STR-DA5700ES

SERVICE MANUAL

Ver. 1.2 2012.05

US Model
Canadian Model
AEP Model
UK Model



Note:
Be sure to keep your PC used for service and checking of this unit always updated with the latest version of your anti-virus software.
In case a virus affected unit was found during service, contact your Service Headquarters.

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (US and Canadian models only)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 130 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section (US and Canadian models)

POWER OUTPUT[1) 2)]
Rated Power Output at Stereo Mode (8 ohms 20 Hz – 20 kHz, THD 0.09%): 130 W + 130 W
Reference Power Output at Stereo Mode (4 ohms 20 Hz – 20 kHz, THD 0.15%): 130 W + 130 W
Reference Power Output (8 ohms 1 kHz, THD 0.7%)
FRONT: 140 W + 140 W
CENTER: 140 W
SURROUND: 140 W + 140 W
SURROUND BACK: 140 W + 140 W
Reference Power Output (4 ohms 1 kHz, THD 0.7%)
FRONT: 130 W + 130 W
CENTER: 130 W
SURROUND: 130 W + 130 W
SURROUND BACK: 130 W + 130 W

1) Measured under the following conditions: Power requirements: 120 V AC, 60 Hz
2) Depending on the sound field settings and the source, there may be no sound output.

Amplifier section (AEP and UK models)

POWER OUTPUT[1) 2)]
Rated Power Output at Stereo Mode (8 ohms 20 Hz – 20 kHz, THD 0.09%): 120 W + 120 W
Reference Power Output at Stereo Mode (4 ohms 20 Hz – 20 kHz, THD 0.15%): 120 W + 120 W
Reference Power Output (8 ohms 1 kHz, THD 0.7%)
FRONT: 130 W + 130 W
CENTER: 130 W
SURROUND: 130 W + 130 W
SURROUND BACK: 130 W + 130 W
Reference Power Output (4 ohms 1 kHz, THD 0.7%)
FRONT: 120 W + 120 W
CENTER: 120 W
SURROUND: 120 W + 120 W
SURROUND BACK: 120 W + 120 W

1) Measured under the following conditions: Power requirements: 230 V AC, 50/60 Hz
2) Depending on the sound field settings and the source, there may be no sound output.

Frequency response[3)]

PHONO	RIAA equalization curve ± 1.0 dB (20 Hz – 20 kHz)
MULTI CHANNEL INPUT, SA-CD/CD, TAPE, MD, TV, VIDEO 1/2, BD/DVD, SAT/CATV, GAME	10 Hz – 100 kHz ± 3 dB

3) When "2ch Analog Direct" is being used.

Inputs (Analog)

PHONO	Sensitivity: 2.5 mV Impedance: 50 kohms S/N: 90 dB (A, 20 kHz LPF)
MULTI CHANNEL INPUT, SA-CD/CD, TAPE, MD, TV, VIDEO 1/2, BD/DVD, SAT/CATV, GAME	Sensitivity: 150 mV Impedance: 50 kohms S/N: 100 dB (A, 20 kHz LPF)

Inputs (Digital)

IN 1 (BD/DVD), IN 2 (VIDEO 1), IN 3 (SA-CD/CD) (Coaxial)	Impedance: 75 ohms S/N: 96 dB (A, 20 kHz LPF)
IN 1 (GAME), IN 2 (SAT/CATV), IN 3 (TV), IN 4 (MD) (Optical)	S/N: 96 dB (A, 20 kHz LPF)

Outputs

TAPE (REC OUT), VIDEO 1, ZONE 2, ZONE 3 (AUDIO OUT)	Voltage:150 mV Impedance: 1 kohm
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, FRONT HIGH L/R, SUBWOOFER	Voltage: 2 V Impedance: 1 kohm

FM tuner section

Tuning range 87.5 – 108.0 MHz
Antenna (aerial) FM wire antenna (aerial)
Antenna (aerial) terminals 75 ohms, unbalanced

AM tuner section (US and Canadian models)

Tuning scale	Tuning range
10 kHz step	530 – 1,710 kHz
9 kHz step	531 – 1,710 kHz

Intermediate frequency 450 kHz
Antenna (aerial) Loop antenna (aerial)

AM tuner section (AEP and UK models)

Tuning range 531 – 1,602 kHz
Intermediate frequency 450 kHz
Antenna (aerial) Loop antenna (aerial)

Video section

Inputs/Outputs
Video: 1 Vp-p, 75 ohms
COMPONENT VIDEO:
Y: 1 Vp-p, 75 ohms
P_B: 0.7 Vp-p, 75 ohms
P_R: 0.7 Vp-p, 75 ohms
80 MHz HD Pass Through

HDMI Video

Input/Output (HDMI Repeater block)
640 × 480p @ 59.94/60 Hz
720 × 480p @ 59.94/60 Hz
1280 × 720p @ 59.94/60 Hz
1920 × 1080i @ 59.94/60 Hz
1920 × 1080p @ 59.94/60 Hz
720 × 576p @ 50 Hz
1280 × 720p @ 50 Hz
1920 × 1080i @ 50 Hz
1920 × 1080p @ 50 Hz
1280 × 720p @ 29.97/30 Hz
1920 × 1080p @ 29.97/30 Hz
1280 × 720p @ 23.98/24 Hz
1920 × 1080p @ 23.98/24 Hz

HDMI Video (3D)

Input/Output (HDMI Repeater block)
1280 × 720p @ 59.94/60 Hz
Frame Packing
Side-by-Side (Half)
Over-Under (Top-and-Bottom)
1920 × 1080i @ 59.94/60 Hz
Frame Packing
Side-by-Side (Half)
Over-Under (Top-and-Bottom)
1920 × 1080p @ 59.94/60 Hz
Side-by-Side (Half)
Over-Under (Top-and-Bottom)
1280 × 720p @ 50 Hz
Frame Packing
Side-by-Side (Half)
Over-Under (Top-and-Bottom)
1920 × 1080i @ 50 Hz
Frame Packing
Side-by-Side (Half)
Over-Under (Top-and-Bottom)
1920 × 1080p @ 50 Hz
Side-by-Side (Half)
Over-Under (Top-and-Bottom)
1920 × 1080p @ 23.98/24 Hz
Frame Packing
Side-by-Side (Half)
Over-Under (Top-and-Bottom)
1920 × 1080p @ 29.97/30 Hz
Frame Packing
Side-by-Side (Half)
Over-Under (Top-and-Bottom)
1280 × 720p @ 23.98/24 Hz
Frame Packing
Side-by-Side (Half)
Over-Under (Top-and-Bottom)
1280 × 720p @ 29.97/30 Hz
Frame Packing
Side-by-Side (Half)
Over-Under (Top-and-Bottom)

Playable types of files

Type of content	File format	Extensions
Video	MPEG-1 Video/ PS[1) 2)] MPEG-2 Video/ PS, TS[1) 3)]	".mpg," ".mpeg," ".m2ts," ".mts"
	MPEG-4 AVC[1) 2)]	".mkv," ".mp4," ".m4v," ".m2ts," ".mts"
	WMV9[1) 2)]	".wmv," ".asf"
	AVCHD[2)]	[4)]
	Xvid	".avi"
Music	MP3 (MPEG-1 Audio Layer III)[6)]	".mp3"
	AAC[1) 2) 5) 6)]	".m4a"
	WMA9 Standard[1) 2) 5) 6)]	".wma"
	LPCM[6)]	".wav"
	FLAC[6)]	".flac"
Photo	JPEG	".jpg," ".jpeg," ".mpo"
	PNG	".png"
	GIF	".gif"

1) The receiver does not play coded files such as DRM.
2) The receiver does not play this file format on a DLNA server.
3) The receiver can only play standard definition video on a DLNA server.
4) The receiver plays AVCHD format files that are recorded on a digital video camera, etc. The AVCHD format disc will not play if it has not been correctly finalised.
5) The receiver does not play coded files such as Lossless.
6) Sampling frequency/bit depth supported: up to 192 kHz/24 bit

Notes

- Some files may not play depending on the file format, file encoding, recording condition, or DLNA server condition.
- Some files edited on a computer may not play.
- The receiver can recognise the following files or folders in USB devices:
  – up to folders in the 3rd tree
  – up to 500 files in a single tree
- The receiver can recognise the following files or folders stored in the DLNA server:
  – up to folders in the 18th tree
  – up to 999 files in a single tree
- Some USB devices may not work with this receiver.
- The receiver can recognise Mass Storage Class (MSC) devices (such as flash memory or an HDD), Still Image Capture Device (SICD) class devices and 101 keyboard (front USB jack only).
- To avoid data corruption or damage to the USB memory or devices, turn the receiver off when connecting or removing the USB memory or devices.
- Concerning the formats defined in the DLNA guidelines, the server is required to offer the content to which the format information defined in the DLNA guidelines has been added properly.

General (US and Canadian models)

Power requirements 120 V AC, 60 Hz
Power consumption 480 W
Power consumption (during standby mode) 0.5 W (When "Control for HDMI", "Pass Through", "Network Standby", and "RS232C Control" are set to "OFF," and the power for zone 2/zone 3 is turned off.)
Dimensions 430 mm × 187.5 mm × 420 mm (17 in × 7 3/8 in × 16 1/2 in) (width/height/depth) including projecting parts and controls
Mass (Approx.) 17.7 kg (39 lb 1 oz)

General (AEP and UK models)

Power requirements 230 V AC, 50/60 Hz
Power consumption 480 W
Power consumption (during standby mode) 0.5 W (When "Control for HDMI", "Pass Through", "Network Standby", and "RS232C Control" are set to "Off," and the power for zone 2/zone 3 is turned off.)
Dimensions 430 mm × 187.5 mm × 420 mm (width/height/depth) including projecting parts and controls
Mass (Approx.) 17.3 kg

Supplied accessories

Operating Instructions (1)
Quick Setup Guide (1)
Software License Information (1)
Optimizer microphone ECM-AC1 (1)
FM wire antenna (aerial) (1)
AM loop antenna (aerial) (1)
AC power cord (mains lead) (1)
Multifunction remote control (1)
Simple remote control (1)
R6 (size-AA) batteries (4)
Speaker cord connection tool (1)

Design and specifications are subject to change without notice.

Standby power consumption 0.5 W.

MULTI CHANNEL AV RECEIVER

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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 CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

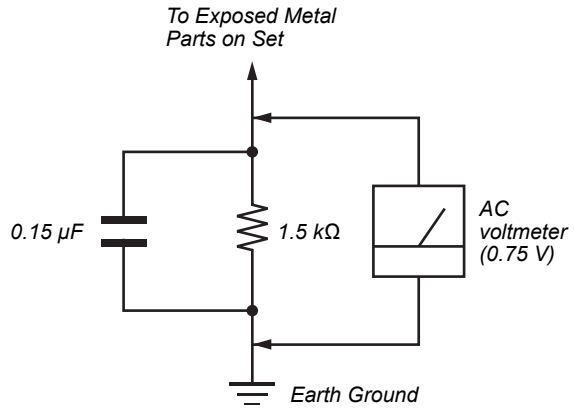


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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SECTION 1
SERVICING NOTES

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.

NOTE OF REPLACING THE IC3111, IC3511, IC3513 AND IC3514 ON THE D-VIDEO BOARD

IC3111, IC3511, IC3513 and IC3514 on the D-VIDEO board cannot exchange with single. When these parts are damaged, exchange the complete mounted board.

NOTE OF REPLACING THE IC3601 ON THE D-VIDEO BOARD

Replacement of IC3601 on the D-VIDEO board used in this unit requires a special tool.

NOTE OF REPLACING THE IC101, IC304, IC501 AND IC2503 ON THE NETWORK BOARD

IC101, IC304, IC501 and IC2503 on the NETWORK board cannot exchange with single. When these parts are damaged, exchange the complete mounted board.

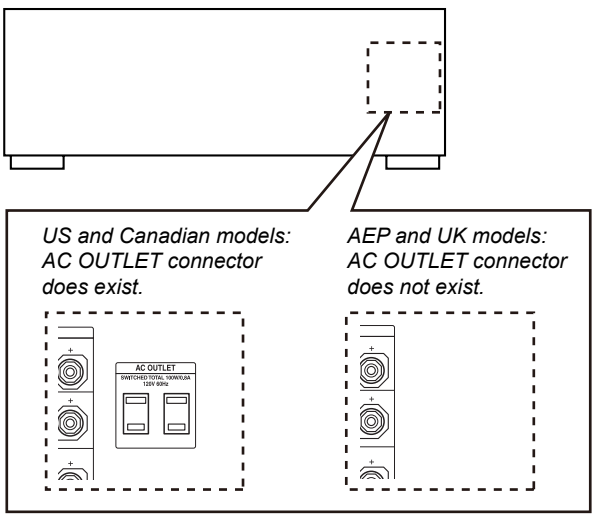
NOTE OF REPLACING THE IC106, IC107, IC206 AND IC207 ON THE NETWORK BOARD

Replacement of IC106, IC107, IC206 and IC207 on the NETWORK board used in this unit requires a special tool.

MODEL IDENTIFICATION

Distinguish the model by AC OUTLET connector on back panel.

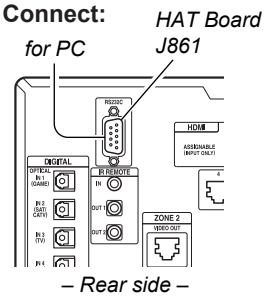
– Back Panel –



UPDATE OF SOFTWARE OF IC6302 ON THE A-VIDEO BOARD, IC3601 ON THE D-VIDEO BOARD, IC2501 ON THE CONTROL BOARD AND IC763 ON THE DISPLAY BOARD

Perform operation of the following when the update of software of the IC6302 on the A-VIDEO board, IC3601 on the D-VIDEO board, IC2501 on the CONTROL board and IC763 on the DISPLAY board are necessary.

Connect:

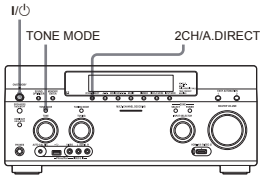


Procedure:

1. Connect the RS232C terminal on rear side of this unit (J861 on the HAT board) and PC by using the RS-232C cable.
2. Press the [I/⏻] button to turn on the main power.
3. The update is executed by using application on PC.
4. When the update ends, press the [I/⏻] button to turn off the main power.
5. Remove the RS-232C cable from the the RS232C terminal on rear side of this unit (J861 on the HAT board) and PC.

Performing initial setup operations (clearing all memorized settings)

Before using the receiver for the first time, initialize the receiver by performing the following procedure. This procedure can also be used to revert back to the factory default settings.



1 Press I/⏻ to turn off the receiver.

2 While holding down the TONE MODE and 2CH/A.DIRECT, press I/⏻ to turn on the receiver.

3 Release the TONE MODE and 2CH/A.DIRECT after a few seconds.

The "MEMORY CLEARING..." appears on the display window for a while, then changes to "MEMORY CLEARED!" Changes or adjustments made to the settings are now reset to the defaults.

Note

It takes about one minute for the memory to be cleared completely. Do not turn the receiver off until "MEMORY CLEARED!" appears on the display.

Error messages

You can check the status of the receiver by the message. See the following table to solve the problem.

PROTECTOR

The receiver is covered and ventilation holes are blocked. The receiver will automatically turn off after a few seconds. Remove the object covering the upper panel of the receiver and turn on the power again.

SPEAKER SHORTED

Irregular current is output to the speakers due to a short circuit on the speaker terminals. The receiver will automatically turn off after a few seconds. If the protective device on the receiver is activated due to a short-circuit problem, turn off the receiver. Check the connection of the speakers and turn on the power again.

FAN STOPPED

Check that the ventilation hole on the top of the receiver are not blocked. Place the receiver in a location with adequate ventilation to prevent heat build-up in the receiver.

"A new software version is available. Please go to the "Setup" section of the menu and select "Network Update" to perform the update." appears on the TV screen.

Update the receiver to a newer software version.

Video cannot be output from this jack.

- If you use the receiver in main zone, connect the receiver to a TV via an HDMI cable.
- If you connect the receiver to a TV via a video cord, set "Playback Resolution" to "480i/576i".
- If you connect the receiver to a TV via a component video cord, set "Playback Resolution" to a parameter appropriate to your TV.

CONFIRMATION OF NETWORK OPERATION

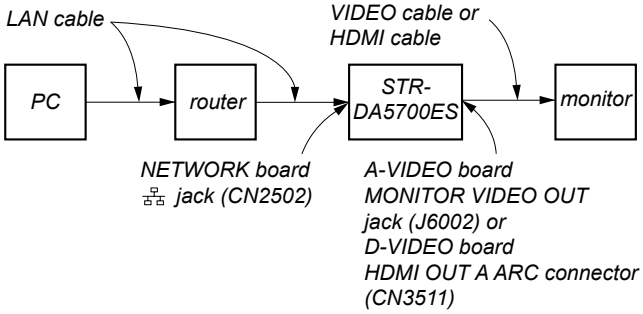
Note: When this confirmation is executed, IP address is changed.

Necessary machinery and materials:

- PC (Windows XP/Vista)
- Router
  (Transmission rate is 100 Mbps or more, built-in DHCP server function)
- Two LAN cables
  (Category 5 cable, normal type or shield type)
- Monitor
- Supplied multifunction remote commander (RM-AAL040)

Connection:

(The router need not be connected with the internet)



Procedure:

1. The setting of LAN of PC is setting to the automatic IP address assignment.
   It changes to the setting that displays the image in the monitor.
2. Perform connection with reference to connection figure.
3. The power supply of the router is turn on, next, the power supply of PC and this unit is turn on.
4. Press the [HOME] button of the remote commander, the home menu is displayed in the monitor.
5. The "Settings" is selected on the home menu, and press the [⊕] button of remote commander.
6. The "Network Settings" is selected , and press the [⊕] button of remote commander.
7. The "Internet Settings" is selected , and press the [⊕] button of remote commander.
8. The "Network Setup" is selected , and press the [⊕] button of remote commander.
9. The "Auto" is selected , and press the [⊕] button of remote commander.
10. The "Setup Cnfirmation" is displayed , and press the [➡] button of remote commander.
11. The "Save & Connect" is selected , and press the [⊕] button of remote commander.
12. The automatically connect function is performed.
13. Confirm that the "Internet Access: OK" has been displayed, and press the [⊕] button of remote commander.
14. Press the [I/⏻] button to turn off the main power.

NOTE OF REPLACING THE NETWORK BOARD

When the NETWORK board is exchanged, the MAC address has been changed.

Please print and cut out the following explanations, and return it with the unit that completes the repair.

MAC address of this receiver has been changed by this repair. The customer who uses the MAC address filtering function of connected access point equipment please set it again. MAC address is possible to confirm it on the System Information screen of this unit. Please refer to "Adjusting Settings" on the operating instructions for details.

NOTE OF REPLACING THE IC2239 ON THE D-AUDIO BOARD AND THE COMPLETE D-AUDIO BOARD (AEP and UK models only)

When this unit is connected with PC, this unit is recognized as a USB audio device on PC. At this time, the manufacture maker's information, etc. (USB descriptor) are transmitted to PC from this unit. The USB descriptor is stored in the IC2239 on the D-AUDIO board, and it is written in at the factory.
When the IC2239 on the D-AUDIO board or the complete D-AUDIO board are exchanged, do the following work.

1. Preparation

Prepare the following before beginning work.

- Windows PC (Windows XP or Vista)
- USB cable (A type plug to B type plug)



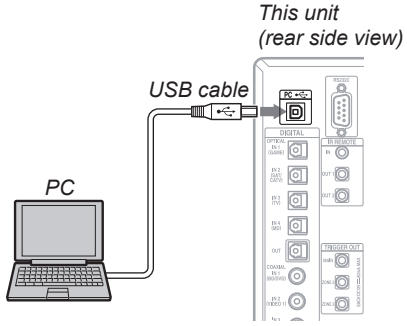
- Writing utility software (.exe file)
- USB descriptor definition file (.txt file)

Note: Confirm the method of obtaining the writing utility software and USB descriptor definition file to each service headquarters.

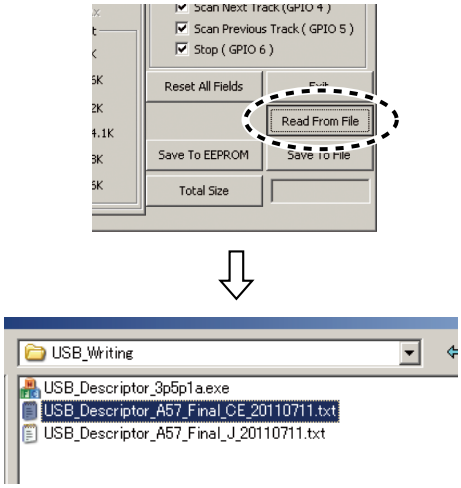
2. Writing method

Procedure:

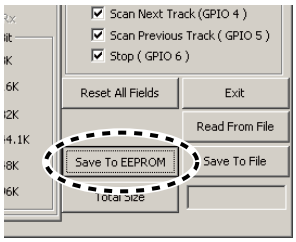
1. Assemble to this unit the D-AUDIO board to which exchange of the IC2239 or D-AUDIO board exchange for the new.
2. Connect PC and this set with USB cable.



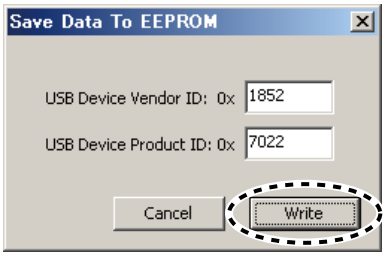
3. Press the [I/⏻] button on this unit to turn on the main power. (It is not necessary to wait for memory clearing)
4. Run the writing utility software on PC.
5. Click the "Read From File" button of the writing utility software on PC and open the USB descriptor definition file.



6. Click the "Save To EEPROM" button.



7. Click the "Write" button.

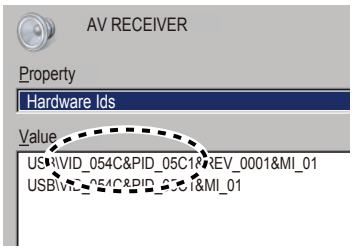


8. After "Save Data To EEPROM" window disappears, wait for about 2 seconds.
9. After about 2 seconds, the writing of the USB descriptor to the IC2239 on the D-AUDIO board is completed.

3. Checking method

Procedure:

1. Open the Device Manager of windows on PC.
2. Expand the "Sound, video and game controllers", and right-click on the "AV RECEIVER", "AV AMPLIFIER" or "USB Audio Device" and select the "Properties".
3. Click the "Details" tab, and select the "Hardware Ids" from pull-down list on Property. Check that the part surrounded by the dotted line of the following figure is "VID_054C&PID_05C1".

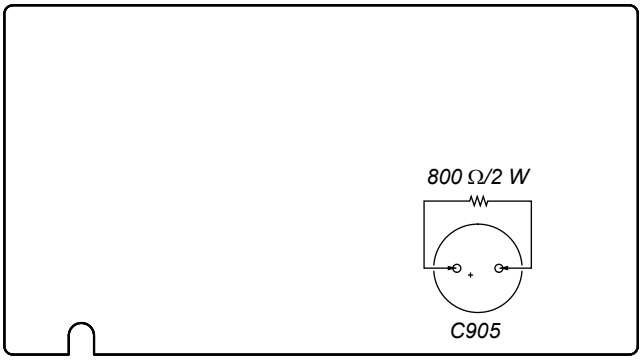


4. The checking was completed.

CAPACITOR ELECTRICAL DISCHARGE PROCESSING

When checking the board, for the electric shock prevention, connect the resistors to both ends of respective capacitors (C905 on the ACDC board) to discharge the capacitors (C905 on the ACDCboard).

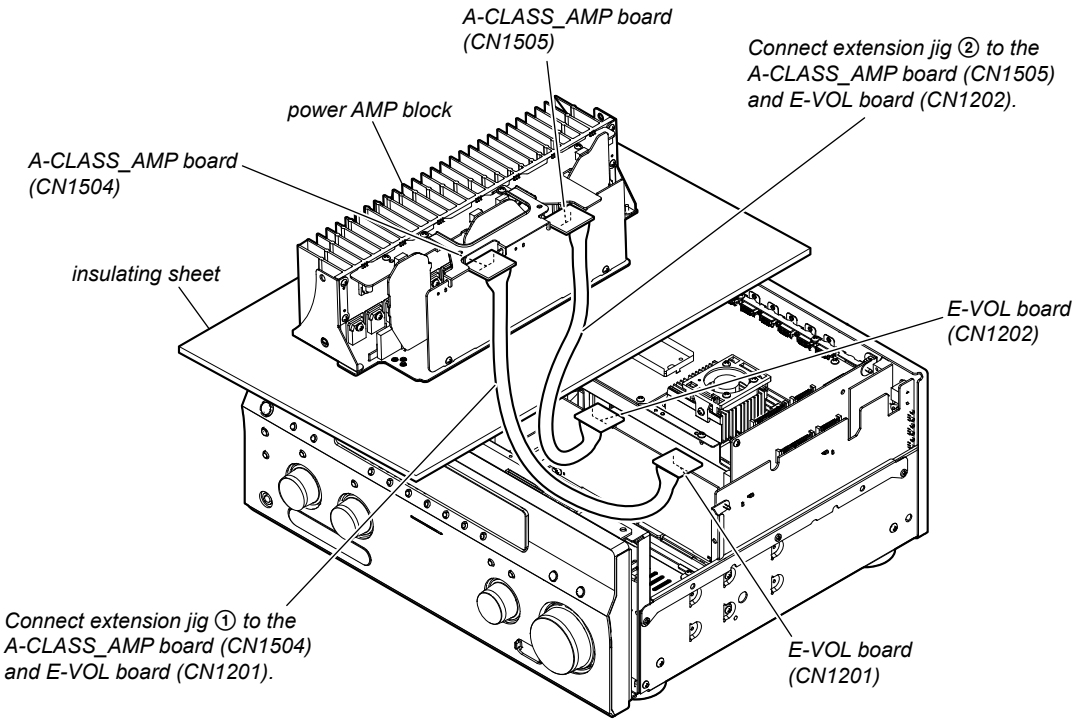
– ACDC Board (Conductor Side) –



POWER AMP BLOCK SERVICE POSITION

- Please connect following extension jig.

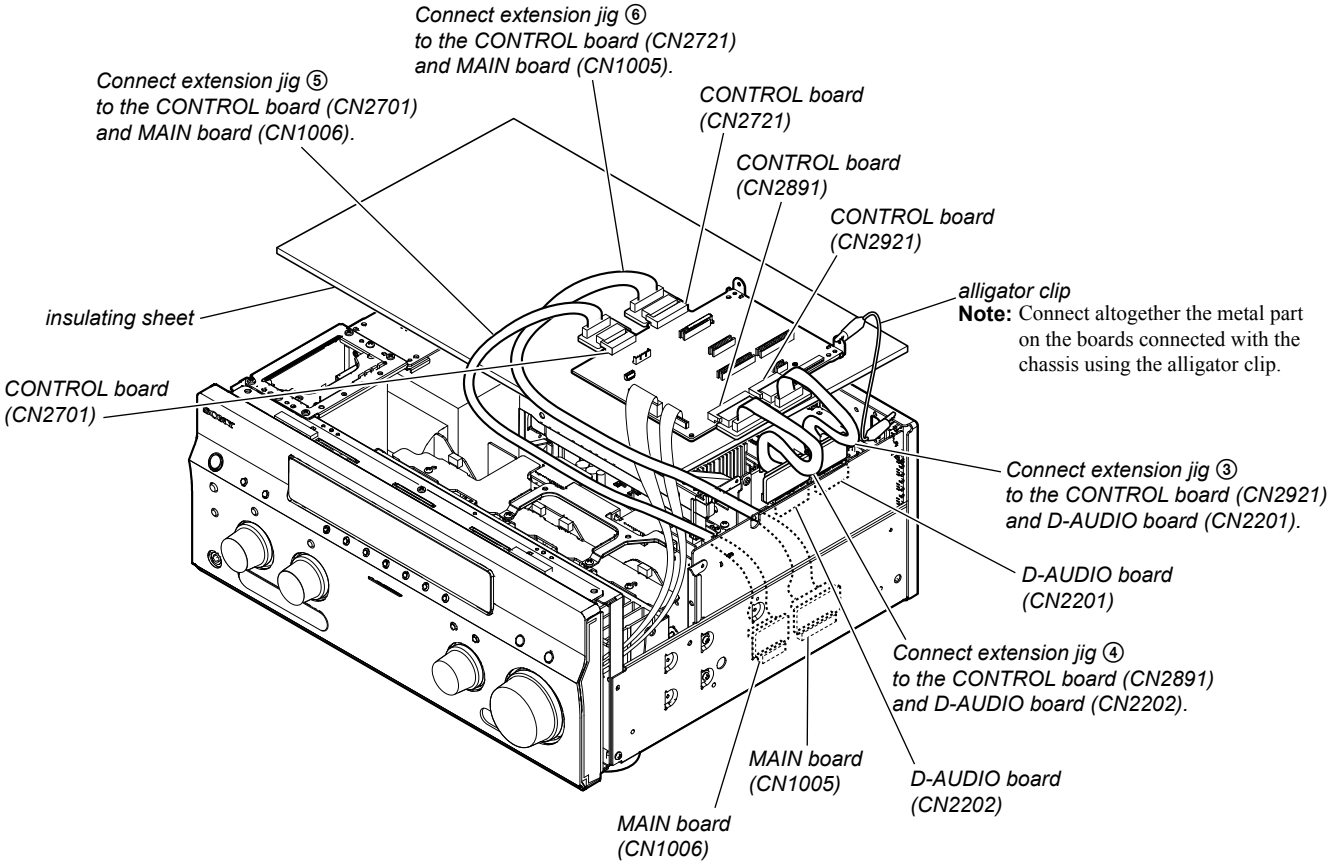
Jig No.	Jig Name	Part No.	Pitch (mm)	Cores	Remark
①	2.00_12_M	J-2501-357-A	2.0	12	For E-VOL Board (CN1201)
	2.00_12_M				For A-CLASS_AMP Board (CN1504)
	PH cable 12P	J-2501-352-A			Length 300 mm
②	2.00_16_M	J-2501-358-A	2.0	16	For E-VOL Board (CN1202)
	2.00_16_M				For A-CLASS_AMP Board (CN1505)
	PH cable 7P	J-2501-353-A			Length 300 mm
	PH cable 9P				



CONTROL BOARD SERVICE POSITION

- Please connect following extension jig.

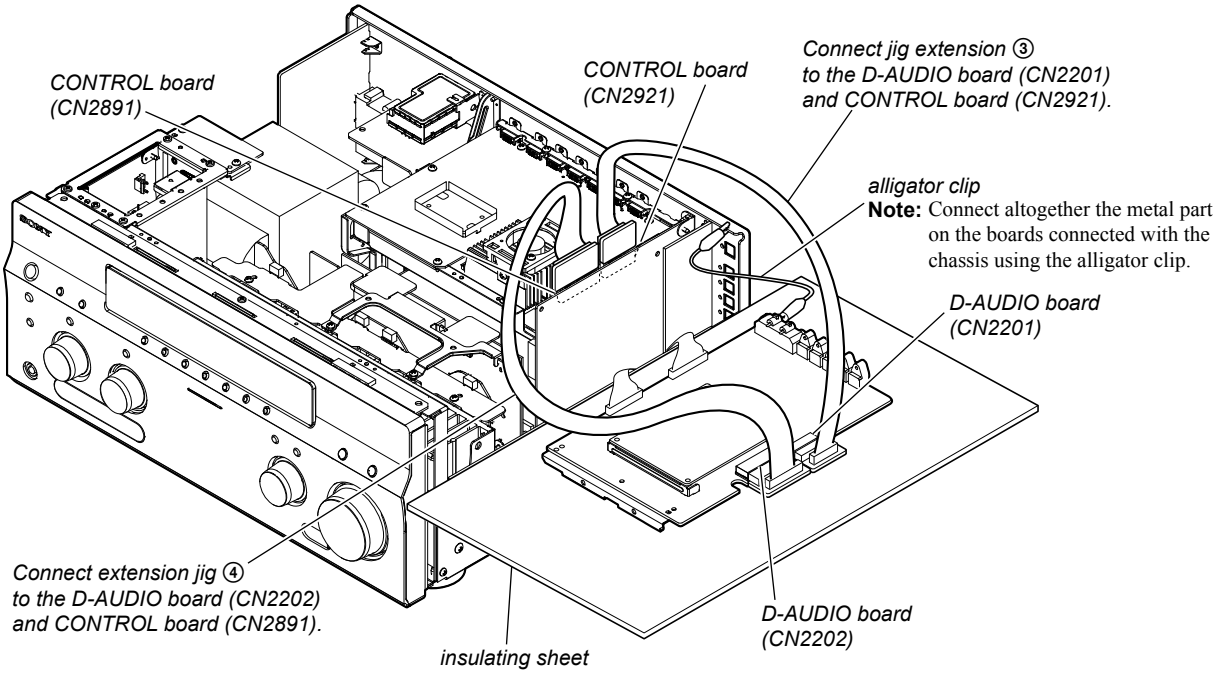
Jig No.	Jig Name	Part No.	Pitch (mm)	Cores	Remark
③	1.25_14_F	J-2501-354-A	1.25	14	For CONTROL Board (CN2921)
	1.25_14_F				For D-AUDIO Board (CN2201)
	FFC cable 14P	J-2501-361-A			Length 300 mm
④	1.25_26_F	J-2501-356-A	1.25	26	For CONTROL Board (CN2891)
	1.25_26_F				For D-AUDIO Board (CN2202)
	FFC cable 26P	J-2501-365-A			Length 300 mm
⑤	1.25_14_M	J-2501-344-A	1.25	14	For MAIN Board (CN1006)
	1.25_14_F				For CONTROL Board (CN2701)
	FFC cable 14P	J-2501-361-A			Length 300 mm
⑥	1.25_20_M	J-2501-345-A	1.25	20	For MAIN Board (CN1005)
	1.25_20_F				For CONTROL Board (CN2721)
	FFC cable 20P	J-2501-363-A			Length 300 mm



D-AUDIO BOARD SERVICE POSITION

• Please connect following extension jig.

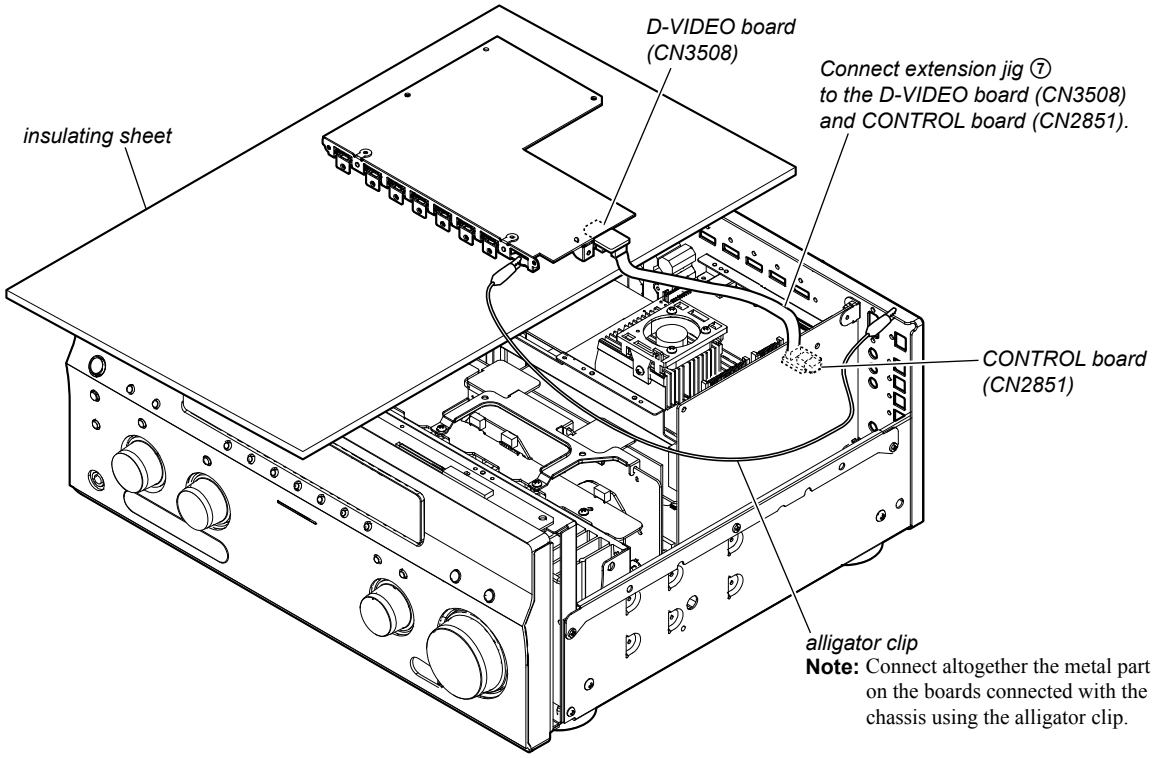
Jig No.	Jig Name	Part No.	Pitch (mm)	Cores	Remark
③	1.25_14_F	J-2501-354-A	1.25	14	For CONTROL Board (CN2921)
	1.25_14_F				For D-AUDIO Board (CN2201)
	FFC cable 14P	J-2501-361-A			Length 300 mm
④	1.25_26_F	J-2501-356-A	1.25	26	For CONTROL Board (CN2891)
	1.25_26_F				For D-AUDIO Board (CN2202)
	FFC cable 26P	J-2501-365-A			Length 300 mm



D-VIDEO BOARD SERVICE POSITION

• Please connect following extension jig.

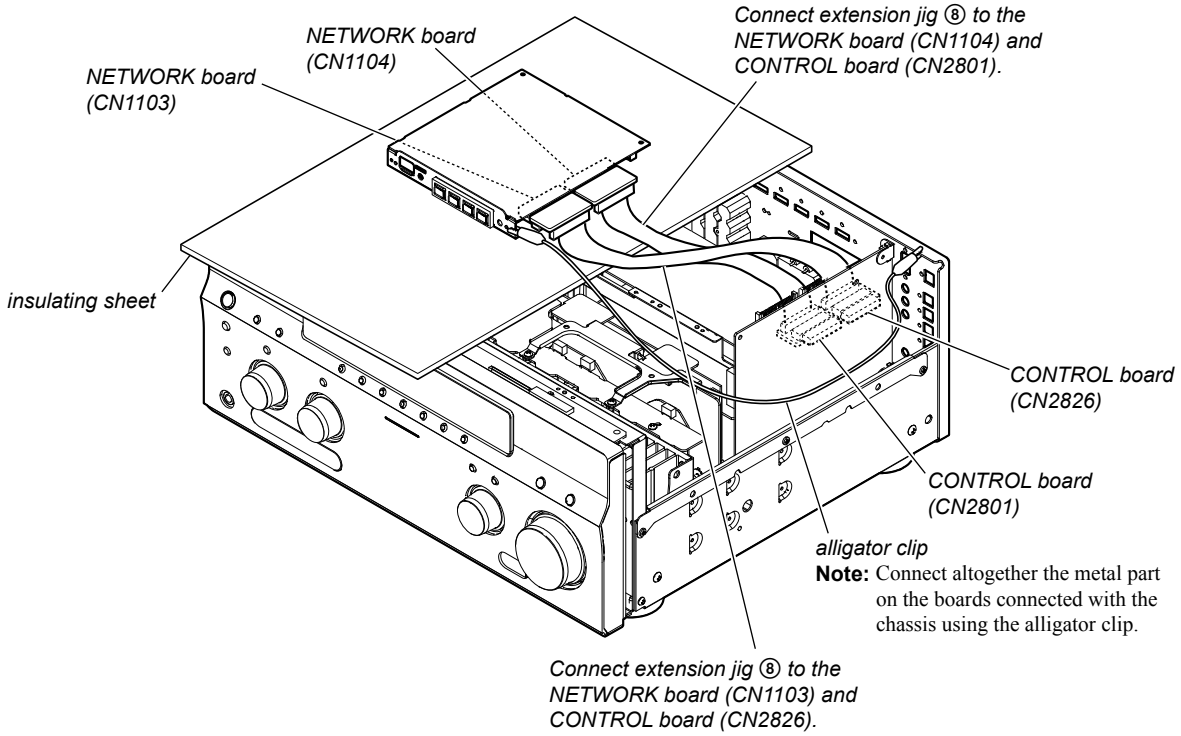
Jig No.	Jig Name	Part No.	Pitch (mm)	Cores	Remark
⑦	1.25_6_M	J-2501-349-A	1.25	6	For D-VIDEO Board (CN2851)
	1.25_6_F				For CONTROL Board (CN3508)
	FFC cable 6P	J-2501-359-A			Length 300 mm



NETWORK BOARD SERVICE POSITION

• Please connect following extension jig.

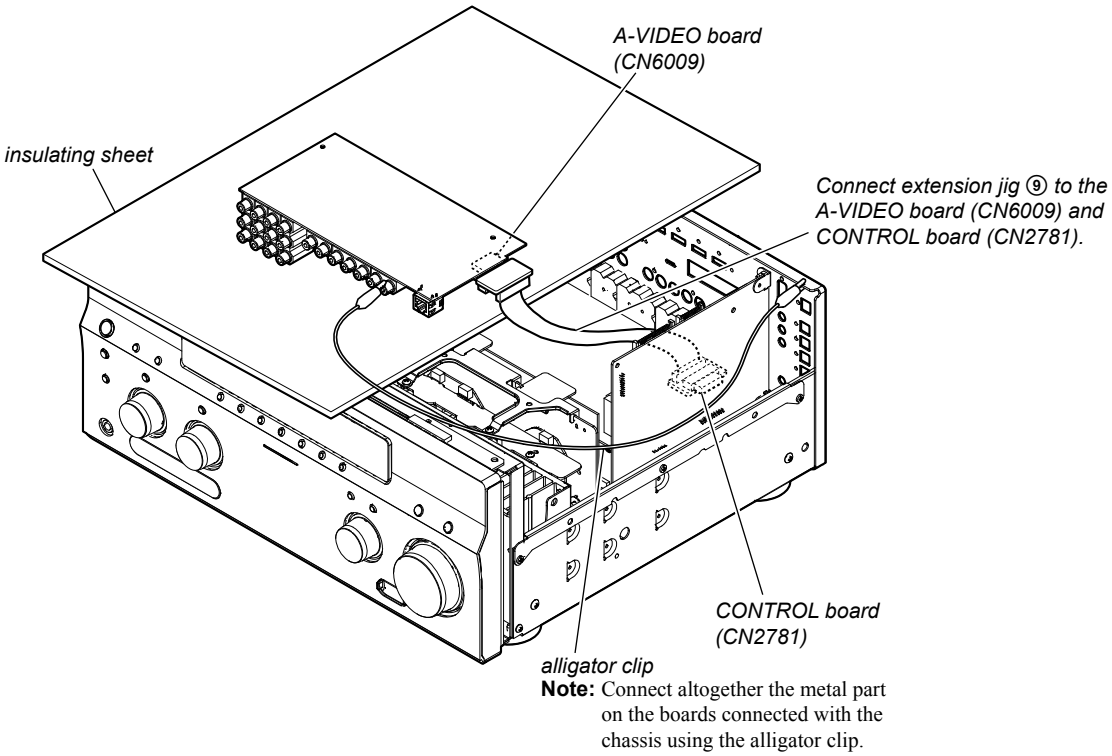
Jig No.	Jig Name	Part No.	Pitch (mm)	Cores	Remark
⑧	1.25_26_M	J-2501-348-A	1.25	26	For CONTROL Board (CN2801, CN2826)
	1.25_26_F				For NETWORK Board (CN1103, CN1104)
	FFC cable 26P	J-2501-365-A			Length 300 mm



A-VIDEO BOARD SERVICE POSITION

• Please connect following extension jig.

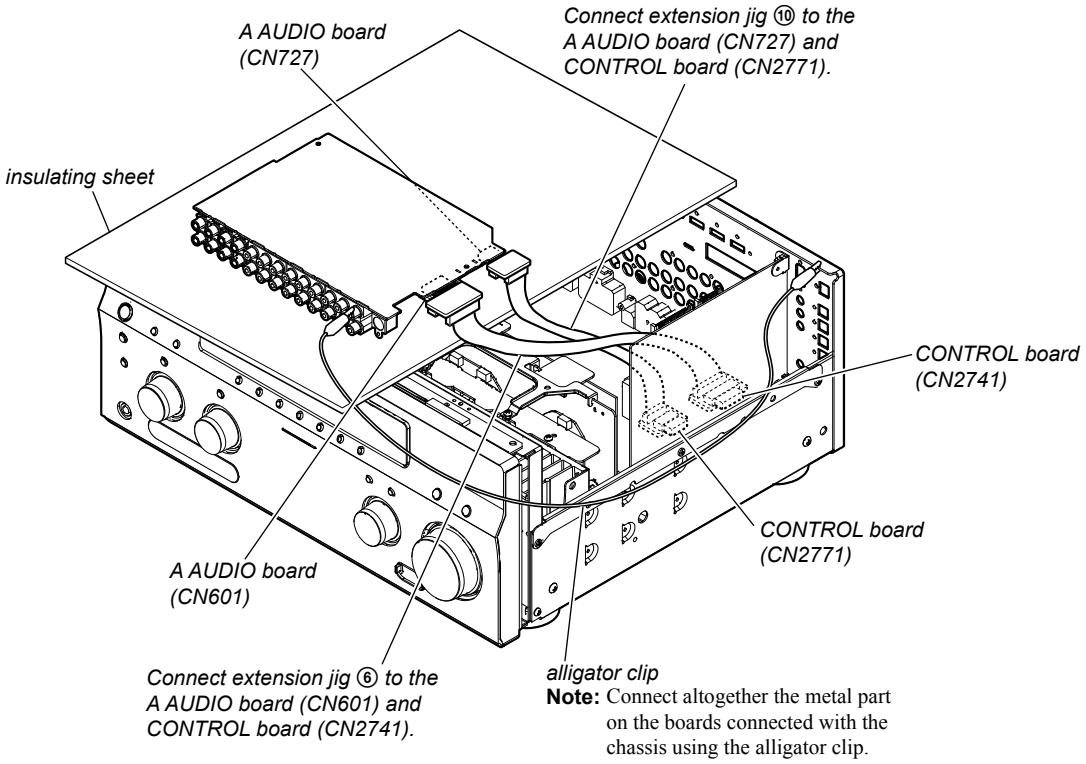
Jig No.	Jig Name	Part No.	Pitch (mm)	Cores	Remark
⑨	1.25_16_M	J-2501-347-A	1.25	16	For CONTROL Board (CN2781)
	1.25_16_F				For A-VIDEO Board (CN6009)
	FFC cable 16P	J-2501-362-A			Length 300 mm



A AUDIO BOARD SERVICE POSITION

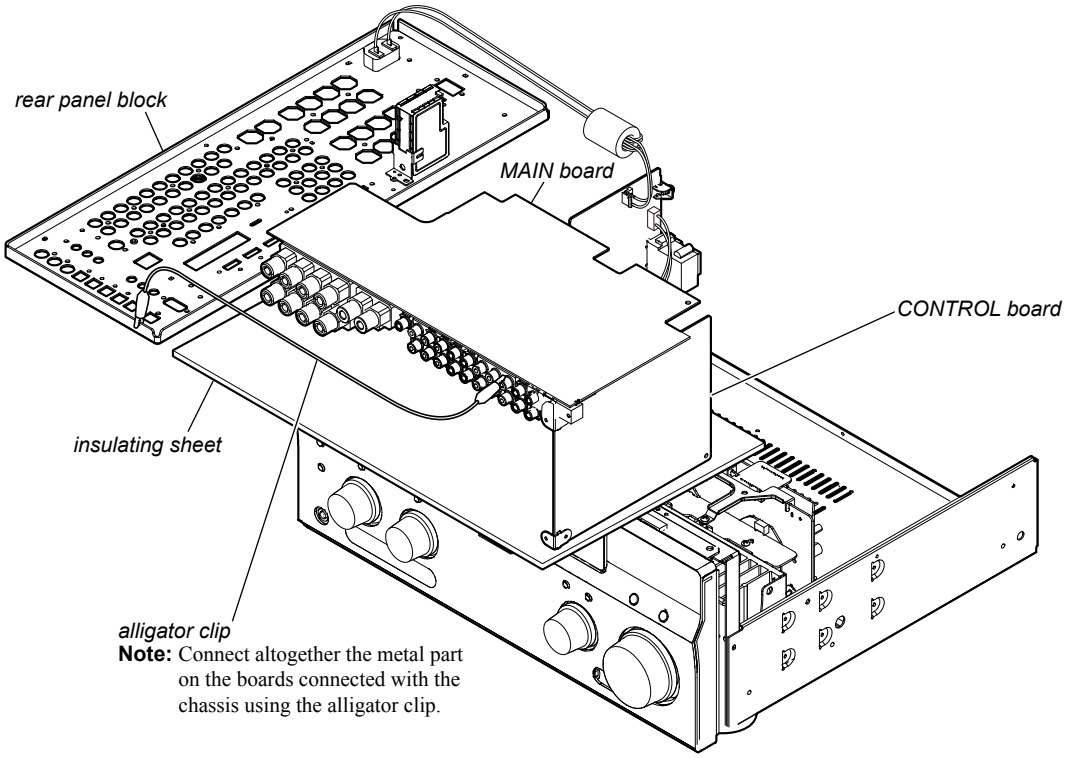
• Please connect following extension jig.

Jig No.	Jig Name	Part No.	Pitch (mm)	Cores	Remark
⑥	1.25_20_M	J-2501-345-A	1.25	20	For CONTROL Board (CN2741)
	1.25_20_F				For A AUDIO Board (CN601)
	FFC cable 20P	J-2501-363-A			Length 300 mm
⑩	2.0_7_M	J-2501-346-A	2.0	7	For CONTROL Board (CN2771)
	2.0_7_F				For A AUDIO Board (CN727)
	FFC cable 8P	J-2501-360-A			Length 300 mm



Note: Connect altogether the metal part on the boards connected with the chassis using the alligator clip.

MAIN BOARD SERVICE POSITION

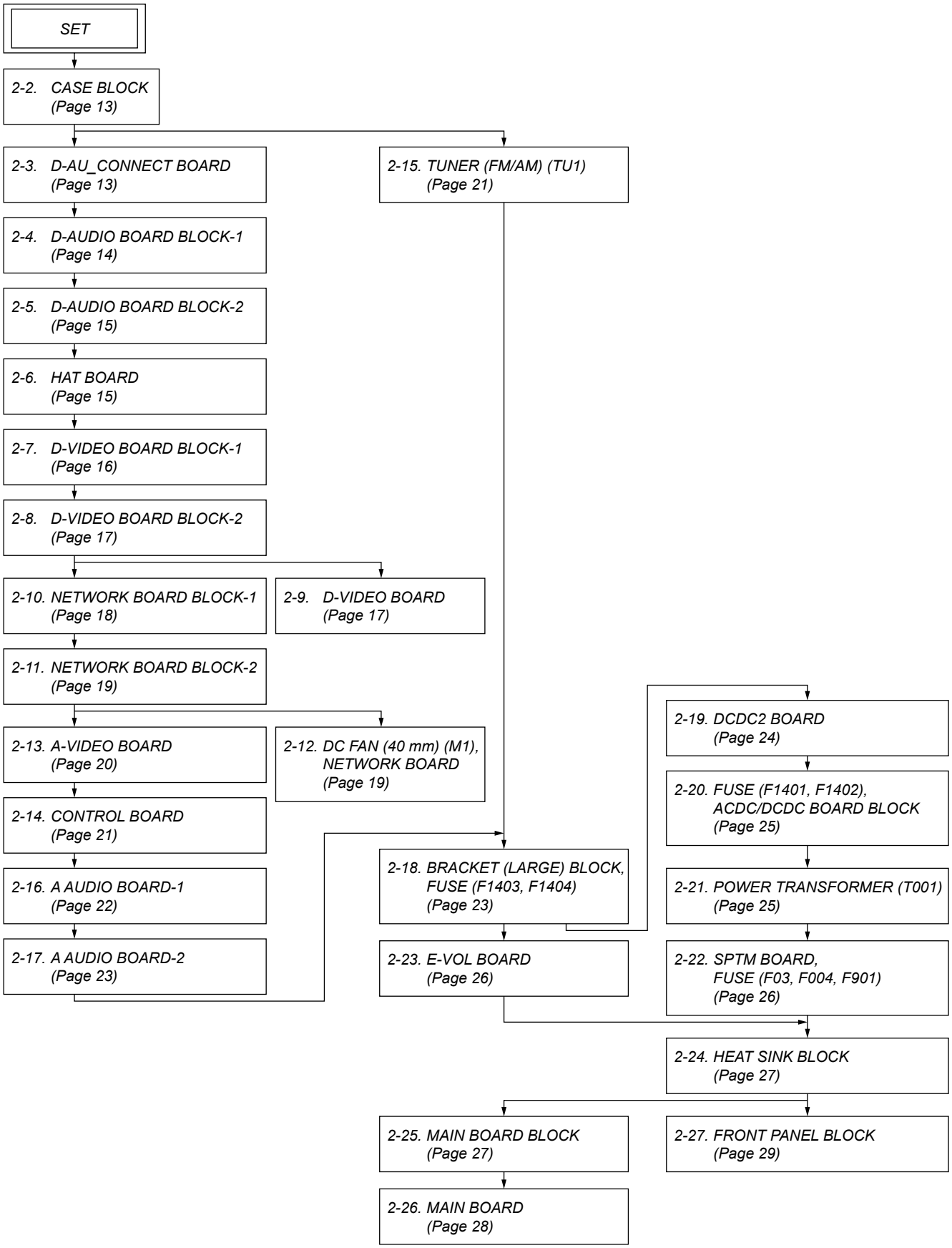


Note: Connect altogether the metal part on the boards connected with the chassis using the alligator clip.

SECTION 2
DISASSEMBLY

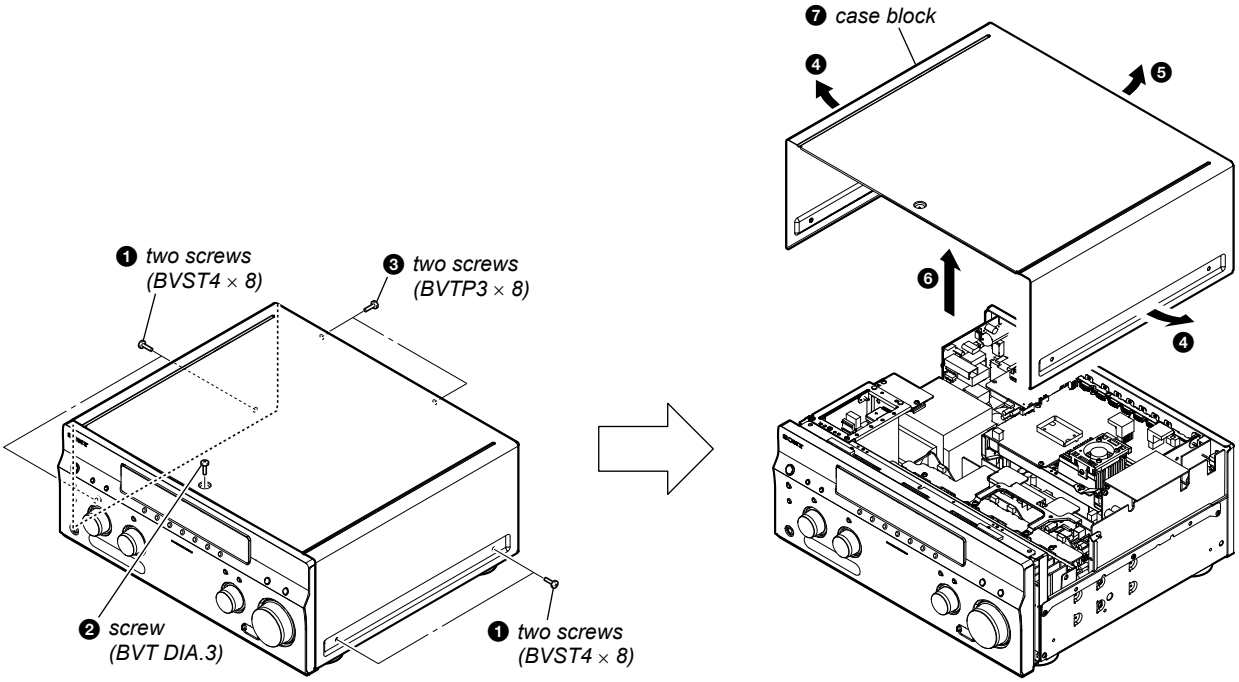
- This set can be disassembled in the order shown below.

2-1. DISASSEMBLY FLOW



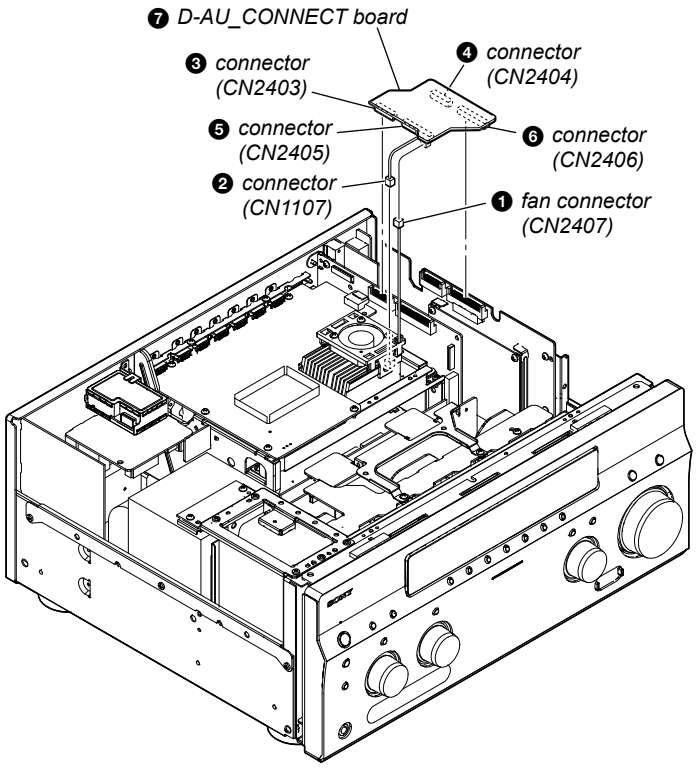
Note: Follow the disassembly procedure in the numerical order given.

2-2. CASE BLOCK



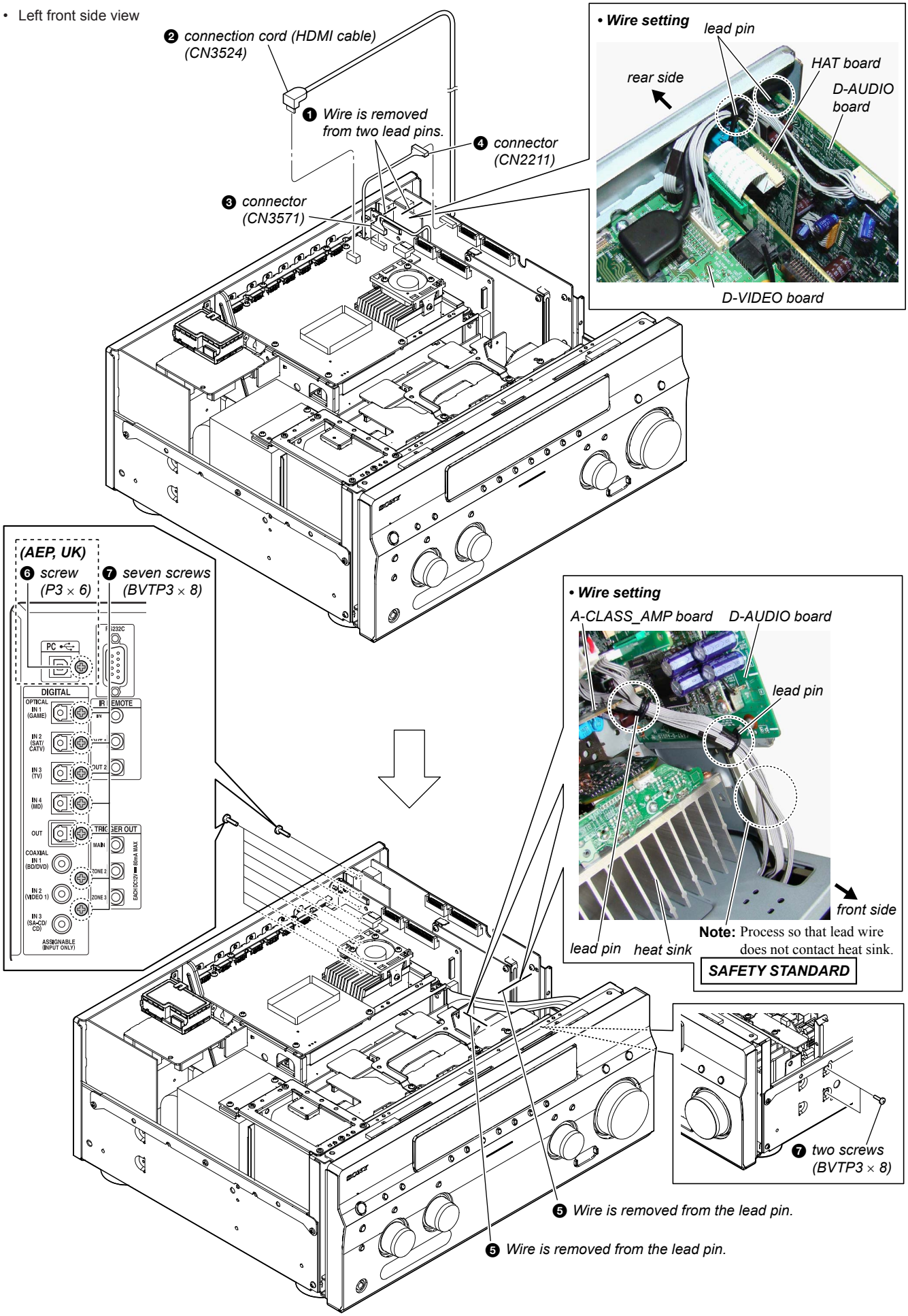
2-3. D-AU_CONNECT BOARD

• Left front side view



2-4. D-AUDIO BOARD BLOCK-1

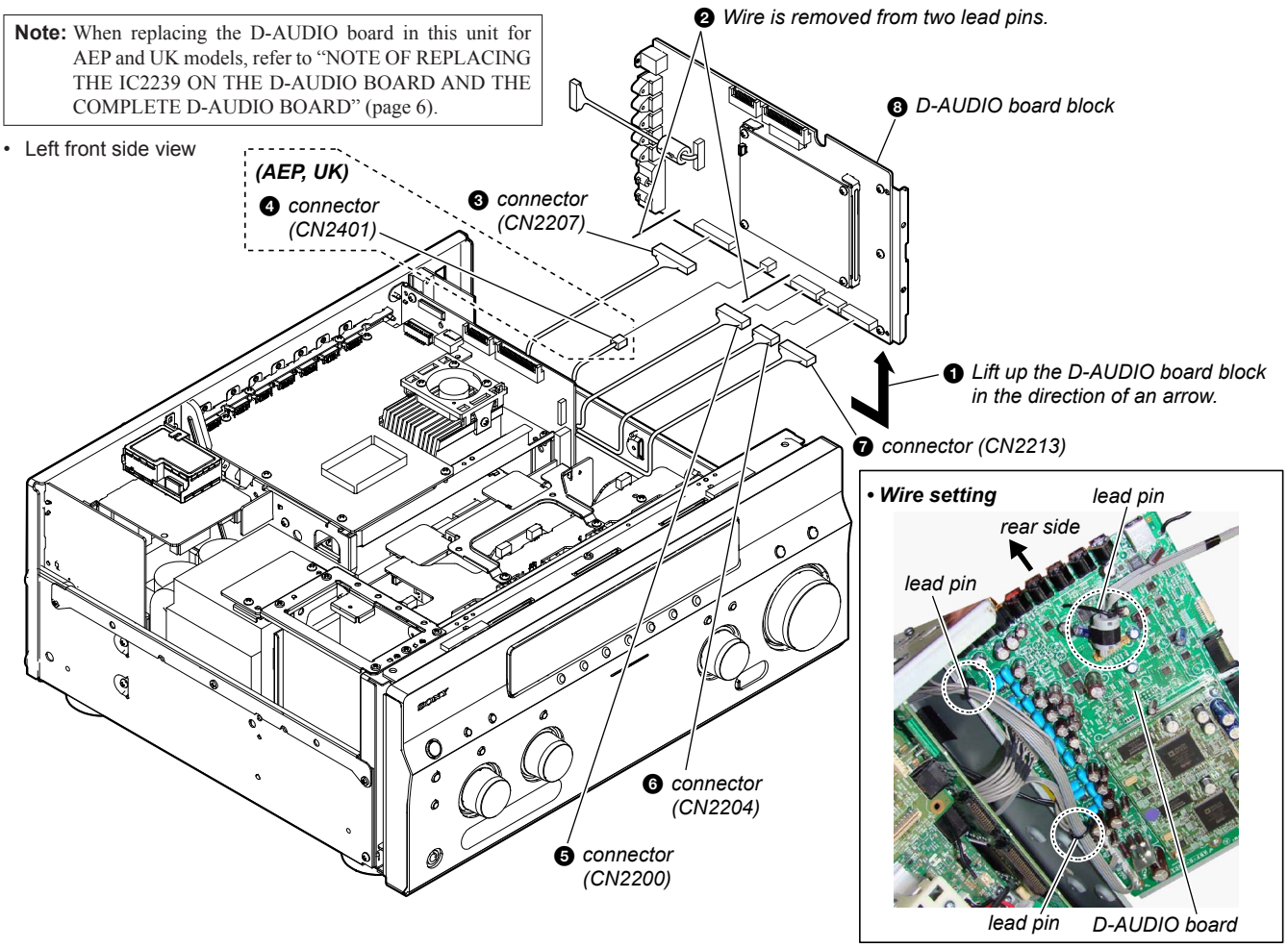
- Left front side view



2-5. D-AUDIO BOARD BLOCK-2

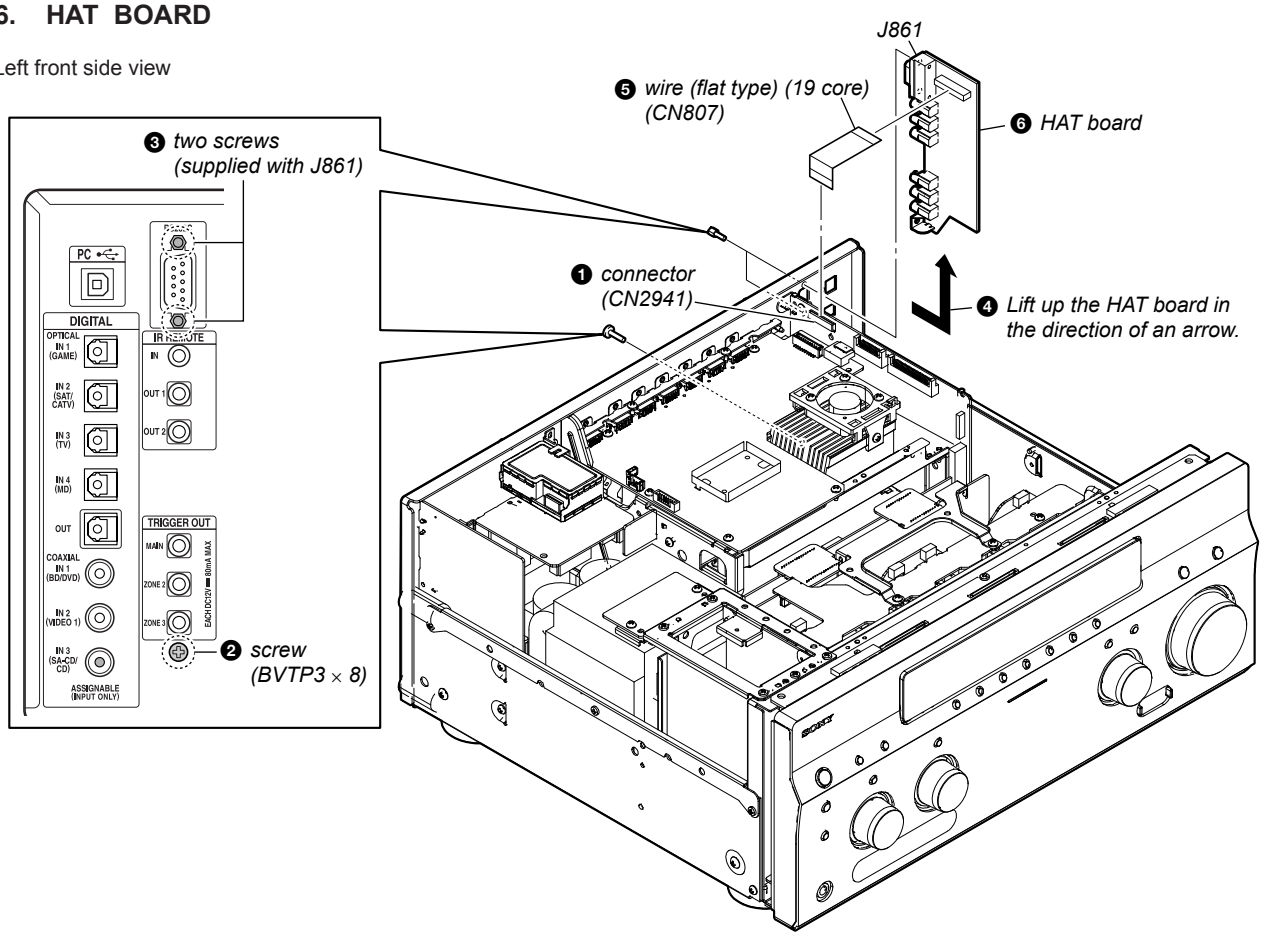
Note: When replacing the D-AUDIO board in this unit for AEP and UK models, refer to "NOTE OF REPLACING THE IC2239 ON THE D-AUDIO BOARD AND THE COMPLETE D-AUDIO BOARD" (page 6).

• Left front side view

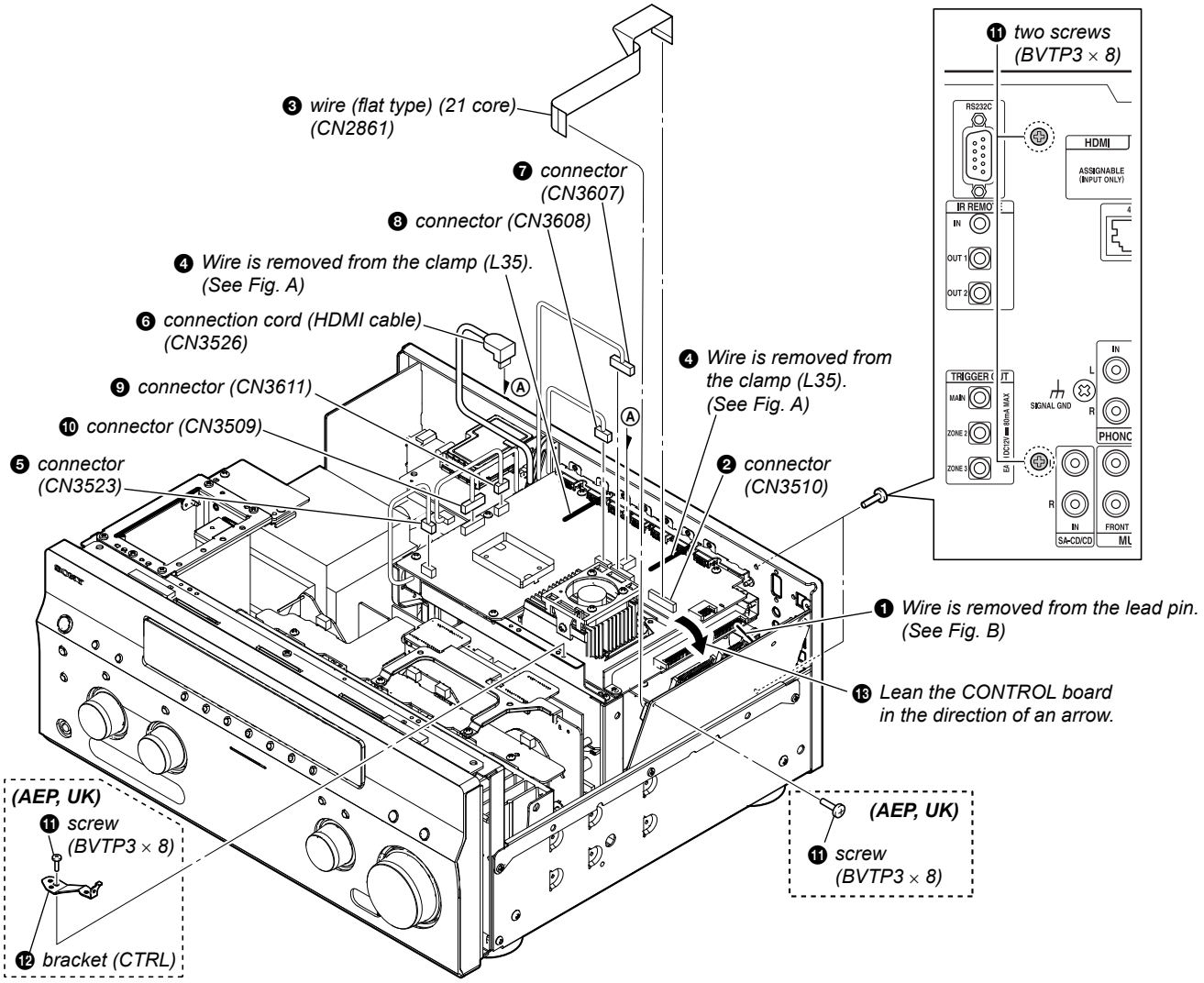


2-6. HAT BOARD

• Left front side view

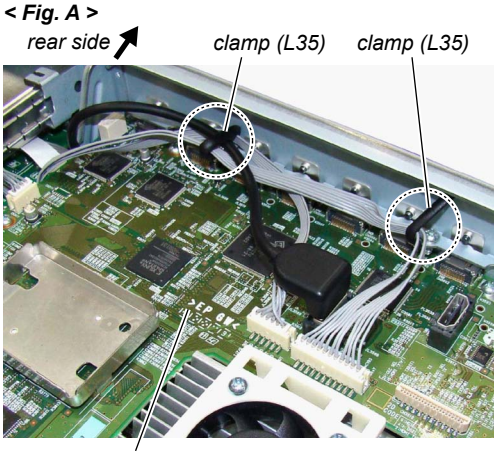


2-7. D-VIDEO BOARD BLOCK-1

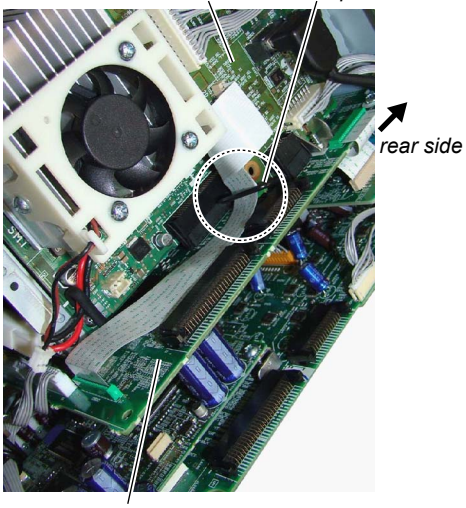


• ***Wire setting***

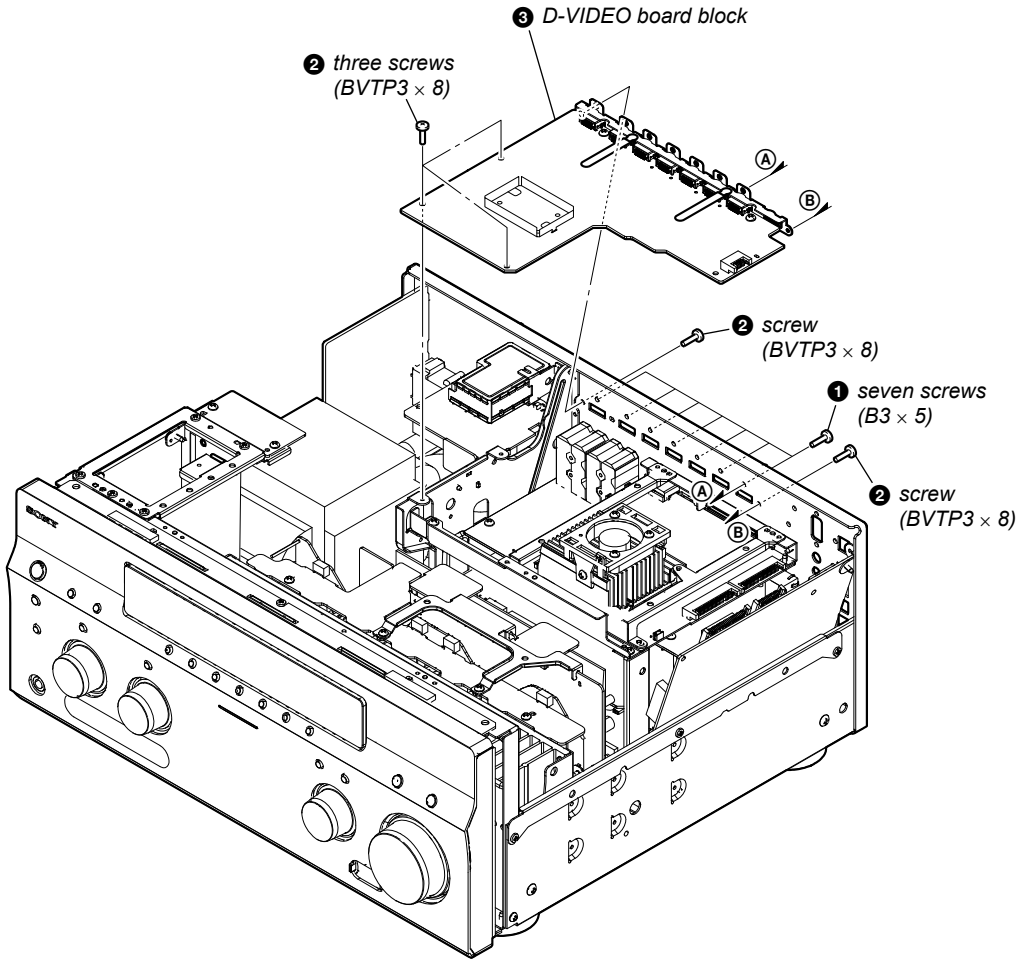
< Fig. A >



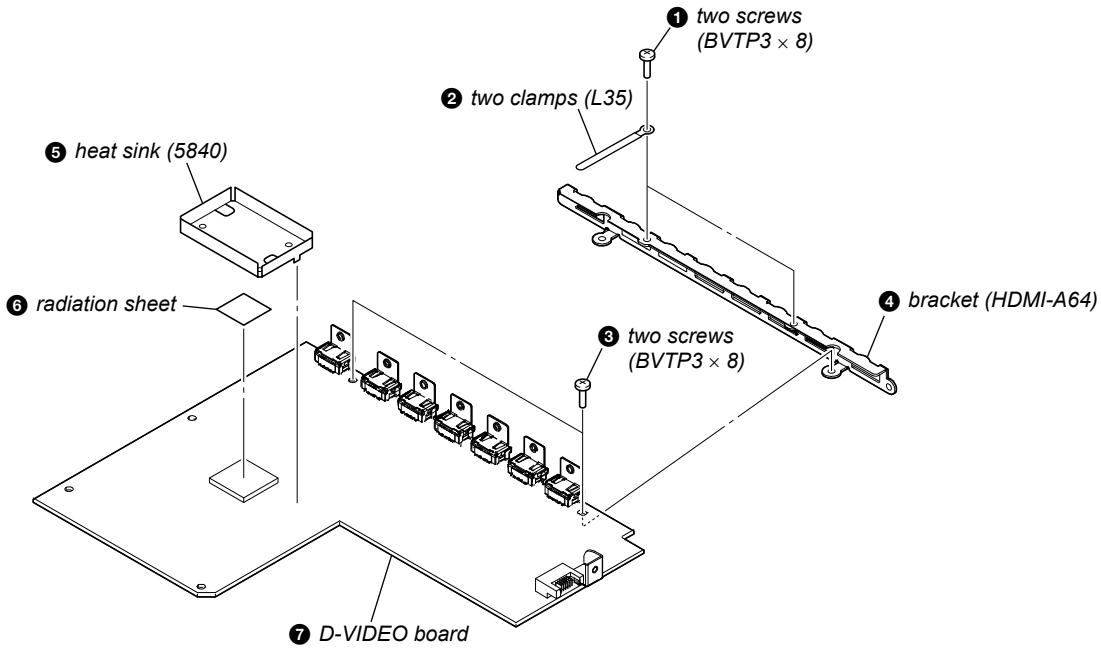
< Fig. B >



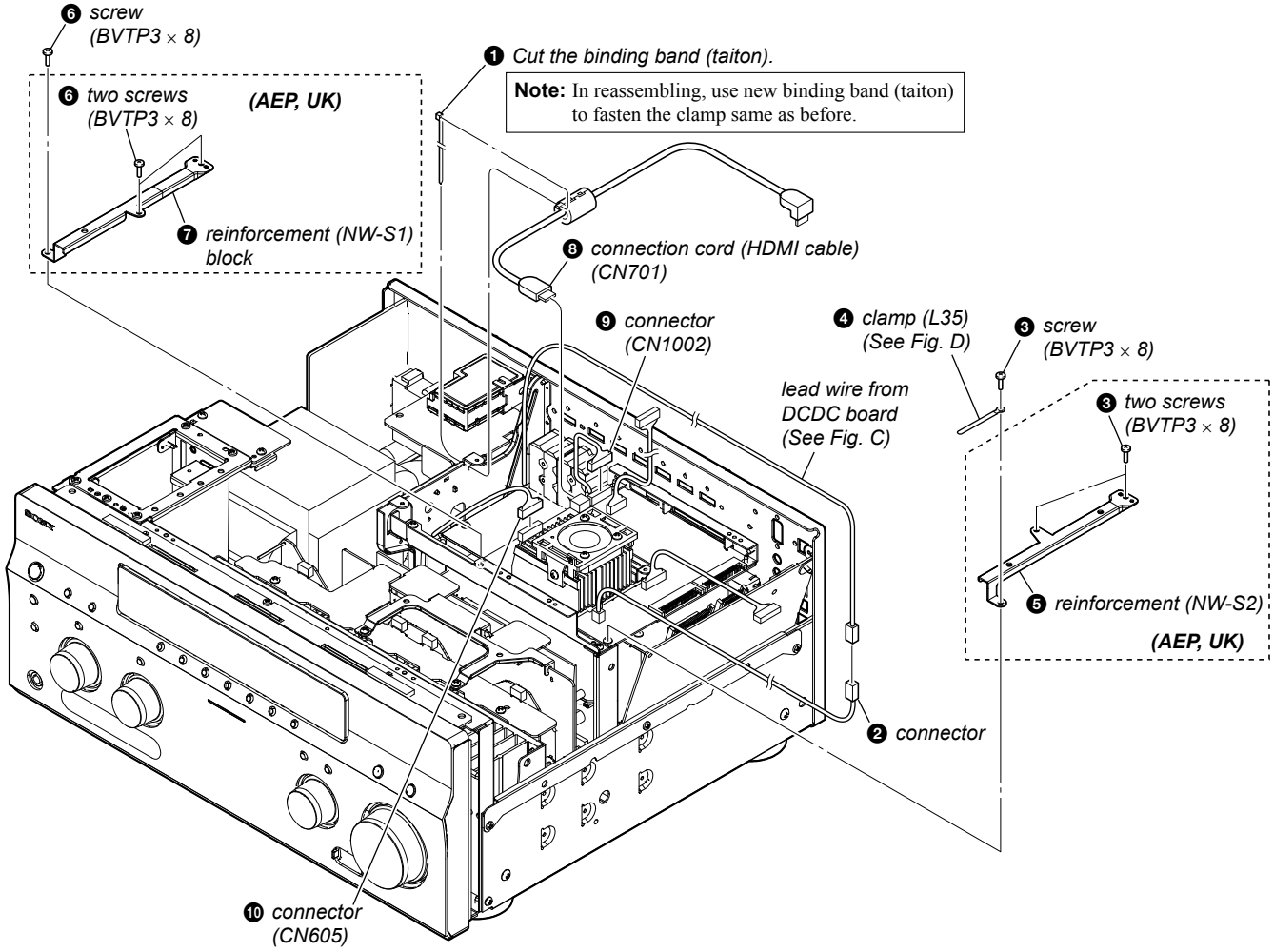
2-8. D-VIDEO BOARD BLOCK-2



2-9. D-VIDEO BOARD

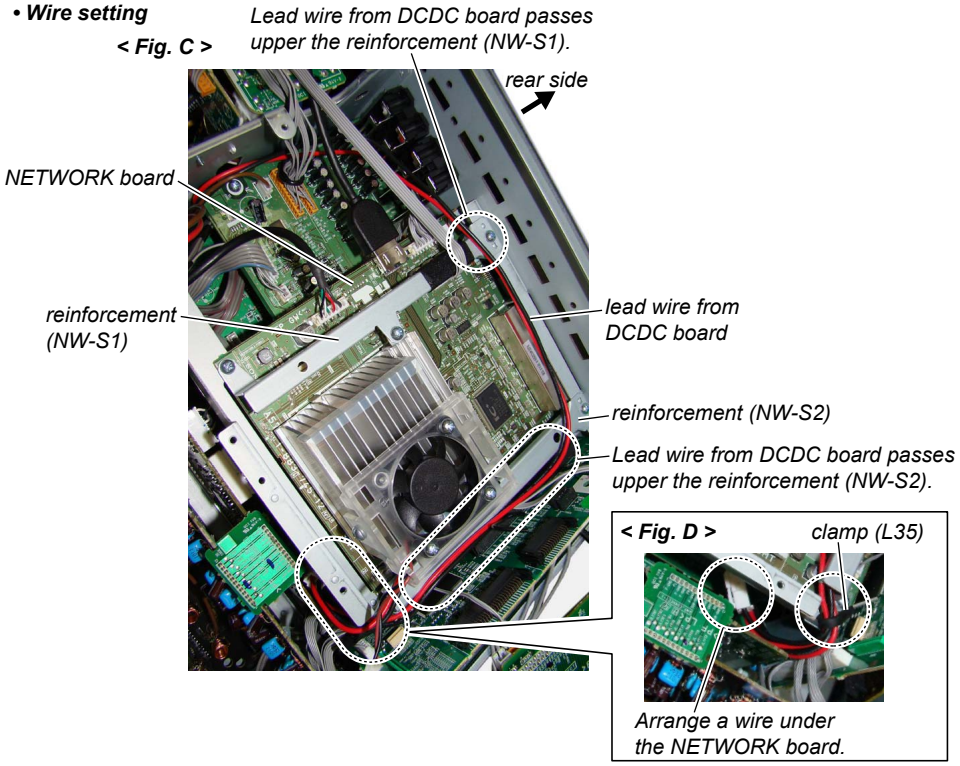


2-10. NETWORK BOARD BLOCK-1



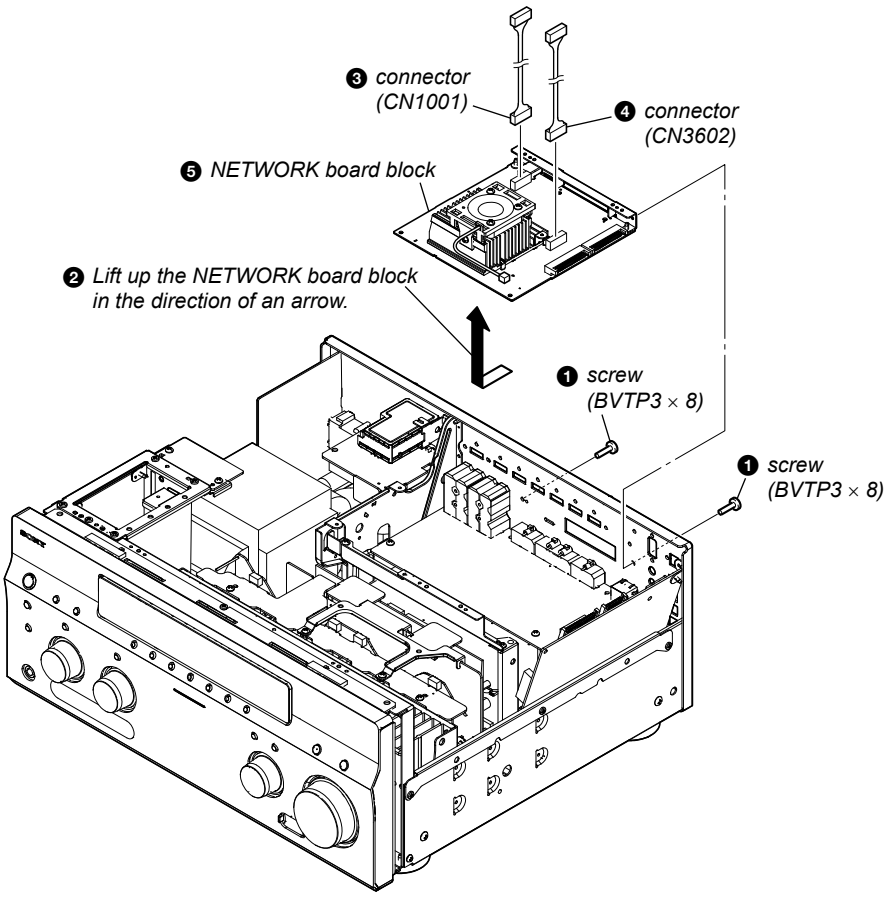
• Wire setting

< Fig. C >

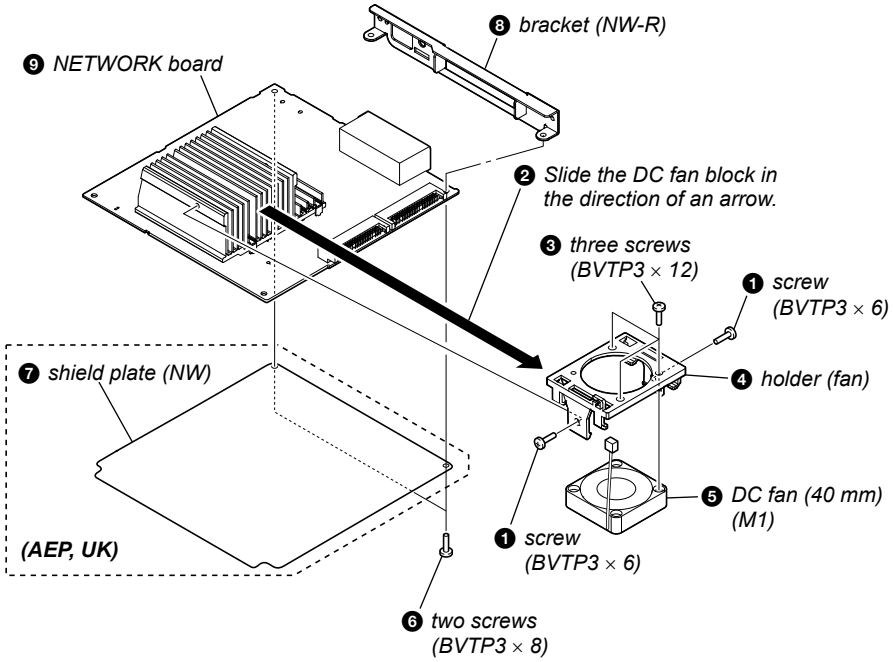


< Fig. D >

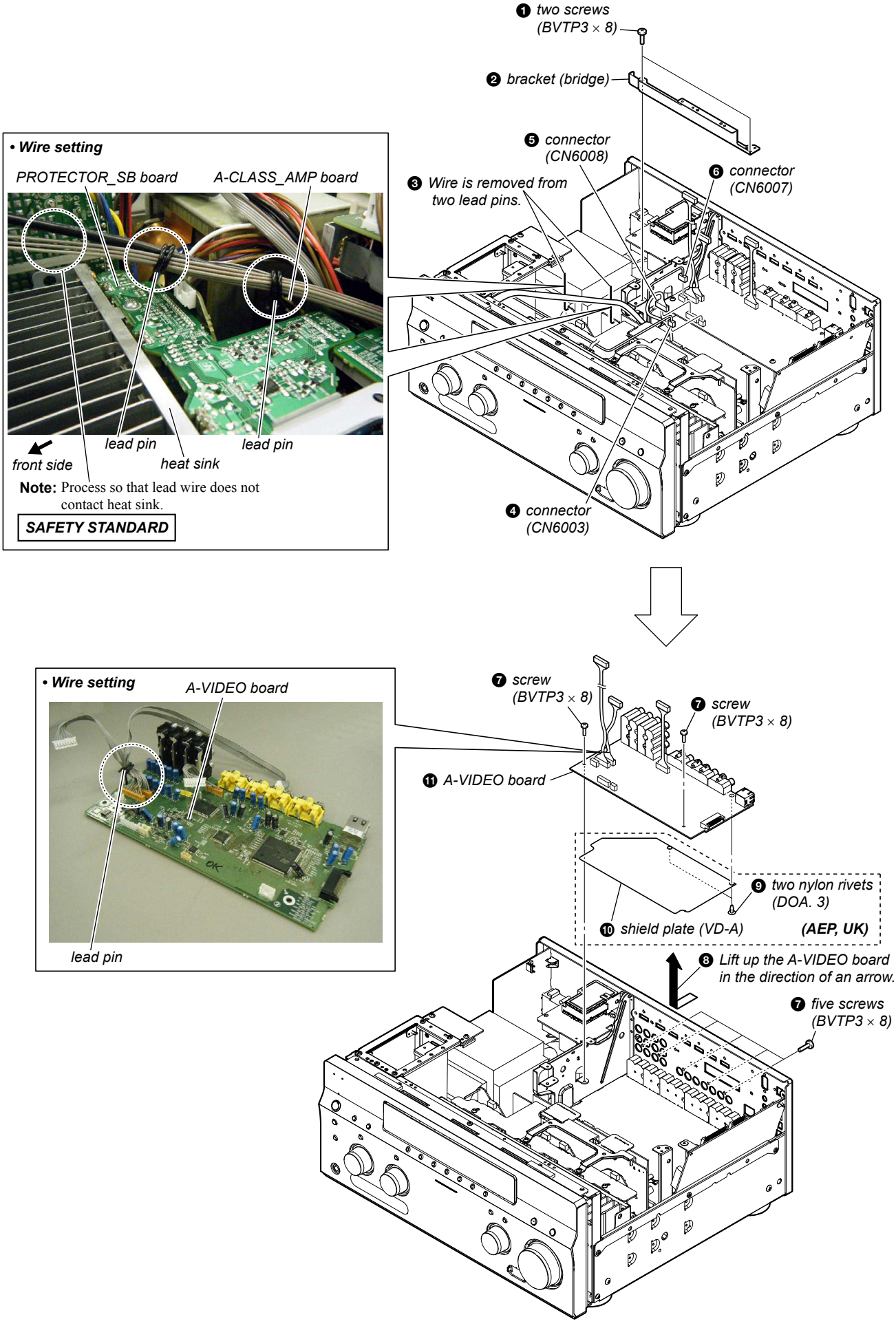
2-11. NETWORK BOARD BLOCK-2



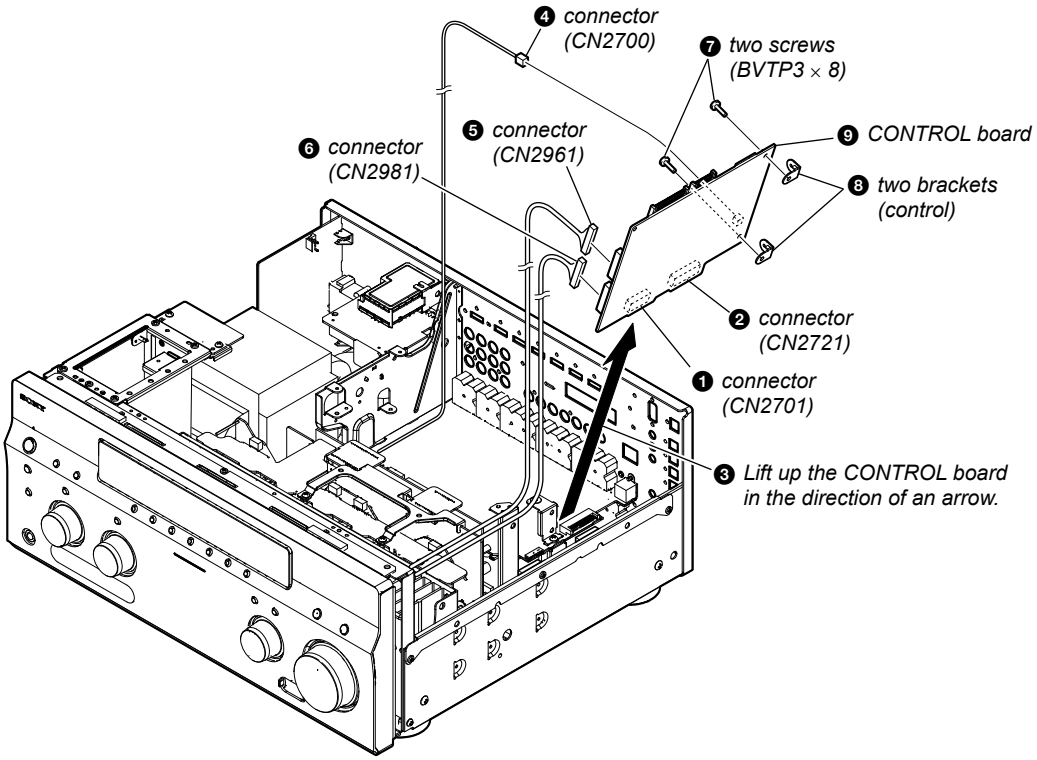
2-12. DC FAN (40 mm) (M1), NETWORK BOARD



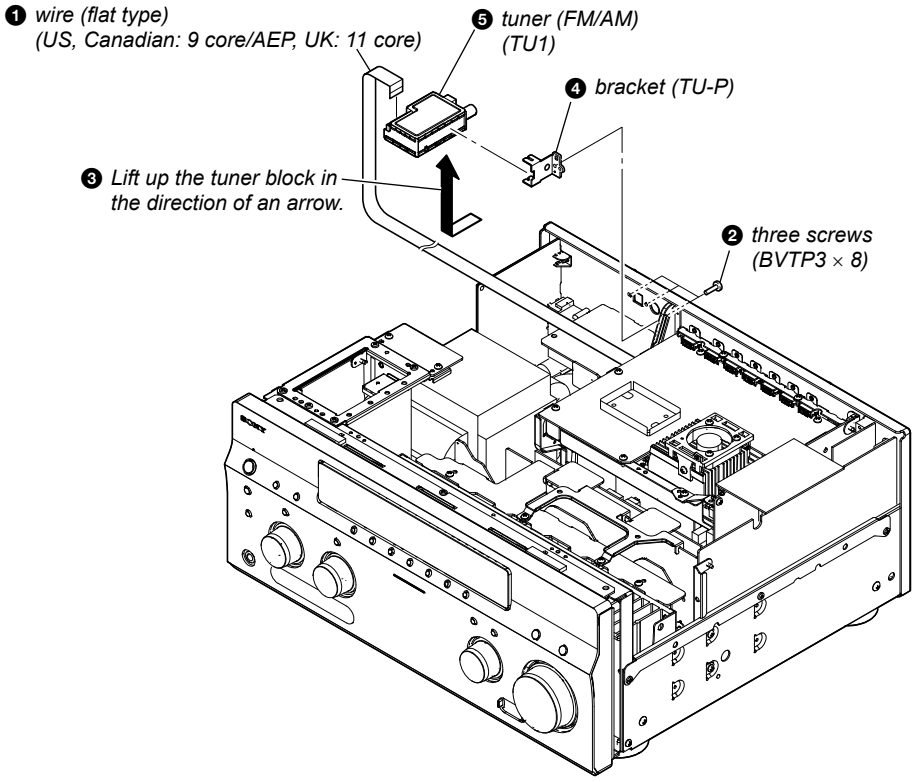
2-13. A-VIDEO BOARD



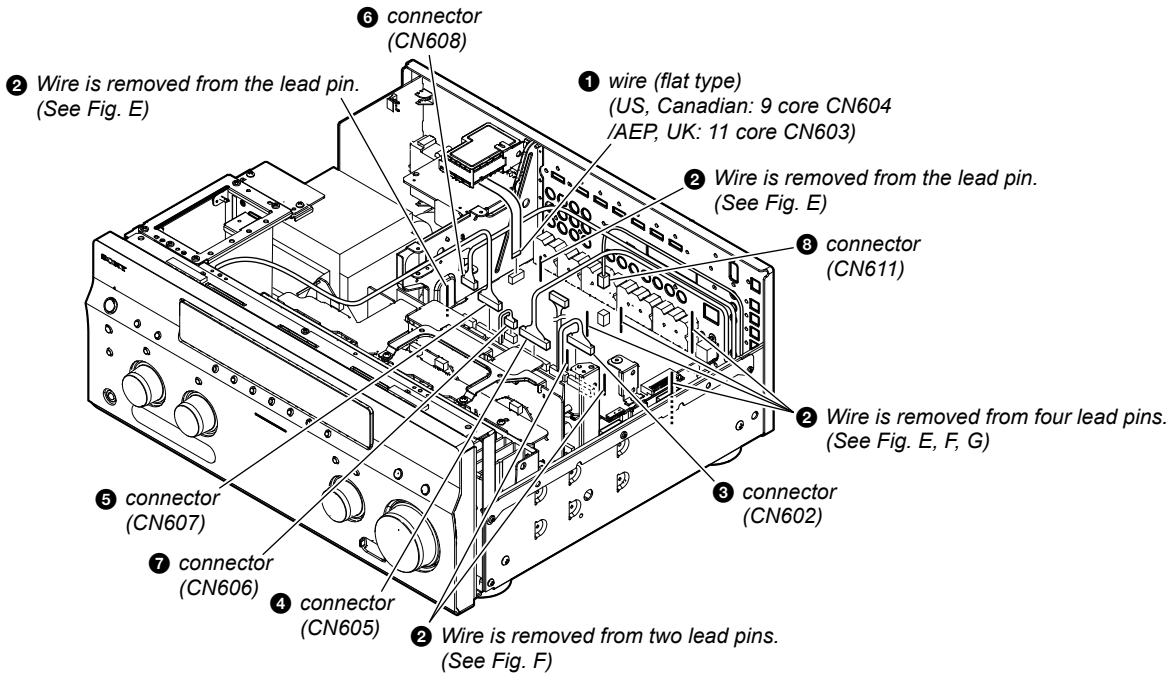
2-14. CONTROL BOARD



2-15. TUNER (FM/AM) (TU1)

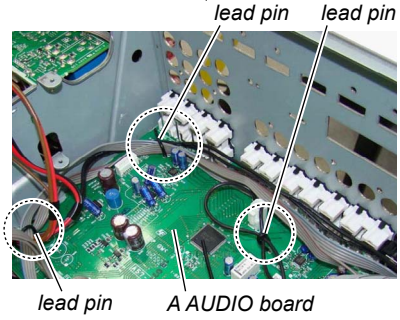


2-16. A AUDIO BOARD-1

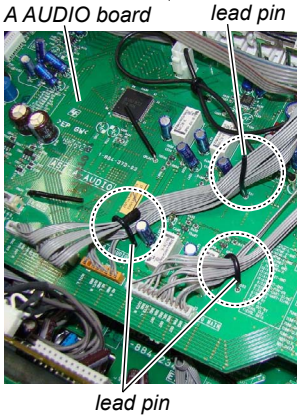


• Wire setting

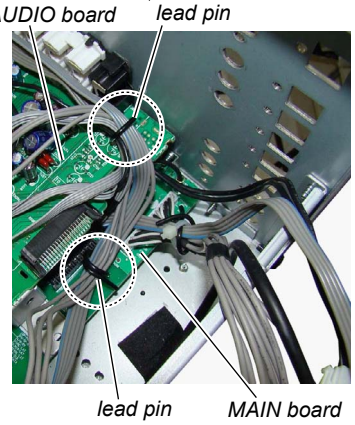
< Fig. E >



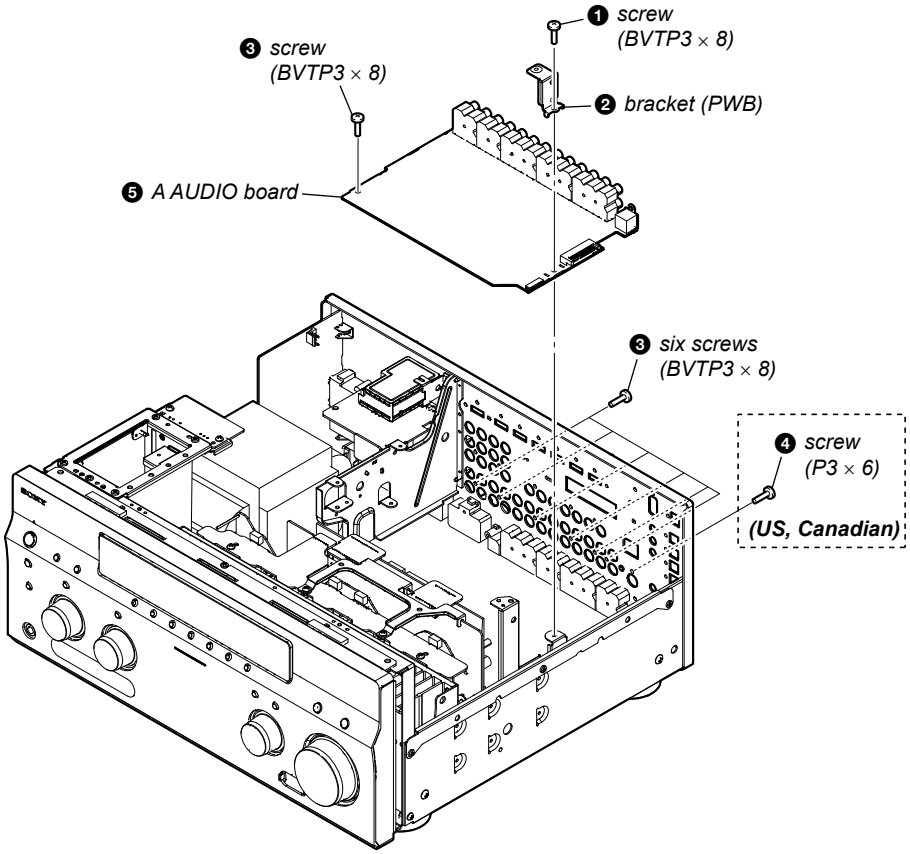
< Fig. F >



< Fig. G >

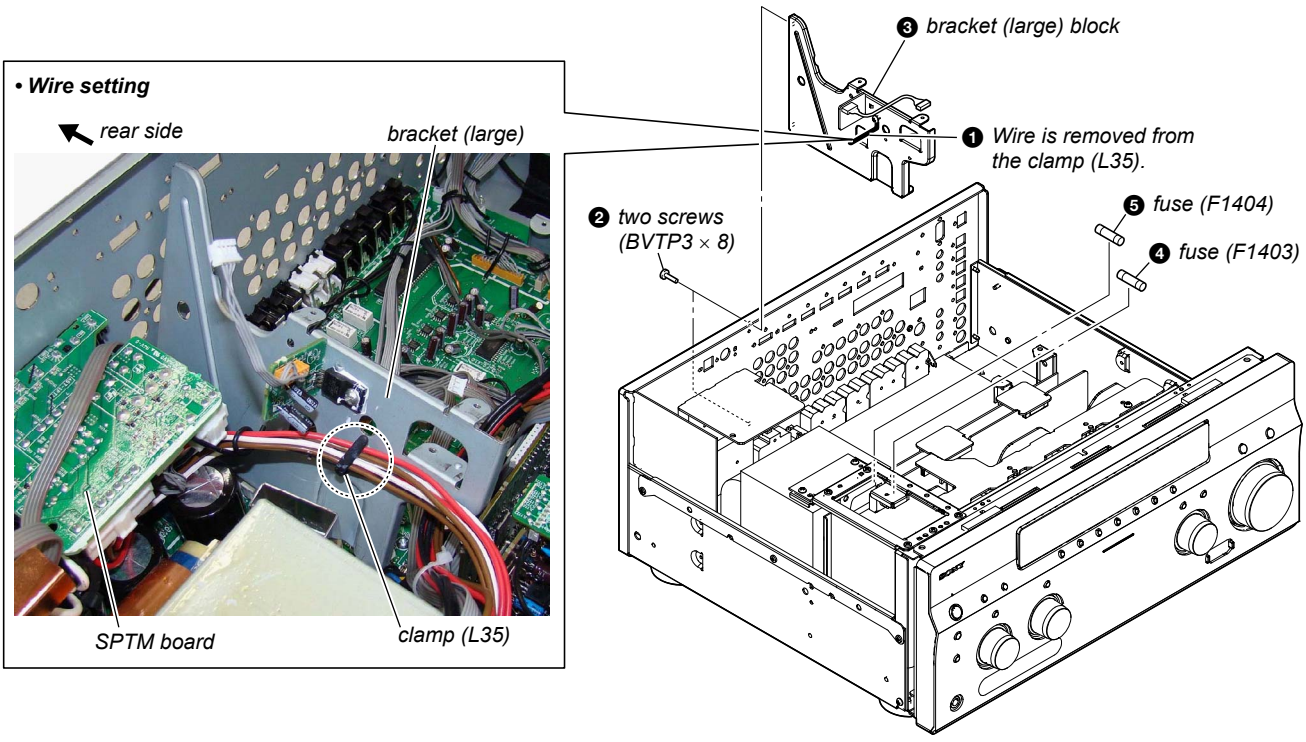


2-17. A AUDIO BOARD-2



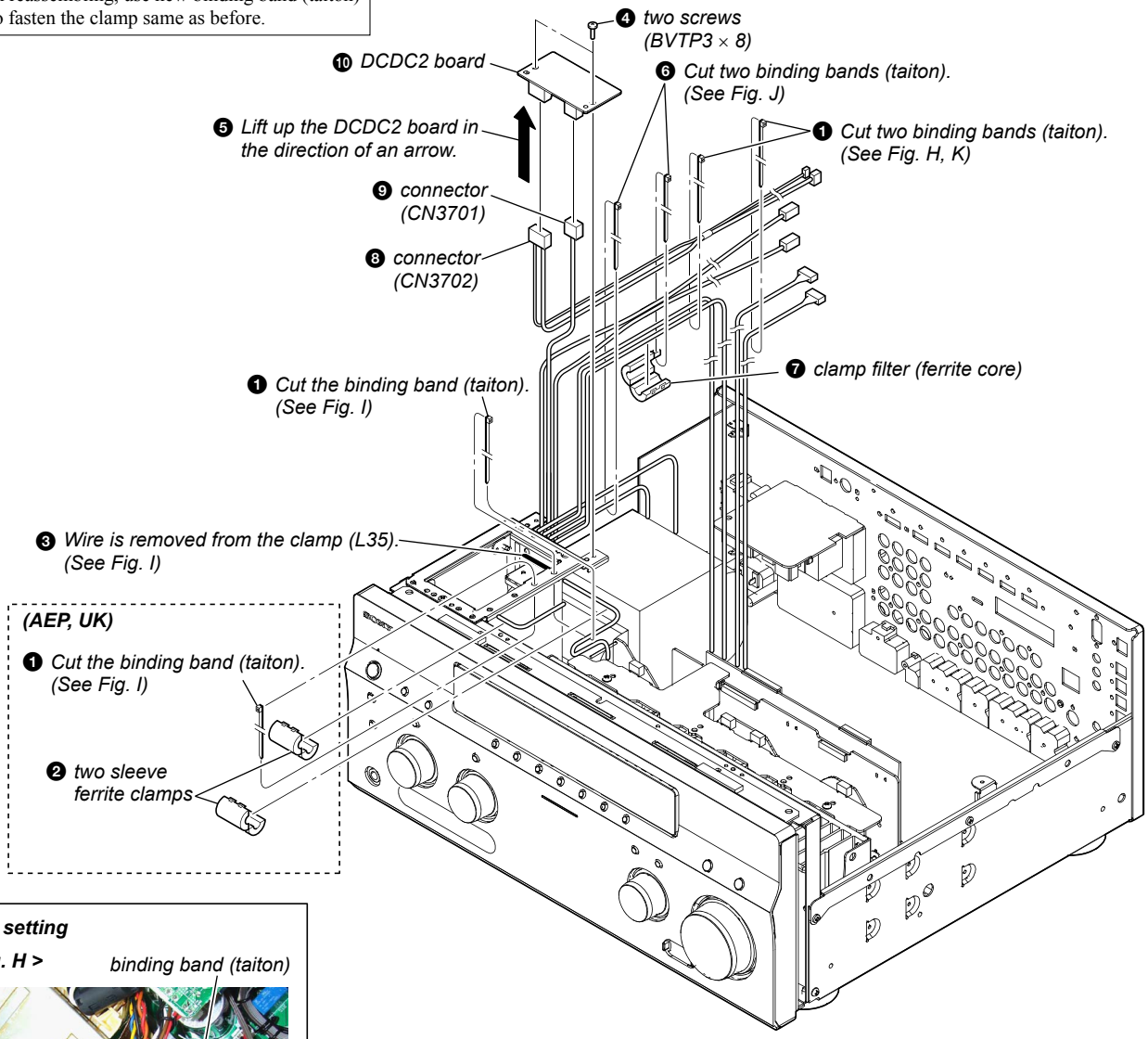
2-18. BRACKET (LARGE) BLOCK, FUSE (F1403, F1404)

- Left front side view



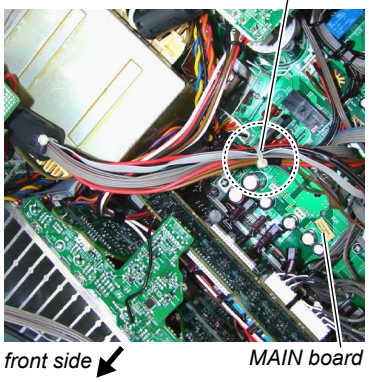
2-19. DCDC2 BOARD

Note: In reassembling, use new binding band (taiton) to fasten the clamp same as before.

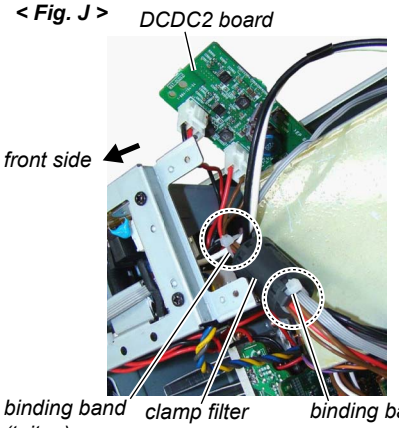


• ***Wire setting***

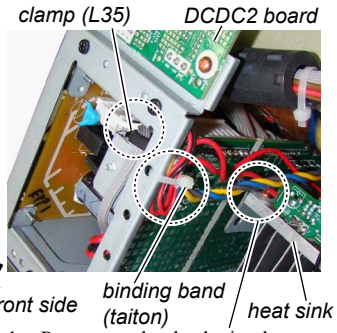
< Fig. H >



< Fig. J >



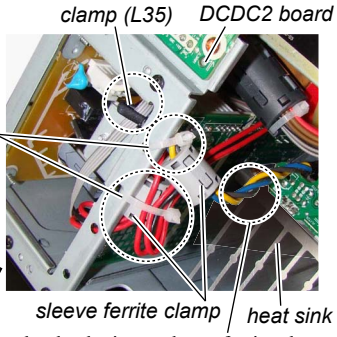
< Fig. I > ***(US, Canadian)***



Note: Process so that lead wire does not contact heat sink.

SAFETY STANDARD

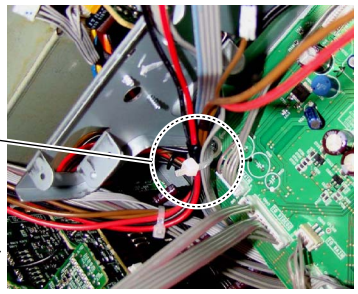
< Fig. I > ***(AEP, UK)***



Note: Process so that lead wire or sleeve ferrite clamp does not contact heat sink.

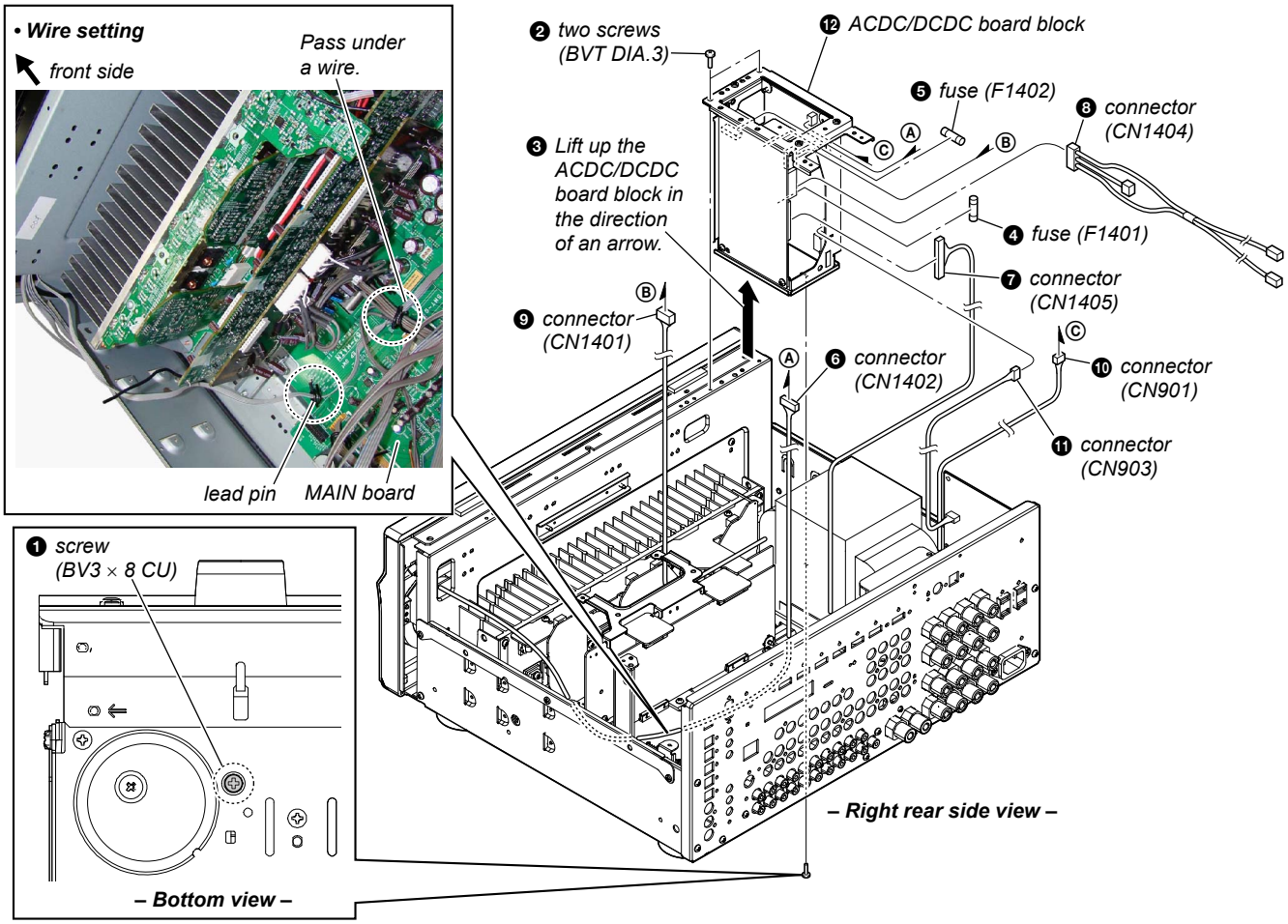
SAFETY STANDARD

< Fig. K >

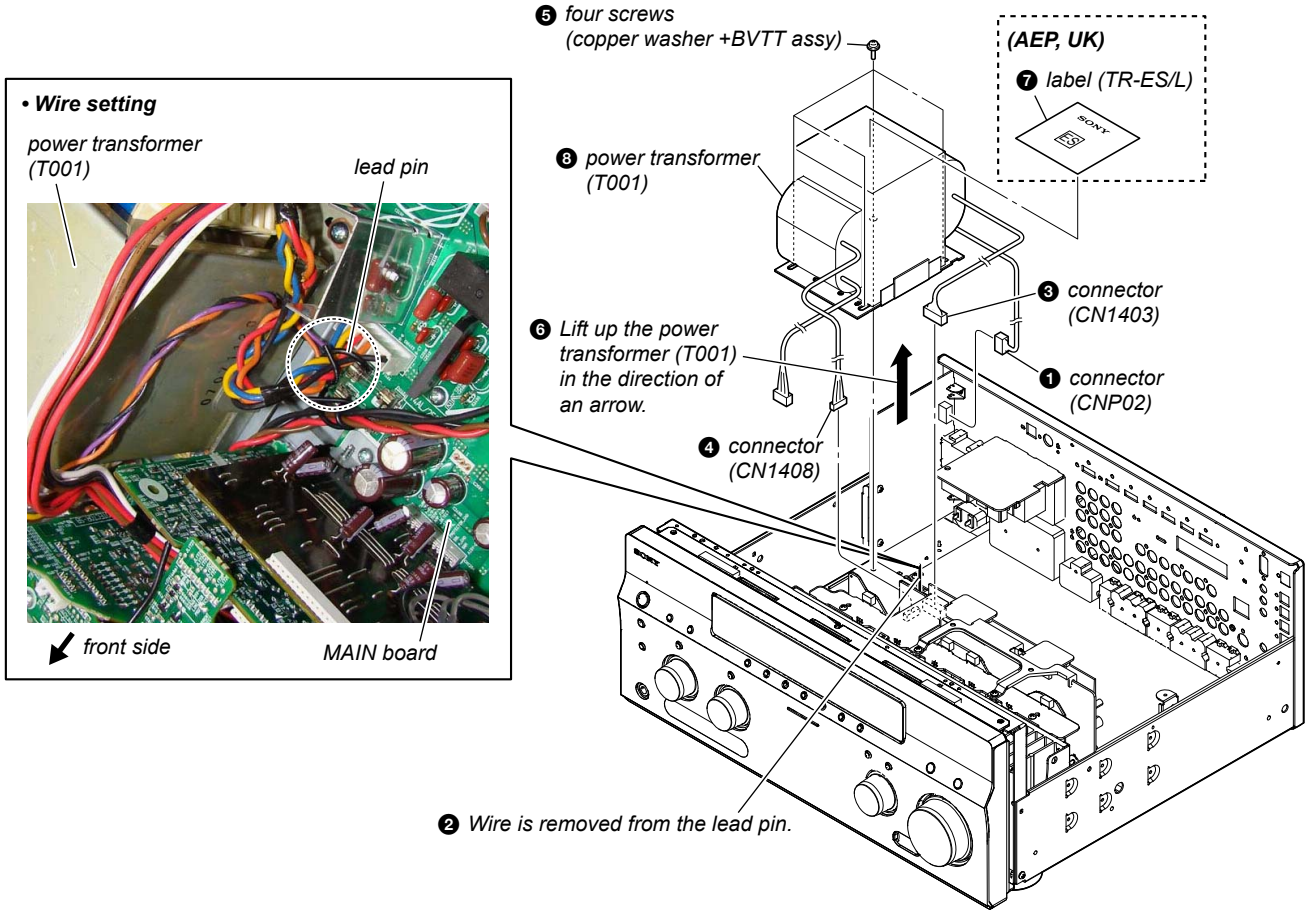


2-20. FUSE (F1401, F1402), ACDC/DCDC BOARD BLOCK

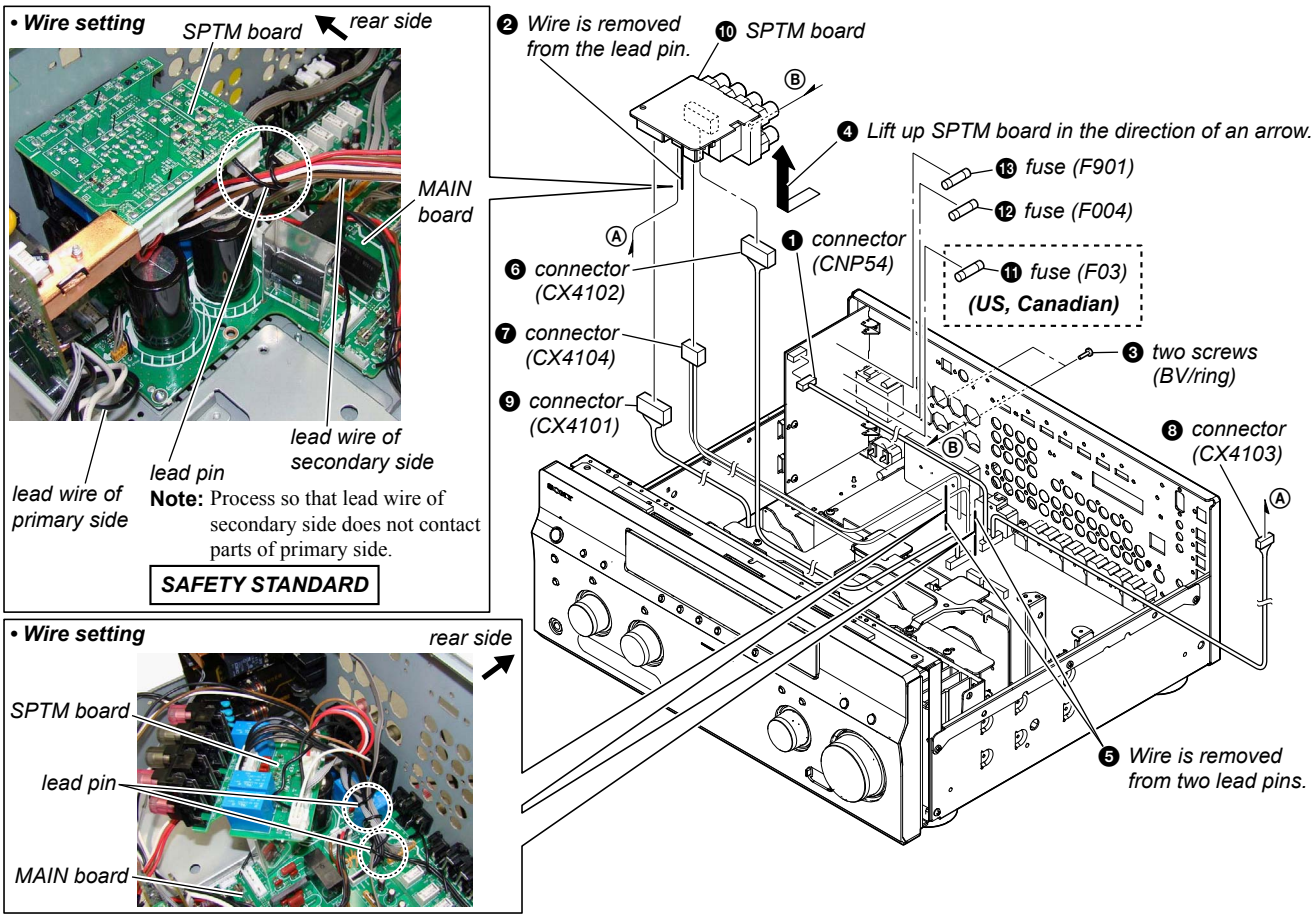
- Right rear side view



2-21. POWER TRANSFORMER (T001)

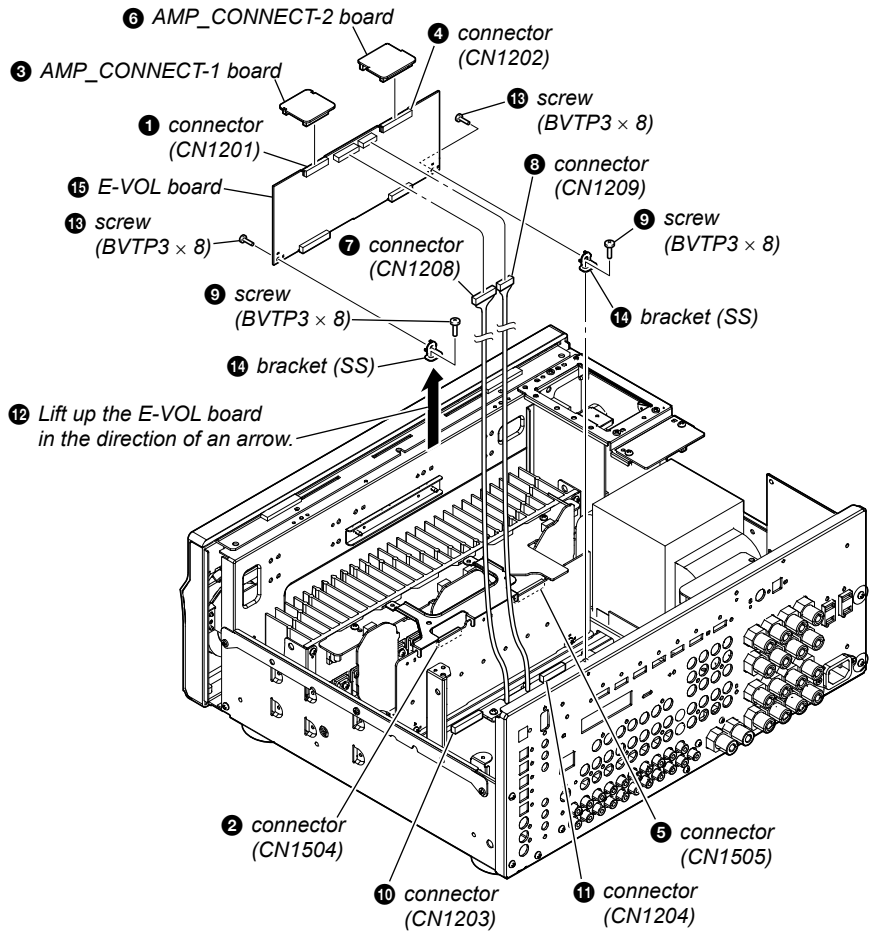


2-22. SPTM BOARD, FUSE (F03, F004, F901)

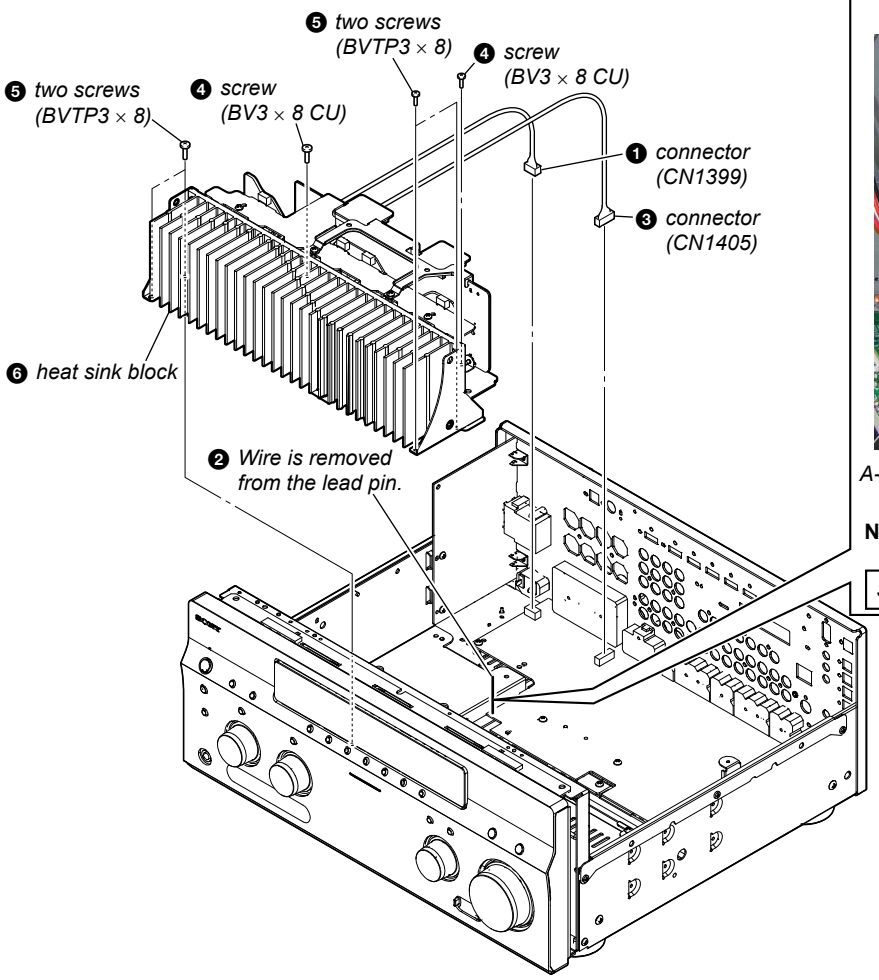


2-23. E-VOL BOARD

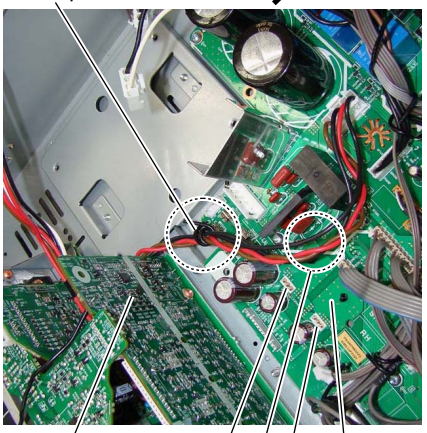
• Right rear side view



2-24. HEAT SINK BLOCK



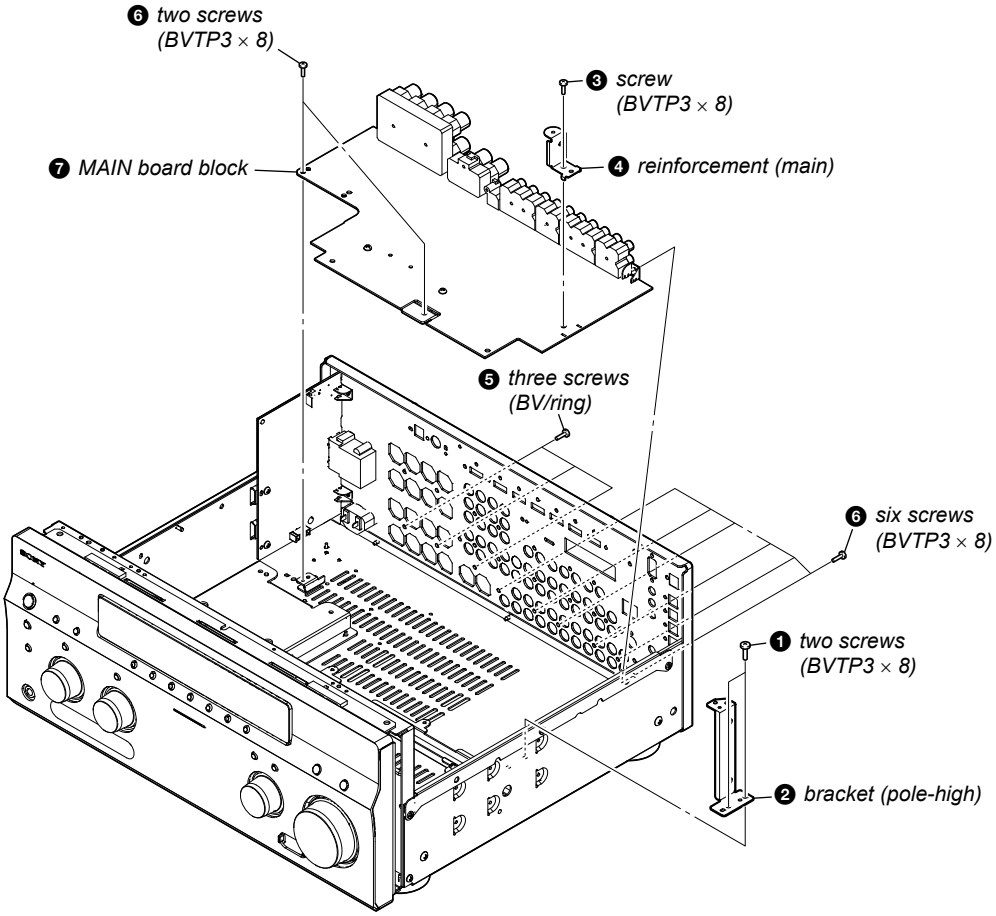
• ***Wire setting***



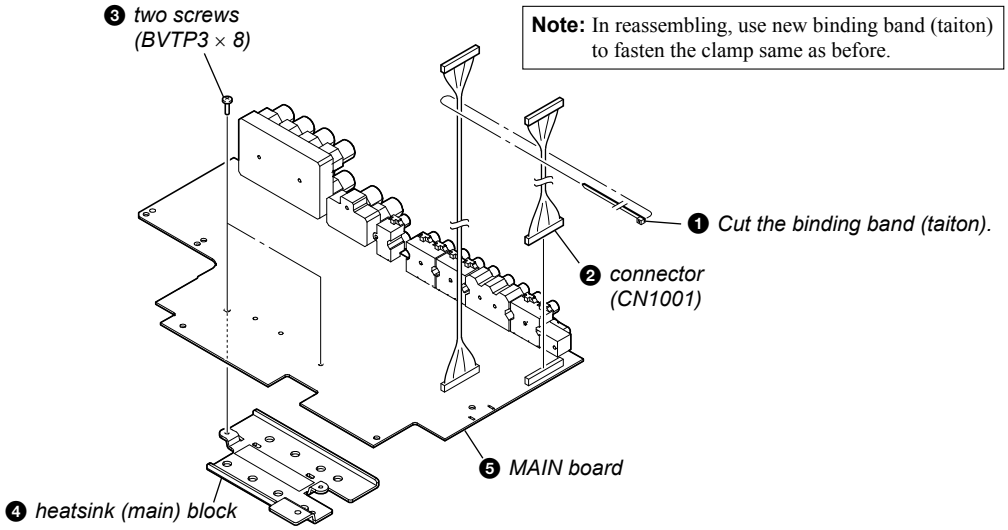
Note: Clamp so that lead wire does not contact terminals of IC2490 or IC2491.

SAFETY STANDARD

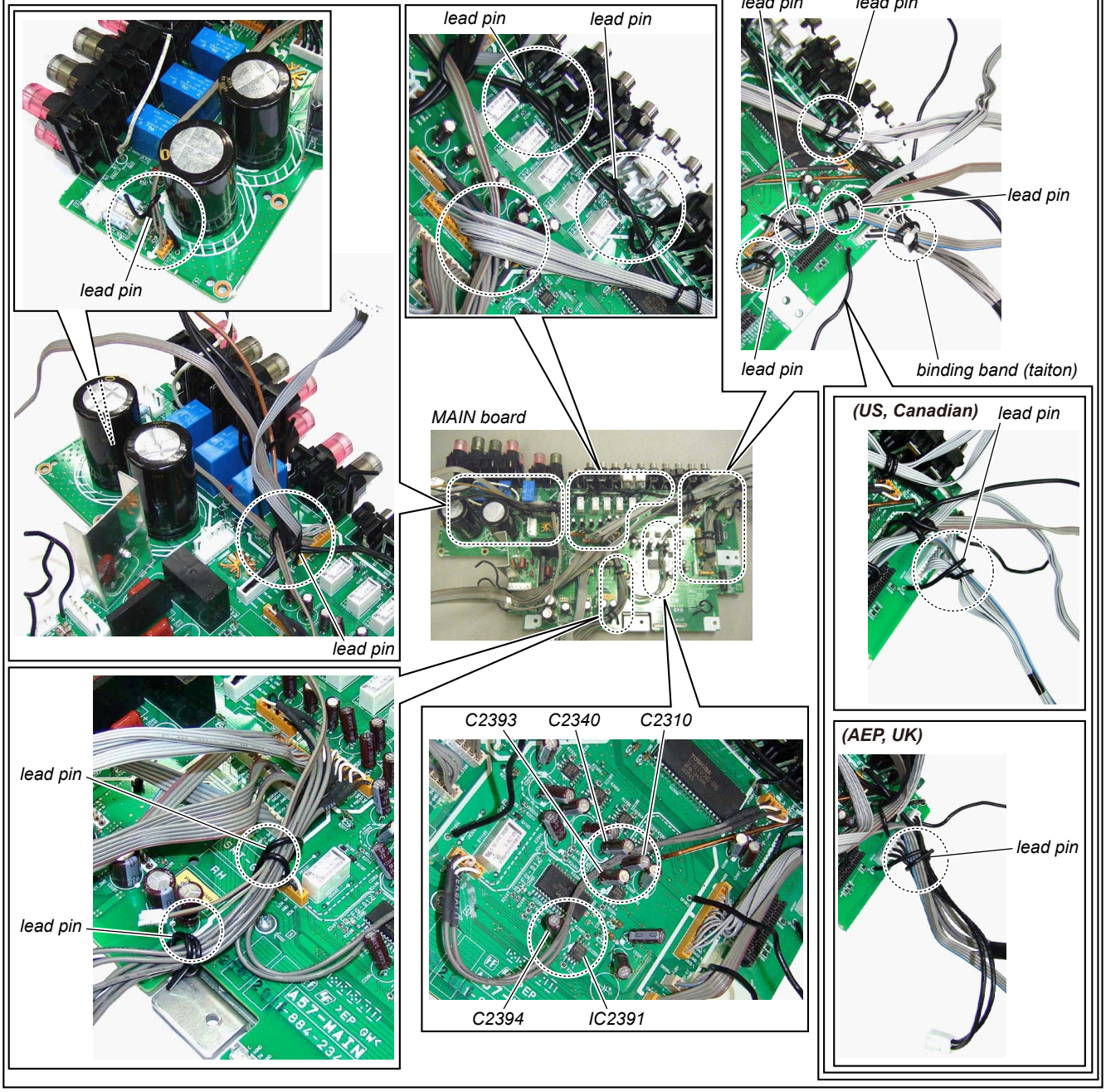
2-25. MAIN BOARD BLOCK



2-26. MAIN BOARD

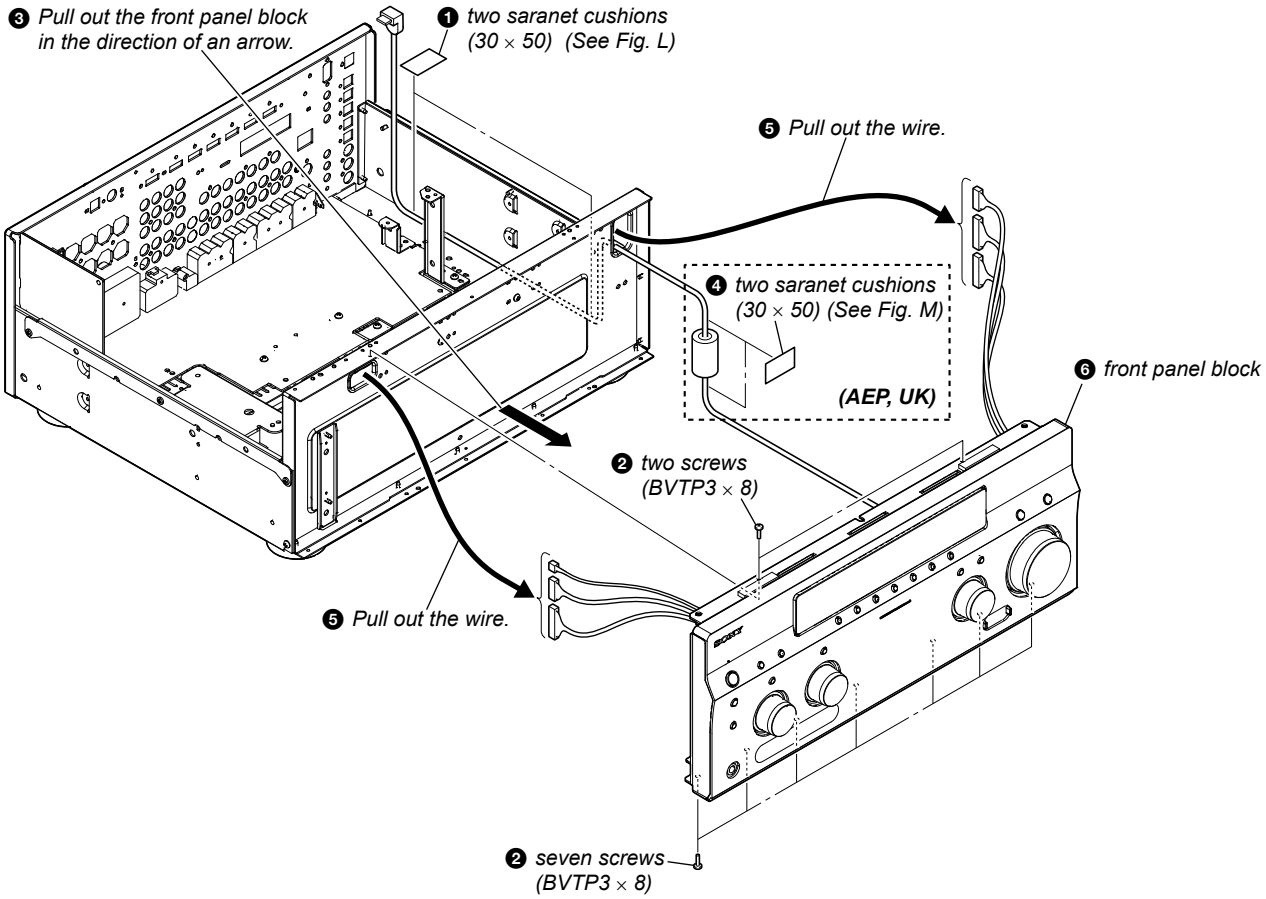


• **Wire setting**

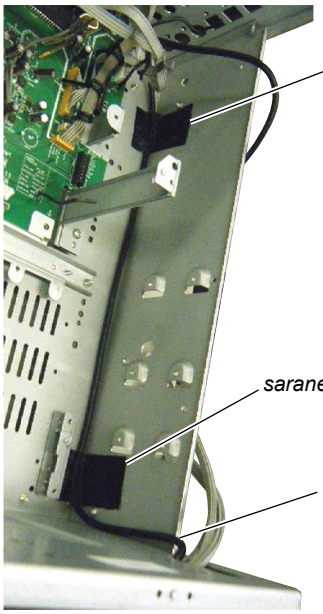


2-27. FRONT PANEL BLOCK

- Left front side view



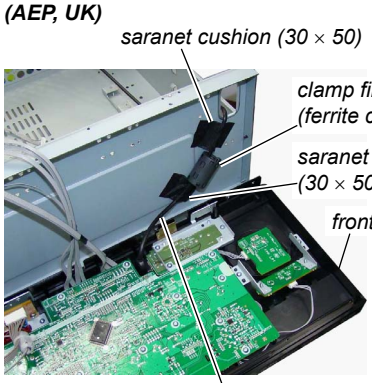
• Connection cord (HDMI cable) setting



< Fig. L > front side

< Fig. M >

(AEP, UK)



SECTION 3
TEST MODE

MEMORY CLEAR MODE
All preset contents are cleared when this mode is activated.
(Sound field is also cleared)
Use this mode before returning the product to clients upon completion of repair.
Procedure:
1. While pressing the [TONE MODE] and [2CH/A.DIRECT] buttons, press the [I/⏻] button to turn on the main power.
2. The message "MEMORY CLEARING..." appears and the memories are reset to the default values.
   (This operation takes about 2 minutes)
3. When done, the message "MEMORY CLEARED !" appears.

FACTORY PRESET MODE
The tuner preset are initialized.
Procedure:
1. While pressing the [TUNING MODE] and [2CH/A.DIRECT] buttons, press the [I/⏻] button to turn on the main power.
2. The message "Factory Preset" appears and tuner preset are initialization is preformed.

TUNER AM STEP CHANGE MODE
(US and Canadian models)
Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
Procedure:
1. Press the [I/⏻] button to turn on the main power.
2. Turn the [INPUT SELECTOR] dial to select the "AM TUNER".
3. Press the [I/⏻] button to turn off the main power.
4. While pressing the [TUNING MODE] button, press the [I/⏻] button to turn on the main power.
5. Either the message "AM 9k Step" or "AM10k Step" appears, select the desired step.

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 [I/⏻] button to turn on the main power.
2. The message "S.F. Initialize" appears and initialization is performed.

FLUORESCENT INDICATOR TUBE DISPLAY TEST
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 [TONE MODE] and [A.F.D.] buttons, press the [I/⏻] button to turn on the main power.
2. All segments and all LEDs turn on.
3. Each time [DISPLAY MODE] button to change as follows all on, test pattern 1, test pattern 2, all off, all on in this order.

Releasing method:
Press the [I/⏻] button to turn off the main power.

SWAP MODE
The signal will be swap to all channel so that all speaker will have sound output.
Procedure:
1. While pressing the [MEMORY/ENTER] and [2CH/A. DIRECT] buttons, press the [I/⏻] button to turn on the main power.
2. The message "SWAP MODE !" appears (No change while displayed).

Releasing method:
Pull out the AC power cord.

SETTING LOCK ON/OFF CHANGE MODE
All the settings can be locked.
Procedure:
1. While pressing the [SPEAKERS A/B/A+B/OFF] and [MUSIC] buttons, press the [I/⏻] button to turn on the main power.
2. The message "SETTINGS LOCK [ON]" appears.

Releasing method:
1. While pressing the [SPEAKERS A/B/A+B/OFF] and [MUSIC] buttons, press the [I/⏻] button to turn on the main power.
2. The message "SETTINGS LOCK [OFF]" appears.

COMMAND MODE CHANGE MODE
The command mode of the remote-commander which this set receives can be changed.
Procedure:
1. While pressing the [2CH/A. DIRECT] button, press the [I/⏻] button to turn on the main power.
2. Either the message "COMMAND MODE [AV1]" or "COMMAND MODE [AV2]" appears. Select the desired mode.

SOFTWARE VERSION DISPLAY MODE
The software version is displayed.
Note: In this mode, never press the [⬆] and [⬇] buttons on the remote commander.
Procedure:
1. While pressing the [TONE MODE] and [MUSIC] buttons, press the [I/⏻] button to turn on the main power.
2. The message "MAIN A57ES *** vX. XX" appears.
   Each time the [DISPLAY MODE] button is pressed, "SUB COMMON C vX. XX", "FAROUDJA Ver X. XX", "FAROUDJA2nd Ver X. XX", "DSP SFLASH1 Ver X.XX", "DSP SFLASH2 Ver X.XX", "NET Ver DXXXX" and "SYSTEM VERSION X.XXX" this order, and returns to the "MAIN A57ES *** vX. XX" displayed.
   ("X. XX" shows each version)

Releasing method:
Press the [I/⏻] button to turn off the main power.

SHIPMENT MODE
Initialize backup of EEPROM and Network and return to state of the shipment.
Procedure:
1. While pressing the [TONE MODE] and [MOVIE/HD-D.C.S.] buttons, press the [I/⏻] button to turn on the main power.
2. The message "MEMORY CLEARING..." appears and return to state of the shipment.
   (This operation takes about 2 minutes)
3. When done, the message "STANDBY" appears and turn off the main power.

REBOX TEST MODE

Displayed the number of times of the power on after the shipment.

Procedure:

1. While pressing the [A.F.D.] and [SPEAKERS A/B/A+B/OFF] buttons, press the [I/⏻] button to turn on the main power.
2. The message "REBOX- XX" appears.

Releasing method:

Press the [I/⏻] button to turn off the main power.

KEY CHECK MODE

Each buttons can be checked.

Procedure:

1. While pressing the [MEMORY/ENTER] and the [MOVIE/HD-D.C.S.] buttons, press the [I/⏻] button to turn on the main power.
2. Either the message "REST 17" appears.
   Every pressing of any button other than the [I/⏻] counts down the buttons.
   (The buttons which are already counted once are not counted again)
3. When all buttons are pressed "REST 00" appears.

Releasing method:

Press the [I/⏻] button to turn off the main power.

SIRIUS FACTORY TEST MODE (US and Canadian models)

Mode to confirm operation of SIRIUS. Doing display of ID of SIRIUS antenna and output of audio signal that SIRIUS antenna generates, it is confirmed that there are no problems in the communication of the SIRIUS antenna and the transmission of the audio signal.

Procedure:

1. The SIRIUS antenna was connected, while pressing the [TUNING MODE] and [A.F.D.] buttons, press the [I/⏻] button to turn on the main power.
2. Whenever the [DISPLAY MODE] button is pressed, the Module version, SSP version, Security processor version, Audio processor version, Firmware product ID, Firmware product sequence ID, Sirius ID are displayed, next the output of the audio signal of 1 kHz L/R, 20 Hz L/R, 10 Hz L/R, noise L, noise R and stop tone are switched.

HISTORY MODE

The state that the set is used is memorized.

Note: Even if "MEMORY CLEAR MODE" is performed, the backup data of "HISTORY MODE" is not cleared.
Initialize by performing "SHIPMENT MODE".

Procedure:

1. While pressing the [MEMORY/ENTER] and [MUSIC] buttons, press the [I/⏻] button to turn on the power and "HISTORY" is displayed.
2. Each time the [⬆] or [⬇] buttons of remote commander is pressed, the item is switched in order as follows.

Items	Display
Protector generation total count	PRCT_COUNT: xxxx
Operating time until generating first time protector (active standby is contained)	TTL_TIME:xxxxH xxM
Main on time until generating first time protector	TTL_MAIN:xxxxH xxM
Factor of generating first time protector	PROTECT:xxxx
Sound field in first time protector	SF xxxx
Input selector in first time protector	INPUT:xxxx
Input mode in first time protector	INMODE:xxxx
Input under lock in first time protector	DSEL:xxxx
Stream under input in first time protector	STREAM:xxxx
Channel information in first time protector	CONFIG:xxxx
State of headphone in first time protector	HEADPHONE:xxxx
Volume in first time protector	VOL:xxxx.xxdB
Muting in first time protector	MUTING:xxxx
EQ setting value in first time protector	FRT BASS:xxxx.xxdB FRT TREB:xxxx.xxdB CNT BASS:xxxx.xxdB CNT TREB:xxxx.xxdB SUR BASS:xxxx.xxdB SUR TREB:xxxx.xxdB FH BASS:xxxx.xxdB FH TREB:xxxx.xxdB
Level collection value each channel in first time protector	Lv FL/FR:xx.xx/xx.xx Lv CT/SW:xx.xx/xx.xx Lv SL/SR:xx.xx/xx.xx Lv BL/BR:xx.xx/xx.xx Lv LF/RH:xx.xx/xx.xx
Total operation time after the shipment	TTL_P_ON:xxxxHxxM
Main zone power on time after the shipment	TTL_M_ON:xxxxHxxM
Number of times of the power on after the shipment	REBOX: xxxx

Releasing method:

Press the [I/⏻] button to turn off the main power.

SPECIAL MENU MODE

Various version displays of system, update, test, etc. can be performed.

Setting method:

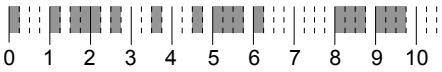
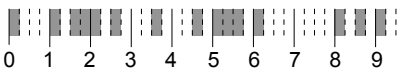
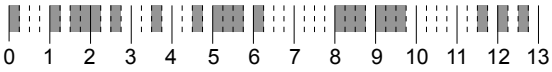
1. Press the [I/⏻] button to turn on the main power.
2. While pressing the [TONE MODE] button, press the [A.F.D.], [2CH/A. DIRECT], [MUSIC], [MOVIE/HD-D.C.S.] button in order, the message "MENU SPECIALIZED !" appears.
3. Press the [AMP MENU] button of the remote commander, the message "<<< SPECIAL >>>" appears.
4. Press the [➡] button of the remote commander, the item is appears.
5. Each time the [⬆] or [⬇] buttons of the remote commander is pressed, the item is switched in order of "Display of special menu mode". Some items can change the content. Display the cursor by pressing the [➡] button of the remote commander, and changing the content by pressing the [⬆] or [⬇] buttons of the remote commander, and fix the content by pressing the [⬅] button of the remote commander when you want to change the content of the item.

Releasing method:

To release from this mode, while pressing the [TONE MODE] button, press the [A.F.D.], [2CH/A. DIRECT], [MUSIC], [MOVIE/HD-D.C.S.] button in order again, the message "MENU SPECIALIZE OFF" appears, and this mode is released.

Display of special menu mode:

Items	Display	Remark
SYSTEM version display	SYSTEM VERSION X.XXX	X.XXX: System software version
MAIN Ucom version display	MAIN A57ES ∗∗∗ vX. XX	∗∗∗: Destination X.XX: Main system controller software version
SUB Ucom version display	SUB COMMON C vX.XX	X.XX: Sub system controller software version
FAROUDJA version display	FAROUDJA Ver X. XX	X.XX: Video processor software version (main)
FAROUDJA (2nd) version display	FAROUDJA2nd Ver X. XX	X.XX: Video processor software version (2nd)
DSP serial flash1 version display	DSP SFLASH1 Ver X. XX	X.XX: DSP serial flash1 software version
DSP serial flash2 version display	DSP SFLASH2 Ver X. XX	X.XX: DSP serial flash2 software version
Network processor version display	NET Ver DXXXX	XXXX: Network processor firmware version
IR learning Ucom version display	IR Ver ------	Not used for the servicing.
DSP debug menu	<DSP DEBUG MENU>	Not used for the servicing.
DSP serial flash1 data check	DSP SFLASH1 ID XX	XX: OK or NG
DSP serial flash2 data check	DSP SFLASH2 ID XX	XX: OK or NG
Network debug menu	<NETWORK DEBUG MENU>	Menu mode to enter MAC address display. If the [➡] button of the remote commander is pressed, entering the menu, and operating the following menu become possible.
MAC address display (Network debug menu)	MACXX:XX:XX:XX:XX:XX	XX:XX:XX:XX:XX:XX: MAC address
External control on/off (Network debug menu)	EXTERNAL CTRL XXX	Not used for the servicing.
Network standby on/off (Network debug menu)	NETWORK STANDBY XXX	Not used for the servicing.
Network audio signal path switch (Network debug menu)	AUDIO ROUTE XXXX	Not used for the servicing.
DAC error signal invalidity (Network debug menu)	IGNORE DA-ERR XXX	Not used for the servicing.
Network compulsive party mode (Network debug menu)	FORCE-PARTY XXX	Not used for the servicing.
MT8555 USB update	USB UPDATE	If the [⊕] button of the remote commander is pressed, update of the network processor is started.
Subwoofer + 10 dB analog mix	SW MIX +10dB XXX	Not used for the servicing.
Analog video input gain	COMP GAIN XXX	Not used for the servicing.
C4 identify	C4 IDENTIFY	Not used for the servicing.
Home automation on/off	HAT XXX	Not used for the servicing.
RS232C select	232C SELECT XXXXXXX	Not used for the servicing.

Items	Display	Remark
Network update check	LINE CHECK	When [➡] button on the remote commander is pressed, the message “START ?” is appears. If the [⊕] button of the remote commander is pressed, check is started. The signal path for update is checked without connecting to network. When all the checking results are OK, this unit is rebooted about 2 minutes after. When the checking results are NG, the NG factors are displayed. **Example of FAROUDJA/DSP serial flash NG display:** Result is displayed on the fluorescent indicator tube. NG : MSFfDd NG : DdFf NG : Dd NG : Ff NG : F NG : f detail: M : Main system controller S : Sub system controller F : FAROUDJA main (Cortez) f : FAROUDJA 2nd D : DSP flash 1st d : DSP flash 2nd **Example of main/sub system controller NG display:** Result is displayed by lighting of the [MULTI CHANNEL DECODING] LED. gray color part = [MULTI CHANNEL DECODING] indicator is on. • When the main system controller is NG  0 1 2 3 4 5 6 7 8 9 10 • When the sub system controller is NG  0 1 2 3 4 5 6 7 8 9 • When the main system controller and sub system controoler are NG  0 1 2 3 4 5 6 7 8 9 10 11 12 13 (sec)
Network audio/video test mode on/off	NWC DIAG XXX	Not used for the servicing.
Network PIP video on/off	PIP TEST XXX	Not used for the servicing.
HDCP key read	HDCP KEY READ XXX	Not used for the servicing.
Model/destination change	MODEL A57ES XXX at	Not used for the servicing.
Video factory menu	<VIDEO FACTORY MENU>	Menu mode to enter video calibration menu and DDR access check menu. If the [➡] button of the remote commander is pressed, entering the menu, and operating the following menu become possible.
Video calibration mode (Video factory menu)	V.CALIBRATION START?	Refer to “VIDEO CALIBRATION ADJUSTMENT” (page 36) for the details.
DDR access check mode (Video factory menu)	DDR CHECK XX sec	XX: Time to do access check on DDR (for design evaluation)
CORTEZ read mode (Video factory menu)	CRTZ KEY READ XXX	Not used for the servicing.
Auto cal mic test	SPEAKER OUT XXXXX	XXXXX: Output setting from the speaker SOURCE: normal mode MIC: mode that output audio to the speaker from microphone input
ARC check	ARC CHECK XXX	XXX: “ON” or “OFF” SPDIF signal reception on/off switched.

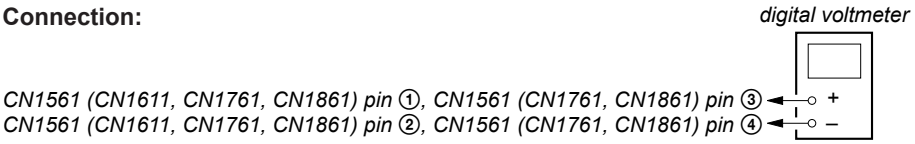
Items	Display	Remark
FL display fonts test	FL FONT 0x∗∗=X	∗∗: 20 to FE, X: character
FL display test	(All segments turn on)	Each time [DISPLAY MODE] button to change as follows all on → test pattern 1 → test pattern 2 → all off → all on
Super reset	SUPER RESET XXX	EEPROM backup data in which the domain which is not initialized in “MEMORY CLEAR MODE” (refer to page 30) was included can be initialized. This mode is used before performing “VIDEO CALIBRATION ADJUSTMENT” (refer to page 36). XXX : YES or NO Initialization is performed by pressing [⊕] button on the remote commander, when “YES” is displayed.
RAM watch menu	RAM WATCH MENU	Not used for the servicing.
EERROM debug mode	EEPROM ∗∗∗∗ XX	Not used for the servicing.
EERROM check	EEPROM CHECK	Not used for the servicing.
GUI boot check	GUI CHECK XXX	Not used for the servicing.
Sleep timer	SLEEP DEBUG XXX	Not used for the servicing.
Auto standby	AUTO STBY DEBUG XXX	The message “ON” or “OFF” is appears. Auto standby function on/off switched (setting value is 2 minutes)
Auto standby signal level	SIGNAL LVL XXXXXXXX	XXXXXXXX: Current signal level
Auto standby signal min	SIGNAL MIN XXXXXXXX	XXXXXXXX: Minimum signal level Each time [MEMORY/ENTER] button is pressed, value is reset.
Auto standby signal max	SIGNAL MAX XXXXXXXX	XXXXXXXX: Maximum signal level Each time [MEMORY/ENTER] button is pressed, value is reset.
Protector on/off setting	PROTECTR ON/OFF XXX	Not used for the servicing.
Audio swap mode	SWAP-AT XX.XX -> XX.XX	Not used for the servicing.
Audio swap mode for FH output	SWP2 XXXXXXXX	Not used for the servicing.
Volume value display (FL/FR)	FL∗∗∗∗ FR XXXX	Not used for the servicing.
Volume value display (SL/SR)	SL∗∗∗∗ SR XXXX	Not used for the servicing.
Volume value display (CT/SW)	CT∗∗∗∗ SW XXXX	Not used for the servicing.
Volume value display (SBL/SBR)	SBL∗∗∗∗ SBR XXXX	Not used for the servicing.
DAC mute flag upper	DAC MUTE U XXXXXXXX	Not used for the servicing.
DAC mute flag lower	DAC MUTE L XXXXXXXX	Not used for the servicing.
2nd volume value display	2nd VOLUME XXX.X dB	Not used for the servicing.
Dark out duty	DARK OUT DUTY XX%	Not used for the servicing.
H. A. T. S. playback component check	CHK HATS COMP XXX	Not used for the servicing.
H. A. T. S. mode fix	HATS FIX XXXXXXX	Not used for the servicing.
H. A. T. S. rate control	HATS RATE XXXXXX	Not used for the servicing.
H. A. T. S. error process check	HATS ERR PROC XXX	Not used for the servicing.
H. A. T. S. error trigger	HATS ERR TRIG	Not used for the servicing.
Pass through auto debug	PASS THRU AUTO DBG	Not used for the servicing.

SECTION 4
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:



Note: Pin ③, ④ of CN1611 are open.

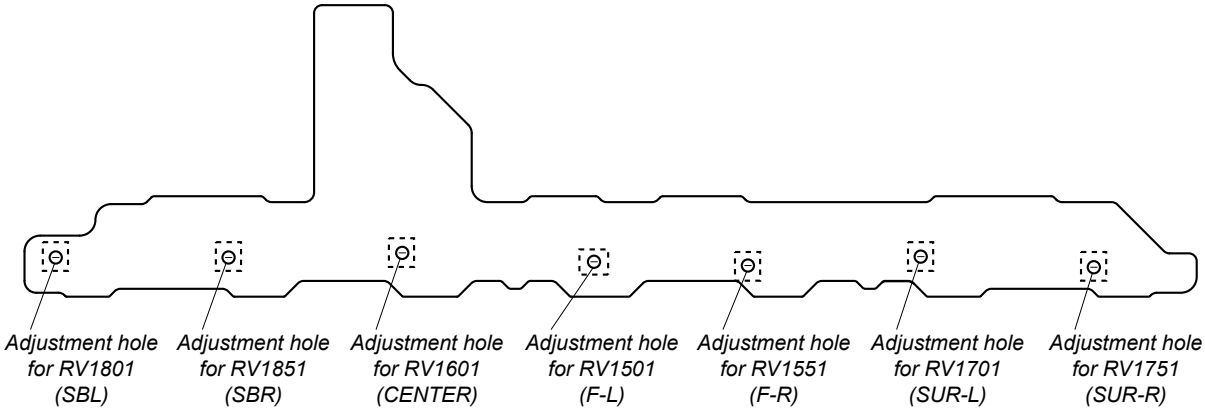
Procedure:

1. Connect a digital voltmeter to the CN1561 (CN1611, CN1761, CN1861).
2. Press the [I/⏻] 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.

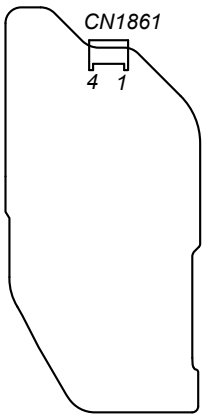
Note: Adjust for the digital voltmeter reading to become 5 mV as much as possible.

Adjustment and Connection Location:

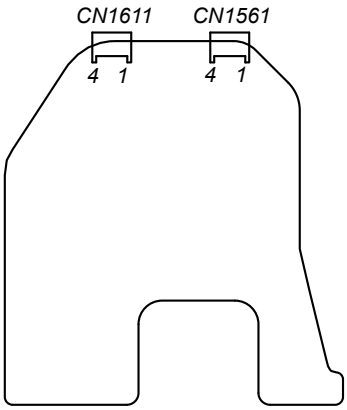
– BIAS Board (Conductor Side) –



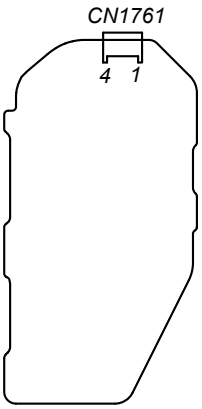
– PROTECTOR_SB Board (Component Side) –



– PROTECTOR_FC Board (Component Side) –



– PROTECTOR_SUR Board (Component Side) –



VIDEO CALIBRATION ADJUSTMENT

Adjustment to decide the standard of the video input signal.
Note: After replacing D-VIDEO board, perform this adjustment.

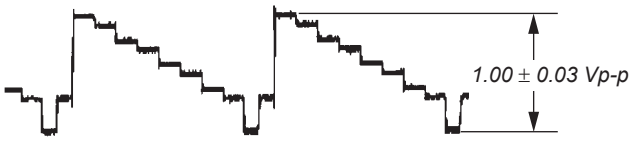
1. Adjustment jig

The color pattern generator that can output 100% in NTSC/PAL/HD color bar signal to the component and the composite at the same time is necessary for the adjustment.
When there is no color pattern generator, it is possible to substitute it by the Blu-ray Disc player that can output the component terminal and the video terminal at the same time (Substitution model name example: BDP-S350).
However, please do the following signal output confirmation with the oscilloscope beforehand when substituting it with the Blu-ray Disc player.

1-1. Component signal

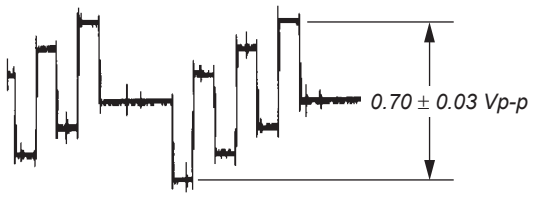
Checking Component Video Output Y

Signal	DVD standard disc color bars (100%)
Check point	COMPONENT VIDEO OUT (Y) terminal (75 Ω terminated)
Specification	1.00 ± 0.03 Vp-p



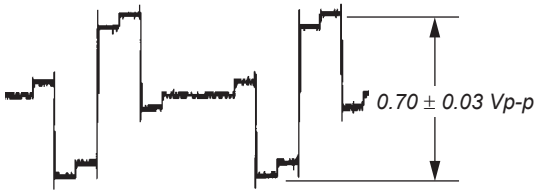
Checking Component Video Output B-Y

Signal	DVD standard disc color bars (100%)
Check point	COMPONENT VIDEO OUT (P_B/C_B) terminal (75 Ω terminated)
Specification	0.70 ± 0.03 Vp-p



Checking Component Video Output R-Y

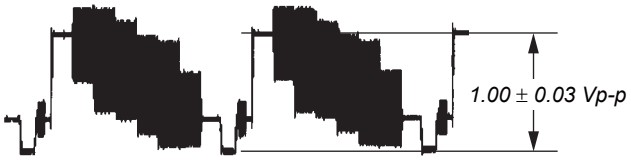
Signal	DVD standard disc color bars (100%)
Check point	COMPONENT VIDEO OUT (P_R/C_R) terminal (75 Ω terminated)
Specification	0.70 ± 0.03 Vp-p



1-2. Composite signal

Video level confirmation

Signal	DVD standard disc color bars (100%)
Check point	LINE OUT (VIDEO) terminal (75 Ω terminated)
Specification	1.00 ± 0.03 Vp-p



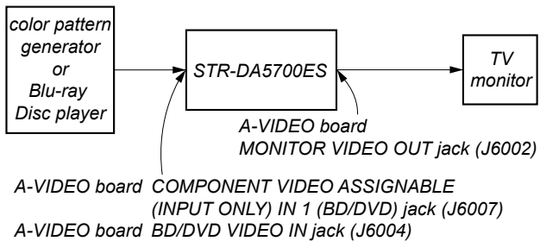
2. Video calibration adjustment

• Preparation

Procedure:

1. Execute “SUPER RESET” of special menu mode (refer to page 34).
2. After step 1, agree to EULA.
3. Press the [HOME] button on the remote commander, and home menu is displayed on the TV monitor.
4. Select the “Settings”, and press the [⊕] button on the remote commander.
5. Select the “Zone Settings”, and press the [⊕] button on the remote commander.
6. Select the “Zone Control”, and press the [⊕] button on the remote commander.
7. Select zone 2, and press the [⊕] button on the remote commander.
8. Select the “On”, and press the [⊕] button on the remote commander.

2-1. Connection



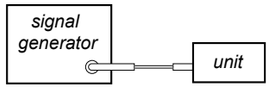
2-2. Procedure for color pattern generator

1. It connects of step 2-1, and the turn on the main power.
2. “BD/DVD” is selected by using [INPUT SELECTOR] dial.
3. Input NTSC color bars signal from the color pattern generator.
4. Enter the special menu mode referring to the “SPECIAL MENU MODE” (refer to page 32) of the test mode.
5. Press the [AMP MENU] buttons of remote commander, “<<< SPECIAL >>>” is displayed.
6. Press the [➡] button on the remote commander, and the [⬆] or [⬇] buttons on the remote commander to select the “< VIDEO FACTORY MENU >”, and press the [➡] button on the remote commander. When correctly entering the test mode “V.CALIBRATION START?” and “NTSC:MW -- _ _ _” are alternately displayed.
7. The NTSC signal adjustment is begun when press the [⊕] button of remote commander. Finally, the display returns to the display of “V.CAL OK N _ _/N _ _”.
8. Input PAL color bars signal from the color pattern generator.
9. The PAL signal adjustment is begun when press the [⊕] button of remote commander. Finally, the display returns to the display of “V.CAL OK N P _/N P _”.
10. Input HD color bars signal (720p or 1080i) from the color pattern generator.
11. The HD signal adjustment is begun when press the [⊕] button of remote commander. Finally, the display returns to the display of “V.CAL OK N P H/N P H”.
12. Turn off the main power.

2-3. Procedure for Blu-ray Disc player

1. It connects of step 2-1, and the turn on the main power of set and Blu-ray Disc player.
2. “BD/DVD” is selected by using [INPUT SELECTOR] dial.
3. Press the OPEN/CLOSE button of the Blu-ray Disc player, and DVD test disc “HLX-504 (Part No. J-6090-088-A)” or “HLX-513 (Part No. J-2501-305-A)” is insert. The disc playback automatically becomes start “Main Menu” is display.
4. “1.Color Bar 100%” of “1.Video Signal” is reproduced, and 100% in the color bar is displayed in the TV monitor, playing the Blu-ray Disc player is pause playback.
5. Enter the special menu mode referring to the “SPECIAL MENU MODE” (refer to page 32) of the test mode.
6. Press the [AMP MENU] buttons of remote commander, “<<< SPECIAL >>>” is displayed.
7. Press the [➡] button on the remote commander, and the [⬆] or [⬇] buttons on the remote commander to select the “< VIDEO FACTORY MENU >”, and press the [➡] button on the remote commander. When correctly entering the test mode “V.CALIBRATION START?” and “NTSC:MW -- _ _ _” are alternately displayed.
8. The NTSC signal adjustment is begun when press the [⊕] button of remote commander. Finally, the display returns to the display of “V.CAL OK N _ _/N _ _”.
9. Press the OPEN/CLOSE button of the Blu-ray Disc player, and change to DVD test disc “HLX-506 (Part No. J-6090-077-A)” or “HLX-507 (Part No. J-6090-078-A)”. The disc playback automatically becomes start “Main Menu” is display.
10. “1.Color Bar 100%” of “1.Video Signal” is reproduced, and 100% in the color bar is displayed in the TV monitor, playing the Blu-ray Disc player is pause playback.
11. The PAL signal adjustment is begun when press the [⊕] button of remote commander. Finally, the display returns to the display of “V.CAL OK N P _/N P _”.
12. Press the OPEN/CLOSE button of the Blu-ray Disc player, and change to DVD test disc “HLX-104 (Part No. J-6090-199-A)”. The disc playback automatically becomes start “Main Menu” is display.
13. “59.94Hz, 1080i” → “1.Video Signal” → “1.Color Bar 100%” is selected, and 100% in the color bar is displayed in the TV monitor, playing the Blu-ray Disc player is pause playback.
14. The video output of the Blu-ray Disc player is switched 1080i. (The output from the component terminal of the Blu-ray Disc player becomes 1080i output)
15. The HD signal adjustment is begun when press the [⊕] button of remote commander. Finally, the display returns to the display of “V.CAL OK N P H/N P H”.
16. Turn off the main power.

FM AUTO STOP CHECK



Procedure:

1. Turn on the unit.
2. Input the following signal from signal generator to FM antenna input directly.

Carrier frequency: A = 87.5 MHz, B = 98 MHz, C = 108 MHz
Deviation : 75 kHz
Modulation : 1 kHz
ANT input : 35 dBu (EMF)

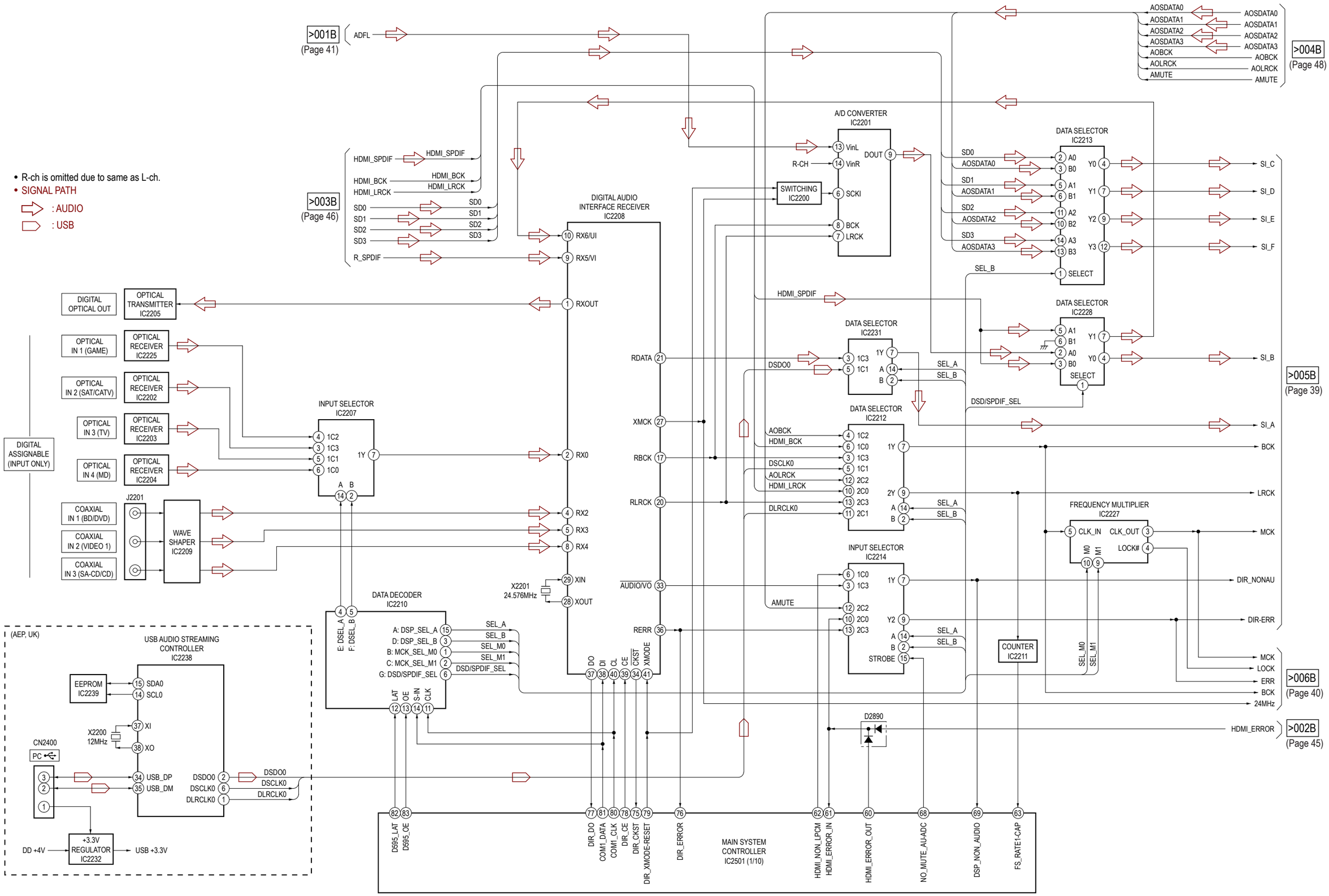
Note: Use 75 ohm coaxial cable to connect signal generator and the set.
You cannot use video cable for checking.
Use signal generator whose output impedance is 75 ohm.

3. Set to FM tuner function and scan the input FM signal with automatic scanning.
4. Confirm that input frequency of A, B and C are detected and automatic scanning stops.

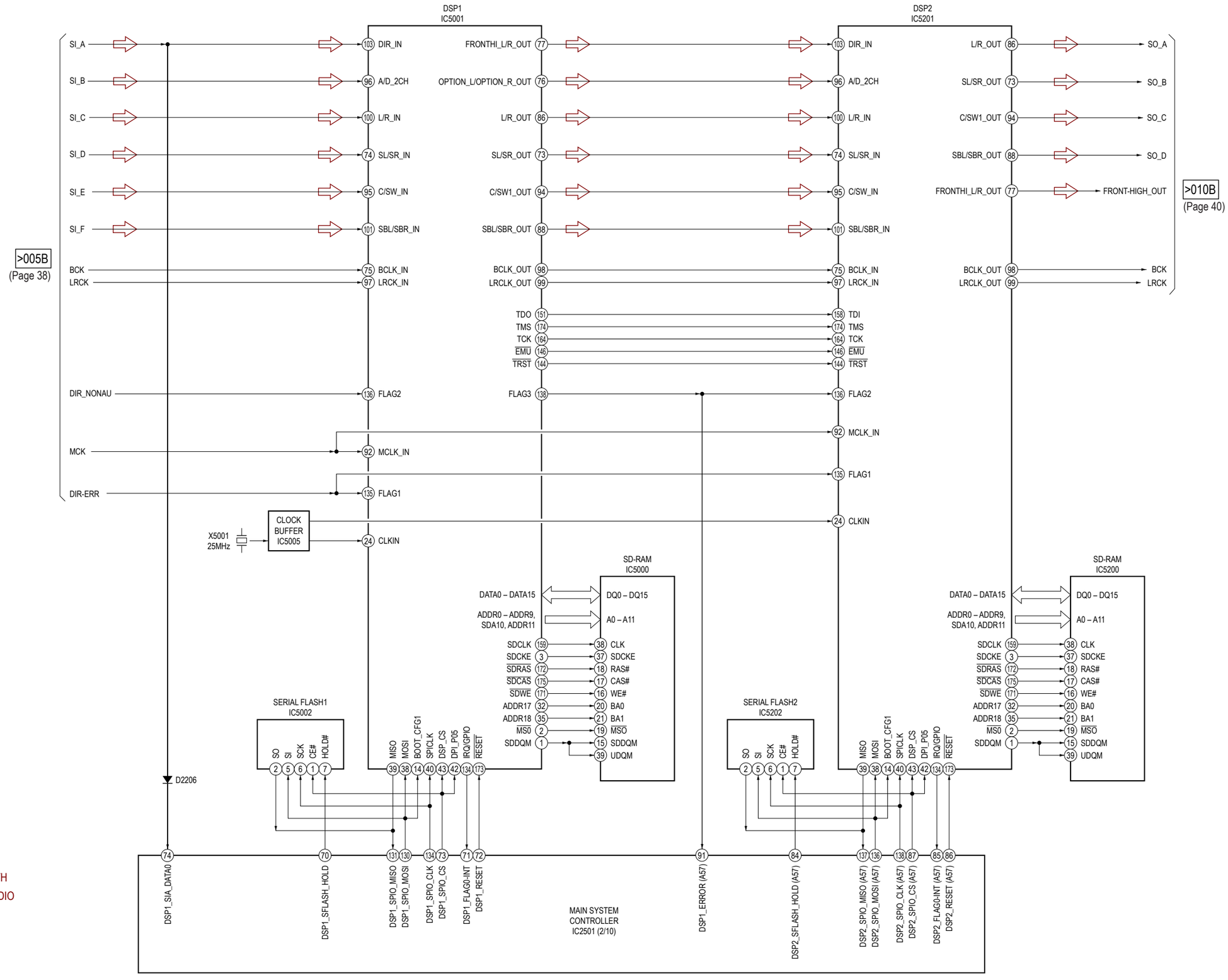
When the station signal is received in good condition, automatic scanning stops.

SECTION 5
DIAGRAMS

5-1. BLOCK DIAGRAM - DIGITAL AUDIO Section (1/2) -

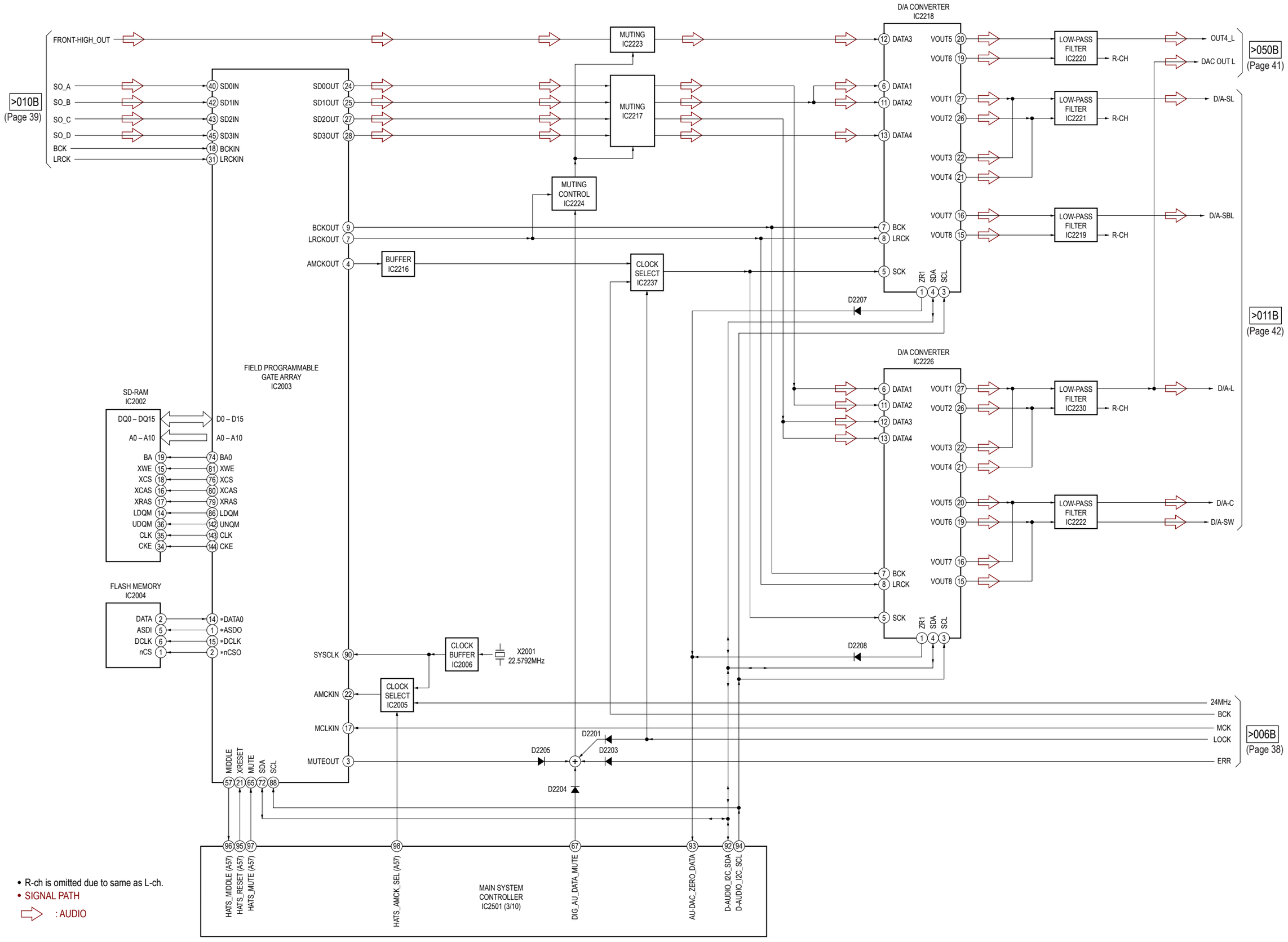


5-2. BLOCK DIAGRAM - DSP Section -



• SIGNAL PATH
⇨ : AUDIO

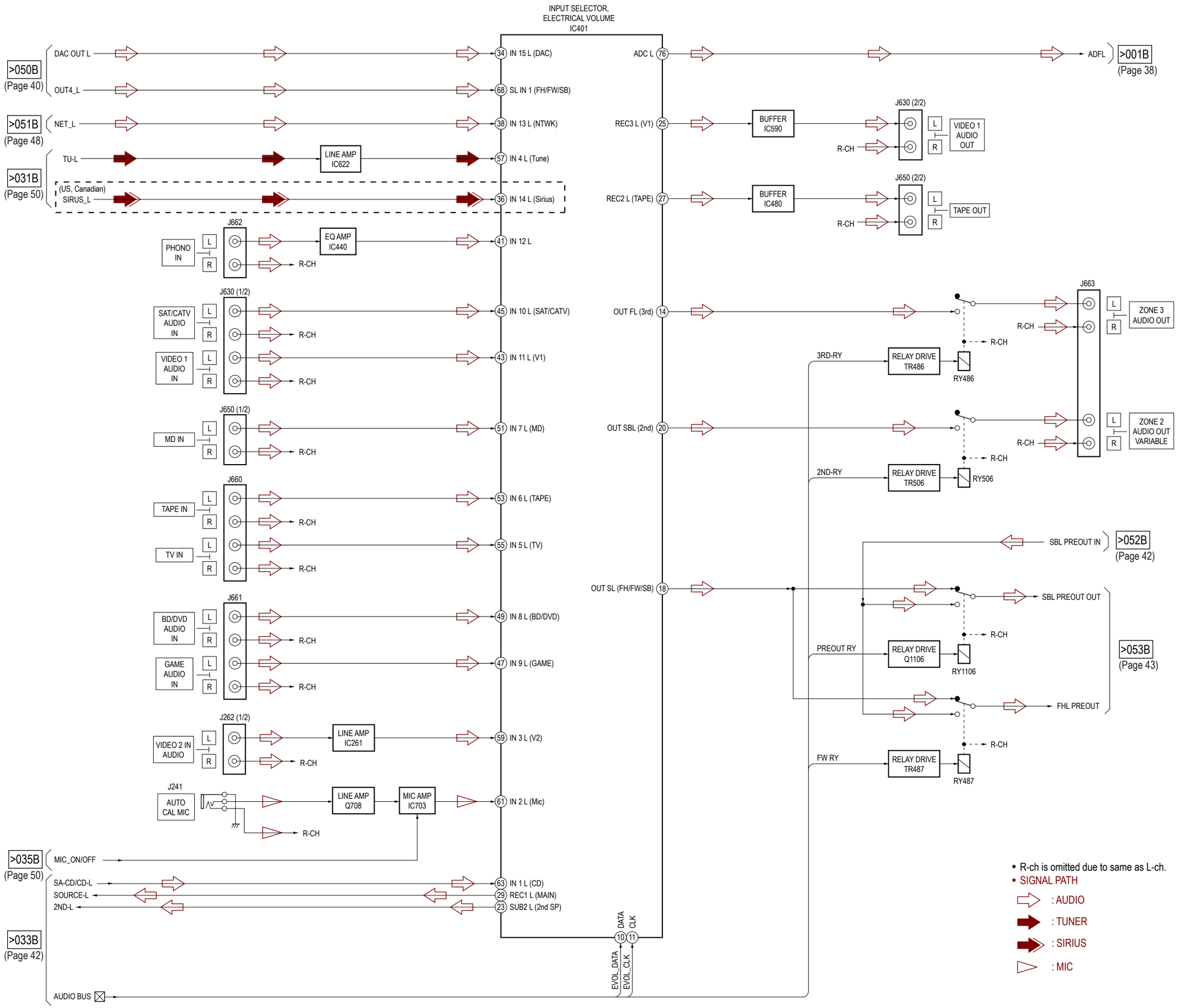
5-3. BLOCK DIAGRAM - DIGITAL AUDIO Section (2/2) -



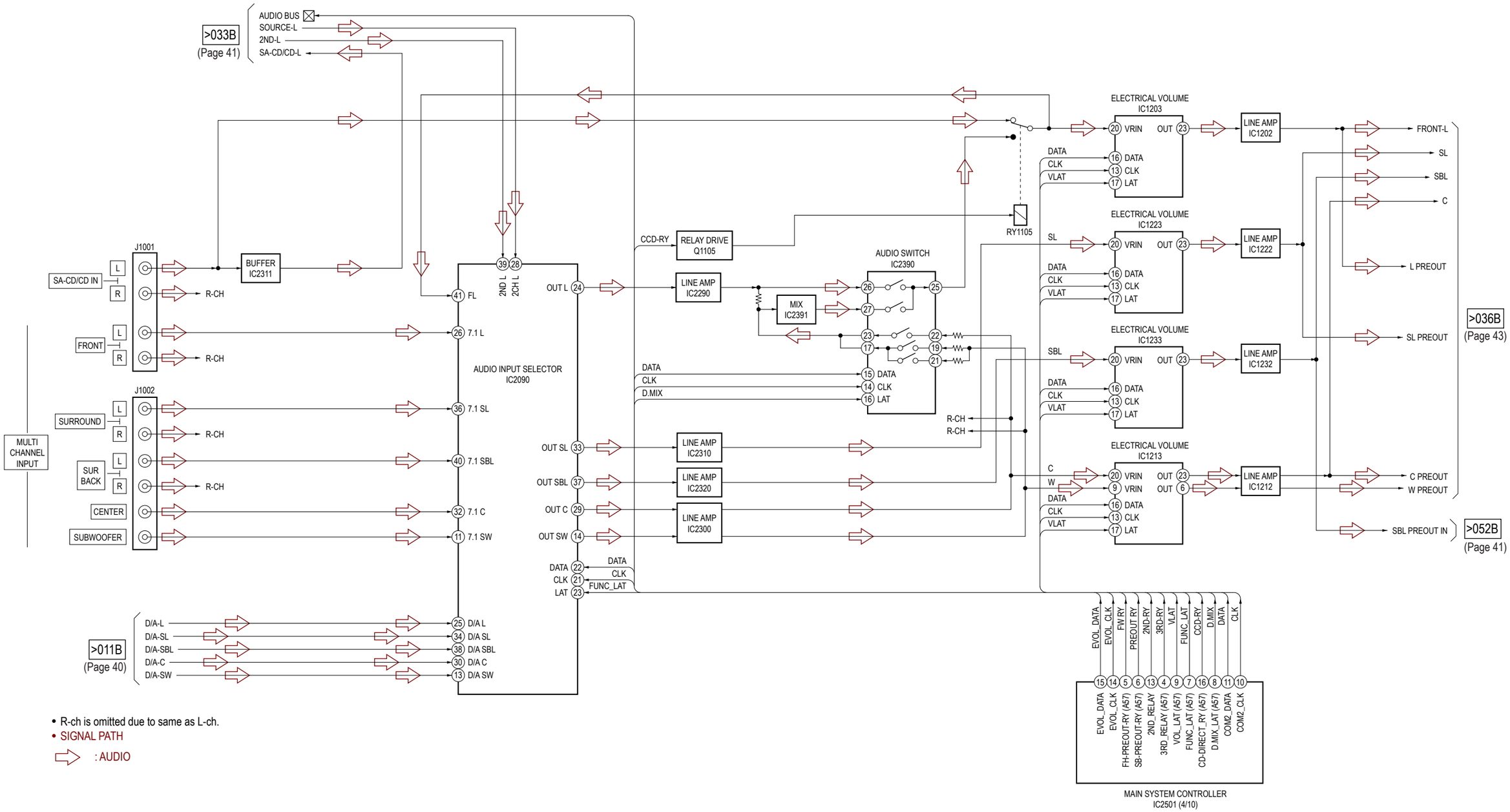
- R-ch is omitted due to same as L-ch.
- SIGNAL PATH

⇨ : AUDIO

5-4. BLOCK DIAGRAM - ANALOG AUDIO Section (1/2) -



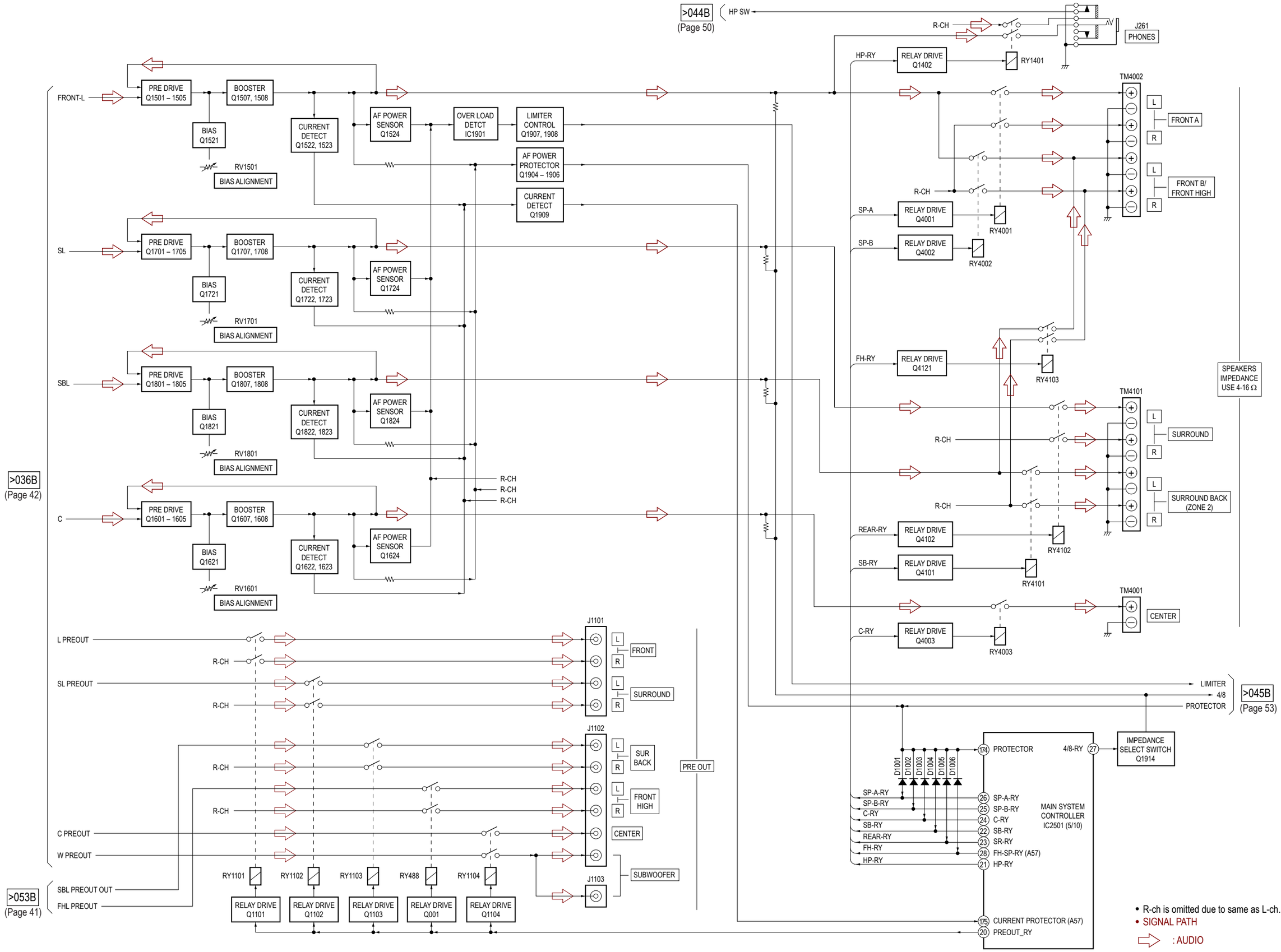
5-5. BLOCK DIAGRAM - ANALOG AUDIO Section (2/2) -



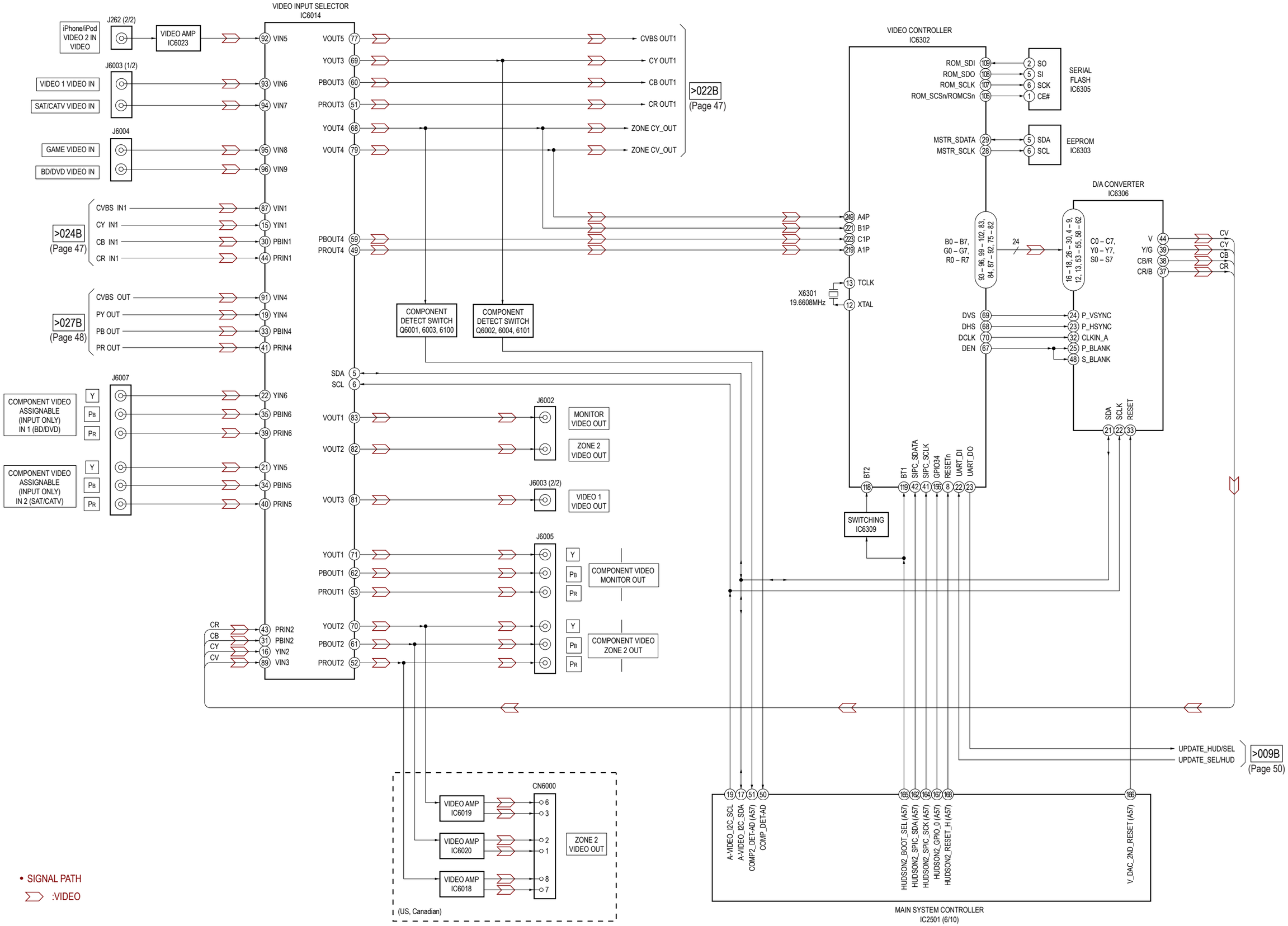
- R-ch is omitted due to same as L-ch.
- SIGNAL PATH

: AUDIO

5-6. BLOCK DIAGRAM - AUDIO OUTPUT Section -

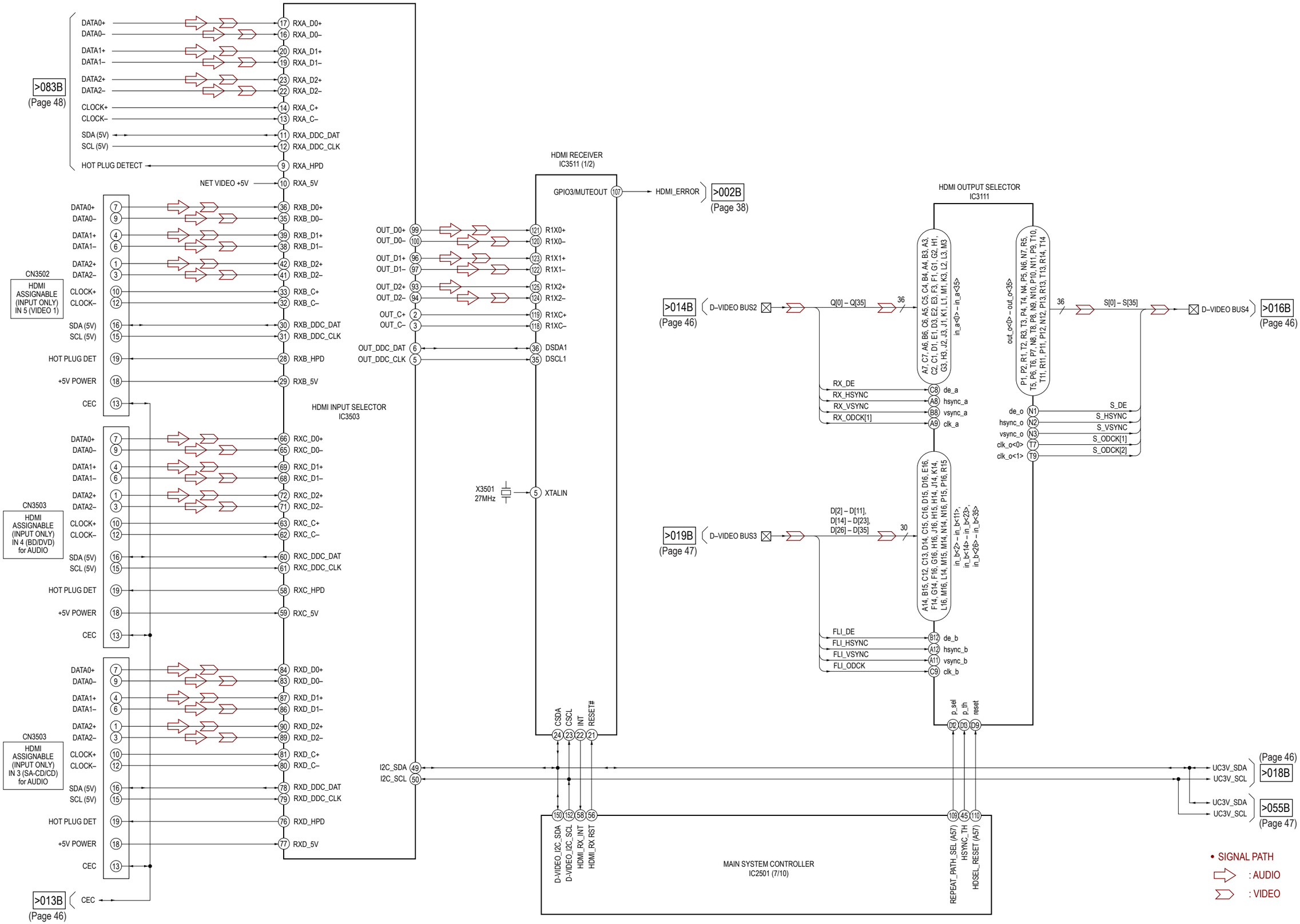


5-7. BLOCK DIAGRAM - ANALOG VIDEO Section -

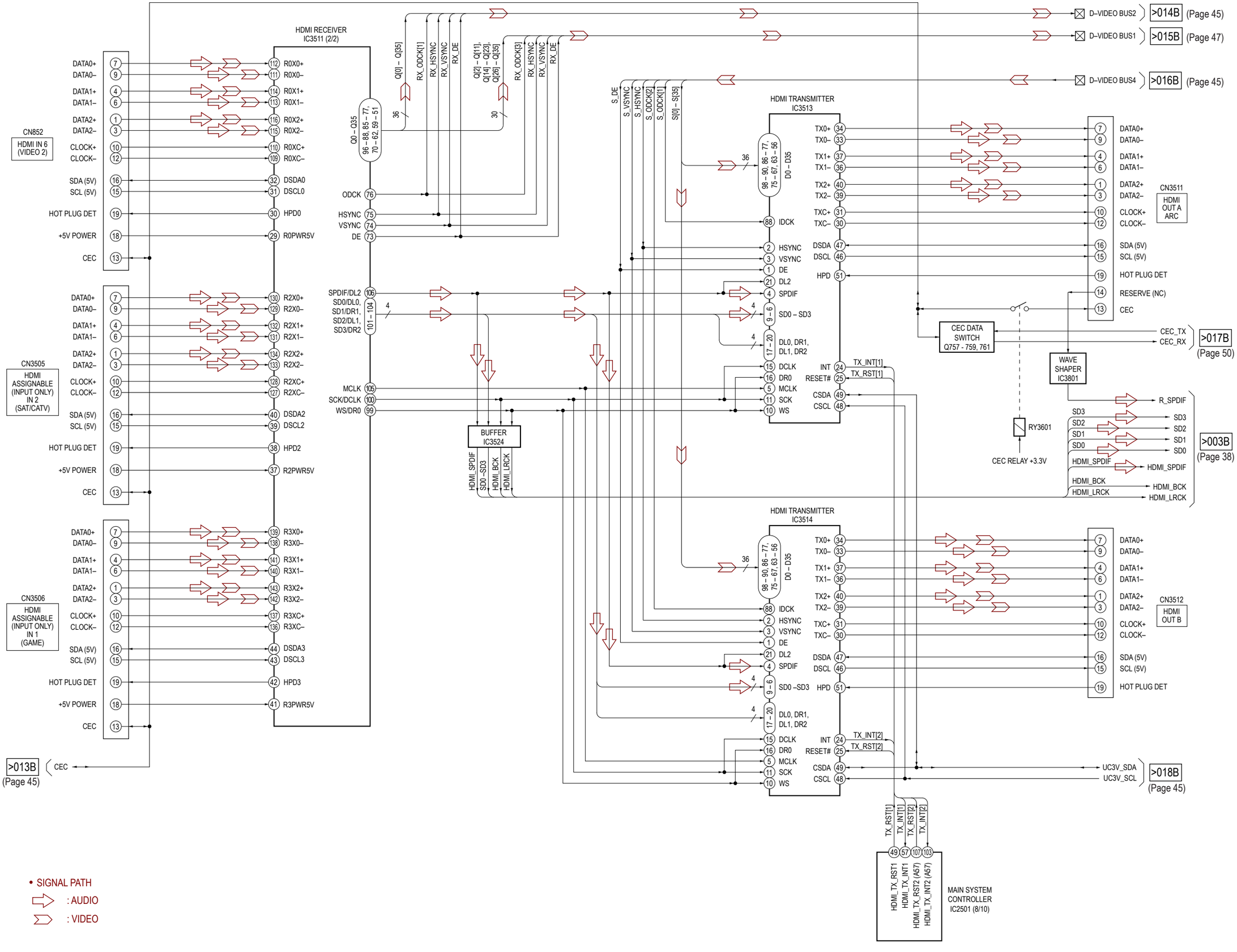


• SIGNAL PATH
:VIDEO

5-8. BLOCK DIAGRAM - HDMI Section (1/2) -

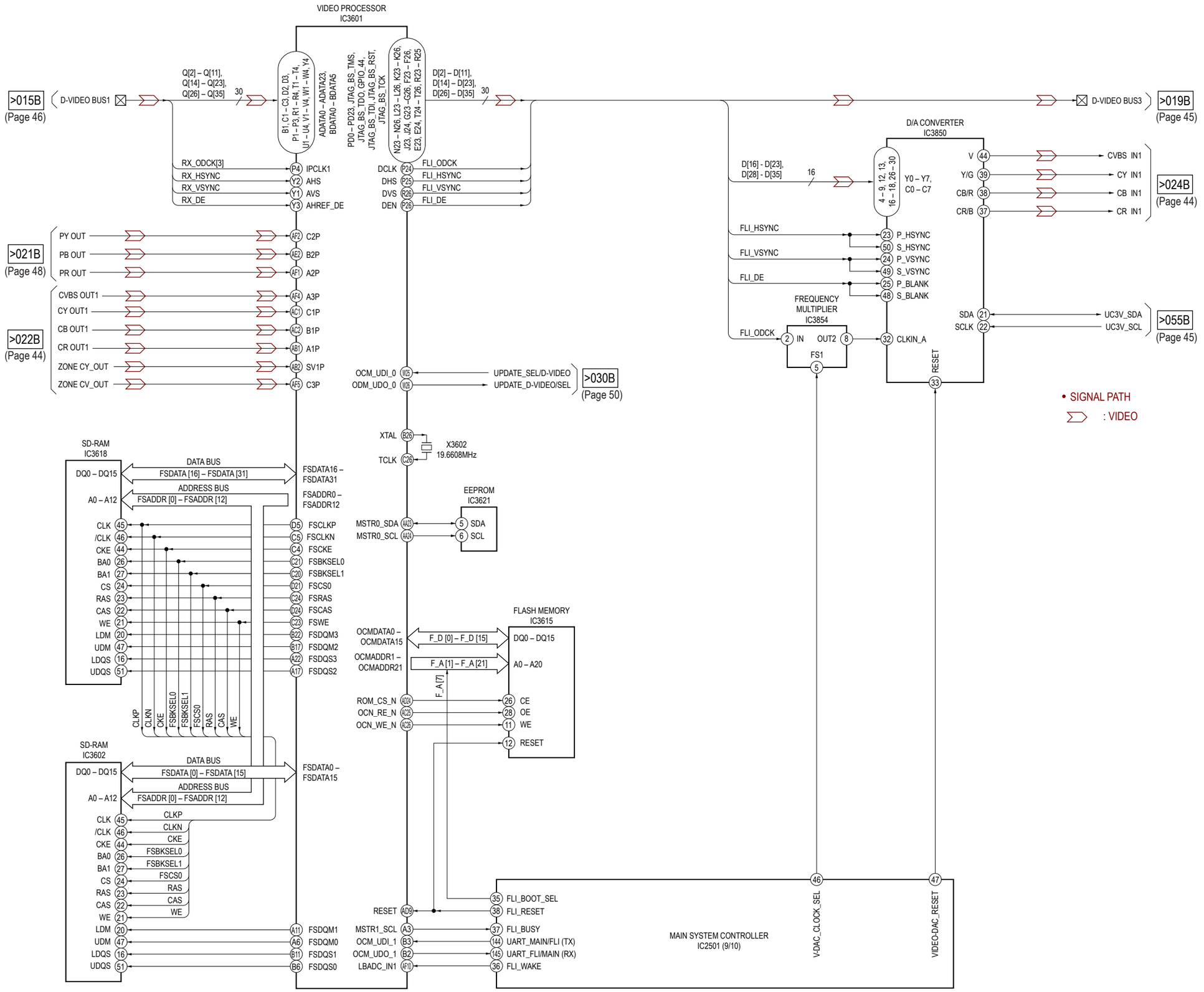


5-9. BLOCK DIAGRAM - HDMI Section (2/2) -

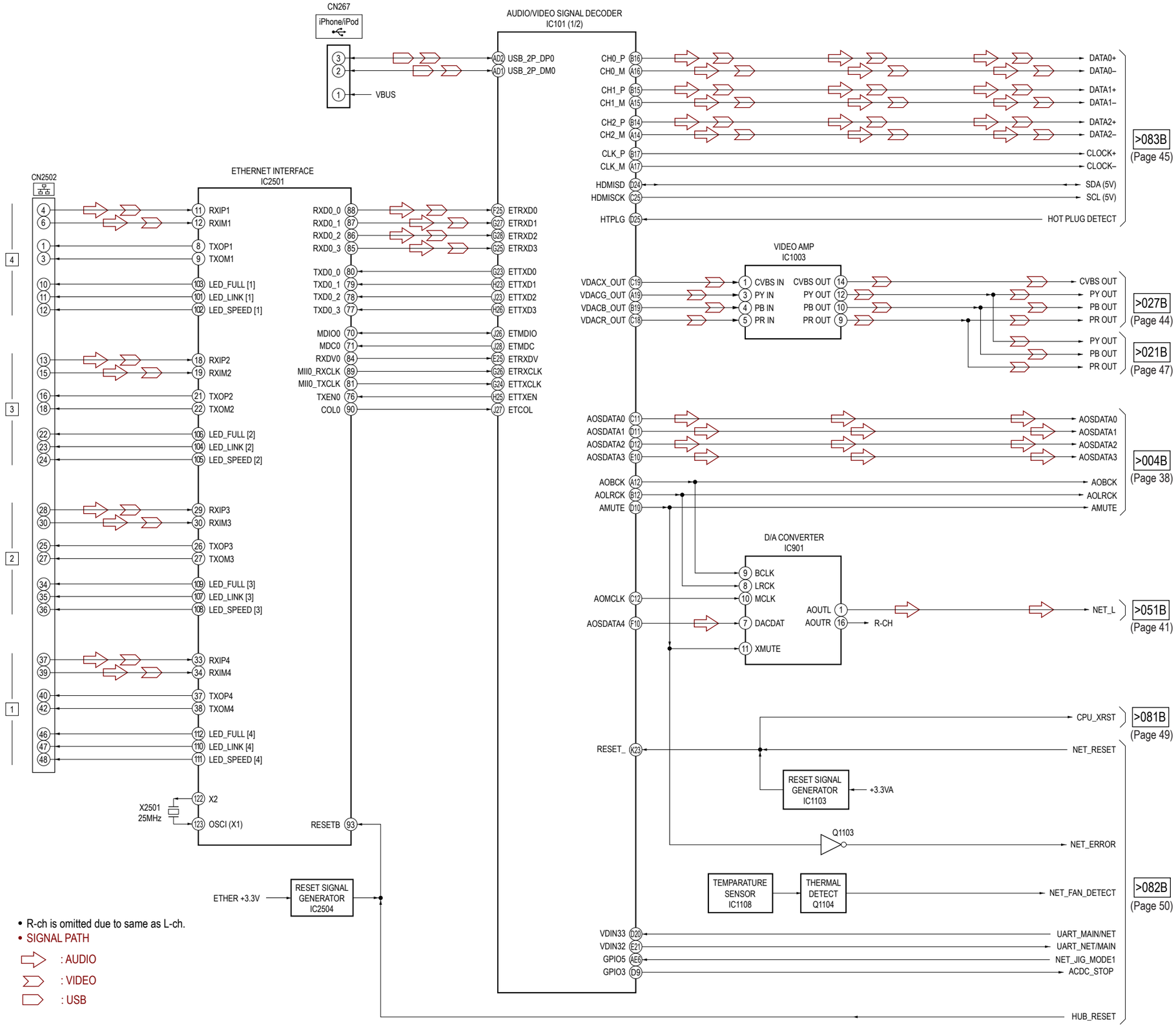


• SIGNAL PATH
: AUDIO
: VIDEO

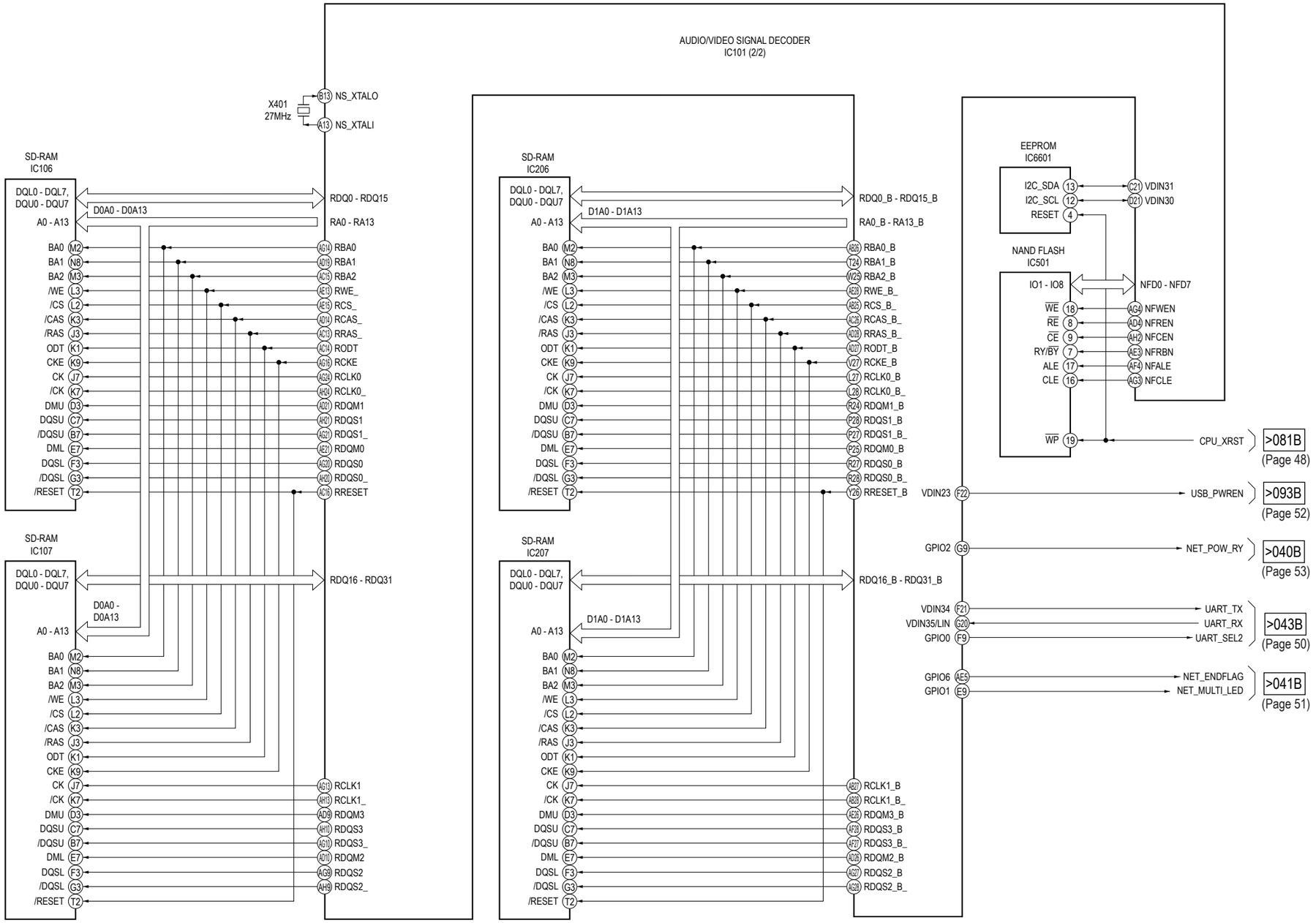
5-10. BLOCK DIAGRAM - DIGITAL VIDEO Section -



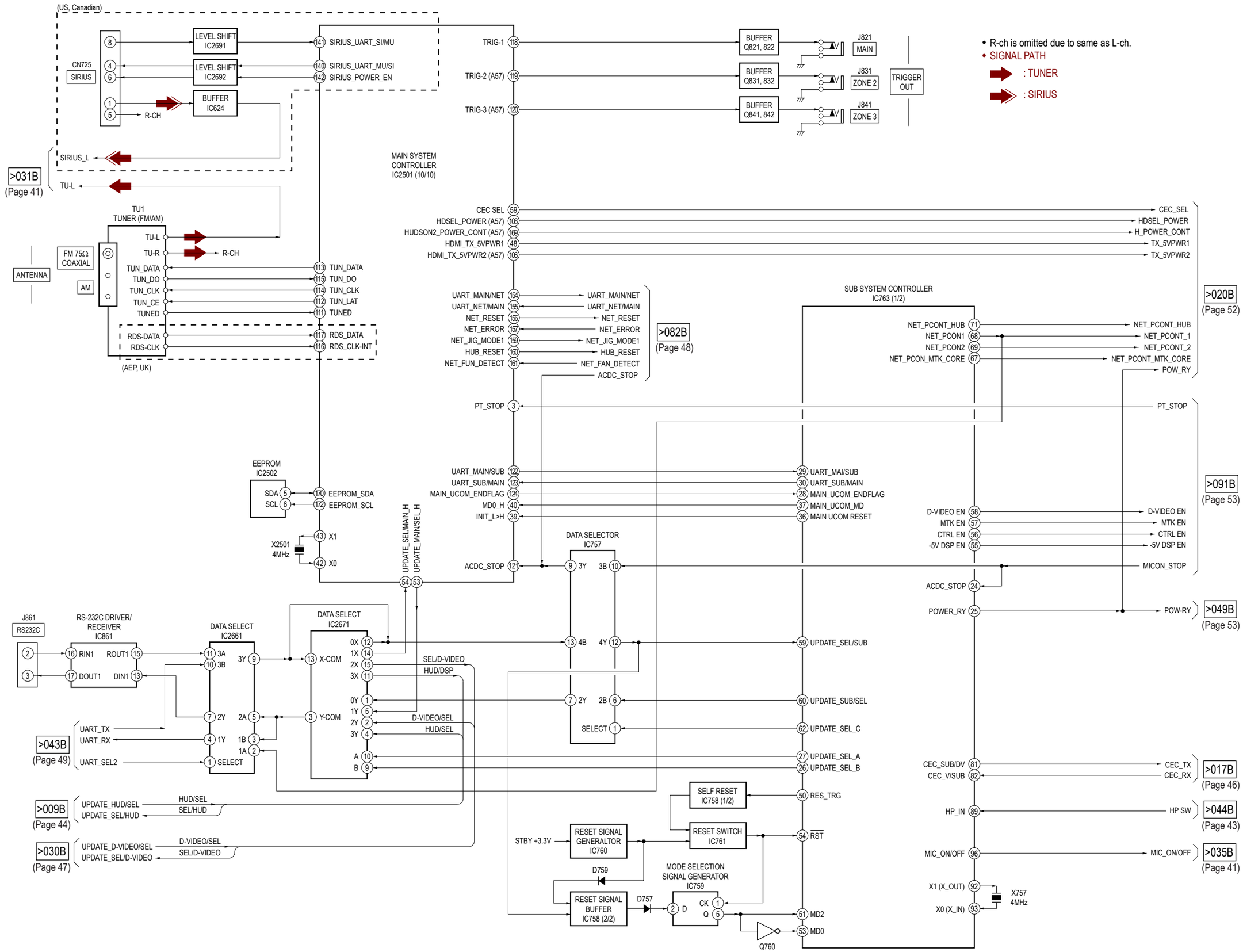
5-11. BLOCK DIAGRAM - NETWORK Section (1/2) -



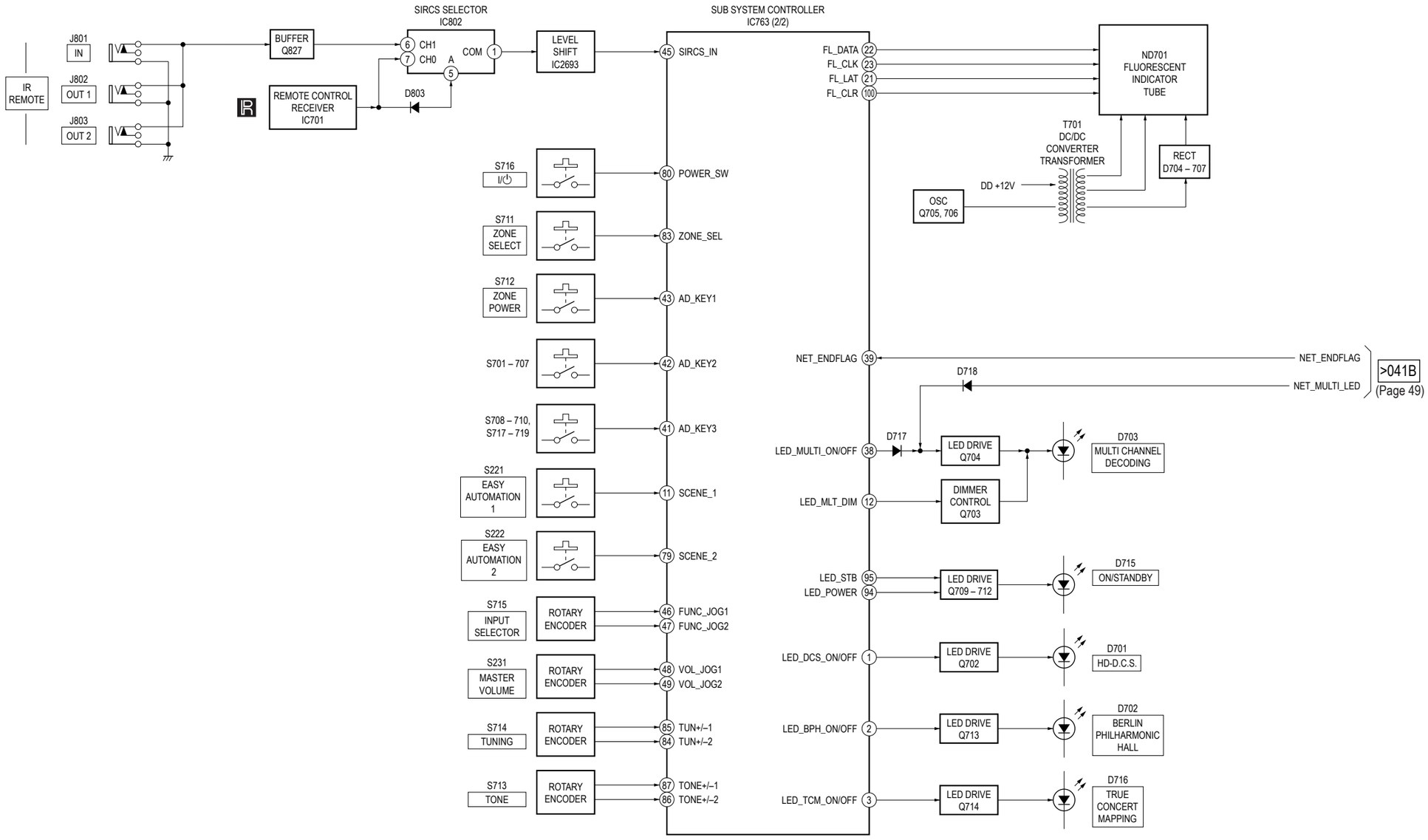
5-12. BLOCK DIAGRAM - NETWORK Section (2/2) -



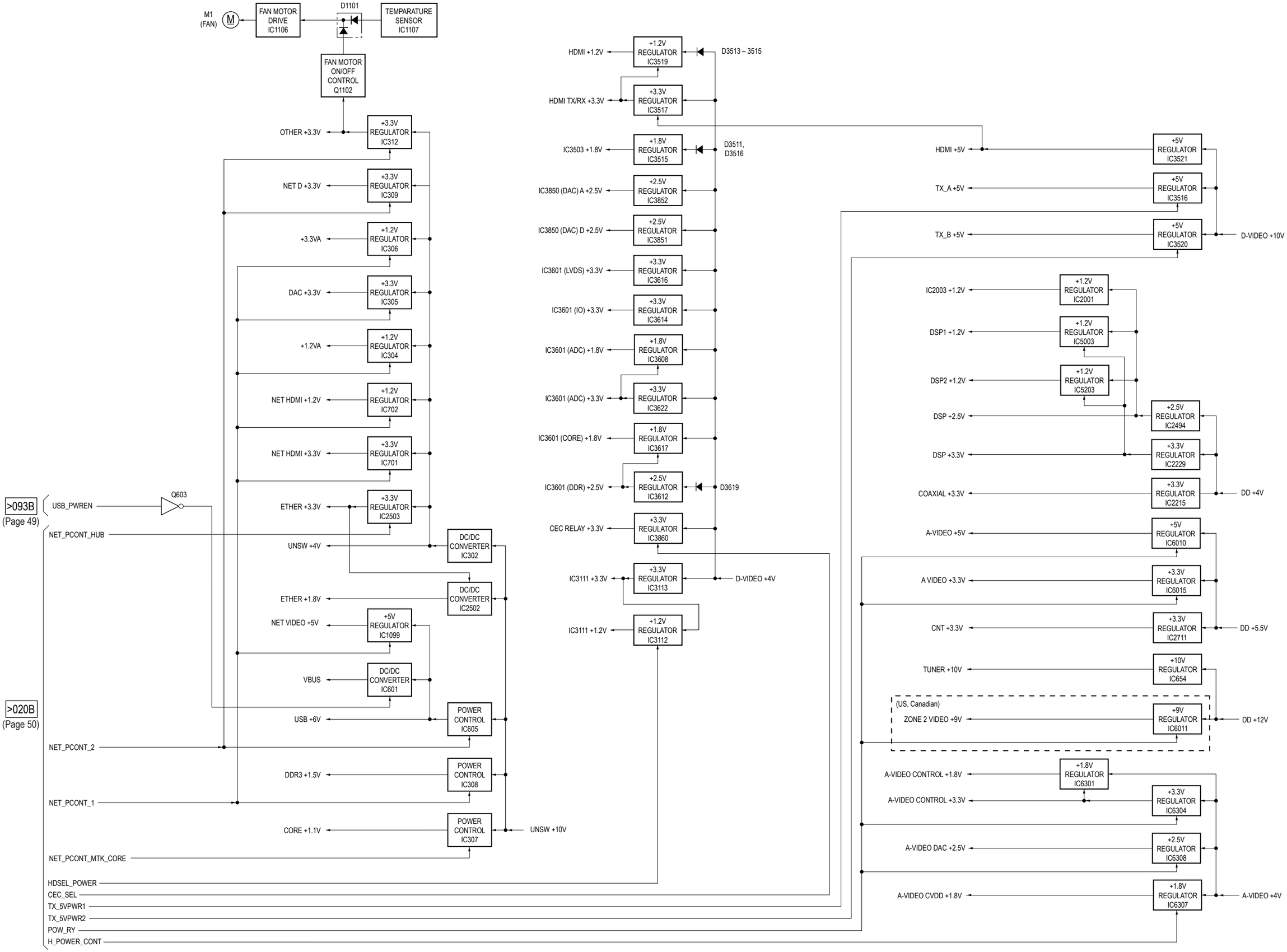
5-13. BLOCK DIAGRAM - CONTROL Section -



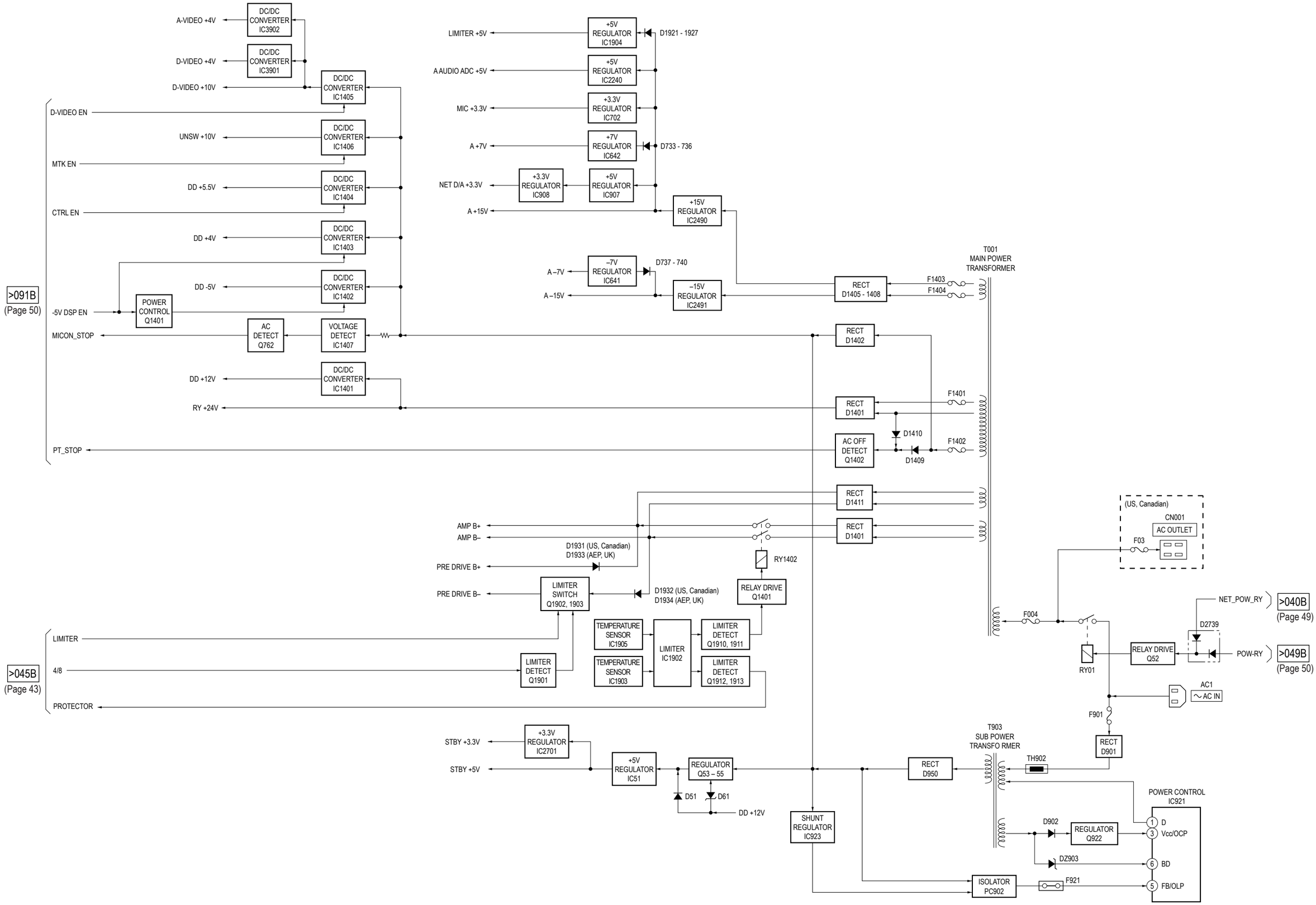
5-14. BLOCK DIAGRAM - PANEL Section -



5-15. BLOCK DIAGRAM - REGULATOR Section -



5-16. BLOCK DIAGRAM - POWER SUPPLY Section -



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS. (In addition to this, the necessary note is printed in each block.)

For Printed Wiring Boards.

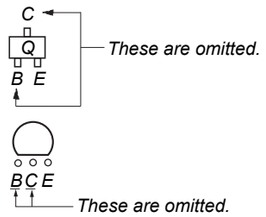
Note:

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

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

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

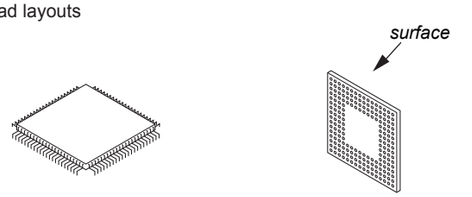
- A-VIDEO, D-VIDEO, DSP, F-HDMI and NETWORK boards are multi-layer printed board. However, the patterns of intermediate layers have not been included in diagrams.
- Indication of transistor.



* Replacement of IC106, IC107, IC206 and IC207 on the NETWORK board used in this set requires a special tool.

* Replacement of IC3601 on the D-VIDEO board used in this set requires a special tool.

- Lead layouts



Lead layout of conventional IC *CSP (Chip Size Package)*

- Abbreviation
  CND : Canadian model

Note 1: When replacing the D-AUDIO board in this unit for AEP and UK models, refer to "NOTE OF REPLACING THE IC2239 ON THE D-AUDIO BOARD AND THE COMPLETE D-AUDIO BOARD" (page 6).

Note 2: When replacing the NETWORK board, refer to "NOTE OF REPLACING THE NETWORK BOARD" (page 5).

For Schematic Diagrams.

Note:

- 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:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line.
- : B– Line.
- : Adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: TUNER
- Voltages are taken with VOM (Input impedance 10 MΩ). 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
  : TUNER
  : SIRIUS
  : USB
  : MIC
  : VIDEO

* Replacement of IC106, IC107, IC206 and IC207 on the NETWORK board used in this set requires a special tool.

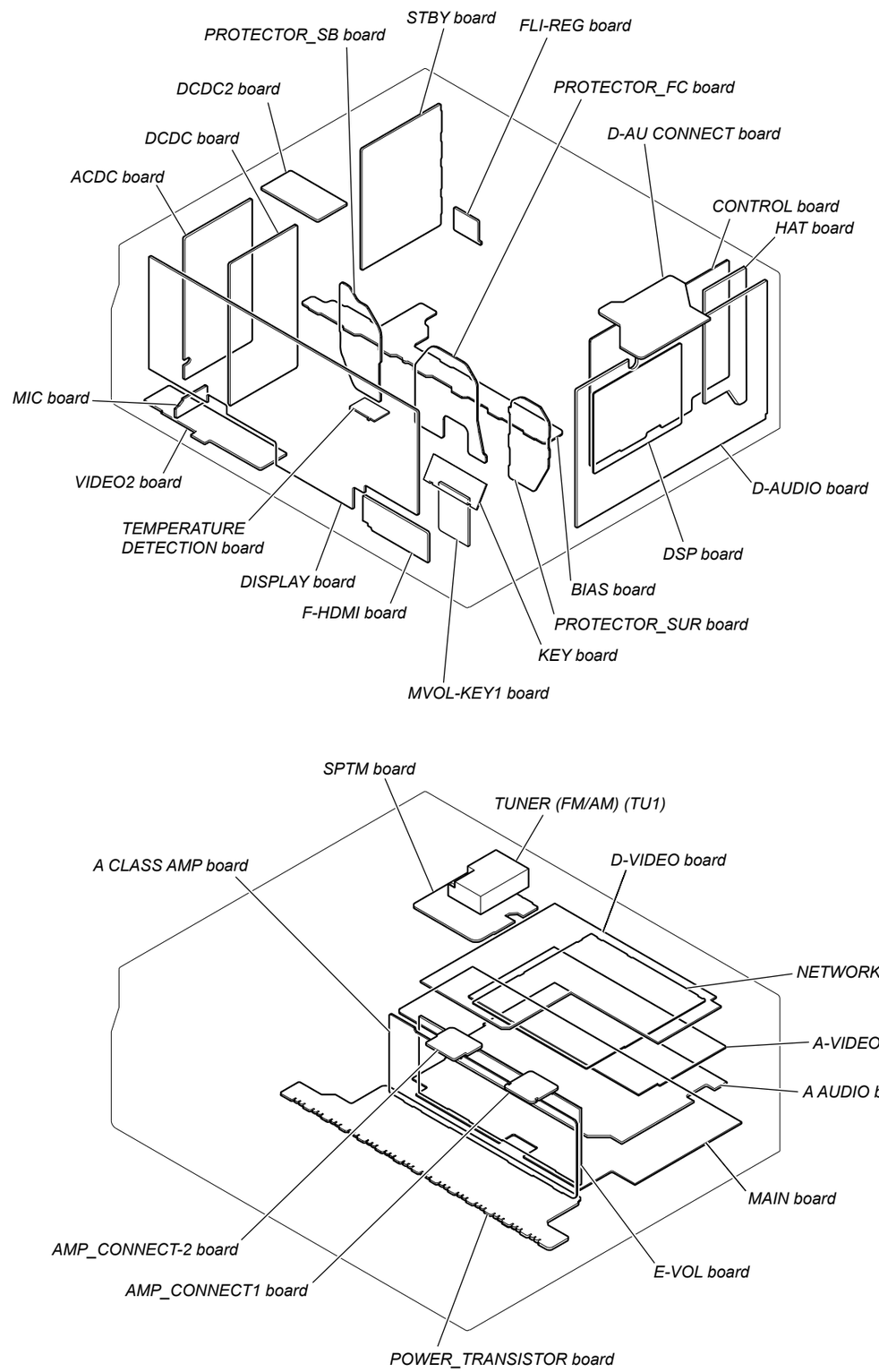
* Replacement of IC3601 on the D-VIDEO board used in this set requires a special tool.

- The voltage and waveform of CSP (chip size package) cannot be measured, because its lead layout is different from that of conventional IC.
- Abbreviation
  CND : Canadian model

Note 1: When replacing the D-AUDIO board in this unit for AEP and UK models, refer to "NOTE OF REPLACING THE IC2239 ON THE D-AUDIO BOARD AND THE COMPLETE D-AUDIO BOARD" (page 6).

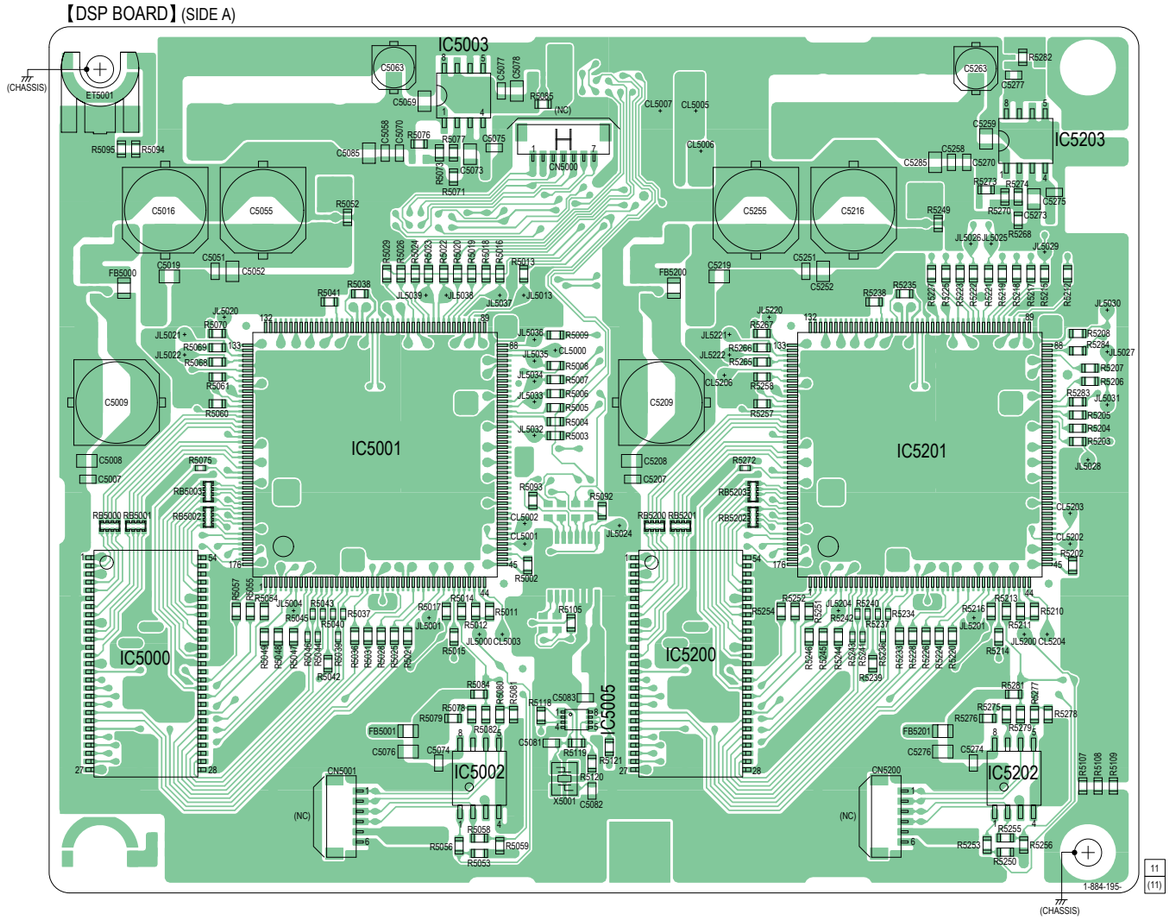
Note 2: When replacing the NETWORK board, refer to "NOTE OF REPLACING THE NETWORK BOARD" (page 5).

- **Circuit Boards Location**

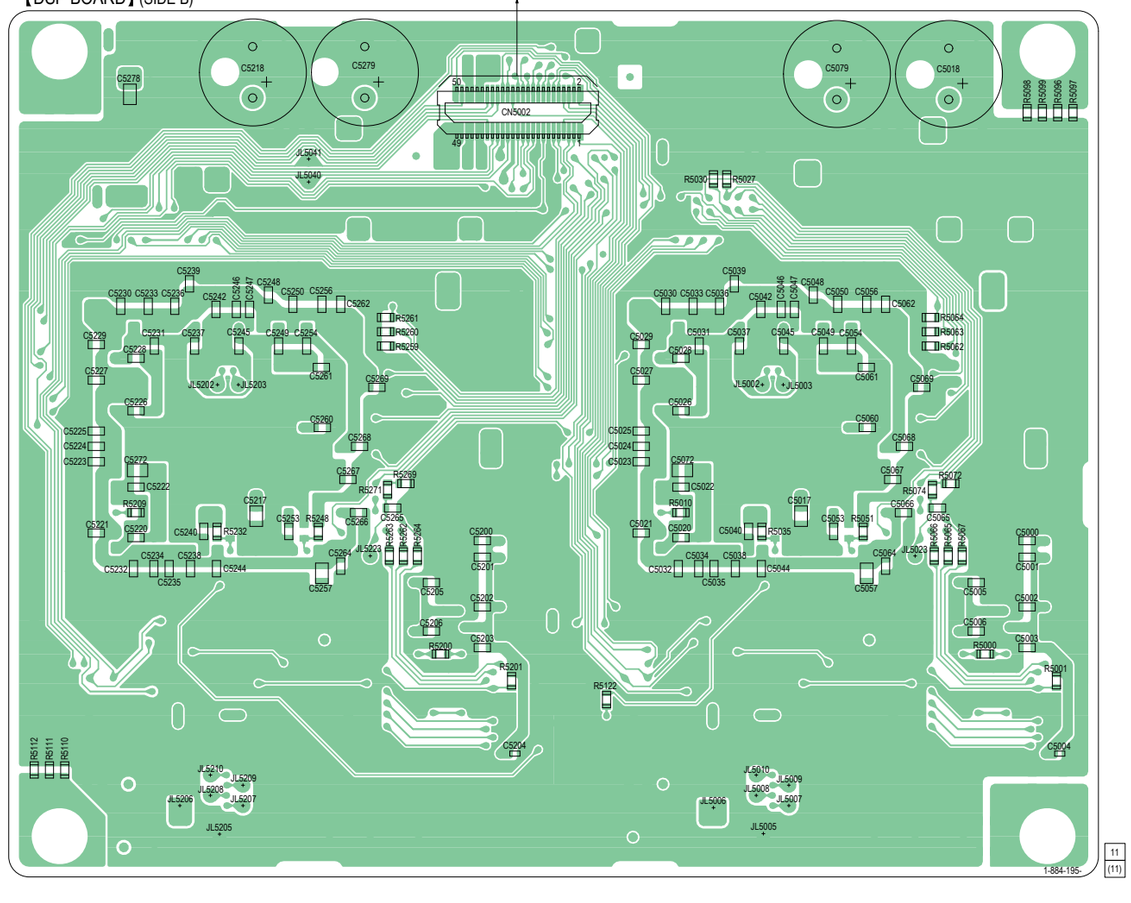


5-17. PRINTED WIRING BOARD - DSP Board - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.

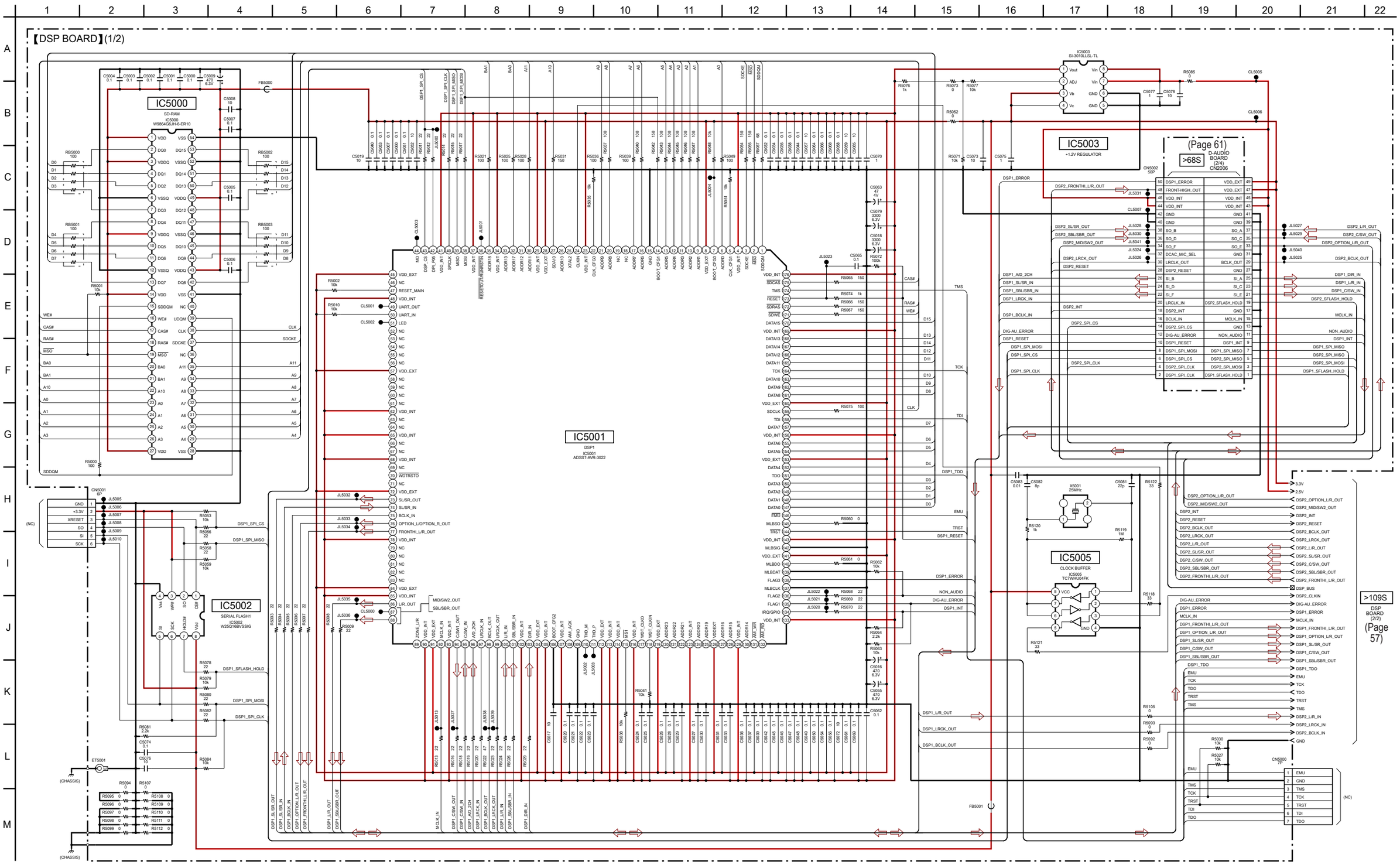
【DSP BOARD】(SIDE A)



【DSP BOARD】(SIDE B)



5-18. SCHEMATIC DIAGRAM - DSP Board (1/2) - • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.



5-19. SCHEMATIC DIAGRAM - DSP Board (2/2) - • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.

【DSP BOARD】(2/2)

IC5200
SD-RAM
IC5200
W9864G6JH-6-ER10

IC5201
DSP2
IC5201
ADSST-AVR-3023

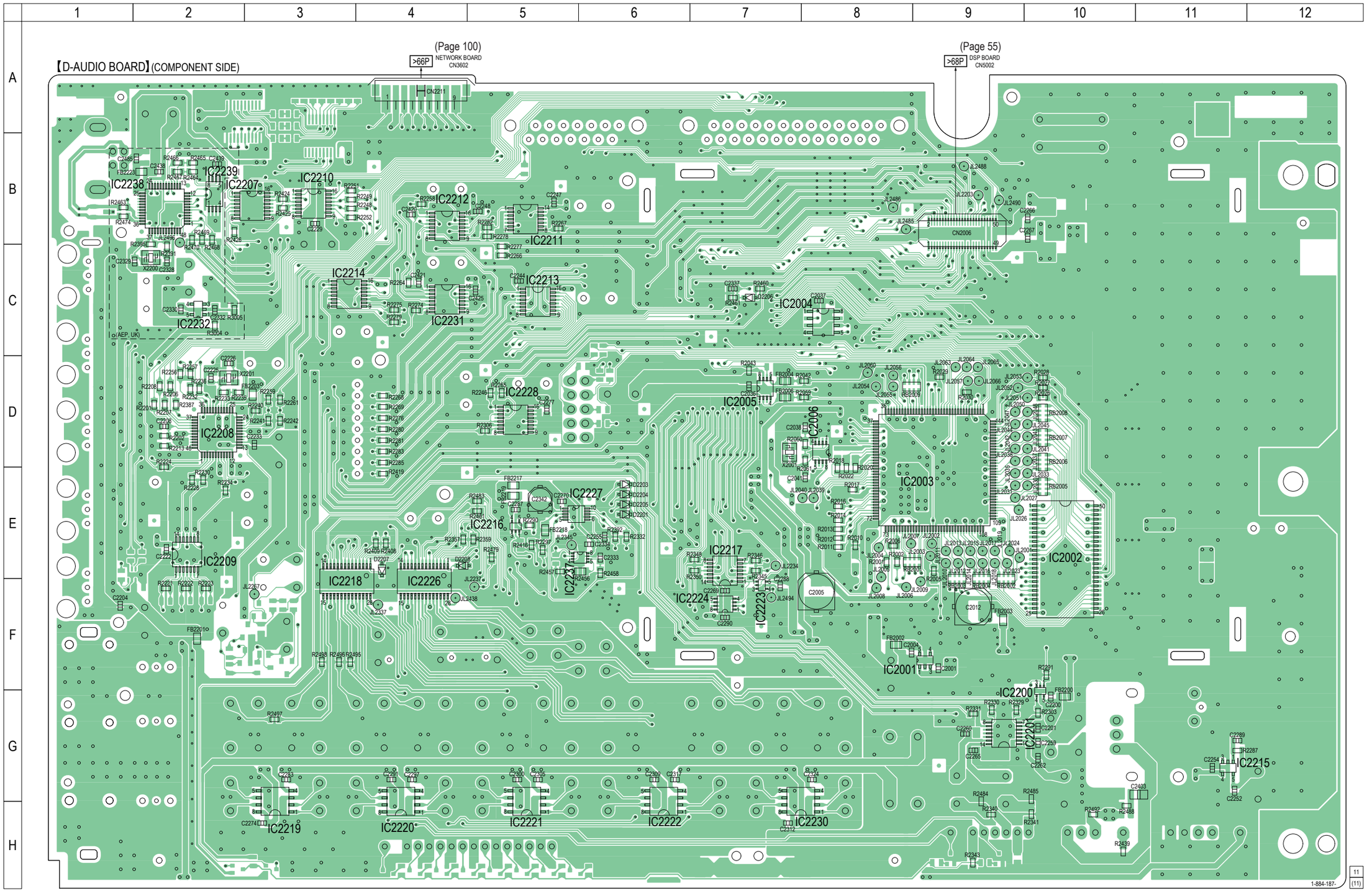
IC5202
SERIAL FLASH2
IC5202
W25Q16BVSSIG

IC5203
+1.2V REGULATOR
IC5203
SI-3010LLSL-TL

>109S
DISPLAY BOARD (1/2)
(Page 56)

5-20. PRINTED WIRING BOARD - D-AUDIO Board (Component Side) -

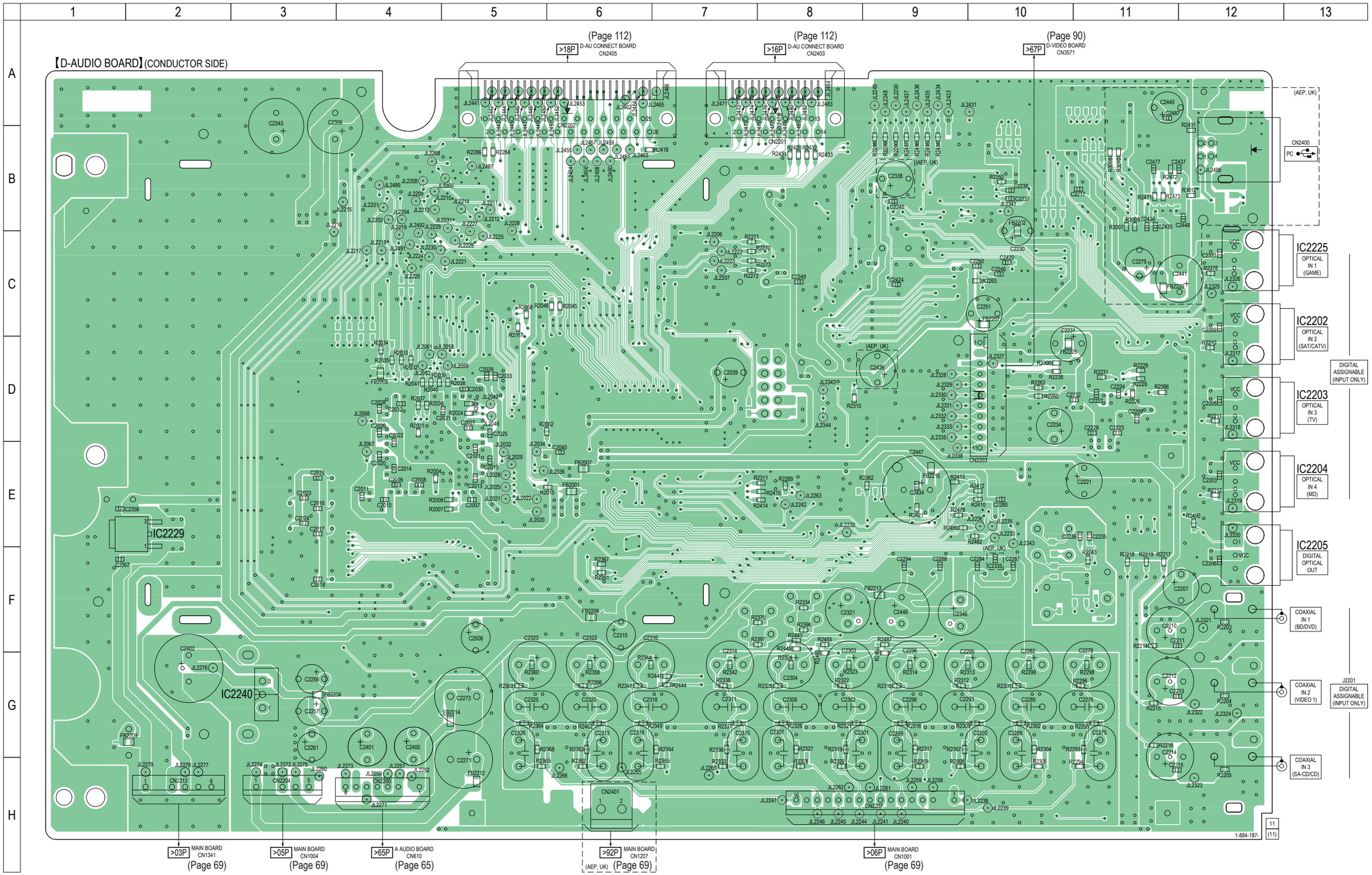
• See page 54 for Circuit Boards Location. • : Uses unleaded solder.



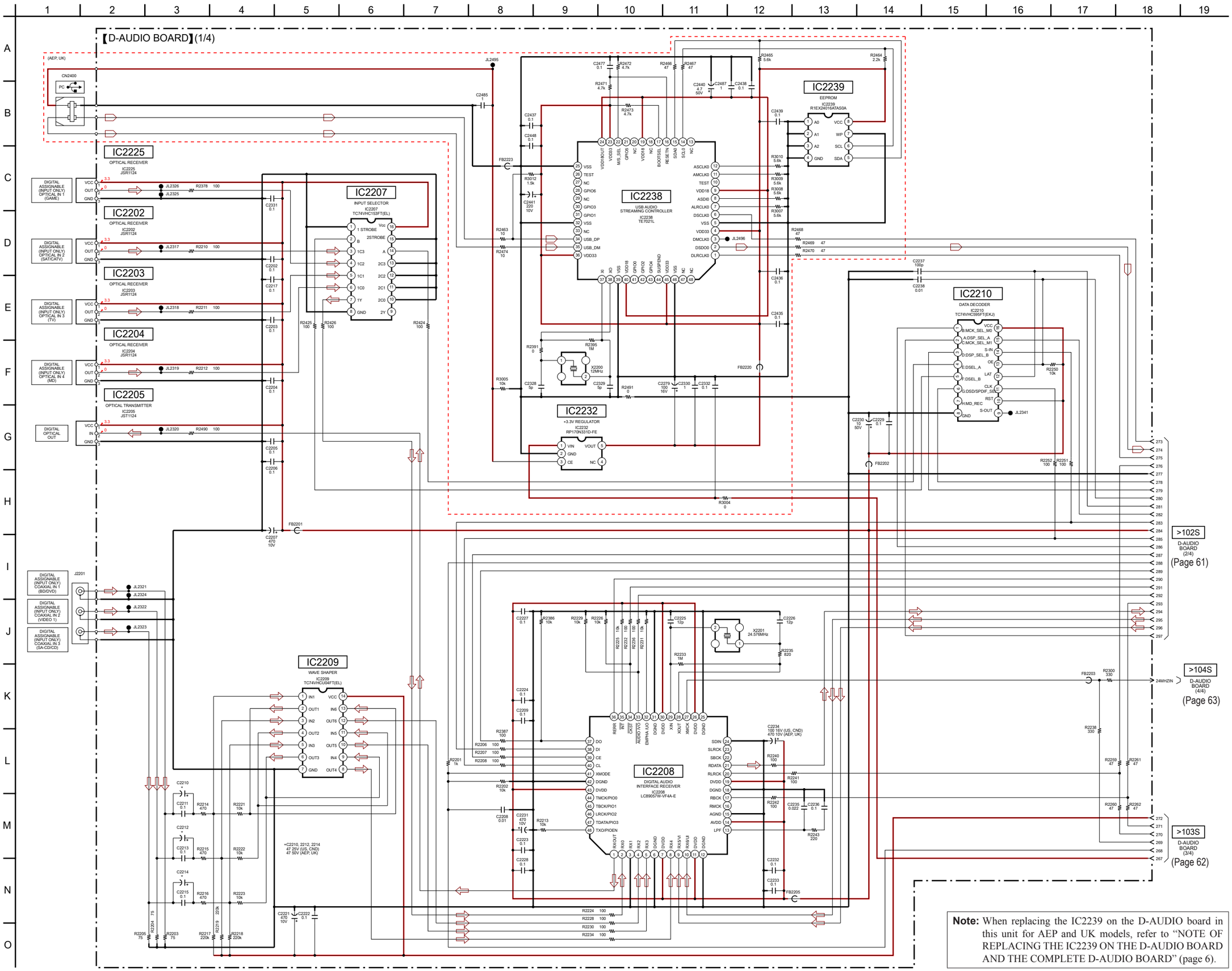
Note: When replacing the IC2239 on the D-AUDIO board in this unit for AEP and UK models, refer to "NOTE OF REPLACING THE IC2239 ON THE D-AUDIO BOARD AND THE COMPLETE D-AUDIO BOARD" (page 6).

5-21. PRINTED WIRING BOARD - D-AUDIO Board (Conductor Side) -

• See page 54 for Circuit Boards Location. • : Uses unleaded solder.

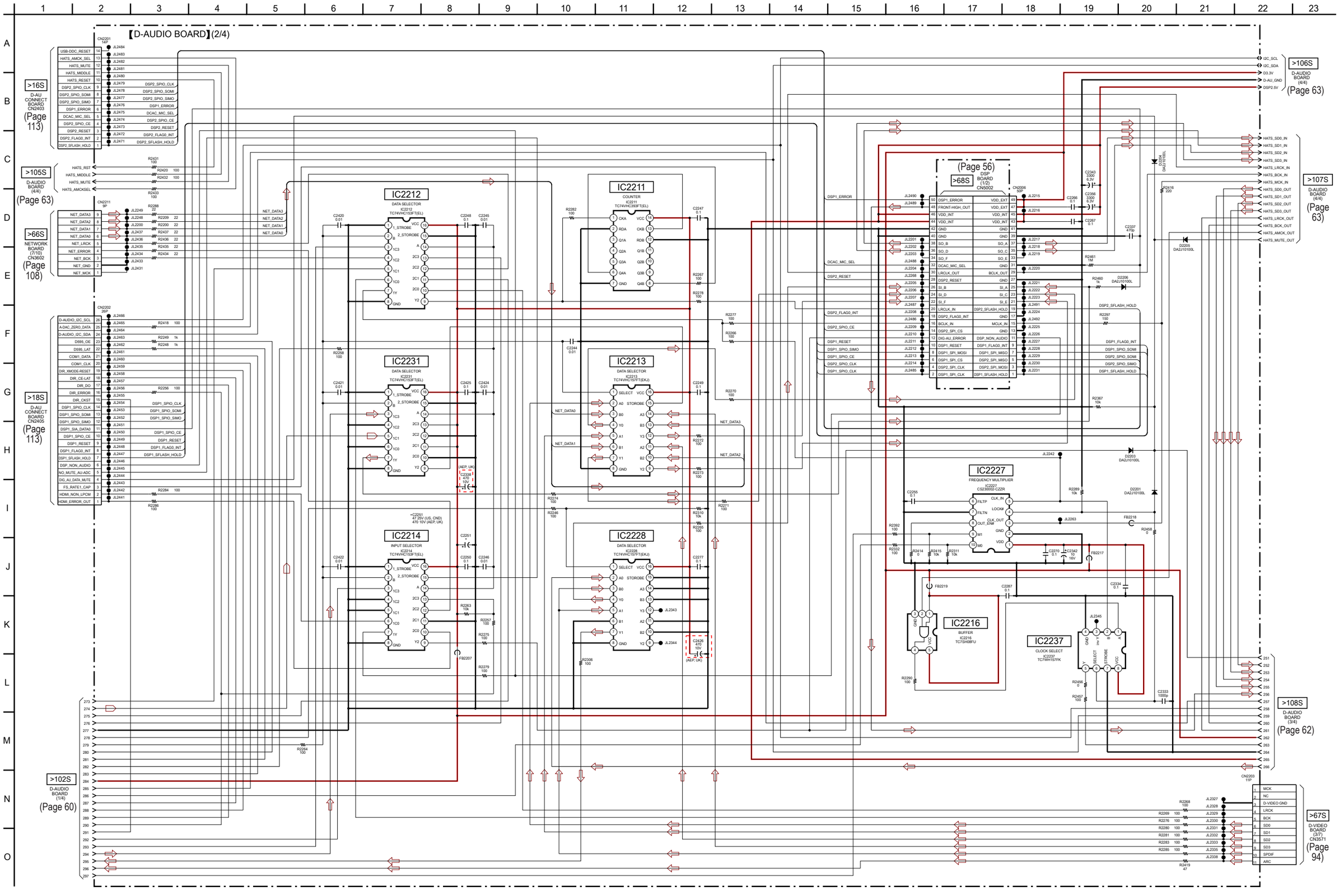


5-22. SCHEMATIC DIAGRAM - D-AUDIO Board (1/4) - • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.

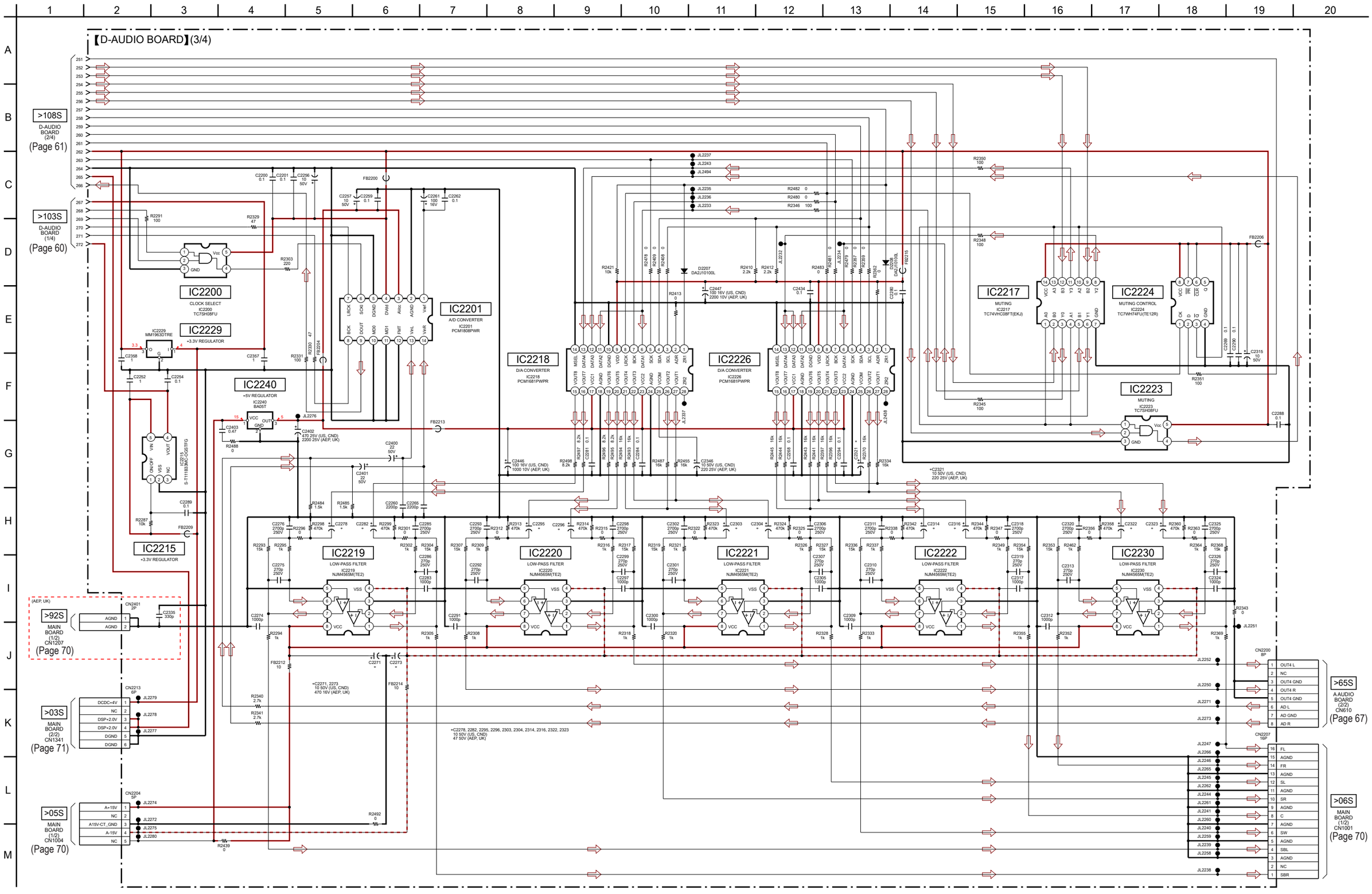


Note: When replacing the IC2239 on the D-AUDIO board in this unit for AEP and UK models, refer to "NOTE OF REPLACING THE IC2239 ON THE D-AUDIO BOARD AND THE COMPLETE D-AUDIO BOARD" (page 6).

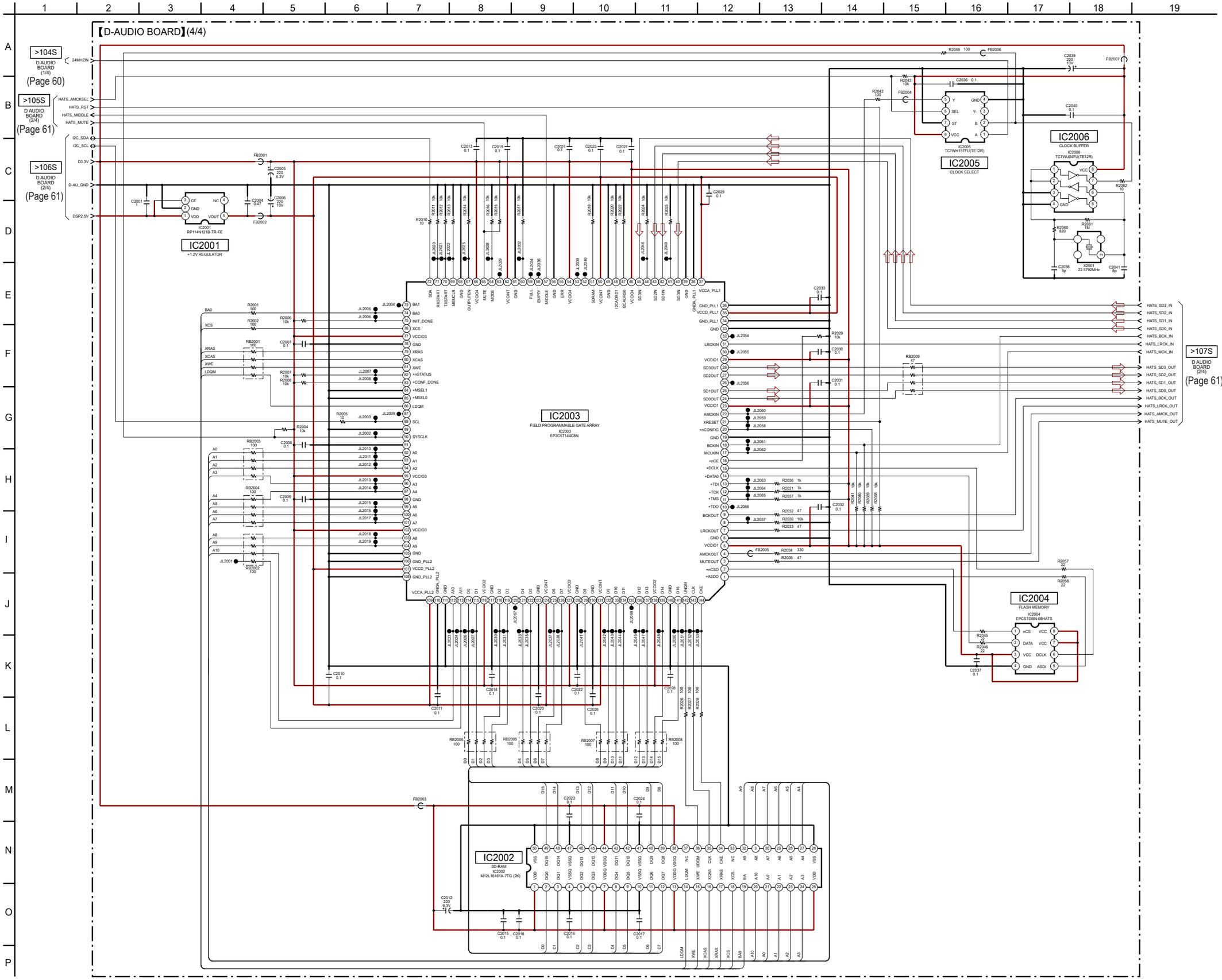
5-23. SCHEMATIC DIAGRAM - D-AUDIO Board (2/4) - • See page 131 for IC Block Diagrams.



5-24. SCHEMATIC DIAGRAM - D-AUDIO Board (3/4) - • See page 131 for IC Block Diagrams.

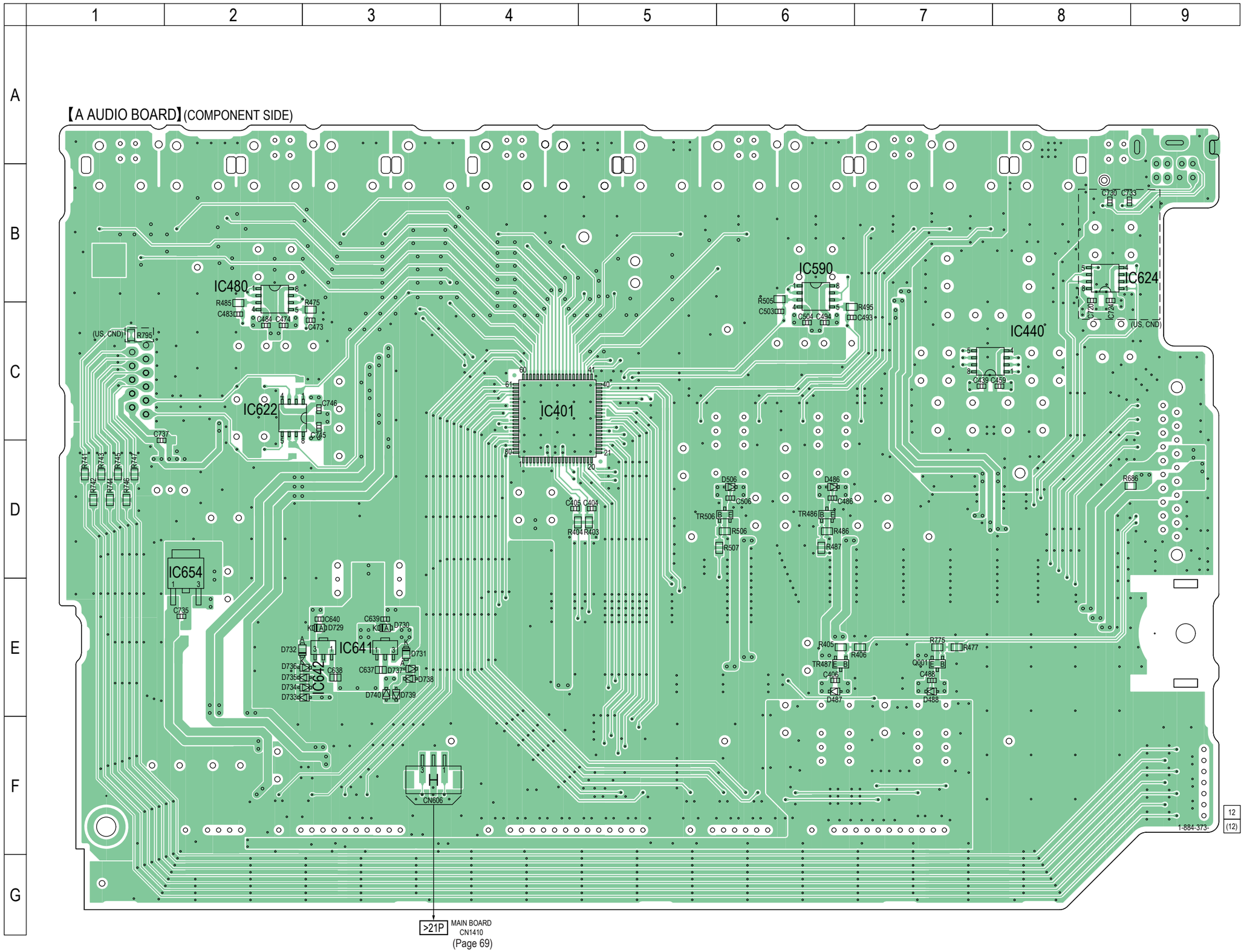


5-25. SCHEMATIC DIAGRAM - D-AUDIO Board (4/4) - • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.

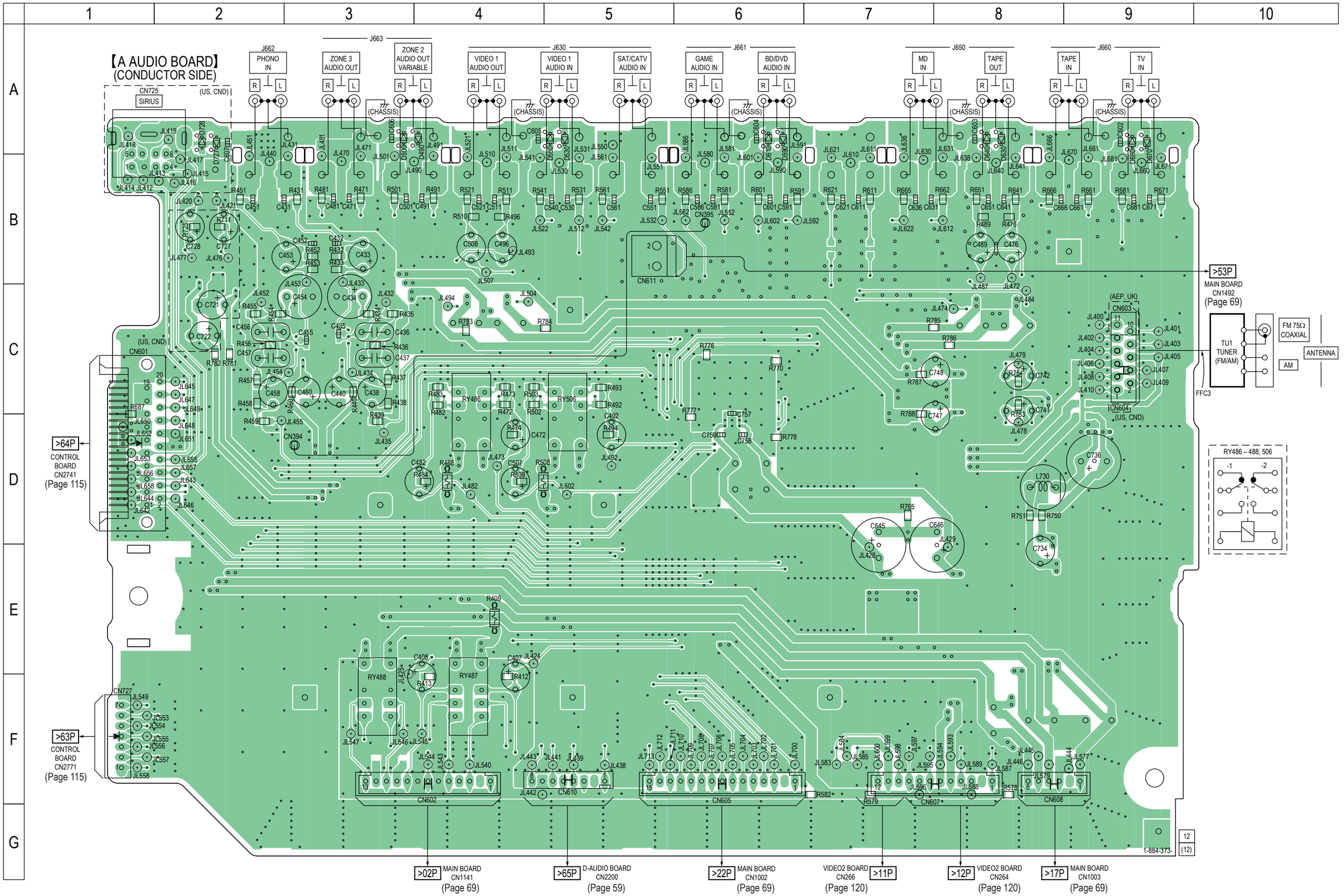


5-26. PRINTED WIRING BOARD - A AUDIO Board (Component Side) -

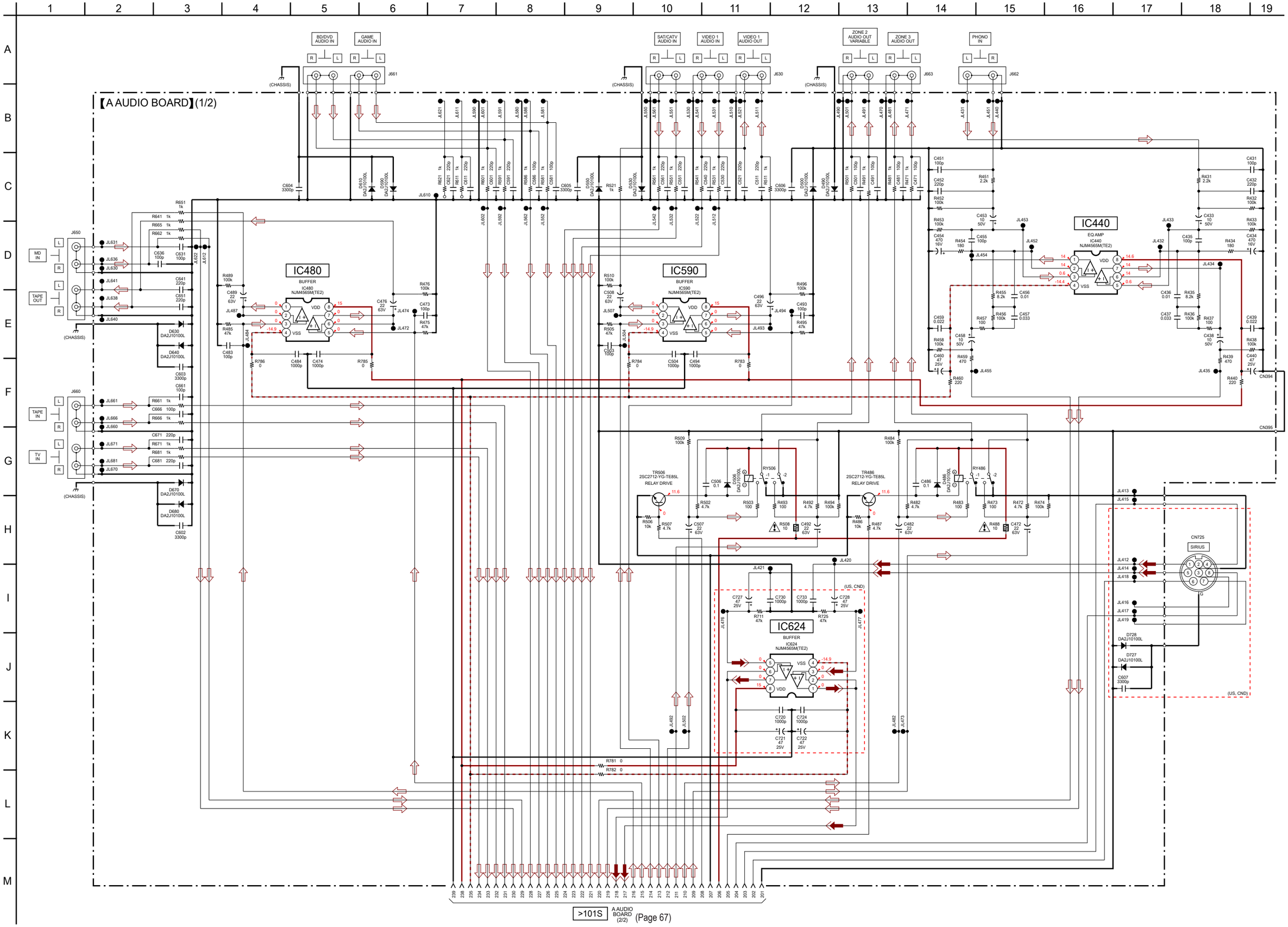
• See page 54 for Circuit Boards Location. • : Uses unleaded solder.



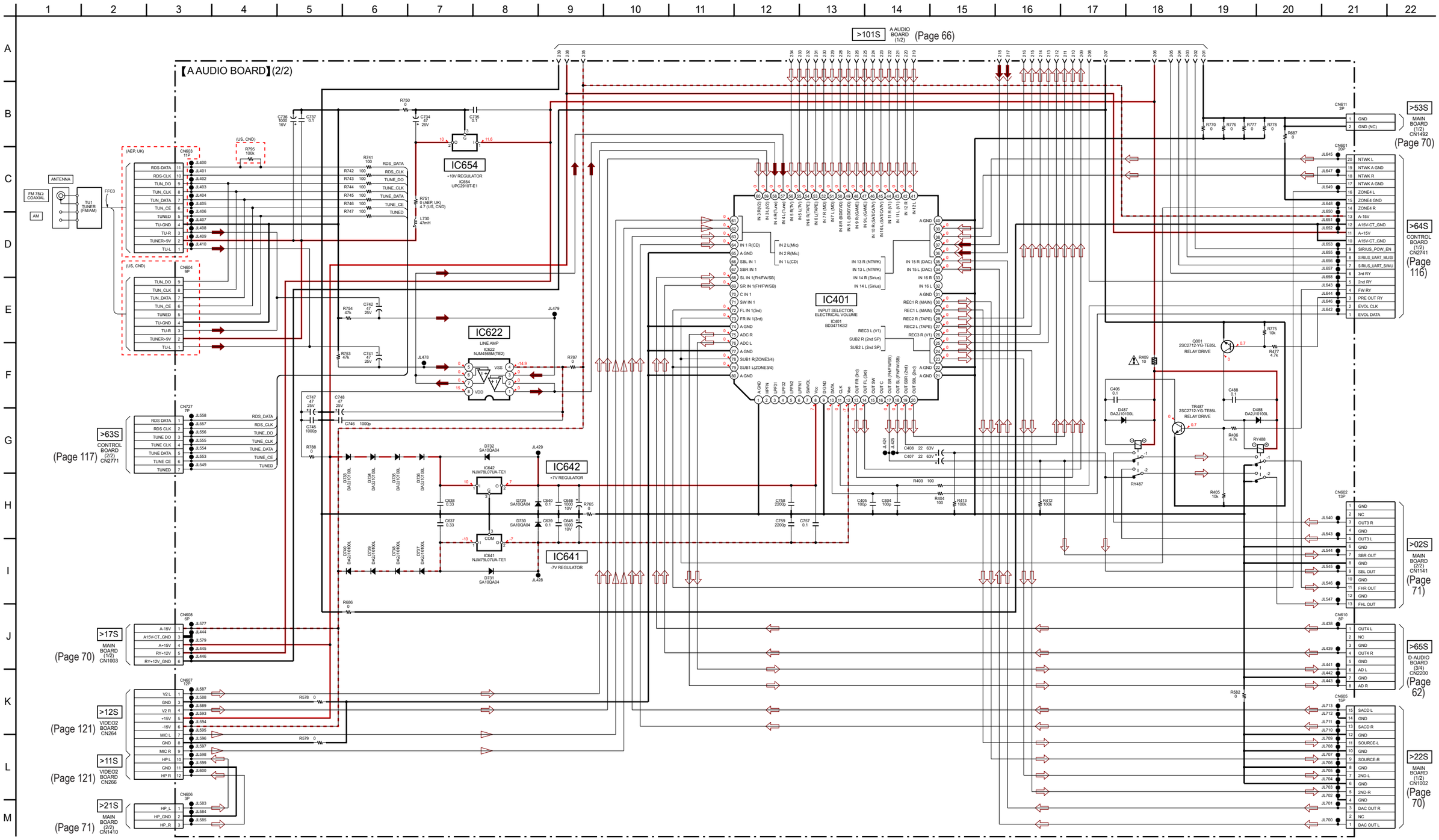
5-27. PRINTED WIRING BOARD - A AUDIO Board (Conductor Side) - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.



5-28. SCHEMATIC DIAGRAM - A AUDIO Board (1/2) -

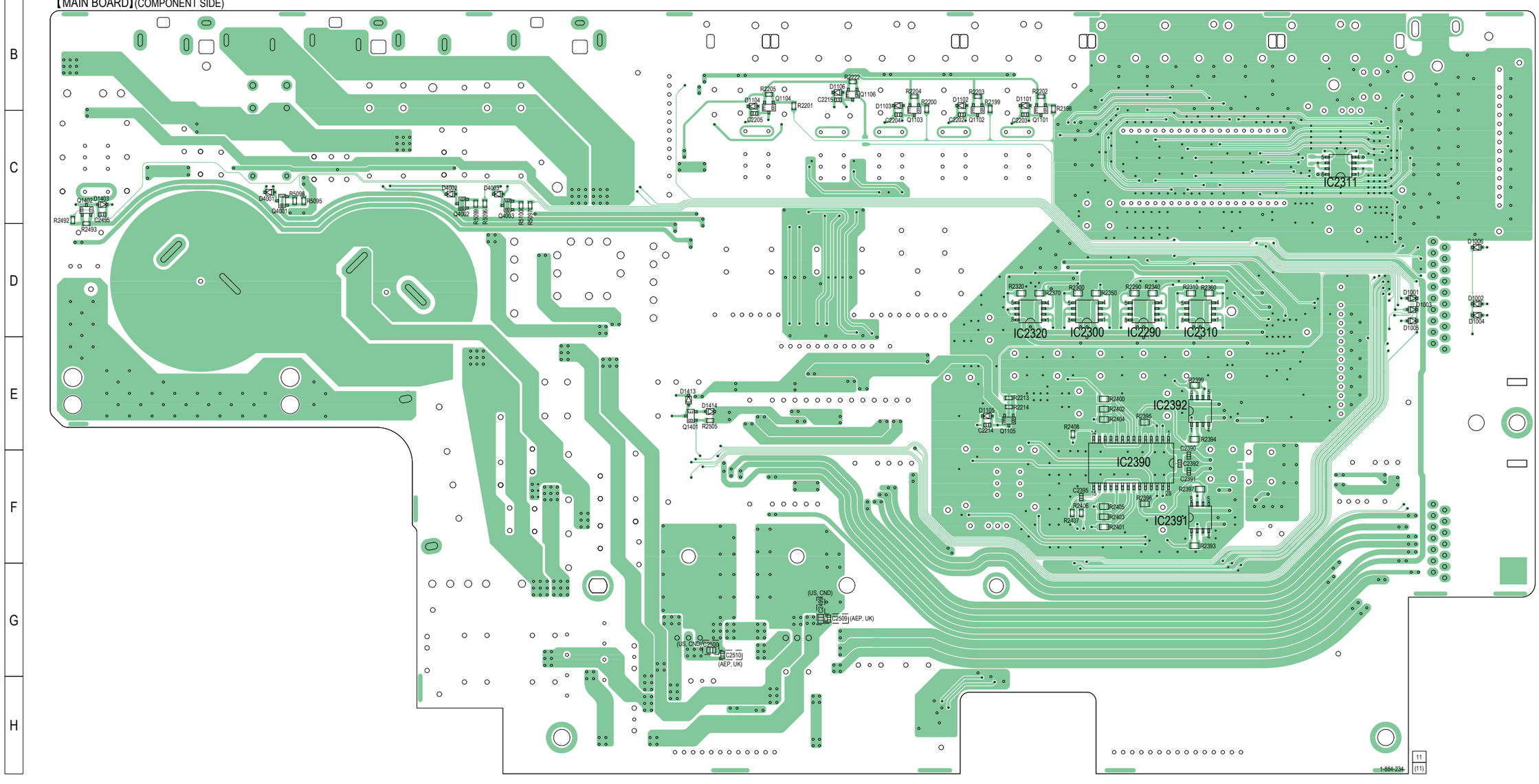


5-29. SCHEMATIC DIAGRAM - A AUDIO Board (2/2) - • See page 131 for IC Block Diagrams.

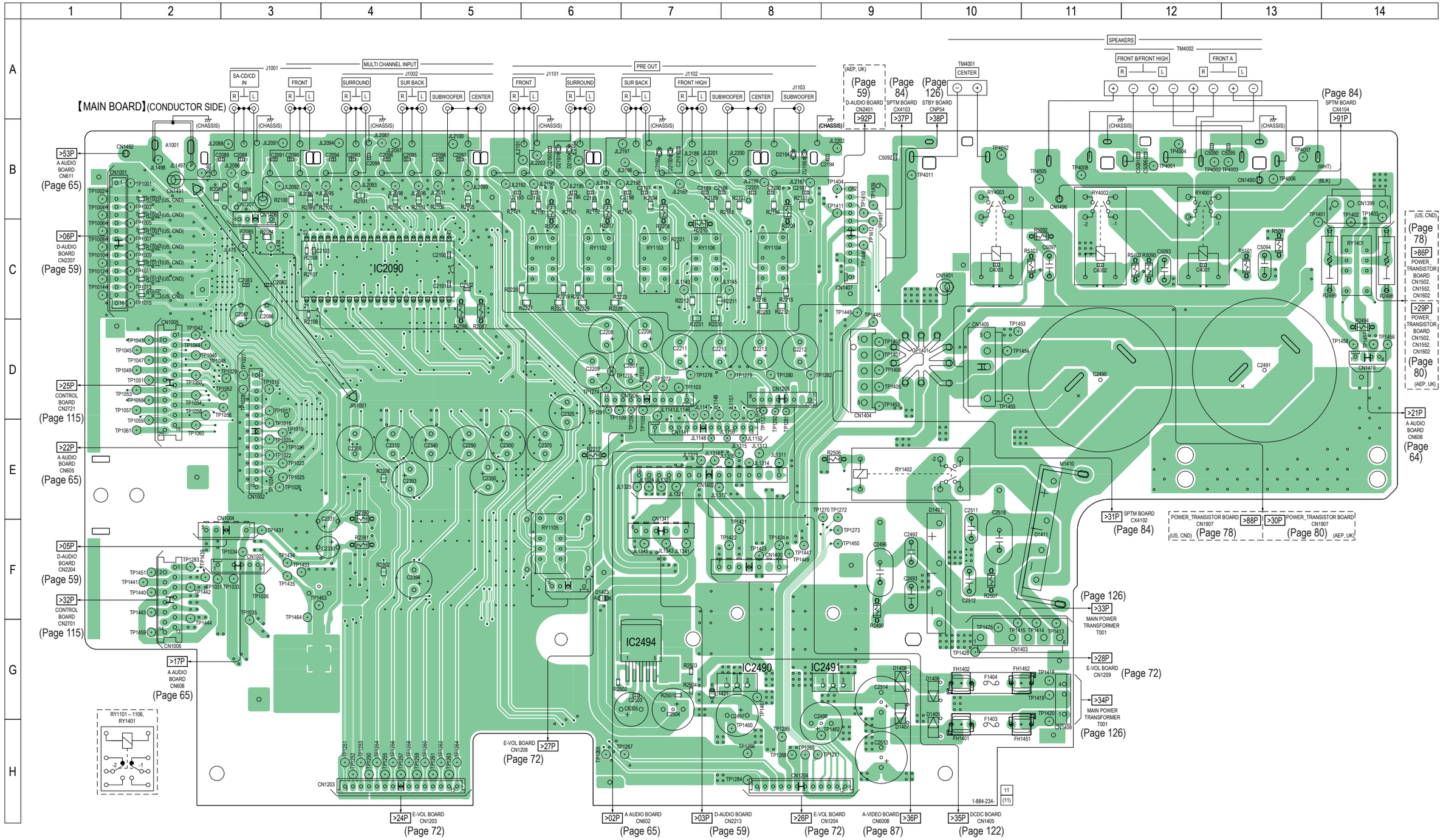


5-30. PRINTED WIRING BOARD - MAIN Board (Component Side) - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.

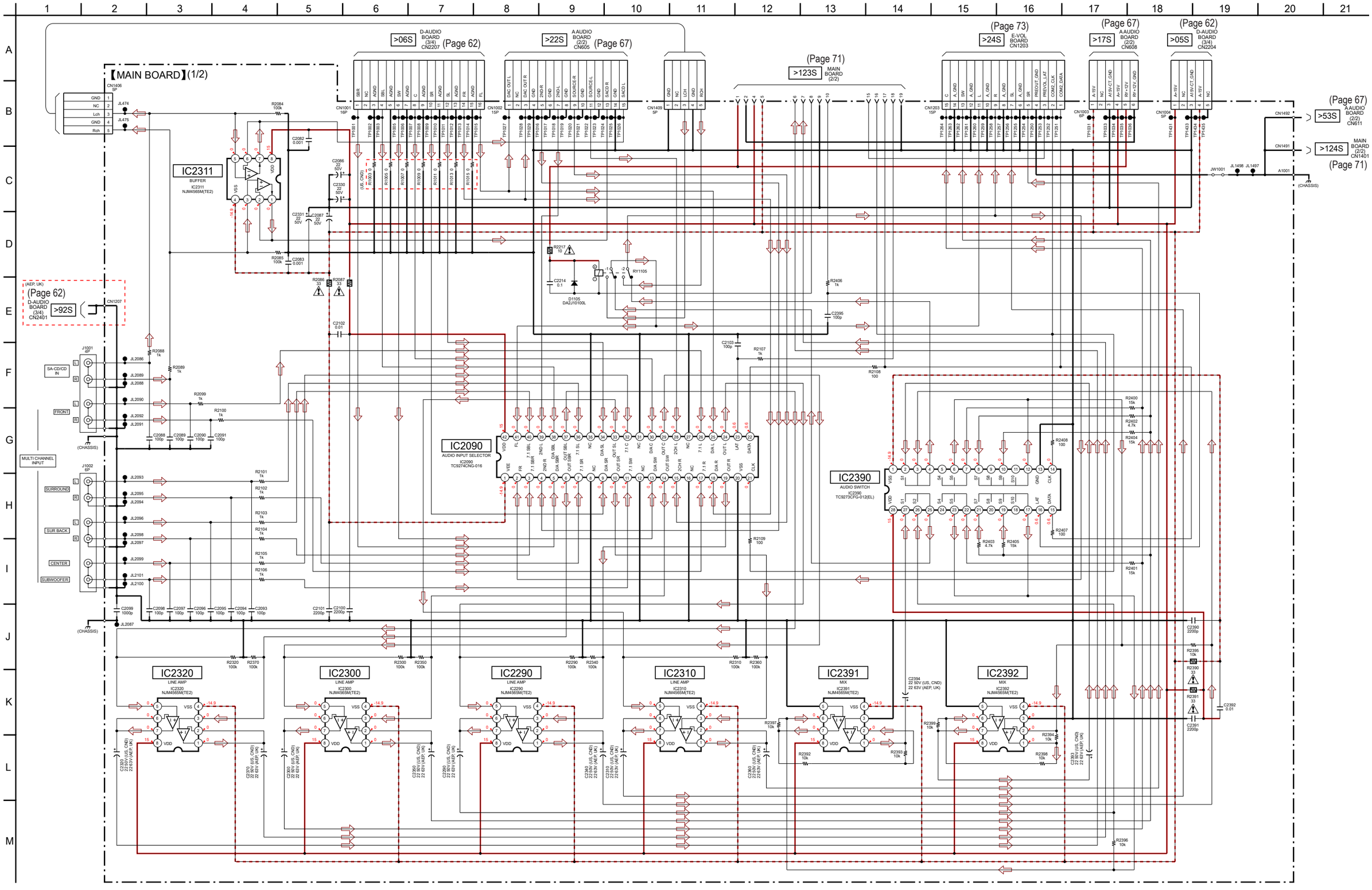
【MAIN BOARD】(COMPONENT SIDE)



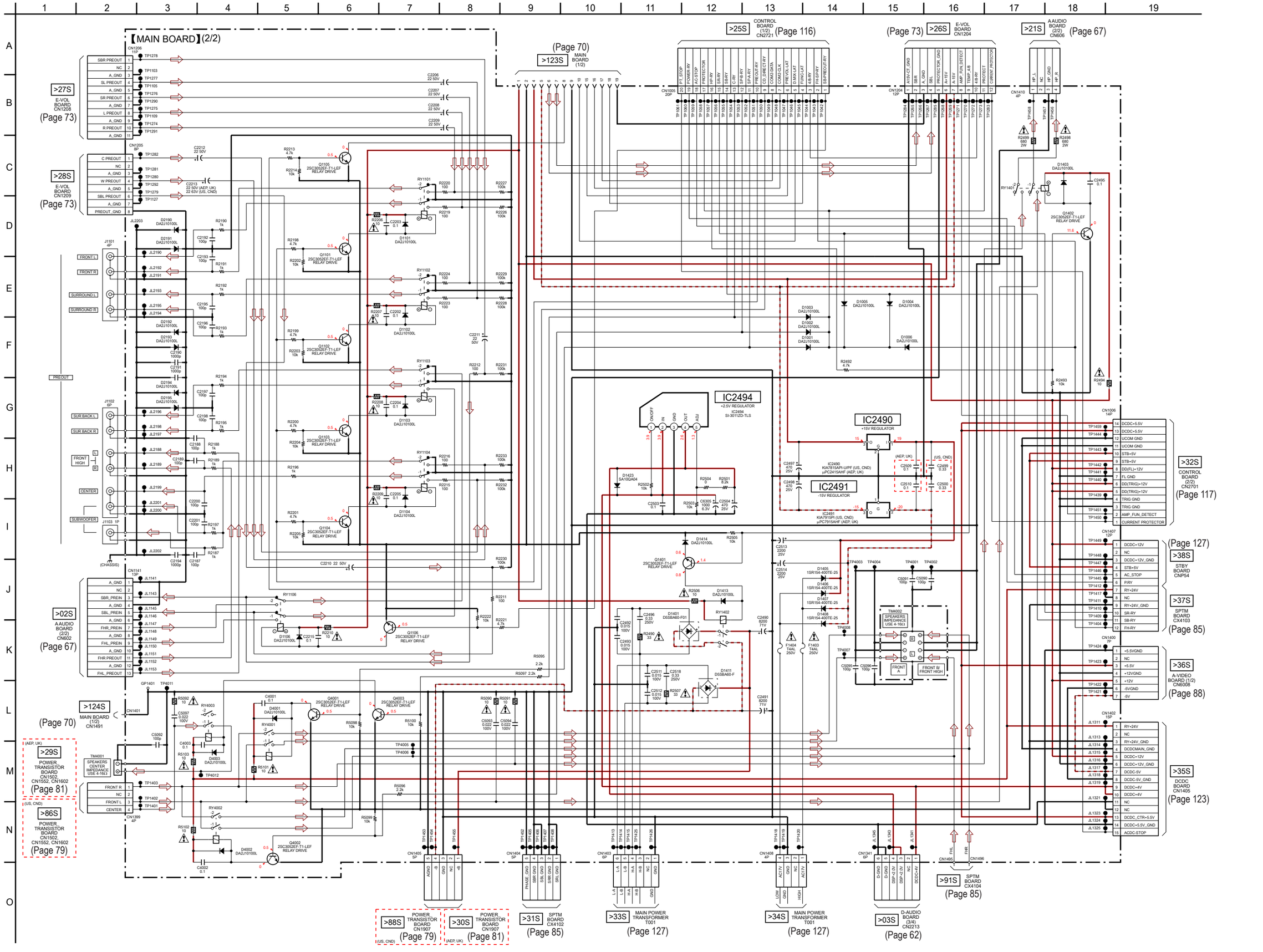
5-31. PRINTED WIRING BOARD - MAIN Board (Conductor Side) - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.



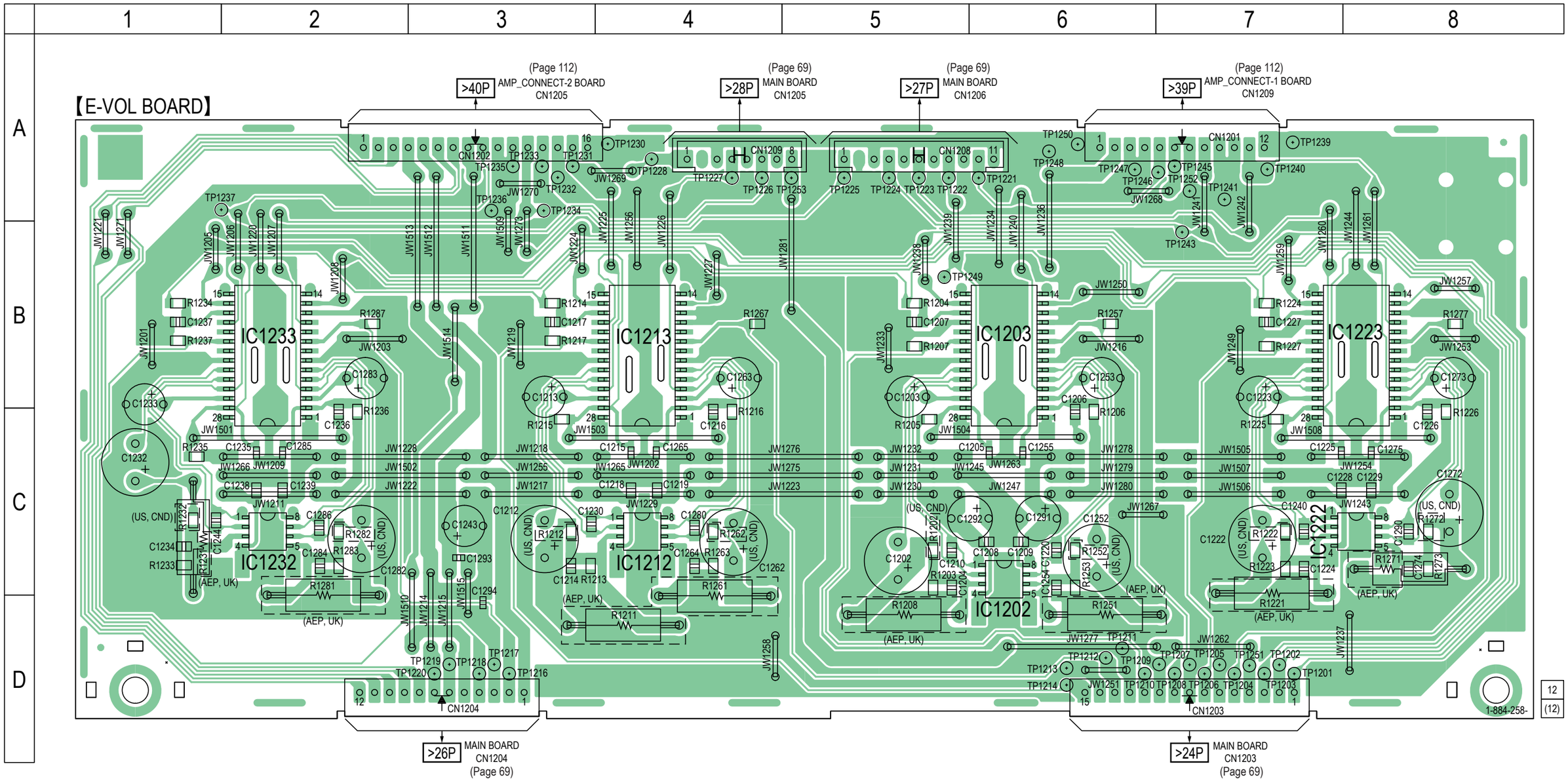
5-32. SCHEMATIC DIAGRAM - MAIN Board (1/2) - • See page 131 for IC Block Diagrams.



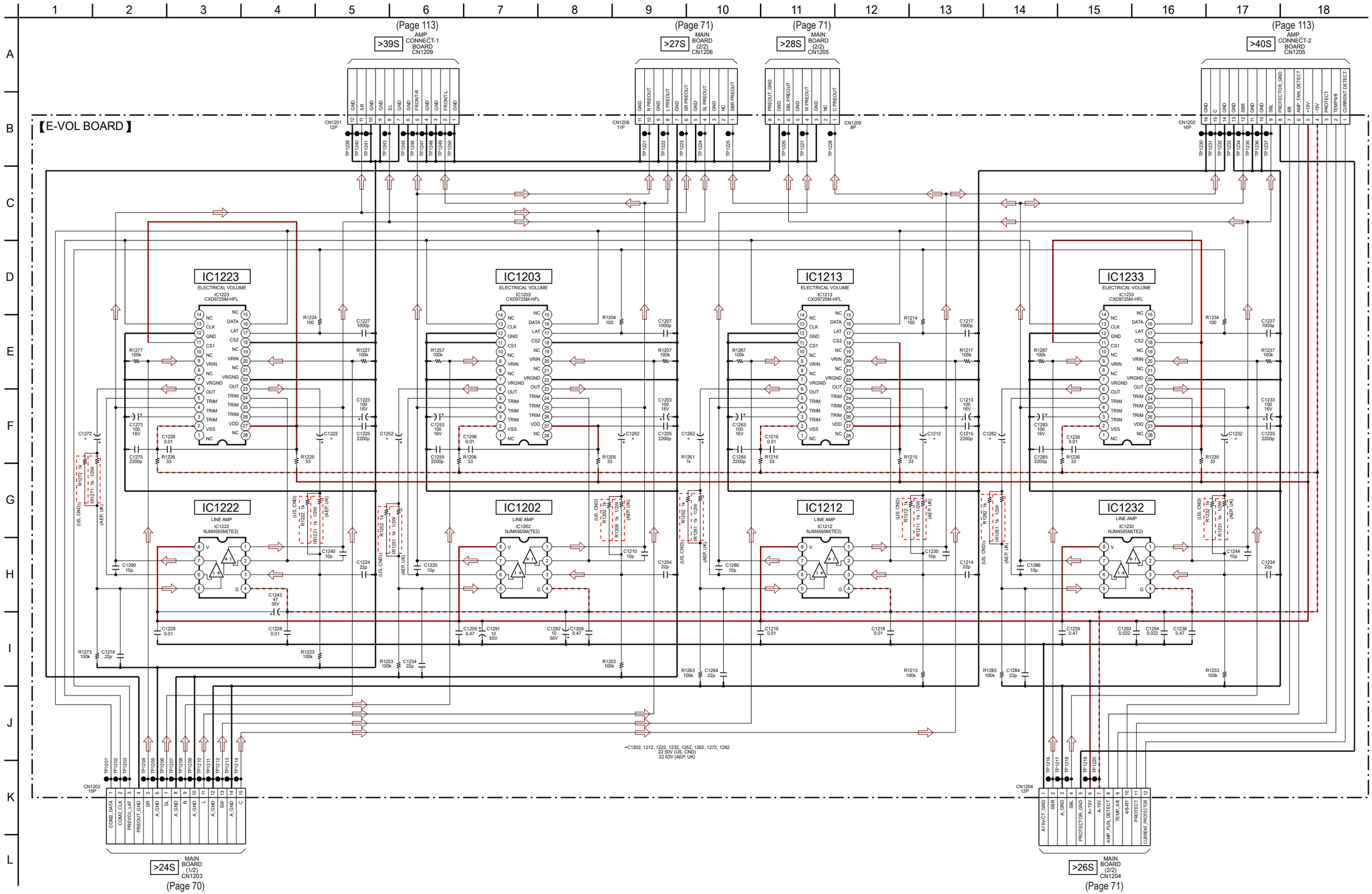
5-33. SCHEMATIC DIAGRAM - MAIN Board (2/2) - • See page 131 for IC Block Diagrams.



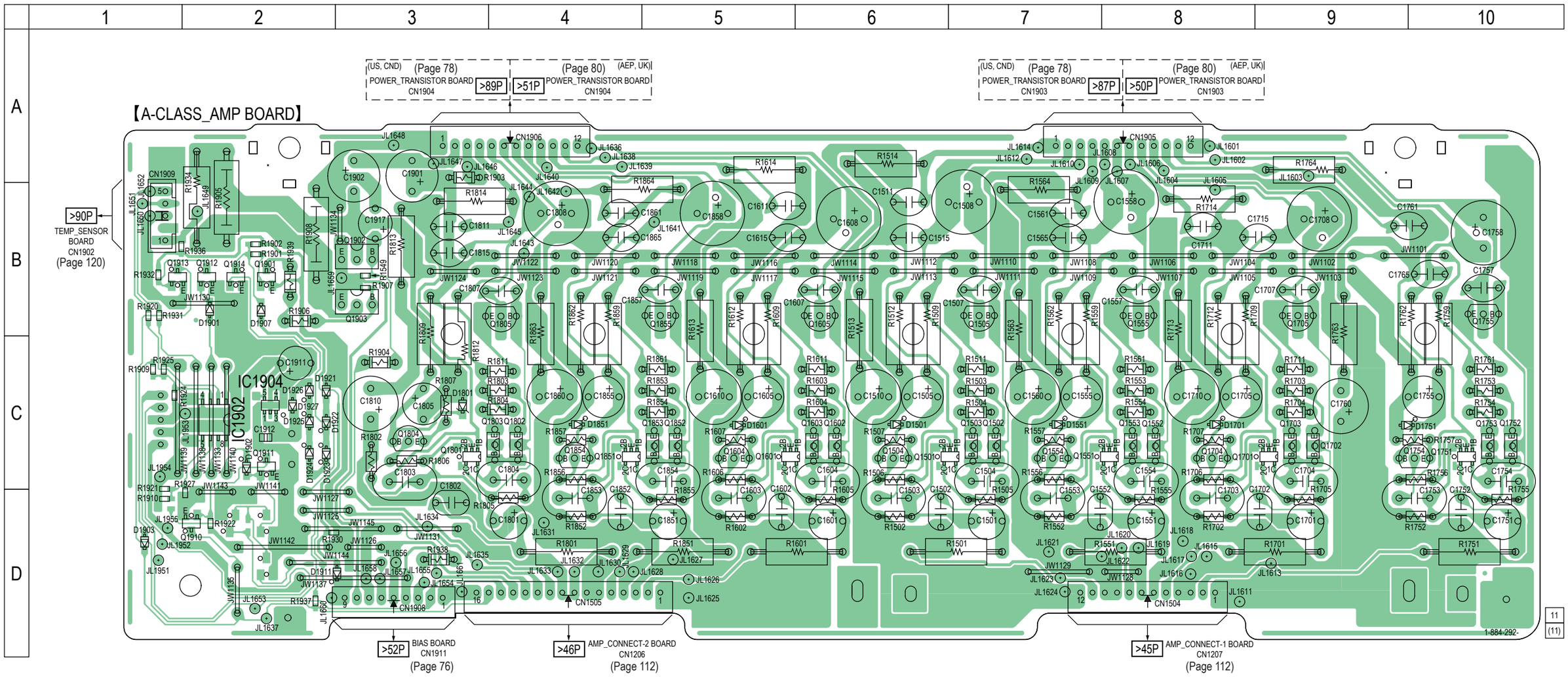
5-34. PRINTED WIRING BOARD - E-VOL Board - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.



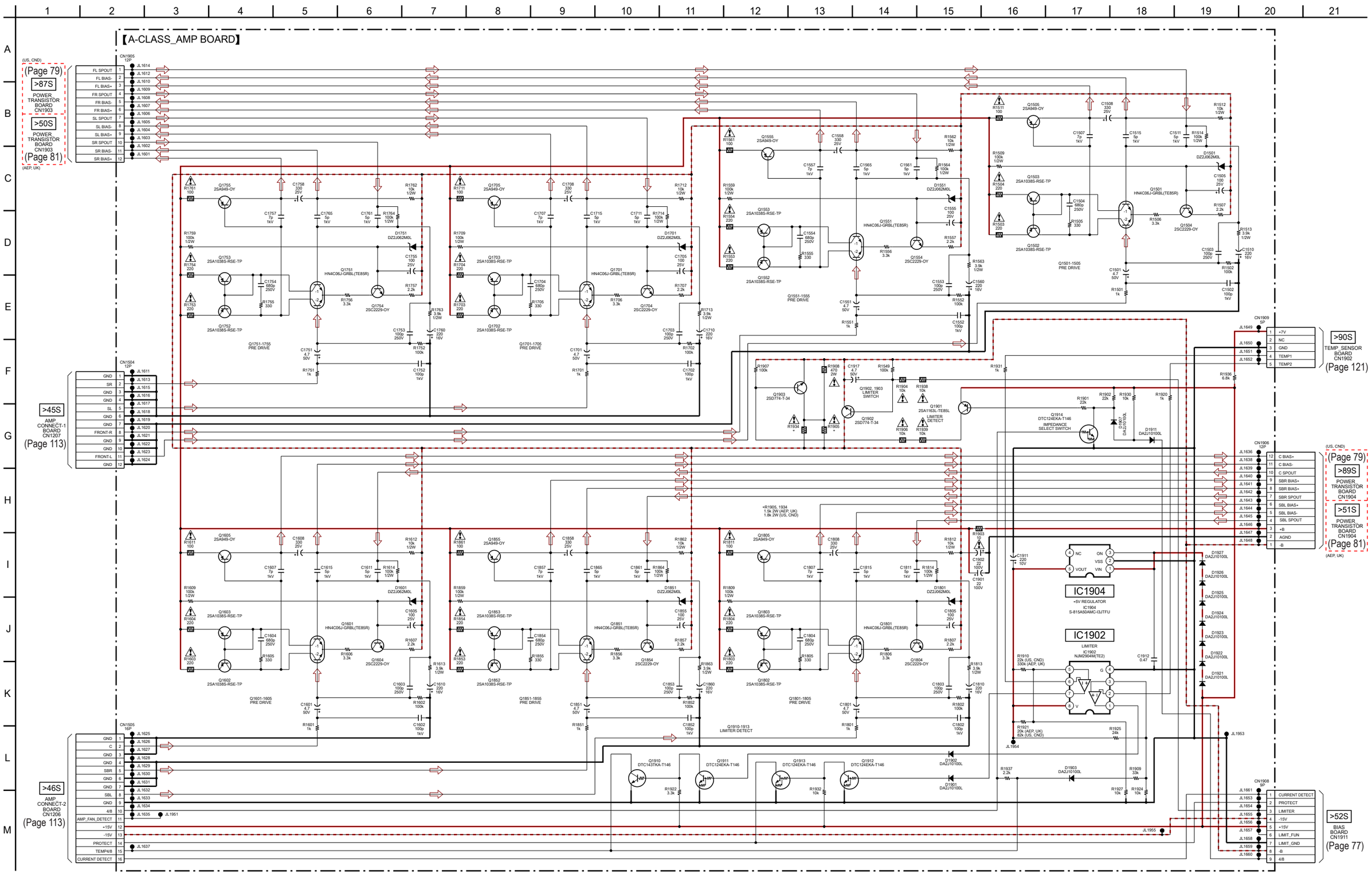
5-35. SCHEMATIC DIAGRAM - E-VOL Board - • See page 131 for IC Block Diagrams.



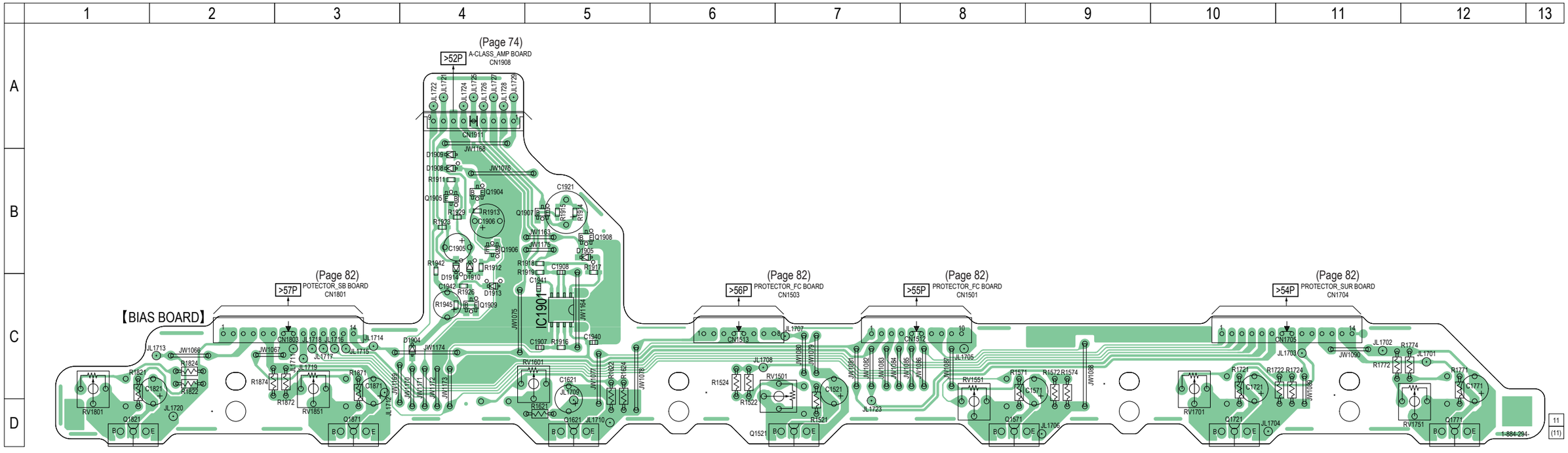
5-36. PRINTED WIRING BOARD - A-CLASS_AMP Board - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.



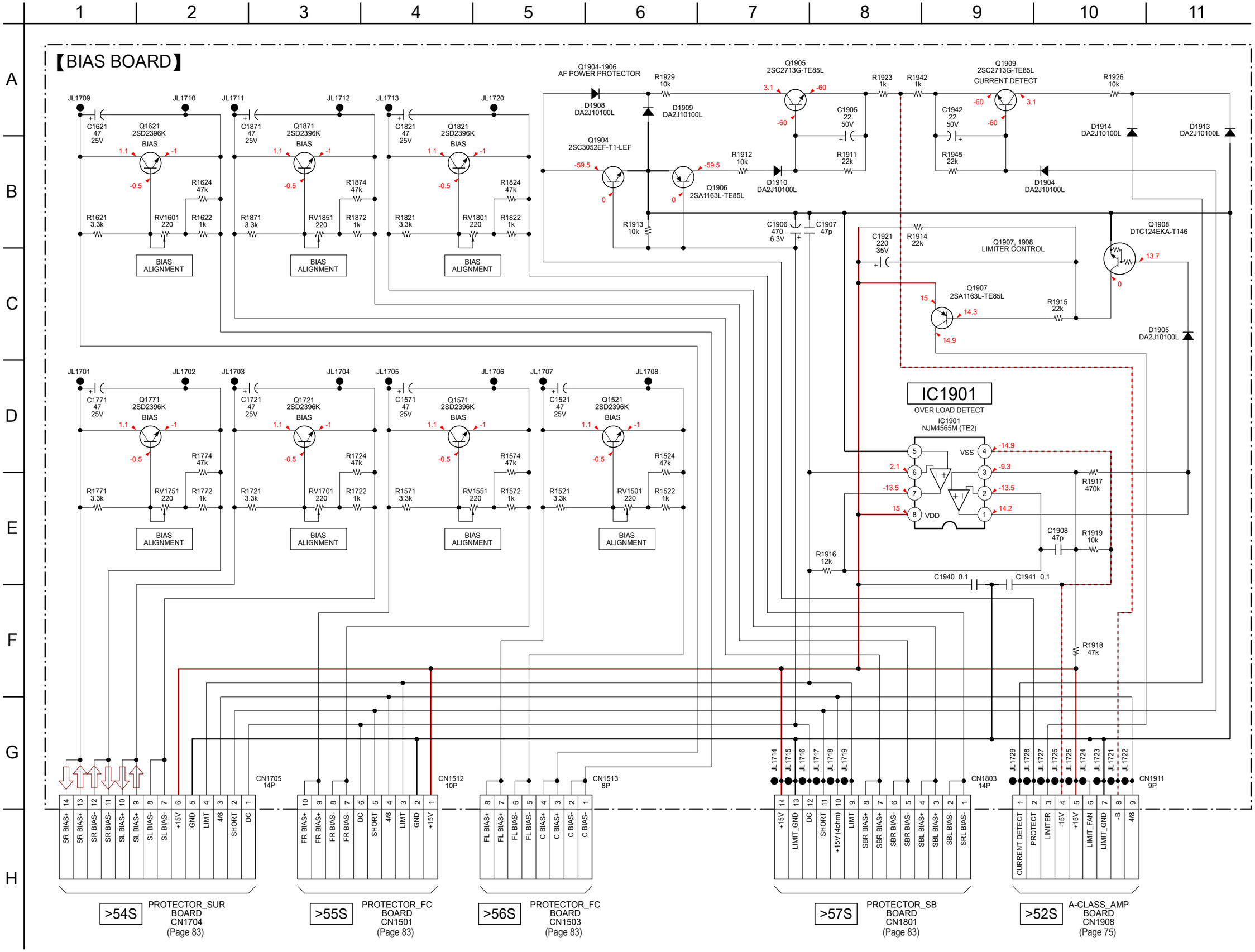
5-37. SCHEMATIC DIAGRAM - A-CLASS_AMP Board - • See page 131 for IC Block Diagrams.



5-38. PRINTED WIRING BOARD - BIAS Board - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.

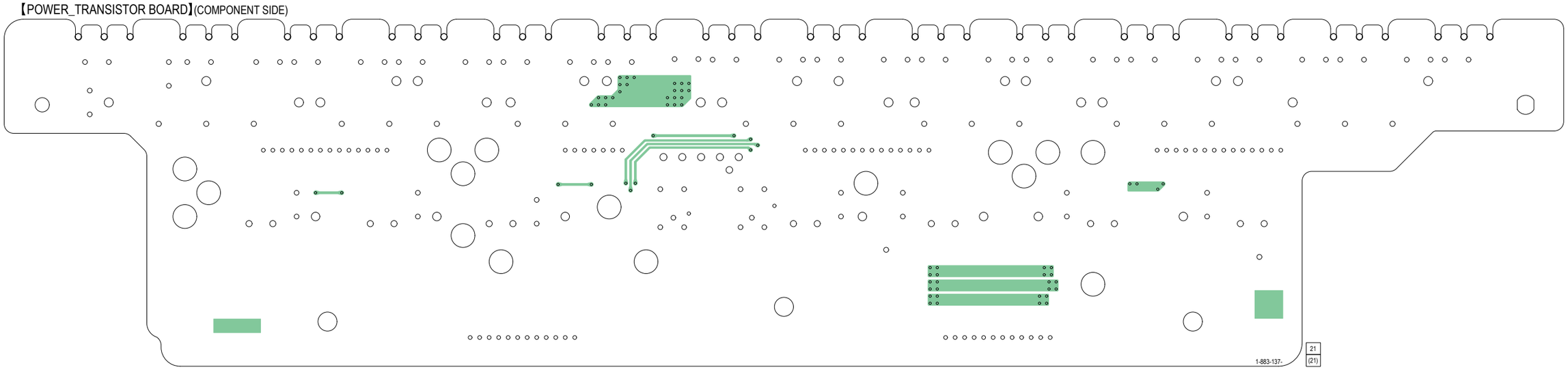


5-39. SCHEMATIC DIAGRAM - BIAS Board -

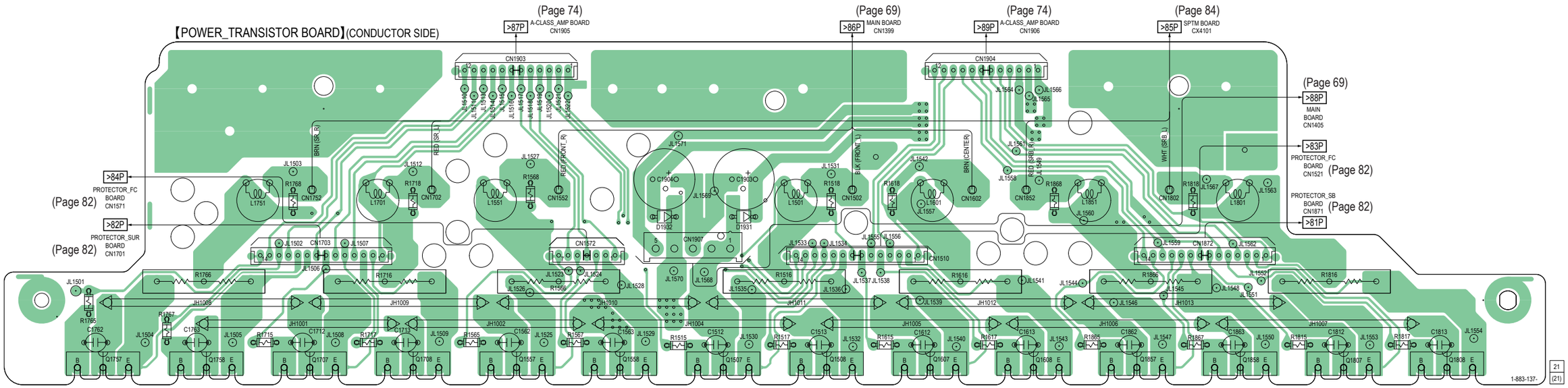


5-40. PRINTED WIRING BOARD - POWER_TRANSISTOR Board (US and Canadian models) - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.

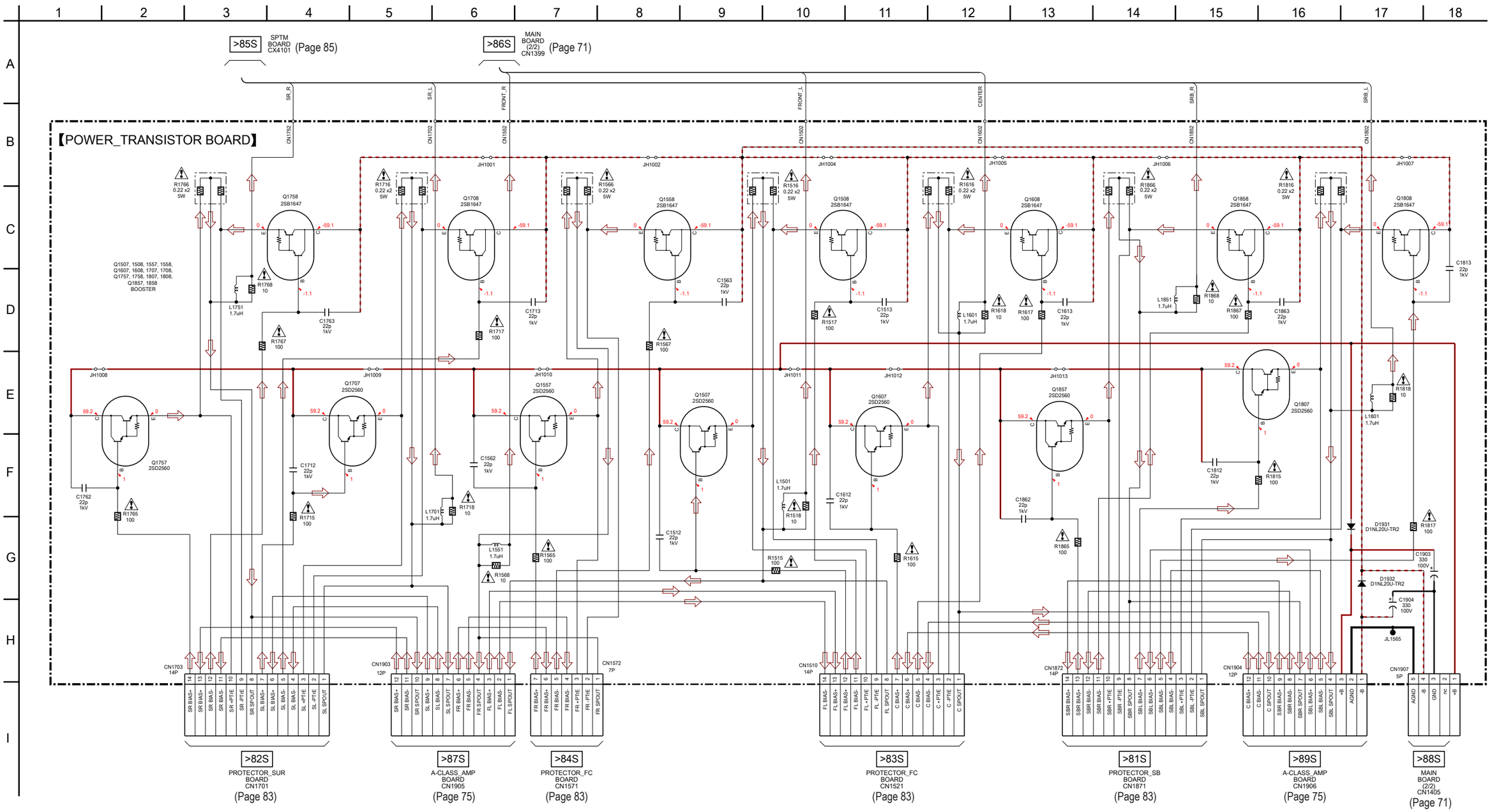
【POWER_TRANSISTOR BOARD】(COMPONENT SIDE)



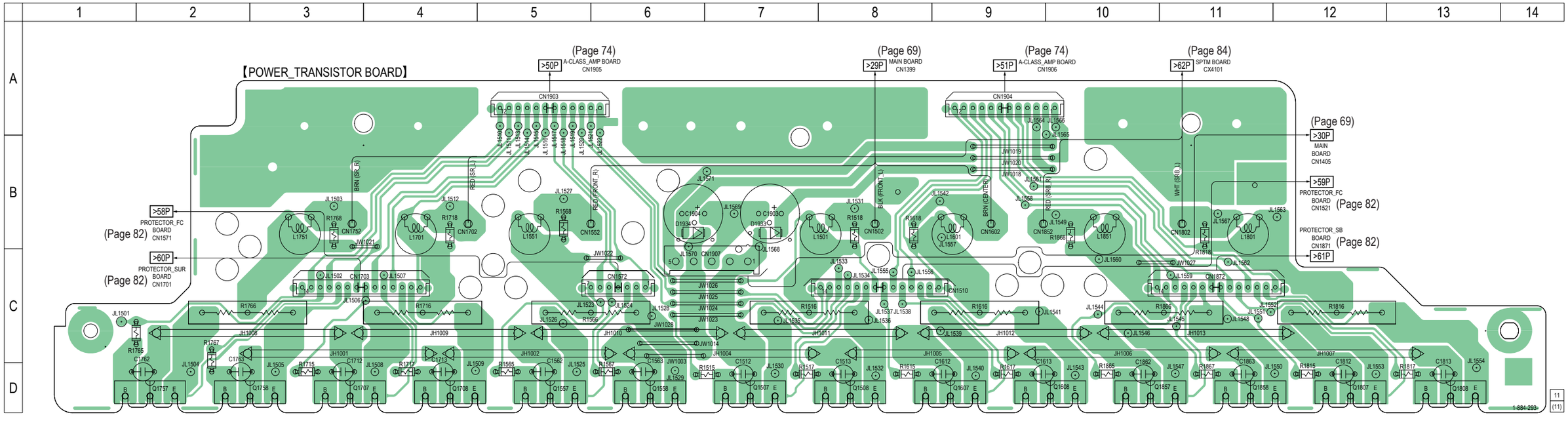
【POWER_TRANSISTOR BOARD】(CONDUCTOR SIDE)



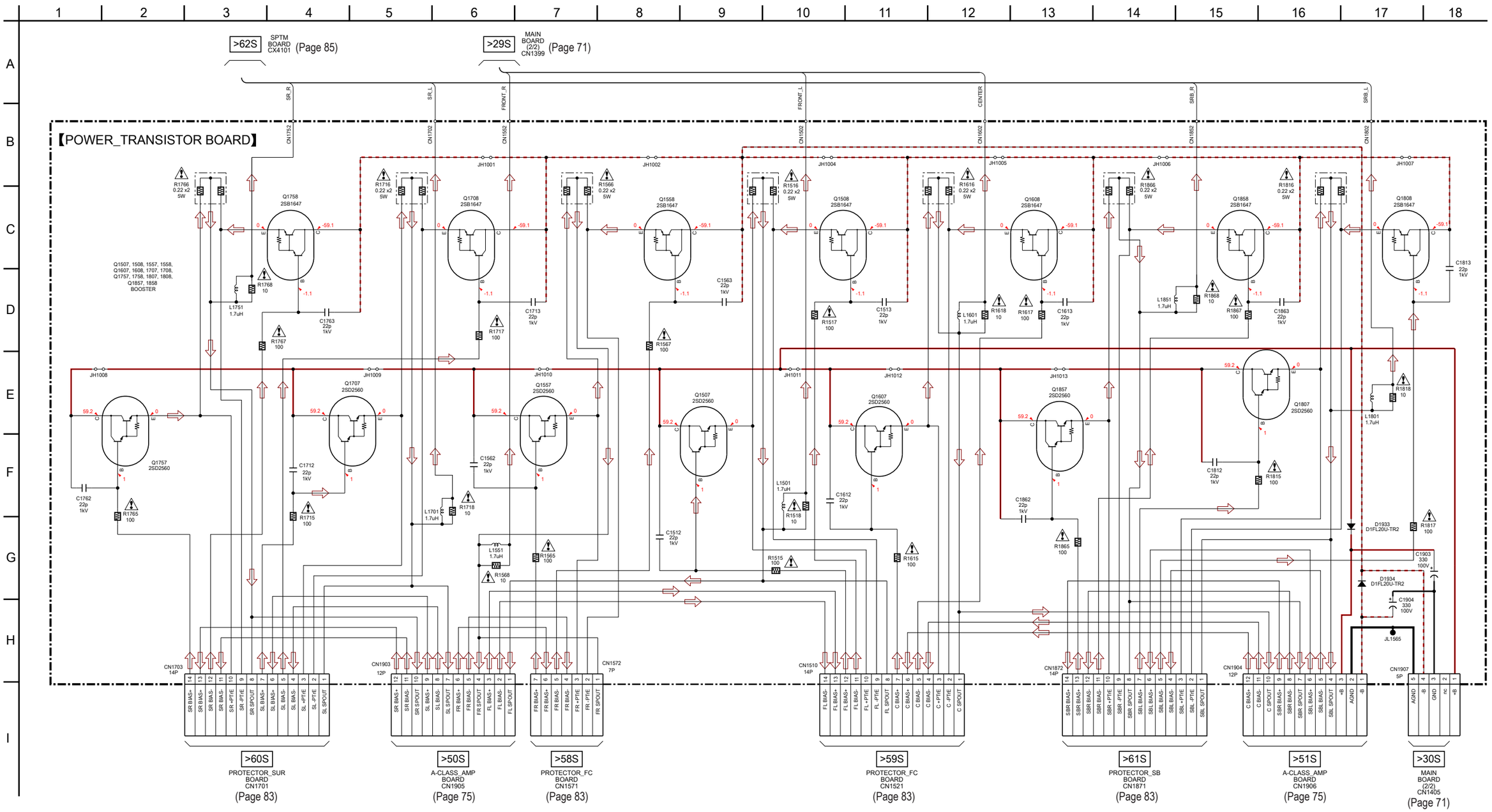
5-41. SCHEMATIC DIAGRAM - POWER_TRANSISTOR Board (US and Canadian models) -



5-42. PRINTED WIRING BOARD - POWER_TRANSISTOR Board (AEP and UK models) - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.

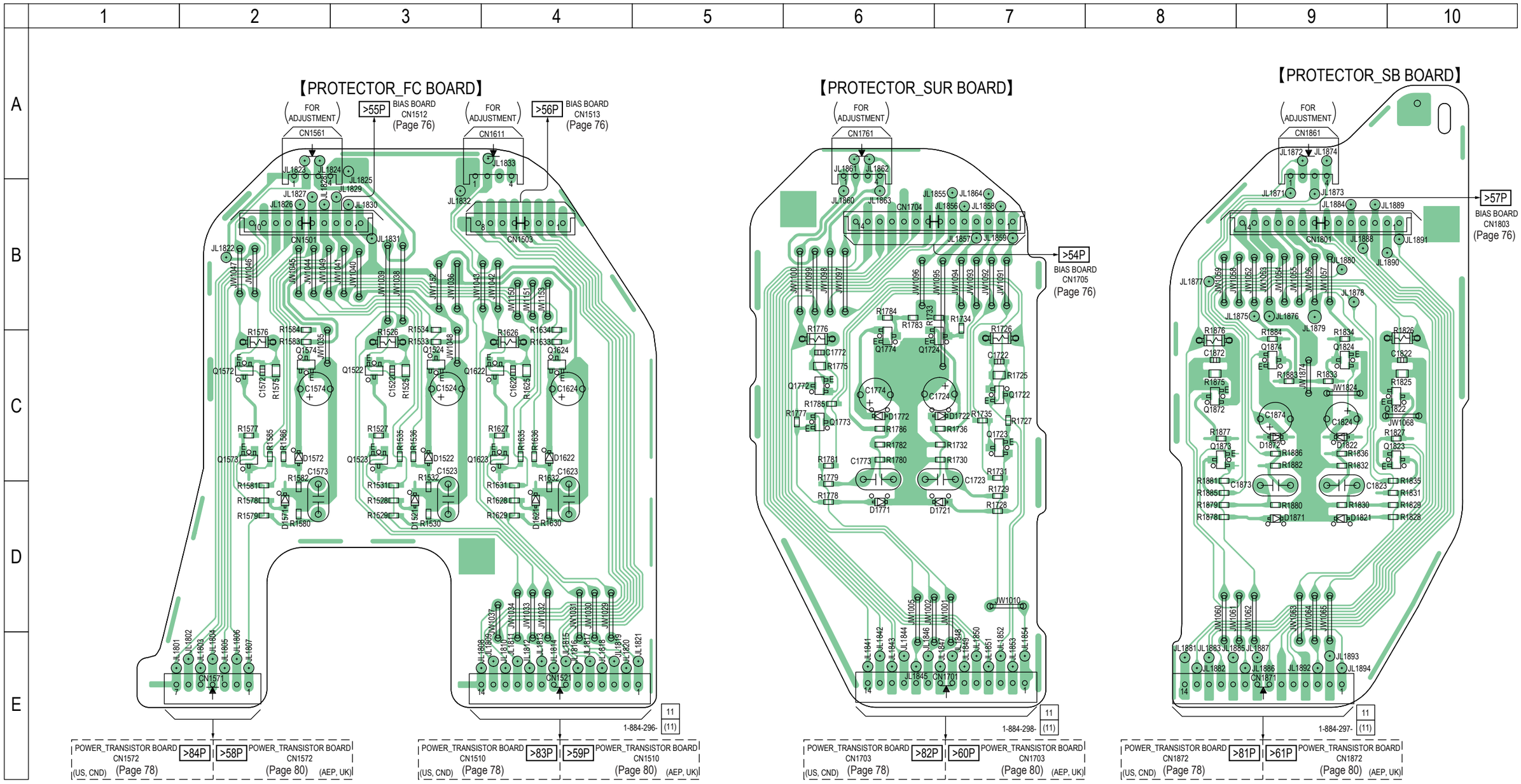


5-43. SCHEMATIC DIAGRAM - POWER_TRANSISTOR Board (AEP and UK models) -

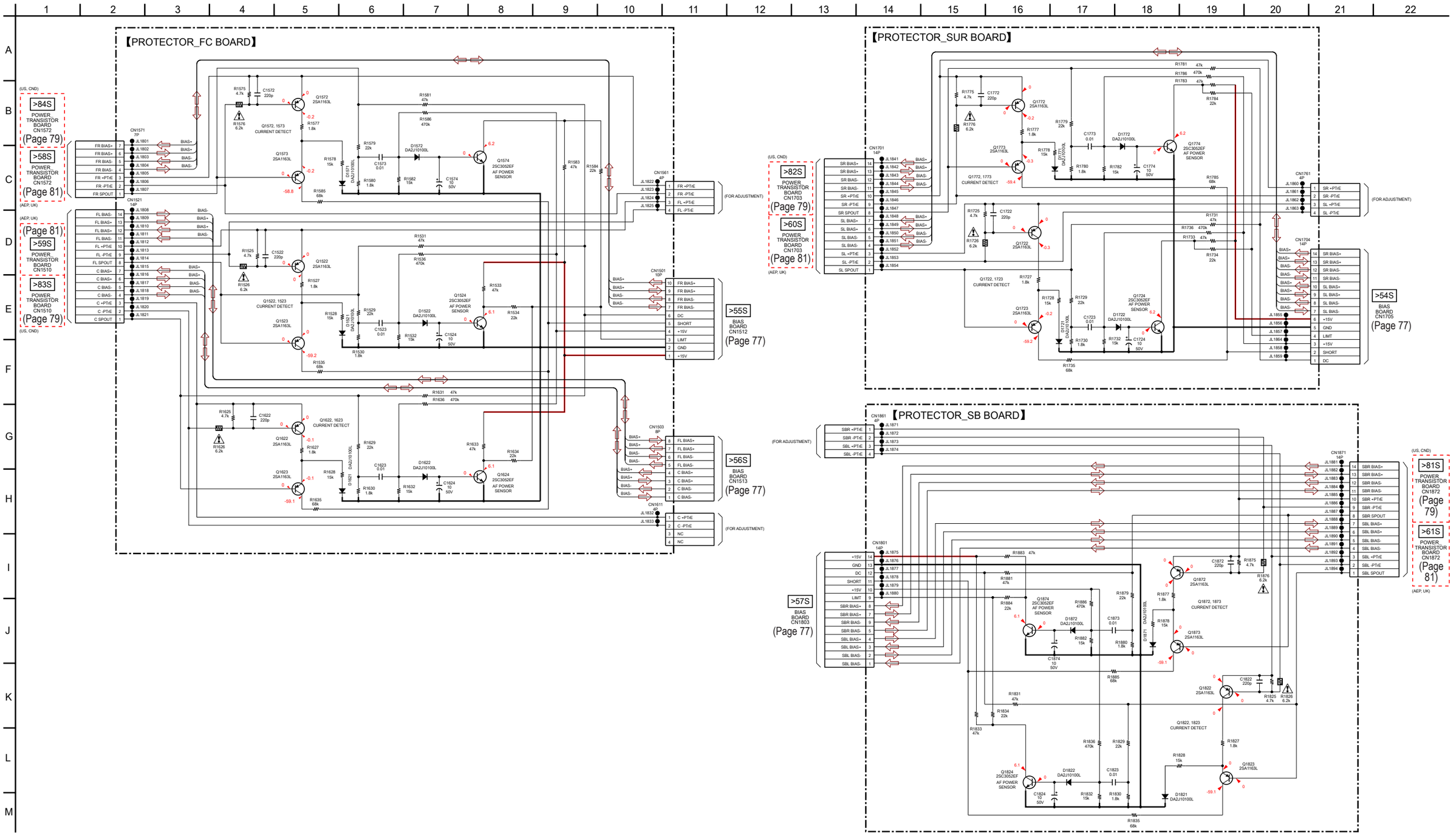


5-44. PRINTED WIRING BOARDS - PROTECTOR Section -

• See page 54 for Circuit Boards Location. • : Uses unleaded solder.

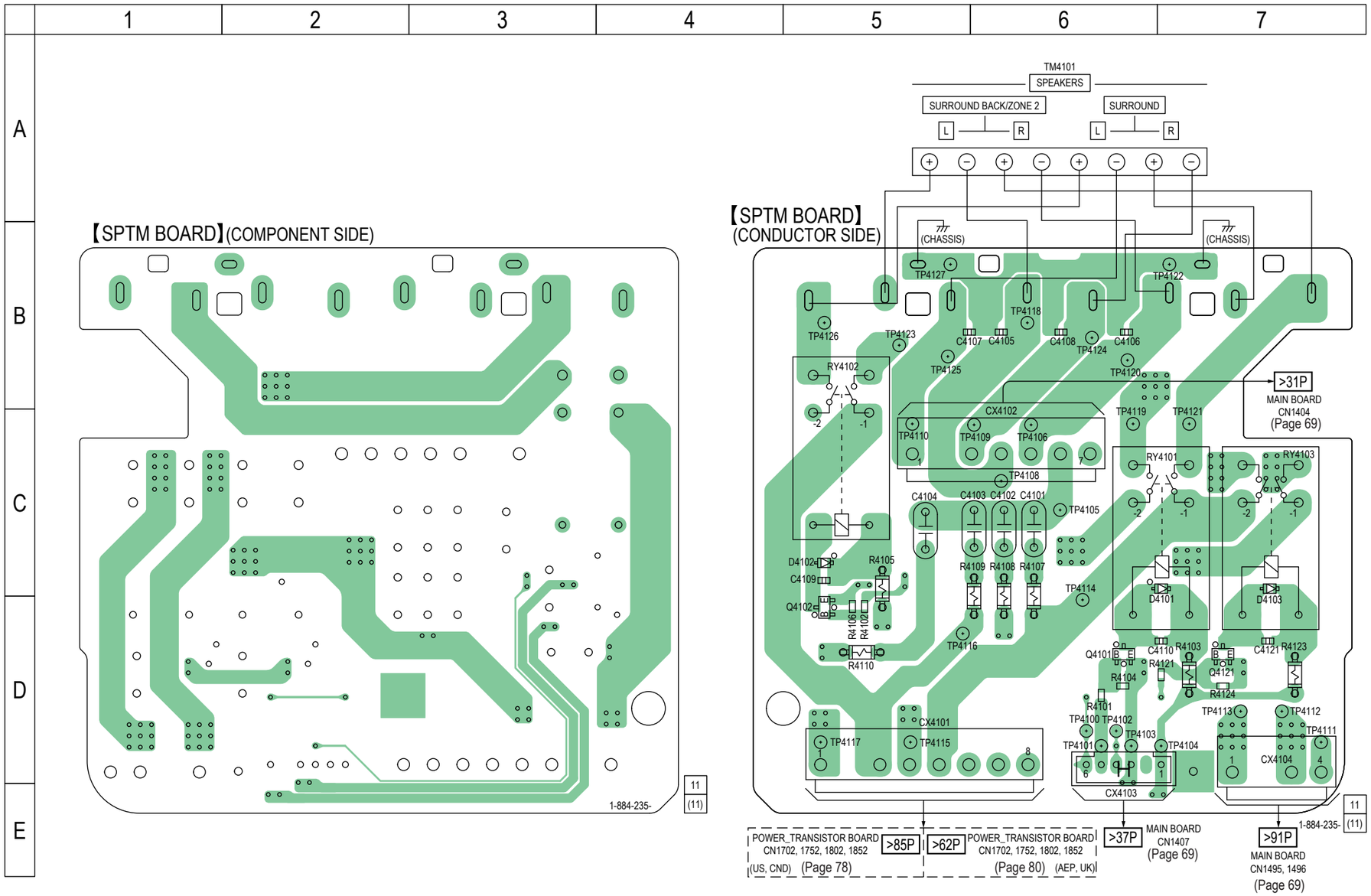


5-45. SCHEMATIC DIAGRAM - PROTECTOR Section -

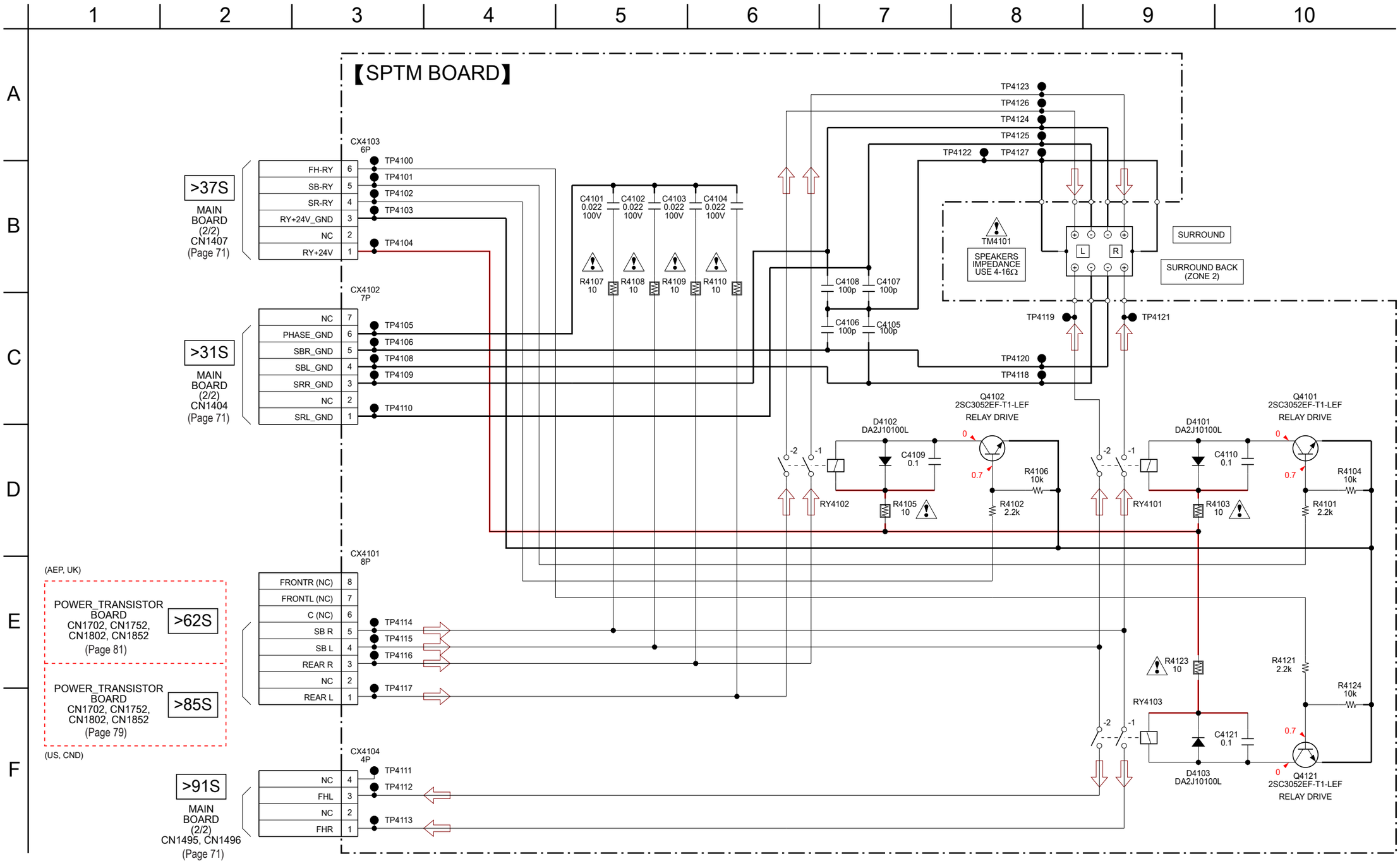


5-46. PRINTED WIRING BOARD - SPTM Board -

• See page 54 for Circuit Boards Location. • : Uses unleaded solder.



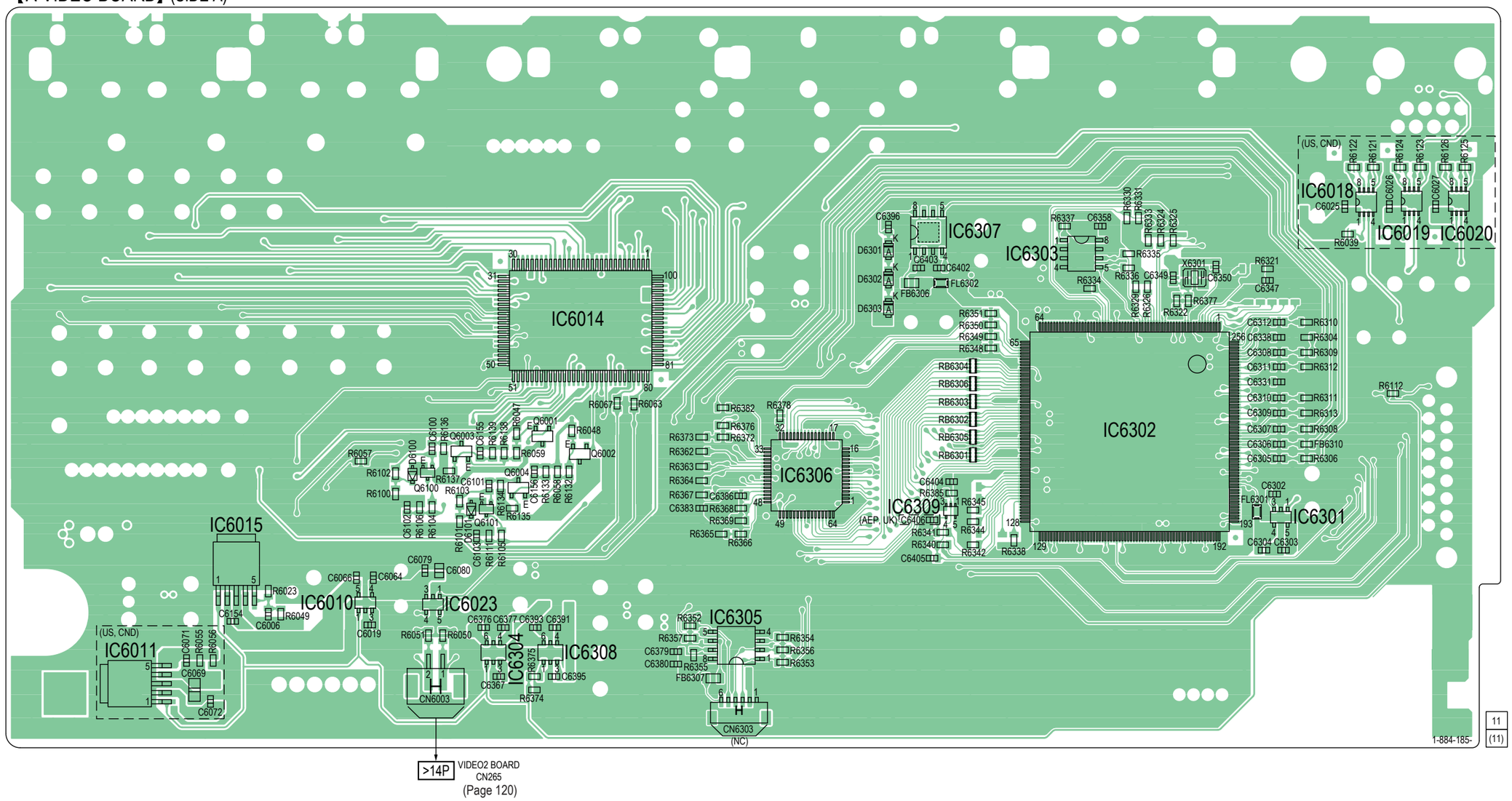
5-47. SCHEMATIC DIAGRAM - SPTM Board -



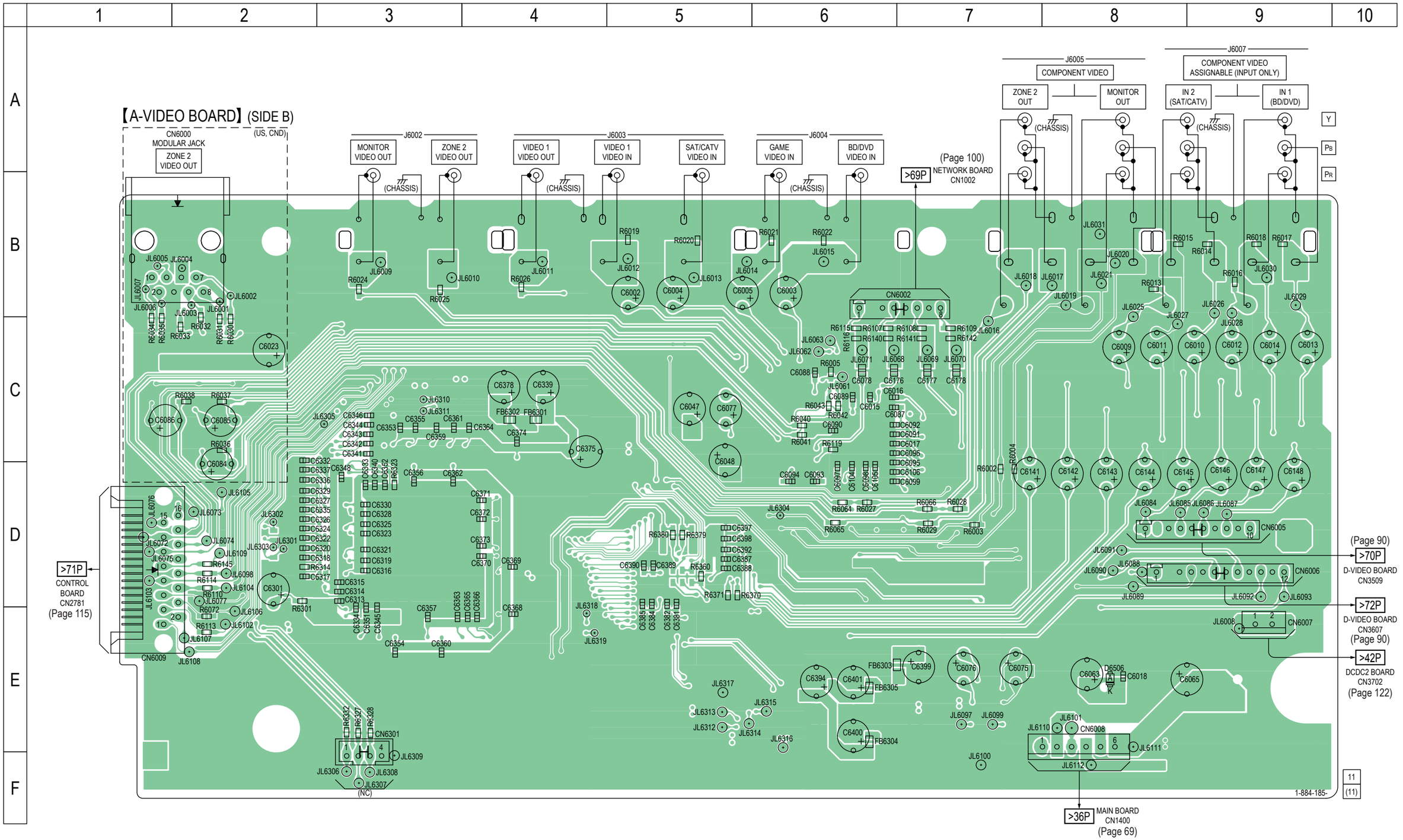
5-48. PRINTED WIRING BOARD - A-VIDEO Board (Side A) -

• See page 54 for Circuit Boards Location. • : Uses unleaded solder.

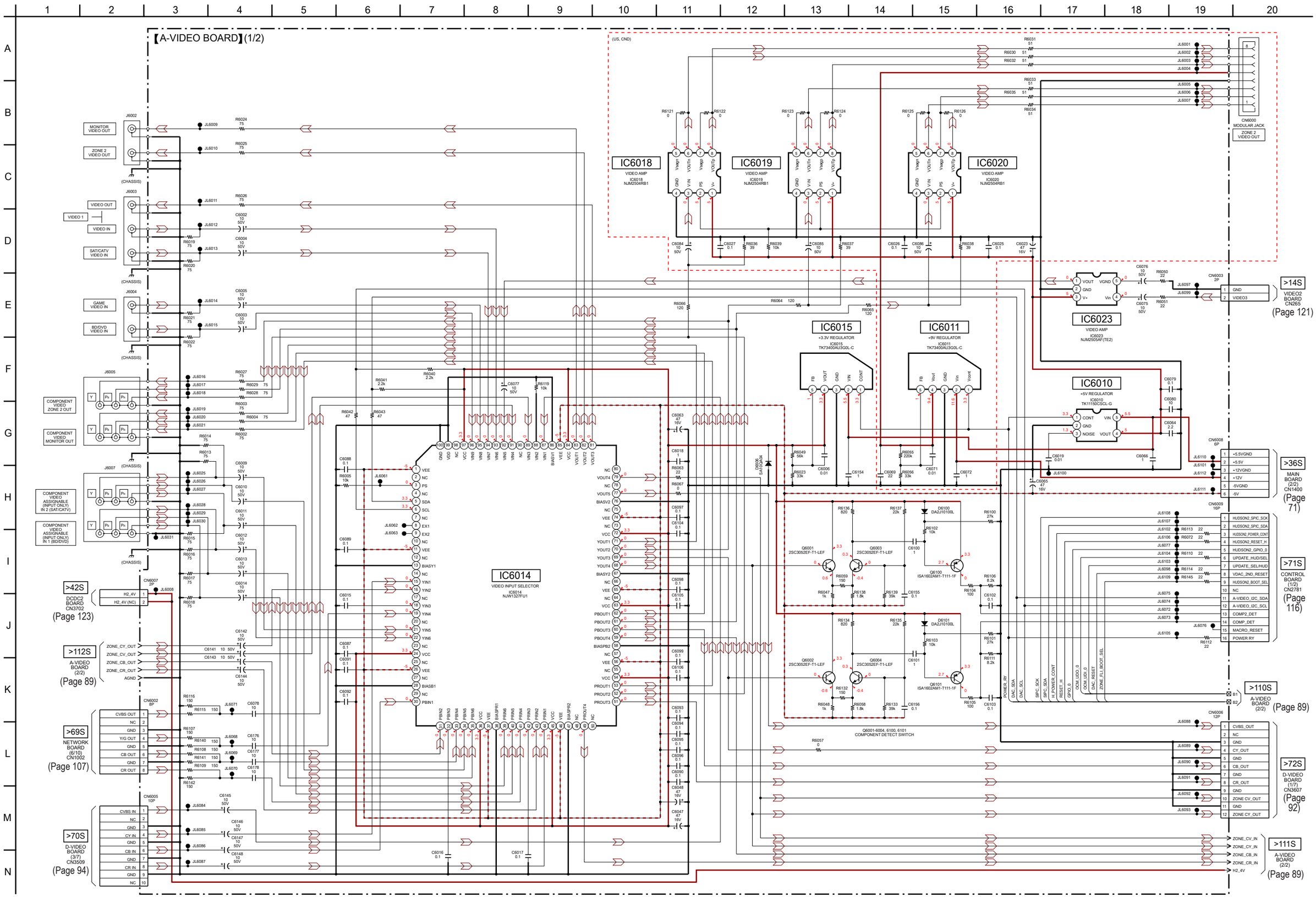
【A-VIDEO BOARD】(SIDE A)



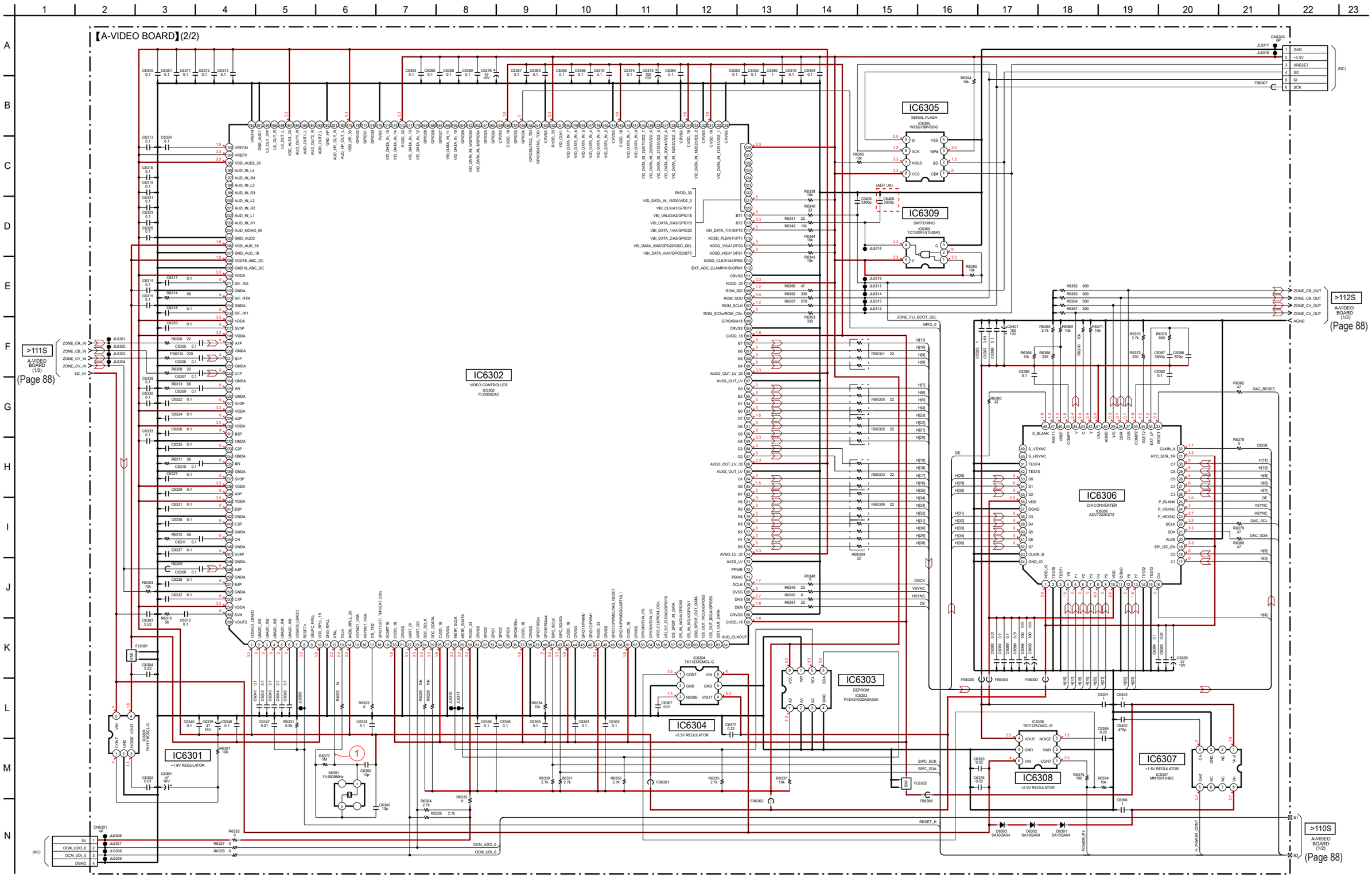
5-49. PRINTED WIRING BOARD - A-VIDEO Board (Side B) - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.



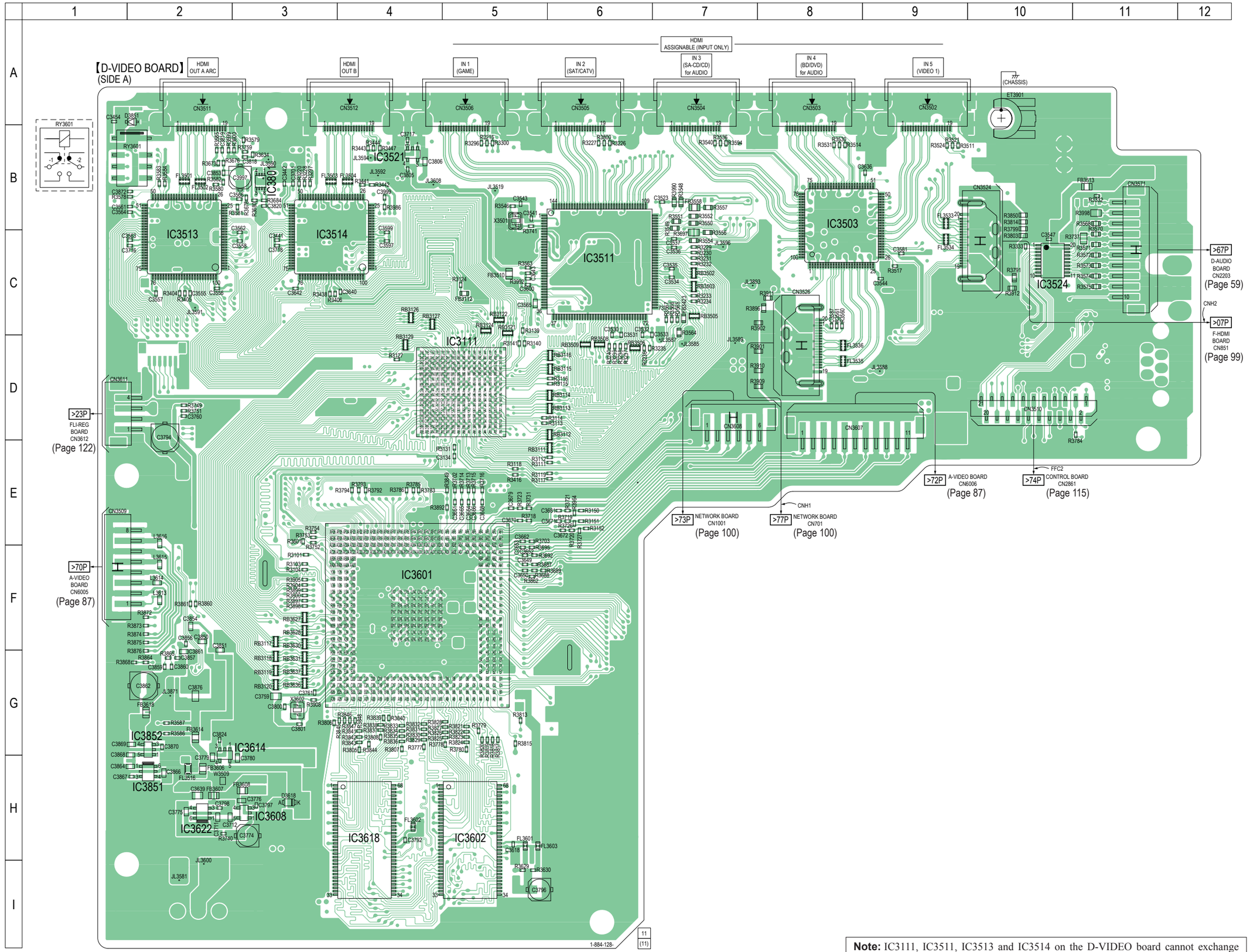
5-50. SCHEMATIC DIAGRAM - A-VIDEO Board (1/2) - • See page 131 for IC Block Diagrams.



5-51. SCHEMATIC DIAGRAM - A-VIDEO Board (2/2) - • See page 118 for Waveforms. • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.



5-52. PRINTED WIRING BOARD - D-VIDEO Board (Side A) - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.

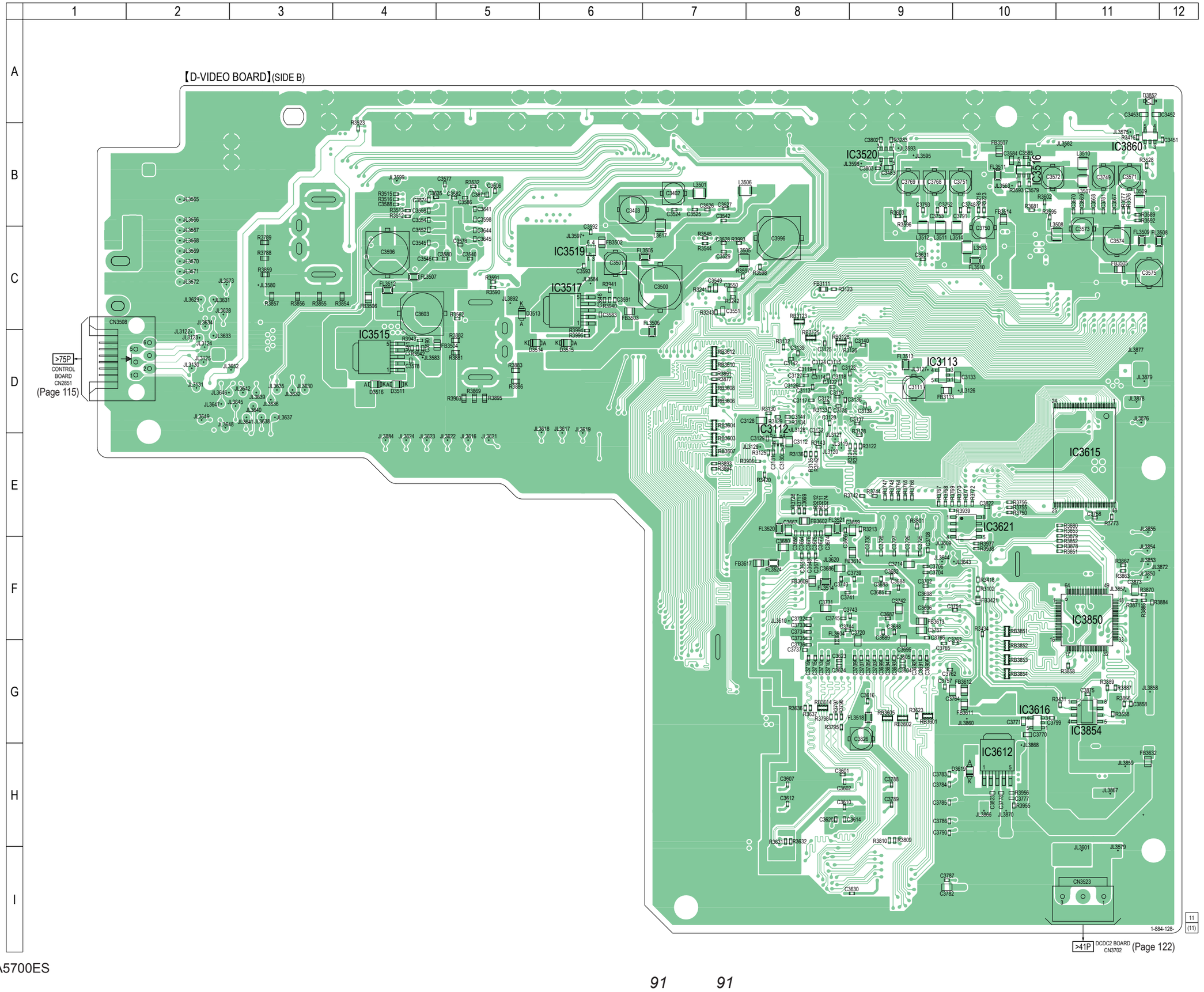


Note: IC3111, IC3511, IC3513 and IC3514 on the D-VIDEO board cannot exchange with single. When these parts are damaged, exchange the complete mounted board.

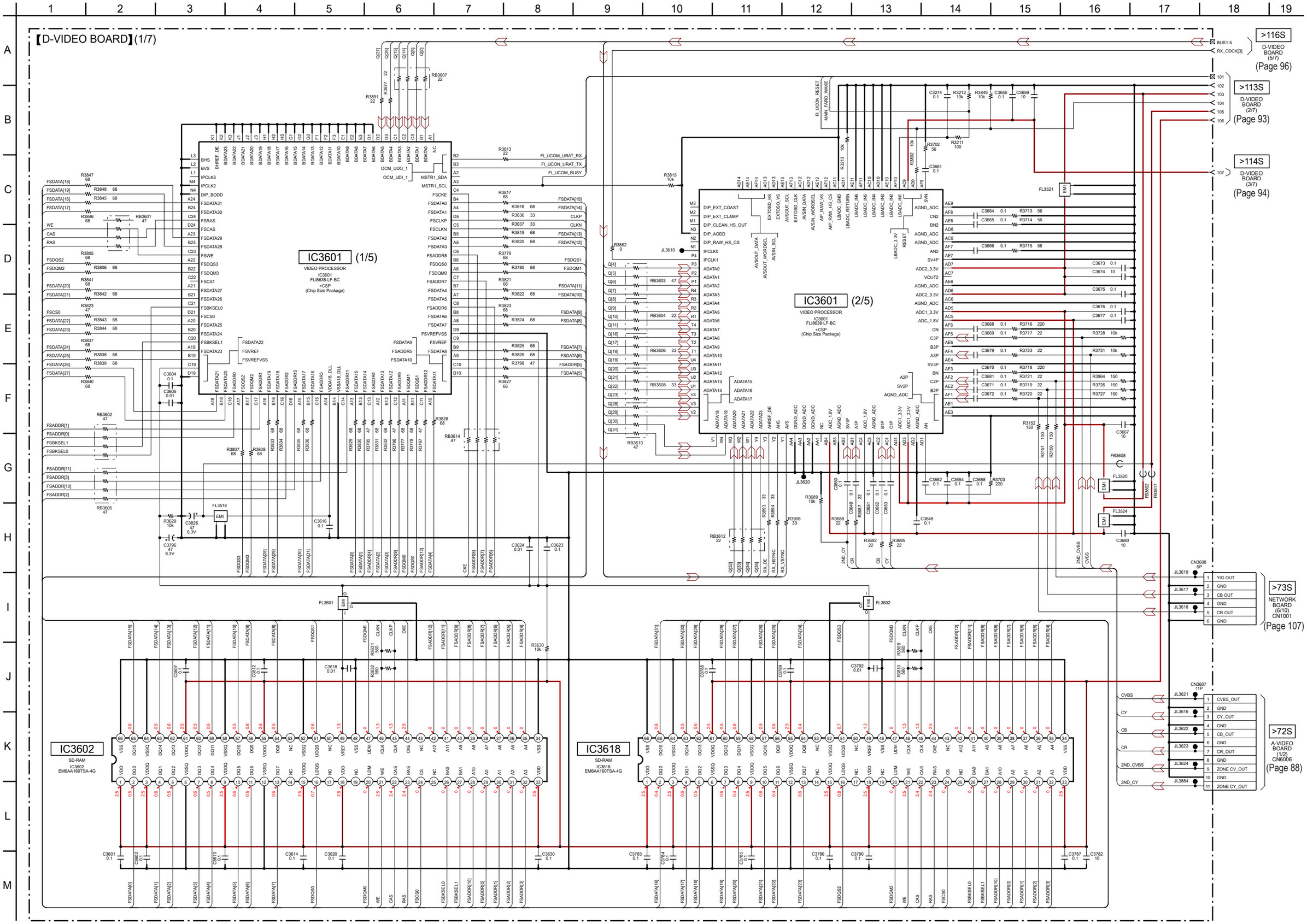
5-53. PRINTED WIRING BOARD - D-VIDEO Board (Side B) -

• See page 54 for Circuit Boards Location. • : Uses unleaded solder.

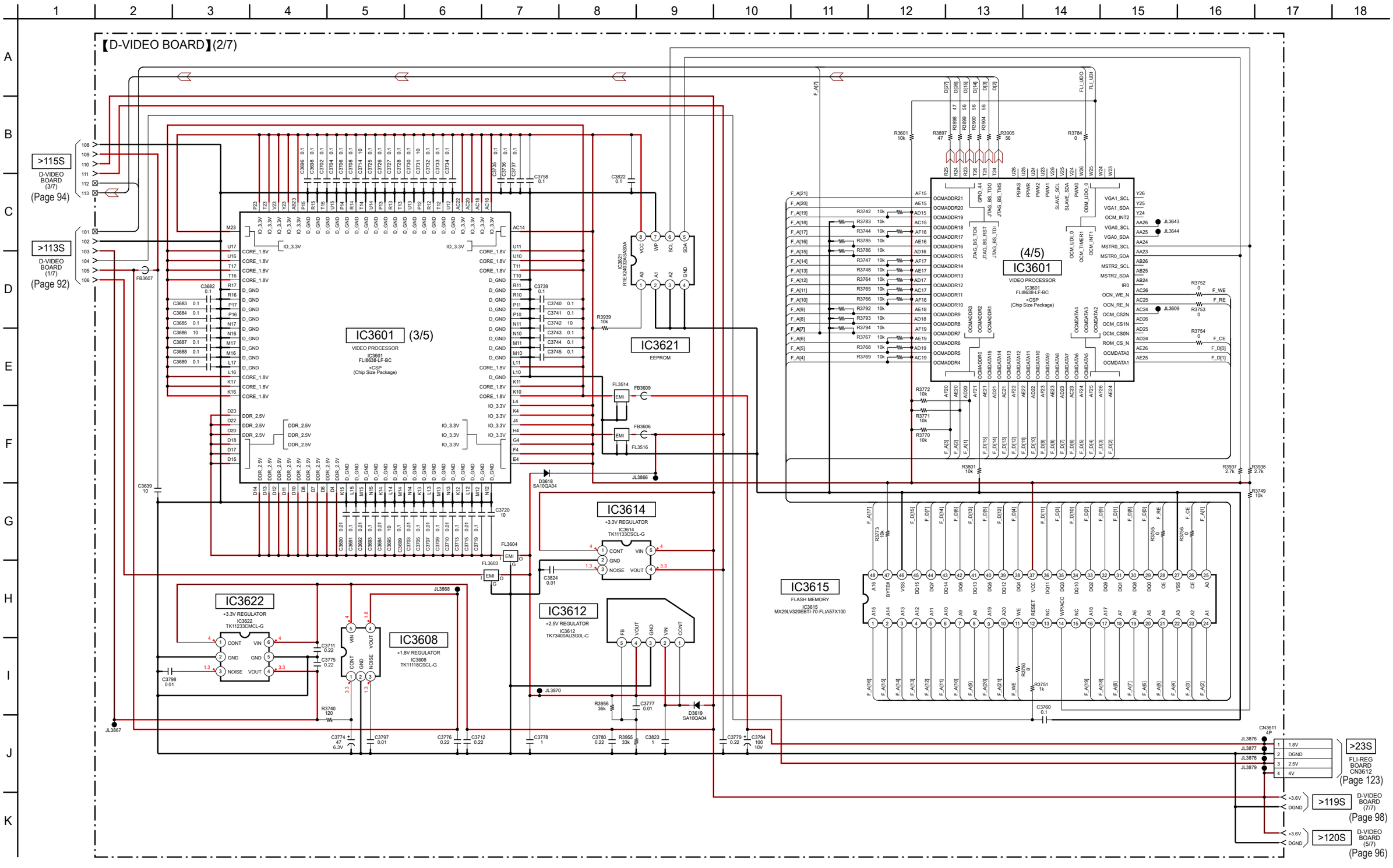
【D-VIDEO BOARD】(SIDE B)



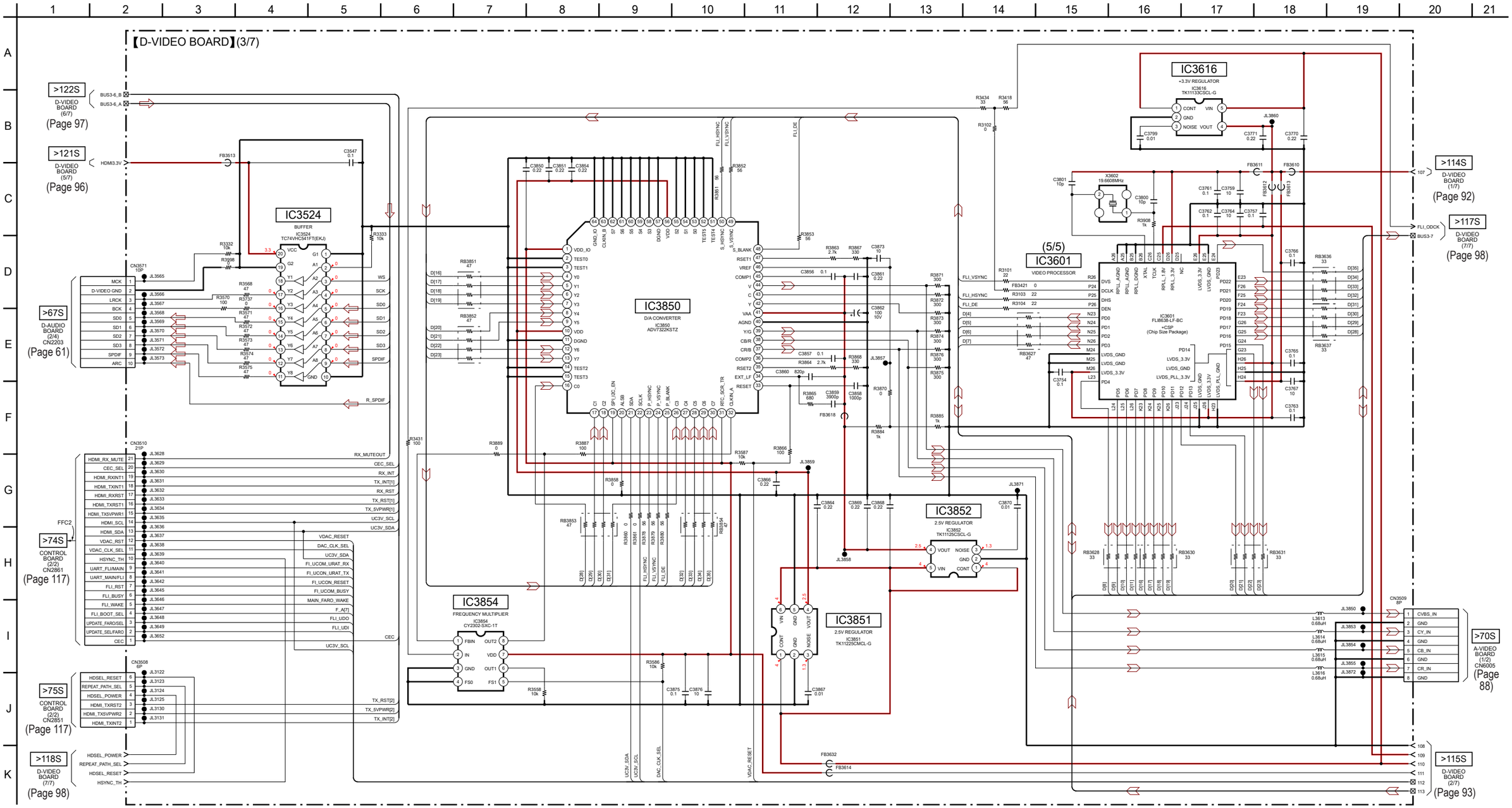
5-54. SCHEMATIC DIAGRAM - D-VIDEO Board (1/7) - • See page 149 for IC Pin Function Description.



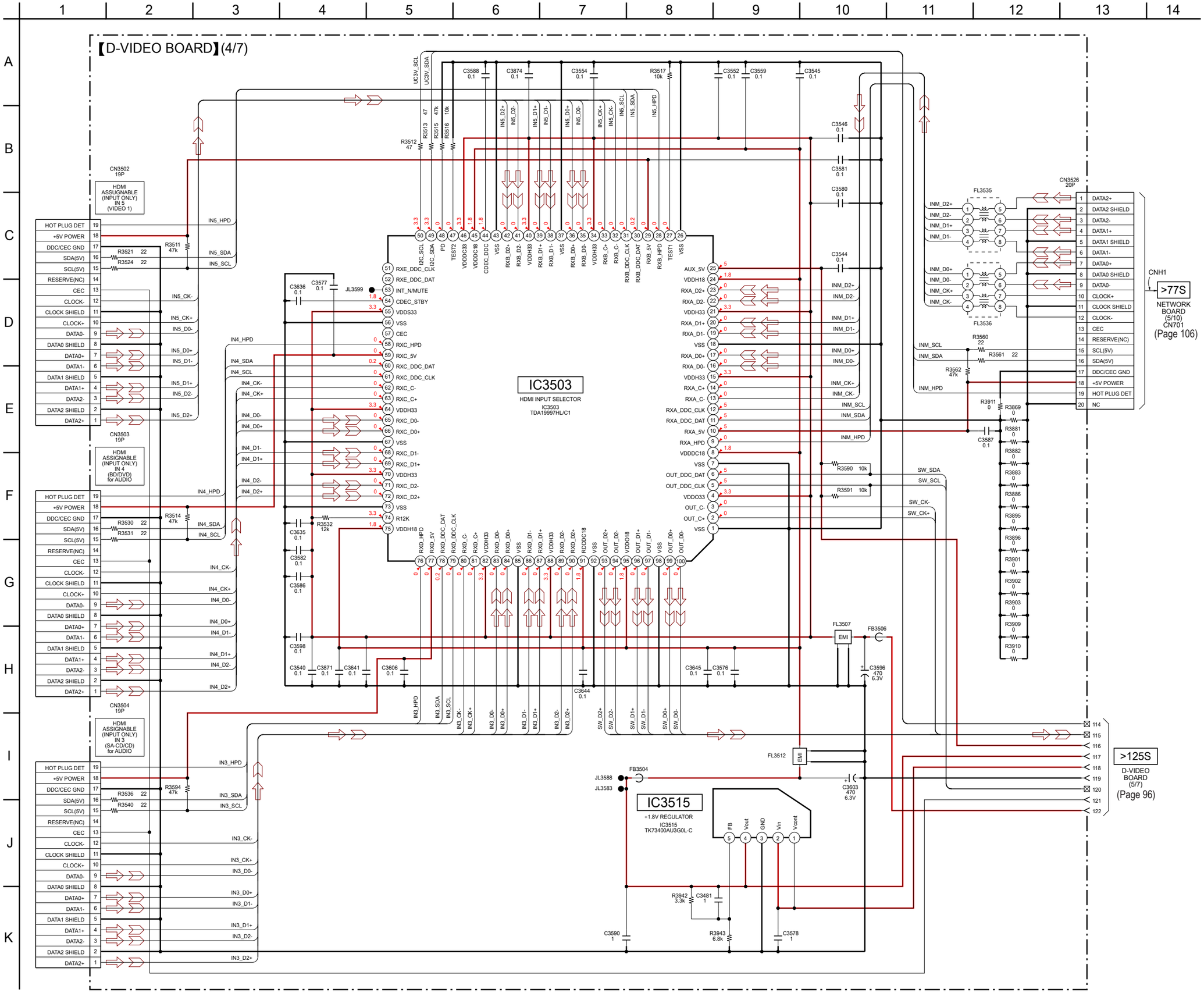
5-55. SCHEMATIC DIAGRAM - D-VIDEO Board (2/7) - • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.



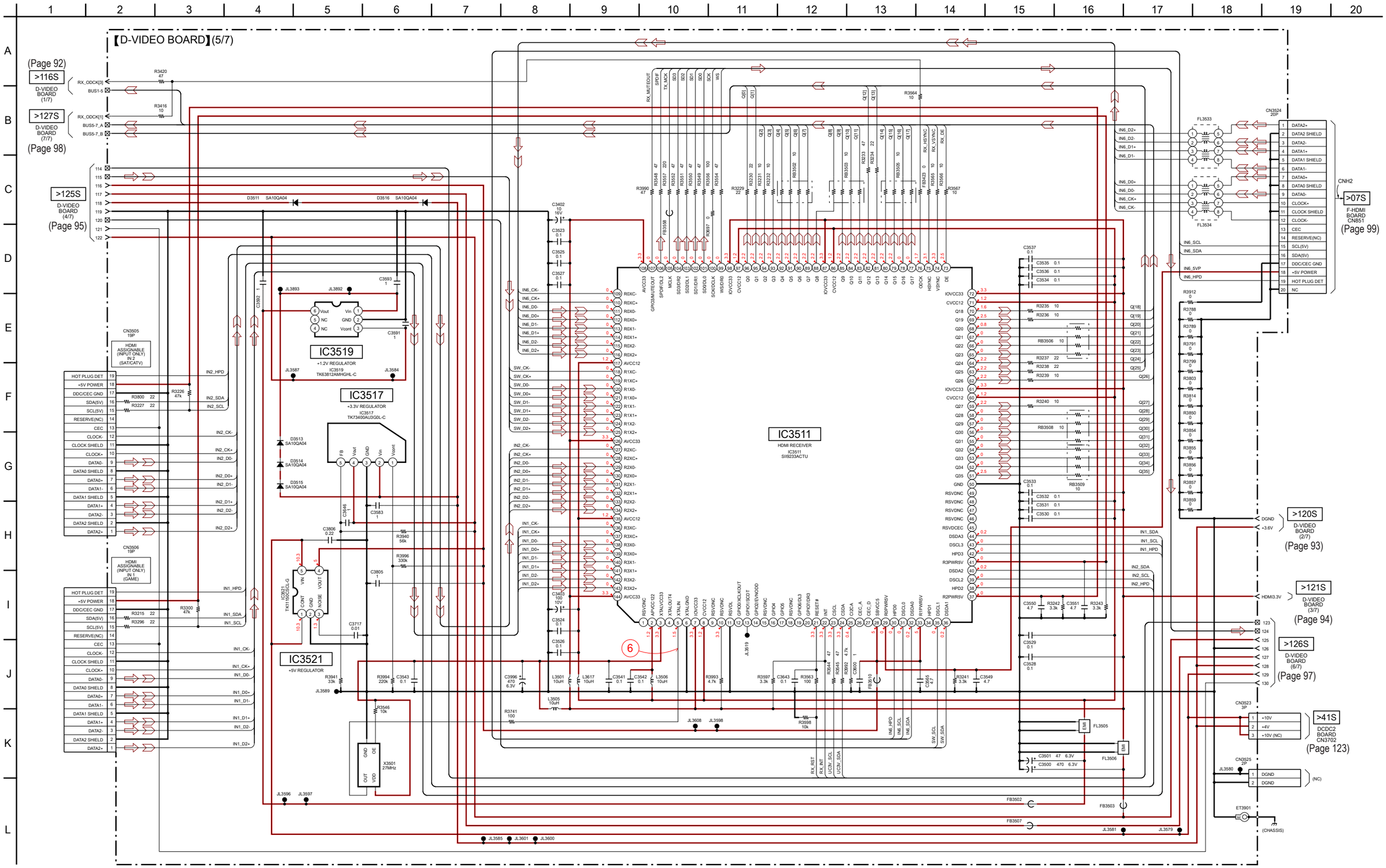
5-56. SCHEMATIC DIAGRAM - D-VIDEO Board (3/7) - • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.



5-57. SCHEMATIC DIAGRAM - D-VIDEO Board (4/7) - • See page 131 for IC Block Diagrams.

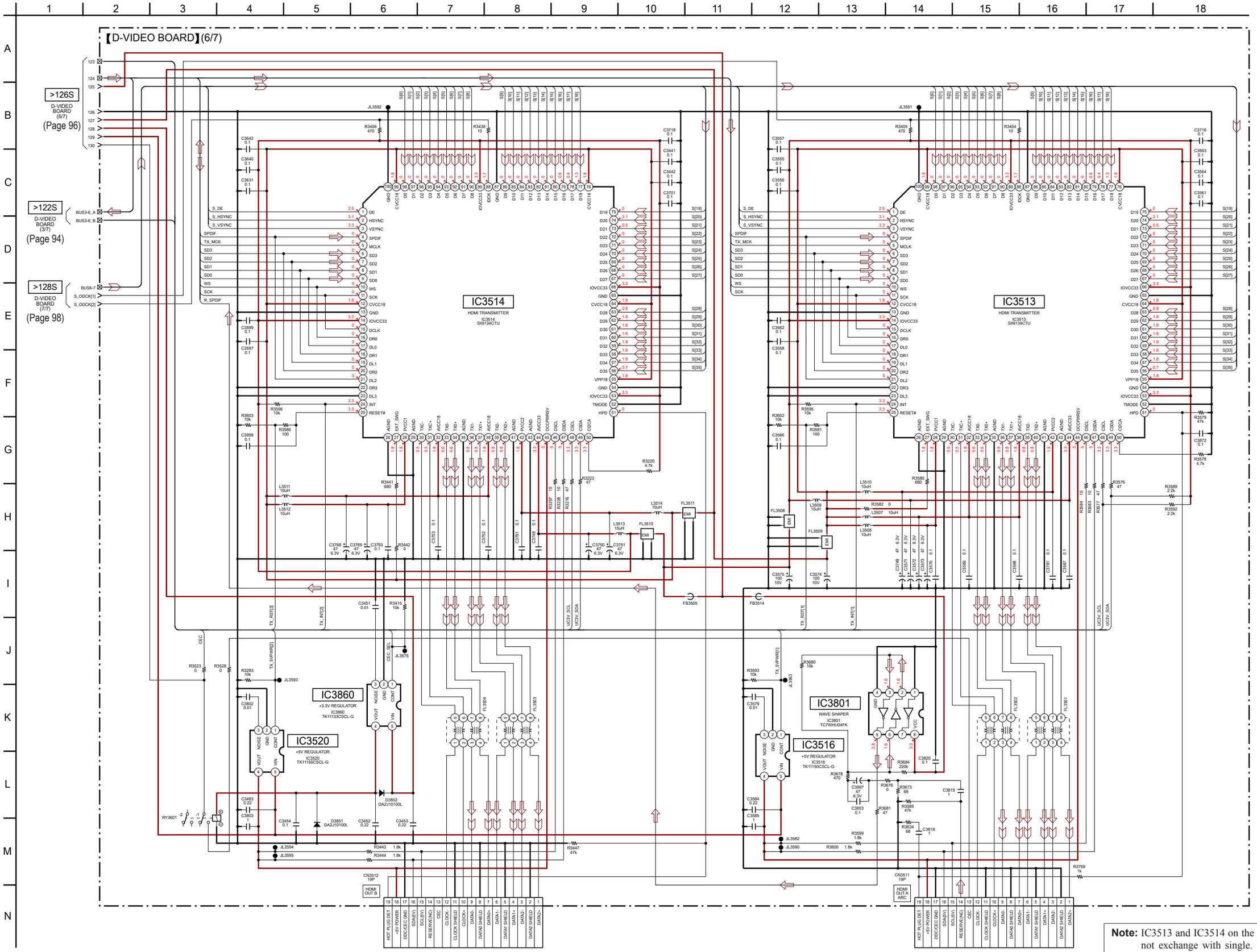


5-58. SCHEMATIC DIAGRAM - D-VIDEO Board (5/7) - • See page 118 for Waveforms. • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.



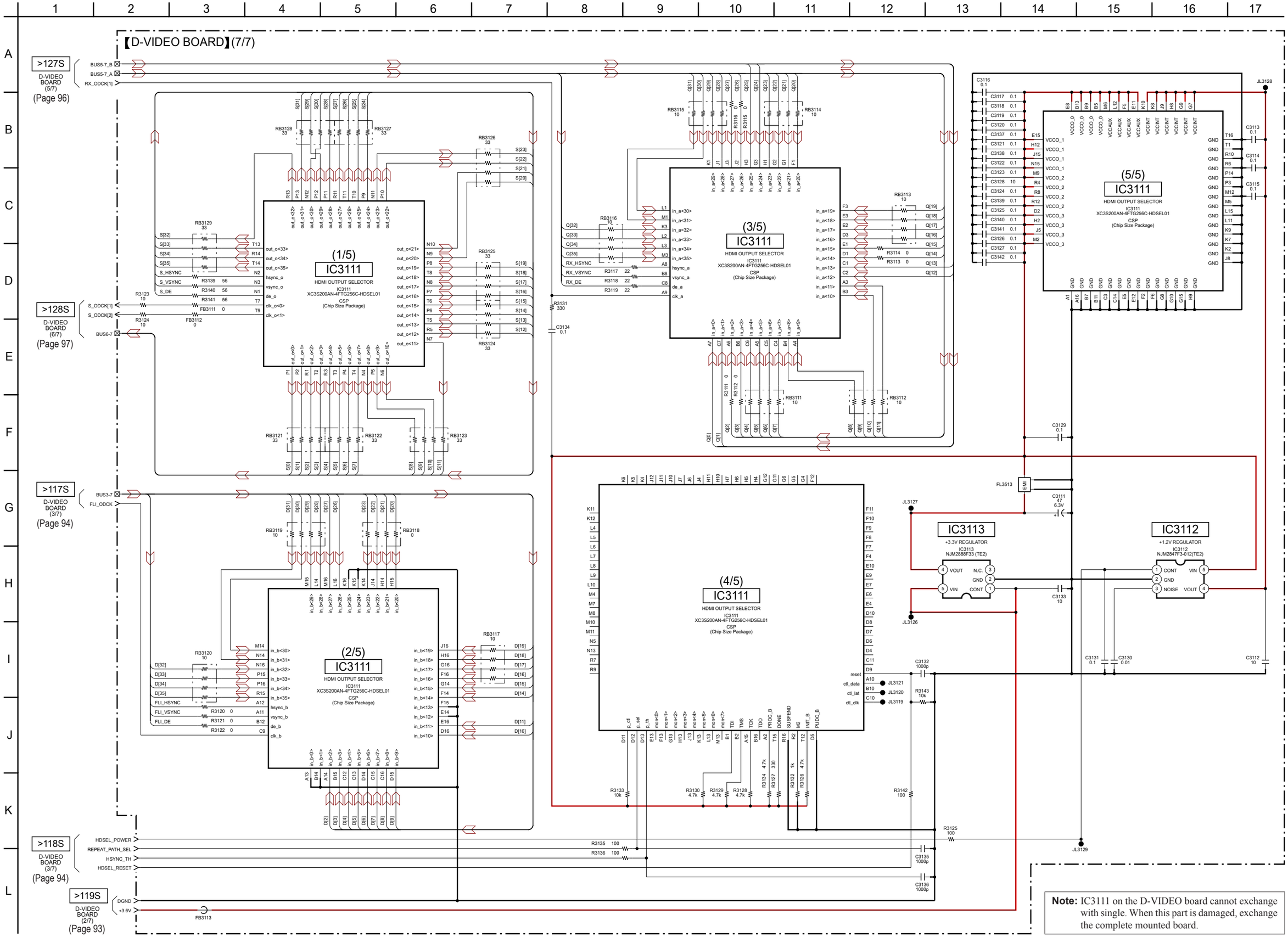
Note: IC3511 on the D-VIDEO board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

5-59. SCHEMATIC DIAGRAM - D-VIDEO Board (6/7) - • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.



Note: IC3513 and IC3514 on the D-VIDEO board cannot exchange with single. When these parts are damaged, exchange the complete mounted board.

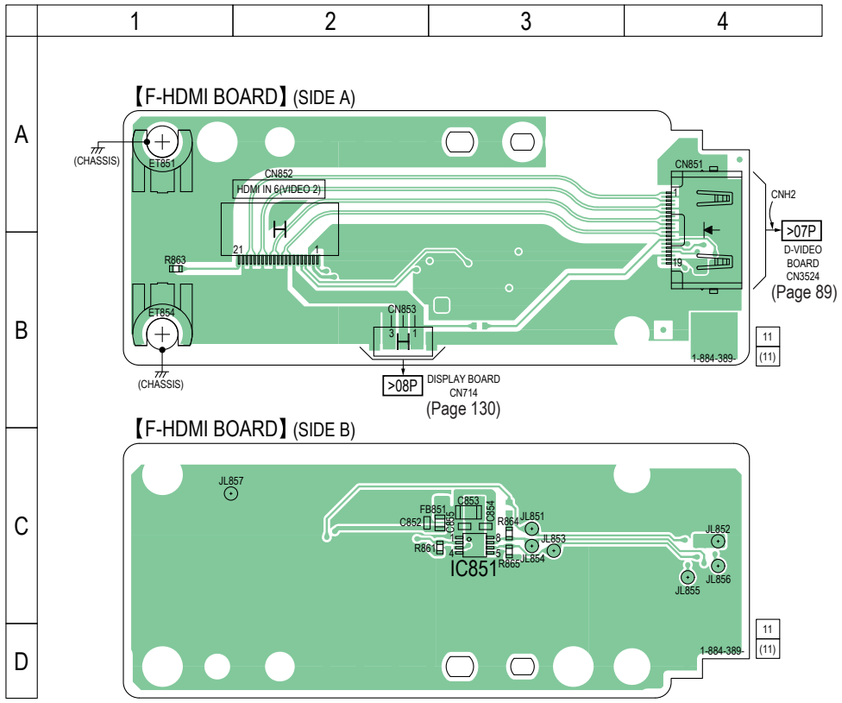
5-60. SCHEMATIC DIAGRAM - D-VIDEO Board (7/7) - • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.



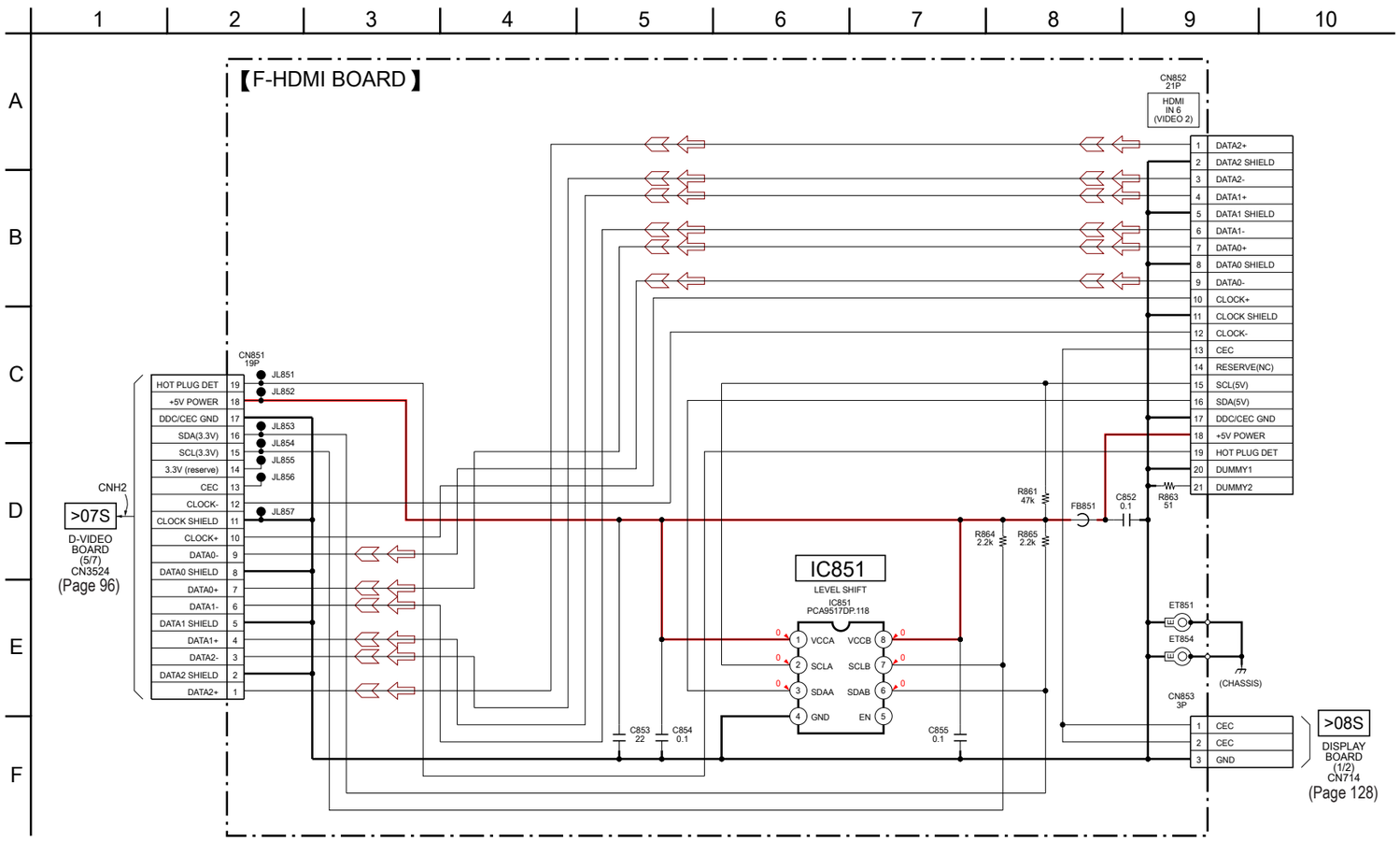
Note: IC3111 on the D-VIDEO board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

5-61. PRINTED WIRING BOARD - F-HDMI Board -

• See page 54 for Circuit Boards Location. • : Uses unleaded solder.

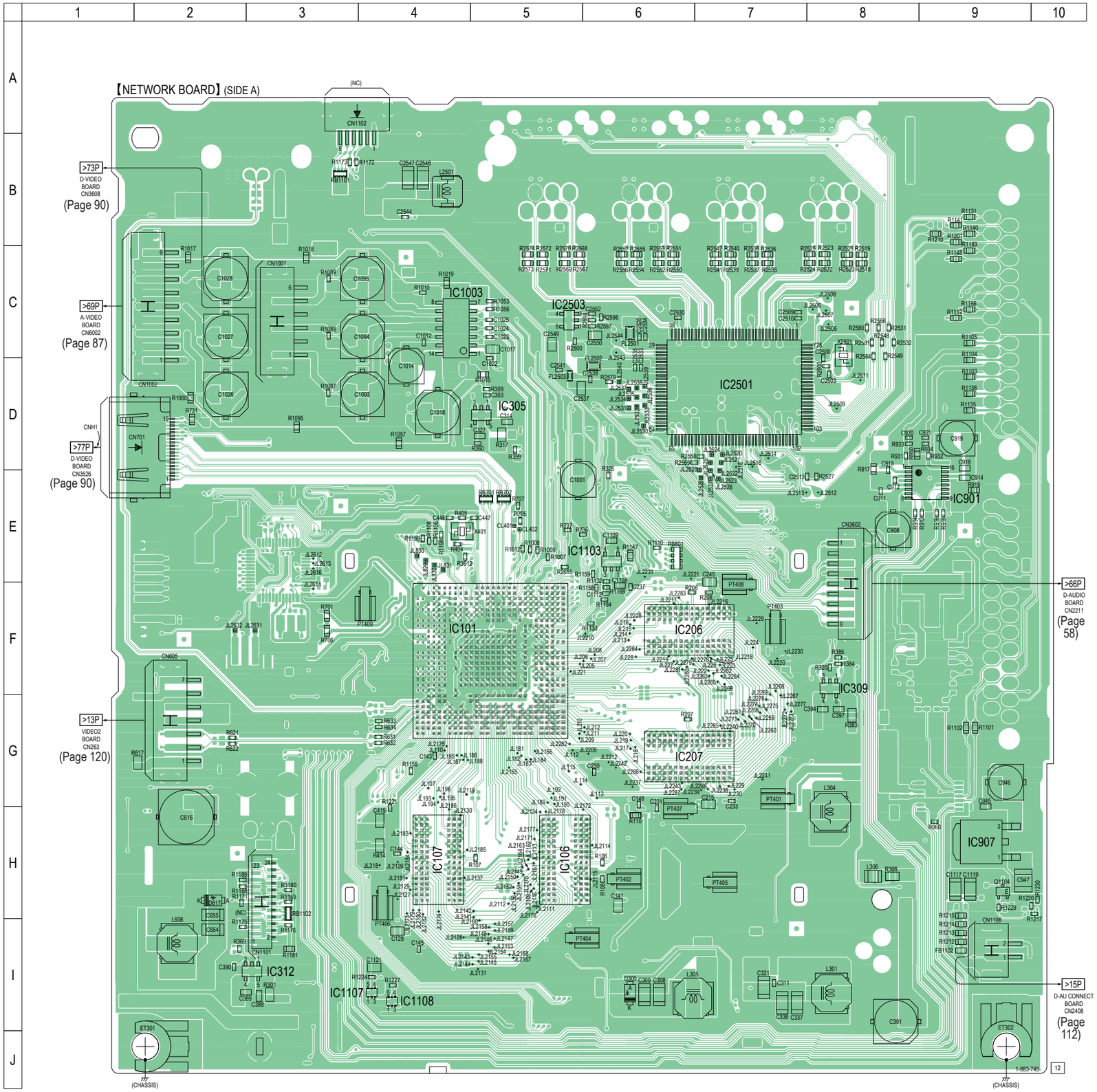


5-62. SCHEMATIC DIAGRAM - F-HDMI Board - • See page 131 for IC Block Diagrams.



5-63. PRINTED WIRING BOARD - NETWORK Board (Side A) -

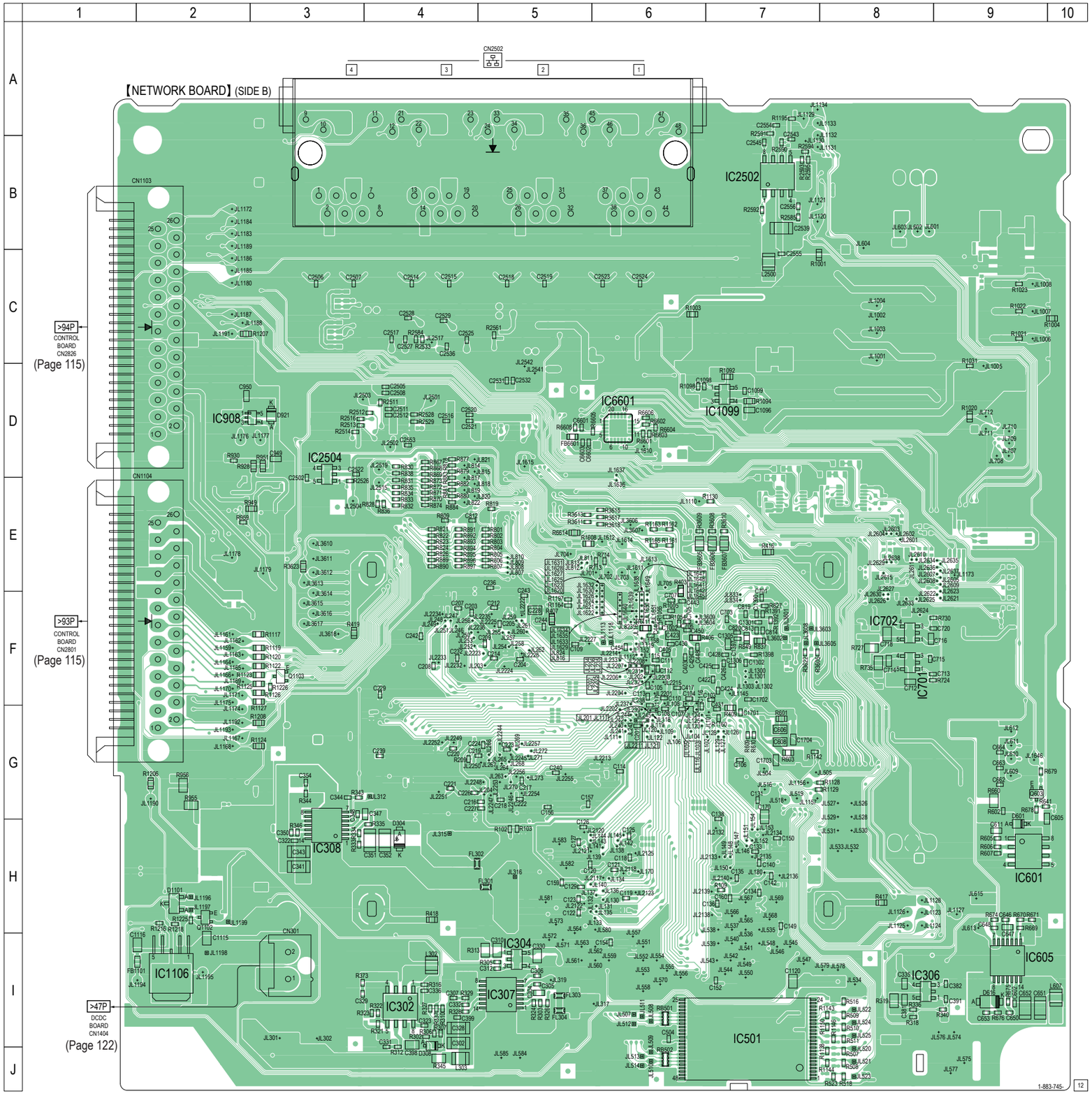
• See page 54 for Circuit Boards Location. • : Uses unleaded solder.



Note: IC101 and IC2503 on the NETWORK board cannot exchange with single. When these parts are damaged, exchange the complete mounted board.

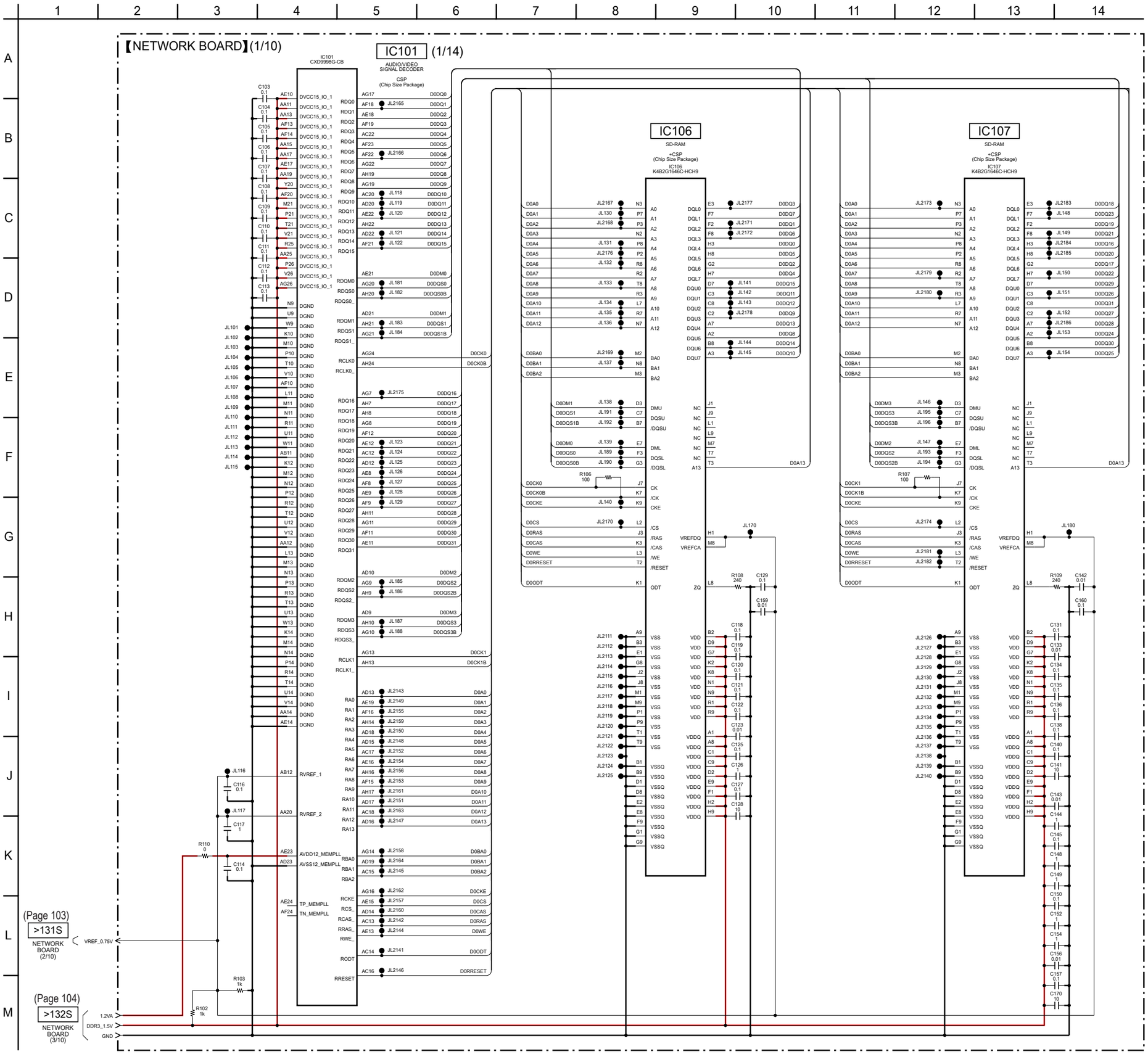
5-64. PRINTED WIRING BOARD - NETWORK Board (Side B) -

• See page 54 for Circuit Boards Location. • : Uses unleaded solder.



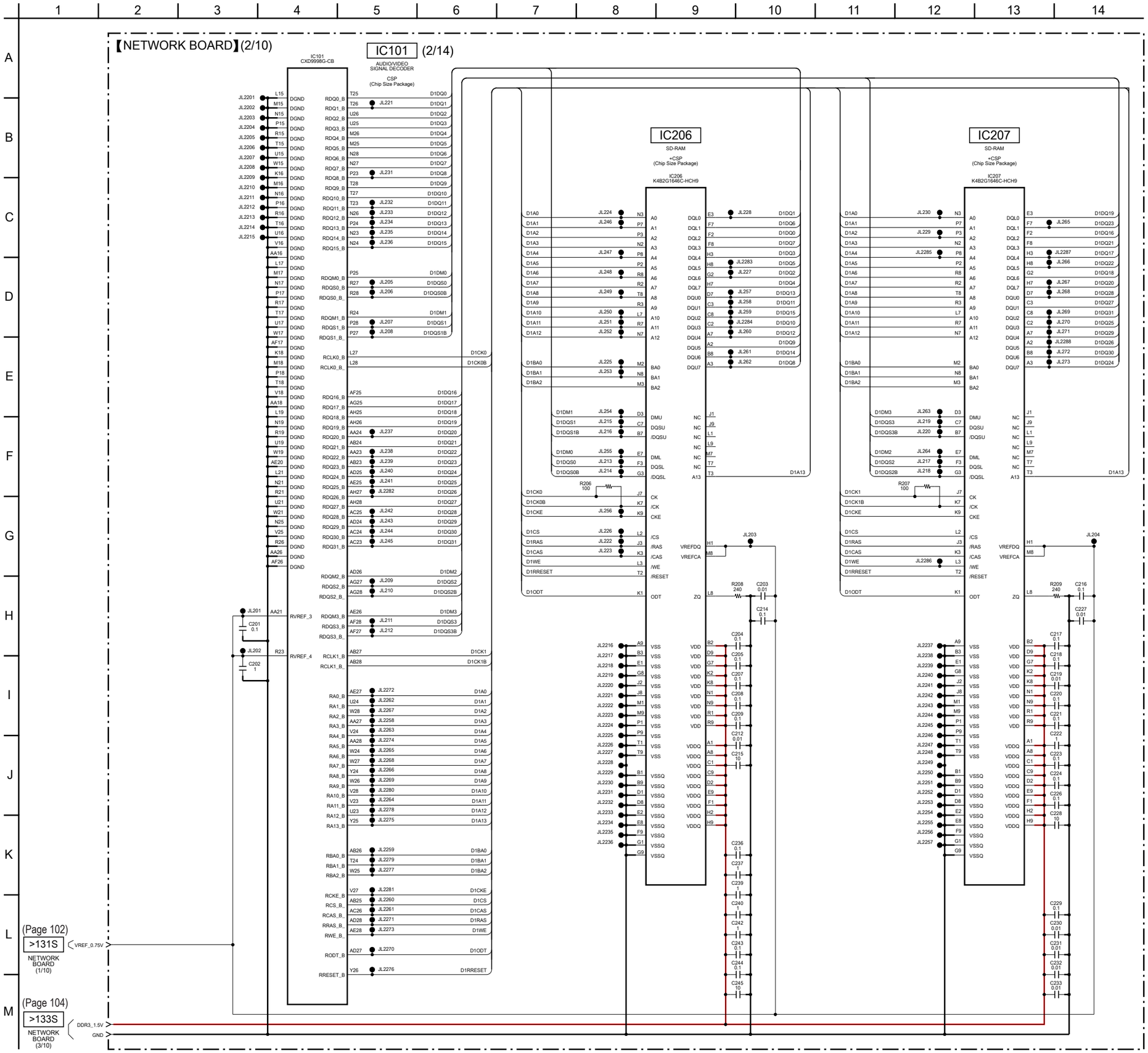
Note: IC304 and IC501 on the NETWORK board cannot exchange with single. When these parts are damaged, exchange the complete mounted board.

5-65. SCHEMATIC DIAGRAM - NETWORK Board (1/10) - • See page 149 for IC Pin Function Description.



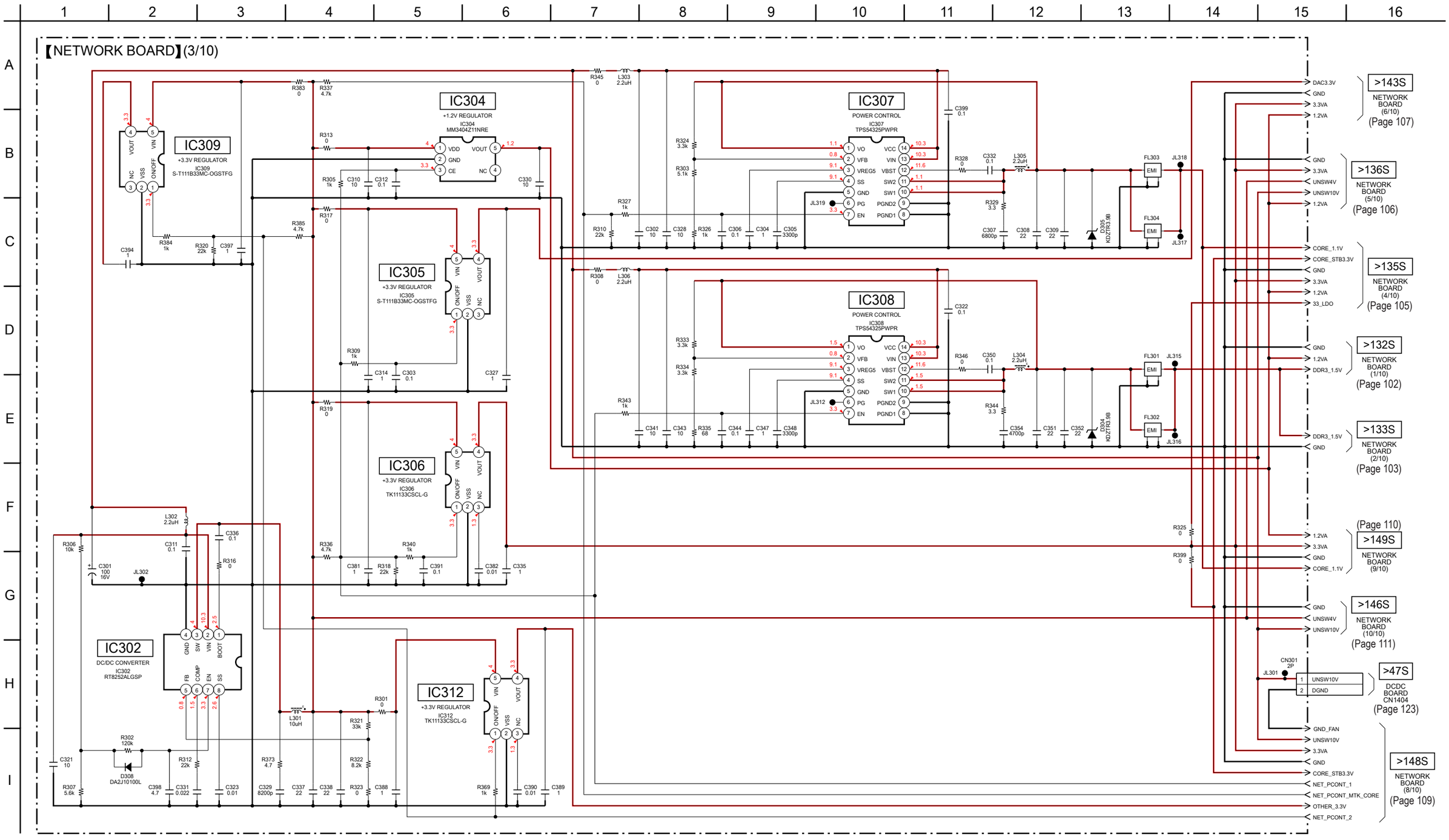
Note: IC101 on the NETWORK board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

5-66. SCHEMATIC DIAGRAM - NETWORK Board (2/10) - • See page 149 for IC Pin Function Description.



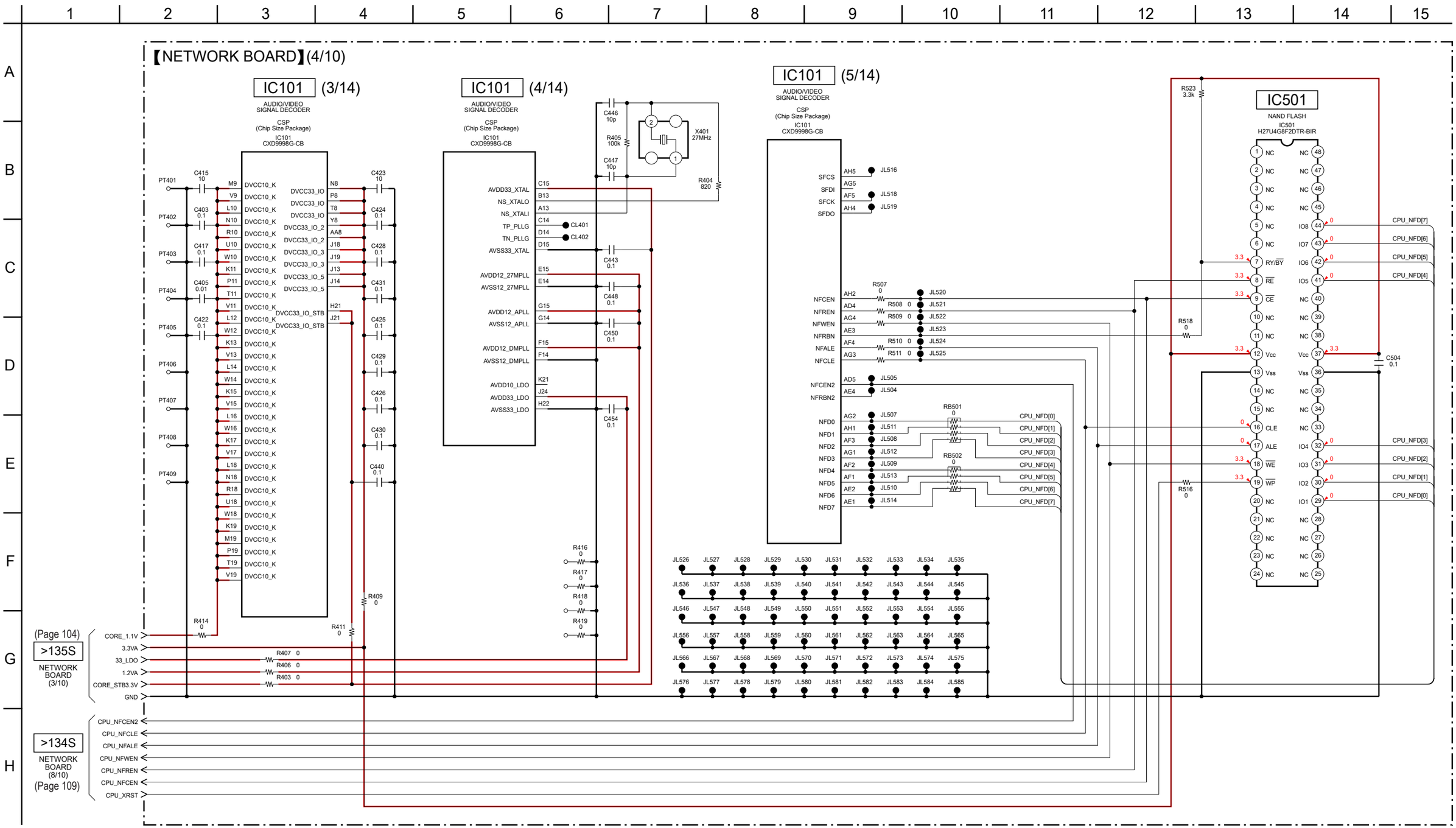
Note: IC101 on the NETWORK board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

5-67. SCHEMATIC DIAGRAM - NETWORK Board (3/10) - • See page 131 for IC Block Diagrams.



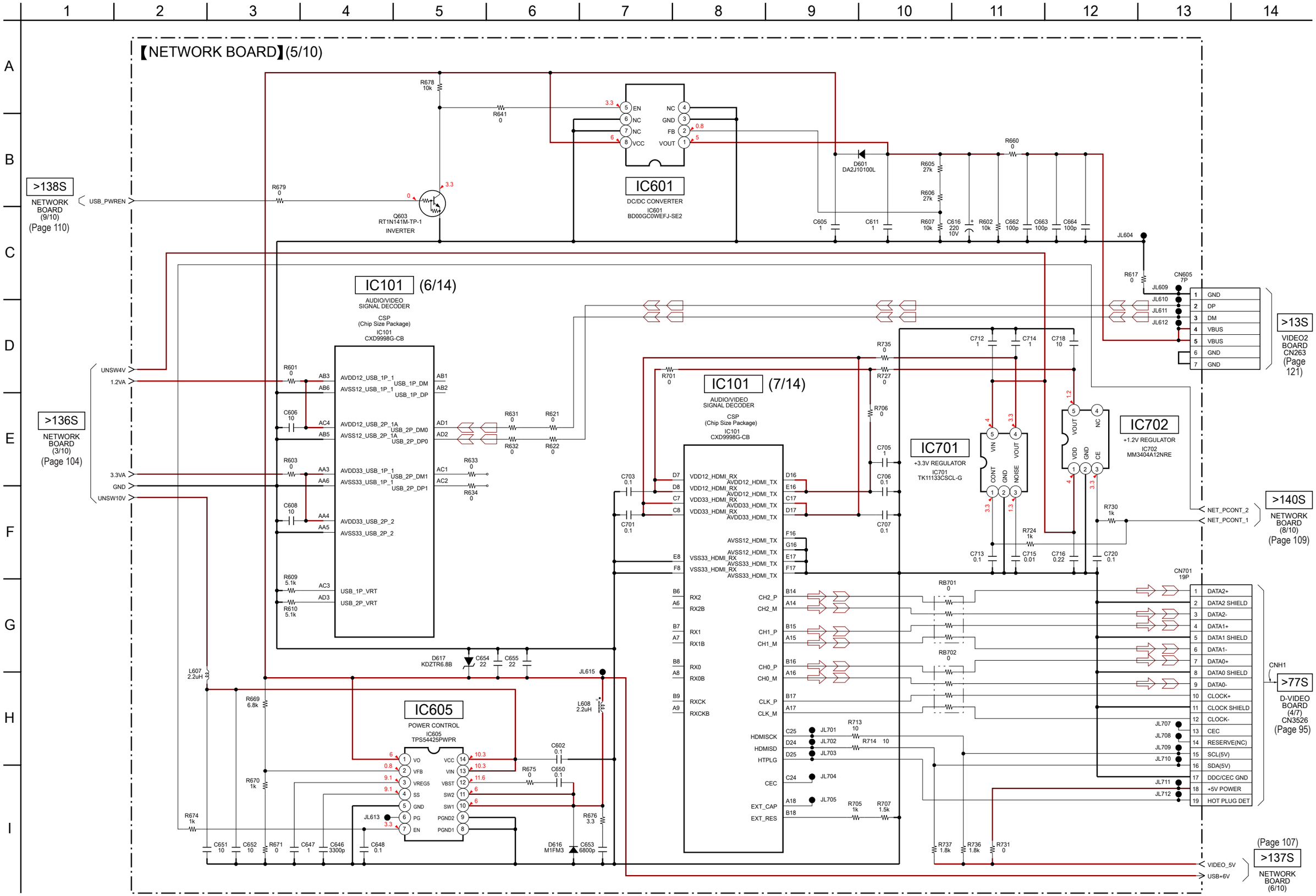
Note: IC304 on the NETWORK board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

5-68. SCHEMATIC DIAGRAM - NETWORK Board (4/10) - • See page 149 for IC Pin Function Description.



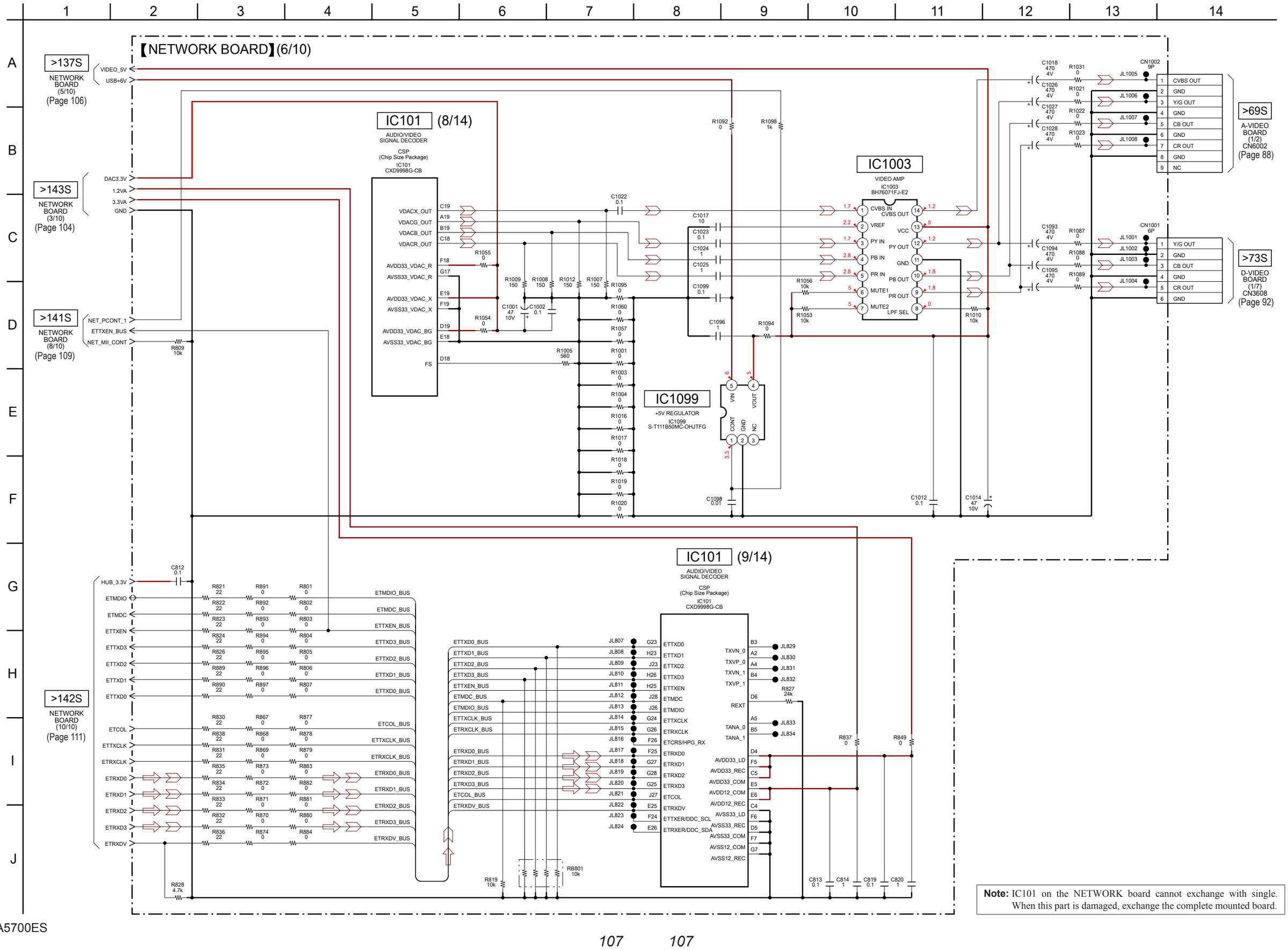
Note: IC101 and IC501 on the NETWORK board cannot exchange with single. When these parts are damaged, exchange the complete mounted board.

5-69. SCHEMATIC DIAGRAM - NETWORK Board (5/10) - • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.



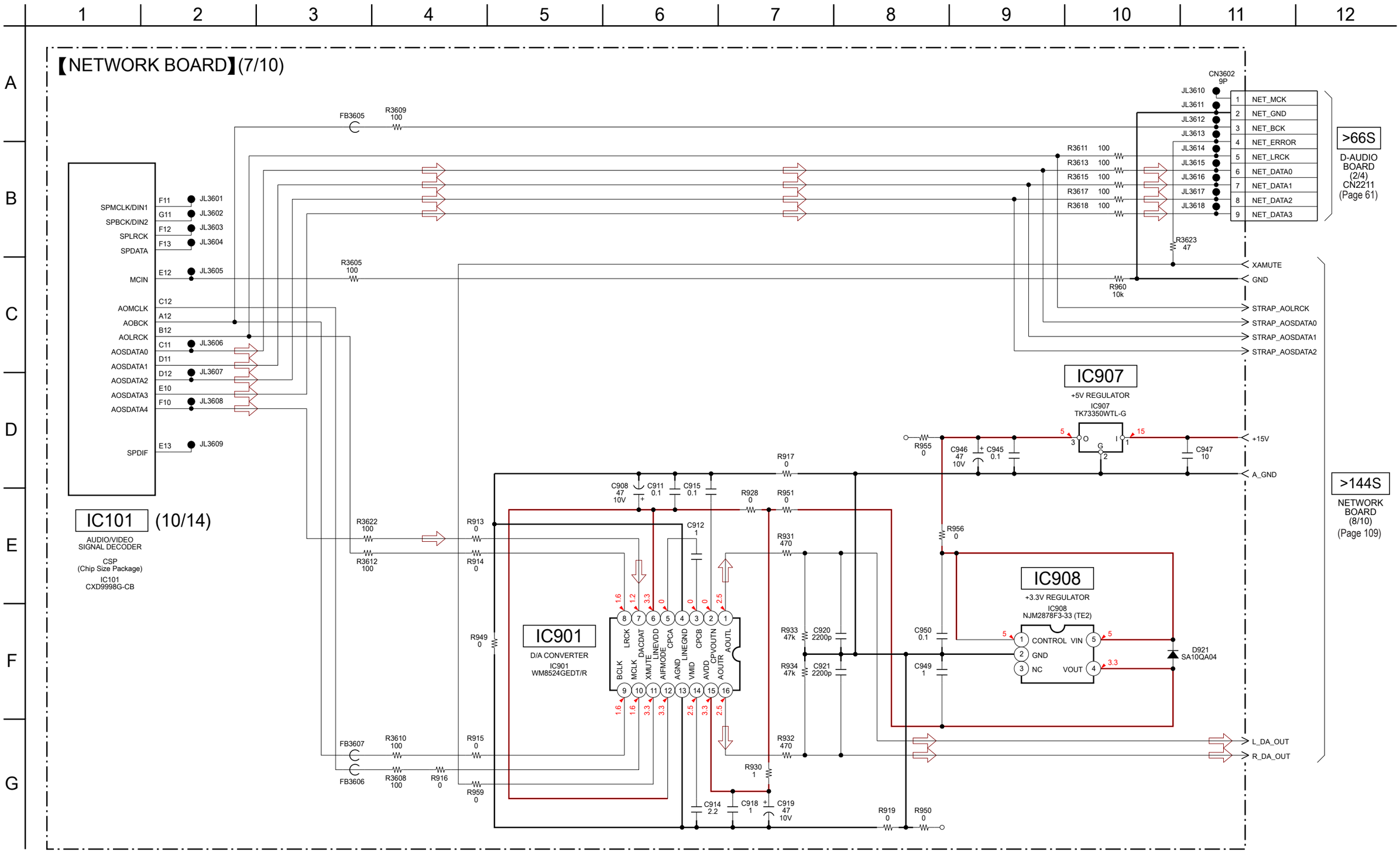
Note: IC101 on the NETWORK board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

5-70. SCHEMATIC DIAGRAM - NETWORK Board (6/10) - • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.



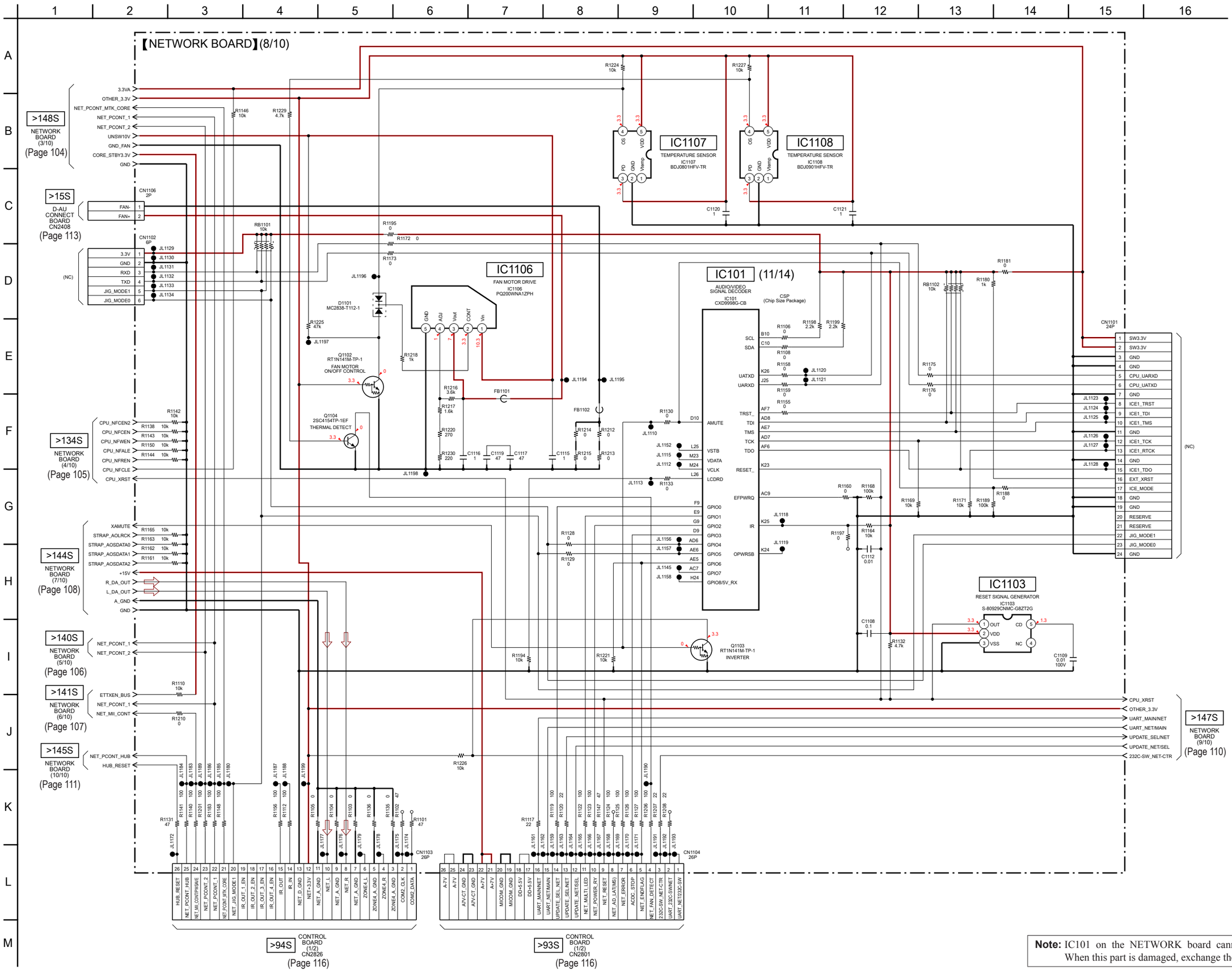
Note: IC101 on the NETWORK board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

5-71. SCHEMATIC DIAGRAM - NETWORK Board (7/10) - • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.



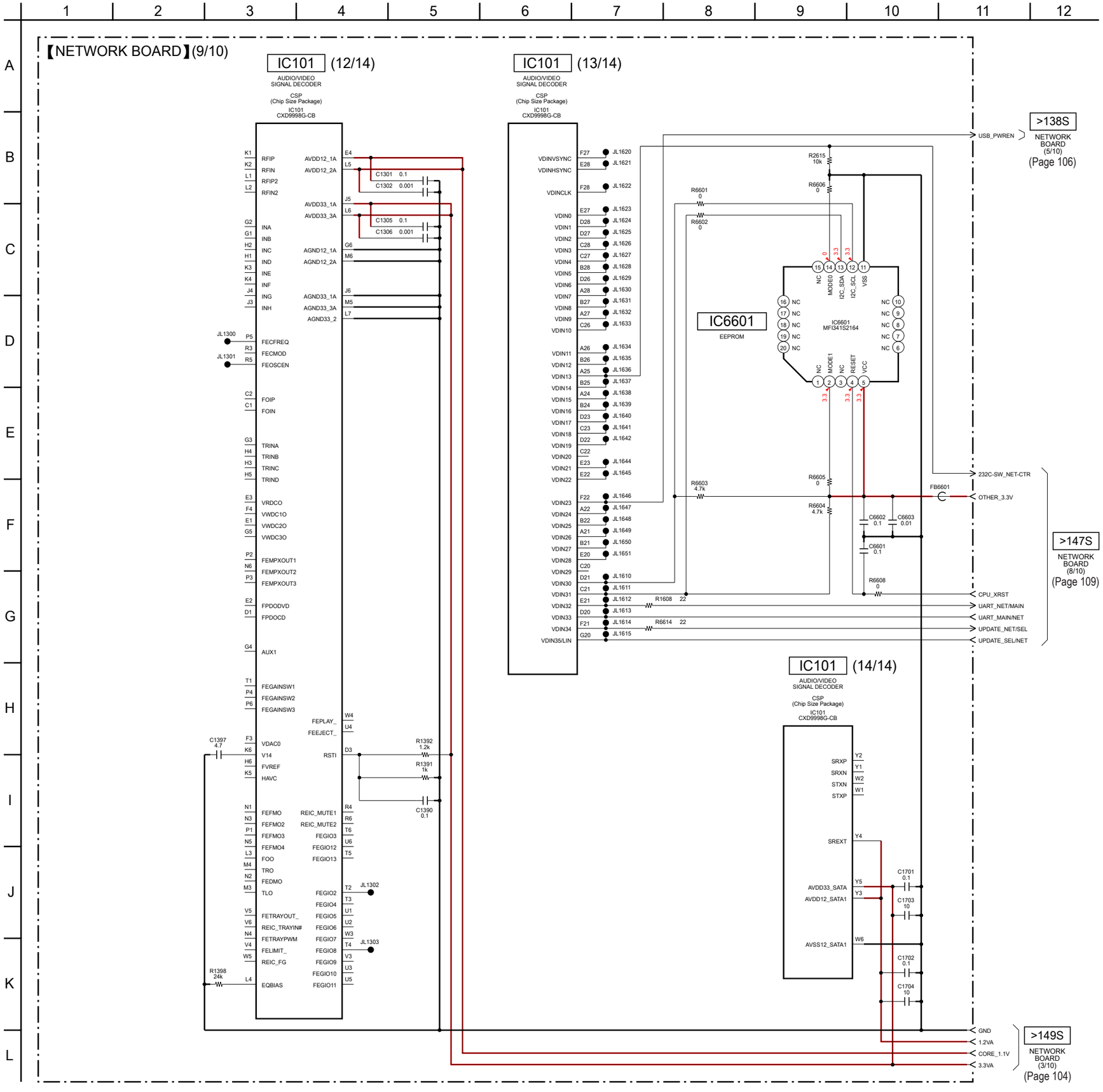
Note: IC101 on the NETWORK board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

5-72. SCHEMATIC DIAGRAM - NETWORK Board (8/10) - • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.



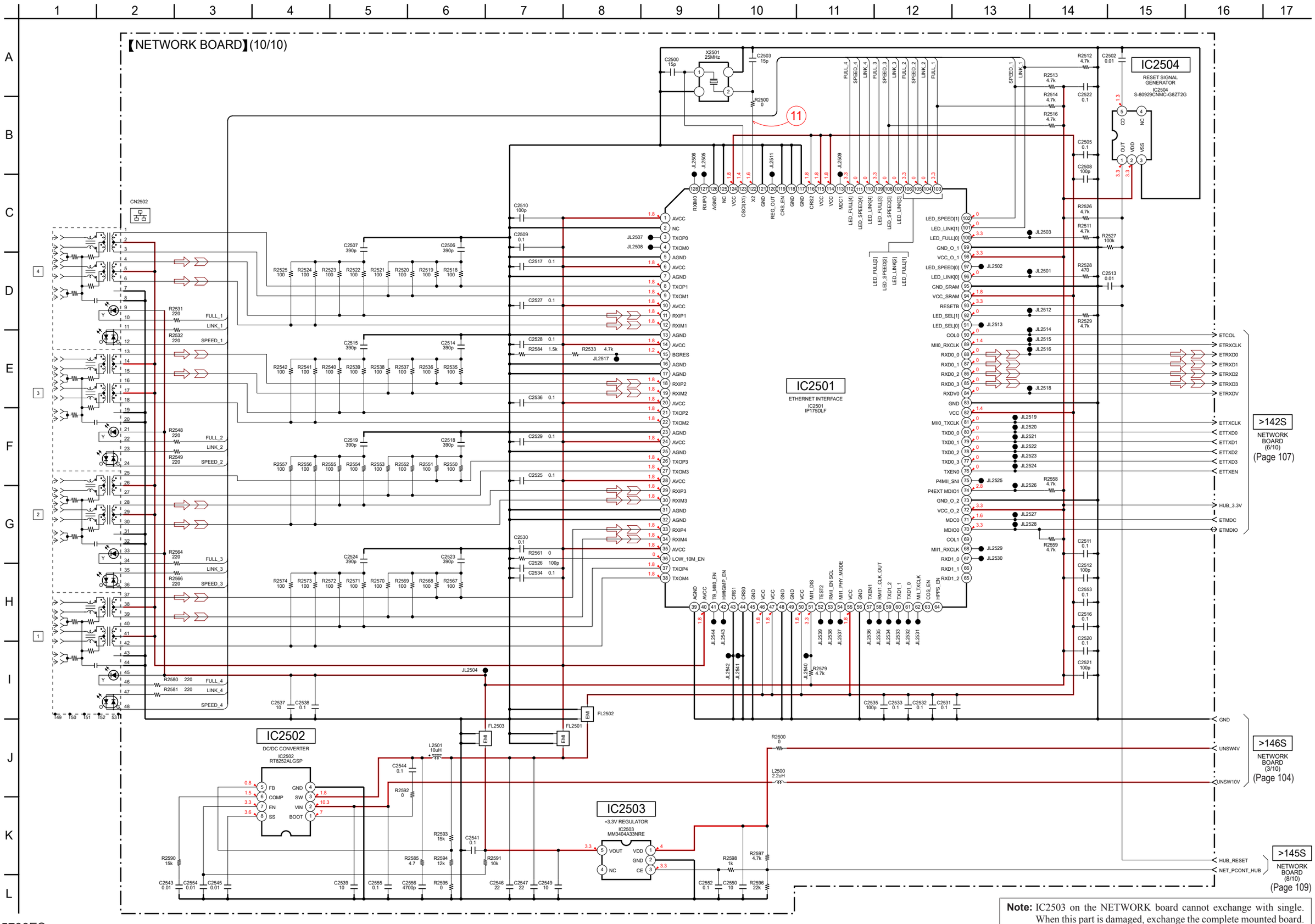
Note: IC101 on the NETWORK board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

5-73. SCHEMATIC DIAGRAM - NETWORK Board (9/10) - • See page 149 for IC Pin Function Description.



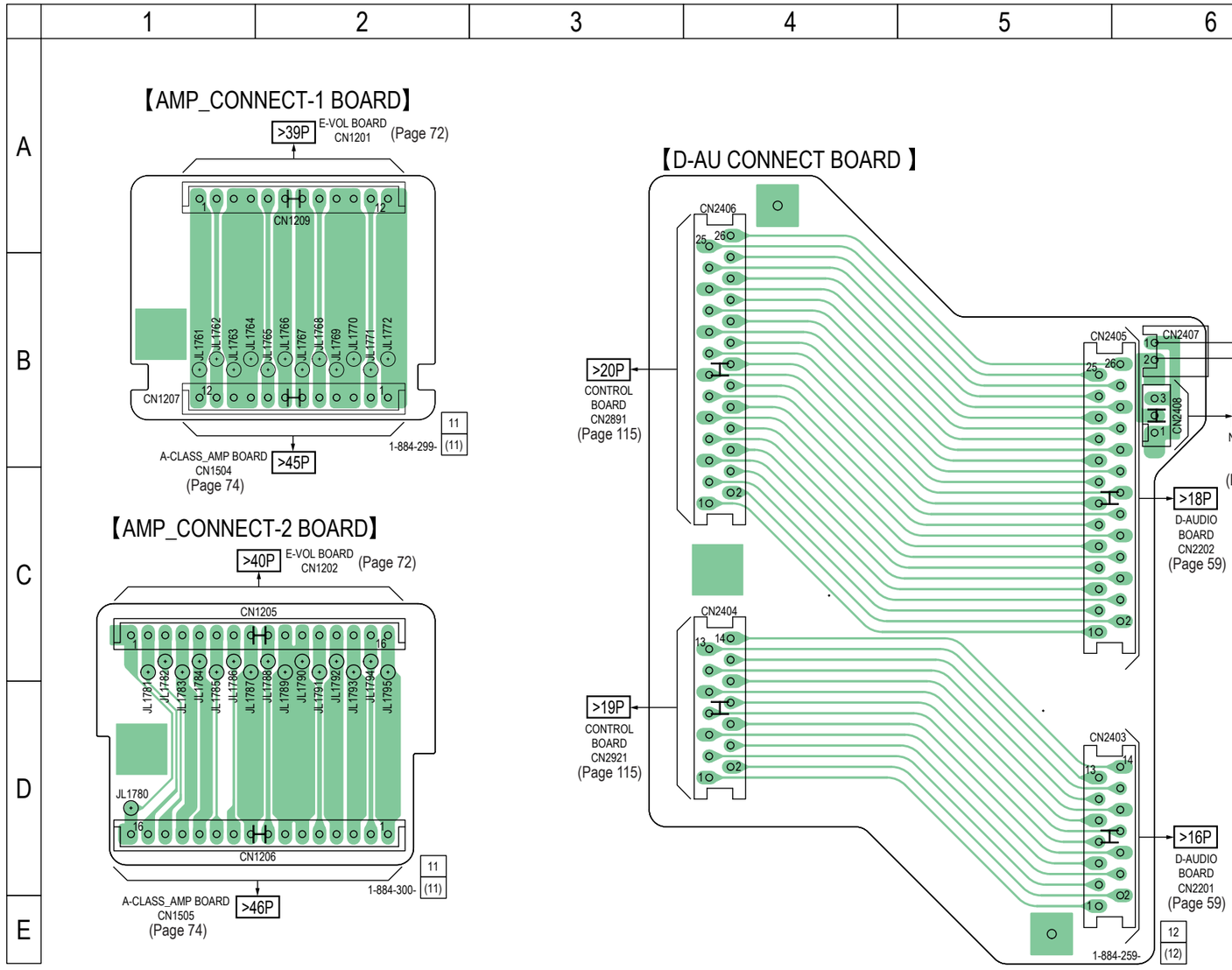
Note: IC101 on the NETWORK board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

5-74. SCHEMATIC DIAGRAM - NETWORK Board (10/10) - • See page 118 for Waveforms. • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.

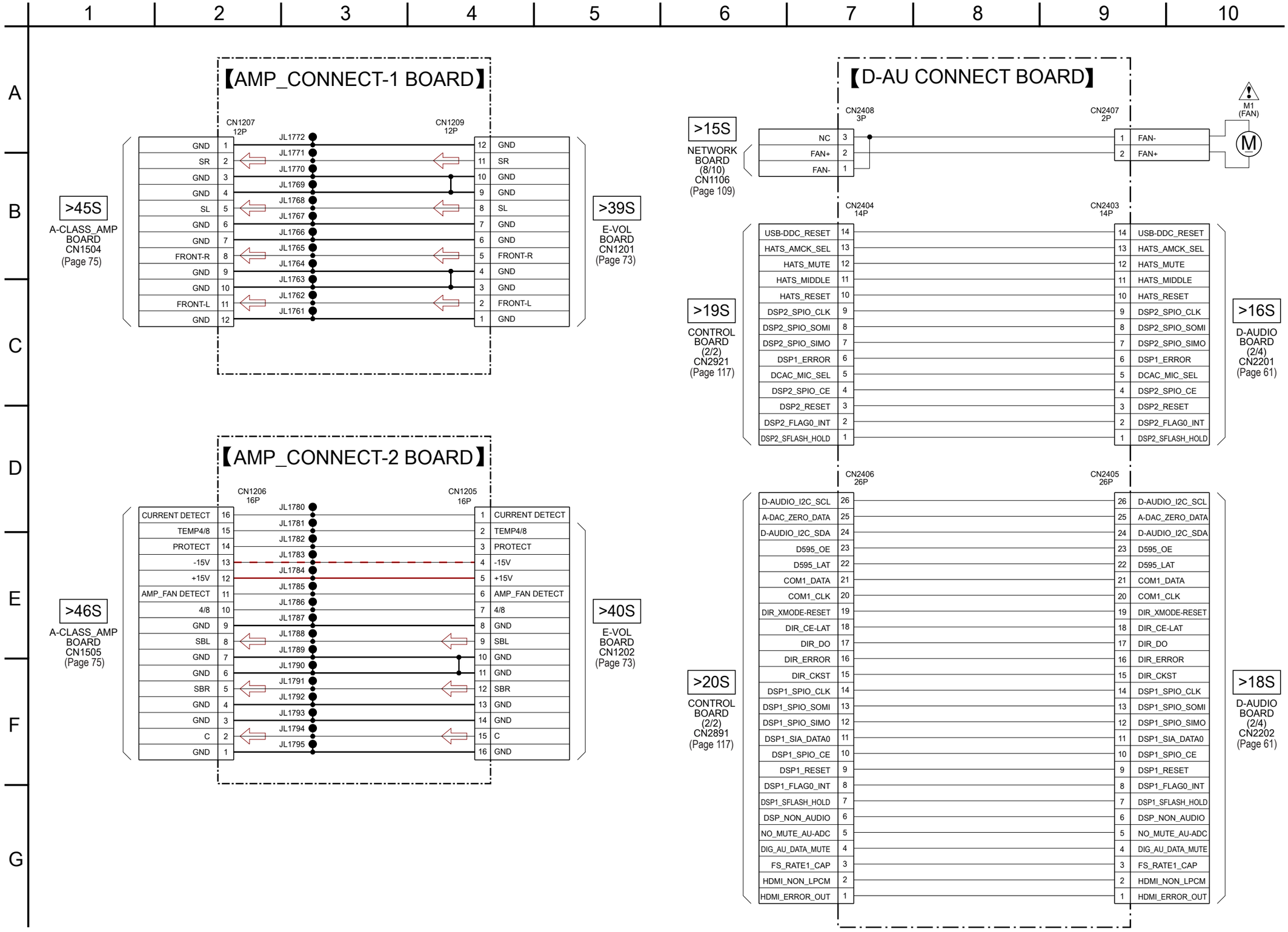


5-75. PRINTED WIRING BOARDS - CONNECTOR Section -

• See page 54 for Circuit Boards Location. • : Uses unleaded solder.



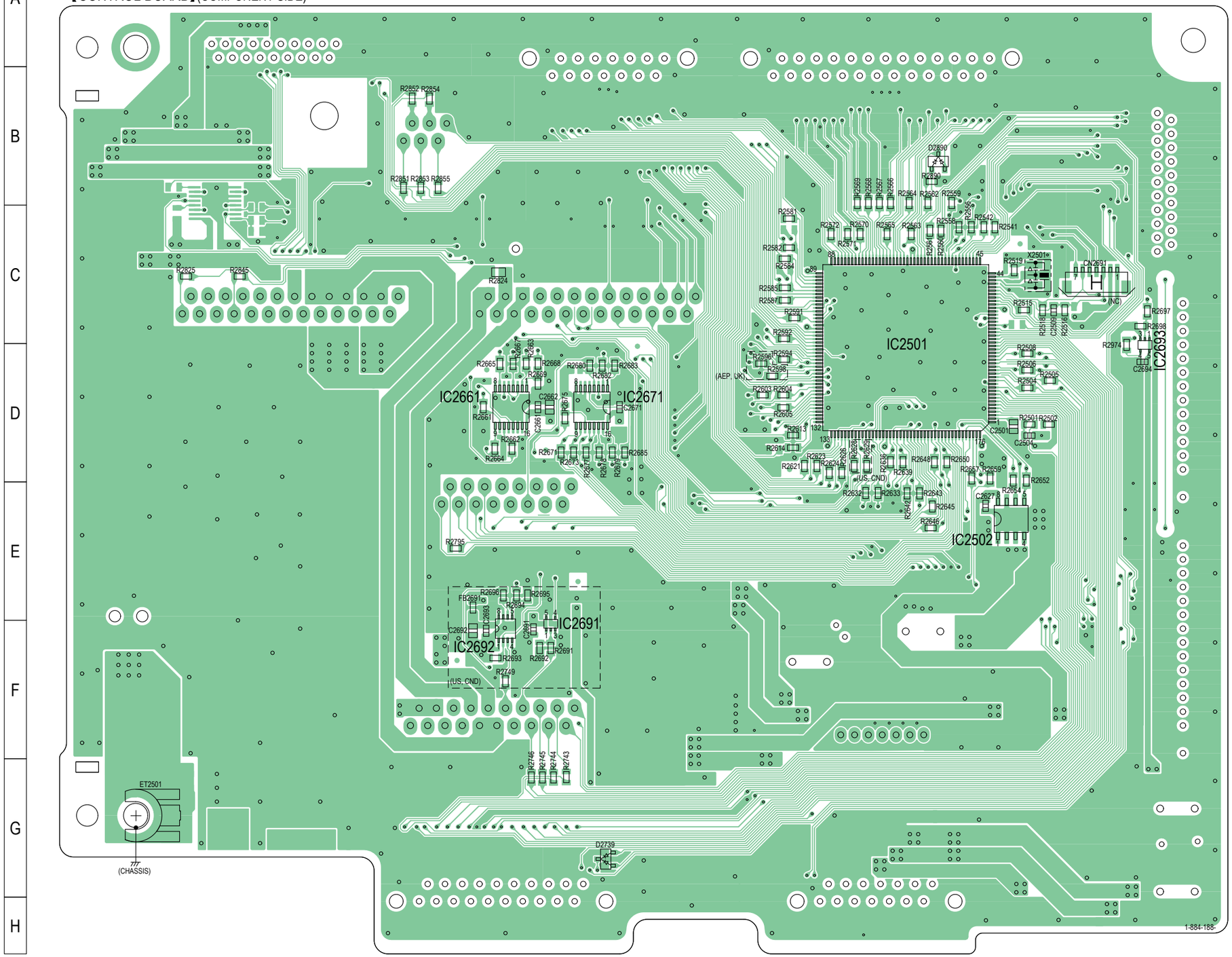
5-76. SCHEMATIC DIAGRAM - CONNECTOR Section -



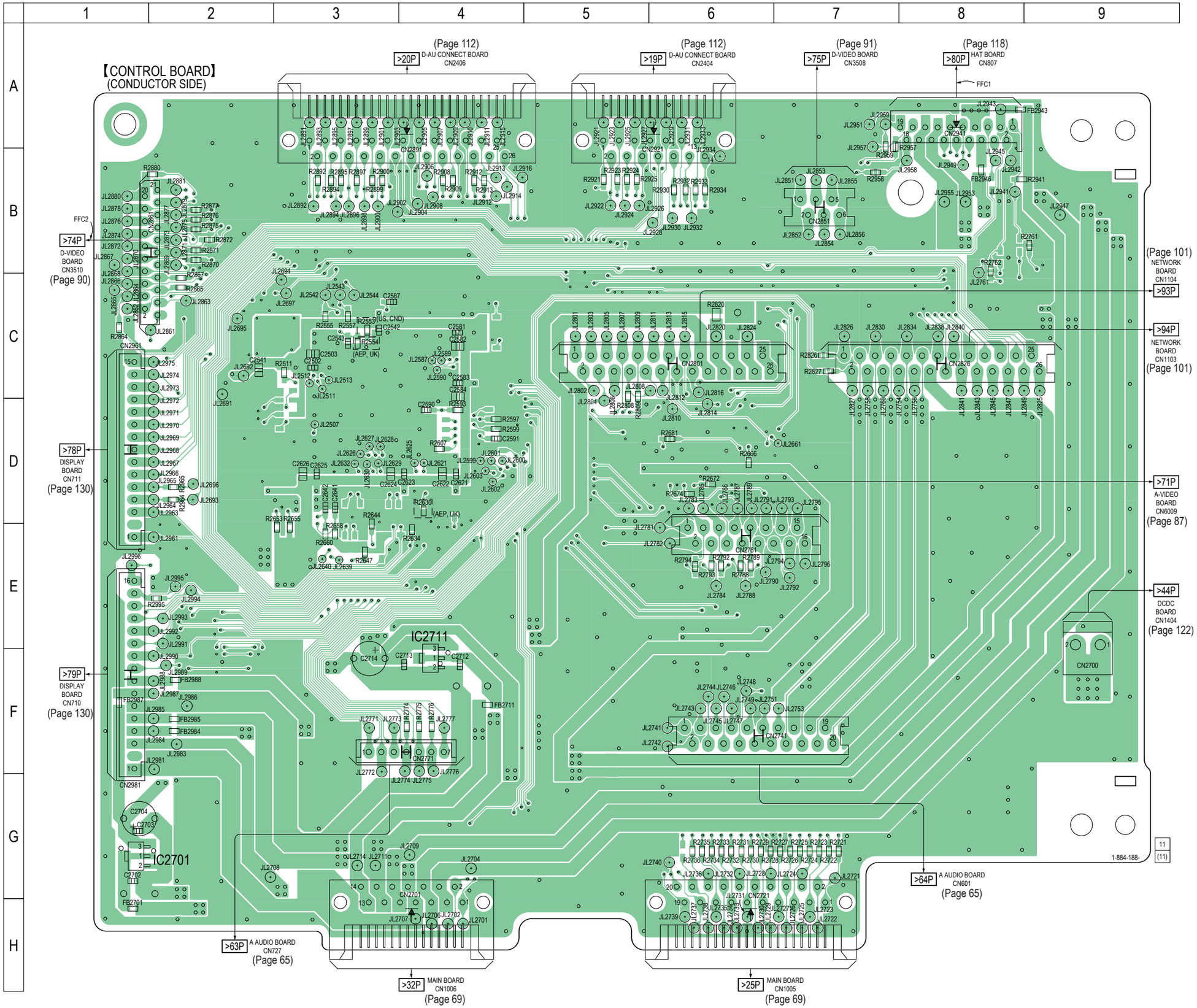
5-77. PRINTED WIRING BOARD - CONTROL Board (Component Side) -

• See page 54 for Circuit Boards Location. • : Uses unleaded solder.

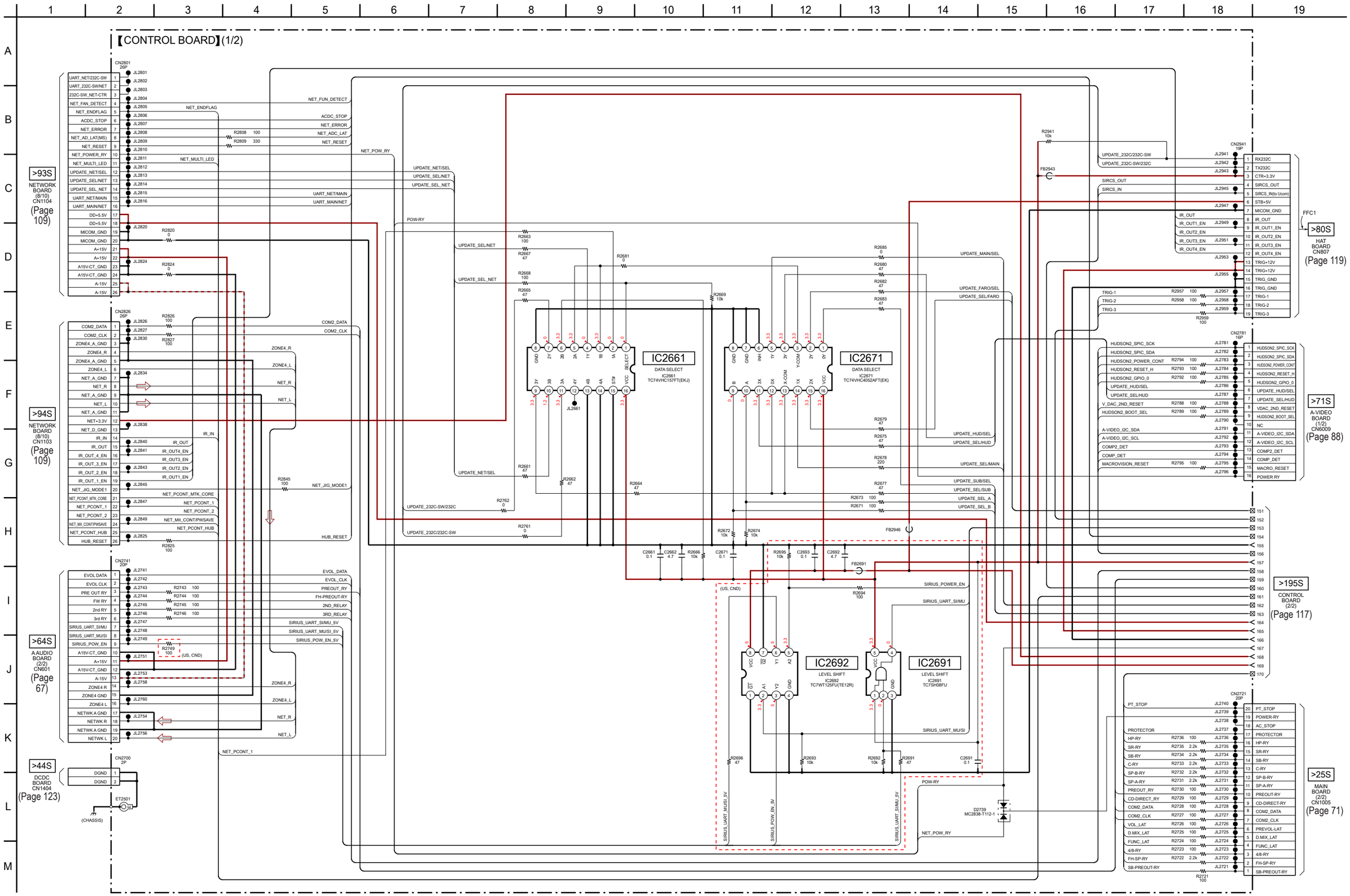
【CONTROL BOARD】(COMPONENT SIDE)



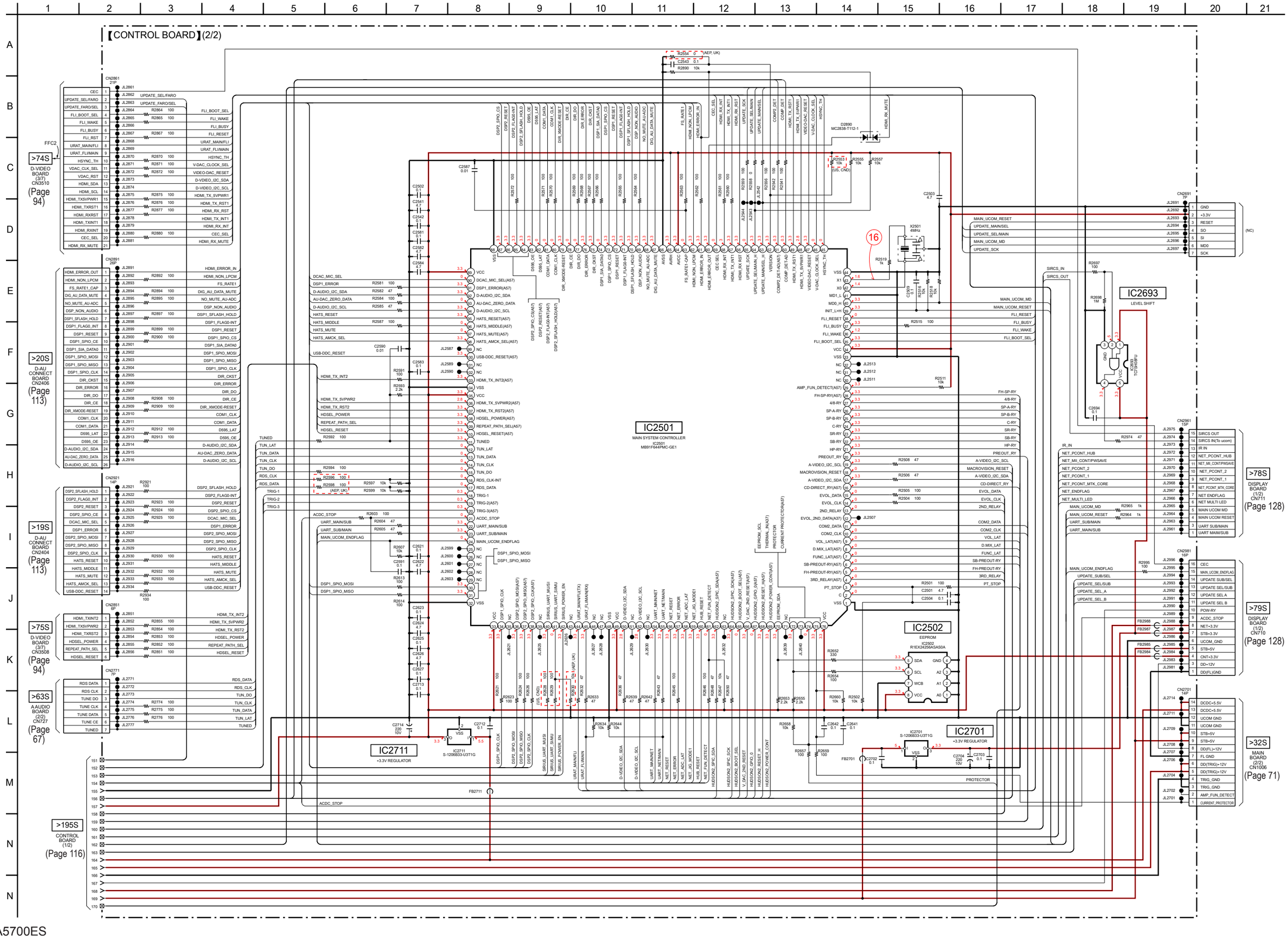
5-78. PRINTED WIRING BOARD - CONTROL Board (Conductor Side) - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.



5-79. SCHEMATIC DIAGRAM - CONTROL Board (1/2) - • See page 131 for IC Block Diagrams.



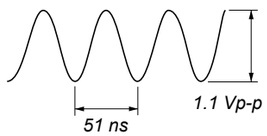
5-80. SCHEMATIC DIAGRAM - CONTROL Board (2/2) - • See page 118 for Waveforms. • See page 149 for IC Pin Function Description.



• **Waveforms**

– A-VIDEO Board –

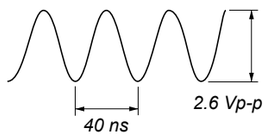
① IC6302 ⑫ (XTAL)



50 mV/DIV, 20 ns/DIV

– NETWORK Board –

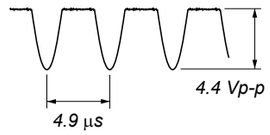
⑪ IC2501 ⑫② (X2)



1 V/DIV, 20 ns/DIV

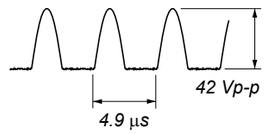
– DISPLAY Board –

⑳ Q705, 706 (Base)



5 V/DIV, 5 µs/DIV

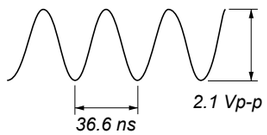
㉑ Q705, 706 (Collector)



50 V/DIV, 5 µs/DIV

– D-VIDEO Board –

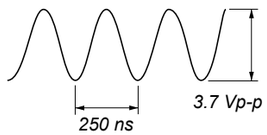
⑥ IC3511 ⑤ (XTALIN)



1 V/DIV, 20 ns/DIV

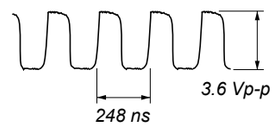
– CONTROL Board –

⑯ IC2501 ㊸ (X1)



1 V/DIV, 100 ns/DIV

㉒ IC763 ㉜ (X1 (X_OUT))

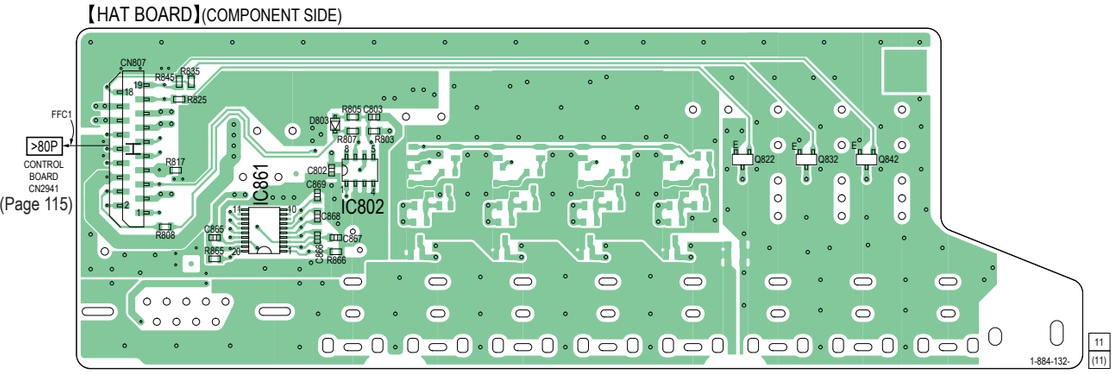


2 V/DIV, 200 ns/DIV

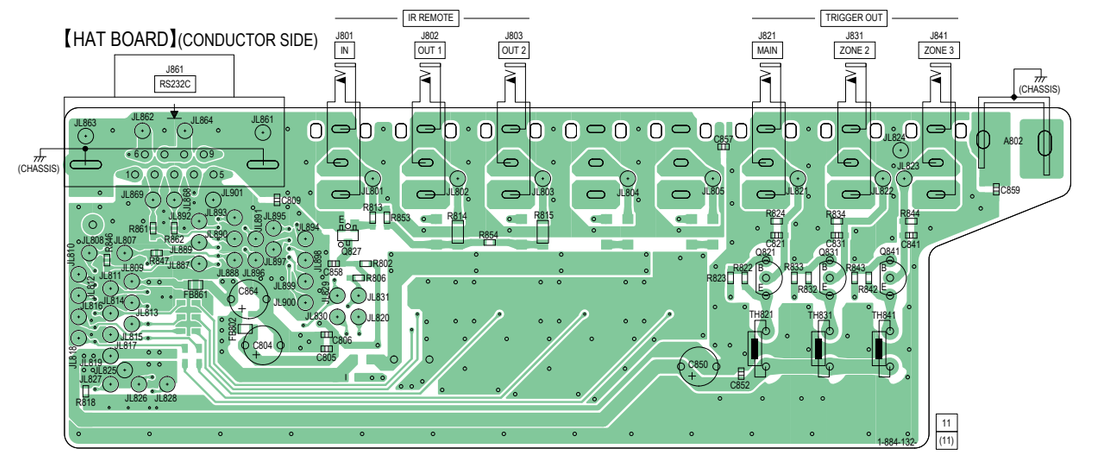
5-81. PRINTED WIRING BOARD - HAT Board -

• See page 54 for Circuit Boards Location. • : Uses unleaded solder.

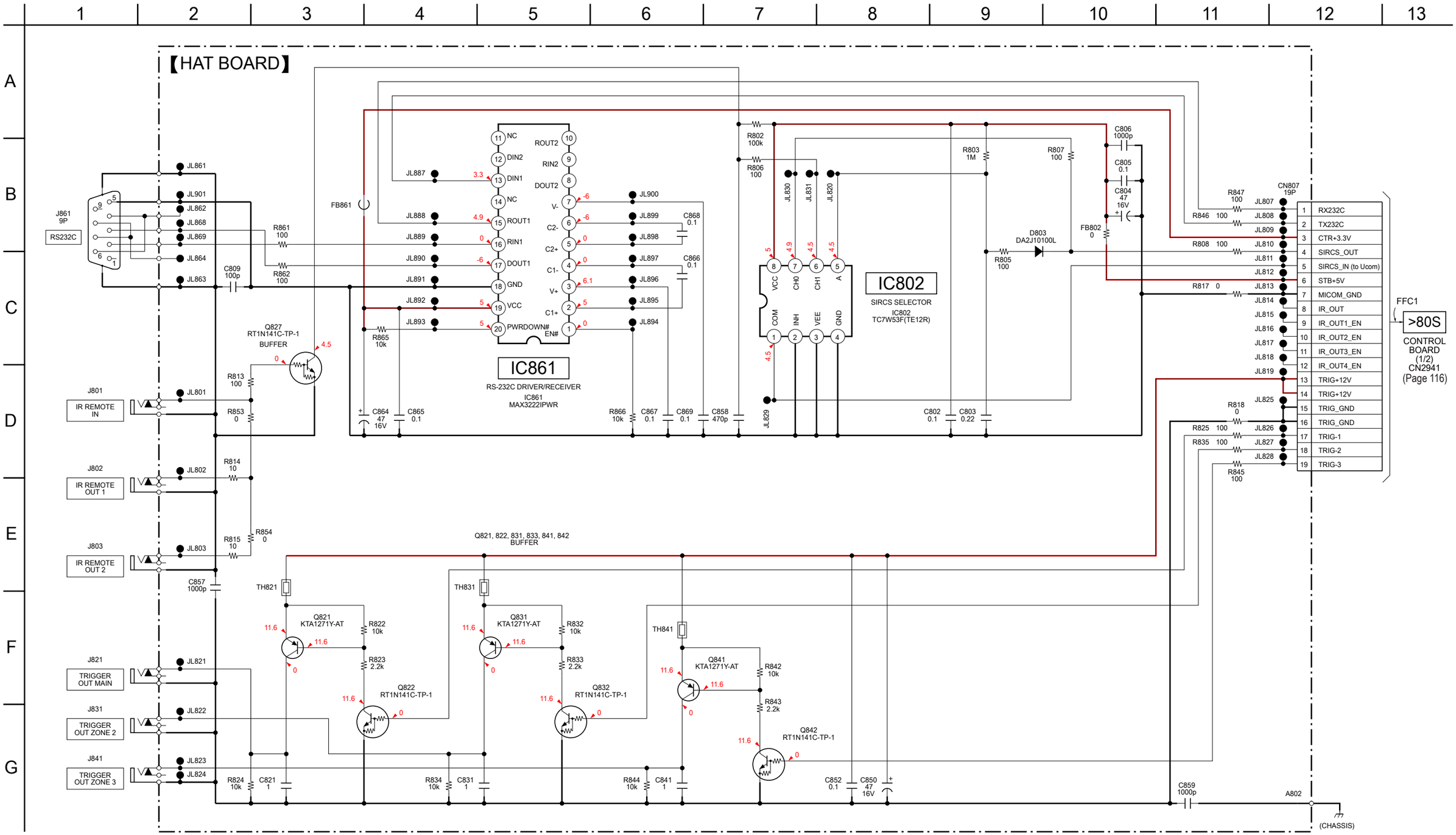
【HAT BOARD】(COMPONENT SIDE)



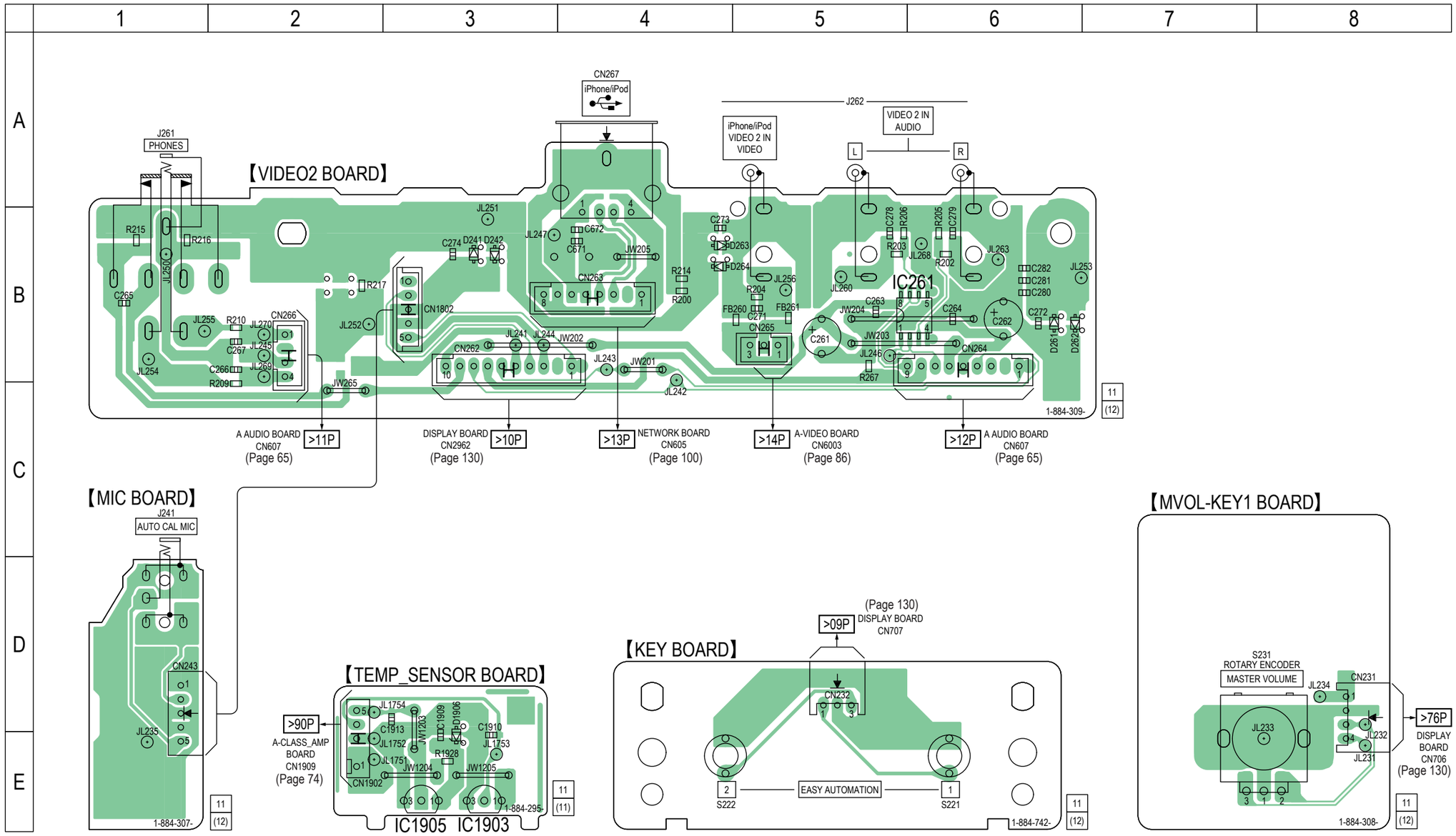
【HAT BOARD】(CONDUCTOR SIDE)



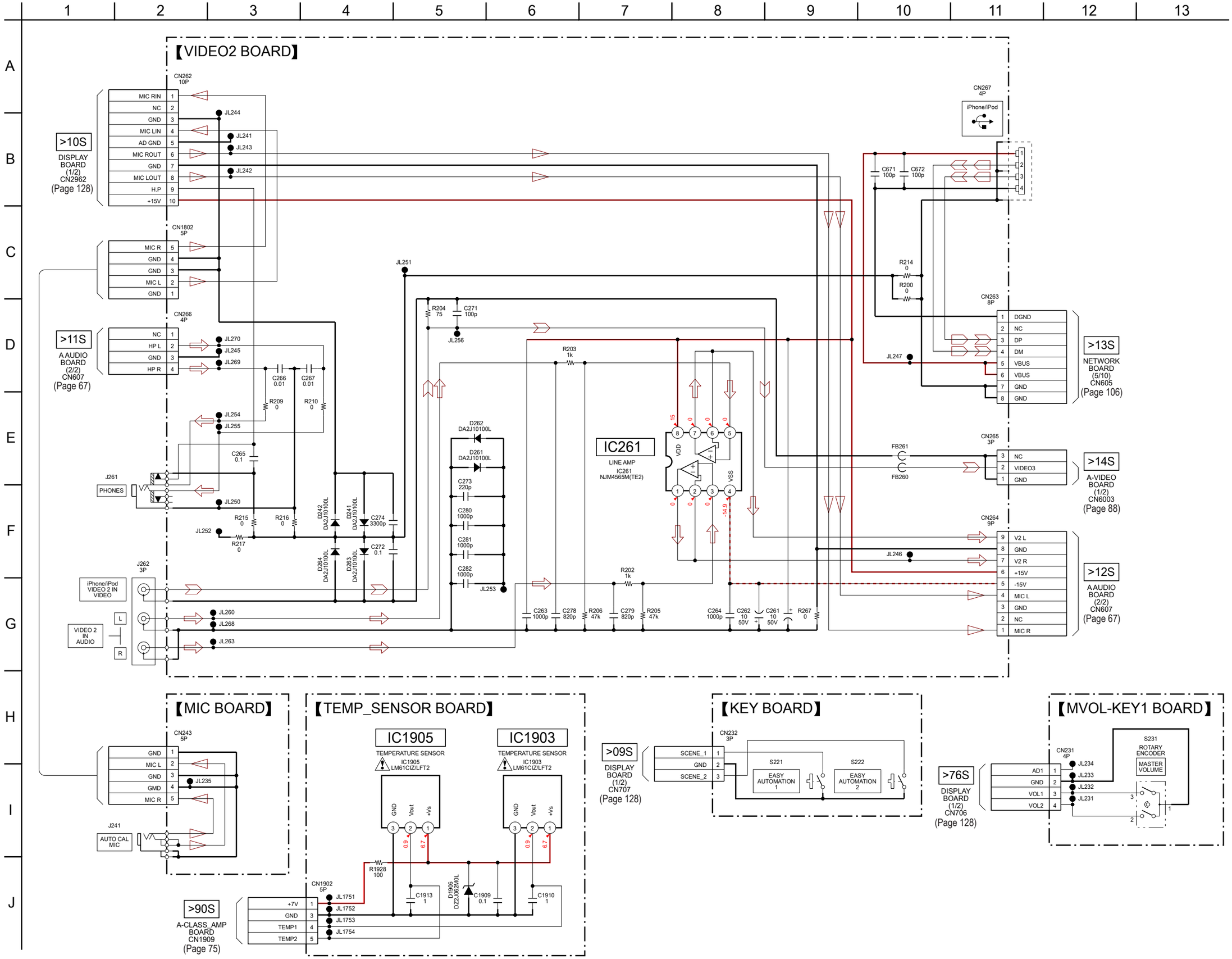
5-82. SCHEMATIC DIAGRAM - HAT Board - • See page 131 for IC Block Diagrams.



5-83. PRINTED WIRING BOARDS - PANEL Section - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.



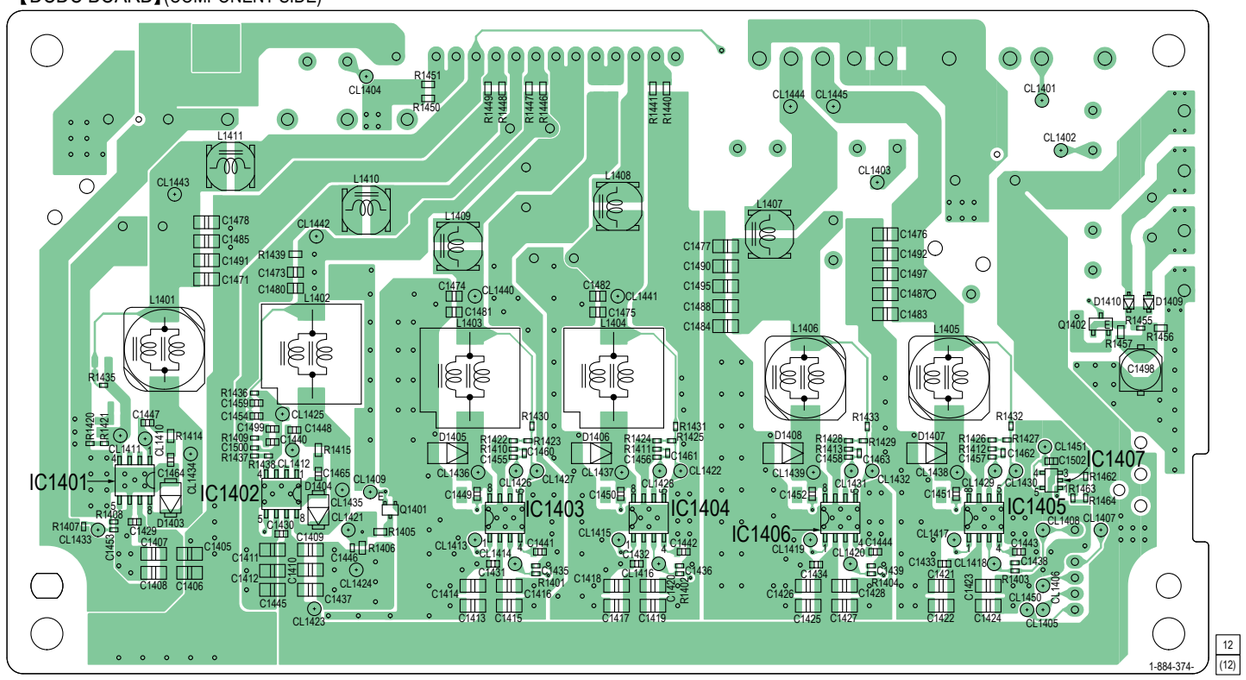
5-84. SCHEMATIC DIAGRAM - PANEL Section -



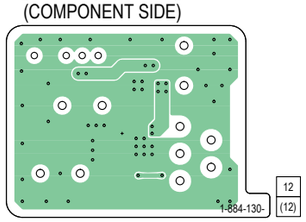
5-85. PRINTED WIRING BOARDS - DCDC Section -

• See page 54 for Circuit Boards Location. • : Uses unleaded solder.

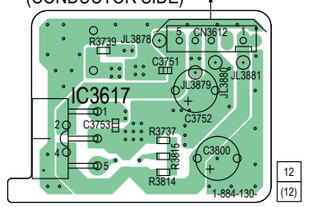
【DCDC BOARD】(COMPONENT SIDE)



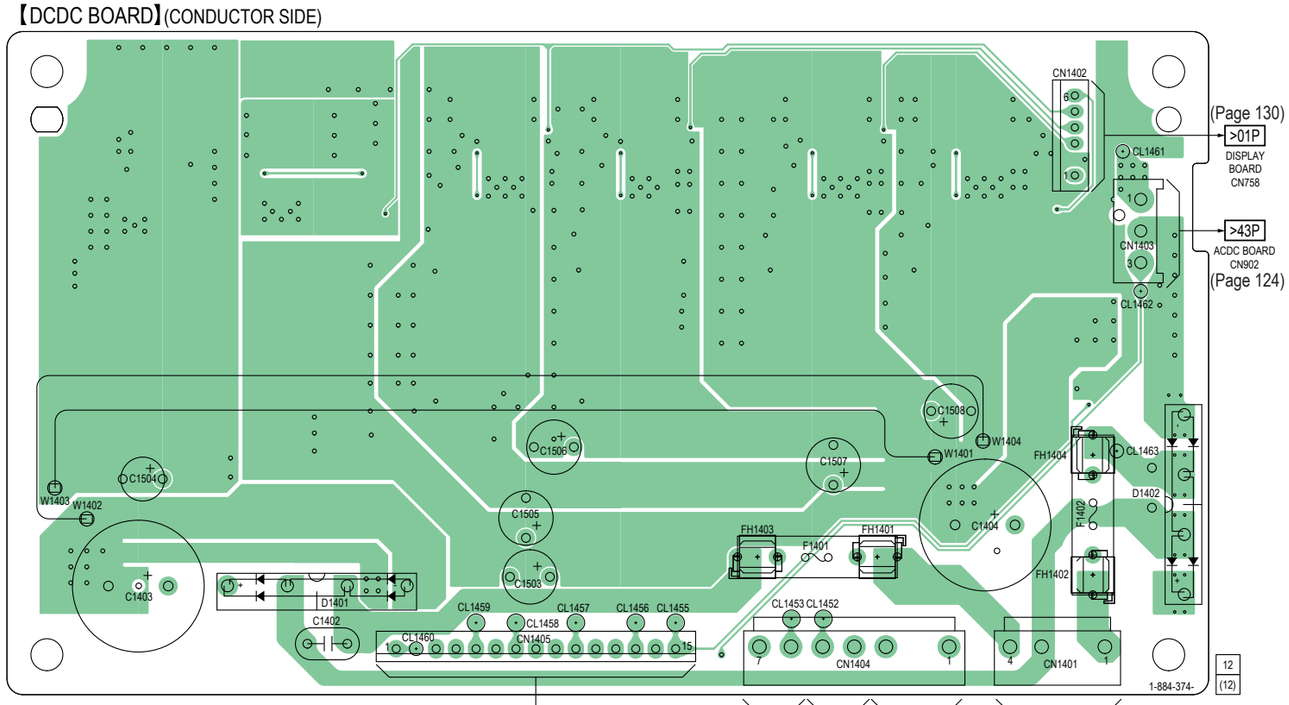
【FLI-REG BOARD】(COMPONENT SIDE)



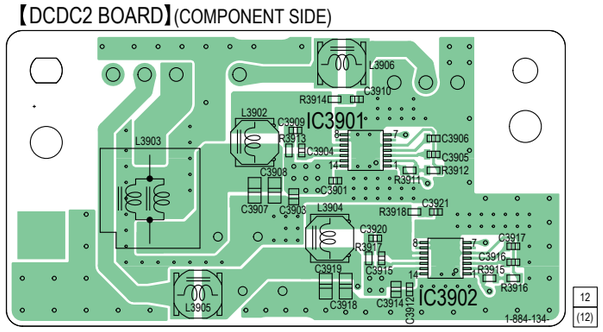
【FLI-REG BOARD】(CONDUCTOR SIDE)



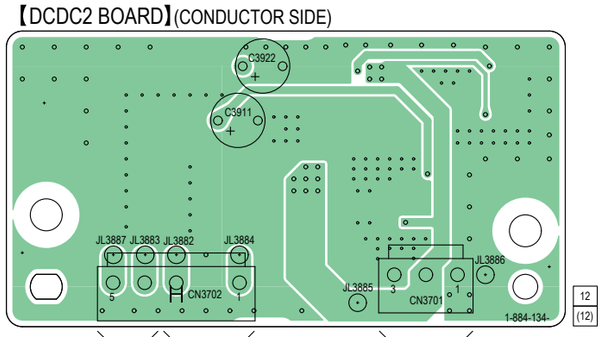
【DCDC BOARD】(CONDUCTOR SIDE)



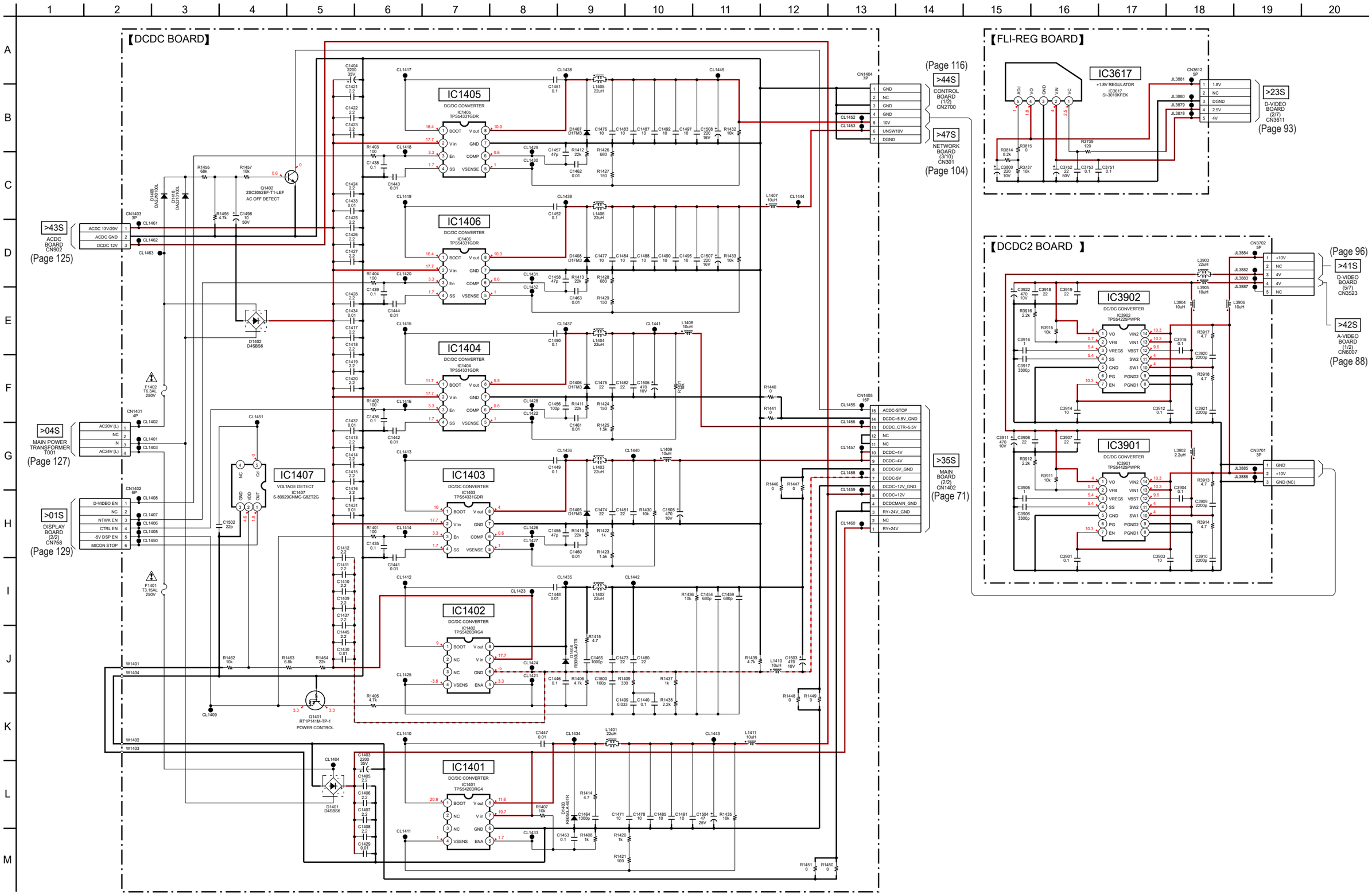
【DCDC2 BOARD】(COMPONENT SIDE)



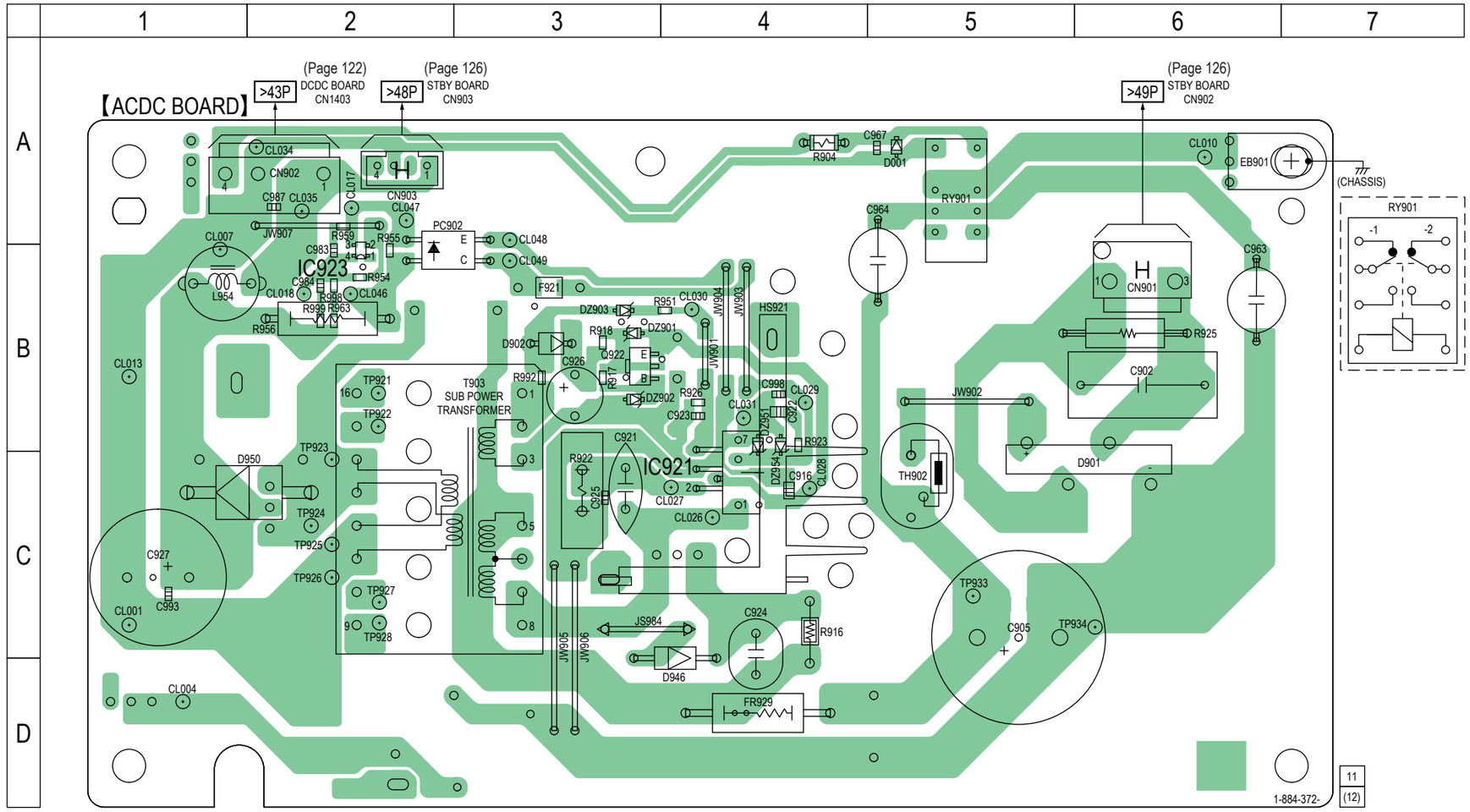
【DCDC2 BOARD】(CONDUCTOR SIDE)



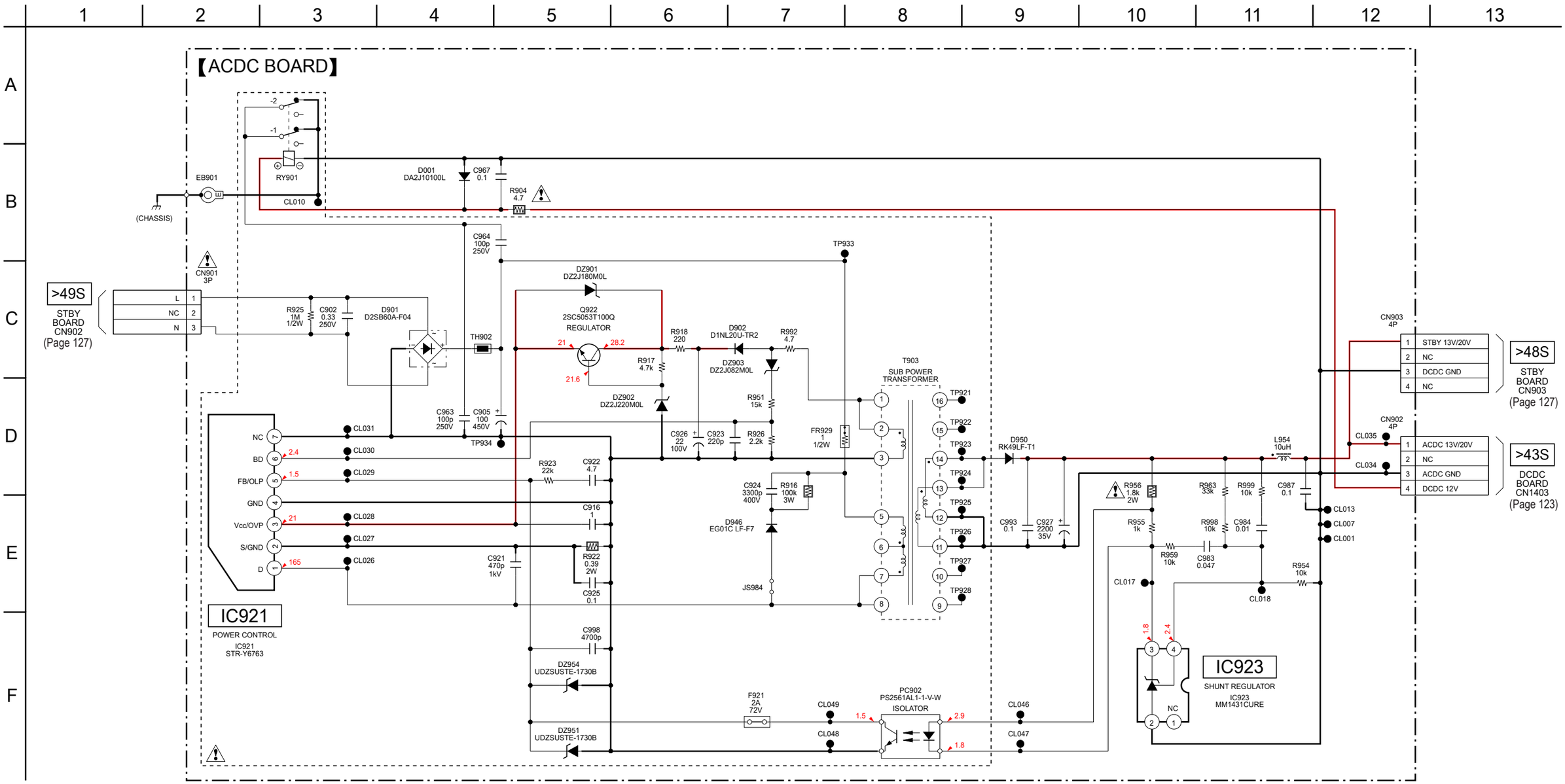
5-86. SCHEMATIC DIAGRAM - DCDC Section - • See page 131 for IC Block Diagrams.



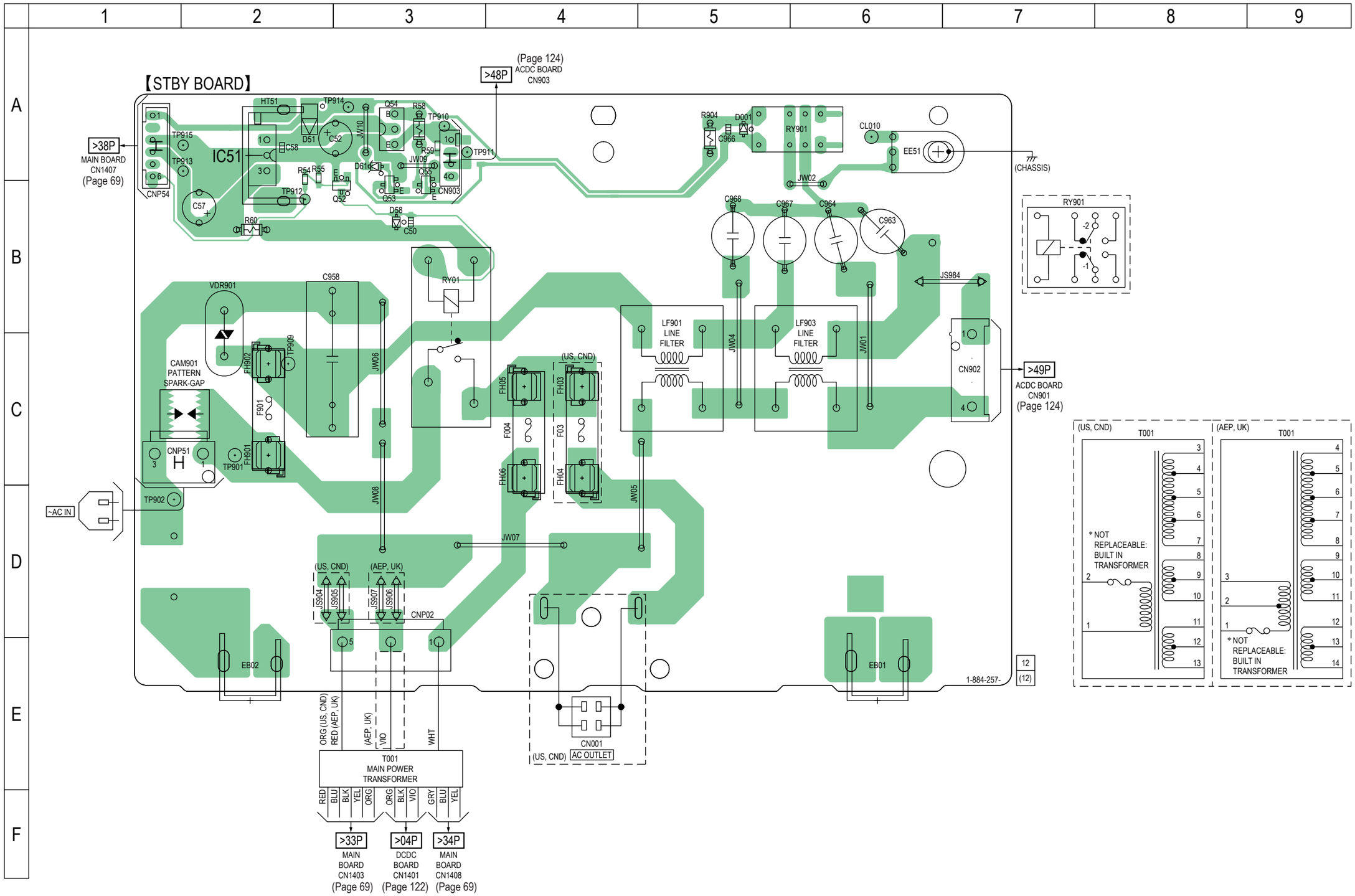
5-87. PRINTED WIRING BOARD - ACDC Board - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.



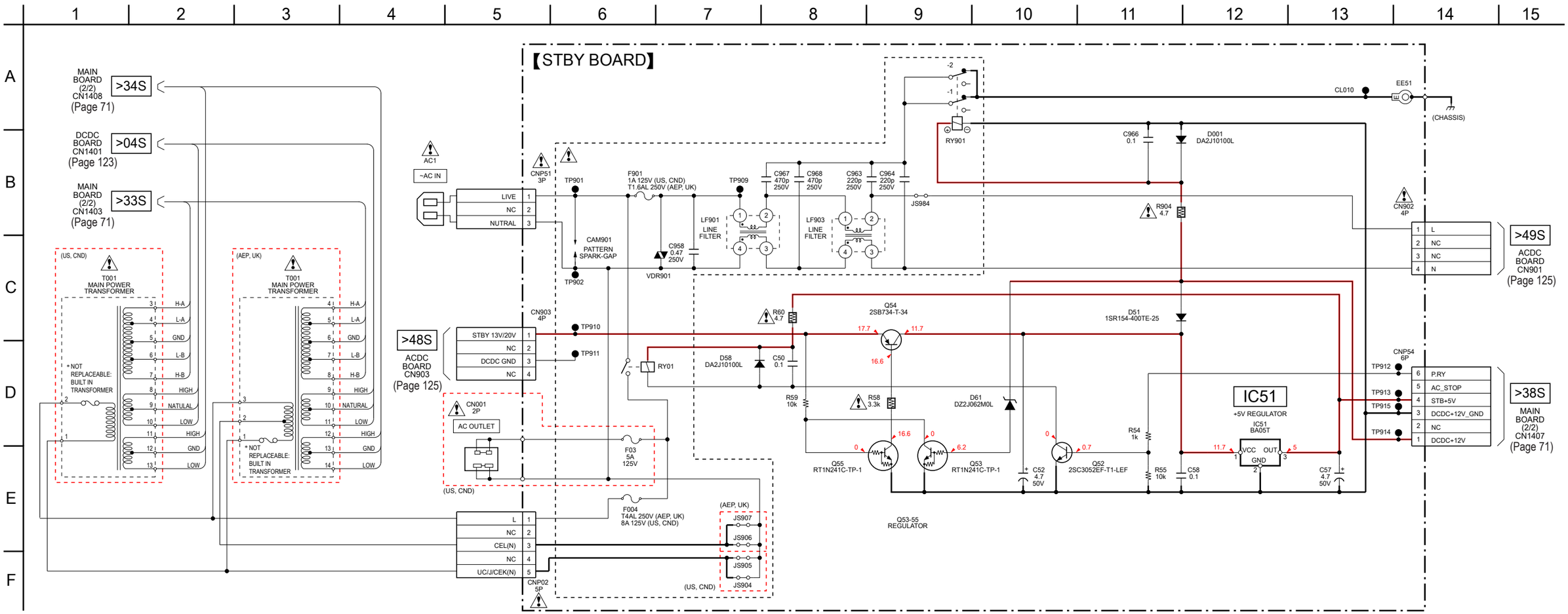
5-88. SCHEMATIC DIAGRAM - ACDC Board - • See page 131 for IC Block Diagrams.



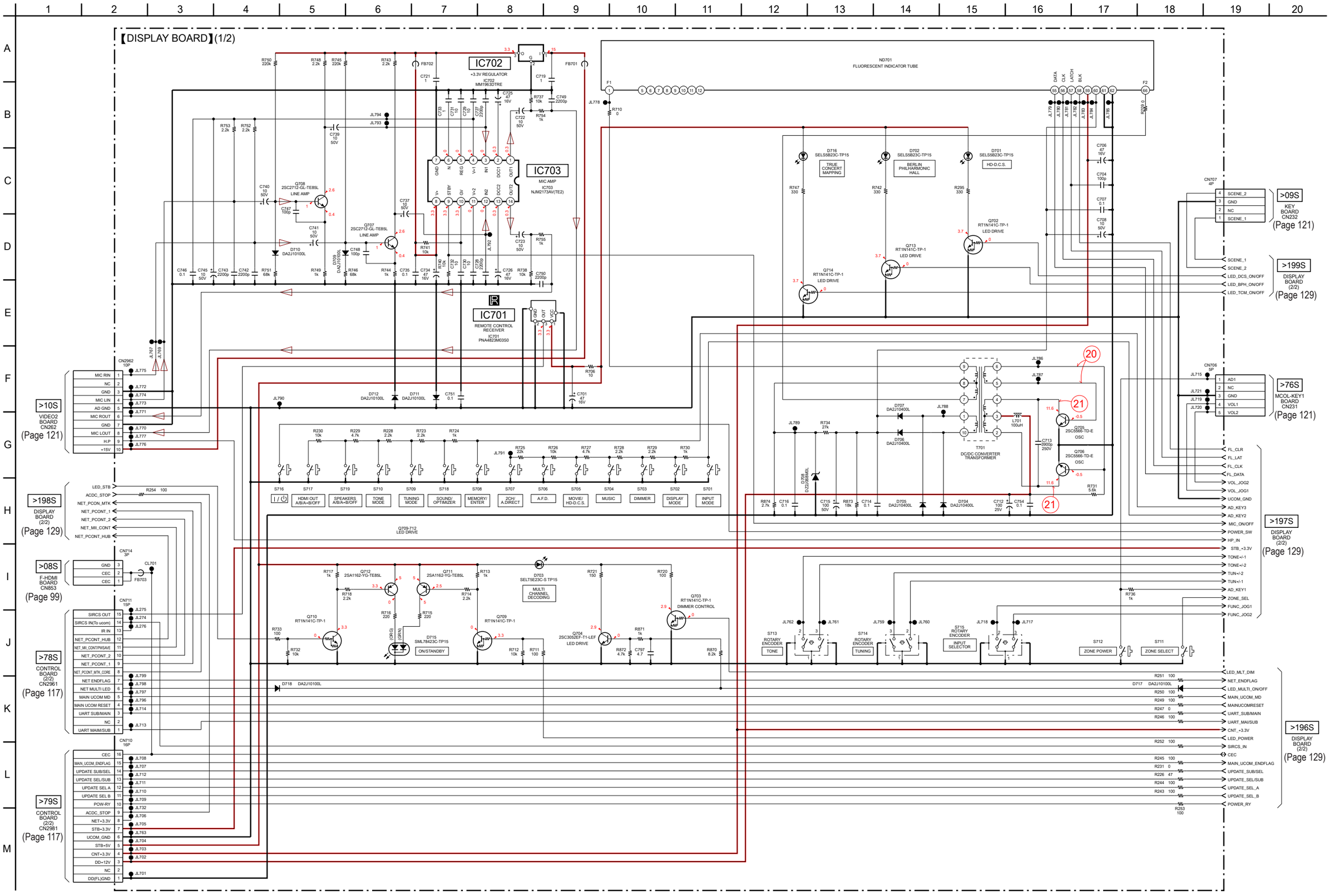
5-89. PRINTED WIRING BOARD - STBY Board - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.



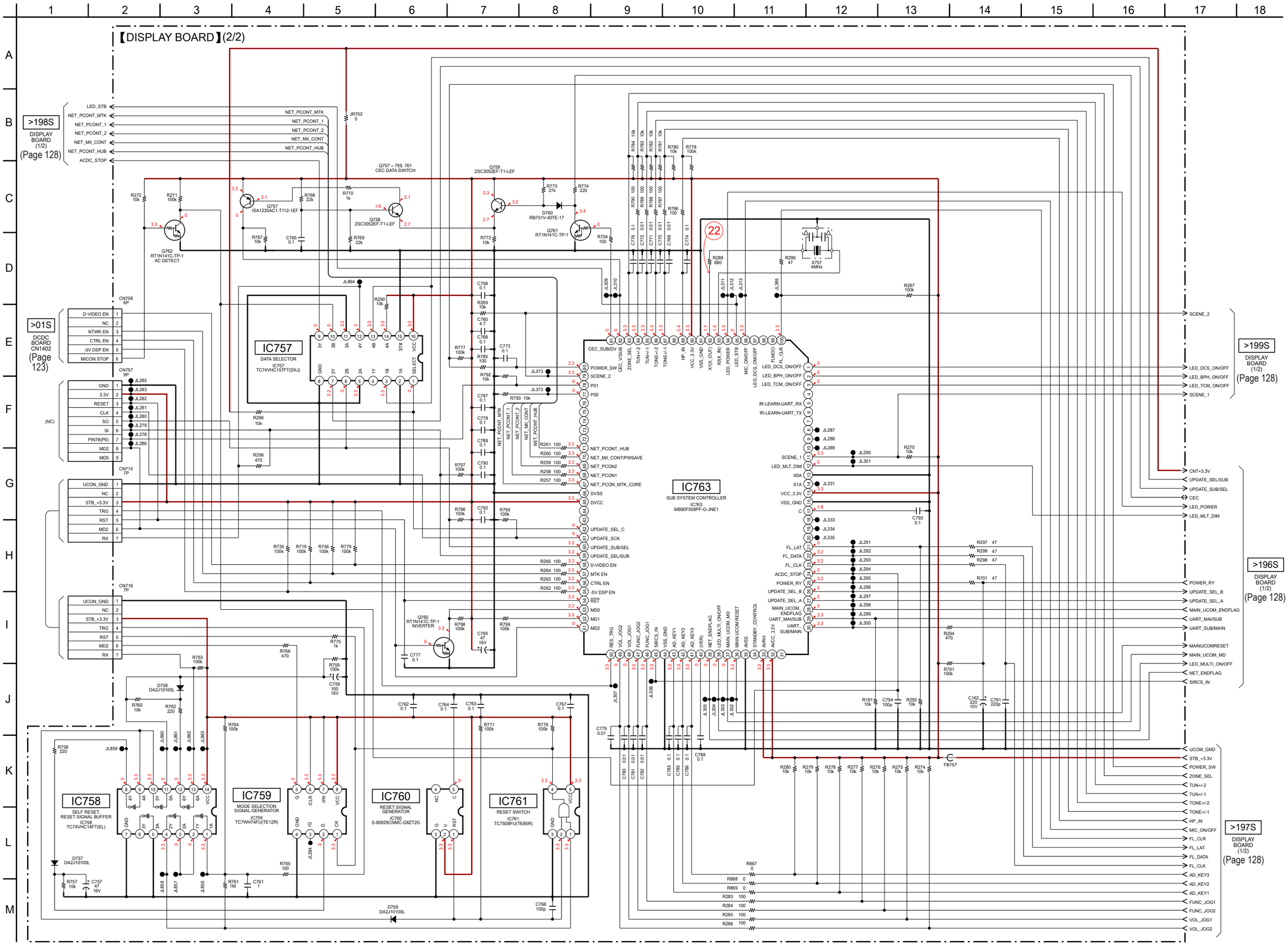
5-90. SCHEMATIC DIAGRAM - STBY Board -



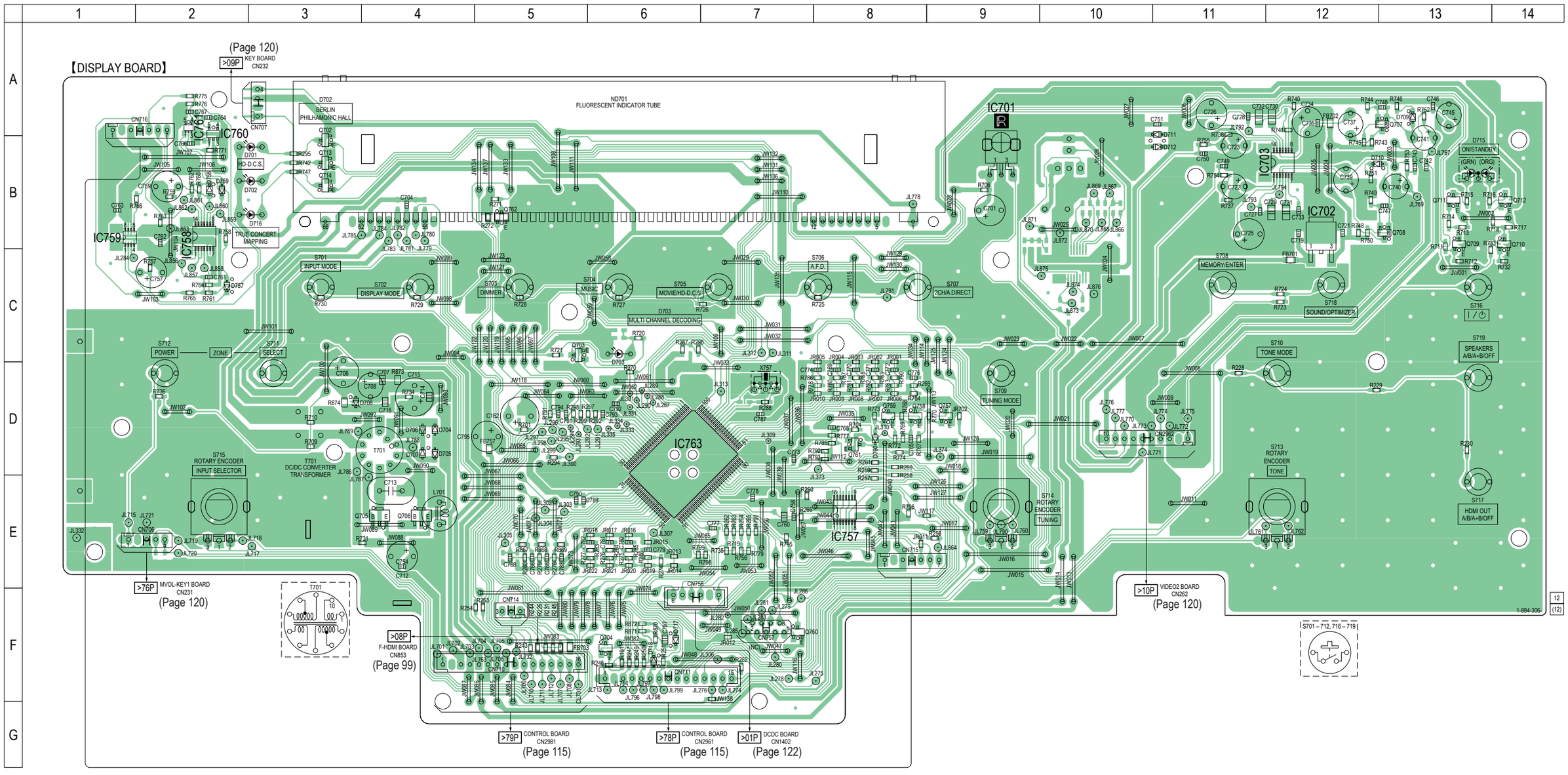
5-91. SCHEMATIC DIAGRAM - DISPLAY Board (1/2) - • See page 118 for Waveforms. • See page 131 for IC Block Diagrams.



5-92. SCHEMATIC DIAGRAM - DISPLAY Board (2/2) - • See page 118 for Waveforms. • See page 131 for IC Block Diagrams. • See page 149 for IC Pin Function Description.

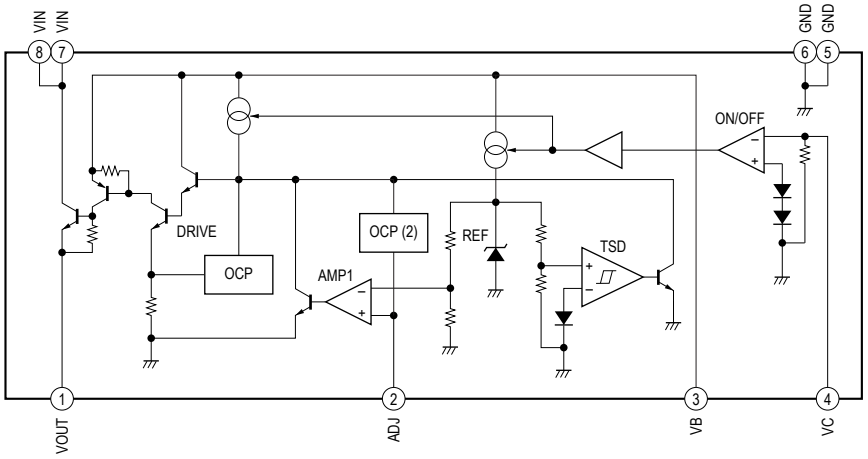


5-93. PRINTED WIRING BOARD - DISPLAY Board - • See page 54 for Circuit Boards Location. • : Uses unleaded solder.

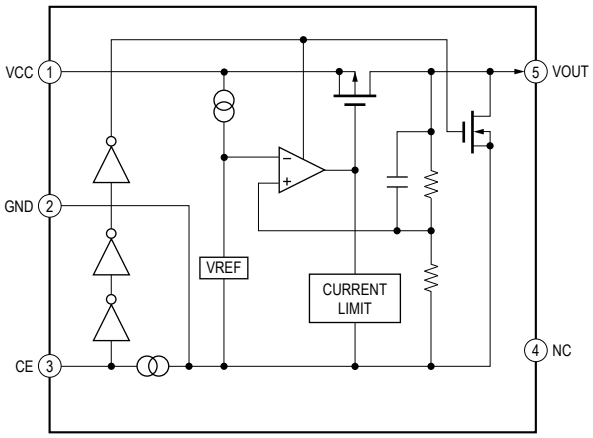


• **IC Block Diagrams**

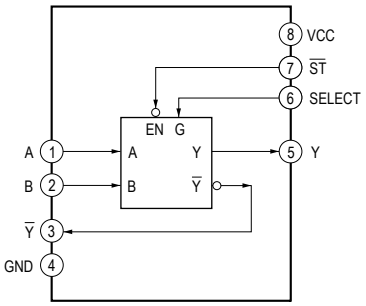
– DSP Board –
IC5003, IC5203 SI-3010LLSL-TL



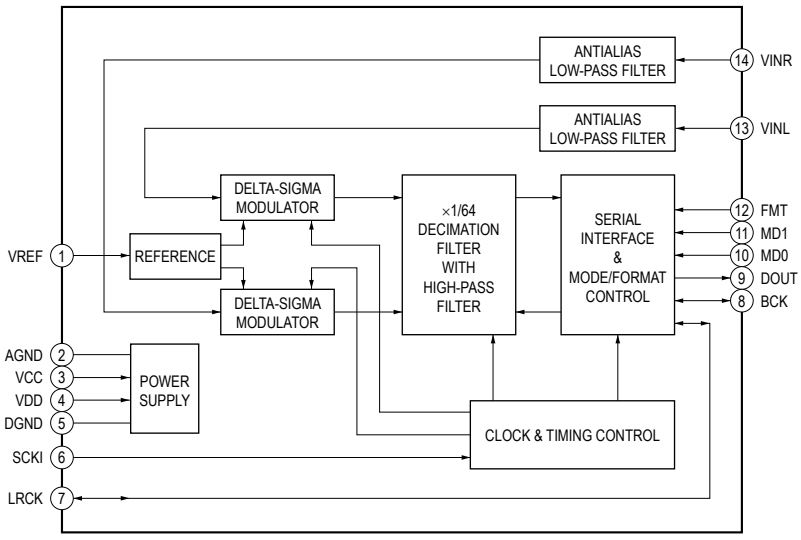
– D-AUDIO Board –
IC2001 RP114N121B-TR-FE



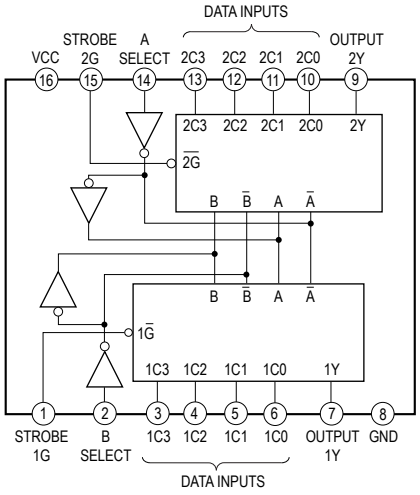
IC2005 TC7WH157FU (TE12R)
IC2237 TC7WH157FK



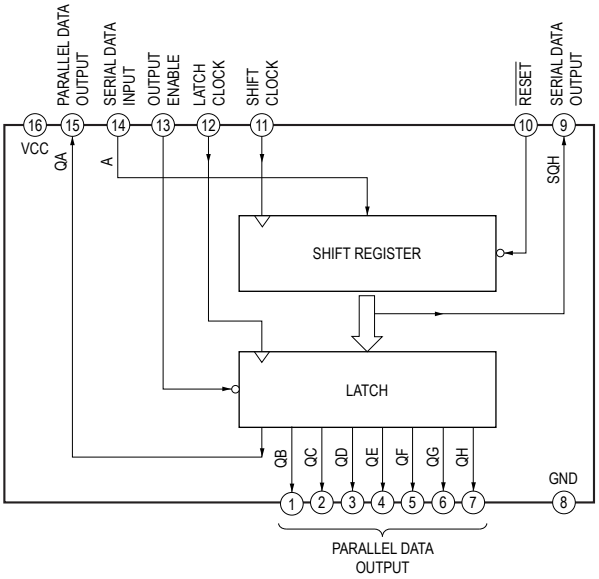
IC2201 PCM1808PWR



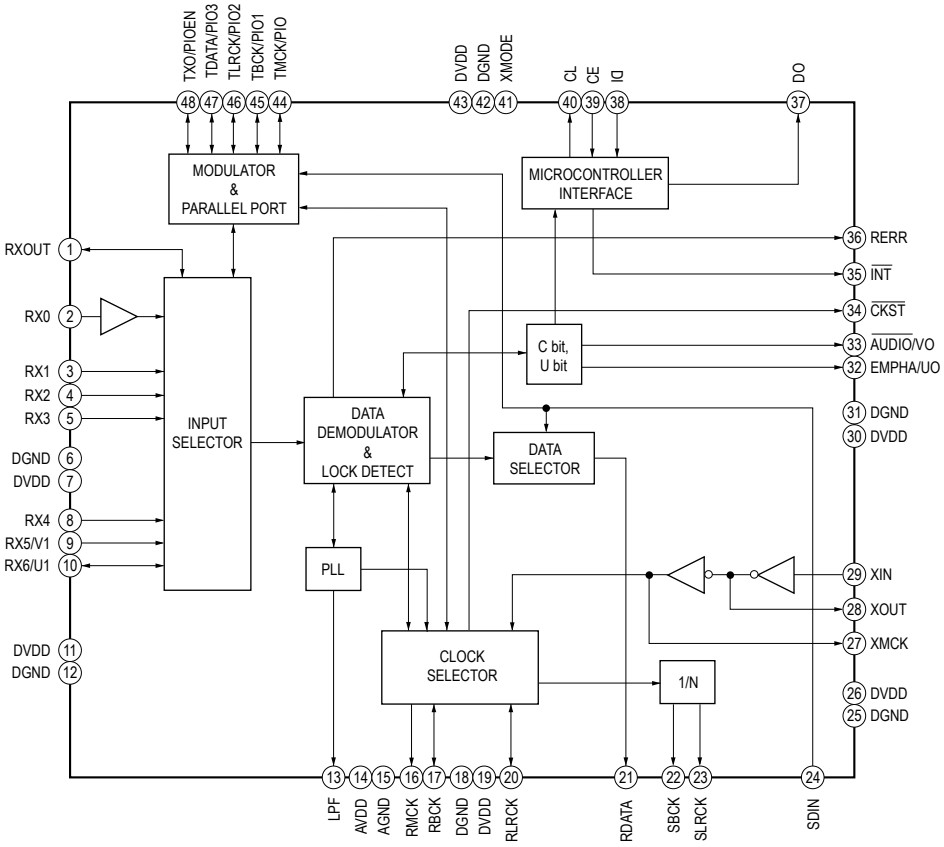
IC2207, 2212, 2214, 2231 TC74VHC153FT (EL)



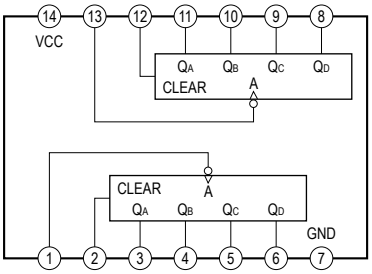
IC2210 TC74VHC595FT (EKJ)



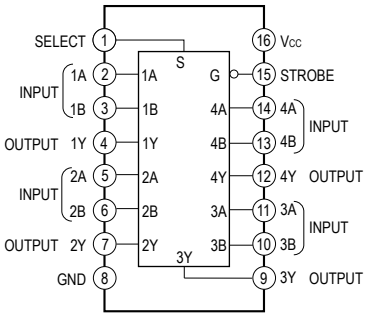
IC2208 LC89057W-VF4A-E



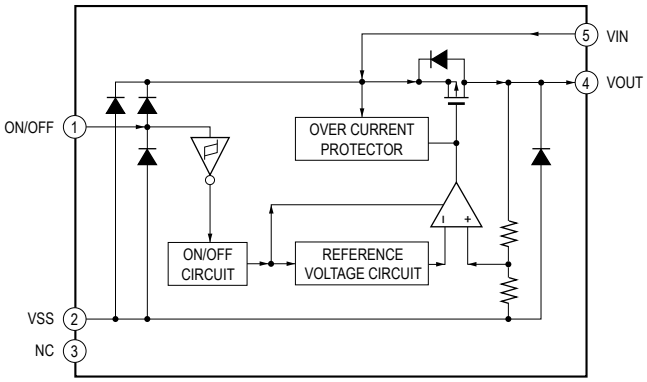
IC2211 TC74VHC393FT (EL)



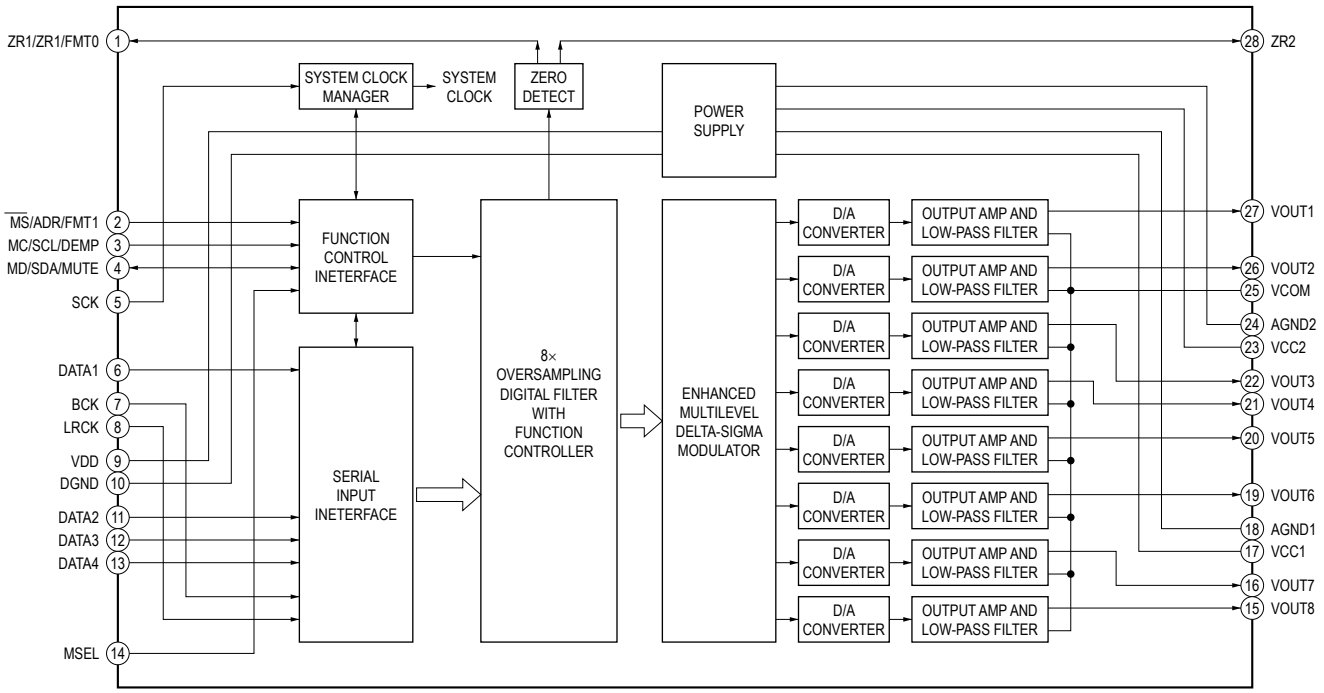
IC2213, 2228 TC74VHC157FT (EKJ)



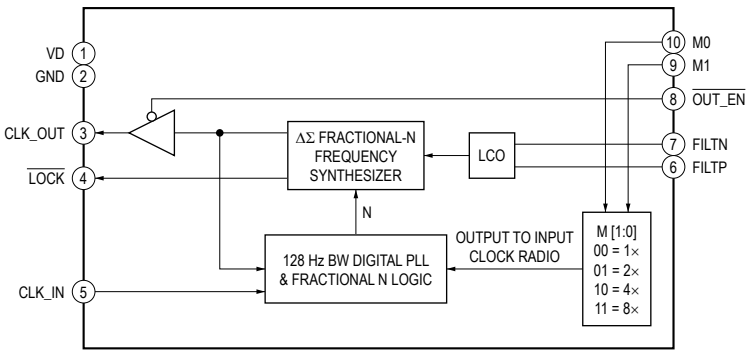
IC2215 S-T111B33MC-OGSTFG



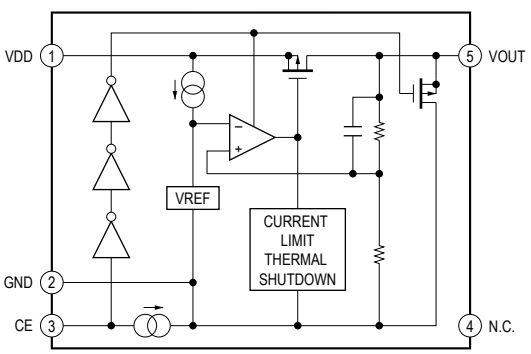
IC2218, 2226 PCM1681PWPR



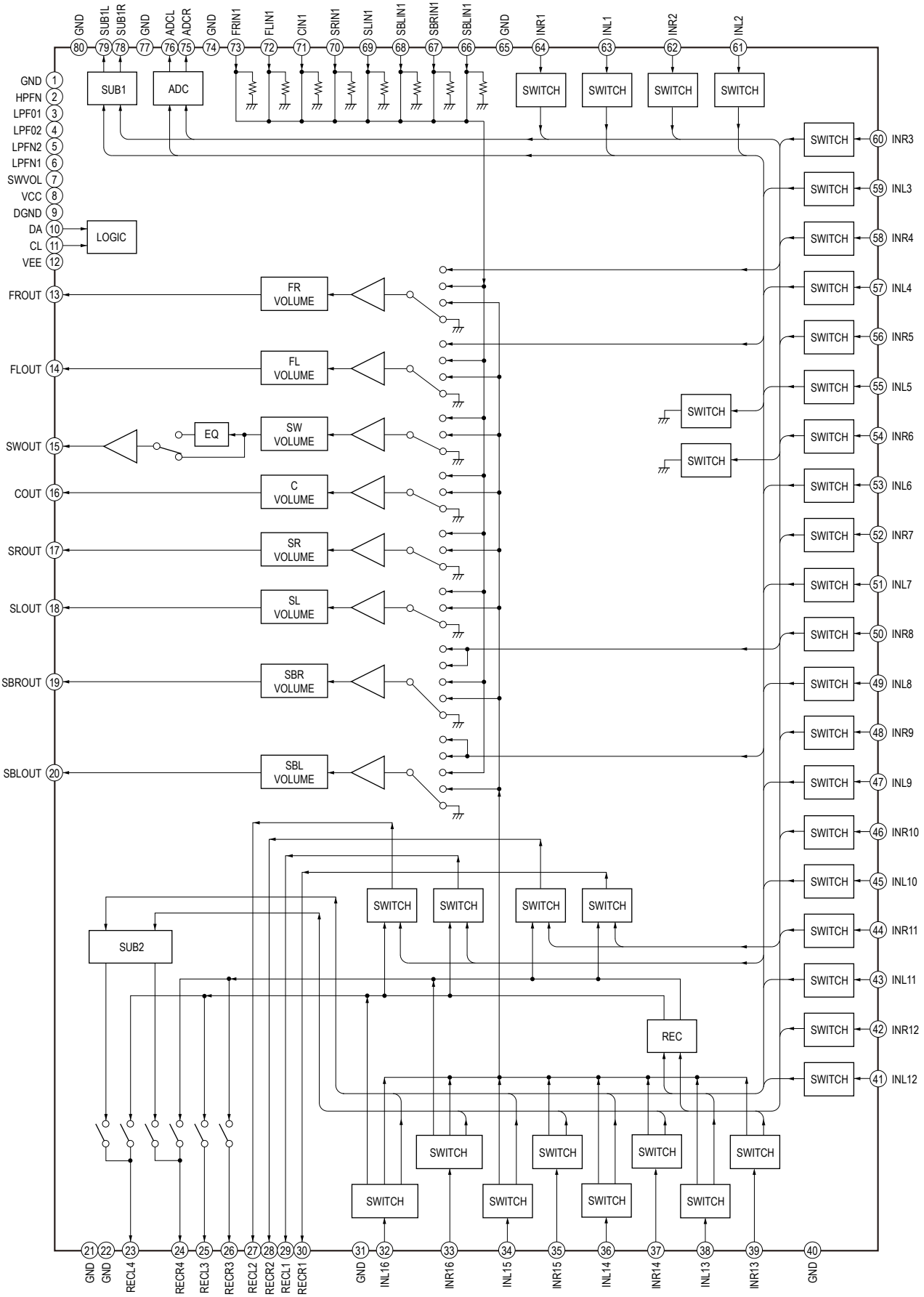
IC2227 CS230002-CZZR



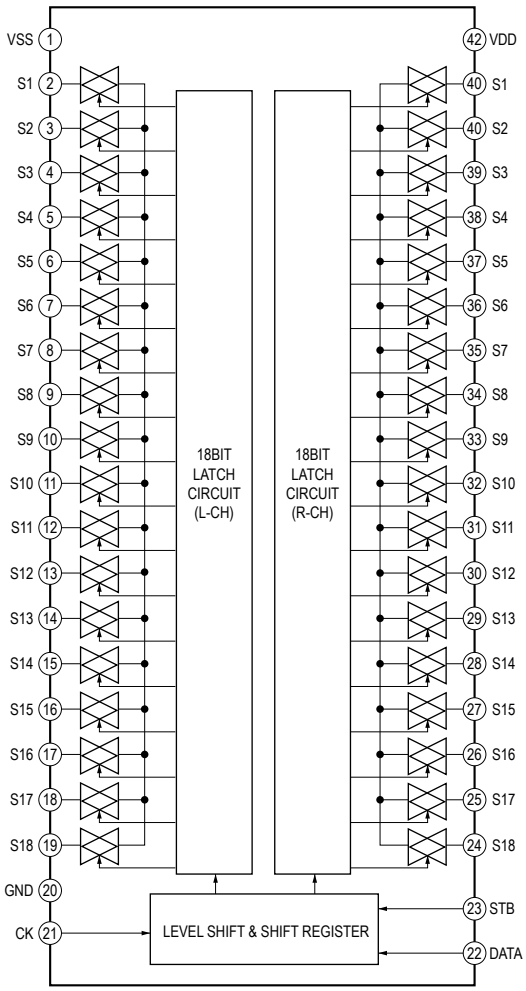
IC2232 RP170N331D-FE



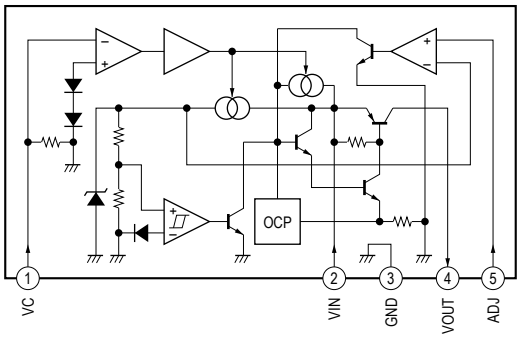
– A AUDIO Board –
IC401 BD3471KS2



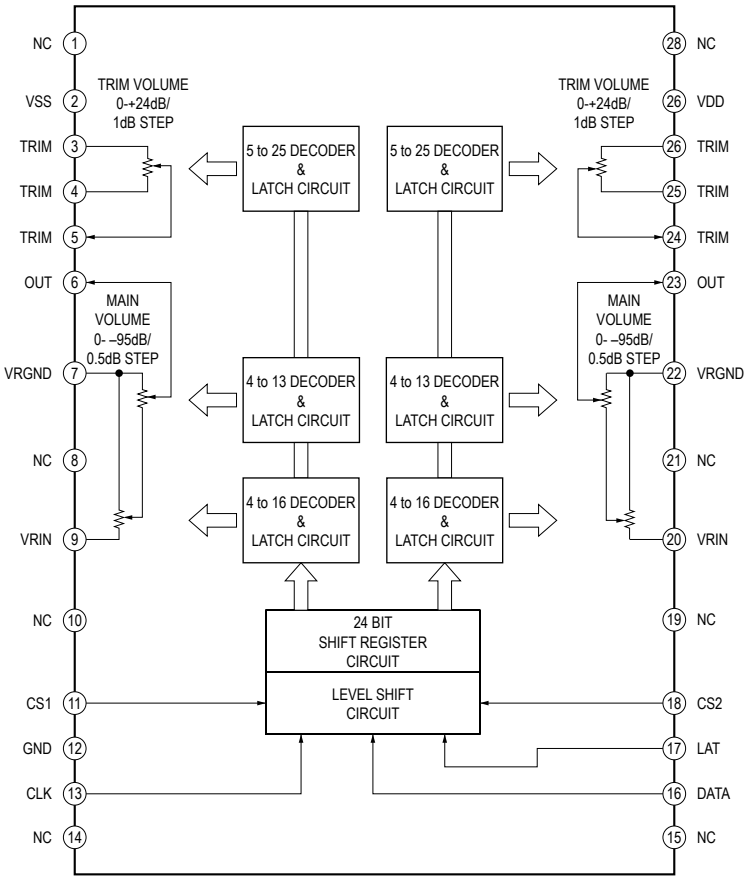
– MAIN Board –
IC2090 TC9274CNG-016



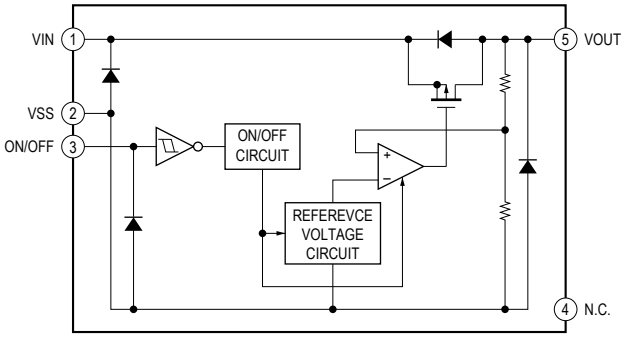
IC2494 SI-3011ZD-TLS



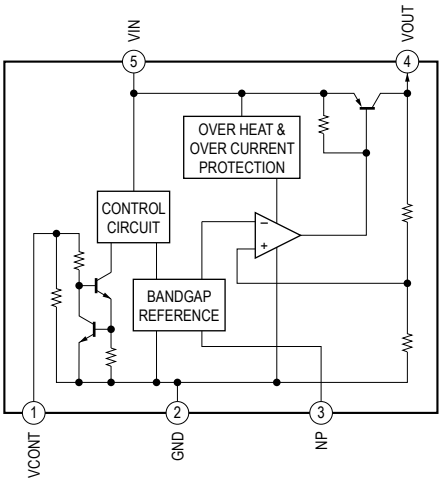
– E-VOL Board –
IC1203, 1213, 1223, 1233 CXD9725M-HFL



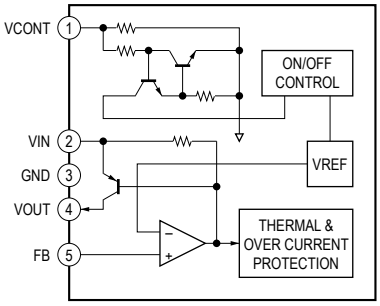
– A-CLASS_AMP Board –
IC1904 S-815A50AMC-I3JTFU



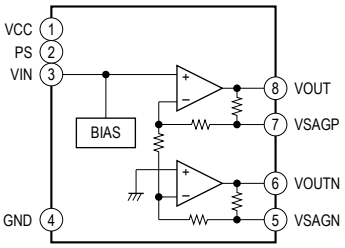
– A-VIDEO Board –
IC6010 TK11150CSCL-G
IC6301 TK11118CSCL-G



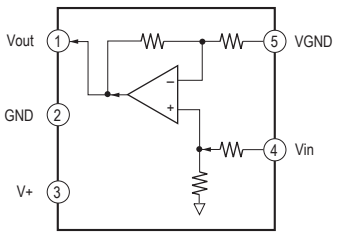
IC6011, 6015 TK73400AU3G0L-C



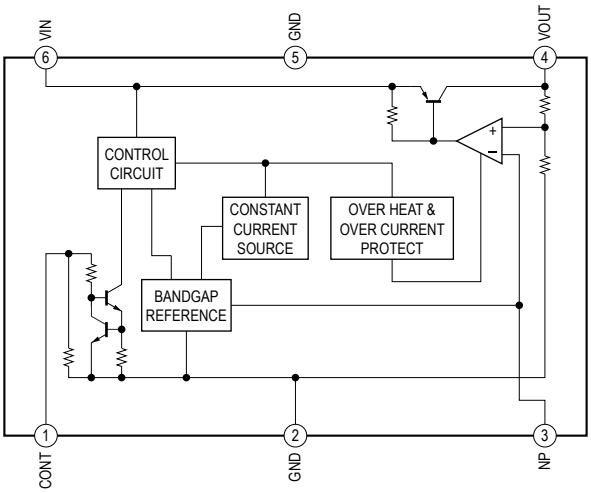
IC6018, 6019, 6020 NJM2504RB1



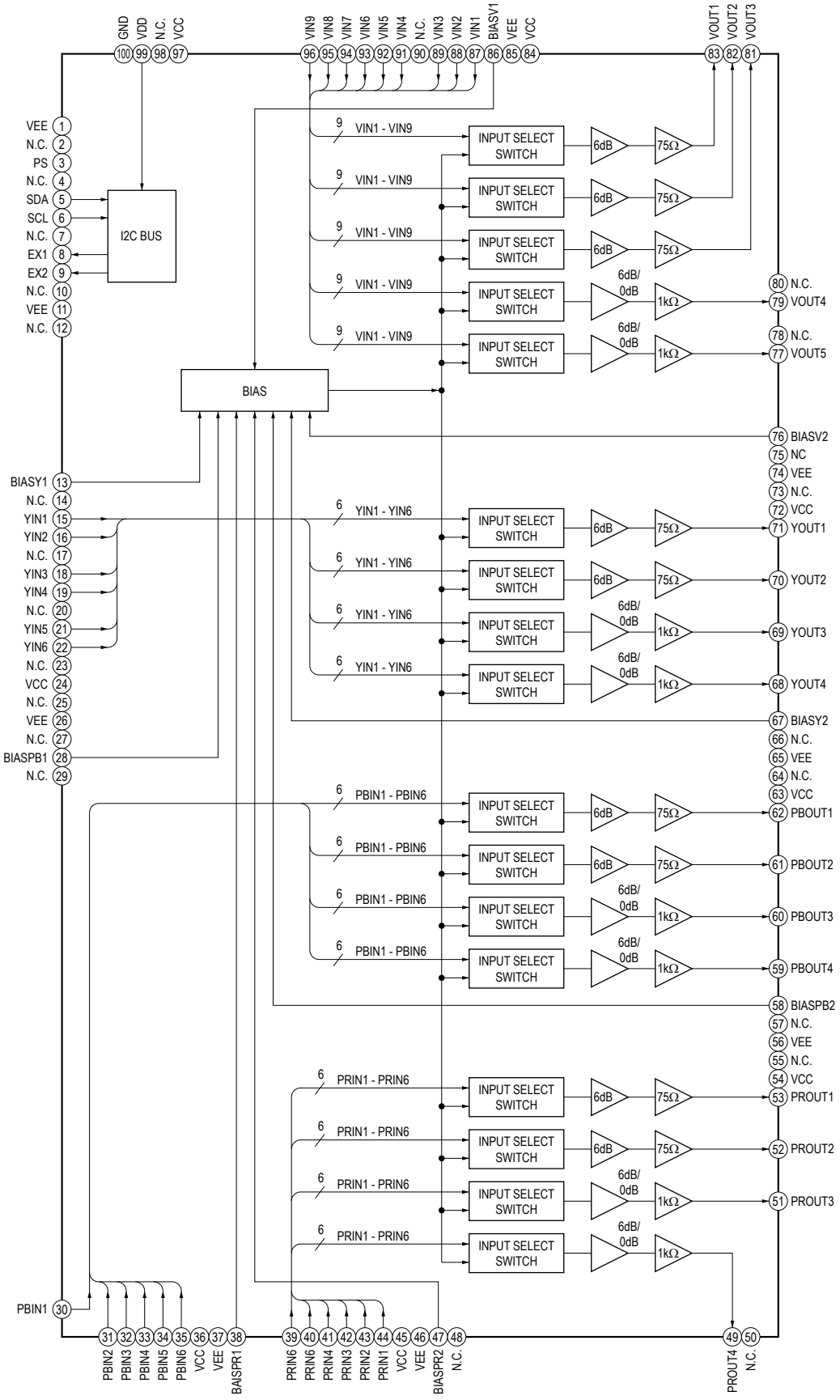
IC6023 NJM2505AF (TE2)



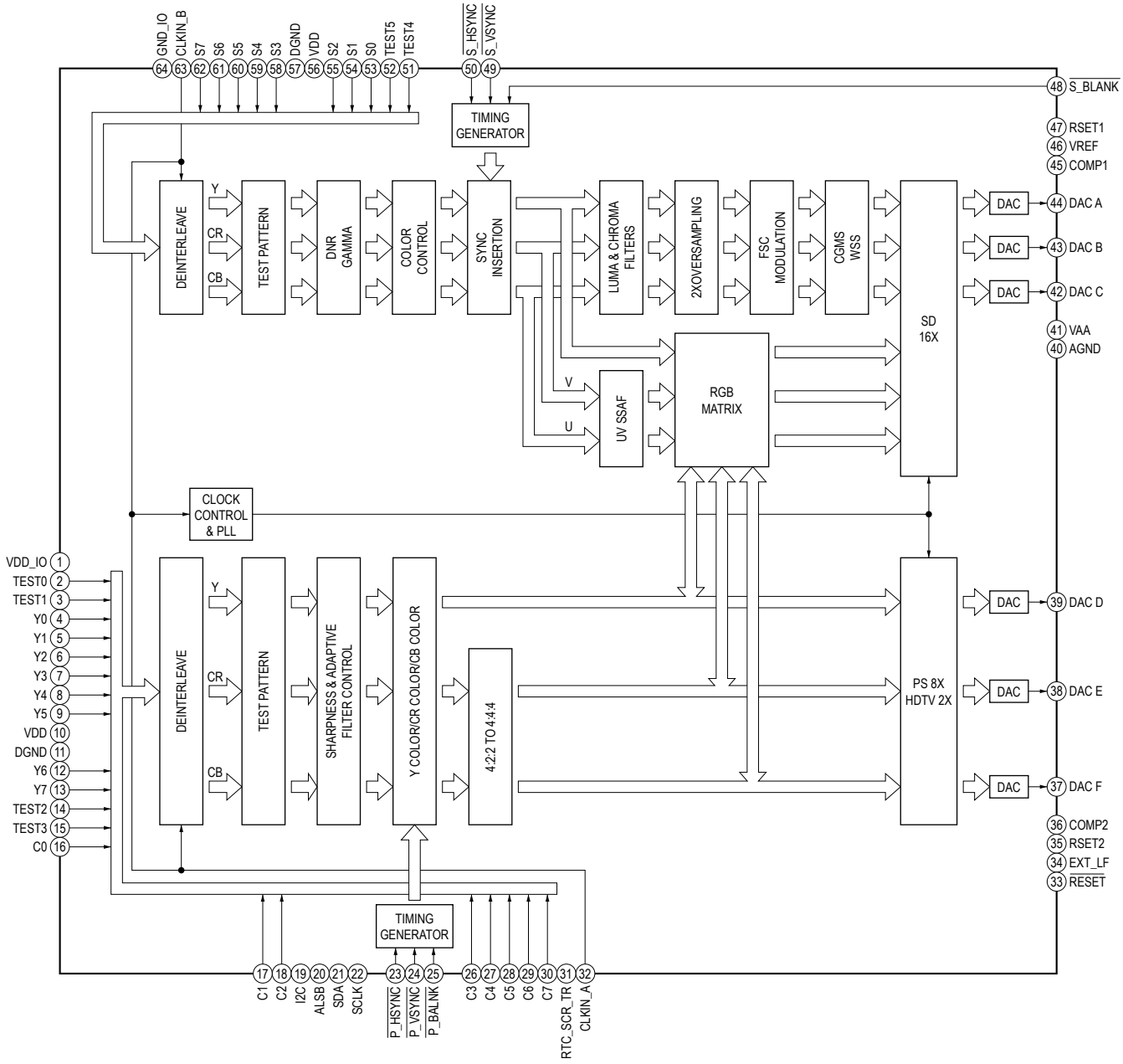
IC6304 TK11233CMCL-G
IC6308 TK11225CMCL-G



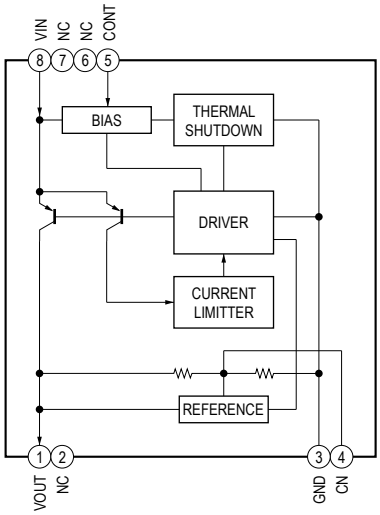
IC6014 NJW1327FU1



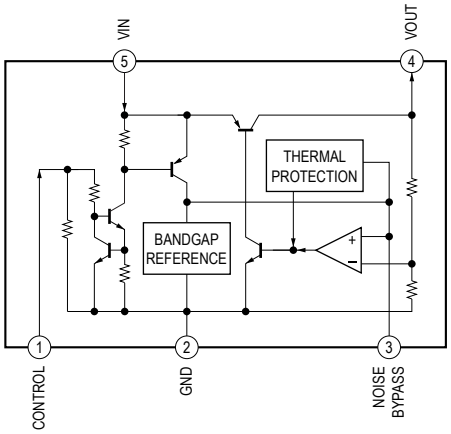
IC6306 ADV7322KSTZ



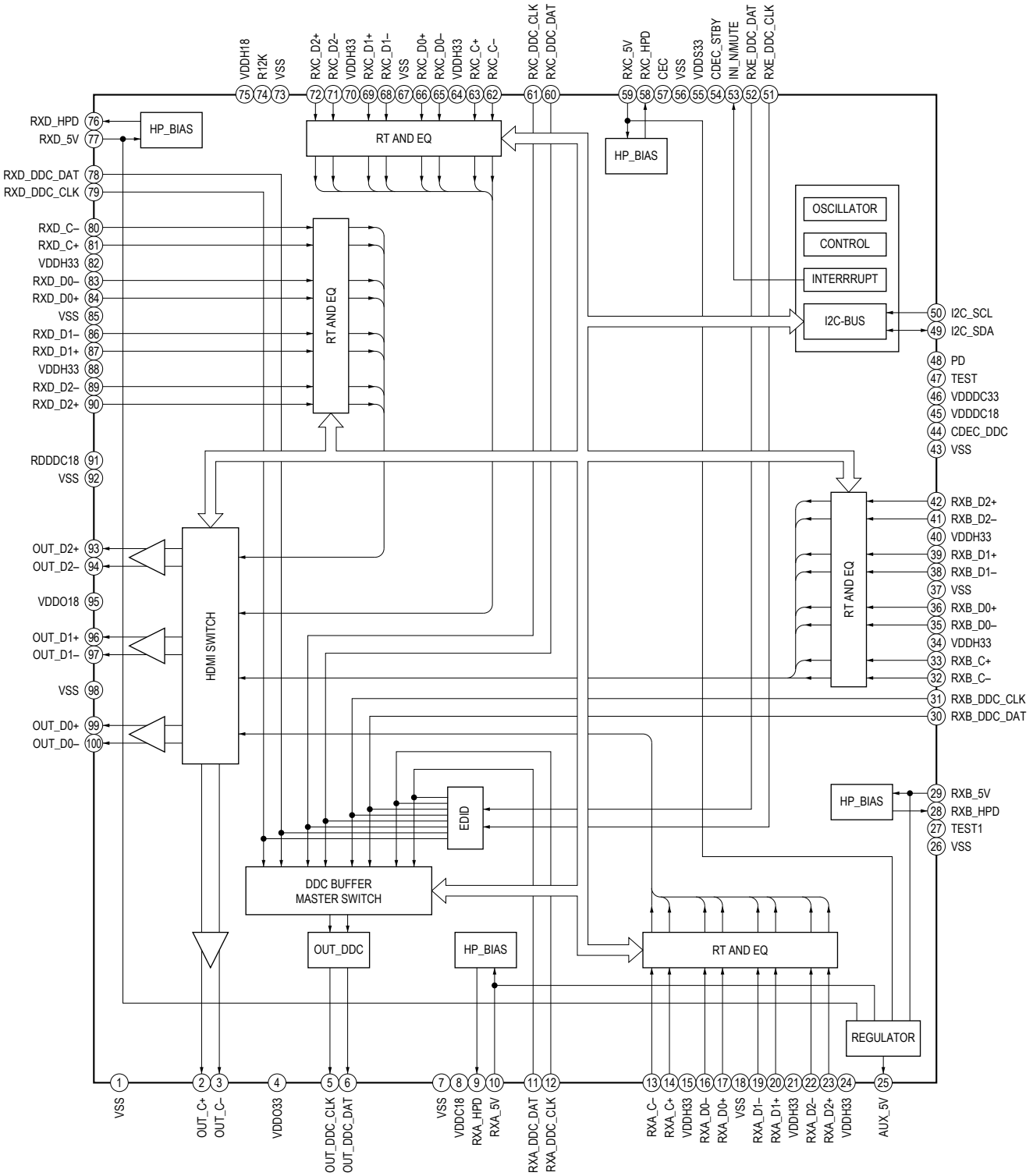
IC6307 MM1661JHBE



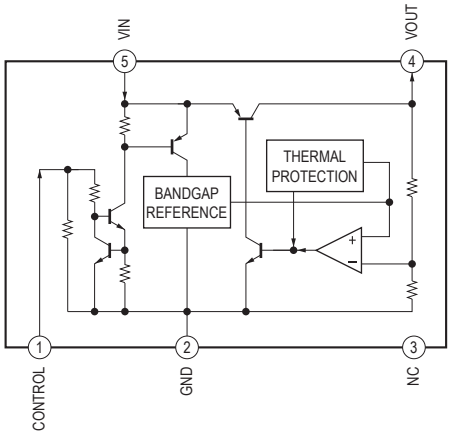
– D-VIDEO Board –
IC3112 NJM2847F3-012 (TE2)



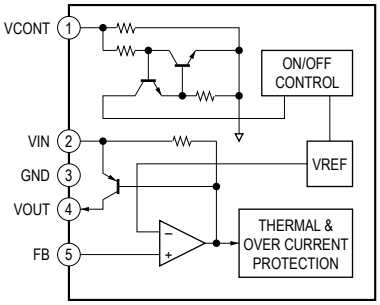
IC3503 TDA19997HL/C1



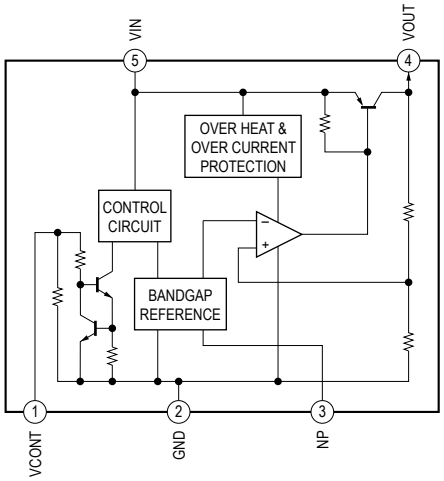
IC3113 NJM2888F33 (TE2)



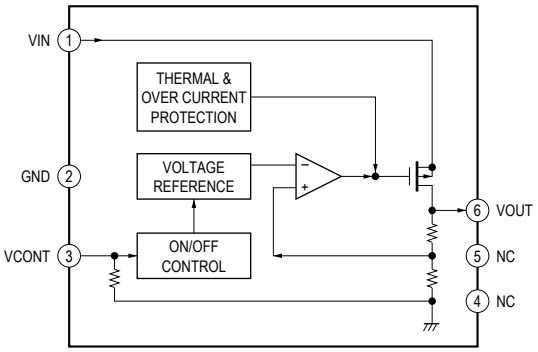
IC3515, 3517, 3612 TK73400AU3G0L-C



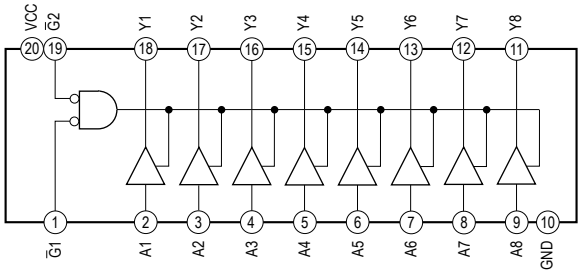
IC3516, 3520, 3521 TK11150CSCL-G
IC3608 TK11118CSCL-G
IC3614, 3616, 3860 TK11133CSCL-G
IC3852 TK11125CSCL-G



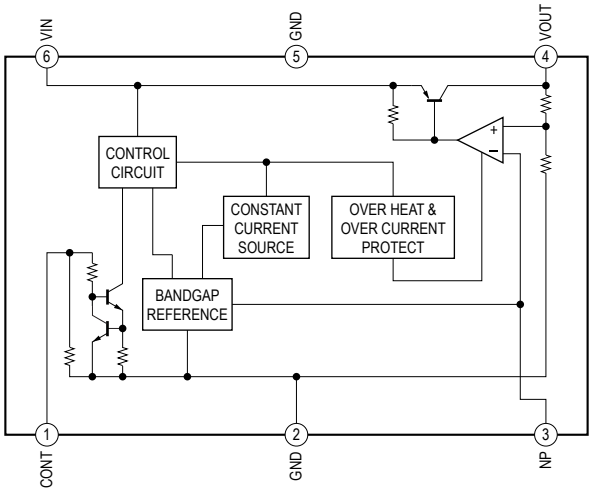
IC3519 TK63812AMHGHL-C



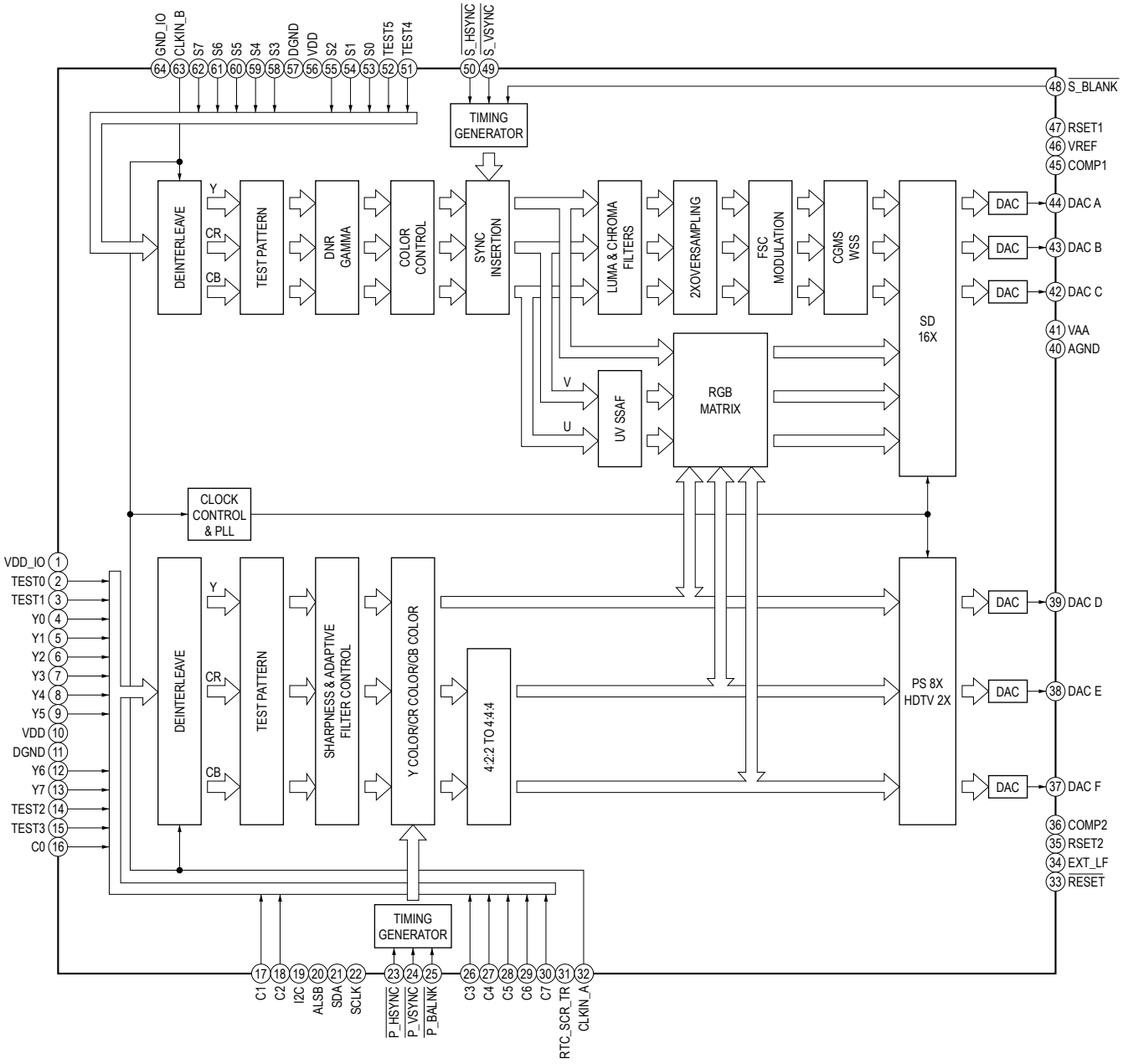
IC3524 TC74VHC541FT (EKJ)



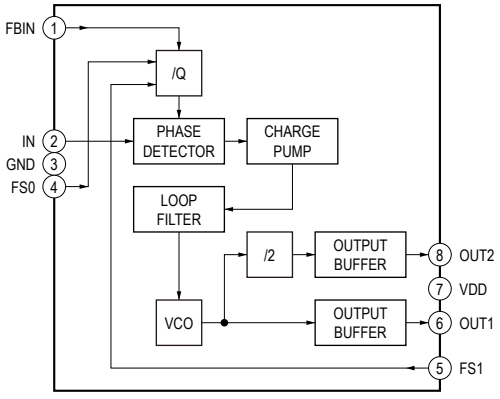
IC3622 TK11233CMCL-G
IC3851 TK11225CMCL-G



IC3850 ADV7322KSTZ

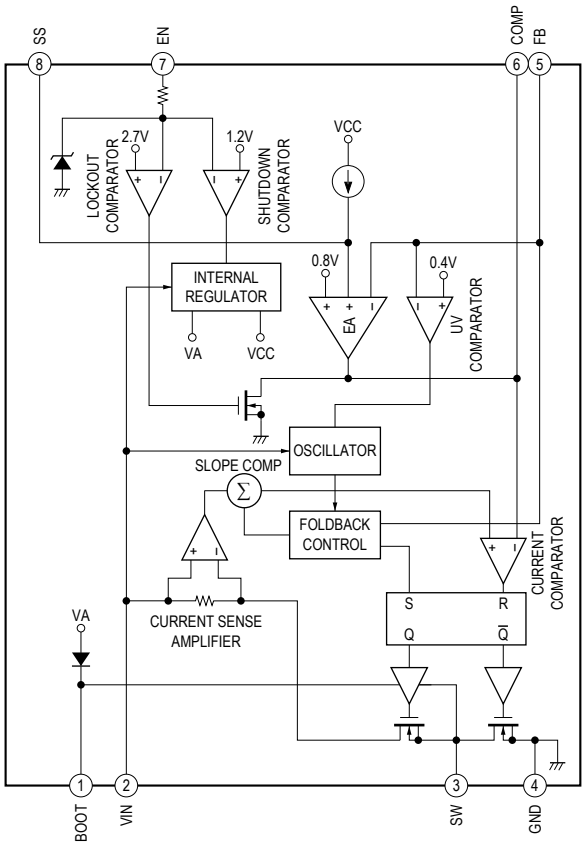


IC3854 CY2302-SXC-1T



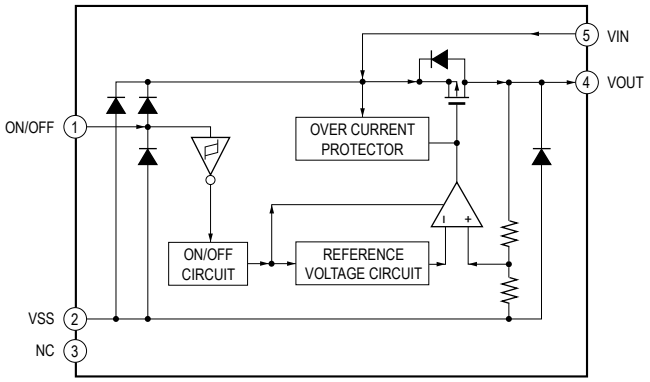
– NETWORK Board –

IC302, 2502 RT8252ALGSP



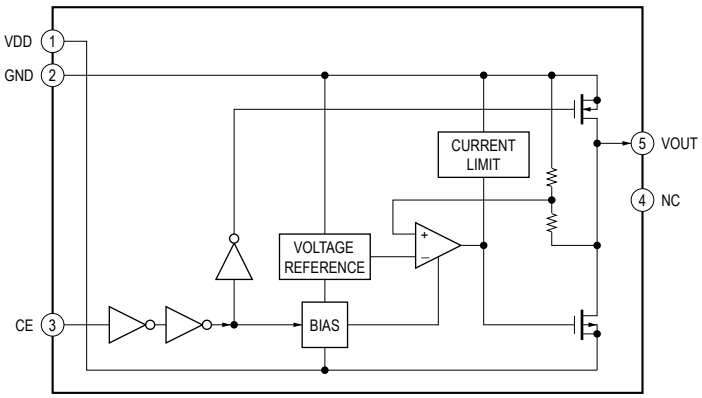
IC305, 309 S-T111B33MC-OGSTFG

IC1099 S-T111B50MC-OHJTFG

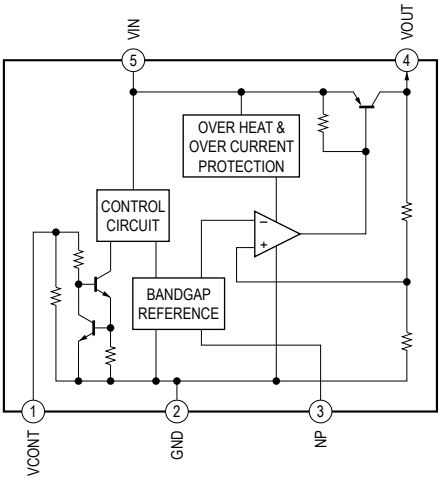


IC304, 702 MM3404Z11NRE

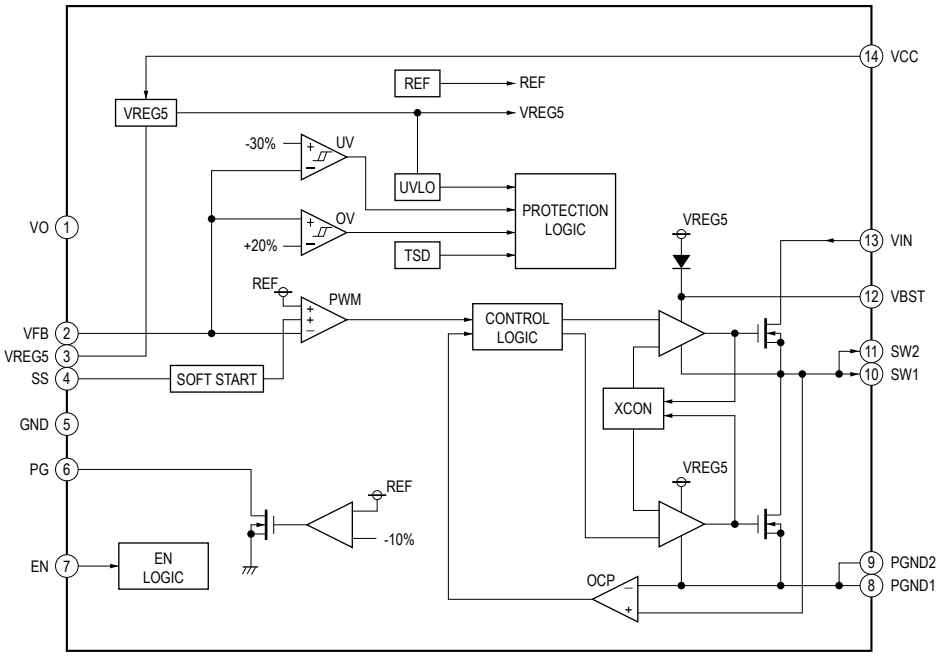
IC2503 MM3404A33NRE



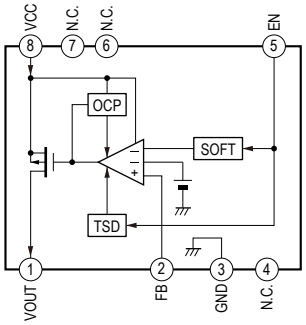
IC306, 312, 701 TK11133CSCL-G



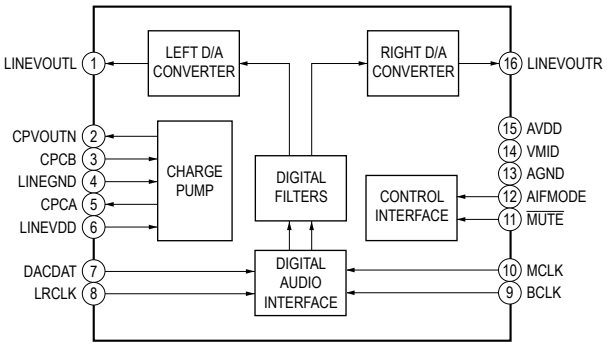
IC307, 308 TPS54325PWPR



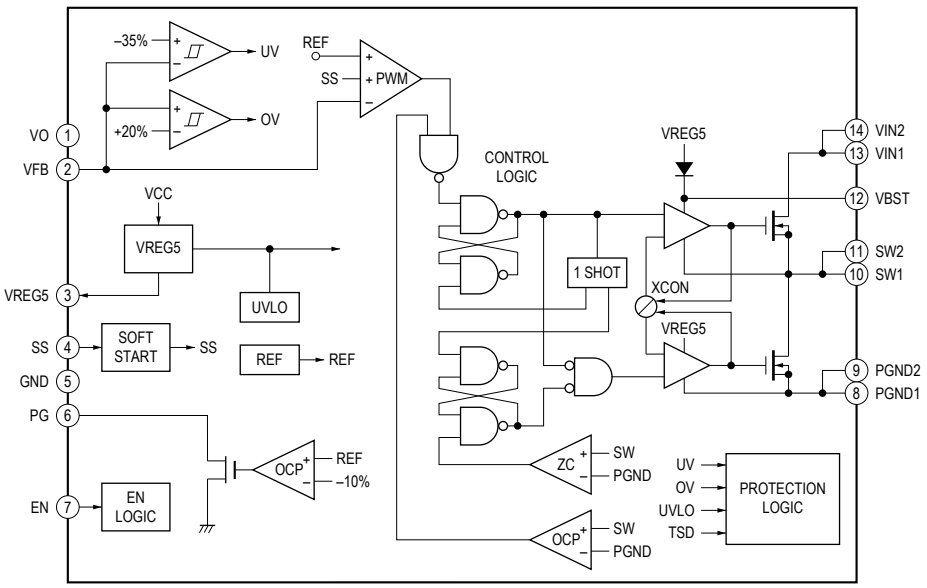
IC601 BD00GC0WEFJ-SE2



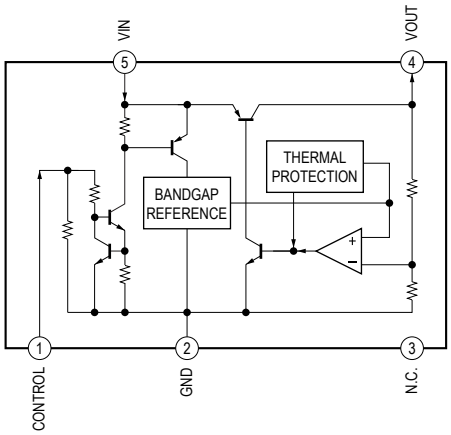
IC901 WM8524GEDT/R



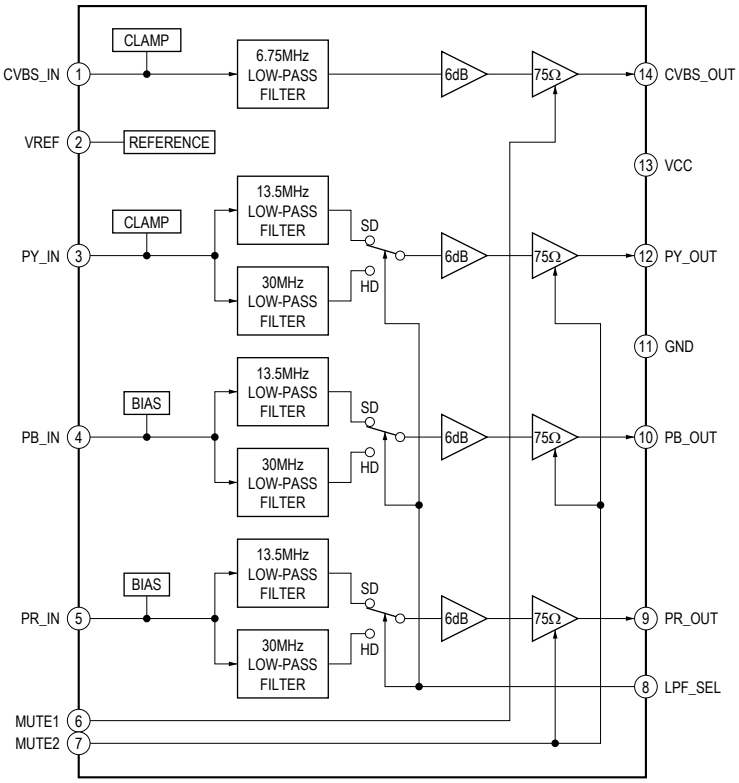
IC605 TPS54425PWPR



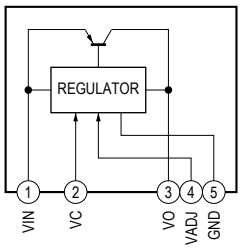
IC908 NJM2878F3-33 (TE2)



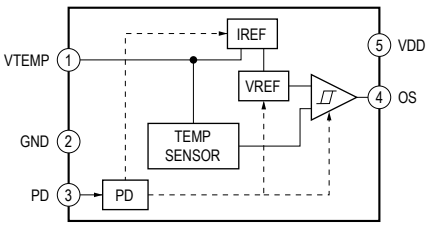
IC1003 BH76071FJ-E2



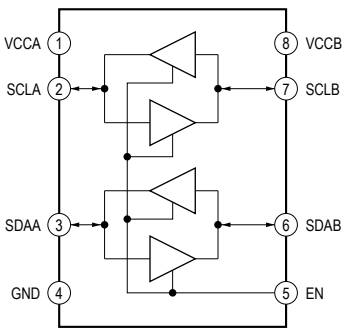
IC1106 PQ200WNA1ZPH



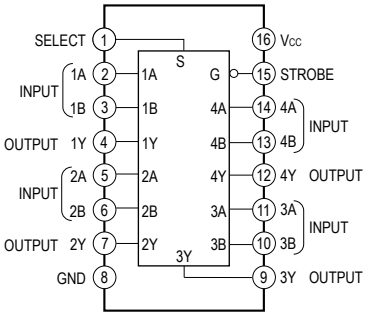
IC1107 BDJ0801HFV-TR
IC1108 BDJ0901HFV-TR



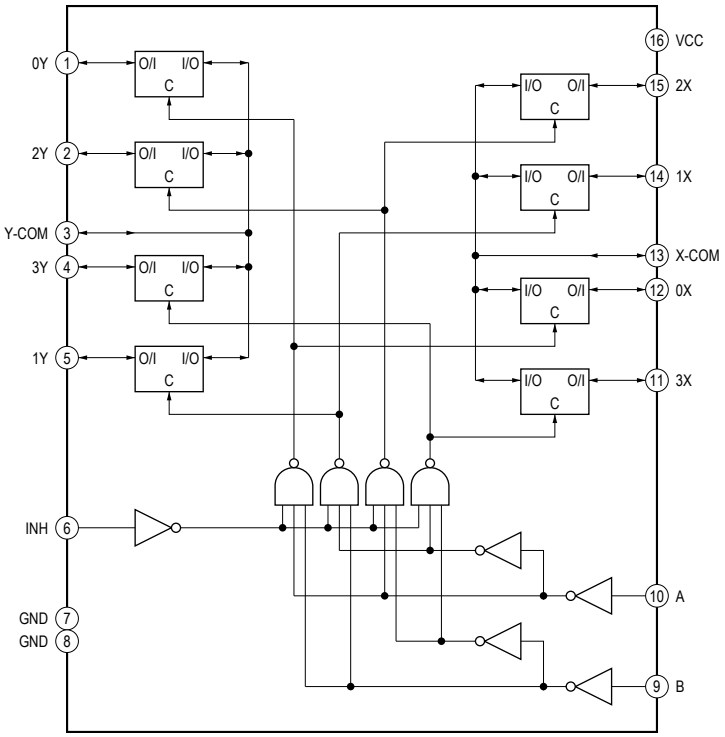
– F-HDMI Board –
IC851 PCA9517DP.118



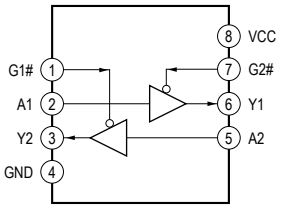
– CONTROL Board –
IC2661 TC74VHC157FT (EKJ)



IC2671 TC74VHC4052AFT (EK)

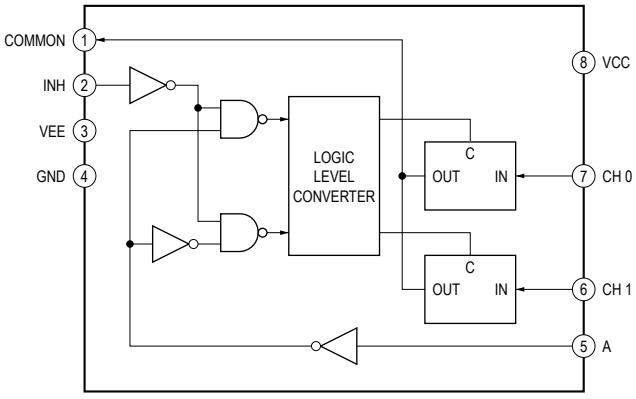


IC2692 TC7WT125FU (TE12R)

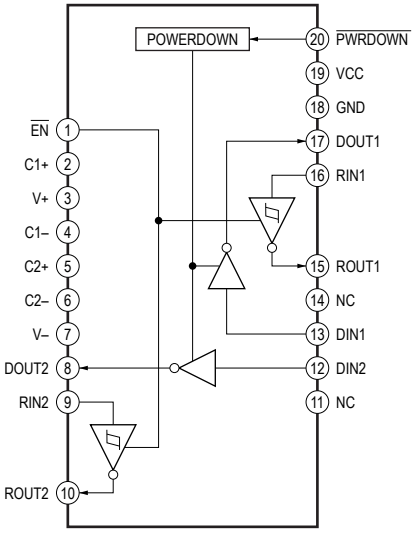


– HAT Board –

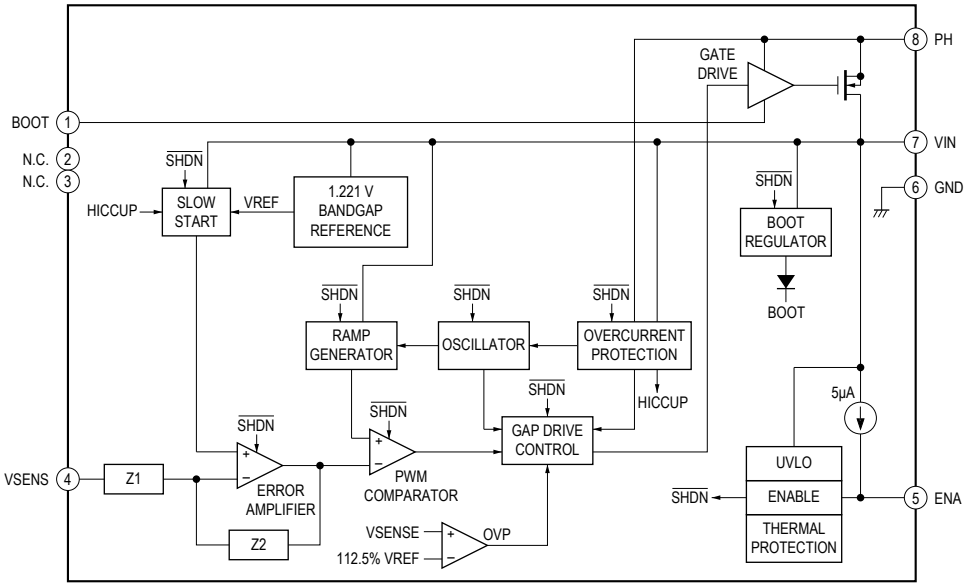
IC802 TC7W53F (TE12R)



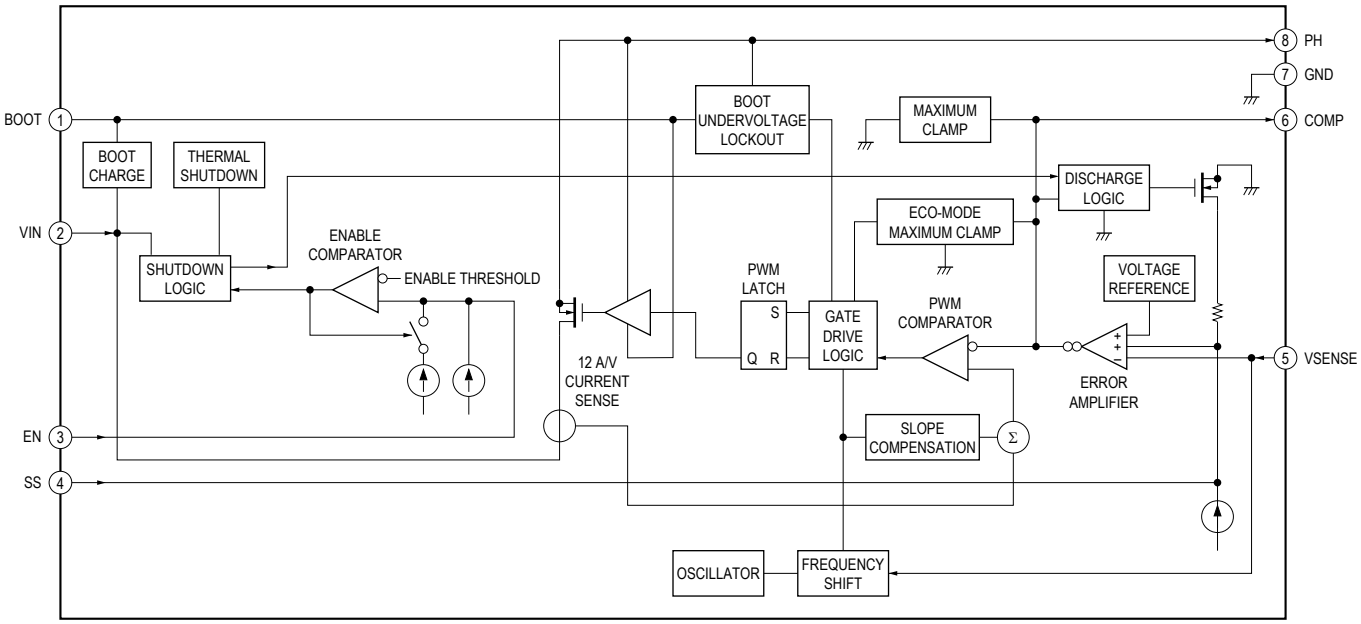
IC861 MAX3222IPWR



– DCDC Board –
IC1401, 1402 TPS5420DRG4

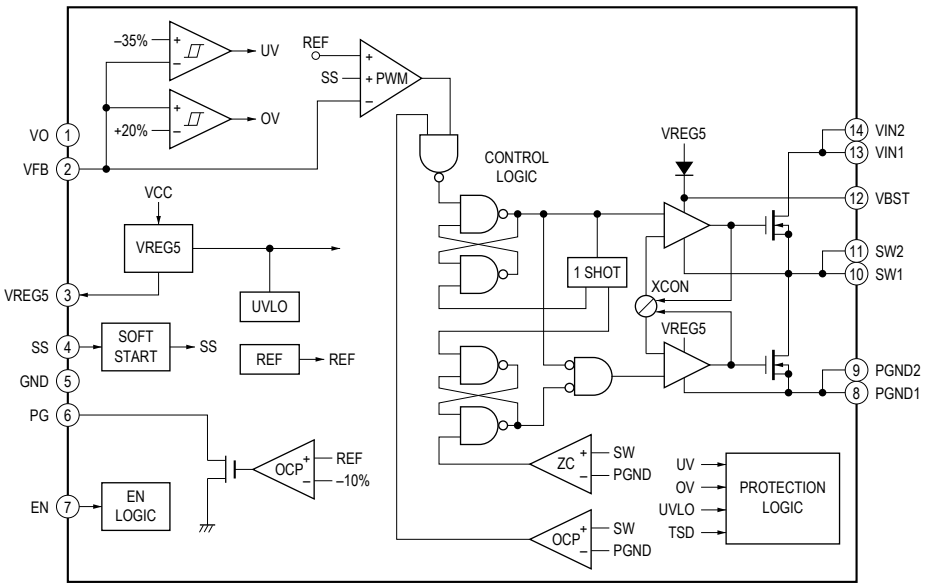


IC1403 - 1406 TPS54331GDR

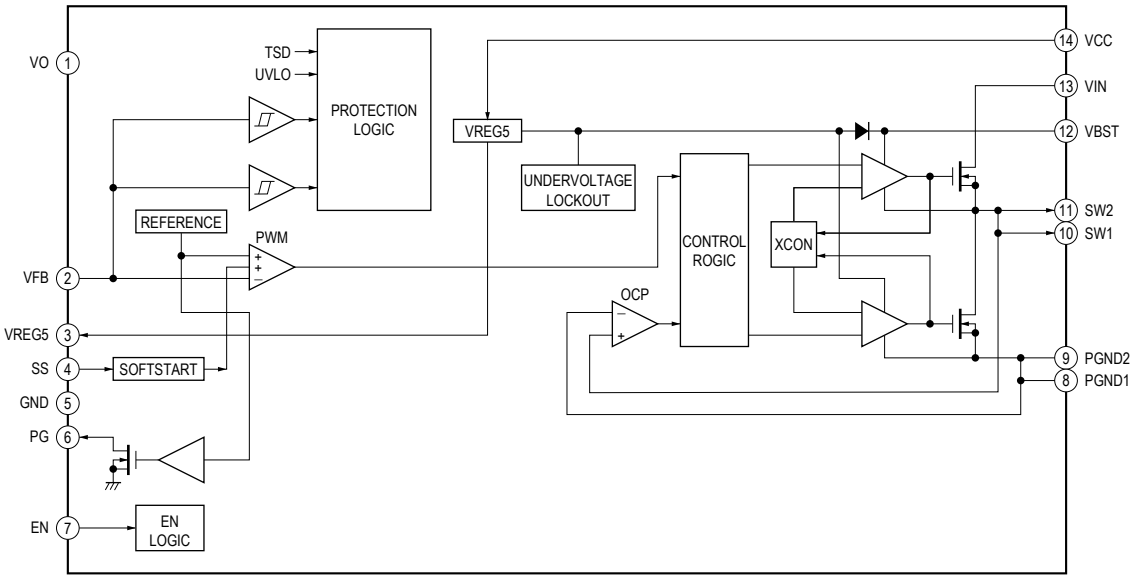


– DCDC2 Board –

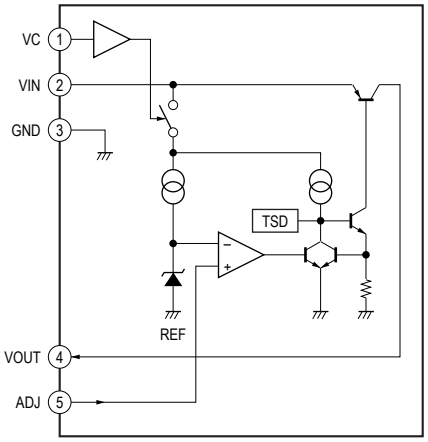
IC3901 TPS54425PWPR



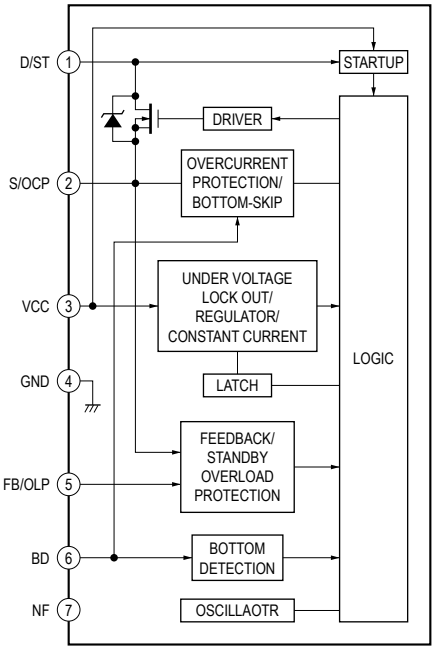
IC3902 TPS54225PWPR



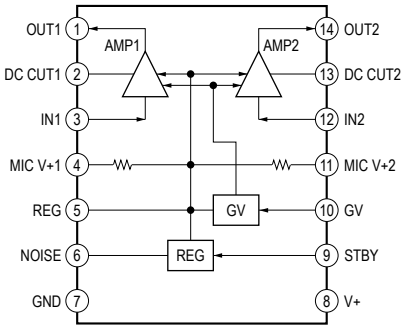
– FLI-REG Board –
IC3617 SI-3010KFEK



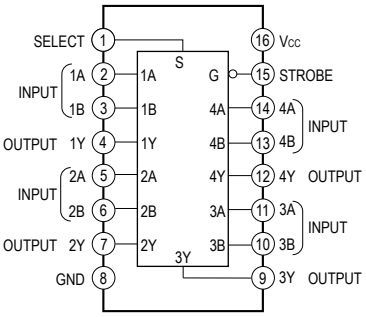
– ACDC Board –
IC921 STR-Y6763



– DISPLAY Board –
IC703 NJM2173AV (TE2)



IC757 TC74VHC157FT (EKJ)



• **IC Pin Function Description**

D-AUDIO BOARD IC2003 EP2C5T144C8N (FIELD PROGRAMMABLE GATE ARRAY)

Pin No.	Pin Name	I/O	Description
1	∗ASDO	O	Serial data output to the flash memory
2	∗nCSO	O	Chip select signal output to the flash memory
3	MUTEOUT	O	Muting control signal output terminal
4	AMCKOUT	O	Audio master clock signal output to the D/A converter (for audio section)
5	VCCIO1	-	Power supply terminal (+3.3V)
6	GND	-	Ground terminal
7	LRCKOUT	O	L/R sampling clock signal output to the D/A converter (for audio section)
8	-	-	Not used
9	BCKOUT	O	Bit clock signal output to the D/A converter (for audio section)
10	∗TDO	O	Test data output terminal (for JTAG) Not used
11	∗TMS	I	Test mode selection signal input terminal (for JTAG) Not used
12	∗TCK	I	Test clock signal input terminal (for JTAG) Not used
13	∗TDI	I	Test data input terminal (for JTAG) Not used
14	∗DATA0	I	Serial data input from the flash memory
15	∗DCLK	O	Serial data transfer clock signal output to the flash memory
16	∗nCE	I	Chip enable signal input terminal Not used
17	MCLKIN	I	Master clock signal input from the frequency multiplier
18	BCKIN	I	Bit clock signal input from the DSP2
19	GND	-	Ground terminal
20	∗nCONFIG	I	Configuration control signal input terminal Not used
21	XRESET	I	Reset signal input from the main system controller “L”: reset
22	AMCKIN	I	Audio master clock signal input terminal
23	VCCIO1	-	Power supply terminal (+3.3V)
24, 25	SD0OUT, SD1OUT	O	Digital audio signal output to the D/A converter (for audio section)
26	-	-	Not used
27, 28	SD2OUT, SD3OUT	O	Digital audio signal output to the D/A converter (for audio section)
29	VCCIO1	-	Power supply terminal (+3.3V)
30	-	-	Not used
31	LRCKIN	I	L/R sampling clock signal input from the DSP2
32	-	-	Not used
33	GND	-	Ground terminal
34	GND_PLL1	-	Ground terminal (for PLL)
35	VCCD_PLL1	-	Power supply terminal (+1.2V) (digital system) (for PLL)
36	GND_PLL1	-	Ground terminal (for PLL)
37	VCCA_PLL1	-	Power supply terminal (+1.2V) (analog system) (for PLL)
38	GNDA_PLL1	-	Ground terminal (analog system) (for PLL)
39	GND	-	Ground terminal
40	SD0IN	I	Digital audio signal input from the DSP2
41	-	-	Not used
42, 43	SD1IN, SD2IN	I	Digital audio signal input from the DSP2
44	-	-	Not used
45	SD3IN	I	Digital audio signal input from the DSP2
46	VCCIO4	-	Power supply terminal (+3.3V)
47	I2CADRS0	-	Not used
48	I2CADRD1	-	Not used
49	GND	-	Ground terminal
50	VCCINT	-	Power supply terminal (+1.2V)
51	SDRAM	-	Not used
52, 53	-	-	Not used
54	VCCIO4	-	Power supply terminal (+3.3V)
55	ERR	-	Not used
56	GND	-	Ground terminal
57	MIDDLE	O	Middle detection signal output to the main system controller “H”: middle

Pin No.	Pin Name	I/O	Description
58	EMPTY	O	Not used
59	FULL	O	Not used
60	-	-	Not used
61	GND	-	Ground terminal
62	VCCINT	-	Power supply terminal (+1.2V)
63	-	-	Not used
64	MODE	I	Not used
65	MUTE	I	Muting on/off control signal input from the main system controller "H": muting on
66	VCCIO4	-	Power supply terminal (+3.3V)
67	OUTPUTEN	I	Not used
68	GND	-	Ground terminal
69	MEMCLR	I	Not used
70	TXSTART	I	Not used
71	RXSTART	I	Not used
72	SDA	I/O	Two-way I2C serial data bus with the D/A converter (for audio section) and main system controller
73	BA1	O	Bank address signal output terminal Not used
74	BA0	O	Bank address signal output to the SD-RAM
75	INIT_DONE	-	Not used
76	XCS	O	Chip select signal output to the SD-RAM
77	VCCIO3	-	Power supply terminal (+3.3V)
78	GND	-	Ground terminal
79	XRAS	O	Row address signal output to the SD-RAM
80	XCAS	O	Column address signal output to the SD-RAM
81	XWE	O	Write enable signal output to the SD-RAM
82	∗nSTATUS	-	Configuration status terminal Not used
83	∗CONF_DONE	O	Configuration status output terminal Not used
84, 85	∗MSEL1, ∗MSEL0	I	Mode setting terminal
86	LDQM	O	Data mask signal output to the SD-RAM (lower byte)
87	-	-	Not used
88	SCL	I	I2C serial data transfer clock signal input from the main system controller
89	-	-	Not used
90	SYSCLK	I	System clock (22.5792 MHz) signal input terminal
91	-	-	Not used
92 to 94	A0 to A2	O	Address signal output to the SD-RAM
95	VCCIO3	-	Power supply terminal (+3.3V)
96, 97	A3, A4	O	Address signal output to the SD-RAM
98	GND	-	Ground terminal
99 to 101	A5 to A7	O	Address signal output to the SD-RAM
102	VCCIO3	-	Power supply terminal (+3.3V)
103, 104	A8, A9	O	Address signal output to the SD-RAM
105	GND	-	Ground terminal
106	GND_PLL2	-	Ground terminal (for PLL)
107	VCCD_PLL2	-	Power supply terminal (+1.2V) (digital system) (for PLL)
108	GND_PLL2	-	Ground terminal (for PLL)
109	VCCA_PLL2	-	Power supply terminal (+1.2V) (analog system) (for PLL)
110	GNDA_PLL2	-	Ground terminal (analog system) (for PLL)
111	GND	-	Ground terminal
112	A10	O	Address signal output to the SD-RAM
113	A11	O	Address signal output terminal Not used
114, 115	D0, D1	I/O	Two-way data bus with the SD-RAM
116	VCCIO2	-	Power supply terminal (+3.3V)
117	GND	-	Ground terminal
118, 119	D2, D3	I/O	Two-way data bus with the SD-RAM
120	-	-	Not used
121, 122	D4, D5	I/O	Two-way data bus with the SD-RAM

Pin No.	Pin Name	I/O	Description
123	GND	-	Ground terminal
124	VCCINT	-	Power supply terminal (+1.2V)
125, 126	D6, D7	I/O	Two-way data bus with the SD-RAM
127	VCCIO2	-	Power supply terminal (+3.3V)
128	GND	-	Ground terminal
129	D8	I/O	Two-way data bus with the SD-RAM
130	GND	-	Ground terminal
131	VCCINT	-	Power supply terminal (+1.2V)
132 to 134	D9 to D11	I/O	Two-way data bus with the SD-RAM
135	-	-	Not used
136, 137	D12, D13	I/O	Two-way data bus with the SD-RAM
138	VCCIO2	-	Power supply terminal (+3.3V)
139	D14	I/O	Two-way data bus with the SD-RAM
140	GND	-	Ground terminal
141	D15	I/O	Two-way data bus with the SD-RAM
142	UNQM	O	Data mask signal output to the SD-RAM (upper byte)
143	CLK	O	Clock signal output to the SD-RAM
144	CKE	O	Clock enable signal output to the SD-RAM

D-AUDIO BOARD IC2238 TE7021L (USB AUDIO STREAMING CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	DLRCLK0	O	L/R sampling clock signal output terminal (for digital system)
2	DSDO0	O	Audio signal output terminal (for digital system)
3	DMCLK0	O	Master clock signal output terminal (for digital system) Not used
4	VDD33	-	Power supply terminal (+3.3V)
5	VSS	-	Ground terminal
6	DSCLK0	O	Bit clock signal output terminal (for digital system)
7	ALRCLK0	I	L/R sampling clock signal input terminal (for analog system) Not used
8	ASDI0	I	Audio signal input terminal (for analog system) Not used
9	VDD18	-	Power supply terminal (+1.8V)
10	TEST	-	Test terminal
11	AMCLK0	I	Master clock signal input terminal (for analog system) Not used
12	ASCLK0	I	Bit clock signal input terminal (for analog system) Not used
13	NC	-	Not used
14	SCL0	O	Serial data transfer clock signal output to the EEPROM
15	SDA0	I/O	Two-way serial data bus with to the EEPROM
16	RESETN	I	Reset signal input terminal Not used
17	BOOTSEL	I	Boot selection signal input terminal Fixed at “L” in this unit
18	NC	-	Not used
19	VDD18	-	Power supply terminal (+1.8V)
20	NC	-	Not used
21	GPIO5	I/O	Not used
22	MS_SEL	I	Mode selection signal input terminal Fixed at “L” in this unit
23	VDD33	-	Power supply terminal (+3.3V)
24	VDD18OUT	O	+1.8V power supply output terminal
25	VSS	-	Ground terminal
26	TEST	-	Test terminal
27	NC	-	Not used
28	GPIO5	I/O	Not used
29	NC	-	Not used
30, 31	GPIO3, GPIO1	I/O	Not used
32	VSS	-	Ground terminal
33	NC	-	Not used
34	USB_DP	I/O	Two-way USB serial data (–) bus terminal
35	USB_DM	I/O	Two-way USB serial data (+) bus terminal
36	VDD33	-	Power supply terminal (+3.3V)
37	XI	I	System clock input terminal (12 MHz)
38	XO	O	System clock output terminal (12 MHz)
39	VSS	-	Ground terminal
40	VDD18	-	Power supply terminal (+1.8V)
41 to 43	GPIO0, GPIO2, GPIO4	I/O	Not used
44	SUSPEND	O	Suspend signal output terminal Not used
45	VDD33	-	Power supply terminal (+3.3V)
46	VSS	-	Ground terminal
47, 48	NC	-	Not used

DSP BOARD IC5001 ADSST-AVR-3022 (DSP1)

Pin No.	Pin Name	I/O	Description
1	SDDQM	O	Data mask signal output to the SD-RAM
2	$\overline{MS0}$	O	Memory select signal output to the SD-RAM
3	SDCKE	O	Clock enable signal output to the SD-RAM
4	VDD_INT	-	Power supply terminal (+1.2V) (for core)
5	CLK_CFG1	I	Clock frequency setting terminal Fixed at "L" in this unit
6	ADDR0	O	Address signal output to the SD-RAM
7	BOOT_CFG0	I	Boot mode selection signal input terminal Fixed at "H" in this unit
8	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
9 to 13	ADDR1 to ADDR5	O	Address signal output to the SD-RAM
14	BOOT_CFG1	I	Serial data input from the main system controller
15	GND	-	Ground terminal
16, 17	ADDR6, ADDR7	O	Address signal output to the SD-RAM
18, 19	NC	-	Not used
20, 21	ADDR8, ADDR9	O	Address signal output to the SD-RAM
22	CLK_CFG0	I	Clock frequency setting terminal Fixed at "L" in this unit
23	VDD_INT	-	Power supply terminal (+1.2V) (for core)
24	CLKIN	I	System clock input terminal (25 MHz)
25	XTAL2	O	System clock output terminal Not used
26	ADDR10	O	Address signal output terminal Not used
27	SDA10	O	Address signal output to the SD-RAM
28	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
29	VDD_INT	-	Power supply terminal (+1.2V) (for core)
30	ADDR11	O	Address signal output to the SD-RAM
31	ADDR12	O	Address signal output terminal Not used
32	ADDR17	O	Bank address signal output to the SD-RAM
33	ADDR13	O	Address signal output terminal Not used
34	VDD_INT	-	Power supply terminal (+1.2V) (for core)
35	ADDR18	O	Bank address signal output to the SD-RAM
36	$\overline{RESETOUT}$/ $\overline{RUNRSTIN}$	I/O	Reset signal output terminal/Running reset signal input terminal Not used
37	VDD_INT	-	Power supply terminal (+1.2V) (for core)
38	MOSI	I	Serial data input from the main system controller
39	MISO	O	Serial data output to the main system controller
40	SPICLK	I	Serial data transfer clock signal input from the main system controller
41	VDD_INT	-	Power supply terminal (+1.2V) (for core)
42	DPI_P05	I	Chip select signal input from the main system controller
43	DSP_CS	I	Chip select signal input from the main system controller
44	MD	-	Not used
45	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
46	NC	-	Not used
47	RESET_MAIN	I	Reset signal input terminal Not used
48	VDD_INT	-	Power supply terminal (+1.2V) (for core)
49	UART_OUT	O	Serial data output terminal Not used
50	UART_IN	I	Serial data input terminal Not used
51	LED	O	Not used
52 to 56	NC	-	Not used
57	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
58 to 61	NC	-	Not used
62	VDD_INT	-	Power supply terminal (+1.2V) (for core)
63, 64	NC	-	Not used
65	VDD_INT	-	Power supply terminal (+1.2V) (for core)
66, 67	NC	-	Not used
68	VDD_INT	-	Power supply terminal (+1.2V) (for core)
69	NC	-	Not used
70	$\overline{WDTRSTO}$	O	Watchdog timer reset output terminal Not used
71	NC	-	Not used
72	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
73	SL/SR_OUT	O	Audio signal output to the DSP2

Pin No.	Pin Name	I/O	Description
74	SL/SR_IN	I	Audio signal input terminal
75	BCLK_IN	I	Bit clock signal input terminal
76	OPTION_L/ OPTION_R_OUT	O	Audio signal output to the DSP2
77	FRONTHI_L/R_OUT	O	Audio signal output to the DSP2
78	VDD_INT	-	Power supply terminal (+1.2V) (for core)
79 to 83	NC	-	Not used
84	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
85	VDD_INT	-	Power supply terminal (+1.2V) (for core)
86	L/R_OUT	O	Audio signal output to the DSP2
87	MID/SW2_OUT	O	Audio signal output terminal Not used
88	SBL/SBR_OUT	O	Audio signal output to the DSP2
89	ZONE_L/R	O	Not used
90	VDD_INT	-	Power supply terminal (+1.2V) (for core)
91	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
92	MCLK_IN	I	Master clock signal input from the frequency multiplier
93	VDD_INT	-	Power supply terminal (+1.2V) (for core)
94	C/SW1_OUT	O	Audio signal output to the DSP2
95	C/SW_IN	I	Audio signal input terminal
96	A/D_2CH	I	Audio signal input terminal
97	LRCLK_IN	I	L/R sampling clock signal input terminal
98	BCLK_OUT	O	Bit clock signal output to the DSP2
99	LRCLK_OUT	O	L/R sampling clock signal output to the DSP2
100	L/R_IN	I	Audio signal input terminal
101	SBL/SBR_IN	I	Audio signal input terminal
102	VDD_INT	-	Power supply terminal (+1.2V) (for core)
103	DIR_IN	I	Audio signal input terminal
104	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
105	VDD_INT	-	Power supply terminal (+1.2V) (for core)
106	BOOT_CFG2	I	Boot mode selection signal input terminal Fixed at “L” in this unit
107	VDD_INT	-	Power supply terminal (+1.2V) (for core)
108	AMI_ACK	I	Memory acknowledge terminal Not used
109	GND	-	Ground terminal
110	THD_M	O	Thermal diode cathode output terminal Not used
111	THD_P	I	Thermal diode anode input terminal Not used
112	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
113, 114	VDD_INT	-	Power supply terminal (+1.2V) (for core)
115	$\overline{\text{MS1}}$	O	Memory select terminal Not used
116	VDD_INT	-	Power supply terminal (+1.2V) (for core)
117	WDT_CLKO	O	Watchdog resonator pad output terminal Not used
118	WDT_CLKIN	I	Watchdog timer clock input terminal Fixed at “L” in this unit
119	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
120 to 122	ADDR23 t o ADDR21	O	Address signal output terminal Not used
123	VDD_INT	-	Power supply terminal (+1.2V) (for core)
124, 125	ADDR20, ADDR19	O	Address signal output terminal Not used
126	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
127, 128	ADDR16, ADDR15	O	Address signal output terminal Not used
129	VDD_INT	-	Power supply terminal (+1.2V) (for core)
130	ADDR14	O	Address signal output terminal Not used
131	$\overline{\text{AMI_WR}}$	O	AMI port write enable terminal Not used
132	$\overline{\text{AMI_RD}}$	O	AMI port read enable terminal Not used
133	VDD_INT	-	Power supply terminal (+1.2V) (for core)
134	IRQ/GPIO	O	Interrupt request signal output to the main system controller
135	FLAG1	I	Error signal input terminal
136	FLAG2	I	Non-LPCM setting signal input terminal
137	MLBCLK	I	Not used
138	FLAG3	O	Error signal output to the main system controller and DSP2
139	MLBDAT	I	Not used
140	MLBDO	I	Not used

Pin No.	Pin Name	I/O	Description
141	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
142	MLBSIG	I	Not used
143	VDD_INT	-	Power supply terminal (+1.2V) (for core)
144	$\overline{\text{TRST}}$	I	Test reset signal input terminal (for JTAG) Not used
145	MLBSO	I	Not used
146	$\overline{\text{EMU}}$	O	Emulation status signal output terminal Not used
147 to 150	DATA0 to DATA3	I/O	Two-way data bus with the SD-RAM
151	TDO	O	Test data output terminal (for JTAG) Not used
152	DATA4	I/O	Two-way data bus with the SD-RAM
153	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
154, 155	DATA5, DATA6	I/O	Two-way data bus with the SD-RAM
156	VDD_INT	-	Power supply terminal (+1.2V) (for core)
157	DATA7	I/O	Two-way data bus with the SD-RAM
158	TDI	I	Test data input terminal (for JTAG) Not used
159	SDCLK	O	Clock output terminal Not used
160	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
161 to 163	DATA8 to DATA10	I/O	Two-way data bus with the SD-RAM
164	TCK	I	Test clock signal input terminal (for JTAG) Not used
165 to 168	DATA11, DATA12, DATA14, DATA13	I/O	Two-way data bus with the SD-RAM
169	VDD_INT	-	Power supply terminal (+1.2V) (for core)
170	DATA15	I/O	Two-way data bus with the SD-RAM
171	$\overline{\text{SDWE}}$	O	Write enable signal output to the SD-RAM
172	$\overline{\text{SDRAS}}$	O	Row address strobe signal output to the SD-RAM
173	$\overline{\text{RESET}}$	I	Reset signal input from the main system controller “L”: reset
174	TMS	I	Test mode selection signal input terminal (for JTAG) Not used
175	$\overline{\text{SDCAS}}$	O	Column address select signal output to the SD-RAM
176	VDD_INT	-	Power supply terminal (+1.2V) (for core)

DSP BOARD IC5201 ADSST-AVR-3023 (DSP2)

Pin No.	Pin Name	I/O	Description
1	SDDQM	O	Data mask signal output to the SD-RAM
2	$\overline{MS0}$	O	Memory select signal output to the SD-RAM
3	SDCKE	O	Clock enable signal output to the SD-RAM
4	VDD_INT	-	Power supply terminal (+1.2V) (for core)
5	CLK_CFG1	I	Clock frequency setting terminal Fixed at "L" in this unit
6	ADDR0	O	Address signal output to the SD-RAM
7	BOOT_CFG0	I	Boot mode selection signal input terminal Fixed at "H" in this unit
8	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
9 to 13	ADDR1 to ADDR5	O	Address signal output to the SD-RAM
14	BOOT_CFG1	I	Serial data input from the main system controller
15	GND	-	Ground terminal
16, 17	ADDR6, ADDR7	O	Address signal output to the SD-RAM
18, 19	NC	-	Not used
20, 21	ADDR8, ADDR9	O	Address signal output to the SD-RAM
22	CLK_CFG0	I	Clock frequency setting terminal Fixed at "L" in this unit
23	VDD_INT	-	Power supply terminal (+1.2V) (for core)
24	CLKIN	I	System clock input terminal (25 MHz)
25	XTAL2	O	System clock output terminal Not used
26	ADDR10	O	Address signal output terminal Not used
27	SDA10	O	Address signal output to the SD-RAM
28	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
29	VDD_INT	-	Power supply terminal (+1.2V) (for core)
30	ADDR11	O	Address signal output to the SD-RAM
31	ADDR12	O	Address signal output terminal Not used
32	ADDR17	O	Bank address signal output to the SD-RAM
33	ADDR13	O	Address signal output terminal Not used
34	VDD_INT	-	Power supply terminal (+1.2V) (for core)
35	ADDR18	O	Bank address signal output to the SD-RAM
36	$\overline{RESETOUT}$/ $\overline{RUNRSTIN}$	I/O	Reset signal output terminal/Running reset signal input terminal Not used
37	VDD_INT	-	Power supply terminal (+1.2V) (for core)
38	MOSI	I	Serial data input from the main system controller
39	MISO	O	Serial data output to the main system controller
40	SPICLK	I	Serial data transfer clock signal input from the main system controller
41	VDD_INT	-	Power supply terminal (+1.2V) (for core)
42	DPI_P05	I	Chip select signal input from the main system controller
43	DSP_CS	I	Chip select signal input from the main system controller
44	MD	-	Not used
45	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
46	NC	-	Not used
47	RESET_MAIN	I	Reset signal input terminal Not used
48	VDD_INT	-	Power supply terminal (+1.2V) (for core)
49	UART_OUT	O	Serial data output terminal Not used
50	UART_IN	I	Serial data input terminal Not used
51	LED	O	Not used
52 to 56	NC	-	Not used
57	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
58 to 61	NC	-	Not used
62	VDD_INT	-	Power supply terminal (+1.2V) (for core)
63, 64	NC	-	Not used
65	VDD_INT	-	Power supply terminal (+1.2V) (for core)
66, 67	NC	-	Not used
68	VDD_INT	-	Power supply terminal (+1.2V) (for core)
69	NC	-	Not used
70	$\overline{WDTRSTO}$	O	Watchdog timer reset output terminal Not used
71	NC	-	Not used
72	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
73	SL/SR_OUT	O	Audio signal output to the field programmable gate array

Pin No.	Pin Name	I/O	Description
74	SL/SR_IN	I	Audio signal input from the DSP1
75	BCLK_IN	I	Bit clock signal input from the DSP1
76	OPTION_L/ OPTION_R_OUT	O	Audio signal output terminal Not used
77	FRONTHI_L/R_OUT	O	Audio signal output to the D/A converter
78	VDD_INT	-	Power supply terminal (+1.2V) (for core)
79 to 83	NC	-	Not used
84	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
85	VDD_INT	-	Power supply terminal (+1.2V) (for core)
86	L/R_OUT	O	Audio signal output to the field programmable gate array
87	MID/SW2_OUT	O	Audio signal output terminal Not used
88	SBL/SBR_OUT	O	Audio signal output to the field programmable gate array
89	ZONE_L/R	O	Not used
90	VDD_INT	-	Power supply terminal (+1.2V) (for core)
91	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
92	MCLK_IN	I	Master clock signal input from the frequency multiplier
93	VDD_INT	-	Power supply terminal (+1.2V) (for core)
94	C/SW1_OUT	O	Audio signal output to the field programmable gate array
95	C/SW_IN	I	Audio signal input from the DSP1
96	A/D_2CH	I	Audio signal input from the DSP1
97	LRCLK_IN	I	L/R sampling clock signal input from the DSP1
98	BCLK_OUT	O	Bit clock signal output to the field programmable gate array
99	LRCLK_OUT	O	L/R sampling clock signal output to the field programmable gate array
100	L/R_IN	I	Audio signal input from the DSP1
101	SBL/SBR_IN	I	Audio signal input from the DSP1
102	VDD_INT	-	Power supply terminal (+1.2V) (for core)
103	DIR_IN	I	Audio signal input from the DSP1
104	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
105	VDD_INT	-	Power supply terminal (+1.2V) (for core)
106	BOOT_CFG2	I	Boot mode selection signal input terminal Fixed at “L” in this unit
107	VDD_INT	-	Power supply terminal (+1.2V) (for core)
108	AMI_ACK	I	Memory acknowledge terminal Not used
109	GND	-	Ground terminal
110	THD_M	O	Thermal diode cathode output terminal Not used
111	THD_P	I	Thermal diode anode input terminal Not used
112	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
113, 114	VDD_INT	-	Power supply terminal (+1.2V) (for core)
115	$\overline{MS1}$	O	Memory select terminal Not used
116	VDD_INT	-	Power supply terminal (+1.2V) (for core)
117	WDT_CLKO	O	Watchdog resonator pad output terminal Not used
118	WDT_CLKIN	I	Watchdog timer clock input terminal Fixed at “L” in this unit
119	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
120 to 122	ADDR23 t o ADDR21	O	Address signal output terminal Not used
123	VDD_INT	-	Power supply terminal (+1.2V) (for core)
124, 125	ADDR20, ADDR19	O	Address signal output terminal Not used
126	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
127, 128	ADDR16, ADDR15	O	Address signal output terminal Not used
129	VDD_INT	-	Power supply terminal (+1.2V) (for core)
130	ADDR14	O	Address signal output terminal Not used
131	$\overline{AMI_WR}$	O	AMI port write enable terminal Not used
132	$\overline{AMI_RD}$	O	AMI port read enable terminal Not used
133	VDD_INT	-	Power supply terminal (+1.2V) (for core)
134	IRQ/GPIO	O	Interrupt request signal output to the main system controller
135	FLAG1	I	Error signal input terminal
136	FLAG2	I	Error signal input from the DSP1
137	MLBCLK	I	Not used
138	FLAG3	O	Not used
139	MLBDAT	I	Not used
140	MLBDO	I	Not used

Pin No.	Pin Name	I/O	Description
141	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
142	MLBSIG	I	Not used
143	VDD_INT	-	Power supply terminal (+1.2V) (for core)
144	$\overline{\text{TRST}}$	I	Test reset signal input terminal (for JTAG) Not used
145	MLBSO	I	Not used
146	$\overline{\text{EMU}}$	O	Emulation status signal output terminal Not used
147 to 150	DATA0 to DATA3	I/O	Two-way data bus with the SD-RAM
151	TDO	O	Test data output terminal (for JTAG) Not used
152	DATA4	I/O	Two-way data bus with the SD-RAM
153	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
154, 155	DATA5, DATA6	I/O	Two-way data bus with the SD-RAM
156	VDD_INT	-	Power supply terminal (+1.2V) (for core)
157	DATA7	I/O	Two-way data bus with the SD-RAM
158	TDI	I	Test data input terminal (for JTAG) Not used
159	SDCLK	O	Clock output terminal Not used
160	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
161 to 163	DATA8 to DATA10	I/O	Two-way data bus with the SD-RAM
164	TCK	I	Test clock signal input terminal (for JTAG) Not used
165 to 168	DATA11, DATA12, DATA14, DATA13	I/O	Two-way data bus with the SD-RAM
169	VDD_INT	-	Power supply terminal (+1.2V) (for core)
170	DATA15	I/O	Two-way data bus with the SD-RAM
171	$\overline{\text{SDWE}}$	O	Write enable signal output to the SD-RAM
172	$\overline{\text{SDRAS}}$	O	Row address strobe signal output to the SD-RAM
173	$\overline{\text{RESET}}$	I	Reset signal input from the main system controller “L”: reset
174	TMS	I	Test mode selection signal input terminal (for JTAG) Not used
175	$\overline{\text{SDCAS}}$	O	Column address select signal output to the SD-RAM
176	VDD_INT	-	Power supply terminal (+1.2V) (for core)

A-VIDEO BOARD IC6302 FLI30502AC (VIDEO CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	VDDA33_LBADC	-	Power supply terminal (+3.3V)
2 to 6	LBADC_IN1 to LBADC_IN5	-	Not used
7	VSSA33_LBADC	-	Ground terminal
8	RESETn	I	Reset signal input from the main system controller "L": reset
9	VBUFC_RPLL	-	Not used
10	VDD_RPLL_18	-	Power supply terminal (+1.8V)
11	GND_RPLL	-	Ground terminal
12	XTAL	O	System clock output terminal (19.6608 MHz)
13	TCLK	I	System clock input terminal (19.6608 MHz)
14	AVDD_RPLL_33	-	Power supply terminal (+3.3V)
15	VSYNC1_VGA	-	Not used
16	HSYNC1_VGA	-	Not used
17	STI_TM2	-	Not used
18	GPIO15/STI_TM1/ EXT_CSn	-	Not used
19	SCART16	-	Not used
20	CVDD_18	-	Power supply terminal (+3.3V)
21	CRVSS	-	Ground terminal
22	UART_DI	I	Update signal input from the connector (for RS232C) and audio/video signal decoder
23	UART_DO	O	Update signal output to the connector (for RS232C) and audio/video signal decoder
24	DDC_SCLK	-	Not used
25	DDC_SDATA	-	Not used
26	CVDD_18	-	Power supply terminal (+1.8V)
27	CRVSS	-	Ground terminal
28	MSTR_SCLK	O	Serial data transfer clock signal output to the EEPROM
29	MSTR_SDATA	I/O	Two-way serial data bus with the EEPROM
30	RVDD_33	-	Power supply terminal (+3.3V)
31	CRVSS	-	Ground terminal
32 to 35	GPIO0 to GPIO3	-	Not used
36	GPIO6/IRin	-	Not used
37	CVDD_18	-	Power supply terminal (+1.8V)
38	CRVSS	-	Ground terminal
39	GPIO7/IRQin	-	Not used
40	GPIO8/IRQout	-	Not used
41	SIPC_SCLK	I	Serial data transfer clock signal input from the main system controller
42	SIPC_SDATA	I	Serial data input from the main system controller
43	CVDD_18	-	Power supply terminal (+1.8V)
44	CRVSS	-	Ground terminal
45, 46	GPIO11/PWM0, GPIO12/PWM1	-	Not used
47	RVDD_33	-	Power supply terminal (+3.3V)
48	CRVSS	-	Ground terminal
49	GPIO13/PWM2/ JTAG_RESET	-	Not used
50	GPIO14/PWM3/ SCART16_1	-	Not used
51	CVDD_18	-	Power supply terminal (+1.8V)
52	CRVSS	-	Ground terminal
53	GPIO4/VIDIN_HS	-	Not used
54	GPIO5/VIDIN_VS	-	Not used
55	VID2_CLK/ROM_OEn	-	Not used
56	VID_DE_FLD/A0/ GPIO16	-	Not used
57	I2S_SPDIF_IN_DATA	-	Not used
58	I2S_IN_WCLK/ GPIO50	-	Not used
59	I2S_IN_BCLK/ GPIO51	-	Not used

Pin No.	Pin Name	I/O	Description
60	I2S0_SPDIF_OUT_ DATA	-	Not used
61	I2S_OUT_WCLK/ GPIO52	-	Not used
62	I2S_OUT_BCLK/ GPIO53	-	Not used
63	I2S1_OUT_DATA	-	Not used
64	AUD_CLKOUT	-	Not used
65	CVDD_18	-	Power supply terminal (+1.8V)
66	CRVSS	-	Ground terminal
67	DEN	O	Data enable signal output to the D/A converter (for video section)
68	DHS	O	Horizontal sync signal output to the D/A converter (for video section)
69	DVS	O	Vertical sync signal output to the D/A converter (for video section)
70	DCLK	O	Output data clock signal output to the D/A converter (for video section)
71	PBIAS	-	Not used
72	PPWR	-	Not used
73	AVSS_LV	-	Ground terminal
74	AVDD_LV_33	-	Power supply terminal (+3.3V)
75 to 84	R0 to R7, G0, G1,	O	Digital video signal output to the D/A converter (for video section)
85	AVSS_OUT_LV	-	Ground terminal
86	AVDD_OUT_LV_33	-	Power supply terminal (+3.3V)
87 to 96	G2 to G7, B0 to B3	O	Digital video signal output to the D/A converter (for video section)
97	AVSS_OUT_LV	-	Ground terminal
98	AVDD_OUT_LV_33	-	Power supply terminal (+3.3V)
99 to 102	B4 to B7	O	Digital video signal output to the D/A converter (for video section)
103	CVDD_18	-	Power supply terminal (+1.8V)
104	CRVSS	-	Ground terminal
105	GPIO49/A18	-	Not used
106	ROM_SCSn/ ROM_CSn	O	Chip select signal output to the serial flash
107	ROM_SCLK	O	Serial data transfer clock signal output to the serial flash
108	ROM_SDO	O	Serial data output to the serial flash
109	ROM_SDI	I	Serial data input from the serial flash
110	RVDD_33	-	Power supply terminal (+3.3V)
111	CRVSS	-	Ground terminal
112	EXT_ADC_CLAMP/ A15/OPM1	-	Not used
113	XOSD_CLK/A14/ OPM0	-	Not used
114	XOSD_HS/A13/FS1	-	Not used
115	XOSD_VS/A12/FS0	-	Not used
116	XOSD_FLD/A11/FT1	-	Not used
117	VBI_DATA_7/A10/FT0	-	Not used
118, 119	BT2, BT1	I	Boot selection signal input from the main system controller
120	VBI_DATA_4/A7/ GPO23/BT0	-	Not used
121	VBI_DATA_3/A6/ GPO22/OSC_SEL	-	Not used
122 to 124	VBI_DATA_2/A5/ GPIO21 to VBI_DATA_0/A3/ GPIO19	-	Not used
125	VBI_VALID/A2/ GPIO18	-	Not used
126	VBI_CLK/A1/GPIO17	-	Not used
127	VID_DATA_IN_16/D0/ VID2_0	-	Not used
128	RVDD_33	-	Power supply terminal (+3.3V)
129	CRVSS	-	Ground terminal
130	VID_DATA_IN_17/D1/ VID2_1	-	Not used
131	CVDD_18	-	Power supply terminal (+1.8V)

Pin No.	Pin Name	I/O	Description
132	CRVSS	-	Ground terminal
133	VID_DATA_IN_18/D2/ VID2_2	-	Not used
134	CVDD_18	-	Power supply terminal (+1.8V)
135	CRVSS	-	Ground terminal
136 to 140	VID_DATA_IN_19/ D3/VID2_3 to VID_DATA_IN_23/D7/ VID2_7	-	Not used
141, 142	VID_DATA_IN_0, VID_DATA_IN_1	-	Not used
143	CVDD_18	-	Power supply terminal (+1.8V)
144	CRVSS	-	Ground terminal
145 to 150	VID_DATA_IN_2 to VID_DATA_IN_7	-	Not used
151	VID_CLK1	-	Not used
152	RVDD_33	-	Power supply terminal (+3.3V)
153	CRVSS	-	Ground terminal
154	GPIO36/JTAG_TDO	-	Not used
155	GPIO35/JTAG_TDI	-	Not used
156	GPIO34	I	External receipt bus open signal input from the main system controller
157	GPIO33	-	Not used
158	CVDD_18	-	Power supply terminal (+1.8V)
159	CRVSS	-	Ground terminal
160, 161	GPIO24, GPIO25	-	Not used
162, 163	VID_DATA_IN_8/ GPIO54, VID_DATA_IN_9/ GPIO55	-	Not used
164	GPIO26	-	Not used
165, 166	VID_DATA_IN_10, VID_DATA_IN_11	-	Not used
167 to 169	GPIO27 to GPIO29	-	Not used
170, 171	VID_DATA_IN_12, VID_DATA_IN_13	-	Not used
172	RVDD_33	-	Power supply terminal (+3.3V)
173, 174	VID_DATA_IN_14, VID_DATA_IN_15	-	Not used
175	RVSS	-	Not used
176 to 178	GPIO30 to GPIO32	-	Not used
179	VDD_HP_33	-	Power supply terminal (+3.3V)
180	AUD_HP_OUT_L	-	Not used
181	AUD_HP_OUT_R	-	Not used
182	GND_HP	-	Ground terminal
183	AUD_OUT2_L	-	Not used
184	AUD_OUT2_R	-	Not used
185	AUD_OUT1_L	-	Not used
186	AUD_OUT1_R	-	Not used
187	VDD_AUD1_33	-	Power supply terminal (+3.3V)
188	LS_OUT_L	-	Not used
189	LS_OUT_R	-	Not used
190	LS_OUT_SW	-	Not used
191	GND_AUD1	-	Ground terminal
192	VREFN	I	Negative reference voltage input terminal Fixed at “L” in this unit
193	VREFM	I	Common mode reference voltage input terminal Fixed at “M” in this unit
194	VREFP	I	Positive reference voltage input terminal Fixed at “H” in this unit
195	VDD_AUD2_33	-	Power supply terminal (+3.3V)
196	AUD_IN_L4	-	Not used
197	AUD_IN_R4	-	Not used
198	AUD_IN_L3	-	Not used

Pin No.	Pin Name	I/O	Description
199	AUD_IN_R3	-	Not used
200	AUD_IN_L2	-	Not used
201	AUD_IN_R2	-	Not used
202	AUD_IN_L1	-	Not used
203	AUD_IN_R1	-	Not used
204	AUD_MONO_IN	-	Not used
205	GND_AUD2	-	Ground terminal
206	VDD_AUD_18	-	Power supply terminal (+1.8V)
207	GND_AUD_18	-	Ground terminal
208	VDD18_ABC_SC	-	Power supply terminal (+1.8V)
209	GND18_ABC_SC	-	Ground terminal
210	VDDA	-	Power supply terminal (+3.3V)
211	SIF_IN2	-	Not used
212	GNDA	-	Ground terminal
213	SIF_RTN	-	Not used
214	GNDA	-	Ground terminal
215	SIF_IN1	-	Not used
216	VDDA	-	Power supply terminal (+3.3V)
217	SV1P	-	Not used
218	VDDA	-	Power supply terminal (+3.3V)
219	A1P	I	Component video signal input from the video input selector
220	GNDA	-	Ground terminal
221	B1P	I	Component video signal input from the video input selector
222	GNDA	-	Ground terminal
223	C1P	I	Component video signal input from the video input selector
224	GNDA	-	Ground terminal
225	AN	-	Not used
226	GNDA	-	Ground terminal
227	SV2P	-	Not used
228	VDDA	-	Power supply terminal (+3.3V)
229	A2P	-	Not used
230	VDDA	-	Power supply terminal (+3.3V)
231	B2P	-	Not used
232	GNDA	-	Ground terminal
233	C2P	-	Not used
234	GNDA	-	Ground terminal
235	BN	-	Not used
236	GNDA	-	Ground terminal
237	SV3P	-	Not used
238	VDDA	-	Power supply terminal (+3.3V)
239	A3P	-	Not used
240	VDDA	-	Power supply terminal (+3.3V)
241	B3P	-	Not used
242	GNDA	-	Ground terminal
243	C3P	-	Not used
244	GNDA	-	Ground terminal
245	CN	-	Not used
246	GNDA	-	Ground terminal
247	SV4P	-	Not used
248	GNDA	-	Ground terminal
249	A4P	I	Composite video signal input from the video input selector
250	GNDA	-	Ground terminal
251	B4P	-	Not used
252	GNDA	-	Ground terminal
253	C4P	-	Not used
254	VDDA	-	Power supply terminal (+3.3V)
255	SVN	-	Not used
256	VOUT2	-	Not used

D-VIDEO BOARD IC3111 XC3S200AN-4FTG256C-HDSEL01 (HDMI OUTPUT SELECTOR)

Pin No.	Pin Name	I/O	Description
A1	GND	-	Ground terminal
A2	PROG_B	-	Not used
A3 to A7	in_a<11>, in_a<9>, in_a<5>, in_a<2>, in_a<0>	I	Digital video signal input from the HDMI receiver
A8	hsync_a	I	Horizontal sync signal input from the HDMI receiver
A9	clk_a	I	Output data clock signal input from the HDMI receiver
A10	ctl_data	-	Not used
A11	vsync_b	I	Vertical sync signal input from the video processor
A12	hsync_b	I	Horizontal sync signal input from the video processor
A13	in_b<0>	I	Digital video signal input terminal Not used
A14	in_b<2>	I	Digital video signal input from the video processor
A15	TCK	I	Test clock signal input terminal (for JTAG) Not used
A16	GND	-	Ground terminal
B1	TDI	I	Test data input terminal (for JTAG) Not used
B2	TMS	I	Test mode selection signal input terminal (for JTAG) Not used
B3, B4	in_a<10>, in_a<8>	I	Digital video signal input from the HDMI receiver
B5	VCCO_0	-	Power supply terminal (+3.3V)
B6	in_a<3>	I	Digital video signal input from the HDMI receiver
B7	GND	-	Ground terminal
B8	vsync_a	I	Vertical sync signal input from the HDMI receiver
B9	VCCO_0	-	Power supply terminal (+3.3V)
B10	ctl_lat	-	Not used
B11	GND	-	Ground terminal
B12	de_b	I	Data enable signal input from the video processor
B13	VCCO_0	-	Power supply terminal (+3.3V)
B14	in_b<1>	I	Digital video signal input terminal Not used
B15	in_b<3>	I	Digital video signal input from the video processor
B16	TDO	O	Test data output terminal (for JTAG) Not used
C1, C2	in_a<13>, in_a<12>	I	Digital video signal input from the HDMI receiver
C3	GND	-	Ground terminal
C4 to C7	in_a<7>, in_a<6>, in_a<4>, in_a<1>	I	Digital video signal input from the HDMI receiver
C8	de_a	I	Data enable signal input from the HDMI receiver
C9	clk_b	I	Output data clock signal input from the video processor
C10	ctl_clk	-	Not used
C11	-	-	Not used
C12, C13	in_b<4>, in_b<5>	I	Digital video signal input from the video processor
C14	GND	-	Ground terminal
C15, C16	in_b<7>, in_b<8>	I	Digital video signal input from the video processor
D1	in_a<14>	I	Digital video signal input from the HDMI receiver
D2	VCCO_3	-	Power supply terminal (+3.3V)
D3	in_a<16 >	I	Digital video signal input from the HDMI receiver
D4	-	-	Not used
D5	PUDC_B	-	Not used
D6 to D8	-	-	Not used
D9	reset	I	Reset signal input from the main system controller “L”: reset
D10	-	-	Not used
D11	p_ctl	-	Not used
D12	p_sel	I	Digital video signal (for HDMI OUT) selection signal input from the main system controller
D13	p_th	I	Horizontal sync control signal input from the main system controller
D14 to D16	in_b<6>, in_b<9>, in_b<10>	I	Digital video signal input from the video processor
E1 to E3	in_a<15>, in_a<17>, in_a<18>	I	Digital video signal input from the HDMI receiver
E4	-	-	Not used

Pin No.	Pin Name	I/O	Description
E5	GND	-	Ground terminal
E6, E7	-	-	Not used
E8	VCCO_0	-	Power supply terminal (+3.3V)
E9, E10	-	-	Not used
E11	VCCAUX	-	Power supply terminal (+3.3V)
E12	GND	-	Ground terminal
E13	non<0>	-	Not used
E14	in_b<12>	I	Digital video signal input terminal Not used
E15	VCCO_0	-	Power supply terminal (+3.3V)
E16	in_b<11>	I	Digital video signal input from the video processor
F1	in_a<20>	I	Digital video signal input from the HDMI receiver
F2	GND	-	Ground terminal
F3	in_a<19>	I	Digital video signal input from the HDMI receiver
F4	-	-	Not used
F5	VCCAUX	-	Power supply terminal (+3.3V)
F6	GND	-	Ground terminal
F7 to F12	-	-	Not used
F13	non<1>	-	Not used
F14	in_b<14>	I	Digital video signal input from the video processor
F15	in_b<13>	I	Digital video signal input terminal Not used
F16	in_b<16>	I	Digital video signal input from the video processor
G1 to G3	in_a<21>, in_a<22>, in_a<24>	I	Digital video signal input from the HDMI receiver
G4 to G6	-	-	Not used
G7	VCCINT	-	Power supply terminal (+1.2V)
G8	GND	-	Ground terminal
G9	VCCINT	-	Power supply terminal (+1.2V)
G10	GND	-	Ground terminal
G11, G12	-	-	Not used
G13	non<2>	-	Not used
G14	in_b<15>	I	Digital video signal input from the video processor
G15	GND	-	Ground terminal
G16	in_b<17>	I	Digital video signal input from the video processor
H1	in_a<23>	I	Digital video signal input from the HDMI receiver
H2	VCCO_3	-	Power supply terminal (+3.3V)
H3	in_a<25>	I	Digital video signal input from the HDMI receiver
H4 to H7	-	-	Not used
H8	VCCINT	-	Power supply terminal (+1.2V)
H9	GND	-	Ground terminal
H10, H11	-	-	Not used
H12	VCCO_1	-	Power supply terminal (+3.3V)
H13	non<3>	-	Not used
H14 to H16	in_b<21>, in_b<20>, in_b<18>	I	Digital video signal input from the video processor
J1 to J3	in_a<28>, in_a<26>, in_a<27>	I	Digital video signal input from the HDMI receiver
J4	-	-	Not used
J5	VCCO_3	-	Power supply terminal (+3.3V)
J6, J7	-	-	Not used
J8	GND	-	Ground terminal
J9	VCCINT	-	Power supply terminal (+1.2V)
J10 to J12	-	-	Not used
J13	non<4>	-	Not used
J14	in_b<22>	I	Digital video signal input from the video processor
J15	VCCO_1	-	Power supply terminal (+3.3V)
J16	in_b<19>	I	Digital video signal input from the video processor
K1	in_a<29>	I	Digital video signal input from the HDMI receiver

Pin No.	Pin Name	I/O	Description
K2	GND	-	Ground terminal
K3	in_a<32>	I	Digital video signal input from the HDMI receiver
K4 to K6	-	-	Not used
K7	GND	-	Ground terminal
K8	VCCINT	-	Power supply terminal (+1.2V)
K9	GND	-	Ground terminal
K10	VCCINT	-	Power supply terminal (+1.2V)
K11, K12	-	-	Not used
K13	non<5>	-	Not used
K14	in_b<23>	I	Digital video signal input from the video processor
K15, K16	in_b<24>, in_b<25>	I	Digital video signal input terminal Not used
L1 to L3	in_a<30>, in_a<33>, in_a<34>	I	Digital video signal input from the HDMI receiver
L4 to L10	-	-	Not used
L11	GND	-	Ground terminal
L12	VCCAUX	-	Power supply terminal (+3.3V)
L13	non<6>	-	Not used
L14	in_b<28>	I	Digital video signal input from the video processor
L15	GND	-	Ground terminal
L16	in_b<26>	I	Digital video signal input from the video processor
M1	in_a<31>	I	Digital video signal input from the HDMI receiver
M2	VCCO_3	-	Power supply terminal (+3.3V)
M3	in_a<35>	I	Digital video signal input from the HDMI receiver
M4	-	-	Not used
M5	GND	-	Ground terminal
M6	VCCAUX	-	Power supply terminal (+3.3V)
M7, M8	-	-	Not used
M9	VCCO_2	-	Power supply terminal (+3.3V)
M10, M11	-	-	Not used
M12	GND	-	Ground terminal
M13	non<7>	-	Not used
M14 to M16	in_b<30>, in_b<29>, in_b<27>	I	Digital video signal input from the video processor
N1	de_o	O	Data enable signal output to the HDMI transmitter
N2	hsync_o	O	Horizontal sync signal output to the HDMI transmitter
N3	vsync_o	O	Vertical sync signal output to the HDMI transmitter
N4	out_o<8>	O	Digital video signal output to the HDMI transmitter
N5	-	-	Not used
N6 to N12	out_o<10>,.out_o<11>, out_o<17>, out_o<20>, out_o<21>, out_o<23>, out_o<30>	O	Digital video signal output to the HDMI transmitter
N13	-	-	Not used
N14	in_b<31>	I	Digital video signal input from the video processor
N15	VCCO_1	-	Power supply terminal (+3.3V)
N16	in_b<32>	I	Digital video signal input from the video processor
P1, P2	out_o<0>,.out_o<1>	O	Digital video signal output to the HDMI transmitter
P3	GND	-	Ground terminal
P4 to P13	out_o<6>,.out_o<9>, out_o<14>,.out_o<16>, out_o<19>, out_o<24>, out_o<22>, out_o<28>, out_o<29>, out_o<31>	O	Digital video signal output to the HDMI transmitter
P14	GND	-	Ground terminal
P15, P16	in_b<33>, in_b<34>	I	Digital video signal input from the video processor
R1	out_o<2>	O	Digital video signal output to the HDMI transmitter
R2	M2	-	Not used
R3	out_o<4>	O	Digital video signal output to the HDMI transmitter

Pin No.	Pin Name	I/O	Description
R4	VCCO_2	-	Power supply terminal (+3.3V)
R5	out_o<12>	O	Digital video signal output to the HDMI transmitter
R6	GND	-	Ground terminal
R7	-	-	Not used
R8	VCCO_2	-	Power supply terminal (+3.3V)
R9	-	-	Not used
R10	GND	-	Ground terminal
R11	out_o<27>	O	Digital video signal output to the HDMI transmitter
R12	VCCO_2	-	Power supply terminal (+3.3V)
R13, R14	out_o<32>, out_o<34>	O	Digital video signal output to the HDMI transmitter
R15	in_b<35>	I	Digital video signal input from the video processor
R16	SUSPEND	-	Not used
T1	GND	-	Ground terminal
T2 to T6	out_o<3>,.out_o<5>, out_o<7>, out_o<13>, out_o<15>	O	Digital video signal output to the HDMI transmitter
T7	clk_o<0>	O	Output data clock signal output to the HDMI transmitter
T8	out_o<18>	O	Digital video signal output to the HDMI transmitter
T9	clk_o<1>	O	Output data clock signal output to the HDMI transmitter
T10, T11	out_o<25>, out_o<26>	O	Digital video signal output to the HDMI transmitter
T12	INIT_B	-	Not used
T13, T14	out_o<33>, out_o<35>	O	Digital video signal output to the HDMI transmitter
T15	DONE	-	Not used
T16	GND	-	Ground terminal

D-VIDEO BOARD IC3511 SII9233ACTU (HDMI RECEIVER)

Pin No.	Pin Name	I/O	Description
1	RSVDNC	-	Not used
2	APVCC122	-	Power supply terminal (+1.2V)
3	XTALVCC33	-	Power supply terminal (+3.3V)
4	XTALOUT4	O	System clock output terminal Not used
5	XTALIN	I	System clock input terminal (27 MHz)
6	XTALGND	-	Ground terminal
7	IOVCC33	-	Power supply terminal (+3.3V)
8	CVCC12	-	Power supply terminal (+1.2V)
9, 10	RSVDNC	-	Not used
11	RSVDL	-	Ground terminal
12	GPIO0/XCLKOUT	I/O	Not used
13	GPIO1/SCDT	O	Not used
14	GPIO2/EVNODD	I/O	Not used
15	RSVDNC	-	Not used
16, 17	GPIO4, GPIO5	I/O	Not used
18	RSVDNC	-	Not used
19	GPIO6/DL3	O	Not used
20	GPIO7/DR3	O	Not used
21	RESET#	I	Reset signal input from the main system controller "L": reset
22	INT	O	Interrupt signal output to the main system controller
23	CSCL	I	I2C serial data transfer clock signal input from the main system controller
24	CSDA	I/O	Two-way I2C serial data bus with the HDMI transmitter, D/A converter (for video section) and main system controller
25	CI2CA	I	Local I2C address selection signal input terminal Fixed at "L" in this set
26, 27	CEC_A, CEC_D	I/O	Not used
28	SBVCC5	-	Power supply terminal (+5V)
29	R0PWR5V	I	Power supply voltage (+5V) input terminal
30	HPD0	O	Hot plug detection control signal output to the HDMI IN 6 (VIDEO 2) connector
31	DSCL0	I	I2C serial data transfer clock signal input from the HDMI IN 6 (VIDEO 2) connector
32	DSDA0	I/O	Two-way I2C serial data bus with the HDMI IN 6 (VIDEO 2) connector
33	R1PWR5V	I	Power supply voltage (+5V) input terminal
34	HPD1	O	Hot plug detection control signal output terminal Not used
35	DSCL1	I	I2C serial data transfer clock signal input from the HDMI input selector
36	DSDA1	I/O	Two-way I2C serial data bus with the HDMI input selector
37	R2PWR5V	I	Power supply voltage (+5V) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV) connector
38	HPD2	O	Hot plug detection control signal output to the HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV) connector
39	DSCL2	I	I2C serial data transfer clock signal input from the HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV) connector
40	DSDA2	I/O	Two-way I2C serial data bus with the HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV) connector
41	R3PWR5V	I	Power supply voltage (+5V) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME) connector
42	HPD3	O	Hot plug detection control signal output to the HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME) connector
43	DSCL3	I	I2C serial data transfer clock signal input from the HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME) connector
44	DSDA3	I/O	Two-way I2C serial data bus with the HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME) connector
45	RSVDCEC	-	Not used
46 to 49	RSVDNC	-	Not used
50	GND	-	Ground terminal
51 to 59	Q35 to Q27	O	Digital video signal output to the HDMI output selector and video processor
60	CVCC12	-	Power supply terminal (+1.2V)
61	IOVCC33	-	Power supply terminal (+3.3V)
62	Q26	O	Digital video signal output to the HDMI output selector and video processor
63, 64	Q25, Q24	O	Digital video signal output to the HDMI output selector
65 to 70	Q23 to Q18	O	Digital video signal output to the HDMI output selector and video processor
71	CVCC12	-	Power supply terminal (+1.2V)

Pin No.	Pin Name	I/O	Description
72	IOVCC33	-	Power supply terminal (+3.3V)
73	DE	O	Data enable signal output to the HDMI output selector and video processor
74	VSYNC	O	Vertical sync signal output to the HDMI output selector and video processor
75	HSYNC	O	Horizontal sync signal output to the HDMI output selector and video processor
76	ODCK	O	Output data clock signal output to the HDMI output selector and video processor
77 to 80	Q17 to Q14	O	Digital video signal output to the HDMI output selector and video processor
81, 82	Q13, Q12	O	Digital video signal output to the HDMI output selector
83 to 85	Q11 to Q9	O	Digital video signal output to the HDMI output selector and video processor
86	CVCC12	-	Power supply terminal (+1.2V)
87	IOVCC33	-	Power supply terminal (+3.3V)
88 to 94	Q8 to Q2	O	Digital video signal output to the HDMI output selector and video processor
95, 96	Q1, Q0	O	Digital video signal output to the HDMI output selector
97	CVCC12	-	Power supply terminal (+1.2V)
98	IOVCC33	-	Power supply terminal (+3.3V)
99	WS/DR0	O	Word select signal and DSD serial right channel-0 data output to the HDMI transmitter L/R sampling clock signal output to the DSP1
100	SCK/DCLK	O	Serial data transfer clock signal and data clock signal output to the HDMI transmitter Bit clock signal output to the DSP1
101	SD0/DL0	O	Serial data and DSD serial left channel-0 data output to the HDMI transmitter Digital audio signal output to the DSP1
102	SD1/DR1	O	Serial data and DSD serial right channel-1 data output to the HDMI transmitter Digital audio signal output to the DSP1
103	SD2/DL1	O	Serial data and DSD serial left channel-1 data output to the HDMI transmitter Digital audio signal output to the DSP1
104	SD3/DR2	O	Serial data and DSD serial right channel-2 data output to the HDMI transmitter Digital audio signal output to the DSP1
105	MCLK	O	Audio master clock signal output to the HDMI transmitter
106	SPDIF/DL2	O	Serial data and DSD serial left channel-2 data output to the HDMI transmitter S/PDIF audio signal output to the digital audio interface receiver and DSP1
107	GPIO3/MUTEOUT	O	Audio muting request signal output to the main system controller, DSP1, DSP2 and muting circuit
108	AVCC33	-	Power supply terminal (+3.3V)
109	R0XC–	I	TMDS clock (negative) signal input from the HDMI IN 6 (VIDEO 2) connector
110	R0XC+	I	TMDS clock (positive) signal input from the HDMI IN 6 (VIDEO 2) connector
111	R0X0–	I	TMDS data (negative) input from the HDMI IN 6 (VIDEO 2) connector
112	R0X0+	I	TMDS data (positive) input from the HDMI IN 6 (VIDEO 2) connector
113	R0X1–	I	TMDS data (negative) input from the HDMI IN 6 (VIDEO 2) connector
114	R0X1+	I	TMDS data (positive) input from the HDMI IN 6 (VIDEO 2) connector
115	R0X2–	I	TMDS data (negative) input from the HDMI IN 6 (VIDEO 2) connector
116	R0X2+	I	TMDS data (positive) input from the HDMI IN 6 (VIDEO 2) connector
117	AVCC12	-	Power supply terminal (+1.2V)
118	R1XC–	I	TMDS clock (negative) signal input from the HDMI input selector
119	R1XC+	I	TMDS clock (positive) signal input from the HDMI input selector
120	R1X0–	I	TMDS data (negative) input from the HDMI input selector
121	R1X0+	I	TMDS data (positive) input from the HDMI input selector
122	R1X1–	I	TMDS data (negative) input from the HDMI input selector
123	R1X1+	I	TMDS data (positive) input from the HDMI input selector
124	R1X2–	I	TMDS data (negative) input from the HDMI input selector
125	R1X2+	I	TMDS data (positive) input from the HDMI input selector
126	AVCC33	-	Power supply terminal (+3.3V)
127	R2XC–	I	TMDS clock (negative) signal input from the HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV) connector
128	R2XC+	I	TMDS clock (positive) signal input from the HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV) connector
129	R2X0–	I	TMDS data (negative) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV) connector
130	R2X0+	I	TMDS data (positive) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV) connector
131	R2X1–	I	TMDS data (negative) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV) connector
132	R2X1+	I	TMDS data (positive) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV) connector

Pin No.	Pin Name	I/O	Description
133	R2X2–	I	TMDS data (negative) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV) connector
134	R2X2+	I	TMDS data (positive) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV) connector
135	AVCC12	-	Power supply terminal (+1.2V)
136	R3XC–	I	TMDS clock (negative) signal input from the HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME) connector
137	R3XC+	I	TMDS clock (positive) signal input from the HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME) connector
138	R3X0–	I	TMDS data (negative) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME) connector
139	R3X0+	I	TMDS data (positive) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME) connector
140	R3X1–	I	TMDS data (negative) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME) connector
141	R3X1+	I	TMDS data (positive) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME) connector
142	R3X2–	I	TMDS data (negative) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME) connector
143	R3X2+	I	TMDS data (positive) input from the HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME) connector
144	AVCC33	-	Power supply terminal (+3.3V)

D-VIDEO BOARD IC3513 SII9134CTU (HDMI TRANSMITTER)

Pin No.	Pin Name	I/O	Description
1	DE	I	Data enable signal input from the HDMI output selector
2	HSYNC	I	Horizontal sync signal input from the HDMI output selector
3	VSYNC	I	Vertical sync signal input from the HDMI output selector
4	SPDIF	I	S/PDIF audio signal input from the HDMI receiver
5	MCLK	I	Audio master clock signal input from the HDMI receiver
6 to 9	SD3 to SD0	I	Serial data input from the HDMI receiver
10	WS	I	Word select signal input from the HDMI receiver
11	SCK	I	Serial data transfer clock signal input from the HDMI receiver
12	CVCC18	-	Power supply terminal (+1.8V)
13	GND	-	Ground terminal
14	IOVCC33	-	Power supply terminal (+3.3V)
15	DCLK	I	Data clock signal input from the HDMI receiver
16	DR0	I	DSD serial right channel-0 data input from the HDMI receiver
17	DL0	I	DSD serial left channel-0 data input from the HDMI receiver
18	DR1	I	DSD serial right channel-1 data input from the HDMI receiver
19	DL1	I	DSD serial left channel-1 data input from the HDMI receiver
20	DR2	I	DSD serial right channel-2 data input from the HDMI receiver
21	DL2	I	DSD serial left channel-2 data input from the HDMI receiver
22	DR3	I	Not used
23	DL3	I	Not used
24	INT	O	Interrupt signal output to the main system controller
25	RESET#	I	Reset signal input from the main system controller “L”: reset
26	AGND	-	Ground terminal
27	EXT_SWG	-	Not used
28	PVCC1	-	Power supply terminal (+1.8V)
29	AGND	-	Ground terminal
30	TXC–	O	TMDS clock (negative) output to the HDMI OUT A ARC connector
31	TXC+	O	TMDS clock (positive) output to the HDMI OUT A ARC connector
32	AVCC18	-	Power supply terminal (+1.8V)
33	TX0–	O	TMDS data (negative) output to the HDMI OUT A ARC connector
34	TX0+	O	TMDS data (positive) output to the HDMI OUT A ARC connector
35	AGND	-	Ground terminal
36	TX1–	O	TMDS data (negative) output to the HDMI OUT A ARC connector
37	TX1+	O	TMDS data (positive) output to the HDMI OUT A ARC connector
38	AVCC18	-	Power supply terminal (+1.8V)
39	TX2–	O	TMDS data (negative) output to the HDMI OUT A ARC connector
40	TX2+	O	TMDS data (positive) output to the HDMI OUT A ARC connector
41	AGND	-	Ground terminal
42	PVCC2	-	Power supply terminal (+1.8V)
43	AGND	-	Ground terminal
44	AVCC33	-	Power supply terminal (+3.3V)
45	DCCPWR5V	I	Power supply voltage (+5V) input terminal
46	DSCL	O	I2C serial data transfer clock signal output to the HDMI OUT A ARC connector
47	DSDA	I/O	I2C serial data bus with the HDMI OUT A ARC connector
48	CSCL	I	I2C serial data transfer clock signal input from the main system controller
49	CSDA	I/O	Two-way I2C serial data bus with the HDMI receiver, D/A converter (for video section) and main system controller
50	CI2CA	-	Not used
51	HPD	I	Hot plug detection signal input from the HDMI OUT A ARC connector
52	TMODE	-	Not used
53	IOVCC33	-	Power supply terminal (+3.3V)
54	GND	-	Ground terminal
55	VPP18	-	Power supply terminal (+1.8V)
56 to 63	D35 to D28	I	Digital video signal input from HDMI output selector
64	CVCC18	-	Power supply terminal (+1.8V)
65	GND	-	Ground terminal
66	IOVCC33	-	Power supply terminal (+3.3V)
67 to 75	D27 to D19	I	Digital video signal input from HDMI output selector

Pin No.	Pin Name	I/O	Description
76	CVCC18	-	Power supply terminal (+1.8V)
77 to 86	D18 to D9	I	Digital video signal input from HDMI output selector
87	GND	-	Ground terminal
88	IDCK	I	Output data clock signal input from the HDMI output selector
89	IOVCC33	-	Power supply terminal (+3.3V)
90 to 98	D8 to D0	I	Digital video signal input from HDMI output selector
99	CVCC18	-	Power supply terminal (+1.8V)
100	GND	-	Ground terminal

D-VIDEO BOARD IC3514 SII9134CTU (HDMI TRANSMITTER)

Pin No.	Pin Name	I/O	Description
1	DE	I	Data enable signal input from the HDMI output selector
2	HSYNC	I	Horizontal sync signal input from the HDMI output selector
3	VSYNC	I	Vertical sync signal input from the HDMI output selector
4	SPDIF	I	S/PDIF audio signal input from the HDMI receiver
5	MCLK	I	Audio master clock signal input from the HDMI receiver
6 to 9	SD3 to SD0	I	Serial data input from the HDMI receiver
10	WS	I	Word select signal input from the HDMI receiver
11	SCK	I	Serial data transfer clock signal input from the HDMI receiver
12	CVCC18	-	Power supply terminal (+1.8V)
13	GND	-	Ground terminal
14	IOVCC33	-	Power supply terminal (+3.3V)
15	DCLK	I	Data clock signal input from the HDMI receiver
16	DR0	I	DSD serial right channel-0 data input from the HDMI receiver
17	DL0	I	DSD serial left channel-0 data input from the HDMI receiver
18	DR1	I	DSD serial right channel-1 data input from the HDMI receiver
19	DL1	I	DSD serial left channel-1 data input from the HDMI receiver
20	DR2	I	DSD serial right channel-2 data input from the HDMI receiver
21	DL2	I	DSD serial left channel-2 data input from the HDMI receiver
22	DR3	I	Not used
23	DL3	I	Not used
24	INT	O	Interrupt signal output to the main system controller
25	RESET#	I	Reset signal input from the main system controller “L”: reset
26	AGND	-	Ground terminal
27	EXT_SWG	-	Not used
28	PVCC1	-	Power supply terminal (+1.8V)
29	AGND	-	Ground terminal
30	TXC–	O	TMDS clock (negative) output to the HDMI OUT B connector
31	TXC+	O	TMDS clock (positive) output to the HDMI OUT B connector
32	AVCC18	-	Power supply terminal (+1.8V)
33	TX0–	O	TMDS data (negative) output to the HDMI OUT B connector
34	TX0+	O	TMDS data (positive) output to the HDMI OUT B connector
35	AGND	-	Ground terminal
36	TX1–	O	TMDS data (negative) output to the HDMI OUT B connector
37	TX1+	O	TMDS data (positive) output to the HDMI OUT B connector
38	AVCC18	-	Power supply terminal (+1.8V)
39	TX2–	O	TMDS data (negative) output to the HDMI OUT B connector
40	TX2+	O	TMDS data (positive) output to the HDMI OUT B connector
41	AGND	-	Ground terminal
42	PVCC2	-	Power supply terminal (+1.8V)
43	AGND	-	Ground terminal
44	AVCC33	-	Power supply terminal (+3.3V)
45	DCCPWR5V	I	Power supply voltage (+5V) input terminal
46	DSCL	O	I2C serial data transfer clock signal output to the HDMI OUT B connector
47	DSDA	I/O	I2C serial data bus with the HDMI OUT B connector
48	CSCL	I	I2C serial data transfer clock signal input from the main system controller
49	CSDA	I/O	Two-way I2C serial data bus with the HDMI receiver, D/A converter (for video section) and main system controller
50	CI2CA	-	Not used
51	HPD	I	Hot plug detection signal input from the HDMI OUT B connector
52	TMODE	-	Not used
53	IOVCC33	-	Power supply terminal (+3.3V)
54	GND	-	Ground terminal
55	VPP18	-	Power supply terminal (+1.8V)
56 to 63	D35 to D28	I	Digital video signal input from HDMI output selector
64	CVCC18	-	Power supply terminal (+1.8V)
65	GND	-	Ground terminal
66	IOVCC33	-	Power supply terminal (+3.3V)
67 to 75	D27 to D19	I	Digital video signal input from HDMI output selector

Pin No.	Pin Name	I/O	Description
76	CVCC18	-	Power supply terminal (+1.8V)
77 to 86	D18 to D9	I	Digital video signal input from HDMI output selector
87	GND	-	Ground terminal
88	IDCK	I	Output data clock signal input from the HDMI output selector
89	IOVCC33	-	Power supply terminal (+3.3V)
90 to 98	D8 to D0	I	Digital video signal input from HDMI output selector
99	CVCC18	-	Power supply terminal (+1.8V)
100	GND	-	Ground terminal

D-VIDEO BOARD IC3601 FLI8638-LF-BC (VIDEO PROCESSOR)

Pin No.	Pin Name	I/O	Description
A1	NC	-	Not used
A2	MSTR1_SDA	O	Power detection signal output terminal Not used
A3	MSTR1_SCL	O	Busy signal output to the main system controller
A4, A5	FSDATA1, FSDATA3	I/O	Two-way data bus with the SD-RAM
A6	FSDQM0	O	Data mask signal output to the SD-RAM (upper byte)
A7 to A10	FSDATA5, FSDATA7, FSDATA9, FSDATA11	I/O	Two-way data bus with the SD-RAM
A11	FSDQM1	O	Data mask signal output to the SD-RAM (lower byte)
A12, A13	FSDATA13, FSDATA15	I/O	Two-way data bus with the SD-RAM
A14	VDDA18_DLL	-	Power supply terminal (+1.8V)
A15, A16	FSDATA17, FSDATA19	I/O	Two-way data bus with the SD-RAM
A17	FSDQS2	O	Data strobe signal output to the SD-RAM (upper byte)
A18 to A21	FSDATA21, FSDATA23, FSDATA25, FSDATA27	I/O	Two-way data bus with the SD-RAM
A22	FSDQS3	O	Data strobe signal output to the SD-RAM (lower byte)
A23, A24	FSDATA29, FSDATA31	I/O	Two-way data bus with the SD-RAM
A25, A26	RPLL_AGND	-	Ground terminal
B1	BDATA0	I	Digital video signal input from the HDMI receiver
B2	OCM_UDO_1	O	Serial data output to the main system controller
B3	OCM_UDI_1	I	Serial data input from the main system controller
B4, B5	FSDATA0, FSDATA2	I/O	Two-way data bus with the SD-RAM
B6	FSDQS0	O	Data strobe signal output to the SD-RAM (upper byte)
B7 to B10	FSDATA4, FSDATA6, FSDATA8, FSDATA10	I/O	Two-way data bus with the SD-RAM
B11	FSDQS1	O	Data strobe signal output to the SD-RAM (lower byte)
B12, B13	FSDATA12, FSDATA14	I/O	Two-way data bus with the SD-RAM
B14	VSSA18_DLL	-	Ground terminal
B15, B16	FSDATA16, FSDATA18	I/O	Two-way data bus with the SD-RAM
B17	FSDQM2	O	Data mask signal output to the SD-RAM (upper byte)
B18 to B21	FSDATA20, FSDATA22, FSDATA24, FSDATA26	I/O	Two-way data bus with the SD-RAM
B22	FSDQM3	O	Data mask signal output to the SD-RAM (lower byte)
B23, B24	FSDATA28, FSDATA30	I/O	Two-way data bus with the SD-RAM
B25	RPLL_DGND	-	Ground terminal
B26	XTAL	O	System clock output terminal (19.6608 MHz)
C1 to C3	BDATA3 to BDATA1	I	Digital video signal input from the HDMI receiver
C4	FSCKE	O	Clock enable signal output to the SD-RAM
C5	FSCLKN	O	Clock signal (negative) output to the SD-RAM
C6 to C8	FSADDR8 to FSADDR6	O	Address signal output to the SD-RAM
C9	FSVREF	O	Reference voltage output to the SD-RAM
C10 to C18	FSADDR5, FSADDR12, FSADDR9, FSADDR4, FSADDR11, FSADDR3 to FSADDR0	O	Address signal output to the SD-RAM
C19	FSVREF	O	Reference voltage output to the SD-RAM
C20, C21	FSBKSEL1, FSBKSEL0	O	Bank select signal output to the SD-RAM
C22	FSCS1	O	Chip select signal output terminal Not used
C23	FSWE	O	Write enable signal output to the SD-RAM
C24	FSRAS	O	Row address strobe signal output to the SD-RAM
C25	RPLL_1.8V	-	Power supply terminal (+1.8V)
C26	TCLK	I	System clock input terminal (19.6608 MHz)
D1	BDATA6	I	Digital video signal input terminal Not used
D2, D3	BDATA5, BDATA4	I	Digital video signal input from the HDMI receiver
D4	DDR_2.5V	-	Power supply terminal (+2.5V)
D5	FSCLKP	O	Clock signal (positive) output to the SD-RAM
D6 to D8	DDR_2.5V	-	Power supply terminal (+2.5V)
D9	FSVREFVSS	-	Ground terminal

Pin No.	Pin Name	I/O	Description
D10 to D15	DDR_2.5V	-	Power supply terminal (+2.5V)
D16	FSADDR10	O	Address signal output to the SD-RAM
D17, D18	DDR_2.5V	-	Power supply terminal (+2.5V)
D19	FSVREFVSS	-	Ground terminal
D20	DDR_2.5V	-	Power supply terminal (+2.5V)
D21	FSCS0	O	Chip select signal output to the SD-RAM
D22, D23	DDR_2.5V	-	Power supply terminal (+2.5V)
D24	FSCAS	O	Column address strobe signal output to the SD-RAM
D25	NC	-	Not used
D26	RPLL_3.3V	-	Power supply terminal (+3.3V)
E1 to E3	BDATA9 to BDATA7	I	Digital video signal input terminal Not used
E4	IO_3.3V	-	Power supply terminal (+3.3V)
E23, E24	PD22, PD23	O	Digital video signal output to the HDMI output selector and D/A converter (for video section)
E25	LVDS_GND	-	Ground terminal
E26	LVDS_3.3V	-	Power supply terminal (+3.3V)
F1 to F3	BDATA12 to BDATA10	I	Digital video signal input terminal Not used
F4	IO_3.3V	-	Power supply terminal (+3.3V)
F23 to F26	PD18 to PD21	O	Digital video signal output to the HDMI output selector and D/A converter (for video section)
G1 to G3	BDATA15 to BDATA13	I	Digital video signal input terminal Not used
G4	IO_3.3V	-	Power supply terminal (+3.3V)
G23 to G26	PD14 to PD17	O	Digital video signal output to the HDMI output selector and D/A converter (for video section)
H1 to H3	BDATA18 to BDATA16	I	Digital video signal input terminal Not used
H4	IO_3.3V	-	Power supply terminal (+3.3V)
H23	LVDS_PLL_GND	-	Ground terminal
H24	LVDS_PLL_3.3V	-	Power supply terminal (+3.3V)
H25	LVDS_GND	-	Ground terminal
H26	LVDS_3.3V	-	Power supply terminal (+3.3V)
J1 to J3	BDATA21 to BDATA19	I	Digital video signal input terminal Not used
J4	IO_3.3V	-	Power supply terminal (+3.3V)
J23, J24	PD12, PD13	O	Digital video signal output to the HDMI output selector and D/A converter (for video section)
J25	LVDS_GND	-	Ground terminal
J26	LVDS_3.3V	-	Power supply terminal (+3.3V)
K1	BHREF_DE	I	Blanking period signal input terminal Not used
K2, K3	BDATA23, BDATA22	I	Digital video signal input terminal Not used
K4	IO_3.3V	-	Power supply terminal (+3.3V)
K10, K11	CORE_1.8V	-	Power supply terminal (+1.8V)
K12 to K15	D_GND	-	Ground terminal
K16, K17	CORE_1.8V	-	Power supply terminal (+1.8V)
K23 to K26	PD8 to PD11	O	Digital video signal output to the HDMI output selector and D/A converter (for video section)
L1	IPCLK3	I	Clock signal input terminal Not used
L2	BVS	I	Vertical sync signal input terminal Not used
L3	BHS	I	Horizontal sync signal input terminal Not used
L4	IO_3.3V	-	Power supply terminal (+3.3V)
L10	D_GND	-	Ground terminal
L11	CORE_1.8V	-	Power supply terminal (+1.8V)
L12 to L15	D_GND	-	Ground terminal
L16	CORE_1.8V	-	Power supply terminal (+1.8V)
L17	D_GND	-	Ground terminal
L23 to L26	PD4 to PD7	O	Digital video signal output to the HDMI output selector
M1	DIP_CLEAN_HS_OUT	O	Horizontal sync signal output terminal Not used
M2	DIP_EXT_CLAMP	-	Not used
M3	DIP_EXT_COAST	-	Not used
M4	IPCLK2	I	Clock signal input terminal Not used
M10 to M17	D_GND	-	Ground terminal
M23	IO_3.3V	-	Power supply terminal (+3.3V)
M24, M25	LVDS_GND	-	Ground terminal
M26	LVDS_3.3V	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
N1	IPCLK0	I	Clock signal input terminal Not used
N2	DIP_RAW_HS_CS	-	Not used
N3	DIP_AODD	-	Not used
N4	DIP_BODD	-	Not used
N10 to N17	D_GND	-	Ground terminal
N23 to N26	PD0 to PD3	O	Digital video signal output to the HDMI output selector
P1 to P3	ADATA2 to ADATA0	I	Digital video signal input from the HDMI receiver
P4	IPCLK1	I	Output data clock signal input from the HDMI receiver
P10 to P17	D_GND	-	Ground terminal
P23	IO_3.3V	-	Power supply terminal (+3.3V)
P24	DCLK	O	Output data clock signal output to the HDMI output selector and D/A converter (for video section)
P25	DHS	O	Horizontal sync signal output to the HDMI output selector and D/A converter (for video section)
P26	DEN	O	Data enable signal output to the HDMI output selector and D/A converter (for video section)
R1 to R4	ADATA6 to ADATA3	I	Digital video signal input from the HDMI receiver
R10 to R17	D_GND	-	Ground terminal
R23	JTAG_BS_TDI	O	Digital video signal output to the HDMI output selector
R24	JTAG_BS_RST	O	Digital video signal output to the HDMI output selector
R25	JTAG_BS_TCK	O	Digital video signal output to the HDMI output selector
R26	DVS	O	Vertical sync signal output to the HDMI output selector and D/A converter (for video section)
T1 to T4	ADATA10 to ADATA7	I	Digital video signal input from the HDMI receiver
T10	D_GND	-	Ground terminal
T11	CORE_1.8V	-	Power supply terminal (+1.8V)
T12 to T15	D_GND	-	Ground terminal
T16, T17	CORE_1.8V	-	Power supply terminal (+1.8V)
T23	IO_3.3V	-	Power supply terminal (+3.3V)
T24	JTAG_BS_TMS	O	Digital video signal output to the HDMI output selector
T25	JTAG_BS_TDO	O	Digital video signal output to the HDMI output selector
T26	GPIO_44	O	Digital video signal output to the HDMI output selector
U1 to U4	ADATA14 to ADATA11	I	Digital video signal input from the HDMI receiver
U10, U11	CORE_1.8V	-	Power supply terminal (+1.8V)
U12 to U15	D_GND	-	Ground terminal
U16, U17	CORE_1.8V	-	Power supply terminal (+1.8V)
U23, U24	PWM1, PWM2	-	Not used
U25	PPWR	-	Not used
U26	PBIAS	-	Not used
V1 to V4	ADATA18 to ADATA15	I	Digital video signal input from the HDMI receiver
V23	IO_3.3V	-	Power supply terminal (+3.3V)
V24	PWM0	-	Not used
V25	SLAVE_SDA	-	Not used
V26	SLAVE_SCL	-	Not used
W1 to W4	ADATA22 to ADATA19	I	Digital video signal input from the HDMI receiver
W23	OCM_INT1	-	Not used
W24	OCM_TIMER1	-	Not used
W25	OCM_UDI_0	I	Update signal input from the connector (for RS232C) and audio/video signal decoder
W26	ODM_UDO_0	O	Update signal output to the connector (for RS232C) and audio/video signal decoder
Y1	AVS	I	Vertical sync signal input from the HDMI receiver
Y2	AHS	I	Horizontal sync signal input from the HDMI receiver
Y3	AHREF_DE	I	Data enable signal input from the HDMI receiver
Y4	ADATA23	I	Digital video signal input from the HDMI receiver
Y23	IO_3.3V	-	Power supply terminal (+3.3V)
Y24	OCM_INT2	-	Not used
Y25	VGA1_SDA	-	Not used
Y26	VGA1_SCL	-	Not used
AA1	NC	-	Not used

Pin No.	Pin Name	I/O	Description
AA2 to AA4	DGND_ADC	-	Ground terminal
AA23	MSTR0_SDA	I/O	Two-way serial data bus with the EEPROM
AA24	MSTR0_SCL	O	Serial data transfer clock signal output to the EEPROM
AA25	VGA0_SDA	-	Not used
AA26	VGA0_SCL	-	Not used
AB1	A1P	I	Component video signal input from the video input selector
AB2	SV1P	I	Component video signal input from the video input selector
AB3	AGND_ADC	-	Ground terminal
AB4	ADC_1.8V	-	Power supply terminal (+1.8V)
AB23	IO_3.3V	-	Power supply terminal (+3.3V)
AB24	IRO	-	Not used
AB25	MSTR2_SDA	I/O	Not used
AB26	MSTR2_SCL	O	Not used
AC1	C1P	I	Component video signal input from the video input selector
AC2	B1P	I	Component video signal input from the video input selector
AC3	AGND_ADC	-	Ground terminal
AC4, AC5	ADC_1.8V	-	Power supply terminal (+1.8V)
AC6	AGND_ADC	-	Ground terminal
AC7	VOUT2	-	Not used
AC8	AGND_ADC	-	Ground terminal
AC9	LBADC_3.3V	-	Power supply terminal (+3.3V)
AC10	LBADC_IN4	-	Not used
AC11	LBADC_GND	-	Ground terminal
AC12	AVSIN_DATA	-	Not used
AC13	EXTOSD_HS	-	Not used
AC14	IO_3.3V	-	Power supply terminal (+3.3V)
AC15	OCMADDR18	O	Address signal output to the flash memory
AC16	IO_3.3V	-	Power supply terminal (+3.3V)
AC17	OCMADDR11	O	Address signal output to the flash memory
AC18	IO_3.3V	-	Power supply terminal (+3.3V)
AC19	OCMADDR4	O	Address signal output to the flash memory
AC20	IO_3.3V	-	Power supply terminal (+3.3V)
AC21	OCMDATA13	I/O	Two-way data bus with the flash memory
AC22	IO_3.3V	-	Power supply terminal (+3.3V)
AC23	OCMDATA6	I/O	Two-way data bus with the flash memory
AC24	OCM_CS2N	O	Chip select signal output terminal Not used
AC25	OCN_RE_N	O	Read enable signal output to the flash memory
AC26	OCN_WE_N	O	Write enable signal output to the flash memory
AD1	AN	-	Not used
AD2	AGND_ADC	-	Ground terminal
AD3 to AD5	ADC1_3.3V	-	Power supply terminal (+3.3V)
AD6, AD7	ADC2_3.3V	-	Power supply terminal (+3.3V)
AD8	AGND_ADC	-	Ground terminal
AD9	RESET	I	Reset signal input from the main system controller "L": reset
AD10	LBADC_IN3	-	Not used
AD11	LBADC_RETURN	-	Not used
AD12	AVSIN_WORDSEL	-	Not used
AD13	EXTOSD_VS	-	Not used
AD14	AVSOUT_DATA	-	Not used
AD15 to AD20	OCMADDR19, OCMADDR15, OCMADDR12, OCMADDR8, OCMADDR5, OCMADDR1	O	Address signal output to the flash memory
AD21 to AD23	OCMDATA14, OCMDATA10, OCMDATA7	I/O	Two-way data bus with the flash memory
AD24	ROM_CS_N	O	Chip enable signal output to the flash memory

Pin No.	Pin Name	I/O	Description
AD25, AD26	OCM_CS0N, OCM_CS1N	O	Chip select signal output terminal Not used
AE1	SV2P	-	Not used
AE2	B2P	I	Component video signal input from the video amplifier
AE3	AGND_ADC	-	Ground terminal
AE4	SV3P	-	Not used
AE5	B3P	I	Video signal input terminal Not used
AE6	AGND_ADC	-	Ground terminal
AE7	SV4P	-	Not used
AE8	BN2	-	Not used
AE9	AGND_ADC	-	Ground terminal
AE10, AE11	LBADC_IN2, LBADC_IN6	-	Not used
AE12	AIP_RAW_VS	-	Not used
AE13	AVSOUT_SCL	-	Not used
AE14	AVSOUT_WORDSEL	-	Not used
AE15 to AE20	OCMADDR20, OCMADDR16, OCMADDR13, OCMADDR9, OCMADDR6, OCMADDR2	O	Address signal output to the flash memory
AE21 to AE26	OCMDATA15, OCMDATA11, OCMDATA8, OCMDATA2 to OCMDATA0	I/O	Two-way data bus with the flash memory
AF1	A2P	I	Component video signal input from the video amplifier
AF2	C2P	I	Component video signal input from the video amplifier
AF3	BN	-	Not used
AF4	A3P	I	Composite video signal input from video input selector
AF5	C3P	I	Composite video signal input from video input selector
AF6	CN	-	Not used
AF7	AN2	-	Not used
AF8	CN2	-	Not used
AF9	SVN	-	Not used
AF10	LBADC_IN1	I	Wake-up signal input from the main system controller
AF11	LBADC_IN5	-	Not used
AF12	AIP_RAW_HS_CS	-	Not used
AF13	EXTOSD_CLK	-	Not used
AF14	AVSIN_SCL	-	Not used
AF15 to AF20	OCMADDR21, OCMADDR17, OCMADDR14, OCMADDR10, OCMADDR7, OCMADDR3	O	Address signal output to the flash memory
AF21	OCMADDR0	O	Address signal output terminal Not used
AF22 to AF26	OCMDATA12, OCMDATA9 OCMDATA5 to OCMDATA3	I/O	Two-way data bus with the flash memory

NETWORK BOARD IC101 CXD9998G-CB (AUDIO/VIDEO SIGNAL DECODER)

Pin No.	Pin Name	I/O	Description
A2	TXVP_0	O	Transmit data (positive) output terminal Not used
A4	TXVN_1	I	Receive data (negative) input terminal Not used
A5	TANA_0	-	Ethernet analog test terminal
A6 to A8	RX2B to RX0B	I	TMDS data (negative) input terminal Not used
A9	RXCKB	I	TMDS clock (negative) signal input terminal Not used
A12	AOBCK	O	Bit clock signal output to the D/A converter (for network audio section) and DSP1
A13	NS_XTALI	O	System clock signal output terminal (27 MHz)
A14 to A16	CH2_M to CH0_M	O	TMDS data (negative) output to the HDMI input selector
A17	CLK_M	O	TMDS clock (negative) signal output to the HDMI input selector
A18	EXT_CAP	-	External capacitor connection terminal Not used
A19	VDACG_OUT	O	Component video signal output to the video amplifier
A21, A22	VDIN26, VDIN24	I/O	Not used
A24 to A28	VDIN15, VDIN13, VDIN11, VDIN9, VDIN7	I/O	Not used
B3	TXVN_0	I	Receive data (positive) input terminal Not used
B4	TXVP_1	O	Transmit data (negative) output terminal Not used
B5	TANA_1	-	Ethernet analog test terminal
B6 to B8	RX2 to RX0	I	TMDS data (positive) input terminal Not used
B9	RXCK	I	TMDS clock (positive) signal input terminal Not used
B10	SCL	O	I2C serial data transfer clock signal output terminal Not used
B12	AOLRCK	O	L/R sampling clock signal output to the D/A converter (for network audio section) and DSP1
B13	NS_XTALO	I	System clock signal input terminal (27 MHz)
B14 to B16	CH2_P to CH0_P	O	TMDS data (positive) output to the HDMI input selector
B17	CLK_P	O	TMDS clock (positive) signal output to the HDMI input selector
B18	EXT_RES	-	External resistor connection terminal
B19	VDACB_OUT	O	Component video signal output to the video amplifier
B21, B22	VDIN27, VDIN25	I/O	Not used
B24 to B28	VDIN16, VDIN14, VDIN12, VDIN8, VDIN5	I/O	Not used
C1	FOIN	I	Not used
C2	FOIP	I	Not used
C4	AVSS33_LD	-	Ground terminal
C5	AVDD33_COM	-	Power supply terminal (+3.3V)
C7, C8	VDD33_HDMI_RX	-	Power supply terminal (+3.3V)
C10	SDA	I/O	Two-way I2C serial data bus terminal Not used
C11	AOSDATA0	O	Audio signal output to the DSP1
C12	AOMCLK	O	Master clock signal output to the D/A converter (for network audio section)
C14	TP_PLLG	-	Test terminal
C15	AVDD33_XTAL	-	Power supply terminal (+3.3V)
C17	AVDD33_HDMI_TX	-	Power supply terminal (+3.3V)
C18	VDACR_OUT	O	Component video signal output to the video amplifier
C19	VDACX_OUT	O	Composite video signal output to the video amplifier
C20	VDIN29	I/O	Not used
C21	VDIN31	I/O	Two-way I2C serial data bus with the EEPROM
C22, C23	VDIN20, VDIN18	I/O	Not used
C24	CEC	I/O	HDMI CEC data input/output terminal Not used
C25	HDMISCK	O	I2C serial data transfer clock signal output to the HDMI input selector
C26 to C28	VDIN10, VDIN4, VDIN3	I/O	Not used
D1	FPDOCD	I	Laser power monitor signal input terminal Not used
D3	RSTI	I	Reset signal input terminal Not used
D4	AVDD33_LD	-	Power supply terminal (+3.3V)
D5	AVSS33_COM	-	Ground terminal
D6	REXT	-	External reference resistor connection terminal
D7, D8	VDD12_HDMI_RX	-	Power supply terminal (+1.2V)
D9	GPIO3	O	AC cut detection signal output terminal “H”: AC cut

Pin No.	Pin Name	I/O	Description
D10	AMUTE	O	Audio muting on/off control signal output to the D/A converter (for network audio section) “L”: muting on Error signal output to the DSP1, DSP2 and main system controller “H”: error
D11, D12	AOSDATA1, AOSDATA2	O	Audio signal output to the DSP1
D14	TP_PLLG	-	Test terminal
D15	AVSS33_XTAL	-	Ground terminal
D16	AVDD12_HDMI_TX	-	Power supply terminal (+1.2V)
D17	AVDD33_HDMI_TX	-	Power supply terminal (+3.3V)
D18	FS	-	Full scale adjustment terminal
D19	AVDD33_VDAC_BG	-	Power supply terminal (+3.3V)
D20	VDIN33	I	Serial data input from the main system controller
D21	VDIN30	I/O	Two-way I2C serial data transfer clock signal bus with the EEPROM
D22, D23	VDIN19, VDIN17	I/O	Not used
D24	HDMISD	I/O	Two-way I2C serial data bus with the HDMI input selector
D25	HTPLG	I	Hot plug detection signal input from the HDMI input selector
D26 to D28	VDIN6	I/O	Not used
E1	VWDC2O	O	Laser diode control voltage output terminal Not used
E2	FPDODVD	I	Laser power monitor signal input terminal Not used
E3	VRDCO	O	Laser diode control voltage output terminal Not used
E4	AVDD12_1A	-	Power supply terminal (+1.15V)
E5	AVDD12_COM	-	Power supply terminal (+1.2V)
E6	AVDD12_REC	-	Power supply terminal (+1.2V)
E8	VSS33_HDMI_RX	-	Ground terminal
E9	GPIO1	O	LED drive signal output terminal for MULTI CHANNEL DECODING indicator “H”: LED on
E10	AOSDATA3	O	Audio signal output to the DSP1
E12	MCIN	I	Serial data input terminal Not used
E13	SPDIF	O	SPDIF signal output terminal Not used
E14	AVSS12_27MPLL	-	Ground terminal
E15	AVDD12_27MPLL	-	Power supply terminal (+1.2V)
E16	AVDD12_HDMI_TX	-	Power supply terminal (+1.2V)
E17	AVSS33_HDMI_TX	-	Ground terminal
E18	AVSS33_VDAC_BG	-	Ground terminal
E19	AVDD33_VDAC_X	-	Power supply terminal (+3.3V)
E20	VDIN28	I/O	Not used
E21	VDIN32	O	Serial data output to the main system controller
E22, E23	VDIN22, VDIN21	I/O	Not used
E25	ETRXDV	I	Data valid signal input from the ethernet interface
E26	ETRXER/DDC_SDA	I/O	Two-way I2C serial data bus terminal Not used
E27	VDIN0	I/O	Not used
E28	VDINHSYNC	O	Horizontal sync signal output terminal Not used
F3	VDAC0	-	Not used
F4	VWDC1O	O	Laser diode control voltage output terminal Not used
F5	AVDD33_REC	-	Power supply terminal (+3.3V)
F6	AVSS33_REC	-	Ground terminal
F7	AVSS12_COM	-	Ground terminal
F8	VSS33_HDMI_RX	-	Ground terminal
F9	GPIO0	O	Data selection signal output terminal
F10	AOSDATA4	O	Audio signal output to the D/A converter (for network audio section)
F11	SPMCLK/DIN1	I	Master clock signal or SPDIF signal input terminal Not used
F12	SPLRCK	I	L/R sampling clock signal input terminal Not used
F13	SPDATA	I	Audio signal input terminal Not used
F14	AVSS12_DMPLL	-	Ground terminal
F15	AVDD12_DMPLL	-	Power supply terminal (+1.2V)
F16	AVSS12_HDMI_TX	-	Ground terminal
F17	AVSS33_HDMI_TX	-	Ground terminal
F18	AVDD33_VDAC_R	-	Power supply terminal (+3.3V)
F19	AVSS33_VDAC_X	-	Ground terminal
F21	VDIN34	O	Update signal output to the sub system controller, main system controller and video processor

Pin No.	Pin Name	I/O	Description
F22	VDIN23	O	VBUS power supply on/off control signal output terminal "H": power on
F24	ETTXER/DDC_SCL	O	I2C serial data transfer clock signal output terminal Not used
F25	ETRXD0	I	Digital audio/video signal input from the ethernet interface
F26	ETCRS/HPG_RX	O	Hot plug detection signal output terminal Not used
F27	VDINVSYNC	O	Vertical sync signal output terminal Not used
F28	VDINCLK	O	Video clock signal output terminal Not used
G1	INB	I	Main beam (B) input terminal Not used
G2	INA	I	Main beam (A) input terminal Not used
G3	TRINA	I	Tracking signal (A) input terminal Not used
G4	AUX1	I	Monitoring signal input terminal Not used
G5	VWDC3O	O	Laser diode control voltage output terminal Not used
G6	AGND12_1A	-	Ground terminal
G7	AVSS12_REC	-	Ground terminal
G9	GPIO2	O	Relay drive signal (for main power) output terminal "H": relay on
G11	SPBCK/DIN2	I	Bit clock signal or SPDIF signal input terminal Not used
G14	AVSS12_APLL	-	Ground terminal
G15	AVDD12_APLL	-	Power supply terminal (+1.2V)
G16	AVSS12_HDMI_TX	-	Ground terminal
G17	AVSS33_VDAC_R	-	Ground terminal
G20	VDIN35/LIN	I	Update signal input from the sub system controller, main system controller and video processor
G23	ETTXD0	O	Digital data output to the ethernet interface
G24	ETTXCLK	O	Serial data transfer clock signal output to the ethernet interface
G25	ETRXD3	I	Digital audio/video signal input from the ethernet interface
G26	ETRXCLK	I	Serial data transfer clock signal input from the ethernet interface
G27, G28	ETRXD1, ETRXD2	I	Digital audio/video signal input from the ethernet interface
H1	IND	I	Main beam (D) input terminal Not used
H2	INC	I	Main beam (C) input terminal Not used
H3	TRINC	I	Tracking signal (C) input terminal Not used
H4	TRINB	I	Tracking signal (B) input terminal Not used
H5	TRIND	I	Tracking signal (D) input terminal Not used
H6	FVREF	O	Reference voltage output terminal Not used
H21	DVCC33_IO_STB	-	Power supply terminal (+3.3V)
H22	AVSS33_LDO	-	Ground terminal
H23	ETTXD1	O	Digital data output to the ethernet interface
H24	GPIO8/5V_RX	I	Power supply voltage (+5V) input terminal Not used
H25	ETTXEN	O	Enable signal output to the ethernet interface
H26	ETTXD3	O	Digital data output to the ethernet interface
J3	INH	O	Sub beam (H) input terminal Not used
J4	ING	O	Sub beam (G) input terminal Not used
J5	AVDD33_1A	-	Power supply terminal (+3.3V)
J6	AGND33_1A	-	Ground terminal
J13, J14	DVCC33_IO_5	-	Power supply terminal (+3.3V)
J18, J19	DVCC33_IO_3	-	Power supply terminal (+3.3V)
J21	DVCC33_IO_STB	-	Power supply terminal (+3.3V)
J23	ETTXD2	O	Digital data output to the ethernet interface
J24	AVDD33_LDO	-	Power supply terminal (+3.3V)
J25	UARXD	I	Receive data input terminal
J26	ETMDIO	I/O	Two-way management data bus with the ethernet interface
J27	ETCOL	I	Collision detection signal input from the ethernet interface
J28	ETMDC	O	Management data clock signal output to the ethernet interface
K1	RFIP	I	BD RF signal (positive) input terminal Not used
K2	RFIN	I	BD RF signal (negative) input terminal Not used
K3	INE	O	Sub beam (E) input terminal Not used
K4	INF	O	Sub beam (F) input terminal Not used
K5	HAVC	O	Reference voltage output terminal Not used
K6	V14	O	Reference voltage (+1.4V) output terminal Not used
K10	DGND	-	Ground terminal
K11	DVCC10_K	-	Power supply terminal (+1.1V)

Pin No.	Pin Name	I/O	Description
K12	DGND	-	Ground terminal
K13	DVCC10_K	-	Power supply terminal (+1.1V)
K14	DGND	-	Ground terminal
K15	DVCC10_K	-	Power supply terminal (+1.1V)
K16	DGND	-	Ground terminal
K17	DVCC10_K	-	Power supply terminal (+1.1V)
K18	DGND	-	Ground terminal
K19	DVCC10_K	-	Power supply terminal (+1.1V)
K21	AVDD10_LDO	-	Power supply terminal for internal standby
K23	RESET_	I	Reset signal input from the reset signal generator and main system controller "L": reset
K24	OPWRSB	O	Power control signal output terminal Not used
K25	IR	I	SIRCS signal input terminal Not used
K26	UATXD	O	Transmit data output terminal
L1	RFIP2	I	DVD RF signal (positive) input terminal Not used
L2	RFIN2	I	DVD RF signal (negative) input terminal Not used
L3	FOO	O	Focus servo drive signal output terminal Not used
L4	EQBIAS	O	External bias connection terminal
L5	AVDD12_2A	-	Power supply terminal (+1.15V)
L6	AVDD33_3A	-	Power supply terminal (+3.3V)
L7	AGND33_2	-	Ground terminal
L10	DVCC10_K	-	Power supply terminal (+1.1V)
L11	DGND	-	Ground terminal
L12	DVCC10_K	-	Power supply terminal (+1.1V)
L13	DGND	-	Ground terminal
L14	DVCC10_K	-	Power supply terminal (+1.1V)
L15	DGND	-	Ground terminal
L16	DVCC10_K	-	Power supply terminal (+1.1V)
L17	DGND	-	Ground terminal
L18	DVCC10_K	-	Power supply terminal (+1.1V)
L19	DGND	-	Ground terminal
L21	DGND	-	Ground terminal
L25	VSTB	O	Video muting control signal output terminal Not used
L26	LCDRD	O	Serial data output terminal Not used
L27	RCLK0_B	O	Clock signal (positive) output to the SD-RAM
L28	RCLK0_B_	O	Clock signal (negative) output to the SD-RAM
M3	TLO	O	Tilt servo drive signal output terminal Not used
M4	TRO	O	Tracking servo drive signal output terminal Not used
M5	AGND33_3A	-	Ground terminal
M6	AGND12_2A	-	Ground terminal
M9	DVCC10_K	-	Power supply terminal (+1.1V)
M10 to M18	DGND	-	Ground terminal
M19	DVCC10_K	-	Power supply terminal (+1.1V)
M21	DVCC15_IO_1	-	Power supply terminal (+1.5V)
M23	VDATA	I	Serial data input terminal Not used
M24	VCLK	O	Serial data transfer clock signal output terminal Not used
M25, M26	RDQ5_B, RDQ4_B	I/O	Two-way data bus with the SD-RAM
N1	FEFMO	O	Sled motor drive signal output terminal Not used
N2	FEDMO	O	Spindle motor drive signal output terminal Not used
N3	FEFMO2	O	Sled motor drive signal output terminal Not used
N4	FETRAYPWM	O	Loading motor drive signal output terminal Not used
N5	FEFMO4	O	Stepping motor drive signal output terminal Not used
N6	FEMPXOUT2	O	Monitoring signal output terminal Not used
N8	DVCC33_IO	-	Power supply terminal (+3.3V)
N9	DGND	-	Ground terminal
N10	DVCC10_K	-	Power supply terminal (+1.1V)
N11 to N17	DGND	-	Ground terminal
N18	DVCC10_K	-	Power supply terminal (+1.1V)

Pin No.	Pin Name	I/O	Description
N19	DGND	-	Ground terminal
N21	DGND	-	Ground terminal
N23, N24	RDQ14_B, RDQ15_B	I/O	Two-way data bus with the SD-RAM
N25	DGND	-	Ground terminal
N26 to N28	RDQ12_B, RDQ7_B, RDQ6_B	I/O	Two-way data bus with the SD-RAM
P1	FEFMO3	O	Stepping motor drive signal output terminal Not used
P2, P3	FEMPXOUT1, FEMPXOUT3	O	Monitoring signal output terminal Not used
P4	FEGAINSW2	O	Gain control signal output terminal Not used
P5	FECFREQ	-	Not used
P6	FEGAINSW3	O	Gain control signal output terminal Not used
P8	DVCC33_IO	-	Power supply terminal (+3.3V)
P10	DGND	-	Ground terminal
P11	DVCC10_K	-	Power supply terminal (+1.1V)
P12 to P18	DGND	-	Ground terminal
P19	DVCC10_K	-	Power supply terminal (+1.1V)
P21	DVCC15_IO_1	-	Power supply terminal (+1.5V)
P23, P24	RDQ8_B, RDQ13_B	I/O	Two-way data bus with the SD-RAM
P25	RDQM0_B	O	Data mask signal output to the SD-RAM
P26	DVCC15_IO_1	-	Power supply terminal (+1.5V)
P27	RDQS1_B_	O	Data strobe signal (negative) output to the SD-RAM
P28	RDQS1_B	O	Data strobe signal (positive) output to the SD-RAM
R3	FECMOD	-	Not used
R4	REIC_MUTE1	O	Motor drive muting control signal output terminal Not used
R5	FEOSCEN	-	Not used
R6	REIC_MUTE2	O	Motor drive muting control signal output terminal Not used
R10	DVCC10_K	-	Power supply terminal (+1.1V)
R11 to R17	DGND	-	Ground terminal
R18	DVCC10_K	-	Power supply terminal (+1.1V)
R19	DGND	-	Ground terminal
R21	DGND	-	Ground terminal
R23	RVREF_4	I	Reference voltage (+0.75V) input terminal for SD-RAM
R24	RDQM1_B	O	Data mask signal output to the SD-RAM
R25	DVCC15_IO_1	-	Power supply terminal (+1.5V)
R26	DGND	-	Ground terminal
R27	RDQS0_B	O	Data strobe signal (positive) output to the SD-RAM
R28	RDQS0_B_	O	Data strobe signal (negative) output to the SD-RAM
T1	FEGAINSW1	O	Gain control signal output terminal Not used
T2 to T5	FEGIO2, FEGIO4, FEGIO8, FEGIO13, FEGIO3	-	Not used
T8	DVCC33_IO	-	Power supply terminal (+3.3V)
T10	DGND	-	Ground terminal
T11	DVCC10_K	-	Power supply terminal (+1.1V)
T12 to T18	DGND	-	Ground terminal
T19	DVCC10_K	-	Power supply terminal (+1.1V)
T21	DVCC15_IO_1	-	Power supply terminal (+1.5V)
T23	RDQ11_B	I/O	Two-way data bus with the SD-RAM
T24	RBA1_B	O	Bank address signal output to the SD-RAM
T25 to T28	RDQ0_B, RDQ1_B, RDQ10_B, RDQ9_B	I/O	Two-way data bus with the SD-RAM
U1 to U3	FEGIO5, FEGIO6, FEGIO10	-	Not used
U4	FEEJECT_	I	Disc eject detection signal input terminal Not used
U5, U6	FEGIO11, FEGIO12	-	Not used
U9	DGND	-	Ground terminal
U10	DVCC10_K	-	Power supply terminal (+1.1V)

Pin No.	Pin Name	I/O	Description
U11 to U17	DGND	-	Ground terminal
U18	DVCC10_K	-	Power supply terminal (+1.1V)
U19	DGND	-	Ground terminal
U21	DGND	-	Ground terminal
U23, U24	RA12_B, RA1_B	O	Address signal output to the SD-RAM
U25, U26	RDQ3_B, RDQ2_B	I/O	Two-way data bus with the SD-RAM
V3	FEGIO9	-	Not used
V4	FELIMIT_	I	Sledge inner limit detection signal input terminal Not used
V5	FETRAYOUT_	I	Disc tray in detection signal input terminal Not used
V6	REIC_TRAYIN#	I	Disc tray out detection signal input terminal Not used
V9	DVCC10_K	-	Power supply terminal (+1.1V)
V10	DGND	-	Ground terminal
V11	DVCC10_K	-	Power supply terminal (+1.1V)
V12	DGND	-	Ground terminal
V13	DVCC10_K	-	Power supply terminal (+1.1V)
V14	DGND	-	Ground terminal
V15	DVCC10_K	-	Power supply terminal (+1.1V)
V16	DGND	-	Ground terminal
V17	DVCC10_K	-	Power supply terminal (+1.1V)
V18	DGND	-	Ground terminal
V19	DVCC10_K	-	Power supply terminal (+1.1V)
V21	DVCC15_IO_1	-	Power supply terminal (+1.5V)
V23, V24	RA11_B, RA4_B	O	Address signal output to the SD-RAM
V25	DGND	-	Ground terminal
V26	DVCC15_IO_1	-	Power supply terminal (+1.5V)
V27	RCKE_B	O	Clock enable signal output to the SD-RAM
V28	RA10_B	O	Address signal output to the SD-RAM
W1	STXP	O	Transmit data (positive) output terminal Not used
W2	STXN	O	Transmit data (negative) output terminal Not used
W3	FEGIO7	-	Not used
W4	FEPLAY_	I	Disc play detection signal input terminal Not used
W5	REIC_FG	I	Motor hole sensor signal input terminal Not used
W6	AVSS12_SATA1	-	Ground terminal
W9	DGND	-	Ground terminal
W10	DVCC10_K	-	Power supply terminal (+1.1V)
W11	DGND	-	Ground terminal
W12	DVCC10_K	-	Power supply terminal (+1.1V)
W13	DGND	-	Ground terminal
W14	DVCC10_K	-	Power supply terminal (+1.1V)
W15	DGND	-	Ground terminal
W16	DVCC10_K	-	Power supply terminal (+1.1V)
W17	DGND	-	Ground terminal
W18	DVCC10_K	-	Power supply terminal (+1.1V)
W19	DGND	-	Ground terminal
W21	DGND	-	Ground terminal
W24	RA6_B	O	Address signal output to the SD-RAM
W25	RBA2_B	O	Bank address signal output to the SD-RAM
W26 to W28	RA9_B, RA7_B, RA2_B	O	Address signal output to the SD-RAM
Y1	SRXN	I	Receive data (negative) input terminal Not used
Y2	SRXP	I	Receive data (positive) input terminal Not used
Y3	AVDD12_SATA1	-	Power supply terminal (+1.2V)
Y4	SREXT	-	External reference resistor connection terminal Not used
Y5	AVDD33_SATA	-	Power supply terminal (+3.3V)
Y8	DVCC33_IO_2	-	Power supply terminal (+3.3V)
Y20	DVCC15_IO_1	-	Power supply terminal (+1.5V)
Y24, Y25	RA8_B, RA13_B	O	Address signal output to the SD-RAM
Y26	RRESET_B	O	Reset signal output to the SD-RAM “L”: reset

Pin No.	Pin Name	I/O	Description
AA3, AA4	AVDD33_USB_1P_1, AVDD33_USB_2P_2	-	Power supply terminal (+3.3V)
AA5, AA6	AVSS33_USB_2P_2, AVSS33_USB_1P_1	-	Ground terminal
AA8	DVCC33_IO_2	-	Power supply terminal (+3.3V)
AA11	DVCC15_IO_1	-	Power supply terminal (+1.5V)
AA12	DGND	-	Ground terminal
AA13	DVCC15_IO_1	-	Power supply terminal (+1.5V)
AA14	DGND	-	Ground terminal
AA15	DVCC15_IO_1	-	Power supply terminal (+1.5V)
AA16	DGND	-	Ground terminal
AA17	DVCC15_IO_1	-	Power supply terminal (+1.5V)
AA18	DGND	-	Ground terminal
AA19	DVCC15_IO_1	-	Power supply terminal (+1.5V)
AA20, AA21	RVREF_2, RVREF_3	I	Reference voltage (+0.75V) input terminal for SD-RAM
AA23, AA24	RDQ22_B, RDQ20_B	I/O	Two-way data bus with the SD-RAM
AA25	DVCC15_IO_1	-	Power supply terminal (+1.5V)
AA26	DGND	-	Ground terminal
AA27, AA28	RA3_B, RA5_B	O	Address signal output to the SD-RAM
AB1	USB_1P_DM	I/O	Two-way USB serial data (–) bus terminal Not used
AB2	USB_1P_DP	I/O	Two-way USB serial data (+) bus terminal Not used
AB3	AVDD12_USB_1P_1	-	Power supply terminal (+1.2V)
AB5	AVSS12_USB_2P_1A	-	Ground terminal
AB6	AVSS12_USB_1P_1	-	Ground terminal
AB11	DGND	-	Ground terminal
AB12	RVREF_1	I	Reference voltage (+0.75V) input terminal for SD-RAM
AB23, AB24	RDQ23_B, RDQ21_B	I/O	Two-way data bus with the SD-RAM
AB25	RCS_B_	O	Chip select signal output to the SD-RAM
AB26	RBA0_B	O	Bank address signal output to the SD-RAM
AB27	RCLK1_B	O	Clock signal (positive) output to the SD-RAM
AB28	RCLK1_B_	O	Clock signal (negative) output to the SD-RAM
AC1	USB_2P_DM1	I/O	Two-way USB serial data (–) bus terminal Not used
AC2	USB_2P_DP1	I/O	Two-way USB serial data (+) bus terminal Not used
AC3	USB_1P_VRT	-	External reference resistor connection terminal
AC4	AVDD12_USB_2P_1A	-	Power supply terminal (+1.2V)
AC7	GPIO7	I/O	Not used
AC9	EFPWRQ	-	Not used
AC12	RDQ22	I/O	Two-way data bus with the SD-RAM
AC13	RRAS_	O	Row address strobe signal output to the SD-RAM
AC14	RODT	O	On die termination enable signal output to the SD-RAM
AC15	RBA2	O	Bank address signal output to the SD-RAM
AC16	RRESET	O	Reset signal output to the SD-RAM "L": reset
AC17, AC18	RA6, RA12	O	Address signal output to the SD-RAM
AC20	RDQ10	I/O	Two-way data bus with the SD-RAM
AC22	RDQ4	I/O	Two-way data bus with the SD-RAM
AC23 to AC25	RDQ31_B, RDQ30_B, RDQ28_B	I/O	Two-way data bus with the SD-RAM
AC26	RCAS_B_	O	Column address signal output to the SD-RAM
AD1	USB_2P_DM0	I/O	Two-way USB serial data (–) with the iPhone/iPod connector
AD2	USB_2P_DP0	I/O	Two-way USB serial data (+) with the iPhone/iPod connector
AD3	USB_2P_VRT	-	External reference resistor connection terminal
AD4	NFREN	O	Read enable signal output to the NAND flash
AD5	NFCEN2	O	Chip enable signal output terminal Not used
AD6	GPIO4	O	Jig mode selection signal output terminal
AD7	TCK	I	Test clock signal input terminal (for JTAG)

Pin No.	Pin Name	I/O	Description
AD8	TDI	I	Test data input terminal (for JTAG)
AD9, AD10	RDQM3, RDQM2	O	Data mask signal output to the SD-RAM
AD12	RDQ23	I/O	Two-way data bus with the SD-RAM
AD13	RA0	O	Address signal output to the SD-RAM
AD14	RCAS_	O	Column address signal output to the SD-RAM
AD15 to AD18	RA5, RA13, RA11, RA4	O	Address signal output to the SD-RAM
AD19	RBA1	O	Bank address signal output to the SD-RAM
AD20	RDQ11	I/O	Two-way data bus with the SD-RAM
AD21	RDQM1	O	Data mask signal output to the SD-RAM
AD22	RDQ14	I/O	Two-way data bus with the SD-RAM
AD23	AVSS12_MEMPLL	-	Ground terminal
AD24, AD25	RDQ29_B, RDQ24_B	I/O	Two-way data bus with the SD-RAM
AD26	RDQM2_B	O	Data mask signal output to the SD-RAM
AD27	RODT_B	O	On die termination enable signal output to the SD-RAM
AD28	RRAS_B	O	Row address signal output to the SD-RAM
AE1, AE2	NFD7, NFD6	I/O	Two-way data bus with the NAND flash
AE3	NFRBN	O	Ready/busy selection signal output to the NAND flash “L”: busy, “H”: ready
AE4	NFRBN2	O	Ready/busy selection signal output terminal Not used
AE5	GPIO6	O	Writing end flag signal output to the sub system controller “H”: end
AE6	GPIO5	I	Jig mode selection signal input from the main system controller “L”: USB writing mode, “H”: normal mode
AE7	TMS	I	Test mode selection signal input terminal (for JTAG)
AE8, AE9	RDQ24, RDQ26	I/O	Two-way data bus with the SD-RAM
AE10	DVCC15_IO_1	-	Power supply terminal (+1.5V)
AE11, AE12	RDQ31, RDQ21	I/O	Two-way data bus with the SD-RAM
AE13	RWE_	O	Write enable signal output to the SD-RAM
AE14	DGND	-	Ground terminal
AE15	RCS_	O	Chip select signal output to the SD-RAM
AE16	RA7	O	Address signal output to the SD-RAM
AE17	DVCC15_IO_1	-	Power supply terminal (+1.5V)
AE18	RDQ2	I/O	Two-way data bus with the SD-RAM
AE19	RA1	O	Address signal output to the SD-RAM
AE20	DGND	-	Ground terminal
AE21	RDQM0	O	Data mask signal output to the SD-RAM
AE22	RDQ12	I/O	Two-way data bus with the SD-RAM
AE23	AVDD12_MEMPLL	-	Power supply terminal (+1.2V)
AE24	TP_MEMPLL	-	Test terminal
AE25	RDQ25_B	I/O	Two-way data bus with the SD-RAM
AE26	RDQM3_B	O	Data mask signal output to the SD-RAM
AE27	RA0_B	O	Address signal output to the SD-RAM
AE28	RWE_B_	O	Write enable signal output to the SD-RAM
AF1 to AF3	NFD5, NFD4, NFD2	I/O	Two-way data bus with the NAND flash
AF4	NFALE	O	Address latch enable signal output to the NAND flash
AF5	SFCK	O	Serial data transfer clock signal output terminal Not used
AF6	TDO	O	Test data output terminal (for JTAG)
AF7	TRST_	I	Test reset signal input terminal (for JTAG)
AF8, AF9	RDQ25, RDQ27	I/O	Two-way data bus with the SD-RAM
AF10	DGND	-	Ground terminal
AF11, AF12	RDQ30, RDQ20	I/O	Two-way data bus with the SD-RAM
AF13, AF14	DVCC15_IO_1	-	Power supply terminal (+1.5V)
AF15, AF16	RA9, RA2	O	Address signal output to the SD-RAM
AF17	DGND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
AF18, AF19	RDQ1, RDQ3	I/O	Two-way data bus with the SD-RAM
AF20	DVCC15_IO_1	-	Power supply terminal (+1.5V)
AF21 to AF23	RDQ15, RDQ6, RDQ5	I/O	Two-way data bus with the SD-RAM
AF24	TN_MEMPLL	-	Test terminal
AF25	RDQ16_B	I/O	Two-way data bus with the SD-RAM
AF26	DGND	-	Ground terminal
AF27	RDQS3_B_	O	Data strobe signal (negative) output to the SD-RAM
AF28	RDQS3_B	O	Data strobe signal (positive) output to the SD-RAM
AG1, AG2	NFD3, NFD0	I/O	Two-way data bus with the NAND flash
AG3	NFCLE	O	Command latch enable signal output to the NAND flash
AG4	NFWEN	O	Write enable signal output to the NAND flash
AG5	SFDI	O	LPF selection signal output terminal Not used
AG7, AG8	RDQ16, RDQ19	I/O	Two-way data bus with the SD-RAM
AG9	RDQS2	O	Data strobe signal (positive) output to the SD-RAM
AG10	RDQS3_	O	Data strobe signal (negative) output to the SD-RAM
AG11	RDQ29	I/O	Two-way data bus with the SD-RAM
AG13	RCLK1	O	Clock signal (positive) output to the SD-RAM
AG14	RBA0	O	Bank address signal output to the SD-RAM
AG16	RCKE	O	Clock enable signal output to the SD-RAM
AG17, AG19	RDQ0, RDQ9	I/O	Two-way data bus with the SD-RAM
AG20	RDQS0	O	Data strobe signal (positive) output to the SD-RAM
AG21	RDQS1_	O	Data strobe signal (negative) output to the SD-RAM
AG22	RDQ7	I/O	Two-way data bus with the SD-RAM
AG24	RCLK0	O	Clock signal (positive) output to the SD-RAM
AG25	RDQ17_B	I/O	Two-way data bus with the SD-RAM
AG26	DVCC15_IO_1	-	Power supply terminal (+1.5V)
AG27	RDQS2_B	O	Data strobe signal (positive) output to the SD-RAM
AG28	RDQS2_B_	O	Data strobe signal (negative) output to the SD-RAM
AH1	NFD1	I/O	Two-way data bus with the NAND flash
AH2	NFCEN	O	Chip enable signal output to the NAND flash
AH4	SFDO	O	Serial data output terminal Not used
AH5	SFCS	O	Chip select signal output terminal Not used
AH7, AH8	RDQ17, RDQ18	I/O	Two-way data bus with the SD-RAM
AH9	RDQS2_	O	Data strobe signal (negative) output to the SD-RAM
AH10	RDQS3	O	Data strobe signal (positive) output to the SD-RAM
AH11	RDQ28	I/O	Two-way data bus with the SD-RAM
AH13	RCLK1_	O	Clock signal (negative) output to the SD-RAM
AH14	RA3	O	Address signal output to the SD-RAM
AH16, AH17	RA8, RA10	O	Address signal output to the SD-RAM
AH19	RDQ8	I/O	Two-way data bus with the SD-RAM
AH20	RDQS0_	O	Data strobe signal (negative) output to the SD-RAM
AH21	RDQS1	O	Data strobe signal (positive) output to the SD-RAM
AH22	RDQ13	I/O	Two-way data bus with the SD-RAM
AH24	RCLK0_	O	Clock signal (negative) output to the SD-RAM
AH25 to AH28	RDQ18_B, RDQ19_B, RDQ26_B, RDQ27_B	I/O	Two-way data bus with the SD-RAM

NETWORK BOARD IC2501 IP175DLF (ETHERNET INTERFACE)

Pin No.	Pin Name	I/O	Description
1	AVCC	-	Power supply terminal (+1.8V)
2	NC	I	Not used
3, 4	TXOP0, TXOM0	O	Digital data output terminal Not used
5	AGND	-	Ground terminal
6	AVCC	-	Power supply terminal (+1.8V)
7	AGND	-	Ground terminal
8, 9	TXOP1, TXOM1	O	Digital data output to the LAN connector for 4
10	AVCC	-	Power supply terminal (+1.8V)
11, 12	RXIP1, RXIM1	I	Digital audio/video signal input from the LAN connector for 4
13	AGND	-	Ground terminal
14	AVCC	-	Power supply terminal (+1.8V)
15	BGRES	O	Band gap resister connection terminal Fixed at “L” in this unit
16, 17	AGND	-	Ground terminal
18, 19	RXIP2, RXIM2	I	Digital audio/video signal input from the LAN connector for 3
20	AVCC	-	Power supply terminal (+1.8V)
21, 22	TXOP2, TXOM2	O	Digital data output to the LAN connector for 3
23	AGND	-	Ground terminal
24	AVCC	-	Power supply terminal (+1.8V)
25	AGND	-	Ground terminal
26, 27	TXOP3, TXOM3	O	Digital data output to the LAN connector for 2
28	AVCC	-	Power supply terminal (+1.8V)
29	RXIP3, RXIM3	I	Digital audio/video signal input from the LAN connector for 2
31, 32	AGND	-	Ground terminal
33, 34	RXIP4, RXIM4	I	Digital audio/video signal input from the LAN connector for 1
35	AVCC	-	Power supply terminal (+1.8V)
36	LOW_10M_EN	I	Low power mode setting terminal Fixed at “L” in this unit
37, 38	TXOP4, TXOM4	O	Digital data output to the LAN connector for 1
39	AGND	-	Ground terminal
40	AVCC	-	Power supply terminal (+1.8V)
41	TB_MII0_EN	I	Not used
42	HWIGMP_EN INT	I	Not used
43, 44	CRS1, CRS0	I	Not used
45	GND	-	Ground terminal
46, 47	VCC	-	Power supply terminal (+1.8V)
48, 49	GND	-	Ground terminal
50	VCC	-	Power supply terminal (+1.8V)
51	MII1_DIS	I	Not used
52	TEST2	I	Not used
53	RMII_EN SCL	I/O	Not used
54	MII1_PHY_MODE	I/O	Not used
55	VCC	-	Power supply terminal (+1.8V)
56	GND	-	Ground terminal
57	TXEN1	I/O	Not used
58	RMII1_CLK_OUT	I/O	Not used
59 to 61	TXD1_2 to TXD1_0	I/O	Not used
62	MII_TXCLK	I/O	Not used
63	COS_EN	I/O	Not used
64	HPPS_EN	I/O	Not used
65 to 67	RXD1_2 to RXD1_0	I/O	Not used
68	MII1_RXCLK	I/O	Not used
69	COL1	I/O	Not used
70	MDIO0	I/O	Two-way management data bus with the audio/video signal decoder
71	MDC0	I	Management data clock signal input from the audio/video signal decoder
72	VCC_O_2	-	Power supply terminal (+3.3V)
73	GND_O_2	-	Ground terminal
74	P4EXT MDIO1	I	Not used
75	P4MII_SNI	I	Not used
76	TXEN0	I	Enable signal input from the audio/video signal decoder

Pin No.	Pin Name	I/O	Description
77 to 80	TXD0_3 to TXD0_0	I	Digital data input from the audio/video signal decoder
81	MII0_TXCLK	I	Serial data transfer clock signal input from the audio/video signal decoder
82	VCC	-	Power supply terminal (+1.8V)
83	GND	-	Ground terminal
84	RXDV0	O	Data valid signal output to the audio/video signal decoder
85 to 88	RXD0_3 to RXD0_0	O	Digital audio/video signal output to the audio/video signal decoder
89	MII0_RXCLK	O	Serial data transfer clock signal output to the audio/video signal decoder
90	COL0	O	Collision detection signal output to the audio/video signal decoder
91	LED_SEL [0]	I	LED output mode setting terminal Not used
92	LED_SEL [1]	I	LED output mode setting terminal Fixed at “H” in this unit
93	RESETB	I	Reset signal input from the main system controller and reset signal generator “L”: reset
94	VCC_SRAM	-	Power supply terminal (+1.8V)
95	GND_SRAM	-	Ground terminal
96	LED_LINK [0]	O	LED link/active signal output terminal Not used
97	LED_SPEED [0]	O	LED speed signal output terminal Not used
98	VCC_O_1	-	Power supply terminal (+3.3V)
99	GND_O_1	-	Ground terminal
100	LED_FULL [0]	O	LED full/half/link signal output terminal Not used
101	LED_LINK [1]	O	LED link/active signal output to the LAN connector for 4
102	LED_SPEED [1]	O	LED speed signal output to the LAN connector for 4
103	LED_FULL [1]	O	LED full/half/link signal output to the LAN connector for 4
104	LED_LINK [2]	O	LED link/active signal output to the LAN connector for 3
105	LED_SPEED [2]	O	LED speed signal output to the LAN connector for 3
106	LED_FULL [2]	O	LED full/half/link signal output to the LAN connector for 3
107	LED_LINK [3]	O	LED link/active signal output to the LAN connector for 2
108	LED_SPEED [3]	O	LED speed signal output to the LAN connector for 2
109	LED_FULL [3]	O	LED full/half/link signal output to the LAN connector for 2
110	LED_LINK [4]	O	LED link/active signal output to the LAN connector for 1
111	LED_SPEED [4]	O	LED speed signal output to the LAN connector for 1
112	LED_FULL [4]	O	LED full/half/link signal output to the LAN connector for 1
113	MDC1	I	Not used
114, 115	VCC	-	Power supply terminal (+1.8V)
116	CRS2	I	Not used
117, 118	GND	-	Ground terminal
119	CRS_EN	I	Not used
120	REG_OUT	O	Not used
121	GND	-	Ground terminal
122	X2	O	System clock output terminal (25 MHz)
123	OSCI (X1)	I	System clock input terminal (25 MHz)
124	VCC	-	Power supply terminal (+1.8V)
125	NC	-	Not used
126	AGND	-	Ground terminal
127, 128	RXIP0, RXIM0	I	Digital audio/video signal input terminal Not used

CONTROL BOARD IC2501 MB91F644PMC-GE1 (MAIN SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	VSS	-	Ground terminal
2	C	-	External capacitor connection terminal
3	PT_STOP	I	AC cut detection signal input terminal "H": AC cut
4	3RD_RELAY (A57)	O	Relay drive signal (for zone 3) output terminal "H": relay on
5	FH-PREOUT-RY (A57)	O	Relay drive signal (for front high of pre out) output terminal "H": relay on
6	SB-PREOUT-RY (A57)	O	Relay drive signal (for surround back of pre out) output terminal "H": relay on
7	FUNC_LAT (A57)	O	Serial data latch pulse signal output to the audio input selector
8	D.MIX_LAT (A57)	O	Serial data latch pulse signal output to the audio switch
9	VOL_LAT (A57)	O	Serial data latch pulse signal output to the electrical volume
10	COM2_CLK	O	Serial data transfer clock signal output to the electrical volume, audio input selector and audio switch
11	COM2_DATA	O	Serial data output to the electrical volume, audio input selector and audio switch
12	EVOL_2ND_DATA (A37)	O	Serial data output terminal Not used
13	2ND_RELAY	O	Relay drive signal (for zone 2) output terminal "H": relay on
14	EVOL_CLK	O	Serial data transfer clock signal output to the electrical volume
15	EVOL_DATA	O	Serial data output to the electrical volume
16	CD-DIRECT_RY (A57)	O	Relay drive signal (for direct output) output terminal "H": relay on
17	A-VIDEO_I2C_SDA	I/O	Two-way I2C serial data bus with the video input selector and D/A converter (for video section)
18	MACROVISION_ RESET	O	Reset signal output terminal Not used
19	A-VIDEO_I2C_SCL	O	Serial data transfer clock signal output to the video input selector and D/A converter (for video section)
20	PREOUT_RY	O	Relay drive signal (for pre out) output terminal "H": relay on
21	HP-RY	O	Relay drive signal (for headphone) output terminal "H": relay on
22	SB-RY	O	Relay drive signal (for surround back of speaker) output terminal "H": relay on
23	SR-RY	O	Relay drive signal (for surround of speaker) output terminal "H": relay on
24	C-RY	O	Relay drive signal (for center of speaker) output terminal "H": relay on
25	SP-B-RY	O	Relay drive signal (for front B of speaker) output terminal "H": relay on
26	SP-A-RY	O	Relay drive signal (for front A of speaker) output terminal "H": relay on
27	4/8-RY	O	Relay drive signal (for speaker impedance 4/8 ohm selection) output terminal "L": 4 ohm, "H": 8 ohm
28	FH-SP-RY (A57)	O	Relay drive signal (for front high of speaker) output terminal "H": relay on
29	AMP_FUN_DETECT (A57)	O	Not used
30 to 32	NC	-	Not used
33	VSS	-	Ground terminal
34	VCC	-	Power supply terminal (+3.3V)
35	FLI_BOOT_SEL	O	Boot selection signal output terminal
36	FLI_WAKE	O	Wake-up signal output to the video processor
37	FLI_BUSY	I	Busy signal input from the video processor
38	FLI_RESET	O	Reset signal output to the video processor and flash memory "L": reset
39	INIT_L>H	I	Reset signal input from the sub system controller "L": reset
40	MD0_H	I	Mode selection signal input from the sub system controller
41	MD1_L	I	Mode selection signal input terminal Fixed at "L" in this unit
42	X0	I	System clock input terminal (4 MHz)
43	X1	O	System clock output terminal (4 MHz)
44	VSS	-	Ground terminal
45	HSYNC_TH	O	Horizontal sync control signal output to HDMI output selector
46	V-DAC_CLOCK_SEL	O	Clock control signal output to the frequency multiplier for D/A converter (for video section)
47	VIDEO-DAC_RESET	O	Reset signal output to the D/A converter (for video section) "L": reset
48	HDMI_TX_5VPWR1	O	Power supply on/off control signal output terminal for HDMI OUT A ARC connector "H": power on
49	HDMI_TX_RST1	O	Reset signal output to the HDMI transmitter "L": reset
50	COMP_DET-AD	I	Component video signal detection input terminal
51	COMP2_DET-AD (A57)	I	Component video signal detection input terminal
52	VERSION	I	Destination setting terminal
53	UPDATE_MAIN/SEL_H	O	Update signal output to the connector (for RS232C) and audio/video signal decoder
54	UPDATE_SEL/MAIN_H	I	Update signal input from the connector (for RS232C) and audio/video signal decoder

Pin No.	Pin Name	I/O	Description
55	UPDATE_SCK	O	Clock signal output terminal (for writing)
56	HDMI_RX RST	O	Reset signal output to the HDMI receiver "L": reset
57	HDMI_TX_INT1	I	Interrupt signal input from the HDMI transmitter
58	HDMI_RX_INT	I	Interrupt signal input from the HDMI receiver
59	CEC SEL	O	CEC line selection signal output terminal
60	HDMI_ERROR_OUT	I	HDMI error signal output to the DSP1, DSP2 and muting circuit
61	HDMI_ERROR_IN	I	HDMI error signal input from the HDMI receiver "H": error
62	HDMI_NON_LPCM	O	Non-LPCM setting signal output to the DSP1
63	FS_RATE1-CAP	O	L/R sampling clock signal input from the audio/video signal decoder, digital audio interface receiver and HDMI receiver
64	AVCC	-	Power supply terminal (+3.3V)
65	AVRH	I	Reference voltage (+3.3V) input terminal
66	AVSS	-	Ground terminal
67	DIG_AU_DATA_MUTE	O	Audio muting on/off control signal output terminal "H": muting on
68	NO_MUTE_AU-ADC	O	Muting control signal output to the signal selector
69	DSP_NON_AUDIO	I	Non-LPCM setting signal input from the digital audio interface receiver
70	DSP1_SFLASH_HOLD	O	Hold signal output to the serial flash1
71	DSP1_FLAG0-INT	I	Interrupt signal input from the DSP1
72	DSP1_RESET	O	Reset signal output to the DSP1 "L": reset
73	DSP1_SPIO_CS	O	Chip select signal output to the DSP1 and serial flash1
74	DSP1_SIA_DATA0	I	Zero data detection signal input terminal "L": no audio
75	DIR_CKST	I	Clock selection signal input from the digital audio interface receiver
76	DIR_ERROR	I	Error signal input from the digital audio interface receiver
77	DIR_DO	I	Serial data input from the digital audio interface receiver
78	DIR_CE	O	Chip enable signal output to the digital audio interface receiver
79	DIR_XMODE-RESET	O	Reset signal output to the digital audio interface receiver "L": reset
80	COM1_DATA	O	Serial data output to the digital audio interface receiver and data decoder
81	COM1_CLK	O	Serial data transfer clock signal output to the digital audio interface receiver and data decoder
82	D595_LAT	O	Serial data latch pulse signal output to the data decoder
83	D595_OE	O	Output enable signal output to the data decoder
84	DSP2_SFLASH_HOLD (A57)	O	Hold signal output to the serial flash2
85	DSP2_FLAG0-INT (A57)	I	Interrupt signal input from the DSP2
86	DSP2_RESET (A57)	O	Reset signal output to the DSP2 "L": reset
87	DSP2_SPIO_CS	O	Chip select signal output to the DSP2 and serial flash2
88	VSS	-	Ground terminal
89	VCC	-	Power supply terminal (+3.3V)
90	DCAC_MIC_SEL (A57)	O	Not used
91	DSP1_ERROR (A57)	I	Error signal input from the DSP1
92	D-AUDIO_I2C_SDA	I/O	Two-way I2C serial data bus with the field programmable gate array and D/A converter (for audio section)
93	AU-DAC_ZERO_DATA	I	Zero data detection signal input from the D/A converter (for audio section)
94	D-AUDIO_I2C_SCL	O	I2C serial data transfer clock signal output to the field programmable gate array and D/A converter (for audio section)
95	HATS_RESET (A57)	O	Reset signal output to the field programmable gate array "L": reset
96	HATS_MIDDLE (A57)	I	Middle detection signal input from the field programmable gate array "H": middle
97	HATS_MUTE (A57)	O	Muting on/off control signal output to the field programmable gate array "H": muting on
98	HATS_AMCK_SEL (A57)	O	Audio master clock selection signal output terminal for field programmable gate array "L": 24.576 MHz, "H": 22.5792 MHz
99	NC	-	Not used
100	USB-DDC_RESET (A57)	O	Reset signal output terminal Not used
101, 102	NC	-	Not used
103	HDMI_TX_INT2 (A57)	I	Interrupt signal input from the HDMI transmitter
104	VSS	-	Ground terminal
105	VCC	-	Power supply terminal (+3.3V)
106	HDMI_TX_5VPWR2 (A57)	O	Power supply on/off control signal output terminal for HDMI OUT B connector "H": power on
107	HDMI_TX_RST2 (A57)	O	Reset signal output to the HDMI transmitter "L": reset

Pin No.	Pin Name	I/O	Description
108	HDSEL_POWER (A57)	O	Power supply on/off control signal output terminal for HDMI output selector "H": power on
109	REPEAT_PATH_SEL (A57)	O	Digital video signal (for HDMI OUT) selection signal output to the HDMI output selector
110	HDSEL_RESET (A57)	O	Reset signal output to the HDMI output selector "L": reset
111	TUNED	I	Tuned detection signal input from the tuner (FM/AM) "L": tuned
112	TUN_LAT	O	Serial data latch pulse signal output to the tuner (FM/AM)
113	TUN_DATA	O	Serial data output to the tuner (FM/AM)
114	TUN_CLK	O	Serial data transfer clock signal output to the tuner (FM/AM)
115	TUN_DO	I	Serial data input from the tuner (FM/AM)
116	RDS_CLK-INT	I	RDS serial data transfer clock signal input from the tuner (FM/AM) (AEP and UK models only)
117	RDS_DATA	I	RDS serial data input from the tuner (FM/AM) (AEP and UK models only)
118 to 120	TRIG-1, TRIG-2 (A57), TRIG-3 (A57)	O	Trigger signal output terminal
121	ACDC_STOP	I	AC cut detection signal input terminal "H": AC cut
122	UART_MAIN/SUB	O	Serial data output to the sub system controller
123	UART_SUB/MAIN	I	Serial data input from the sub system controller
124	MAIN_UCOM_ ENDFLAG	O	Writing end flag signal output to the sub system controller "H": end
125 to 129	NC	-	Not used
130	DSP1_SPIO_MOSI	O	Serial data output to the DSP1 and serial flash1
131	DSP1_SPIO_MISO	I	Serial data input from the DSP1 and serial flash1
132	VSS	-	Ground terminal
133	VCC	-	Power supply terminal (+3.3V)
134	DSP1_SPIO_CLK	I	Serial data transfer clock signal output to the DSP1 and serial flash1
135	NC	-	Not used
136	DSP2_SPIO_MOSI (A57)	O	Serial data output to the DSP2 and serial flash2
137	DSP2_SPIO_MISO (A57)	I	Serial data input from the DSP2 and serial flash2
138	DSP2_SPIO_CLK (A57)	I	Serial data transfer clock signal output to the DSP2 and serial flash2
139	NC	-	Not used
140	SIRIUS_UART_MU/SI	O	Serial data output to the SIRIUS connector (US and Canadian models only)
141	SIRIUS_UART_SI/MU	I	Serial data input from the SIRIUS connector (US and Canadian models only)
142	SIRIUS_POWER_EN	O	Sirius tuner power on/off control signal output to the SIRIUS connector "H" power on (US and Canadian models only)
143	NC	-	Not used
144	UART_MAIN/FLI (TX)	O	Serial data output to the video processor
145	UART_FLI/MAIN (RX)	I	Serial data input from the video processor
146, 147	NC	-	Not used
148	VSS	-	Ground terminal
149	VCC	-	Power supply terminal (+3.3V)
150	D-VIDEO_I2C_SDA	I/O	Two-way I2C serial data bus with the HDMI receiver, HDMI transmitter and D/A converter (for video section)
151	NC	-	Not used
152	D-VIDEO_I2C_SCL	O	I2C serial data transfer clock signal output to the HDMI receiver, HDMI transmitter and D/A converter (for video section)
153	NC	-	Not used
154	UART_MAIN/NET	O	Serial data output to the audio/video signal decoder
155	UART_NET/MAIN	I	Serial data input from the audio/video signal decoder
156	NET_RESET	O	Reset signal output to the audio/video signal decoder, NAND flash and EEPROM "L": reset
157	NET_ERROR	I	Network error signal input from the audio/video signal decoder "H": error
158	NET_ADC_LAT	O	Serial data latch pulse signal output terminal Not used
159	NET_JIG_MODE1	O	Jig mode selection signal output to the audio/video signal decoder "L": USB writing mode, "H": normal mode
160	HUB_RESET	O	Reset signal output to the ethernet interface "L": reset
161	NET_FAN_DETECT	I	Temperature detection signal input terminal
162	HUDSON2_SPIC_SDA (A57)	O	Serial data output to the video controller
163	NC	-	Not used

Pin No.	Pin Name	I/O	Description
164	HUDSON2_SPIC_SDA (A57)	O	Serial data transfer clock signal output to the video controller
165	HUDSON2_BOOT_SEL (A57)	O	Boot selection signal output to the video controller
166	V_DAC_2ND_RESET (A57)	O	Reset signal output to the D/A converter (for video section) "L": reset
167	HUDSON2_GPIO_0 (A57)	O	External receipt bus open signal output to the video controller
168	HUDSON2_RESET_H (A57)	O	Reset signal output to the video controller "L": reset
169	HUDSON2_POWER_ CONT (A57)	O	Power supply on/off control signal output terminal for video controller "H": power on
170	EEPROM_SDA	I/O	Two-way serial data bus with the EEPROM
171	NC	-	Not used
172	EEPROM_SCL	O	Serial data transfer clock signal output to the EEPROM
173	THERMAL_IN (A37UC)	I	Over temperature warning signal input terminal Not used
174	PROTECTOR	I	Protect detection signal input terminal
175	CURRENT PROTECTOR	I	Protect detection signal input terminal
176	VCC	-	Power supply terminal (+3.3V)

DISPLAY BOARD IC763 MB90F058PF-G-JNE1 (SUB SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	LED_DCS_ON/OFF	O	LED drive signal output terminal for HD-D.C.S. indicator "H": LED on
2	LED_BPH_ON/OFF	O	LED drive signal output terminal for BERLIN PHILHARMONIC HALL indicator "H": LED on
3	LED_TCM_ON/OFF	O	LED drive signal output terminal for TRUE CONCERT MAPPING indicator "H": LED on
4	-	-	Not used
5	IR-LEARN-UART_RX	I	Serial data input terminal Not used
6	IR-LEARN-UART_TX	O	Serial data output terminal Not used
7 to 10	-	-	Not used
11	SCENE_1	I	EASY AUTOMATION 1 switch input terminal
12	LED_MLT_DIM	O	Dimmer on/off control signal output terminal for MULTI CHANNEL DECODING indicator "L": dimmer on
13, 14	X0A, X1A	-	Not used
15	VCC_3.3V	-	Power supply terminal (+3.3V)
16	VSS_GND	-	Ground terminal
17	C	-	Regulator stabilization capacitor connection terminal
18 to 20	-	-	Not used
21	FL_LAT	O	Serial data latch pulse signal output to the fluorescent indicator tube
22	FL_DATA	O	Serial data output to the fluorescent indicator tube
23	FL_CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
24	ACDC_STOP	I	AC cut detection signal input terminal "H": AC cut
25	POWER_RY	O	Relay drive signal (for main power) output terminal "H": relay on
26	UPDATE_SEL_B	O	Update signal selection signal output to the data selector
27	UPDATE_SEL_A	O	Update signal selection signal output to the data selector
28	MAIN_UCOM_ ENDFLAG	I	Writing end flag signal input from the main system controller "H": end
29	UART_MAI/SUB	I	Serial data input from the main system controller
30	UART_SUB/MAIN	O	Serial data output to the main system controller
31	-	-	Not used
32	AVCC_3.3V	-	Power supply terminal (+3.3V)
33	AVRH	-	Power supply terminal (+3.3V)
34	-	-	Not used
35	AVSS	-	Ground terminal
36	MAIN UCOM RESET	O	Reset signal output to the main system controller "L": reset
37	MAIN_UCOM_MD	O	Mode selection signal output to the main system controller
38	LED_MULTI_ON/OFF	O	LED drive signal output terminal for MULTI CHANNEL DECODING indicator "H": LED on
39	NET_ENDFLAG	I	Writing end flag signal input from the audio/video signal processor "H": end
40	(VER)	I	Model setting terminal
41, 42	AD_KEY3, AD_KEY2	I	Front panel key input terminal (A/D input)
43	AD_KEY1	I	ZONE POWER switch input terminal (A/D input)
44	VSS_GND	-	Ground terminal
45	SIRCS_IN	I	SIRCS signal input from the remote control receiver
46	FUNC_JOG1	I	Jog dial pulse input from the rotary encoder (A phase input) (for INPUT SELECTOR)
47	FUNC_JOG2	I	Jog dial pulse input from the rotary encoder (B phase input) (for INPUT SELECTOR)
48	VOL_JOG1	I	Jog dial pulse input from the rotary encoder (A phase input) (for MASTER VOLUME)
49	VOL_JOG2	I	Jog dial pulse input from the rotary encoder (B phase input) (for MASTER VOLUME)
50	RES_TRG	O	Reset signal output terminal for sub system controller "L": reset
51	MD2	I	Mode selection signal input terminal
52	MD1	I	Mode selection signal input terminal Fixed at "H" in this unit
53	MD0	I	Mode selection signal input terminal
54	$\overline{\text{RST}}$	I	System reset signal input from the reset signal generator "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
55	–5V DSP EN	O	Power supply on/off control signal output terminal for audio section +4V power supply and video section –5V power supply "H": power on
56	CTRL EN	O	Power supply on/off control signal output terminal for video and network section +5.5V power supply "H": power on
57	MTK EN	O	Power supply on/off control signal output terminal for network section +10V power supply "H": power on
58	D-VIDEO EN	O	Power supply on/off control signal output terminal for video section +10V power supply "H": power on
59	UPDATE_SEL/SUB	I	Update signal input from the connector (for RS232C) and audio/video signal decoder
60	UPDATE_SUB/SEL	O	Update signal output to the connector (for RS232C) and audio/video signal decoder

Pin No.	Pin Name	I/O	Description
61	UPDATE_SCK	I	Update clock signal input terminal
62	UPDATE_SEL_C	O	Update signal selection signal output to the data selector
63, 64	-	-	Not used
65	DVCC	-	Power supply terminal (+3.3V)
66	DVSS	-	Ground terminal
67	NET_PCON_ MTK_CORE	O	Power supply on/off control signal output terminal for the network section +1.1V power supply “H”: power on
68, 69	NET_PCON_1, NET_PCON2	O	Power supply on/off control signal output terminal for the network section power supply “H”: power on
70	NET_MII_ CONT/PSAVE	O	Power supply on/off control signal output terminal Not used
71	NET_PCONT_HUB	O	Power supply on/off control signal output terminal for the ethernet section power supply “H”: power on
72 to 76	-	-	Not used
77, 78	P00, P01	I	Not used
79	SCENE_2	I	EASY AUTOMATION 2 switch input terminal
80	POWER_SW	I	Power switch input terminal
81	CEC_SUB/DV	O	CEC serial data output to the HDMI connector
82	CEC_V/SUB	I	CEC serial data input from the HDMI connector
83	ZONE_SEL	I	ZONE SELECT switch input terminal
84	TUN+/–2	I	Jog dial pulse input from the rotary encoder (B phase input) (for TUNING)
85	TUN+/–1	I	Jog dial pulse input from the rotary encoder (A phase input) (for TUNING)
86	TONE+/–2	I	Jog dial pulse input from the rotary encoder (B phase input) (for TONE)
87	TONE+/–1	I	Jog dial pulse input from the rotary encoder (A phase input) (for TONE)
88	-	-	Not used
89	HP_IN	I	Headphone plug insert detection signal input terminal “H”: headphone plug is inserted
90	VCC_3.3V	-	Power supply terminal (+3.3V)
91	VSS_GND	-	Ground terminal
92	X1 (X_OUT)	O	System clock output terminal (4 MHz)
93	X0 (X_IN)	I	System clock input terminal (4 MHz)
94	LED_POWER	O	LED drive signal output terminal for power on indicator “H”: LED on
95	LED_STB	O	LED drive signal output terminal for power standby indicator “H”: LED on
96	MIC_ON/OFF	O	Microphone muting on/off control signal output terminal “H”: muting on
97	LED_DCS_ON/OFF	O	LED drive signal output terminal Not used
98	-	-	Not used
99	FLMDO	O	Writing mode setting signal output terminal Not used
100	FL_CLR	O	Clear signal output to the fluorescent indicator tube

SECTION 6
EXPLODED VIEWS

Note:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- 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.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  CND : Canadian model

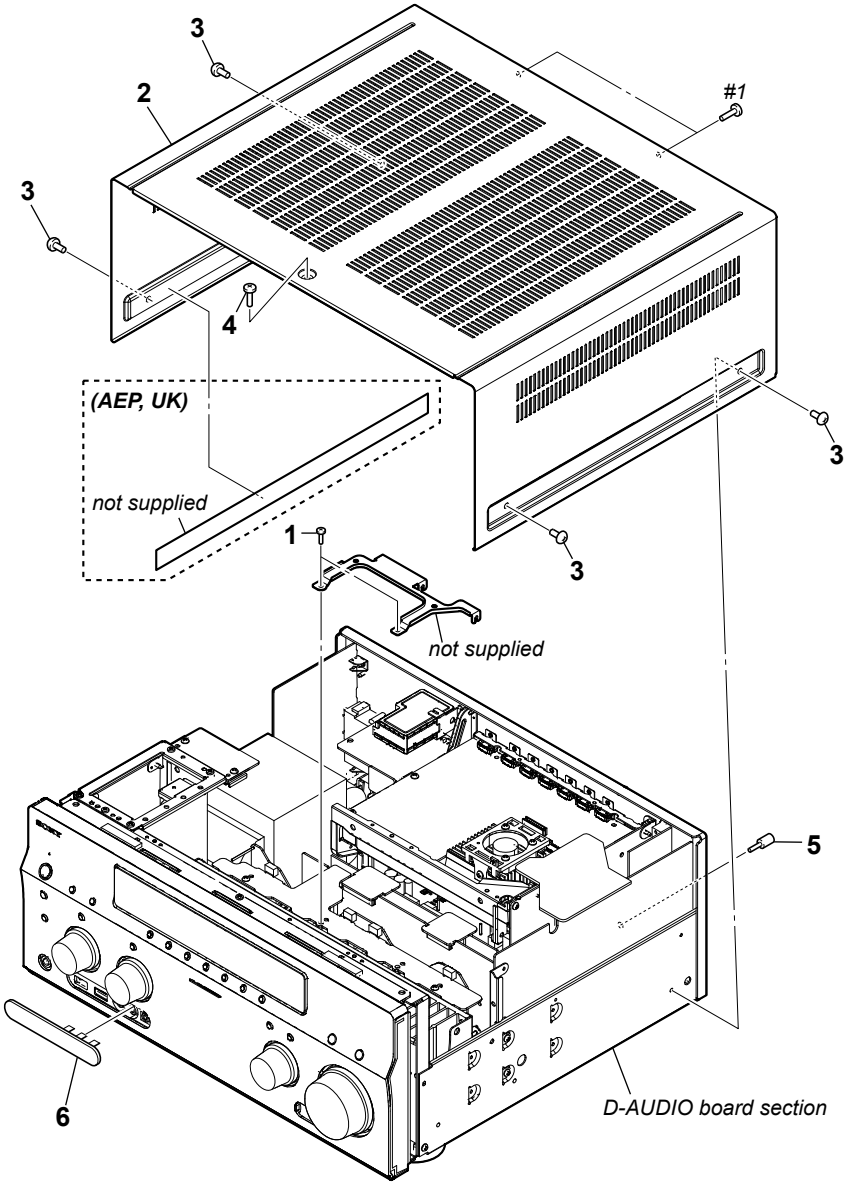
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

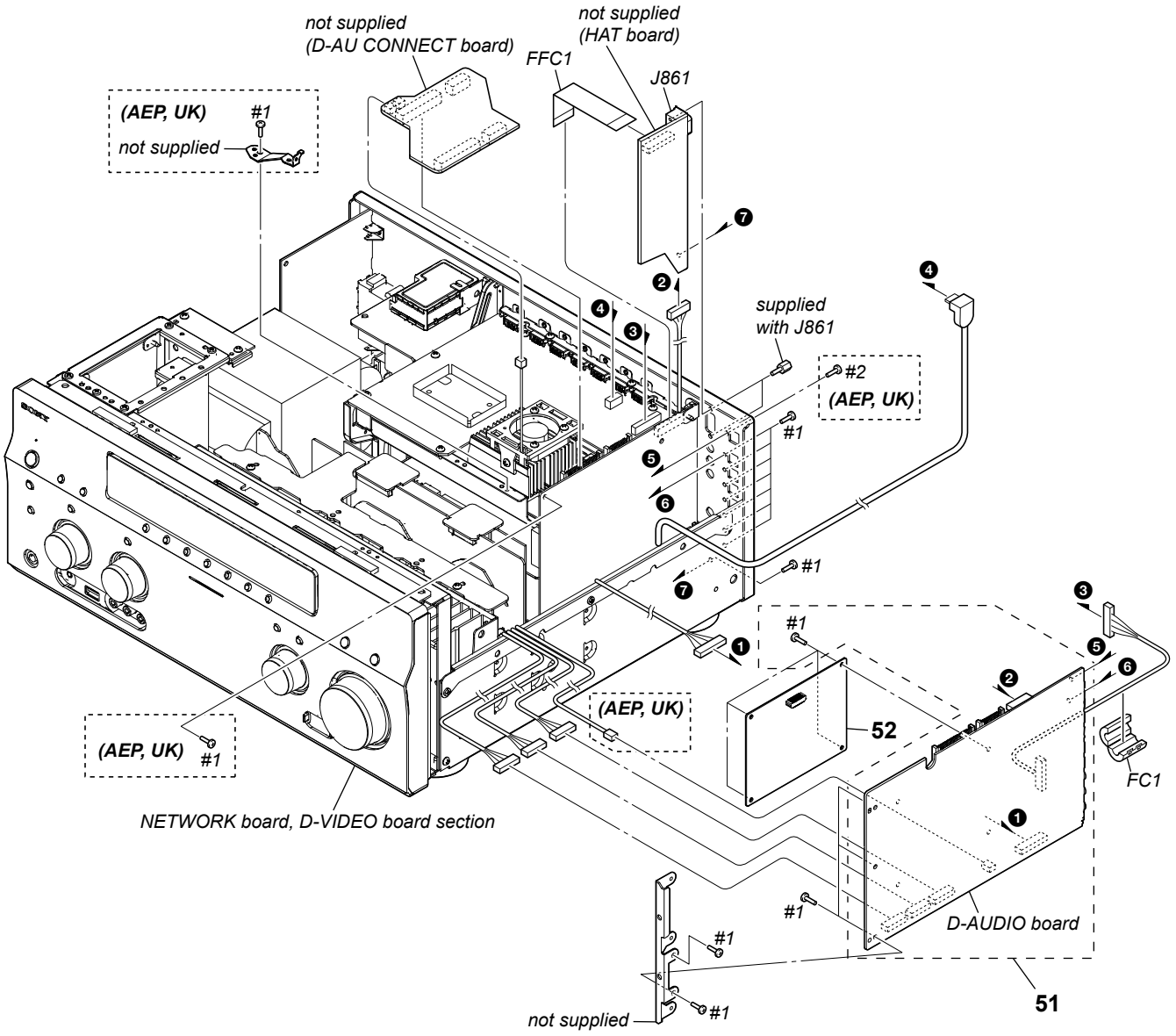
Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

6-1. CASE SECTION



Ref. No.	Part No.	Description	Remark
1	4-974-510-11	SCREW (+BV 3X8 CU)	
⚠ 2	4-277-149-12	CASE	
3	2-580-630-01	SCREW, +BVST 4X8	
4	3-906-887-11	SCREW (+BTP) (DIA. 3) (BZN-N)	
5	4-420-285-01	SCREW, FEEDER-FIX	
6	4-282-087-01	COVER, JACK	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

6-2. D-AUDIO BOARD SECTION

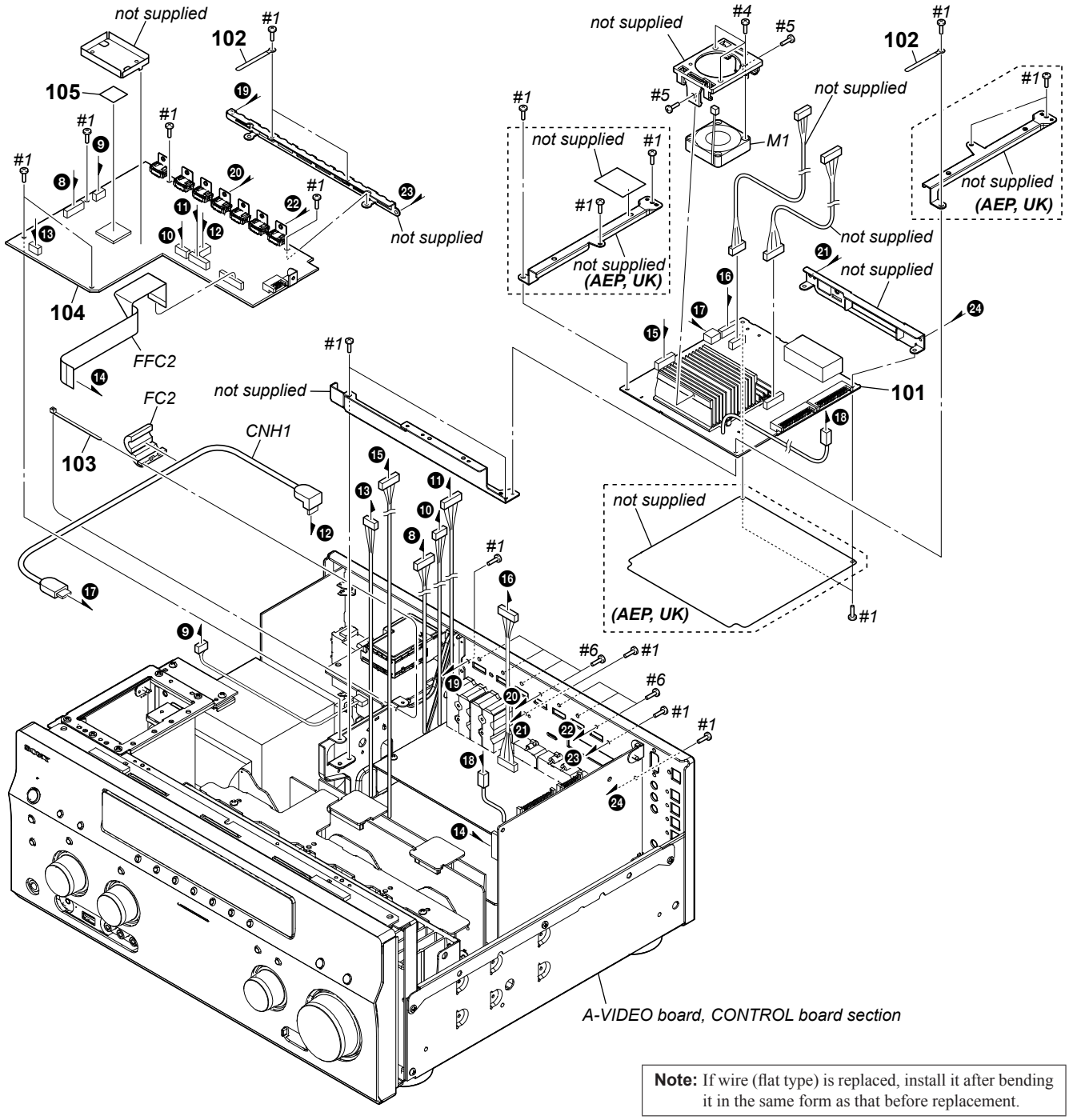


Note: When replacing the D-AUDIO board in this unit for AEP and UK models, refer to "NOTE OF REPLACING THE IC2239 ON THE D-AUDIO BOARD AND THE COMPLETE D-AUDIO BOARD" (page 6).

Ref. No.	Part No.	Description	Remark
51	A-1822-838-A	D-AUDIO BOARD, COMPLETE (US, CND)	
51	A-1822-839-A	D-AUDIO BOARD, COMPLETE (AEP, UK)	
52	A-1822-851-A	DSP BOARD, COMPLETE (US, CND)	
52	A-1822-852-A	DSP BOARD, COMPLETE (AEP, UK)	
FC1	1-500-082-11	CLAMP, SLEEVE FERRITE	

Ref. No.	Part No.	Description	Remark
FFC1	1-828-355-61	WIRE (FLAT TYPE) (19 CORE)	
J861	1-822-149-11	D-SUB CONNECTOR 9P (Including Screws)	(RS232C)
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-682-147-01	SCREW +P 3X6 (AEP, UK)	

6-3. NETWORK BOARD, D-VIDEO BOARD SECTION

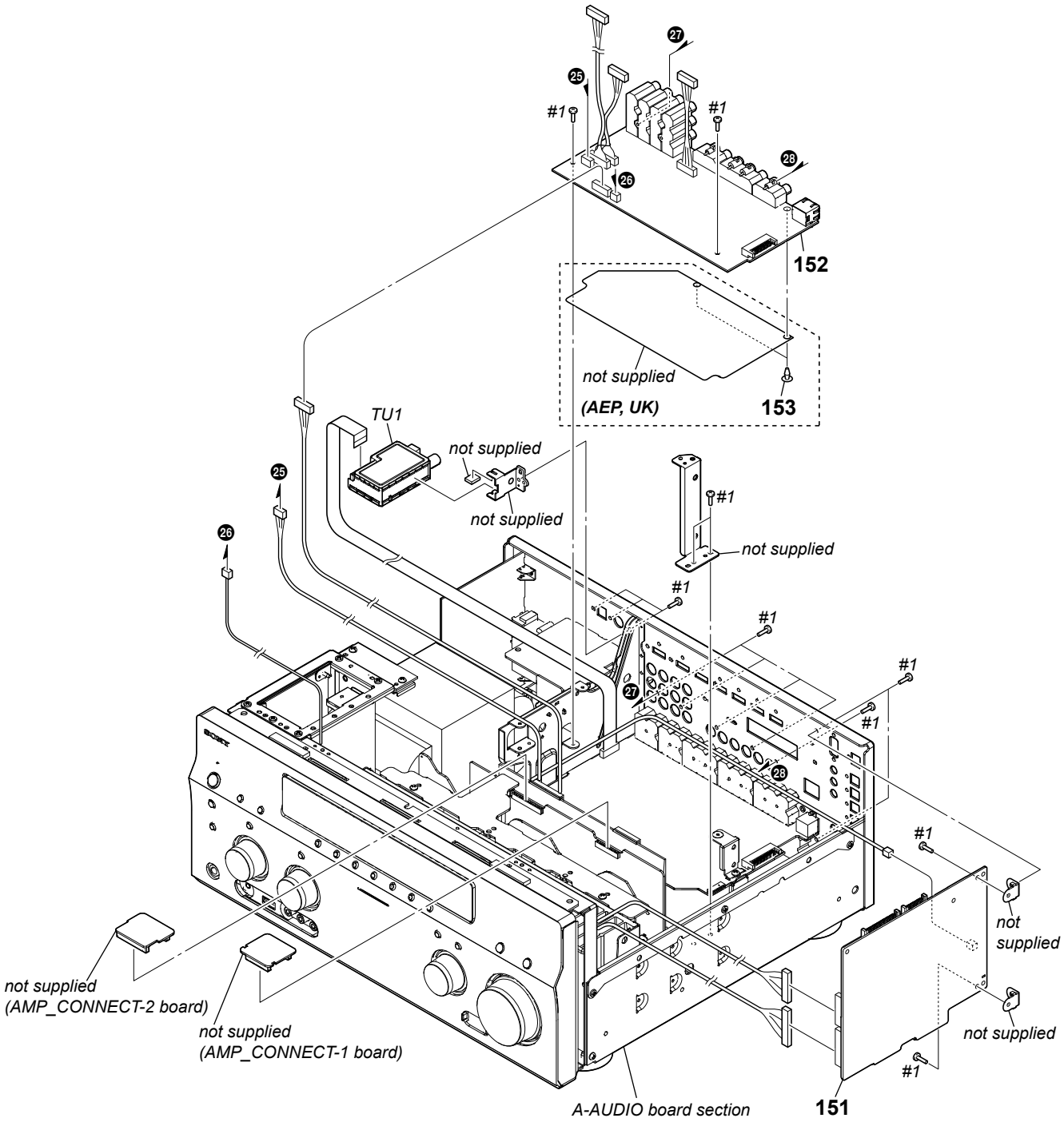


Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

Ref. No.	Part No.	Description	Remark
101	A-1822-908-A	NETWORK BOARD, COMPLETE (for SERVICE) (AEP)	
101	A-1870-834-A	NETWORK BOARD, COMPLETE (for SERVICE) (US, CND)	
101	A-1870-835-A	NETWORK BOARD, COMPLETE (for SERVICE) (UK)	
102	4-237-065-01	CLAMP (L35)	
103	3-655-653-01	BAND (TAITON), BINDING	
104	A-1822-904-A	D-VIDEO BOARD, COMPLETE (for SERVICE) (US, CND)	
104	A-1822-906-A	D-VIDEO BOARD, COMPLETE (for SERVICE) (AEP, UK)	

Ref. No.	Part No.	Description	Remark
105	3-279-801-11	SHEET, RADIATION	
CNH1	1-839-149-11	CORD, CONNECTION (HDMI CABLE)	
FC2	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
FFC2	1-828-370-61	WIRE (FLAT TYPE) (21 CORE)	
⚠ M1	1-855-048-11	DC FAN 40 mm	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
#4	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	
#5	7-685-645-71	SCREW +BVTP 3X6 TYPE2 IT-3	
#6	7-682-546-09	SCREW +B 3X5	

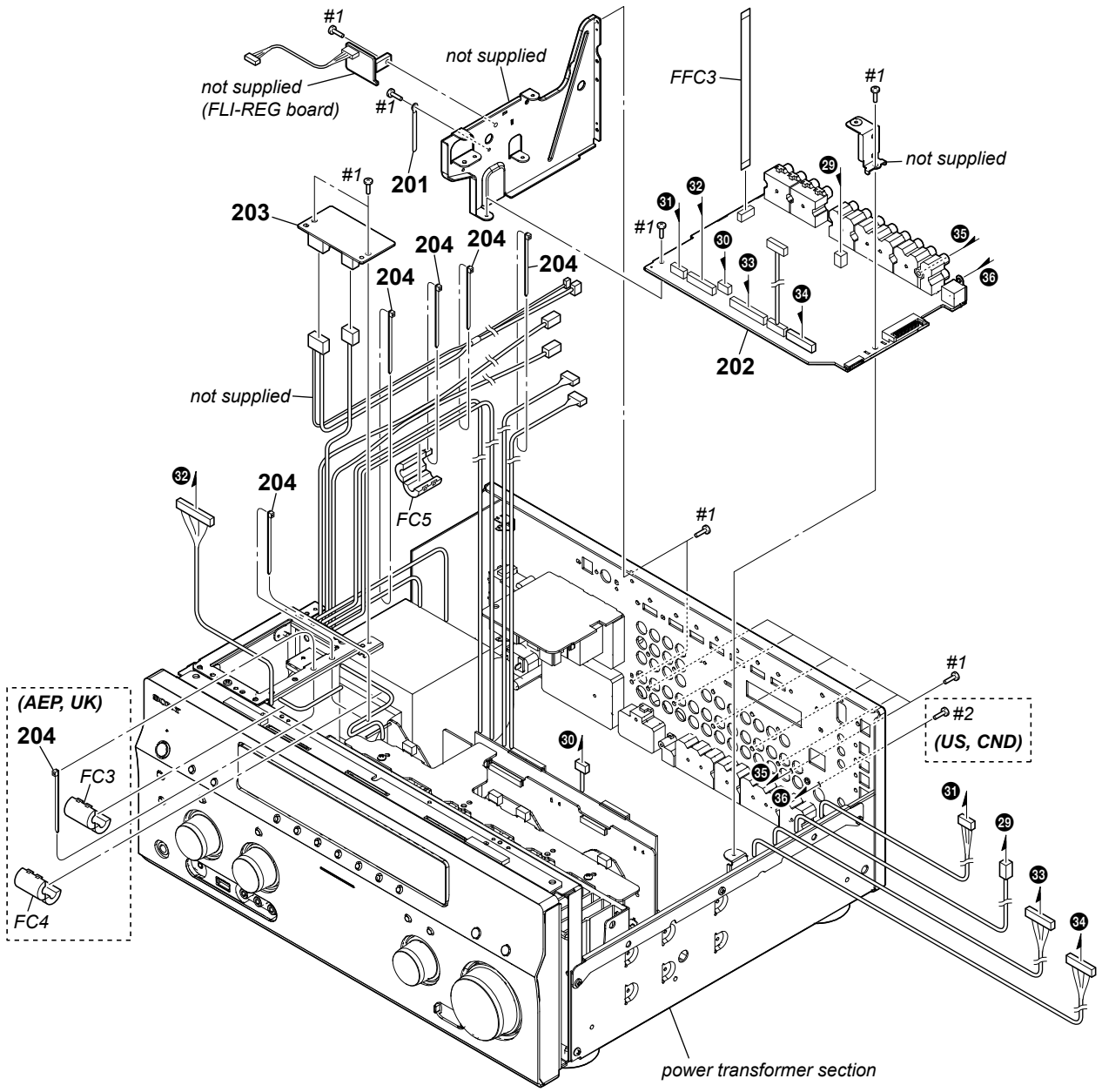
6-4. A-VIDEO BOARD, CONTROL BOARD SECTION



Ref. No.	Part No.	Description	Remark
151	A-1822-841-A	CONTROL BOARD, COMPLETE (US, CND)	
151	A-1822-842-A	CONTROL BOARD, COMPLETE (AEP, UK)	
152	A-1822-854-A	A-VIDEO BOARD, COMPLETE (US, CND)	
152	A-1822-855-A	A-VIDEO BOARD, COMPLETE (AEP, UK)	
153	3-531-576-41	RIVET (DIA. 3), NYLON (AEP, UK)	

Ref. No.	Part No.	Description	Remark
TU1	1-693-737-21	TUNER (FM/AM) (AEP, UK)	
TU1	1-693-779-11	TUNER (FM/AM) (US, CND)	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

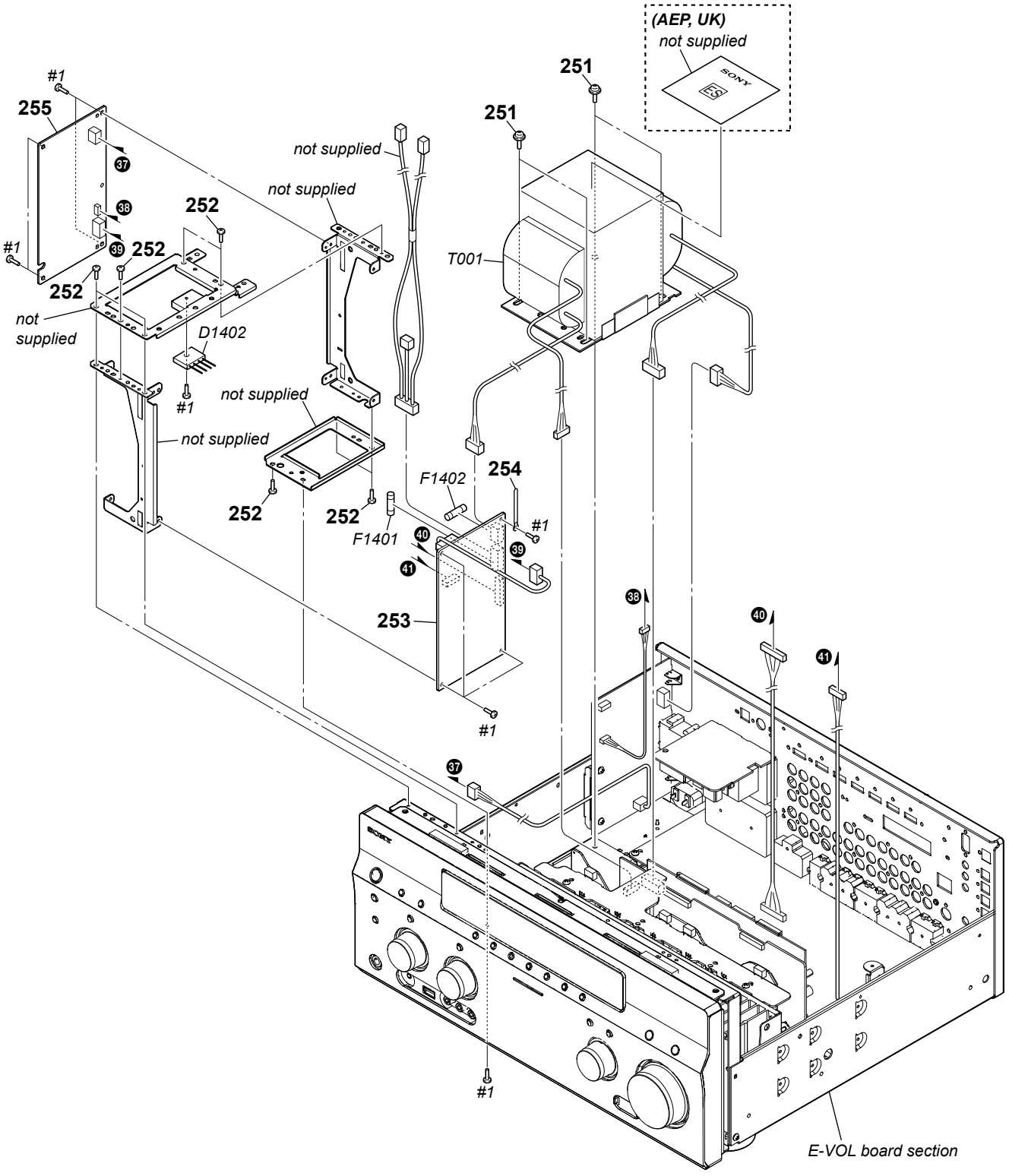
6-5. A AUDIO BOARD SECTION



Ref. No.	Part No.	Description	Remark
201	4-237-065-01	CLAMP (L35)	
202	A-1822-829-A	A AUDIO BOARD, COMPLETE (US, CND)	
202	A-1822-830-A	A AUDIO BOARD, COMPLETE (AEP, UK)	
203	A-1822-832-A	DCDC2 BOARD, COMPLETE	
204	3-655-653-01	BAND (TAITON), BINDING	
FC3	1-500-082-11	CLAMP, SLEEVE FERRITE (AEP, UK)	

Ref. No.	Part No.	Description	Remark
FC4	1-500-082-11	CLAMP, SLEEVE FERRITE (AEP, UK)	
FC5	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
FFC3	1-827-731-61	WIRE (FLAT TYPE) (11 CORE) (AEP, UK)	
FFC3	1-828-957-61	WIRE (FLAT TYPE) (9 CORE) (US, CND)	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-682-147-01	SCREW +P 3X6 (US, CND)	

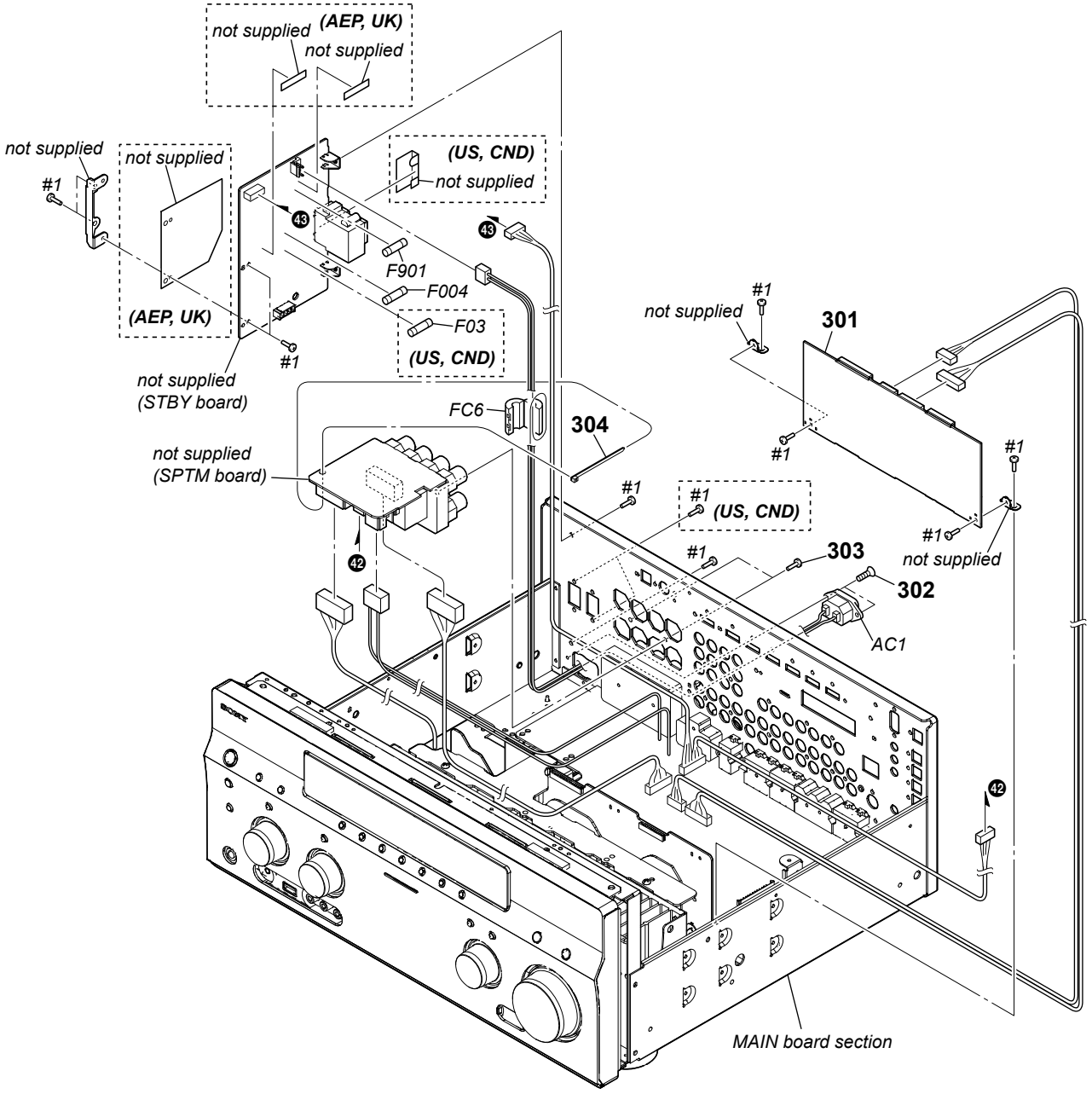
6-6. POWER TRANSFORMER SECTION



Ref. No.	Part No.	Description	Remark
251	X-2319-778-1	COPPER WASHER +BVTT ASSY	
252	3-906-887-11	SCREW (+BTP) (DIA. 3) (BZN-N)	
253	A-1822-834-A	DCDC BOARD, COMPLETE	
254	4-237-065-01	CLAMP (L35)	
255	A-1822-817-A	ACDC BOARD, COMPLETE	
D1402	8-719-060-88	DIODE D4SBS6	

Ref. No.	Part No.	Description	Remark
⚠ F1401	1-532-465-33	FUSE (T 3.15 AL/250 V)	
⚠ F1402	1-532-506-33	FUSE (T 6.3 AL/250 V)	
⚠ T001	1-697-081-11	TRANSFORMER, POWER (AEP, UK)	
⚠ T001	1-697-083-11	TRANSFORMER, POWER (US, CND)	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

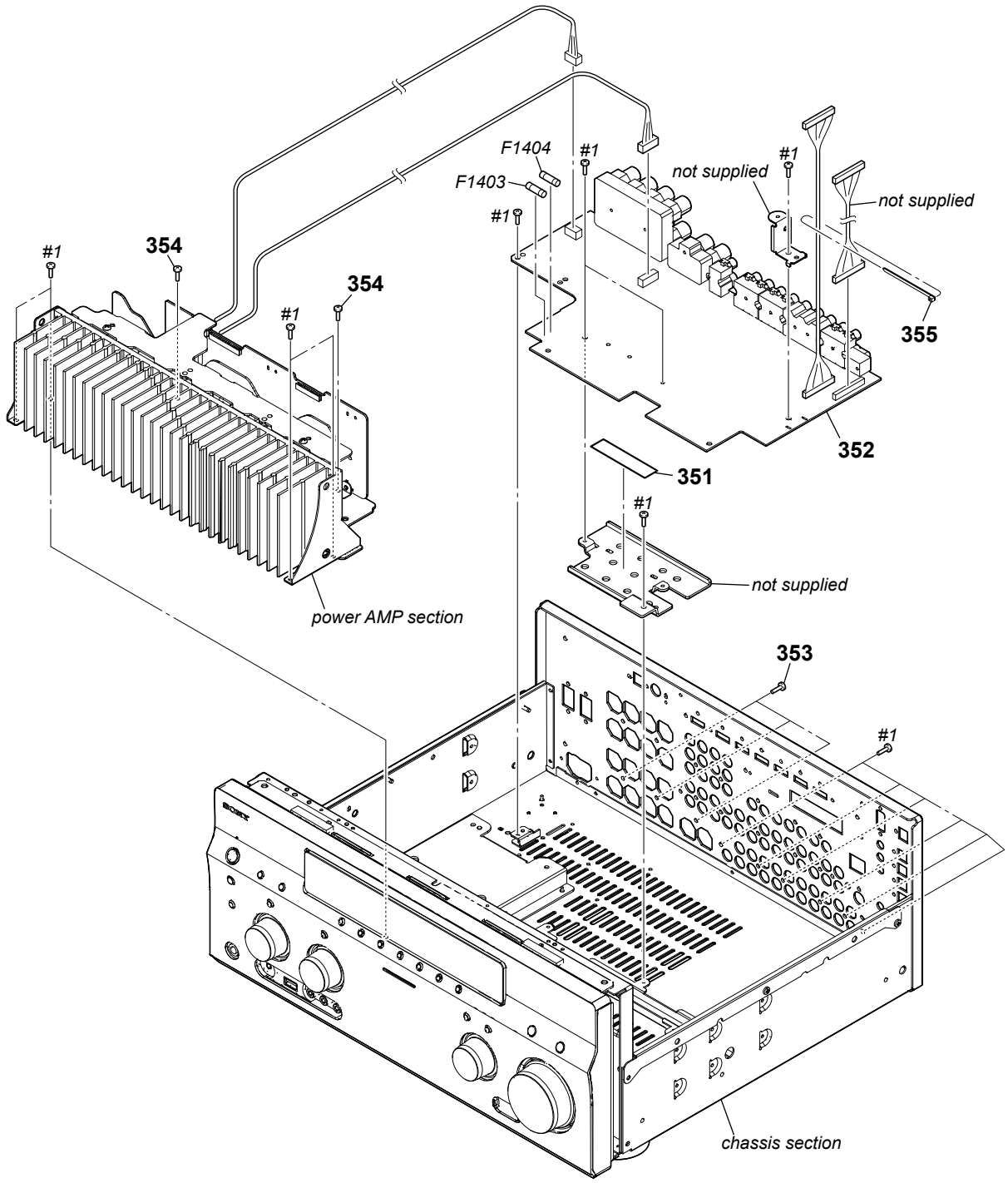
6-7. E-VOL BOARD SECTION



Ref. No.	Part No.	Description	Remark
301	A-1822-806-A	E-VOL BOARD, COMPLETE (US, CND)	
301	A-1822-807-A	E-VOL BOARD, COMPLETE (AEP, UK)	
302	2-580-644-01	SCREW, +KTP2 3X8	
303	3-704-515-51	SCREW (BV/RING)	
304	3-655-653-11	BAND (TAITON), BINDING	
⚠ AC1	1-821-082-21	INLET, AC 2P (~ AC IN)	
⚠ F03	1-533-420-12	FUSE, GLASS (DIA.5) (5 A/125 V) (US, CND)	

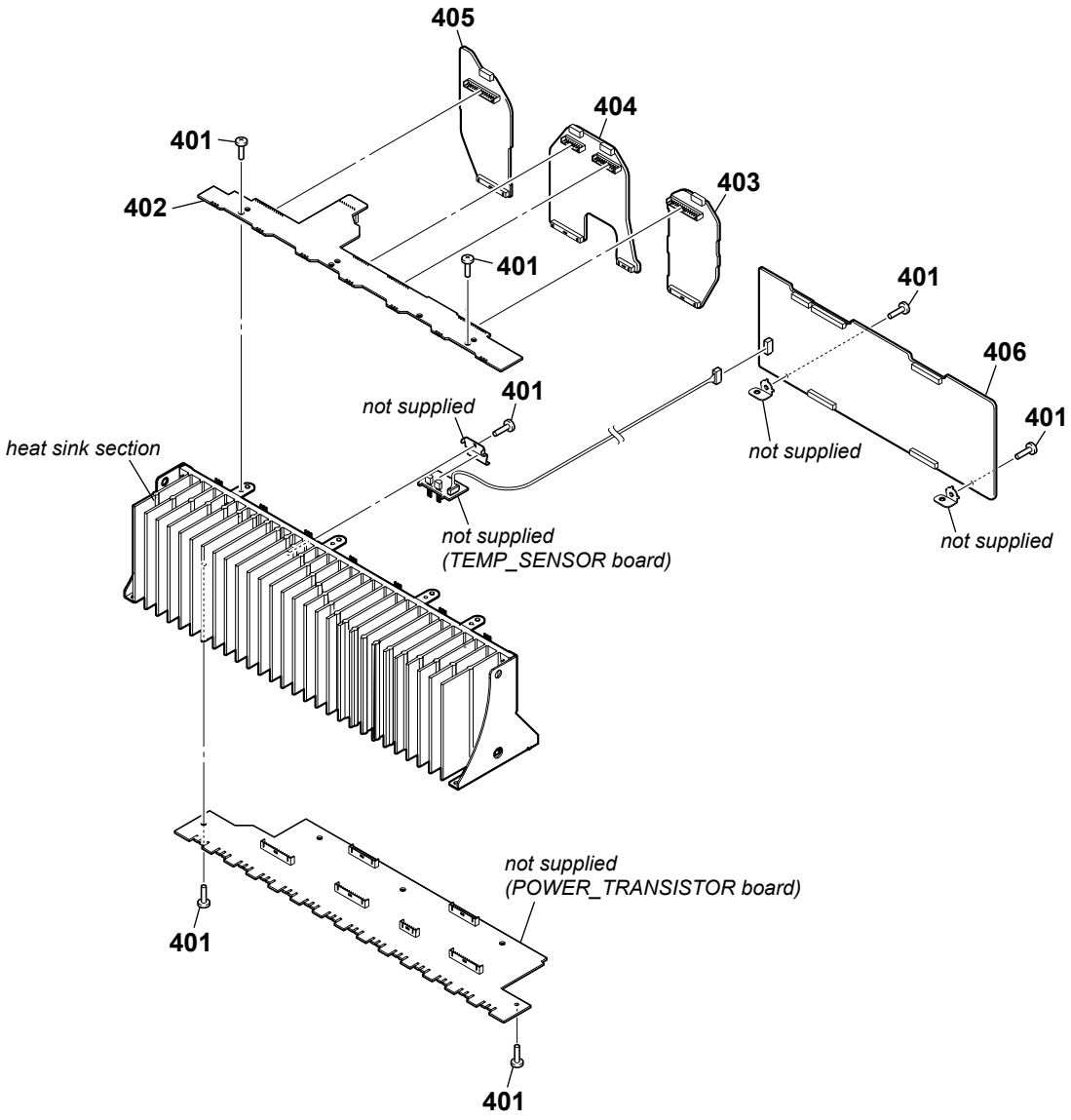
Ref. No.	Part No.	Description	Remark
⚠ F004	1-532-504-33	FUSE (T 4 AL/250 V) (AEP, UK)	
⚠ F004	1-533-311-12	FUSE, GLASS (DIA.5) (8 A/125 V) (US, CND)	
⚠ F901	1-532-503-33	FUSE (T 1.6 AL/250 V) (AEP, UK)	
⚠ F901	1-533-689-12	FUSE, GLASS (DIA.5) (1 A/125 V) (US, CND)	
FC6	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

6-8. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark
351	3-196-712-01	SHEET (H), RADIATION	
352	A-1822-761-A	MAIN BOARD, COMPLETE (US, CND)	
352	A-1822-762-A	MAIN BOARD, COMPLETE (AEP, UK)	
353	3-704-515-51	SCREW (BV/RING)	
354	4-974-510-11	SCREW (+BV 3X8 CU)	
355	3-655-653-01	BAND (TAITON), BINDING	
⚠ F1403	1-532-504-33	FUSE (T 4 AL/250 V)	
⚠ F1404	1-532-504-33	FUSE (T 4 AL/250 V)	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

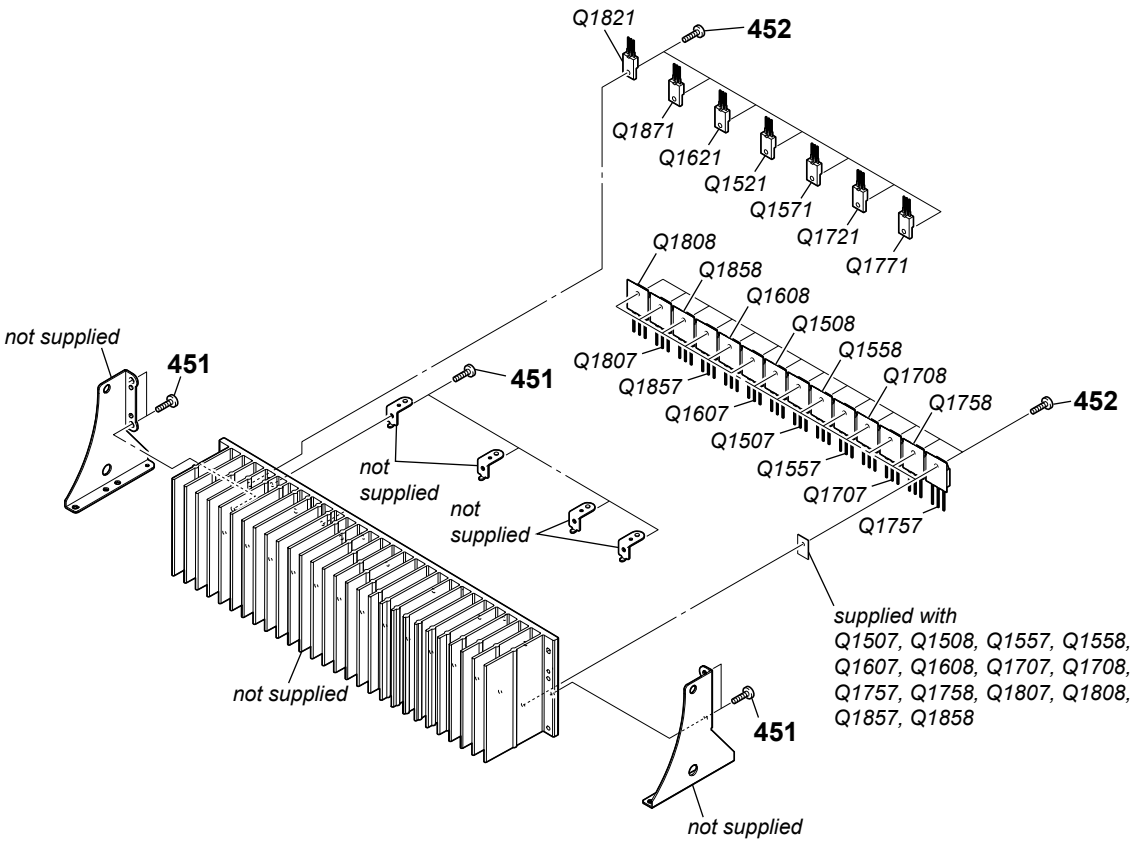
6-9. POWER AMP SECTION



Ref. No.	Part No.	Description	Remark
401	4-974-510-11	SCREW (+BV 3X8 CU)	
402	A-1822-776-A	BIAS BOARD, COMPLETE (US, CND)	
402	A-1822-777-A	BIAS BOARD, COMPLETE (AEP, UK)	
403	A-1822-782-A	PROTECTOR_SUR BOARD, COMPLETE	
404	A-1822-780-A	PROTECTOR_FC BOARD, COMPLETE	

Ref. No.	Part No.	Description	Remark
405	A-1822-781-A	PROTECTOR_SB BOARD, COMPLETE	
406	A-1822-771-A	A-CLASS_AMP BOARD, COMPLETE (US, CND)	
406	A-1822-772-A	A-CLASS_AMP BOARD, COMPLETE (AEP, UK)	

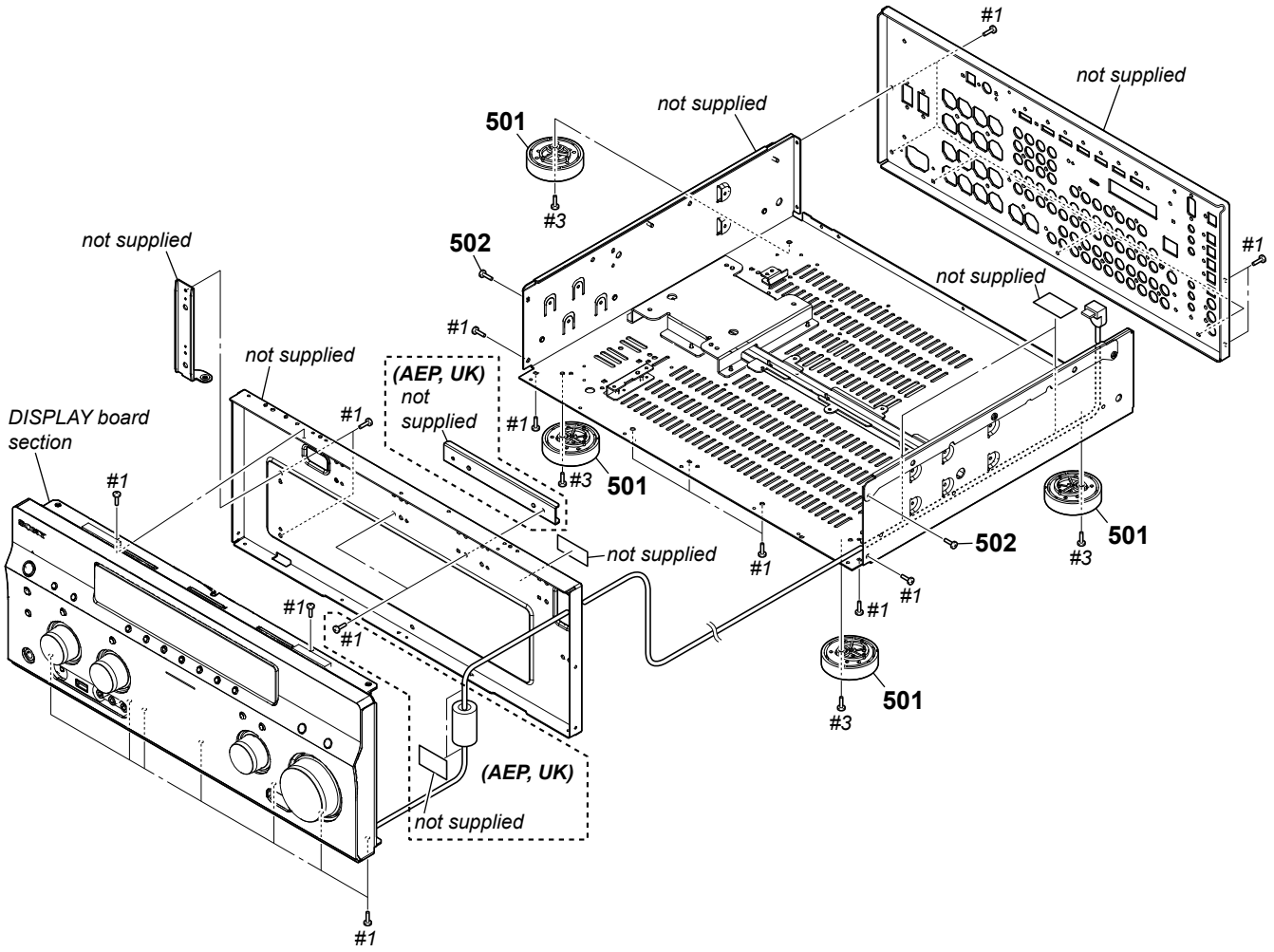
6-10. HEAT SINK SECTION



Ref. No.	Part No.	Description		Remark
451	4-974-510-11	SCREW (+BV 3X8 CU)		
452	3-905-609-13	SCREW (TRANSISTOR)		
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	

Ref. No.	Part No.	Description		Remark
Q1708	8-729-051-93	TRANSISTOR	2SB1647	
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	

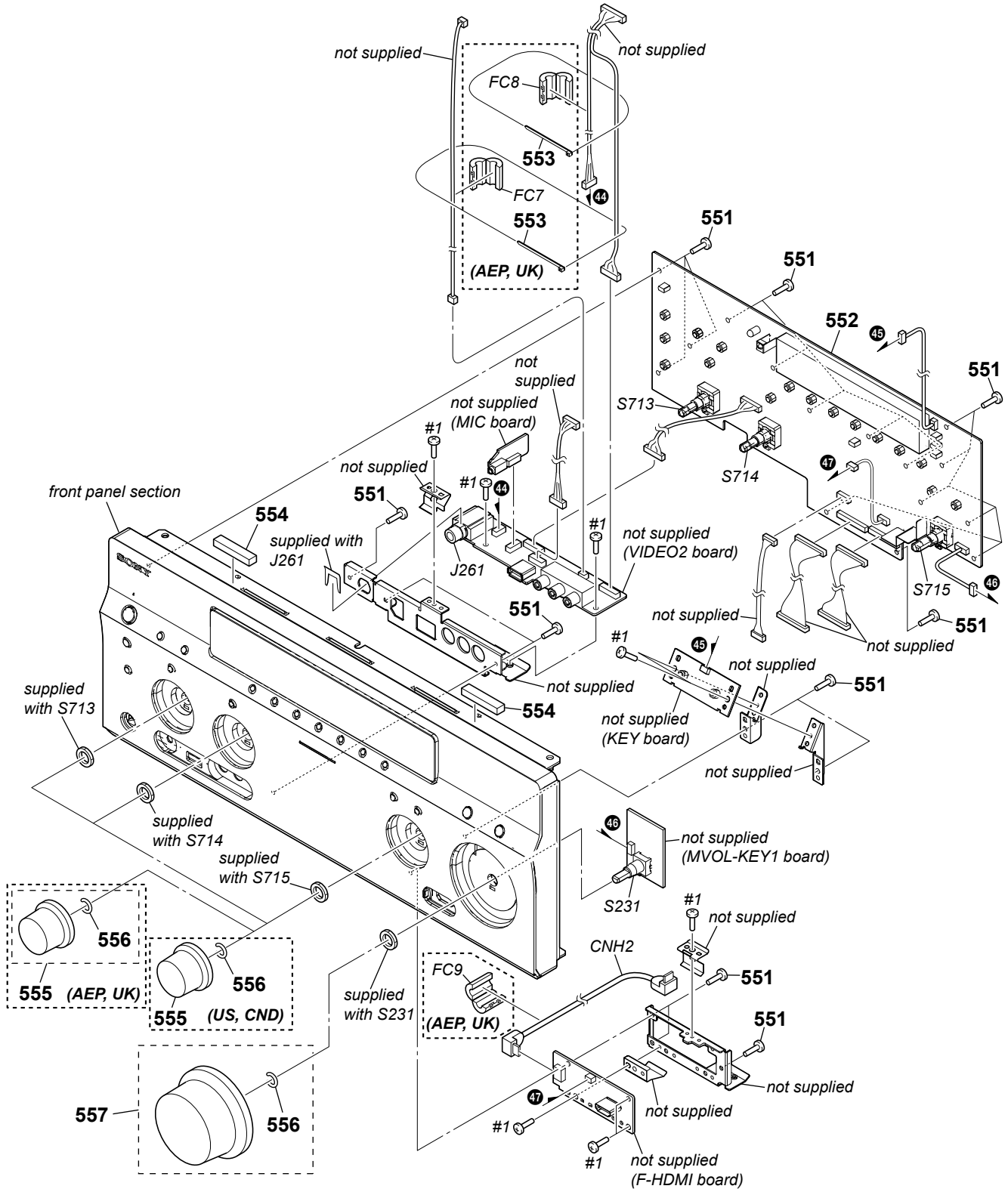
6-11. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
501	X-4955-348-1	FOOT ASSY	
502	3-906-887-11	SCREW (+BTP) (DIA. 3) (BZN-N) (AEP, UK)	
502	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3 (US, CND)	

Ref. No.	Part No.	Description	Remark
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-685-885-09	SCREW +BVTT 4X16 (S)	

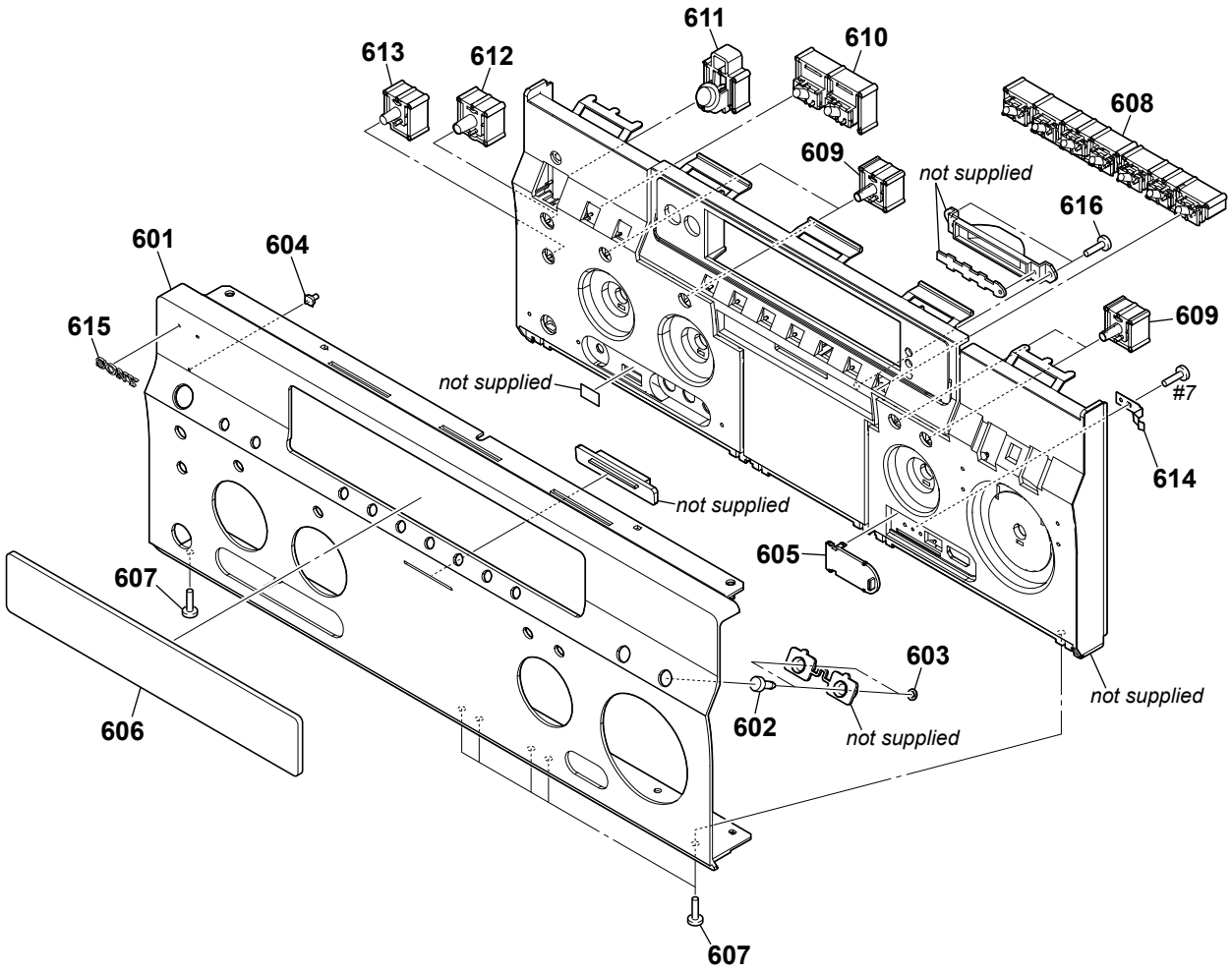
6-12. DISPLAY BOARD SECTION



Ref. No.	Part No.	Description	Remark
551	3-087-053-01	+BVTP2.6 (3CR)	
552	A-1822-812-A	DISPLAY BOARD, COMPLETE (US, CND)	
552	A-1822-813-A	DISPLAY BOARD, COMPLETE (AEP, UK)	
553	3-655-653-01	BAND (TAITON), BINDING (AEP, UK)	
554	4-152-293-01	SPACER (408)	
555	X-2581-550-2	KNOB (MENU) ASSY (AEP, UK)	
555	4-284-031-01	KNOB (MENU) (US, CND)	
556	3-350-426-01	SPRING, RING	
557	X-2581-551-2	KNOB (VOL) ASSY	
CNH2	1-839-150-11	CORD, CONNECTION (HDMI CABLE)	

Ref. No.	Part No.	Description	Remark
FC7	1-543-793-11	FILTER, CLAMP (FERRITE CORE) (AEP, UK)	
FC8	1-500-082-11	CLAMP, SLEEVE FERRITE (AEP, UK)	
FC9	1-500-386-11	FILTER, CLAMP (FERRITE CORE) (AEP, UK)	
J261	1-815-313-11	JACK (Including Mount plate) (PHONES)	
S231	1-418-725-41	ENCODER, ROTARY (12 TYPE) (Including Nut)	(MASTER VOLUME)
S713	1-476-980-11	ENCODER (Including Nut) (TONE)	
S714	1-476-980-11	ENCODER (Including Nut) (TUNING)	
S715	1-476-980-11	ENCODER (Including Nut) (INPUT SELECTOR)	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

6-13. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
601	4-281-430-02	PANEL, FRONT (US, CND)	
601	4-281-430-12	PANEL, FRONT (AEP, UK)	
602	4-283-309-02	BUTTON (SCENE)	
603	3-325-697-21	WASHER	
604	X-2581-599-1	LENS (LED) ASSY	
605	4-284-036-01	SHUTTER, SLIDE	
606	4-284-222-01	PLATE, INDICATION	
607	3-906-887-11	SCREW (+BTP) (DIA. 3) (BZN-N)	
608	X-2581-553-1	BUTTON (MUSIC) ASSY	
609	4-283-306-01	BUTTON (MODE)	

Ref. No.	Part No.	Description	Remark
610	X-2581-552-1	BUTTON (ENTER) ASSY	
611	X-2581-554-1	BUTTON (PW) ASSY	
612	4-283-304-01	BUTTON (SPEAKER)	
613	4-283-303-01	BUTTON (HDMI)	
614	4-284-196-01	SPRING (SHUTTER)	
615	4-942-568-41	EMBLEM (NO.5), SONY	
616	3-087-053-01	+BVTP2.6 (3CR)	
#7	7-685-504-19	SCREW +BTP 2X6 TYPE2 N-S	

SECTION 7
ELECTRICAL PARTS LIST

A AUDIO

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.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .
- Abbreviation
  CND : Canadian model

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

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

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

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

Ref. No.	Part No.	Description			Remark
	A-1822-829-A	A AUDIO BOARD, COMPLETE (US, CND)			
	A-1822-830-A	A AUDIO BOARD, COMPLETE (AEP, UK)			
		**********			
		< CAPACITOR >			
C404	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C405	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C406	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C407	1-110-390-11	ELECT	22uF	20%	63V
C408	1-110-390-11	ELECT	22uF	20%	63V
C431	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C432	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C433	1-112-100-11	ELECT	10uF	20%	50V
C434	1-114-264-91	ELECT	470uF	20%	16V
C435	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C436	1-136-153-00	FILM	0.01uF	5%	50V
C437	1-136-159-00	FILM	0.033uF	5%	50V
C438	1-112-100-11	ELECT	10uF	20%	50V
C439	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C440	1-114-263-91	ELECT	47uF	20%	25V
C451	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C452	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C453	1-112-100-11	ELECT	10uF	20%	50V
C454	1-114-264-91	ELECT	470uF	20%	16V
C455	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C456	1-136-153-00	FILM	0.01uF	5%	50V
C457	1-136-159-00	FILM	0.033uF	5%	50V
C458	1-112-100-11	ELECT	10uF	20%	50V
C459	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C460	1-114-263-91	ELECT	47uF	20%	25V
C471	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C472	1-110-390-11	ELECT	22uF	20%	63V
C473	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C474	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C476	1-110-390-11	ELECT	22uF	20%	63V
C481	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C482	1-110-390-11	ELECT	22uF	20%	63V
C483	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C484	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C486	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C488	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C489	1-110-390-11	ELECT	22uF	20%	63V
C491	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

Ref. No.	Part No.	Description			Remark
C492	1-110-390-11	ELECT	22uF	20%	63V
C493	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C494	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C496	1-110-390-11	ELECT	22uF	20%	63V
C501	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C503	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C504	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C506	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C507	1-110-390-11	ELECT	22uF	20%	63V
C508	1-110-390-11	ELECT	22uF	20%	63V
C511	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C521	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C530	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C540	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C551	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C561	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C581	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C586	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C591	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C601	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C602	1-114-339-91	CERAMIC CHIP	3300PF	5%	50V
C603	1-114-339-91	CERAMIC CHIP	3300PF	5%	50V
C604	1-114-339-91	CERAMIC CHIP	3300PF	5%	50V
C605	1-114-339-91	CERAMIC CHIP	3300PF	5%	50V
C606	1-114-339-91	CERAMIC CHIP	3300PF	5%	50V
C607	1-114-339-91	CERAMIC CHIP	3300PF	5%	50V
					(US, CND)
C611	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C621	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C631	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C636	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C637	1-114-814-11	CERAMIC CHIP	0.33uF	10%	25V
C638	1-114-814-11	CERAMIC CHIP	0.33uF	10%	25V
C639	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C640	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C641	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C645	1-112-411-11	ELECT	1000uF	20%	10V
C646	1-112-411-11	ELECT	1000uF	20%	10V
C651	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C661	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C666	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C671	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C681	1-164-230-11	CERAMIC CHIP	220PF	5%	50V

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Ref. No.	Part No.	Description			Remark
C720	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (US, CND)
C721	1-114-263-91	ELECT	47uF	20%	25V (US, CND)
C722	1-114-263-91	ELECT	47uF	20%	25V (US, CND)
C724	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (US, CND)
C727	1-114-263-91	ELECT	47uF	20%	25V (US, CND)
C728	1-114-263-91	ELECT	47uF	20%	25V (US, CND)
C730	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (US, CND)
C733	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (US, CND)
C734	1-114-263-91	ELECT	47uF	20%	25V
C735	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C736	1-112-085-11	ELECT	1000uF	20%	16V
C737	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C741	1-114-263-91	ELECT	47uF	20%	25V
C742	1-114-263-91	ELECT	47uF	20%	25V
C745	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C746	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C747	1-114-263-91	ELECT	47uF	20%	25V
C748	1-114-263-91	ELECT	47uF	20%	25V
C757	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C758	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C759	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
		< CONNECTOR >			
CN601	1-779-855-11	CONNECTOR, BOARD TO BOARD 20P			
CN602	1-784-927-11	PIN, CONNECTOR 12P			
CN603	1-568-830-11	CONNECTOR, FFC 11P (AEP, UK)			
CN604	1-784-770-11	CONNECTOR, FFC 9P (US, CND)			
CN605	1-784-929-11	PIN, CONNECTOR 14P			
CN606	1-794-509-11	PIN, CONNECTOR (PC BOARD) (3P)			
CN607	1-784-926-11	PIN, CONNECTOR 11P			
CN608	1-784-922-11	PIN, CONNECTOR 5P			
CN611	1-564-320-00	PIN, CONNECTOR (3.96 mm PITCH) 2P			
CN725	1-821-182-11	SOCKET, DIN 8P (SIRIUS) (US, CND)			
CN727	1-842-647-11	CONNECTOR, BOARD TO BOARD 7P			
		< DIODE >			
D486	6-502-961-01	DIODE DA2J10100L			
D487	6-502-961-01	DIODE DA2J10100L			
D488	6-502-961-01	DIODE DA2J10100L			
D490	6-502-961-01	DIODE DA2J10100L			
D500	6-502-961-01	DIODE DA2J10100L			
D506	6-502-961-01	DIODE DA2J10100L			
D530	6-502-961-01	DIODE DA2J10100L			
D550	6-502-961-01	DIODE DA2J10100L			
D590	6-502-961-01	DIODE DA2J10100L			
D610	6-502-961-01	DIODE DA2J10100L			
D630	6-502-961-01	DIODE DA2J10100L			
D640	6-502-961-01	DIODE DA2J10100L			
D670	6-502-961-01	DIODE DA2J10100L			
D680	6-502-961-01	DIODE DA2J10100L			
D727	6-502-961-01	DIODE DA2J10100L (US, CND)			
D728	6-502-961-01	DIODE DA2J10100L (US, CND)			
D729	6-502-398-01	DIODE SA10QA04			
D730	6-502-398-01	DIODE SA10QA04			
D731	6-502-398-01	DIODE SA10QA04			
D732	6-502-398-01	DIODE SA10QA04			
D733	6-502-961-01	DIODE DA2J10100L			
D734	6-502-961-01	DIODE DA2J10100L			
D735	6-502-961-01	DIODE DA2J10100L			
D736	6-502-961-01	DIODE DA2J10100L			
D737	6-502-961-01	DIODE DA2J10100L			
D738	6-502-961-01	DIODE DA2J10100L			
D739	6-502-961-01	DIODE DA2J10100L			
D740	6-502-961-01	DIODE DA2J10100L			
		< IC >			
IC401	6-711-760-01	IC BD3471KS2			
IC440	8-759-710-97	IC NJM4565M-D			
IC480	8-759-710-97	IC NJM4565M-D			
IC590	8-759-710-97	IC NJM4565M-D			
IC622	8-759-710-97	IC NJM4565M-D			
IC624	8-759-710-97	IC NJM4565M-D (US, CND)			
IC641	6-714-956-01	IC NJM79L07UA-TE1			
IC642	6-714-945-01	IC NJM78L07UA-TE1			
IC654	6-701-011-01	IC uPC2910T-E1			
		< JACK >			
J630	1-774-411-11	JACK, PIN 6P (VIDEO 1 AUDIO OUT, VIDEO 1/ SAT/CATV AUDIO IN) (US, CND)			
J630	1-794-984-11	JACK, PIN 6P (VIDEO 1 AUDIO OUT, VIDEO 1/ SAT/CATV AUDIO IN) (AEP, UK)			
J650	1-794-981-11	JACK, PIN 4P (MD IN, TAPE OUT) (US, CND)			
J650	1-794-982-11	JACK, PIN 4P (MD IN, TAPE OUT) (AEP, UK)			
J660	1-794-981-11	JACK, PIN 4P (TAPE/TV IN) (US, CND)			
J660	1-794-982-11	JACK, PIN 4P (TAPE/TV IN) (AEP, UK)			
J661	1-794-981-11	JACK, PIN 4P (GAME/BD/DVD AUDIO IN) (US, CND)			
J661	1-794-982-11	JACK, PIN 4P (GAME/BD/DVD AUDIO IN) (AEP, UK)			
J662	1-821-674-11	JACK, PIN 2P (PHONO IN) (US, CND)			
J662	1-821-675-11	JACK, PIN 2P (PHONO IN) (AEP, UK)			
J663	1-794-981-11	JACK, PIN 4P (ZONE 3 AUDIO OUT, ZONE 2 AUDIO OUT VARIABLE) (US, CND)			
J663	1-794-982-11	JACK, PIN 4P (ZONE 3 AUDIO OUT, ZONE 2 AUDIO OUT VARIABLE) (AEP, UK)			
		< COIL >			
L730	1-414-493-41	INDUCTOR	4.7mH		
		< TRANSISTOR >			
Q001	8-729-230-49	TRANSISTOR	2SC2712-YG		
		< RESISTOR >			
R403	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R404	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R405	1-208-462-41	RES-CHIP	10K	2%	1/10W
R406	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
⚠ R409	1-249-393-91	CARBON	10	5%	1/4W F
R412	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R413	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R431	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R432	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R433	1-216-699-11	METAL CHIP	100K	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R434	1-216-633-11	METAL CHIP	180	0.5%	1/10W
R435	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R436	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R437	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R438	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R439	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R440	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R451	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R452	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R453	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R454	1-216-633-11	METAL CHIP	180	0.5%	1/10W
R455	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R456	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R457	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R458	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R459	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R460	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R471	1-208-437-41	RES-CHIP	1K	2%	1/10W
R472	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R473	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R474	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R475	1-208-526-41	RES-CHIP	47K	2%	1/10W
R476	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R477	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R481	1-208-437-41	RES-CHIP	1K	2%	1/10W
R482	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R483	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R484	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R485	1-208-526-41	RES-CHIP	47K	2%	1/10W
R486	1-208-462-41	RES-CHIP	10K	2%	1/10W
R487	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
⚠ R488	1-249-393-91	CARBON	10	5%	1/4W F
R489	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R491	1-208-437-41	RES-CHIP	1K	2%	1/10W
R492	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R493	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R494	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R495	1-208-526-41	RES-CHIP	47K	2%	1/10W
R496	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R501	1-208-437-41	RES-CHIP	1K	2%	1/10W
R502	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R503	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R505	1-208-526-41	RES-CHIP	47K	2%	1/10W
R506	1-208-462-41	RES-CHIP	10K	2%	1/10W
R507	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
⚠ R508	1-249-393-91	CARBON	10	5%	1/4W F
R509	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R510	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R511	1-208-437-41	RES-CHIP	1K	2%	1/10W
R521	1-208-437-41	RES-CHIP	1K	2%	1/10W
R531	1-208-437-41	RES-CHIP	1K	2%	1/10W
R541	1-208-437-41	RES-CHIP	1K	2%	1/10W
R551	1-208-437-41	RES-CHIP	1K	2%	1/10W
R561	1-208-437-41	RES-CHIP	1K	2%	1/10W
R578	1-216-295-91	SHORT CHIP	0		
R579	1-216-295-91	SHORT CHIP	0		
R581	1-208-437-41	RES-CHIP	1K	2%	1/10W
R582	1-216-295-91	SHORT CHIP	0		
R586	1-208-437-41	RES-CHIP	1K	2%	1/10W
R591	1-208-437-41	RES-CHIP	1K	2%	1/10W

Ref. No.	Part No.	Description			Remark
R601	1-208-437-41	RES-CHIP	1K	2%	1/10W
R611	1-208-437-41	RES-CHIP	1K	2%	1/10W
R621	1-208-437-41	RES-CHIP	1K	2%	1/10W
R641	1-208-437-41	RES-CHIP	1K	2%	1/10W
R651	1-208-437-41	RES-CHIP	1K	2%	1/10W
R661	1-208-437-41	RES-CHIP	1K	2%	1/10W
R662	1-208-437-41	RES-CHIP	1K	2%	1/10W
R665	1-208-437-41	RES-CHIP	1K	2%	1/10W
R666	1-208-437-41	RES-CHIP	1K	2%	1/10W
R671	1-208-437-41	RES-CHIP	1K	2%	1/10W
R681	1-208-437-41	RES-CHIP	1K	2%	1/10W
R686	1-216-295-91	SHORT CHIP	0		
R687	1-216-295-91	SHORT CHIP	0		
R711	1-208-526-41	RES-CHIP	47K	2%	1/10W (US, CND)
R725	1-208-526-41	RES-CHIP	47K	2%	1/10W (US, CND)
R741	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R742	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R743	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R744	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R745	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R746	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R747	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R750	1-216-295-91	SHORT CHIP	0		
R751	1-216-295-91	SHORT CHIP	0 (AEP, UK)		
R751	1-216-308-00	METAL CHIP	4.7	5%	1/10W (US, CND)
R753	1-208-526-41	RES-CHIP	47K	2%	1/10W
R754	1-208-526-41	RES-CHIP	47K	2%	1/10W
R765	1-216-295-91	SHORT CHIP	0		
R770	1-216-295-91	SHORT CHIP	0		
R775	1-208-462-41	RES-CHIP	10K	2%	1/10W
R776	1-216-295-91	SHORT CHIP	0		
R777	1-216-295-91	SHORT CHIP	0		
R778	1-216-295-91	SHORT CHIP	0		
R781	1-216-295-91	SHORT CHIP	0		
R782	1-216-295-91	SHORT CHIP	0		
R783	1-216-295-91	SHORT CHIP	0		
R784	1-216-295-91	SHORT CHIP	0		
R785	1-216-295-91	SHORT CHIP	0		
R786	1-216-295-91	SHORT CHIP	0		
R787	1-216-295-91	SHORT CHIP	0		
R788	1-216-295-91	SHORT CHIP	0		
R795	1-216-699-11	METAL CHIP	100K	0.5%	1/10W (US, CND)
		< RELAY >			
RY486	1-755-486-11	RELAY			
RY487	1-755-486-11	RELAY			
RY488	1-755-486-11	RELAY			
RY506	1-755-486-11	RELAY			
		< TRANSISTOR >			
TR486	8-729-230-49	TRANSISTOR	2SC2712-YG		
TR487	8-729-230-49	TRANSISTOR	2SC2712-YG		
TR506	8-729-230-49	TRANSISTOR	2SC2712-YG		

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A-CLASS_AMP

Ref. No.	Part No.	Description			Remark
	A-1822-771-A	A-CLASS_AMP BOARD, COMPLETE (US, CND)			
	A-1822-772-A	A-CLASS_AMP BOARD, COMPLETE (AEP, UK)			
		**********			
		< CAPACITOR >			
C1501	1-112-099-11	ELECT	4.7uF	20%	50V
C1502	1-107-792-31	CERAMIC	100PF	5%	1KV
C1503	1-114-891-91	FILM	100PF	5%	250V
C1504	1-114-901-91	FILM	680PF	5%	250V
C1505	1-112-090-11	ELECT	100uF	20%	25V
C1507	1-116-181-31	CERAMIC	7PF		1KV
C1508	1-112-421-11	ELECT	330uF	20%	25V
C1510	1-112-416-11	ELECT	220uF	20%	16V
C1511	1-116-179-31	CERAMIC	5PF		1KV
C1515	1-116-179-31	CERAMIC	5PF		1KV
C1551	1-112-099-11	ELECT	4.7uF	20%	50V
C1552	1-107-792-31	CERAMIC	100PF	5%	1KV
C1553	1-114-891-91	FILM	100PF	5%	250V
C1554	1-114-901-91	FILM	680PF	5%	250V
C1555	1-112-090-11	ELECT	100uF	20%	25V
C1557	1-116-181-31	CERAMIC	7PF		1KV
C1558	1-112-421-11	ELECT	330uF	20%	25V
C1560	1-112-416-11	ELECT	220uF	20%	16V
C1561	1-116-179-31	CERAMIC	5PF		1KV
C1565	1-116-179-31	CERAMIC	5PF		1KV
C1601	1-112-099-11	ELECT	4.7uF	20%	50V
C1602	1-107-792-31	CERAMIC	100PF	5%	1KV
C1603	1-114-891-91	FILM	100PF	5%	250V
C1604	1-114-901-91	FILM	680PF	5%	250V
C1605	1-112-090-11	ELECT	100uF	20%	25V
C1607	1-116-181-31	CERAMIC	7PF		1KV
C1608	1-112-421-11	ELECT	330uF	20%	25V
C1610	1-112-416-11	ELECT	220uF	20%	16V
C1611	1-116-179-31	CERAMIC	5PF		1KV
C1615	1-116-179-31	CERAMIC	5PF		1KV
C1701	1-112-099-11	ELECT	4.7uF	20%	50V
C1702	1-107-792-31	CERAMIC	100PF	5%	1KV
C1703	1-114-891-91	FILM	100PF	5%	250V
C1704	1-114-901-91	FILM	680PF	5%	250V
C1705	1-112-090-11	ELECT	100uF	20%	25V
C1707	1-116-181-31	CERAMIC	7PF		1KV
C1708	1-112-421-11	ELECT	330uF	20%	25V
C1710	1-112-416-11	ELECT	220uF	20%	16V
C1711	1-116-179-31	CERAMIC	5PF		1KV
C1715	1-116-179-31	CERAMIC	5PF		1KV
C1751	1-112-099-11	ELECT	4.7uF	20%	50V
C1752	1-107-792-31	CERAMIC	100PF	5%	1KV
C1753	1-114-891-91	FILM	100PF	5%	250V
C1754	1-114-901-91	FILM	680PF	5%	250V
C1755	1-112-090-11	ELECT	100uF	20%	25V
C1757	1-116-181-31	CERAMIC	7PF		1KV
C1758	1-112-421-11	ELECT	330uF	20%	25V
C1760	1-112-416-11	ELECT	220uF	20%	16V
C1761	1-116-179-31	CERAMIC	5PF		1KV
C1765	1-116-179-31	CERAMIC	5PF		1KV
C1801	1-112-099-11	ELECT	4.7uF	20%	50V
C1802	1-107-792-31	CERAMIC	100PF	5%	1KV
C1803	1-114-891-91	FILM	100PF	5%	250V
C1804	1-114-901-91	FILM	680PF	5%	250V
C1805	1-112-090-11	ELECT	100uF	20%	25V
C1807	1-116-181-31	CERAMIC	7PF		1KV
C1808	1-112-421-11	ELECT	330uF	20%	25V
C1810	1-112-416-11	ELECT	220uF	20%	16V
C1811	1-116-179-31	CERAMIC	5PF		1KV
C1815	1-116-179-31	CERAMIC	5PF		1KV
C1851	1-112-099-11	ELECT	4.7uF	20%	50V
C1852	1-107-792-31	CERAMIC	100PF	5%	1KV
C1853	1-114-891-91	FILM	100PF	5%	250V
C1854	1-114-901-91	FILM	680PF	5%	250V
C1855	1-112-090-11	ELECT	100uF	20%	25V
C1857	1-116-181-31	CERAMIC	7PF		1KV
C1858	1-112-421-11	ELECT	330uF	20%	25V
C1860	1-112-416-11	ELECT	220uF	20%	16V
C1861	1-116-179-31	CERAMIC	5PF		1KV
C1865	1-116-179-31	CERAMIC	5PF		1KV
C1901	1-112-109-11	ELECT	22uF	20%	100V
C1902	1-112-109-11	ELECT	22uF	20%	100V
C1911	1-126-923-91	ELECT	220uF	20%	10V
C1912	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C1917	1-126-963-11	ELECT	4.7uF	20%	50V
		< CONNECTOR >			
CN1504	1-842-650-11	CONNECTOR, BOARD TO BOARD 12P			
CN1505	1-842-654-11	CONNECTOR, BOARD TO BOARD 16P			
CN1905	1-842-650-11	CONNECTOR, BOARD TO BOARD 12P			
CN1906	1-842-650-11	CONNECTOR, BOARD TO BOARD 12P			
CN1908	1-842-648-11	CONNECTOR, BOARD TO BOARD 9P			
CN1909	1-784-921-11	PIN, CONNECTOR 4P			
		< DIODE >			
D1501	6-502-968-01	DIODE DZ2J062M0L			
D1551	6-502-968-01	DIODE DZ2J062M0L			
D1601	6-502-968-01	DIODE DZ2J062M0L			
D1701	6-502-968-01	DIODE DZ2J062M0L			
D1751	6-502-968-01	DIODE DZ2J062M0L			
D1801	6-502-968-01	DIODE DZ2J062M0L			
D1851	6-502-968-01	DIODE DZ2J062M0L			
D1901	6-502-961-01	DIODE DA2J10100L			
D1902	6-502-961-01	DIODE DA2J10100L			
D1903	6-502-961-01	DIODE DA2J10100L			
D1907	6-502-961-01	DIODE DA2J10100L			
D1911	6-502-961-01	DIODE DA2J10100L			
D1921	6-502-961-01	DIODE DA2J10100L			
D1922	6-502-961-01	DIODE DA2J10100L			
D1923	6-502-961-01	DIODE DA2J10100L			
D1924	6-502-961-01	DIODE DA2J10100L			
D1925	6-502-961-01	DIODE DA2J10100L			
D1926	6-502-961-01	DIODE DA2J10100L			
D1927	6-502-961-01	DIODE DA2J10100L			
		< IC >			
IC1902	8-759-701-01	IC NJM2904M			
IC1904	6-716-097-01	IC S-815A50AMC-I3JTFU			
		< TRANSISTOR >			
Q1501	6-550-031-01	TRANSISTOR	HN4C06J-GRBL (TE85R)		
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		

Ref. No.	Part No.	Description		Remark
Q1551	6-550-031-01	TRANSISTOR	HN4C06J-GRBL (TE85R)	
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	6-550-031-01	TRANSISTOR	HN4C06J-GRBL (TE85R)	
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	6-550-031-01	TRANSISTOR	HN4C06J-GRBL (TE85R)	
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	6-550-031-01	TRANSISTOR	HN4C06J-GRBL (TE85R)	
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	6-550-031-01	TRANSISTOR	HN4C06J-GRBL (TE85R)	
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	6-550-031-01	TRANSISTOR	HN4C06J-GRBL (TE85R)	
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	8-729-216-31	TRANSISTOR	2SA1163-G	
Q1902	8-729-140-96	TRANSISTOR	2SD774-34	
Q1903	8-729-140-96	TRANSISTOR	2SD774-34	
Q1910	8-729-027-56	TRANSISTOR	DTC143TKA-T146	
Q1911	8-729-901-00	TRANSISTOR	DTC124EK	
Q1912	8-729-901-00	TRANSISTOR	DTC124EK	
Q1913	8-729-901-00	TRANSISTOR	DTC124EK	
Q1914	8-729-901-00	TRANSISTOR	DTC124EK	

< RESISTOR >

Ref. No.	Part No.	Description				Remark
R1501	1-259-428-61	CARBON	1K	5%	1/6W	
R1502	1-259-476-61	CARBON	100K	5%	1/6W	
⚠ R1503	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1504	1-249-409-91	CARBON	220	5%	1/4W	F
R1505	1-259-416-61	CARBON	330	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	1-260-123-11	CARBON	100K	5%	1/2W	
⚠ R1511	1-249-405-91	CARBON	100	5%	1/4W	F
R1512	1-260-111-11	CARBON	10K	5%	1/2W	
R1513	1-260-335-11	CARBON	3.9K	5%	1/2W	
R1514	1-260-123-11	CARBON	100K	5%	1/2W	
R1549	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R1551	1-259-428-61	CARBON	1K	5%	1/6W	
R1552	1-259-476-61	CARBON	100K	5%	1/6W	
⚠ R1553	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1554	1-249-409-91	CARBON	220	5%	1/4W	F
R1555	1-259-416-61	CARBON	330	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	1-260-123-11	CARBON	100K	5%	1/2W	
⚠ R1561	1-249-405-91	CARBON	100	5%	1/4W	F
R1562	1-260-111-11	CARBON	10K	5%	1/2W	
R1563	1-260-335-11	CARBON	3.9K	5%	1/2W	
R1564	1-260-123-11	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	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1604	1-249-409-91	CARBON	220	5%	1/4W	F
R1605	1-259-416-61	CARBON	330	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	1-260-123-11	CARBON	100K	5%	1/2W	
⚠ R1611	1-249-405-91	CARBON	100	5%	1/4W	F
R1612	1-260-111-11	CARBON	10K	5%	1/2W	
R1613	1-260-335-11	CARBON	3.9K	5%	1/2W	
R1614	1-260-123-11	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	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1704	1-249-409-91	CARBON	220	5%	1/4W	F
R1705	1-259-416-61	CARBON	330	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	1-260-123-11	CARBON	100K	5%	1/2W	
⚠ R1711	1-249-405-91	CARBON	100	5%	1/4W	F
R1712	1-260-111-11	CARBON	10K	5%	1/2W	
R1713	1-260-335-11	CARBON	3.9K	5%	1/2W	
R1714	1-260-123-11	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	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1754	1-249-409-91	CARBON	220	5%	1/4W	F
R1755	1-259-416-61	CARBON	330	5%	1/6W	
R1756	1-259-440-61	CARBON	3.3K	5%	1/6W	
R1757	1-259-436-61	CARBON	2.2K	5%	1/6W	
R1759	1-260-123-11	CARBON	100K	5%	1/2W	
⚠ R1761	1-249-405-91	CARBON	100	5%	1/4W	F
R1762	1-260-111-11	CARBON	10K	5%	1/2W	
R1763	1-260-335-11	CARBON	3.9K	5%	1/2W	
R1764	1-260-123-11	CARBON	100K	5%	1/2W	
R1801	1-259-428-61	CARBON	1K	5%	1/6W	
R1802	1-259-476-61	CARBON	100K	5%	1/6W	
⚠ R1803	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1804	1-249-409-91	CARBON	220	5%	1/4W	F
R1805	1-259-416-61	CARBON	330	5%	1/6W	
R1806	1-259-440-61	CARBON	3.3K	5%	1/6W	
R1807	1-259-436-61	CARBON	2.2K	5%	1/6W	
R1809	1-260-123-11	CARBON	100K	5%	1/2W	
⚠ R1811	1-249-405-91	CARBON	100	5%	1/4W	F
R1812	1-260-111-11	CARBON	10K	5%	1/2W	
R1813	1-260-335-11	CARBON	3.9K	5%	1/2W	
R1814	1-260-123-11	CARBON	100K	5%	1/2W	
R1851	1-259-428-61	CARBON	1K	5%	1/6W	
R1852	1-259-476-61	CARBON	100K	5%	1/6W	
⚠ R1853	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1854	1-249-409-91	CARBON	220	5%	1/4W	F
R1855	1-259-416-61	CARBON	330	5%	1/6W	
R1856	1-259-440-61	CARBON	3.3K	5%	1/6W	
R1857	1-259-436-61	CARBON	2.2K	5%	1/6W	

A-CLASS_AMP **A-VIDEO**

Ref. No.	Part No.	Description			Remark
R1859	1-260-123-11	CARBON	100K	5%	1/2W
⚠ R1861	1-249-405-91	CARBON	100	5%	1/4W F
R1862	1-260-111-11	CARBON	10K	5%	1/2W
R1863	1-260-335-11	CARBON	3.9K	5%	1/2W
R1864	1-260-123-11	CARBON	100K	5%	1/2W
R1901	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1902	1-216-837-11	METAL CHIP	22K	5%	1/10W
⚠ R1903	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R1904	1-249-429-91	CARBON	10K	5%	1/4W F
⚠ R1905	1-215-893-51	METAL OXIDE	1.5K	5%	2W F (AEP, UK)
⚠ R1905	1-216-458-51	METAL OXIDE	1.8K	5%	2W F (US, CND)
⚠ R1906	1-249-429-91	CARBON	10K	5%	1/4W F
R1907	1-216-845-11	METAL CHIP	100K	5%	1/10W
⚠ R1908	1-215-890-51	METAL OXIDE	470	5%	2W F
R1909	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1910	1-216-837-11	METAL CHIP	22K	5%	1/10W (US, CND)
R1910	1-216-851-11	METAL CHIP	330K	5%	1/10W (AEP, UK)
R1920	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1921	1-216-844-11	METAL CHIP	82K	5%	1/10W (US, CND)
R1921	1-218-292-11	METAL CHIP	20K	5%	1/10W (AEP, UK)
R1922	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1924	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1925	1-218-725-11	METAL CHIP	24K	0.5%	1/10W
R1927	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1930	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1931	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1932	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R1934	1-215-893-51	METAL OXIDE	1.5K	5%	2W F (AEP, UK)
⚠ R1934	1-216-458-51	METAL OXIDE	1.8K	5%	2W F (US, CND)
R1936	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1937	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠ R1938	1-249-429-91	CARBON	10K	5%	1/4W F
⚠ R1939	1-249-429-91	CARBON	10K	5%	1/4W F

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A-1822-854-A A-VIDEO BOARD, COMPLETE (US, CND)
A-1822-855-A A-VIDEO BOARD, COMPLETE (AEP, UK)
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< CAPACITOR >

C6002	1-126-964-11	ELECT	10uF	20%	50V
C6003	1-126-964-11	ELECT	10uF	20%	50V
C6004	1-126-964-11	ELECT	10uF	20%	50V
C6005	1-126-964-11	ELECT	10uF	20%	50V
C6006	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6009	1-126-964-11	ELECT	10uF	20%	50V
C6010	1-126-964-11	ELECT	10uF	20%	50V
C6011	1-126-964-11	ELECT	10uF	20%	50V
C6012	1-126-964-11	ELECT	10uF	20%	50V
C6013	1-126-964-11	ELECT	10uF	20%	50V
C6014	1-126-964-11	ELECT	10uF	20%	50V
C6015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6017	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6018	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V
C6019	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6023	1-126-947-11	ELECT	47uF	20%	35V (US, CND)
C6025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6047	1-126-947-11	ELECT	47uF	20%	35V
C6048	1-126-947-11	ELECT	47uF	20%	35V
C6063	1-126-947-11	ELECT	47uF	20%	35V
C6064	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V
C6065	1-126-947-11	ELECT	47uF	20%	35V
C6066	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C6069	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V (US, CND)
C6071	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (US, CND)
C6072	1-116-734-11	CERAMIC CHIP	1uF	20%	16V (US, CND)
C6075	1-126-964-11	ELECT	10uF	20%	50V
C6076	1-126-964-11	ELECT	10uF	20%	50V
C6077	1-126-964-11	ELECT	10uF	20%	50V
C6078	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C6079	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6080	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C6084	1-126-964-11	ELECT	10uF	20%	50V (US, CND)
C6085	1-126-964-11	ELECT	10uF	20%	50V (US, CND)
C6086	1-126-964-11	ELECT	10uF	20%	50V (US, CND)
C6087	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6088	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6089	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6090	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6091	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6092	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6093	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6095	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6096	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6097	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6098	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6099	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6100	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V
C6101	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V
C6102	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6103	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6104	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6105	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6106	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6141	1-126-964-11	ELECT	10uF	20%	50V
C6142	1-126-964-11	ELECT	10uF	20%	50V
C6143	1-126-964-11	ELECT	10uF	20%	50V
C6144	1-126-964-11	ELECT	10uF	20%	50V
C6145	1-126-964-11	ELECT	10uF	20%	50V
C6146	1-126-964-11	ELECT	10uF	20%	50V
C6147	1-126-964-11	ELECT	10uF	20%	50V
C6148	1-126-964-11	ELECT	10uF	20%	50V
C6154	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V

Ref. No.	Part No.	Description			Remark
C6155	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6156	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6176	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C6177	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C6178	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C6301	1-126-947-11	ELECT	47uF	20%	35V
C6302	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6303	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C6304	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C6305	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6306	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6307	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6308	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6309	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6310	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6311	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6312	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6313	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6314	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6315	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6316	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6317	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6318	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6319	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6320	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6321	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6322	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6323	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6324	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6325	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6326	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6327	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6328	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6329	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6330	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6331	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6332	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6333	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6334	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
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
C6338	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6339	1-126-947-11	ELECT	47uF	20%	35V
C6340	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6341	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6342	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6343	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6344	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6345	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6346	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6347	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6348	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6349	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C6350	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C6351	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6352	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6353	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6354	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6355	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C6356	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6357	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6358	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6359	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6360	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6361	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6362	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6363	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6364	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6365	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6366	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6367	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6368	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6369	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6370	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6371	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6372	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6373	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6374	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6375	1-104-658-91	ELECT	100uF	20%	10V
C6376	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C6377	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C6378	1-126-947-11	ELECT	47uF	20%	35V
C6379	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6380	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V
C6381	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6382	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6383	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C6384	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6385	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6386	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6387	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6388	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6389	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6390	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C6391	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C6392	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6393	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C6394	1-104-658-91	ELECT	100uF	20%	10V
C6395	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C6396	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V
C6397	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V
C6398	1-164-733-11	CERAMIC CHIP	820PF	10%	50V
C6399	1-126-947-11	ELECT	47uF	20%	35V
C6400	1-104-658-91	ELECT	100uF	20%	10V
C6401	1-104-658-91	ELECT	100uF	20%	10V
C6402	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C6403	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V
C6404	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6405	1-114-811-11	CERAMIC CHIP	0.0033uF	10%	50V
C6406	1-114-811-11	CERAMIC CHIP	0.0033uF	10%	50V (AEP, UK)
		< MODULAR JACK/CONNECTOR >			
CN6000	1-842-137-11	JACK, MODULAR (ZONE 2 VIDEO OUT)			(US, CND)
CN6003	1-770-469-21	PIN, CONNECTOR (PC BOARD) 2P			
CN6007	1-564-505-11	PLUG, CONNECTOR 2P			
* CN6008	1-564-509-11	PLUG, CONNECTOR 6P			
CN6009	1-784-617-11	CONNECTOR, BOARD TO BOARD 16P			

A-VIDEO

Ref. No.	Part No.	Description	Remark
CN6301	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P	
CN6303	1-785-125-21	CONNECTOR 6P	
		< DIODE >	
D6100	6-502-961-01	DIODE DA2J10100L	
D6101	6-502-961-01	DIODE DA2J10100L	
D6301	6-502-398-01	DIODE SA10QA04	
D6302	6-502-398-01	DIODE SA10QA04	
D6303	6-502-398-01	DIODE SA10QA04	
D6506	6-502-398-01	DIODE SA10QA04	
		< FERRITE BEAD/RESISTOR >	
FB6301	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB6302	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB6303	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB6304	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB6305	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB6306	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB6307	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB6310	1-216-813-11	METAL CHIP 220 5% 1/10W	
		< FILTER >	
FL6301	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL6302	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
		< IC >	
IC6010	6-705-337-01	IC TK11150CSCL-G	
IC6011	6-708-913-01	IC TK73400AU3G0L-C (US, CND)	
IC6014	6-715-183-01	IC NJW1327FU1	
IC6015	6-708-913-01	IC TK73400AU3G0L-C	
IC6018	6-717-415-01	IC NJM2504RB1 (US, CND)	
IC6019	6-717-415-01	IC NJM2504RB1 (US, CND)	
IC6020	6-717-415-01	IC NJM2504RB1 (US, CND)	
IC6023	6-710-821-01	IC NJM2505AF (TE2)	
IC6301	6-702-300-01	IC TK11118CSCL-G	
IC6302	6-714-071-01	IC FLI30502AC	
IC6303	6-714-151-01	IC R1EX24032ASAS0A	
IC6304	6-704-470-01	IC TK11233CMCL-G	
IC6305	A-1822-911-A	IC W25Q16BVSSIG (for SERVICE)	
IC6306	6-709-565-01	IC ADV7322KSTZ	
IC6307	6-706-838-01	IC MM1661JHBE	
IC6308	6-704-261-01	IC TK11225CMCL-G	
IC6309	8-759-058-54	IC TC7S00FU (TE85R)	
		< JACK >	
J6002	1-815-043-11	JACK, PIN 2P (MONITOR/ZONE 2 VIDEO OUT) (US, CND)	
J6002	1-842-182-11	JACK, PIN 2P (MONITOR/ZONE 2 VIDEO OUT) (AEP, UK)	
J6003	1-794-978-11	JACK, PIN 3P (VIDEO 1 VIDEO OUT, VIDEO 1/ SATA/CATV VIDEO IN) (US, CND)	
J6003	1-794-979-11	JACK, PIN 3P (VIDEO 1 VIDEO OUT, VIDEO 1/ SATA/CATV VIDEO IN) (AEP, UK)	
J6004	1-815-043-11	JACK, PIN 2P (GAME/BD/DVD VIDEO IN) (US, CND)	
J6004	1-842-182-11	JACK, PIN 2P (GAME/BD/DVD VIDEO IN) (AEP, UK)	
J6005	1-842-142-11	JACK, PIN 6P (COMPONENT VIDEO ZONE 2/ MONITOR OUT) (US, CND)	
J6005	1-842-142-21	JACK, PIN 6P (COMPONENT VIDEO ZONE 2/ MONITOR OUT) (AEP, UK)	
J6007	1-842-142-11	JACK, PIN 6P (COMPONENT VIDEO ASSIGNABLE (INPUT ONLY) IN1 (BD/DVD)/ IN2 (SATA/CATV)) (US, CND)	
J6007	1-842-142-21	JACK, PIN 6P (COMPONENT VIDEO ASSIGNABLE (INPUT ONLY) IN1 (BD/DVD)/ IN2 (SATA/CATV)) (AEP, UK)	
		< TRANSISTOR >	
Q6001	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q6002	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q6003	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q6004	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q6100	6-551-700-01	TRANSISTOR ISA1602AM1-T111-1F	
Q6101	6-551-700-01	TRANSISTOR ISA1602AM1-T111-1F	
		< RESISTOR/FERRITE BEAD >	
R6002	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6003	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6004	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6005	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6013	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6014	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6015	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6016	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6017	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6018	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6019	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6020	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6021	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6022	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6023	1-218-883-11	METAL CHIP 33K 0.5% 1/10W	
R6024	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6025	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6026	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6027	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6028	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6029	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R6030	1-211-986-11	METAL CHIP 51 0.5% 1/10W (US, CND)	
R6031	1-211-986-11	METAL CHIP 51 0.5% 1/10W (US, CND)	
R6032	1-211-986-11	METAL CHIP 51 0.5% 1/10W (US, CND)	
R6033	1-211-986-11	METAL CHIP 51 0.5% 1/10W (US, CND)	
R6034	1-211-986-11	METAL CHIP 51 0.5% 1/10W (US, CND)	
R6035	1-211-986-11	METAL CHIP 51 0.5% 1/10W (US, CND)	
R6036	1-211-983-11	METAL CHIP 39 0.5% 1/10W (US, CND)	
R6037	1-211-983-11	METAL CHIP 39 0.5% 1/10W (US, CND)	
R6038	1-211-983-11	METAL CHIP 39 0.5% 1/10W (US, CND)	
R6039	1-216-833-11	METAL CHIP 10K 5% 1/10W (US, CND)	
R6040	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R6041	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R6042	1-216-805-11	METAL CHIP 47 5% 1/10W	
R6043	1-216-805-11	METAL CHIP 47 5% 1/10W	
R6047	1-216-821-11	METAL CHIP 1K 5% 1/10W	

Ref. No.	Part No.	Description			Remark
R6048	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6049	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R6050	1-216-801-11	METAL CHIP	22	5%	1/10W
R6051	1-216-801-11	METAL CHIP	22	5%	1/10W
R6055	1-218-903-11	METAL CHIP	220K	0.5%	1/10W (US, CND)
R6056	1-218-883-11	METAL CHIP	33K	0.5%	1/10W (US, CND)
R6057	1-216-864-11	SHORT CHIP	0		
R6058	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R6059	1-216-811-11	METAL CHIP	150	5%	1/10W
R6063	1-216-801-11	METAL CHIP	22	5%	1/10W
R6064	1-218-825-11	METAL CHIP	120	0.5%	1/10W
R6065	1-218-825-11	METAL CHIP	120	0.5%	1/10W
R6066	1-218-825-11	METAL CHIP	120	0.5%	1/10W
R6067	1-216-864-11	SHORT CHIP	0		
R6072	1-216-801-11	METAL CHIP	22	5%	1/10W
R6100	1-216-838-11	METAL CHIP	27K	5%	1/10W
R6101	1-216-838-11	METAL CHIP	27K	5%	1/10W
R6102	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6103	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6104	1-216-809-11	METAL CHIP	100	5%	1/10W
R6105	1-216-809-11	METAL CHIP	100	5%	1/10W
R6106	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R6107	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R6108	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R6109	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R6110	1-216-801-11	METAL CHIP	22	5%	1/10W
R6111	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R6112	1-216-801-11	METAL CHIP	22	5%	1/10W
R6113	1-216-801-11	METAL CHIP	22	5%	1/10W
R6114	1-216-801-11	METAL CHIP	22	5%	1/10W
R6115	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R6116	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R6119	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6121	1-216-864-11	SHORT CHIP	0 (US, CND)		
R6122	1-216-864-11	SHORT CHIP	0 (US, CND)		
R6123	1-216-864-11	SHORT CHIP	0 (US, CND)		
R6124	1-216-864-11	SHORT CHIP	0 (US, CND)		
R6125	1-216-864-11	SHORT CHIP	0 (US, CND)		
R6126	1-216-864-11	SHORT CHIP	0 (US, CND)		
R6132	1-216-811-11	METAL CHIP	150	5%	1/10W
R6133	1-216-840-11	METAL CHIP	39K	5%	1/10W
R6134	1-216-820-11	METAL CHIP	820	5%	1/10W
R6135	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6136	1-216-820-11	METAL CHIP	820	5%	1/10W
R6137	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6138	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R6139	1-216-840-11	METAL CHIP	39K	5%	1/10W
R6140	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R6141	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R6142	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R6145	1-216-801-11	METAL CHIP	22	5%	1/10W
R6301	1-216-809-11	METAL CHIP	100	5%	1/10W
R6304	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6306	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R6308	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R6309	1-414-760-21	FERRITE, EMI (SMD) (1608)			
R6310	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R6311	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R6312	1-211-987-11	METAL CHIP	56	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R6313	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R6314	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R6321	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R6322	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6323	1-216-864-11	SHORT CHIP	0		
R6324	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R6325	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R6326	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6327	1-216-864-11	SHORT CHIP	0		
R6328	1-216-864-11	SHORT CHIP	0		
R6329	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6330	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R6331	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R6332	1-216-864-11	SHORT CHIP	0		
R6333	1-216-864-11	SHORT CHIP	0		
R6334	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6335	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R6336	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R6337	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6338	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6340	1-216-801-11	METAL CHIP	22	5%	1/10W
R6341	1-216-801-11	METAL CHIP	22	5%	1/10W
R6342	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6344	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6345	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6348	1-216-864-11	SHORT CHIP	0		
R6349	1-216-801-11	METAL CHIP	22	5%	1/10W
R6350	1-216-864-11	SHORT CHIP	0		
R6351	1-216-801-11	METAL CHIP	22	5%	1/10W
R6352	1-216-815-11	METAL CHIP	330	5%	1/10W
R6353	1-216-815-11	METAL CHIP	330	5%	1/10W
R6354	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6355	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6356	1-216-805-11	METAL CHIP	47	5%	1/10W
R6357	1-216-814-11	METAL CHIP	270	5%	1/10W
R6360	1-216-801-11	METAL CHIP	22	5%	1/10W
R6362	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R6363	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R6364	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R6365	1-218-857-11	METAL CHIP	2.7K	0.5%	1/10W
R6366	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R6367	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R6368	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R6369	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R6370	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6371	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6372	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R6373	1-218-857-11	METAL CHIP	2.7K	0.5%	1/10W
R6374	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6375	1-216-809-11	METAL CHIP	100	5%	1/10W
R6376	1-216-819-11	METAL CHIP	680	5%	1/10W
R6377	1-216-857-11	METAL CHIP	1M	5%	1/10W
R6378	1-216-864-11	SHORT CHIP	0		
R6379	1-216-805-11	METAL CHIP	47	5%	1/10W
R6380	1-216-805-11	METAL CHIP	47	5%	1/10W
R6382	1-216-805-11	METAL CHIP	47	5%	1/10W
R6385	1-216-833-11	METAL CHIP	10K	5%	1/10W

A-VIDEO **ACDC** **AMP_CONNECT-1**

Ref. No.	Part No.	Description				Remark
		< COMPOSITION CIRCUIT BLOCK >				
RB6301	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB6302	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB6303	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB6304	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB6305	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB6306	1-234-370-21	RES, NETWORK 22 (1005X4)				
		< VIBRATOR >				
X6301	1-814-385-11	QUARTS CRYSTAL UNIT (19.6608 MHz)				
**********						
	A-1822-817-A	ACDC BOARD, COMPLETE				
		**********				
	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3				
		< CAPACITOR >				
⚠ C902	1-116-397-21	FILM	0.33uF	10%	250V	
⚠ C905	1-114-841-11	ELECT (BLOCK)	100uF	20%	450V	
⚠ C916	1-116-078-11	CERAMIC CHIP	1uF	10%	50V	
⚠ C921	1-100-613-81	CERAMIC	470PF	5%	1KV	
⚠ C922	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V	
⚠ C923	1-116-299-91	CERAMIC CHIP	220PF	1%	50V	
⚠ C924	1-116-393-21	FILM	0.0033uF	5%	400V	
⚠ C925	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
⚠ C926	1-107-930-91	ELECT	22uF	20%	100V	
C927	1-114-994-11	ELECT	2200uF	20%	35V	
⚠ C963	1-112-866-51	CERAMIC	100PF	10%	250V	
⚠ C964	1-112-866-51	CERAMIC	100PF	10%	250V	
C967	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V	
C983	1-100-756-91	CERAMIC CHIP	0.047uF	10%	50V	
C984	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C987	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V	
C993	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V	
⚠ C998	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V	
		< CONNECTOR >				
⚠ CN901	1-793-660-11	PIN, CONNECTOR (PC BOARD) 3P				
CN902	1-785-101-11	PIN, CONNECTOR (3.96 mm PITCH) 3P				
CN903	1-779-978-11	PIN, CONNECTOR 3P				
		< DIODE >				
D001	6-502-961-01	DIODE DA2J10100L				
⚠ D901	8-719-077-76	DIODE D2SB60A-F04				
⚠ D902	8-719-063-74	DIODE D1NL20U-TR2				
⚠ D946	6-502-234-01	DIODE EG01C LF-F7				
D950	6-503-458-01	DIODE RK49LF-T1				
⚠ DZ901	6-503-032-01	DIODE DZ2J180M0L				
⚠ DZ902	6-503-036-01	DIODE DZ2J220M0L				
⚠ DZ903	6-503-020-01	DIODE DZ2J082M0L				
⚠ DZ951	8-719-083-71	DIODE UDZSUSTE-1730B				
⚠ DZ954	8-719-083-71	DIODE UDZSUSTE-1730B				
		< EARTH TERMINAL >				
* EB901	1-537-738-21	TERMINAL, EARTH				
		< IC LINK >				
⚠ F921	1-533-282-21	IC LINK (2 A/72 V)				

Ref. No.	Part No.	Description				Remark
		< FUSIBLE RESISTOR >				
⚠ FR929	1-246-373-11	FUSIBLE	1	10%	1/2W	F
		< IC >				
⚠ IC921	6-714-671-01	IC STR-Y6763				
IC923	6-711-947-01	IC MM1431CURE				
		< COIL >				
L954	1-457-578-11	CHOKE COIL	10uH			
		< PHOTO COUPLER >				
⚠ PC902	6-600-276-01	PHOTO COUPLER PS2561AL1-1-V-W				
		< TRANSISTOR >				
⚠ Q922	8-729-056-46	TRANSISTOR 2SC5053T100Q				
		< RESISTOR >				
⚠ R904	1-249-389-91	CARBON	4.7	5%	1/4W	F
⚠ R916	1-250-297-65	METAL OXIDE	100K	5%	3W	F
⚠ R917	1-216-829-91	METAL CHIP	4.7K	5%	1/10W	
⚠ R918	1-216-813-91	METAL CHIP	220	5%	1/10W	
⚠ R922	1-250-262-41	METAL	0.39	5%	2W	F
⚠ R923	1-218-879-91	METAL CHIP	22K	0.5%	1/10W	
⚠ R925	1-219-759-51	METAL	1M	5%	1/2W	F
⚠ R926	1-218-855-91	METAL CHIP	2.2K	0.5%	1/10W	
⚠ R951	1-218-875-91	METAL CHIP	15K	0.5%	1/10W	
R954	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R955	1-216-821-11	METAL CHIP	1K	5%	1/10W	
⚠ R956	1-216-458-51	METAL OXIDE	1.8K	5%	2W	F
R959	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R963	1-218-883-11	METAL CHIP	33K	0.5%	1/10W	
⚠ R992	1-216-793-91	METAL CHIP	4.7	5%	1/10W	
R998	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R999	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
		< RELAY >				
⚠ RY901	1-755-486-12	RELAY				
		< TRANSFORMER >				
⚠ T903	1-697-080-11	CONVERTER TRANSFORMER				
		< THERMISTOR >				
⚠ TH902	1-802-088-11	THERMISTOR, POWER				
**********						
		AMP_CONNECT-1 BOARD				
		**********				
		< CONNECTOR >				
CN1207	1-842-642-11	CONNECTOR, BOARD TO BOARD 12P				
CN1209	1-842-642-11	CONNECTOR, BOARD TO BOARD 12P				
**********						

Ref. No.	Part No.	Description			Remark
		AMP_CONNECT-2 BOARD			
		**********			
		< CONNECTOR >			
CN1205	1-842-646-11	CONNECTOR, BOARD TO BOARD 16P			
CN1206	1-842-646-11	CONNECTOR, BOARD TO BOARD 16P			
**********					
	A-1822-776-A	BIAS BOARD, COMPLETE (US, CND)			
	A-1822-777-A	BIAS BOARD, COMPLETE (AEP, UK)			
		**********			
		< CAPACITOR >			
C1521	1-126-947-11	ELECT	47uF	20%	35V (US, CND)
C1521	1-112-089-11	ELECT	47uF	20%	25V (AEP, UK)
C1571	1-126-947-11	ELECT	47uF	20%	35V (US, CND)
C1571	1-112-089-11	ELECT	47uF	20%	25V (AEP, UK)
C1621	1-126-947-11	ELECT	47uF	20%	35V (US, CND)
C1621	1-112-089-11	ELECT	47uF	20%	25V (AEP, UK)
C1721	1-126-947-11	ELECT	47uF	20%	35V (US, CND)
C1721	1-112-089-11	ELECT	47uF	20%	25V (AEP, UK)
C1771	1-126-947-11	ELECT	47uF	20%	35V (US, CND)
C1771	1-112-089-11	ELECT	47uF	20%	25V (AEP, UK)
C1821	1-126-947-11	ELECT	47uF	20%	35V (US, CND)
C1821	1-112-089-11	ELECT	47uF	20%	25V (AEP, UK)
C1871	1-126-947-11	ELECT	47uF	20%	35V (US, CND)
C1871	1-112-089-11	ELECT	47uF	20%	25V (AEP, UK)
C1905	1-126-965-91	ELECT	22uF	20%	50V
C1906	1-104-655-91	ELECT	470uF	20%	6.3V (US, CND)
C1906	1-112-402-11	ELECT	470uF	20%	6.3V (AEP, UK)
C1907	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1908	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1921	1-126-949-11	ELECT	220uF	20%	35V
C1940	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1941	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1942	1-126-965-91	ELECT	22uF	20%	50V
		< CONNECTOR >			
* CN1512	1-774-246-11	CONNECTOR, BOARD TO BOARD 10P			
* CN1513	1-774-245-11	CONNECTOR, BOARD TO BOARD 8P			
CN1705	1-842-652-11	CONNECTOR, BOARD TO BOARD 14P			
CN1803	1-842-652-11	CONNECTOR, BOARD TO BOARD 14P			
CN1911	1-842-639-11	CONNECTOR, BOARD TO BOARD 9P			
		< DIODE >			
D1904	6-502-961-01	DIODE DA2J10100L			
D1905	6-502-961-01	DIODE DA2J10100L			
D1908	6-502-961-01	DIODE DA2J10100L			
D1909	6-502-961-01	DIODE DA2J10100L			
D1910	6-502-961-01	DIODE DA2J10100L			
D1913	6-502-961-01	DIODE DA2J10100L			
D1914	6-502-961-01	DIODE DA2J10100L			
		< IC >			
IC1901	8-759-710-97	IC NJM4565M-D			
		< TRANSISTOR >			
Q1904	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q1905	8-729-271-31	TRANSISTOR	2SC2713-G		
Q1906	8-729-216-31	TRANSISTOR	2SA1163-G		
Q1907	8-729-216-31	TRANSISTOR	2SA1163-G		
Q1908	8-729-901-00	TRANSISTOR	DTC124EK		
Q1909	8-729-271-31	TRANSISTOR	2SC2713-G		
		< 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
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
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
R1721	1-259-440-61	CARBON	3.3K	5%	1/6W
R1722	1-259-428-61	CARBON	1K	5%	1/6W
R1724	1-259-468-61	CARBON	47K	5%	1/6W
R1771	1-259-440-61	CARBON	3.3K	5%	1/6W
R1772	1-259-428-61	CARBON	1K	5%	1/6W
R1774	1-259-468-61	CARBON	47K	5%	1/6W
R1821	1-259-440-61	CARBON	3.3K	5%	1/6W
R1822	1-259-428-61	CARBON	1K	5%	1/6W
R1824	1-259-468-61	CARBON	47K	5%	1/6W
R1871	1-259-440-61	CARBON	3.3K	5%	1/6W
R1872	1-259-428-61	CARBON	1K	5%	1/6W
R1874	1-259-468-61	CARBON	47K	5%	1/6W
R1911	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1912	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1913	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1914	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1915	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1916	1-216-834-11	METAL CHIP	12K	5%	1/10W
R1917	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1918	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1919	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1923	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1926	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1929	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1942	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1945	1-216-837-11	METAL CHIP	22K	5%	1/10W
		< VARIABLE RESISTOR >			
RV1501	1-238-595-11	RES, ADJ, CARBON 220			
RV1551	1-238-595-11	RES, ADJ, CARBON 220			
RV1601	1-238-595-11	RES, ADJ, CARBON 220			
RV1701	1-238-595-11	RES, ADJ, CARBON 220			
RV1751	1-238-595-11	RES, ADJ, CARBON 220			

BIAS CONTROL

Ref. No.	Part No.	Description			Remark
RV1801	1-238-595-11	RES, ADJ, CARBON 220			
RV1851	1-238-595-11	RES, ADJ, CARBON 220			
**********					
	A-1822-841-A	CONTROL BOARD, COMPLETE (US, CND)			
	A-1822-842-A	CONTROL BOARD, COMPLETE (AEP, UK)			
		**********			
		< CAPACITOR >			
C2501	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C2502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2503	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C2504	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2541	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C2542	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2543	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2581	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2582	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C2583	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2584	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C2587	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2590	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2591	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2621	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2622	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C2623	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2624	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C2625	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2626	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C2627	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2641	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2642	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2661	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2662	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C2671	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2691	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C2692	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V (US, CND)
C2693	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C2694	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2702	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2703	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2704	1-126-923-91	ELECT	220uF	20%	10V
C2712	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2713	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2714	1-126-923-91	ELECT	220uF	20%	10V
		< CONNECTOR >			
CN2691	1-784-210-21	CONNECTOR 7P			
CN2700	1-564-320-00	PIN, CONNECTOR (3.96 mm PITCH) 2P			
CN2701	1-784-616-11	CONNECTOR, BOARD TO BOARD 14P			
CN2721	1-779-855-11	CONNECTOR, BOARD TO BOARD 20P			
CN2741	1-842-722-11	CONNECTOR, BOARD TO BOARD 20P			
CN2771	1-842-637-11	CONNECTOR, BOARD TO BOARD 7P			
CN2781	1-842-720-11	CONNECTOR, BOARD TO BOARD 16P			
CN2801	1-842-724-11	CONNECTOR, BOARD TO BOARD 26P			
CN2826	1-842-724-11	CONNECTOR, BOARD TO BOARD 26P			
CN2851	1-842-728-11	CONNECTOR, BOARD TO BOARD 6P			

Ref. No.	Part No.	Description			Remark
CN2861	1-779-289-11	CONNECTOR, FFC (LIF (NON-ZIF)) 21P			
CN2891	1-779-822-11	CONNECTOR, BOARD TO BOARD 26P			
CN2921	1-784-616-11	CONNECTOR, BOARD TO BOARD 14P			
CN2941	1-779-556-21	CONNECTOR, FFC (LIF (NON-ZIF)) 19P			
CN2961	1-784-929-11	PIN, CONNECTOR 14P			
CN2981	1-784-930-11	PIN, CONNECTOR 15P			
		< DIODE >			
D2739	6-500-335-01	DIODE MC2838-T112-1			
D2890	6-500-335-01	DIODE MC2838-T112-1			
		< LUG TERMINAL >			
* ET2501	1-780-408-11	TERMINAL, LUG			
		< FERRITE BEAD >			
FB2691	1-414-760-21	FERRITE, EMI (SMD) (1608) (US, CND)			
FB2701	1-414-760-21	FERRITE, EMI (SMD) (1608)			
FB2711	1-414-445-11	FERRITE, EMI (SMD) (1608)			
FB2943	1-414-760-21	FERRITE, EMI (SMD) (1608)			
FB2946	1-414-760-21	FERRITE, EMI (SMD) (1608)			
FB2984	1-414-760-21	FERRITE, EMI (SMD) (1608)			
FB2985	1-414-760-21	FERRITE, EMI (SMD) (1608)			
FB2987	1-414-760-21	FERRITE, EMI (SMD) (1608)			
FB2988	1-414-760-21	FERRITE, EMI (SMD) (1608)			
		< IC >			
IC2501	A-1822-909-A	IC MB91F644PMC-GE1 (for SERVICE)			
IC2502	6-714-154-01	IC R1EX24256ASAS0A			
IC2661	6-707-870-01	IC TC74VHC157FT (EKJ)			
IC2671	6-712-384-01	IC TC74VHC4052AFT (EK)			
IC2691	6-706-487-01	IC TC7SH08FU (US, CND)			
IC2692	8-759-679-36	IC TC7WT125FU (TE12R) (US, CND)			
IC2693	6-706-487-01	IC TC7SH08FU			
IC2701	6-711-653-01	IC S-1206B33-U3T1G			
IC2711	6-711-653-01	IC S-1206B33-U3T1G			
		< RESISTOR >			
R2501	1-216-809-11	METAL CHIP	100	5%	1/10W
R2502	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2504	1-216-809-11	METAL CHIP	100	5%	1/10W
R2505	1-216-809-11	METAL CHIP	100	5%	1/10W
R2506	1-216-805-11	METAL CHIP	47	5%	1/10W
R2508	1-216-805-11	METAL CHIP	47	5%	1/10W
R2511	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2515	1-216-809-11	METAL CHIP	100	5%	1/10W
R2516	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2519	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2541	1-216-809-11	METAL CHIP	100	5%	1/10W
R2542	1-216-809-11	METAL CHIP	100	5%	1/10W
R2553	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R2554	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
R2555	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2556	1-216-809-11	METAL CHIP	100	5%	1/10W
R2557	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2558	1-216-864-11	SHORT CHIP	0		
R2559	1-216-809-11	METAL CHIP	100	5%	1/10W
R2560	1-216-809-11	METAL CHIP	100	5%	1/10W
R2561	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2562	1-216-809-11	METAL CHIP	100	5%	1/10W
R2563	1-216-809-11	METAL CHIP	100	5%	1/10W
R2564	1-216-809-11	METAL CHIP	100	5%	1/10W
R2565	1-216-809-11	METAL CHIP	100	5%	1/10W
R2566	1-216-809-11	METAL CHIP	100	5%	1/10W
R2567	1-216-809-11	METAL CHIP	100	5%	1/10W
R2568	1-216-809-11	METAL CHIP	100	5%	1/10W
R2569	1-216-809-11	METAL CHIP	100	5%	1/10W
R2570	1-216-809-11	METAL CHIP	100	5%	1/10W
R2571	1-216-809-11	METAL CHIP	100	5%	1/10W
R2572	1-216-809-11	METAL CHIP	100	5%	1/10W
R2581	1-216-809-11	METAL CHIP	100	5%	1/10W
R2582	1-216-805-11	METAL CHIP	47	5%	1/10W
R2584	1-216-809-11	METAL CHIP	100	5%	1/10W
R2585	1-216-805-11	METAL CHIP	47	5%	1/10W
R2587	1-216-809-11	METAL CHIP	100	5%	1/10W
R2591	1-216-809-11	METAL CHIP	100	5%	1/10W
R2592	1-216-809-11	METAL CHIP	100	5%	1/10W
R2593	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2594	1-216-809-11	METAL CHIP	100	5%	1/10W
R2596	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, UK)
R2597	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2598	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, UK)
R2599	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2603	1-216-809-11	METAL CHIP	100	5%	1/10W
R2604	1-216-805-11	METAL CHIP	47	5%	1/10W
R2605	1-216-805-11	METAL CHIP	47	5%	1/10W
R2607	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2613	1-216-809-11	METAL CHIP	100	5%	1/10W
R2614	1-216-809-11	METAL CHIP	100	5%	1/10W
R2621	1-216-809-11	METAL CHIP	100	5%	1/10W
R2623	1-216-809-11	METAL CHIP	100	5%	1/10W
R2624	1-216-809-11	METAL CHIP	100	5%	1/10W
R2626	1-216-809-11	METAL CHIP	100	5%	1/10W
R2628	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R2629	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R2630	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK)
R2632	1-216-805-11	METAL CHIP	47	5%	1/10W
R2633	1-216-805-11	METAL CHIP	47	5%	1/10W
R2634	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2636	1-216-805-11	METAL CHIP	47	5%	1/10W
R2639	1-216-805-11	METAL CHIP	47	5%	1/10W
R2642	1-216-805-11	METAL CHIP	47	5%	1/10W
R2643	1-216-805-11	METAL CHIP	47	5%	1/10W
R2644	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2645	1-216-809-11	METAL CHIP	100	5%	1/10W
R2646	1-216-809-11	METAL CHIP	100	5%	1/10W
R2647	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2648	1-216-805-11	METAL CHIP	47	5%	1/10W
R2650	1-216-805-11	METAL CHIP	47	5%	1/10W
R2652	1-216-815-11	METAL CHIP	330	5%	1/10W
R2653	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2654	1-216-809-11	METAL CHIP	100	5%	1/10W
R2655	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2657	1-216-809-11	METAL CHIP	100	5%	1/10W
R2658	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2659	1-216-809-11	METAL CHIP	100	5%	1/10W
R2660	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2661	1-216-805-11	METAL CHIP	47	5%	1/10W
R2662	1-216-805-11	METAL CHIP	47	5%	1/10W
R2663	1-216-809-11	METAL CHIP	100	5%	1/10W
R2664	1-216-805-11	METAL CHIP	47	5%	1/10W
R2665	1-216-805-11	METAL CHIP	47	5%	1/10W
R2666	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2667	1-216-805-11	METAL CHIP	47	5%	1/10W
R2668	1-216-809-11	METAL CHIP	100	5%	1/10W
R2669	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2671	1-216-809-11	METAL CHIP	100	5%	1/10W
R2672	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2673	1-216-809-11	METAL CHIP	100	5%	1/10W
R2674	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2675	1-216-805-11	METAL CHIP	47	5%	1/10W
R2677	1-216-805-11	METAL CHIP	47	5%	1/10W
R2678	1-216-813-11	METAL CHIP	220	5%	1/10W
R2679	1-216-805-11	METAL CHIP	47	5%	1/10W
R2680	1-216-805-11	METAL CHIP	47	5%	1/10W
R2681	1-216-864-11	SHORT CHIP	0		
R2682	1-216-805-11	METAL CHIP	47	5%	1/10W
R2683	1-216-805-11	METAL CHIP	47	5%	1/10W
R2685	1-216-864-11	SHORT CHIP	0		
R2691	1-216-805-11	METAL CHIP	47	5%	1/10W (US, CND)
R2692	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R2693	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R2694	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R2695	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R2696	1-216-805-11	METAL CHIP	47	5%	1/10W (US, CND)
R2697	1-216-809-11	METAL CHIP	100	5%	1/10W
R2698	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2721	1-216-809-11	METAL CHIP	100	5%	1/10W
R2722	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2723	1-216-809-11	METAL CHIP	100	5%	1/10W
R2724	1-216-809-11	METAL CHIP	100	5%	1/10W
R2725	1-216-809-11	METAL CHIP	100	5%	1/10W
R2726	1-216-809-11	METAL CHIP	100	5%	1/10W
R2727	1-216-809-11	METAL CHIP	100	5%	1/10W
R2728	1-216-809-11	METAL CHIP	100	5%	1/10W
R2729	1-216-809-11	METAL CHIP	100	5%	1/10W
R2730	1-216-809-11	METAL CHIP	100	5%	1/10W
R2731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2732	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2733	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2734	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2735	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2736	1-216-809-11	METAL CHIP	100	5%	1/10W
R2743	1-216-809-11	METAL CHIP	100	5%	1/10W
R2744	1-216-809-11	METAL CHIP	100	5%	1/10W
R2745	1-216-809-11	METAL CHIP	100	5%	1/10W
R2746	1-216-809-11	METAL CHIP	100	5%	1/10W
R2749	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R2761	1-216-864-11	SHORT CHIP	0		

CONTROL **D-AU_CONNECT** **D-AUDIO**

Ref. No.	Part No.	Description			Remark
R2762	1-216-864-11	SHORT CHIP	0		
R2774	1-216-809-11	METAL CHIP	100	5%	1/10W
R2775	1-216-809-11	METAL CHIP	100	5%	1/10W
R2776	1-216-809-11	METAL CHIP	100	5%	1/10W
R2788	1-216-809-11	METAL CHIP	100	5%	1/10W
R2789	1-216-809-11	METAL CHIP	100	5%	1/10W
R2792	1-216-809-11	METAL CHIP	100	5%	1/10W
R2793	1-216-809-11	METAL CHIP	100	5%	1/10W
R2794	1-216-809-11	METAL CHIP	100	5%	1/10W
R2795	1-216-809-11	METAL CHIP	100	5%	1/10W
R2808	1-216-809-11	METAL CHIP	100	5%	1/10W
R2809	1-216-815-11	METAL CHIP	330	5%	1/10W
R2820	1-216-295-91	SHORT CHIP	0		
R2824	1-216-295-91	SHORT CHIP	0		
R2825	1-216-809-11	METAL CHIP	100	5%	1/10W
R2826	1-216-809-11	METAL CHIP	100	5%	1/10W
R2827	1-216-809-11	METAL CHIP	100	5%	1/10W
R2845	1-216-809-11	METAL CHIP	100	5%	1/10W
R2851	1-216-809-11	METAL CHIP	100	5%	1/10W
R2852	1-216-809-11	METAL CHIP	100	5%	1/10W
R2853	1-216-809-11	METAL CHIP	100	5%	1/10W
R2854	1-216-809-11	METAL CHIP	100	5%	1/10W
R2855	1-216-809-11	METAL CHIP	100	5%	1/10W
R2864	1-216-809-11	METAL CHIP	100	5%	1/10W
R2865	1-216-809-11	METAL CHIP	100	5%	1/10W
R2867	1-216-809-11	METAL CHIP	100	5%	1/10W
R2870	1-216-809-11	METAL CHIP	100	5%	1/10W
R2871	1-216-809-11	METAL CHIP	100	5%	1/10W
R2872	1-216-809-11	METAL CHIP	100	5%	1/10W
R2875	1-216-809-11	METAL CHIP	100	5%	1/10W
R2876	1-216-809-11	METAL CHIP	100	5%	1/10W
R2877	1-216-809-11	METAL CHIP	100	5%	1/10W
R2880	1-216-809-11	METAL CHIP	100	5%	1/10W
R2890	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2892	1-216-809-11	METAL CHIP	100	5%	1/10W
R2894	1-216-809-11	METAL CHIP	100	5%	1/10W
R2895	1-216-809-11	METAL CHIP	100	5%	1/10W
R2897	1-216-809-11	METAL CHIP	100	5%	1/10W
R2899	1-216-809-11	METAL CHIP	100	5%	1/10W
R2900	1-216-809-11	METAL CHIP	100	5%	1/10W
R2908	1-216-809-11	METAL CHIP	100	5%	1/10W
R2909	1-216-809-11	METAL CHIP	100	5%	1/10W
R2912	1-216-809-11	METAL CHIP	100	5%	1/10W
R2913	1-216-809-11	METAL CHIP	100	5%	1/10W
R2921	1-216-809-11	METAL CHIP	100	5%	1/10W
R2923	1-216-809-11	METAL CHIP	100	5%	1/10W
R2924	1-216-809-11	METAL CHIP	100	5%	1/10W
R2925	1-216-809-11	METAL CHIP	100	5%	1/10W
R2930	1-216-809-11	METAL CHIP	100	5%	1/10W
R2932	1-216-809-11	METAL CHIP	100	5%	1/10W
R2933	1-216-809-11	METAL CHIP	100	5%	1/10W
R2934	1-216-809-11	METAL CHIP	100	5%	1/10W
R2941	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2957	1-216-809-11	METAL CHIP	100	5%	1/10W
R2958	1-216-809-11	METAL CHIP	100	5%	1/10W
R2959	1-216-809-11	METAL CHIP	100	5%	1/10W
R2964	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2965	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2974	1-216-805-11	METAL CHIP	47	5%	1/10W
R2995	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< VIBRATOR >			
X2501	1-781-646-21	VIBRATOR, CERAMIC (4 MHz)			
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		D-AU CONNECT BOARD			
		**********			
		< CONNECTOR >			
CN2403	1-784-532-11	CONNECTOR, BOARD TO BOARD 14P			
CN2404	1-784-532-11	CONNECTOR, BOARD TO BOARD 14P			
CN2405	1-842-724-11	CONNECTOR, BOARD TO BOARD 26P			
CN2406	1-842-724-11	CONNECTOR, BOARD TO BOARD 26P			
CN2407	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
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	A-1822-838-A	D-AUDIO BOARD, COMPLETE (US, CND)			
	A-1822-839-A	D-AUDIO BOARD, COMPLETE (AEP, UK)			
		**********			
	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C2001	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C2004	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C2005	1-100-354-21	ELECT CHIP	220uF	20%	6.3V
C2006	1-112-079-11	ELECT	220uF	20%	10V
C2007	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2008	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2009	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2011	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2012	1-100-354-21	ELECT CHIP	220uF	20%	6.3V
C2013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2014	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2017	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2021	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2031	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2038	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C2039	1-112-079-11	ELECT	220uF	20%	10V
C2040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2041	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C2200	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2201	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Note: When replacing the D-AUDIO board in this unit for AEP and UK models, refer to "NOTE OF REPLACING THE IC2239 ON THE D-AUDIO BOARD AND THE COMPLETE D-AUDIO BOARD" (page 6).

Ref. No.	Part No.	Description			Remark
C2203	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2205	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2206	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2207	1-112-080-11	ELECT	470uF	20%	10V
C2208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2209	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2210	1-112-089-11	ELECT	47uF	20%	25V (US, CND)
C2210	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)
C2211	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2212	1-112-089-11	ELECT	47uF	20%	25V (US, CND)
C2212	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)
C2213	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2214	1-112-089-11	ELECT	47uF	20%	25V (US, CND)
C2214	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)
C2215	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2217	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2221	1-112-080-11	ELECT	470uF	20%	10V
C2222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2223	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2224	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2225	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C2226	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C2227	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2229	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2230	1-112-100-11	ELECT	10uF	20%	50V
C2231	1-112-080-11	ELECT	470uF	20%	10V
C2232	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2233	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2234	1-112-083-11	ELECT	100uF	20%	16V (US, CND)
C2234	1-114-571-91	ELECT	470uF	20%	10V (AEP, UK)
C2235	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C2236	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2237	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2238	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2244	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2245	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2246	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2247	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2248	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2249	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2250	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2251	1-112-089-11	ELECT	47uF	20%	25V (US, CND)
C2251	1-114-571-91	ELECT	470uF	20%	10V (AEP, UK)
C2252	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C2254	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2255	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2256	1-112-100-11	ELECT	10uF	20%	50V
C2257	1-112-100-11	ELECT	10uF	20%	50V
C2259	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2260	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C2261	1-112-083-11	ELECT	100uF	20%	16V
C2262	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2265	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C2266	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2267	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2268	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2269	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2270	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2271	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2271	1-128-528-11	ELECT	470uF	20%	25V (AEP, UK)
C2273	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2273	1-128-528-11	ELECT	470uF	20%	25V (AEP, UK)
C2274	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2275	1-114-896-91	FILM	270PF	5%	250V
C2276	1-114-908-91	FILM	0.0027uF	5%	250V
C2277	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2278	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2278	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)
C2279	1-112-083-11	ELECT	100uF	20%	16V (AEP, UK)
C2280	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2281	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2282	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2282	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)
C2283	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2284	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2285	1-114-908-91	FILM	0.0027uF	5%	250V
C2286	1-114-896-91	FILM	270PF	5%	250V
C2287	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2288	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2289	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2290	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2291	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2292	1-114-896-91	FILM	270PF	5%	250V
C2293	1-114-908-91	FILM	0.0027uF	5%	250V
C2294	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2295	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2295	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)
C2296	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2296	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)
C2297	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2298	1-114-908-91	FILM	0.0027uF	5%	250V
C2299	1-114-896-91	FILM	270PF	5%	250V
C2300	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2301	1-114-896-91	FILM	270PF	5%	250V
C2302	1-114-908-91	FILM	0.0027uF	5%	250V
C2303	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2303	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)

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Ref. No.	Part No.	Description			Remark
C2304	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2304	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)
C2305	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2306	1-114-908-91	FILM	0.0027uF	5%	250V
C2307	1-114-896-91	FILM	270PF	5%	250V
C2309	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2310	1-114-896-91	FILM	270PF	5%	250V
C2311	1-114-908-91	FILM	0.0027uF	5%	250V
C2312	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2313	1-114-896-91	FILM	270PF	5%	250V
C2314	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2314	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)
C2315	1-112-100-11	ELECT	10uF	20%	50V
C2316	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2316	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)
C2317	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2318	1-114-908-91	FILM	0.0027uF	5%	250V
C2319	1-114-896-91	FILM	270PF	5%	250V
C2320	1-114-908-91	FILM	0.0027uF	5%	250V
C2321	1-112-091-11	ELECT	220uF	20%	25V (AEP, UK)
C2321	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2322	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2322	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)
C2323	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2323	1-124-724-11	ELECT	47uF	20%	50V (AEP, UK)
C2324	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2325	1-114-908-91	FILM	0.0027uF	5%	250V
C2326	1-114-896-91	FILM	270PF	5%	250V
C2328	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V (AEP, UK)
C2329	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V (AEP, UK)
C2330	1-112-298-91	CERAMIC CHIP	1uF	10%	16V (AEP, UK)
C2331	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2332	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, UK)
C2333	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2334	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2335	1-162-959-11	CERAMIC CHIP	330PF	5%	50V (AEP, UK)
C2337	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C2338	1-114-571-91	ELECT	470uF	20%	10V (AEP, UK)
C2342	1-100-381-11	ELECT CHIP	10uF	20%	16V
C2343	1-114-617-21	ELECT	3300uF	20%	6.3V
C2346	1-112-091-11	ELECT	220uF	20%	25V (AEP, UK)
C2346	1-112-100-11	ELECT	10uF	20%	50V (US, CND)
C2356	1-114-617-21	ELECT	3300uF	20%	6.3V
C2357	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C2358	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C2400	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2400	1-126-049-11	ELECT	22uF	20%	50V (AEP, UK)
C2401	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2401	1-126-049-11	ELECT	22uF	20%	50V (AEP, UK)
C2402	1-112-093-11	ELECT	2200uF	20%	25V (AEP, UK)
C2402	1-112-422-11	ELECT	470uF	20%	25V (US, CND)
C2403	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C2420	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2421	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2422	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2424	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2425	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2426	1-114-571-91	ELECT	470uF	20%	10V (AEP, UK)
C2434	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2435	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, UK)
C2436	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, UK)
C2437	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, UK)
C2438	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, UK)
C2439	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, UK)
C2440	1-112-099-11	ELECT	4.7uF	20%	50V (AEP, UK)
C2441	1-124-699-11	ELECT	220uF	20%	25V (AEP, UK)
C2446	1-112-083-11	ELECT	100uF	20%	16V (US, CND)
C2446	1-112-411-11	ELECT	1000uF	20%	10V (AEP, UK)
C2447	1-112-081-11	ELECT	2200uF	20%	10V (AEP, UK)
C2447	1-112-083-11	ELECT	100uF	20%	16V (US, CND)
C2448	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, UK)
C2477	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, UK)
C2485	1-112-298-91	CERAMIC CHIP	1uF	10%	16V (AEP, UK)
C2487	1-165-908-11	CERAMIC CHIP	1uF	10%	10V (AEP, UK)

< CONNECTOR >

CN2006	1-785-910-21	CONNECTOR, BOARD TO BOARD 50P
CN2200	1-784-923-11	PIN, CONNECTOR 7P
CN2201	1-784-616-11	CONNECTOR, BOARD TO BOARD 14P
CN2202	1-779-822-11	CONNECTOR, BOARD TO BOARD 26P
CN2204	1-691-766-11	PLUG (MICRO CONNECTOR) 4P
CN2207	1-784-930-11	PIN, CONNECTOR 15P
CN2211	1-766-376-21	PIN, CONNECTOR (1.5 mm) (SMD) 9P
CN2213	1-691-767-11	PLUG (MICRO CONNECTOR) 5P
CN2400	1-815-194-11	CONNECTOR, USB (B) (PC •) (AEP, UK)

Ref. No.	Part No.	Description	Remark
CN2401	1-564-320-00	PIN, CONNECTOR (3.96 mm PITCH) 2P (AEP, UK)	
		< DIODE >	
D2201	6-502-961-01	DIODE DA2J10100L	
D2203	6-502-961-01	DIODE DA2J10100L	
D2204	6-502-961-01	DIODE DA2J10100L	
D2205	6-502-961-01	DIODE DA2J10100L	
D2206	6-502-961-01	DIODE DA2J10100L	
D2207	6-502-961-01	DIODE DA2J10100L	
D2208	6-502-961-01	DIODE DA2J10100L	
		< FERRITE BEAD/RESISTOR >	
FB2001	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB2002	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB2003	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2004	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2005	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2006	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2007	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2200	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2201	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2202	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2203	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2204	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2205	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2206	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2207	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2209	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2212	1-216-603-11	METAL CHIP 10 0.5% 1/10W	
FB2213	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2214	1-216-603-11	METAL CHIP 10 0.5% 1/10W	
FB2215	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2217	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2218	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2219	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2220	1-469-152-11	FERRITE, EMI (SMD) (2012) (AEP, UK)	
FB2223	1-469-152-11	FERRITE, EMI (SMD) (2012) (AEP, UK)	
		< IC >	
IC2001	6-717-807-01	IC RP114N121B-TR-FE	
IC2002	6-717-035-01	IC M12L16161A-7TG (2K)	
IC2003	6-712-758-01	IC EP2C5T144C8N	
IC2004	6-808-108-01	IC EPCS1SI8N-08HATS	
IC2005	8-759-546-74	IC TC7WH157FU (TE12R)	
IC2006	8-759-096-87	IC TC7WU04FU (TE12R)	
IC2200	6-706-487-01	IC TC7SH08FU	
IC2201	6-710-554-01	IC PCM1808PWR	
IC2202	6-600-827-01	IC JSR1124 (DIGITAL ASSIGNABLE (INPUT ONLY) OPTICAL IN 2 (SAT/CATV))	
IC2203	6-600-827-01	IC JSR1124 (DIGITAL ASSIGNABLE (INPUT ONLY) OPTICAL IN 3 (TV))	
IC2204	6-600-827-01	IC JSR1124 (DIGITAL ASSIGNABLE (INPUT ONLY) OPTICAL IN 4 (MD))	
IC2205	6-600-833-01	IC JST1124 (DIGITAL OPTICAL OUT)	
IC2207	8-759-524-09	IC TC74VHC153FT (EL)	
IC2208	6-708-025-01	IC LC89057W-VF4A-E	
IC2209	8-759-530-30	IC TC74VHCU04FT (EL)	
IC2210	6-712-386-01	IC TC74VHC595FT (EKJ)	
IC2211	8-759-524-48	IC TC74VHC393FT (EL)	
IC2212	8-759-524-09	IC TC74VHC153FT (EL)	
IC2213	6-707-870-01	IC TC74VHC157FT (EKJ)	
IC2214	8-759-524-09	IC TC74VHC153FT (EL)	
IC2215	6-705-312-01	IC S-T111B33MC-OGSTFG	
IC2216	6-706-487-01	IC TC7SH08FU	
IC2217	6-707-863-01	IC TC74VHC08FT (EKJ)	
IC2218	6-712-740-01	IC PCM1681PWPR	
IC2219	8-759-710-97	IC NJM4565M-D	
IC2220	8-759-710-97	IC NJM4565M-D	
IC2221	8-759-710-97	IC NJM4565M-D	
IC2222	8-759-710-97	IC NJM4565M-D	
IC2223	6-706-487-01	IC TC7SH08FU	
IC2224	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2225	6-600-827-01	IC JSR1124 (DIGITAL ASSIGNABLE (INPUT ONLY) OPTICAL IN 1 (GAME))	
IC2226	6-712-740-01	IC PCM1681PWPR	
IC2227	6-715-699-01	IC CS230002-CZZR	
IC2228	6-707-870-01	IC TC74VHC157FT (EKJ)	
IC2229	6-715-074-01	IC MM1963DTRE	
IC2230	8-759-710-97	IC NJM4565M-D	
IC2231	8-759-524-09	IC TC74VHC153FT (EL)	
IC2232	6-717-988-01	IC RP170N331D-FE (AEP, UK)	
IC2237	8-759-680-48	IC TC7WH157FK	
IC2238	6-717-404-01	IC TE7021L (AEP, UK)	
IC2239	6-714-393-01	IC R1EX24016ATAS0A (AEP, UK)	
IC2240	8-759-450-47	IC BA05T	
		< JACK >	
J2201	1-820-547-11	JACK, PIN 3P (DIGITAL ASSIGNABLE (INPUT ONLY) COAXIAL IN 1 (BD/DVD)/ IN 2 (VIDEO 1)/IN 3 (SA-CD/CD)) (AEP, UK)	
J2201	1-821-163-11	JACK, PIN 3P (DIGITAL ASSIGNABLE (INPUT ONLY) COAXIAL IN 1 (BD/DVD)/ IN 2 (VIDEO 1)/IN 3 (SA-CD/CD)) (US, CND)	
		< RESISTOR >	
R2001	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2002	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2004	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2005	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2006	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2007	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2008	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2010	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2011	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2012	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2013	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2014	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2015	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2016	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2017	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2018	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2020	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2022	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2024	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2025	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2026	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2027	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2028	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2029	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2030	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2031	1-216-821-11	METAL CHIP 1K 5% 1/10W	

Note: When replacing the IC2239 on the D-AUDIO board in this unit for AEP and UK models, refer to "NOTE OF REPLACING THE IC2239 ON THE D-AUDIO BOARD AND THE COMPLETE D-AUDIO BOARD" (page 6).

D-AUDIO

Ref. No.	Part No.	Description			Remark
R2032	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R2033	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R2034	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R2035	1-216-805-11	METAL CHIP	47	5%	1/10W
R2036	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2037	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2038	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2039	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2040	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2041	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2042	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2043	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2045	1-216-801-11	METAL CHIP	22	5%	1/10W
R2046	1-216-801-11	METAL CHIP	22	5%	1/10W
R2057	1-216-801-11	METAL CHIP	22	5%	1/10W
R2058	1-216-801-11	METAL CHIP	22	5%	1/10W
R2059	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2060	1-218-845-11	METAL CHIP	820	0.5%	1/10W
R2061	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2062	1-216-797-11	METAL CHIP	10	5%	1/10W
R2200	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R2201	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2202	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2203	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R2204	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R2205	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R2206	1-216-809-11	METAL CHIP	100	5%	1/10W
R2207	1-216-809-11	METAL CHIP	100	5%	1/10W
R2208	1-216-809-11	METAL CHIP	100	5%	1/10W
R2209	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R2210	1-216-809-11	METAL CHIP	100	5%	1/10W
R2211	1-216-809-11	METAL CHIP	100	5%	1/10W
R2212	1-216-809-11	METAL CHIP	100	5%	1/10W
R2213	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2214	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R2215	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R2216	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R2217	1-218-903-11	METAL CHIP	220K	0.5%	1/10W
R2218	1-218-903-11	METAL CHIP	220K	0.5%	1/10W
R2219	1-218-903-11	METAL CHIP	220K	0.5%	1/10W
R2221	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R2222	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R2223	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R2224	1-216-809-11	METAL CHIP	100	5%	1/10W
R2225	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2226	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2228	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2229	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2230	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2231	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2232	1-216-809-11	METAL CHIP	100	5%	1/10W
R2233	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2234	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2235	1-218-845-11	METAL CHIP	820	0.5%	1/10W
R2236	1-216-809-11	METAL CHIP	100	5%	1/10W
R2238	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R2240	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2241	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2242	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2243	1-218-831-11	METAL CHIP	220	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R2246	1-216-809-11	METAL CHIP	100	5%	1/10W
R2248	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2249	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2250	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2251	1-216-809-11	METAL CHIP	100	5%	1/10W
R2252	1-216-809-11	METAL CHIP	100	5%	1/10W
R2256	1-216-809-11	METAL CHIP	100	5%	1/10W
R2257	1-216-809-11	METAL CHIP	100	5%	1/10W
R2258	1-216-809-11	METAL CHIP	100	5%	1/10W
R2259	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R2260	1-216-805-11	METAL CHIP	47	5%	1/10W
R2261	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R2262	1-216-805-11	METAL CHIP	47	5%	1/10W
R2263	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2264	1-216-809-11	METAL CHIP	100	5%	1/10W
R2265	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2266	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2267	1-216-809-11	METAL CHIP	100	5%	1/10W
R2268	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2269	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2270	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2271	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2272	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2273	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2274	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2275	1-216-809-11	METAL CHIP	100	5%	1/10W
R2276	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2277	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2278	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2279	1-216-809-11	METAL CHIP	100	5%	1/10W
R2280	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2281	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2282	1-216-809-11	METAL CHIP	100	5%	1/10W
R2283	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2284	1-216-809-11	METAL CHIP	100	5%	1/10W
R2285	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2286	1-216-809-11	METAL CHIP	100	5%	1/10W
R2287	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2288	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R2289	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2290	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2291	1-216-809-11	METAL CHIP	100	5%	1/10W
R2293	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R2294	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2295	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2296	1-216-864-11	SHORT CHIP	0		
R2297	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R2298	1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R2299	1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R2300	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R2301	1-216-864-11	SHORT CHIP	0		
R2302	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2303	1-216-813-11	METAL CHIP	220	5%	1/10W
R2304	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R2305	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2306	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2307	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R2308	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2309	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2310	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2311	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2312	1-216-864-11	SHORT CHIP	0		
R2313	1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R2314	1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R2315	1-216-864-11	SHORT CHIP	0		
R2316	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2317	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R2318	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2319	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R2320	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2321	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2322	1-216-864-11	SHORT CHIP	0		
R2323	1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R2324	1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R2325	1-216-864-11	SHORT CHIP	0		
R2326	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2327	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R2328	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2329	1-216-805-11	METAL CHIP	47	5%	1/10W
R2330	1-216-805-11	METAL CHIP	47	5%	1/10W
R2331	1-216-809-11	METAL CHIP	100	5%	1/10W
R2332	1-216-809-11	METAL CHIP	100	5%	1/10W
R2333	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2334	1-218-876-11	METAL CHIP	16K	0.5%	1/10W
R2336	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R2337	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2338	1-216-864-11	SHORT CHIP	0		
R2340	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R2341	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R2342	1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R2343	1-216-864-11	SHORT CHIP	0		
R2344	1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R2345	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2346	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2347	1-216-864-11	SHORT CHIP	0		
R2348	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2349	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2350	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2351	1-216-809-11	METAL CHIP	100	5%	1/10W
R2352	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2353	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R2354	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R2355	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2356	1-216-864-11	SHORT CHIP	0		
R2357	1-216-864-11	SHORT CHIP	0		
R2358	1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R2359	1-216-864-11	SHORT CHIP	0		
R2360	1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R2362	1-216-864-11	SHORT CHIP	0		
R2363	1-216-864-11	SHORT CHIP	0		
R2364	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2367	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2368	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R2369	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2370	1-218-876-11	METAL CHIP	16K	0.5%	1/10W
R2378	1-216-809-11	METAL CHIP	100	5%	1/10W
R2386	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2387	1-216-809-11	METAL CHIP	100	5%	1/10W
R2391	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
R2392	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2395	1-216-857-11	METAL CHIP	1M	5%	1/10W (AEP, UK)
R2396	1-218-876-11	METAL CHIP	16K	0.5%	1/10W
R2397	1-218-876-11	METAL CHIP	16K	0.5%	1/10W
R2408	1-216-864-11	SHORT CHIP	0		
R2409	1-216-864-11	SHORT CHIP	0		
R2410	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2412	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2413	1-216-864-11	SHORT CHIP	0		
R2414	1-216-864-11	SHORT CHIP	0		
R2415	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2416	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R2418	1-216-809-11	METAL CHIP	100	5%	1/10W
R2419	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R2420	1-216-809-11	METAL CHIP	100	5%	1/10W
R2421	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2424	1-216-809-11	METAL CHIP	100	5%	1/10W
R2425	1-216-809-11	METAL CHIP	100	5%	1/10W
R2426	1-216-809-11	METAL CHIP	100	5%	1/10W
R2431	1-216-809-11	METAL CHIP	100	5%	1/10W
R2432	1-216-809-11	METAL CHIP	100	5%	1/10W
R2433	1-216-809-11	METAL CHIP	100	5%	1/10W
R2434	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R2435	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R2436	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R2437	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R2439	1-216-864-11	SHORT CHIP	0		
R2441	1-218-876-11	METAL CHIP	16K	0.5%	1/10W
R2443	1-218-876-11	METAL CHIP	16K	0.5%	1/10W
R2444	1-218-876-11	METAL CHIP	16K	0.5%	1/10W
R2445	1-218-876-11	METAL CHIP	16K	0.5%	1/10W
R2455	1-218-876-11	METAL CHIP	16K	0.5%	1/10W
R2456	1-216-295-91	SHORT CHIP	0		
R2457	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2458	1-216-864-11	SHORT CHIP	0		
R2460	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2461	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2462	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R2463	1-211-969-11	METAL CHIP	10	0.5%	1/10W (AEP, UK)
R2464	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (AEP, UK)
R2465	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (AEP, UK)
R2466	1-211-985-11	METAL CHIP	47	0.5%	1/10W (AEP, UK)
R2467	1-211-985-11	METAL CHIP	47	0.5%	1/10W (AEP, UK)
R2468	1-211-985-11	METAL CHIP	47	0.5%	1/10W (AEP, UK)
R2469	1-211-985-11	METAL CHIP	47	0.5%	1/10W (AEP, UK)
R2470	1-211-985-11	METAL CHIP	47	0.5%	1/10W (AEP, UK)
R2471	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AEP, UK)
R2472	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AEP, UK)
R2473	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AEP, UK)
R2474	1-211-969-11	METAL CHIP	10	0.5%	1/10W (AEP, UK)

D-AUDIO **D-VIDEO**

Ref. No.	Part No.	Description			Remark
R2478	1-216-864-11	SHORT CHIP	0		
R2479	1-216-864-11	SHORT CHIP	0		
R2480	1-216-864-11	SHORT CHIP	0		
R2481	1-216-864-11	SHORT CHIP	0		
R2482	1-216-864-11	SHORT CHIP	0		
R2483	1-216-864-11	SHORT CHIP	0		
R2484	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2485	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2487	1-218-876-11	METAL CHIP	16K	0.5%	1/10W
R2488	1-216-864-11	SHORT CHIP	0		
R2490	1-216-809-11	METAL CHIP	100	5%	1/10W
R2491	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
R2492	1-216-864-11	SHORT CHIP	0		
R2493	1-218-876-11	METAL CHIP	16K	0.5%	1/10W
R2494	1-218-876-11	METAL CHIP	16K	0.5%	1/10W
R2495	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R2496	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R2497	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R2498	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R3004	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
R3005	1-218-871-11	METAL CHIP	10K	0.5%	1/10W (AEP, UK)
R3007	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (AEP, UK)
R3008	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (AEP, UK)
R3009	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (AEP, UK)
R3010	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (AEP, UK)
R3012	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (AEP, UK)
		< COMPOSITION CIRCUIT BLOCK >			
RB2001	1-233-576-11	RES, CHIP NETWORK 100 (3216)			
RB2002	1-233-576-11	RES, CHIP NETWORK 100 (3216)			
RB2003	1-233-576-11	RES, CHIP NETWORK 100 (3216)			
RB2004	1-233-576-11	RES, CHIP NETWORK 100 (3216)			
RB2005	1-233-576-11	RES, CHIP NETWORK 100 (3216)			
RB2006	1-233-576-11	RES, CHIP NETWORK 100 (3216)			
RB2007	1-233-576-11	RES, CHIP NETWORK 100 (3216)			
RB2008	1-233-576-11	RES, CHIP NETWORK 100 (3216)			
RB2009	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
		< VIBRATOR >			
X2001	1-795-779-21	VIBRATOR, CRYSTAL (22.5792 MHz)			
X2200	1-795-752-21	VIBRATOR, CRYSTAL (12 MHz) (AEP, UK)			
X2201	1-814-344-11	QUARTZ CRYSTAL UNIT (24.576 MHz)			
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🔒	A-1822-904-A	D-VIDEO BOARD, COMPLETE (for SERVICE) (US, CND)			
🔒	A-1822-906-A	D-VIDEO BOARD, COMPLETE (for SERVICE) (AEP, UK)			
		**********			
		< CAPACITOR >			
C3111	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3112	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3113	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3114	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3115	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description			Remark
C3116	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3117	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3118	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3119	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3120	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3121	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3122	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3123	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3124	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3125	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3126	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3127	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3128	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3129	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3130	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3131	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3132	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C3133	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3134	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3135	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C3136	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C3137	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3138	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3139	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3140	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3141	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3142	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3274	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3402	1-124-779-00	ELECT CHIP	10uF	20%	16V
C3403	1-165-492-21	ELECT CHIP	100uF	20%	10V
C3441	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3442	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3451	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C3452	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3453	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3454	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3481	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3483	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C3500	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C3501	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3523	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3524	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3525	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3526	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3527	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3528	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3529	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3530	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3531	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3532	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3533	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3534	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3535	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3536	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3537	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3540	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3541	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3542	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3543	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3544	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description			Remark
C3545	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3546	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3547	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3549	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3550	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3551	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3552	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3554	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3555	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3556	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3557	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3558	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3559	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3561	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3562	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3563	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3564	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3565	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3566	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3567	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3568	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3569	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3570	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3571	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3572	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3573	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3574	1-165-492-21	ELECT CHIP	100uF	20%	10V
C3575	1-165-492-21	ELECT CHIP	100uF	20%	10V
C3576	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3577	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3578	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3579	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C3580	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3581	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3582	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3583	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3584	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C3585	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3586	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3587	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3588	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3590	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3591	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3592	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3593	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3596	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C3597	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3598	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3599	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3600	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3601	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3602	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3603	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C3604	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3605	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3606	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3607	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3610	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3612	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3614	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description			Remark
C3616	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3618	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3620	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3623	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3624	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3630	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3631	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3635	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3636	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3639	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3640	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3641	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3642	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3643	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3644	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3645	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3646	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3648	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3649	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3650	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3651	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3652	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3653	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3654	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3656	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3658	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3659	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3661	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3662	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3664	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3665	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3666	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3667	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3668	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3669	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3670	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3671	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3672	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3673	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3674	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3675	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3676	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3677	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3679	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3680	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3681	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3682	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3683	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3684	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3685	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3686	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3687	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3688	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3689	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3690	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3691	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3692	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3693	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3694	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3695	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V

D-VIDEO

Ref. No.	Part No.	Description			Remark
C3696	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3698	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3699	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3701	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3702	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3703	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3704	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3705	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3706	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3707	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3708	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3709	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3710	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3711	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3712	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3713	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3714	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3715	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3716	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3717	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C3718	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3719	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3720	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3725	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3726	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3727	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3728	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3730	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3731	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3732	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3733	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3734	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3735	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3736	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3737	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3739	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3740	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3741	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3742	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3743	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3744	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3745	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3748	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3749	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3750	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3751	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3752	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3753	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3754	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3757	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3758	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3759	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3760	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3761	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3762	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3763	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3764	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3765	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3766	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3767	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3768	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3769	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3770	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3771	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3774	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3775	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3776	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3777	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3778	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3779	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3780	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3781	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3782	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3783	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3784	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3785	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3786	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3787	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3788	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3789	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3790	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3791	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3792	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3793	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3794	1-165-492-21	ELECT CHIP	100uF	20%	10V
C3796	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3797	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3798	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3799	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3800	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C3801	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C3802	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C3803	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3805	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3806	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C3818	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3819	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3820	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3822	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3823	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C3824	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3826	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C3850	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3851	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3853	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3854	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3856	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3857	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3858	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C3859	1-117-446-81	CERAMIC CHIP	0.0039uF	10%	16V
C3860	1-117-949-81	CERAMIC CHIP	820PF	10%	50V
C3861	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3862	1-165-492-21	ELECT CHIP	100uF	20%	10V
C3864	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3866	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3867	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3868	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3869	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C3870	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3871	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description				Remark
	C3872	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C3873	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
	C3874	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C3875	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C3876	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
	C3996	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
	C3997	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
	C3999	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
			< CONNECTOR >			
	CN3502	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) IN 5 (VIDEO 1))			
	CN3503	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) IN 4 (BD/DVD) for AUDIO)			
	CN3504	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) IN 3 (SA-CD/CD) for AUDIO)			
	CN3505	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) IN 2 (SAT/CATV))			
	CN3506	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) IN 1 (GAME))			
	CN3508	1-793-336-11	CONNECTOR, BOARD TO TOARD 6P			
	CN3509	1-779-992-11	PIN, CONNECTOR (PWB) 8P			
	CN3510	1-820-119-41	CONNECTOR, FFC/FPC 21P			
	CN3511	1-820-735-31	HDMI CONNECTOR (HDMI OUT A ARC)			
	CN3512	1-820-735-31	HDMI CONNECTOR (HDMI OUT B)			
*	CN3523	1-564-104-00	PIN, CONNECTOR (3.96 mm PITCH) 3P			
	CN3524	1-822-482-21	HDMI CONNECTOR			
	CN3526	1-822-482-21	HDMI CONNECTOR			
	CN3571	1-770-468-21	PIN, CONNECTOR (PC BOARD) 10P			
	CN3607	1-794-032-21	PIN, CONNECTOR (PC BOARD) 11P			
	CN3608	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
	CN3611	1-764-250-21	PIN, CONNECTOR (PC BOARD) 4P			
			< DIODE >			
	D3511	6-502-398-01	DIODE SA10QA04			
	D3513	6-502-398-01	DIODE SA10QA04			
	D3514	6-502-398-01	DIODE SA10QA04			
	D3515	6-502-398-01	DIODE SA10QA04			
	D3516	6-502-398-01	DIODE SA10QA04			
	D3618	6-502-398-01	DIODE SA10QA04			
	D3619	6-502-398-01	DIODE SA10QA04			
	D3851	6-502-961-01	DIODE DA2J10100L			
	D3852	6-502-961-01	DIODE DA2J10100L			
			< LUG TERMINAL >			
*	ET3901	1-780-408-11	TERMINAL, LUG			
			< JUMPER RESISTOR/FERRITE BEAD >			
	FB3111	1-216-864-11	SHORT CHIP 0			
	FB3112	1-216-864-11	SHORT CHIP 0			
	FB3113	1-414-234-22	INDUCTOR, FERRITE BEAD			
	FB3421	1-216-864-11	SHORT CHIP 0			
	FB3423	1-216-864-11	SHORT CHIP 0			
	FB3502	1-414-234-22	INDUCTOR, FERRITE BEAD			
	FB3503	1-414-234-22	INDUCTOR, FERRITE BEAD			
	FB3504	1-469-324-21	FERRITE, EMI (SMD) (2012)			
	FB3505	1-469-152-11	FERRITE, EMI (SMD) (2012)			
	FB3506	1-414-234-22	INDUCTOR, FERRITE BEAD			
	FB3507	1-469-324-21	FERRITE, EMI (SMD) (2012)			
	FB3510	1-469-152-11	FERRITE, EMI (SMD) (2012)			
	FB3513	1-469-152-11	FERRITE, EMI (SMD) (2012)			

Ref. No.	Part No.	Description	Remark
FB3514	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3558	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB3602	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3606	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3607	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3608	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3609	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB3610	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3611	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3612	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3613	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3614	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3617	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3618	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3632	1-414-234-22	INDUCTOR, FERRITE BEAD	
		< COIL >	
* FL3501	1-457-685-11	COMMON MODE CHOKE COIL	
* FL3502	1-457-685-11	COMMON MODE CHOKE COIL	
* FL3503	1-457-685-11	COMMON MODE CHOKE COIL	
* FL3504	1-457-685-11	COMMON MODE CHOKE COIL	
FL3505	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3506	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3507	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3508	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3509	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3510	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3511	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3512	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3513	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3514	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3516	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3518	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3520	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3521	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
FL3524	1-114-724-11	FILTER, EMI REMOVAL (SMD)	
* FL3533	1-457-685-11	COMMON MODE CHOKE COIL	
* FL3534	1-457-685-11	COMMON MODE CHOKE COIL	
* FL3535	1-457-685-11	COMMON MODE CHOKE COIL	
* FL3536	1-457-685-11	COMMON MODE CHOKE COIL	
FL3601	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
FL3602	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
FL3603	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
FL3604	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
		< IC >	
IC3111	(Not supplied)	IC XC3S200AN-4FTG256C-HDSEL01	
IC3112	6-713-854-01	IC NJM2847F3-012 (TE2)	
IC3113	6-713-476-01	IC NJM2888F33 (TE2)	
IC3503	6-714-848-01	IC TDA19997HL/C1	
IC3511	(Not supplied)	IC SII9233ACTU	
IC3513	(Not supplied)	IC SII9134CTU	
IC3514	(Not supplied)	IC SII9134CTU	
IC3515	6-708-913-01	IC TK73400AU3G0L-C	
IC3516	6-705-337-01	IC TK11150CSCL-G	
IC3517	6-708-913-01	IC TK73400AU3G0L-C	
IC3519	6-714-020-01	IC TK63812AMHGHL-C	
IC3520	6-705-337-01	IC TK11150CSCL-G	
IC3521	6-705-337-01	IC TK11150CSCL-G	
IC3524	6-707-879-01	IC TC74VHC541FT (EKJ)	

Note: IC3111, IC3511, IC3513 and IC3514 on the D-VIDEO board cannot exchange with single. When these parts are damaged, exchange the complete mounted board.

D-VIDEO

Ref. No.	Part No.	Description			Remark
@ IC3601	6-711-139-01	IC FLI8638-LF-BC			
IC3602	6-715-302-01	IC EM6AA160TSA-4G			
IC3608	6-702-300-01	IC TK11118CSCL-G			
IC3612	6-708-913-01	IC TK73400AU3G0L-C			
IC3614	6-702-302-01	IC TK11133CSCL-G			
IC3615	6-717-343-01	IC MX29LV320EBTI-70-FLIA57X100			
IC3616	6-702-302-01	IC TK11133CSCL-G			
IC3618	6-715-302-01	IC EM6AA160TSA-4G			
IC3621	6-714-151-01	IC R1EX24032ASAS0A			
IC3622	6-704-470-01	IC TK11233CMCL-G			
IC3801	6-709-888-01	IC TC7WHU04FK			
IC3850	6-709-565-01	IC ADV7322KSTZ			
IC3851	6-704-261-01	IC TK11225CMCL-G			
IC3852	6-702-301-01	IC TK11125CSCL-G			
IC3854	6-710-444-01	IC CY2302-SXC-1T			
IC3860	6-702-302-01	IC TK11133CSCL-G			
		< COIL >			
L3501	1-469-525-91	INDUCTOR	10uH		
L3505	1-469-525-91	INDUCTOR	10uH		
L3506	1-469-525-91	INDUCTOR	10uH		
L3507	1-469-525-91	INDUCTOR	10uH		
L3508	1-469-525-91	INDUCTOR	10uH		
L3509	1-469-525-91	INDUCTOR	10uH		
L3510	1-469-525-91	INDUCTOR	10uH		
L3511	1-469-525-91	INDUCTOR	10uH		
L3512	1-469-525-91	INDUCTOR	10uH		
L3513	1-469-525-91	INDUCTOR	10uH		
L3514	1-469-525-91	INDUCTOR	10uH		
L3613	1-412-977-41	INDUCTOR	0.68uH		
L3614	1-412-977-41	INDUCTOR	0.68uH		
L3615	1-412-977-41	INDUCTOR	0.68uH		
L3616	1-412-977-41	INDUCTOR	0.68uH		
L3617	1-469-525-91	INDUCTOR	10uH		
		< RESISTOR >			
R3101	1-218-933-11	METAL CHIP	22	5%	1/16W
R3102	1-218-990-81	SHORT CHIP	0		
R3103	1-218-933-11	METAL CHIP	22	5%	1/16W
R3104	1-218-933-11	METAL CHIP	22	5%	1/16W
R3111	1-218-990-81	SHORT CHIP	0		
R3112	1-218-990-81	SHORT CHIP	0		
R3113	1-218-990-81	SHORT CHIP	0		
R3114	1-218-990-81	SHORT CHIP	0		
R3115	1-218-990-81	SHORT CHIP	0		
R3116	1-218-990-81	SHORT CHIP	0		
R3117	1-218-933-11	METAL CHIP	22	5%	1/16W
R3118	1-218-933-11	METAL CHIP	22	5%	1/16W
R3119	1-218-933-11	METAL CHIP	22	5%	1/16W
R3120	1-218-990-81	SHORT CHIP	0		
R3121	1-218-990-81	SHORT CHIP	0		
R3122	1-218-990-81	SHORT CHIP	0		
R3123	1-218-929-11	METAL CHIP	10	5%	1/16W
R3124	1-218-929-11	METAL CHIP	10	5%	1/16W
R3125	1-218-941-81	METAL CHIP	100	5%	1/16W
R3126	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3127	1-218-947-11	METAL CHIP	330	5%	1/16W
R3128	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3129	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3130	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3131	1-218-947-11	METAL CHIP	330	5%	1/16W
R3132	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3133	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3134	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3135	1-218-941-81	METAL CHIP	100	5%	1/16W
R3136	1-218-941-81	METAL CHIP	100	5%	1/16W
R3139	1-218-938-11	METAL CHIP	56	5%	1/16W
R3140	1-218-938-11	METAL CHIP	56	5%	1/16W
R3141	1-218-938-11	METAL CHIP	56	5%	1/16W
R3142	1-218-941-81	METAL CHIP	100	5%	1/16W
R3143	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3150	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R3151	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R3152	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R3211	1-218-941-81	METAL CHIP	100	5%	1/16W
R3212	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3213	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3215	1-218-933-11	METAL CHIP	22	5%	1/16W
R3216	1-218-937-11	METAL CHIP	47	5%	1/16W
R3220	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3223	1-218-937-11	METAL CHIP	47	5%	1/16W
R3226	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3227	1-218-933-11	METAL CHIP	22	5%	1/16W
R3228	1-218-929-11	METAL CHIP	10	5%	1/16W
R3229	1-218-933-11	METAL CHIP	22	5%	1/16W
R3230	1-218-933-11	METAL CHIP	22	5%	1/16W
R3231	1-218-929-11	METAL CHIP	10	5%	1/16W
R3232	1-218-929-11	METAL CHIP	10	5%	1/16W
R3233	1-218-937-11	METAL CHIP	47	5%	1/16W
R3234	1-218-933-11	METAL CHIP	22	5%	1/16W
R3235	1-218-929-11	METAL CHIP	10	5%	1/16W
R3236	1-218-929-11	METAL CHIP	10	5%	1/16W
R3237	1-218-933-11	METAL CHIP	22	5%	1/16W
R3238	1-218-933-11	METAL CHIP	22	5%	1/16W
R3239	1-218-929-11	METAL CHIP	10	5%	1/16W
R3240	1-218-929-11	METAL CHIP	10	5%	1/16W
R3241	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R3242	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R3243	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R3283	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3296	1-218-933-11	METAL CHIP	22	5%	1/16W
R3297	1-218-929-11	METAL CHIP	10	5%	1/16W
R3300	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3332	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3333	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3404	1-218-929-11	METAL CHIP	10	5%	1/16W
R3405	1-218-949-11	METAL CHIP	470	5%	1/16W
R3406	1-218-949-11	METAL CHIP	470	5%	1/16W
R3415	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3416	1-218-929-11	METAL CHIP	10	5%	1/16W
R3418	1-218-938-11	METAL CHIP	56	5%	1/16W
R3420	1-218-937-11	METAL CHIP	47	5%	1/16W
R3431	1-218-941-81	METAL CHIP	100	5%	1/16W
R3434	1-218-935-11	METAL CHIP	33	5%	1/16W
R3438	1-218-929-11	METAL CHIP	10	5%	1/16W
R3441	1-208-883-81	METAL CHIP	680	0.5%	1/16W
R3442	1-218-990-81	SHORT CHIP	0		
R3443	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R3444	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R3447	1-218-973-11	METAL CHIP	47K	5%	1/16W

@ Replacement of IC3601 on the D-VIDEO board used in this unit requires a special tool.

Ref. No.	Part No.	Description			Remark
R3511	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3512	1-218-937-11	METAL CHIP	47	5%	1/16W
R3513	1-218-937-11	METAL CHIP	47	5%	1/16W
R3514	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3515	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3516	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3517	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3521	1-218-933-11	METAL CHIP	22	5%	1/16W
R3523	1-218-990-81	SHORT CHIP	0		
R3524	1-218-933-11	METAL CHIP	22	5%	1/16W
R3528	1-218-990-81	SHORT CHIP	0		
R3530	1-218-933-11	METAL CHIP	22	5%	1/16W
R3531	1-218-933-11	METAL CHIP	22	5%	1/16W
R3532	1-208-709-11	METAL CHIP	12K	0.5%	1/16W
R3536	1-218-933-11	METAL CHIP	22	5%	1/16W
R3540	1-218-933-11	METAL CHIP	22	5%	1/16W
R3544	1-218-937-11	METAL CHIP	47	5%	1/16W
R3545	1-218-937-11	METAL CHIP	47	5%	1/16W
R3546	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3548	1-216-805-11	METAL CHIP	47	5%	1/10W
R3549	1-216-805-11	METAL CHIP	47	5%	1/10W
R3550	1-216-805-11	METAL CHIP	47	5%	1/10W
R3551	1-216-805-11	METAL CHIP	47	5%	1/10W
R3552	1-216-805-11	METAL CHIP	47	5%	1/10W
R3554	1-216-805-11	METAL CHIP	47	5%	1/10W
R3556	1-216-809-11	METAL CHIP	100	5%	1/10W
R3557	1-216-813-11	METAL CHIP	220	5%	1/10W
R3558	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3560	1-218-933-11	METAL CHIP	22	5%	1/16W
R3561	1-218-933-11	METAL CHIP	22	5%	1/16W
R3562	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3563	1-218-941-81	METAL CHIP	100	5%	1/16W
R3564	1-216-797-11	METAL CHIP	10	5%	1/10W
R3565	1-218-929-11	METAL CHIP	10	5%	1/16W
R3566	1-218-929-11	METAL CHIP	10	5%	1/16W
R3567	1-218-929-11	METAL CHIP	10	5%	1/16W
R3568	1-216-805-11	METAL CHIP	47	5%	1/10W
R3570	1-216-809-11	METAL CHIP	100	5%	1/10W
R3571	1-216-805-11	METAL CHIP	47	5%	1/10W
R3572	1-216-805-11	METAL CHIP	47	5%	1/10W
R3573	1-216-805-11	METAL CHIP	47	5%	1/10W
R3574	1-216-805-11	METAL CHIP	47	5%	1/10W
R3575	1-216-805-11	METAL CHIP	47	5%	1/10W
R3576	1-218-937-11	METAL CHIP	47	5%	1/16W
R3577	1-218-937-11	METAL CHIP	47	5%	1/16W
R3578	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3579	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3580	1-208-883-81	METAL CHIP	680	0.5%	1/16W
R3581	1-218-941-81	METAL CHIP	100	5%	1/16W
R3582	1-218-990-81	SHORT CHIP	0		
R3583	1-218-929-11	METAL CHIP	10	5%	1/16W
R3584	1-218-929-11	METAL CHIP	10	5%	1/16W
R3585	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3586	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3587	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3589	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R3590	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3591	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3592	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R3593	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3594	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3595	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3596	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3597	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R3598	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3599	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R3600	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R3601	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3602	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3603	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3623	1-208-855-81	METAL CHIP	47	0.5%	1/16W
R3629	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3630	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3631	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3632	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3634	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3636	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3637	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3673	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3676	1-218-990-81	SHORT CHIP	0		
R3678	1-218-949-11	METAL CHIP	470	5%	1/16W
R3680	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3681	1-218-937-11	METAL CHIP	47	5%	1/16W
R3684	1-218-981-91	METAL CHIP	220K	5%	1/16W
R3687	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R3688	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R3689	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3692	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R3695	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R3697	1-216-295-91	SHORT CHIP	0		
R3702	1-218-938-11	METAL CHIP	56	5%	1/16W
R3703	1-208-871-81	METAL CHIP	220	0.5%	1/16W
R3713	1-218-938-11	METAL CHIP	56	5%	1/16W
R3714	1-218-938-11	METAL CHIP	56	5%	1/16W
R3715	1-218-938-11	METAL CHIP	56	5%	1/16W
R3716	1-208-871-81	METAL CHIP	220	0.5%	1/16W
R3717	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R3718	1-208-871-81	METAL CHIP	220	0.5%	1/16W
R3719	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R3720	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R3721	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R3723	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R3726	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R3727	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R3728	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3731	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3737	1-216-295-91	SHORT CHIP	0		
R3740	1-218-942-11	METAL CHIP	120	5%	1/16W
R3741	1-218-941-81	METAL CHIP	100	5%	1/16W
R3742	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3744	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3747	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3748	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3749	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3750	1-218-990-81	SHORT CHIP	0		
R3751	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3752	1-218-990-81	SHORT CHIP	0		
R3753	1-218-990-81	SHORT CHIP	0		
R3754	1-218-990-81	SHORT CHIP	0		
R3755	1-218-990-81	SHORT CHIP	0		

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Ref. No.	Part No.	Description			Remark
R3756	1-218-990-81	SHORT CHIP	0		
R3759	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3764	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3765	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3766	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3767	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3768	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3769	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3770	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3771	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3772	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3773	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3777	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3778	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3779	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3780	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3783	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3784	1-218-990-81	SHORT CHIP	0		
R3785	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3786	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3788	1-216-864-11	SHORT CHIP	0		
R3789	1-216-864-11	SHORT CHIP	0		
R3791	1-216-864-11	SHORT CHIP	0		
R3792	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3793	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3794	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3795	1-208-855-81	METAL CHIP	47	0.5%	1/16W
R3796	1-208-855-81	METAL CHIP	47	0.5%	1/16W
R3797	1-208-855-81	METAL CHIP	47	0.5%	1/16W
R3798	1-208-855-81	METAL CHIP	47	0.5%	1/16W
R3799	1-216-864-11	SHORT CHIP	0		
R3800	1-218-933-11	METAL CHIP	22	5%	1/16W
R3801	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3803	1-216-864-11	SHORT CHIP	0		
R3805	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3806	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3807	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3808	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3809	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3810	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3813	1-218-933-11	METAL CHIP	22	5%	1/16W
R3814	1-216-864-11	SHORT CHIP	0		
R3815	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3817	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3818	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3819	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3820	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3821	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3822	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3823	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3824	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3825	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3826	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3827	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3828	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3829	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3830	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3831	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3832	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3833	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3834	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3835	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3836	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3837	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3838	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3839	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3840	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3841	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3842	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3843	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3844	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3845	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3846	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3847	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3848	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3849	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3850	1-216-864-11	SHORT CHIP	0		
R3851	1-218-938-11	METAL CHIP	56	5%	1/16W
R3852	1-218-938-11	METAL CHIP	56	5%	1/16W
R3853	1-218-938-11	METAL CHIP	56	5%	1/16W
R3854	1-216-864-11	SHORT CHIP	0		
R3855	1-216-864-11	SHORT CHIP	0		
R3856	1-216-864-11	SHORT CHIP	0		
R3857	1-216-864-11	SHORT CHIP	0		
R3858	1-218-990-81	SHORT CHIP	0		
R3859	1-216-864-11	SHORT CHIP	0		
R3860	1-218-990-81	SHORT CHIP	0		
R3861	1-218-990-81	SHORT CHIP	0		
R3862	1-218-990-81	SHORT CHIP	0		
R3863	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R3864	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R3865	1-218-951-11	METAL CHIP	680	5%	1/16W
R3866	1-218-941-81	METAL CHIP	100	5%	1/16W
R3867	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R3868	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R3869	1-216-864-11	SHORT CHIP	0		
R3870	1-218-990-81	SHORT CHIP	0		
R3871	1-208-874-81	METAL CHIP	300	0.5%	1/16W
R3872	1-208-874-81	METAL CHIP	300	0.5%	1/16W
R3873	1-208-874-81	METAL CHIP	300	0.5%	1/16W
R3874	1-208-874-81	METAL CHIP	300	0.5%	1/16W
R3875	1-208-874-81	METAL CHIP	300	0.5%	1/16W
R3876	1-208-874-81	METAL CHIP	300	0.5%	1/16W
R3877	1-218-933-11	METAL CHIP	22	5%	1/16W
R3878	1-218-938-11	METAL CHIP	56	5%	1/16W
R3879	1-218-938-11	METAL CHIP	56	5%	1/16W
R3880	1-218-938-11	METAL CHIP	56	5%	1/16W
R3881	1-216-864-11	SHORT CHIP	0		
R3882	1-216-864-11	SHORT CHIP	0		
R3883	1-216-864-11	SHORT CHIP	0		
R3884	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R3885	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R3886	1-216-864-11	SHORT CHIP	0		
R3887	1-218-941-81	METAL CHIP	100	5%	1/16W
R3889	1-218-990-81	SHORT CHIP	0		
R3891	1-218-933-11	METAL CHIP	22	5%	1/16W
R3892	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3893	1-218-935-11	METAL CHIP	33	5%	1/16W
R3894	1-218-935-11	METAL CHIP	33	5%	1/16W
R3895	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R3896	1-216-864-11	SHORT CHIP	0		
R3897	1-218-937-11	METAL CHIP	47	5%	1/16W
R3898	1-218-937-11	METAL CHIP	47	5%	1/16W
R3899	1-218-938-11	METAL CHIP	56	5%	1/16W
R3900	1-218-938-11	METAL CHIP	56	5%	1/16W
R3901	1-216-864-11	SHORT CHIP	0		
R3902	1-216-864-11	SHORT CHIP	0		
R3903	1-216-864-11	SHORT CHIP	0		
R3904	1-218-938-11	METAL CHIP	56	5%	1/16W
R3905	1-218-938-11	METAL CHIP	56	5%	1/16W
R3906	1-218-935-11	METAL CHIP	33	5%	1/16W
R3908	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3909	1-216-864-11	SHORT CHIP	0		
R3910	1-216-864-11	SHORT CHIP	0		
R3911	1-216-864-11	SHORT CHIP	0		
R3912	1-216-864-11	SHORT CHIP	0		
R3937	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R3938	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R3939	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3940	1-218-974-11	METAL CHIP	56K	5%	1/16W
R3941	1-208-923-11	METAL CHIP	33K	0.5%	1/16W
R3942	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R3943	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R3955	1-208-923-11	METAL CHIP	33K	0.5%	1/16W
R3956	1-208-720-11	METAL CHIP	36K	0.5%	1/16W
R3964	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R3986	1-218-941-81	METAL CHIP	100	5%	1/16W
R3990	1-216-805-11	METAL CHIP	47	5%	1/10W
R3992	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3993	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3994	1-208-943-11	METAL CHIP	220K	0.5%	1/16W
R3996	1-208-947-11	METAL CHIP	330K	0.5%	1/16W
R3998	1-216-295-91	SHORT CHIP	0		
		< COMPOSITION CIRCUIT BLOCK >			
RB3111	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3112	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3113	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3114	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3115	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3116	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3117	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3118	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3119	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3120	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3121	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3122	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3123	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3124	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3125	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3126	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3127	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3128	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3129	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3502	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3503	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3505	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3506	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3508	1-234-369-21	RES, NETWORK	10 (1005X4)		
RB3509	1-234-369-21	RES, NETWORK	10 (1005X4)		

Ref. No.	Part No.	Description			Remark
RB3601	1-234-371-11	RES, NETWORK	47 (1005X4)		
RB3602	1-234-371-11	RES, NETWORK	47 (1005X4)		
RB3603	1-234-371-11	RES, NETWORK	47 (1005X4)		
RB3604	1-234-370-21	RES, NETWORK	22 (1005X4)		
RB3605	1-234-371-11	RES, NETWORK	47 (1005X4)		
RB3606	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3607	1-234-370-21	RES, NETWORK	22 (1005X4)		
RB3608	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3610	1-234-371-11	RES, NETWORK	47 (1005X4)		
RB3612	1-234-370-21	RES, NETWORK	22 (1005X4)		
RB3614	1-234-371-11	RES, NETWORK	47 (1005X4)		
RB3627	1-234-371-11	RES, NETWORK	47 (1005X4)		
RB3628	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3630	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3631	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3636	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3637	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB3851	1-234-371-11	RES, NETWORK	47 (1005X4)		
RB3852	1-234-371-11	RES, NETWORK	47 (1005X4)		
RB3853	1-234-371-11	RES, NETWORK	47 (1005X4)		
RB3854	1-234-371-11	RES, NETWORK	47 (1005X4)		
		< RELAY >			
RY3601	1-755-624-11	RELAY FTR-B4GA003Z			
		< VIBRATOR >			
X3501	1-814-401-11	OSCILLATOR, CRYSTAL (27 MHz)			
X3602	1-814-385-11	QUARTS CRYSTAL UNIT (19.6608 MHz)			
**********					
	A-1822-834-A	DCDC BOARD, COMPLETE **********			
		< CAPACITOR >			
C1403	1-114-994-11	ELECT	2200uF	20%	35V
C1404	1-114-994-11	ELECT	2200uF	20%	35V
C1405	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1406	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1407	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1408	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1409	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1410	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1411	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1412	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1413	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1414	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1415	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1416	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1417	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1418	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1419	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1420	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1421	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1422	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1423	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1424	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1425	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1426	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1427	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1428	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V

DCDC

Ref. No.	Part No.	Description			Remark
C1429	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1430	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1431	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1432	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1433	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1434	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1435	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C1436	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C1437	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1438	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C1439	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C1440	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C1441	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1442	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1443	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1444	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1445	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1446	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C1447	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1448	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1449	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C1450	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C1451	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C1452	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C1453	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C1454	1-112-527-91	CERAMIC CHIP	680PF	2%	50V
C1455	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C1456	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1457	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C1458	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C1459	1-112-527-91	CERAMIC CHIP	680PF	2%	50V
C1460	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1461	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1462	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1463	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1464	1-100-831-91	CERAMIC CHIP	0.001uF	2%	50V
C1465	1-100-831-91	CERAMIC CHIP	0.001uF	2%	50V
C1471	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1473	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C1474	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C1475	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C1476	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1477	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1478	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1480	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C1481	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C1482	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C1483	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1484	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1485	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1487	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1488	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1490	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1491	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1492	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1495	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1497	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C1498	1-128-991-21	ELECT CHIP	10uF	20%	50V
C1499	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C1500	1-164-874-11	CERAMIC CHIP	100PF	5%	50V

Ref. No.	Part No.	Description			Remark
C1502	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1503	1-112-080-11	ELECT	470uF	20%	10V
C1504	1-112-089-11	ELECT	47uF	20%	25V
C1505	1-112-080-11	ELECT	470uF	20%	10V
C1506	1-112-080-11	ELECT	470uF	20%	10V
C1507	1-112-416-11	ELECT	220uF	20%	16V
C1508	1-112-416-11	ELECT	220uF	20%	16V
		< CONNECTOR >			
CN1401	1-785-101-11	PIN, CONNECTOR (3.96 mm PITCH) 3P			
CN1402	1-784-922-11	PIN, CONNECTOR 5P			
CN1404	1-785-104-11	PIN, CONNECTOR (3.96 mm PITCH) 6P			
CN1405	1-691-776-11	PLUG (MICRO CONNECTOR) 14P			
		< DIODE >			
D1401	8-719-060-88	DIODE D4SBS6			
D1403	6-500-864-01	DIODE RB050LA-40TR			
D1404	6-500-864-01	DIODE RB050LA-40TR			
D1405	6-500-754-01	DIODE D1FM3			
D1406	6-500-754-01	DIODE D1FM3			
D1407	6-500-754-01	DIODE D1FM3			
D1408	6-500-754-01	DIODE D1FM3			
D1409	6-502-961-01	DIODE DA2J10100L			
D1410	6-502-961-01	DIODE DA2J10100L			
		< FUSE HOLDER >			
⚠ FH1401	1-533-313-11	FUSE HOLDER			
⚠ FH1402	1-533-313-11	FUSE HOLDER			
⚠ FH1403	1-533-313-11	FUSE HOLDER			
⚠ FH1404	1-533-313-11	FUSE HOLDER			
		< IC >			
IC1401	6-711-654-01	IC TPS5420DRG4			
IC1402	6-711-654-01	IC TPS5420DRG4			
IC1403	6-716-575-01	IC TPS54331GDR			
IC1404	6-716-575-01	IC TPS54331GDR			
IC1405	6-716-575-01	IC TPS54331GDR			
IC1406	6-716-575-01	IC TPS54331GDR			
IC1407	6-702-913-01	IC S-80929CNMC-G8ZT2G			
		< COIL >			
L1401	1-460-470-11	CHOKE COIL	22uH		
L1402	1-456-065-21	CHOKE COIL	22uH		
L1403	1-456-065-21	CHOKE COIL	22uH		
L1404	1-456-065-21	CHOKE COIL	22uH		
L1405	1-460-470-11	CHOKE COIL	22uH		
L1406	1-460-470-11	CHOKE COIL	22uH		
L1407	1-457-995-11	CHOKE COIL	10uH		
L1408	1-457-995-11	CHOKE COIL	10uH		
L1409	1-457-995-11	CHOKE COIL	10uH		
L1410	1-457-995-11	CHOKE COIL	10uH		
L1411	1-457-995-11	CHOKE COIL	10uH		
		< TRANSISTOR >			
Q1401	8-729-038-30	TRANSISTOR	RT1P141M-TP-1		
Q1402	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
		< RESISTOR >			
R1401	1-218-941-81	METAL CHIP	100	5%	1/16W
R1402	1-218-941-81	METAL CHIP	100	5%	1/16W

Ref. No.	Part No.	Description			Remark
R1403	1-218-941-81	METAL CHIP	100	5%	1/16W
R1404	1-218-941-81	METAL CHIP	100	5%	1/16W
R1405	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1406	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1407	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R1408	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R1409	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R1410	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R1411	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R1412	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R1413	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R1414	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1415	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1420	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R1421	1-218-941-81	METAL CHIP	100	5%	1/16W
R1422	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R1423	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R1424	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1425	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R1426	1-208-883-81	METAL CHIP	680	0.5%	1/16W
R1427	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1428	1-208-883-81	METAL CHIP	680	0.5%	1/16W
R1429	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1430	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R1431	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R1432	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R1433	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R1435	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R1436	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R1437	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R1438	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R1439	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1440	1-216-864-11	SHORT CHIP	0		
R1441	1-216-864-11	SHORT CHIP	0		
R1446	1-216-864-11	SHORT CHIP	0		
R1447	1-216-864-11	SHORT CHIP	0		
R1448	1-216-864-11	SHORT CHIP	0		
R1449	1-216-864-11	SHORT CHIP	0		
R1450	1-216-864-11	SHORT CHIP	0		
R1451	1-216-864-11	SHORT CHIP	0		
R1455	1-208-931-11	METAL CHIP	68K	0.5%	1/16W
R1456	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1457	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1462	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R1463	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R1464	1-208-715-11	METAL CHIP	22K	0.5%	1/16W

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	A-1822-832-A	DCDC2 BOARD, COMPLETE			
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		< CAPACITOR >			
C3901	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C3903	1-116-716-11	CERAMIC CHIP	10uF	10%	16V
C3904	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C3905	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3906	1-114-811-11	CERAMIC CHIP	0.0033uF	10%	50V
C3907	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C3908	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C3909	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3910	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V

Ref. No.	Part No.	Description			Remark
C3911	1-112-080-11	ELECT	470uF	20%	10V
C3912	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C3914	1-116-716-11	CERAMIC CHIP	10uF	10%	16V
C3915	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C3916	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3917	1-114-811-11	CERAMIC CHIP	0.0033uF	10%	50V
C3918	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C3919	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C3920	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3921	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3922	1-112-080-11	ELECT	470uF	20%	10V
		< CONNECTOR >			
* CN3701	1-564-104-00	PIN, CONNECTOR (3.96 mm PITCH) 3P			
CN3702	1-785-102-11	PIN, CONNECTOR (3.96 mm PITCH) 4P			
		< IC >			
IC3901	6-716-852-01	IC TPS54425PWPR			
IC3902	6-714-935-01	IC TPS54225PWPR			
		< COIL >			
L3902	1-457-771-11	CHOKE COIL	2.2uH		
L3903	1-456-065-21	CHOKE COIL	22uH		
L3904	1-457-735-11	CHOKE COIL	10uH		
L3905	1-457-995-11	CHOKE COIL	10uH		
L3906	1-457-995-11	CHOKE COIL	10uH		
		< RESISTOR >			
R3911	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3912	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R3913	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R3914	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R3915	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3916	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R3917	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R3918	1-216-793-11	METAL CHIP	4.7	5%	1/10W

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	A-1822-812-A	DISPLAY BOARD, COMPLETE (US, CND)			
	A-1822-813-A	DISPLAY BOARD, COMPLETE (AEP, UK)			
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		< CAPACITOR >			
C162	1-126-176-11	ELECT	220uF	20%	10V
C701	1-104-957-11	ELECT	47uF	20%	25V
C704	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C706	1-104-957-11	ELECT	47uF	20%	25V
C707	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C708	1-126-795-11	ELECT	10uF	20%	50V
C712	1-165-733-31	ELECT	100uF	20%	25V
C713	1-114-910-91	FILM	0.0039uF	5%	250V
C714	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C715	1-137-807-31	ELECT	100uF	20%	50V
C716	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C719	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C721	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C722	1-126-795-11	ELECT	10uF	20%	50V
C723	1-126-795-11	ELECT	10uF	20%	50V
C725	1-104-957-11	ELECT	47uF	20%	25V
C726	1-104-957-11	ELECT	47uF	20%	25V
C727	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V

DISPLAY

Ref. No.	Part No.	Description			Remark
C728	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C729	1-116-865-11	CERAMIC CHIP	10uF	10%	25V
C730	1-116-865-11	CERAMIC CHIP	10uF	10%	25V
C731	1-116-865-11	CERAMIC CHIP	10uF	10%	25V
C732	1-116-865-11	CERAMIC CHIP	10uF	10%	25V
C733	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C734	1-104-957-11	ELECT	47uF	20%	25V
C735	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C737	1-126-795-11	ELECT	10uF	20%	50V
C739	1-126-795-11	ELECT	10uF	20%	50V
C740	1-126-795-11	ELECT	10uF	20%	50V
C741	1-126-795-11	ELECT	10uF	20%	50V
C742	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C743	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C745	1-126-795-11	ELECT	10uF	20%	50V
C746	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C747	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C748	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C749	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C750	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C751	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C754	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C757	1-104-957-11	ELECT	47uF	20%	25V
C758	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C759	1-114-301-91	ELECT	100uF	20%	16V
C760	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C761	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C762	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C763	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C764	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C765	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C766	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C767	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C768	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C769	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C770	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C771	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C772	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C773	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C774	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C776	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C777	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C778	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C779	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C780	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C781	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C782	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C783	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C785	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C786	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C787	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C788	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C789	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C790	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C791	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C792	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C793	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C794	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C795	1-104-957-11	ELECT	47uF	20%	25V
C797	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CN710	1-784-930-11	PIN, CONNECTOR 15P	
CN711	1-784-929-11	PIN, CONNECTOR 14P	
CN757	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P	
CN758	1-784-922-11	PIN, CONNECTOR 5P	
		< DIODE >	
D701	8-719-075-59	LED SELS5B23C-TP15 (HD-D.C.S.)	
D702	8-719-075-59	LED SELS5B23C-TP15 (BERLIN PHILHARMONIC HALL)	
D703	6-502-413-01	LED SELT5E23C-S TP15 (MULTI CHANNEL DECODING)	
D704	6-502-978-01	DIODE DA2J10400L	
D705	6-502-978-01	DIODE DA2J10400L	
D706	6-502-978-01	DIODE DA2J10400L	
D707	6-502-978-01	DIODE DA2J10400L	
D708	6-502-970-01	DIODE DZ2J068M0L	
D709	6-502-961-01	DIODE DA2J10100L	
D710	6-502-961-01	DIODE DA2J10100L	
D711	6-502-961-01	DIODE DA2J10100L	
D712	6-502-961-01	DIODE DA2J10100L	
D715	8-719-057-29	DIODE SML78423C-TP15	
D716	8-719-075-59	LED SELS5B23C-TP15 (TRUE CONCERT MAPPING)	
D717	6-502-961-01	DIODE DA2J10100L	
D718	6-502-961-01	DIODE DA2J10100L	
D757	6-502-961-01	DIODE DA2J10100L	
D758	6-502-961-01	DIODE DA2J10100L	
D759	6-502-961-01	DIODE DA2J10100L	
D760	8-719-060-48	DIODE RB751V-40TE-17	
		< FERRITE BEAD >	
FB701	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB702	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB703	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB757	1-469-152-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC701	6-600-768-01	IC PNA4823M03S0 (R)	
IC702	6-715-074-01	IC MM1963DTRE	
IC703	8-759-825-56	IC NJM2173AV (TE2)	
IC757	6-707-870-01	IC TC74VHC157FT (EKJ)	
IC758	8-759-523-84	IC TC74VHC14FT (EL)	
IC759	8-759-447-77	IC TC7WH74FU (TE12R)	
IC760	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC761	8-759-058-62	IC TC7S08FU (TE85R)	
IC763	A-1822-910-A	IC MB90F058PF-G-JNE1 (for SERVICE)	
		< JUMPER RESISTOR >	
JR001	1-216-864-11	SHORT CHIP 0	
JR002	1-216-864-11	SHORT CHIP 0	
JR003	1-216-864-11	SHORT CHIP 0	
JR004	1-216-864-11	SHORT CHIP 0	
JR005	1-216-864-11	SHORT CHIP 0	
JR006	1-216-864-11	SHORT CHIP 0	
JR007	1-216-864-11	SHORT CHIP 0	
JR008	1-216-864-11	SHORT CHIP 0	
JR009	1-216-864-11	SHORT CHIP 0	
JR010	1-216-864-11	SHORT CHIP 0	
JR011	1-216-864-11	SHORT CHIP 0	
JR012	1-216-864-11	SHORT CHIP 0	

Ref. No.	Part No.	Description			Remark
JR013	1-216-864-11	SHORT CHIP	0		
JR014	1-216-864-11	SHORT CHIP	0		
JR015	1-216-864-11	SHORT CHIP	0		
JR016	1-216-864-11	SHORT CHIP	0		
JR017	1-216-864-11	SHORT CHIP	0		
JR018	1-216-864-11	SHORT CHIP	0		
JR019	1-216-864-11	SHORT CHIP	0		
JR020	1-216-864-11	SHORT CHIP	0		
JR021	1-216-864-11	SHORT CHIP	0		
JR022	1-216-864-11	SHORT CHIP	0		
JR702	1-216-864-11	SHORT CHIP	0		
JW117	1-216-864-11	SHORT CHIP	0		
JW138	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L701	1-421-967-11	CHOKE COIL	100uH		
		< FLUORESCENT INDICATOR TUBE >			
ND701	1-483-383-11	INDICATOR TUBE, FLUORESCENT			
		< TRANSISTOR >			
Q702	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q703	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q704	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q705	6-552-809-01	TRANSISTOR	2SC5566-TD-E		
Q706	6-552-809-01	TRANSISTOR	2SC5566-TD-E		
Q707	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q708	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q709	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q710	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q711	8-729-216-22	TRANSISTOR	2SA1162-G		
Q712	8-729-216-22	TRANSISTOR	2SA1162-G		
Q713	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q714	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q757	6-551-696-01	TRANSISTOR	ISA1235AC1-T112-1EF		
Q758	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q759	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q760	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q761	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q762	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
		< RESISTOR >			
R191	1-216-833-11	METAL CHIP	10K	5%	1/10W
R226	1-216-805-11	METAL CHIP	47	5%	1/10W
R228	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R229	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R230	1-216-833-11	METAL CHIP	10K	5%	1/10W
R231	1-216-864-11	SHORT CHIP	0		
R243	1-216-809-11	METAL CHIP	100	5%	1/10W
R244	1-216-809-11	METAL CHIP	100	5%	1/10W
R245	1-216-809-11	METAL CHIP	100	5%	1/10W
R246	1-216-809-11	METAL CHIP	100	5%	1/10W
R247	1-216-864-11	SHORT CHIP	0		
R249	1-216-809-11	METAL CHIP	100	5%	1/10W
R250	1-216-809-11	METAL CHIP	100	5%	1/10W
R251	1-216-809-11	METAL CHIP	100	5%	1/10W
R252	1-216-809-11	METAL CHIP	100	5%	1/10W
R253	1-216-809-11	METAL CHIP	100	5%	1/10W
R254	1-216-809-11	METAL CHIP	100	5%	1/10W
R256	1-216-817-11	METAL CHIP	470	5%	1/10W

Ref. No.	Part No.	Description			Remark
R257	1-216-809-11	METAL CHIP	100	5%	1/10W
R258	1-216-809-11	METAL CHIP	100	5%	1/10W
R259	1-216-809-11	METAL CHIP	100	5%	1/10W
R260	1-216-809-11	METAL CHIP	100	5%	1/10W
R261	1-216-809-11	METAL CHIP	100	5%	1/10W
R262	1-216-809-11	METAL CHIP	100	5%	1/10W
R263	1-216-809-11	METAL CHIP	100	5%	1/10W
R264	1-216-809-11	METAL CHIP	100	5%	1/10W
R265	1-216-809-11	METAL CHIP	100	5%	1/10W
R266	1-216-833-11	METAL CHIP	10K	5%	1/10W
R269	1-216-833-11	METAL CHIP	10K	5%	1/10W
R270	1-216-833-11	METAL CHIP	10K	5%	1/10W
R271	1-216-845-11	METAL CHIP	100K	5%	1/10W
R272	1-216-833-11	METAL CHIP	10K	5%	1/10W
R274	1-216-833-11	METAL CHIP	10K	5%	1/10W
R275	1-216-833-11	METAL CHIP	10K	5%	1/10W
R276	1-216-833-11	METAL CHIP	10K	5%	1/10W
R277	1-216-833-11	METAL CHIP	10K	5%	1/10W
R278	1-216-833-11	METAL CHIP	10K	5%	1/10W
R279	1-216-833-11	METAL CHIP	10K	5%	1/10W
R280	1-216-833-11	METAL CHIP	10K	5%	1/10W
R283	1-216-809-11	METAL CHIP	100	5%	1/10W
R284	1-216-809-11	METAL CHIP	100	5%	1/10W
R285	1-216-809-11	METAL CHIP	100	5%	1/10W
R286	1-216-809-11	METAL CHIP	100	5%	1/10W
R287	1-216-845-11	METAL CHIP	100K	5%	1/10W
R288	1-216-819-11	METAL CHIP	680	5%	1/10W
R290	1-216-833-11	METAL CHIP	10K	5%	1/10W
R292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R294	1-216-817-11	METAL CHIP	470	5%	1/10W
R295	1-216-815-11	METAL CHIP	330	5%	1/10W
R296	1-216-805-11	METAL CHIP	47	5%	1/10W
R297	1-216-805-11	METAL CHIP	47	5%	1/10W
R298	1-216-805-11	METAL CHIP	47	5%	1/10W
R299	1-216-805-11	METAL CHIP	47	5%	1/10W
R701	1-216-805-11	METAL CHIP	47	5%	1/10W
R704	1-216-809-11	METAL CHIP	100	5%	1/10W
R706	1-216-797-11	METAL CHIP	10	5%	1/10W
R709	1-216-864-11	SHORT CHIP	0		
R710	1-216-864-11	SHORT CHIP	0		
R711	1-216-809-11	METAL CHIP	100	5%	1/10W
R712	1-216-833-11	METAL CHIP	10K	5%	1/10W
R713	1-216-821-11	METAL CHIP	1K	5%	1/10W
R714	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R715	1-216-813-11	METAL CHIP	220	5%	1/10W
R716	1-216-813-11	METAL CHIP	220	5%	1/10W
R717	1-216-821-11	METAL CHIP	1K	5%	1/10W
R718	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R719	1-216-845-11	METAL CHIP	100K	5%	1/10W
R720	1-216-809-11	METAL CHIP	100	5%	1/10W
R721	1-216-811-11	METAL CHIP	150	5%	1/10W
R723	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R724	1-216-821-11	METAL CHIP	1K	5%	1/10W
R725	1-216-837-11	METAL CHIP	22K	5%	1/10W
R726	1-216-833-11	METAL CHIP	10K	5%	1/10W
R727	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R728	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R729	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R730	1-216-821-11	METAL CHIP	1K	5%	1/10W
R731	1-216-830-11	METAL CHIP	5.6K	5%	1/10W

DISPLAY **DSP**

Ref. No.	Part No.	Description			Remark
R732	1-216-833-11	METAL CHIP	10K	5%	1/10W
R733	1-216-809-11	METAL CHIP	100	5%	1/10W
R734	1-216-838-11	METAL CHIP	27K	5%	1/10W
R735	1-216-845-11	METAL CHIP	100K	5%	1/10W
R736	1-216-821-11	METAL CHIP	1K	5%	1/10W
R737	1-216-833-11	METAL CHIP	10K	5%	1/10W
R738	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
R742	1-216-815-11	METAL CHIP	330	5%	1/10W
R743	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R744	1-216-821-11	METAL CHIP	1K	5%	1/10W
R745	1-216-849-11	METAL CHIP	220K	5%	1/10W
R746	1-216-843-11	METAL CHIP	68K	5%	1/10W
R747	1-216-815-11	METAL CHIP	330	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
R752	1-216-825-11	METAL CHIP	2.2K	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
R755	1-216-821-11	METAL CHIP	1K	5%	1/10W
R756	1-216-845-11	METAL CHIP	100K	5%	1/10W
R757	1-216-833-11	METAL CHIP	10K	5%	1/10W
R758	1-216-813-11	METAL CHIP	220	5%	1/10W
R759	1-216-845-11	METAL CHIP	100K	5%	1/10W
R760	1-216-833-11	METAL CHIP	10K	5%	1/10W
R761	1-216-857-11	METAL CHIP	1M	5%	1/10W
R762	1-216-813-11	METAL CHIP	220	5%	1/10W
R763	1-216-845-11	METAL CHIP	100K	5%	1/10W
R764	1-216-845-11	METAL CHIP	100K	5%	1/10W
R765	1-216-809-11	METAL CHIP	100	5%	1/10W
R766	1-216-817-11	METAL CHIP	470	5%	1/10W
R767	1-216-833-11	METAL CHIP	10K	5%	1/10W
R768	1-216-837-11	METAL CHIP	22K	5%	1/10W
R769	1-216-837-11	METAL CHIP	22K	5%	1/10W
R770	1-216-821-11	METAL CHIP	1K	5%	1/10W
R771	1-216-845-11	METAL CHIP	100K	5%	1/10W
R772	1-216-833-11	METAL CHIP	10K	5%	1/10W
R773	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R774	1-216-813-11	METAL CHIP	220	5%	1/10W
R775	1-216-821-11	METAL CHIP	1K	5%	1/10W
R776	1-216-845-11	METAL CHIP	100K	5%	1/10W
R777	1-216-845-11	METAL CHIP	100K	5%	1/10W
R778	1-216-845-11	METAL CHIP	100K	5%	1/10W
R779	1-216-845-11	METAL CHIP	100K	5%	1/10W
R780	1-216-833-11	METAL CHIP	10K	5%	1/10W
R781	1-216-833-11	METAL CHIP	10K	5%	1/10W
R782	1-216-833-11	METAL CHIP	10K	5%	1/10W
R783	1-216-833-11	METAL CHIP	10K	5%	1/10W
R784	1-216-833-11	METAL CHIP	10K	5%	1/10W
R785	1-216-809-11	METAL CHIP	100	5%	1/10W
R786	1-216-809-11	METAL CHIP	100	5%	1/10W
R787	1-216-809-11	METAL CHIP	100	5%	1/10W
R788	1-216-809-11	METAL CHIP	100	5%	1/10W
R789	1-216-809-11	METAL CHIP	100	5%	1/10W
R790	1-216-809-11	METAL CHIP	100	5%	1/10W
R791	1-216-845-11	METAL CHIP	100K	5%	1/10W
R792	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R793	1-216-833-11	METAL CHIP	10K	5%	1/10W
R795	1-216-845-11	METAL CHIP	100K	5%	1/10W
R796	1-216-845-11	METAL CHIP	100K	5%	1/10W
R797	1-216-845-11	METAL CHIP	100K	5%	1/10W
R798	1-216-845-11	METAL CHIP	100K	5%	1/10W
R799	1-216-845-11	METAL CHIP	100K	5%	1/10W
R867	1-216-864-11	SHORT CHIP	0		
R868	1-216-864-11	SHORT CHIP	0		
R869	1-216-864-11	SHORT CHIP	0		
R870	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R871	1-216-821-11	METAL CHIP	1K	5%	1/10W
R872	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R873	1-216-079-00	METAL CHIP	18K	5%	1/10W
R874	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
		< SWITCH/ROTARY ENCODER >			
S701	1-771-349-21	SWITCH, KEYBOARD (INPUT MODE)			
S702	1-771-349-21	SWITCH, KEYBOARD (DISPLAY MODE)			
S703	1-771-349-21	SWITCH, KEYBOARD (DIMMER)			
S704	1-771-349-21	SWITCH, KEYBOARD (MUSIC)			
S705	1-771-349-21	SWITCH, KEYBOARD (MOVIE/HD-D.C.S.)			
S706	1-771-349-21	SWITCH, KEYBOARD (A.F.D.)			
S707	1-771-349-21	SWITCH, KEYBOARD (2CH/A.DIRECT)			
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 (ZONE SELECT)			
S712	1-771-349-21	SWITCH, KEYBOARD (ZONE POWER)			
S713	1-476-980-11	ENCODER (Including Nut) (TONE)			
S714	1-476-980-11	ENCODER (Including Nut) (TUNING)			
S715	1-476-980-11	ENCODER (Including Nut) (INPUT SELECTOR)			
S716	1-771-349-21	SWITCH, KEYBOARD (I/⏻)			
S717	1-771-349-21	SWITCH, KEYBOARD (HDMI OUT A/B/A+B/OFF)			
S718	1-771-349-21	SWITCH, KEYBOARD (SOUND/OPTIMIZER)			
S719	1-771-349-21	SWITCH, KEYBOARD (SPEAKERS A/B/A+B/OFF)			
		< TRANSFORMER >			
T701	1-445-015-11	TRANSFORMER, DC-DC CONVERTER			
		< VIBRATOR >			
X757	1-781-282-51	VIBRATOR, CERAMIC (4 MHz)			
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	A-1822-851-A	DSP BOARD, COMPLETE (US, CND)			
	A-1822-852-A	DSP BOARD, COMPLETE (AEP, UK)			
		**********			
		< CAPACITOR >			
C5000	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5002	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5003	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5004	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C5005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5006	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5007	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5008	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5009	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5016	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5017	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V

Ref. No.	Part No.	Description			Remark
C5018	1-114-617-21	ELECT	3300uF	20%	6.3V
C5019	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5021	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5031	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5038	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5042	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5044	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5045	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5046	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5047	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5048	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5050	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5051	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5052	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5053	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5054	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5055	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5056	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5057	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5058	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5059	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5060	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5061	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5062	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5063	1-126-208-21	ELECT CHIP	47uF	20%	4V
C5064	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5065	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5066	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5067	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5068	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5069	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5070	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C5072	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5073	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5074	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5075	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C5076	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5077	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C5078	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5079	1-114-617-21	ELECT	3300uF	20%	6.3V
C5081	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C5082	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C5083	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C5085	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5200	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5201	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5203	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5204	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C5205	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5206	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5207	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5208	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5209	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5216	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5217	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5218	1-114-617-21	ELECT	3300uF	20%	6.3V
C5219	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5220	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5223	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5224	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5225	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5226	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5227	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5229	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5230	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5231	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5232	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5233	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5234	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5235	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5236	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5237	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5238	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5239	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5242	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5244	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5245	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5246	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5247	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5248	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5249	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5250	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5251	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5252	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5253	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5254	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5255	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5256	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5257	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5258	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5259	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5260	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5261	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5262	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5263	1-126-208-21	ELECT CHIP	47uF	20%	4V
C5264	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

DSP

Ref. No.	Part No.	Description			Remark
C5265	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5266	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5267	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5268	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5269	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5270	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C5272	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5273	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5274	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5275	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C5276	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5277	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C5278	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5279	1-114-617-21	ELECT	3300uF	20%	6.3V
C5285	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
		< CONNECTOR >			
CN5000	1-784-210-21	CONNECTOR 7P			
CN5001	1-785-125-21	CONNECTOR 6P			
CN5002	1-815-136-21	CONNECTOR, BOARD TO BOARD			
CN5200	1-785-125-21	CONNECTOR 6P			
		< LUG TERMINAL >			
* ET5001	1-780-408-11	TERMINAL, LUG			
		< FERRITE BEAD >			
FB5000	1-400-862-11	BEAD, FERRITE			
FB5001	1-400-862-11	BEAD, FERRITE			
FB5200	1-400-862-11	BEAD, FERRITE			
FB5201	1-400-862-11	BEAD, FERRITE			
		< IC >			
IC5000	6-716-354-01	IC W9864G6JH-6-ER10			
IC5001	6-717-405-01	IC ADSST-AVR-3022			
IC5002	A-1822-912-A	IC W25Q16BVSSIG (for SERVICE)			
IC5003	6-716-471-01	IC SI-3010LLSL-TL			
IC5005	6-709-888-01	IC TC7WHU04FK			
IC5200	6-716-354-01	IC W9864G6JH-6-ER10			
IC5201	6-717-403-01	IC ADSST-AVR-3023			
IC5202	A-1822-913-A	IC W25Q16BVSSIG (for SERVICE)			
IC5203	6-716-471-01	IC SI-3010LLSL-TL			
		< RESISTOR >			
R5000	1-216-809-11	METAL CHIP	100	5%	1/10W
R5001	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5002	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5003	1-216-801-11	METAL CHIP	22	5%	1/10W
R5004	1-216-801-11	METAL CHIP	22	5%	1/10W
R5005	1-216-801-11	METAL CHIP	22	5%	1/10W
R5006	1-216-801-11	METAL CHIP	22	5%	1/10W
R5007	1-216-801-11	METAL CHIP	22	5%	1/10W
R5008	1-216-801-11	METAL CHIP	22	5%	1/10W
R5009	1-216-801-11	METAL CHIP	22	5%	1/10W
R5010	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5011	1-216-801-11	METAL CHIP	22	5%	1/10W
R5012	1-216-801-11	METAL CHIP	22	5%	1/10W
R5013	1-216-801-11	METAL CHIP	22	5%	1/10W
R5014	1-216-801-11	METAL CHIP	22	5%	1/10W
R5015	1-216-801-11	METAL CHIP	22	5%	1/10W
R5016	1-216-801-11	METAL CHIP	22	5%	1/10W

Ref. No.	Part No.	Description			Remark
R5017	1-216-801-11	METAL CHIP	22	5%	1/10W
R5018	1-216-801-11	METAL CHIP	22	5%	1/10W
R5019	1-216-801-11	METAL CHIP	22	5%	1/10W
R5020	1-216-801-11	METAL CHIP	22	5%	1/10W
R5021	1-216-809-11	METAL CHIP	100	5%	1/10W
R5022	1-216-805-11	METAL CHIP	47	5%	1/10W
R5023	1-216-801-11	METAL CHIP	22	5%	1/10W
R5024	1-216-801-11	METAL CHIP	22	5%	1/10W
R5025	1-216-809-11	METAL CHIP	100	5%	1/10W
R5026	1-216-801-11	METAL CHIP	22	5%	1/10W
R5027	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5028	1-216-809-11	METAL CHIP	100	5%	1/10W
R5029	1-216-801-11	METAL CHIP	22	5%	1/10W
R5030	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5031	1-216-811-11	METAL CHIP	150	5%	1/10W
R5035	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5036	1-216-809-11	METAL CHIP	100	5%	1/10W
R5037	1-218-941-81	METAL CHIP	100	5%	1/16W
R5038	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5039	1-218-941-81	METAL CHIP	100	5%	1/16W
R5040	1-218-941-81	METAL CHIP	100	5%	1/16W
R5041	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5042	1-216-811-11	METAL CHIP	150	5%	1/10W
R5043	1-218-941-81	METAL CHIP	100	5%	1/16W
R5044	1-218-941-81	METAL CHIP	100	5%	1/16W
R5045	1-218-941-81	METAL CHIP	100	5%	1/16W
R5046	1-218-941-81	METAL CHIP	100	5%	1/16W
R5047	1-216-809-11	METAL CHIP	100	5%	1/10W
R5048	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5049	1-216-809-11	METAL CHIP	100	5%	1/10W
R5051	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5052	1-216-864-11	SHORT CHIP	0		
R5053	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5054	1-216-811-11	METAL CHIP	150	5%	1/10W
R5055	1-216-811-11	METAL CHIP	150	5%	1/10W
R5056	1-216-801-11	METAL CHIP	22	5%	1/10W
R5057	1-216-807-11	METAL CHIP	68	5%	1/10W
R5058	1-216-801-11	METAL CHIP	22	5%	1/10W
R5059	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5060	1-216-864-11	SHORT CHIP	0		
R5061	1-216-864-11	SHORT CHIP	0		
R5062	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5063	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5064	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5065	1-216-811-11	METAL CHIP	150	5%	1/10W
R5066	1-216-811-11	METAL CHIP	150	5%	1/10W
R5067	1-216-811-11	METAL CHIP	150	5%	1/10W
R5068	1-216-801-11	METAL CHIP	22	5%	1/10W
R5069	1-216-801-11	METAL CHIP	22	5%	1/10W
R5070	1-216-801-11	METAL CHIP	22	5%	1/10W
R5071	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5072	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5073	1-216-864-11	SHORT CHIP	0		
R5074	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5075	1-218-941-81	METAL CHIP	100	5%	1/16W
R5076	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5077	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5078	1-216-801-11	METAL CHIP	22	5%	1/10W
R5079	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5080	1-216-801-11	METAL CHIP	22	5%	1/10W

Ref. No.	Part No.	Description			Remark
R5081	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5082	1-216-801-11	METAL CHIP	22	5%	1/10W
R5084	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5085	1-216-864-11	SHORT CHIP	0		
R5092	1-216-864-11	SHORT CHIP	0		
R5093	1-216-864-11	SHORT CHIP	0		
R5094	1-216-864-11	SHORT CHIP	0		
R5095	1-216-864-11	SHORT CHIP	0		
R5096	1-216-864-11	SHORT CHIP	0		
R5097	1-216-864-11	SHORT CHIP	0		
R5098	1-216-864-11	SHORT CHIP	0		
R5099	1-216-864-11	SHORT CHIP	0		
R5105	1-216-864-11	SHORT CHIP	0		
R5107	1-216-864-11	SHORT CHIP	0		
R5108	1-216-864-11	SHORT CHIP	0		
R5109	1-216-864-11	SHORT CHIP	0		
R5110	1-216-864-11	SHORT CHIP	0		
R5111	1-216-864-11	SHORT CHIP	0		
R5112	1-216-864-11	SHORT CHIP	0		
R5118	1-211-981-11	METAL CHIP	33	0.5%	1/10W
R5119	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5120	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5121	1-211-981-11	METAL CHIP	33	0.5%	1/10W
R5122	1-211-981-11	METAL CHIP	33	0.5%	1/10W
R5200	1-216-809-11	METAL CHIP	100	5%	1/10W
R5201	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5202	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5203	1-216-801-11	METAL CHIP	22	5%	1/10W
R5204	1-216-801-11	METAL CHIP	22	5%	1/10W
R5205	1-216-801-11	METAL CHIP	22	5%	1/10W
R5206	1-216-801-11	METAL CHIP	22	5%	1/10W
R5207	1-216-801-11	METAL CHIP	22	5%	1/10W
R5208	1-216-801-11	METAL CHIP	22	5%	1/10W
R5209	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5210	1-216-801-11	METAL CHIP	22	5%	1/10W
R5211	1-216-801-11	METAL CHIP	22	5%	1/10W
R5212	1-216-801-11	METAL CHIP	22	5%	1/10W
R5213	1-216-801-11	METAL CHIP	22	5%	1/10W
R5214	1-216-801-11	METAL CHIP	22	5%	1/10W
R5215	1-216-801-11	METAL CHIP	22	5%	1/10W
R5216	1-216-801-11	METAL CHIP	22	5%	1/10W
R5217	1-216-801-11	METAL CHIP	22	5%	1/10W
R5218	1-216-801-11	METAL CHIP	22	5%	1/10W
R5219	1-216-801-11	METAL CHIP	22	5%	1/10W
R5220	1-216-809-11	METAL CHIP	100	5%	1/10W
R5221	1-216-801-11	METAL CHIP	22	5%	1/10W
R5222	1-216-801-11	METAL CHIP	22	5%	1/10W
R5223	1-216-801-11	METAL CHIP	22	5%	1/10W
R5224	1-216-809-11	METAL CHIP	100	5%	1/10W
R5225	1-216-801-11	METAL CHIP	22	5%	1/10W
R5226	1-216-809-11	METAL CHIP	100	5%	1/10W
R5227	1-216-801-11	METAL CHIP	22	5%	1/10W
R5228	1-216-809-11	METAL CHIP	100	5%	1/10W
R5232	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5233	1-216-809-11	METAL CHIP	100	5%	1/10W
R5234	1-218-941-81	METAL CHIP	100	5%	1/16W
R5235	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5236	1-218-941-81	METAL CHIP	100	5%	1/16W
R5237	1-218-941-81	METAL CHIP	100	5%	1/16W
R5238	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R5239	1-216-811-11	METAL CHIP	150	5%	1/10W
R5240	1-218-941-81	METAL CHIP	100	5%	1/16W
R5241	1-218-941-81	METAL CHIP	100	5%	1/16W
R5242	1-218-941-81	METAL CHIP	100	5%	1/16W
R5243	1-218-941-81	METAL CHIP	100	5%	1/16W
R5244	1-216-809-11	METAL CHIP	100	5%	1/10W
R5245	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5246	1-216-809-11	METAL CHIP	100	5%	1/10W
R5248	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5249	1-216-864-11	SHORT CHIP	0		
R5250	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5251	1-216-811-11	METAL CHIP	150	5%	1/10W
R5252	1-216-811-11	METAL CHIP	150	5%	1/10W
R5253	1-216-801-11	METAL CHIP	22	5%	1/10W
R5254	1-216-807-11	METAL CHIP	68	5%	1/10W
R5255	1-216-801-11	METAL CHIP	22	5%	1/10W
R5256	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5257	1-216-864-11	SHORT CHIP	0		
R5258	1-216-864-11	SHORT CHIP	0		
R5259	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5260	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5261	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5262	1-216-811-11	METAL CHIP	150	5%	1/10W
R5263	1-216-811-11	METAL CHIP	150	5%	1/10W
R5264	1-216-811-11	METAL CHIP	150	5%	1/10W
R5265	1-216-801-11	METAL CHIP	22	5%	1/10W
R5266	1-216-801-11	METAL CHIP	22	5%	1/10W
R5267	1-216-801-11	METAL CHIP	22	5%	1/10W
R5268	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5269	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5270	1-216-864-11	SHORT CHIP	0		
R5271	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5272	1-218-941-81	METAL CHIP	100	5%	1/16W
R5273	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5274	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5275	1-216-801-11	METAL CHIP	22	5%	1/10W
R5276	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5277	1-216-801-11	METAL CHIP	22	5%	1/10W
R5278	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5279	1-216-801-11	METAL CHIP	22	5%	1/10W
R5281	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5282	1-216-864-11	SHORT CHIP	0		
R5283	1-216-801-11	METAL CHIP	22	5%	1/10W
R5284	1-216-801-11	METAL CHIP	22	5%	1/10W

< COMPOSITION CIRCUIT BLOCK >

RB5000	1-234-372-11	RES, NETWORK	100 (1005X4)
RB5001	1-234-372-11	RES, NETWORK	100 (1005X4)
RB5002	1-234-372-11	RES, NETWORK	100 (1005X4)
RB5003	1-234-372-11	RES, NETWORK	100 (1005X4)
RB5200	1-234-372-11	RES, NETWORK	100 (1005X4)
RB5201	1-234-372-11	RES, NETWORK	100 (1005X4)
RB5202	1-234-372-11	RES, NETWORK	100 (1005X4)
RB5203	1-234-372-11	RES, NETWORK	100 (1005X4)

< VIBRATOR >

X5001	1-814-242-11	VIBRATOR, CRYSTAL (25 MHz)	

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E-VOL

Ref. No.	Part No.	Description			Remark
	A-1822-806-A	E-VOL BOARD, COMPLETE (US, CND)			
	A-1822-807-A	E-VOL BOARD, COMPLETE (AEP, UK)			
		**********			
		< CAPACITOR >			
C1202	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C1202	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C1203	1-112-083-11	ELECT	100uF	20%	16V
C1204	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1205	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V
C1206	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C1207	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1208	1-100-565-91	CERAMIC CHIP	0.47uF	10%	35V
C1209	1-100-565-91	CERAMIC CHIP	0.47uF	10%	35V
C1210	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1212	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C1212	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C1213	1-112-083-11	ELECT	100uF	20%	16V
C1214	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1215	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V
C1216	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C1217	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1218	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C1219	1-163-021-91	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 (US, CND)
C1222	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C1223	1-112-083-11	ELECT	100uF	20%	16V
C1224	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1225	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V
C1226	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C1227	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1228	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C1229	1-163-021-91	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 (US, CND)
C1232	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C1233	1-112-083-11	ELECT	100uF	20%	16V
C1234	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1235	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V
C1236	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C1237	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1238	1-100-565-91	CERAMIC CHIP	0.47uF	10%	35V
C1239	1-100-565-91	CERAMIC CHIP	0.47uF	10%	35V
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 (US, CND)
C1252	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C1253	1-112-083-11	ELECT	100uF	20%	16V
C1254	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1255	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V
C1262	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C1262	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C1263	1-112-083-11	ELECT	100uF	20%	16V
C1264	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1265	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V
C1272	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C1272	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C1273	1-112-083-11	ELECT	100uF	20%	16V
C1274	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1275	1-116-173-91	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 (US, CND)
C1282	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C1283	1-112-083-11	ELECT	100uF	20%	16V
C1284	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1285	1-116-173-91	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
C1291	1-124-721-11	ELECT	10uF	20%	50V (AEP, UK)
C1291	1-126-964-11	ELECT	10uF	20%	50V (US, CND)
C1292	1-124-721-11	ELECT	10uF	20%	50V (AEP, UK)
C1292	1-126-964-11	ELECT	10uF	20%	50V (US, CND)
C1293	1-125-779-21	CERAMIC CHIP	0.022uF	5%	25V
C1294	1-125-779-21	CERAMIC CHIP	0.022uF	5%	25V
		< CONNECTOR >			
CN1201	1-842-650-11	CONNECTOR, BOARD TO BOARD 12P			
CN1202	1-842-654-11	CONNECTOR, BOARD TO BOARD 16P			
* CN1203	1-785-517-11	CONNECTOR, BOARD TO BOARD 15P			
CN1204	1-842-650-11	CONNECTOR, BOARD TO BOARD 12P			
CN1208	1-784-925-11	PIN, CONNECTOR 10P			
CN1209	1-784-923-11	PIN, CONNECTOR 7P			
		< 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	METAL CHIP	1K	5%	1/10W (US, CND)
R1203	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1204	1-216-025-11	METAL CHIP	100	5%	1/10W
R1205	1-216-013-00	METAL CHIP	33	5%	1/10W
R1206	1-216-013-00	METAL CHIP	33	5%	1/10W
R1207	1-216-097-11	METAL CHIP	100K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1208	1-260-328-11	CARBON	1K	5%	1/2W (AEP, UK)
R1211	1-260-328-11	CARBON	1K	5%	1/2W (AEP, UK)
R1212	1-216-049-11	METAL CHIP	1K	5%	1/10W (US, CND)
R1213	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1214	1-216-025-11	METAL CHIP	100	5%	1/10W
R1215	1-216-013-00	METAL CHIP	33	5%	1/10W
R1216	1-216-013-00	METAL CHIP	33	5%	1/10W
R1217	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1221	1-260-328-11	CARBON	1K	5%	1/2W (AEP, UK)
R1222	1-216-049-11	METAL CHIP	1K	5%	1/10W (US, CND)
R1223	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1224	1-216-025-11	METAL CHIP	100	5%	1/10W
R1225	1-216-013-00	METAL CHIP	33	5%	1/10W
R1226	1-216-013-00	METAL CHIP	33	5%	1/10W
R1227	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1231	1-260-328-11	CARBON	1K	5%	1/2W (AEP, UK)
R1232	1-216-049-11	METAL CHIP	1K	5%	1/10W (US, CND)
R1233	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1234	1-216-025-11	METAL CHIP	100	5%	1/10W
R1235	1-216-013-00	METAL CHIP	33	5%	1/10W
R1236	1-216-013-00	METAL CHIP	33	5%	1/10W
R1237	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1251	1-260-328-11	CARBON	1K	5%	1/2W (AEP, UK)
R1252	1-216-049-11	METAL CHIP	1K	5%	1/10W (US, CND)
R1253	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1257	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1261	1-260-328-11	CARBON	1K	5%	1/2W (AEP, UK)
R1262	1-216-049-11	METAL CHIP	1K	5%	1/10W (US, CND)
R1263	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1267	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1271	1-260-328-11	CARBON	1K	5%	1/2W (AEP, UK)
R1272	1-216-049-11	METAL CHIP	1K	5%	1/10W (US, CND)
R1273	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1277	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1281	1-260-328-11	CARBON	1K	5%	1/2W (AEP, UK)
R1282	1-216-049-11	METAL CHIP	1K	5%	1/10W (US, CND)
R1283	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1287	1-216-097-11	METAL CHIP	100K	5%	1/10W

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F-HDMI BOARD
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< CAPACITOR >

C852	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C853	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C854	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C855	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CN851	1-487-957-11	CONNECTOR, HDMI	
CN852	1-822-825-11	HDMI CONNECTOR (HDMI IN 6 (VIDEO 2))	
CN853	1-691-550-11	PIN, CONNECTOR (1.5 mm) (SMD) 3P	
		< LUG TERMINAL >	
* ET851	1-780-408-11	TERMINAL, LUG	
* ET854	1-780-408-11	TERMINAL, LUG	
		< FERRITE BEAD >	
FB851	1-469-152-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC851	6-708-758-01	IC PCA9517DP.118	
		< RESISTOR >	
R861	1-216-841-11	METAL CHIP 47K 5%	1/10W
R863	1-218-661-11	METAL CHIP 51 0.5%	1/10W
R864	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R865	1-216-825-11	METAL CHIP 2.2K 5%	1/10W

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FLI-REG BOARD
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< CAPACITOR >

C3751	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3752	1-107-907-11	ELECT	22uF	20%	50V
C3753	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3800	1-107-875-91	ELECT	220uF	20%	10V

< IC >

IC3617	6-713-793-01	IC SI-3010KFEK			

< RESISTOR >

R3737	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3739	1-216-810-11	METAL CHIP	120	5%	1/10W
R3814	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R3815	1-216-864-11	SHORT CHIP	0		

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HAT BOARD
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< CAPACITOR >

C802	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C803	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C804	1-126-947-11	ELECT	47uF	20%	35V
C805	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C806	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C809	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C821	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C831	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C841	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C850	1-126-947-11	ELECT	47uF	20%	35V
C852	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C857	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C858	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C859	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C864	1-126-947-11	ELECT	47uF	20%	35V

HAT **KEY** **MAIN**

Ref. No.	Part No.	Description			Remark
C865	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C866	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C867	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C868	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C869	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
		< CONNECTOR >			
CN807	1-820-117-41	CONNECTOR, FFC/FPC 19P			
		< DIODE >			
D803	6-502-961-01	DIODE DA2J10100L			
		< JUMPER RESISTOR/FERRITE BEAD >			
FB802	1-216-295-91	SHORT CHIP	0		
FB861	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC802	6-700-587-01	IC TC7W53F (TE12R)			
IC861	6-705-514-01	IC MAX3222IPWR			
		< JACK/CONNECTOR >			
J801	1-563-330-31	JACK (IR REMOTE IN)			
J802	1-563-330-31	JACK (IR REMOTE OUT 1)			
J803	1-563-330-31	JACK (IR REMOTE OUT 2)			
J821	1-563-330-31	JACK (TRIGGER OUT MAIN)			
J831	1-563-330-31	JACK (TRIGGER OUT ZONE 2)			
J841	1-563-330-31	JACK (TRIGGER OUT ZONE 3)			
J861	1-822-149-11	D-SUB CONNECTOR 9P (Including Screws)			(RS232C)
		< TRANSISTOR >			
Q821	8-729-037-13	TRANSISTOR	KTA1271Y		
Q822	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q827	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q831	8-729-037-13	TRANSISTOR	KTA1271Y		
Q832	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q841	8-729-037-13	TRANSISTOR	KTA1271Y		
Q842	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
		< RESISTOR >			
R802	1-216-845-11	METAL CHIP	100K	5%	1/10W
R803	1-216-857-11	METAL CHIP	1M	5%	1/10W
R805	1-216-809-11	METAL CHIP	100	5%	1/10W
R806	1-216-809-11	METAL CHIP	100	5%	1/10W
R807	1-216-809-11	METAL CHIP	100	5%	1/10W
R808	1-216-809-11	METAL CHIP	100	5%	1/10W
R813	1-216-809-11	METAL CHIP	100	5%	1/10W
R814	1-216-150-91	METAL CHIP	10	5%	1/8W
R815	1-216-150-91	METAL CHIP	10	5%	1/8W
R817	1-216-864-11	SHORT CHIP	0		
R818	1-216-864-11	SHORT CHIP	0		
R822	1-216-833-11	METAL CHIP	10K	5%	1/10W
R823	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R824	1-216-833-11	METAL CHIP	10K	5%	1/10W
R825	1-216-809-11	METAL CHIP	100	5%	1/10W
R832	1-216-833-11	METAL CHIP	10K	5%	1/10W
R833	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R834	1-216-833-11	METAL CHIP	10K	5%	1/10W
R835	1-216-809-11	METAL CHIP	100	5%	1/10W
R842	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R843	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R844	1-216-833-11	METAL CHIP	10K	5%	1/10W
R845	1-216-809-11	METAL CHIP	100	5%	1/10W
R846	1-216-809-11	METAL CHIP	100	5%	1/10W
R847	1-216-809-11	METAL CHIP	100	5%	1/10W
R853	1-216-864-11	SHORT CHIP	0		
R854	1-216-864-11	SHORT CHIP	0		
R861	1-216-809-11	METAL CHIP	100	5%	1/10W
R862	1-216-809-11	METAL CHIP	100	5%	1/10W
R865	1-216-833-11	METAL CHIP	10K	5%	1/10W
R866	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< THERMISTOR >			
TH821	1-801-726-11	THERMISTOR, POSITIVE			
TH831	1-801-726-11	THERMISTOR, POSITIVE			
TH841	1-801-726-11	THERMISTOR, POSITIVE			
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		KEY BOARD			
		**********			
		< CONNECTOR >			
CN232	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< SWITCH >			
S221	1-771-349-21	SWITCH, KEYBOARD (EASY AUTOMATION 1)			
S222	1-771-349-21	SWITCH, KEYBOARD (EASY AUTOMATION 2)			
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	A-1822-761-A	MAIN BOARD, COMPLETE (US, CND)			
	A-1822-762-A	MAIN BOARD, COMPLETE (AEP, UK)			
		**********			
	3-531-576-41	RIVET (DIA. 3), NYLON			
	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C2082	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2083	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2086	1-112-114-11	ELECT	22uF	20%	50V
C2087	1-112-114-11	ELECT	22uF	20%	50V
C2088	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2089	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2090	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2091	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2093	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2094	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2095	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2096	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2097	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2098	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2099	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2100	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C2101	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C2102	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C2103	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2187	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2188	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2189	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2190	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2191	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2192	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

Ref. No.	Part No.	Description			Remark
C2193	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2194	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2195	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2196	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2197	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2198	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2200	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2201	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2202	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2203	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2204	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2205	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2206	1-112-114-11	ELECT	22uF	20%	50V
C2207	1-112-114-11	ELECT	22uF	20%	50V
C2208	1-112-114-11	ELECT	22uF	20%	50V
C2209	1-112-114-11	ELECT	22uF	20%	50V
C2210	1-112-114-11	ELECT	22uF	20%	50V
C2211	1-112-114-11	ELECT	22uF	20%	50V
C2212	1-112-114-11	ELECT	22uF	20%	50V
C2213	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2213	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C2214	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2215	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2290	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2290	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C2300	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2300	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C2310	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2310	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C2320	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2320	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C2330	1-112-114-11	ELECT	22uF	20%	50V
C2331	1-112-114-11	ELECT	22uF	20%	50V
C2340	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2340	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C2350	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2350	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C2360	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2360	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C2370	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2370	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C2390	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C2391	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C2392	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C2393	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2393	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C2394	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2394	1-128-198-11	ELECT	22uF	20%	63V (AEP, UK)
C2395	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2490	1-114-537-11	ELECT (BLOCK)	8200uF	20%	71V (US, CND)
C2490	1-116-516-11	ELECT (BLOCK)	8200uF	20%	71V (AEP, UK)
C2491	1-114-537-11	ELECT (BLOCK)	8200uF	20%	71V (US, CND)
C2491	1-116-516-11	ELECT (BLOCK)	8200uF	20%	71V (AEP, UK)
C2492	1-114-771-91	MYLAR	0.015uF	5%	100V
C2493	1-114-771-91	MYLAR	0.015uF	5%	100V
C2495	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2496	1-114-764-51	MYLAR	0.33uF	5%	250V
C2497	1-112-422-11	ELECT	470uF	20%	25V
C2498	1-112-422-11	ELECT	470uF	20%	25V
C2499	1-100-163-91	CERAMIC CHIP	0.33uF	10%	25V (US, CND)
C2500	1-100-163-91	CERAMIC CHIP	0.33uF	10%	25V (US, CND)
C2503	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2504	1-112-422-11	ELECT	470uF	20%	25V
C2509	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V (AEP, UK)
C2510	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V (AEP, UK)
C2511	1-114-771-91	MYLAR	0.015uF	5%	100V
C2512	1-114-771-91	MYLAR	0.015uF	5%	100V
C2513	1-112-093-11	ELECT	2200uF	20%	25V
C2514	1-112-093-11	ELECT	2200uF	20%	25V
C2518	1-114-764-51	MYLAR	0.33uF	5%	250V
C4001	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C4002	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C4003	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C5090	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C5091	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C5092	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C5093	1-114-773-91	MYLAR	0.022uF	5%	100V
C5094	1-114-773-91	MYLAR	0.022uF	5%	100V
C5095	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C5096	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C5097	1-114-773-91	MYLAR	0.022uF	5%	100V
C6305	1-112-077-11	ELECT	1000uF	20%	6.3V

< CONNECTOR >

CN1001	1-784-930-11	PIN, CONNECTOR 15P
CN1005	1-842-722-11	CONNECTOR, BOARD TO BOARD 20P
CN1006	1-784-532-11	CONNECTOR, BOARD TO BOARD 14P
CN1203	1-842-645-11	CONNECTOR, BOARD TO BOARD 15P
CN1204	1-842-642-11	CONNECTOR, BOARD TO BOARD 12P
CN1399	1-785-101-11	PIN, CONNECTOR (3.96 mm PITCH) 3P
CN1403	1-785-103-11	PIN, CONNECTOR (3.96 mm PITCH) 5P
CN1405	1-785-102-11	PIN, CONNECTOR (3.96 mm PITCH) 4P
CN1408	1-691-765-11	PLUG (MICRO CONNECTOR) 3P

< DIODE >

D1001	6-502-961-01	DIODE DA2J10100L

MAIN

Ref. No.	Part No.	Description	Remark
D1002	6-502-961-01	DIODE DA2J10100L	
D1003	6-502-961-01	DIODE DA2J10100L	
D1004	6-502-961-01	DIODE DA2J10100L	
D1005	6-502-961-01	DIODE DA2J10100L	
D1006	6-502-961-01	DIODE DA2J10100L	
D1101	6-502-961-01	DIODE DA2J10100L	
D1102	6-502-961-01	DIODE DA2J10100L	
D1103	6-502-961-01	DIODE DA2J10100L	
D1104	6-502-961-01	DIODE DA2J10100L	
D1105	6-502-961-01	DIODE DA2J10100L	
D1106	6-502-961-01	DIODE DA2J10100L	
D1401	8-719-082-57	DIODE D5SBA60F01	
D1403	6-502-961-01	DIODE DA2J10100L	
D1405	8-719-053-18	DIODE 1SR154-400TE-25	
D1406	8-719-053-18	DIODE 1SR154-400TE-25	
D1407	8-719-053-18	DIODE 1SR154-400TE-25	
D1408	8-719-053-18	DIODE 1SR154-400TE-25	
D1411	8-719-061-07	DIODE D5SBA60-F	
D1413	6-502-961-01	DIODE DA2J10100L	
D1414	6-502-961-01	DIODE DA2J10100L	
D1421	6-502-398-01	DIODE SA10QA04	
D1423	6-502-398-01	DIODE SA10QA04	
D2190	6-502-961-01	DIODE DA2J10100L	
D2191	6-502-961-01	DIODE DA2J10100L	
D2192	6-502-961-01	DIODE DA2J10100L	
D2193	6-502-961-01	DIODE DA2J10100L	
D2194	6-502-961-01	DIODE DA2J10100L	
D2195	6-502-961-01	DIODE DA2J10100L	
D4001	6-502-961-01	DIODE DA2J10100L	
D4002	6-502-961-01	DIODE DA2J10100L	
D4003	6-502-961-01	DIODE DA2J10100L	
		< FUSE HOLDER >	
⚠ FH1401	1-533-313-11	FUSE HOLDER	
⚠ FH1402	1-533-313-11	FUSE HOLDER	
⚠ FH1451	1-533-313-11	FUSE HOLDER	
⚠ FH1452	1-533-313-11	FUSE HOLDER	
		< IC >	
IC2090	6-709-811-01	IC TC9274CNG-016	
IC2290	8-759-710-97	IC NJM4565M-D	
IC2300	8-759-710-97	IC NJM4565M-D	
IC2310	8-759-710-97	IC NJM4565M-D	
IC2311	8-759-710-97	IC NJM4565M-D	
IC2320	8-759-710-97	IC NJM4565M-D	
IC2390	6-709-809-01	IC TC9273CFG-012 (EL)	
IC2391	8-759-710-97	IC NJM4565M-D	
IC2392	8-759-710-97	IC NJM4565M-D	
IC2490	6-712-109-01	IC KIA7815API-U/PF (US, CND)	
IC2490	8-759-390-54	IC uPC2415AHF (AEP, UK)	
IC2491	6-712-107-01	IC KIA7915PI (US, CND)	
IC2491	8-759-392-19	IC uPC7915AHF (AEP, UK)	
IC2494	6-713-927-01	IC SI-3011ZD-TLS	
		< JACK >	
J1001	1-784-429-11	JACK, PIN 4P (SA-CD/CD IN, MULTI CHANNEL INPUT FRONT) (US, CND)	
J1001	1-784-430-11	JACK, PIN 4P (SA-CD/CD IN, MULTI CHANNEL INPUT FRONT) (AEP, UK)	
J1002	1-785-489-21	JACK, PIN 6P (MULTI CHANNEL INPUT SURROUND/SUR BACK/CENTER/SUBWOOFER) (AEP, UK)	
J1002	1-821-676-11	JACK, PIN 6P (MULTI CHANNEL SURROUND/ SUR BACK/CENTER/SUBWOOFER) (US, CND)	
J1101	1-794-981-11	JACK, PIN 4P (PRE OUT FRONT/SURROUND) (US, CND)	
J1101	1-794-982-11	JACK, PIN 4P (PRE OUT FRONT/SURROUND) (AEP, UK)	
J1102	1-793-775-12	JACK, PIN 6P (PRE OUT SUR BACK/ FRONT HIGH/CENTER/SUBWOOFER) (US, CND)	
J1102	1-815-543-11	JACK, PIN 6P (PRE OUT SUR BACK/ FRONT HIGH/CENTER/SUBWOOFER) (AEP, UK)	
J1103	1-774-843-11	JACK, PIN 1P (PRE OUT SUBWOOFER) (US, CND)	
J1103	1-794-974-11	JACK, PIN 1P (PRE OUT SUBWOOFER) (AEP, UK)	
		< TRANSISTOR >	
Q1101	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1102	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1103	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1104	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1105	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1106	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1401	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1402	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q4001	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q4002	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q4003	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
		< RESISTOR >	
R1003	1-216-864-11	SHORT CHIP 0 (US, CND)	
R1005	1-216-864-11	SHORT CHIP 0 (US, CND)	
R1007	1-216-864-11	SHORT CHIP 0 (US, CND)	
R1009	1-216-864-11	SHORT CHIP 0 (US, CND)	
R1011	1-216-864-11	SHORT CHIP 0 (US, CND)	
R1013	1-216-864-11	SHORT CHIP 0 (US, CND)	
R1015	1-216-864-11	SHORT CHIP 0 (US, CND)	
R2084	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
R2085	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
⚠ R2086	1-249-399-91	CARBON 33 5% 1/4W	F
⚠ R2087	1-249-399-91	CARBON 33 5% 1/4W	F
R2088	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2089	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2099	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2100	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2101	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2102	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2103	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2104	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2105	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2106	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2107	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2108	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2109	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2187	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2188	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2189	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2190	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2191	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R2192	1-208-437-41	RES-CHIP 1K 2% 1/10W	

Ref. No.	Part No.	Description			Remark
R2193	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2194	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2195	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2196	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2197	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2198	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2199	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2200	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2201	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2202	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2203	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2204	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2205	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R2206	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R2207	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R2208	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R2209	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R2210	1-249-393-91	CARBON	10	5%	1/4W F
R2211	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2212	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2213	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2214	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2215	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2216	1-216-627-11	METAL CHIP	100	0.5%	1/10W
⚠ R2217	1-249-393-91	CARBON	10	5%	1/4W F
R2219	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2220	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2221	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2222	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2223	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2224	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2226	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2227	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2228	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2229	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2230	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2231	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2232	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2233	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2290	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2300	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2310	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2320	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2340	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2350	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2360	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2370	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
⚠ R2390	1-249-399-91	CARBON	33	5%	1/4W F
⚠ R2391	1-249-399-91	CARBON	33	5%	1/4W F
R2392	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2393	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2394	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2395	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2396	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2397	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2398	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2399	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2400	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R2401	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R2402	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R2403	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R2404	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R2405	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R2406	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2407	1-216-809-11	METAL CHIP	100	5%	1/10W
R2408	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠ R2490	1-249-399-91	CARBON	33	5%	1/4W F
R2492	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2493	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R2494	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R2498	1-215-891-51	METAL OXIDE	680	5%	2W F
⚠ R2499	1-215-891-51	METAL OXIDE	680	5%	2W F
R2501	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R2502	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2503	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R2504	1-216-864-11	SHORT CHIP	0		
R2505	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R2506	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R2507	1-249-399-91	CARBON	33	5%	1/4W F
⚠ R5090	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R5091	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R5092	1-249-393-91	CARBON	10	5%	1/4W F
R5095	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5096	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5097	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5098	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5099	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5100	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R5101	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R5102	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R5103	1-249-393-91	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
RY1105	1-755-486-11	RELAY
RY1106	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 BOARD >

⚠ TM4001	1-780-405-11	TERMINAL BOARD (SP) (2P) (SPEAKERS IMPEDANCE USE 4-16 Ω CENTER)
⚠ TM4002	1-780-404-11	TERMINAL BOARD (SP) (8P) (SPEAKERS IMPEDANCE USE 4-16 Ω FRONT A/FRONT B/FRONT HIGH)

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MIC BOARD

****

< CONNECTOR >

*	CN243	1-774-244-11	CONNECTOR, BOARD TO BOARD 5P

MIC **MVOL-KEY1** **NETWORK**

Ref. No.	Part No.	Description	Remark
		< JACK >	
J241	1-842-392-11	JACK, MINIATURE (DIA. 3.5) (AUTO CAL MIC)	
**********			
		MVOL-KEY1 BOARD	
		**********	
		< CONNECTOR >	
CN231	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P	
		< SWITCH >	
S231	1-418-725-41	ENCODER, ROTARY (12 TYPE) (Including Nut)	(MASTER VOLUME)
**********			
	A-1822-908-A	NETWORK BOARD, COMPLETE (for SERVICE)	(AEP)
	A-1870-834-A	NETWORK BOARD, COMPLETE (for SERVICE)	(US, CND)
	A-1870-835-A	NETWORK BOARD, COMPLETE (for SERVICE)	(UK)
		**********	
		< CAPACITOR >	

Ref. No.	Part No.	Description			Remark
C103	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C104	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C105	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C106	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C107	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C108	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C109	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C110	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C111	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C112	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C113	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C114	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C116	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C117	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C118	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C119	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C120	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C121	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C122	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C123	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C125	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C126	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C127	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C128	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C129	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C131	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C133	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C134	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C135	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C136	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C138	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C140	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C141	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C142	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C143	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C144	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C145	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C148	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C149	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C150	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C152	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C154	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C156	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C157	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C159	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C160	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C170	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C201	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C202	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C203	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C204	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C205	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C207	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C208	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C209	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C212	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C214	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C215	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C216	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C217	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C218	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C219	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C220	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C221	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C222	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C223	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C224	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C226	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C227	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C228	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C229	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C230	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C231	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C232	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C233	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C236	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C237	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C239	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C240	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C242	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C243	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C244	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C245	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C301	1-117-681-11	ELECT CHIP	100uF	20%	16V
C302	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C303	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C304	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C305	1-114-802-11	CERAMIC CHIP	0.0033uF	10%	50V
C306	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C307	1-164-942-11	CERAMIC CHIP	0.0068uF	10%	16V
C308	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C309	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C310	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C311	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C312	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C314	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C321	1-114-553-11	CERAMIC CHIP	10uF	10%	16V

Note: When replacing the NETWORK board, refer to "NOTE OF REPLACING THE NETWORK BOARD" (page 5).

Ref. No.	Part No.	Description			Remark
C322	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C323	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C327	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C328	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C329	1-117-614-81	CERAMIC CHIP	0.0082uF	10%	16V
C330	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C331	1-112-778-11	CERAMIC CHIP	0.022uF	10%	25V
C332	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C335	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C336	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C337	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C338	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C341	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C343	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C344	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C347	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C348	1-114-802-11	CERAMIC CHIP	0.0033uF	10%	50V
C350	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C351	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C352	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C354	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V
C381	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C382	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C388	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C389	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C390	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C391	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C394	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C397	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C398	1-114-331-11	CERAMIC CHIP	4.7uF	10%	10V
C399	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C403	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C405	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C415	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C417	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C422	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C423	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C424	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C425	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C426	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C428	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C429	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C430	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C431	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C440	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C443	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C446	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C447	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C448	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C450	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C454	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C504	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C602	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C605	1-112-781-11	CERAMIC CHIP	1uF	10%	10V
C606	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C608	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C611	1-112-781-11	CERAMIC CHIP	1uF	10%	10V
C616	1-128-394-11	ELECT CHIP	220uF	20%	10V
C646	1-114-802-11	CERAMIC CHIP	0.0033uF	10%	50V
C647	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C648	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C650	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C651	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C652	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C653	1-164-942-11	CERAMIC CHIP	0.0068uF	10%	16V
C654	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C655	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C662	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C663	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C664	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C701	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C703	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C705	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C706	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C707	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C712	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C713	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C714	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C715	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C716	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V
C718	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C720	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C812	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C813	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C814	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C819	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C820	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C908	1-128-994-21	ELECT CHIP	47uF	20%	10V
C911	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C912	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C914	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C915	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C918	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C919	1-128-994-21	ELECT CHIP	47uF	20%	10V
C920	1-112-775-11	CERAMIC CHIP	0.0022uF	10%	50V
C921	1-112-775-11	CERAMIC CHIP	0.0022uF	10%	50V
C945	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C946	1-128-994-21	ELECT CHIP	47uF	20%	10V
C947	1-100-703-91	CERAMIC CHIP	10uF	10%	25V
C949	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V
C950	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1001	1-128-994-21	ELECT CHIP	47uF	20%	10V
C1002	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1012	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1014	1-128-994-21	ELECT CHIP	47uF	20%	10V
C1017	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1018	1-100-582-21	ELECT CHIP	470uF	20%	4V
C1022	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1023	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1024	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C1025	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C1026	1-100-582-21	ELECT CHIP	470uF	20%	4V
C1027	1-100-582-21	ELECT CHIP	470uF	20%	4V
C1028	1-100-582-21	ELECT CHIP	470uF	20%	4V
C1093	1-100-582-21	ELECT CHIP	470uF	20%	4V
C1094	1-100-582-21	ELECT CHIP	470uF	20%	4V
C1095	1-100-582-21	ELECT CHIP	470uF	20%	4V
C1096	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1098	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1099	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V

NETWORK

Ref. No.	Part No.	Description			Remark
C1108	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1109	1-116-405-11	CERAMIC CHIP	0.01uF	10%	100V
C1112	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1115	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C1116	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C1117	1-100-881-91	CERAMIC CHIP	47uF	20%	6.3V
C1119	1-100-881-91	CERAMIC CHIP	47uF	20%	6.3V
C1120	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C1121	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C1301	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1302	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C1305	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1306	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C1390	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1397	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
C1701	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1702	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1703	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V
C1704	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V
C2500	1-114-340-81	CERAMIC CHIP	15PF	2%	50V
C2502	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C2503	1-114-340-81	CERAMIC CHIP	15PF	2%	50V
C2505	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2506	1-100-740-81	CERAMIC CHIP	390PF	5%	50V
C2507	1-100-740-81	CERAMIC CHIP	390PF	5%	50V
C2508	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C2509	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2510	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C2511	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2512	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C2513	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C2514	1-100-740-81	CERAMIC CHIP	390PF	5%	50V
C2515	1-100-740-81	CERAMIC CHIP	390PF	5%	50V
C2516	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2517	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2518	1-100-740-81	CERAMIC CHIP	390PF	5%	50V
C2519	1-100-740-81	CERAMIC CHIP	390PF	5%	50V
C2520	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2521	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C2522	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2523	1-100-740-81	CERAMIC CHIP	390PF	5%	50V
C2524	1-100-740-81	CERAMIC CHIP	390PF	5%	50V
C2525	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2526	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C2527	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2528	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2529	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2530	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2531	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2532	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2533	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2534	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2535	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C2536	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2537	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C2538	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2539	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C2541	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2543	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C2544	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2545	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C2546	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C2547	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C2549	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2550	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2552	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2553	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2554	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C2555	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2556	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V
C6601	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C6602	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C6603	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
		< CONNECTOR/MODULAR JACK >			
CN605	1-785-728-21	PIN (PC BOARD), CONNECTOR 7P			
CN701	1-487-957-11	CONNECTOR, HDMI			
CN1001	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
CN1002	1-816-296-21	PIN, CONNECTOR (PC BOARD) 9P			
CN1101	1-779-336-51	CONNECTOR, FFC/FPC 24P			
CN1102	1-778-383-51	CONNECTOR, FFC/FPC 6P			
CN1103	1-779-822-11	CONNECTOR, BOARD TO BOARD 26P			
CN1104	1-779-822-11	CONNECTOR, BOARD TO BOARD 26P			
CN1106	1-770-469-21	PIN, CONNECTOR (PC BOARD) 2P			
CN2502	1-842-136-11	MODULAR JACK (品 1/2/3/4)			
CN3602	1-766-376-21	PIN, CONNECTOR (1.5 mm) (SMD) 9P			
		< DIODE >			
D304	6-502-248-01	DIODE KDZTR3.9B			
D305	6-502-248-01	DIODE KDZTR3.9B			
D308	6-502-961-01	DIODE DA2J10100L			
D601	6-502-961-01	DIODE DA2J10100L			
D616	8-719-081-67	DIODE M1FM3			
D617	6-502-254-01	DIODE KDZTR6.8B			
D921	6-502-398-01	DIODE SA10QA04			
D1101	6-500-335-01	DIODE MC2838-T112-1			
		< LUG TERMINAL >			
* ET301	1-780-408-11	TERMINAL, LUG			
* ET302	1-780-408-11	TERMINAL, LUG			
		< FERRITE BEAD >			
FB1101	1-414-594-11	INDUCTOR, FERRITE BEAD			
FB1102	1-414-594-11	INDUCTOR, FERRITE BEAD			
FB3605	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB3606	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB3607	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB6601	1-400-794-21	EMI FERRITE (SMD) (1608)			
		< FILTER >			
FL301	1-234-939-21	FILTER, EMI REMOVAL (SMD)			
FL302	1-234-939-21	FILTER, EMI REMOVAL (SMD)			
FL303	1-234-939-21	FILTER, EMI REMOVAL (SMD)			
FL304	1-234-939-21	FILTER, EMI REMOVAL (SMD)			
FL2501	1-114-724-11	FILTER, EMI REMOVAL (SMD)			
FL2502	1-114-724-11	FILTER, EMI REMOVAL (SMD)			
FL2503	1-234-939-21	FILTER, EMI REMOVAL (SMD)			

Ref. No.	Part No.	Description		Remark
		< IC >		
IC101	(Not supplied)	IC	CXD9998G-CB	
@ IC106	6-716-964-01	IC	K4B2G1646C-HCH9	
@ IC107	6-716-964-01	IC	K4B2G1646C-HCH9	
@ IC206	6-716-964-01	IC	K4B2G1646C-HCH9	
@ IC207	6-716-964-01	IC	K4B2G1646C-HCH9	
IC302	6-716-781-01	IC	RT8252ALGSP	
IC304	(Not supplied)	IC	MM3404Z11NRE	
IC305	6-705-312-01	IC	S-T111B33MC-OGSTFG	
IC306	6-702-302-01	IC	TK11133CSCL-G	
IC307	6-714-911-01	IC	TPS54325PWPR	
IC308	6-714-911-01	IC	TPS54325PWPR	
IC309	6-705-312-01	IC	S-T111B33MC-OGSTFG	
IC312	6-702-302-01	IC	TK11133CSCL-G	
IC501	(Not supplied)	IC	H27U4G8F2DTR-BIR	
IC601	6-716-739-01	IC	BD00GC0WEFJ-SE2	
IC605	6-716-852-01	IC	TPS54425PWPR	
IC701	6-702-302-01	IC	TK11133CSCL-G	
IC702	6-714-926-01	IC	MM3404A12NRE	
IC901	6-714-846-01	IC	WM8524GEDT/R	
IC907	6-711-214-01	IC	TK73350WTL-G	
IC908	6-711-237-01	IC	NJM2878F3-33 (TE2)	
IC1003	6-716-592-01	IC	BH76071FJ-E2	
IC1099	6-705-313-01	IC	S-T111B50MC-OHJTFG	
IC1103	6-702-913-01	IC	S-80929CNMC-G8ZT2G	
IC1106	6-708-762-01	IC	PQ200WNA1ZPH	
IC1107	6-717-871-01	IC	BDJ0801HFV-TR	
IC1108	6-717-873-01	IC	BDJ0901HFV-TR	
IC2501	6-715-200-01	IC	IP175DLF	
IC2502	6-716-781-01	IC	RT8252ALGSP	
IC2503	(Not supplied)	IC	MM3404A33NRE	
IC2504	6-702-913-01	IC	S-80929CNMC-G8ZT2G	
IC6601	6-713-362-01	IC	MFI341S2164	
		< COIL >		
L301	1-457-735-11	CHOKE COIL	10uH	
L302	1-400-789-21	INDUCTOR	2.2uH	
L303	1-400-789-21	INDUCTOR	2.2uH	
L304	1-457-771-11	CHOKE COIL	2.2uH	
L305	1-457-771-11	CHOKE COIL	2.2uH	
L306	1-400-789-21	INDUCTOR	2.2uH	
L607	1-400-789-21	INDUCTOR	2.2uH	
L608	1-457-771-11	CHOKE COIL	2.2uH	
L2500	1-400-789-21	INDUCTOR	2.2uH	
L2501	1-460-493-11	CHOKE COIL	10uH	
		< CONTACT TERMINAL >		
PT401	1-780-729-12	CONTACT TERMINAL		
PT402	1-780-729-12	CONTACT TERMINAL		
PT403	1-780-729-12	CONTACT TERMINAL		
PT404	1-780-729-12	CONTACT TERMINAL		
PT405	1-780-729-12	CONTACT TERMINAL		
PT406	1-780-729-12	CONTACT TERMINAL		
PT407	1-780-729-12	CONTACT TERMINAL		
PT408	1-780-729-12	CONTACT TERMINAL		
PT409	1-780-729-12	CONTACT TERMINAL		
		< TRANSISTOR >		
Q603	8-729-038-37	TRANSISTOR	RT1N141M-TP-1	
Q1102	8-729-038-37	TRANSISTOR	RT1N141M-TP-1	
Q1103	8-729-038-37	TRANSISTOR	RT1N141M-TP-1	
Q1104	8-729-620-13	TRANSISTOR	2SC4154TP-1EF	
		< RESISTOR >		
R102	1-208-683-11	METAL CHIP	1K 0.5% 1/16W	
R103	1-208-683-11	METAL CHIP	1K 0.5% 1/16W	
R106	1-218-941-81	METAL CHIP	100 5% 1/16W	
R107	1-218-941-81	METAL CHIP	100 5% 1/16W	
R108	1-208-668-11	METAL CHIP	240 0.5% 1/16W	
R109	1-208-668-11	METAL CHIP	240 0.5% 1/16W	
R110	1-216-864-11	SHORT CHIP	0	
R206	1-218-941-81	METAL CHIP	100 5% 1/16W	
R207	1-218-941-81	METAL CHIP	100 5% 1/16W	
R208	1-208-668-11	METAL CHIP	240 0.5% 1/16W	
R209	1-208-668-11	METAL CHIP	240 0.5% 1/16W	
R301	1-216-295-91	SHORT CHIP	0	
R302	1-218-978-11	METAL CHIP	120K 5% 1/16W	
R303	1-218-864-11	METAL CHIP	5.1K 0.5% 1/10W	
R305	1-218-953-11	METAL CHIP	1K 5% 1/16W	
R306	1-218-965-11	METAL CHIP	10K 5% 1/16W	
R307	1-218-962-11	METAL CHIP	5.6K 5% 1/16W	
R308	1-216-295-91	SHORT CHIP	0	
R309	1-218-953-11	METAL CHIP	1K 5% 1/16W	
R310	1-218-969-11	METAL CHIP	22K 5% 1/16W	
R312	1-218-969-11	METAL CHIP	22K 5% 1/16W	
R313	1-216-295-91	SHORT CHIP	0	
R316	1-218-990-81	SHORT CHIP	0	
R317	1-216-295-91	SHORT CHIP	0	
R318	1-218-969-11	METAL CHIP	22K 5% 1/16W	
R319	1-216-295-91	SHORT CHIP	0	
R320	1-218-969-11	METAL CHIP	22K 5% 1/16W	
R321	1-208-923-11	METAL CHIP	33K 0.5% 1/16W	
R322	1-208-909-11	METAL CHIP	8.2K 0.5% 1/16W	
R323	1-218-990-81	SHORT CHIP	0	
R324	1-208-695-11	METAL CHIP	3.3K 0.5% 1/16W	
R325	1-218-990-81	SHORT CHIP	0	
R326	1-208-683-11	METAL CHIP	1K 0.5% 1/16W	
R327	1-218-953-11	METAL CHIP	1K 5% 1/16W	
R328	1-218-990-81	SHORT CHIP	0	
R329	1-220-802-11	METAL CHIP	3.3 5% 1/16W	
R333	1-208-695-11	METAL CHIP	3.3K 0.5% 1/16W	
R334	1-208-695-11	METAL CHIP	3.3K 0.5% 1/16W	
R335	1-208-859-81	METAL CHIP	68 0.5% 1/16W	
R336	1-218-961-11	METAL CHIP	4.7K 5% 1/16W	
R337	1-218-961-11	METAL CHIP	4.7K 5% 1/16W	
R340	1-218-953-11	METAL CHIP	1K 5% 1/16W	
R343	1-218-953-11	METAL CHIP	1K 5% 1/16W	
R344	1-220-802-11	METAL CHIP	3.3 5% 1/16W	
R345	1-216-295-91	SHORT CHIP	0	
R346	1-218-990-81	SHORT CHIP	0	
R369	1-218-953-11	METAL CHIP	1K 5% 1/16W	
R373	1-220-803-81	METAL CHIP	4.7 5% 1/16W	
R383	1-216-295-91	SHORT CHIP	0	
R384	1-218-953-11	METAL CHIP	1K 5% 1/16W	
R385	1-218-961-11	METAL CHIP	4.7K 5% 1/16W	
R399	1-218-990-81	SHORT CHIP	0	
R403	1-216-864-11	SHORT CHIP	0	
R404	1-218-952-11	METAL CHIP	820 5% 1/16W	
R405	1-218-977-11	METAL CHIP	100K 5% 1/16W	
R406	1-216-864-11	SHORT CHIP	0	

Note: IC101, IC304, IC501 and IC2503 on the NETWORK board cannot exchange with single. When these parts are damaged, exchange the complete mounted board.

@ Replacement of IC106, IC107, IC206 and IC207 on the NETWORK board used in this unit requires a special tool.

NETWORK

Ref. No.	Part No.	Description			Remark
R407	1-216-864-11	SHORT CHIP	0		
R409	1-216-864-11	SHORT CHIP	0		
R411	1-216-864-11	SHORT CHIP	0		
R414	1-216-295-91	SHORT CHIP	0		
R416	1-216-864-11	SHORT CHIP	0		
R417	1-216-864-11	SHORT CHIP	0		
R418	1-216-864-11	SHORT CHIP	0		
R419	1-216-864-11	SHORT CHIP	0		
R507	1-218-990-81	SHORT CHIP	0		
R508	1-218-990-81	SHORT CHIP	0		
R509	1-218-990-81	SHORT CHIP	0		
R510	1-218-990-81	SHORT CHIP	0		
R511	1-218-990-81	SHORT CHIP	0		
R516	1-218-990-81	SHORT CHIP	0		
R518	1-218-990-81	SHORT CHIP	0		
R523	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R601	1-216-864-11	SHORT CHIP	0		
R602	1-218-965-11	METAL CHIP	10K	5%	1/16W
R603	1-216-864-11	SHORT CHIP	0		
R605	1-218-970-11	METAL CHIP	27K	5%	1/16W
R606	1-218-970-11	METAL CHIP	27K	5%	1/16W
R607	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R609	1-218-864-11	METAL CHIP	5.1K	0.5%	1/10W
R610	1-218-864-11	METAL CHIP	5.1K	0.5%	1/10W
R617	1-216-295-91	SHORT CHIP	0		
R621	1-218-990-81	SHORT CHIP	0		
R622	1-218-990-81	SHORT CHIP	0		
R631	1-218-990-81	SHORT CHIP	0		
R632	1-218-990-81	SHORT CHIP	0		
R633	1-218-990-81	SHORT CHIP	0		
R634	1-218-990-81	SHORT CHIP	0		
R641	1-218-990-81	SHORT CHIP	0		
R660	1-216-295-91	SHORT CHIP	0		
R669	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R670	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R671	1-218-990-81	SHORT CHIP	0		
R674	1-218-953-11	METAL CHIP	1K	5%	1/16W
R675	1-218-990-81	SHORT CHIP	0		
R676	1-220-802-11	METAL CHIP	3.3	5%	1/16W
R678	1-218-965-11	METAL CHIP	10K	5%	1/16W
R679	1-218-990-81	SHORT CHIP	0		
R701	1-216-864-11	SHORT CHIP	0		
R705	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R706	1-216-864-11	SHORT CHIP	0		
R707	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R713	1-218-929-11	METAL CHIP	10	5%	1/16W
R714	1-218-929-11	METAL CHIP	10	5%	1/16W
R724	1-218-953-11	METAL CHIP	1K	5%	1/16W
R727	1-216-295-91	SHORT CHIP	0		
R730	1-218-953-11	METAL CHIP	1K	5%	1/16W
R731	1-216-864-11	SHORT CHIP	0		
R735	1-216-295-91	SHORT CHIP	0		
R736	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R737	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R801	1-218-990-81	SHORT CHIP	0		
R802	1-218-990-81	SHORT CHIP	0		
R803	1-218-990-81	SHORT CHIP	0		
R804	1-218-990-81	SHORT CHIP	0		
R805	1-218-990-81	SHORT CHIP	0		
R806	1-218-990-81	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R807	1-218-990-81	SHORT CHIP	0		
R809	1-218-965-11	METAL CHIP	10K	5%	1/16W
R819	1-218-965-11	METAL CHIP	10K	5%	1/16W
R821	1-218-933-11	METAL CHIP	22	5%	1/16W
R822	1-218-933-11	METAL CHIP	22	5%	1/16W
R823	1-218-933-11	METAL CHIP	22	5%	1/16W
R824	1-218-933-11	METAL CHIP	22	5%	1/16W
R826	1-218-933-11	METAL CHIP	22	5%	1/16W
R827	1-208-920-81	METAL CHIP	24K	0.5%	1/16W
R828	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R830	1-218-933-11	METAL CHIP	22	5%	1/16W
R831	1-218-933-11	METAL CHIP	22	5%	1/16W
R832	1-218-933-11	METAL CHIP	22	5%	1/16W
R833	1-218-933-11	METAL CHIP	22	5%	1/16W
R834	1-218-933-11	METAL CHIP	22	5%	1/16W
R835	1-218-933-11	METAL CHIP	22	5%	1/16W
R836	1-218-933-11	METAL CHIP	22	5%	1/16W
R837	1-216-864-11	SHORT CHIP	0		
R838	1-218-933-11	METAL CHIP	22	5%	1/16W
R849	1-216-864-11	SHORT CHIP	0		
R867	1-218-990-81	SHORT CHIP	0		
R868	1-218-990-81	SHORT CHIP	0		
R869	1-218-990-81	SHORT CHIP	0		
R870	1-218-990-81	SHORT CHIP	0		
R871	1-218-990-81	SHORT CHIP	0		
R872	1-218-990-81	SHORT CHIP	0		
R873	1-218-990-81	SHORT CHIP	0		
R874	1-218-990-81	SHORT CHIP	0		
R877	1-218-990-81	SHORT CHIP	0		
R878	1-218-990-81	SHORT CHIP	0		
R879	1-218-990-81	SHORT CHIP	0		
R880	1-218-990-81	SHORT CHIP	0		
R881	1-218-990-81	SHORT CHIP	0		
R882	1-218-990-81	SHORT CHIP	0		
R883	1-218-990-81	SHORT CHIP	0		
R884	1-218-990-81	SHORT CHIP	0		
R889	1-218-933-11	METAL CHIP	22	5%	1/16W
R890	1-218-933-11	METAL CHIP	22	5%	1/16W
R891	1-218-990-81	SHORT CHIP	0		
R892	1-218-990-81	SHORT CHIP	0		
R893	1-218-990-81	SHORT CHIP	0		
R894	1-218-990-81	SHORT CHIP	0		
R895	1-218-990-81	SHORT CHIP	0		
R896	1-218-990-81	SHORT CHIP	0		
R897	1-218-990-81	SHORT CHIP	0		
R913	1-218-990-81	SHORT CHIP	0		
R914	1-218-990-81	SHORT CHIP	0		
R915	1-218-990-81	SHORT CHIP	0		
R916	1-218-990-81	SHORT CHIP	0		
R917	1-216-864-11	SHORT CHIP	0		
R919	1-216-864-11	SHORT CHIP	0		
R928	1-216-864-11	SHORT CHIP	0		
R930	1-242-967-11	METAL CHIP	1	5%	1/16W
R931	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R932	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R933	1-218-973-11	METAL CHIP	47K	5%	1/16W
R934	1-218-973-11	METAL CHIP	47K	5%	1/16W
R949	1-216-864-11	SHORT CHIP	0		
R950	1-216-864-11	SHORT CHIP	0		
R951	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R955	1-216-295-91	SHORT CHIP	0		
R956	1-216-295-91	SHORT CHIP	0		
R959	1-218-990-81	SHORT CHIP	0		
R960	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1001	1-216-864-11	SHORT CHIP	0		
R1003	1-216-864-11	SHORT CHIP	0		
R1004	1-216-864-11	SHORT CHIP	0		
R1005	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R1007	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1008	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1009	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1010	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1012	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1016	1-216-864-11	SHORT CHIP	0		
R1017	1-216-864-11	SHORT CHIP	0		
R1018	1-216-864-11	SHORT CHIP	0		
R1019	1-216-864-11	SHORT CHIP	0		
R1020	1-216-864-11	SHORT CHIP	0		
R1021	1-218-990-81	SHORT CHIP	0		
R1022	1-218-990-81	SHORT CHIP	0		
R1023	1-218-990-81	SHORT CHIP	0		
R1031	1-218-990-81	SHORT CHIP	0		
R1053	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1054	1-218-990-81	SHORT CHIP	0		
R1055	1-218-990-81	SHORT CHIP	0		
R1056	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1057	1-216-864-11	SHORT CHIP	0		
R1060	1-216-864-11	SHORT CHIP	0		
R1087	1-218-990-81	SHORT CHIP	0		
R1088	1-218-990-81	SHORT CHIP	0		
R1089	1-218-990-81	SHORT CHIP	0		
R1092	1-216-864-11	SHORT CHIP	0		
R1094	1-216-864-11	SHORT CHIP	0		
R1095	1-216-864-11	SHORT CHIP	0		
R1098	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1101	1-216-805-11	METAL CHIP	47	5%	1/10W
R1102	1-216-805-11	METAL CHIP	47	5%	1/10W
R1103	1-216-864-11	SHORT CHIP	0		
R1104	1-216-864-11	SHORT CHIP	0		
R1105	1-216-864-11	SHORT CHIP	0		
R1106	1-218-990-81	SHORT CHIP	0		
R1108	1-218-990-81	SHORT CHIP	0		
R1110	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W
R1117	1-216-801-11	METAL CHIP	22	5%	1/10W
R1119	1-216-809-11	METAL CHIP	100	5%	1/10W
R1120	1-216-801-11	METAL CHIP	22	5%	1/10W
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W
R1125	1-216-809-11	METAL CHIP	100	5%	1/10W
R1126	1-216-809-11	METAL CHIP	100	5%	1/10W
R1127	1-216-809-11	METAL CHIP	100	5%	1/10W
R1128	1-218-990-81	SHORT CHIP	0		
R1129	1-218-990-81	SHORT CHIP	0		
R1130	1-218-990-81	SHORT CHIP	0		
R1131	1-216-805-11	METAL CHIP	47	5%	1/10W
R1132	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1133	1-218-990-81	SHORT CHIP	0		
R1135	1-216-864-11	SHORT CHIP	0		
R1136	1-216-864-11	SHORT CHIP	0		
R1138	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W
R1141	1-216-809-11	METAL CHIP	100	5%	1/10W
R1142	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1143	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1144	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1146	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1147	1-216-805-11	METAL CHIP	47	5%	1/10W
R1148	1-216-809-11	METAL CHIP	100	5%	1/10W
R1150	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1155	1-218-990-81	SHORT CHIP	0		
R1156	1-216-809-11	METAL CHIP	100	5%	1/10W
R1158	1-218-990-81	SHORT CHIP	0		
R1159	1-218-990-81	SHORT CHIP	0		
R1160	1-218-990-81	SHORT CHIP	0		
R1161	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1162	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1163	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1164	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1165	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1168	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1169	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1171	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1172	1-218-990-81	SHORT CHIP	0		
R1173	1-218-990-81	SHORT CHIP	0		
R1175	1-218-990-81	SHORT CHIP	0		
R1176	1-218-990-81	SHORT CHIP	0		
R1180	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1181	1-216-864-11	SHORT CHIP	0		
R1183	1-216-809-11	METAL CHIP	100	5%	1/10W
R1188	1-218-990-81	SHORT CHIP	0		
R1189	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1194	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1195	1-218-990-81	SHORT CHIP	0		
R1197	1-218-990-81	SHORT CHIP	0		
R1198	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R1199	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R1201	1-216-809-11	METAL CHIP	100	5%	1/10W
R1206	1-216-809-11	METAL CHIP	100	5%	1/10W
R1207	1-216-801-11	METAL CHIP	22	5%	1/10W
R1208	1-216-801-11	METAL CHIP	22	5%	1/10W
R1210	1-216-864-11	SHORT CHIP	0		
R1212	1-216-864-11	SHORT CHIP	0		
R1213	1-216-864-11	SHORT CHIP	0		
R1214	1-216-864-11	SHORT CHIP	0		
R1215	1-216-864-11	SHORT CHIP	0		
R1216	1-208-696-11	METAL CHIP	3.6K	0.5%	1/16W
R1217	1-208-688-11	METAL CHIP	1.6K	0.5%	1/16W
R1218	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1220	1-208-873-81	METAL CHIP	270	0.5%	1/16W
R1221	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1224	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1225	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1226	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1227	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1229	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1230	1-208-871-81	METAL CHIP	220	0.5%	1/16W
R1391	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1392	1-218-954-11	METAL CHIP	1.2K	5%	1/16W

NETWORK **POWER_TRANSISTOR**

Ref. No.	Part No.	Description			Remark
R1398	1-208-920-81	METAL CHIP	24K	0.5%	1/16W
R1608	1-216-801-11	METAL CHIP	22	5%	1/10W
R2500	1-218-990-81	SHORT CHIP	0		
R2511	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R2512	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R2513	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R2514	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R2516	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R2518	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2519	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2520	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2521	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2522	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2523	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2524	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2525	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2526	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R2527	1-218-977-11	METAL CHIP	100K	5%	1/16W
R2528	1-218-949-11	METAL CHIP	470	5%	1/16W
R2529	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R2531	1-218-945-11	METAL CHIP	220	5%	1/16W
R2532	1-218-945-11	METAL CHIP	220	5%	1/16W
R2533	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R2535	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2536	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2537	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2538	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2539	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2540	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2541	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2542	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2548	1-218-945-11	METAL CHIP	220	5%	1/16W
R2549	1-218-945-11	METAL CHIP	220	5%	1/16W
R2550	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2551	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2552	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2553	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2554	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2555	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2556	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2557	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2558	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R2559	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R2561	1-218-990-81	SHORT CHIP	0		
R2564	1-218-945-11	METAL CHIP	220	5%	1/16W
R2566	1-218-945-11	METAL CHIP	220	5%	1/16W
R2567	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2568	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2569	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2570	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2571	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2572	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2573	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2574	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R2579	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R2580	1-218-945-11	METAL CHIP	220	5%	1/16W
R2581	1-218-945-11	METAL CHIP	220	5%	1/16W
R2584	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R2585	1-220-803-81	METAL CHIP	4.7	5%	1/16W
R2590	1-218-967-11	METAL CHIP	15K	5%	1/16W

Ref. No.	Part No.	Description			Remark
R2591	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2592	1-218-990-81	SHORT CHIP	0		
R2593	1-208-711-11	METAL CHIP	15K	0.5%	1/16W
R2594	1-208-709-11	METAL CHIP	12K	0.5%	1/16W
R2595	1-218-990-81	SHORT CHIP	0		
R2596	1-218-969-11	METAL CHIP	22K	5%	1/16W
R2597	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R2598	1-218-953-11	METAL CHIP	1K	5%	1/16W
R2600	1-218-990-81	SHORT CHIP	0		
R2615	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3605	1-218-941-81	METAL CHIP	100	5%	1/16W
R3608	1-218-941-81	METAL CHIP	100	5%	1/16W
R3609	1-218-941-81	METAL CHIP	100	5%	1/16W
R3610	1-218-941-81	METAL CHIP	100	5%	1/16W
R3611	1-218-941-81	METAL CHIP	100	5%	1/16W
R3612	1-218-941-81	METAL CHIP	100	5%	1/16W
R3613	1-218-941-81	METAL CHIP	100	5%	1/16W
R3615	1-218-941-81	METAL CHIP	100	5%	1/16W
R3617	1-218-941-81	METAL CHIP	100	5%	1/16W
R3618	1-218-941-81	METAL CHIP	100	5%	1/16W
R3622	1-218-941-81	METAL CHIP	100	5%	1/16W
R3623	1-216-805-11	METAL CHIP	47	5%	1/10W
R6601	1-218-990-81	SHORT CHIP	0		
R6602	1-218-990-81	SHORT CHIP	0		
R6603	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6604	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6605	1-218-990-81	SHORT CHIP	0		
R6606	1-218-990-81	SHORT CHIP	0		
R6608	1-218-990-81	SHORT CHIP	0		
R6614	1-216-801-11	METAL CHIP	22	5%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB501	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB502	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB701	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB702	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB801	1-236-908-11	RES, CHIP NETWORK 10K (3216)			
RB1101	1-234-378-21	RES, NETWORK 10K (1005X4)			
RB1102	1-234-378-21	RES, NETWORK 10K (1005X4)			
		< VIBRATOR >			
X401	1-814-278-11	VIBRATOR, CRYSTAL (27 MHz)			
X2501	1-814-242-11	VIBRATOR, CRYSTAL (25 MHz)			
**********					
		POWER_TRANSISTOR BOARD			
		**********			
		< CAPACITOR >			
C1512	1-109-879-11	CERAMIC	22PF	5%	2KV
C1513	1-109-879-11	CERAMIC	22PF	5%	2KV
C1562	1-109-879-11	CERAMIC	22PF	5%	2KV
C1563	1-109-879-11	CERAMIC	22PF	5%	2KV
C1612	1-109-879-11	CERAMIC	22PF	5%	2KV
C1613	1-109-879-11	CERAMIC	22PF	5%	2KV
C1712	1-109-879-11	CERAMIC	22PF	5%	2KV
C1713	1-109-879-11	CERAMIC	22PF	5%	2KV
C1762	1-109-879-11	CERAMIC	22PF	5%	2KV
C1763	1-109-879-11	CERAMIC	22PF	5%	2KV
C1812	1-109-879-11	CERAMIC	22PF	5%	2KV

POWER_TRANSISTOR **PROTECTOR_FC**

Ref. No.	Part No.	Description			Remark
C1813	1-109-879-11	CERAMIC	22PF	5%	2KV
C1862	1-109-879-11	CERAMIC	22PF	5%	2KV
C1863	1-109-879-11	CERAMIC	22PF	5%	2KV
C1903	1-114-616-21	ELECT	330uF	20%	100V (AEP, UK)
C1903	1-107-935-11	ELECT	330uF	20%	100V (US, CND)
C1904	1-114-616-21	ELECT	330uF	20%	100V (AEP, UK)
C1904	1-107-935-11	ELECT	330uF	20%	100V (US, CND)
		< CONNECTOR >			
CN1510	1-842-644-11	CONNECTOR, BOARD TO BOARD 14P			
CN1572	1-842-637-11	CONNECTOR, BOARD TO BOARD 7P			
CN1703	1-842-644-11	CONNECTOR, BOARD TO BOARD 14P			
CN1872	1-842-644-11	CONNECTOR, BOARD TO BOARD 14P			
CN1903	1-842-642-11	CONNECTOR, BOARD TO BOARD 12P			
CN1904	1-842-642-11	CONNECTOR, BOARD TO BOARD 12P			
		< DIODE >			
D1931	8-719-063-74	DIODE D1NL20U-TR2 (US, CND)			
D1932	8-719-063-74	DIODE D1NL20U-TR2 (US, CND)			
D1933	8-719-055-33	DIODE D1FL40 (AEP, UK)			
D1934	8-719-055-33	DIODE D1FL40 (AEP, UK)			
		< 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	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1516	1-234-182-11	ENCAPSULATED COMPONENT			F (US, CND)
⚠ R1516	1-234-572-21	ENCAPSULATED COMPONENT			F (AEP, UK)
⚠ R1517	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1518	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R1565	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1566	1-234-182-11	ENCAPSULATED COMPONENT			F (US, CND)
⚠ R1566	1-234-572-21	ENCAPSULATED COMPONENT			F (AEP, UK)
⚠ R1567	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1568	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R1615	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1616	1-234-182-11	ENCAPSULATED COMPONENT			F (US, CND)
⚠ R1616	1-234-572-21	ENCAPSULATED COMPONENT			F (AEP, UK)
⚠ R1617	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1618	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R1715	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1716	1-234-182-11	ENCAPSULATED COMPONENT			F (US, CND)
⚠ R1716	1-234-572-21	ENCAPSULATED COMPONENT			F (AEP, UK)
⚠ R1717	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1718	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R1765	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1766	1-234-182-11	ENCAPSULATED COMPONENT			F (US, CND)
⚠ R1766	1-234-572-21	ENCAPSULATED COMPONENT			F (AEP, UK)
⚠ R1767	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1768	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R1815	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1816	1-234-182-11	ENCAPSULATED COMPONENT			F (US, CND)
⚠ R1816	1-234-572-21	ENCAPSULATED COMPONENT)			F (AEP, UK)
⚠ R1817	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1818	1-249-393-91	CARBON	10	5%	1/4W F
⚠ R1865	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1866	1-234-182-11	ENCAPSULATED COMPONENT			F (US, CND)
⚠ R1866	1-234-572-21	ENCAPSULATED COMPONENT			F (AEP, UK)
⚠ R1867	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R1868	1-249-393-91	CARBON	10	5%	1/4W F
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	A-1822-780-A	PROTECTOR_FC BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1522	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1523	1-136-153-00	FILM	0.01uF	5%	50V
C1524	1-112-100-11	ELECT	10uF	20%	50V
C1572	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1573	1-136-153-00	FILM	0.01uF	5%	50V
C1574	1-112-100-11	ELECT	10uF	20%	50V
C1622	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1623	1-136-153-00	FILM	0.01uF	5%	50V
C1624	1-112-100-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
* CN1501	1-793-709-11	CONNECTOR, BOARD TO BOARD 10P			
CN1503	1-842-638-11	CONNECTOR, BOARD TO BOARD 8P			
CN1521	1-842-652-11	CONNECTOR, BOARD TO BOARD 14P			
CN1561	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN1571	1-842-647-11	CONNECTOR, BOARD TO BOARD 7P			
CN1611	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
		< DIODE >			
D1521	6-502-961-01	DIODE DA2J10100L			
D1522	6-502-961-01	DIODE DA2J10100L			
D1571	6-502-961-01	DIODE DA2J10100L			
D1572	6-502-961-01	DIODE DA2J10100L			
D1621	6-502-961-01	DIODE DA2J10100L			
D1622	6-502-961-01	DIODE DA2J10100L			
		< TRANSISTOR >			
Q1522	8-729-216-31	TRANSISTOR	2SA1163-G		
Q1523	8-729-216-31	TRANSISTOR	2SA1163-G		
Q1524	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q1572	8-729-216-31	TRANSISTOR	2SA1163-G		
Q1573	8-729-216-31	TRANSISTOR	2SA1163-G		

PROTECTOR_FC **PROTECTOR_SB** **PROTECTOR_SUR**

Ref. No.	Part No.	Description				Remark
Q1574	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q1622	8-729-216-31	TRANSISTOR	2SA1163-G			
Q1623	8-729-216-31	TRANSISTOR	2SA1163-G			
Q1624	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
		< RESISTOR >				
R1525	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
⚠ R1526	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1527	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1528	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1529	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1530	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1531	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1532	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1533	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1534	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1535	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R1536	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R1575	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
⚠ R1576	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1577	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1578	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1579	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1580	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1581	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1582	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1583	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1584	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1585	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R1586	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R1625	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
⚠ R1626	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1627	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1628	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1629	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1630	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1631	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1632	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1633	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1634	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1635	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R1636	1-216-853-11	METAL CHIP	470K	5%	1/10W	
**********						
	A-1822-781-A	PROTECTOR_SB BOARD, COMPLETE				
		**********				
		< CAPACITOR >				
C1822	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C1823	1-136-153-00	FILM	0.01uF	5%	50V	
C1824	1-112-100-11	ELECT	10uF	20%	50V	
C1872	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C1873	1-136-153-00	FILM	0.01uF	5%	50V	
C1874	1-112-100-11	ELECT	10uF	20%	50V	
		< CONNECTOR >				
CN1801	1-842-644-11	CONNECTOR, BOARD TO BOARD 14P				
CN1861	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P				
CN1871	1-842-652-11	CONNECTOR, BOARD TO BOARD 14P				

Ref. No.	Part No.	Description				Remark
		< DIODE >				
D1821	6-502-961-01	DIODE DA2J10100L				
D1822	6-502-961-01	DIODE DA2J10100L				
D1871	6-502-961-01	DIODE DA2J10100L				
D1872	6-502-961-01	DIODE DA2J10100L				
		< TRANSISTOR >				
Q1822	8-729-216-31	TRANSISTOR	2SA1163-G			
Q1823	8-729-216-31	TRANSISTOR	2SA1163-G			
Q1824	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q1872	8-729-216-31	TRANSISTOR	2SA1163-G			
Q1873	8-729-216-31	TRANSISTOR	2SA1163-G			
Q1874	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
		< RESISTOR >				
R1825	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
⚠ R1826	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1827	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1828	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1829	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1830	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1831	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1832	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1833	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1834	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1835	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R1836	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R1875	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
⚠ R1876	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1877	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1878	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1879	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1880	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1881	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1882	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1883	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1884	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1885	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R1886	1-216-853-11	METAL CHIP	470K	5%	1/10W	
**********						
	A-1822-782-A	PROTECTOR_SUR BOARD, COMPLETE				
		**********				
		< CAPACITOR >				
C1722	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C1723	1-136-153-00	FILM	0.01uF	5%	50V	
C1724	1-112-100-11	ELECT	10uF	20%	50V	
C1772	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C1773	1-136-153-00	FILM	0.01uF	5%	50V	
C1774	1-112-100-11	ELECT	10uF	20%	50V	
		< CONNECTOR >				
CN1701	1-842-652-11	CONNECTOR, BOARD TO BOARD 14P				
CN1704	1-842-644-11	CONNECTOR, BOARD TO BOARD 14P				
CN1761	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P				
		< DIODE >				
D1721	6-502-961-01	DIODE DA2J10100L				
D1722	6-502-961-01	DIODE DA2J10100L				

Ref. No.	Part No.	Description				Remark
D1771	6-502-961-01	DIODE DA2J10100L				
D1772	6-502-961-01	DIODE DA2J10100L				
		< TRANSISTOR >				
Q1722	8-729-216-31	TRANSISTOR	2SA1163-G			
Q1723	8-729-216-31	TRANSISTOR	2SA1163-G			
Q1724	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q1772	8-729-216-31	TRANSISTOR	2SA1163-G			
Q1773	8-729-216-31	TRANSISTOR	2SA1163-G			
Q1774	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
		< RESISTOR >				
R1725	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
⚠ R1726	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1727	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1728	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1729	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1730	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1731	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1732	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1733	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1734	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1735	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R1736	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R1775	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
⚠ R1776	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1777	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1778	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1779	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1780	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R1781	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1782	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R1783	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1784	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1785	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R1786	1-216-853-11	METAL CHIP	470K	5%	1/10W	
**********						
		SPTM BOARD				
		**********				
		< CAPACITOR >				
C4101	1-114-773-91	MYLAR	0.022uF	5%	100V	
C4102	1-114-773-91	MYLAR	0.022uF	5%	100V	
C4103	1-114-773-91	MYLAR	0.022uF	5%	100V	
C4104	1-114-773-91	MYLAR	0.022uF	5%	100V	
C4105	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C4106	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C4107	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C4108	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C4109	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V	
C4110	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V	
C4121	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V	
		< CONNECTOR >				
CX4101	1-785-105-11	PIN, CONNECTOR (3.96 mm PITCH) 7P				
CX4102	1-785-104-11	PIN, CONNECTOR (3.96 mm PITCH) 6P				
CX4103	1-784-922-11	PIN, CONNECTOR 5P				
CX4104	1-785-101-11	PIN, CONNECTOR (3.96 mm PITCH) 3P				

Ref. No.	Part No.	Description				Remark
		< DIODE >				
D4101	6-502-961-01	DIODE DA2J10100L				
D4102	6-502-961-01	DIODE DA2J10100L				
D4103	6-502-961-01	DIODE DA2J10100L				
		< TRANSISTOR >				
Q4101	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q4102	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q4121	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
		< RESISTOR >				
R4101	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R4102	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
⚠ R4103	1-249-393-91	CARBON	10	5%	1/4W	F
R4104	1-216-833-11	METAL CHIP	10K	5%	1/10W	
⚠ R4105	1-249-393-91	CARBON	10	5%	1/4W	F
R4106	1-216-833-11	METAL CHIP	10K	5%	1/10W	
⚠ R4107	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R4108	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R4109	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R4110	1-249-393-91	CARBON	10	5%	1/4W	F
R4121	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
⚠ R4123	1-249-393-91	CARBON	10	5%	1/4W	F
R4124	1-216-833-11	METAL CHIP	10K	5%	1/10W	
		< RELAY >				
RY4101	1-515-920-11	RELAY (24V)				
RY4102	1-515-920-11	RELAY (24V)				
RY4103	1-515-920-11	RELAY (24V)				
		< TERMINAL >				
⚠ TM4101	1-780-404-11	TERMINAL BOARD (SP) (8P) (SPEAKERS IMPEDANCE USE 4-16 Ω SURROUND/SURROUND BACK (ZONE 2))				
**********						
		STBY BOARD				
		**********				
	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3				
		< CAPACITOR >				
C50	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
C52	1-126-963-11	ELECT	4.7uF	20%	50V	
C57	1-126-963-11	ELECT	4.7uF	20%	50V	
C58	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
⚠ C958	1-165-530-11	MYLAR	0.47uF	10%	250V	
⚠ C963	1-112-867-51	CERAMIC	220PF	10%	250V	
⚠ C964	1-112-867-51	CERAMIC	220PF	10%	250V	
C966	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
⚠ C967	1-112-869-51	CERAMIC	470PF	10%	250V	
⚠ C968	1-112-869-51	CERAMIC	470PF	10%	250V	
		< AC OUTLET >				
⚠ CN001	1-540-059-11	OUTLET, AC (POLAR) (AC OUTLET) (US, CND)				
		< CONNECTOR >				
⚠ CNP02	1-564-687-11	PIN, CONNECTOR (3.96 mm PITCH) 3P				
⚠ CNP51	1-793-660-11	PIN, CONNECTOR (PC BOARD) 3P				
CNP54	1-784-922-11	PIN, CONNECTOR 5P				

STBY **TEMP_SENSOR** **VIDEO2**

Ref. No.	Part No.	Description				Remark
		< DIODE >				
D001	6-502-961-01	DIODE DA2J10100L				
D51	8-719-053-18	DIODE 1SR154-400TE-25				
D58	6-502-961-01	DIODE DA2J10100L				
D61	6-502-968-01	DIODE DZ2J062M0L				
		< EARTH TERMINAL >				
* EE51	1-537-738-21	TERMINAL, EARTH				
		< FUSE HOLDER >				
⚠ FH03	1-533-313-11	FUSE HOLDER (US, CND)				
⚠ FH04	1-533-313-11	FUSE HOLDER (US, CND)				
⚠ FH05	1-533-313-11	FUSE HOLDER				
⚠ FH06	1-533-313-11	FUSE HOLDER				
⚠ FH901	1-533-313-11	FUSE HOLDER				
⚠ FH902	1-533-313-11	FUSE HOLDER				
		< IC >				
IC51	8-759-450-47	IC BA05T				
		< LINE FILTER >				
⚠ LF901	1-457-254-11	COIL, LINE FILTER (SS21V-050360)				
⚠ LF903	1-457-254-11	COIL, LINE FILTER (SS21V-050360)				
		< TRANSISTOR >				
Q52	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q53	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
Q54	8-729-140-97	TRANSISTOR	2SB734-34			
Q55	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
		< RESISTOR >				
R54	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R55	1-216-833-11	METAL CHIP	10K	5%	1/10W	
⚠ R58	1-249-423-91	CARBON	3.3K	5%	1/4W	F
R59	1-216-833-11	METAL CHIP	10K	5%	1/10W	
⚠ R60	1-249-389-91	CARBON	4.7	5%	1/4W	F
⚠ R904	1-249-389-91	CARBON	4.7	5%	1/4W	F
		< RELAY >				
⚠ RY01	1-755-266-11	RELAY, AC POWER				
⚠ RY901	1-755-486-12	RELAY				
		< VARISTOR >				
⚠ VDR901	1-811-165-31	VARISTOR (TVR10471-D)				
**********						
		TEMP_SENSOR BOARD				
		**********				
		< CAPACITOR >				
C1909	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
C1910	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
C1913	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
		< DIODE >				
D1906	6-502-968-01	DIODE DZ2J062M0L				

Ref. No.	Part No.	Description				Remark
		< IC >				
⚠ IC1903	6-710-072-01	IC LM61CIZ/LFT2				
⚠ IC1905	6-710-072-01	IC LM61CIZ/LFT2				
		< RESISTOR >				
R1928	1-216-809-11	METAL CHIP	100	5%	1/10W	
**********						
		VIDEO2 BOARD				
		**********				
		< CAPACITOR >				
C261	1-126-964-11	ELECT	10uF	20%	50V	
C262	1-126-964-11	ELECT	10uF	20%	50V	
C263	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	
C264	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	
C265	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
C266	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C267	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C271	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C272	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
C273	1-164-230-11	CERAMIC CHIP	220PF	5%	50V	
C274	1-114-339-91	CERAMIC CHIP	3300PF	5%	50V	
C278	1-164-733-11	CERAMIC CHIP	820PF	10%	50V	
C279	1-164-733-11	CERAMIC CHIP	820PF	10%	50V	
C280	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	
C281	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	
C282	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	
C671	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C672	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
		< CONNECTOR >				
CN262	1-779-799-11	PIN, CONNECTOR 9P				
CN263	1-784-923-11	PIN, CONNECTOR 7P				
CN264	1-784-924-11	PIN, CONNECTOR 8P				
CN265	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P				
CN266	1-779-978-11	PIN, CONNECTOR 3P				
CN267	1-822-423-11	CONNECTOR, USB (A) (iPhone/iPod)				
CN1802	1-842-821-11	CONNECTOR, BOARD TO BOARD 5P				
		< DIODE >				
D241	6-502-961-01	DIODE DA2J10100L				
D242	6-502-961-01	DIODE DA2J10100L				
D261	6-502-961-01	DIODE DA2J10100L				
D262	6-502-961-01	DIODE DA2J10100L				
D263	6-502-961-01	DIODE DA2J10100L				
D264	6-502-961-01	DIODE DA2J10100L				
		< FERRITE BEAD >				
FB260	1-469-110-21	FERRITE, EMI (SMD) (1608)				
FB261	1-469-110-21	FERRITE, EMI (SMD) (1608)				
		< IC >				
IC261	8-759-710-97	IC NJM4565M-D				
		< JACK >				
J261	1-815-313-11	JACK (Including Mount plate) (PHONES)				
J262	1-770-571-11	JACK BLOCK, PIN (L TYPE) 3P (iPhone/iPod VIEDO 2 IN VIDEO, VIDEO 2 IN AUDIO)				

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R200	1-216-864-11	SHORT CHIP	0		
R202	1-216-821-11	METAL CHIP	1K	5%	1/10W
R203	1-216-821-11	METAL CHIP	1K	5%	1/10W
R204	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R205	1-216-841-11	METAL CHIP	47K	5%	1/10W
R206	1-216-841-11	METAL CHIP	47K	5%	1/10W
R209	1-216-864-11	SHORT CHIP	0		
R210	1-216-864-11	SHORT CHIP	0		
R214	1-216-864-11	SHORT CHIP	0		
R215	1-216-864-11	SHORT CHIP	0		
R216	1-216-864-11	SHORT CHIP	0		
R217	1-216-864-11	SHORT CHIP	0		
R267	1-216-864-11	SHORT CHIP	0		
**********					
		MISCELLANEOUS			
		**********			
⚠ AC1	1-821-082-21	INLET, AC 2P (~ AC IN)			
CNH1	1-839-149-11	CORD, CONNECTION (HDMI CABLE)			
CNH2	1-839-150-11	CORD, CONNECTION (HDMI CABLE)			
D1402	8-719-060-88	DIODE D4SBS6			
⚠ F03	1-533-420-12	FUSE, GLASS (DIA.5) (5 A/125 V) (US, CND)			
⚠ F004	1-532-504-33	FUSE (T 4 AL/250 V) (AEP, UK)			
⚠ F004	1-533-311-12	FUSE, GLASS (DIA.5) (8 A/125 V) (US, CND)			
⚠ F901	1-532-503-33	FUSE (T 1.6 AL/250 V) (AEP, UK)			
⚠ F901	1-533-689-12	FUSE, GLASS (DIA.5) (1 A/125 V) (US, CND)			
⚠ F1401	1-532-465-33	FUSE (T 3.15 AL/250 V)			
⚠ F1402	1-532-506-33	FUSE (T 6.3 AL/250 V)			
⚠ F1403	1-532-504-33	FUSE (T 4 AL/250 V)			
⚠ F1404	1-532-504-33	FUSE (T 4 AL/250 V)			
FC1	1-500-082-11	CLAMP, SLEEVE FERRITE			
FC2	1-500-386-11	FILTER, CLAMP (FERRITE CORE)			
FC3	1-500-082-11	CLAMP, SLEEVE FERRITE (AEP, UK)			
FC4	1-500-082-11	CLAMP, SLEEVE FERRITE (AEP, UK)			
FC5	1-500-386-11	FILTER, CLAMP (FERRITE CORE)			
FC6	1-500-386-11	FILTER, CLAMP (FERRITE CORE)			
FC7	1-543-793-11	FILTER, CLAMP (FERRITE CORE) (AEP, UK)			
FC8	1-500-082-11	CLAMP, SLEEVE FERRITE (AEP, UK)			
FC9	1-500-386-11	FILTER, CLAMP (FERRITE CORE) (AEP, UK)			
FFC1	1-828-355-61	WIRE (FLAT TYPE) (19 CORE)			
FFC2	1-828-370-61	WIRE (FLAT TYPE) (21 CORE)			
FFC3	1-827-731-61	WIRE (FLAT TYPE) (11 CORE) (AEP, UK)			
FFC3	1-828-957-61	WIRE (FLAT TYPE) (9 CORE) (US, CND)			
⚠ M1	1-855-048-11	DC FAN 40 mm			
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		
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		
⚠ T001	1-697-081-11	TRANSFORMER, POWER (AEP, UK)			
⚠ T001	1-697-083-11	TRANSFORMER, POWER (US, CND)			
TU1	1-693-737-21	TUNER (FM/AM) (AEP, UK)			
TU1	1-693-779-11	TUNER (FM/AM) (US, CND)			
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		ACCESSORIES			
		**********			
	1-489-752-11	REMOTE CONTROL (RM-AAL040) (Multifunction remote control) (US, CND)			
	1-489-755-11	REMOTE CONTROL (RM-AAL038) (Multifunction remote control) (AEP, UK)			
	1-489-756-11	REMOTE CONTROL (RM-AAU124) (Simple remote control)			
	1-501-807-12	ANTENNA (FM) (FM wire antenna (aerial)) (AEP, UK)			
	1-542-644-21	MEASUREMENT MIC (STEREO) (Optimizer microphone ECM-AC1)			
	1-754-059-12	ANTENNA, LOOP (AM loop antenna (aerial))			
	1-793-184-51	CONNECTOR (F TYPE ADAPTOR) (FM wire antenna (aerial)) (US, CND)			
⚠	1-839-698-11	CORD, POWER (AC power cord (mains lead)) (US, CND)			
⚠	1-839-699-11	CORD, POWER (AC power cord (mains lead)) (AEP)			
⚠	1-839-700-11	CORD, POWER (AC power cord (mains lead)) (UK)			
	4-108-562-02	KNOB (EXTENSION) (Speaker cord connection tool)			
	4-282-087-01	COVER, JACK (for Front panel side jack)			
	4-287-973-11	MANUAL, INSTRUCTION (ENGLISH) (US, CND)			
	4-287-973-21	MANUAL, INSTRUCTION (FRENCH) (US, CND)			
	4-287-974-11	MANUAL, INSTRUCTION (ENGLISH) (UK)			
	4-287-974-21	MANUAL, INSTRUCTION (FRENCH) (AEP)			
	4-287-974-31	MANUAL, INSTRUCTION (SPANISH) (AEP)			
	4-287-974-41	MANUAL, INSTRUCTION (GERMAN) (AEP)			
	4-287-974-51	MANUAL, INSTRUCTION (DUTCH) (AEP)			
	4-287-974-61	MANUAL, INSTRUCTION (ITALIAN) (AEP)			
	4-287-974-71	MANUAL, INSTRUCTION (POLISH) (AEP)			
	4-287-974-81	MANUAL, INSTRUCTION (RUSSIAN) (AEP)			
	4-287-975-11	MANUAL, INSTRUCTION (SWEDISH) (AEP)			
	4-287-975-21	MANUAL, INSTRUCTION (DANISH) (AEP)			
	4-287-975-31	MANUAL, INSTRUCTION (FINNISH) (AEP)			
	4-287-975-41	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)			
	4-287-975-51	MANUAL, INSTRUCTION (GREEK) (AEP)			
	4-287-975-61	MANUAL, INSTRUCTION (HUNGARIAN) (AEP)			
	4-287-975-71	MANUAL, INSTRUCTION (CZECH) (AEP)			
	4-287-975-91	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP)			

Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

REVISION HISTORY

Checking the version allows you to jump to the revised page.
Also, clicking the version at the top of the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2011.11	New
1.1	2011.12	Change of Part for Ref. No. IC2202, IC2203, IC2204 and IC2225 on the D-AUDIO board (SMR-11056)
1.2	2012.05	Addition of preparation of video calibration adjustment (SMR-12009)

How to search for a contact point of signal lines or the like in DIAGRAMS SECTION
If a contact point of a BLOCK DIAGRAM, PRINTED WIRING BOARD or SCHEMATIC DIAGRAM is shown in a different page, use the PDF file search function to find one.

e.g.) If a contact point is shown as >001Z, follow the procedure below.
Procedure:
1. Press the [F] key while pressing the [Ctrl] key.
2. Input ">001Z" in the search box and press the [Enter] key.
3. The relevant part (page), where the contact point is shown, appears.

Note: If you still see the original page, press the [Enter] key again.