

STR-DA1200ES

SERVICE MANUAL

Ver. 1.1 2006.12

AEP Model
UK Model



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

* Manufactured under license from Dolby Laboratories.

"Dolby", "Pro Logic", "Surround EX", and the double-D symbol are trademarks of Dolby Laboratories.

** Manufactured under license from DigitalTheater Systems, Inc. U.S. Pat.

No's. 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535 and other U.S. and world-wide patents issued and pending.

"DTS", "DTS-ES", "Neo:6", and "DTS 96/24" are trademarks of Digital Theater Systems, Inc.

Copyright 1996, 2003 Digital Theater Systems, Inc. All Rights Reserved.

SPECIFICATIONS

Amplifier section

POWER OUTPUT

Rated Power Output at Stereo Mode^{1) 2)}

(8 ohms 1 kHz, THD
0.7%):

105 W + 105 W

Rated Power Output at Stereo Mode²⁾

(4 ohms 1 kHz, THD
0.7%):

105 W + 105 W

Reference Power Output

(8 ohms 20 Hz – 20 kHz,
THD 0.09%)

FRONT²⁾:

100 W + 100 W

CENTER²⁾:

100 W

SURROUND²⁾:

100 W + 100 W

SURROUND BACK²⁾:

100 W + 100 W

Reference Power Output

(4 ohms 20 Hz – 20 kHz,
THD 0.15%)

FRONT²⁾:

100 W + 100 W

CENTER²⁾:

100 W

SURROUND²⁾:

100 W + 100 W

SURROUND BACK²⁾:

100 W + 100 W

Reference Power Output at Stereo Mode^{1) 2)}

(8 ohms 1 kHz, THD
10%):

130 W + 130 W

Reference Power Output at Stereo Mode²⁾

(4 ohms 1 kHz, THD

10%):

130 W + 130 W

Reference Power Output

(8 ohms 1 kHz, THD 10%)

FRONT²⁾:

130 W + 130 W

CENTER²⁾:

130 W

SURROUND²⁾:

130 W + 130 W

SURROUND BACK²⁾:

130 W + 130 W

Reference Power Output

(4 ohms 1 kHz, THD 10%)

FRONT²⁾:

130 W + 130 W

CENTER²⁾:

130 W

SURROUND²⁾:

130 W + 130 W

SURROUND BACK²⁾:

130 W + 130 W

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

²⁾ Measured under the following conditions:

Power requirements: 230 V AC, 50/60 Hz

(in countries/areas in Europe

other than the UK)

240 V AC, 50/60 Hz

(in the UK and general area)

Frequency response

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

MULTI CHANNEL INPUT, SA-CD/CD, MD/TAPE, DVD, VIDEO 1/2/3	10 Hz – 100 kHz ± 3 dB
---	---------------------------

Inputs (Analog)

PHONO	Sensitivity: 2.5 mV Impedance: 50 kohms S/N: 86 dB (A, 20 kHz LPF)
-------	---

MULTI CHANNEL INPUT, SA-CD/CD, MD/TAPE, DVD, TV/SAT, VIDEO1/2/3	Sensitivity: 150 mV Impedance: 50 kohms S/N: 96 dB (A, 20 kHz LPF)
--	---

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-887-344-02
2006L05-1
© 2006.12

Sony Corporation
Home Audio Division
Published by Sony Techno Create Corporation

SONY®

Inputs (Digital)

DVD, SA-CD/CD (Coaxial)	Impedance: 75 ohms S/N: 96 dB (A, 20 kHz LPF)
VIDEO 1/3, TV/SAT, MD/TAPE (Optical)	S/N: 96 dB (A, 20 kHz LPF)

Outputs

MD/TAPE, VIDEO1/2 (AUDIO OUT)	Voltage: 150 mV Impedance: 1 kohms
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUB WOOFER	Voltage: 2 V Impedance: 1 kohms

EQUALIZER

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

FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna (aerial)	FM wire antenna (aerial)
Antenna (aerial) terminals	75 ohms, unbalanced
Sensitivity	
Mono:	18.3 dBf, 2.2 μV/75 ohms
Stereo:	38.3 dBf, 22.5 μV/75 ohms
Usable sensitivity	11.2 dBf, 1 μV/75 ohms
S/N	
Mono:	76 dB
Stereo:	70 dB
Harmonic distortion at 1 kHz	
Mono:	0.3%
Stereo:	0.5%
Separation	45 dB at 1 kHz
Frequency response	30 Hz - 15 kHz, +0.5/-2 dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	531 - 1,602 kHz (With 9-kHz tuning scale)
Antenna (aerial)	Loop antenna (aerial)
Usable sensitivity	50 dB μ/m (at 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5% (50 mV/m, 400 Hz)
Selectivity	35 dB

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 :	0.7 Vp-p, 75 ohms
P _R /C _R :	0.7 Vp-p, 75 ohms
80 MHz HD Pass Through	

General

Power requirements	230 V AC, 50/60 Hz (in countries/areas in Europe other than the UK) 240 V AC, 50/60 Hz (in the UK and general area)
Power consumption	440 W
Power consumption (during standby mode)	1 W
AC outlets	1 switched, 100 W/0.4A MAX (Models for countries/areas in Europe other than the UK)
Dimensions	430 × 175 × 430 mm including projecting parts and controls
Mass (Approx.)	15 kg

Supplied accessories

- Operating Instructions (this manual)
- Quick Setup Guide (1)
- Optimizer microphone ECM-AC2 (1)
- FM wire antenna (aerial) (1)
- AM loop antenna (aerial) (1)
- AC power cord (mains lead) (1)
- Remote commander RM-AAP015 (1)
- R6 (size-AA) batteries (2)

Design and specifications are subject to change without notice.

Notes on chip component replacement

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

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle 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.

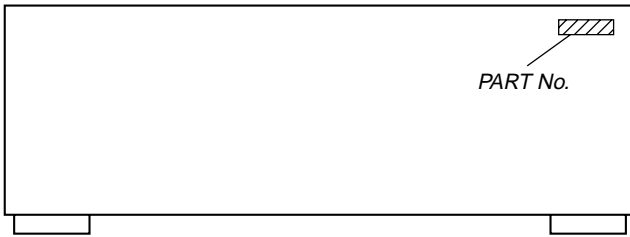
TABLE OF CONTENTS

1. SERVICING NOTES	4	6-42. Schematic Diagram – DISPLAY Board –	65
2. GENERAL	10	6-43. Printed Wiring Boards – KEY Section –	66
3. DISASSEMBLY		6-44. Schematic Diagram – KEY Section –	67
3-1. Disassembly Flow	12	6-45. Printed Wiring Boards – SPEAKER Section –	68
3-2. Case	13	6-46. Printed Wiring Boards – DC Section –	69
3-3. Front Panel Assy	13	6-47. Printed Wiring Board – AC Board –	70
3-4. S-VIDEO Board	14	6-48. Schematic Diagram – POWER SUPPLY Section –	71
3-5. Tuner	14		
3-6. E-VOLUME Board	15	7. EXPLODED VIEWS	
3-7. VIDEO Board	15	7-1. Case Section	92
3-8. SP TERMINAL Board	16	7-2. DISPLAY Board Block	93
3-9. ANALOG Board	16	7-3. Front Panel Block	94
3-10. Power Transformer (T01)	17	7-4. VIDEO Board Block	95
3-11. MAIN Board	17	7-5. ANALOG Board Block	96
4. TEST MODE	18	7-6. MAIN Board Block	97
5. ELECTRICAL ADJUSTMENTS	21	7-7. Heat Sink Block	98
6. DIAGRAMS		8. ELECTRICAL PARTS LIST	99
6-1. Block Diagram – CONTROL Section –	22		
6-2. Block Diagram – DSP Section –	23		
6-3. Block Diagram – HDMI Section –	24		
6-4. Block Diagram – ANALOG AUDIO Section –	25		
6-5. Block Diagram – POWER AMP Section –	26		
6-6. Block Diagram – VIDEO Section –	27		
6-7. Block Diagram – DISPLAY Section –	28		
6-8. Block Diagram – POWER SUPPLY Section –	29		
6-9. Schematic Diagram – DIGITAL Board (1/5) –	31		
6-10. Schematic Diagram – DIGITAL Board (2/5) –	32		
6-11. Schematic Diagram – DIGITAL Board (3/5) –	33		
6-12. Schematic Diagram – DIGITAL Board (4/5) –	34		
6-13. Schematic Diagram – DIGITAL Board (5/5) –	35		
6-14. Printed Wiring Board – DIGITAL Board (Component Side) –	36		
6-15. Printed Wiring Board – DIGITAL Board (Conductor Side) –	37		
6-16. Printed Wiring Board – DSP Board –	38		
6-17. Schematic Diagram – DSP Board –	39		
6-18. Printed Wiring Board – HDMI SW Board –	40		
6-19. Schematic Diagram – HDMI SW Board –	41		
6-20. Printed Wiring Board – ANALOG Board –	42		
6-21. Schematic Diagram – ANALOG Board –	43		
6-22. Printed Wiring Board – MAIN Board –	45		
6-23. Schematic Diagram – MAIN Board (1/2) –	46		
6-24. Schematic Diagram – MAIN Board (2/2) –	47		
6-25. Printed Wiring Board – E-VOLUME Board –	48		
6-26. Schematic Diagram – E-VOLUME Board –	49		
6-27. Printed Wiring Board – A CLASS AMP Board –	50		
6-28. Schematic Diagram – A CLASS AMP Board –	51		
6-29. Printed Wiring Board – POWER AMP Board –	52		
6-30. Schematic Diagram – POWER AMP Board –	53		
6-31. Printed Wiring Board – BIAS Board –	54		
6-32. Schematic Diagram – BIAS Board –	55		
6-33. Printed Wiring Board – VIDEO Board –	56		
6-34. Schematic Diagram – VIDEO Board (1/3) –	57		
6-35. Schematic Diagram – VIDEO Board (2/3) –	58		
6-36. Schematic Diagram – VIDEO Board (3/3) –	59		
6-37. Printed Wiring Board – S-VIDEO Board –	60		
6-38. Schematic Diagram – S-VIDEO Board –	61		
6-39. Printed Wiring Board – VIDEO 3 Board –	62		
6-40. Schematic Diagram – VIDEO 3 Board –	63		
6-41. Printed Wiring Board – DISPLAY Board –	64		

SECTION 1 SERVICING NOTES

• MODEL IDENTIFICATION

– Back Panel –



Model	PART No.
AEP model	2-668-097-0□
UK model	2-668-097-1□

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

LEAD FREE MARK

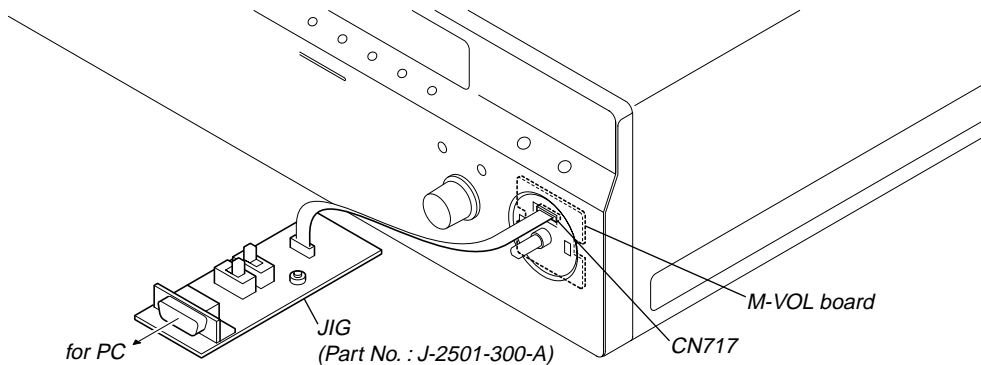
Unleaded solder has the following characteristics.

- 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.

UPDATE OF SOFTWARE OF THE SYSTEM CONTROLLER (IC2054)

Perform operation of the following when the update of software of the system controller (IC2054) is necessary.

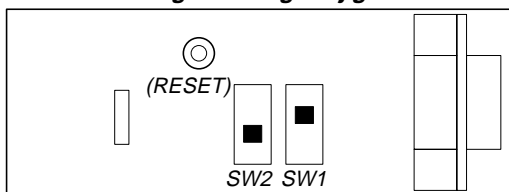
Connect:



Procedure:

1. Turn off the main power and setting the jig referring to Fig. 1 (Note: Do this setting before connecting jig with the set).
2. Remove the KNOB (VOL) ASSY and connect CN717 (M-VOL board) and PC by using the jig.
3. Turn on the main power and perform the operation according to the application.
4. After "Please Reset" is displayed, reset switch on the jig is pushed and update is completed.
5. Turn off the main power and remove the jig.
6. Turn on the main power.

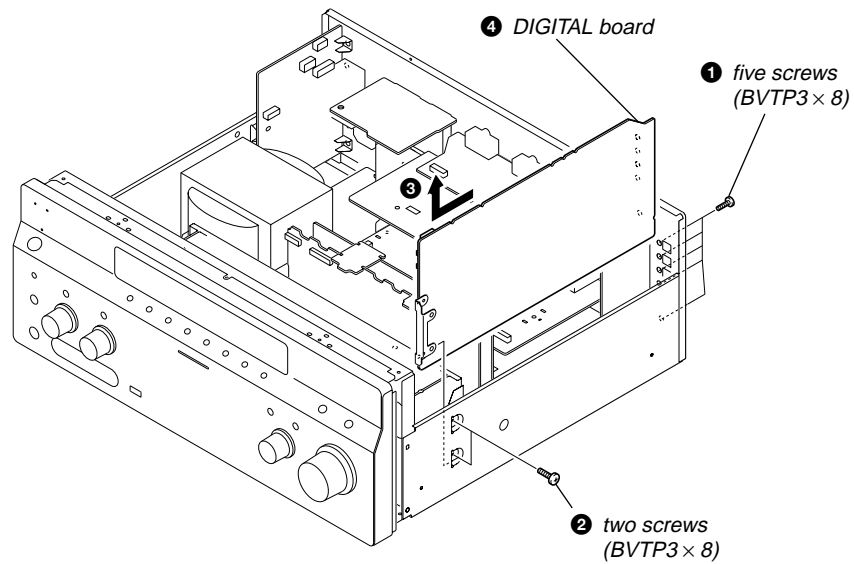
Fig.1 Setting for jig



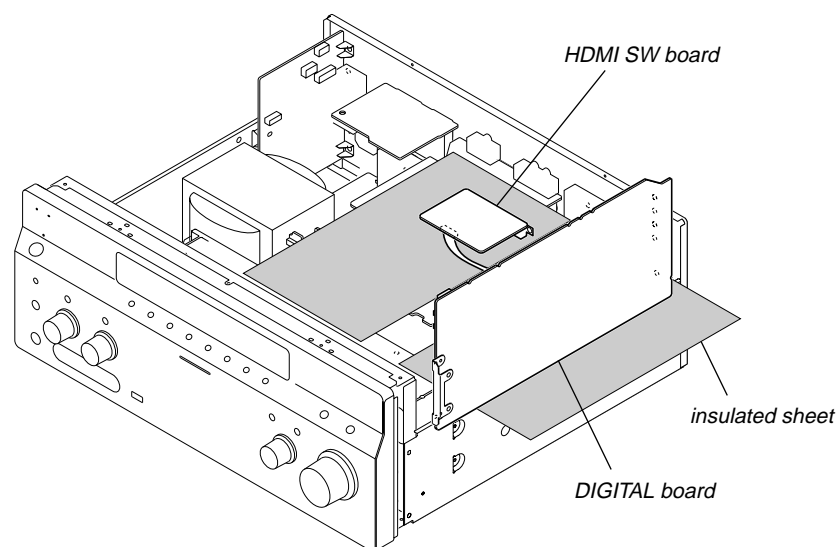
SW1: up, SW2: down

DIGITAL/HDMI SW BOARDS SERVICE POSITION

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

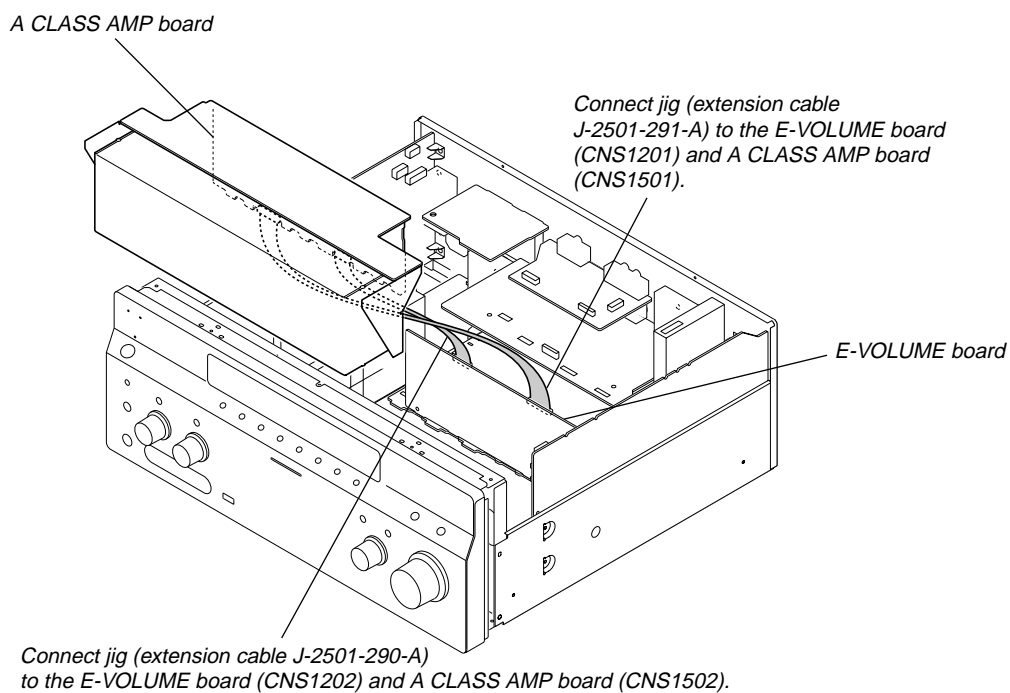


In checking the DIGITAL board, remove the HDMI SW board.

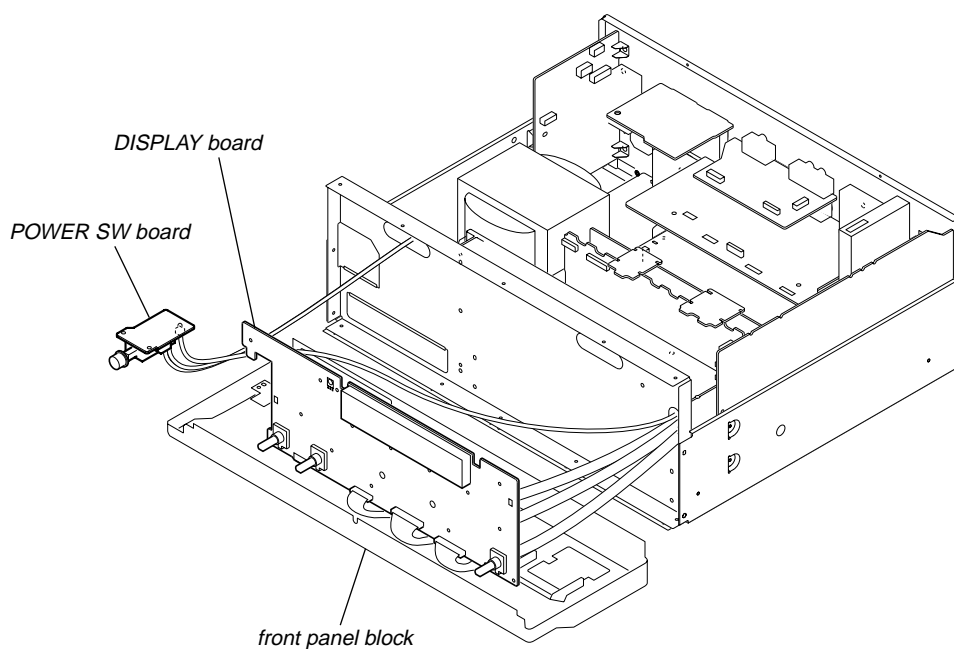


AMP BLOCK SERVICE POSITON

In checking the AMP block, prepare jig (extension cable J-2501-290-A: 500 mm 9 core/J-2501-291-A: 500 mm 12 core).

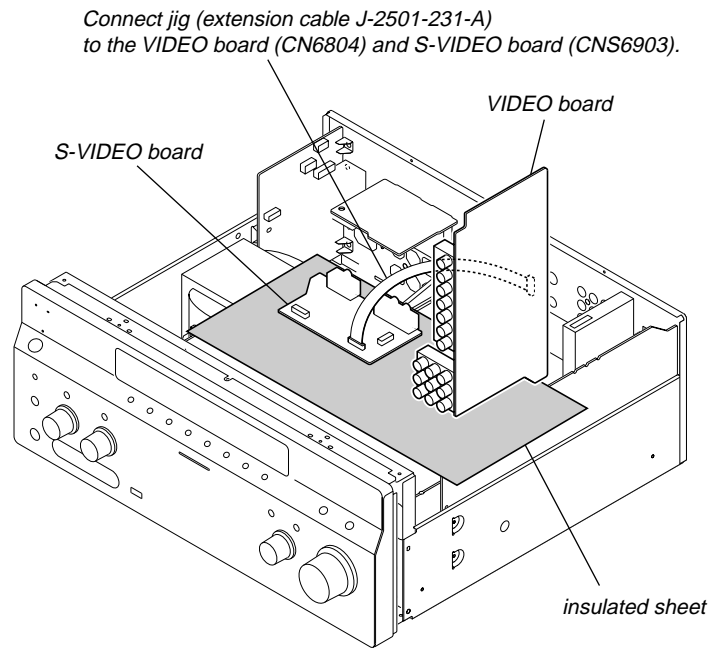


DISPLAY BOARD SERVICE POSITON

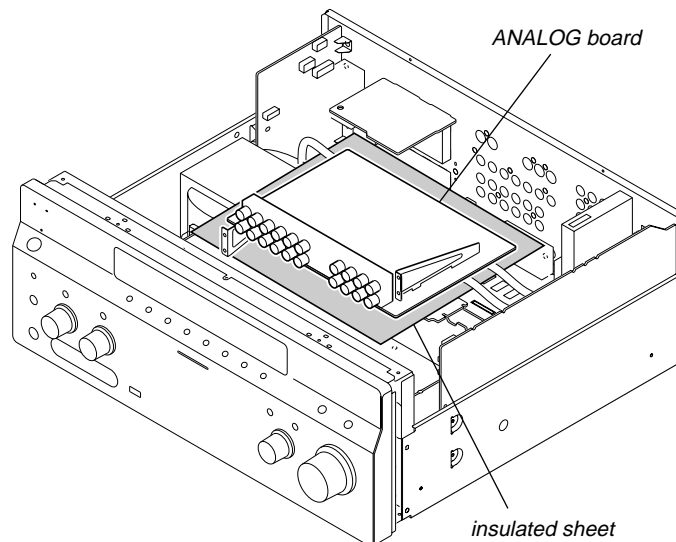


VIDEO BOARD SERVICE POSITON

In checking the VIDEO board, prepare jig (extension cable J-2501-231-A: 300 mm 15 core).

**ANALOG BOARD SERVICE POSITON**

In checking the ANALOG board, remove the VIDEO board and S-VIDEO board.

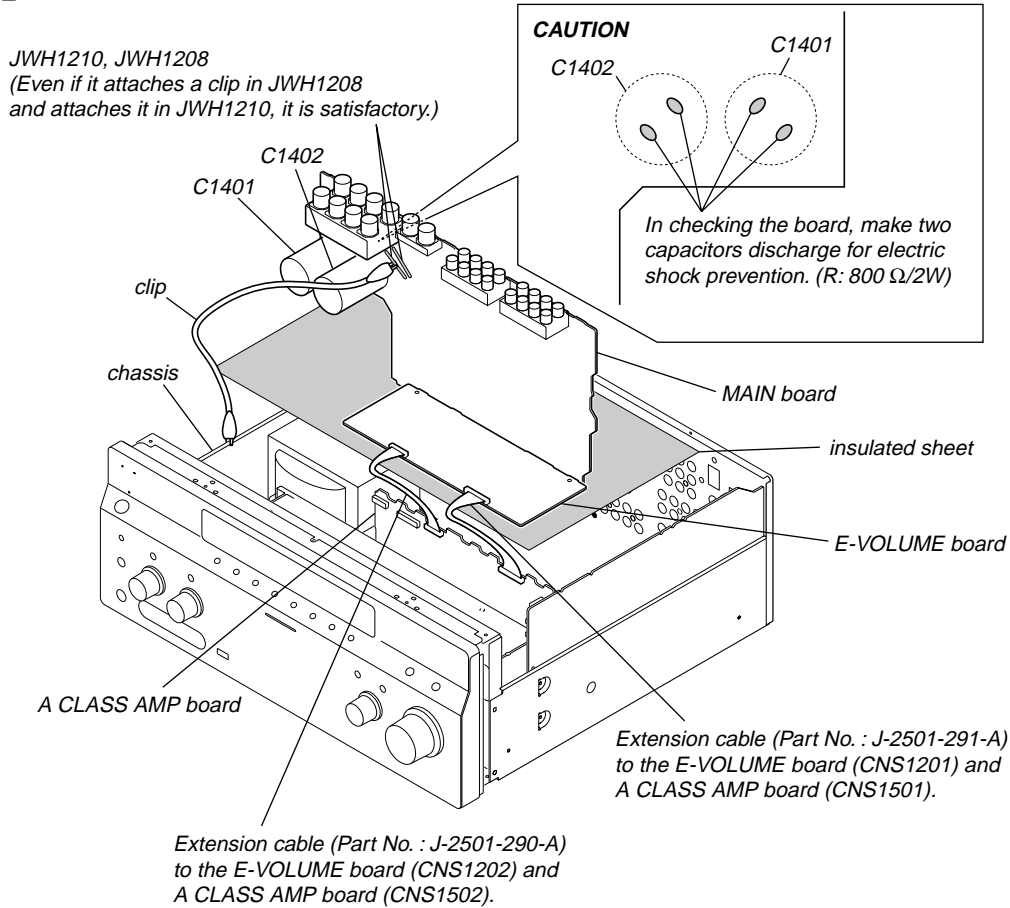


MAIN/E-VOLUME BOARDS SERVICE POSITON

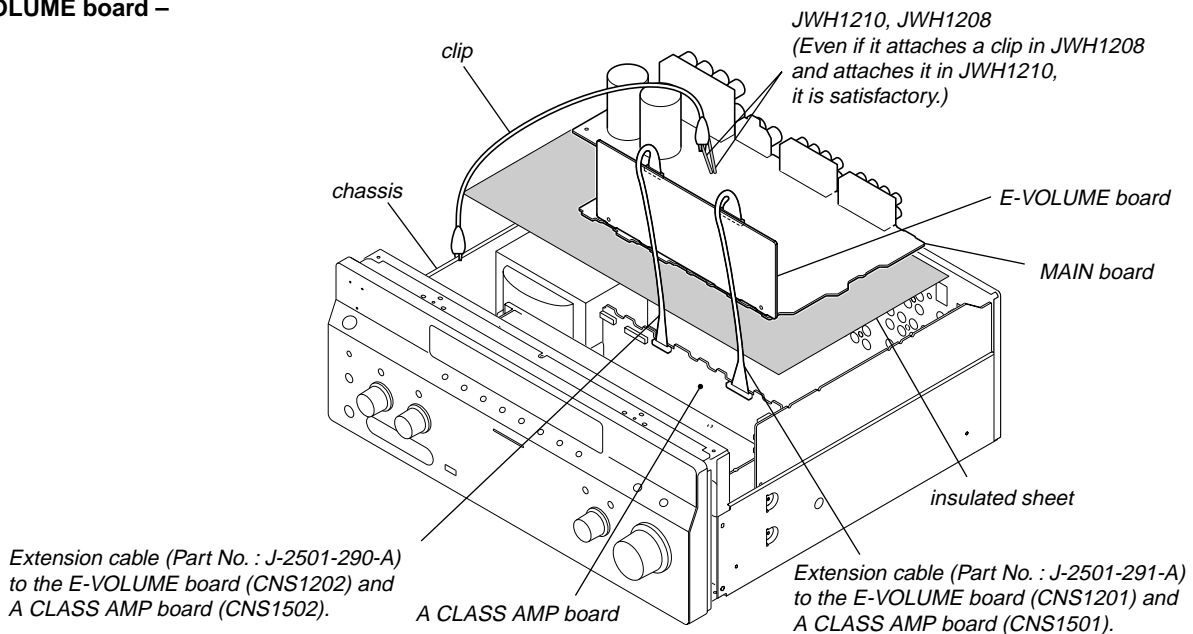
In checking the MAIN/E-VOLUME board, prepare jig (extension cable J-2501-290-A: 500 mm 9 core/J-2501-291-A: 500 mm 12 core).

Note: Be sure to ground the MAIN board with a clip when checking it.

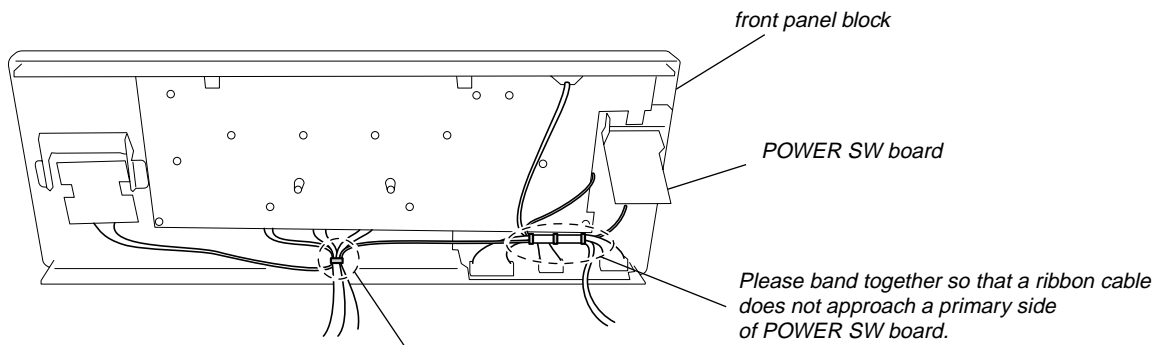
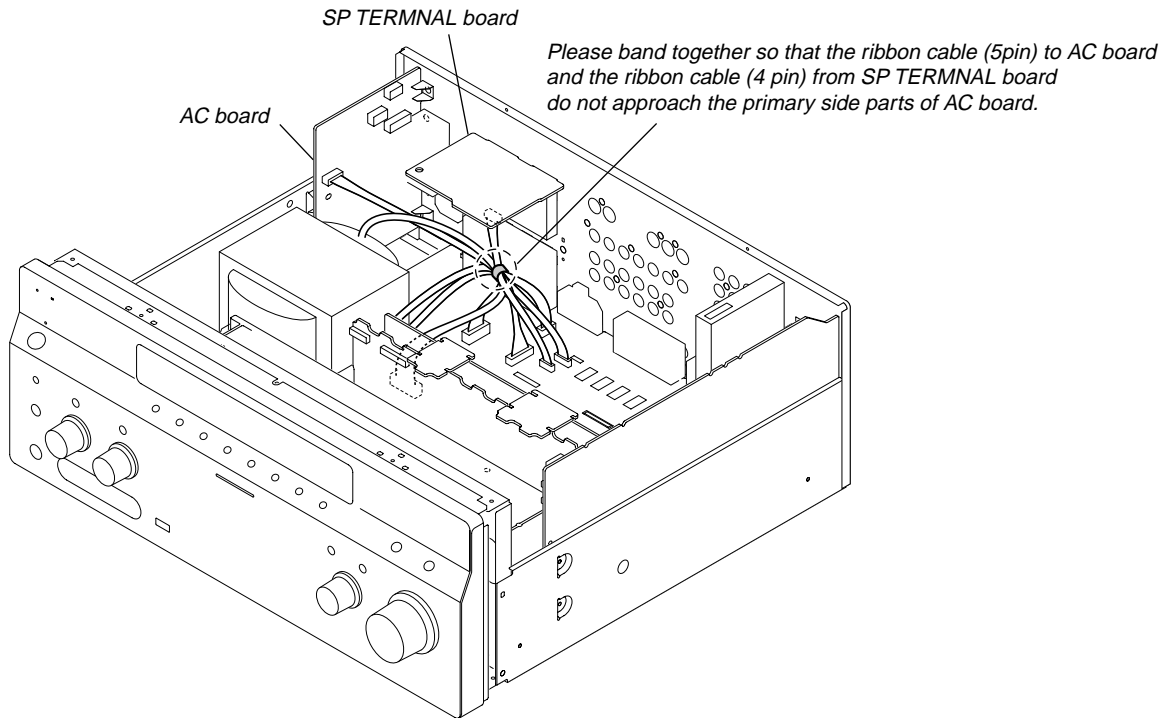
– MAIN board –



– E-VOLUME board –

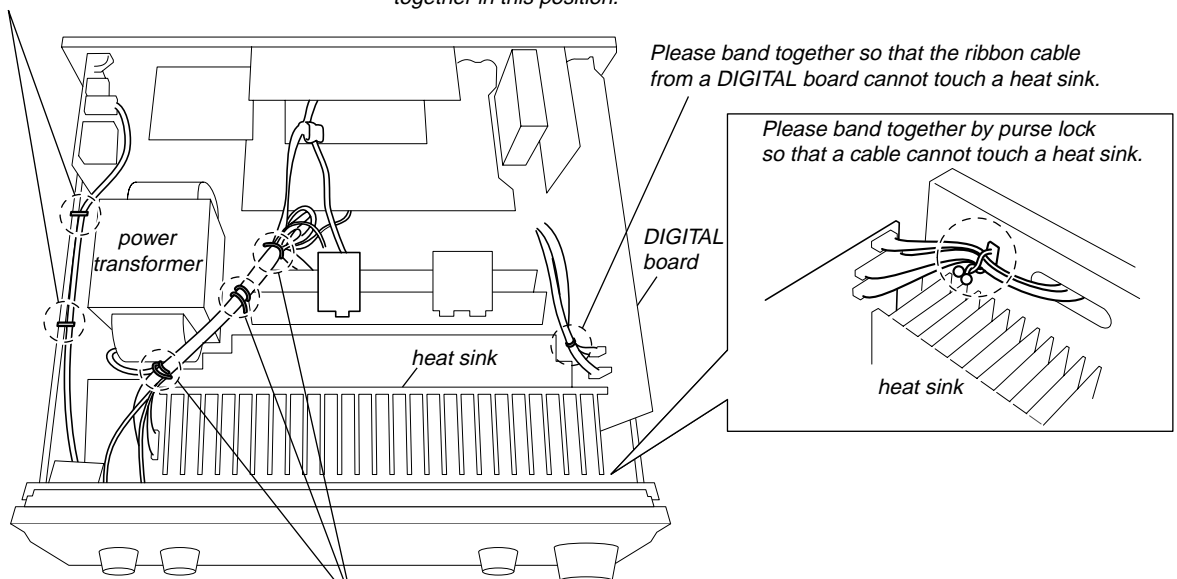


HARNESS SETTING



Please band together so that a primary side cable cannot touch a power transformer.

Please band the cable from a VIDEO 3 board together in this position.

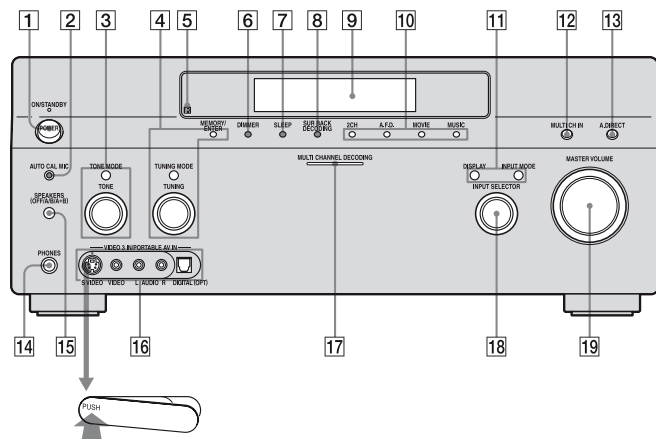


Please band together so that a cable cannot touch a power transformer and a heat sink.

SECTION 2 GENERAL

This section is extracted from instruction manual.

Front panel



To remove the cover

Press PUSH.

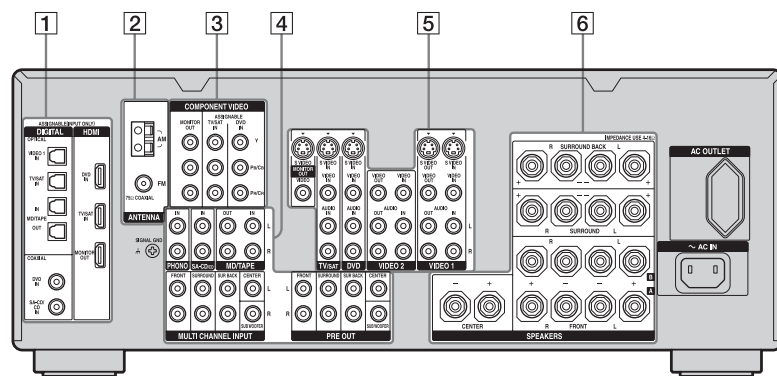
When you remove the cover, keep it out of reach from children.

Name	Function
1 POWER	Press to turn the receiver on or off.
2 AUTO CAL MIC jack	Connects to the supplied optimizer microphone for the Digital Cinema Auto Calibration function.
3 TONE MODE TONE	Adjusts FRONT BASS and FRONT TREBLE. Press TONE MODE repeatedly to select BASS or TREBLE, then turn TONE to adjust the level.

Name	Function
4 MEMORY/ENTER TUNING MODE TUNING	Press to operate a tuner (FM/AM).
5 Remote sensor	Receives signals from remote commander.
6 DIMMER	Press to adjust brightness of the display.
7 SLEEP	Press to activate the SLEEP function.
8 SUR BACK DECODING	Press to activate SB DECODING.
9 Display window	The current status of the selected component or a list of selectable items appears here.

Name	Function
10 2CH A.F.D. MOVIE MUSIC	Press to select sound field.
11 DISPLAY INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks.
12 MULTI CH IN	Press to select the audio input signal from the component connected to the MULTI CHANNEL INPUT jack.
13 A.DIRECT	Press to listen to high quality analog sound.
14 PHONES jack	Connects to headphones.
15 SPEAKERS (OFF/A/B/A+B)	Press to select A, B, A+B, OFF of the front speakers.
16 VIDEO 3 IN/ PORTABLE AV IN jack	Connect to a portable audio/video component such as a camcorder or video game.
17 MULTI CHANNEL DECODING lamp	Lights up when multichannel audio signals are decoded.
18 INPUT SELECTOR	Turn to select the input source to play back.
19 MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time.

Rear panel



1 DIGITAL INPUT/OUTPUT section	
	OPTICAL IN/OUT jacks Connects to a DVD player, Super Audio CD player, etc. The COAXIAL jack provides a better quality sound.
	COAXIAL IN jacks
	HDMI IN/MONITOR OUT jacks Connects to a DVD player, or a satellite tuner. An image and the sound are output to TV or a projector.

2 ANTENNA section	
	FM ANTENNA jack Connects to the FM wire antenna (aerial) supplied with this receiver.
	AM ANTENNA jack Connects to the AM loop antenna (aerial) supplied with this receiver.

3 COMPONENT VIDEO INPUT/OUTPUT section	
	COMPONENT VIDEO (Y, P _B /C _B , P _R /C _R) INPUT/OUTPUT jacks*

4 AUDIO INPUT/OUTPUT section	
	L AUDIO IN/OUT jacks Connects to a MD deck or tape deck, etc.
	R

	MULTI CHANNEL INPUT jacks Connects to a Super Audio CD player or DVD player with an analog audio jack for 7.1 channel or 5.1 channel sound.
	PRE OUT jacks Connects to an external power amplifier.

5 VIDEO/AUDIO INPUT/OUTPUT section	
	L AUDIO IN/OUT jack Connects to a VCR or a DVD player etc.
	R
	VIDEO IN/OUT jack*
	S VIDEO IN/OUT jack*

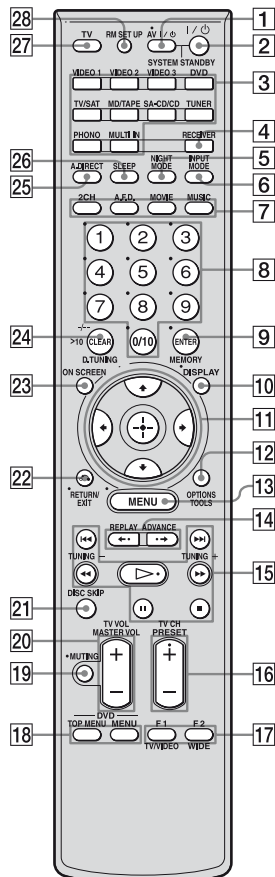
6 SPEAKERS section	
	Connects to speakers.

* You can watch the selected input image when you connect the MONITOR OUT jack to a TV. You can also display certain menu settings and the sound field on the monitor when you press ON SCREEN on the remote.

Remote commander

You can use the supplied remote RM-AAP015 to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate.

RM-AAP015



Name	Function
1 AV I/O (on/standby)	Press to turn on or off the audio/video components that the remote is assigned to operate. If you press the I/O (1) at the same time, it will turn off the receiver and other Sony components (SYSTEM STANDBY). Note The function of the AV I/O switch changes automatically each time you press the input button (3).
2 I/O (on/standby)	Press to turn the receiver on or off.
3 Input buttons	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components. You can program the remote to control non-Sony components following the steps in "Programming the remote".
4 RECEIVER	Press to enable the receiver operation.

Name	Function
5 NIGHT MODE	Press to activate the NIGHT MODE function.
6 INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks.
7 2CH A.F.D. MOVIE MUSIC	Press to select a sound field.
8 Numeric buttons	Press to <ul style="list-style-type: none"> – preset/tune to preset stations. – select track numbers of the CD player, DVD player or MD deck. Press 0/10 to select track number 10. – select channel numbers of the VCR or satellite tuner. – After pressing TV (27), press the numeric buttons to select the TV channels.
9 ENTER	Press to enter the value after selecting a channel, disc or track using the numeric buttons.
MEMORY	Press to store a tuner station during tuner operation.
10 DISPLAY	Press to select information displayed on the display window, TV screen of the VCR, satellite tuner, CD player, DVD player, or MD deck.
11	After pressing MENU (13) or TOP MENU (18), press or to select the settings. Then press to enter the selection.
12 TOOLS OPTIONS	Press to display and select items from the option menus for DVD player, etc.
13 MENU	Press to display the menu of the receiver, a DVD player or TV, etc.
14 REPLAY / ADVANCE	Press to replay the previous scene or fast forward the current scene of the VCR or DVD player.
15 a) a) a) a) b)	Press to operate the DVD player, CD player, MD deck or tape deck, etc.
TUNING +/-	Press to select stations.
16 PRESET + b) / -	Press to register FM/AM Radio stations or to select preset stations.
TV CH +/-	Press TV (27) and then press TV CH +/- to operate the TV, satellite tuner, VCR, etc.
17 F1/F2	Press TV (27) and then press F1 or F2 to select a component to operate. <ul style="list-style-type: none"> • Hard disk recorder F1: HDD F2: DVD • DVD/VHS combo player F1: DVD F2: VHS
TV/VIDEO	Press TV/VIDEO and TV (27) at the same time to select the input signal (TV input or video input).
WIDE	Press to select the wide picture mode.

Name	Function
18 TOP MENU	Press to display the menu or on-screen guide of the DVD player on the TV screen. Then use and to perform menu operations.
MENU	Press to display the menus of the DVD player on the TV screen. Then use and to perform menu operations.
19 MUTING	Press to activate the muting function.
20 MASTER VOL +/-	Press to adjust the volume level of all speakers at the same time.
TV VOL +/-	Press TV (27) and then press TV VOL +/- to adjust the volume level of the TV.
21 DISC SKIP	Press to skip a disc when using a multi-disc changer.
22 RETURN/EXIT	Press to return to the previous menu or exit the menu while the menu or on-screen guide of the VCR, DVD player, or satellite tuner is displayed on the TV screen.
23 ON SCREEN	Press to display the receiver status. Then, if you press MENU (13), the menus of the receiver appear.
24 CLEAR	Press to <ul style="list-style-type: none"> – clear a mistake when you press the incorrect numeric button. – return to continuous playback, etc. of the satellite tuner or DVD player.
>10	Press to select <ul style="list-style-type: none"> – track numbers over 10 of the VCR, satellite tuner, CD player or MD deck. – channel numbers of the Digital CATV terminal.
D.TUNING	Press to enter direct tuning mode.
25 A.DIRECT	Press to switch the audio of the selected input to analog signal without any adjustment.
26 SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.
27 TV	Press to enable TV operation.
28 RM SET UP	Press to set up the remote.

a) See the table on page 93 for information on the buttons that you can use to control each component.

b) The tactile dot is attached to these buttons (, PRESET+). Use as a mark of operation.

Notes

- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

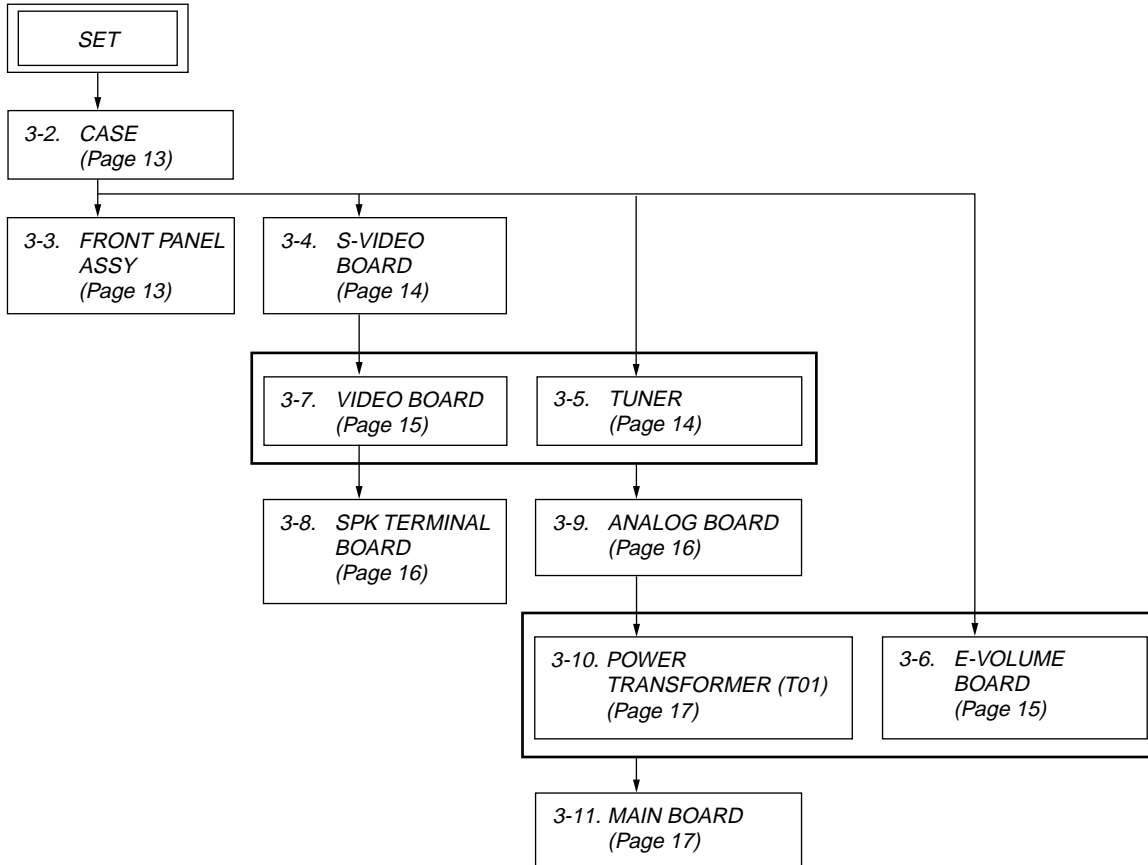
SECTION 3 DISASSEMBLY

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

3-1. DISASSEMBLY FLOW

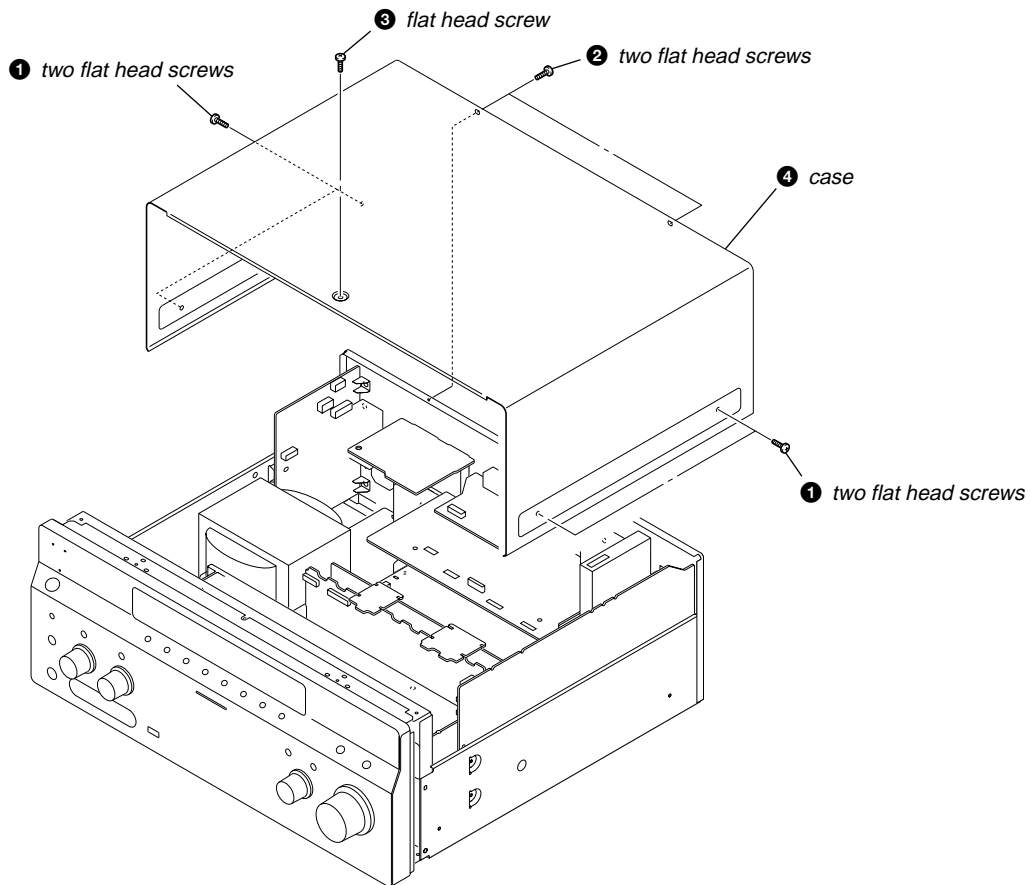
Note 1: The process described in [] can be performed in any order.

Note 2: Without completing the process described in [], the next process can not be performed.

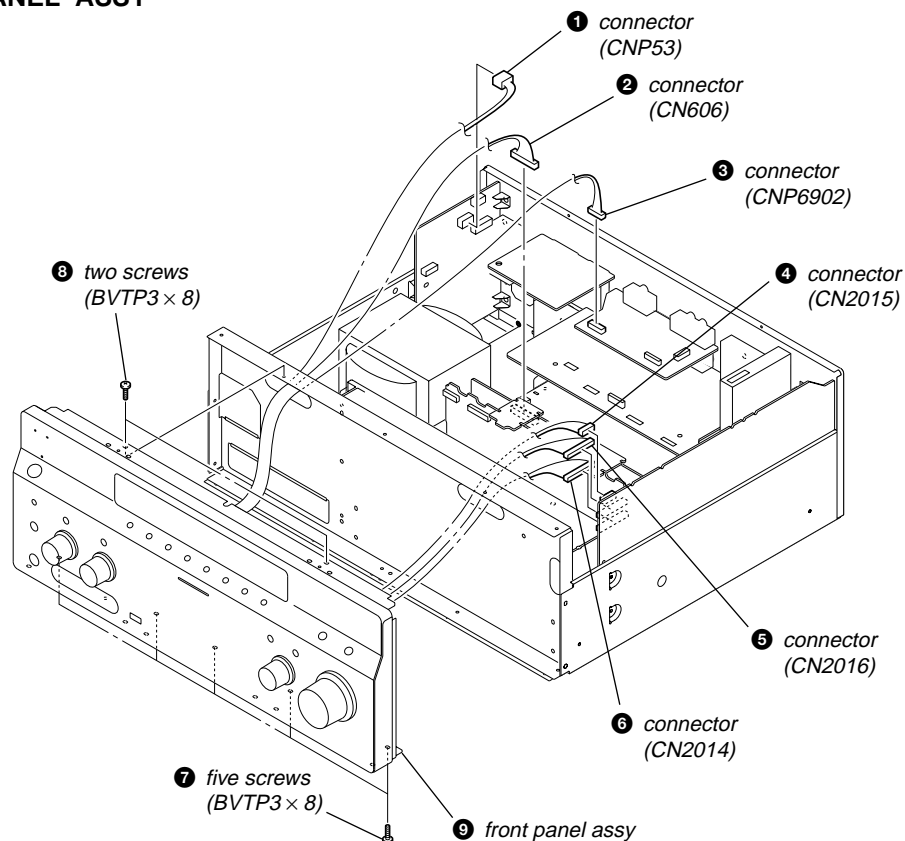


Note: Follow the disassembly procedure in the numerical order given.

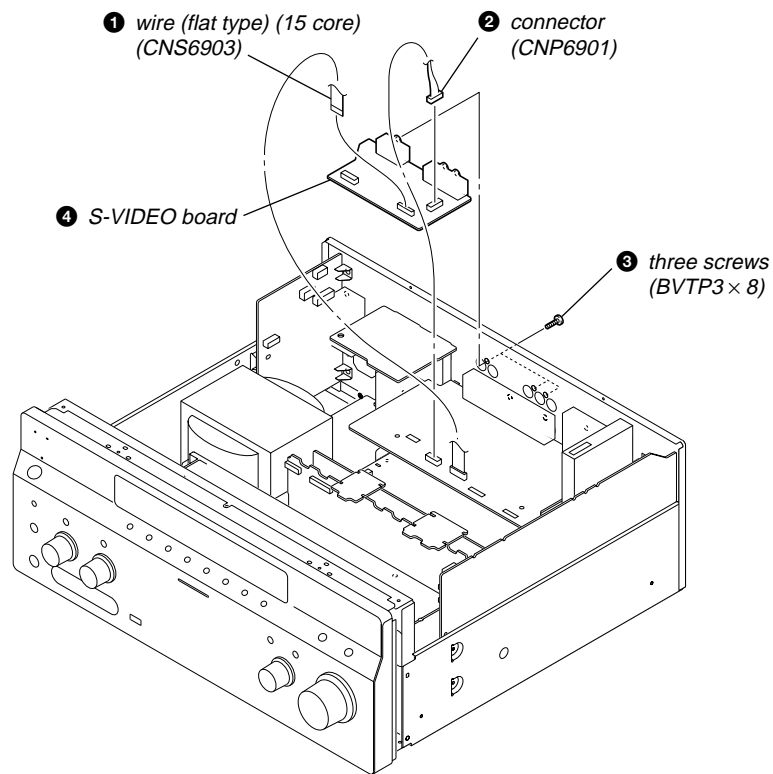
3-2. CASE



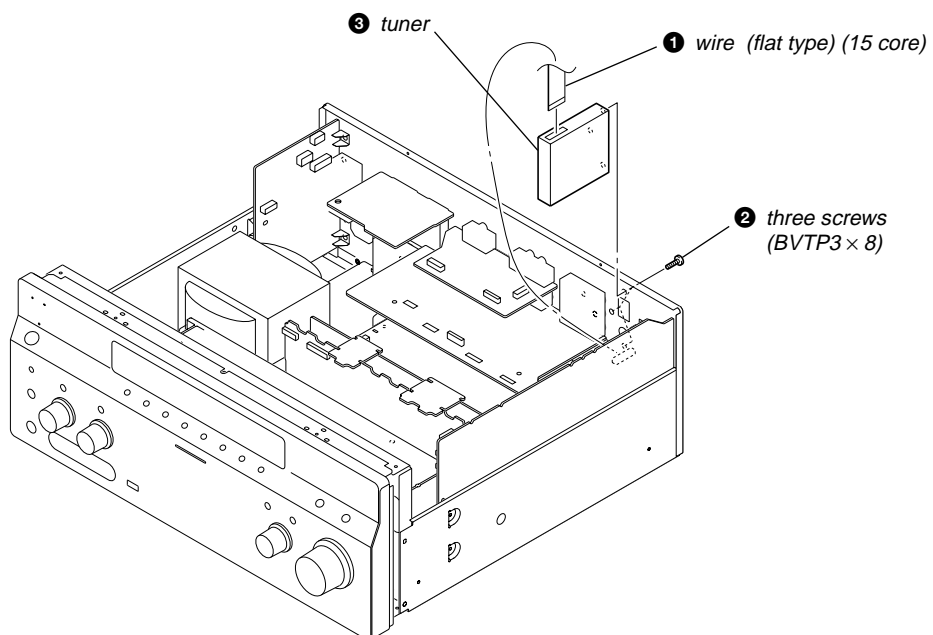
3-3. FRONT PANEL ASSY



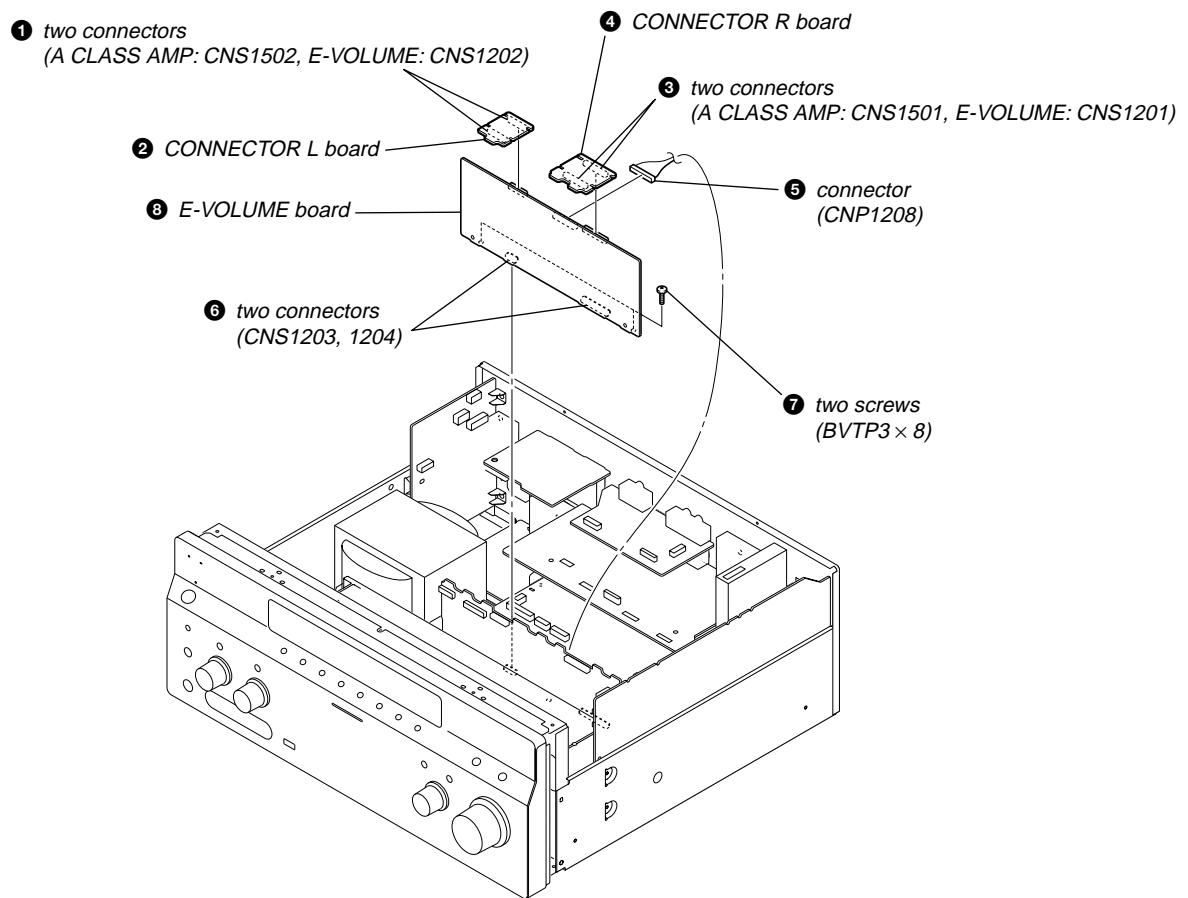
3-4. S-VIDEO BOARD



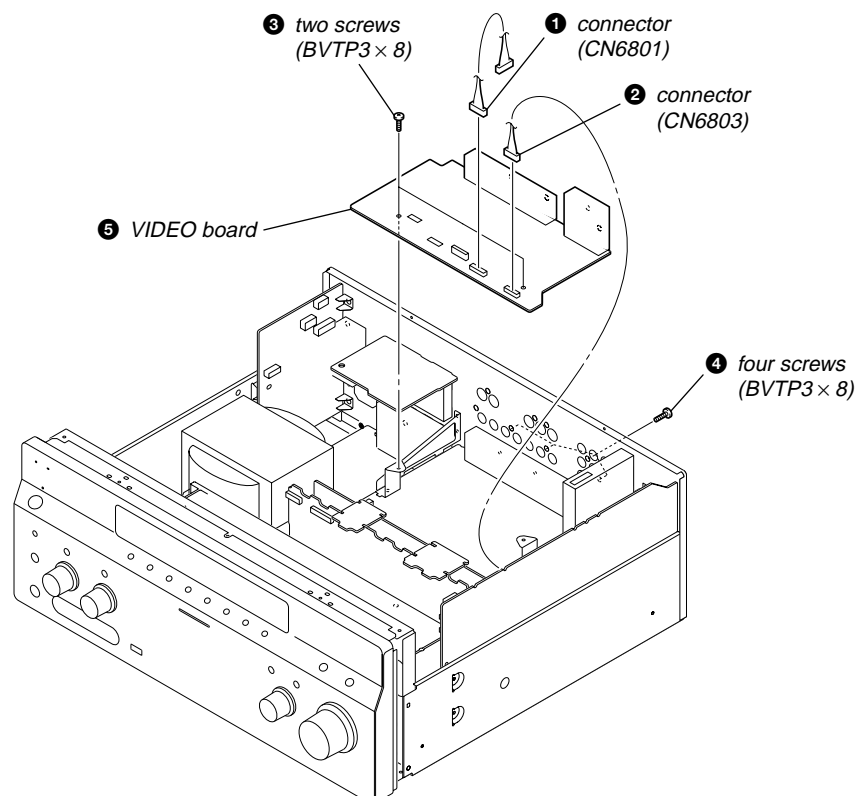
3-5. TUNER



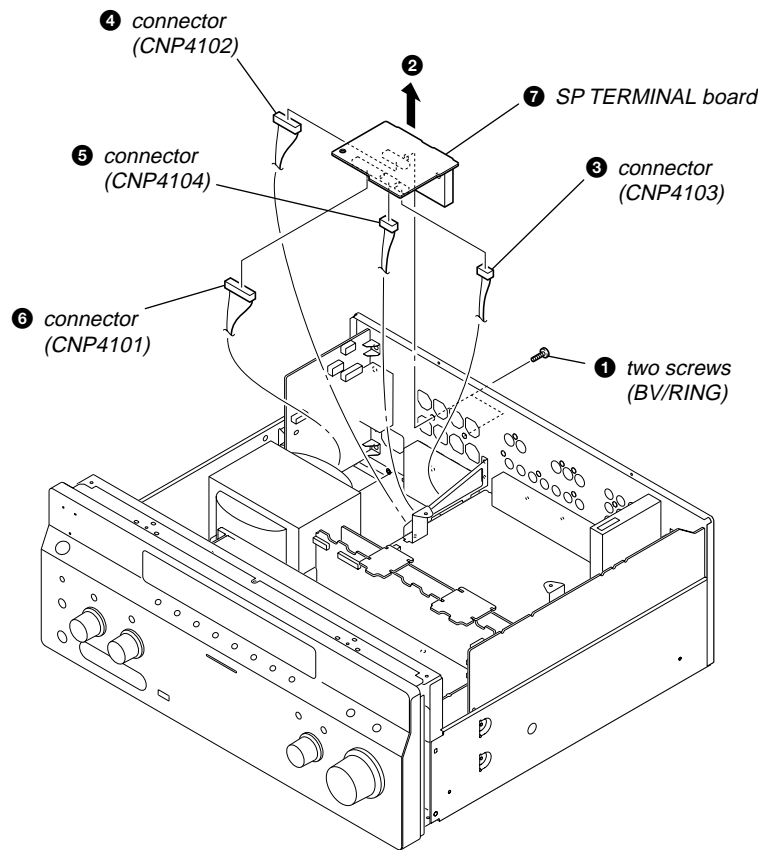
3-6. E-VOLUME BOARD



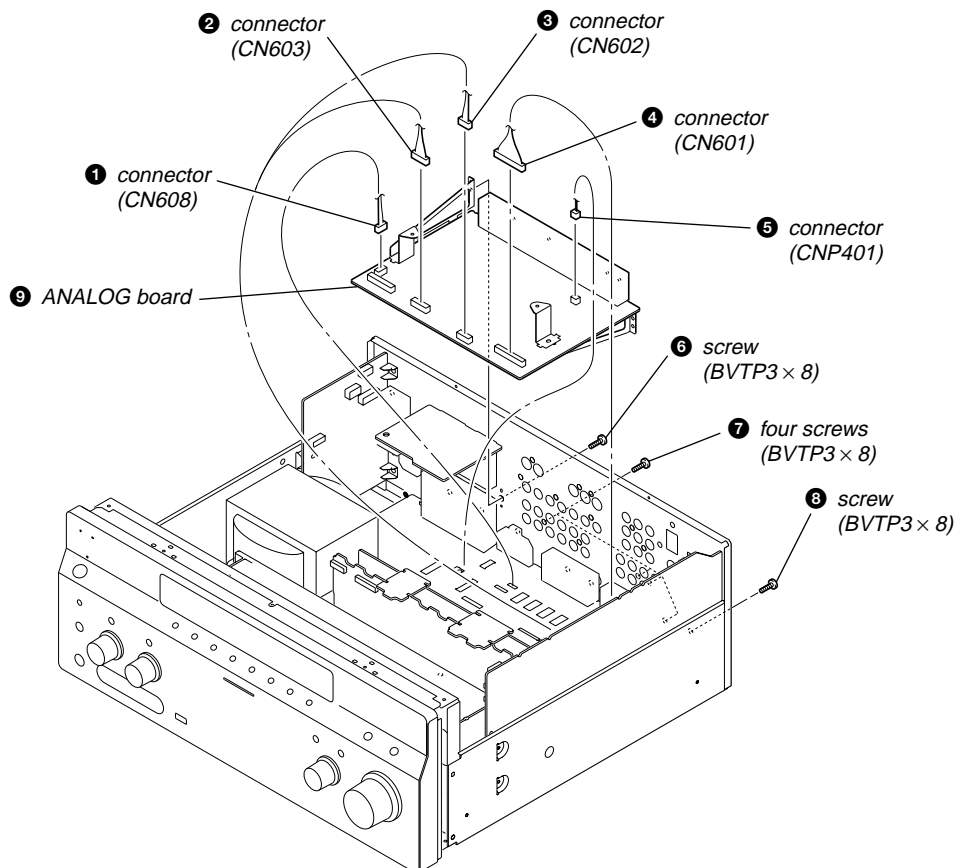
3-7. VIDEO BOARD



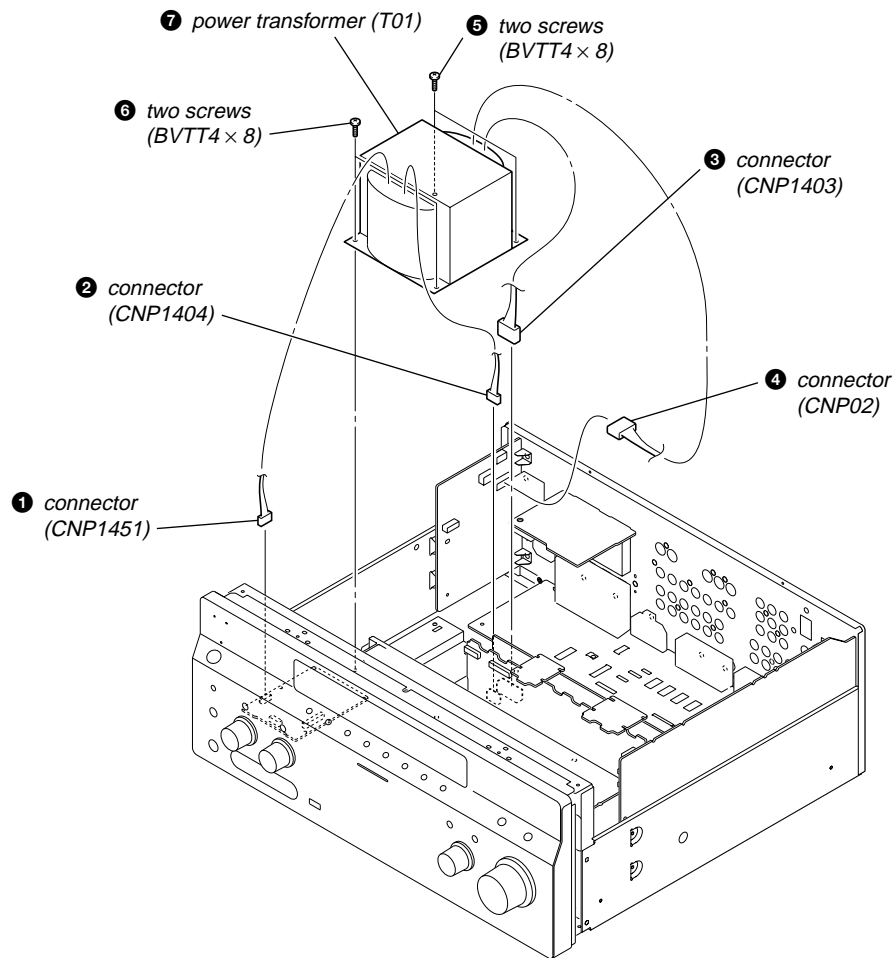
3-8. SP TERMINAL BOARD



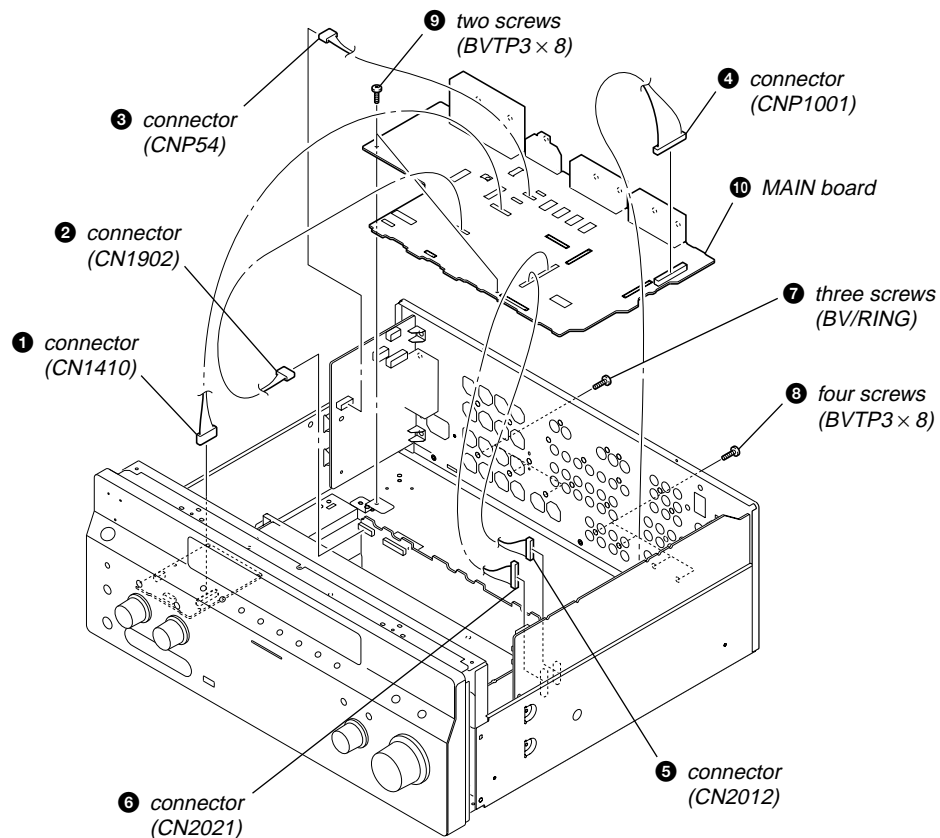
3-9. ANALOG BOARD



3-10. POWER TRANSFORMER (T01)



3-11. MAIN BOARD



STR-DA1200ES**SECTION 4
TEST MODE****TUNER FACTORY PRESET MODE**

All preset contents are reset to the default setting.

Procedure:

1. While pressing the **[2CH]** and **[TUNING MODE]** buttons, press the **[POWER]** 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 **[TONE MODE]** and **[MULTI CH IN]** buttons, press the **[POWER]** button to turn on the main power.
2. The message "MEMORY CLEARING..." appears and the memories are reset to the default values.
3. When done, the message "MEMORY CLEARED !" appears.

SWAP MODE**Procedure:**

1. While pressing the **[2CH]** and **[MULTI CH IN]** buttons, press the **[POWER]** button to turn on the main power.
2. The message "SWAP MODE !" appears.
3. Press the **[DISPLAY]** button.
4. The message "-34.5 dB" appears. (Volume level is "MID")
5. Press the **[DISPLAY]** button once again.
6. The message "23.0 dB" appears. (Volume level is "MAX")
7. Press the **[DISPLAY]** button once again.
8. The message "-∞ dB" 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 **[MOVIE]** and **[MULTI CH IN]** buttons, press the **[POWER]** button to turn on the main power.
2. All segments and all LEDs turn on.

SOUND FIELD CLEAR 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 **[POWER]** 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 **[2CH]** button, press the **[POWER]** 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 **[MULTI CH IN]** buttons, press the **[POWER]** button to turn on the main power.
2. Either the message "OFF" or "ON" appears.

RDS AUTOBETICAL MODE**Procedure:**





1. While pressing the **[MEMORY/ENTER]** button, press the **[POWER]** button to turn on the main power.
2. The message "Autobetrical Select" appears and scans and stores all the FM and FM RDS station in the broadcast area.

SPECIAL MENU MODE

Procedure:

1. Press the [POWER] button to turn on the main power, then while pressing the [TONE MODE] button, press the [A.F.D.], [2CH], [MUSIC], [MOVIE] button in order.
2. The message "MENU SPECIALIZED!" appears.
3. Each time the [↑] [↓] button of the remote commander is pressed, the item is switched in order as follows.
4. To release from this mode, while pressing the [TONE MODE] button, press the [A.F.D.], [2CH], [MUSIC], [MOVIE] button in order again.
5. The message "MENU SPECIALIZED OFF" appears.

Items	Display	Remark
Protector on/off	PROTECTOR ON/OFF [XXX]	XXX: ON or OFF (switching with [↑] [↓] button of the remote commander)
Model version display	##### *** vX.XX @@@	#####: model ***: destination X.XX: system controller software version @@@: Sum value of flash memory in the main system controller
Model/destination change	MODEL [##### * * * *] X X	#####: model, ***: destination, XX: at or fx (switching with [↑] [↓] button of the remote commander)
FM/AM tuner version display	FM/AM Tuner Ver X.XX	X.XX: FM/AM tuner controller software version
HDMI controller version display	HDMI Micom Ver X.XX	X.XX: HDMI controller software version
HDMI controller update mode	HDMIUcom Update [XXX]	XXX: ON or OFF (switching with [↑] [↓] button of the remote commander) Reset control from the system controller side and the reset control from the PC side interfere mutually when updating the HDMI controller and it becomes writing NG Therefore, when this mode is set to ON, the reset control from the system controller side is not done
Auto cal mic test	SPEAKER OUT [XXXXXX]	XXXXXX: Selection of speaker output audio [SOURCE]: normally mode, [MIC]: mode that output audio from mic from speaker
FL display fonts test	FL FONT 0x ** = [X]	** : 20 to FE, X: character (switching with [↑] [↓] button of the remote commander)
FL display test	ALL ON	Each time DISPLAY button to change as follows. all on → test pattern 1 → test pattern 2 → all off → all on
Audio swap	SWAP [XXXXXXXXXXXX]	Switching with [↑] [↓] button of the remote commander
DSP halt	DSP HALT [XXX]	XXX: ON or OFF (switching with [↑] [↓] button of the remote commander) Mode not to send DSP host code, and to make only decipherment done
DSP RAM	[*****]=XXXXXXXX	Mode that refers to internal RAM of DSP (for design evaluation)
DSP Version display	DSP Ver S: ***, P: XXX	***: DSP decoder patch version XXX: DSP post process version
Volume value display (FL/FR)	FL**** FR XXXX	****: Front L-ch volume value XXXX: Front R-ch volume value
Volume value display (SL/SR)	SL**** SR XXXX	****: Surround L-ch volume value XXXX: Surround R-ch volume value
Volume value display (CT/SW)	CT**** SW XXXX	****: Center volume value XXXX: Sub woofer R-ch volume value
Volume value display (SBL/SBR)	SBL**** SBR XXXX	****: Surround back L-ch volume value XXXX: Surround back R-ch volume value
DAC mute information disclosure 1	DAC MUTE U XXXXXXXX	Display of module information to demand muting in system controller (for design evaluation)
DAC mute information disclosure 2	DAC MUTE L XXXXXXXX	Display of module information to demand muting in system controller (for design evaluation)
EERROM debug	EEPROM [*****] FR XX	****: EEPROM address XX: EEPROM data (switching with [↑] [↓] button of the remote commander)
Super reset	SUPER RESET [XXX]	Not used for the servicing If super reset is performed, "up convert signal level adjustment" will also be initialized When EEPROM initialization is required, perform the "all clear mode"
2nd volume value display	2nd VOLUME XXX	XXX: 2nd room volume value (00 to ∞)
FL display duty change	DARK OUT DUTY [XXX%]	XXX: Duty value of FL display (0% to 100%) (switching with [↑] [↓] button of the remote commander)
YUV Y drive	YUV Y DRIVE [XX]	XX: Gain control value of brightness (00 to 1F) (switching with [↑] [↓] button of the remote commander)

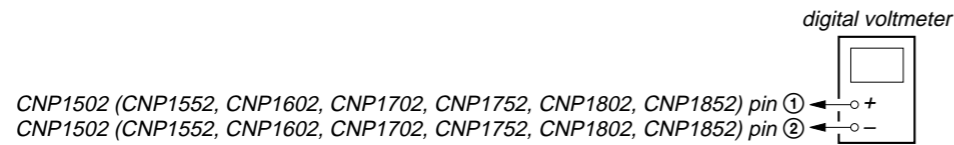
Items	Display	Remark
YUV U drive	YUV U DRIVE [XX]	XX: Gain control value of color difference (Cb) (00 to 1F) (switching with   button of the remote commander)
YUV V drive	YUV V DRIVE [XX]	XX: Gain control value of color difference (Cr) (00 to 1F) (switching with   button of the remote commander)
Stop clock	STOP CLK [XX] [XX] [XX]	Value of register related to clock of system controller display mode (for design evaluation)

SECTION 5 ELECTRICAL ADJUSTMENTS

BIAS ALIGNMENT ADJUSTMENT

Note: After 10 minutes or more have passed since the power supply was turned on, this adjustment is done.

Connection

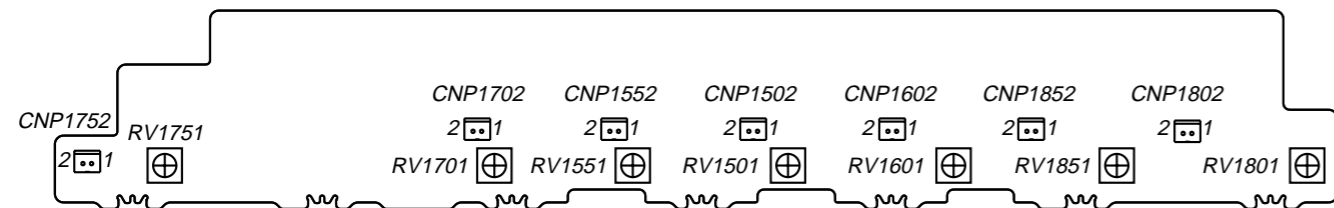


Procedure:

1. Connect a digital voltmeter to the CNP1502 (CNP1552, CNP1602, CNP1702, CNP1752, CNP1802, CNP1852) on the BIAS board.
2. Press the **POWER** button to turn on the main power.
3. Adjust the RV1501 (RV1551, RV1601, RV1701, RV1751, RV1801, RV1851) so that the digital voltmeter reading is 5 mV to 20 mV.

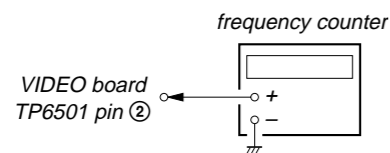
Adjustment and Connection Location:

– BIAS Board (Component Side) –



OSD ADJUSTMENT

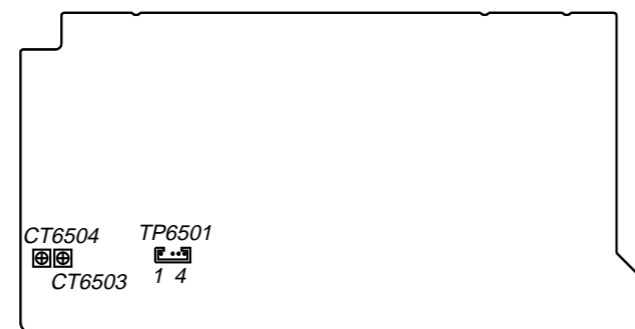
Connection



1. Connect a frequency counter to the TP6501 pin 2 on the VIDEO board.
2. Press the **POWER** button to turn on the main power.
3. Perform the MEMORY CREATING MODE.
4. Press the **MENU** button on the remote commander to display "Label Setting".
5. Press the **▲** button on the remote commander to display "Video Settings" and press the **⊕** button on the remote commander.
6. Press the **▲** button on the remote commander to display "COLOR SYSTEM" and press the **⊕** button on the remote commander.
7. Press the **▲** button on the remote commander to select NTSC.
8. Adjust the CT6503 so that the frequency counter reading is 3.579545 MHz.
9. Press the **▲** button on the remote commander to select PAL.
10. Adjust the CT6504 so that the frequency counter reading is 4.433618 MHz.

Adjustment and Connection Location:

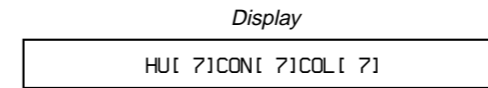
– VIDEO Board (Component Side) –



UP CONVERT SIGNAL LEVEL ADJUSTMENT

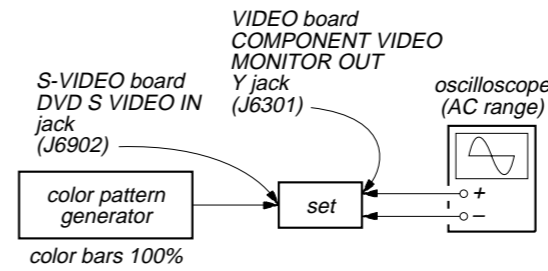
Enter the test mode

1. In the standby status, press the **POWER** button while pressing the **2CH** and **TONE MODE** buttons.
2. It enters the test mode, and display as below figure.



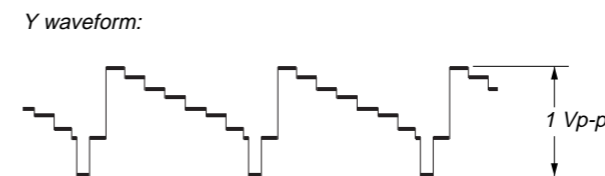
1. Y Level Adjustment

Setting:



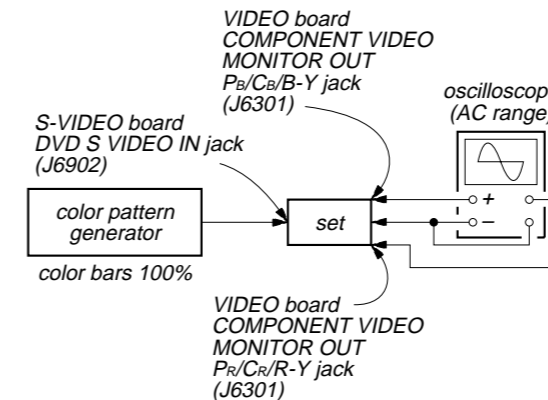
Procedure:

1. Connect a color pattern generator to the DVD S VIDEO IN jack (J6902) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO MONITOR OUT Y jack (J6301) on the VIDEO board.
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Adjust the **TUNING** dial so that the Vp-p value of waveform becomes 1 Vp-p.



2. Color Level Adjustment

Setting:



Procedure:

1. Connect a color pattern generator to the DVD S VIDEO IN jack (J6902) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO MONITOR OUT Pb/Cb/B-Y jack and COMPONENT VIDEO MONITOR OUT Pr/Cr/R-Y jack (J6301) on the VIDEO board.

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 **INPUT SELECTOR** 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:

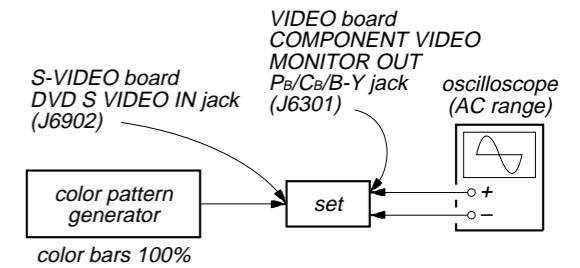


C_R waveform:



3. HUE Level Adjustment

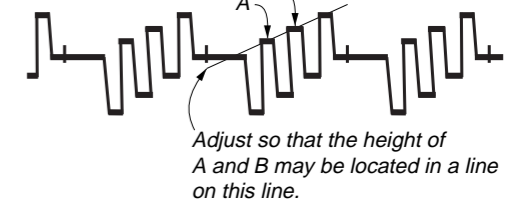
Setting:



Procedure:

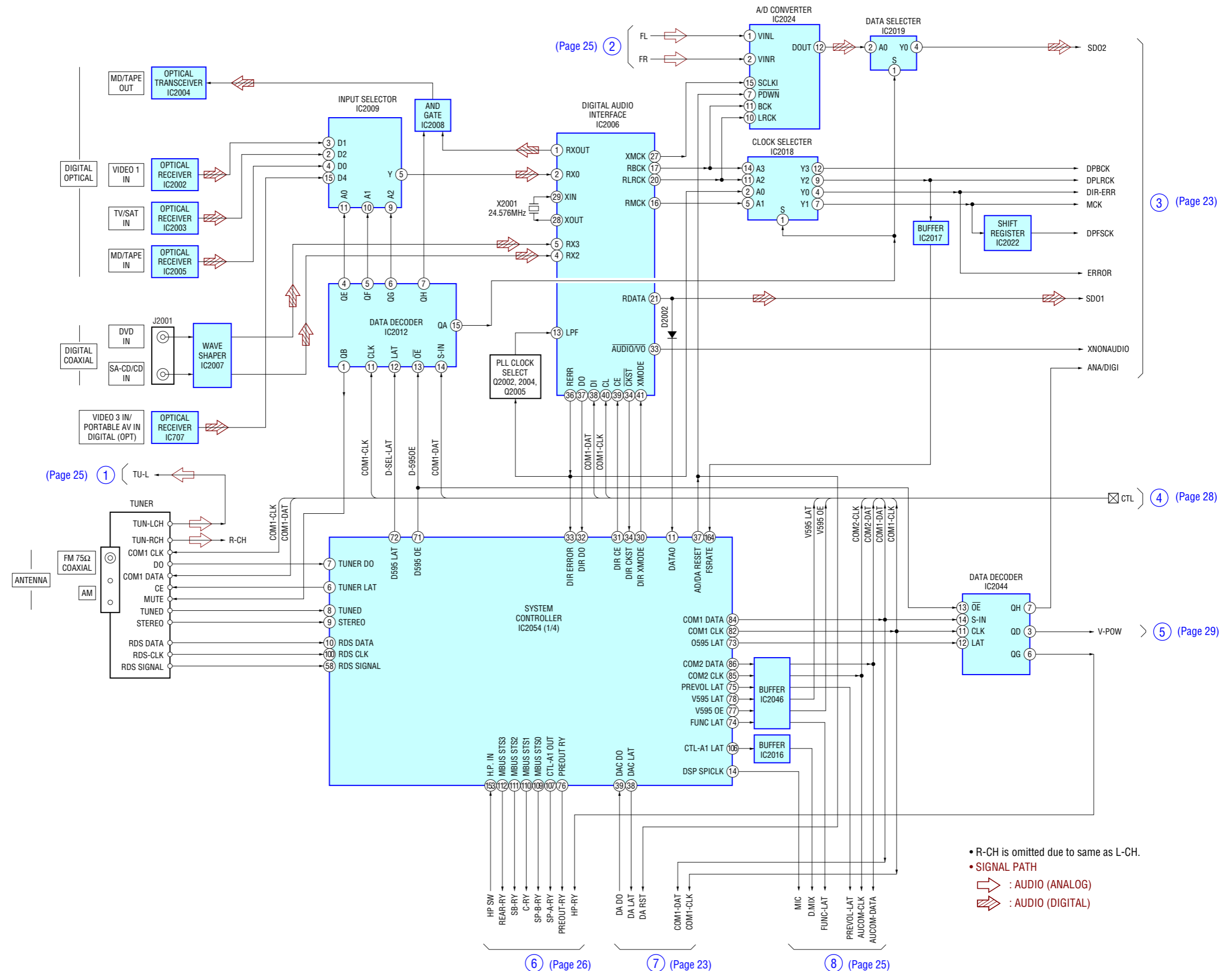
1. Connect a color pattern generator to the DVD S VIDEO IN jack (J6902) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO MONITOR OUT Pb/Cb/B-Y jack (J6301) on the VIDEO board.
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Adjust the **TONE** dial so that the waveform as below.

C_B waveform:

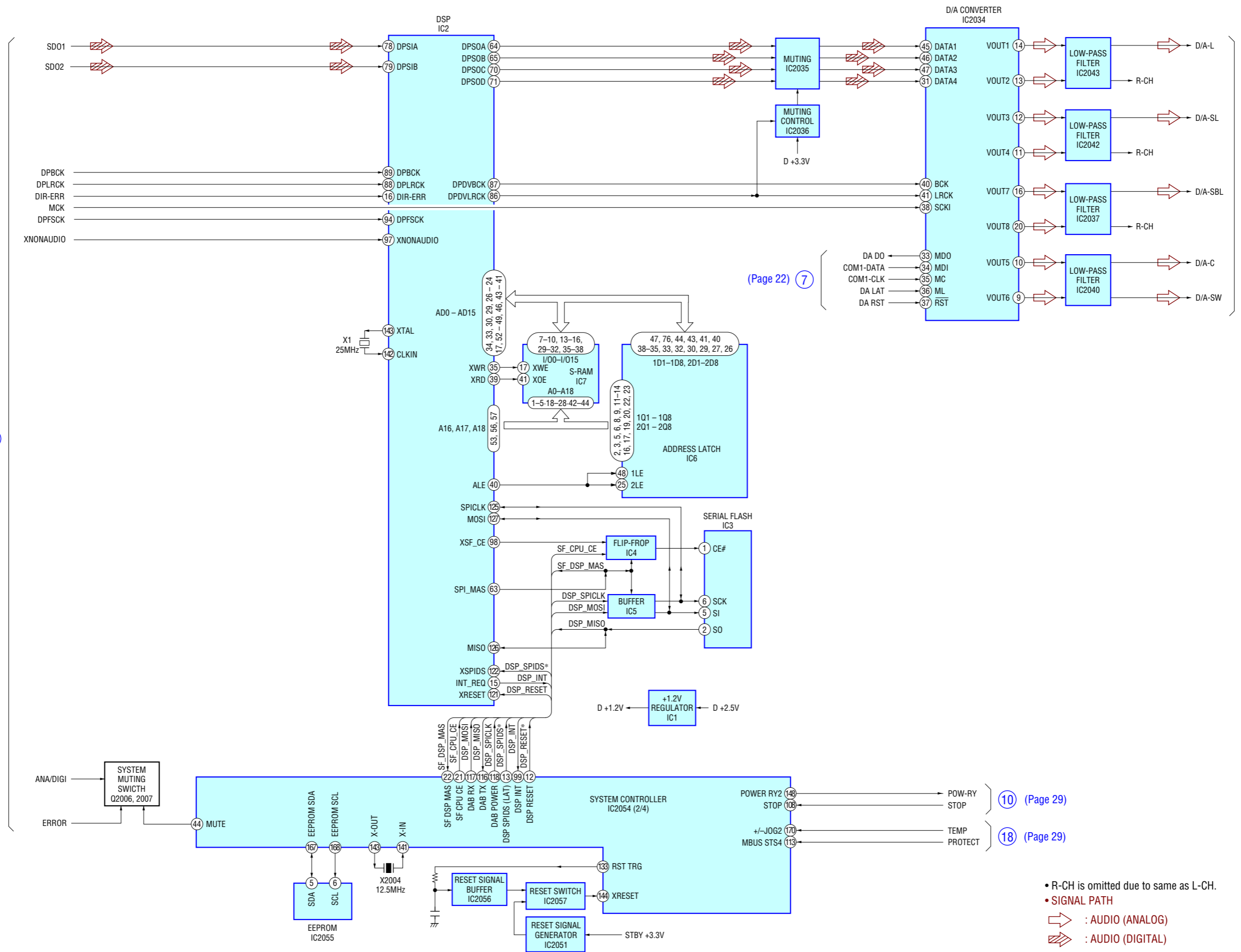


**SECTION 6
DIAGRAMS**

6-1. BLOCK DIAGRAM – CONTROL Section –



6-2. BLOCK DIAGRAM – DSP Section –



(Page 22) 3

(Page 22) 7

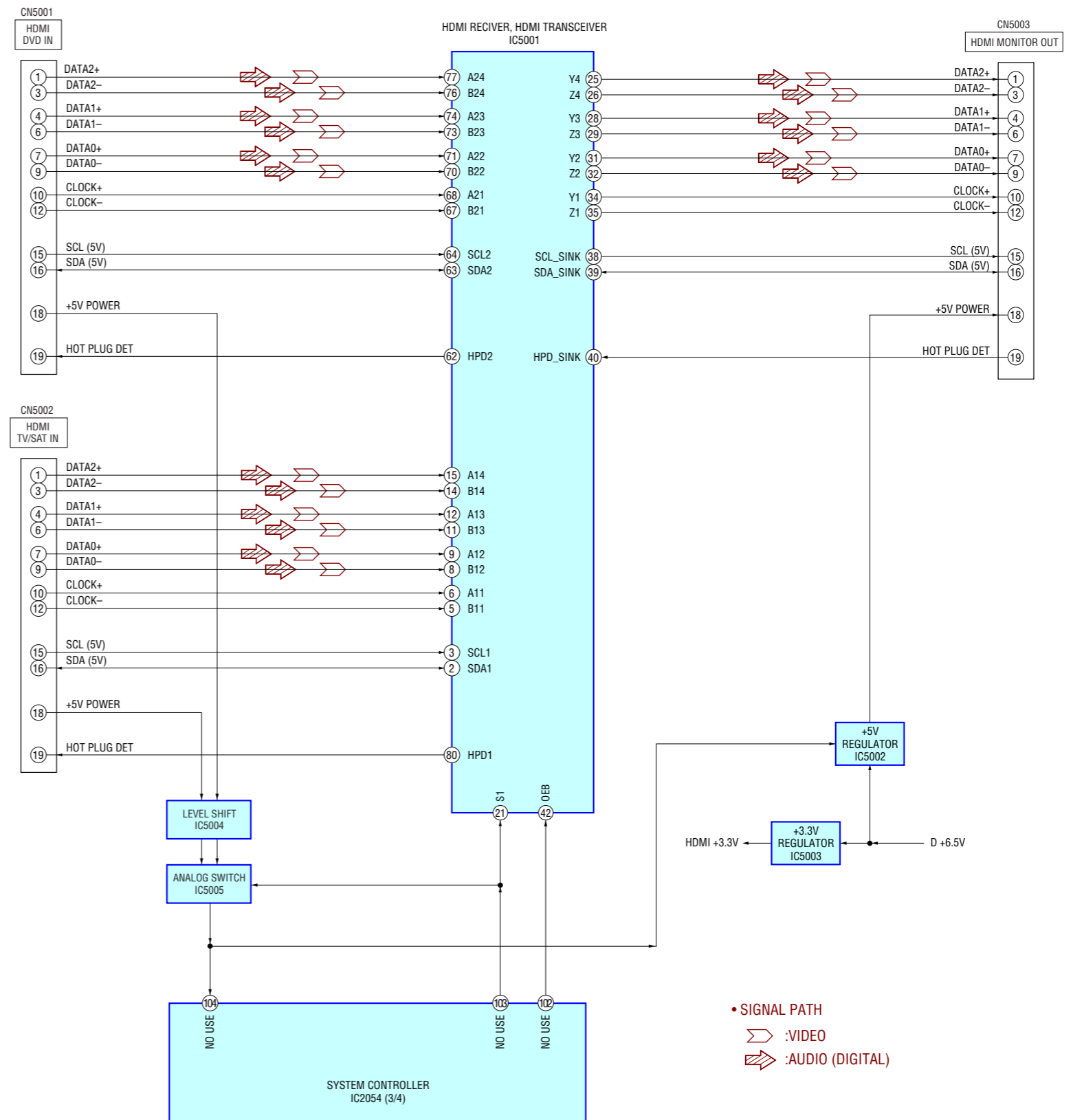
9 (Page 25)

10 (Page 29)

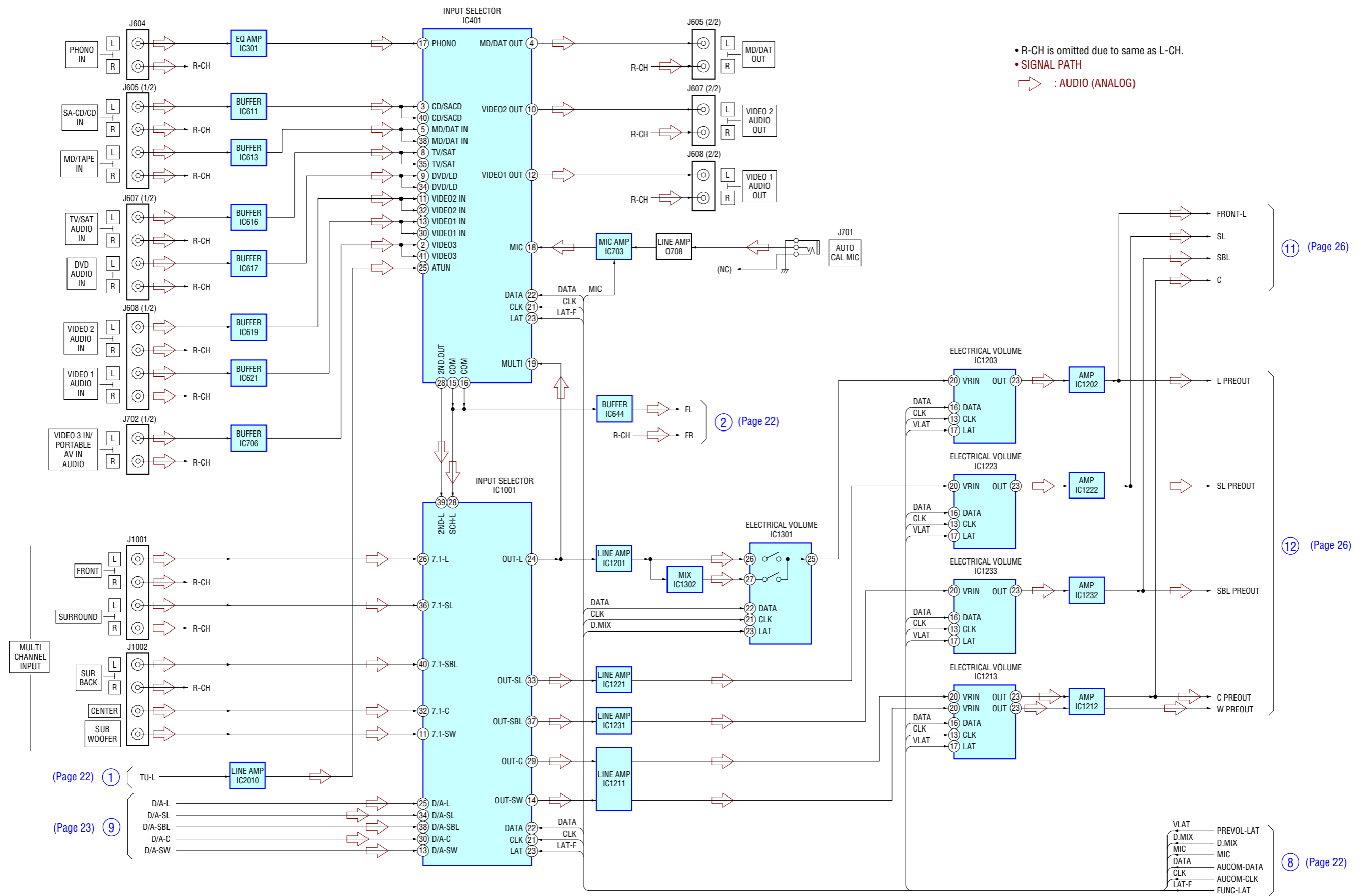
18 (Page 29)

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

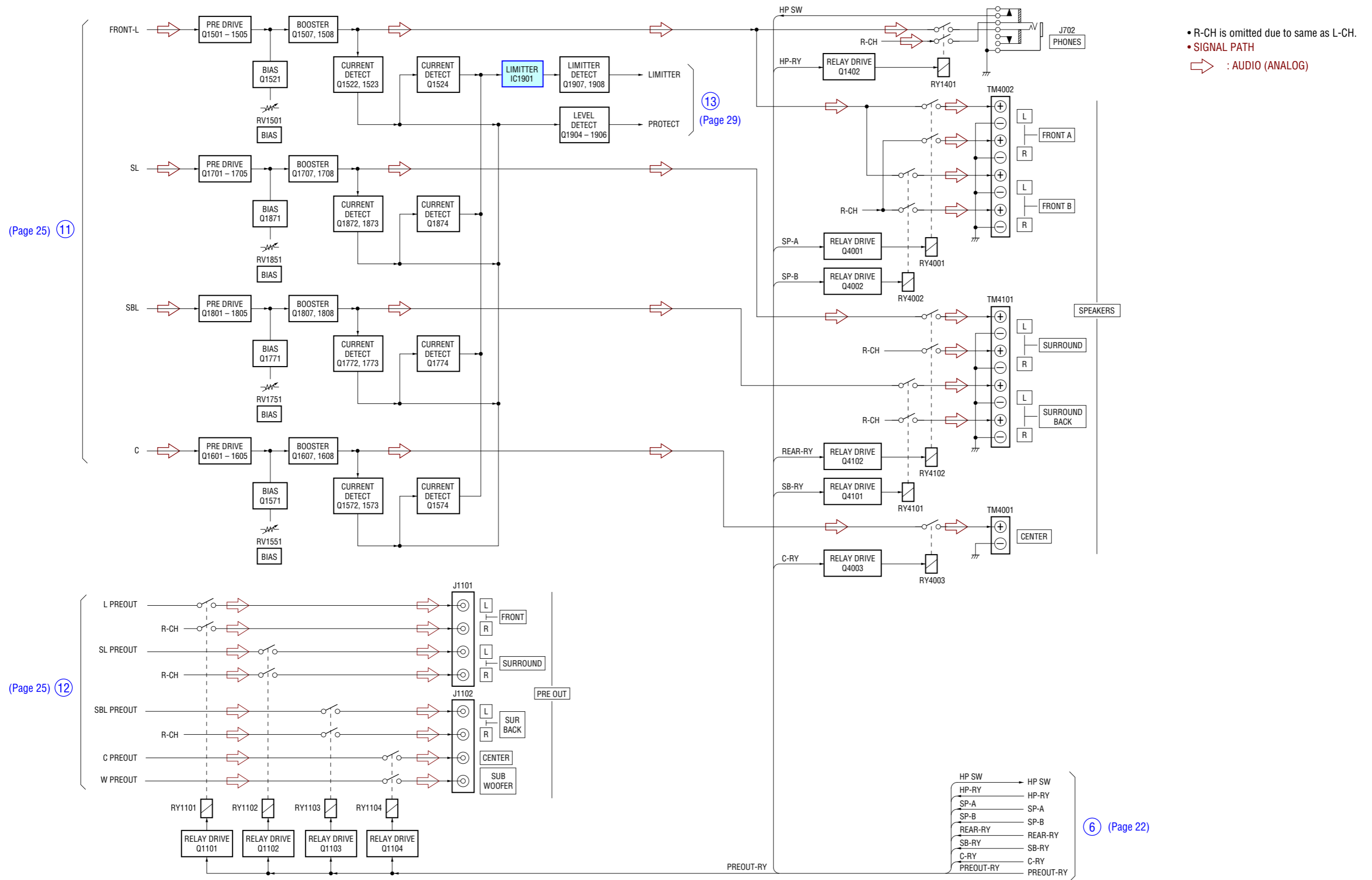
6-3. BLOCK DIAGRAM – HDMI Section –



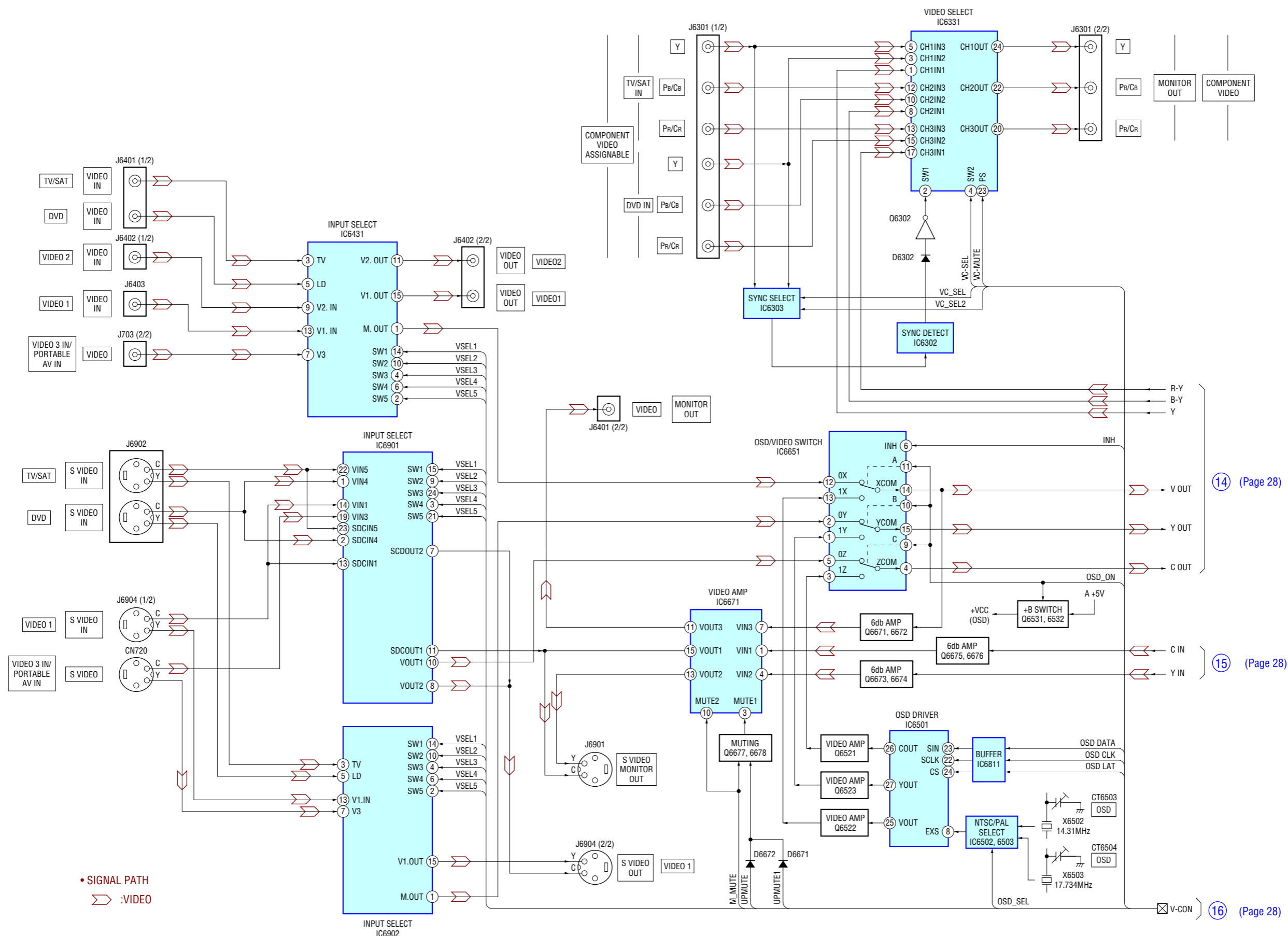
6-4. BLOCK DIAGRAM – ANALOG AUDIO Section –



6-5. BLOCK DIAGRAM – POWER AMP Section –



6-6. BLOCK DIAGRAM – VIDEO Section –



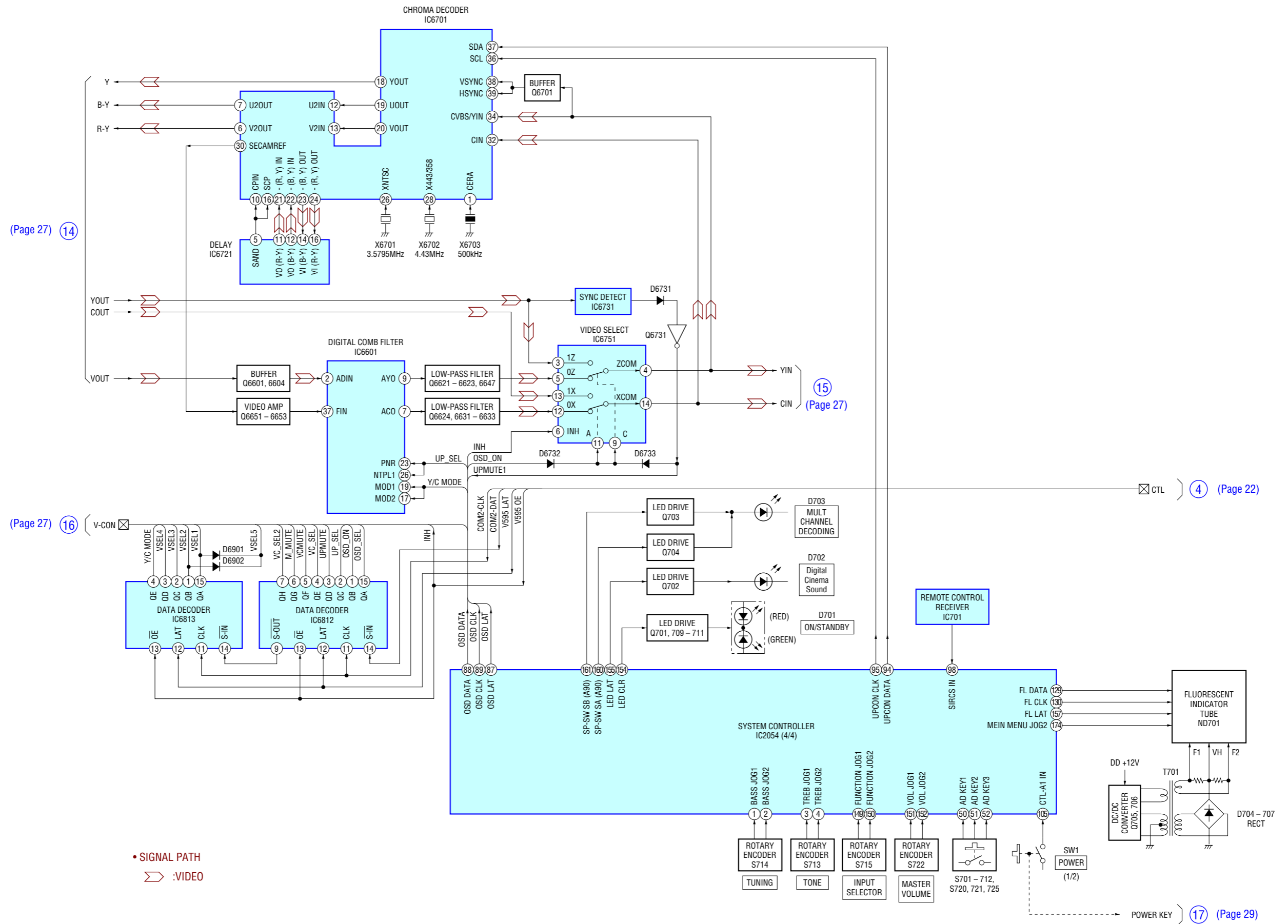
• SIGNAL PATH
➤ :VIDEO

14 (Page 28)

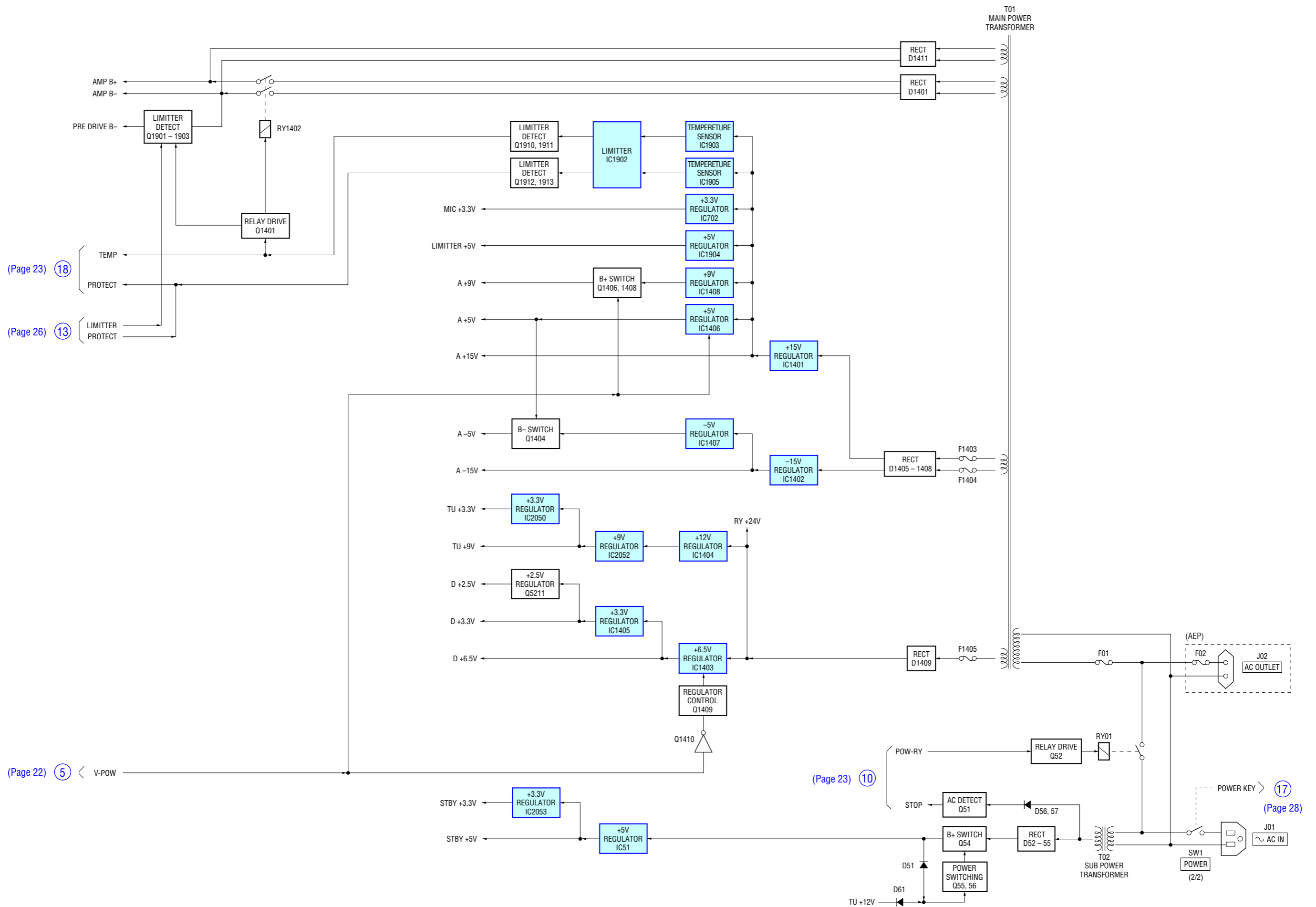
15 (Page 28)

16 (Page 28)

6-7. BLOCK DIAGRAM – DISPLAY Section –



6-8. BLOCK DIAGRAM – POWER SUPPLY Section –



• Note for Printed Wiring Boards and Schematic Diagrams

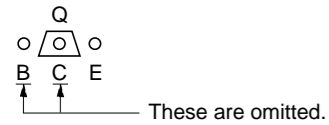
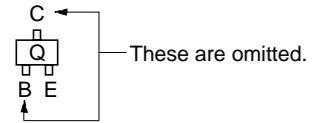
Note on Printed Wiring Board:

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

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

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

- DSP, HDMI SW boards are multi-layer printed board. However, the patterns of intermediate-layers have not been included in this diagrams.
- Indication of transistor



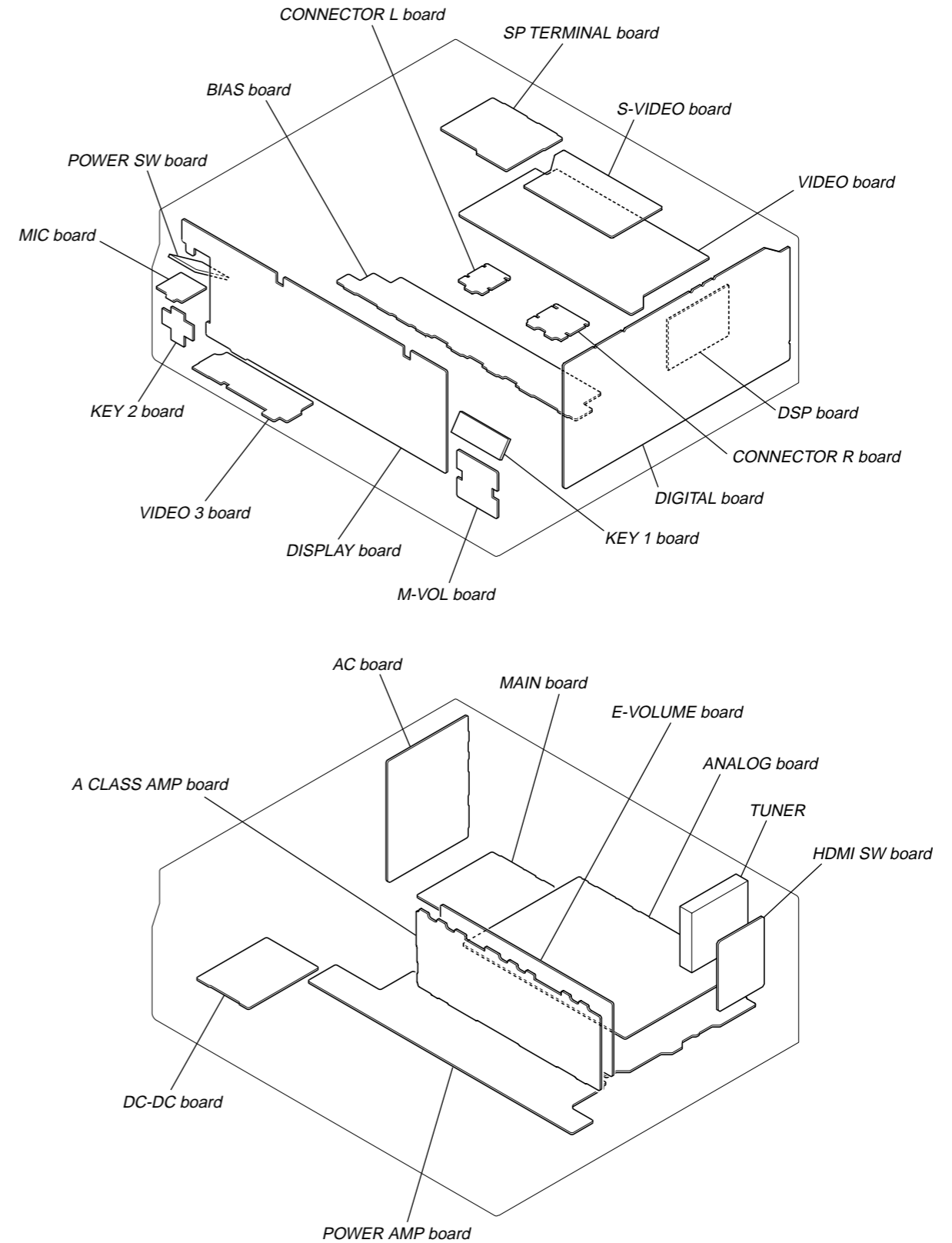
Note on Schematic Diagram:

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

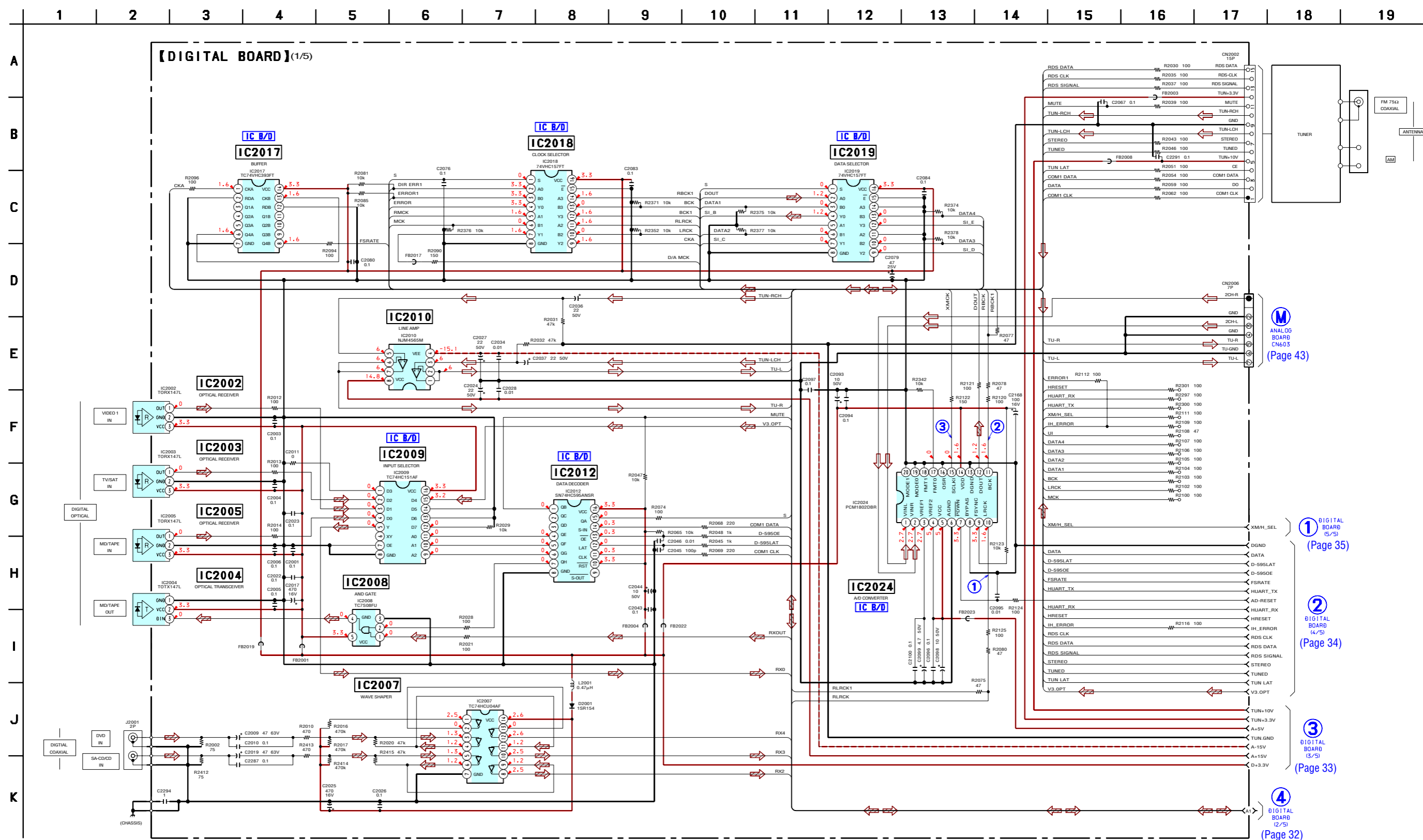
Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

- : B+ Line.
- - - : B- Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
 - VIDEO, S-VIDEO boards - no mark : VIDEO 1 mode
 - Other boards - no mark : TUNER
- Voltages are taken with a VOM (Input impedance 10 MW). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - ⇒ : AUDIO (ANALOG)
 - ⇒ : AUDIO (DIGITAL)
 - ∩ : VIDEO

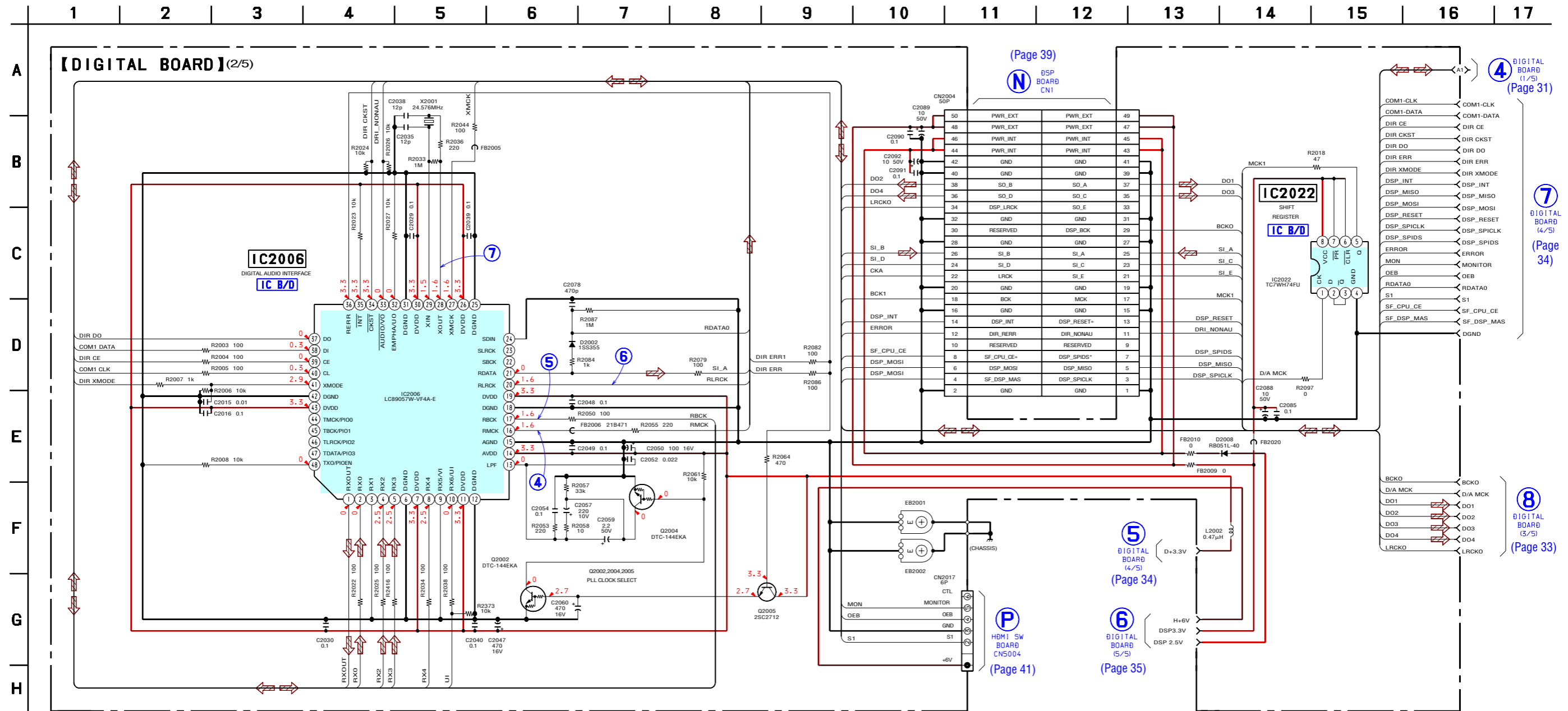
• Circuit Boards Location



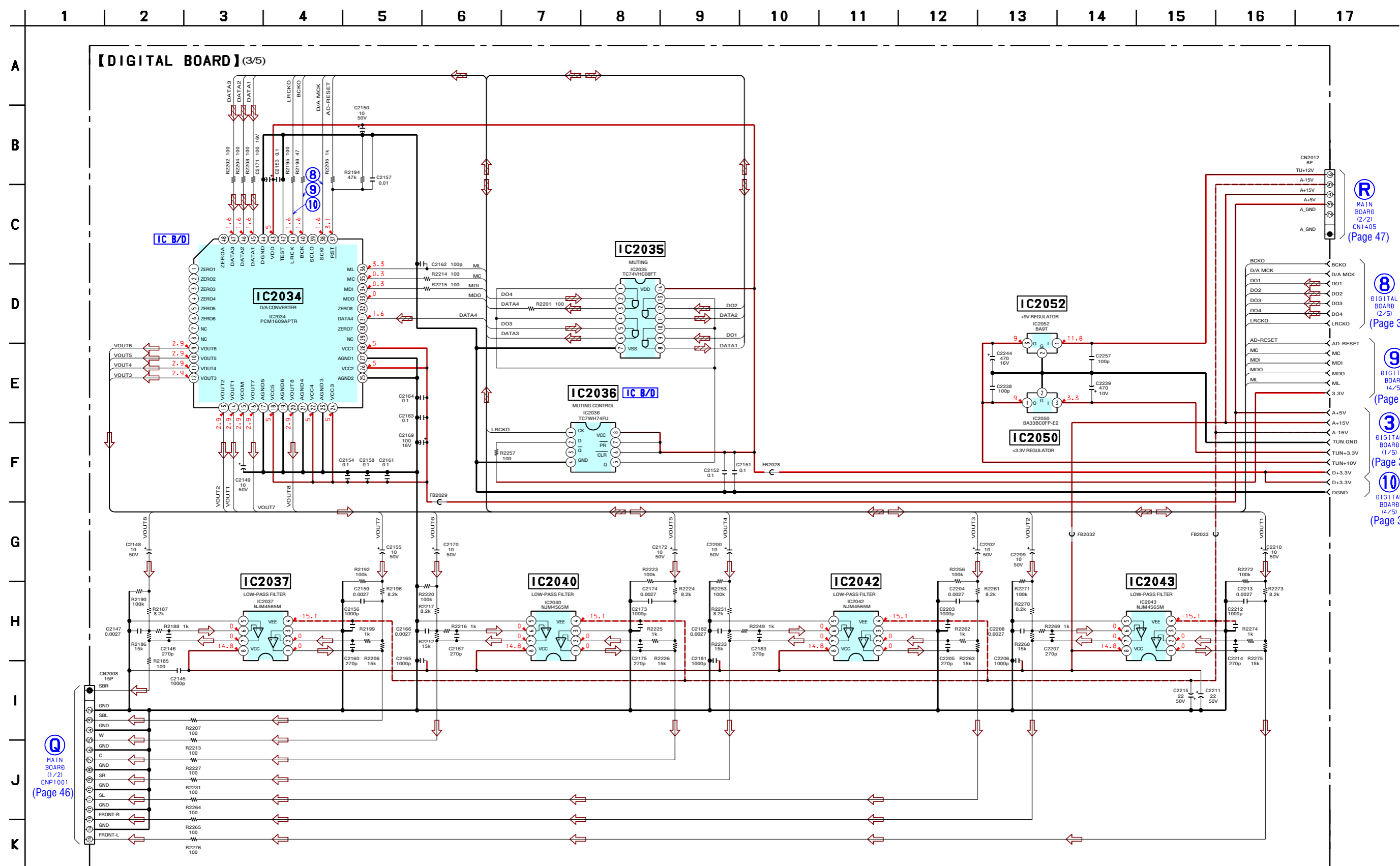
6-9. SCHEMATIC DIAGRAM – DIGITAL Board (1/5) – • See page 44 for Waveforms. • See page 72 for IC Block Diagrams.



6-10. SCHEMATIC DIAGRAM – DIGITAL Board (2/5) – • See page 44 for Waveforms. • See page 72 for IC Block Diagrams.

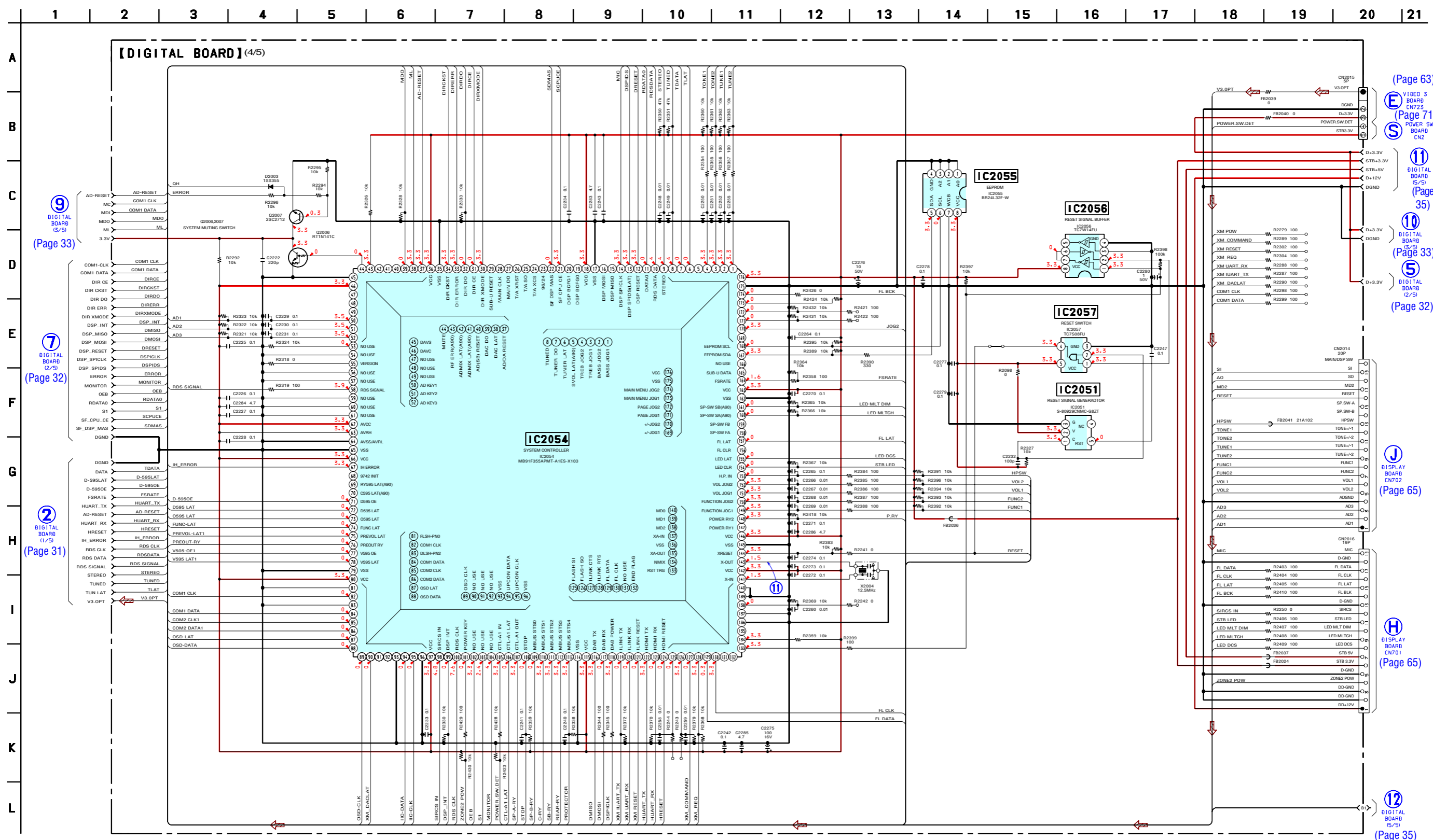


6-11. SCHEMATIC DIAGRAM – DIGITAL Board (3/5) – • See page 44 for Waveforms. • See page 72 for IC Block Diagrams.

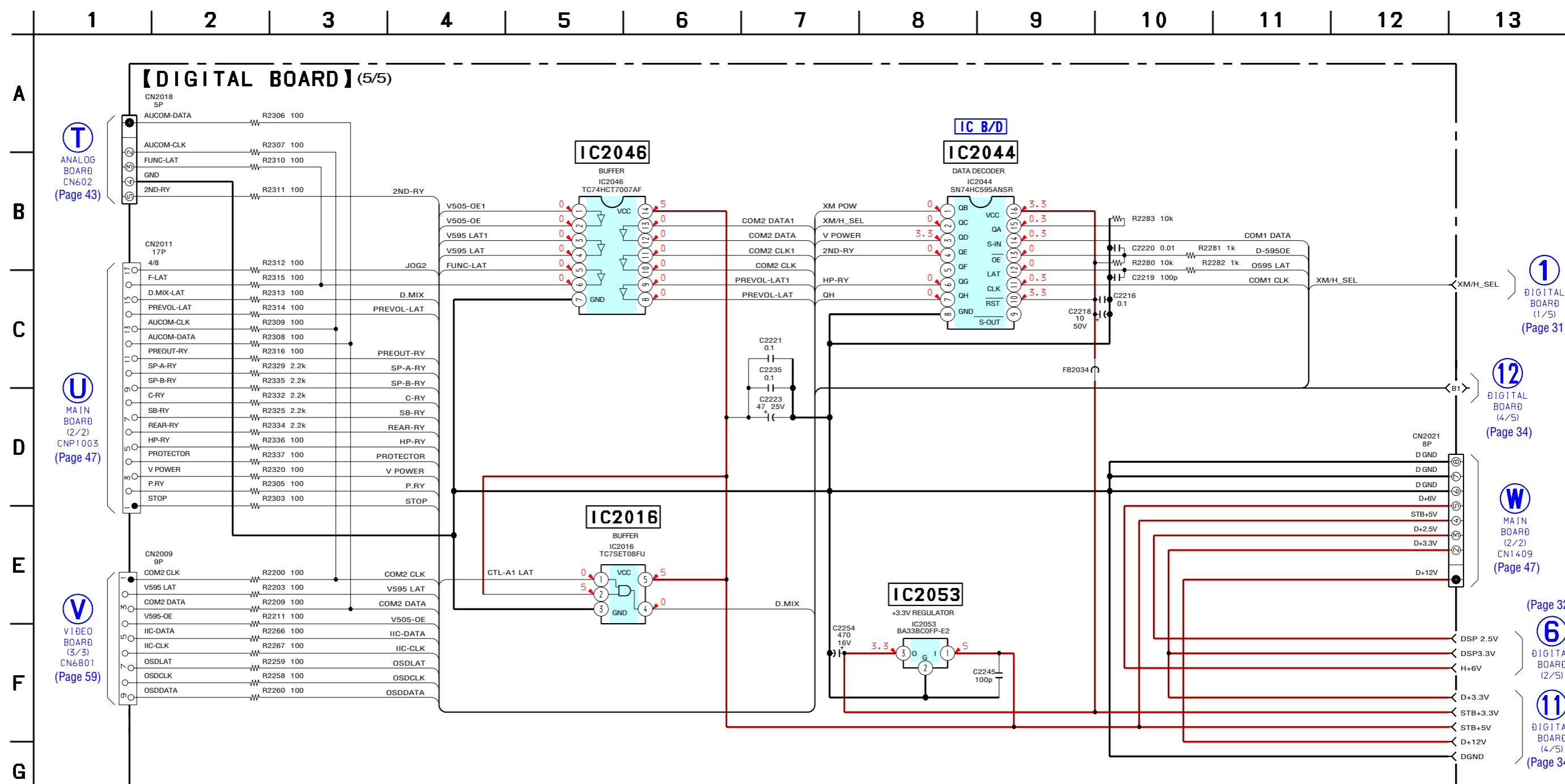



- Q** MAIN BOARD (1/2) CNP1001 (Page 46)
- R** MAIN BOARD (2/2) CN1405 (Page 47)
- 8** DIGITAL BOARD (2/5) (Page 32)
- 9** DIGITAL BOARD (4/5) (Page 34)
- 3** DIGITAL BOARD (1/5) (Page 31)
- 10** DIGITAL BOARD (4/5) (Page 34)

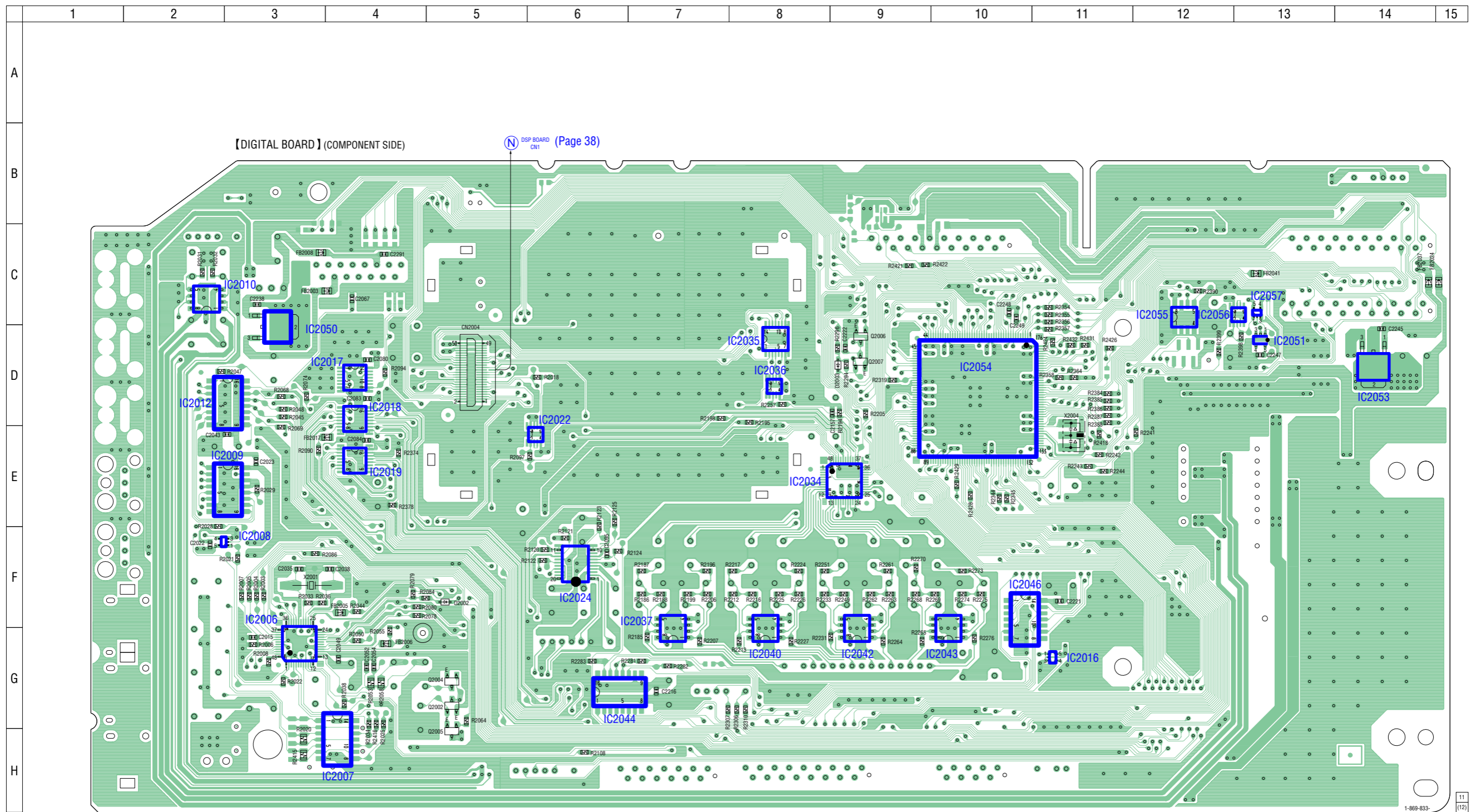
6-12. SCHEMATIC DIAGRAM – DIGITAL Board (4/5) – • See page 44 for Waveforms. • See page 83 for IC Pin Function Description.



6-13. SCHEMATIC DIAGRAM – DIGITAL Board (5/5) – • See page 72 for IC Block Diagrams.



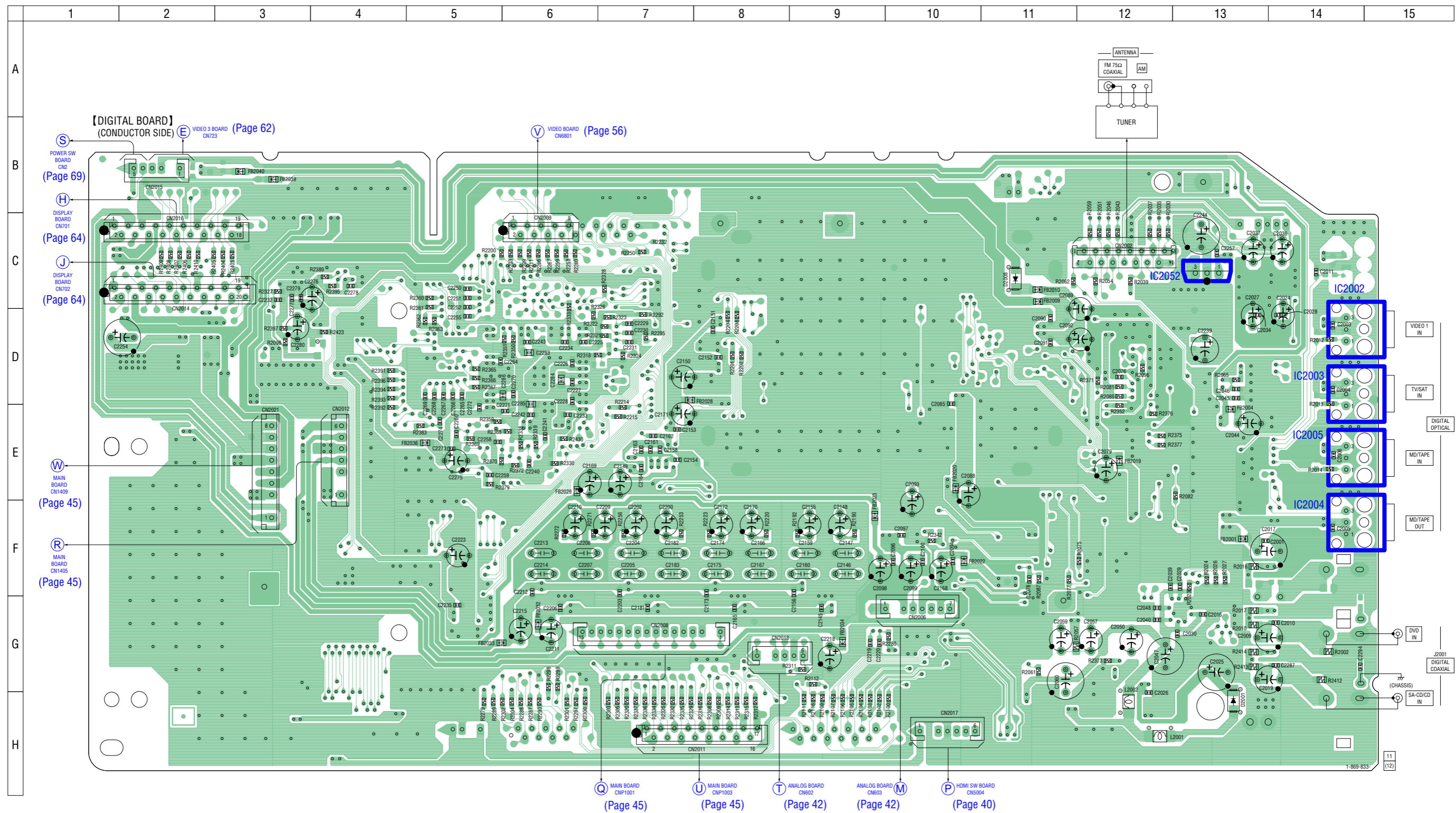
6-14. PRINTED WIRING BOARD – DIGITAL Board (Component Side) – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D2002	F-5	IC2022	E-6	IC2053	D-14
D2003	D-9	IC2024	F-6	IC2054	D-10
		IC2034	E-9	IC2055	C-12
IC2006	G-3	IC2035	D-8	IC2056	C-13
IC2007	H-4	IC2036	D-8	IC2057	C-13
IC2008	F-3	IC2037	G-7		
IC2009	E-3	IC2040	G-8	Q2002	G-5
IC2010	C-2	IC2042	G-9	Q2004	G-5
IC2012	D-3	IC2043	G-10	Q2005	H-5
IC2016	G-11	IC2044	G-6	Q2006	D-9
IC2017	D-4	IC2046	F-10	Q2007	D-9
IC2018	D-4	IC2050	D-3		
IC2019	E-4	IC2051	D-13		

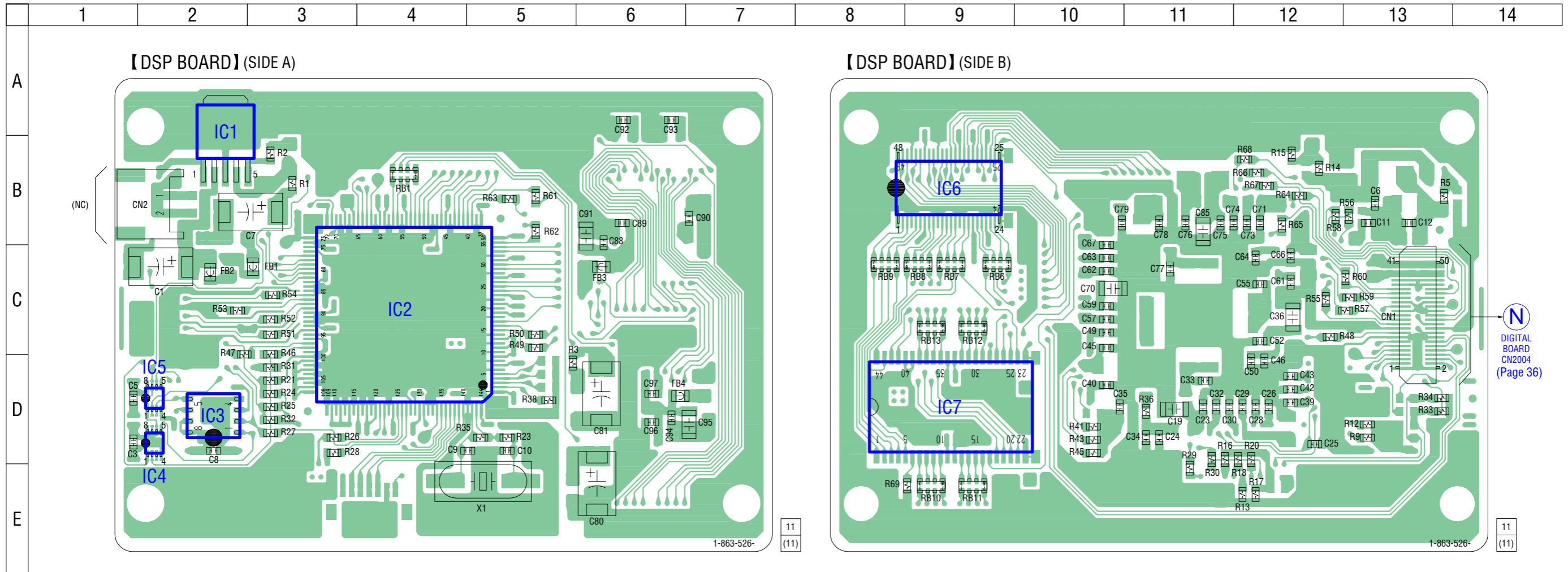
6-15. PRINTED WIRING BOARD – DIGITAL Board (Conductor Side) – • See page 30 for Circuit Boards Location. **LF** : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D2001	H-13
D2008	C-11
IC2002	D-14
IC2003	D-14
IC2004	F-14
IC2005	E-14
IC2052	C-12

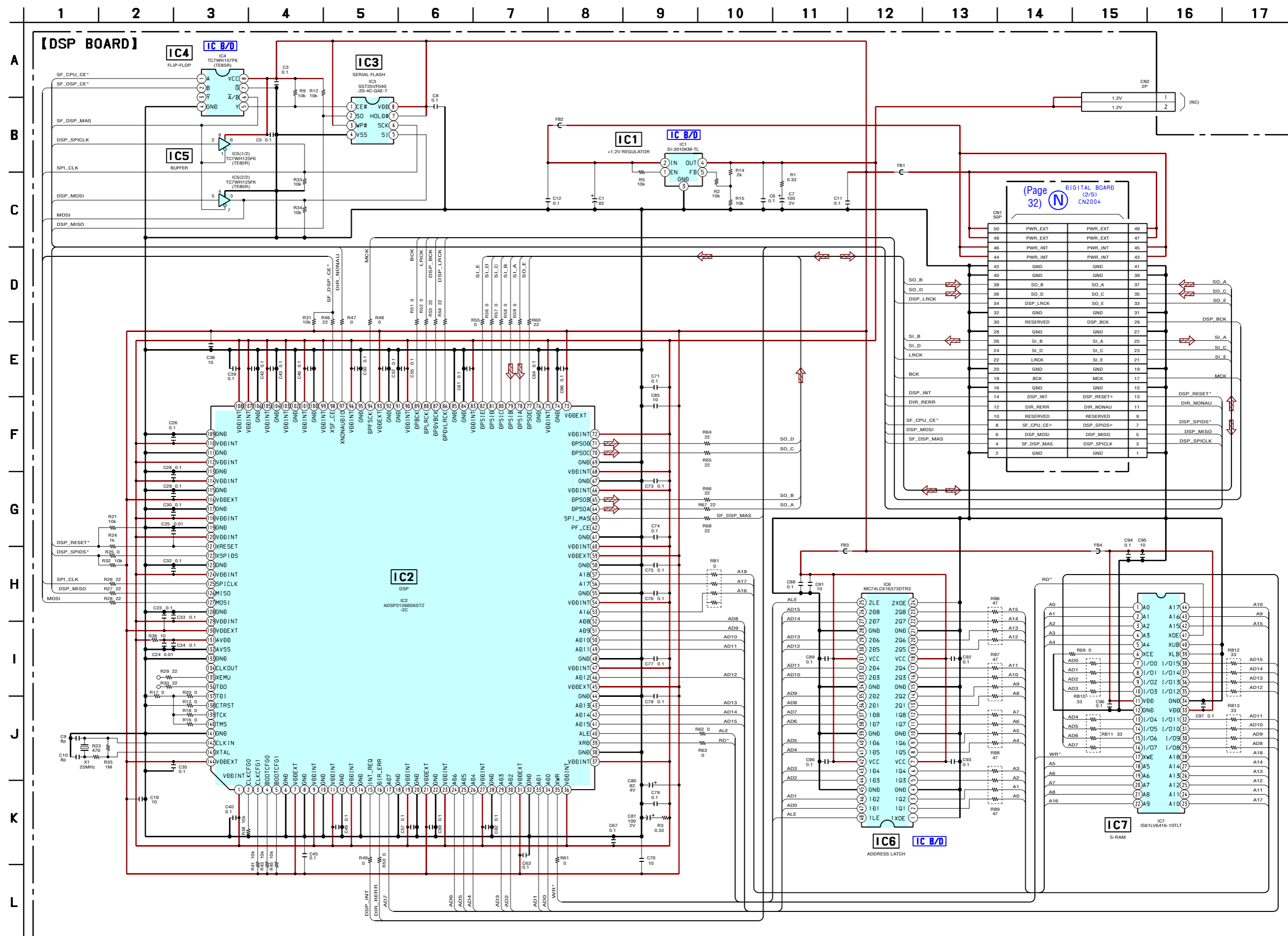
6-16. PRINTED WIRING BOARD – DSP Board – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.




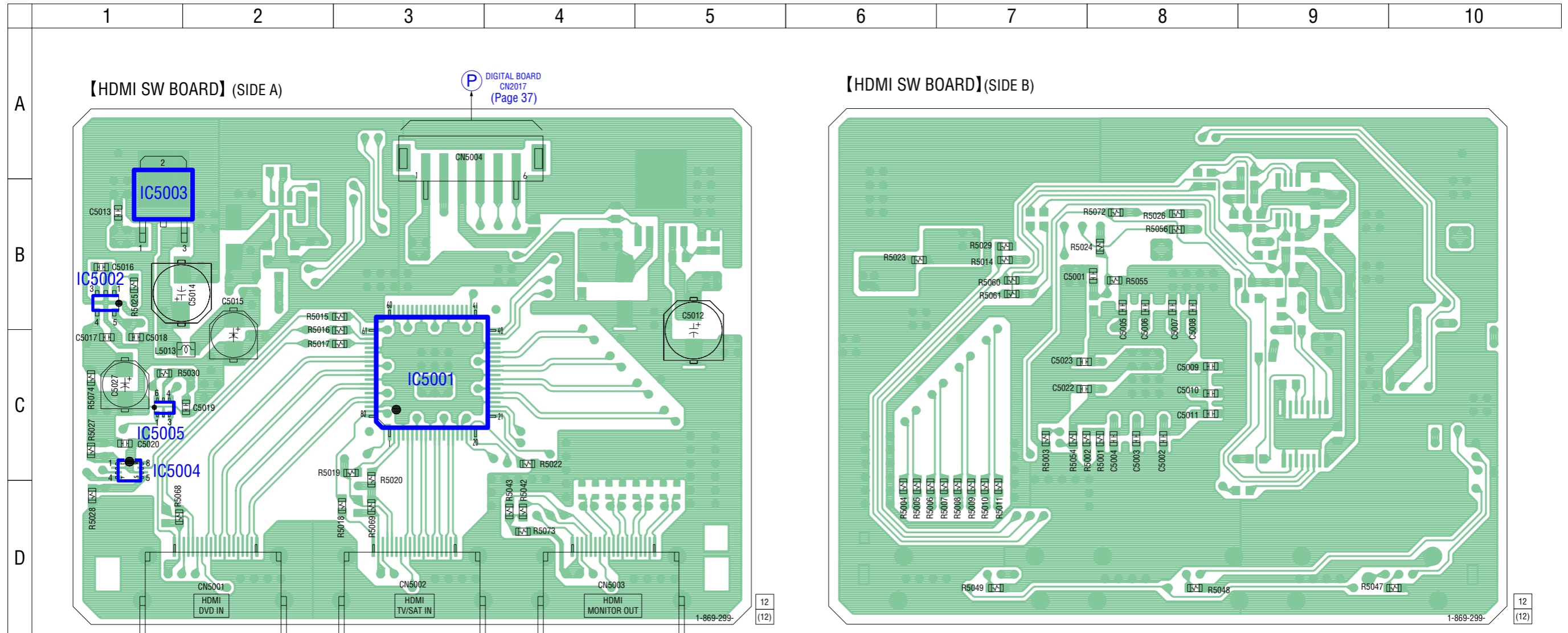
• Semiconductor Location

Ref. No.	Location
IC1	B-2
IC2	C-4
IC3	D-2
IC4	D-2
IC5	D-2
IC6	B-9
IC7	D-9

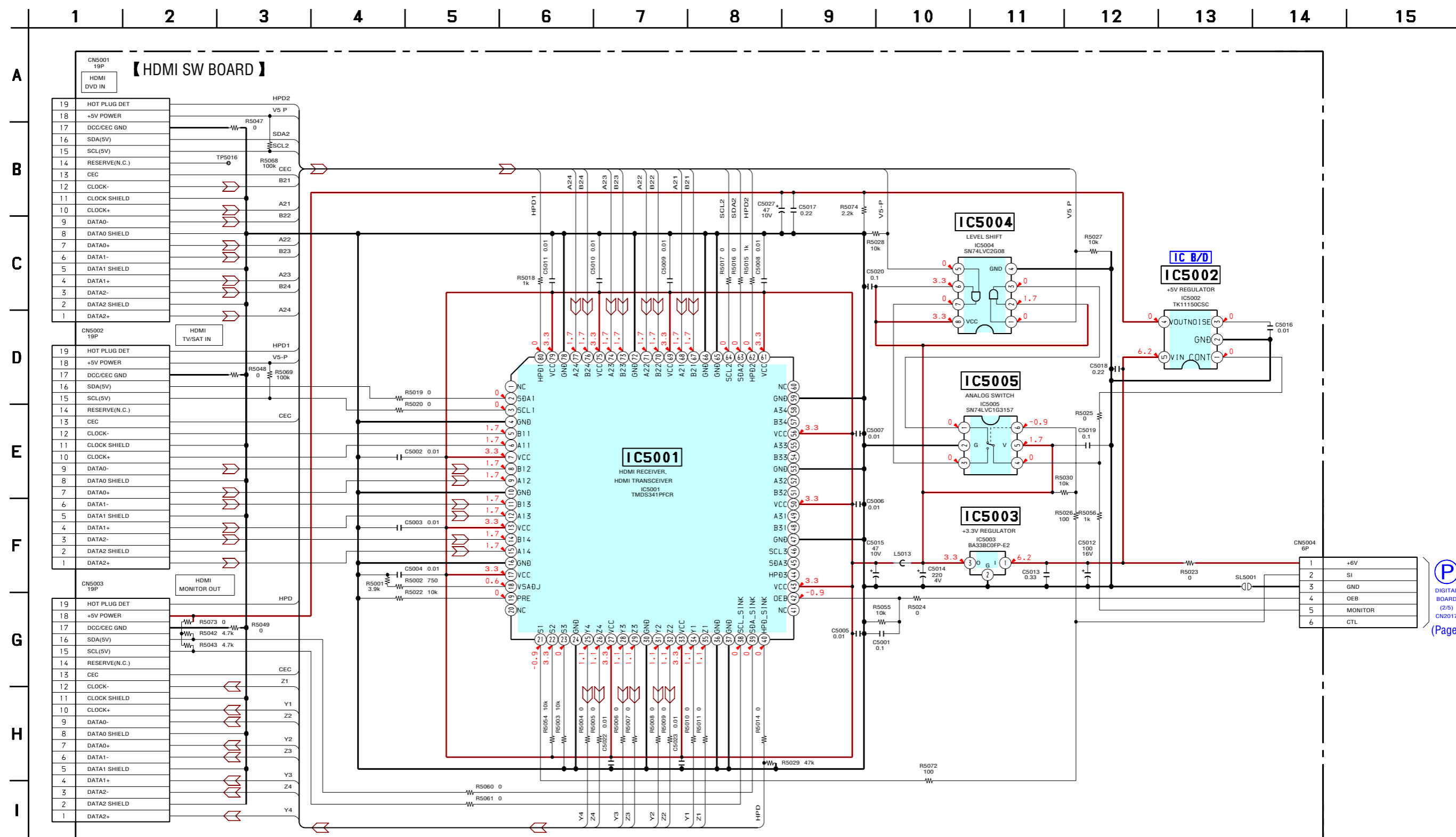
6-17. SCHEMATIC DIAGRAM – DSP Board – • See page 72 for IC Block Diagrams. • See page 83 for IC Pin Function Description.




6-18. PRINTED WIRING BOARD – HDMI SW Board – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.



6-19. SCHEMATIC DIAGRAM – HDMI SW Board – • See page 72 for IC Block Diagrams. • See page 83 for IC Pin Function Description.

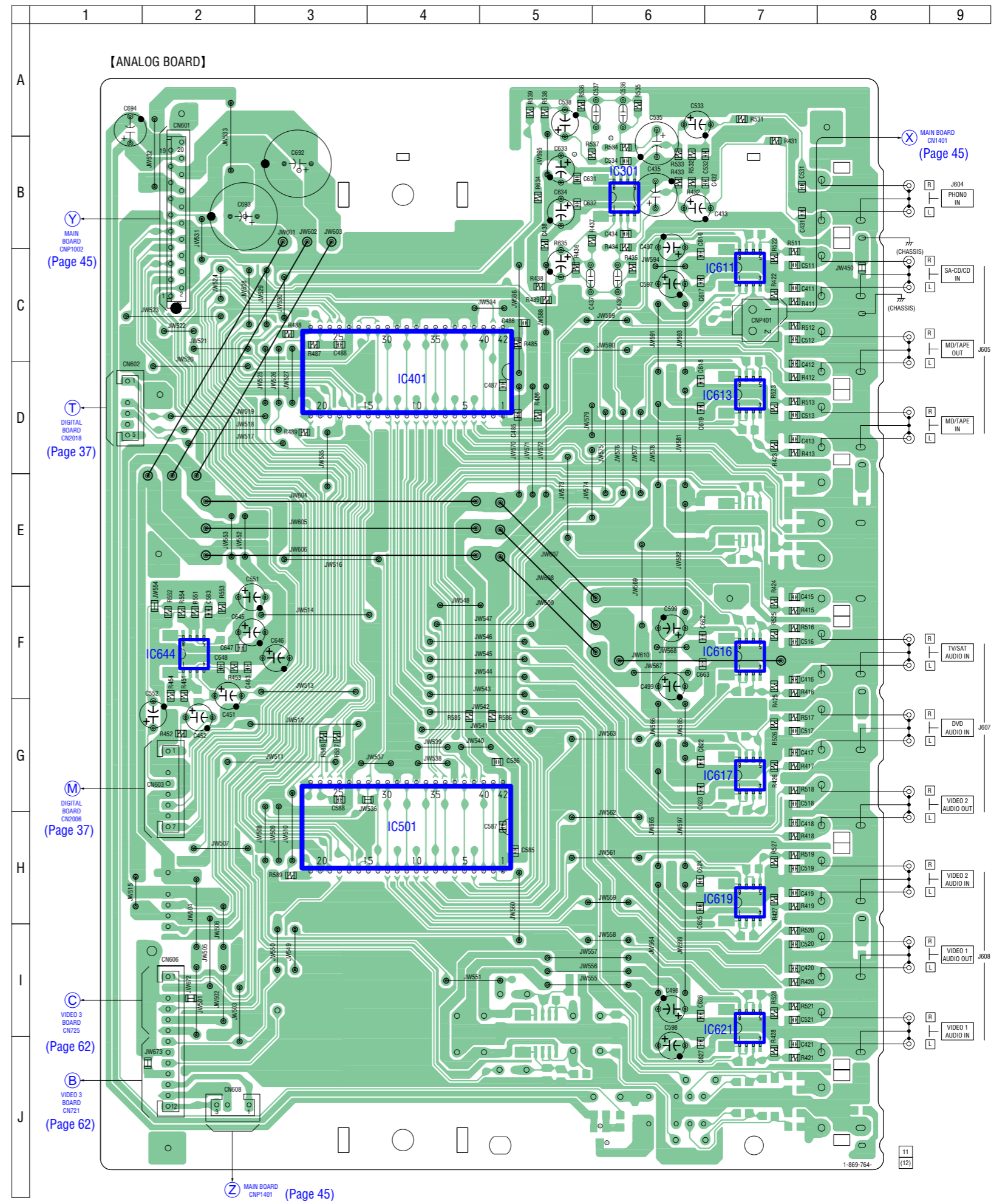


DIGITAL BOARD (2/5) CN2017 (Page 32)

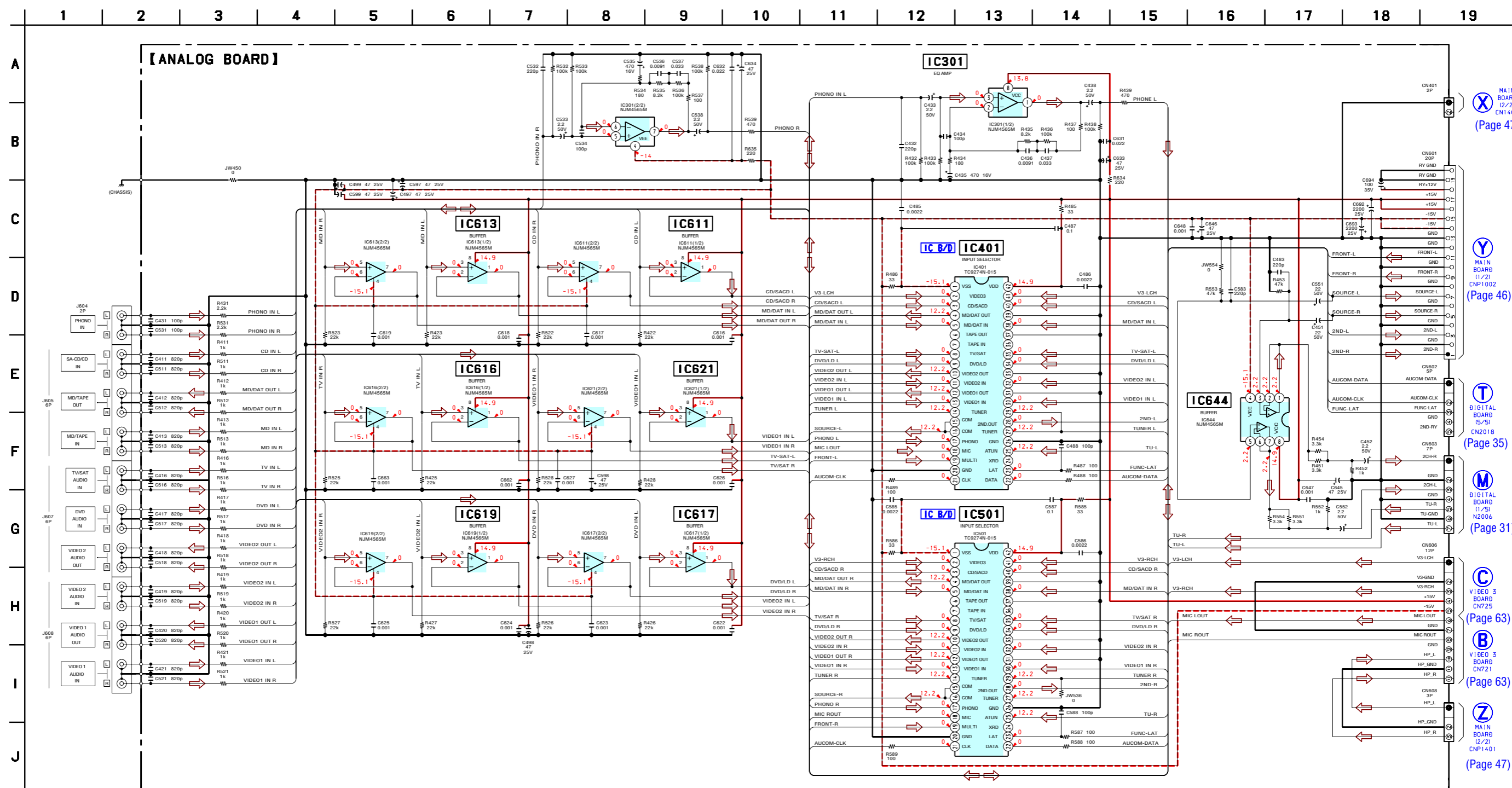
6-20. PRINTED WIRING BOARD – ANALOG Board – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.

• Semiconductor Location

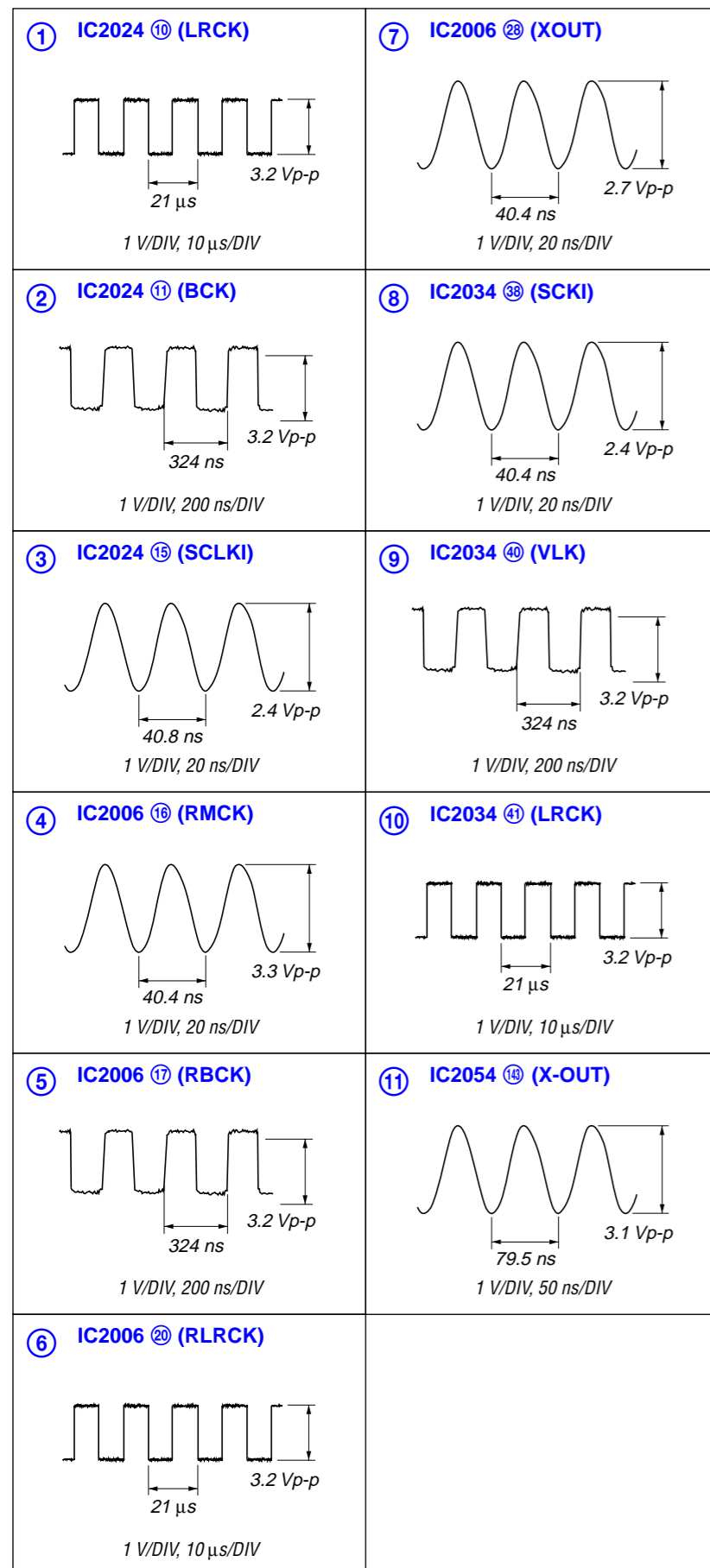
Ref. No.	Location
IC301	B-6
IC401	D-4
IC501	H-4
IC611	C-7
IC613	D-7
IC616	F-7
IC617	G-7
IC619	H-7
IC621	I-7
IC644	F-2



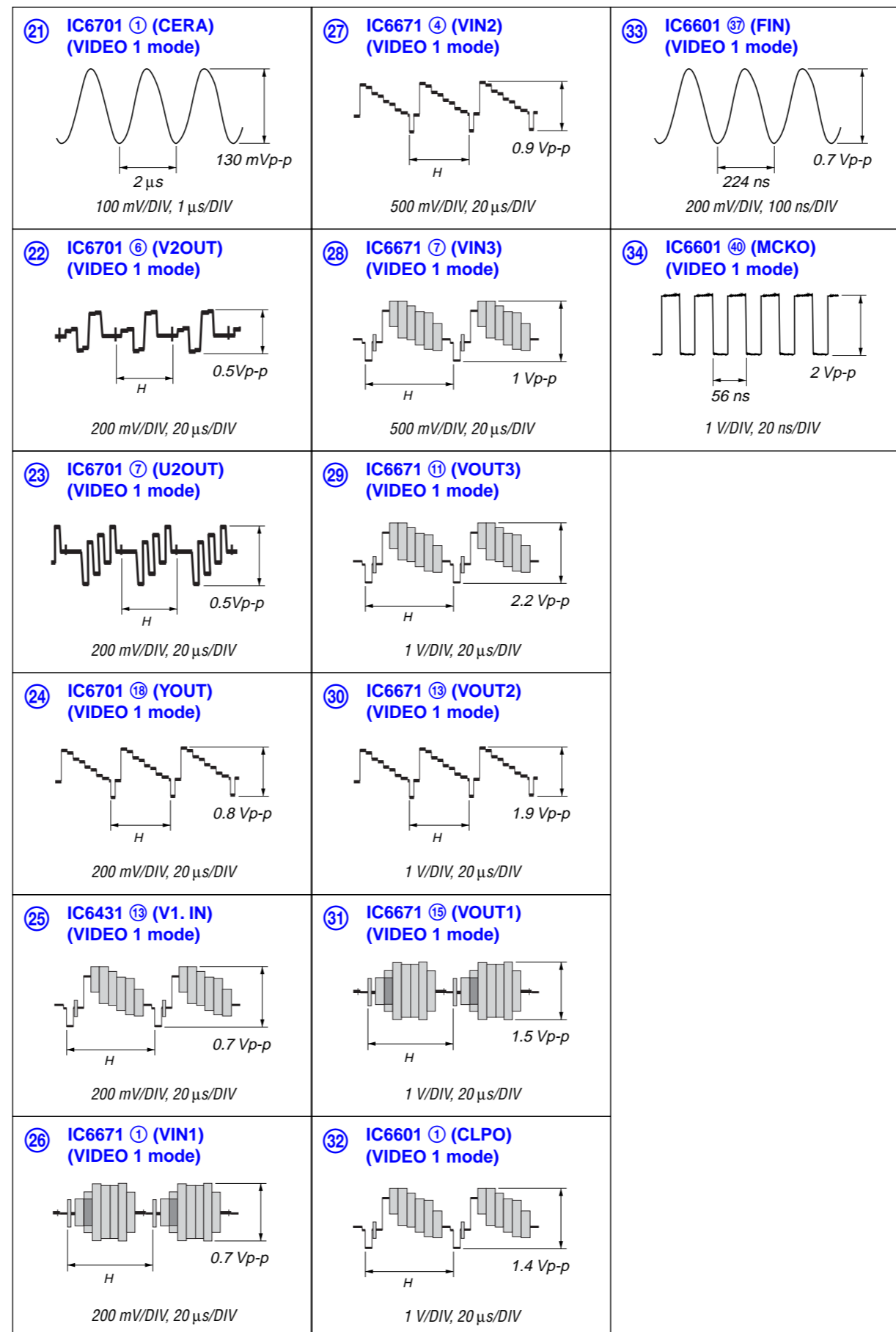
6-21. SCHEMATIC DIAGRAM – ANALOG Board – • See page 72 for IC Block Diagrams.



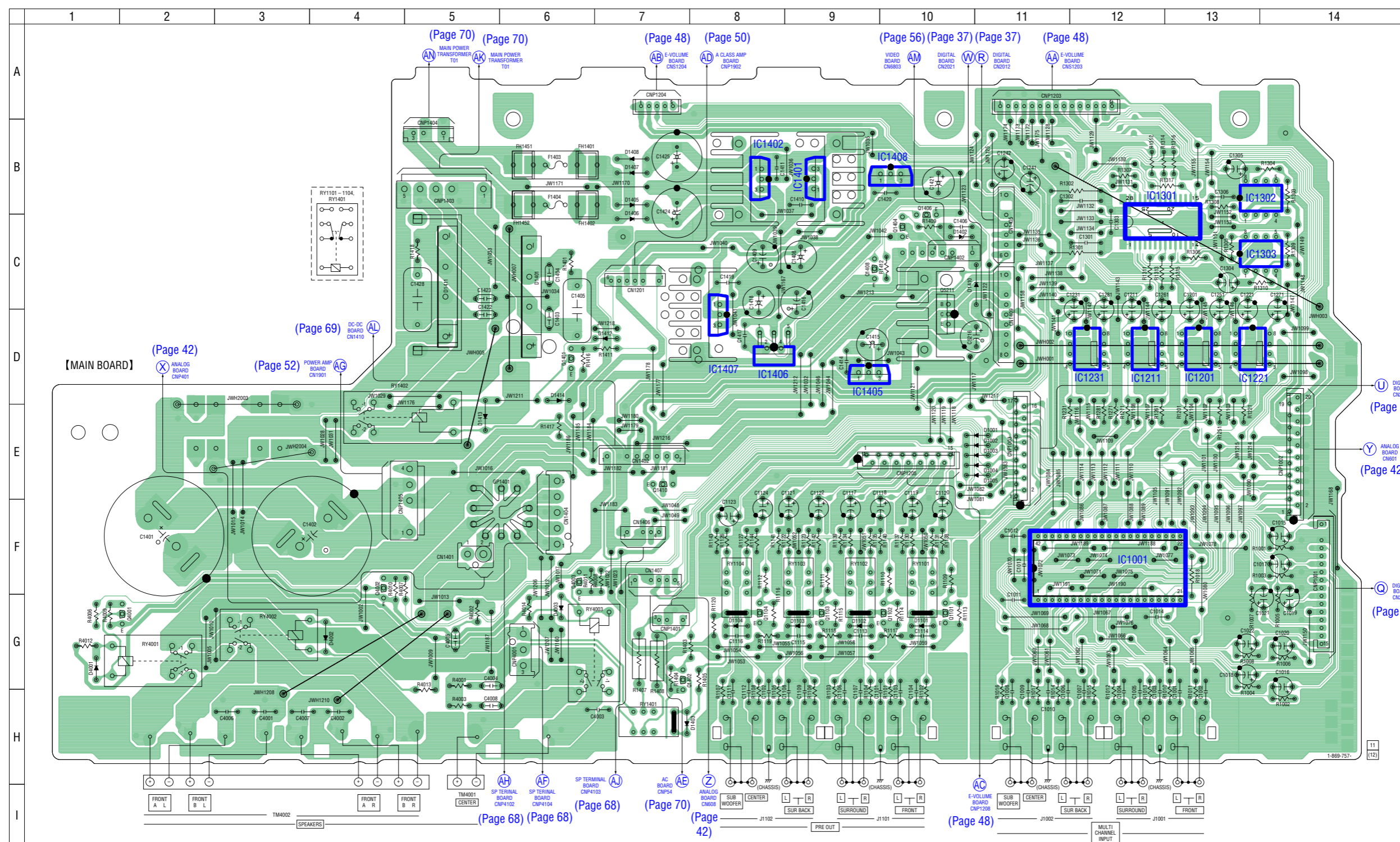
• Waveforms
– DIGITAL Board –



– VIDEO Board –



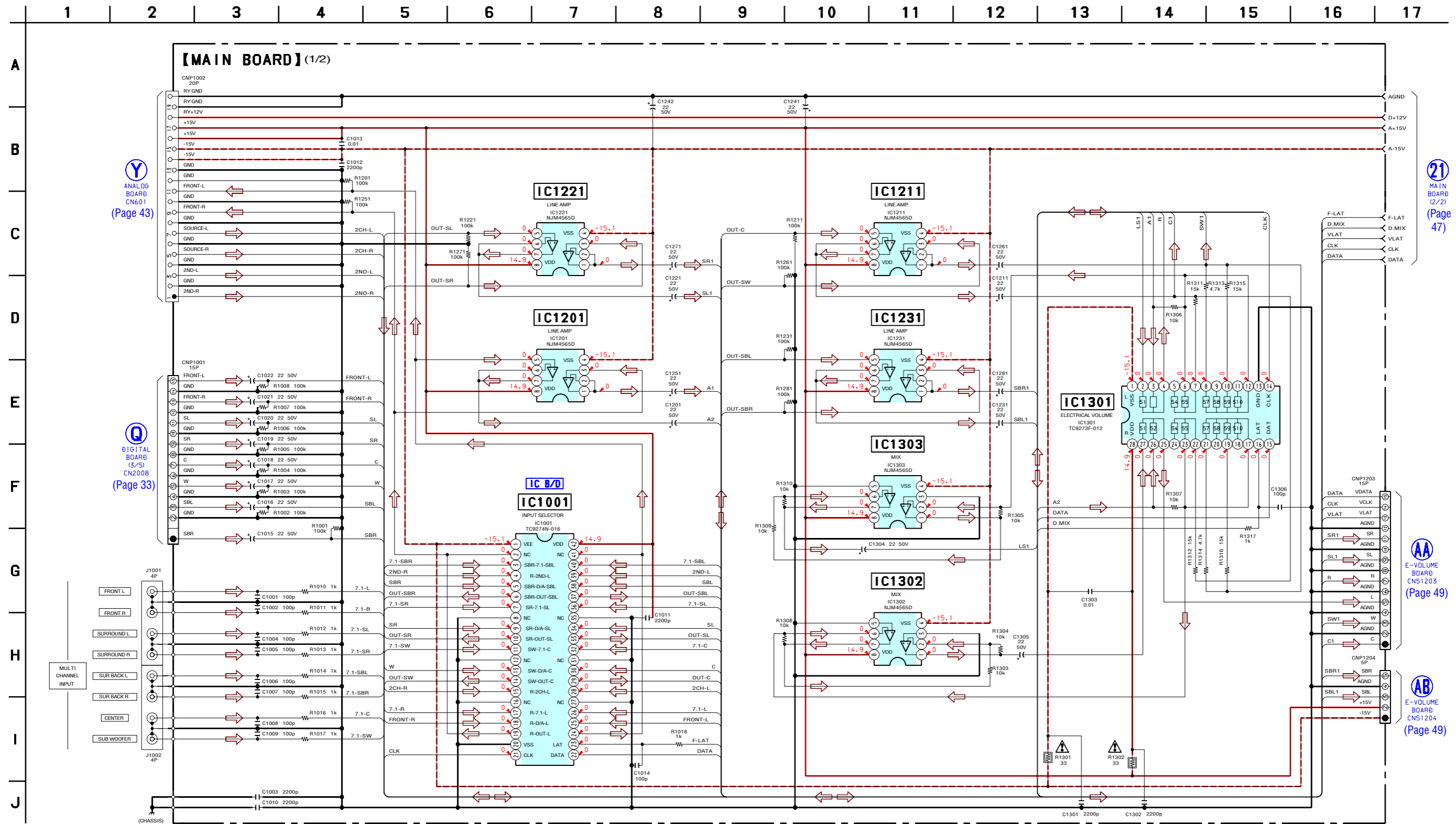
6-22. PRINTED WIRING BOARD – MAIN Board – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D1001	E-11
D1002	E-11
D1003	E-11
D1004	E-11
D1005	E-11
D1101	G-10
D1102	G-9
D1103	G-9
D1104	G-8
D1401	C-6
D1402	C-10
D1403	H-7
D1405	B-7
D1406	C-7
D1407	B-7
D1408	B-7
D1410	C-11
D1411	C-5
D1412	D-7
D1413	E-5
D1414	D-6
D4001	G-1
D4002	G-4
D4003	G-6
IC1001	F-12
IC1201	D-13
IC1211	D-12
IC1221	D-13
IC1231	D-12
IC1301	C-12
IC1302	B-14
IC1303	C-14
IC1401	B-9
IC1402	B-8
IC1405	D-9
IC1406	D-8
IC1407	D-8
IC1408	B-10
Q1101	G-10
Q1102	G-10
Q1103	G-9
Q1104	G-8
Q1401	D-6
Q1402	G-7
Q1404	C-10
Q1406	C-10
Q1408	C-9
Q1410	E-7
Q4001	G-2
Q4002	F-4
Q4003	F-6
Q5211	D-10

6-23. SCHEMATIC DIAGRAM – MAIN Board (1/2) – • See page 72 for IC Block Diagrams.

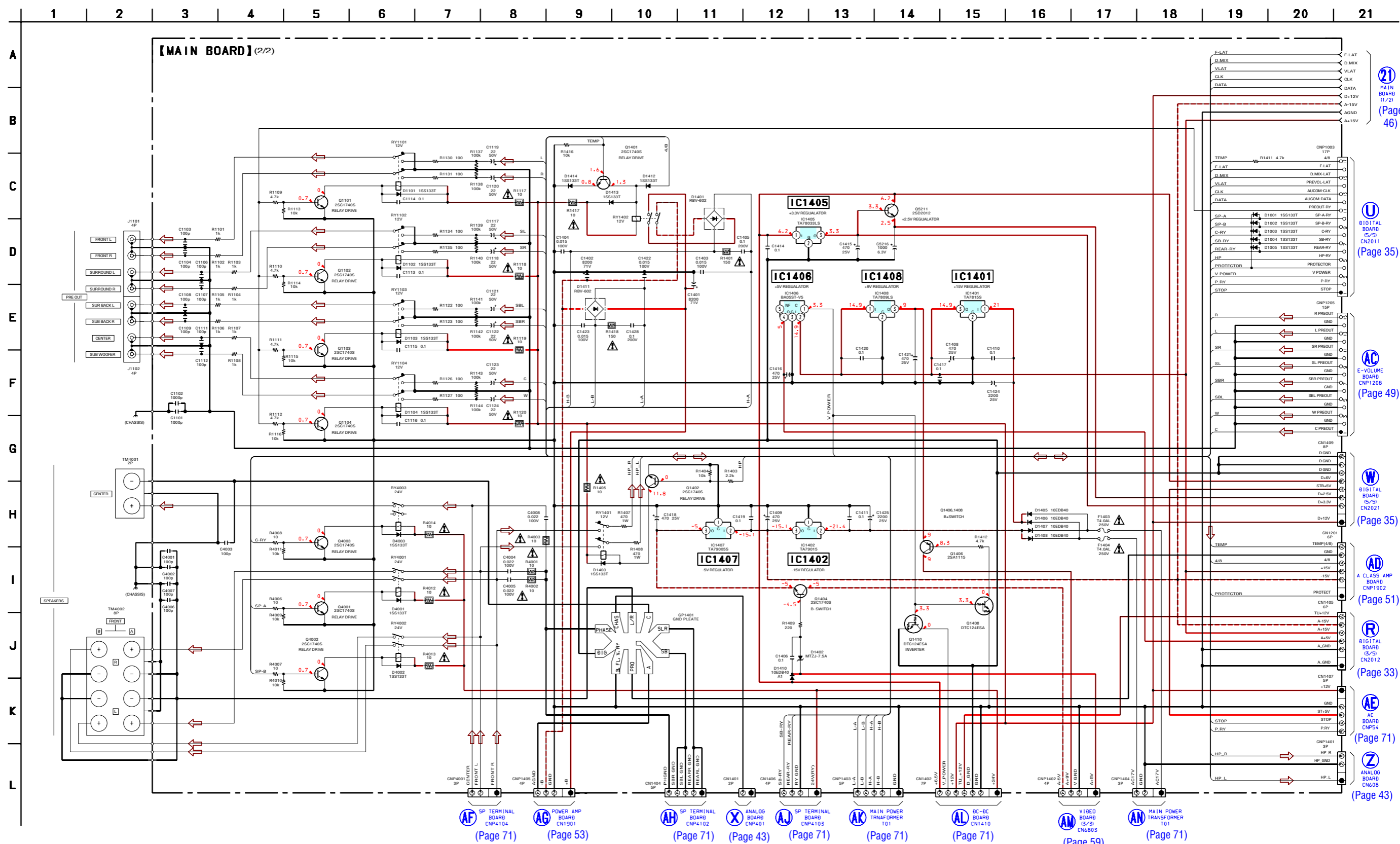


21 MAIN BOARD (2/2) (Page 47)

AA E-VOLUME BOARD CNS1203 (Page 49)

AB E-VOLUME BOARD CNS1204 (Page 49)

6-24. SCHEMATIC DIAGRAM – MAIN Board (2/2) –



21 MAIN BOARD (1/2) (Page 46)

U DIGITAL BOARD (5/5) CN2011 (Page 35)

AC E-VOLUME BOARD CNP1208 (Page 49)

W DIGITAL BOARD (5/5) CN2021 (Page 35)

AD A CLASS AMP BOARD CNP1902 (Page 51)

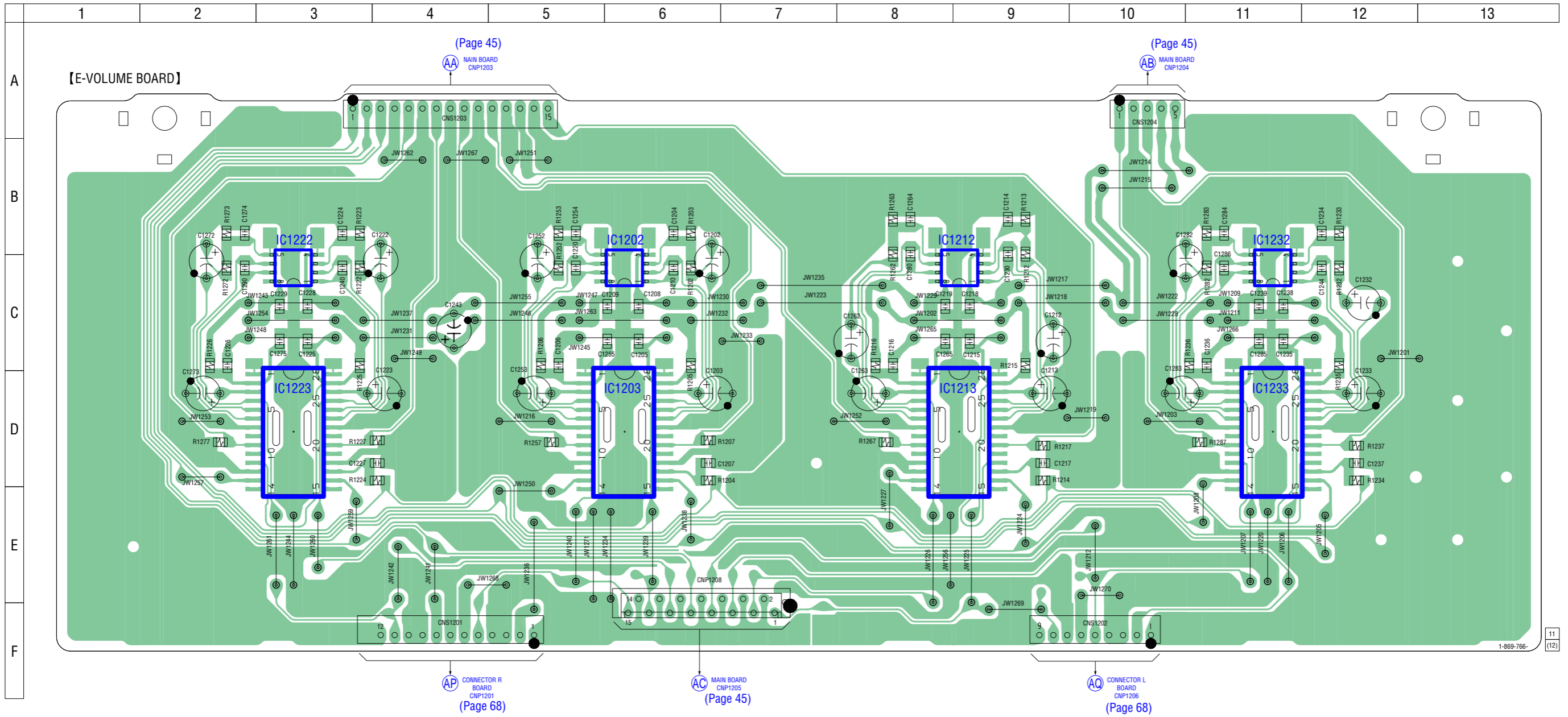
R DIGITAL BOARD (5/5) CN2012 (Page 33)

AE AC BOARD CNP54 (Page 71)

Z ANALOG BOARD CN608 (Page 43)

(AF) SP TERMINAL BOARD CNP1104 (Page 71)
(AG) POWER AMP BOARD CN1901 (Page 53)
(AH) SP TERMINAL BOARD CNP1102 (Page 71)
(X) ANALOG BOARD CNP401 (Page 43)
(AU) SP TERMINAL BOARD CNP4105 (Page 71)
(AK) MAIN POWER TRANSFORMER T01 (Page 71)
(AL) DC-DC BOARD CN1410 (Page 71)
(AM) VIDEO BOARD (5/5) CN603 (Page 59)
(AN) MAIN POWER TRANSFORMER T01 (Page 71)

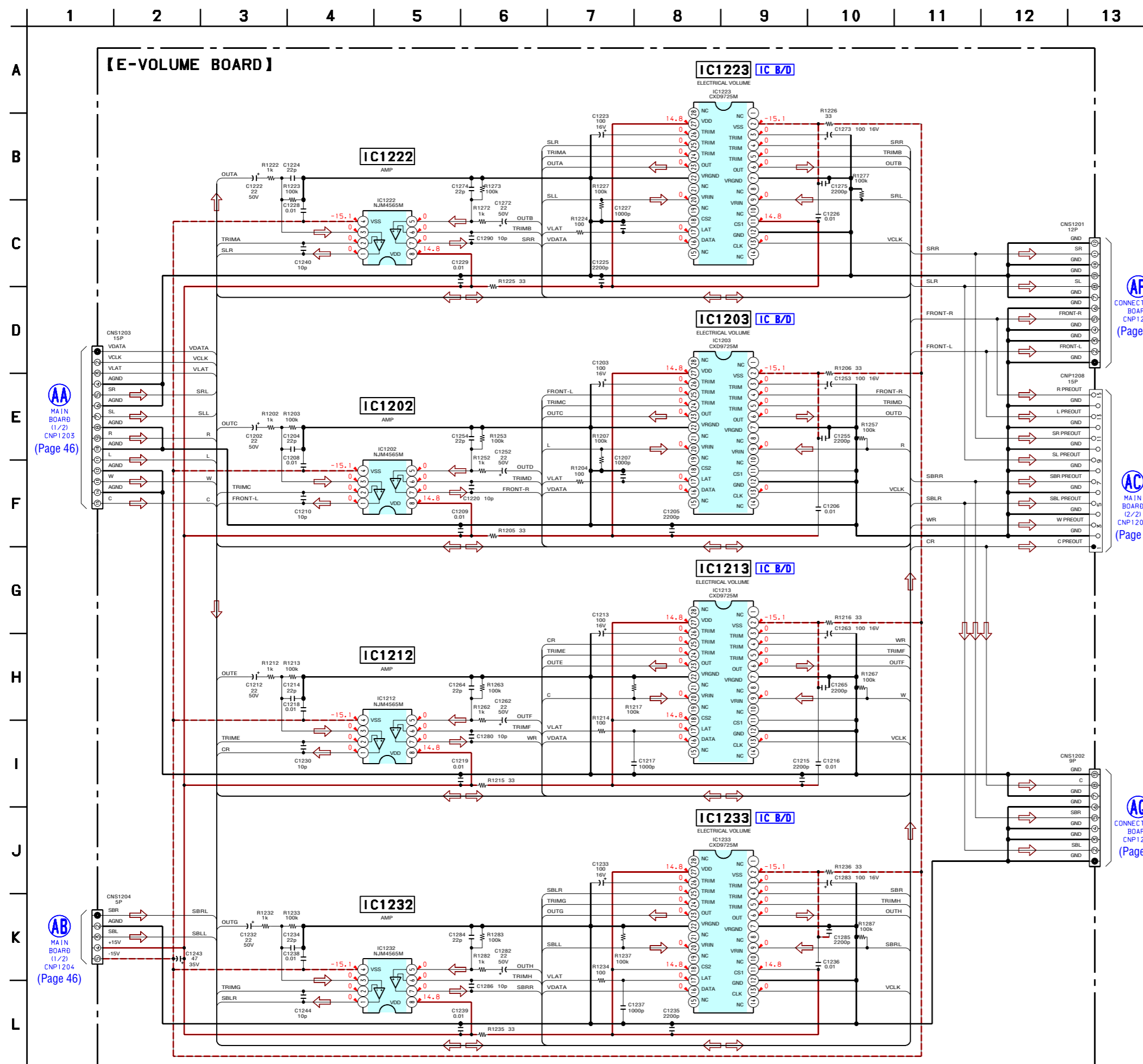
6-25. PRINTED WIRING BOARD – E-VOLUME Board – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
IC1202	C-6
IC1203	D-6
IC1212	C-9
IC1213	D-9
IC1222	C-3
IC1223	D-3
IC1232	C-11
IC1233	D-11

6-26. SCHEMATIC DIAGRAM – E-VOLUME Board – • See page 72 for IC Block Diagrams.



AP
CONNECTOR R
BOARD
CNP1201
(Page 71)

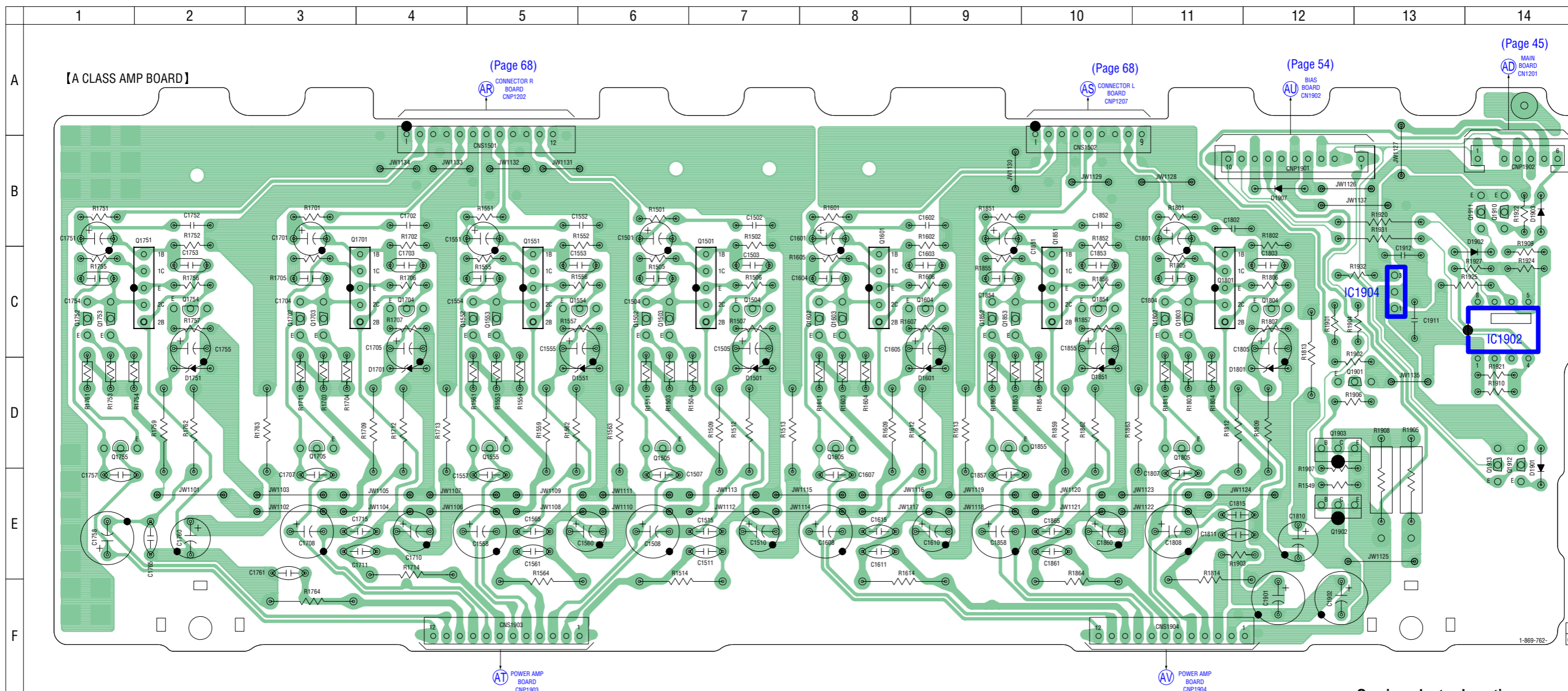
AC
MAIN BOARD
(2/2)
CNP1205
(Page 47)

AQ
CONNECTOR L
BOARD
CNP1206
(Page 71)

AA
MAIN BOARD
(1/2)
CNP1203
(Page 46)

AB
MAIN BOARD
(1/2)
CNP1204
(Page 46)

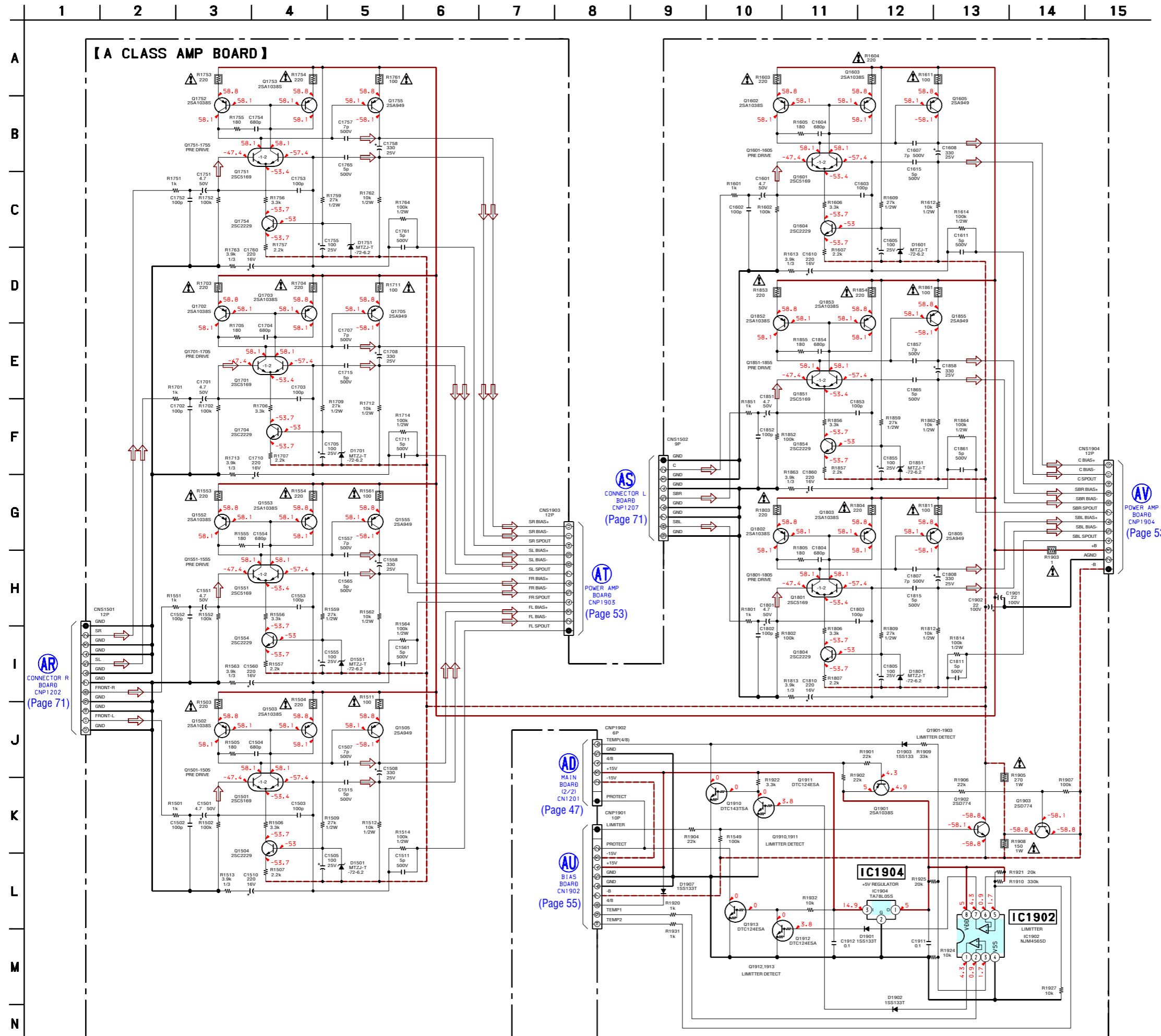
6-27. PRINTED WIRING BOARD – A CLASS AMP Board – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.




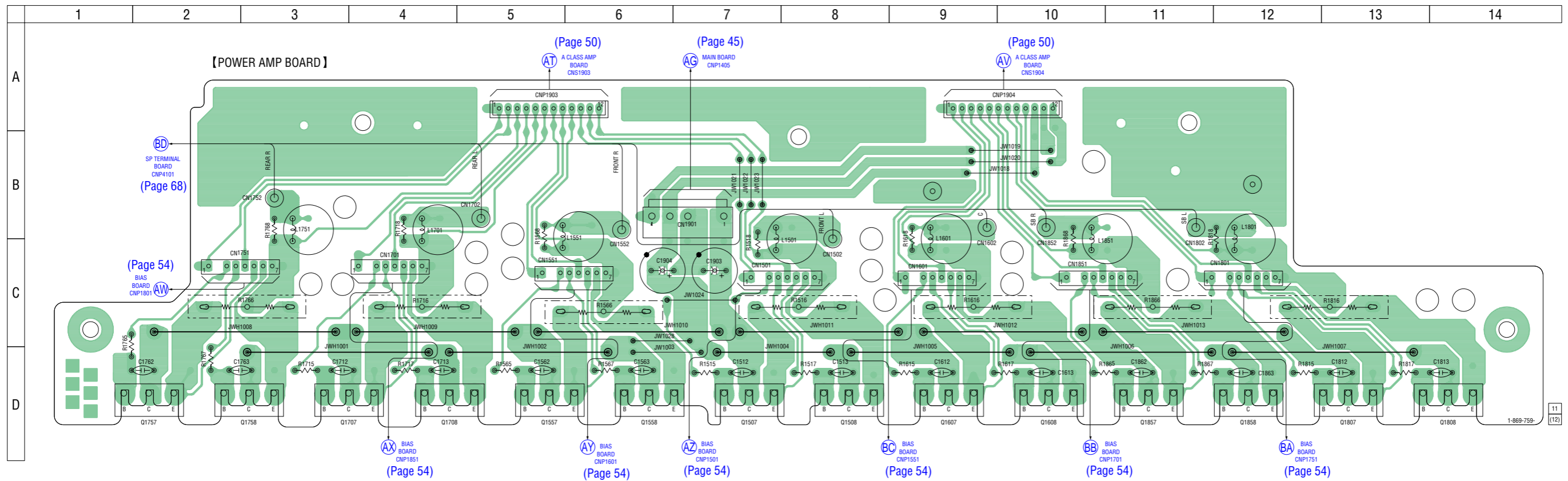
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D1501	D-7	Q1605	D-8
D1551	D-6	Q1701	C-4
D1601	D-9	Q1702	C-3
D1701	D-4	Q1703	C-3
D1751	D-2	Q1704	C-4
D1801	D-12	Q1705	D-3
D1851	D-10	Q1751	C-2
D1901	D-14	Q1752	C-1
D1902	C-14	Q1753	C-1
D1903	B-14	Q1754	C-2
D1907	B-12	Q1755	D-1
		Q1801	C-11
IC1902	C-14	Q1802	C-11
IC1904	C-13	Q1803	C-11
		Q1804	C-12
		Q1805	D-11
Q1501	C-7	Q1851	C-10
Q1502	C-6	Q1852	C-9
Q1503	C-6	Q1853	C-9
Q1504	C-7	Q1853	C-9
Q1505	D-6	Q1854	C-10
Q1551	C-5	Q1855	D-9
Q1552	C-5	Q1901	D-13
Q1553	C-5	Q1902	E-12
Q1554	C-6	Q1903	D-12
Q1555	D-5	Q1910	B-14
Q1601	C-8	Q1911	B-14
Q1602	C-8	Q1912	D-14
Q1603	C-8	Q1913	D-14
Q1604	C-9		

6-28. SCHEMATIC DIAGRAM – A CLASS AMP Board –



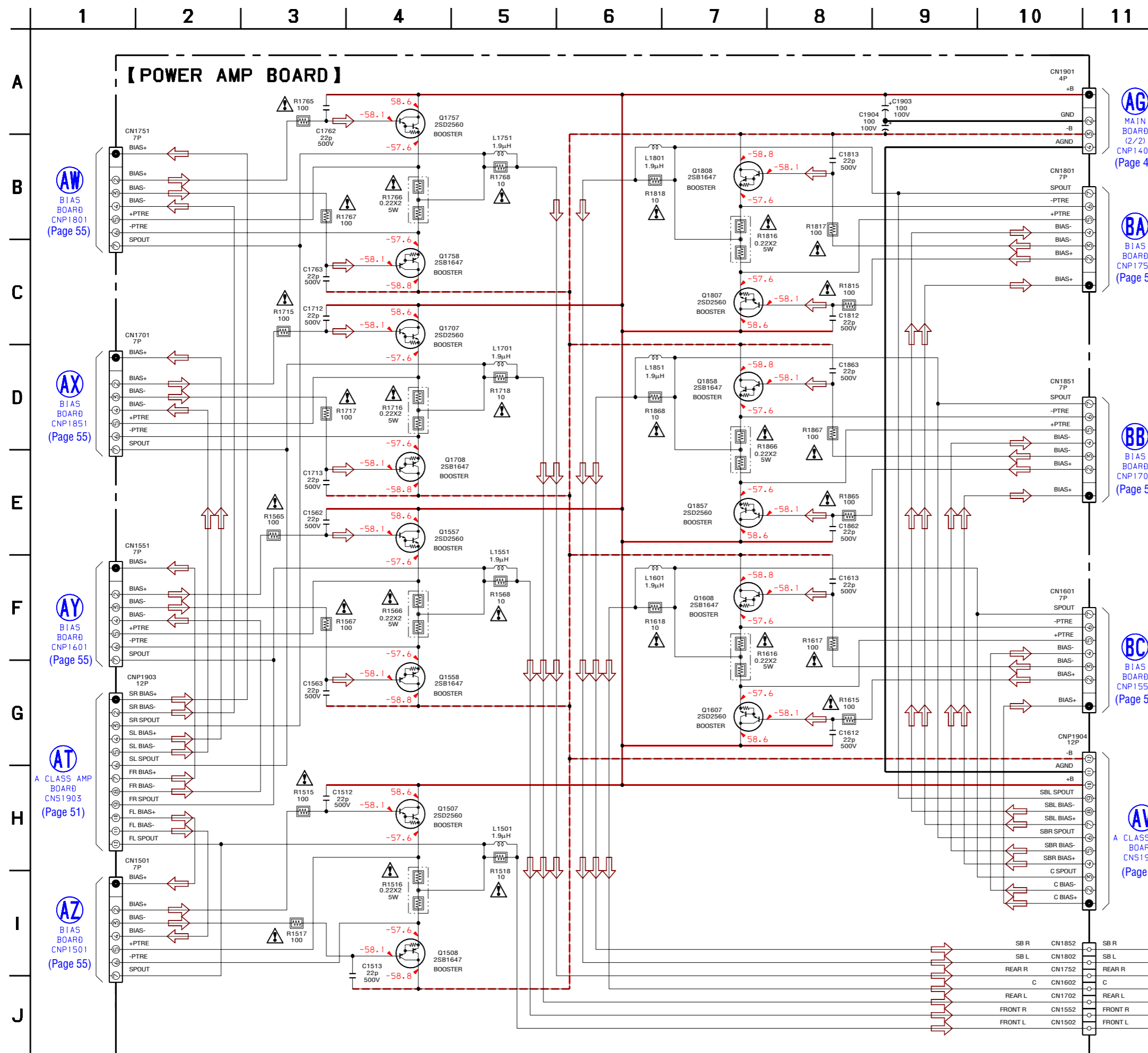
6-29. PRINTED WIRING BOARD – POWER AMP Board – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.




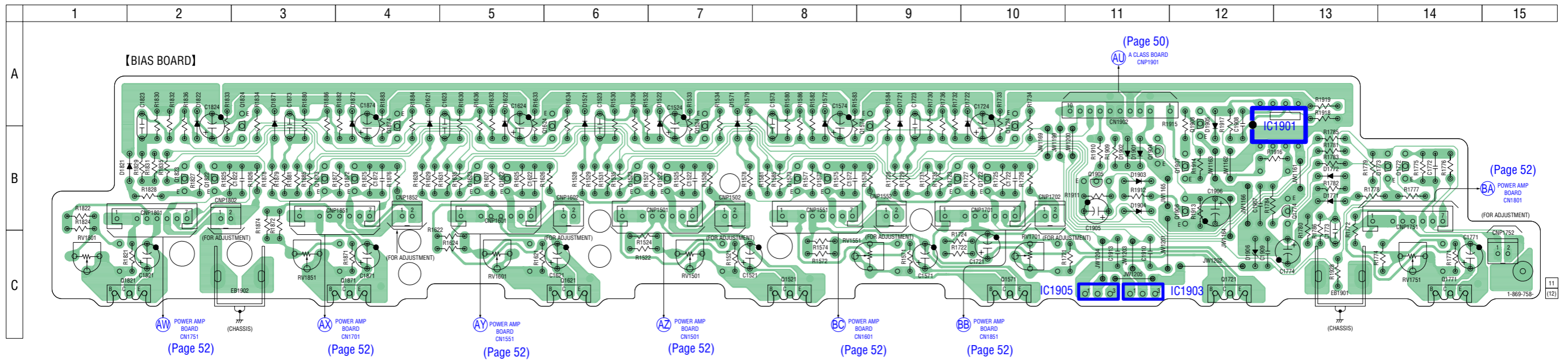
• Semiconductor Location

Ref. No.	Location
Q1507	D-7
Q1508	D-8
Q1557	D-5
Q1558	D-6
Q1607	D-9
Q1608	D-10
Q1707	D-3
Q1708	D-4
Q1757	D-2
Q1758	D-3
Q1807	D-13
Q1808	D-14
Q1857	D-11
Q1858	D-12

6-30. SCHEMATIC DIAGRAM - POWER AMP Board -



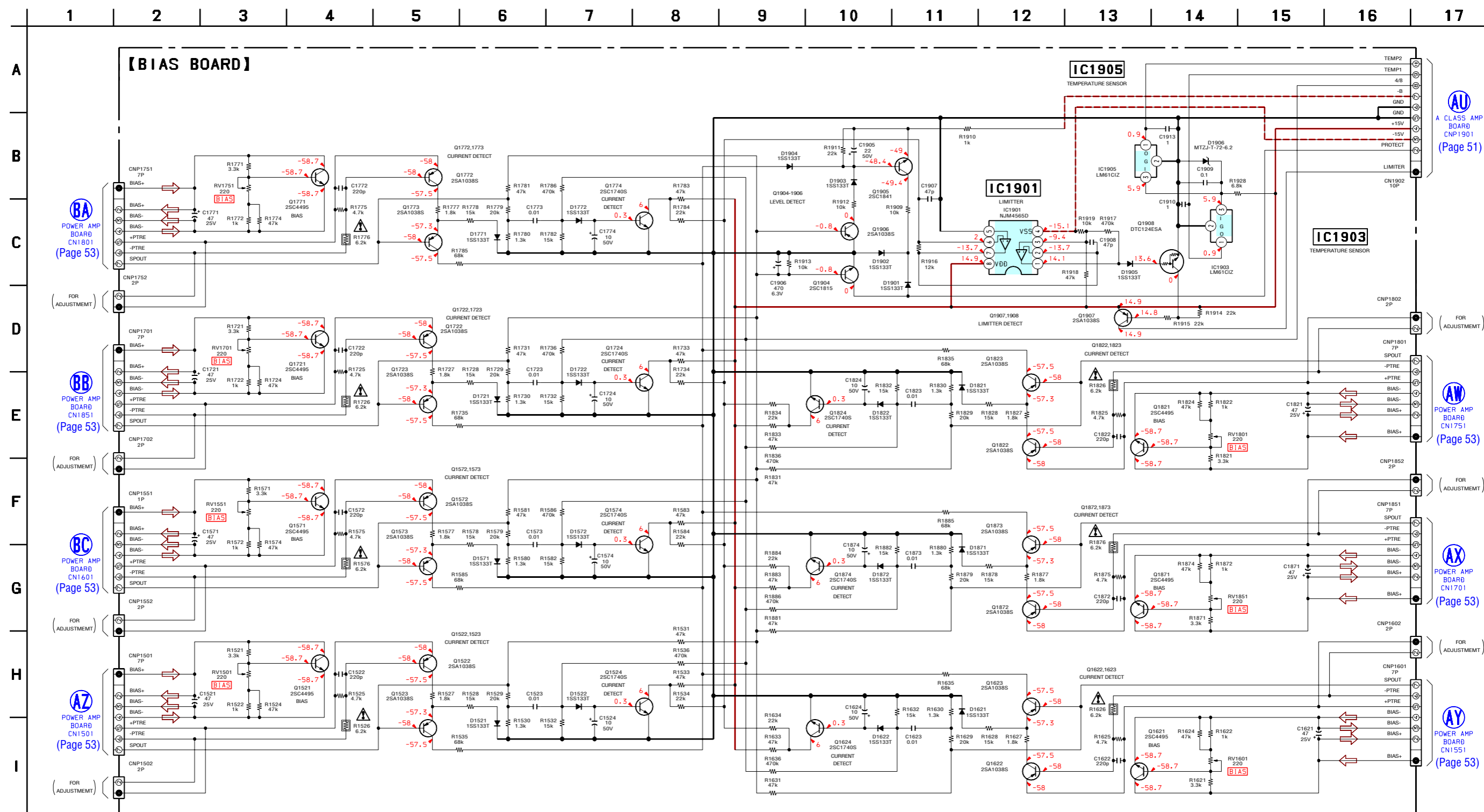
6-31. PRINTED WIRING BOARD – BIAS Board – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.




• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D1521	A-6	Q1571	C-10
D1522	A-7	Q1572	B-8
D1571	A-7	Q1573	B-8
D1572	A-8	Q1574	B-9
D1621	A-4	Q1621	C-6
D1622	A-5	Q1622	B-5
D1721	A-9	Q1623	B-5
D1722	A-10	Q1624	B-6
D1771	B-13	Q1721	C-12
D1772	B-13	Q1722	B-10
D1821	B-2	Q1723	B-9
D1822	A-2	Q1724	B-10
D1871	A-3	Q1771	C-14
D1872	A-4	Q1772	B-14
D1901	B-11	Q1773	B-14
D1902	B-11	Q1774	B-13
D1903	B-11	Q1821	C-2
D1904	B-11	Q1822	B-2
D1905	A-12	Q1823	B-2
D1906	C-12	Q1824	B-3
		Q1871	C-4
IC1901	A-13	Q1872	B-4
IC1903	C-11	Q1873	B-3
IC1905	C-11	Q1874	B-4
		Q1904	B-11
Q1521	C-8	Q1905	B-11
Q1522	B-7	Q1906	B-12
Q1523	B-6	Q1907	B-12
Q1524	B-7	Q1908	B-12

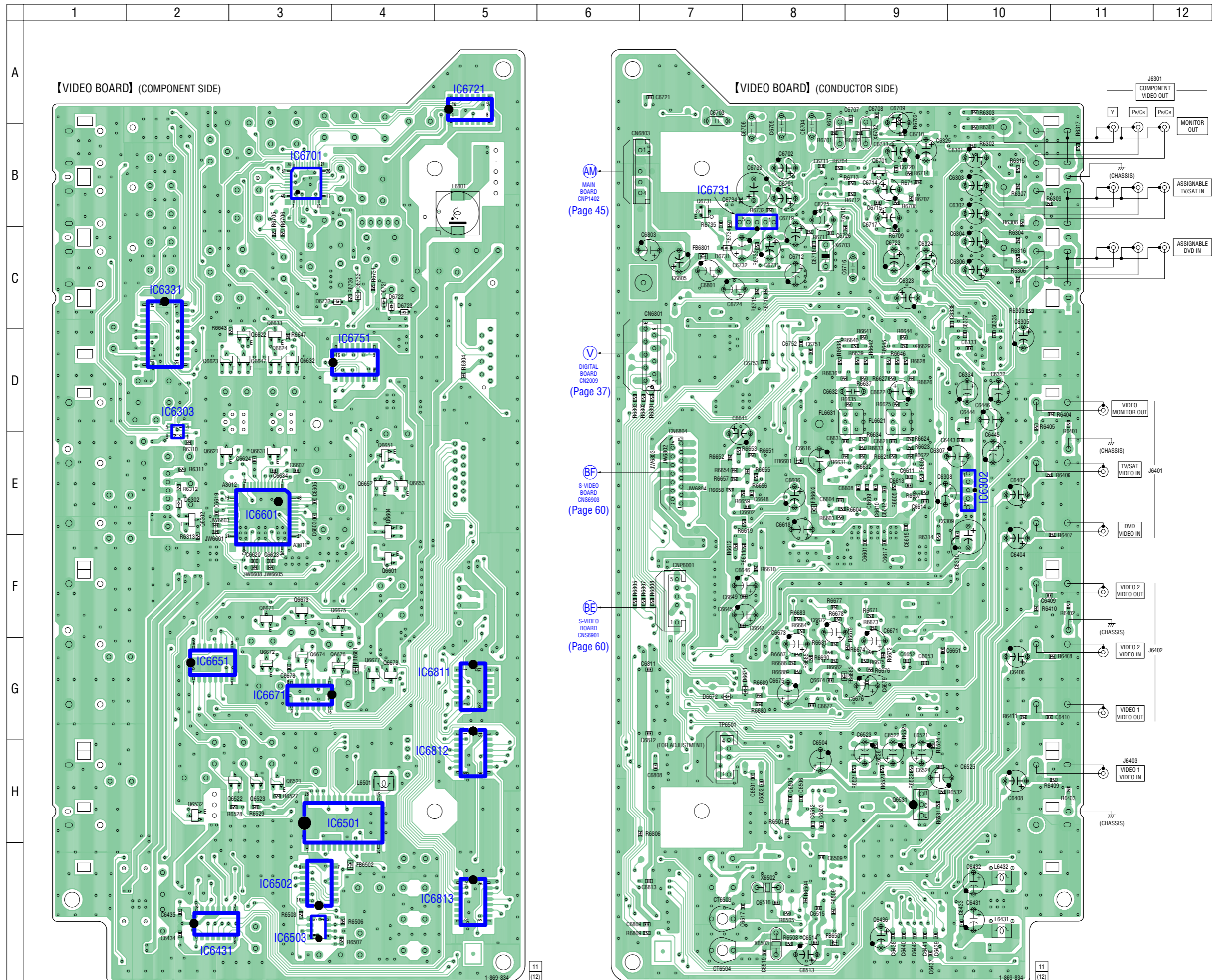
6-32. SCHEMATIC DIAGRAM – BIAS Board –



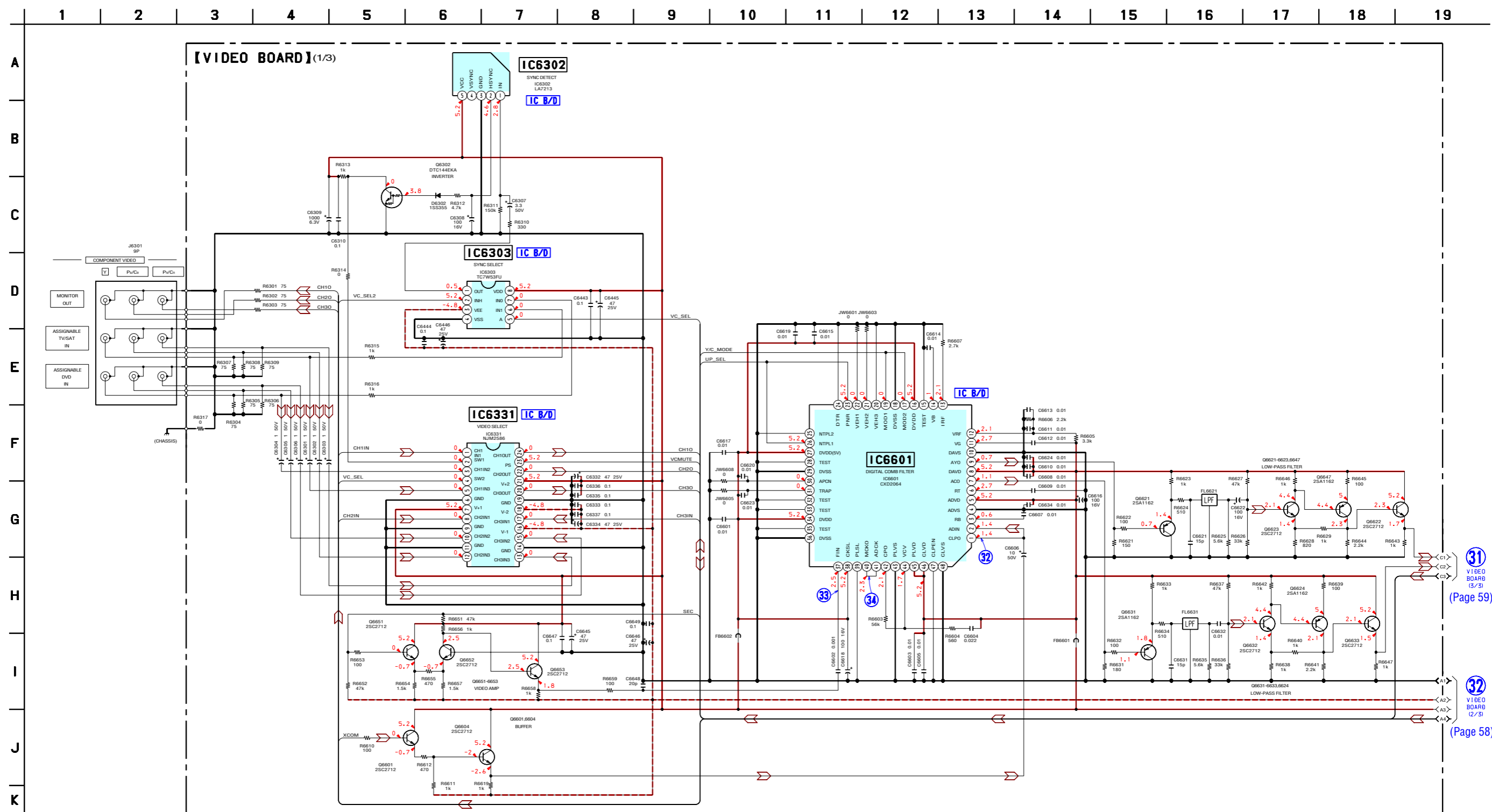
6-33. PRINTED WIRING BOARD – VIDEO Board – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D6302	E-2
D6671	G-8
D6672	G-7
D6721	C-4
D6722	C-4
D6723	C-4
D6731	C-7
D6732	C-4
D6733	C-4
IC6302	E-10
IC6303	D-2
IC6331	D-2
IC6431	I-2
IC6501	H-4
IC6502	I-3
IC6503	I-3
IC6601	E-3
IC6651	G-2
IC6671	G-3
IC6701	B-3
IC6721	A-5
IC6731	B-8
IC6751	D-4
IC6811	G-5
IC6812	H-5
IC6813	I-5
Q6302	E-2
Q6521	H-3
Q6522	H-3
Q6523	H-3
Q6531	H-9
Q6532	H-2
Q6601	F-4
Q6604	E-4
Q6621	E-2
Q6622	D-3
Q6623	D-2
Q6624	D-3
Q6631	E-3
Q6632	D-3
Q6633	D-3
Q6647	D-3
Q6651	E-4
Q6652	E-4
Q6653	E-4
Q6671	F-3
Q6672	G-3
Q6673	F-3
Q6674	G-3
Q6675	F-4
Q6676	G-4
Q6677	G-4
Q6678	G-4
Q6701	B-9
Q6731	B-7

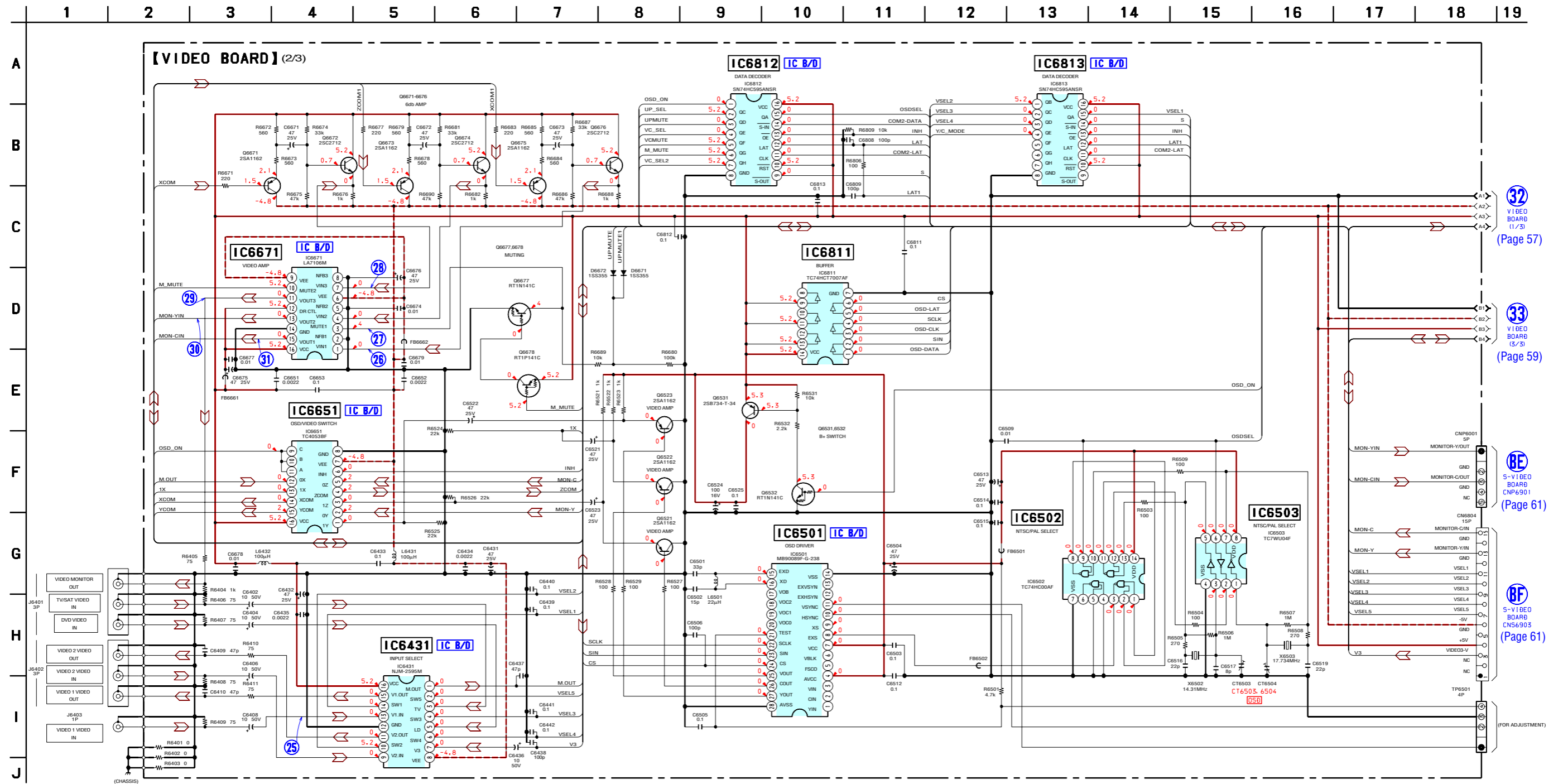


6-34. SCHEMATIC DIAGRAM – VIDEO Board (1/3) – • See page 44 for Waveforms. • See page 72 for IC Block Diagrams.



31 VIDEO BOARD (3/3) (Page 59)
32 VIDEO BOARD (2/3) (Page 58)

6-35. SCHEMATIC DIAGRAM – VIDEO Board (2/3) – • See page 44 for Waveforms. • See page 72 for IC Block Diagrams.



32 VIDEO BOARD (1/3) (Page 57)

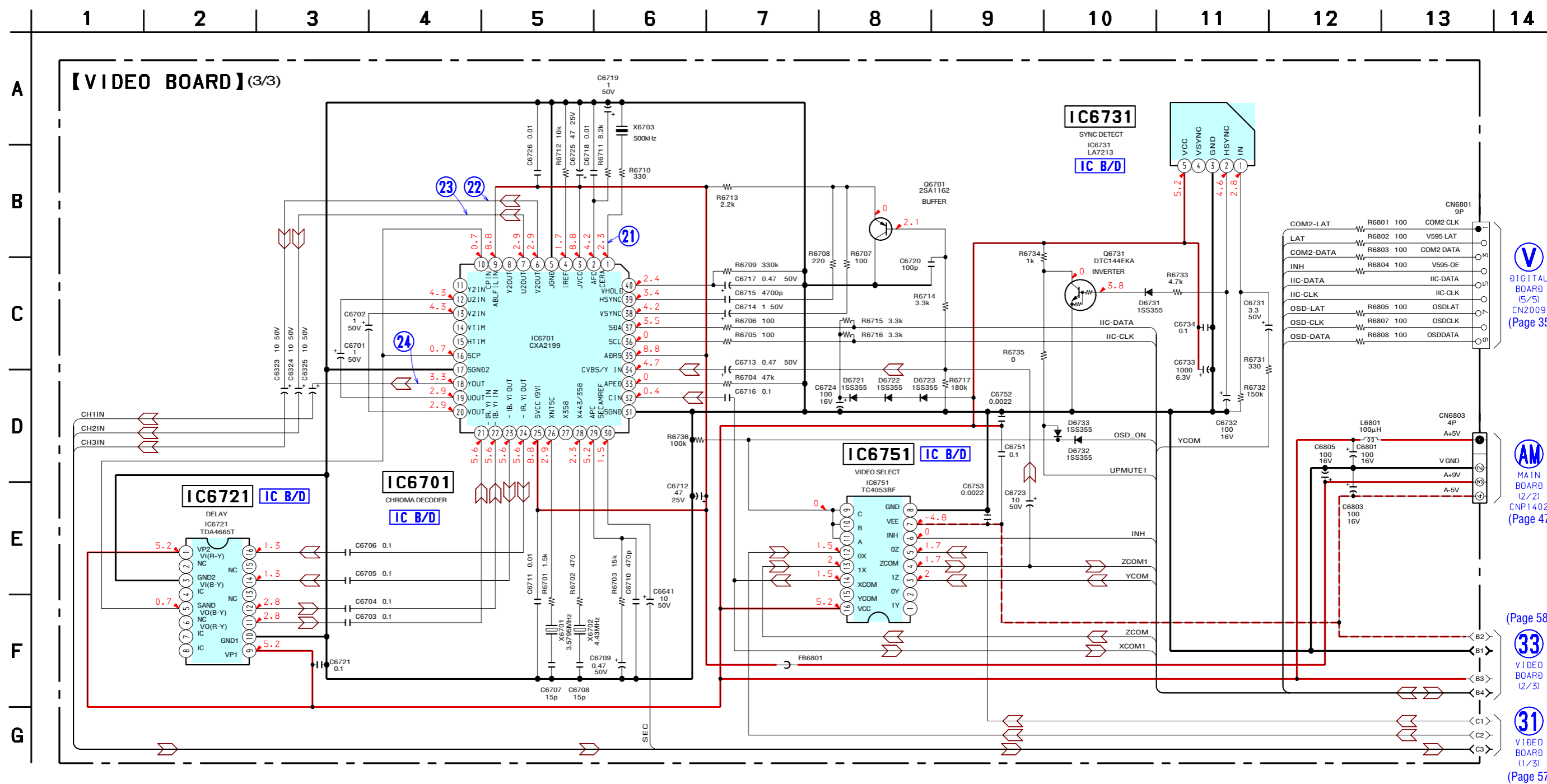
33 VIDEO BOARD (3/3) (Page 59)

34 5-V VIDEO BOARD CNP6501 (Page 61)

35 5-V VIDEO BOARD CN56903 (Page 61)

(FOR ADJUSTMENT)

6-36. SCHEMATIC DIAGRAM – VIDEO Board (3/3) – • See page 44 for Waveforms. • See page 72 for IC Block Diagrams.



DIGITAL BOARD (5/5) CN2009 (Page 35)

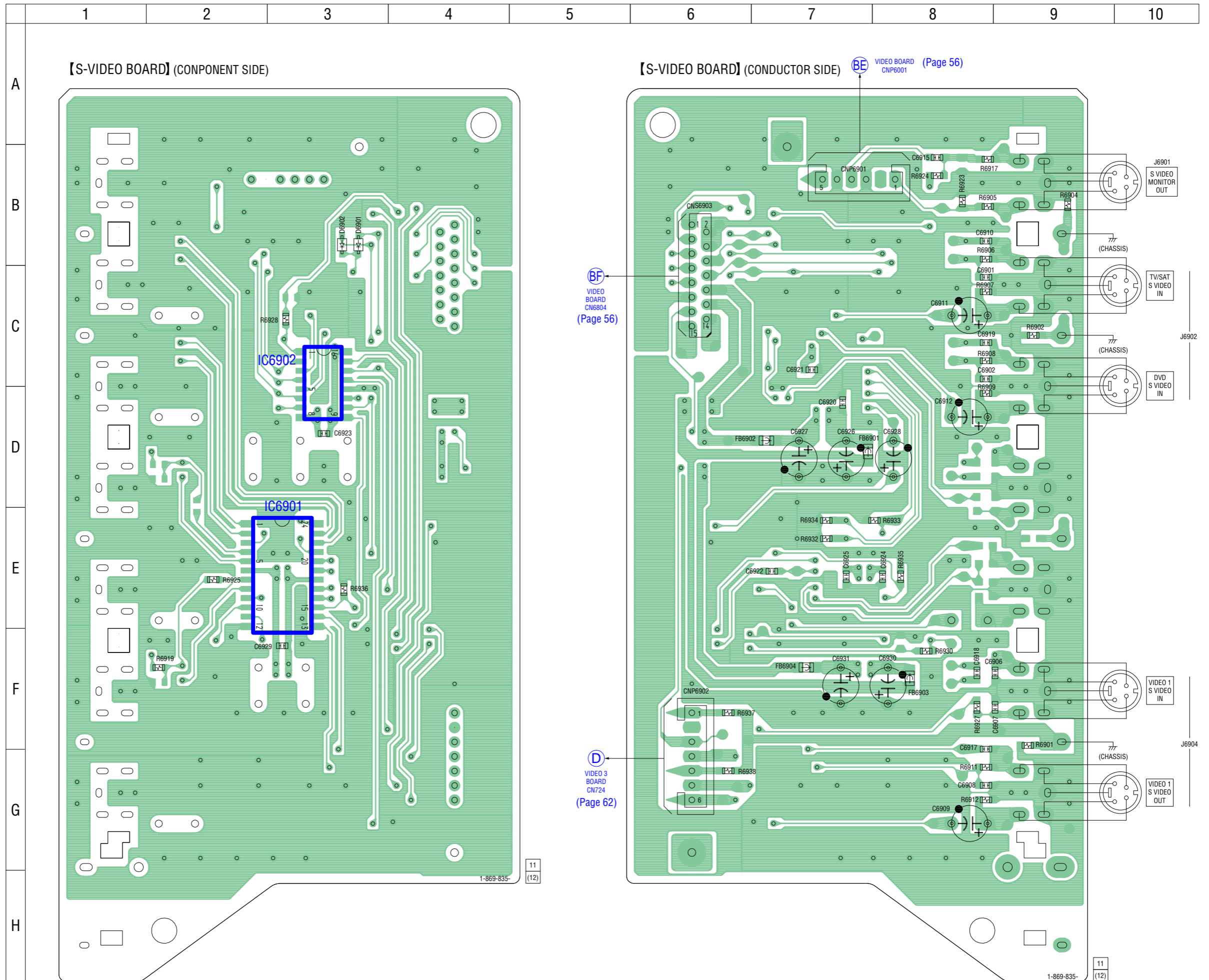
MAIN BOARD (2/2) CNP1402 (Page 47)

(Page 58)

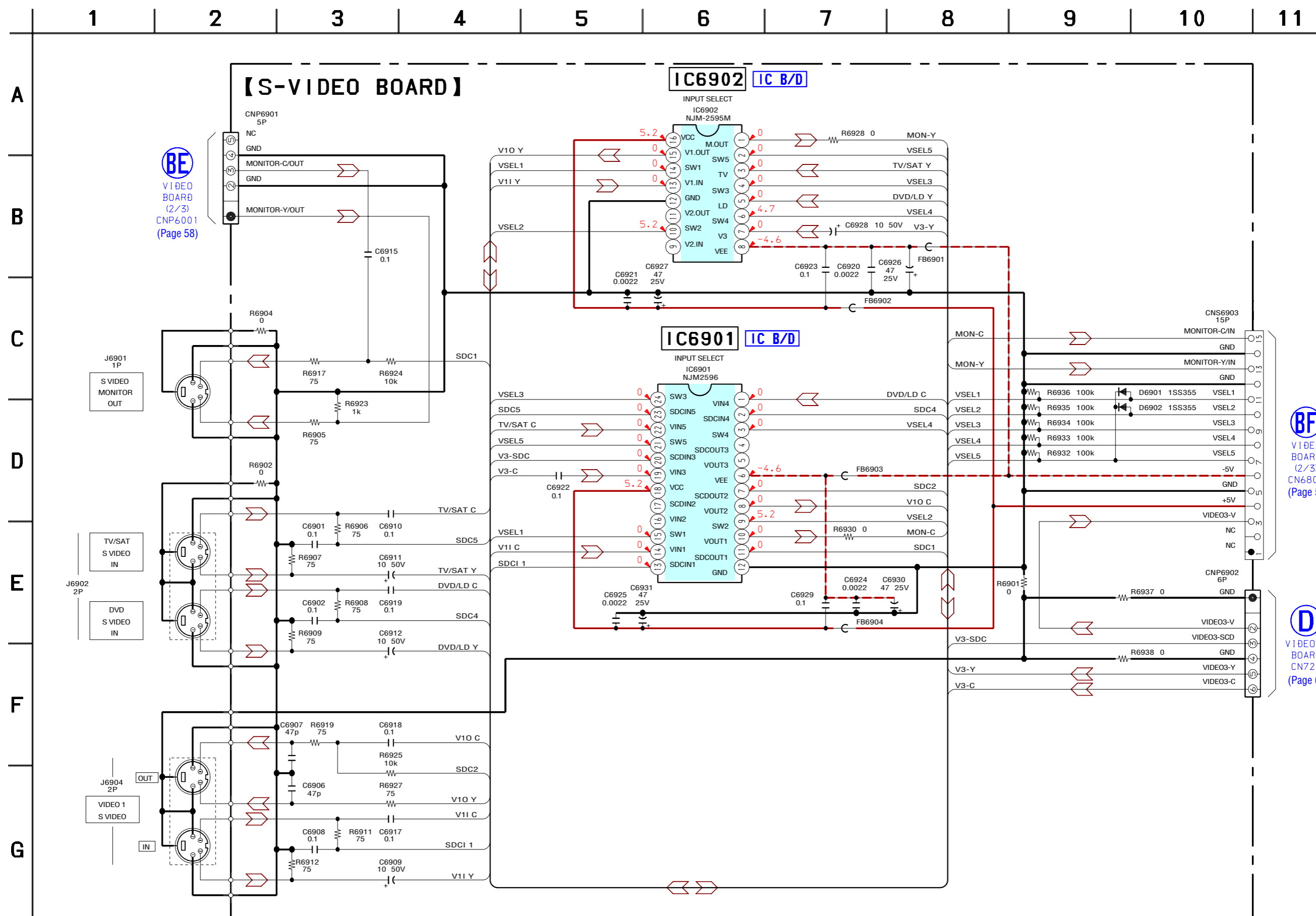
VIDEO BOARD (2/3) 33

VIDEO BOARD (1/3) 31 (Page 57)

6-37. PRINTED WIRING BOARD – S-VIDEO Board – • See page 30 for Circuit Boards Location. **LF** : Uses unleaded solder.



6-38. SCHEMATIC DIAGRAM – S-VIDEO Board – • See page 72 for IC Block Diagrams.

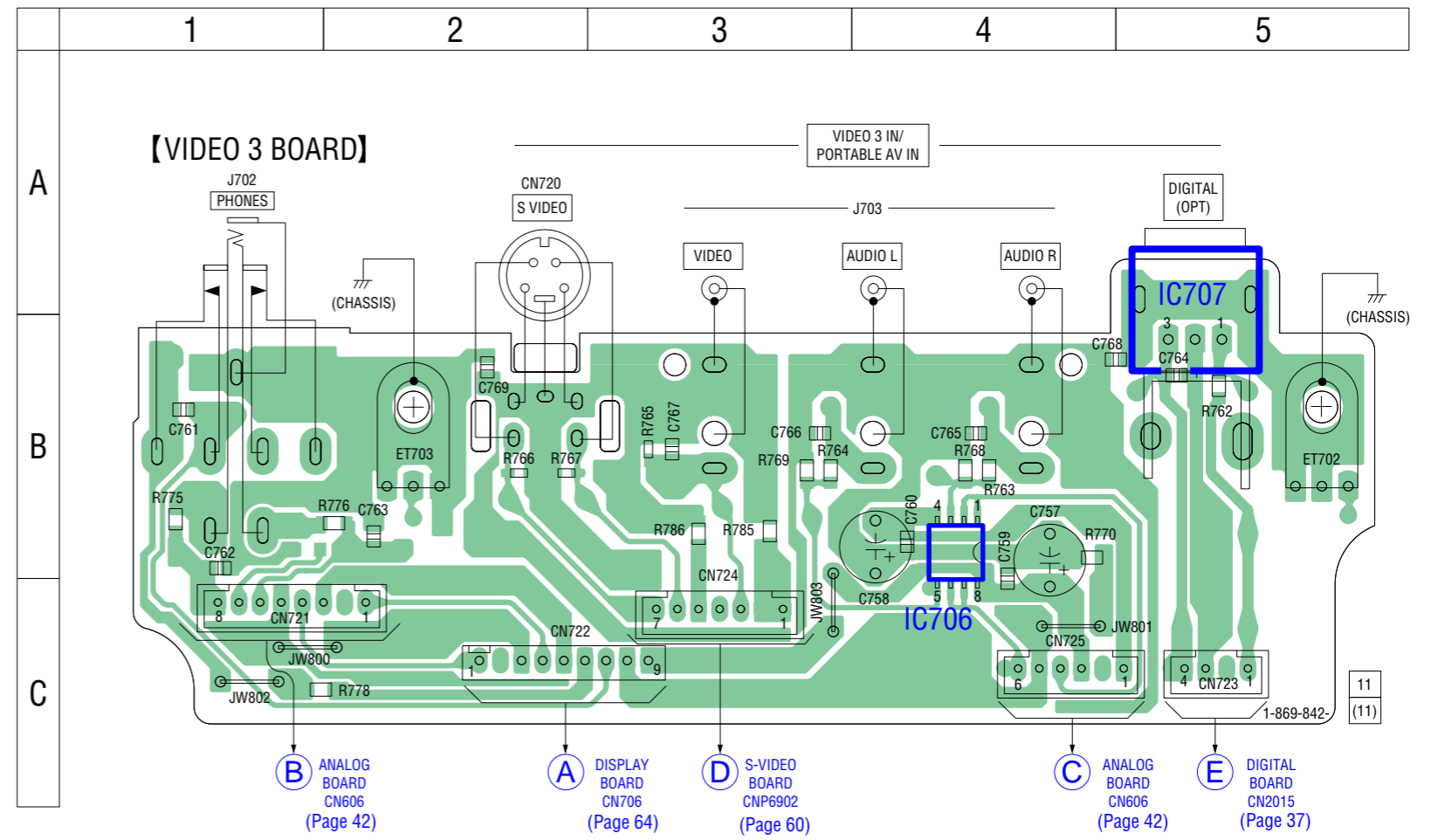


BE VIDEO BOARD (2/3) CNP6001 (Page 58)

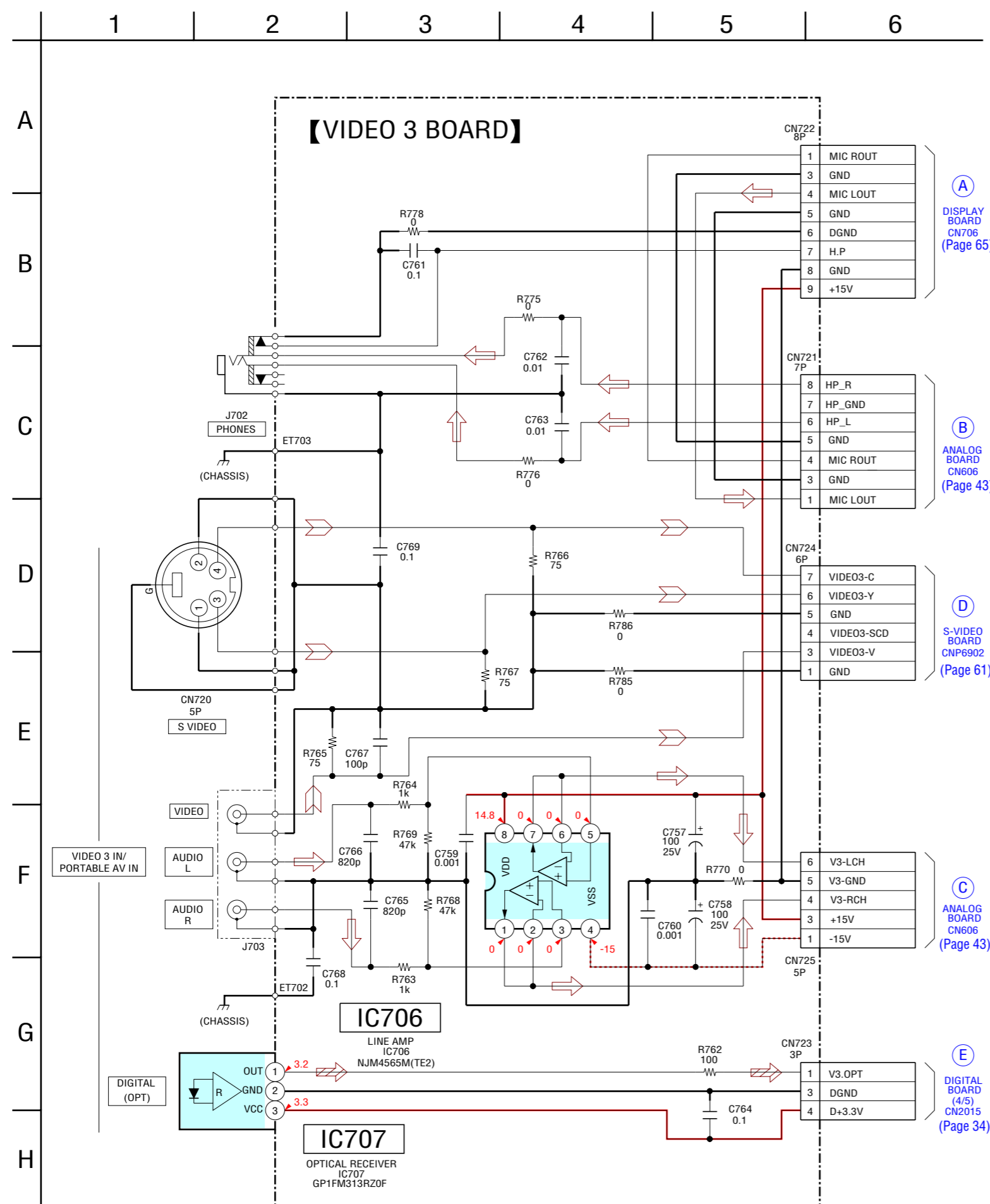
BF VIDEO BOARD (2/3) CN6804 (Page 58)

D VIDEO 3 BOARD CN724 (Page 63)

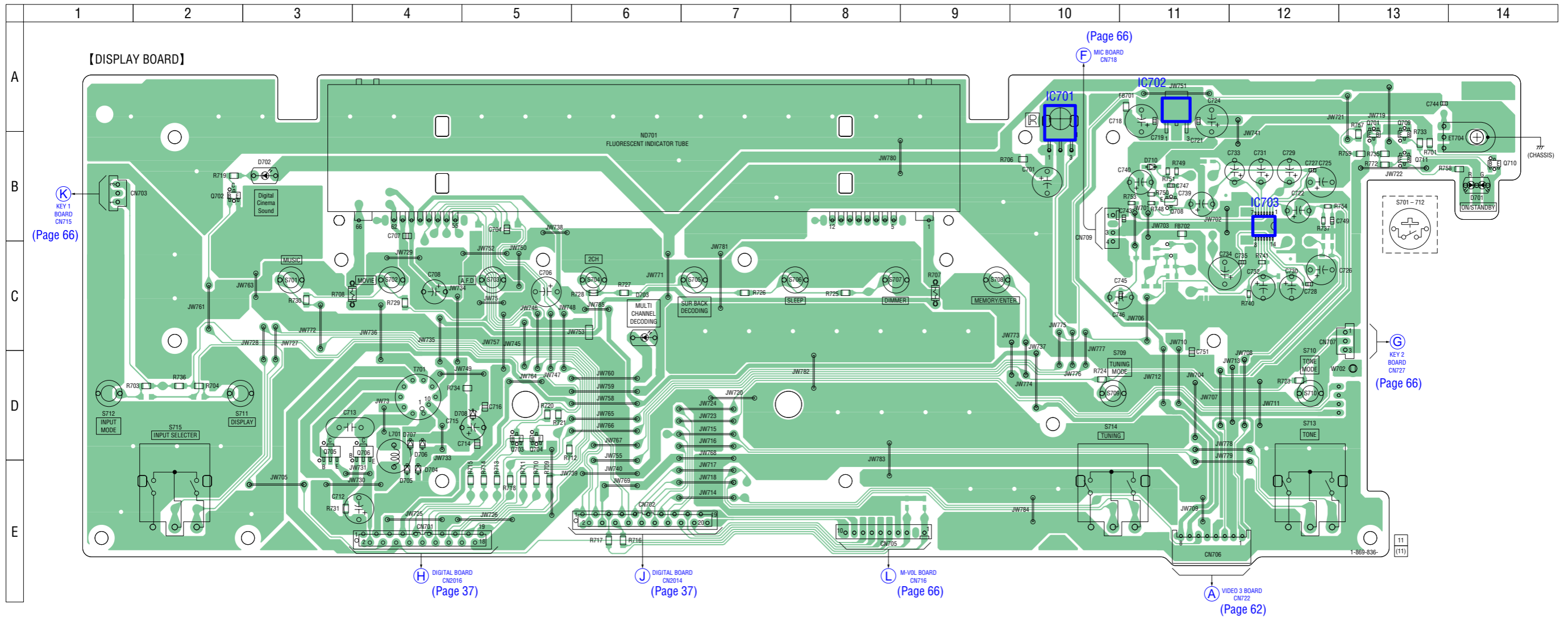
6-39. PRINTED WIRING BOARD – VIDEO 3 Board – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.



6-40. SCHEMATIC DIAGRAM – VIDEO 3 Board –



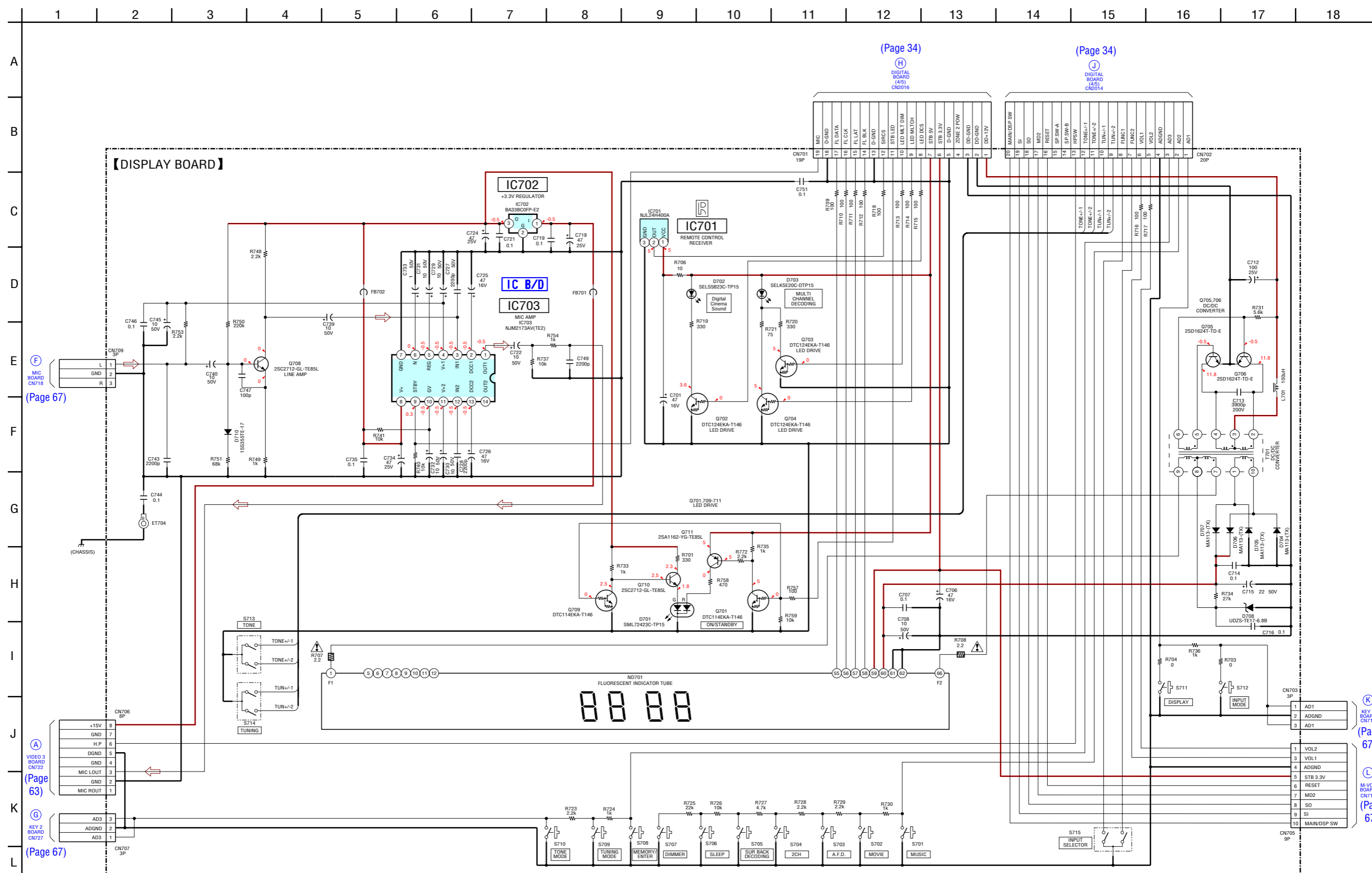
6-41. PRINTED WIRING BOARD – DISPLAY Board – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.



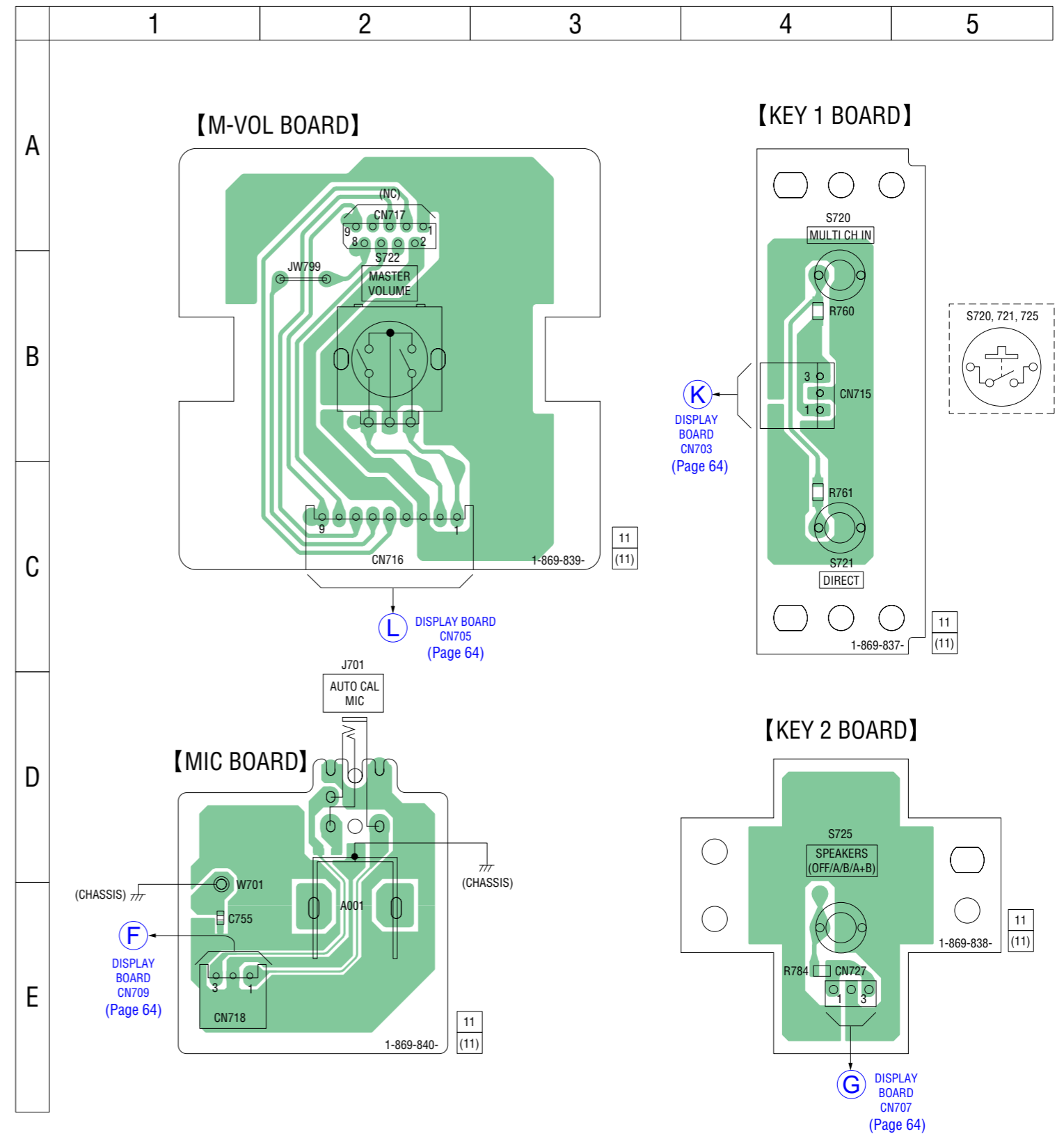
• Semiconductor Location

Ref. No.	Location
D701	B-14
D702	B-3
D703	C-6
D704	E-4
D705	E-4
D706	D-4
D707	D-4
D708	D-5
D709	C-11
D710	B-11
IC701	A-10
IC702	A-11
IC703	B-12
Q701	B-13
Q702	B-2
Q703	D-5
Q704	D-5
Q705	D-3
Q706	D-4
Q707	C-11
Q708	B-11
Q709	B-13
Q710	B-14
Q711	B-13

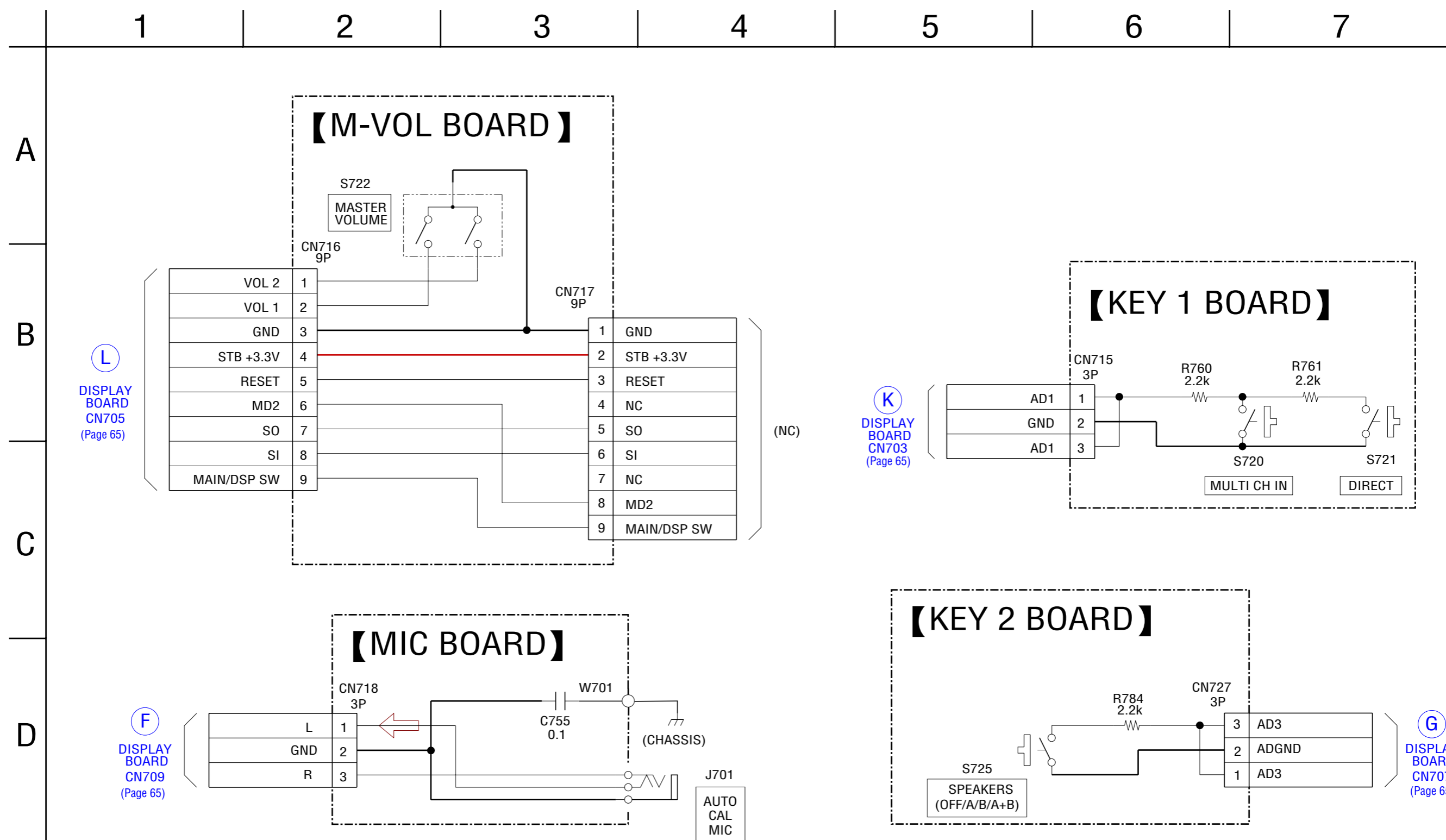
6-42. SCHEMATIC DIAGRAM – DISPLAY Board – • See page 72 for IC Block Diagrams.



6-43. PRINTED WIRING BOARDS – KEY Section – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.



6-44. SCHEMATIC DIAGRAM – KEY Section –



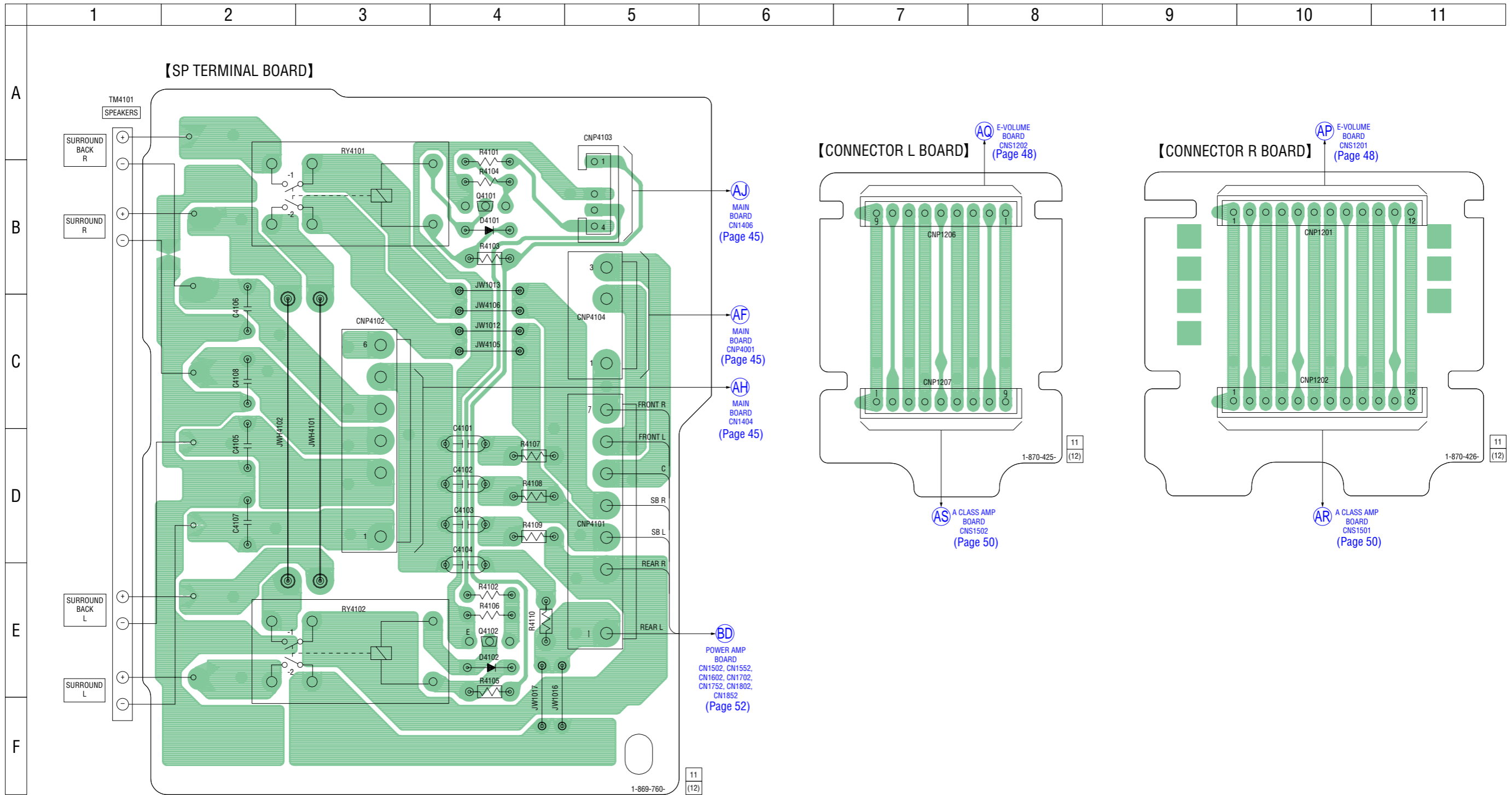
Ⓛ
DISPLAY BOARD
CN705
(Page 65)


Ⓚ
DISPLAY BOARD
CN703
(Page 65)

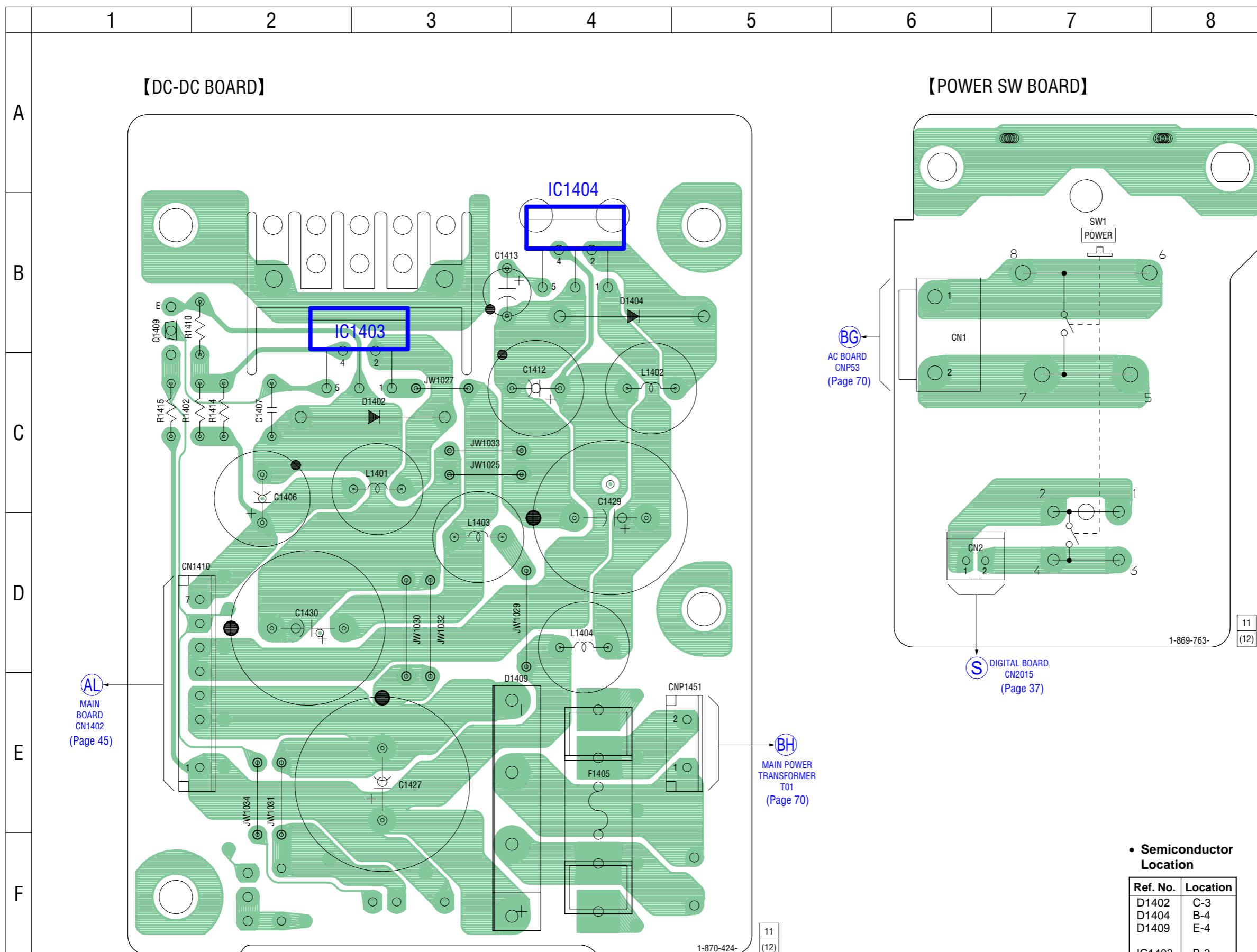
ⓕ
DISPLAY BOARD
CN709
(Page 65)

ⓖ
DISPLAY BOARD
CN707
(Page 65)

6-45. PRINTED WIRING BOARDS – SPEAKER Section – • See page 30 for Circuit Boards Location. **LF** : Uses unleaded solder.



6-46. PRINTED WIRING BOARDS – DC Section – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.



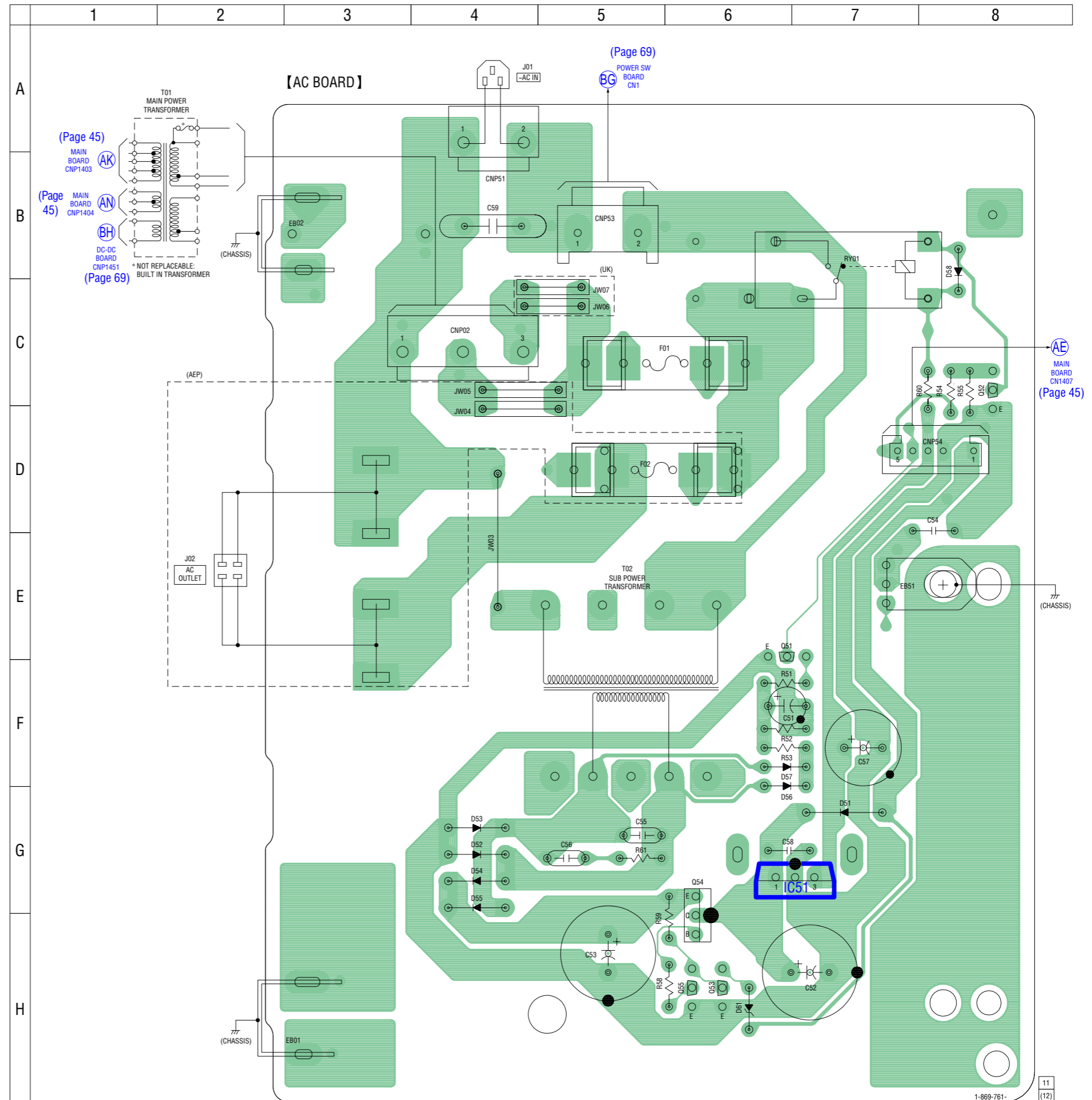
• Semiconductor Location

Ref. No.	Location
D1402	C-3
D1404	B-4
D1409	E-4
IC1403	B-3
IC1404	B-4
Q1409	B-1

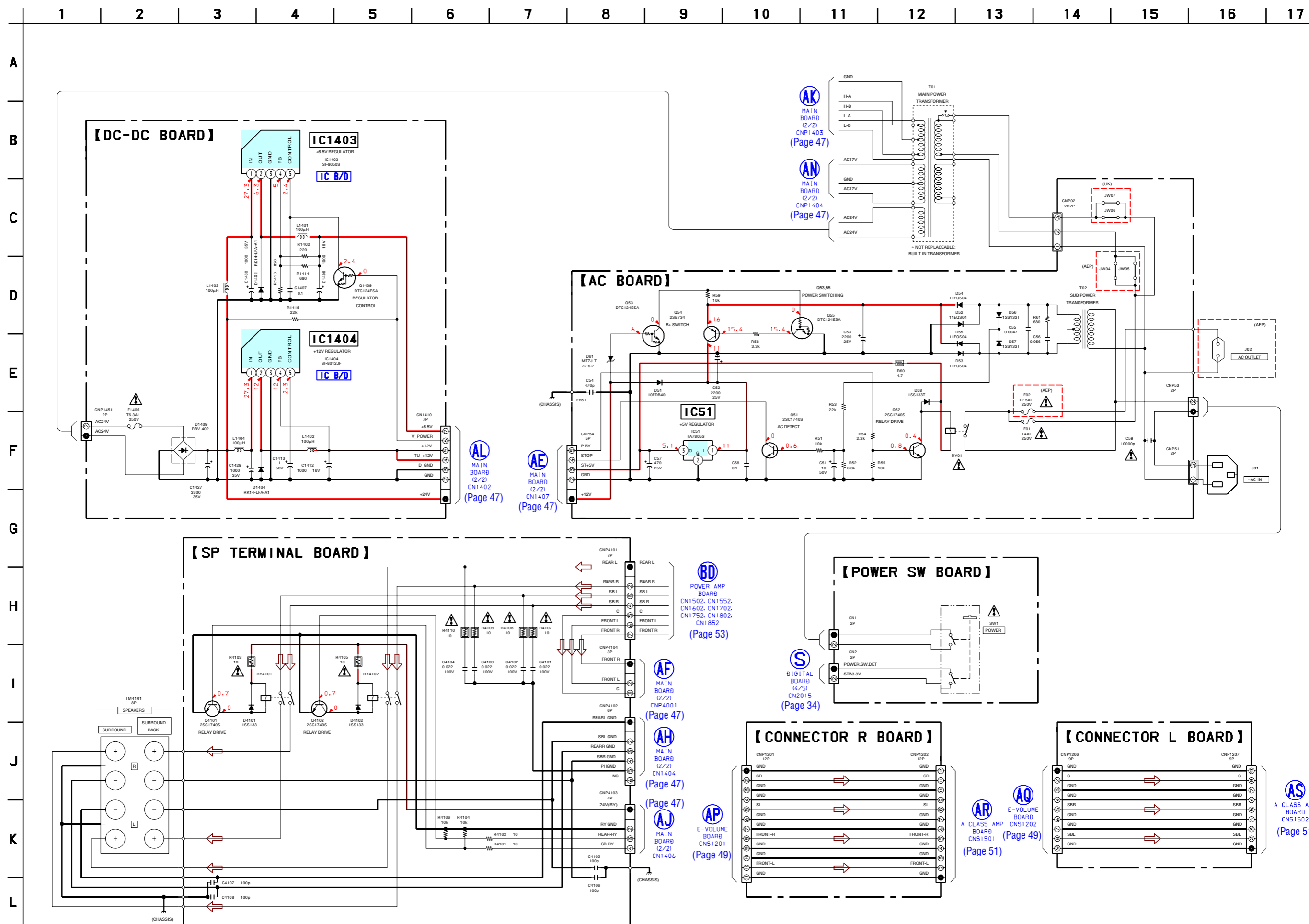
6-47. PRINTED WIRING BOARD – AC Board – • See page 30 for Circuit Boards Location.  : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D51	G-7
D52	G-4
D53	G-4
D54	G-4
D55	G-4
D56	F-6
D57	F-6
D58	B-8
D61	H-6
IC51	G-7
Q51	E-6
Q52	C-8
Q53	H-6
Q54	H-6
Q55	H-6

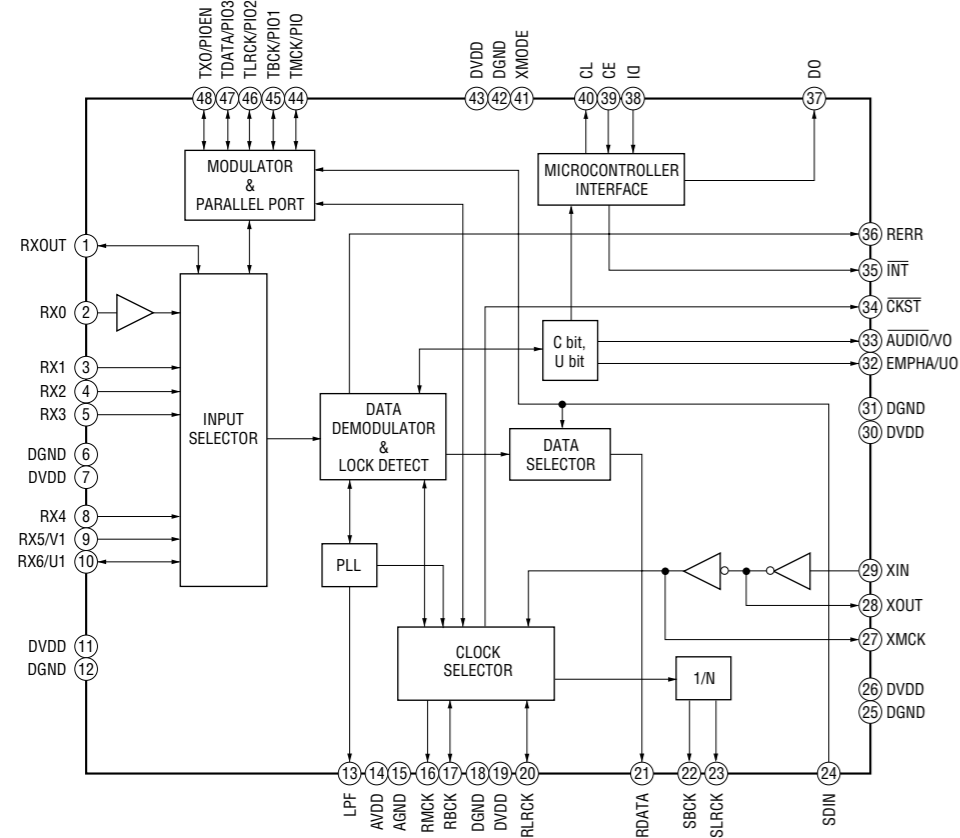


6-48. SCHEMATIC DIAGRAM – POWER SUPPLY Section – • See page 72 for IC Block Diagrams.

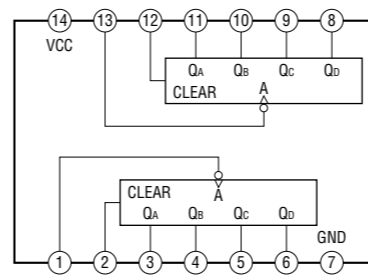


• IC Block Diagrams
– DIGITAL Board –

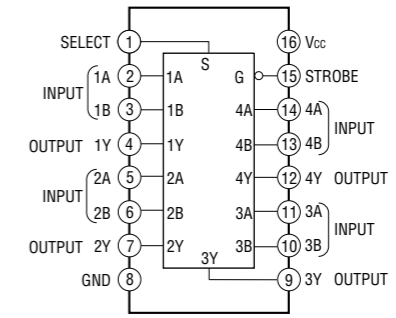
IC2006 LC89057W-VF4A-E



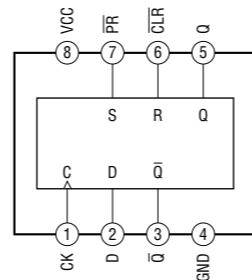
IC2017 TC74VHC393FT (EL)



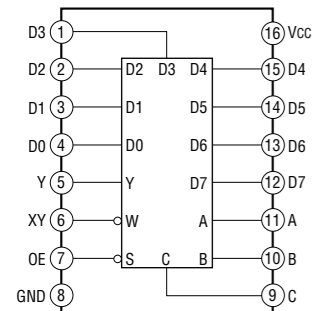
IC2018, 2019 TC74VHC157FT (EL)



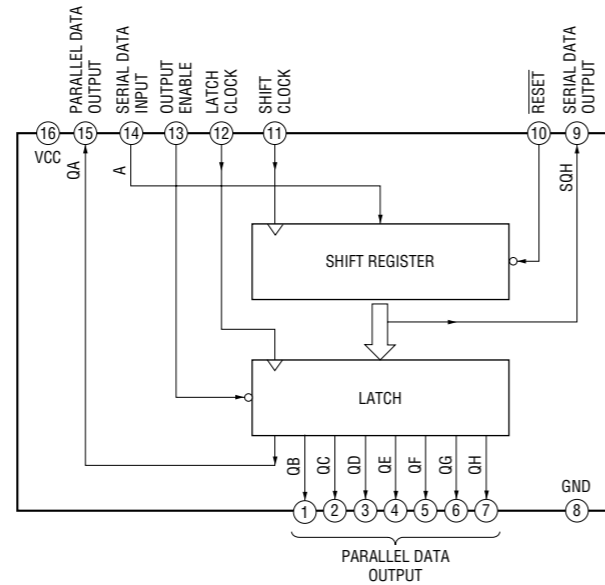
IC2022, 2036 TC7WH74FU (TE12R)



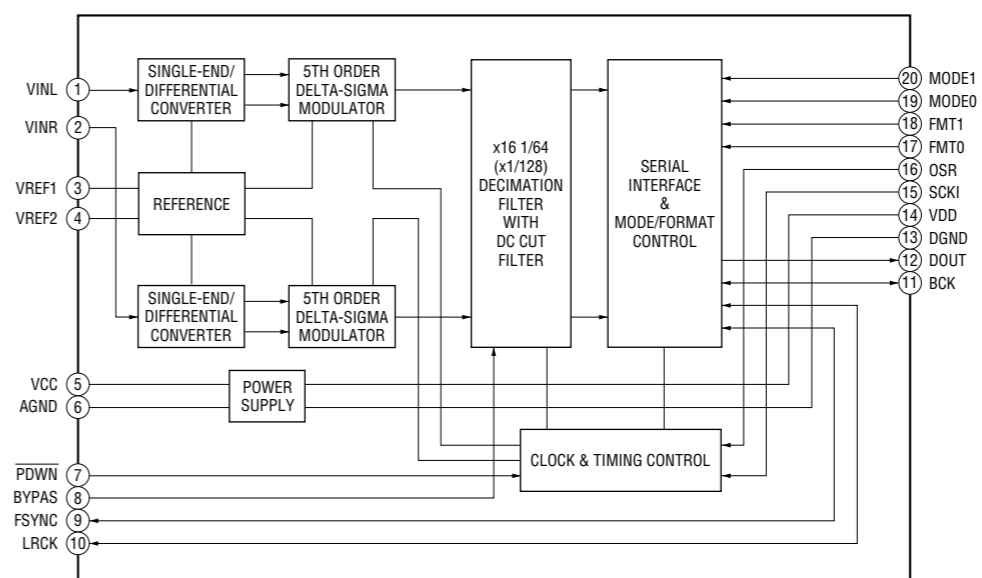
IC2009 TC74HC151AF (EL)



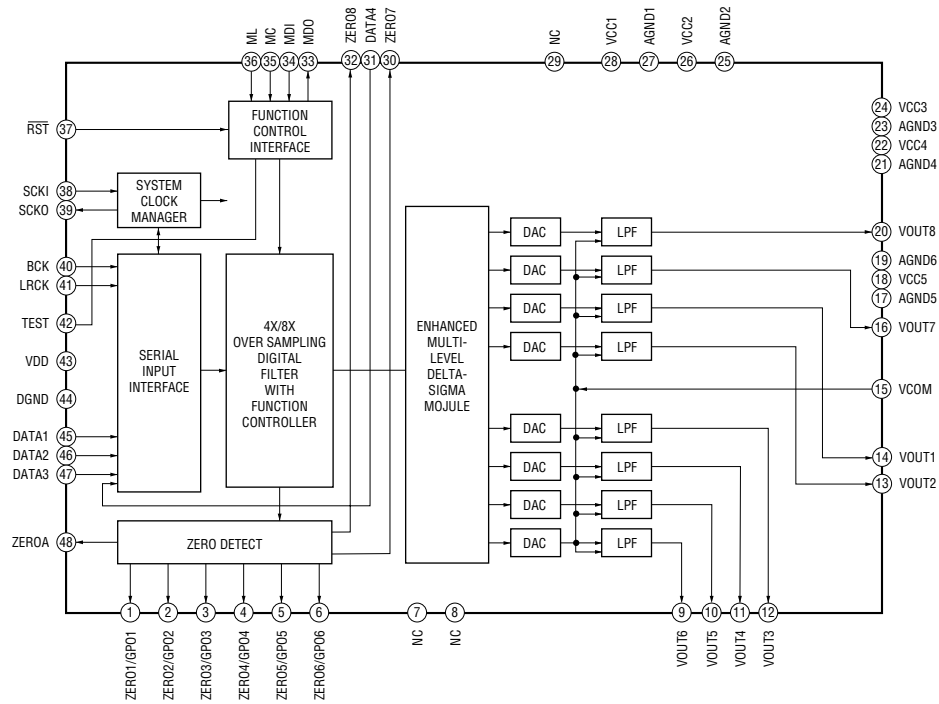
IC2012, 2044 SN74HC595ANS



IC2024 PCM1802DBR

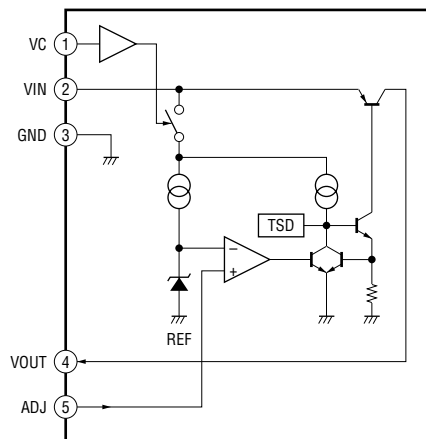


IC2034 PCM1609APT

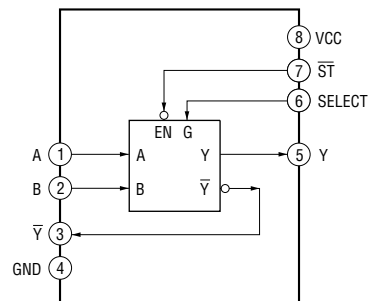


- DSP Board -

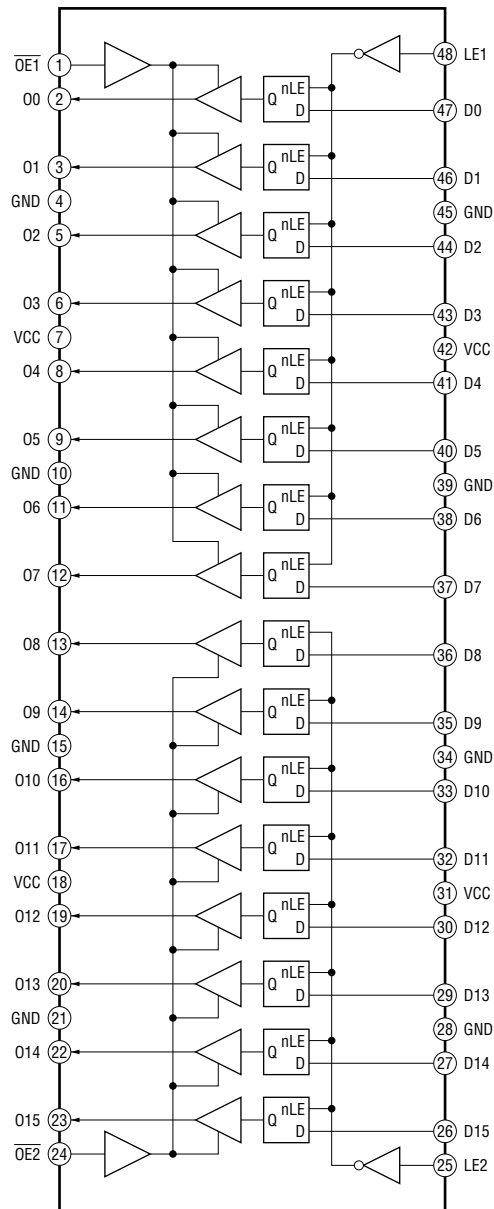
IC1 SI-3010KM-TL



IC4 TC7WH157FK (TE85R)

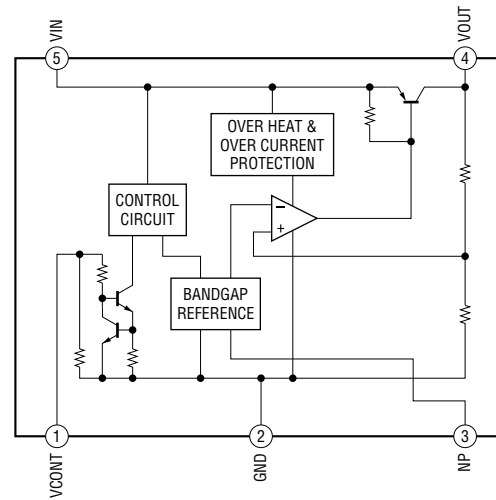


IC6 MC74LCX16373DTR2



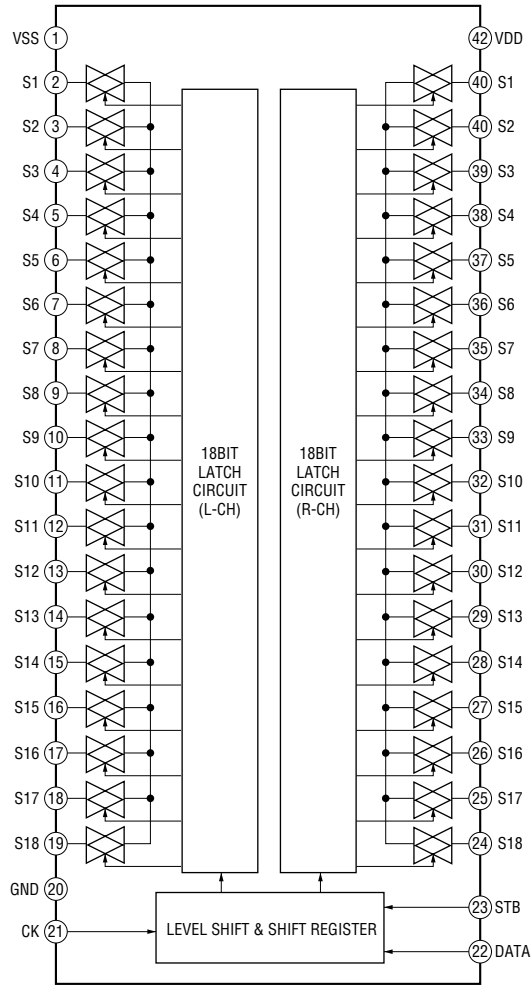
- HDMI SW Board -

IC5002 TK11150CSCL-G



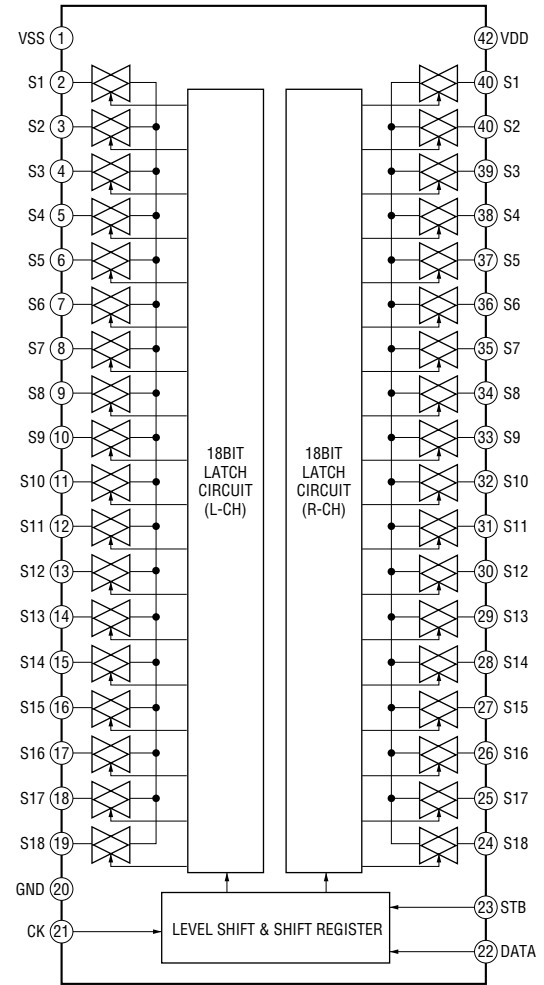
– ANALOG Board –

IC401, 501 TC9274CNG-015



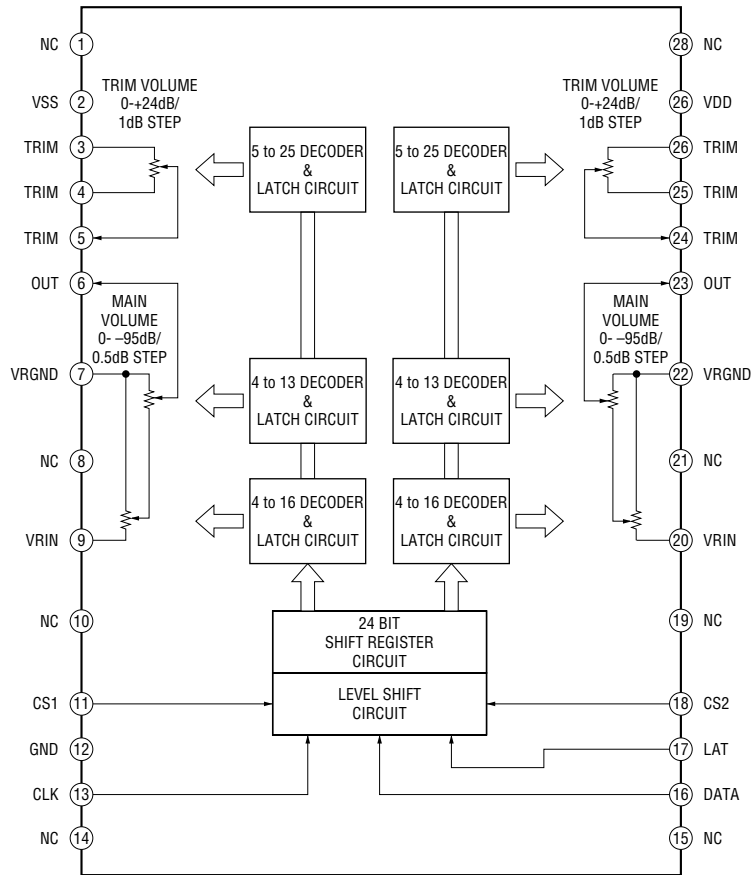
– MAIN Board –

IC1001 TC9274CNG-016



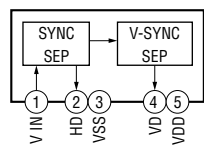
– E-VOLUME Board –

IC1203, 1213, 1223, 1233 CXD9725M-HFL

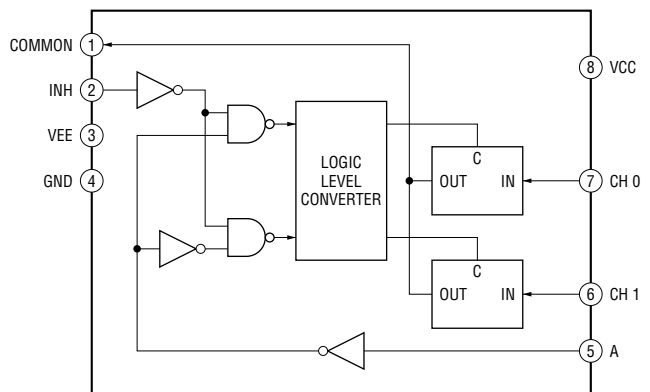


– VIDEO Board –

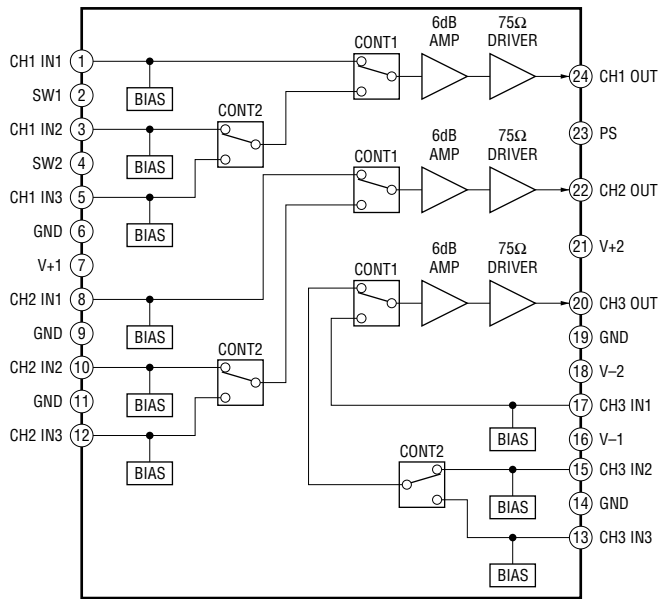
IC6302, 6731 LA7213



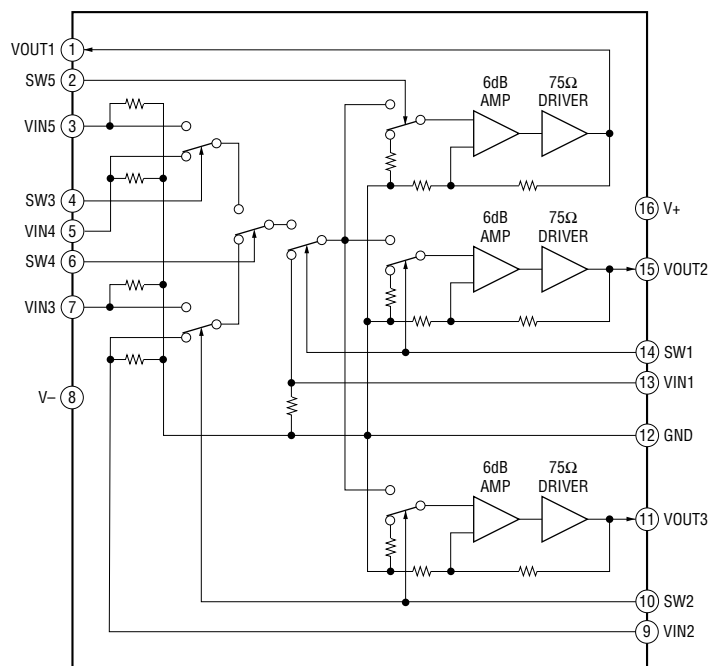
IC6303 TC7W53FU (TE12R)



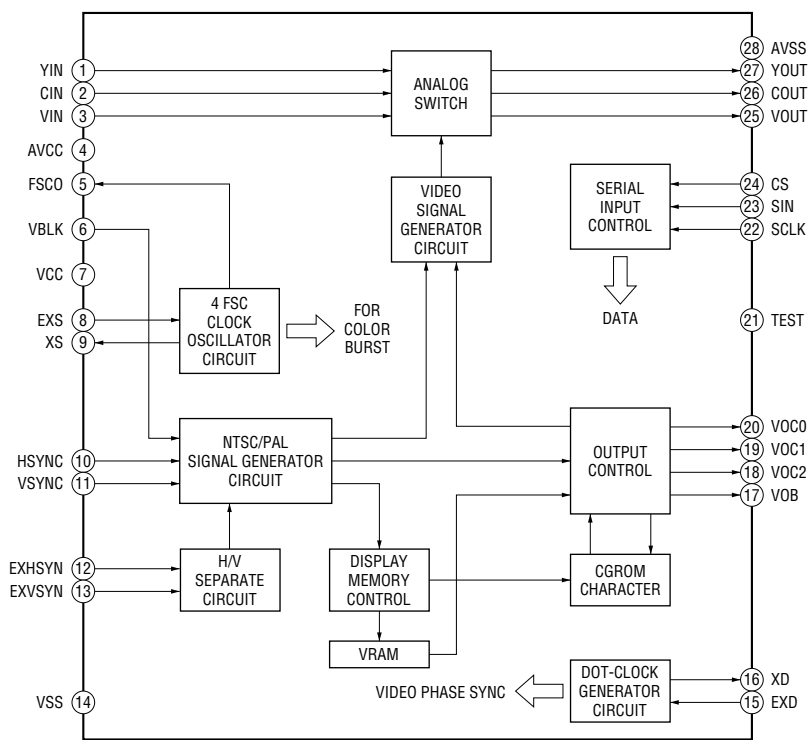
IC6331 NJM2586AM



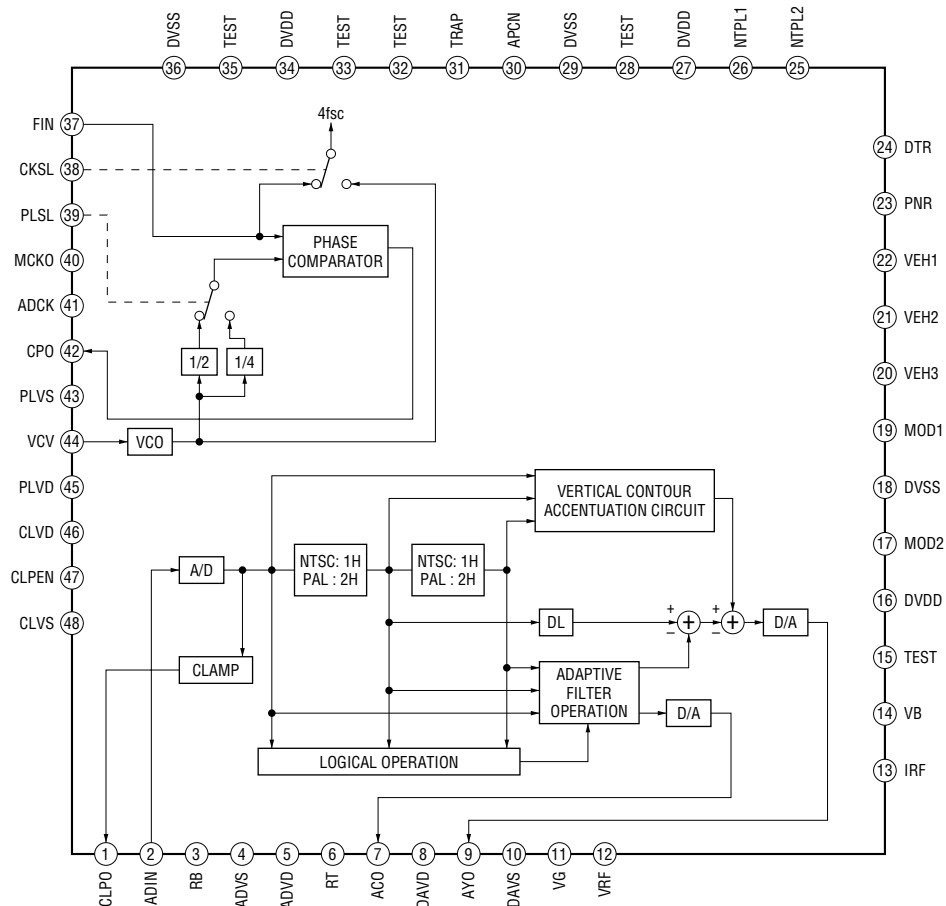
IC6431 NJM2595M-TE2



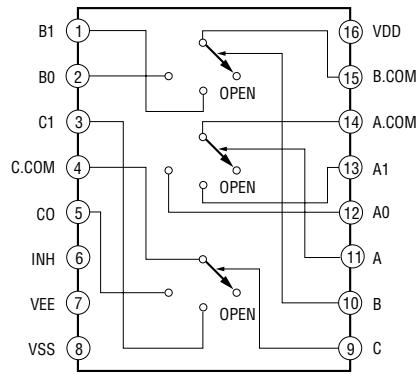
IC6501 MB90089F-G-238-BND



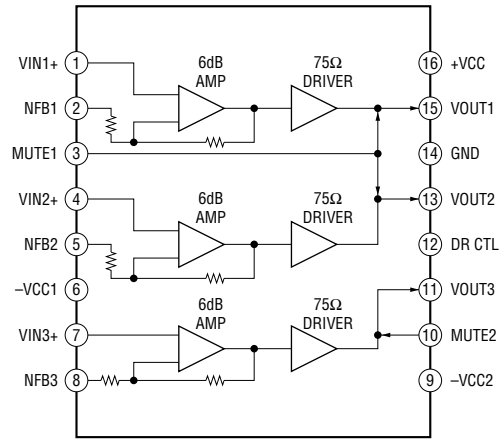
IC6601 CXD2064Q



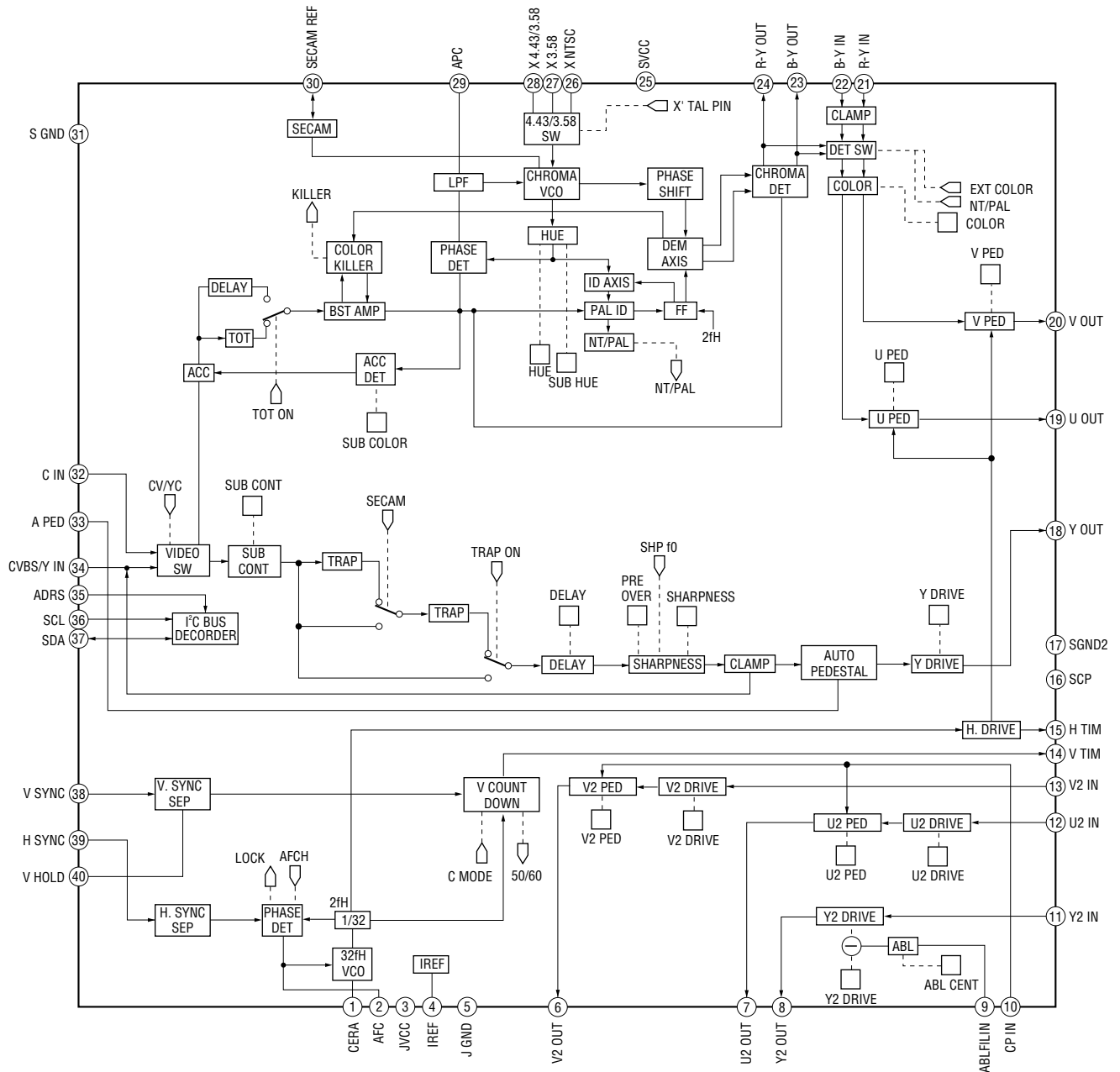
IC6651, 6751 HD14053BFP



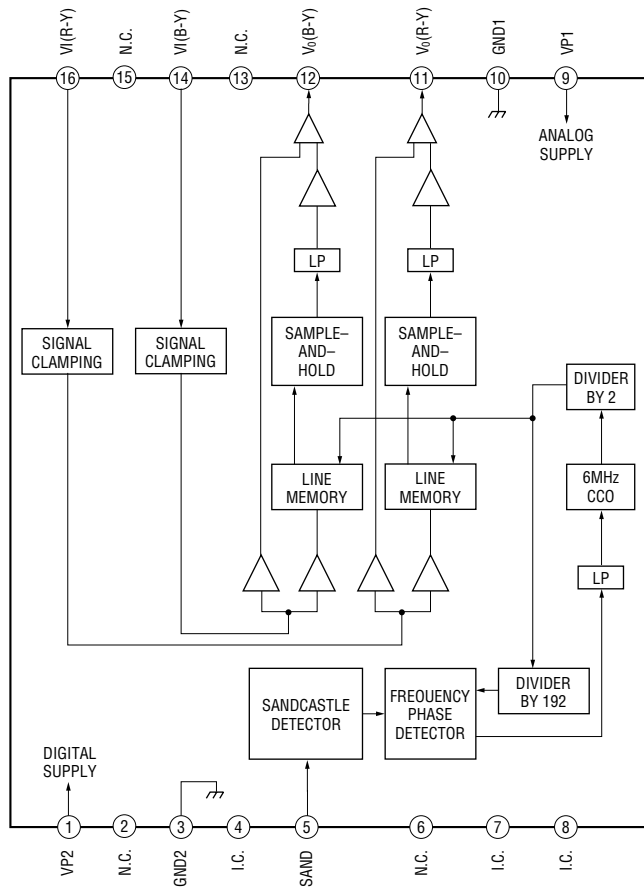
IC6671 LA7106M-TLM



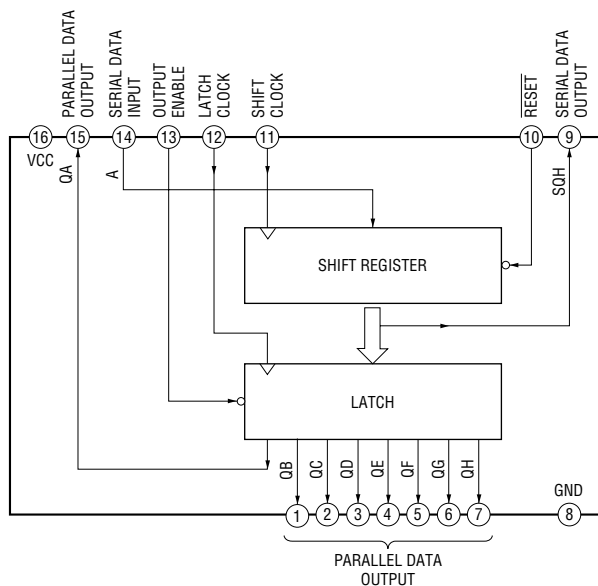
IC6701 CXA2199Q



IC6721 TDA4665T/V5-118

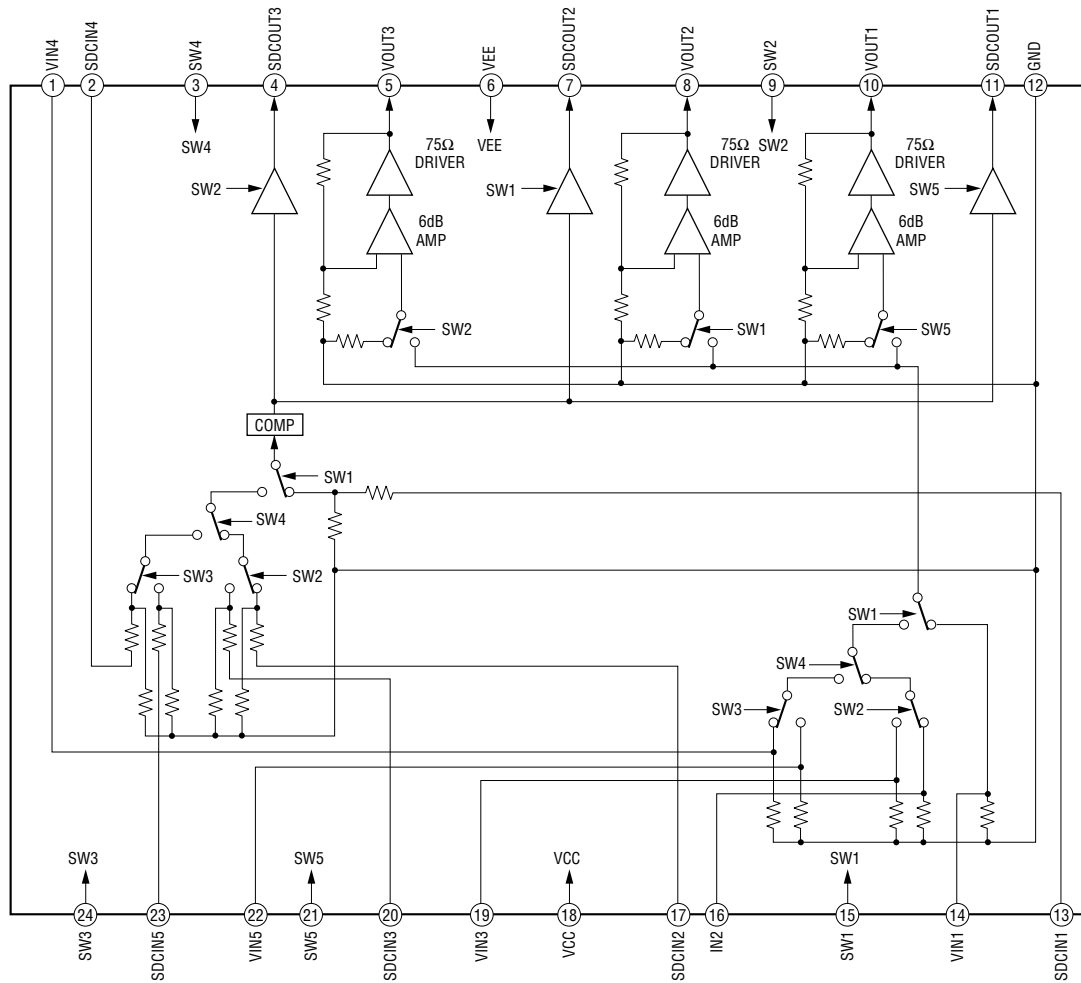


IC6812, 6813 SN74HC595ANS

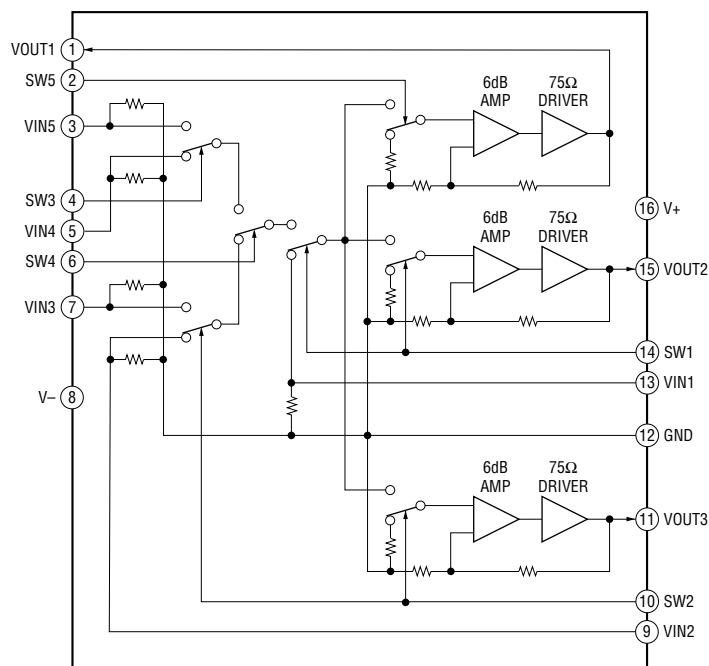


- S-VIDEO Board -

IC6901 NJM2596M (TE2)

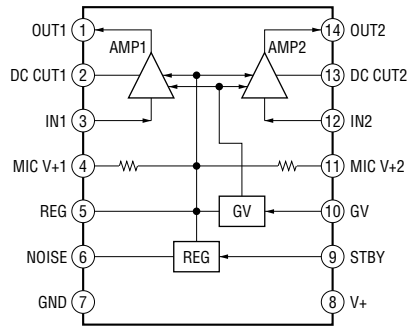


IC6902 NJM2595M-TE2



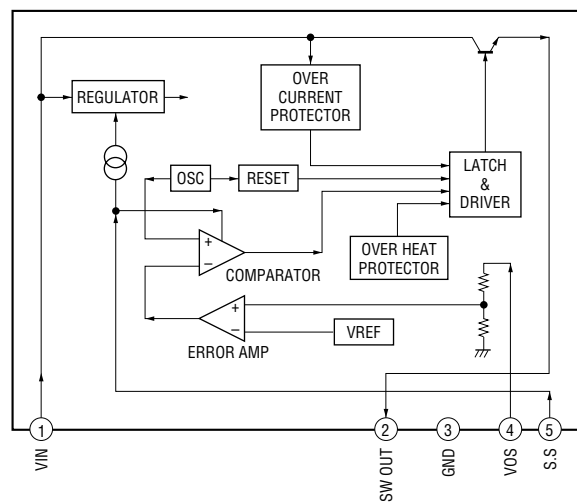
- DISPLAY Board -

IC703 NJM2173AV (TE2)

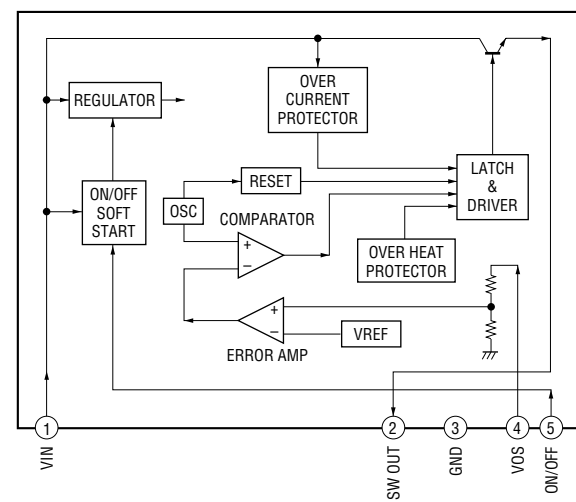


- DC-DC Board -

IC1403 SI-8050S-LF1101



IC1404 SI-8120JF



• IC Pin Function Description

DIGITAL BOARD IC2054 MB91F355APMT-A1ES-X103 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1, 2	BASS JOG1, BASS JOG2	I	Jog dial pulse input from the rotary encoder (for TUNE)
3, 4	TREB JOG1, TREB JOG2	I	Jog dial pulse input from the rotary encoder (for TONE)
5	SVOL LAT (A90)	O	Serial data latch pulse signal output terminal Not used
6	TUNER LAT	O	Serial data latch pulse signal output to the tuner
7	TUNER DO	I	Serial data input from the tuner
8	TUNED	I	Tuned detection signal input from the tuner
9	STEREO	I	FM stereo detection signal input from the tuner
10	RDS DATA	I	RDS serial data input from the tuner
11	DATA0	I	Audio serial data input from the digital audio interface
12	DSP RESET	O	System reset signal output to the DSP "L": reset
13	DSP (LAT)	O	Serial data latch pulse output to the DSP
14	DSP SPICLK	O	Mic on/off control signal output terminal
15	DSP MISO	I	Serial data input terminal Not used
16	DSP MOSI	O	Serial data output terminal Not used
17	VSS	-	Ground terminal
18	VCC	-	Power supply terminal (+3.3V)
19, 20	DSP BCFG0, DSP BCFG1	-	Not used
21	SF CPU CE	O	Chip enable signal output to the serial flash
22	SF DSP MAS	I	Master/slave selection signal input from the DSP "L": DSP is master
23	96/24	-	Not used
24	T/A XCS	O	Chip select signal output terminal Not used
25	T/A SO	I	Serial data input from the lip sync adjust
26	T/A XRST	O	System reset signal output terminal Not used
27	MAIN DO	O	Serial data output terminal Not used
28	MAIN CLK	O	Serial data transfer clock signal output terminal Not used
29	SUB-U RESET	O	System reset signal output terminal Not used
30	DIR XMODE	O	System reset signal output to the digital audio interface "L": reset
31	DIR CE	O	Chip enable signal output to the digital audio interface
32	DIR DO	I	Serial data input from the digital audio interface
33	DIR ERROR	I	PLL lock error signal and data error flag input from the digital audio interface
34	DIR CKST	I	Clock select signal input from the digital audio interface
35	VSS	-	Ground terminal
36	VCC	-	Power supply terminal (+3.3V)
37	AD/DA RESET	O	System reset signal output to the A/D converter and D/A converter "L": reset
38	DAC LAT	O	Serial data latch pulse signal output to the D/A converter
39	DAC DO	I	Serial data input from the D/A converter
40	AD (SB) RESET	O	System reset signal output terminal Not used "L": reset
41, 42	ADMIX LAT (A90)	O	Serial data latch pulse signal output terminal Not used
43	RF ERR (A90)	I	Error signal input terminal Not used
44	MUTE	O	System muting on/off control signal output terminal
45	DAVS	-	Ground terminal
46	DAVC	-	Power supply terminal (+3.3V)
47 to 49	NO USE	-	Not used

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

Pin No.	Pin Name	I/O	Description
103	NO USE	O	Source selection signal output to the HDMI receiver
104	NO USE	I	HDMI jack detection signal input terminal
105	CTL-A1 IN	I	Power key input terminal
106	CTL-A1 LAT	O	Serial data latch pulse signal output to the electrical volume
107	CTL-A1 OUT	O	Relay drive signal (for front-A) output terminal
108	STOP	I	AC off detection signal input terminal
109	MBUS STS0	O	Relay drive signal (for front-B) output terminal
110	MBUS STS1	O	Relay drive signal (for center) output terminal
111	MBUS STS2	O	Relay drive signal (for surround back) output terminal
112	MBUS STS3	O	Relay drive signal (for surround) output terminal
113	MBUS STS4	I	Protect signal input terminal
114	VSS	-	Ground terminal
115	VCC	-	Power supply terminal (+3.3V)
116	DAB TX	I	Serial data input from the DSP or serial flash
117	DAB RX	O	Serial data output to the DSP or serial flash
118	DAB POWER	O	Serial data transfer clock signal output to the DSP
119	ILINK TX	I	UART communication transfer data input terminal Not used
120	ILINK RX	O	UART communication receive data output terminal Not used
121	ILINK RESET	O	System reset signal output terminal Not used
122	HDMI TX	I	Serial data input terminal Not used
123	HDMI RX	O	Serial data output terminal Not used
124	HDMI RESET	O	System reset signal output terminal Not used
125	FLASH SI	I	Serial data input terminal Not used
126	FLASH SO	O	Serial data output terminal Not used
127	ILINK CTS	O	Serial data transfer clock signal output terminal Not used
128	ILINK RTS	I	Serial data input terminal Not used
129	FL DATA	O	Serial data output to the fluorescent indicator tube
130	FL CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
131	NO USE	-	Not used
132	END FLAG	O	End flag output terminal Not used
133	RST TRG	O	Reset signal output terminal
134	NMIX	-	Not used
135	XA-OUT	-	Not used
136	VSS	-	Ground terminal
137	XA-IN	-	Not used
138 to 140	MD2 to MD0	I	Model destination signal input terminal
141	X-IN	I	Main system clock input terminal (12.5 MHz)
142	VCC	-	Power supply terminal (+3.3V)
143	X-OUT	O	Main system clock output terminal (12.5 MHz)
144	XRESET	I	System reset signal input terminal "L": reset
145	VSS	-	Ground terminal
146	VCC	-	Power supply terminal (+3.3V)
147	POWER RY1	O	Relay drive signal (for main power) output terminal Not used
148	POWER RY2	O	Relay drive signal (for main power) output terminal "H": relay on
149, 150	FUNCTION JOG1, FUNCTION JOG2	I	Jog dial pulse input from the rotary encoder (for INPUT SELECTOR)

Pin No.	Pin Name	I/O	Description
151, 152	VOL JOG1, VOL JOG2	I	Jog dial pulse input from the rotary encoder (for MASTER VOLUME)
153	H.P. IN	I	Headphone detection signal input terminal "H": headphone is connected
154	LED CLR	O	LED drive signal output terminal
155	LED LAT	O	LED drive signal output terminal
156	FL CLR	O	Clear signal output terminal Not used
157	FL LAT	O	Serial data latch pulse output to the fluorescent indicator tube
158, 159	SP-SW FA, SP-SW FB	I	Front speaker selection switch input terminal Not used
160	SP-SW SA (A90)	O	LED drive signal output terminal
161	SP-SW SB (A90)	O	LED drive signal output terminal
162	VSS	-	Ground terminal
163	VCC	-	Power supply terminal (+3.3V)
164	FSRATE	I	L/R sampling clock signal (44.1 kHz) input terminal
165	SUB-U DATA	I	Serial data input terminal Not used
166	NO USE	-	Not used
167	EEPROM SDA	I/O	Two-way data bus with the EEPROM
168	EEPROM SCL	O	Serial data transfer clock signal output to the EEPROM
169	+/- JOG1	I	Jog dial pulse input terminal Not used
170	+/- JOG2	I	Thermistor connection terminal for abnormal temperature detection
171, 172	PAGE JOG1, PAGE JOG2	I	Jog dial pulse input terminal Not used
173	MAIN MENU JOG1	I	Jog dial pulse input terminal Not used
174	MAIN MENU JOG2	O	Blanking period signal output to the fluorescent indicator tube
175	VSS	-	Ground terminal
176	VCC	-	Power supply terminal (+3.3V)

DSP BOARD IC2 ADSP21266SKSTZ-2C (DSP)

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

Pin No.	Pin Name	I/O	Description
58	GND	-	Ground terminal
59	VDDEXT	-	Power supply terminal (+3.3V)
60	VDDINT	-	Power supply terminal (+1.2V)
61	GND	-	Ground terminal
62	PF_CE	I/O	Chip enable signal input/output terminal Not used
63	SPI_MAS	O	Master/slave selection signal output terminal "L": DSP is master
64	DPSOA	O	PCM audio signal (front L/R) output terminal
65	DPSOB	O	PCM audio signal (surround L/R) output terminal
66	VDDINT	-	Power supply terminal (+1.2V)
67	GND	-	Ground terminal
68	VDDINT	-	Power supply terminal (+1.2V)
69	GND	-	Ground terminal
70	DPSOC	O	PCM audio signal (center, sub woofer) output terminal
71	DPSOD	O	PCM audio signal (surround back L/R) output terminal
72	VDDINT	-	Power supply terminal (+1.2V)
73	VDDEXT	-	Power supply terminal (+3.3V)
74	GND	-	Ground terminal
75	VDDINT	-	Power supply terminal (+1.2V)
76	GND	-	Ground terminal
77	DPSOE	O	PCM audio signal output terminal Not used
78	DPSIA	I	PCM audio signal (digital input) input terminal
79	DPSIB	I	PCM audio signal (front L/R) input terminal
80	DPSIC	I	PCM audio signal (surround L/R) input terminal
81	DPSID	I	PCM audio signal (center, sub woofer) input terminal
82	DPSIE	I	PCM audio signal (surround back L/R) input terminal
83	VDDINT	-	Power supply terminal (+1.2V)
84, 85	GND	-	Ground terminal
86	DPDVLCK	O	L/R sampling clock signal (44.1 kHz) output terminal for PCM audio output
87	DPDVBCK	O	Bit clock signal (2.8224 MHz) output terminal for PCM audio output
88	DPLRCK	I	L/R sampling clock signal (44.1 kHz) input terminal for PCM audio input
89	DPBCK	I	Bit clock signal (2.8224 MHz) input terminal for PCM audio input
90	VDDINT	-	Power supply terminal (+1.2V)
91, 92	GND	-	Ground terminal
93	VDDEXT	-	Power supply terminal (+3.3V)
94	DPFCK	I	Master clock signal input terminal
95	GND	-	Ground terminal
96	VDDINT	-	Power supply terminal (+1.2V)
97	XNONAUDIO	I	Digital input signal switch control signal input terminal
98	XSF_CE	O	Chip enable signal output to the flash memory
99	VDDINT	-	Power supply terminal (+1.2V)
100	GND	-	Ground terminal
101	VDDINT	-	Power supply terminal (+1.2V)
102	GND	-	Ground terminal
103	VDDINT	-	Power supply terminal (+1.2V)
104	GND	-	Ground terminal
105	VDDINT	-	Power supply terminal (+1.2V)
106	GND	-	Ground terminal

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

HDMI SW BOARD IC5001 TMDS341PFCR (HDMI RECEIVER, HDMI TRANSCEIVER)

Pin No.	Pin Name	I/O	Description
1	NC	-	Not used
2	SDA1	I/O	I2C two-way data bus with the HDMI VIDEO IN jack
3	SCL1	I	I2C clock signal input from the HDMI VIDEO IN jack
4	GND	-	Ground terminal
5	B11	I	TMDS clock signal (negative) input from the HDMI VIDEO IN jack
6	A11	I	TMDS clock signal (positive) input from the HDMI VIDEO IN jack
7	VCC	-	Power supply terminal (+3.3V)
8	B12	I	TMDS data (negative) input from the HDMI VIDEO IN jack
9	A12	I	TMDS data (positive) input from the HDMI VIDEO IN jack
10	GND	-	Ground terminal
11	B13	I	TMDS data (negative) input from the HDMI VIDEO IN jack
12	A13	I	TMDS data (positive) input from the HDMI VIDEO IN jack
13	VCC	-	Power supply terminal (+3.3V)
14	B14	I	TMDS data (negative) input from the HDMI VIDEO IN jack
15	A14	I	TMDS data (positive) input from the HDMI VIDEO IN jack
16	GND	-	Ground terminal
17	VCC	-	Power supply terminal (+3.3V)
18	VSADJ	I	TMDS compliant voltage swing control signal input terminal Not used
19	PRE	I	Output de-emphasis setting terminal "L": 0 dB, "H": 3 dB Fixed at "L" in this set
20	NC	-	Not used
21	S1	I	Source selection signal input from the system controller
22, 23	S2, S3	I	Source selection signal input terminal Not used
24	GND	-	Ground terminal
25	Y4	O	TMDS data (positive) output to the HDMI MONITOR OUT jack
26	Z4	O	TMDS data (negative) output to the HDMI MONITOR OUT jack
27	VCC	-	Power supply terminal (+3.3V)
28	Y3	O	TMDS data (positive) output to the HDMI MONITOR OUT jack
29	Z3	O	TMDS data (negative) output to the HDMI MONITOR OUT jack
30	GND	-	Ground terminal
31	Y2	O	TMDS data (positive) output to the HDMI MONITOR OUT jack
32	Z2	O	TMDS data (negative) output to the HDMI MONITOR OUT jack
33	VCC	-	Power supply terminal (+3.3V)
34	Y1	O	TMDS data (positive) output to the HDMI MONITOR OUT jack
35	Z1	O	TMDS data (negative) output to the HDMI MONITOR OUT jack
36, 37	GND	-	Ground terminal
38	SCL_SINK	O	I2C clock signal output to the HDMI MONITOR OUT jack
39	SDA_SINK	I/O	I2C two-way data bus with the HDMI MONITOR OUT jack
40	HPD_SINK	I	Hot plug detection signal input terminal for the HDMI MONITOR OUT jack
41	NC	-	Not used
42	OEB	I	Chip enable signal input from the system controller "L": active
43	VCC	-	Power supply terminal (+3.3V)
44	HPD3	O	Hot plug detection signal output terminal Not used
45	SDA3	I/O	I2C two-way data bus terminal Not used
46	SCL3	I	I2C clock signal input terminal Not used
47	GND	-	Ground terminal
48	B31	I	TMDS clock signal (negative) input terminal Not used

Pin No.	Pin Name	I/O	Description
49	A31	I	TMDS clock signal (positive) input terminal Not used
50	VCC	-	Power supply terminal (+3.3V)
51	B32	I	TMDS data (negative) input terminal Not used
52	A32	I	TMDS data (positive) input terminal Not used
53	GND	-	Ground terminal
54	B33	I	TMDS data (negative) input terminal Not used
55	A33	I	TMDS data (positive) input terminal Not used
56	VCC	-	Power supply terminal (+3.3V)
57	B34	I	TMDS data (negative) input terminal Not used
58	A34	I	TMDS data (positive) input terminal Not used
59	GND	-	Ground terminal
60	NC	-	Not used
61	VCC	-	Power supply terminal (+3.3V)
62	HPD3	O	Hot plug detection signal output to the HDMI DVD IN jack
63	SDA3	I/O	I2C two-way data bus with the HDMI DVD IN jack
64	SCL3	I	I2C clock signal input from the HDMI DVD IN jack
65	GND	-	Ground terminal
66	B31	I	TMDS clock signal (negative) input from the HDMI DVD IN jack
67	A31	I	TMDS clock signal (positive) input from the HDMI DVD IN jack
68	VCC	-	Power supply terminal (+3.3V)
69	B32	I	TMDS data (negative) input from the HDMI DVD IN jack
70	A32	I	TMDS data (positive) input from the HDMI DVD IN jack
71	GND	-	Ground terminal
72	B33	I	TMDS data (negative) input from the HDMI DVD IN jack
73	A33	I	TMDS data (positive) input from the HDMI DVD IN jack
74	VCC	-	Power supply terminal (+3.3V)
75	B34	I	TMDS data (negative) input from the HDMI DVD IN jack
76	A34	I	TMDS data (positive) input from the HDMI DVD IN jack
77	GND	-	Ground terminal
78	NC	-	Not used
79	VCC	-	Power supply terminal (+3.3V)
80	HPD1	O	Hot plug detection signal output to the HDMI VIDEO IN jack

SECTION 7 EXPLODED VIEWS

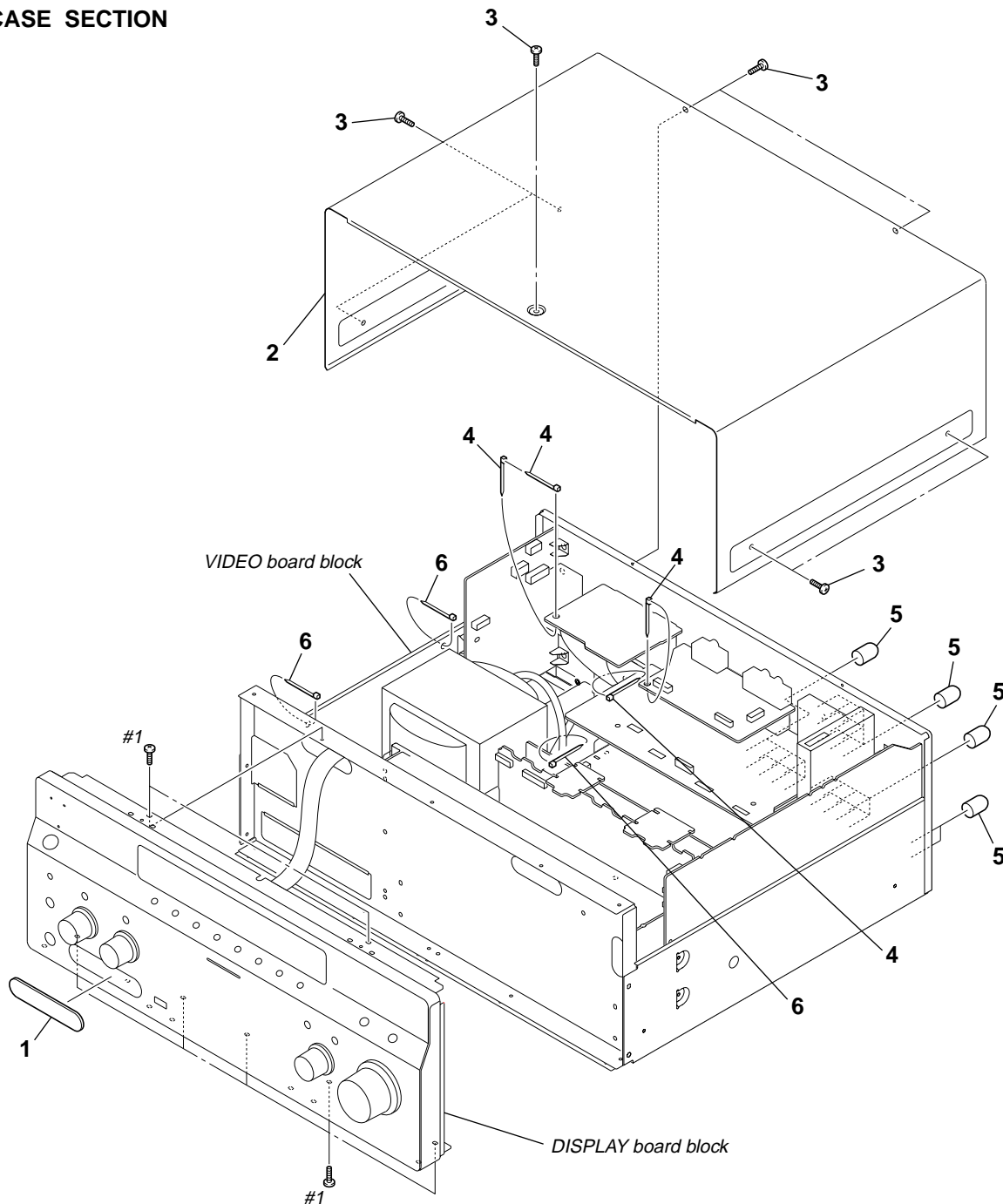
NOTE:

- -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

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

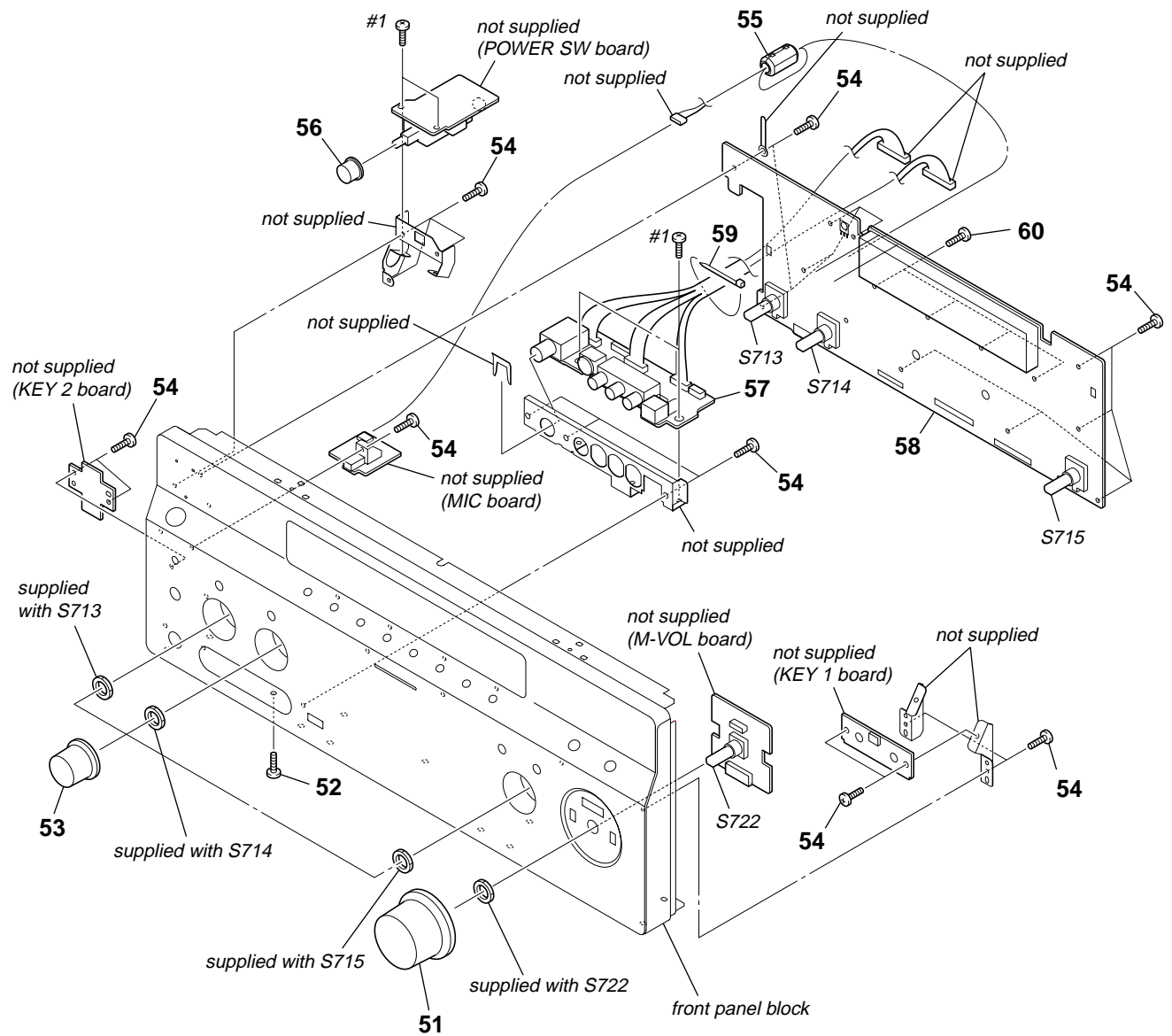
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

7-1. CASE SECTION



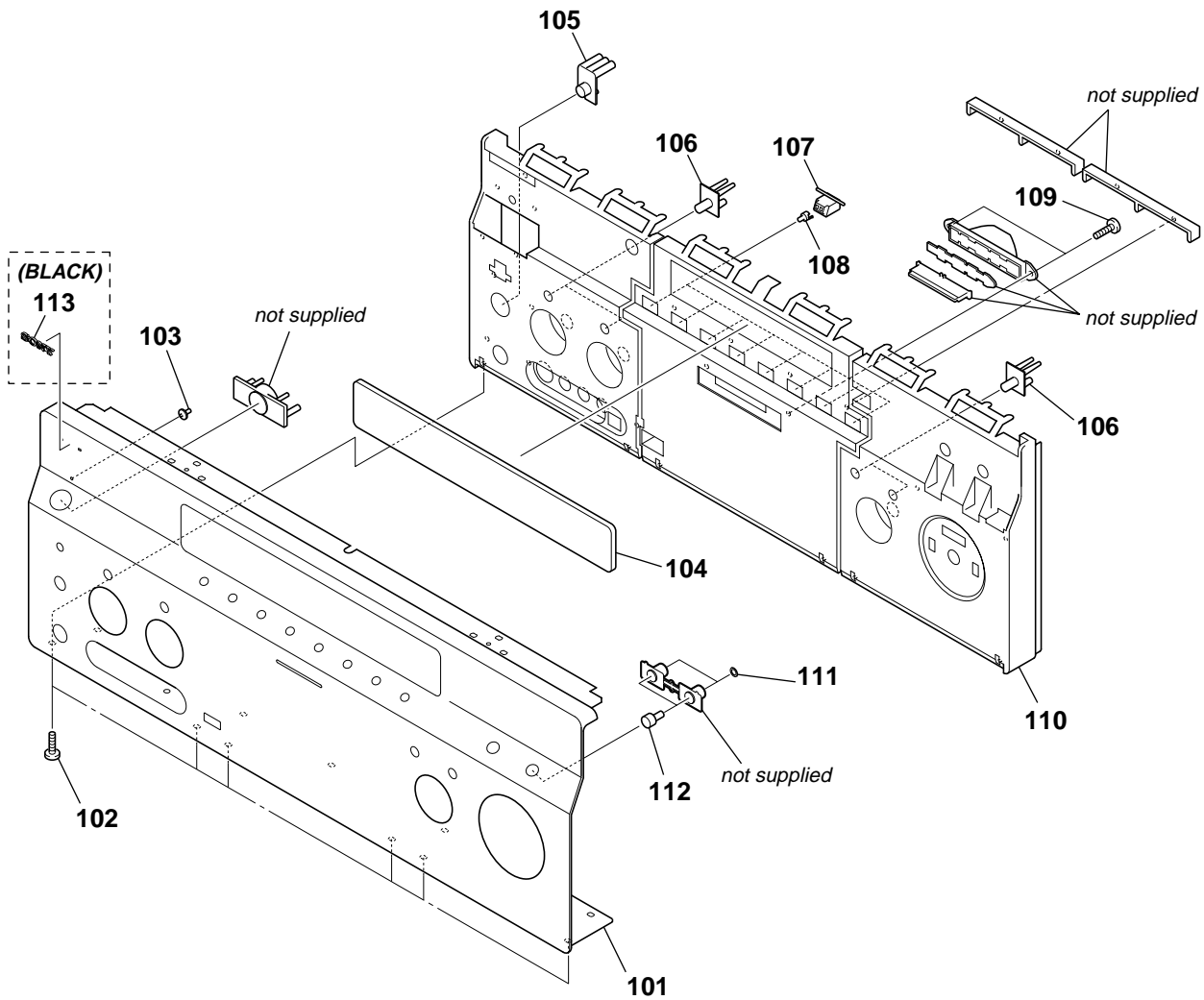
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	2-698-310-01	LID (A2) (BLACK)		3	4-227-843-31	SCREW (TP), FLAT HEAD (for SILVER)	
1	2-698-310-11	LID (A2) (SILVER)		4	3-655-653-11	BAND (TAITON), BINDING	
2	2-668-102-11	CASE (BLACK)		5	3-302-708-11	COVER, CONNECTOR	
2	2-668-102-31	CASE (SILVER)		6	3-655-653-21	BAND (TAITON), BINDING	
3	4-227-843-03	SCREW (TP), FLAT HEAD (for BLACK)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

7-2. DISPLAY BOARD BLOCK



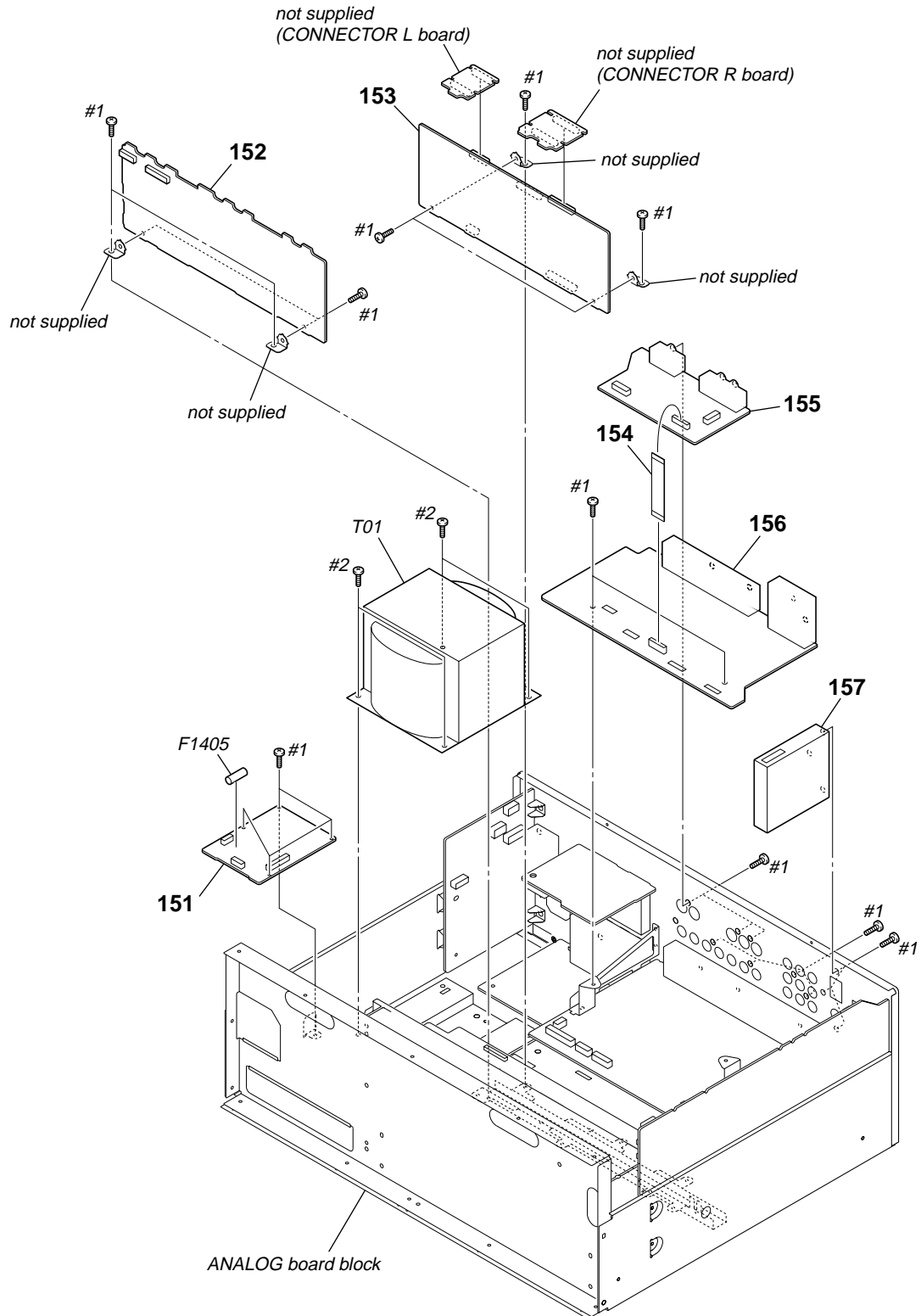
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-4955-650-1	KNOB (VOL) ASSY (SILVER)		58	A-1182-358-A	DISPLAY BOARD, COMPLETE	
51	X-4955-657-1	KNOB (VOL) ASSY (BLACK)		59	3-655-653-21	BAND (TAITON), BINDING	
52	3-704-515-22	SCREW (BV/RING)		60	3-087-053-11	+BVTP2.6 (3CR)	
53	2-661-141-01	MENU KNOB (BLACK)		S713	1-418-400-11	ENCODER, ROTARY (TONE)	
53	2-661-141-11	MENU KNOB (SILVER)		S714	1-418-400-11	ENCODER, ROTARY (TUNING)	
54	3-087-053-01	+BVTP2.6 (3CR)		S715	1-418-400-11	ENCODER, ROTARY (INPUT SELECTOR)	
55	1-543-793-11	FILTER, CLAMP (FERRITE CORE)		S722	1-418-725-41	ENCODER, ROTARY (12 TYPE)	
56	X-4955-616-1	BUTTON (POWER) ASSY (POWER) (BLACK)				(MASTER VOLUME)	
56	X-4955-618-1	BUTTON (POWER) ASSY (POWER) (SILVER)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
57	A-1182-363-A	VIDEO 3 BOARD, COMPLETE					

7-3. FRONT PANEL BLOCK



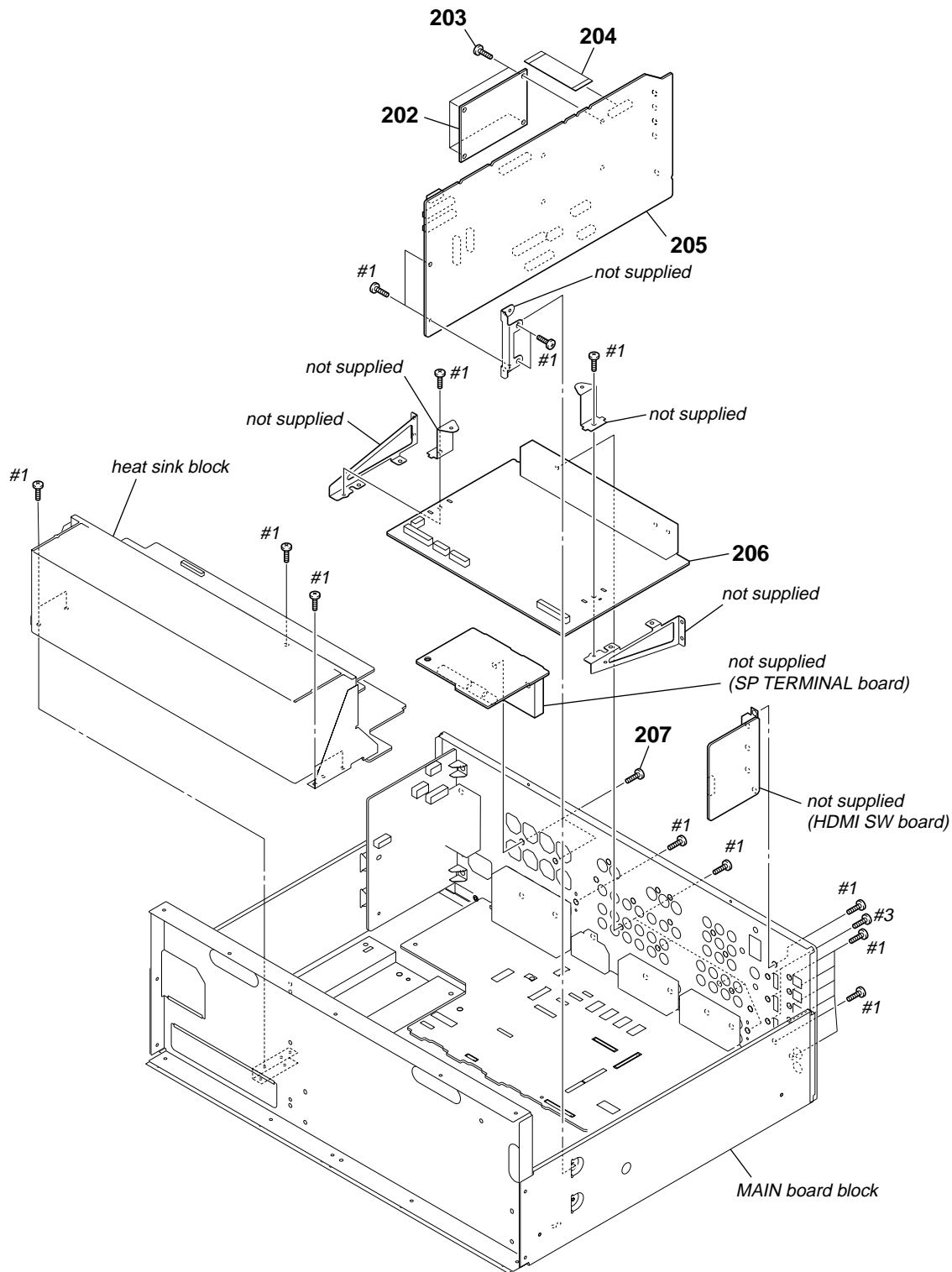
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	2-668-107-01	PANEL (A2), FRONT (BLACK)		107	2-676-728-01	BUTTON (MUSIC-B)	
101	2-668-107-11	PANEL (A2), FRONT (SILVER)		108	2-676-727-01	BUTTON (MUSIC-A)	
102	3-704-515-22	SCREW (BV/RING)		109	3-087-053-01	+BVTP2.6 (3CR)	
103	X-4950-462-1	LENS ASSY, LED		110	2-668-108-01	BASE, PANEL (A2) (BLACK)	
104	2-668-128-01	PLATE (A2), INDICATION (for BLACK)		110	2-668-108-11	BASE, PANEL (A2) (SILVER)	
104	2-668-128-11	PLATE (A2), INDICATION (for SILVER)		111	3-325-697-21	WASHER	
105	4-245-434-01	BUTTON (SP) (BLACK)		112	4-246-100-03	BUTTON (DIA. 7) (SILVER)	
105	4-245-434-41	BUTTON (SP) (SILVER)		112	4-246-100-23	BUTTON (DIA. 7) (BLACK)	
106	2-668-113-01	BUTTON (ZONE) (BLACK)		113	4-942-568-41	EMBLEM (NO.5), SONY (BLACK)	
106	2-668-113-11	BUTTON (ZONE) (SILVER)					

7-4. VIDEO BOARD BLOCK



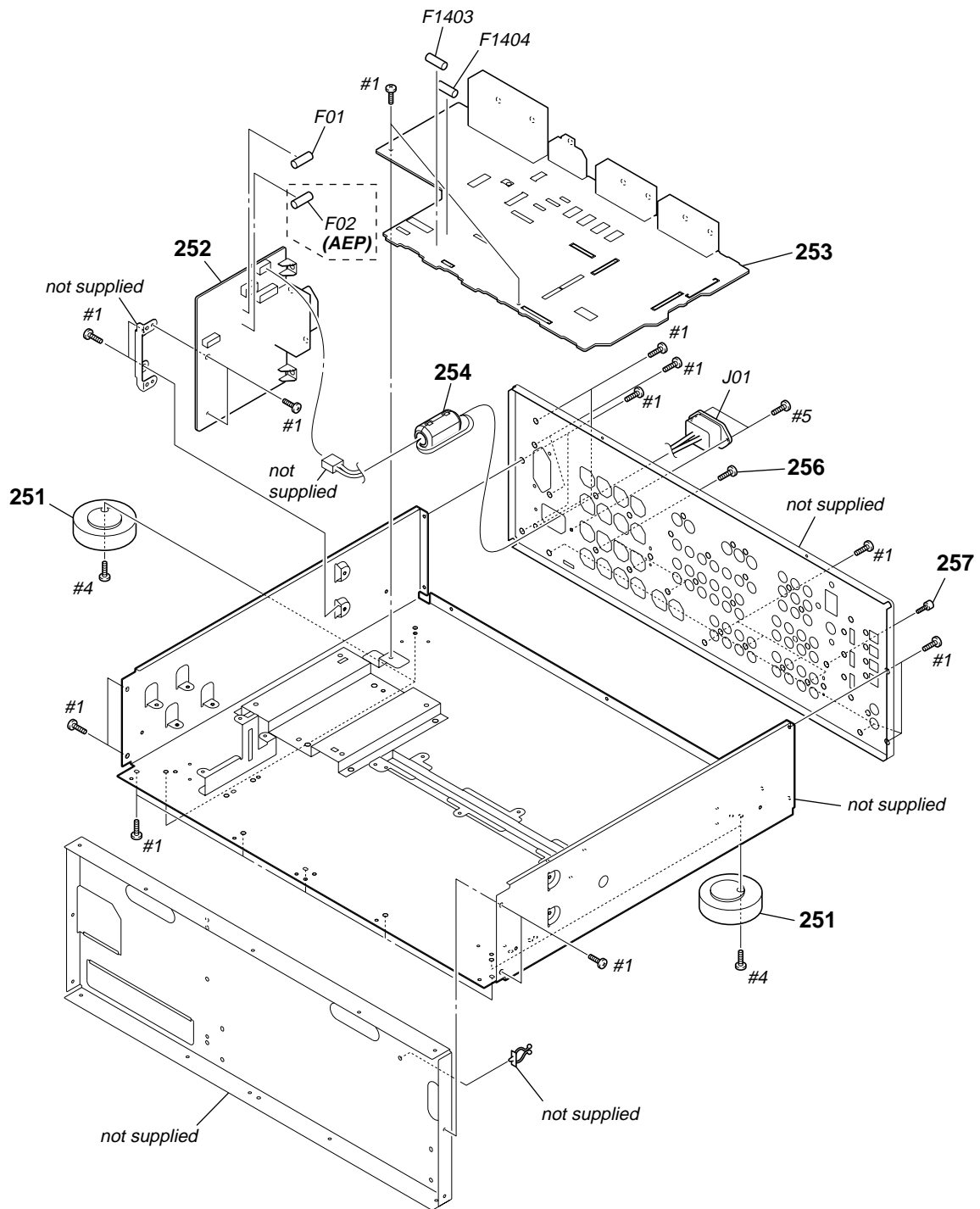
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-1182-296-A	DC-DC BOARD, COMPLETE		157	1-693-676-11	TUNER	
152	A-1182-299-A	A CLASS AMP BOARD, COMPLETE		△ F1405	1-532-506-33	FUSE (T6.3AL/250V)	
153	A-1182-340-A	E-VOLUME BOARD, COMPLETE		△ T01	1-445-044-11	TRANSFORMER, POWER	
154	1-828-981-51	WIRE (FLAT TYPE) (15 CORE)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
155	A-1182-345-A	S-VIDEO BOARD, COMPLETE		#2	7-685-881-09	SCREW +BVTT 4X8 (S)	
156	A-1182-344-A	VIDEO BOARD, COMPLETE					

7-5. ANALOG BOARD BLOCK



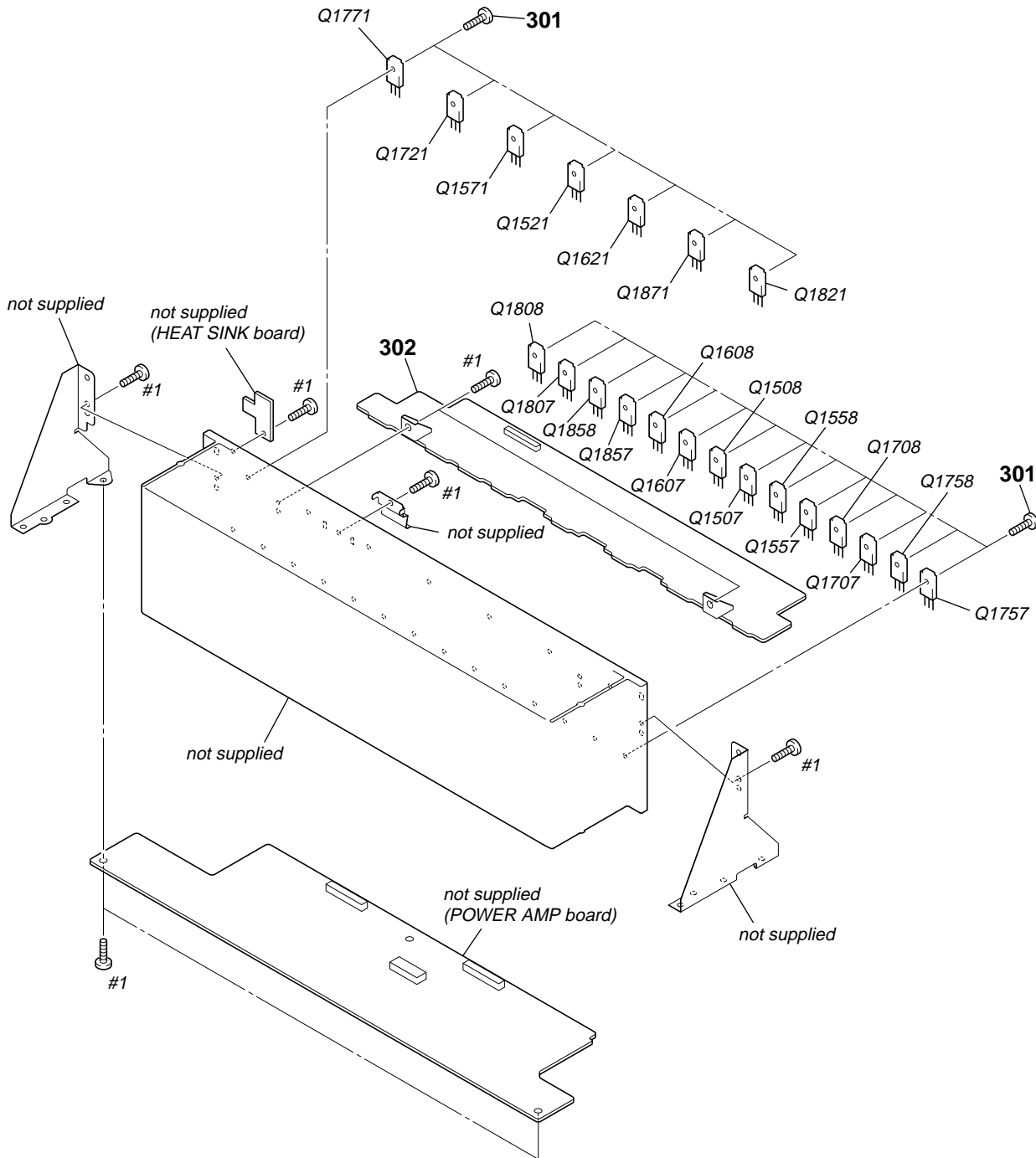
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
202	A-1182-351-A	DSP BOARD, COMPLETE		207	3-704-515-51	SCREW (BV/RING)	
203	3-087-053-01	+BVTP2.6 (3CR)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
204	1-828-337-51	WIRE (FLAT TYPE) (15 CORE)		#3	7-682-547-04	SCREW +B 3X6	
205	A-1182-343-A	DIGITAL BOARD, COMPLETE					
206	A-1182-339-A	ANALOG BOARD, COMPLETE					

7-6. MAIN BOARD BLOCK



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	X-4955-348-1	FOOT ASSY		△F02	1-532-464-33	FUSE (T2.5AL/250V) (AEP)	
252	A-1182-298-A	AC BOARD, COMPLETE (AEP)		△F1403	1-532-504-33	FUSE (T4.0AL/250V)	
252	A-1197-514-A	AC BOARD, COMPLETE (UK)		△F1404	1-532-504-33	FUSE (T4.0AL/250V)	
253	A-1182-279-A	MAIN BOARD, COMPLETE		△J01	1-820-651-11	INLET, AC 2P (∞ AC IN)	
254	1-500-824-11	FERRITE CORE		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
256	3-704-515-51	SCREW (BV/RING)		#4	7-685-885-09	SCREW +BVTT 4X16 (S)	
257	4-947-010-01	SCREW, FEEDER FIXED		#5	7-685-246-19	SCREW +KTP 3X8 TYPE2 NON-SLIT	
△F01	1-532-504-33	FUSE (T4.0AL/250V)					

7-7. HEAT SINK BLOCK



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	3-905-609-13	SCREW (TRANSISTOR)		Q1708	8-729-051-93	TRANSISTOR	2SB1647
302	A-1182-280-A	BIAS BOARD, COMPLETE		Q1721	8-729-026-08	TRANSISTOR	2SC4495
Q1507	8-729-051-92	TRANSISTOR	2SD2560	Q1757	8-729-051-92	TRANSISTOR	2SD2560
Q1508	8-729-051-93	TRANSISTOR	2SB1647	Q1758	8-729-051-93	TRANSISTOR	2SB1647
Q1521	8-729-026-08	TRANSISTOR	2SC4495	Q1771	8-729-026-08	TRANSISTOR	2SC4495
Q1557	8-729-051-92	TRANSISTOR	2SD2560	Q1807	8-729-051-92	TRANSISTOR	2SD2560
Q1558	8-729-051-93	TRANSISTOR	2SB1647	Q1808	8-729-051-93	TRANSISTOR	2SB1647
Q1571	8-729-026-08	TRANSISTOR	2SC4495	Q1821	8-729-026-08	TRANSISTOR	2SC4495
Q1607	8-729-051-92	TRANSISTOR	2SD2560	Q1857	8-729-051-92	TRANSISTOR	2SD2560
Q1608	8-729-051-93	TRANSISTOR	2SB1647	Q1858	8-729-051-93	TRANSISTOR	2SB1647
Q1621	8-729-026-08	TRANSISTOR	2SC4495	Q1871	8-729-026-08	TRANSISTOR	2SC4495
Q1707	8-729-051-92	TRANSISTOR	2SD2560	#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 8 ELECTRICAL PARTS LIST

A CLASS AMP

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA... : μ A... uPA... : μ PA...
uPB... : μ PB... uPC... : μ PC...
uPD... : μ PD...
- CAPACITORS
uF: μ F
- COILS
uH: μ H

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-1182-299-A	A CLASS AMP BOARD, COMPLETE *****					
		< CAPACITOR >					
C1501	1-112-099-11	ELECT	4.7uF 20% 50V	C1751	1-112-099-11	ELECT	4.7uF 20% 50V
C1502	1-128-809-11	CERAMIC	100PF 5% 50V	C1752	1-128-809-11	CERAMIC	100PF 5% 50V
C1503	1-137-503-11	FILM	100PF 5% 100V	C1753	1-137-503-11	FILM	100PF 5% 100V
C1504	1-136-357-11	FILM	680PF 5% 100V	C1754	1-136-357-11	FILM	680PF 5% 100V
C1505	1-112-090-11	ELECT	100uF 20% 25V	C1755	1-112-090-11	ELECT	100uF 20% 25V
C1507	1-107-587-11	CERAMIC	7PF 0.5PF 500V	C1757	1-107-587-11	CERAMIC	7PF 0.5PF 500V
C1508	1-112-421-11	ELECT	330uF 20% 25V	C1758	1-112-421-11	ELECT	330uF 20% 25V
C1510	1-112-416-11	ELECT	220uF 20% 16V	C1760	1-112-416-11	ELECT	220uF 20% 16V
C1511	1-107-585-11	CERAMIC	5PF 0.25PF 500V	C1761	1-107-585-11	CERAMIC	5PF 0.25PF 500V
C1515	1-107-585-11	CERAMIC	5PF 0.25PF 500V	C1765	1-107-585-11	CERAMIC	5PF 0.25PF 500V
C1551	1-112-099-11	ELECT	4.7uF 20% 50V	C1801	1-112-099-11	ELECT	4.7uF 20% 50V
C1552	1-128-809-11	CERAMIC	100PF 5% 50V	C1802	1-128-809-11	CERAMIC	100PF 5% 50V
C1553	1-137-503-11	FILM	100PF 5% 100V	C1803	1-137-503-11	FILM	100PF 5% 100V
C1554	1-136-357-11	FILM	680PF 5% 100V	C1804	1-136-357-11	FILM	680PF 5% 100V
C1555	1-112-090-11	ELECT	100uF 20% 25V	C1805	1-112-090-11	ELECT	100uF 20% 25V
C1557	1-107-587-11	CERAMIC	7PF 0.5PF 500V	C1807	1-107-587-11	CERAMIC	7PF 0.5PF 500V
C1558	1-112-421-11	ELECT	330uF 20% 25V	C1808	1-112-421-11	ELECT	330uF 20% 25V
C1560	1-112-416-11	ELECT	220uF 20% 16V	C1810	1-112-416-11	ELECT	220uF 20% 16V
C1561	1-107-585-11	CERAMIC	5PF 0.25PF 500V	C1811	1-107-585-11	CERAMIC	5PF 0.25PF 500V
C1565	1-107-585-11	CERAMIC	5PF 0.25PF 500V	C1815	1-107-585-11	CERAMIC	5PF 0.25PF 500V
C1601	1-112-099-11	ELECT	4.7uF 20% 50V	C1851	1-112-099-11	ELECT	4.7uF 20% 50V
C1602	1-128-809-11	CERAMIC	100PF 5% 50V	C1852	1-128-809-11	CERAMIC	100PF 5% 50V
C1603	1-137-503-11	FILM	100PF 5% 100V	C1853	1-137-503-11	FILM	100PF 5% 100V
C1604	1-136-357-11	FILM	680PF 5% 100V	C1854	1-136-357-11	FILM	680PF 5% 100V
C1605	1-112-090-11	ELECT	100uF 20% 25V	C1855	1-112-090-11	ELECT	100uF 20% 25V
C1607	1-107-587-11	CERAMIC	7PF 0.5PF 500V	C1857	1-107-587-11	CERAMIC	7PF 0.5PF 500V
C1608	1-112-421-11	ELECT	330uF 20% 25V	C1858	1-112-421-11	ELECT	330uF 20% 25V
C1610	1-112-416-11	ELECT	220uF 20% 16V	C1860	1-112-416-11	ELECT	220uF 20% 16V
C1611	1-107-585-11	CERAMIC	5PF 0.25PF 500V	C1861	1-107-585-11	CERAMIC	5PF 0.25PF 500V
C1615	1-107-585-11	CERAMIC	5PF 0.25PF 500V	C1865	1-107-585-11	CERAMIC	5PF 0.25PF 500V
C1701	1-112-099-11	ELECT	4.7uF 20% 50V	C1901	1-112-109-11	ELECT	22uF 20% 100V
C1702	1-128-809-11	CERAMIC	100PF 5% 50V	C1902	1-112-109-11	ELECT	22uF 20% 100V
C1703	1-137-503-11	FILM	100PF 5% 100V	C1911	1-127-888-11	CERAMIC	0.1uF 10% 50V
C1704	1-136-357-11	FILM	680PF 5% 100V	C1912	1-127-888-11	CERAMIC	0.1uF 10% 50V
C1705	1-112-090-11	ELECT	100uF 20% 25V			< CONNECTOR >	
C1707	1-107-587-11	CERAMIC	7PF 0.5PF 500V	CNP1901	1-784-925-11	PIN, CONNECTOR 10P	
C1708	1-112-421-11	ELECT	330uF 20% 25V	CNP1902	1-779-977-11	PIN, CONNECTOR 6P	
C1710	1-112-416-11	ELECT	220uF 20% 16V	CNS1501	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P	
C1711	1-107-585-11	CERAMIC	5PF 0.25PF 500V	CNS1502	1-784-041-41	CONNECTOR, BOARD TO BOARD 9P	
C1715	1-107-585-11	CERAMIC	5PF 0.25PF 500V	CNS1903	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P	
				CNS1904	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P	

A CLASS AMP

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D1501	8-719-109-93	DIODE RD6.2ESB2	
D1551	8-719-109-93	DIODE RD6.2ESB2	
D1601	8-719-109-93	DIODE RD6.2ESB2	
D1701	8-719-109-93	DIODE RD6.2ESB2	
D1751	8-719-109-93	DIODE RD6.2ESB2	
D1801	8-719-109-93	DIODE RD6.2ESB2	
D1851	8-719-109-93	DIODE RD6.2ESB2	
D1901	8-719-991-33	DIODE 1SS133T-77	
D1902	8-719-991-33	DIODE 1SS133T-77	
D1903	8-719-991-33	DIODE 1SS133T-77	
D1907	8-719-991-33	DIODE 1SS133T-77	
		< IC >	
IC1902	8-759-167-88	IC NJM4565D	
IC1904	8-759-239-14	IC TA78L05S	
		< TRANSISTOR >	
Q1501	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1502	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1503	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1504	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1505	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1551	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1552	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1553	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1554	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1555	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1601	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1602	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1603	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1604	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1605	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1701	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1702	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1703	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1704	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1705	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1751	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1752	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1753	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1754	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1755	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1801	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1802	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1803	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1804	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1805	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1851	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1852	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1853	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1854	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1855	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1901	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1902	8-729-140-96	TRANSISTOR 2SD774-34	
Q1903	8-729-140-96	TRANSISTOR 2SD774-34	
Q1910	8-729-029-94	TRANSISTOR DTC143TSA	

Ref. No.	Part No.	Description	Remark
Q1911	8-729-029-86	TRANSISTOR DTC124ESA	
Q1912	8-729-029-86	TRANSISTOR DTC124ESA	
Q1913	8-729-029-86	TRANSISTOR DTC124ESA	
		< RESISTOR >	
R1501	1-259-428-61	CARBON 1K 5%	1/6W
R1502	1-259-476-61	CARBON 100K 5%	1/6W
△ R1503	1-249-409-11	CARBON 220 5%	1/4W F
△ R1504	1-249-409-11	CARBON 220 5%	1/4W F
R1505	1-259-410-61	CARBON 180 5%	1/6W
R1506	1-259-440-61	CARBON 3.3K 5%	1/6W
R1507	1-259-436-61	CARBON 2.2K 5%	1/6W
R1509	1-260-116-11	CARBON 27K 5%	1/2W
△ R1511	1-249-405-11	CARBON 100 5%	1/4W F
R1512	1-247-764-11	CARBON 10K 5%	1/2W
R1513	1-247-759-11	CARBON 3.9K 5%	1/2W
R1514	1-249-496-11	CARBON 100K 5%	1/2W
R1549	1-259-476-61	CARBON 100K 5%	1/6W
R1551	1-259-428-61	CARBON 1K 5%	1/6W
R1552	1-259-476-61	CARBON 100K 5%	1/6W
△ R1553	1-249-409-11	CARBON 220 5%	1/4W F
△ R1554	1-249-409-11	CARBON 220 5%	1/4W F
R1555	1-259-410-61	CARBON 180 5%	1/6W
R1556	1-259-440-61	CARBON 3.3K 5%	1/6W
R1557	1-259-436-61	CARBON 2.2K 5%	1/6W
R1559	1-260-116-11	CARBON 27K 5%	1/2W
△ R1561	1-249-405-11	CARBON 100 5%	1/4W F
R1562	1-247-764-11	CARBON 10K 5%	1/2W
R1563	1-247-759-11	CARBON 3.9K 5%	1/2W
R1564	1-249-496-11	CARBON 100K 5%	1/2W
R1601	1-259-428-61	CARBON 1K 5%	1/6W
R1602	1-259-476-61	CARBON 100K 5%	1/6W
△ R1603	1-249-409-11	CARBON 220 5%	1/4W F
△ R1604	1-249-409-11	CARBON 220 5%	1/4W F
R1605	1-259-410-61	CARBON 180 5%	1/6W
R1606	1-259-440-61	CARBON 3.3K 5%	1/6W
R1607	1-259-436-61	CARBON 2.2K 5%	1/6W
R1609	1-260-116-11	CARBON 27K 5%	1/2W
△ R1611	1-249-405-11	CARBON 100 5%	1/4W F
R1612	1-247-764-11	CARBON 10K 5%	1/2W
R1613	1-247-759-11	CARBON 3.9K 5%	1/2W
R1614	1-249-496-11	CARBON 100K 5%	1/2W
R1701	1-259-428-61	CARBON 1K 5%	1/6W
R1702	1-259-476-61	CARBON 100K 5%	1/6W
△ R1703	1-249-409-11	CARBON 220 5%	1/4W F
△ R1704	1-249-409-11	CARBON 220 5%	1/4W F
R1705	1-259-410-61	CARBON 180 5%	1/6W
R1706	1-259-440-61	CARBON 3.3K 5%	1/6W
R1707	1-259-436-61	CARBON 2.2K 5%	1/6W
R1709	1-260-116-11	CARBON 27K 5%	1/2W
△ R1711	1-249-405-11	CARBON 100 5%	1/4W F
R1712	1-247-764-11	CARBON 10K 5%	1/2W
R1713	1-247-759-11	CARBON 3.9K 5%	1/2W
R1714	1-249-496-11	CARBON 100K 5%	1/2W
R1751	1-259-428-61	CARBON 1K 5%	1/6W
R1752	1-259-476-61	CARBON 100K 5%	1/6W
△ R1753	1-249-409-11	CARBON 220 5%	1/4W F

STR-DA1200ES

AC ANALOG

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< RELAY >					
△ RY01	1-755-266-11	RELAY, AC POWER		C552	1-126-961-11	ELECT 2.2uF 20%	50V
		< TRANSFORMER >		C583	1-163-125-00	CERAMIC CHIP 220PF 5%	50V
△ T02	1-435-163-21	TRANSFORMER, POWER		C585	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	50V
*****				C586	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	50V
	A-1182-339-A	ANALOG BOARD, COMPLETE		C587	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
		*****		C588	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
		< CAPACITOR >		C597	1-112-089-11	ELECT 47uF 20%	25V
C411	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	C598	1-112-089-11	ELECT 47uF 20%	25V
C412	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	C599	1-112-089-11	ELECT 47uF 20%	25V
C413	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	C616	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C416	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	C617	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C417	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	C618	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C418	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	C619	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C419	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	C622	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C420	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	C623	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C421	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	C624	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C431	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C625	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C432	1-163-125-00	CERAMIC CHIP 220PF 5%	50V	C626	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C433	1-126-961-11	ELECT 2.2uF 20%	50V	C627	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C434	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C631	1-163-033-00	CERAMIC CHIP 0.022uF	50V
C435	1-126-935-11	ELECT 470uF 20%	16V	C632	1-163-033-00	CERAMIC CHIP 0.022uF	50V
C436	1-125-896-91	MYLAR 0.0091uF 5%	50V	C633	1-126-947-11	ELECT 47uF 20%	35V
C437	1-136-159-00	MYLAR 0.033uF 5%	50V	C634	1-126-947-11	ELECT 47uF 20%	35V
C438	1-126-961-11	ELECT 2.2uF 20%	50V	C645	1-126-947-11	ELECT 47uF 20%	35V
C451	1-126-965-11	ELECT 22uF 20%	50V	C646	1-126-947-11	ELECT 47uF 20%	35V
C452	1-126-961-11	ELECT 2.2uF 20%	50V	C647	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C483	1-163-125-00	CERAMIC CHIP 220PF 5%	50V	C648	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C485	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	50V	C662	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C486	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	50V	C663	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C487	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C692	1-112-093-11	ELECT 2200uF 20%	25V
C488	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C693	1-112-093-11	ELECT 2200uF 20%	25V
C497	1-112-089-11	ELECT 47uF 20%	25V	C694	1-126-948-11	ELECT 100uF 20%	35V
C498	1-112-089-11	ELECT 47uF 20%	25V			< CONNECTOR >	
C499	1-112-089-11	ELECT 47uF 20%	25V	CN601	1-794-006-11	CONNECTOR 20P	
C511	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	CN602	1-784-922-11	PIN, CONNECTOR 5P	
C512	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	CN603	1-784-923-11	PIN, CONNECTOR 7P	
C513	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	CN606	1-784-927-11	PIN, CONNECTOR 12P	
C516	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	CN608	1-779-978-11	PIN, CONNECTOR 3P	
C517	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	CNP401	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
C518	1-163-139-00	CERAMIC CHIP 820PF 5%	50V			< IC >	
C519	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	IC301	8-759-710-97	IC NJM4565M-D	
C520	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	IC401	6-709-810-01	IC TC9274CNG-015	
C521	1-163-139-00	CERAMIC CHIP 820PF 5%	50V	IC501	6-709-810-01	IC TC9274CNG-015	
C531	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	IC611	8-759-710-97	IC NJM4565M-D	
C532	1-163-125-00	CERAMIC CHIP 220PF 5%	50V	IC613	8-759-710-97	IC NJM4565M-D	
C533	1-126-961-11	ELECT 2.2uF 20%	50V	IC616	8-759-710-97	IC NJM4565M-D	
C534	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	IC617	8-759-710-97	IC NJM4565M-D	
C535	1-126-935-11	ELECT 470uF 20%	16V	IC619	8-759-710-97	IC NJM4565M-D	
C536	1-125-896-91	MYLAR 0.0091uF 5%	50V	IC621	8-759-710-97	IC NJM4565M-D	
C537	1-136-159-00	MYLAR 0.033uF 5%	50V	IC644	8-759-710-97	IC NJM4565M-D	
C538	1-126-961-11	ELECT 2.2uF 20%	50V			< JACK >	
C551	1-126-965-11	ELECT 22uF 20%	50V	J604	1-815-045-11	JACK, PIN 2P (PHONO IN)	
				J605	1-784-920-11	JACK, PIN 6P	
						(SA-CD/CD/MD/TAPE IN, MD/TAPE OUT)	

ANALOG

BIAS

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
J607	1-784-920-11	JACK, PIN 6P (TV/SAT/DVD AUDIO IN, VIDEO 2 AUDIO OUT)		R526	1-208-518-41	RES-CHIP 22K 2%	1/10W
J608	1-784-920-11	JACK, PIN 6P (VIDEO 1/VIDEO 2 AUDIO IN, VIDEO 1 AUDIO OUT)		R527	1-208-518-41	RES-CHIP 22K 2%	1/10W
		< JUMPER RESISTOR >		R528	1-208-518-41	RES-CHIP 22K 2%	1/10W
JW450	1-216-295-00	SHORT CHIP 0		R531	1-208-445-41	RES-CHIP 2.2K 2%	1/10W
JW536	1-216-295-00	SHORT CHIP 0		R532	1-216-699-11	METAL CHIP 100K 0.5%	1/10W
JW554	1-216-295-00	SHORT CHIP 0		R533	1-216-699-11	METAL CHIP 100K 0.5%	1/10W
JW672	1-216-295-00	SHORT CHIP 0		R534	1-216-633-11	METAL CHIP 180 0.5%	1/10W
JW673	1-216-295-00	SHORT CHIP 0		R535	1-216-673-11	METAL CHIP 8.2K 0.5%	1/10W
		< RESISTOR >		R536	1-216-699-11	METAL CHIP 100K 0.5%	1/10W
R411	1-208-437-41	RES-CHIP 1K 2%	1/10W	R537	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R412	1-208-437-41	RES-CHIP 1K 2%	1/10W	R538	1-216-699-11	METAL CHIP 100K 0.5%	1/10W
R413	1-208-437-41	RES-CHIP 1K 2%	1/10W	R539	1-208-774-11	METAL CHIP 470 0.5%	1/10W
R416	1-208-437-41	RES-CHIP 1K 2%	1/10W	R551	1-208-449-41	RES-CHIP 3.3K 2%	1/10W
R417	1-208-437-41	RES-CHIP 1K 2%	1/10W	R552	1-208-437-41	RES-CHIP 1K 2%	1/10W
R418	1-208-437-41	RES-CHIP 1K 2%	1/10W	R553	1-208-526-41	RES-CHIP 47K 2%	1/10W
R419	1-208-437-41	RES-CHIP 1K 2%	1/10W	R554	1-208-449-41	RES-CHIP 3.3K 2%	1/10W
R420	1-208-437-41	RES-CHIP 1K 2%	1/10W	R585	1-216-013-00	RES-CHIP 33 5%	1/10W
R421	1-208-437-41	RES-CHIP 1K 2%	1/10W	R586	1-216-013-00	RES-CHIP 33 5%	1/10W
R422	1-208-518-41	RES-CHIP 22K 2%	1/10W	R587	1-216-025-11	RES-CHIP 100 5%	1/10W
R423	1-208-518-41	RES-CHIP 22K 2%	1/10W	R588	1-216-025-11	RES-CHIP 100 5%	1/10W
R425	1-208-518-41	RES-CHIP 22K 2%	1/10W	R589	1-216-025-11	RES-CHIP 100 5%	1/10W
R426	1-208-518-41	RES-CHIP 22K 2%	1/10W	R634	1-216-635-11	METAL CHIP 220 0.5%	1/10W
R427	1-208-518-41	RES-CHIP 22K 2%	1/10W	R635	1-216-635-11	METAL CHIP 220 0.5%	1/10W
R428	1-208-518-41	RES-CHIP 22K 2%	1/10W	*****			
R431	1-208-445-41	RES-CHIP 2.2K 2%	1/10W	A-1182-280-A BIAS BOARD, COMPLETE			
R432	1-216-699-11	METAL CHIP 100K 0.5%	1/10W	*****			
R433	1-216-699-11	METAL CHIP 100K 0.5%	1/10W	< CAPACITOR >			
R434	1-216-633-11	METAL CHIP 180 0.5%	1/10W	C1521	1-112-089-11	ELECT 47uF 20%	25V
R435	1-216-673-11	METAL CHIP 8.2K 0.5%	1/10W	C1522	1-128-813-11	CERAMIC 220PF 5%	50V
R436	1-216-699-11	METAL CHIP 100K 0.5%	1/10W	C1523	1-136-153-00	MYLAR 0.01uF 5%	50V
R437	1-216-627-11	METAL CHIP 100 0.5%	1/10W	C1524	1-126-964-11	ELECT 10uF 20%	50V
R438	1-216-699-11	METAL CHIP 100K 0.5%	1/10W	C1571	1-112-089-11	ELECT 47uF 20%	25V
R439	1-208-774-11	METAL CHIP 470 0.5%	1/10W	C1572	1-128-813-11	CERAMIC 220PF 5%	50V
R451	1-208-449-41	RES-CHIP 3.3K 2%	1/10W	C1573	1-136-153-00	MYLAR 0.01uF 5%	50V
R452	1-208-437-41	RES-CHIP 1K 2%	1/10W	C1574	1-126-964-11	ELECT 10uF 20%	50V
R453	1-208-526-41	RES-CHIP 47K 2%	1/10W	C1621	1-112-089-11	ELECT 47uF 20%	25V
R454	1-208-449-41	RES-CHIP 3.3K 2%	1/10W	C1622	1-128-813-11	CERAMIC 220PF 5%	50V
R485	1-216-013-00	RES-CHIP 33 5%	1/10W	C1623	1-136-153-00	MYLAR 0.01uF 5%	50V
R486	1-216-013-00	RES-CHIP 33 5%	1/10W	C1624	1-126-964-11	ELECT 10uF 20%	50V
R487	1-216-025-11	RES-CHIP 100 5%	1/10W	C1721	1-112-089-11	ELECT 47uF 20%	25V
R488	1-216-025-11	RES-CHIP 100 5%	1/10W	C1722	1-128-813-11	CERAMIC 220PF 5%	50V
R489	1-216-025-11	RES-CHIP 100 5%	1/10W	C1723	1-136-153-00	MYLAR 0.01uF 5%	50V
R511	1-208-437-41	RES-CHIP 1K 2%	1/10W	C1724	1-126-964-11	ELECT 10uF 20%	50V
R512	1-208-437-41	RES-CHIP 1K 2%	1/10W	C1771	1-112-089-11	ELECT 47uF 20%	25V
R513	1-208-437-41	RES-CHIP 1K 2%	1/10W	C1772	1-128-813-11	CERAMIC 220PF 5%	50V
R516	1-208-437-41	RES-CHIP 1K 2%	1/10W	C1773	1-136-153-00	MYLAR 0.01uF 5%	50V
R517	1-208-437-41	RES-CHIP 1K 2%	1/10W	C1774	1-126-964-11	ELECT 10uF 20%	50V
R518	1-208-437-41	RES-CHIP 1K 2%	1/10W	C1821	1-112-089-11	ELECT 47uF 20%	25V
R519	1-208-437-41	RES-CHIP 1K 2%	1/10W	C1822	1-128-813-11	CERAMIC 220PF 5%	50V
R520	1-208-437-41	RES-CHIP 1K 2%	1/10W	C1823	1-136-153-00	MYLAR 0.01uF 5%	50V
R521	1-208-437-41	RES-CHIP 1K 2%	1/10W	C1824	1-126-964-11	ELECT 10uF 20%	50V
R522	1-208-518-41	RES-CHIP 22K 2%	1/10W	C1871	1-112-089-11	ELECT 47uF 20%	25V
R523	1-208-518-41	RES-CHIP 22K 2%	1/10W	C1872	1-128-813-11	CERAMIC 220PF 5%	50V
R525	1-208-518-41	RES-CHIP 22K 2%	1/10W	C1873	1-136-153-00	MYLAR 0.01uF 5%	50V
				C1874	1-126-964-11	ELECT 10uF 20%	50V
				C1905	1-126-965-11	ELECT 22uF 20%	50V
				C1906	1-112-402-11	ELECT 470uF 20%	6.3V

BIAS

Ref. No.	Part No.	Description	Remark
C1907	1-128-805-11	CERAMIC 47PF 5%	50V
C1908	1-128-805-11	CERAMIC 47PF 5%	50V
C1909	1-127-888-11	CERAMIC 0.1uF 10%	50V
C1910	1-135-800-11	CERAMIC 1uF	50V
C1913	1-135-800-11	CERAMIC 1uF	50V
< CONNECTOR >			
CNP1501	1-784-923-11	PIN, CONNECTOR 7P	
CNP1502	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	
CNP1551	1-784-923-11	PIN, CONNECTOR 7P	
CNP1552	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	
CNP1601	1-784-923-11	PIN, CONNECTOR 7P	
CNP1602	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	
CNP1701	1-784-923-11	PIN, CONNECTOR 7P	
CNP1702	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	
CNP1751	1-784-923-11	PIN, CONNECTOR 7P	
CNP1752	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	
CNP1801	1-784-923-11	PIN, CONNECTOR 7P	
CNP1802	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	
CNP1851	1-784-923-11	PIN, CONNECTOR 7P	
CNP1852	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	
< DIODE >			
D1521	8-719-991-33	DIODE 1SS133T-77	
D1522	8-719-991-33	DIODE 1SS133T-77	
D1571	8-719-991-33	DIODE 1SS133T-77	
D1572	8-719-991-33	DIODE 1SS133T-77	
D1621	8-719-991-33	DIODE 1SS133T-77	
D1622	8-719-991-33	DIODE 1SS133T-77	
D1721	8-719-991-33	DIODE 1SS133T-77	
D1722	8-719-991-33	DIODE 1SS133T-77	
D1771	8-719-991-33	DIODE 1SS133T-77	
D1772	8-719-991-33	DIODE 1SS133T-77	
D1821	8-719-991-33	DIODE 1SS133T-77	
D1822	8-719-991-33	DIODE 1SS133T-77	
D1871	8-719-991-33	DIODE 1SS133T-77	
D1872	8-719-991-33	DIODE 1SS133T-77	
D1901	8-719-991-33	DIODE 1SS133T-77	
D1902	8-719-991-33	DIODE 1SS133T-77	
D1903	8-719-991-33	DIODE 1SS133T-77	
D1904	8-719-991-33	DIODE 1SS133T-77	
D1905	8-719-991-33	DIODE 1SS133T-77	
D1906	8-719-109-93	DIODE RD6.2ESB2	
< IC >			
IC1901	8-759-167-88	IC NJM4565D	
IC1903	6-710-072-01	IC LM61CIZ/LFT2	
IC1905	6-710-072-01	IC LM61CIZ/LFT2	
< TRANSISTOR >			
Q1522	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1523	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1524	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1572	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1573	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1574	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1622	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1623	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	

Ref. No.	Part No.	Description	Remark
Q1624	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1722	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1723	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1724	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1772	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1773	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1774	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1822	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1823	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1824	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1872	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1873	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1874	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1904	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q1905	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1906	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1907	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1908	8-729-029-86	TRANSISTOR DTC124ESA	
< RESISTOR >			
R1521	1-259-440-61	CARBON 3.3K 5%	1/6W
R1522	1-259-428-61	CARBON 1K 5%	1/6W
R1524	1-259-468-61	CARBON 47K 5%	1/6W
R1525	1-247-847-91	CARBON 4.7K 5%	1/4W
△R1526	1-240-855-91	CARBON 6.2K 5%	1/4W F
R1527	1-249-420-11	CARBON 1.8K 5%	1/4W
R1528	1-249-431-11	CARBON 15K 5%	1/4W
R1529	1-247-862-11	CARBON 20K 5%	1/4W
R1530	1-247-834-11	CARBON 1.3K 5%	1/4W
R1531	1-249-437-11	CARBON 47K 5%	1/4W
R1532	1-249-431-11	CARBON 15K 5%	1/4W
R1533	1-249-437-11	CARBON 47K 5%	1/4W
R1534	1-247-863-11	CARBON 22K 5%	1/4W
R1535	1-249-439-11	CARBON 68K 5%	1/4W
R1536	1-247-895-00	CARBON 470K 5%	1/4W
R1571	1-259-440-61	CARBON 3.3K 5%	1/6W
R1572	1-259-428-61	CARBON 1K 5%	1/6W
R1574	1-259-468-61	CARBON 47K 5%	1/6W
R1575	1-247-847-91	CARBON 4.7K 5%	1/4W
△R1576	1-240-855-91	CARBON 6.2K 5%	1/4W F
R1577	1-249-420-11	CARBON 1.8K 5%	1/4W
R1578	1-249-431-11	CARBON 15K 5%	1/4W
R1579	1-247-862-11	CARBON 20K 5%	1/4W
R1580	1-247-834-11	CARBON 1.3K 5%	1/4W
R1581	1-249-437-11	CARBON 47K 5%	1/4W
R1582	1-249-431-11	CARBON 15K 5%	1/4W
R1583	1-249-437-11	CARBON 47K 5%	1/4W
R1584	1-247-863-11	CARBON 22K 5%	1/4W
R1585	1-249-439-11	CARBON 68K 5%	1/4W
R1586	1-247-895-00	CARBON 470K 5%	1/4W
R1621	1-259-440-61	CARBON 3.3K 5%	1/6W
R1622	1-259-428-61	CARBON 1K 5%	1/6W
R1624	1-259-468-61	CARBON 47K 5%	1/6W
R1625	1-247-847-91	CARBON 4.7K 5%	1/4W
△R1626	1-240-855-91	CARBON 6.2K 5%	1/4W F
R1627	1-249-420-11	CARBON 1.8K 5%	1/4W

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C2158	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C2240	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2159	1-137-457-11	MYLAR	0.0027uF 5% 100V	C2241	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2160	1-137-429-11	MYLAR	270PF 5% 50V	C2242	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2161	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C2243	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2162	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C2244	1-112-084-11	ELECT	470uF 20% 16V
C2163	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C2245	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C2164	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C2247	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2165	1-115-416-11	CERAMIC CHIP	0.001uF 5% 25V	C2248	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2166	1-137-457-11	MYLAR	0.0027uF 5% 100V	C2249	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2167	1-137-429-11	MYLAR	270PF 5% 50V	C2250	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2168	1-126-933-11	ELECT	100uF 20% 16V	C2251	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2169	1-112-083-11	ELECT	100uF 20% 16V	C2252	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2170	1-112-100-11	ELECT	10uF 20% 50V	C2254	1-126-935-11	ELECT	470uF 20% 16V
C2171	1-112-083-11	ELECT	100uF 20% 16V	C2255	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2172	1-112-100-11	ELECT	10uF 20% 50V	C2257	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C2173	1-115-416-11	CERAMIC CHIP	0.001uF 5% 25V	C2258	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2174	1-137-457-11	MYLAR	0.0027uF 5% 100V	C2259	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2175	1-137-429-11	MYLAR	270PF 5% 50V	C2260	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2181	1-115-416-11	CERAMIC CHIP	0.001uF 5% 25V	C2264	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2182	1-137-457-11	MYLAR	0.0027uF 5% 100V	C2265	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2183	1-137-429-11	MYLAR	270PF 5% 50V	C2266	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2200	1-112-100-11	ELECT	10uF 20% 50V	C2267	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2202	1-112-100-11	ELECT	10uF 20% 50V	C2268	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2203	1-115-416-11	CERAMIC CHIP	0.001uF 5% 25V	C2269	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C2204	1-137-457-11	MYLAR	0.0027uF 5% 100V	C2270	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2205	1-137-429-11	MYLAR	270PF 5% 50V	C2271	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2206	1-115-416-11	CERAMIC CHIP	0.001uF 5% 25V	C2272	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2207	1-137-429-11	MYLAR	270PF 5% 50V	C2273	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2208	1-137-457-11	MYLAR	0.0027uF 5% 100V	C2274	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2209	1-112-100-11	ELECT	10uF 20% 50V	C2275	1-126-933-11	ELECT	100uF 20% 16V
C2210	1-112-100-11	ELECT	10uF 20% 50V	C2276	1-126-964-11	ELECT	10uF 20% 50V
C2211	1-112-114-11	ELECT	22uF 20% 50V	C2277	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2212	1-115-416-11	CERAMIC CHIP	0.001uF 5% 25V	C2278	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2213	1-137-457-11	MYLAR	0.0027uF 5% 100V	C2279	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2214	1-137-429-11	MYLAR	270PF 5% 50V	C2280	1-126-960-11	ELECT	1uF 20% 50V
C2215	1-112-114-11	ELECT	22uF 20% 50V	C2283	1-117-720-11	CERAMIC CHIP	4.7uF 10V
C2216	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C2284	1-117-720-11	CERAMIC CHIP	4.7uF 10V
C2218	1-126-964-11	ELECT	10uF 20% 50V	C2285	1-117-720-11	CERAMIC CHIP	4.7uF 10V
C2219	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C2286	1-117-720-11	CERAMIC CHIP	4.7uF 10V
C2220	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C2287	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C2221	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C2291	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C2222	1-100-153-11	CERAMIC CHIP	220PF 5% 100V	C2294	1-165-908-11	CERAMIC CHIP	1uF 10% 10V
C2223	1-126-947-11	ELECT	47uF 20% 35V			< CONNECTOR >	
C2225	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	CN2002	1-784-776-11	CONNECTOR, FFC 15P	
C2226	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	CN2004	1-785-910-21	CONNECTOR, BOARD TO BOARD 50P	
C2227	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	CN2006	1-784-923-11	PIN, CONNECTOR 7P	
C2228	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	CN2008	1-784-930-11	PIN, CONNECTOR 15P	
C2229	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	CN2009	1-820-353-11	PIN, CONNECTOR (PC BOARD) 9P	
C2230	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	CN2011	1-794-004-11	CONNECTOR 17P	
C2231	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	CN2012	1-691-768-11	PLUG (MICRO CONNECTOR) 6P	
C2232	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	CN2014	1-794-006-11	CONNECTOR 20P	
C2233	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	CN2015	1-784-922-11	PIN, CONNECTOR 5P	
C2234	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	CN2016	1-794-005-11	CONNECTOR 19P	
C2235	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	CN2017	1-779-977-11	PIN, CONNECTOR 6P	
C2238	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	CN2018	1-784-922-11	PIN, CONNECTOR 5P	
C2239	1-112-080-11	ELECT	470uF 20% 10V	CN2021	1-691-770-11	PLUG (MICRO CONNECTOR) 8P	

DIGITAL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< DIODE >					
D2001	8-719-053-18	DIODE 1SR154-400TE-25		IC2042	8-759-710-97	IC NJM4565M-D	
D2002	8-719-988-61	DIODE 1SS355TE-17		IC2043	8-759-710-97	IC NJM4565M-D	
D2003	8-719-988-61	DIODE 1SS355TE-17		IC2044	8-759-268-29	IC SN74HC595ANS	
D2008	8-719-066-98	DIODE RB051L-40TE25		IC2046	8-759-238-47	IC TC74HCT7007AF (EL)	
		< FERRITE BEAD/JUMPER RESISTOR >					
FB2001	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2050	6-705-468-01	IC BA33BC0FP-E2	
FB2003	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2051	6-702-913-01	IC S-80929CNMC-G8ZT2G	
FB2004	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2052	8-759-394-36	IC BA09T	
FB2005	1-469-139-21	FERRITE, EMI (SMD) (2012)		IC2053	6-705-468-01	IC BA33BC0FP-E2	
FB2006	1-469-139-21	FERRITE, EMI (SMD) (2012)		IC2054	6-806-561-01	IC MB91F355APMT-A1ES-X103	
FB2008	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC2055	6-704-005-01	IC BR24L32F-WE2	
FB2009	1-216-295-00	SHORT CHIP 0		IC2056	8-759-277-63	IC TC7W14FU (TE12R)	
FB2010	1-216-295-00	SHORT CHIP 0		IC2057	8-759-058-62	IC TC7S08FU (TE85R)	
FB2017	1-469-139-21	FERRITE, EMI (SMD) (2012)				< JACK >	
FB2019	1-469-152-11	FERRITE, EMI (SMD) (2012)		J2001	1-818-314-11	PIN JACK 2P (DIGITAL COAXIAL DVD/SA-CD/CD IN)	
						< COIL >	
FB2020	1-469-152-11	FERRITE, EMI (SMD) (2012)		L2001	1-410-737-31	INDUCTOR 0.47uH	
FB2022	1-469-152-11	FERRITE, EMI (SMD) (2012)		L2002	1-410-737-31	INDUCTOR 0.47uH	
FB2023	1-469-152-11	FERRITE, EMI (SMD) (2012)				< TRANSISTOR >	
FB2024	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q2002	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FB2028	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q2004	1-801-806-11	TRANSISTOR DTC144EKA-T146	
				Q2005	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
FB2029	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q2006	8-729-027-43	TRANSISTOR DTC114EKA-T146	
FB2032	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q2007	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
FB2033	1-469-152-11	FERRITE, EMI (SMD) (2012)				< RESISTOR >	
FB2034	1-469-152-11	FERRITE, EMI (SMD) (2012)		R2002	1-208-755-11	METAL CHIP 75 0.5% 1/10W	
FB2036	1-469-152-11	FERRITE, EMI (SMD) (2012)		R2003	1-216-809-11	METAL CHIP 100 5% 1/10W	
				R2004	1-216-809-11	METAL CHIP 100 5% 1/10W	
FB2037	1-469-152-11	FERRITE, EMI (SMD) (2012)		R2005	1-216-809-11	METAL CHIP 100 5% 1/10W	
FB2039	1-216-295-00	SHORT CHIP 0		R2006	1-216-833-11	METAL CHIP 10K 5% 1/10W	
FB2040	1-216-295-00	SHORT CHIP 0					
FB2041	1-469-152-11	FERRITE, EMI (SMD) (2012)		R2007	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		< IC >		R2008	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2002	6-600-466-01	IC TORX147L (SONY) (DIGITAL OPTICAL VIDEO 1 IN)		R2010	1-208-774-11	METAL CHIP 470 0.5% 1/10W	
IC2003	6-600-466-01	IC TORX147L (SONY) (DIGITAL OPTICAL TV/SAT IN)		R2012	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2004	6-600-461-11	IC TOTX147L (R) (DIGITAL OPTICAL MD/TAPE OUT)		R2013	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2005	6-600-466-01	IC TORX147L (SONY) (DIGITAL OPTICAL MD/TAPE IN)					
IC2006	6-708-025-01	IC LC89057W-VF4A-E		R2014	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2007	8-759-233-64	IC TC74HCU04AF		R2016	1-208-550-41	RES-CHIP 470K 2% 1/10W	
IC2008	8-759-058-62	IC TC7S08FU (TE85R)		R2017	1-208-550-41	RES-CHIP 470K 2% 1/10W	
IC2009	8-759-236-19	IC TC74HC151AF (EL)		R2018	1-216-805-11	METAL CHIP 47 5% 1/10W	
IC2010	8-759-710-97	IC NJM4565M-D		R2020	1-208-526-41	RES-CHIP 47K 2% 1/10W	
IC2012	8-759-268-29	IC SN74HC595ANS					
				R2021	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2016	6-706-478-01	IC TC7SET08FU (T5RSOJF)		R2022	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2017	8-759-524-48	IC TC74VHC393FT (EL)		R2023	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2018	8-759-524-10	IC TC74VHC157FT (EL)		R2024	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2019	8-759-524-10	IC TC74VHC157FT (EL)		R2025	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2022	8-759-447-77	IC TC7WH74FU (TE12R)					
				R2026	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2024	6-701-834-01	IC PCM1802DBR		R2027	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2034	6-708-785-01	IC PCM1609APT		R2028	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2035	8-759-523-81	IC TC74VHC08FT (EL)		R2029	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2036	8-759-447-77	IC TC7WH74FU (TE12R)		R2030	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2037	8-759-710-97	IC NJM4565M-D					
				R2031	1-216-841-11	METAL CHIP 47K 5% 1/10W	
IC2040	8-759-710-97	IC NJM4565M-D		R2032	1-216-841-11	METAL CHIP 47K 5% 1/10W	
				R2033	1-216-857-11	METAL CHIP 1M 5% 1/10W	
				R2034	1-216-809-11	METAL CHIP 100 5% 1/10W	

DIGITAL

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R2035	1-216-809-11	METAL CHIP	100	5%	1/10W	R2122	1-216-811-11	METAL CHIP	150	5%	1/10W
R2036	1-216-813-11	METAL CHIP	220	5%	1/10W	R2123	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2037	1-216-809-11	METAL CHIP	100	5%	1/10W	R2124	1-216-809-11	METAL CHIP	100	5%	1/10W
R2038	1-216-809-11	METAL CHIP	100	5%	1/10W	R2125	1-216-809-11	METAL CHIP	100	5%	1/10W
R2039	1-216-809-11	METAL CHIP	100	5%	1/10W	R2185	1-216-809-11	METAL CHIP	100	5%	1/10W
R2043	1-216-809-11	METAL CHIP	100	5%	1/10W	R2186	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2044	1-216-809-11	METAL CHIP	100	5%	1/10W	R2187	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2045	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2188	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2046	1-216-809-11	METAL CHIP	100	5%	1/10W	R2190	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2047	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2192	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2048	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2194	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2050	1-216-809-11	METAL CHIP	100	5%	1/10W	R2195	1-216-809-11	METAL CHIP	100	5%	1/10W
R2051	1-216-809-11	METAL CHIP	100	5%	1/10W	R2196	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2053	1-216-635-11	METAL CHIP	220	0.5%	1/10W	R2198	1-216-805-11	METAL CHIP	47	5%	1/10W
R2054	1-216-809-11	METAL CHIP	100	5%	1/10W	R2199	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2055	1-216-813-11	METAL CHIP	220	5%	1/10W	R2200	1-216-809-11	METAL CHIP	100	5%	1/10W
R2057	1-216-687-11	METAL CHIP	33K	0.5%	1/10W	R2201	1-216-809-11	METAL CHIP	100	5%	1/10W
R2058	1-216-603-11	METAL CHIP	10	0.5%	1/10W	R2202	1-216-809-11	METAL CHIP	100	5%	1/10W
R2059	1-216-809-11	METAL CHIP	100	5%	1/10W	R2203	1-216-809-11	METAL CHIP	100	5%	1/10W
R2061	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2204	1-216-809-11	METAL CHIP	100	5%	1/10W
R2062	1-216-809-11	METAL CHIP	100	5%	1/10W	R2205	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2064	1-216-817-11	METAL CHIP	470	5%	1/10W	R2206	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2065	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2207	1-216-809-11	METAL CHIP	100	5%	1/10W
R2068	1-216-813-11	METAL CHIP	220	5%	1/10W	R2208	1-216-809-11	METAL CHIP	100	5%	1/10W
R2069	1-216-813-11	METAL CHIP	220	5%	1/10W	R2209	1-216-809-11	METAL CHIP	100	5%	1/10W
R2074	1-216-809-11	METAL CHIP	100	5%	1/10W	R2211	1-216-809-11	METAL CHIP	100	5%	1/10W
R2075	1-216-805-11	METAL CHIP	47	5%	1/10W	R2212	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2077	1-216-805-11	METAL CHIP	47	5%	1/10W	R2213	1-216-809-11	METAL CHIP	100	5%	1/10W
R2078	1-216-805-11	METAL CHIP	47	5%	1/10W	R2214	1-216-809-11	METAL CHIP	100	5%	1/10W
R2079	1-216-809-11	METAL CHIP	100	5%	1/10W	R2215	1-216-809-11	METAL CHIP	100	5%	1/10W
R2080	1-216-805-11	METAL CHIP	47	5%	1/10W	R2216	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2081	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2217	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2082	1-216-809-11	METAL CHIP	100	5%	1/10W	R2220	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2084	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2223	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2085	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2224	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2086	1-216-809-11	METAL CHIP	100	5%	1/10W	R2225	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2087	1-216-857-11	METAL CHIP	1M	5%	1/10W	R2226	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2090	1-216-811-11	METAL CHIP	150	5%	1/10W	R2227	1-216-809-11	METAL CHIP	100	5%	1/10W
R2094	1-216-809-11	METAL CHIP	100	5%	1/10W	R2231	1-216-809-11	METAL CHIP	100	5%	1/10W
R2096	1-216-809-11	METAL CHIP	100	5%	1/10W	R2233	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2097	1-216-864-11	SHORT CHIP	0			R2241	1-216-864-11	SHORT CHIP	0		
R2098	1-216-864-11	SHORT CHIP	0			R2242	1-216-864-11	SHORT CHIP	0		
R2100	1-216-809-11	METAL CHIP	100	5%	1/10W	R2243	1-216-864-11	SHORT CHIP	0		
R2102	1-216-809-11	METAL CHIP	100	5%	1/10W	R2244	1-216-864-11	SHORT CHIP	0		
R2103	1-216-809-11	METAL CHIP	100	5%	1/10W	R2249	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2104	1-216-809-11	METAL CHIP	100	5%	1/10W	R2250	1-216-864-11	SHORT CHIP	0		
R2105	1-216-809-11	METAL CHIP	100	5%	1/10W	R2251	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2106	1-216-809-11	METAL CHIP	100	5%	1/10W	R2253	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2107	1-216-809-11	METAL CHIP	100	5%	1/10W	R2256	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2108	1-216-805-11	METAL CHIP	47	5%	1/10W	R2257	1-216-809-11	METAL CHIP	100	5%	1/10W
R2109	1-216-809-11	METAL CHIP	100	5%	1/10W	R2258	1-216-809-11	METAL CHIP	100	5%	1/10W
R2111	1-216-809-11	METAL CHIP	100	5%	1/10W	R2259	1-216-809-11	METAL CHIP	100	5%	1/10W
R2112	1-216-809-11	METAL CHIP	100	5%	1/10W	R2260	1-216-809-11	METAL CHIP	100	5%	1/10W
R2116	1-216-809-11	METAL CHIP	100	5%	1/10W	R2261	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2120	1-216-809-11	METAL CHIP	100	5%	1/10W	R2262	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2121	1-216-809-11	METAL CHIP	100	5%	1/10W	R2263	1-216-835-11	METAL CHIP	15K	5%	1/10W
						R2264	1-216-809-11	METAL CHIP	100	5%	1/10W
						R2265	1-216-809-11	METAL CHIP	100	5%	1/10W

STR-DA1200ES

DIGITAL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark	
R2266	1-216-809-11	METAL CHIP	100 5%	1/10W	R2332	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R2267	1-216-809-11	METAL CHIP	100 5%	1/10W	R2333	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2268	1-216-835-11	METAL CHIP	15K 5%	1/10W	R2334	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R2269	1-216-821-11	METAL CHIP	1K 5%	1/10W	R2335	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R2270	1-216-832-11	METAL CHIP	8.2K 5%	1/10W	R2336	1-216-809-11	METAL CHIP 100 5%	1/10W
R2271	1-216-845-11	METAL CHIP	100K 5%	1/10W	R2337	1-216-809-11	METAL CHIP 100 5%	1/10W
R2272	1-216-845-11	METAL CHIP	100K 5%	1/10W	R2338	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2273	1-216-832-11	METAL CHIP	8.2K 5%	1/10W	R2339	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2274	1-216-821-11	METAL CHIP	1K 5%	1/10W	R2342	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2275	1-216-835-11	METAL CHIP	15K 5%	1/10W	R2344	1-216-809-11	METAL CHIP 100 5%	1/10W
R2276	1-216-809-11	METAL CHIP	100 5%	1/10W	R2345	1-216-809-11	METAL CHIP 100 5%	1/10W
R2279	1-216-809-11	METAL CHIP	100 5%	1/10W	R2350	1-216-841-11	METAL CHIP 47K 5%	1/10W
R2280	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2351	1-216-841-11	METAL CHIP 47K 5%	1/10W
R2281	1-216-821-11	METAL CHIP	1K 5%	1/10W	R2352	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2282	1-216-821-11	METAL CHIP	1K 5%	1/10W	R2354	1-216-809-11	METAL CHIP 100 5%	1/10W
R2283	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2355	1-216-809-11	METAL CHIP 100 5%	1/10W
R2287	1-216-809-11	METAL CHIP	100 5%	1/10W	R2356	1-216-809-11	METAL CHIP 100 5%	1/10W
R2288	1-216-809-11	METAL CHIP	100 5%	1/10W	R2357	1-216-809-11	METAL CHIP 100 5%	1/10W
R2289	1-216-809-11	METAL CHIP	100 5%	1/10W	R2358	1-216-809-11	METAL CHIP 100 5%	1/10W
R2290	1-216-809-11	METAL CHIP	100 5%	1/10W	R2359	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2292	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2360	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2294	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2361	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2295	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2362	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2296	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2363	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2297	1-216-809-11	METAL CHIP	100 5%	1/10W	R2364	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2298	1-216-809-11	METAL CHIP	100 5%	1/10W	R2365	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2299	1-216-809-11	METAL CHIP	100 5%	1/10W	R2366	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2300	1-216-809-11	METAL CHIP	100 5%	1/10W	R2367	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2301	1-216-809-11	METAL CHIP	100 5%	1/10W	R2368	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2302	1-216-809-11	METAL CHIP	100 5%	1/10W	R2369	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2303	1-216-809-11	METAL CHIP	100 5%	1/10W	R2370	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2304	1-216-809-11	METAL CHIP	100 5%	1/10W	R2371	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2305	1-216-809-11	METAL CHIP	100 5%	1/10W	R2372	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2306	1-216-809-11	METAL CHIP	100 5%	1/10W	R2373	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2307	1-216-809-11	METAL CHIP	100 5%	1/10W	R2374	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2308	1-216-809-11	METAL CHIP	100 5%	1/10W	R2375	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2309	1-216-809-11	METAL CHIP	100 5%	1/10W	R2376	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2310	1-216-809-11	METAL CHIP	100 5%	1/10W	R2377	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2311	1-216-809-11	METAL CHIP	100 5%	1/10W	R2378	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2312	1-216-809-11	METAL CHIP	100 5%	1/10W	R2379	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2313	1-216-809-11	METAL CHIP	100 5%	1/10W	R2383	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2314	1-216-809-11	METAL CHIP	100 5%	1/10W	R2384	1-216-809-11	METAL CHIP 100 5%	1/10W
R2315	1-216-809-11	METAL CHIP	100 5%	1/10W	R2385	1-216-809-11	METAL CHIP 100 5%	1/10W
R2316	1-216-809-11	METAL CHIP	100 5%	1/10W	R2386	1-216-809-11	METAL CHIP 100 5%	1/10W
R2318	1-216-864-11	SHORT CHIP	0		R2387	1-216-809-11	METAL CHIP 100 5%	1/10W
R2319	1-216-809-11	METAL CHIP	100 5%	1/10W	R2388	1-216-809-11	METAL CHIP 100 5%	1/10W
R2320	1-216-809-11	METAL CHIP	100 5%	1/10W	R2389	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2321	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2390	1-216-815-11	METAL CHIP 330 5%	1/10W
R2322	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2391	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2323	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2392	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2324	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2393	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2325	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R2394	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2326	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2395	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2327	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2396	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2328	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2397	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2329	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R2398	1-216-845-11	METAL CHIP 100K 5%	1/10W
R2330	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2399	1-216-809-11	METAL CHIP 100 5%	1/10W
					R2403	1-216-809-11	METAL CHIP 100 5%	1/10W

STR-DA1200ES

DIGITAL **DISPLAY**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R2404	1-216-809-11	METAL CHIP	100 5% 1/10W	C733	1-107-925-11	ELECT 1uF 20% 100V	
R2405	1-216-809-11	METAL CHIP	100 5% 1/10W	C734	1-104-957-11	ELECT 47uF 20% 25V	
R2406	1-216-809-11	METAL CHIP	100 5% 1/10W	C735	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
R2407	1-216-809-11	METAL CHIP	100 5% 1/10W	C739	1-126-795-11	ELECT 10uF 20% 50V	
R2408	1-216-809-11	METAL CHIP	100 5% 1/10W	C740	1-126-795-11	ELECT 10uF 20% 50V	
R2409	1-216-809-11	METAL CHIP	100 5% 1/10W	C743	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
R2410	1-216-809-11	METAL CHIP	100 5% 1/10W	C744	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
R2412	1-208-755-11	METAL CHIP	75 0.5% 1/10W	C745	1-126-795-11	ELECT 10uF 20% 50V	
R2413	1-208-774-11	METAL CHIP	470 0.5% 1/10W	C746	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
R2414	1-208-550-41	RES-CHIP	470K 2% 1/10W	C747	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
R2415	1-208-526-41	RES-CHIP	47K 2% 1/10W	C749	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
R2416	1-216-809-11	METAL CHIP	100 5% 1/10W	C751	1-165-319-11	CERAMIC CHIP 0.1uF 50V	
R2418	1-216-833-11	METAL CHIP	10K 5% 1/10W	< CONNECTOR >			
R2421	1-216-809-11	METAL CHIP	100 5% 1/10W	CN701	1-794-005-11	CONNECTOR 19P	
R2422	1-216-809-11	METAL CHIP	100 5% 1/10W	CN702	1-794-006-11	CONNECTOR 20P	
R2423	1-216-833-11	METAL CHIP	10K 5% 1/10W	* CN706	1-564-724-11	PIN, CONNECTOR (SMALL TYPE) 8P	
R2424	1-216-833-11	METAL CHIP	10K 5% 1/10W	< DIODE >			
R2426	1-216-864-11	SHORT CHIP	0	D701	8-719-056-11	LED SML72423C-TP15 (ON/STANDBY)	
R2428	1-216-833-11	METAL CHIP	10K 5% 1/10W	D702	8-719-075-59	LED SELS5B23C-TP15 (Digital Cinema Sound)	
R2429	1-216-809-11	METAL CHIP	100 5% 1/10W	D703	6-501-539-01	LED SELK5E20C-DTP15 (MULTI CHANNEL DECODING)	
R2430	1-216-833-11	METAL CHIP	10K 5% 1/10W	D704	8-719-041-97	DIODE MA113- (TX)	
R2431	1-216-833-11	METAL CHIP	10K 5% 1/10W	D705	8-719-041-97	DIODE MA113- (TX)	
R2432	1-216-833-11	METAL CHIP	10K 5% 1/10W	D706	8-719-041-97	DIODE MA113- (TX)	
< VIBRATOR >				D707	8-719-041-97	DIODE MA113- (TX)	
X2001	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)		D708	8-719-978-33	DIODE DTZ-TT11-6.8B	
X2004	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)		D710	8-719-988-61	DIODE 1SS355TE-17	
*****				< FERRITE BEAD >			
A-1182-358-A	DISPLAY BOARD, COMPLETE		*****	FB701	1-469-152-11	FERRITE, EMI (SMD) (2012)	
2-389-320-01	CUSHION			FB702	1-469-152-11	FERRITE, EMI (SMD) (2012)	
< CAPACITOR >				< IC >			
C701	1-104-957-11	ELECT	47uF 20% 25V	IC701	6-600-349-31	IC NJL24H400A	
C704	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	IC702	6-705-468-01	IC BA33BC0FP-E2	
C706	1-104-957-11	ELECT	47uF 20% 25V	IC703	8-759-825-56	IC NJM2173AV (TE2)	
C707	1-165-319-11	CERAMIC CHIP	0.1uF 50V	< JUMPER RESISTOR >			
C708	1-126-795-11	ELECT	10uF 20% 50V	JW753	1-216-296-11	SHORT CHIP 0	
C712	1-165-733-31	ELECT	100uF 20% 25V	< COIL >			
C713	1-107-378-11	MYLAR	0.0039uF 5% 200V	L701	1-421-967-11	INDUCTOR 100uH	
C714	1-165-319-11	CERAMIC CHIP	0.1uF 50V	< FLUORESCENT INDICATOR TUBE >			
C715	1-165-746-31	ELECT	22uF 20% 50V	ND701	1-519-863-11	INDICATOR TUBE, FLUORESCENT	
C716	1-165-319-11	CERAMIC CHIP	0.1uF 50V	< TRANSISTOR >			
C718	1-104-957-11	ELECT	47uF 20% 25V	Q701	8-729-027-43	TRANSISTOR DTC114EKA-T146	
C719	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	Q702	8-729-901-00	TRANSISTOR DTC124EK	
C721	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	Q703	8-729-901-00	TRANSISTOR DTC124EK	
C722	1-126-795-11	ELECT	10uF 20% 50V	Q704	8-729-901-00	TRANSISTOR DTC124EK	
C724	1-104-957-11	ELECT	47uF 20% 25V	Q705	8-729-808-42	TRANSISTOR 2SD1624-T	
C725	1-104-957-11	ELECT	47uF 20% 25V	Q706	8-729-808-42	TRANSISTOR 2SD1624-T	
C726	1-104-957-11	ELECT	47uF 20% 25V	Q708	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
C727	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	Q709	8-729-027-43	TRANSISTOR DTC114EKA-T146	
C728	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V				
C729	1-126-795-11	ELECT	10uF 20% 50V				
C730	1-126-795-11	ELECT	10uF 20% 50V				
C731	1-126-795-11	ELECT	10uF 20% 50V				
C732	1-126-795-11	ELECT	10uF 20% 50V				

DISPLAY DSP

Ref. No.	Part No.	Description	Remark		
Q710	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q711	8-729-216-22	TRANSISTOR	2SA1162-G		
< RESISTOR >					
R701	1-216-037-00	RES-CHIP	330	5%	1/10W
R703	1-216-295-00	SHORT CHIP	0		
R704	1-216-295-00	SHORT CHIP	0		
R706	1-216-001-00	RES-CHIP	10	5%	1/10W
△ R707	1-249-385-11	CARBON	2.2	5%	1/4W F
△ R708	1-249-385-11	CARBON	2.2	5%	1/4W F
R709	1-216-025-11	RES-CHIP	100	5%	1/10W
R710	1-216-025-11	RES-CHIP	100	5%	1/10W
R711	1-216-025-11	RES-CHIP	100	5%	1/10W
R712	1-216-025-11	RES-CHIP	100	5%	1/10W
R713	1-216-025-11	RES-CHIP	100	5%	1/10W
R714	1-216-025-11	RES-CHIP	100	5%	1/10W
R715	1-216-025-11	RES-CHIP	100	5%	1/10W
R716	1-216-025-11	RES-CHIP	100	5%	1/10W
R717	1-216-025-11	RES-CHIP	100	5%	1/10W
R718	1-216-025-11	RES-CHIP	100	5%	1/10W
R719	1-216-037-00	RES-CHIP	330	5%	1/10W
R720	1-216-037-00	RES-CHIP	330	5%	1/10W
R721	1-216-022-00	RES-CHIP	75	5%	1/10W
R723	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R724	1-216-049-11	RES-CHIP	1K	5%	1/10W
R725	1-216-081-00	RES-CHIP	22K	5%	1/10W
R726	1-216-073-00	RES-CHIP	10K	5%	1/10W
R727	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R728	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R729	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R730	1-216-049-11	RES-CHIP	1K	5%	1/10W
R731	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R733	1-216-049-11	RES-CHIP	1K	5%	1/10W
R734	1-216-083-00	RES-CHIP	27K	5%	1/10W
R735	1-216-049-11	RES-CHIP	1K	5%	1/10W
R736	1-216-049-11	RES-CHIP	1K	5%	1/10W
R737	1-216-833-11	METAL CHIP	10K	5%	1/10W
R740	1-216-833-11	METAL CHIP	10K	5%	1/10W
R741	1-216-833-11	METAL CHIP	10K	5%	1/10W
R748	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R749	1-216-821-11	METAL CHIP	1K	5%	1/10W
R750	1-216-849-11	METAL CHIP	220K	5%	1/10W
R751	1-216-843-11	METAL CHIP	68K	5%	1/10W
R753	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R754	1-216-821-11	METAL CHIP	1K	5%	1/10W
R757	1-216-025-11	RES-CHIP	100	5%	1/10W
R758	1-216-041-00	RES-CHIP	470	5%	1/10W
R759	1-216-073-00	RES-CHIP	10K	5%	1/10W
R772	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
< SWITCH/ROTARY ENCODER >					
S701	1-771-349-21	SWITCH, KEYBOARD (MUSIC)			
S702	1-771-349-21	SWITCH, KEYBOARD (MOVIE)			
S703	1-771-349-21	SWITCH, KEYBOARD (A.F.D.)			
S704	1-771-349-21	SWITCH, KEYBOARD (2CH)			
S705	1-771-349-21	SWITCH, KEYBOARD (SUR BACK DECODING)			
S706	1-771-349-21	SWITCH, KEYBOARD (SLEEP)			
S707	1-771-349-21	SWITCH, KEYBOARD (DIMMER)			

Ref. No.	Part No.	Description	Remark		
S708	1-771-349-21	SWITCH, KEYBOARD (MEMORY/ENTER)			
S709	1-771-349-21	SWITCH, KEYBOARD (TUNING MODE)			
S710	1-771-349-21	SWITCH, KEYBOARD (TONE MODE)			
S711	1-771-349-21	SWITCH, KEYBOARD (DISPLAY)			
S712	1-771-349-21	SWITCH, KEYBOARD (INPUT MODE)			
S713	1-418-400-11	ENCODER, ROTARY (TONE)			
S714	1-418-400-11	ENCODER, ROTARY (TUNING)			
S715	1-418-400-11	ENCODER, ROTARY (INPUT SELECTOR)			
< TRANSFORMER >					
T701	1-445-015-11	TRANSFORMER, DC-DC CONVERTER			

	A-1182-351-A	DSP BOARD, COMPLETE			

< CAPACITOR >					
C1	1-100-635-21	ELECT CHIP	82uF	20%	4V
C3	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C7	1-165-628-21	ELECT CHIP	100uF	20%	2V
C8	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C9	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C10	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C11	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C12	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C19	1-117-370-11	CERAMIC CHIP	10uF		10V
C23	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C24	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C25	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C26	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C28	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C29	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C30	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C32	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C33	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C34	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C35	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C36	1-117-370-11	CERAMIC CHIP	10uF		10V
C39	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C40	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C42	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C43	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C45	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C46	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C49	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C50	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C52	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C57	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C59	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C61	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C62	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C63	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C64	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C66	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C67	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

E-VOLUME

Ref. No.	Part No.	Description	Remark		
A-1182-340-A	E-VOLUME BOARD, COMPLETE	*****			
	< CAPACITOR >				
C1202	1-112-114-11	ELECT	22uF	20%	50V
C1203	1-112-083-11	ELECT	100uF	20%	16V
C1204	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1205	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1206	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1207	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1208	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1209	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1210	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1212	1-112-114-11	ELECT	22uF	20%	50V
C1213	1-112-083-11	ELECT	100uF	20%	16V
C1214	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1215	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1216	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1217	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1218	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1219	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1220	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1222	1-112-114-11	ELECT	22uF	20%	50V
C1223	1-112-083-11	ELECT	100uF	20%	16V
C1224	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1225	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1226	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1227	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1228	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1229	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1230	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1232	1-112-114-11	ELECT	22uF	20%	50V
C1233	1-112-083-11	ELECT	100uF	20%	16V
C1234	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1235	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1236	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1237	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1238	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1239	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1240	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1243	1-112-426-11	ELECT	47uF	20%	35V
C1244	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1252	1-112-114-11	ELECT	22uF	20%	50V
C1253	1-112-083-11	ELECT	100uF	20%	16V
C1254	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1255	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1262	1-112-114-11	ELECT	22uF	20%	50V
C1263	1-112-083-11	ELECT	100uF	20%	16V
C1264	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1265	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1272	1-112-114-11	ELECT	22uF	20%	50V
C1273	1-112-083-11	ELECT	100uF	20%	16V
C1274	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1275	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1280	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1282	1-112-114-11	ELECT	22uF	20%	50V
C1283	1-112-083-11	ELECT	100uF	20%	16V

Ref. No.	Part No.	Description	Remark		
C1284	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1285	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1286	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1290	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
	< CONNECTOR >				
CNP1208	1-794-003-11	CONNECTOR 15P			
CNS1201	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P			
CNS1202	1-784-041-41	CONNECTOR, BOARD TO BOARD 9P			
CNS1203	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P			
CNS1204	1-770-593-41	CONNECTOR, BOARD TO BOARD 5P			
	< IC >				
IC1202	8-759-710-97	IC NJM4565M-D			
IC1203	6-709-814-01	IC CXD9725M-HFL			
IC1212	8-759-710-97	IC NJM4565M-D			
IC1213	6-709-814-01	IC CXD9725M-HFL			
IC1222	8-759-710-97	IC NJM4565M-D			
IC1223	6-709-814-01	IC CXD9725M-HFL			
IC1232	8-759-710-97	IC NJM4565M-D			
IC1233	6-709-814-01	IC CXD9725M-HFL			
	< RESISTOR >				
R1202	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1203	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1204	1-216-025-11	RES-CHIP	100	5%	1/10W
R1205	1-216-013-00	RES-CHIP	33	5%	1/10W
R1206	1-216-013-00	RES-CHIP	33	5%	1/10W
R1207	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1212	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1213	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1214	1-216-025-11	RES-CHIP	100	5%	1/10W
R1215	1-216-013-00	RES-CHIP	33	5%	1/10W
R1216	1-216-013-00	RES-CHIP	33	5%	1/10W
R1217	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1222	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1223	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1224	1-216-025-11	RES-CHIP	100	5%	1/10W
R1225	1-216-013-00	RES-CHIP	33	5%	1/10W
R1226	1-216-013-00	RES-CHIP	33	5%	1/10W
R1227	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1232	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1233	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1234	1-216-025-11	RES-CHIP	100	5%	1/10W
R1235	1-216-013-00	RES-CHIP	33	5%	1/10W
R1236	1-216-013-00	RES-CHIP	33	5%	1/10W
R1237	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1252	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1253	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1257	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1262	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1263	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1267	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1272	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1273	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1277	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1282	1-216-049-11	RES-CHIP	1K	5%	1/10W

E-VOLUME

HDMI SW

KEY 1

KEY 2

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R1283	1-216-097-11	RES-CHIP	100K 5% 1/10W	R5009	1-216-864-11	SHORT CHIP	0
R1287	1-216-097-11	RES-CHIP	100K 5% 1/10W	R5010	1-216-864-11	SHORT CHIP	0
*****				R5011	1-216-864-11	SHORT CHIP	0
HDMI SW BOARD				R5014	1-216-864-11	SHORT CHIP	0
*****				R5015	1-216-821-11	METAL CHIP	1K 5% 1/10W
< CAPACITOR >				R5016	1-216-864-11	SHORT CHIP	0
C5001	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R5017	1-216-864-11	SHORT CHIP	0
C5002	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5018	1-216-821-11	METAL CHIP	1K 5% 1/10W
C5003	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5019	1-216-864-11	SHORT CHIP	0
C5004	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5020	1-216-864-11	SHORT CHIP	0
C5005	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5022	1-216-833-11	METAL CHIP	10K 5% 1/10W
C5006	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5023	1-216-864-11	SHORT CHIP	0
C5007	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5024	1-216-864-11	SHORT CHIP	0
C5008	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5025	1-216-864-11	SHORT CHIP	0
C5009	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5026	1-216-809-11	METAL CHIP	100 5% 1/10W
C5010	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5027	1-216-833-11	METAL CHIP	10K 5% 1/10W
C5011	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5028	1-216-833-11	METAL CHIP	10K 5% 1/10W
C5012	1-117-681-11	ELECT CHIP	100uF 20% 16V	R5029	1-216-841-11	METAL CHIP	47K 5% 1/10W
C5013	1-128-934-11	CERAMIC CHIP	0.33uF 20% 10V	R5030	1-216-833-11	METAL CHIP	10K 5% 1/10W
C5014	1-126-246-11	ELECT CHIP	220uF 20% 4V	R5042	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
C5015	1-128-994-21	ELECT CHIP	47uF 20% 10V	R5043	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
C5016	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5047	1-216-864-11	SHORT CHIP	0
C5017	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V	R5048	1-216-864-11	SHORT CHIP	0
C5018	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V	R5049	1-216-864-11	SHORT CHIP	0
C5019	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R5054	1-216-833-11	METAL CHIP	10K 5% 1/10W
C5020	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R5055	1-216-833-11	METAL CHIP	10K 5% 1/10W
C5022	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5056	1-216-821-11	METAL CHIP	1K 5% 1/10W
C5023	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R5060	1-216-864-11	SHORT CHIP	0
C5027	1-128-994-21	ELECT CHIP	47uF 20% 10V	R5061	1-216-864-11	SHORT CHIP	0
< CONNECTOR >				R5068	1-216-845-11	METAL CHIP	100K 5% 1/10W
CN5001	1-820-735-11	HDMI CONNECTOR (HDMI DVD IN)		R5069	1-216-845-11	METAL CHIP	100K 5% 1/10W
CN5002	1-820-735-11	HDMI CONNECTOR (HDMI TV/SAT IN)		R5072	1-216-809-11	METAL CHIP	100 5% 1/10W
CN5003	1-820-735-11	HDMI CONNECTOR (HDMI MONITOR OUT)		R5073	1-216-864-11	SHORT CHIP	0
* CN5004	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P		R5074	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
< IC >				*****			
IC5001	6-709-221-01	IC TMD5341PFCR		KEY 1 BOARD			
IC5002	6-705-337-01	IC TK11150CSCL-G		*****			
IC5003	6-705-468-01	IC BA33BC0FP-E2		< CONNECTOR >			
IC5004	6-704-351-01	IC SN74LVC2G08DCUR		* CN715	1-568-941-11	PIN, CONNECTOR 3P	
IC5005	6-707-207-01	IC SN74LVC1G3157DCKR		< RESISTOR >			
< FERRITE BEAD >				R760	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
L5013	1-400-862-11	BEAD, FERRITE		R761	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
< RESISTOR >				< SWITCH >			
R5001	1-218-861-11	METAL CHIP	3.9K 0.5% 1/10W	S720	1-771-349-21	SWITCH, KEYBOARD (MULTI CH IN)	
R5002	1-218-844-11	METAL CHIP	750 0.5% 1/10W	S721	1-771-349-21	SWITCH, KEYBOARD (DIRECT)	
R5003	1-216-833-11	METAL CHIP	10K 5% 1/10W	*****			
R5004	1-216-864-11	SHORT CHIP	0	KEY 2 BOARD			
R5005	1-216-864-11	SHORT CHIP	0	*****			
R5006	1-216-864-11	SHORT CHIP	0	< CONNECTOR >			
R5007	1-216-864-11	SHORT CHIP	0	* CN727	1-568-941-11	PIN, CONNECTOR 3P	
R5008	1-216-864-11	SHORT CHIP	0				

KEY 2 **M-VOL** **MAIN**

Ref. No.	Part No.	Description	Remark		
		< RESISTOR >			
R784	1-216-057-00	RES-CHIP 2.2K 5%	1/10W		
		< SWITCH >			
S725	1-771-349-21	SWITCH, KEYBOARD (SPEAKERS (OFF/A/B/A+B))			

		M-VOL BOARD *****			
		< CONNECTOR >			
* CN716	1-564-725-11	PIN, CONNECTOR (SMALL TYPE) 9P			
CN717	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			
		< ROTARY ENCODER >			
S722	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			

	A-1182-279-A	MAIN BOARD, COMPLETE *****			
	1-533-313-11	FUSE HOLDER			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C1001	1-128-809-11	CERAMIC 100PF 5%	50V		
C1002	1-128-809-11	CERAMIC 100PF 5%	50V		
C1003	1-128-825-11	CERAMIC 2200PF 5%	50V		
C1004	1-128-809-11	CERAMIC 100PF 5%	50V		
C1005	1-128-809-11	CERAMIC 100PF 5%	50V		
C1006	1-128-809-11	CERAMIC 100PF 5%	50V		
C1007	1-128-809-11	CERAMIC 100PF 5%	50V		
C1008	1-128-809-11	CERAMIC 100PF 5%	50V		
C1009	1-128-809-11	CERAMIC 100PF 5%	50V		
C1010	1-128-825-11	CERAMIC 2200PF 5%	50V		
C1011	1-128-825-11	CERAMIC 2200PF 5%	50V		
C1012	1-128-825-11	CERAMIC 2200PF 5%	50V		
C1013	1-127-876-11	CERAMIC 0.01uF 10%	50V		
C1014	1-128-809-11	CERAMIC 100PF 5%	50V		
C1015	1-112-114-11	ELECT 22uF 20%	50V		
C1016	1-112-114-11	ELECT 22uF 20%	50V		
C1017	1-112-114-11	ELECT 22uF 20%	50V		
C1018	1-112-114-11	ELECT 22uF 20%	50V		
C1019	1-112-114-11	ELECT 22uF 20%	50V		
C1020	1-112-114-11	ELECT 22uF 20%	50V		
C1021	1-112-114-11	ELECT 22uF 20%	50V		
C1022	1-112-114-11	ELECT 22uF 20%	50V		
C1101	1-128-821-11	CERAMIC 1000PF 5%	50V		
C1102	1-128-821-11	CERAMIC 1000PF 5%	50V		
C1103	1-128-809-11	CERAMIC 100PF 5%	50V		
C1104	1-128-809-11	CERAMIC 100PF 5%	50V		
C1106	1-128-809-11	CERAMIC 100PF 5%	50V		
C1107	1-128-809-11	CERAMIC 100PF 5%	50V		
C1108	1-128-809-11	CERAMIC 100PF 5%	50V		
C1109	1-128-809-11	CERAMIC 100PF 5%	50V		
C1111	1-128-809-11	CERAMIC 100PF 5%	50V		

Ref. No.	Part No.	Description	Remark		
C1112	1-128-809-11	CERAMIC 100PF 5%	50V		
C1113	1-127-888-11	CERAMIC 0.1uF 10%	50V		
C1114	1-127-888-11	CERAMIC 0.1uF 10%	50V		
C1115	1-127-888-11	CERAMIC 0.1uF 10%	50V		
C1116	1-127-888-11	CERAMIC 0.1uF 10%	50V		
C1117	1-112-114-11	ELECT 22uF 20%	50V		
C1118	1-112-114-11	ELECT 22uF 20%	50V		
C1119	1-112-114-11	ELECT 22uF 20%	50V		
C1120	1-112-114-11	ELECT 22uF 20%	50V		
C1121	1-112-114-11	ELECT 22uF 20%	50V		
C1122	1-112-114-11	ELECT 22uF 20%	50V		
C1123	1-112-114-11	ELECT 22uF 20%	50V		
C1124	1-112-114-11	ELECT 22uF 20%	50V		
C1201	1-112-114-11	ELECT 22uF 20%	50V		
C1211	1-112-114-11	ELECT 22uF 20%	50V		
C1221	1-112-114-11	ELECT 22uF 20%	50V		
C1231	1-112-114-11	ELECT 22uF 20%	50V		
C1241	1-112-114-11	ELECT 22uF 20%	50V		
C1242	1-112-114-11	ELECT 22uF 20%	50V		
C1251	1-112-114-11	ELECT 22uF 20%	50V		
C1261	1-112-114-11	ELECT 22uF 20%	50V		
C1271	1-112-114-11	ELECT 22uF 20%	50V		
C1281	1-112-114-11	ELECT 22uF 20%	50V		
C1301	1-128-825-11	CERAMIC 2200PF 5%	50V		
C1302	1-128-825-11	CERAMIC 2200PF 5%	50V		
C1303	1-127-876-11	CERAMIC 0.01uF 10%	50V		
C1304	1-112-114-11	ELECT 22uF 20%	50V		
C1305	1-112-114-11	ELECT 22uF 20%	50V		
C1306	1-128-809-11	CERAMIC 100PF 5%	50V		
C1401	1-114-243-11	ELECT (BLOCK) 8200uF 20%	71V		
C1402	1-114-243-11	ELECT (BLOCK) 8200uF 20%	71V		
C1403	1-137-350-11	FILM 0.015uF 5%	100V		
C1404	1-137-350-11	FILM 0.015uF 5%	100V		
C1405	1-104-999-11	MYLAR 0.1uF 5%	200V		
C1406	1-127-888-11	CERAMIC 0.1uF 10%	50V		
C1408	1-112-422-11	ELECT 470uF 20%	25V		
C1409	1-112-422-11	ELECT 470uF 20%	25V		
C1410	1-127-888-11	CERAMIC 0.1uF 10%	50V		
C1411	1-127-888-11	CERAMIC 0.1uF 10%	50V		
C1414	1-127-888-11	CERAMIC 0.1uF 10%	50V		
C1415	1-112-422-11	ELECT 470uF 20%	25V		
C1416	1-112-422-11	ELECT 470uF 20%	25V		
C1417	1-127-888-11	CERAMIC 0.1uF 10%	50V		
C1418	1-112-422-11	ELECT 470uF 20%	25V		
C1419	1-127-888-11	CERAMIC 0.1uF 10%	50V		
C1420	1-127-888-11	CERAMIC 0.1uF 10%	50V		
C1421	1-112-422-11	ELECT 470uF 20%	25V		
C1422	1-137-350-11	FILM 0.015uF 5%	100V		
C1423	1-137-350-11	FILM 0.015uF 5%	100V		
C1424	1-112-093-11	ELECT 2200uF 20%	25V		
C1425	1-112-093-11	ELECT 2200uF 20%	25V		
C1428	1-104-999-11	MYLAR 0.1uF 5%	200V		
C4001	1-128-809-11	CERAMIC 100PF 5%	50V		
C4002	1-128-809-11	CERAMIC 100PF 5%	50V		
C4003	1-128-809-11	CERAMIC 100PF 5%	50V		
C4004	1-137-395-91	MYLAR 0.022uF 5%	100V		
C4005	1-137-395-91	MYLAR 0.022uF 5%	100V		
C4006	1-128-809-11	CERAMIC 100PF 5%	50V		

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C4007	1-128-809-11	CERAMIC	100PF 5% 50V			< JACK >	
C4008	1-137-395-91	MYLAR	0.022uF 5% 100V	J1001	1-794-981-11	JACK, PIN 4P (MULTI CHANNEL INPUT FRONT L/FRONT R/SURROUND L/SURROUND R)	
C5216	1-112-077-11	ELECT	1000uF 20% 6.3V	J1002	1-766-398-21	JACK, PIN 4P (MULTI CHANNEL INPUT SUR BACK L/SUR BACK R/CENTER/SUB WOOFER)	
		< CONNECTOR >		J1101	1-794-981-11	JACK, PIN 4P (PREOUT FRONT L/FRONT R/SURROUND L/SURROUND R)	
CNP1401	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P		J1102	1-766-398-21	JACK, PIN 4P (PREOUT SUR BACK L/SUR BACK R/CENTER/SUB WOOFER)	
CNP1001	1-784-930-11	PIN, CONNECTOR 15P				< TRANSISTOR >	
CNP1002	1-794-006-11	CONNECTOR 20P		Q1101	8-729-119-78	TRANSISTOR	2SC2785-HFE
CNP1003	1-794-004-11	CONNECTOR 17P		Q1102	8-729-119-78	TRANSISTOR	2SC2785-HFE
CNP1203	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P		Q1103	8-729-119-78	TRANSISTOR	2SC2785-HFE
CNP1204	1-770-594-21	CONNECTOR, BOARD TO BOARD 5P		Q1104	8-729-119-78	TRANSISTOR	2SC2785-HFE
CNP1205	1-794-003-11	CONNECTOR 15P		Q1401	8-729-119-78	TRANSISTOR	2SC2785-HFE
CNP1403	1-785-103-11	PIN, CONNECTOR (3.96mm PITCH) 5P		Q1402	8-729-119-78	TRANSISTOR	2SC2785-HFE
CNP1404	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		Q1404	8-729-119-78	TRANSISTOR	2SC2785-HFE
CNP1405	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P		Q1406	8-729-119-76	TRANSISTOR	2SA1175-HFE
		< DIODE >		Q1408	8-729-029-86	TRANSISTOR	DTC124ESA
D1001	8-719-991-33	DIODE	1SS133T-77	Q1410	8-729-029-86	TRANSISTOR	DTC124ESA
D1002	8-719-991-33	DIODE	1SS133T-77	Q4001	8-729-119-78	TRANSISTOR	2SC2785-HFE
D1003	8-719-991-33	DIODE	1SS133T-77	Q4002	8-729-119-78	TRANSISTOR	2SC2785-HFE
D1004	8-719-991-33	DIODE	1SS133T-77	Q4003	8-729-119-78	TRANSISTOR	2SC2785-HFE
D1005	8-719-991-33	DIODE	1SS133T-77	Q5211	8-729-209-15	TRANSISTOR	2SD2012
D1101	8-719-991-33	DIODE	1SS133T-77			< RESISTOR >	
D1102	8-719-991-33	DIODE	1SS133T-77	R1001	1-249-441-11	CARBON	100K 5% 1/4W
D1103	8-719-991-33	DIODE	1SS133T-77	R1002	1-249-441-11	CARBON	100K 5% 1/4W
D1104	8-719-991-33	DIODE	1SS133T-77	R1003	1-249-441-11	CARBON	100K 5% 1/4W
D1401	8-719-302-38	DIODE	RBV-602-01	R1004	1-249-441-11	CARBON	100K 5% 1/4W
D1402	8-719-921-63	DIODE	MTZJ-7.5B	R1005	1-249-441-11	CARBON	100K 5% 1/4W
D1403	8-719-991-33	DIODE	1SS133T-77	R1006	1-249-441-11	CARBON	100K 5% 1/4W
D1405	6-500-522-11	DIODE	10EDB40-TA2B5	R1007	1-249-441-11	CARBON	100K 5% 1/4W
D1406	6-500-522-11	DIODE	10EDB40-TA2B5	R1008	1-249-441-11	CARBON	100K 5% 1/4W
D1407	6-500-522-11	DIODE	10EDB40-TA2B5	R1010	1-249-417-11	CARBON	1K 5% 1/4W
D1408	6-500-522-11	DIODE	10EDB40-TA2B5	R1011	1-249-417-11	CARBON	1K 5% 1/4W
D1410	6-500-522-11	DIODE	10EDB40-TA2B5	R1012	1-249-417-11	CARBON	1K 5% 1/4W
D1411	8-719-302-37	DIODE	RBV-602	R1013	1-249-417-11	CARBON	1K 5% 1/4W
D1412	8-719-991-33	DIODE	1SS133T-77	R1014	1-249-417-11	CARBON	1K 5% 1/4W
D1413	8-719-991-33	DIODE	1SS133T-77	R1015	1-249-417-11	CARBON	1K 5% 1/4W
D1414	8-719-991-33	DIODE	1SS133T-77	R1016	1-249-417-11	CARBON	1K 5% 1/4W
D4001	8-719-991-33	DIODE	1SS133T-77	R1017	1-249-417-11	CARBON	1K 5% 1/4W
D4002	8-719-991-33	DIODE	1SS133T-77	R1018	1-249-417-11	CARBON	1K 5% 1/4W
D4003	8-719-991-33	DIODE	1SS133T-77	R1101	1-259-428-61	CARBON	1K 5% 1/6W
		< IC >		R1102	1-259-428-61	CARBON	1K 5% 1/6W
IC1001	6-709-811-01	IC	TC9274CNG-016	R1103	1-259-428-61	CARBON	1K 5% 1/6W
IC1201	8-759-167-88	IC	NJM4565D	R1104	1-259-428-61	CARBON	1K 5% 1/6W
IC1211	8-759-167-88	IC	NJM4565D	R1105	1-259-428-61	CARBON	1K 5% 1/6W
IC1221	8-759-167-88	IC	NJM4565D	R1106	1-259-428-61	CARBON	1K 5% 1/6W
IC1231	8-759-167-88	IC	NJM4565D	R1107	1-259-428-61	CARBON	1K 5% 1/6W
IC1301	6-709-809-01	IC	TC9273CFG-012 (EL)	R1108	1-259-428-61	CARBON	1K 5% 1/6W
IC1302	8-759-167-88	IC	NJM4565D	R1109	1-247-847-91	CARBON	4.7K 5% 1/4W
IC1303	8-759-167-88	IC	NJM4565D	R1110	1-247-847-91	CARBON	4.7K 5% 1/4W
IC1401	8-759-231-59	IC	TA7815S	R1111	1-247-847-91	CARBON	4.7K 5% 1/4W
IC1402	8-759-245-87	IC	TA79015S	R1112	1-247-847-91	CARBON	4.7K 5% 1/4W
IC1405	6-702-771-01	IC	TA78033LS	R1113	1-249-429-11	CARBON	10K 5% 1/4W
IC1406	8-759-496-15	IC	BA05ST-V5	R1114	1-249-429-11	CARBON	10K 5% 1/4W
IC1407	8-759-245-79	IC	TA79005S				
IC1408	6-703-550-01	IC	TA7809LS				

MAIN **MIC** **POWER AMP**

Ref. No.	Part No.	Description	Remark
R1115	1-249-429-11	CARBON	10K 5% 1/4W
R1116	1-249-429-11	CARBON	10K 5% 1/4W
△R1117	1-249-393-11	CARBON	10 5% 1/4W F
△R1118	1-249-393-11	CARBON	10 5% 1/4W F
△R1119	1-249-393-11	CARBON	10 5% 1/4W F
△R1120	1-249-393-11	CARBON	10 5% 1/4W F
R1122	1-259-404-61	CARBON	100 5% 1/6W
R1123	1-259-404-61	CARBON	100 5% 1/6W
R1126	1-259-404-61	CARBON	100 5% 1/6W
R1127	1-259-404-61	CARBON	100 5% 1/6W
R1130	1-259-404-61	CARBON	100 5% 1/6W
R1131	1-259-404-61	CARBON	100 5% 1/6W
R1134	1-259-404-61	CARBON	100 5% 1/6W
R1135	1-259-404-61	CARBON	100 5% 1/6W
R1137	1-259-476-61	CARBON	100K 5% 1/6W
R1138	1-259-476-61	CARBON	100K 5% 1/6W
R1139	1-259-476-61	CARBON	100K 5% 1/6W
R1140	1-259-476-61	CARBON	100K 5% 1/6W
R1141	1-259-476-61	CARBON	100K 5% 1/6W
R1142	1-259-476-61	CARBON	100K 5% 1/6W
R1143	1-259-476-61	CARBON	100K 5% 1/6W
R1144	1-259-476-61	CARBON	100K 5% 1/6W
R1201	1-259-476-61	CARBON	100K 5% 1/6W
R1211	1-259-476-61	CARBON	100K 5% 1/6W
R1221	1-259-476-61	CARBON	100K 5% 1/6W
R1231	1-259-476-61	CARBON	100K 5% 1/6W
R1251	1-259-476-61	CARBON	100K 5% 1/6W
R1261	1-259-476-61	CARBON	100K 5% 1/6W
R1271	1-259-476-61	CARBON	100K 5% 1/6W
R1281	1-259-476-61	CARBON	100K 5% 1/6W
△R1301	1-249-399-11	CARBON	33 5% 1/4W F
△R1302	1-249-399-11	CARBON	33 5% 1/4W F
R1303	1-259-452-61	CARBON	10K 5% 1/6W
R1304	1-259-452-61	CARBON	10K 5% 1/6W
R1305	1-259-452-61	CARBON	10K 5% 1/6W
R1306	1-259-452-61	CARBON	10K 5% 1/6W
R1307	1-259-452-61	CARBON	10K 5% 1/6W
R1308	1-259-452-61	CARBON	10K 5% 1/6W
R1309	1-259-452-61	CARBON	10K 5% 1/6W
R1310	1-259-452-61	CARBON	10K 5% 1/6W
R1311	1-259-456-61	CARBON	15K 5% 1/6W
R1312	1-259-456-61	CARBON	15K 5% 1/6W
R1313	1-247-847-91	CARBON	4.7K 5% 1/4W
R1314	1-247-847-91	CARBON	4.7K 5% 1/4W
R1315	1-259-456-61	CARBON	15K 5% 1/6W
R1316	1-259-456-61	CARBON	15K 5% 1/6W
R1317	1-249-417-11	CARBON	1K 5% 1/4W
△R1401	1-249-407-11	CARBON	150 5% 1/4W F
R1403	1-249-421-11	CARBON	2.2K 5% 1/4W
R1404	1-249-429-11	CARBON	10K 5% 1/4W
△R1405	1-249-393-11	CARBON	10 5% 1/4W F
△R1407	1-215-867-00	METAL OXIDE	470 5% 1W F
△R1408	1-215-867-00	METAL OXIDE	470 5% 1W F
R1409	1-249-409-11	CARBON	220 5% 1/4W
R1411	1-247-847-91	CARBON	4.7K 5% 1/4W
R1412	1-247-847-91	CARBON	4.7K 5% 1/4W
R1416	1-249-429-11	CARBON	10K 5% 1/4W
△R1417	1-249-393-11	CARBON	10 5% 1/4W F

Ref. No.	Part No.	Description	Remark
△R1418	1-249-407-11	CARBON	150 5% 1/4W F
△R4001	1-249-393-11	CARBON	10 5% 1/4W F
△R4002	1-249-393-11	CARBON	10 5% 1/4W F
△R4003	1-249-393-11	CARBON	10 5% 1/4W F
R4006	1-249-393-11	CARBON	10 5% 1/4W
R4007	1-249-393-11	CARBON	10 5% 1/4W
R4008	1-249-393-11	CARBON	10 5% 1/4W
R4009	1-249-429-11	CARBON	10K 5% 1/4W
R4010	1-249-429-11	CARBON	10K 5% 1/4W
R4011	1-249-429-11	CARBON	10K 5% 1/4W
△R4012	1-249-393-11	CARBON	10 5% 1/4W F
△R4013	1-249-393-11	CARBON	10 5% 1/4W F
△R4014	1-249-393-11	CARBON	10 5% 1/4W F
< RELAY >			
RY1101	1-755-486-11	RELAY	
RY1102	1-755-486-11	RELAY	
RY1103	1-755-486-11	RELAY	
RY1104	1-755-486-11	RELAY	
RY1401	1-755-486-11	RELAY	
RY1402	1-755-031-11	RELAY	
RY4001	1-515-920-11	RELAY (24V)	
RY4002	1-515-920-11	RELAY (24V)	
RY4003	1-515-920-11	RELAY (24V)	
< TERMINAL >			
TM4001	1-780-405-11	TERMINAL BOARD (SP) (2P)	(SPEAKERS CENTER)
TM4002	1-780-404-11	TERMINAL BOARD (SP) (8P)	(SPEAKERS FRONT A/B)

MIC BOARD			

< CAPACITOR >			
C755	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
< CONNECTOR >			
CN718	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
< JACK >			
J701	1-820-056-11	SMALL TYPE JACK (AUTO CAL MIC)	
< LEAD >			
W701	1-775-377-21	LEAD (WITH CONNECTOR)	

POWER AMP BOARD			

< CAPACITOR >			
C1512	1-107-597-11	CERAMIC	22PF 5% 500V
C1513	1-107-597-11	CERAMIC	22PF 5% 500V
C1562	1-107-597-11	CERAMIC	22PF 5% 500V
C1563	1-107-597-11	CERAMIC	22PF 5% 500V
C1612	1-107-597-11	CERAMIC	22PF 5% 500V

POWER AMP

POWER SW

SP TERMINAL

Ref. No.	Part No.	Description	Remark
C1613	1-107-597-11	CERAMIC 22PF 5%	500V
C1712	1-107-597-11	CERAMIC 22PF 5%	500V
C1713	1-107-597-11	CERAMIC 22PF 5%	500V
C1762	1-107-597-11	CERAMIC 22PF 5%	500V
C1763	1-107-597-11	CERAMIC 22PF 5%	500V
C1812	1-107-597-11	CERAMIC 22PF 5%	500V
C1813	1-107-597-11	CERAMIC 22PF 5%	500V
C1862	1-107-597-11	CERAMIC 22PF 5%	500V
C1863	1-107-597-11	CERAMIC 22PF 5%	500V
C1903	1-112-111-11	ELECT 100uF 20%	100V
C1904	1-112-111-11	ELECT 100uF 20%	100V
< CONNECTOR >			
CN1901	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P	
CNP1903	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P	
CNP1904	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P	
< COIL >			
L1501	1-420-872-52	COIL, AIR-CORE	
L1551	1-420-872-52	COIL, AIR-CORE	
L1601	1-420-872-52	COIL, AIR-CORE	
L1701	1-420-872-52	COIL, AIR-CORE	
L1751	1-420-872-52	COIL, AIR-CORE	
L1801	1-420-872-52	COIL, AIR-CORE	
L1851	1-420-872-52	COIL, AIR-CORE	
< RESISTOR >			
△ R1515	1-249-405-11	CARBON 100 5%	1/4W F
△ R1516	1-234-572-21	ENCAPSULATED COMPONENT F	
△ R1517	1-249-405-11	CARBON 100 5%	1/4W F
△ R1518	1-249-393-11	CARBON 10 5%	1/4W F
△ R1565	1-249-405-11	CARBON 100 5%	1/4W F
△ R1566	1-234-572-21	ENCAPSULATED COMPONENT F	
△ R1567	1-249-405-11	CARBON 100 5%	1/4W F
△ R1568	1-249-393-11	CARBON 10 5%	1/4W F
△ R1615	1-249-405-11	CARBON 100 5%	1/4W F
△ R1616	1-234-572-21	ENCAPSULATED COMPONENT F	
△ R1617	1-249-405-11	CARBON 100 5%	1/4W F
△ R1618	1-249-393-11	CARBON 10 5%	1/4W F
△ R1715	1-249-405-11	CARBON 100 5%	1/4W F
△ R1716	1-234-572-21	ENCAPSULATED COMPONENT F	
△ R1717	1-249-405-11	CARBON 100 5%	1/4W F
△ R1718	1-249-393-11	CARBON 10 5%	1/4W F
△ R1765	1-249-405-11	CARBON 100 5%	1/4W F
△ R1766	1-234-572-21	ENCAPSULATED COMPONENT F	
△ R1767	1-249-405-11	CARBON 100 5%	1/4W F
△ R1768	1-249-393-11	CARBON 10 5%	1/4W F
△ R1815	1-249-405-11	CARBON 100 5%	1/4W F
△ R1816	1-234-572-21	ENCAPSULATED COMPONENT F	
△ R1817	1-249-405-11	CARBON 100 5%	1/4W F
△ R1818	1-249-393-11	CARBON 10 5%	1/4W F
△ R1865	1-249-405-11	CARBON 100 5%	1/4W F
△ R1866	1-234-572-21	ENCAPSULATED COMPONENT F	
△ R1867	1-249-405-11	CARBON 100 5%	1/4W F
△ R1868	1-249-393-11	CARBON 10 5%	1/4W F

Ref. No.	Part No.	Description	Remark
POWER SW BOARD *****			
< CONNECTOR >			
CN1	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
CN2	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	
< SWITCH >			
△ SW1	1-786-377-11	SWITCH, POWER (POWER)	

SP TERMINAL BOARD *****			
< CAPACITOR >			
C4101	1-137-395-91	MYLAR 0.022uF 5%	100V
C4102	1-137-395-91	MYLAR 0.022uF 5%	100V
C4103	1-137-395-91	MYLAR 0.022uF 5%	100V
C4104	1-137-395-91	MYLAR 0.022uF 5%	100V
C4105	1-128-809-11	CERAMIC 100PF 5%	50V
C4106	1-128-809-11	CERAMIC 100PF 5%	50V
C4107	1-128-809-11	CERAMIC 100PF 5%	50V
C4108	1-128-809-11	CERAMIC 100PF 5%	50V
< CONNECTOR >			
CNP4101	1-785-105-11	PIN, CONNECTOR (3.96mm PITCH) 7P	
CNP4102	1-785-104-11	PIN, CONNECTOR (3.96mm PITCH) 6P	
CNP4103	1-784-921-11	PIN, CONNECTOR 4P	
CNP4104	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P	
< DIODE >			
D4101	8-719-991-33	DIODE 1SS133T-77	
D4102	8-719-991-33	DIODE 1SS133T-77	
< TRANSISTOR >			
Q4101	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q4102	8-729-119-78	TRANSISTOR 2SC2785-HFE	
< RESISTOR >			
R4101	1-249-393-11	CARBON 10 5%	1/4W
R4102	1-249-393-11	CARBON 10 5%	1/4W
△ R4103	1-249-393-11	CARBON 10 5%	1/4W F
R4104	1-249-429-11	CARBON 10K 5%	1/4W
△ R4105	1-249-393-11	CARBON 10 5%	1/4W F
R4106	1-249-429-11	CARBON 10K 5%	1/4W
△ R4107	1-249-393-11	CARBON 10 5%	1/4W F
△ R4108	1-249-393-11	CARBON 10 5%	1/4W F
△ R4109	1-249-393-11	CARBON 10 5%	1/4W F
△ R4110	1-249-393-11	CARBON 10 5%	1/4W F
< RELAY >			
RY4101	1-515-920-11	RELAY (24V)	
RY4102	1-515-920-11	RELAY (24V)	
< TERMINAL >			
TM4101	1-780-404-11	TERMINAL BOARD (SP) (8P) (SPEAKERS SURROUND/SURROUND BACK)	

STR-DA1200ES

S-VIDEO

VIDEO

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
A-1182-345-A		S-VIDEO BOARD, COMPLETE *****				< RESISTOR >	
		< CAPACITOR >		R6901	1-216-864-11	SHORT CHIP	0
C6901	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R6902	1-216-864-11	SHORT CHIP	0
C6902	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R6904	1-216-864-11	SHORT CHIP	0
C6906	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	R6905	1-218-285-11	METAL CHIP	75 5% 1/10W
C6907	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	R6906	1-218-285-11	METAL CHIP	75 5% 1/10W
C6908	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R6907	1-218-285-11	METAL CHIP	75 5% 1/10W
C6909	1-126-964-11	ELECT	10uF 20% 50V	R6908	1-218-285-11	METAL CHIP	75 5% 1/10W
C6910	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R6909	1-218-285-11	METAL CHIP	75 5% 1/10W
C6911	1-126-964-11	ELECT	10uF 20% 50V	R6911	1-218-285-11	METAL CHIP	75 5% 1/10W
C6912	1-126-964-11	ELECT	10uF 20% 50V	R6912	1-218-285-11	METAL CHIP	75 5% 1/10W
C6915	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R6917	1-218-285-11	METAL CHIP	75 5% 1/10W
C6917	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R6919	1-218-285-11	METAL CHIP	75 5% 1/10W
C6918	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R6923	1-216-821-11	METAL CHIP	1K 5% 1/10W
C6919	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R6924	1-216-833-11	METAL CHIP	10K 5% 1/10W
C6920	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R6925	1-216-833-11	METAL CHIP	10K 5% 1/10W
C6921	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R6927	1-218-285-11	METAL CHIP	75 5% 1/10W
C6922	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R6928	1-216-864-11	SHORT CHIP	0
C6923	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R6930	1-216-864-11	SHORT CHIP	0
C6924	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R6932	1-216-845-11	METAL CHIP	100K 5% 1/10W
C6925	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R6933	1-216-845-11	METAL CHIP	100K 5% 1/10W
C6926	1-126-947-11	ELECT	47uF 20% 35V	R6934	1-216-845-11	METAL CHIP	100K 5% 1/10W
C6927	1-126-947-11	ELECT	47uF 20% 35V	R6935	1-216-845-11	METAL CHIP	100K 5% 1/10W
C6928	1-126-964-11	ELECT	10uF 20% 50V	R6936	1-216-845-11	METAL CHIP	100K 5% 1/10W
C6929	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R6937	1-216-864-11	SHORT CHIP	0
C6930	1-126-947-11	ELECT	47uF 20% 35V	R6938	1-216-864-11	SHORT CHIP	0
C6931	1-126-947-11	ELECT	47uF 20% 35V			*****	
		< CONNECTOR >		A-1182-344-A		VIDEO BOARD, COMPLETE *****	
CNP6901	1-784-922-11	PIN, CONNECTOR 5P				< CAPACITOR >	
CNP6902	1-779-977-11	PIN, CONNECTOR 6P		C6301	1-126-960-11	ELECT	1uF 20% 50V
CNS6903	1-779-283-11	CONNECTOR, FFC (LIF (NON-ZIF)) 15P		C6302	1-126-960-11	ELECT	1uF 20% 50V
		< DIODE >		C6303	1-126-960-11	ELECT	1uF 20% 50V
D6901	8-719-988-61	DIODE 1SS355TE-17		C6304	1-126-960-11	ELECT	1uF 20% 50V
D6902	8-719-988-61	DIODE 1SS355TE-17		C6305	1-126-960-11	ELECT	1uF 20% 50V
		< FERRITE BEAD >		C6306	1-126-960-11	ELECT	1uF 20% 50V
FB6901	1-469-152-11	FERRITE, EMI (SMD) (2012)		C6307	1-126-962-11	ELECT	3.3uF 20% 50V
FB6902	1-469-152-11	FERRITE, EMI (SMD) (2012)		C6308	1-126-933-11	ELECT	100uF 20% 16V
FB6903	1-469-152-11	FERRITE, EMI (SMD) (2012)		C6309	1-126-916-11	ELECT	1000uF 20% 6.3V
FB6904	1-469-152-11	FERRITE, EMI (SMD) (2012)		C6310	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
		< IC >		C6323	1-126-964-11	ELECT	10uF 20% 50V
IC6901	6-700-050-01	IC NJM2596M (TE2)		C6324	1-126-964-11	ELECT	10uF 20% 50V
IC6902	6-704-199-01	IC NJM2595M-TE2		C6325	1-126-964-11	ELECT	10uF 20% 50V
		< JACK >		C6332	1-126-947-11	ELECT	47uF 20% 35V
J6901	1-537-943-11	CONNECTOR (DIN) 1P (S VIDEO MONITOR OUT)		C6333	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
J6902	1-794-937-11	CONNECTOR (DIN) 2P (DVD/TV/SAT S VIDEO IN)		C6334	1-126-947-11	ELECT	47uF 20% 35V
J6904	1-794-937-11	CONNECTOR (DIN) 2P (VIDEO 1 S VIDEO IN/OUT)		C6335	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
				C6336	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
				C6337	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
				C6402	1-126-964-11	ELECT	10uF 20% 50V
				C6404	1-126-964-11	ELECT	10uF 20% 50V
				C6406	1-126-964-11	ELECT	10uF 20% 50V
				C6408	1-126-964-11	ELECT	10uF 20% 50V
				C6409	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
				C6410	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
				C6431	1-126-947-11	ELECT	47uF 20% 35V

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C6432	1-126-947-11	ELECT	47uF	20%	35V	C6631	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C6433	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6632	1-137-150-11	FILM	0.01uF	5%	100V
C6434	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C6634	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6435	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C6641	1-126-964-11	ELECT	10uF	20%	50V
C6436	1-126-964-11	ELECT	10uF	20%	50V	C6645	1-126-947-11	ELECT	47uF	20%	35V
C6437	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C6646	1-126-947-11	ELECT	47uF	20%	35V
C6438	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C6647	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6439	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6648	1-164-160-11	CERAMIC CHIP	20PF	5%	50V
C6440	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6649	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6441	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6651	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6442	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6652	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6443	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6653	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6444	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6671	1-126-947-11	ELECT	47uF	20%	35V
C6445	1-126-947-11	ELECT	47uF	20%	35V	C6672	1-126-947-11	ELECT	47uF	20%	35V
C6446	1-126-947-11	ELECT	47uF	20%	35V	C6673	1-126-947-11	ELECT	47uF	20%	35V
C6501	1-162-921-11	CERAMIC CHIP	33PF	5%	50V	C6674	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6502	1-162-917-11	CERAMIC CHIP	15PF	5%	50V	C6675	1-126-947-11	ELECT	47uF	20%	35V
C6503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6676	1-126-947-11	ELECT	47uF	20%	35V
C6504	1-126-947-11	ELECT	47uF	20%	35V	C6677	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6678	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C6679	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6509	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6701	1-126-960-11	ELECT	1uF	20%	50V
C6512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6702	1-126-960-11	ELECT	1uF	20%	50V
C6513	1-126-947-11	ELECT	47uF	20%	35V	C6703	1-130-495-00	MYLAR	0.1uF	5%	50V
C6514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6704	1-130-495-00	MYLAR	0.1uF	5%	50V
C6515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6705	1-130-495-00	MYLAR	0.1uF	5%	50V
C6516	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C6706	1-130-495-00	MYLAR	0.1uF	5%	50V
C6517	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V	C6707	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C6519	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C6708	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C6521	1-126-947-11	ELECT	47uF	20%	35V	C6709	1-126-959-11	ELECT	0.47uF	20%	50V
C6522	1-126-947-11	ELECT	47uF	20%	35V	C6710	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C6523	1-126-947-11	ELECT	47uF	20%	35V	C6711	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6524	1-126-933-11	ELECT	100uF	20%	16V	C6712	1-126-947-11	ELECT	47uF	20%	35V
C6525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C6713	1-126-959-11	ELECT	0.47uF	20%	50V
C6601	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6714	1-126-960-11	ELECT	1uF	20%	50V
C6602	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C6715	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C6603	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6716	1-130-495-00	MYLAR	0.1uF	5%	50V
C6604	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V	C6717	1-126-959-11	ELECT	0.47uF	20%	50V
C6605	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6718	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6606	1-126-964-11	ELECT	10uF	20%	50V	C6719	1-126-960-11	ELECT	1uF	20%	50V
C6607	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6720	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6608	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6721	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6609	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6723	1-126-964-11	ELECT	10uF	20%	50V
C6610	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6724	1-126-933-11	ELECT	100uF	20%	16V
C6611	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6725	1-126-947-11	ELECT	47uF	20%	35V
C6612	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6726	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6613	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6731	1-126-962-11	ELECT	3.3uF	20%	50V
C6614	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6732	1-126-933-11	ELECT	100uF	20%	16V
C6615	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6733	1-126-916-11	ELECT	1000uF	20%	6.3V
C6616	1-126-933-11	ELECT	100uF	20%	16V	C6734	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6617	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6751	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6618	1-126-933-11	ELECT	100uF	20%	16V	C6752	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6619	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6753	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6620	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C6801	1-126-933-11	ELECT	100uF	20%	16V
C6621	1-162-917-11	CERAMIC CHIP	15PF	5%	50V	C6803	1-126-933-11	ELECT	100uF	20%	16V
C6622	1-126-933-11	ELECT	100uF	20%	16V	C6805	1-126-933-11	ELECT	100uF	20%	16V
C6623	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V						
C6624	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V						

VIDEO

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C6808	1-162-927-11	CERAMIC CHIP	100PF 5%	50V			
C6809	1-162-927-11	CERAMIC CHIP	100PF 5%	50V		< JACK >	
C6811	1-107-826-11	CERAMIC CHIP	0.1uF 10%	16V			
C6812	1-107-826-11	CERAMIC CHIP	0.1uF 10%	16V	J6301	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO)
C6813	1-107-826-11	CERAMIC CHIP	0.1uF 10%	16V	J6401	1-794-978-11	JACK, PIN 3P (VIDEO MONITOR OUT, DVD/TV/SAT VIDEO IN)
		< CONNECTOR >			J6402	1-794-978-11	JACK, PIN 3P (VIDEO 1 VIDEO OUT, VIDEO 2 VIDEO IN/OUT)
CN6801	1-820-353-11	PIN, CONNECTOR (PC BOARD) 9P			J6403	1-794-970-11	JACK, PIN 1P (VIDEO 1 VIDEO IN)
CN6803	1-691-766-11	PLUG (MICRO CONNECTOR) 4P				< JUMPER RESISTOR >	
CN6804	1-779-283-11	CONNECTOR, FFC (LIF (NON-ZIF)) 15P			JW6601	1-216-864-11	SHORT CHIP 0
CNP6001	1-784-922-11	PIN, CONNECTOR 5P			JW6603	1-216-864-11	SHORT CHIP 0
		< TRIMMER >			JW6605	1-216-864-11	SHORT CHIP 0
CT6503	1-141-442-91	CAP, CERAMIC TRIMMER			JW6608	1-216-864-11	SHORT CHIP 0
CT6504	1-141-442-91	CAP, CERAMIC TRIMMER				< COIL >	
		< DIODE >			L6431	1-408-789-21	INDUCTOR 100uH
D6302	8-719-988-61	DIODE 1SS355TE-17			L6432	1-408-789-21	INDUCTOR 100uH
D6671	8-719-988-61	DIODE 1SS355TE-17			L6501	1-408-781-00	INDUCTOR 22uH
D6672	8-719-988-61	DIODE 1SS355TE-17			L6801	1-424-700-21	INDUCTOR 100uH
D6721	8-719-988-61	DIODE 1SS355TE-17				< TRANSISTOR >	
D6722	8-719-988-61	DIODE 1SS355TE-17			Q6302	1-801-806-11	TRANSISTOR DTC144EKA-T146
D6723	8-719-988-61	DIODE 1SS355TE-17			Q6521	8-729-216-22	TRANSISTOR 2SA1162-G
D6731	8-719-988-61	DIODE 1SS355TE-17			Q6522	8-729-216-22	TRANSISTOR 2SA1162-G
D6732	8-719-988-61	DIODE 1SS355TE-17			Q6523	8-729-216-22	TRANSISTOR 2SA1162-G
D6733	8-719-988-61	DIODE 1SS355TE-17			Q6531	8-729-140-97	TRANSISTOR 2SB734-34
		< FERRITE BEAD >			Q6532	8-729-027-43	TRANSISTOR DTC114EKA-T146
FB6501	1-469-152-11	FERRITE, EMI (SMD) (2012)			Q6601	8-729-230-49	TRANSISTOR 2SC2712-YG
FB6502	1-414-813-11	FERRITE, EMI (SMD) (2012)			Q6604	8-729-230-49	TRANSISTOR 2SC2712-YG
FB6601	1-469-152-11	FERRITE, EMI (SMD) (2012)			Q6621	8-729-216-22	TRANSISTOR 2SA1162-G
FB6602	1-469-152-11	FERRITE, EMI (SMD) (2012)			Q6622	8-729-230-49	TRANSISTOR 2SC2712-YG
FB6661	1-469-152-11	FERRITE, EMI (SMD) (2012)			Q6623	8-729-230-49	TRANSISTOR 2SC2712-YG
FB6662	1-469-152-11	FERRITE, EMI (SMD) (2012)			Q6624	8-729-216-22	TRANSISTOR 2SA1162-G
FB6801	1-469-152-11	FERRITE, EMI (SMD) (2012)			Q6631	8-729-216-22	TRANSISTOR 2SA1162-G
		< FILTER >			Q6632	8-729-230-49	TRANSISTOR 2SC2712-YG
FL6621	1-239-847-11	FILTER, LOW PASS			Q6633	8-729-230-49	TRANSISTOR 2SC2712-YG
FL6631	1-239-847-11	FILTER, LOW PASS			Q6647	8-729-216-22	TRANSISTOR 2SA1162-G
		< IC >			Q6651	8-729-230-49	TRANSISTOR 2SC2712-YG
IC6302	8-759-822-05	IC LA7213			Q6652	8-729-230-49	TRANSISTOR 2SC2712-YG
IC6303	8-759-564-49	IC TC7W53FU (TE12R)			Q6653	8-729-230-49	TRANSISTOR 2SC2712-YG
IC6331	6-706-767-01	IC NJM2586AM			Q6671	8-729-216-22	TRANSISTOR 2SA1162-G
IC6431	6-704-199-01	IC NJM2595M-TE2			Q6672	8-729-230-49	TRANSISTOR 2SC2712-YG
IC6501	6-700-367-01	IC MB90089PF-G-238-BND			Q6673	8-729-216-22	TRANSISTOR 2SA1162-G
IC6502	8-759-032-01	IC MC74HC00AF			Q6674	8-729-230-49	TRANSISTOR 2SC2712-YG
IC6503	8-759-242-70	IC TC7WU04F			Q6675	8-729-216-22	TRANSISTOR 2SA1162-G
IC6601	8-752-386-17	IC CXD2064Q			Q6676	8-729-230-49	TRANSISTOR 2SC2712-YG
IC6651	8-759-300-71	IC HD14053BFP			Q6677	8-729-027-43	TRANSISTOR DTC114EKA-T146
IC6671	8-759-663-94	IC LA7106M-TLM			Q6678	8-729-027-23	TRANSISTOR DTA114EKA-T146
IC6701	8-752-109-74	IC CXA2199Q			Q6701	8-729-216-22	TRANSISTOR 2SA1162-G
IC6721	8-759-565-20	IC TDA4665T/V5-118			Q6731	1-801-806-11	TRANSISTOR DTC144EKA-T146
IC6731	8-759-822-05	IC LA7213				< RESISTOR >	
IC6751	8-759-300-71	IC HD14053BFP			R6301	1-218-285-11	METAL CHIP 75 5% 1/10W
IC6811	8-759-238-47	IC TC74HCT7007AF (EL)			R6302	1-218-285-11	METAL CHIP 75 5% 1/10W
IC6812	8-759-268-29	IC SN74HC595ANS			R6303	1-218-285-11	METAL CHIP 75 5% 1/10W
IC6813	8-759-268-29	IC SN74HC595ANS			R6304	1-218-285-11	METAL CHIP 75 5% 1/10W
					R6305	1-218-285-11	METAL CHIP 75 5% 1/10W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R6306	1-218-285-11	METAL CHIP	75	5%	1/10W	R6628	1-216-820-11	METAL CHIP	820	5%	1/10W
R6307	1-218-285-11	METAL CHIP	75	5%	1/10W	R6629	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6308	1-218-285-11	METAL CHIP	75	5%	1/10W						
R6309	1-218-285-11	METAL CHIP	75	5%	1/10W	R6631	1-216-812-11	METAL CHIP	180	5%	1/10W
R6310	1-216-815-11	METAL CHIP	330	5%	1/10W	R6632	1-216-809-11	METAL CHIP	100	5%	1/10W
						R6633	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6311	1-216-847-11	METAL CHIP	150K	5%	1/10W	R6634	1-218-289-11	METAL CHIP	510	5%	1/10W
R6312	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6635	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R6313	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R6314	1-216-864-11	SHORT CHIP	0			R6636	1-216-839-11	METAL CHIP	33K	5%	1/10W
R6315	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6637	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R6638	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6316	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6639	1-216-809-11	METAL CHIP	100	5%	1/10W
R6317	1-216-864-11	SHORT CHIP	0			R6640	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6401	1-216-864-11	SHORT CHIP	0								
R6402	1-216-864-11	SHORT CHIP	0			R6641	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R6403	1-216-864-11	SHORT CHIP	0			R6642	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R6643	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6404	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6644	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R6405	1-218-285-11	METAL CHIP	75	5%	1/10W	R6645	1-216-809-11	METAL CHIP	100	5%	1/10W
R6406	1-218-285-11	METAL CHIP	75	5%	1/10W						
R6407	1-218-285-11	METAL CHIP	75	5%	1/10W	R6646	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6408	1-218-285-11	METAL CHIP	75	5%	1/10W	R6647	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R6651	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6409	1-218-285-11	METAL CHIP	75	5%	1/10W	R6652	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6410	1-218-285-11	METAL CHIP	75	5%	1/10W	R6653	1-216-809-11	METAL CHIP	100	5%	1/10W
R6411	1-218-285-11	METAL CHIP	75	5%	1/10W						
R6501	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6654	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R6503	1-216-809-11	METAL CHIP	100	5%	1/10W	R6655	1-216-817-11	METAL CHIP	470	5%	1/10W
						R6656	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6504	1-216-809-11	METAL CHIP	100	5%	1/10W	R6657	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R6505	1-216-814-11	METAL CHIP	270	5%	1/10W	R6658	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6506	1-216-857-11	METAL CHIP	1M	5%	1/10W						
R6507	1-216-857-11	METAL CHIP	1M	5%	1/10W	R6659	1-216-809-11	METAL CHIP	100	5%	1/10W
R6508	1-216-814-11	METAL CHIP	270	5%	1/10W	R6671	1-216-813-11	METAL CHIP	220	5%	1/10W
						R6672	1-216-818-11	METAL CHIP	560	5%	1/10W
R6509	1-216-809-11	METAL CHIP	100	5%	1/10W	R6673	1-216-818-11	METAL CHIP	560	5%	1/10W
R6521	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6674	1-216-839-11	METAL CHIP	33K	5%	1/10W
R6522	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R6523	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6675	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6524	1-216-837-11	METAL CHIP	22K	5%	1/10W	R6676	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R6677	1-216-813-11	METAL CHIP	220	5%	1/10W
R6525	1-216-837-11	METAL CHIP	22K	5%	1/10W	R6678	1-216-818-11	METAL CHIP	560	5%	1/10W
R6526	1-216-837-11	METAL CHIP	22K	5%	1/10W	R6679	1-216-818-11	METAL CHIP	560	5%	1/10W
R6527	1-216-809-11	METAL CHIP	100	5%	1/10W						
R6528	1-216-809-11	METAL CHIP	100	5%	1/10W	R6680	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6529	1-216-809-11	METAL CHIP	100	5%	1/10W	R6681	1-216-839-11	METAL CHIP	33K	5%	1/10W
						R6682	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6531	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6683	1-216-813-11	METAL CHIP	220	5%	1/10W
R6532	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R6684	1-216-818-11	METAL CHIP	560	5%	1/10W
R6603	1-216-842-11	METAL CHIP	56K	5%	1/10W						
R6604	1-216-818-11	METAL CHIP	560	5%	1/10W	R6685	1-216-818-11	METAL CHIP	560	5%	1/10W
R6605	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R6686	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R6687	1-216-839-11	METAL CHIP	33K	5%	1/10W
R6606	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R6688	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6607	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R6689	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6610	1-216-809-11	METAL CHIP	100	5%	1/10W						
R6611	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6690	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6612	1-216-817-11	METAL CHIP	470	5%	1/10W	R6701	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
						R6702	1-216-817-11	METAL CHIP	470	5%	1/10W
R6619	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6703	1-216-835-11	METAL CHIP	15K	5%	1/10W
R6621	1-216-811-11	METAL CHIP	150	5%	1/10W	R6704	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6622	1-216-809-11	METAL CHIP	100	5%	1/10W						
R6623	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6705	1-216-809-11	METAL CHIP	100	5%	1/10W
R6624	1-218-289-11	METAL CHIP	510	5%	1/10W	R6706	1-216-809-11	METAL CHIP	100	5%	1/10W
R6625	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R6707	1-216-809-11	METAL CHIP	100	5%	1/10W
R6626	1-216-839-11	METAL CHIP	33K	5%	1/10W	R6708	1-216-813-11	METAL CHIP	220	5%	1/10W
R6627	1-216-841-11	METAL CHIP	47K	5%	1/10W						

VIDEO **VIDEO 3**

Ref. No.	Part No.	Description	Remark
R6709	1-216-851-11	METAL CHIP 330K 5%	1/10W
R6710	1-216-815-11	METAL CHIP 330 5%	1/10W
R6711	1-216-832-11	METAL CHIP 8.2K 5%	1/10W
R6712	1-216-833-11	METAL CHIP 10K 5%	1/10W
R6713	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R6714	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
R6715	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
R6716	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
R6717	1-216-848-11	METAL CHIP 180K 5%	1/10W
R6731	1-216-815-11	METAL CHIP 330 5%	1/10W
R6732	1-216-847-11	METAL CHIP 150K 5%	1/10W
R6733	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R6734	1-216-821-11	METAL CHIP 1K 5%	1/10W
R6735	1-216-864-11	SHORT CHIP 0	
R6736	1-216-845-11	METAL CHIP 100K 5%	1/10W
R6801	1-216-809-11	METAL CHIP 100 5%	1/10W
R6802	1-216-809-11	METAL CHIP 100 5%	1/10W
R6803	1-216-809-11	METAL CHIP 100 5%	1/10W
R6804	1-216-809-11	METAL CHIP 100 5%	1/10W
R6805	1-216-809-11	METAL CHIP 100 5%	1/10W
R6806	1-216-809-11	METAL CHIP 100 5%	1/10W
R6807	1-216-809-11	METAL CHIP 100 5%	1/10W
R6808	1-216-809-11	METAL CHIP 100 5%	1/10W
R6809	1-216-833-11	METAL CHIP 10K 5%	1/10W
< CONNECTOR >			
TP6501	1-784-921-11	PIN, CONNECTOR 4P	
< VIBRATOR >			
X6502	1-781-821-21	VIBRATOR, CRYSTAL (14.31MHz)	
X6503	1-781-820-21	VIBRATOR, CRYSTAL (17.734MHz)	
X6701	1-781-342-21	OSCILLATOR, CRYSTAL (3.5795MHz)	
X6702	1-781-134-21	VIBRATOR, CRYSTAL (4.43MHz)	
X6703	1-577-611-11	OSCILALTOR, CERAMIC (500kHz)	

A-1182-363-A	VIDEO 3 BOARD, COMPLETE *****		
< CAPACITOR >			
C757	1-104-665-11	ELECT 100uF 20%	25V
C758	1-104-665-11	ELECT 100uF 20%	25V
C759	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C760	1-163-025-11	CERAMIC CHIP 0.001uF	50V
C761	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C762	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C763	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C764	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C765	1-163-139-00	CERAMIC CHIP 820PF 5%	50V
C766	1-163-139-00	CERAMIC CHIP 820PF 5%	50V
C767	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C768	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C769	1-165-319-11	CERAMIC CHIP 0.1uF	50V
< TERMINAL/CONNECTOR >			
CN720	1-784-808-11	TERMINAL, S (VIDEO 3 IN/PORTABLE AV IN S VIDEO)	
CN721	1-784-923-11	PIN, CONNECTOR 7P	

Ref. No.	Part No.	Description	Remark
CN723	1-779-978-11	PIN, CONNECTOR 3P	
CN724	1-779-977-11	PIN, CONNECTOR 6P	
CN725	1-784-922-11	PIN, CONNECTOR 5P	
< EARTH TERMINAL >			
* ET702	1-537-738-21	TERMINAL, EARTH	
* ET703	1-537-738-21	TERMINAL, EARTH	
< IC >			
IC706	8-759-710-97	IC NJM4565M-D	
IC707	6-600-219-01	IC GP1FM313RZ0F	
< JACK >			
J702	1-815-313-11	JACK (PHONES)	
J703	1-770-571-11	JACK BLOCK, PIN (L TYPE) 3P (VIDEO 3 IN/PORTABLE AV IN AUDIO/VIDEO)	
< RESISTOR >			
R762	1-216-025-11	RES-CHIP 100 5%	1/10W
R763	1-216-049-11	RES-CHIP 1K 5%	1/10W
R764	1-216-049-11	RES-CHIP 1K 5%	1/10W
R765	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R766	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R767	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R768	1-216-089-11	RES-CHIP 47K 5%	1/10W
R769	1-216-089-11	RES-CHIP 47K 5%	1/10W
R770	1-216-295-00	SHORT CHIP 0	
R775	1-216-295-00	SHORT CHIP 0	
R776	1-216-295-00	SHORT CHIP 0	
R778	1-216-295-00	SHORT CHIP 0	
R785	1-216-295-00	SHORT CHIP 0	
R786	1-216-295-00	SHORT CHIP 0	

MISCELLANEOUS *****			
55	1-543-793-11	FILTER, CLAMP (FERRITE CORE)	
154	1-828-981-51	WIRE (FLAT TYPE) (15 CORE)	
157	1-693-676-11	TUNER	
204	1-828-337-51	WIRE (FLAT TYPE) (15 CORE)	
254	1-500-824-11	FERRITE CORE	
△ F01	1-532-504-33	FUSE (T4.0AL/250V)	
△ F02	1-532-464-33	FUSE (T2.5AL/250V) (AEP)	
△ F1403	1-532-504-33	FUSE (T4.0AL/250V)	
△ F1404	1-532-504-33	FUSE (T4.0AL/250V)	
△ F1405	1-532-506-33	FUSE (T6.3AL/250V)	
△ J01	1-820-651-11	INLET, AC 2P (~ AC IN)	
Q1507	8-729-051-92	TRANSISTOR 2SD2560	
Q1508	8-729-051-93	TRANSISTOR 2SB1647	
Q1521	8-729-026-08	TRANSISTOR 2SC4495	
Q1557	8-729-051-92	TRANSISTOR 2SD2560	
Q1558	8-729-051-93	TRANSISTOR 2SB1647	
Q1571	8-729-026-08	TRANSISTOR 2SC4495	
Q1607	8-729-051-92	TRANSISTOR 2SD2560	
Q1608	8-729-051-93	TRANSISTOR 2SB1647	
Q1621	8-729-026-08	TRANSISTOR 2SC4495	
Q1707	8-729-051-92	TRANSISTOR 2SD2560	
Q1708	8-729-051-93	TRANSISTOR 2SB1647	

Ref. No.	Part No.	Description	Remark
Q1721	8-729-026-08	TRANSISTOR	2SC4495
Q1757	8-729-051-92	TRANSISTOR	2SD2560
Q1758	8-729-051-93	TRANSISTOR	2SB1647
Q1771	8-729-026-08	TRANSISTOR	2SC4495
Q1807	8-729-051-92	TRANSISTOR	2SD2560
Q1808	8-729-051-93	TRANSISTOR	2SB1647
Q1821	8-729-026-08	TRANSISTOR	2SC4495
Q1857	8-729-051-92	TRANSISTOR	2SD2560
Q1858	8-729-051-93	TRANSISTOR	2SB1647
Q1871	8-729-026-08	TRANSISTOR	2SC4495
△ T01	1-445-044-11	TRANSFORMER, POWER	

ACCESSORIES

	1-474-025-11	REMOTE COMMANDER (RM-AAP015)	
	1-501-374-12	ANTENNA, LOOP (AM loop antenna)	
	1-501-594-14	ANTENNA (FM) (FM wire antenna)	
	1-542-670-11	MEASUREMENT MIC (MONO)	
		(Optimizer microphone: ECM-AC2)	
△	1-820-797-11	ADAPTOR, CONVERSION (EURO ECU 6) (UK)	
△	1-831-474-11	CORD, POWER (AC power cord)	
	2-694-840-11	MANUAL, INSTRUCTION (ENGLISH)	
	2-694-840-21	MANUAL, INSTRUCTION (FRENCH, SPANISH)	(AEP)
	2-694-840-31	MANUAL, INSTRUCTION	(GERMAN, DUTCH, ITALIAN) (AEP)
	2-694-840-41	MANUAL, INSTRUCTION (SWEDISH, POLISH)	(AEP)
	2-694-840-51	MANUAL, INSTRUCTION (DANISH, FINNISH)	(AEP)
	2-694-840-61	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)	
	2-694-840-71	MANUAL, INSTRUCTION (RUSSIAN) (AEP)	
	2-699-546-11	MANUAL, INSTRUCTION (GREEK) (AEP)	
	2-699-546-21	MANUAL, INSTRUCTION (HUNGARIAN, CZECH)	(AEP)
	2-699-546-31	MANUAL, INSTRUCTION (TURKISH) (AEP)	
	2-699-546-41	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP)	
	3-302-708-11	COVER, CONNECTOR (for pin jack of rear panel)	