K	2%	1/8W
R1022	1-260-017-11	CARBON MELF	56K	2%	1/8W
R1023	1-259-984-11	CARBON MELF	120	2%	1/8W
R1024	1-259-984-11	CARBON MELF	120	2%	1/8W
R1030	1-259-996-11	CARBON MELF	1.2K	2%	1/8W
R1031	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1032	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1033	1-259-996-11	CARBON MELF	1.2K	2%	1/8W
R1036	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1037	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1044	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1045	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1053	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1054	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1055	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1056	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1057	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1058	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1061	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1062	1-259-977-11	CARBON MELF	33	2%	1/8W
R1063	1-259-977-11	CARBON MELF	33	2%	1/8W
R1064	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1065	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1066	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1067	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1068	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1069	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1070	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1071	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1072	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1073	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1074	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1075	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1076	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1077	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1078	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1079	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1080	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1081	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R1082	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1083	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R1084	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1085	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1086	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1087	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1088	1-259-999-11	CARBON MELF	2.2K	2%	1/8W

SUB

S-VIDEO

Ref. No.	Part No.	Description			Remark
R1089	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1090	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R1091	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1092	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1093	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1094	1-259-977-11	CARBON MELF	33	2%	1/8W
R1095	1-259-977-11	CARBON MELF	33	2%	1/8W
R1096	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R1097	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1098	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1099	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1100	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R1106	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1107	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1108	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1109	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1110	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R1111	1-216-295-00	SHORT CHIP	0		
< RELAY >					
RY1003	1-755-486-11	RELAY			

A-4733-744-A		S-VIDEO BOARD, COMPLETE			

< CAPACITOR >					
C401	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C402	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C403	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C404	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C405	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C406	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C408	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C409	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C410	1-119-824-11	ELECT	10uF	20%	50V
C412	1-119-824-11	ELECT	10uF	20%	50V
C413	1-119-820-11	ELECT	1uF	20%	50V
C414	1-119-824-11	ELECT	10uF	20%	50V
C416	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C417	1-136-165-00	MYLAR	0.1uF	5%	50V
C418	1-136-165-00	MYLAR	0.1uF	5%	50V
C419	1-136-165-00	MYLAR	0.1uF	5%	50V
C420	1-119-824-11	ELECT	10uF	20%	50V
C421	1-136-165-00	MYLAR	0.1uF	5%	50V
C422	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C423	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C424	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C425	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C426	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C427	1-136-165-00	MYLAR	0.1uF	5%	50V
C428	1-136-165-00	MYLAR	0.1uF	5%	50V
C429	1-119-824-11	ELECT	10uF	20%	50V
C430	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C431	1-136-165-00	MYLAR	0.1uF	5%	50V
C432	1-136-165-00	MYLAR	0.1uF	5%	50V
C433	1-136-165-00	MYLAR	0.1uF	5%	50V
C434	1-136-165-00	MYLAR	0.1uF	5%	50V

Ref. No.	Part No.	Description	Remark
C435	1-119-824-11	ELECT 10uF 20%	50V
C436	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C437	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C439	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C440	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C441	1-119-824-11	ELECT 10uF 20%	50V
C442	1-119-824-11	ELECT 10uF 20%	50V
C443	1-128-832-11	ELECT 220uF 20%	10V
C444	1-119-824-11	ELECT 10uF 20%	50V
C445	1-119-824-11	ELECT 10uF 20%	50V
C446	1-119-824-11	ELECT 10uF 20%	50V
C447	1-119-824-11	ELECT 10uF 20%	50V
C448	1-128-832-11	ELECT 220uF 20%	10V
C449	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C450	1-127-718-91	ELECT 100uF 20%	16V
C451	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C452	1-127-718-91	ELECT 100uF 20%	16V
C453	1-127-718-91	ELECT 100uF 20%	16V
C454	1-127-718-91	ELECT 100uF 20%	16V
C456	1-127-718-91	ELECT 100uF 20%	16V
< CONNECTOR >			
CN401	1-770-412-11	CONNECTOR, BOARD TO BOARD 6P	
CN402	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P	
CN403	1-784-921-11	PIN, CONNECTOR 4P	
< DIODE >			
D401	8-719-016-74	DIODE 1SS352	
< IC >			
IC401	8-759-837-27	IC LA7108M-TLM	
IC402	8-759-837-27	IC LA7108M-TLM	
IC403	8-759-663-94	IC LA7106M-TLM	
IC404	8-759-663-94	IC LA7106M-TLM	
IC405	8-759-711-85	IC NJM4580E-D	
IC406	8-759-009-05	IC MC14051BF	
IC407	8-759-009-05	IC MC14051BF	
IC408	8-759-009-05	IC MC14051BF	
IC409	8-759-009-05	IC MC14051BF	
IC410	8-759-009-05	IC MC14051BF	
IC411	8-759-710-86	IC NJM2233BM	
IC412	8-759-710-86	IC NJM2233BM	
< JACK >			
J401	1-779-801-11	CONNECTOR (ROUND TYPE) (MONITOR OUT S2 VIDEO OUT1, OUT2)	
J402	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO S2 VIDEO DVD IN, TV/SAT IN)	
J403	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO S2 VIDEO VIDEO 4 IN, LD IN)	
J404	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO S2 VIDEO VIDEO 3 OUT, IN)	
J405	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO S2 VIDEO VIDEO 2 OUT, IN)	
J406	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO S2 VIDEO VIDEO 1 OUT, IN)	

S-VIDEO

VIDEO

Ref. No.	Part No.	Description			Remark
< COIL >					
L401	1-410-775-21	INDUCTOR	10mH		
< TRANSISTOR >					
Q401	8-729-421-19	TRANSISTOR	UN2213		
Q402	8-729-424-18	TRANSISTOR	UN2113		
Q403	8-729-421-19	TRANSISTOR	UN2213		
Q404	8-729-424-18	TRANSISTOR	UN2113		
< RESISTOR >					
R401	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R402	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R403	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R404	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R405	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R406	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R407	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R408	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R409	1-208-462-41	RES-CHIP	10K	2%	1/10W
R410	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R411	1-208-462-41	RES-CHIP	10K	2%	1/10W
R412	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R415	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R416	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R418	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R420	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R421	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R422	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R423	1-208-526-41	RES-CHIP	47K	2%	1/10W
R424	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R425	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R426	1-208-526-41	RES-CHIP	47K	2%	1/10W
R427	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R428	1-208-558-41	RES-CHIP	1M	2%	1/10W
R429	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R430	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R431	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R432	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R433	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R434	1-208-526-41	RES-CHIP	47K	2%	1/10W
R435	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R436	1-208-526-41	RES-CHIP	47K	2%	1/10W
R437	1-208-526-41	RES-CHIP	47K	2%	1/10W
R438	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R439	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R440	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R441	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R442	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R443	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R444	1-208-526-41	RES-CHIP	47K	2%	1/10W
R445	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R446	1-208-462-41	RES-CHIP	10K	2%	1/10W
R447	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R449	1-208-462-41	RES-CHIP	10K	2%	1/10W
R450	1-208-462-41	RES-CHIP	10K	2%	1/10W
R451	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R452	1-208-453-41	RES-CHIP	4.7K	2%	1/10W

Ref. No.	Part No.	Description	Remark		
R453	1-216-665-11	METAL CHIP	3.9K	0.5%	1/10W
R454	1-208-462-41	RES-CHIP	10K	2%	1/10W
R455	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R456	1-208-526-41	RES-CHIP	47K	2%	1/10W
R457	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R458	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R460	1-208-526-41	RES-CHIP	47K	2%	1/10W
R461	1-208-526-41	RES-CHIP	47K	2%	1/10W
R462	1-208-526-41	RES-CHIP	47K	2%	1/10W
R464	1-208-526-41	RES-CHIP	47K	2%	1/10W
R465	1-208-526-41	RES-CHIP	47K	2%	1/10W
R466	1-208-526-41	RES-CHIP	47K	2%	1/10W
R467	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R468	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R469	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R470	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R471	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R472	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R474	1-208-526-41	RES-CHIP	47K	2%	1/10W
R475	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R476	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R478	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R479	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R480	1-208-526-41	RES-CHIP	47K	2%	1/10W
R481	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R482	1-208-526-41	RES-CHIP	47K	2%	1/10W
R492	1-208-437-41	RES-CHIP	1K	2%	1/10W
R493	1-208-437-41	RES-CHIP	1K	2%	1/10W
R494	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R495	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R496	1-216-627-11	METAL CHIP	100	0.5%	1/10W

A-4733-743-A VIDEO BOARD, COMPLETE					

< CAPACITOR >					
C301	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C302	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C303	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C304	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C305	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C306	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C307	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C308	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C309	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C310	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C311	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C312	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C313	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C314	1-119-824-11	ELECT	10uF	20%	50V
C315	1-119-824-11	ELECT	10uF	20%	50V
C316	1-119-824-11	ELECT	10uF	20%	50V
C317	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C318	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C319	1-119-824-11	ELECT	10uF	20%	50V
C320	1-119-824-11	ELECT	10uF	20%	50V
C321	1-119-824-11	ELECT	10uF	20%	50V

VIDEO

VOL

VOL. LED

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C322	1-119-824-11	ELECT	10uF 20% 50V	R306	1-216-627-11	METAL CHIP	100 0.5% 1/10W
C323	1-119-824-11	ELECT	10uF 20% 50V	R307	1-216-627-11	METAL CHIP	100 0.5% 1/10W
C324	1-119-824-11	ELECT	10uF 20% 50V	R308	1-216-627-11	METAL CHIP	100 0.5% 1/10W
C325	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	R309	1-216-627-11	METAL CHIP	100 0.5% 1/10W
C326	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	R310	1-216-627-11	METAL CHIP	100 0.5% 1/10W
C327	1-119-824-11	ELECT	10uF 20% 50V	R311	1-216-627-11	METAL CHIP	100 0.5% 1/10W
C328	1-163-243-11	CERAMIC CHIP	47PF 5% 50V	R312	1-216-627-11	METAL CHIP	100 0.5% 1/10W
C329	1-119-824-11	ELECT	10uF 20% 50V	R313	1-216-627-11	METAL CHIP	100 0.5% 1/10W
C330	1-119-824-11	ELECT	10uF 20% 50V	R314	1-216-627-11	METAL CHIP	100 0.5% 1/10W
C331	1-163-243-11	CERAMIC CHIP	47PF 5% 50V	R315	1-216-627-11	METAL CHIP	100 0.5% 1/10W
C332	1-119-824-11	ELECT	10uF 20% 50V	R316	1-216-627-11	METAL CHIP	100 0.5% 1/10W
C333	1-119-824-11	ELECT	10uF 20% 50V	R317	1-216-627-11	METAL CHIP	100 0.5% 1/10W
C334	1-163-243-11	CERAMIC CHIP	47PF 5% 50V	R318	1-208-526-41	RES-CHIP	47K 2% 1/10W
C335	1-119-824-11	ELECT	10uF 20% 50V	R319	1-208-526-41	RES-CHIP	47K 2% 1/10W
C336	1-119-824-11	ELECT	10uF 20% 50V	R320	1-208-526-41	RES-CHIP	47K 2% 1/10W
C337	1-119-824-11	ELECT	10uF 20% 50V	R321	1-208-526-41	RES-CHIP	47K 2% 1/10W
C338	1-128-832-11	ELECT	220uF 20% 10V	R322	1-208-526-41	RES-CHIP	47K 2% 1/10W
C339	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	R323	1-208-755-11	METAL CHIP	75 0.5% 1/10W
C340	1-127-718-91	ELECT	100uF 20% 16V	R324	1-208-526-41	RES-CHIP	47K 2% 1/10W
C341	1-127-718-91	ELECT	100uF 20% 16V	R325	1-208-755-11	METAL CHIP	75 0.5% 1/10W
C342	1-163-275-11	CERAMIC CHIP	0.001uF 5% 50V	R326	1-208-755-11	METAL CHIP	75 0.5% 1/10W
C343	1-163-275-11	CERAMIC CHIP	0.001uF 5% 50V	R327	1-208-462-41	RES-CHIP	10K 2% 1/10W
C344	1-127-718-91	ELECT	100uF 20% 16V	R328	1-208-462-41	RES-CHIP	10K 2% 1/10W
C345	1-127-718-91	ELECT	100uF 20% 16V	R329	1-208-755-11	METAL CHIP	75 0.5% 1/10W
C346	1-127-718-91	ELECT	100uF 20% 16V	R330	1-208-755-11	METAL CHIP	75 0.5% 1/10W
< CONNECTOR >				R331	1-208-755-11	METAL CHIP	75 0.5% 1/10W
CN301	1-770-405-11	CONNECTOR, BOARD TO BOARD 8P		R332	1-208-755-11	METAL CHIP	75 0.5% 1/10W
CN302	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P		R333	1-208-755-11	METAL CHIP	75 0.5% 1/10W
* CN303	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P		R334	1-208-755-11	METAL CHIP	75 0.5% 1/10W
< IC >				R335	1-208-755-11	METAL CHIP	75 0.5% 1/10W
IC301	8-759-238-47	IC TC74HCT7007AF (EL)		R336	1-208-755-11	METAL CHIP	75 0.5% 1/10W
IC302	8-759-233-44	IC TC74HC595AF		R337	1-208-755-11	METAL CHIP	75 0.5% 1/10W
IC303	8-759-233-44	IC TC74HC595AF		R338	1-208-462-41	RES-CHIP	10K 2% 1/10W
IC304	8-759-837-27	IC LA7108M-TLM		R339	1-208-462-41	RES-CHIP	10K 2% 1/10W
IC305	8-759-663-94	IC LA7106M-TLM		R340	1-208-810-11	METAL CHIP	15K 0.5% 1/10W
IC306	8-759-009-05	IC MC14051BF		R347	1-216-651-11	METAL CHIP	1K 0.5% 1/10W
IC307	8-759-009-05	IC MC14051BF		R349	1-216-627-11	METAL CHIP	100 0.5% 1/10W
IC308	8-759-710-86	IC NJM2233BM		*****			
< JACK >				1-688-677-11	VOL BOARD	*****	
J301	1-793-522-11	JACK, PIN 2P		< ROTARY ENCODER >			
J302	1-785-866-21	JACK, PIN 3P		RV703	1-477-382-11	ENCODER, ROTARY (MASTER VOLUME)	
J303	1-793-522-11	JACK, PIN 2P		*****			
J304	1-793-522-11	JACK, PIN 2P		A-4733-741-A	VOL. LED BOARD, COMPLETE	*****	
J305	1-785-866-21	JACK, PIN 3P		< CONNECTOR >			
< RESISTOR >				CNS708	1-568-741-11	SOCKET, CONNECTOR 23P	
R301	1-216-627-11	METAL CHIP	100 0.5% 1/10W	< LED >			
R302	1-216-627-11	METAL CHIP	100 0.5% 1/10W	D723	6-500-475-01	LED SML310BATT86 (ILLUMINATION)	
R303	1-216-627-11	METAL CHIP	100 0.5% 1/10W	D724	6-500-475-01	LED SML310BATT86 (ILLUMINATION)	
R304	1-216-627-11	METAL CHIP	100 0.5% 1/10W	D725	6-500-475-01	LED SML310BATT86 (ILLUMINATION)	
R305	1-216-627-11	METAL CHIP	100 0.5% 1/10W	D726	6-500-475-01	LED SML310BATT86 (ILLUMINATION)	
				D727	6-500-475-01	LED SML310BATT86 (ILLUMINATION)	

VOL. LED

Ref. No.	Part No.	Description	Remark
D728	6-500-475-01	LED SML310BATT86 (ILLUMINATION)	
D729	6-500-475-01	LED SML310BATT86 (ILLUMINATION)	
D730	6-500-475-01	LED SML310BATT86 (ILLUMINATION)	
D731	6-500-475-01	LED SML310BATT86 (ILLUMINATION)	
D732	6-500-475-01	LED SML310BATT86 (ILLUMINATION)	
D733	6-500-475-01	LED SML310BATT86 (ILLUMINATION)	
D734	8-719-067-00	LED SML-210DTT86(ILLUMINATION)	
D735	8-719-067-00	LED SML-210DTT86(ILLUMINATION)	
D736	8-719-067-00	LED SML-210DTT86(ILLUMINATION)	
D737	8-719-067-00	LED SML-210DTT86(ILLUMINATION)	
D738	8-719-067-00	LED SML-210DTT86(ILLUMINATION)	
D739	8-719-067-00	LED SML-210DTT86(ILLUMINATION)	
D740	8-719-067-00	LED SML-210DTT86(ILLUMINATION)	
D741	8-719-067-00	LED SML-210DTT86(ILLUMINATION)	
D742	8-719-067-00	LED SML-210DTT86(ILLUMINATION)	
< RESISTOR >			
R744	1-208-425-41	RES-CHIP 330 2% 1/10W	
R745	1-216-635-11	METAL CHIP 220 0.5% 1/10W	

MISCELLANEOUS			

104	1-773-175-11	WIRE (FLAT TYPE) (23 CORE)	
504	1-543-653-11	CORE ASSY, BEAD (DIVISION TYPE)	
554	1-543-653-11	CORE ASSY, BEAD (DIVISION TYPE)	
556	1-500-021-11	CLAMP, SLEEVE FERRITE	
557	1-500-511-11	CORE, FERRITE	
△ F1	1-532-506-51	FUSE (T6.3A/250V) (AEP, KR)	
△ F1	1-576-379-11	FUSE (15A/250V) (TW)	
△ F2	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
△ F802	1-532-464-51	FUSE (T2.5A/125V) (AEP, KR)	
△ F802	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
△ F803	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
△ F803	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
△ F804	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
△ F804	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
△ F805	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
△ F805	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
△ F806	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
△ F806	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
△ F807	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
△ F807	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
△ F808	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
△ F808	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
△ F809	1-532-464-51	FUSE (T2.5A/250V) (AEP, KR)	
△ F809	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V) (TW)	
Q807	6-550-629-01	FET 2SK1382	
Q808	6-550-629-01	FET 2SK1382	
Q822	8-749-010-25	IC MN2488-OPY-M	
Q823	8-749-010-25	IC MN2488-OPY-M	
△ T1	1-439-818-11	TRANSFORMER, POWER (AEP, KR)	

Ref. No.	Part No.	Description	Remark
△ T1	1-439-876-11	TRANSFORMER, POWER (TW)	
THP1	1-817-728-11	SENSOR, THERMISTOR	

ACCESSORIES			

△	1-478-001-11	COMMANDER, STANDARD (RM-LJ312)	
△	1-551-631-22	CORD, POWER (AEP)	
△	1-828-109-11	CORD, POWER (TW)	
△	1-828-063-11	CORD, POWER (KR)	
	4-241-478-01	COVER, BATTERY (for RM-LJ312)	
	4-247-235-11	MANUAL, INSTRUCTION (for RM-LJ312) (ENGLISH) (AEP, TW)	
	4-247-235-21	MANUAL, INSTRUCTION (for RM-LJ312) (FRENCH) (AEP)	
	4-247-235-31	MANUAL, INSTRUCTION (for RM-LJ312) (SPANISH, GERMAN, DUTCH, ITALIAN, SWEDISH, POLISH) (AEP)	
	4-247-235-41	MANUAL, INSTRUCTION (for RM-LJ312) (KOREAN) (KR)	
	4-247-235-51	MANUAL, INSTRUCTION (for RM-LJ312) (PORUTUGUESE, DANNISH, FINNISH, RUSSIAN) (AEP)	
	4-247-235-61	MANUAL, INSTRUCTION (for RM-LJ312) (GREEK, HUNGARIAN, CZECH, SLOVAKIAN) (AEP)	
	4-247-235-71	MANUAL, INSTRUCTION (for RM-LJ312) (TRADITIONAL CHINESE, SIMPLIFIED CHINESE) (TW)	
	4-249-347-13	MANUAL, INSTRUCTION (ENGLISH) (AEP, TW)	
	4-249-347-22	MANUAL, INSTRUCTION (FRENCH) (AEP)	
	4-249-347-32	MANUAL, INSTRUCTION (SPANISH) (AEP)	
	4-249-347-42	MANUAL, INSTRUCTION (GERMAN, DUTCH, ITALIAN) (AEP)	
	4-249-347-52	MANUAL, INSTRUCTION (SWEDISH, POLISH) (AEP)	
	4-249-347-62	MANUAL, INSTRUCTION (TRADITIONAL CHINESE) (TW)	
	4-249-347-71	MANUAL, INSTRUCTION (KOREAN) (KR)	
	4-249-348-11	MANUAL, INSTRUCTION (PORUTUGUESE) (AEP)	
	4-249-348-21	MANUAL, INSTRUCTION (DANISH, FINNISH) (AEP)	
	4-249-348-31	MANUAL, INSTRUCTION (RUSSIAN) (AEP)	
	4-249-348-41	MANUAL, INSTRUCTION (GREEK) (AEP)	
	4-249-348-51	MANUAL, INSTRUCTION (HUNGARIAN, CZECH) (AEP)	
	4-249-348-61	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP)	

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

MEMO

REVISION HISTORY

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