

STR-DA1800ES

SERVICE MANUAL

Ver. 1.0 2012.07

US Model
Canadian 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

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 100 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

POWER OUTPUT¹⁾

Rated Power Output at Stereo Mode
(8 ohms, 20 Hz – 20 kHz, THD 0.09%)
100 W + 100 W
Surround Mode Output Power²⁾
(8 ohms, 1 kHz, THD 10%)
150 W per channel

¹⁾Measured under the following conditions:

Area	Power requirements
USA, Canada	120 V AC, 60 Hz

²⁾Reference power output for front, center, surround, surround back and front high speakers. Depending on the sound field settings and the source, there may be no sound output.

Frequency response

Analog 10 Hz – 100 kHz,
+0.5/–2 dB (with sound
field and equalizer
bypassed)

Input

Analog Sensitivity: 500 mV/
50 kilohms
S/N³⁾: 105 dB
(A, 500 mV⁴⁾)
Digital (Coaxial) Impedance: 75 ohms
S/N: 100 dB
(A, 20 kHz LPF)
Digital (Optical) S/N: 100 dB
(A, 20 kHz LPF)

Output (Analog)

AUDIO OUT Voltage: 500 mV/1 kilohm

SUBWOOFER Voltage: 2 V/1 kilohm

Equalizer

Gain levels ±10 dB, 1 dB step

³⁾INPUT SHORT (with sound field and equalizer bypassed).

⁴⁾Weighted network, input level.

FM tuner section

Tuning range 87.5 MHz – 108.0 MHz

Antenna (aerial) FM wire antenna (aerial)

Antenna (aerial) terminals

75 ohms, unbalanced

AM tuner section

Tuning range

Area	Tuning scale	
	10 kHz step	9 kHz step
USA, Canada	530 kHz – 1,710 kHz	531 kHz – 1,710 kHz

Antenna (aerial) Loop antenna (aerial)

Video section

Inputs/Outputs

Video: 1 Vp-p, 75 ohms

COMPONENT VIDEO:

Y: 1 Vp-p, 75 ohms

Pb: 0.7 Vp-p, 75 ohms

Pk: 0.7 Vp-p, 75 ohms

80 MHz HD Pass Through

HDMI Video

Input/Output (HDMI Repeater block)

Format	2D	3D		
		Frame packing	Side-by-Side (Half)	Over-Under (Top-and-Bottom)
4096 × 2160p @ 23.98/24 Hz	○	–	–	–
3840 × 2160p @ 29.97/30 Hz	○	–	–	–
3840 × 2160p @ 25 Hz	○	–	–	–
3840 × 2160p @ 23.98/24 Hz	○	–	–	–
1920 × 1080p @ 59.94/60 Hz	○	–	○	○
1920 × 1080p @ 50 Hz	○	–	○	○
1920 × 1080p @ 29.97/30 Hz	○	○	○	○
1920 × 1080p @ 25 Hz	○	○	○	○
1920 × 1080p @ 23.98/24 Hz	○	○	○	○
1920 × 1080i @ 59.94/60 Hz	○	○	○	○
1920 × 1080i @ 50 Hz	○	○	○	○
1280 × 720p @ 59.94/60 Hz	○	○	○	○
1280 × 720p @ 50 Hz	○	○	○	○
1280 × 720p @ 29.97/30 Hz	○	○	○	○
1280 × 720p @ 23.98/24 Hz	○	○	○	○
720 × 480p @ 59.94/60 Hz	○	–	–	–
720 × 576p @ 50 Hz	○	–	–	–
640 × 480p @ 59.94/60 Hz	○	–	–	–

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-893-525-01

2012G33-1

© 2012.07

Sony Corporation

Published by Sony Techno Create Corporation

SONY®

STR-DA1800ES

iPod/iPhone section

DC 5V 1.0 A MAX

USB section

Supported bit rate* MP3 (MPEG 1 Audio Layer-3):
32 kbps – 320 kbps, VBR
WMA: 48 kbps – 192 kbps
AAC: 48 kbps – 320 kbps
* Compatibility with all encoding/writing software, recording devices and recording media cannot be guaranteed.
Transfer speed Full-speed
Supported USB device Mass Storage Class
Maximum current 500 mA

NETWORK section

Ethernet LAN 10BASE-T/100BASE-TX
Wireless LAN
Compatible standards:
IEEE 802.11 b/g
Security: WEP 64 bit, WEP 128 bit, WPA/WPA2-PSK (AES), WPA/WPA2-PSK (TKIP)
Radio frequency: 2.4 GHz

Bluetooth section

Communication system
Bluetooth Specification version 2.1 + EDR (Enhanced Data Rate)
Output Bluetooth Specification Power Class 2
Maximum communication range Line of sight approx. 10 m¹⁾
Frequency band 2.4 GHz band (2.4000 GHz – 2.4835 GHz)
Modulation method FHSS (Freq Hopping Spread Spectrum)
Compatible Bluetooth profiles²⁾
A2DP (Advanced Audio Distribution Profile)
AVRCP 1.3 (Audio Video Remote Control Profile)
Supported Codecs³⁾ SBC⁴⁾

On copyrights

This receiver incorporates Dolby® Digital and Pro Logic Surround and the DTS® Digital Surround System.
* Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, Surround EX, and the double-D symbol are trademarks of Dolby Laboratories.
** Manufactured under license under U.S. Patent Nos. 5,956,674; 5,974,380; 6,226,616; 6,487,535; 7,212,872; 7,333,929; 7,392,195; 7,272,567 & other U.S. and worldwide patents issued & pending. DTS-HD, the Symbol, & DTS-HD and the Symbol together are registered trademarks & DTS-HD Master Audio is a trademark of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

HDMI

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
The font type (Shin Go R) installed in this receiver is provided by MORISAWA & COMPANY LTD. These names are the trademarks of MORISAWA & COMPANY LTD., and the copyright of the font also belongs to MORISAWA & COMPANY LTD.
AirPlay, the AirPlay logo, iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
All other trademarks and registered trademarks are of their respective holders. In this manual, ™ and ® marks are not specified.



“Made for iPod” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.
Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

Transmission range (A2DP)
20 Hz – 20,000 Hz
(Sampling frequency 44.1 kHz)
¹⁾The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, cordless phone, reception sensitivity, antenna’s performance, operating system, software application, etc.
²⁾Bluetooth standard profiles indicate the purpose of Bluetooth communication between devices.
³⁾Codec: Audio signal compression and conversion format
⁴⁾Subband Codec

General	
Power requirements	
Area	Power requirements
USA, Canada	120 V AC, 60 Hz

Power consumption 240 W
Power consumption (during standby mode) 0.3 W (When Control for HDMI, Network Standby and Bluetooth Standby are set to off, and the receiver in zone 2 is turned off.)
Dimensions (width/height/depth) (Approx.) 430 mm × 158 mm × 322.6 mm (17 in × 6 1/4 in × 12 3/4 in) including projecting parts and controls
Mass (Approx.) 9.1 kg (20 lb 1 oz)

- Supplied accessories
- Operating Instructions
 - Quick Setup Guide (1)
 - GUI Menu List (1)
 - FM wire antenna (aerial) (1)
 - AM loop antenna (aerial) (1)
 - Remote control (RM-AAP080) (1)
 - R6 (size AA) batteries (2)
 - Optimizer microphone (ECM-AC2) (1)
 - Power cord (1)

Design and specifications are subject to change without notice.

DLNA CERTIFIED™
DLNA™, the DLNA Logo and DLNA CERTIFIED™ are trademarks, service marks, or certification marks of the Digital Living Network Alliance.
“Sony Entertainment Network logo” and “Sony Entertainment Network” are trademarks of Sony Corporation.
Wake-on-LAN is a trademark of International Business Machines Corporation in the United States.
Microsoft, Windows, Windows Vista, Windows 7™, and Windows Media are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

This product contains technology subject to certain intellectual property rights of Microsoft. Use or distribution of this technology outside of this product is prohibited without the appropriate license(s) from Microsoft.
MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
“x.v.Color (x.v.Colour)” and “x.v.Color (x.v.Colour)” logo are trademarks of Sony Corporation.
“BRAVIA” is a trademark of Sony Corporation.
“PlayStation” is a registered trademark of Sony Computer Entertainment Inc.
“WALKMAN” is a registered trademark of Sony Corporation.
MICROVAULT is a trademark of Sony Corporation.
VAIO and VAIO Media are registered trademarks of Sony Corporation.
PARTY STREAMING and PARTY STREAMING logo are trademarks of Sony Corporation.

Wi-Fi CERTIFIED
The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance.
Bluetooth
The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Sony Corporation is under license.
Other trademarks and trade names are those of their respective owners.
InstaPrevue™ is a trademark or registered trademark of Silicon Image, Inc. in the United States and other countries.

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)

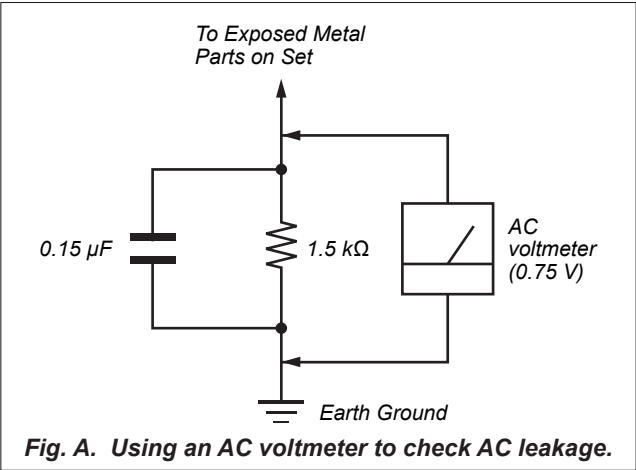


Fig. A. Using an AC voltmeter to check AC leakage.

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.

TABLE OF CONTENTS

1. SERVICING NOTES	4	5-19. Printed Wiring Board - DSP Board -	46
2. DISASSEMBLY		5-20. Schematic Diagram - DSP Board -	47
2-1. Disassembly Flow.....	8	5-21. Printed Wiring Board - USB Board -	48
2-2. Case, Fuse (F901)	9	5-22. Schematic Diagram - USB Board -	49
2-3. Front Panel Block	10	5-23. Printed Wiring Board	
2-4. D-VIDEO NW Board Block.....	11	- AVIDEO Board (Component Side) -	50
2-5. D-VIDEO NW Board	12	5-24. Printed Wiring Board	
2-6. STANDBY Board	13	- AVIDEO Board (Conductor Side) -	51
2-7. DCDC Board, DCDC2 Board.....	14	5-25. Schematic Diagram - AVIDEO Board -	52
2-8. HAT Board	15	5-26. Schematic Diagram - D-VIDEO NW Board (1/7) -	53
2-9. TUNER1AMF Assy (TU1).....	15	5-27. Schematic Diagram - D-VIDEO NW Board (2/7) -	54
2-10. Back Panel Block.....	16	5-28. Schematic Diagram - D-VIDEO NW Board (3/7) -	55
2-11. Center Bracket Block	16	5-29. Schematic Diagram - D-VIDEO NW Board (4/7) -	56
2-12. AVIDEO Board	17	5-30. Schematic Diagram - D-VIDEO NW Board (5/7) -	57
2-13. DIGITAL Board Block	18	5-31. Schematic Diagram - D-VIDEO NW Board (6/7) -	58
2-14. DIGITAL Board	18	5-32. Schematic Diagram - D-VIDEO NW Board (7/7) -	59
2-15. MAIN Board Block	19	5-33. Printed Wiring Board	
2-16. MAIN Board	20	- D-VIDEO NW Board (Side A) -	60
2-17. How to Bend Wire (Flat Type).....	20	5-34. Printed Wiring Board	
3. TEST MODE	21	- D-VIDEO NW Board (Side B) -	61
4. ELECTRICAL ADJUSTMENTS	24	5-35. Printed Wiring Board - HAT Board -	62
5. DIAGRAMS		5-36. Schematic Diagram - HAT Board -	63
5-1. Block Diagram - DIGITAL AUDIO Section -	27	5-37. Printed Wiring Boards	
5-2. Block Diagram - ANALOG AUDIO, USB Section -	28	- PANEL, THERMAL SENSOR Section -	64
5-3. Block Diagram - AMP Section -	29	5-38. Schematic Diagram	
5-4. Block Diagram - VIDEO Section -	30	- PANEL, THERMAL SENSOR Section -	65
5-5. Block Diagram - HDMI Section -	31	5-39. Printed Wiring Board - DISPLAY Board -	66
5-6. Block Diagram - NETWORK Section -	32	5-40. Schematic Diagram - DISPLAY Board -	67
5-7. Block Diagram - PANEL,		5-41. Printed Wiring Boards - DCDC Section -	68
A/D CONVERTER, D/A CONVERTER Section -	33	5-42. Schematic Diagram - DCDC Section -	69
5-8. Block Diagram - POWER SUPPLY Section -	34	5-43. Printed Wiring Board - STANDBY Board -	70
5-9. Printed Wiring Board		5-44. Schematic Diagram - STANDBY Board -	70
- DIGITAL Board (Component Side) -	36	6. EXPLODED VIEWS	
5-10. Printed Wiring Board		6-1. Case Section.....	100
- DIGITAL Board (Conductor Side) -	37	6-2. D-VIDEO NW Board Section	101
5-11. Schematic Diagram - DIGITAL Board (1/3) -	38	6-3. DCDC Board Section.....	102
5-12. Schematic Diagram - DIGITAL Board (2/3) -	39	6-4. Back Panel Section	103
5-13. Schematic Diagram - DIGITAL Board (3/3) -	40	6-5. Chassis Section	104
5-14. Printed Wiring Board - MAIN Board -	41	6-6. Front Panel Section	105
5-15. Schematic Diagram - MAIN Board (1/4) -	42	6-7. MAIN Board Section	106
5-16. Schematic Diagram - MAIN Board (2/4) -	43	6-8. Heat Sink Section.....	107
5-17. Schematic Diagram - MAIN Board (3/4) -	44	7. ELECTRICAL PARTS LIST	108
5-18. Schematic Diagram - MAIN Board (4/4) -	45		

Accessories are given in the last of the electrical parts list.

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 CN3005, IC3008 AND IC3700 ON THE D-VIDEO NW BOARD

CN3005, IC3008 and IC3700 on the D-VIDEO NW board cannot exchange with single. When these parts are damaged, exchange the complete mounted board.

NOTE OF REPLACING THE CN2513 AND IC2811 ON THE DIGITAL BOARD

CN2513 and IC2811 on the DIGITAL board cannot exchange with single. When these parts are damaged, exchange the complete mounted board.

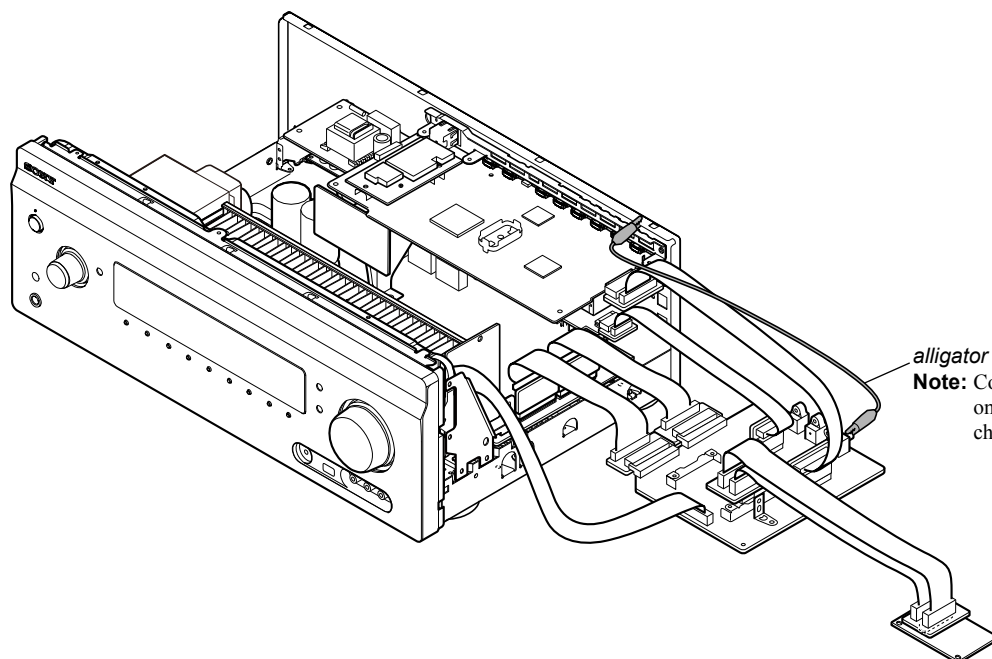
NOTE OF REPLACING THE IC5001 ON THE DSP BOARD

IC5001 on the DSP board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

NOTE OF OPERATION CHECKS

When checking the operation of each board, be sure to connect the GND of each board to rear panel with alligator clips.

– Example: When checking the DIGITAL board –



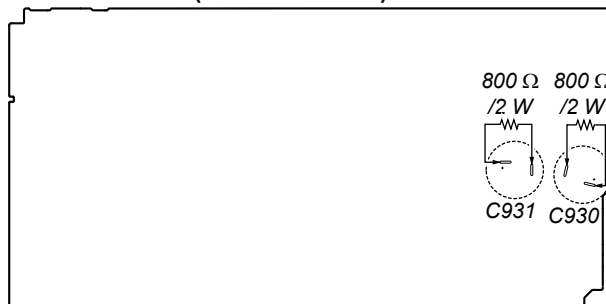
alligator clip

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

CAPACITOR ELECTRICAL DISCHARGE PROCESSING

When checking the board, for the electric shock prevention, connect the resistors to both ends of respective capacitors (C930 and C931 on the MAIN board) to discharge the capacitors (C930 and C931 on the MAIN board).

– MAIN Board (Conductor Side) –



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.
Be sure to use the buttons on the receiver to perform this operation.

- Press I/⏻ to turn off the receiver.**
- Hold down I/⏻ for 5 seconds.**
The "CLEARING" appears on the display panel for a while, then changes to "CLEARED!".
Changes or adjustments made to the settings are now reset to the defaults.

Error messages

If there is a malfunction, a message appears on the display panel. You can check the condition of the system by the message. If any problem persists, consult your nearest Sony dealer.

PROTECTOR

Irregular current is output to the speakers, or 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, check the speaker connection and turn on the power again.

USB FAIL

An over current from the ⚡ (USB) port was detected. The receiver will automatically turn off after a few seconds. Check the iPod/iPhone or USB device, then unplug it and turn on the power again.

CHECKING METHOD OF NETWORK OPERATION

It is necessary to check the network operation, when replacing the network module (NW1) or the complete D-VIDEO NW board. Check the operation of wireless and wired LAN, according to the following method.

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

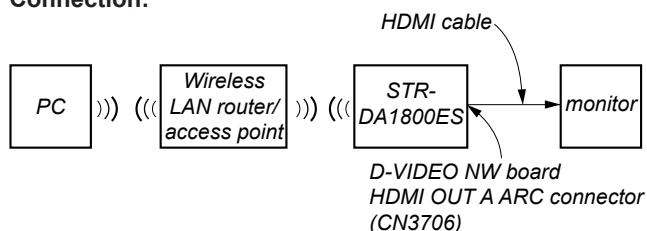
1. Checking Method of Wireless LAN Operation

Check that access point is recognized surely.

Necessary machinery and materials:

- PC (Windows XP/Vista)
- Wireless LAN router/access point
- Monitor
- Supplied multifunction remote commander (RM-AAP080)

Connection:



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 on the monitor.
2. Perform connection with reference to connection figure.
3. The power supply of the wireless LAN router/access point is turn on, next, the power supply of PC and this unit is turn on.
4. Press the [MENU] button of the remote commander, the menu is displayed on the monitor.
5. Press the [▲]/[▼] buttons of the remote commander to select the "Settings" on the menu, and press the [⊕] button or [▶] button of remote commander.
6. Press the [▲]/[▼] buttons of the remote commander to select the "Network", and press the [⊕] button or [▶] button of remote commander.
7. Press the [▲]/[▼] buttons of the remote commander to select the "Settings", and press the [⊕] button of remote commander.
8. Press the [▲]/[▼] buttons of the remote commander to select the "Wireless LAN Settings", and press the [⊕] button of remote commander.
(If the "Change Settings?" appears on the monitor, select the "OK", and press the [⊕] button of remote commander)
9. Press the [▲]/[▼] buttons of the remote commander to select the "Access Point Scan", and press the [⊕] button of remote commander.
10. This unit starts searching for access points, and displays a list of up to 30 available network name (SSID).
11. Check that access point (SSID) is displayed on the searching result.
12. Press the [I/⏻] button to turn off the main power.

Note: Refer to the instruction manual about details of the setting method.

2. Checking method of wired LAN operation

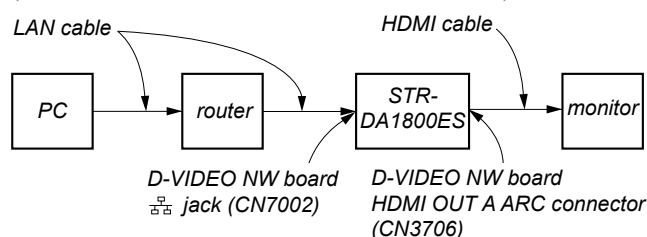
Check that access point is recognized surely.

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-AAP080)

Connection:

(The router need not be connected with the internet)

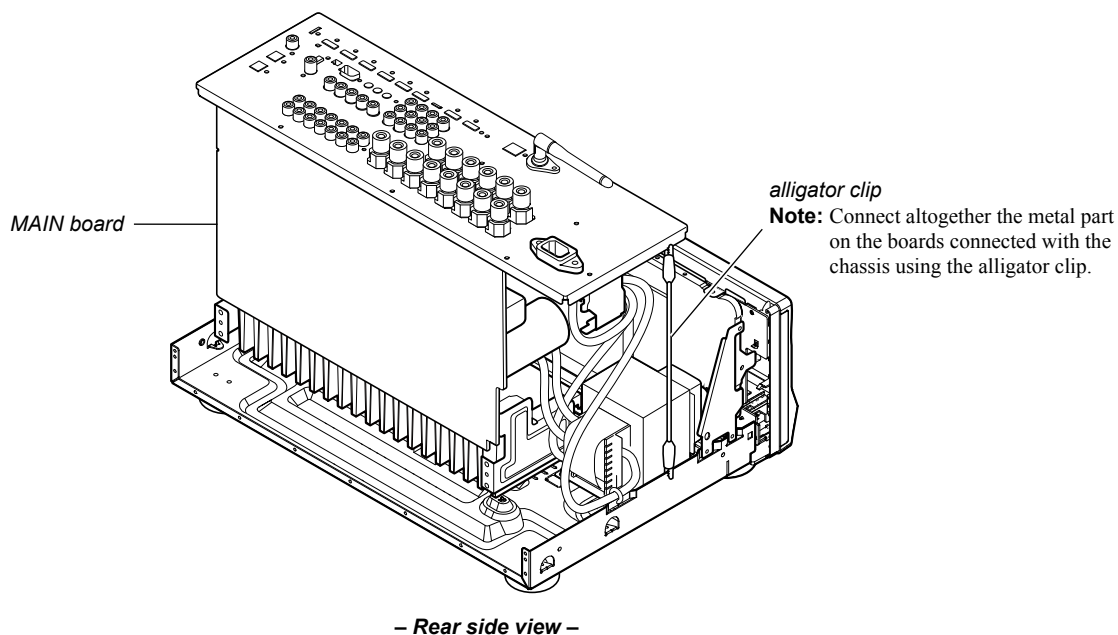


Procedure:

1. The setting of LAN of PC is setting to the automatic IP address assignment.
It changes to the setting that displays the image on 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 [MENU] button of the remote commander, the menu is displayed on the monitor.
5. Press the [▲]/[▼] buttons of the remote commander to select the "Settings" on the menu, and press the [⊕] button or [▶] button of remote commander.
6. Press the [▲]/[▼] buttons of the remote commander to select the "Network", and press the [⊕] button or [▶] button of remote commander.
7. Press the [▲]/[▼] buttons of the remote commander to select the "Settings", and press the [⊕] button of remote commander.
8. Press the [▲]/[▼] buttons of the remote commander to select the "Wireless LAN Settings", and press the [⊕] button of remote commander.
(If the "Change Settings?" appears on the monitor, select the "OK", and press the [⊕] button of remote commander)
9. Press the [▲]/[▼] buttons of the remote commander to select the "Auto", and press the [⊕] button of remote commander.
The proxy setting display appears on the monitor.
10. Press the [▲]/[▼] buttons of the remote commander to select the "Do Not Use", and press the [⊕] button of remote commander.
The confirmation display appears on the monitor.
11. Press the [▲]/[▼] buttons of the remote commander to select the "OK", and press the [⊕] button of remote commander.
"Connecting" appears on the monitor.
12. Check that the "Complete!" appears after the network settings are completed. Press the [⊕] button of remote commander.
13. Press the [I/⏻] button to turn off the main power.

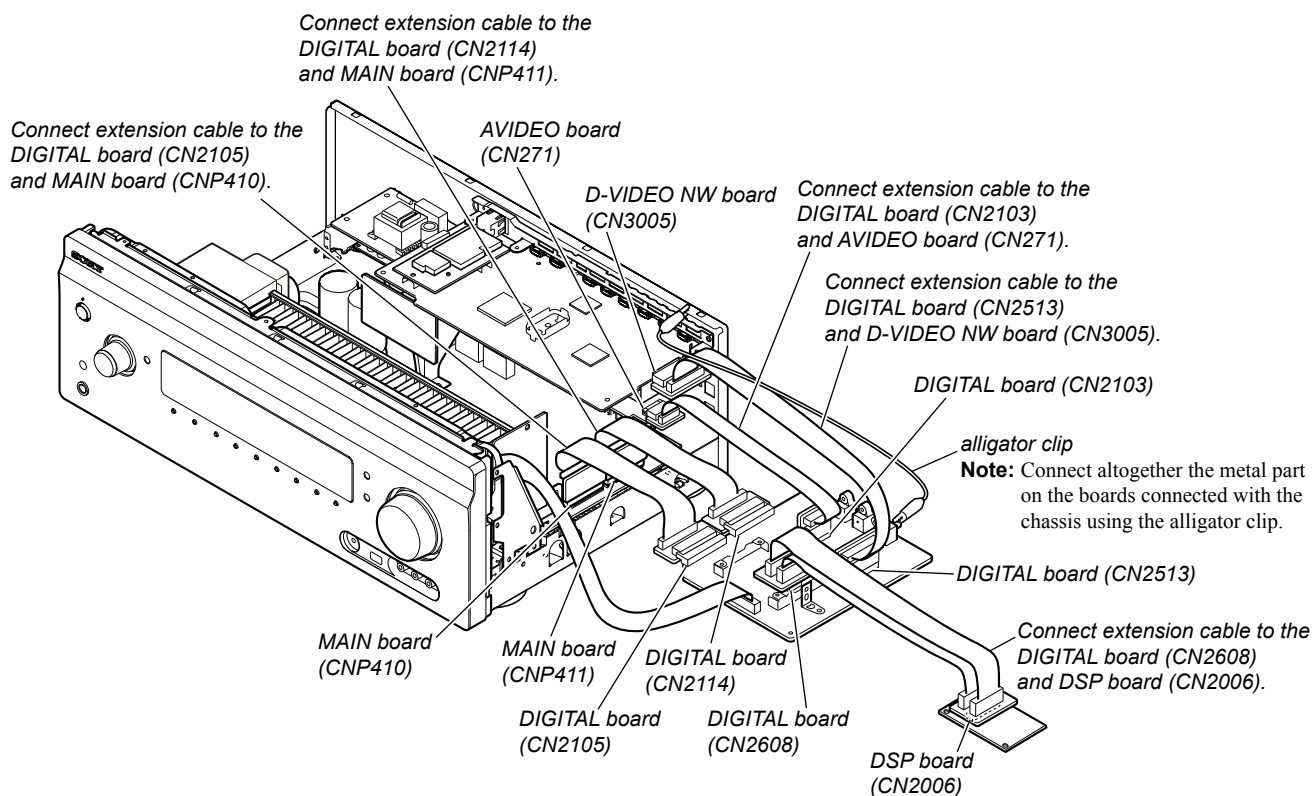
Note: Refer to the instruction manual about details of the setting method.

MAIN BOARD SERVICE POSITION



DIGITAL BOARD SERVICE POSITION

- JIG
- | Part No. | Description |
|--------------|-------------------------------|
| A-1891-150-A | SERVICE JIG COMBINED PCB ASSY |

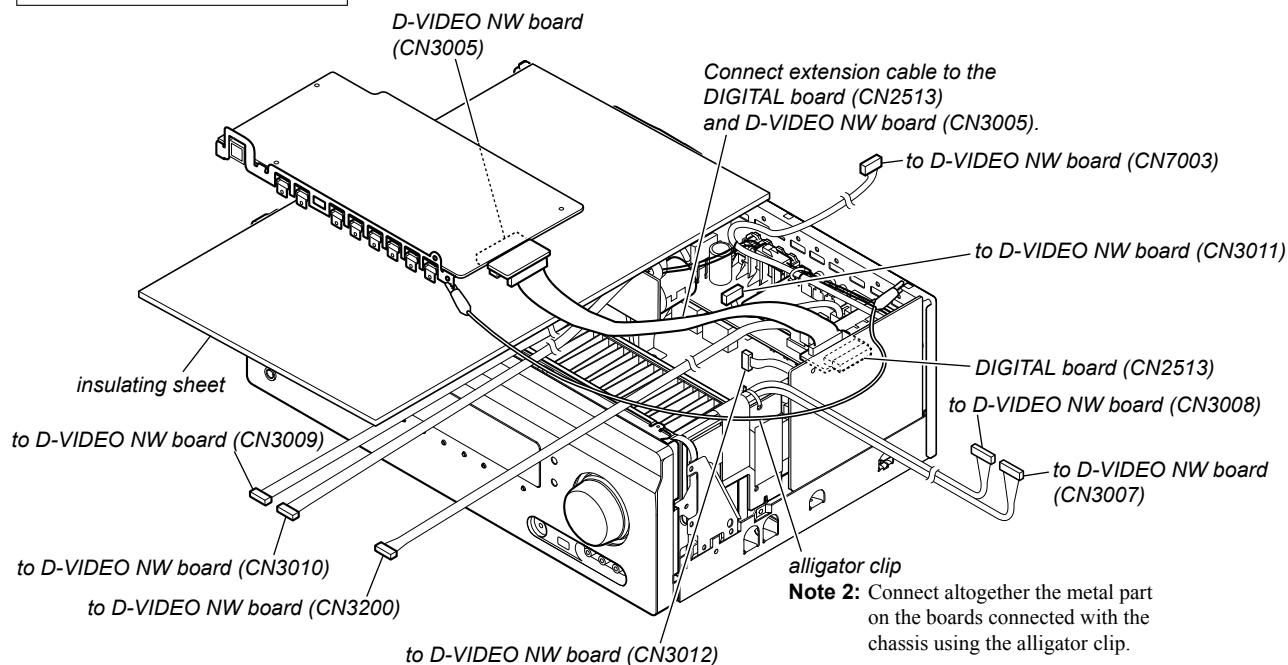


D-VIDEO NW BOARD SERVICE POSITION

- JIG

Part No.	Description
A-1891-150-A	SERVICE JIG COMBINED PCB ASSY

Note 1: Connect all the connectors.

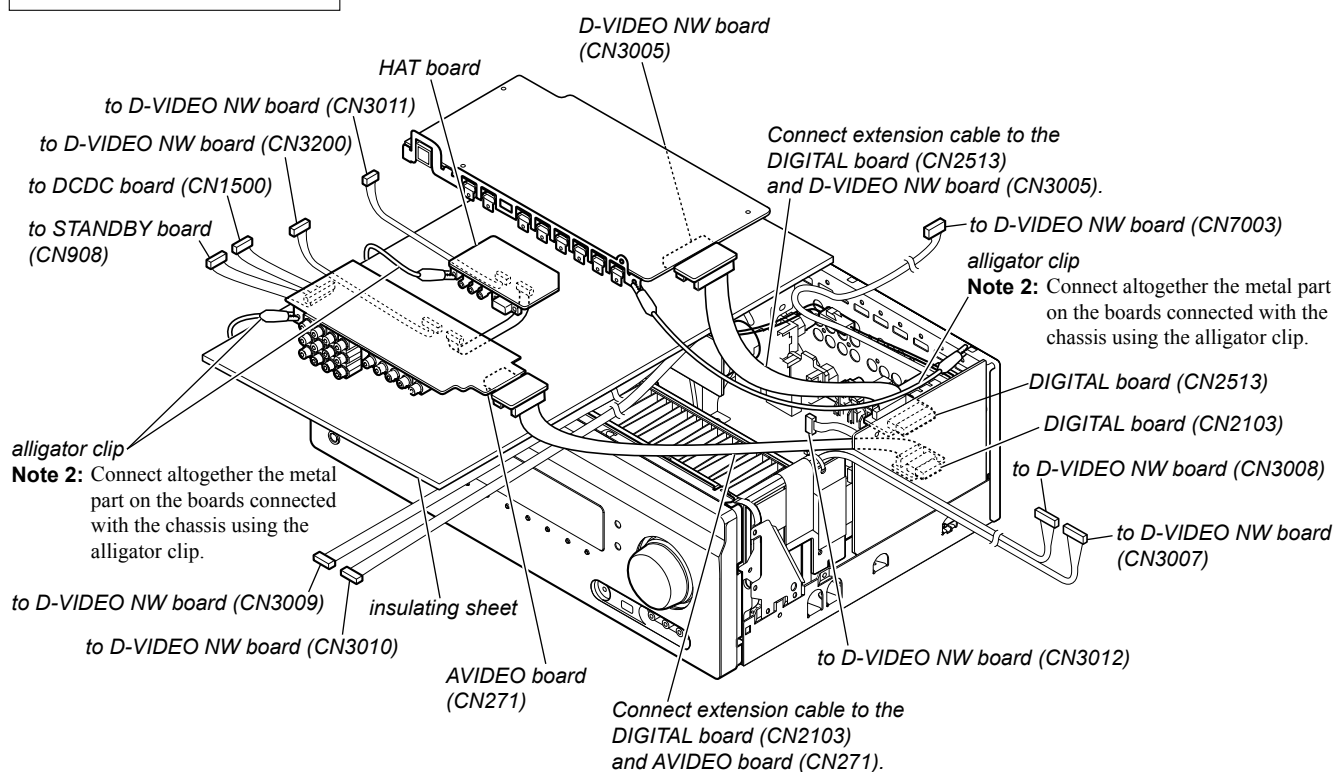


AVIDEO BOARD, HAT BOARD SERVICE POSITION

- JIG

Part No.	Description
A-1891-150-A	SERVICE JIG COMBINED PCB ASSY

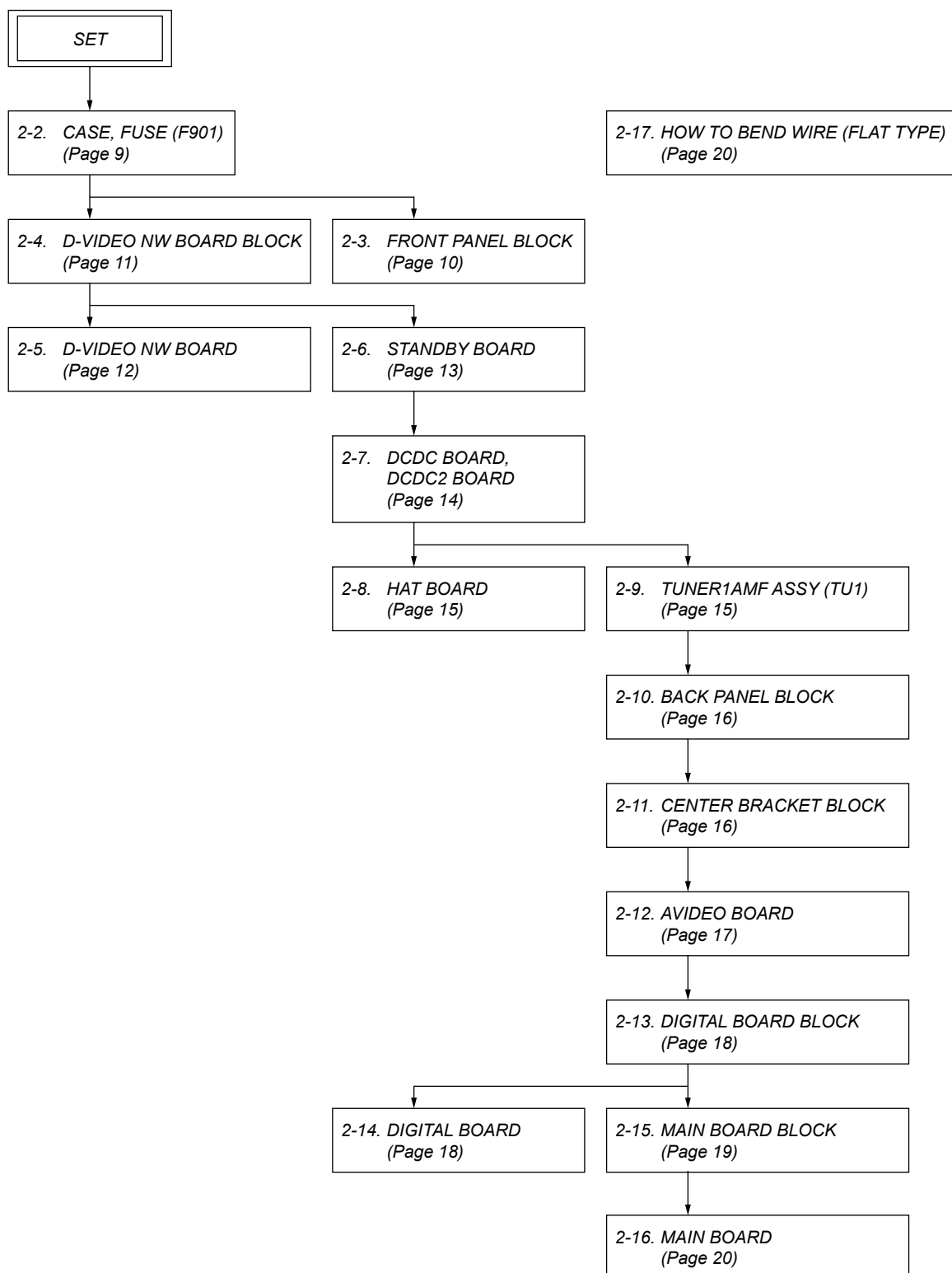
Note 1: Connect all the connectors.



SECTION 2 DISASSEMBLY

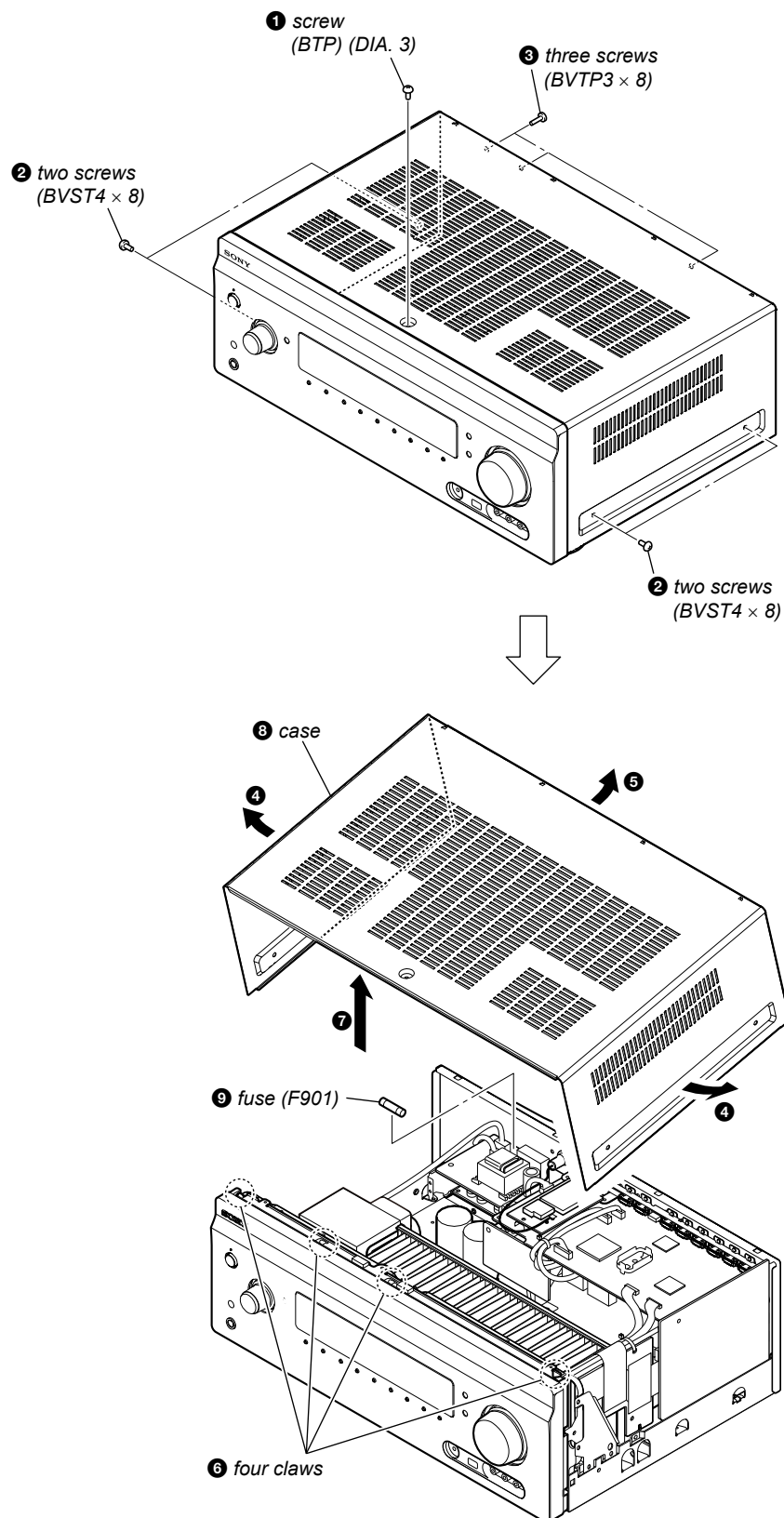
- This set can be disassembled in the order shown below.

2-1. DISASSEMBLY FLOW

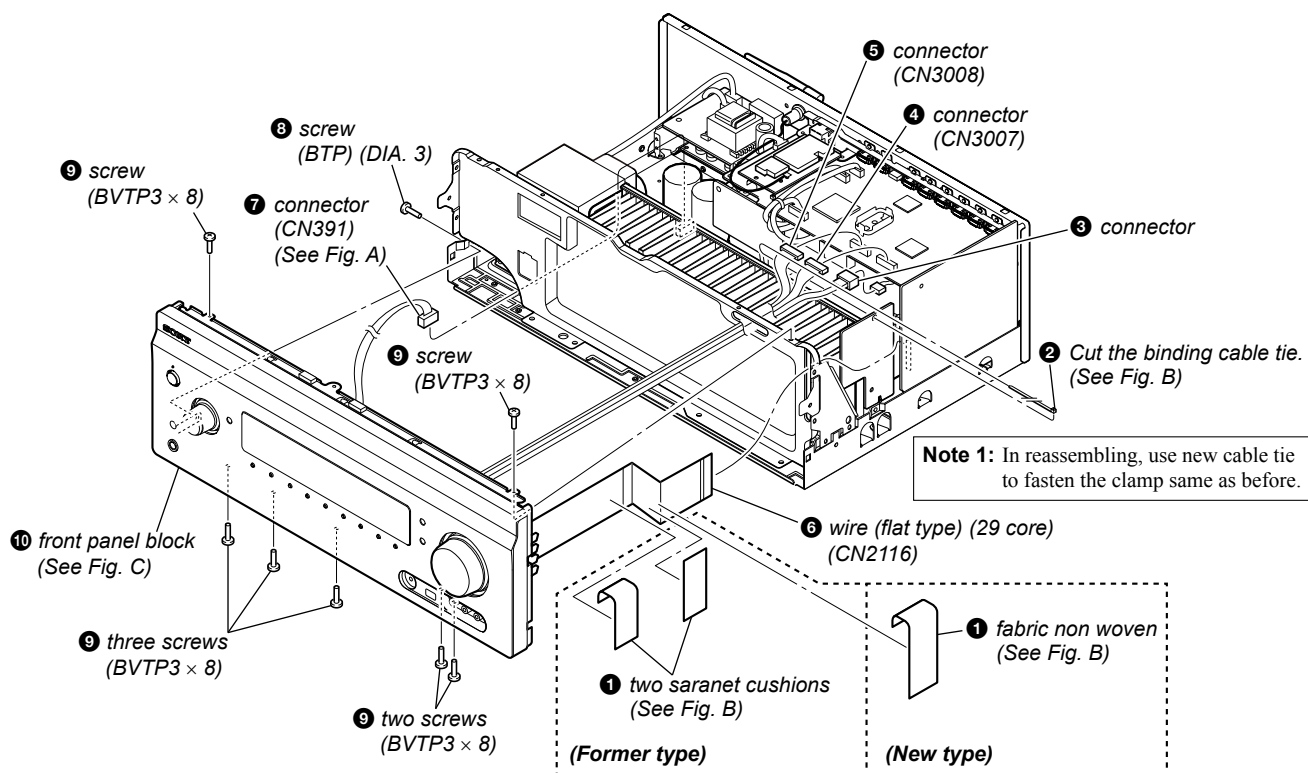


Note: Follow the disassembly procedure in the numerical order given.

2-2. CASE, FUSE (F901)

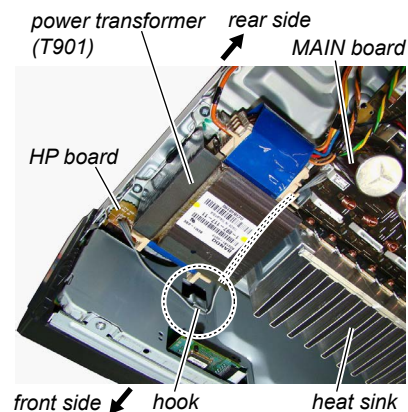


2-3. FRONT PANEL BLOCK

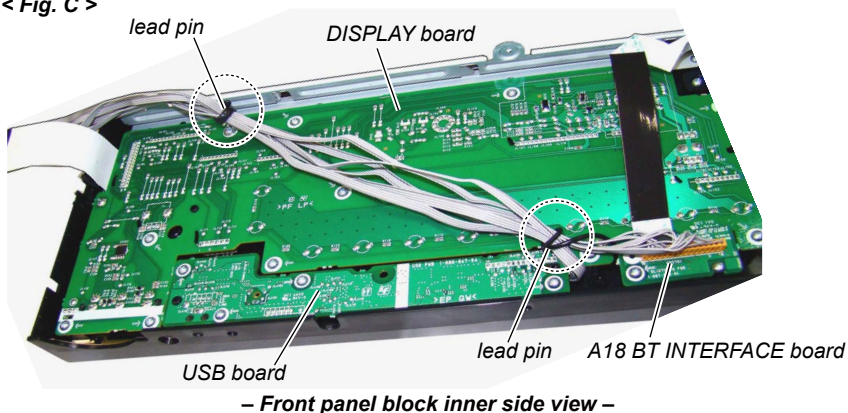


• Wire setting

< Fig. A >

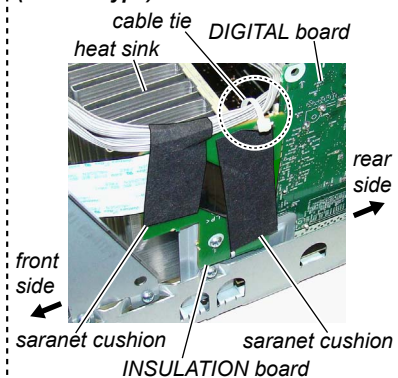


< Fig. C >

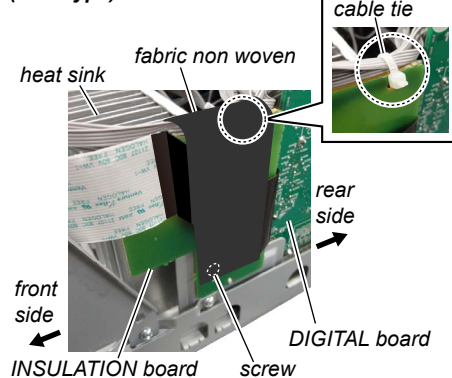


< Fig. B >

(Former type)



(New type)



Note 2: When installing the wire (flat type), ensure the colored line. No slanting after insertion.

OK

Insert is straight to the interior.

wire (flat type)

colored line

connector

NG

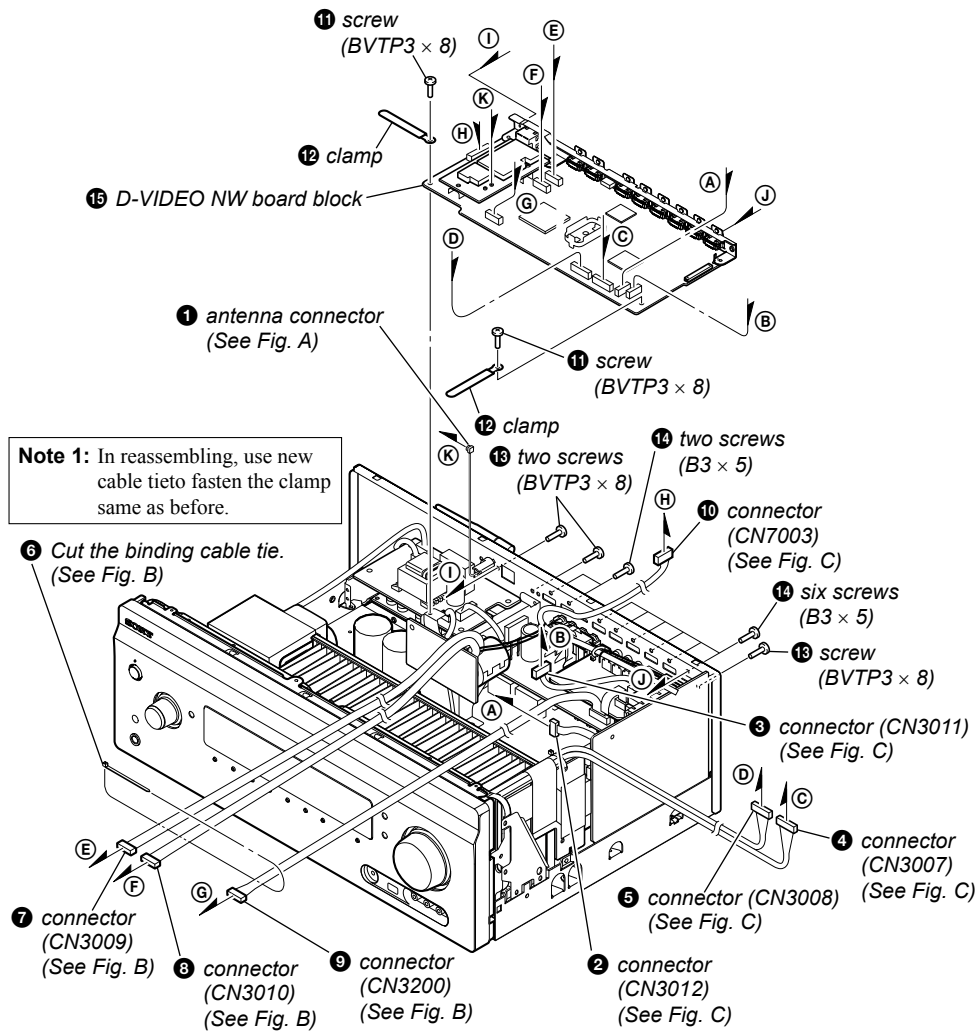
Insert is incline

wire (flat type)

colored line

connector

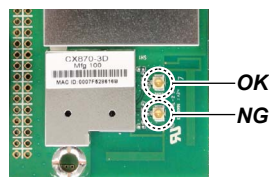
2-4. D-VIDEO NW BOARD BLOCK



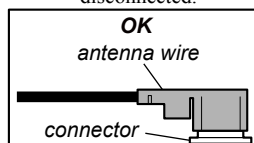
• Wire setting

< Fig. A >

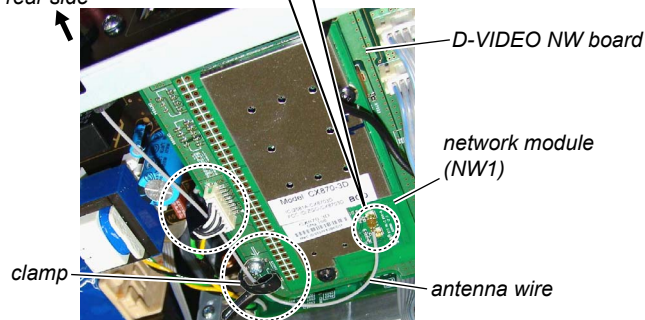
Note 2: There are two terminals for antenna wire in a network module. When connecting the antenna wire, connect with the proper terminal.



Note 3: Check the thing to which the wire is not slanting, which have not floated and from which it has not disconnected.



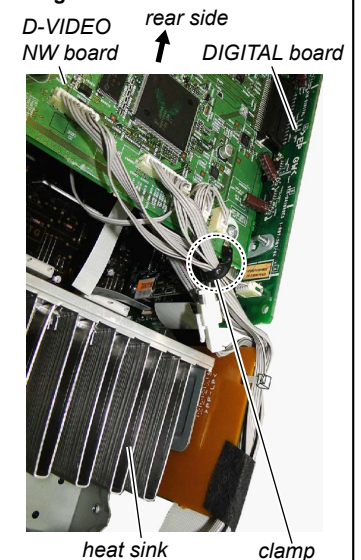
rear side



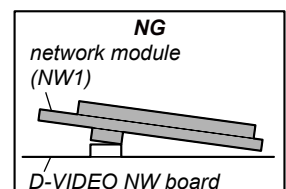
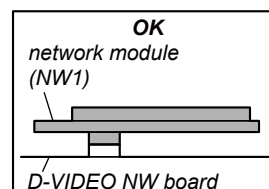
< Fig. B >



< Fig. C >

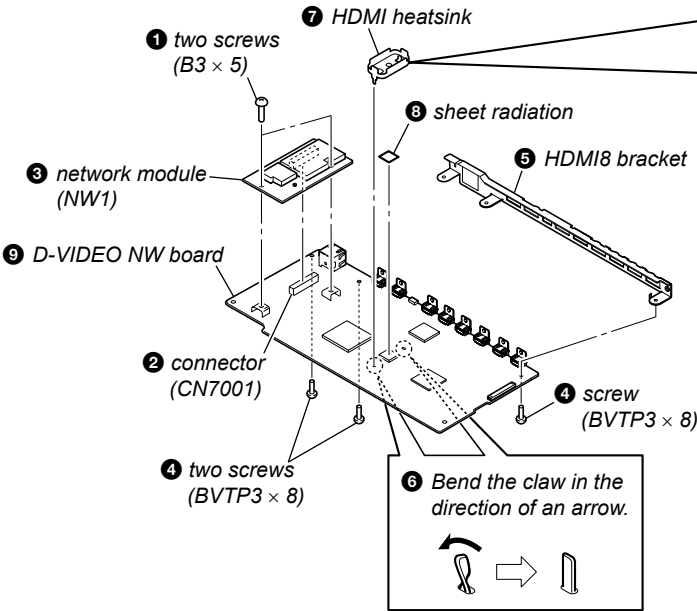


Note 4: When installing the D-VIDEO NW board block, check that the network module (NW1) is properly seated. If the network module (NW1) is tilted poor contact occurs.

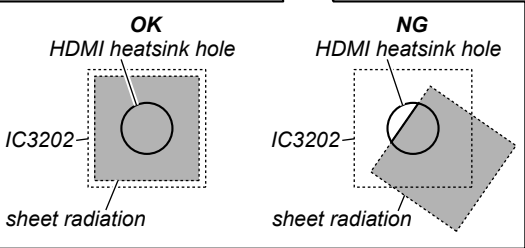
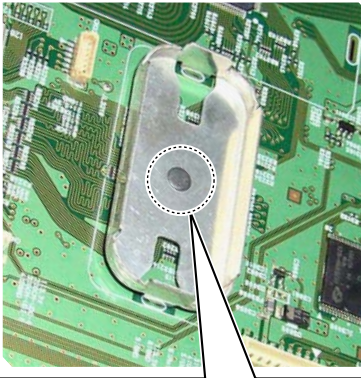


2-5. D-VIDEO NW BOARD

Note 1: When replacing the network module (NW1) or the D-VIDEO NW board, refer to “CHECKING METHOD OF NETWORK OPERATION” on page 5.

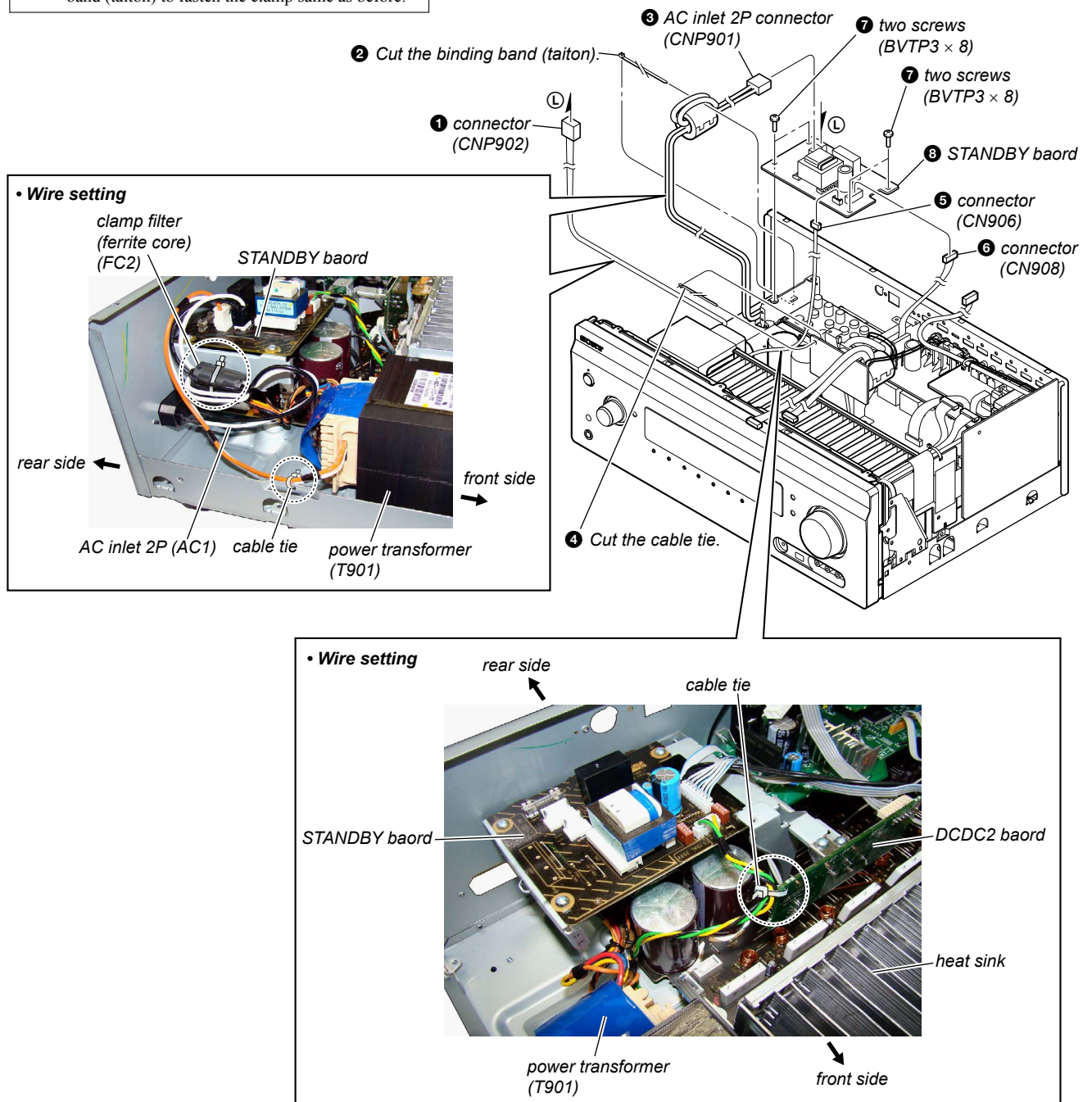


Note 2: Whwn installing the HDMI heatsink, check that the sheet has not shifted.

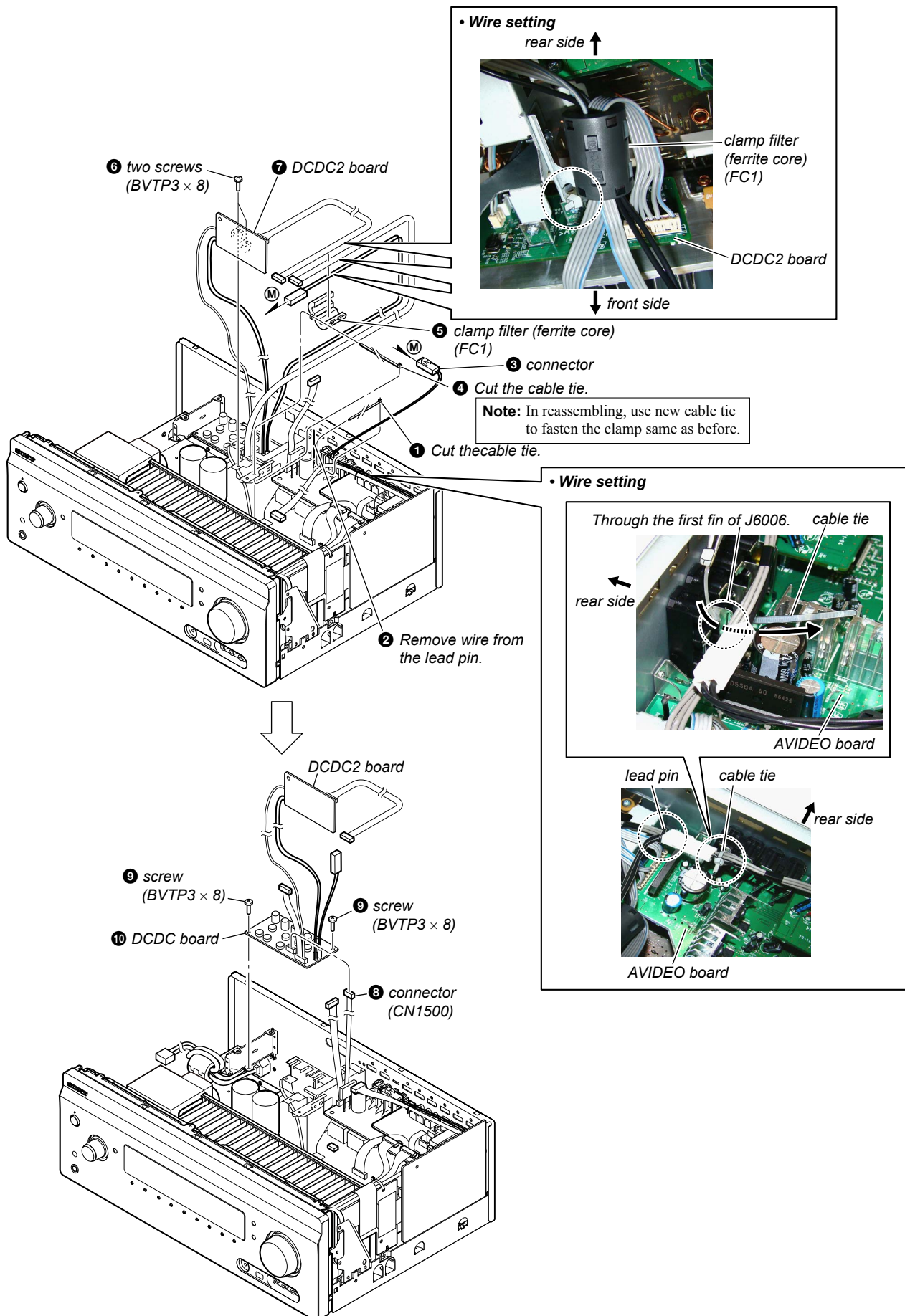


2-6. STANDBY BOARD

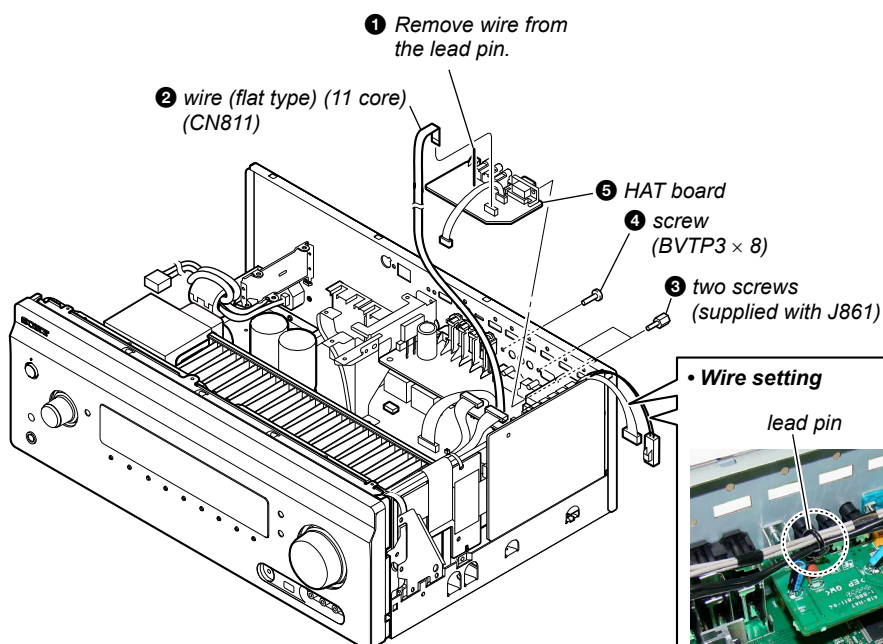
Note: In reassembling, use new cable tie or new binding band (taiton) to fasten the clamp same as before.



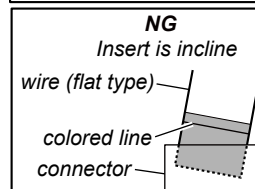
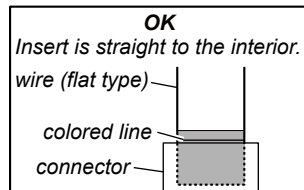
2-7. DCDC BOARD, DCDC2 BOARD



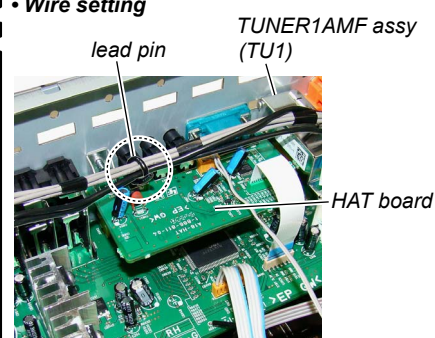
2-8. HAT BOARD



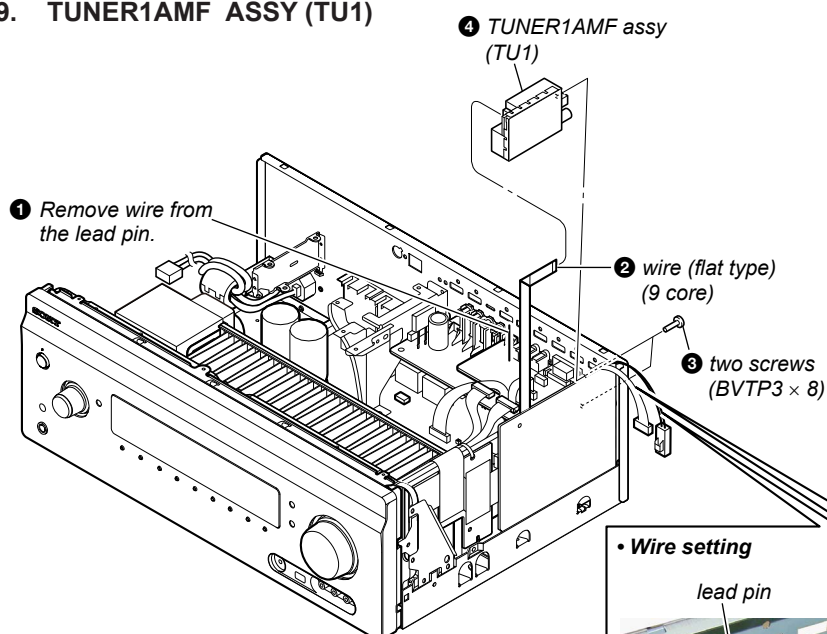
Note: When installing the wire (flat type), ensure the colored line. No slanting after insertion.



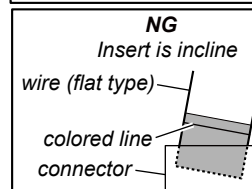
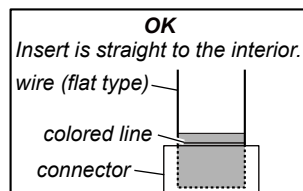
• Wire setting



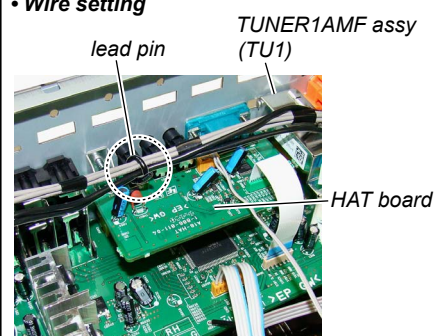
2-9. TUNER1AMF ASSY (TU1)



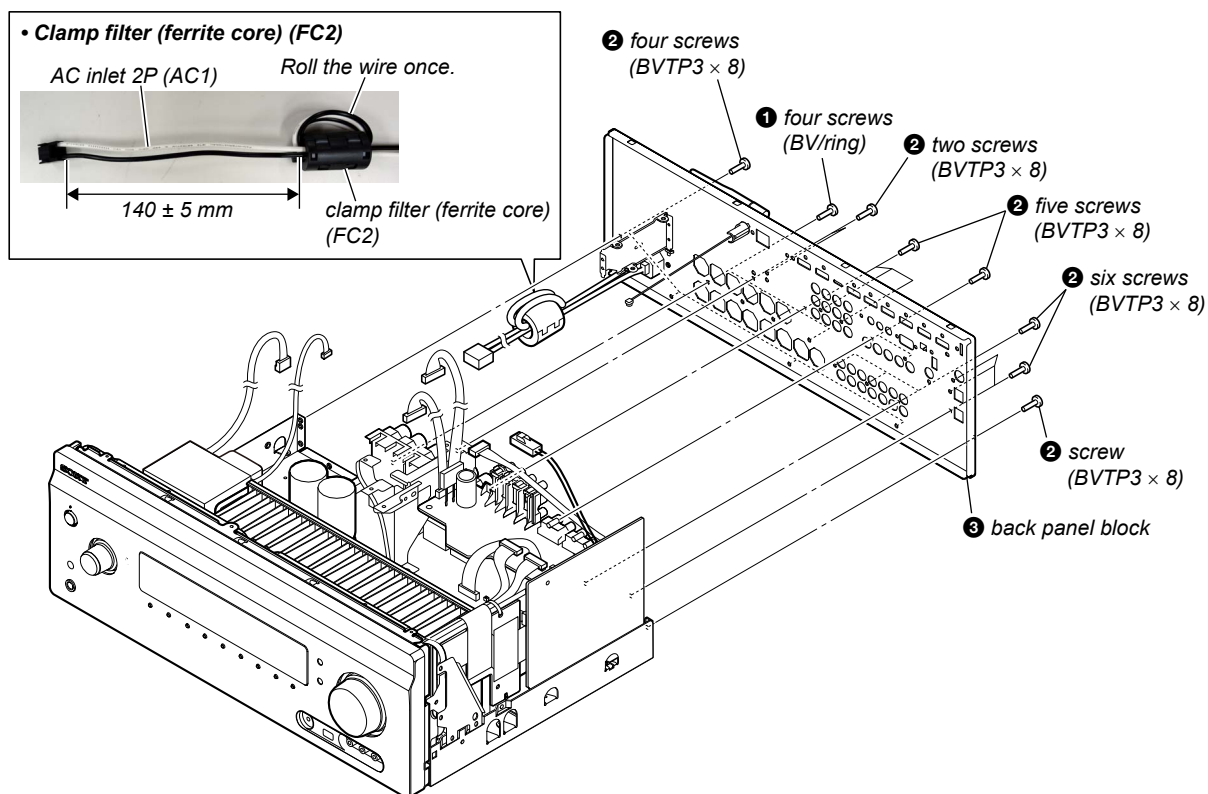
Note: When installing the wire (flat type), ensure the colored line. No slanting after insertion.



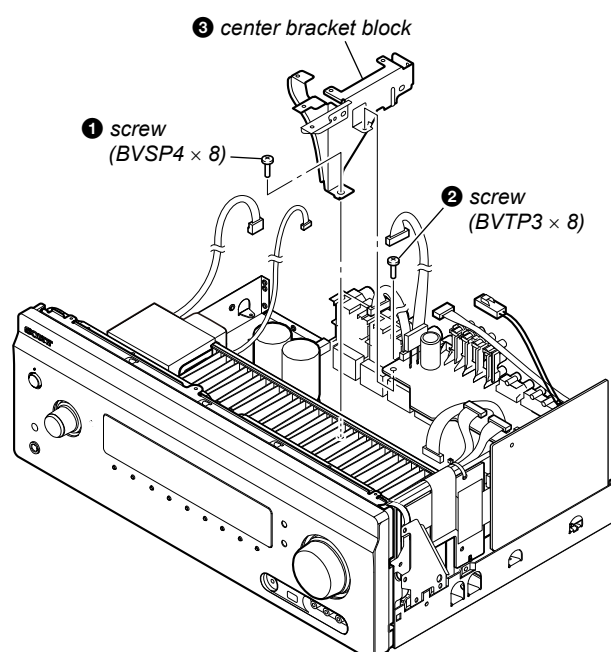
• Wire setting



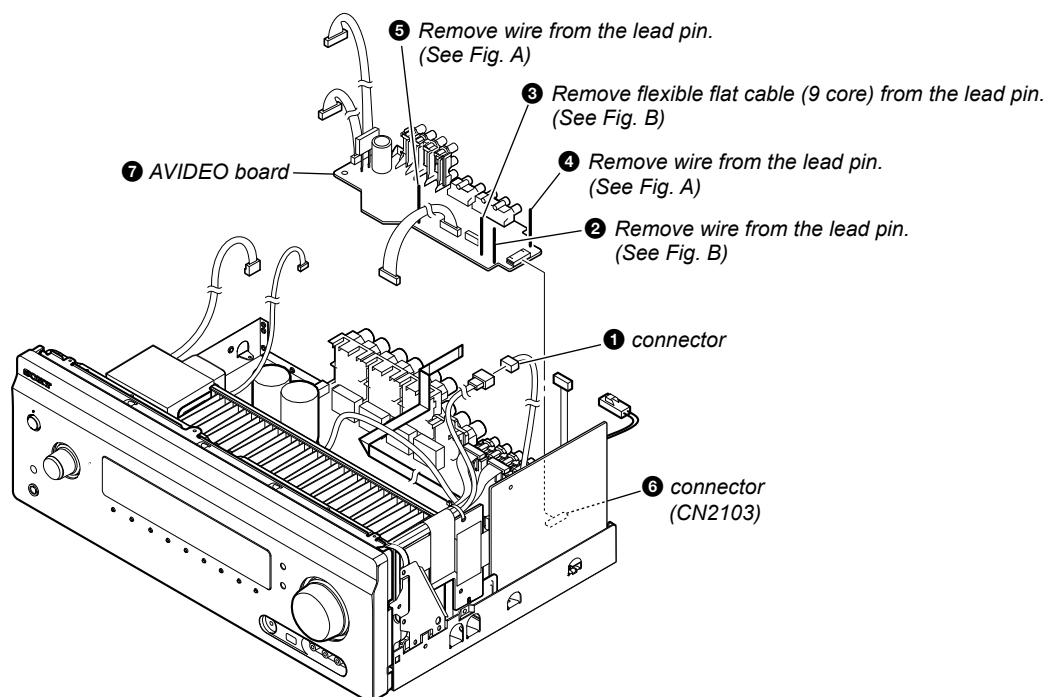
2-10. BACK PANEL BLOCK



2-11. CENTER BRACKET BLOCK



2-12. AVIDEO BOARD



• Wire setting

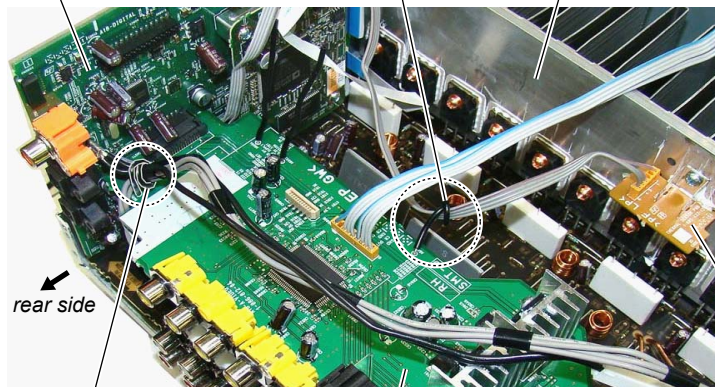
< Fig. A >

DIGITAL board

lead pin

heat sink

front side



rear side

lead pin

AVIDEO board

THERMAL SENSOR board

< Fig. B >

DIGITAL board

DSP board

rear side

AVIDEO board

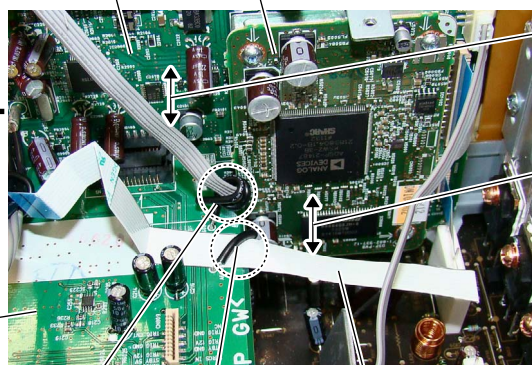
lead pin

lead pin

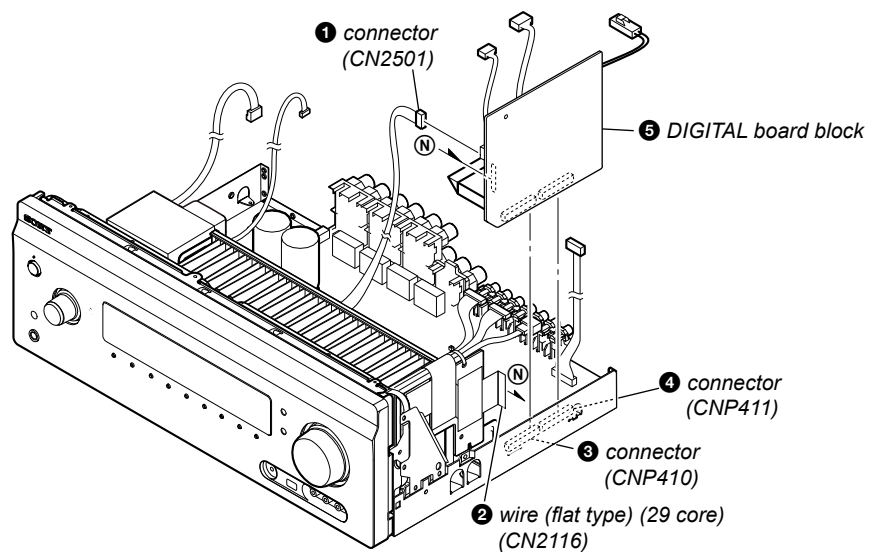
wire (flat type) (9 core)

Note 1: Do not touch the DIGITAL board.**Note 2:** The distance of wire (flat type) (9 core) to IC5001 is not less than 20 mm.

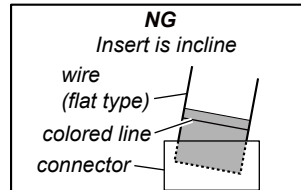
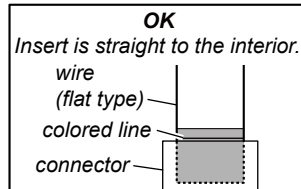
front side



2-13. DIGITAL BOARD BLOCK

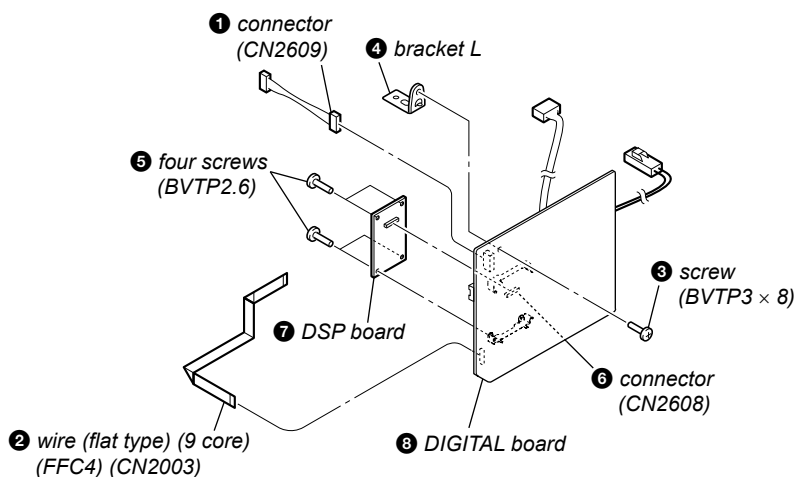
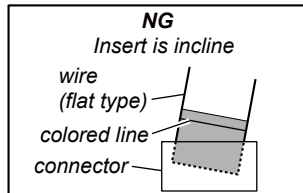
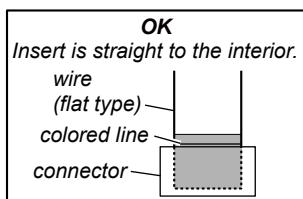


Note: When installing the wire (flat type), ensure the colored line. No slanting after insertion.

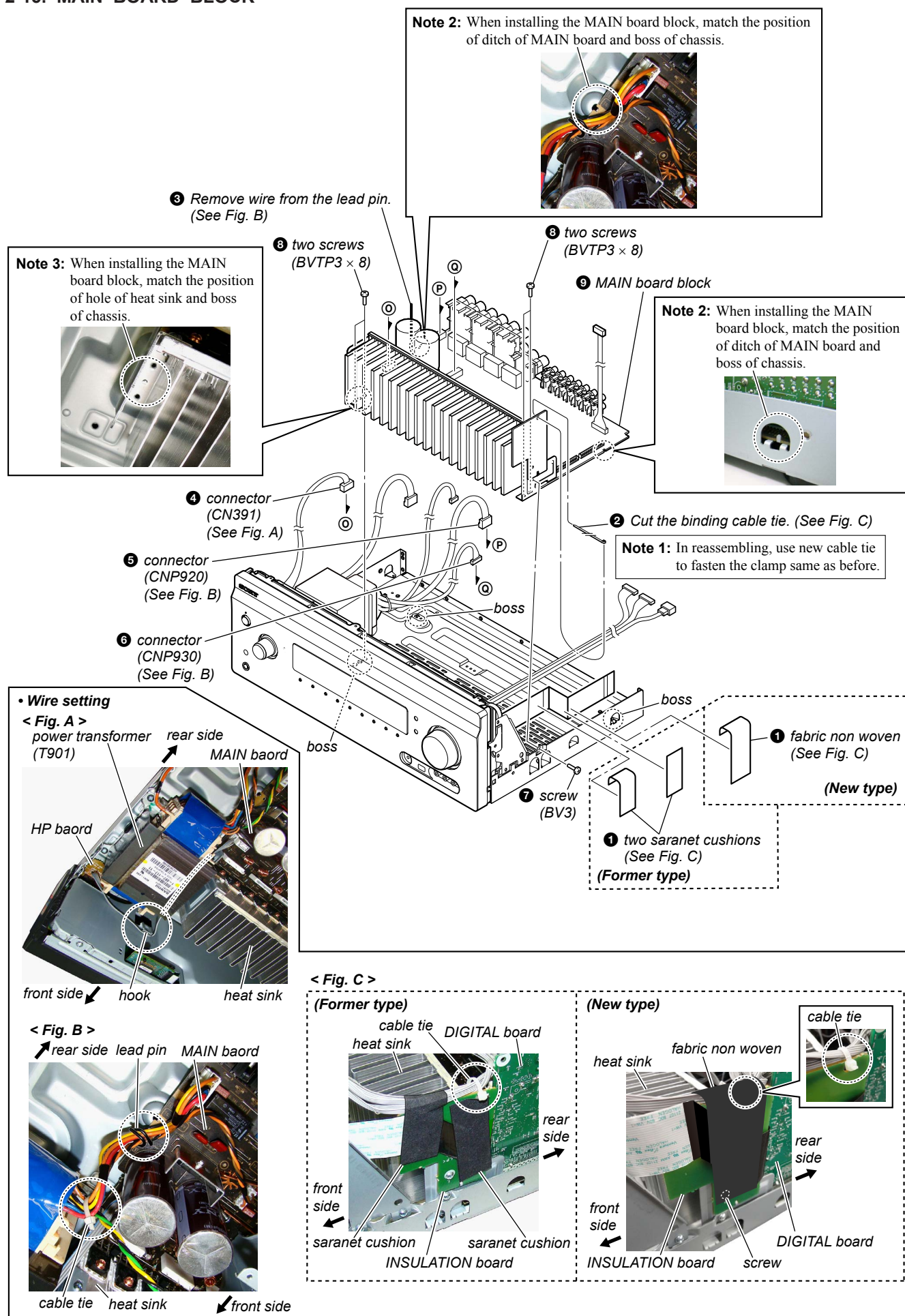


2-14. DIGITAL BOARD

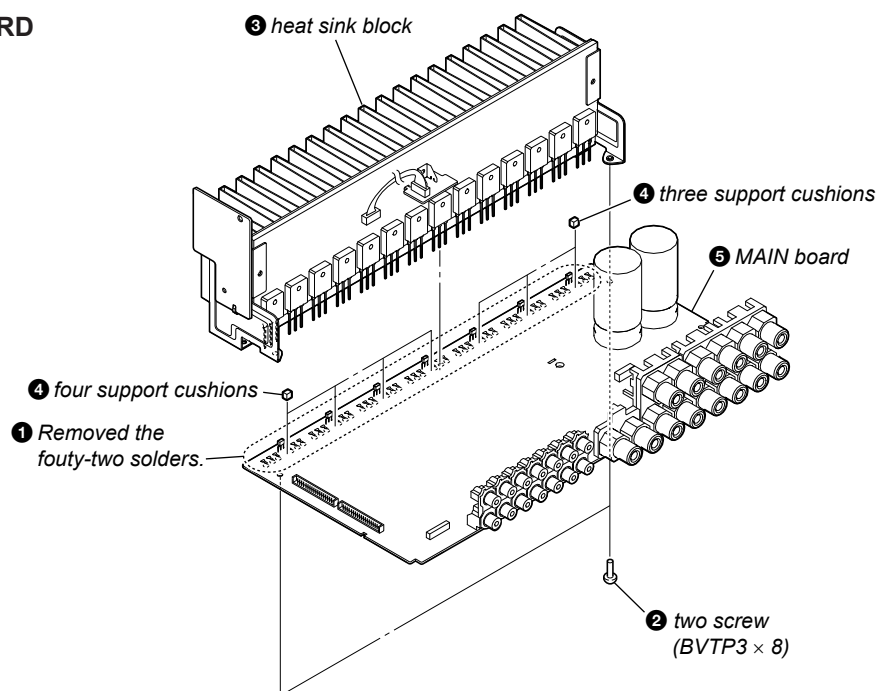
Note: When installing the wire (flat type), ensure the colored line. No slanting after insertion.



2-15. MAIN BOARD BLOCK



2-16. MAIN BOARD

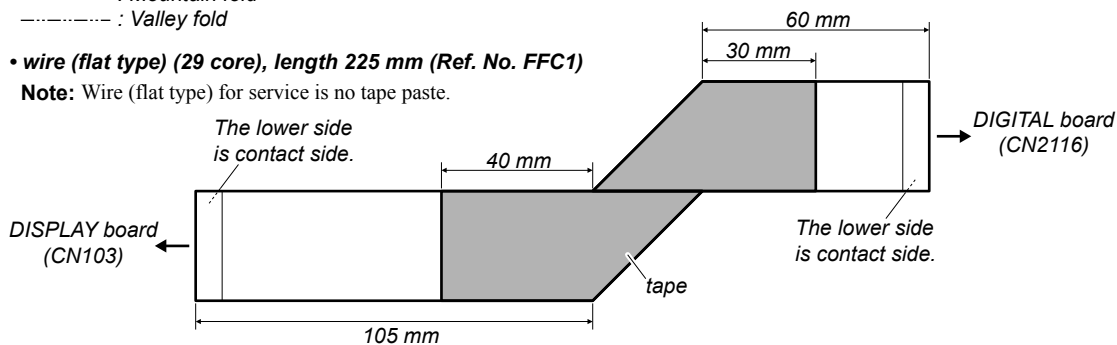


2-17. HOW TO BEND WIRE (FLAT TYPE)

----- : Mountain fold
 - - - - - : Valley fold

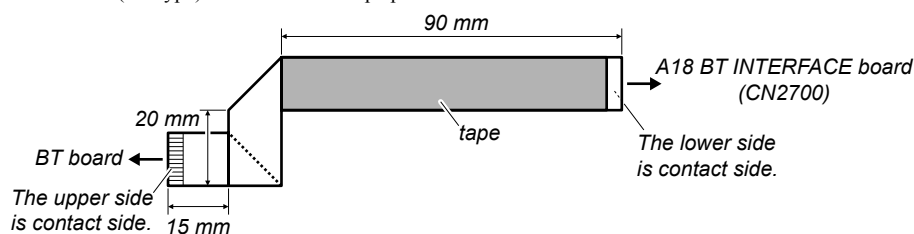
- wire (flat type) (29 core), length 225 mm (Ref. No. FFC1)

Note: Wire (flat type) for service is no tape paste.

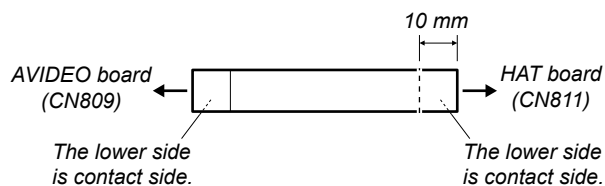


- wire (flat type) (14 core), length 155 mm (Ref. No. FFC2)

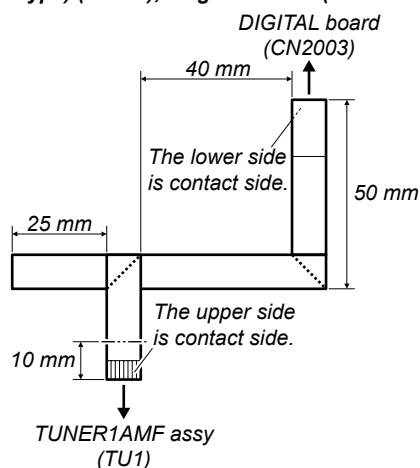
Note: Wire (flat type) for service is no tape paste.



- wire (flat type) (11 core), length 70 mm (Ref. No. FFC3)



- wire (flat type) (9 core), length 200 mm (Ref. No. FFC4)



SECTION 3 TEST MODE

TUNER AM STEP CHANGE MODE

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 [INPUT 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.

AM 9k Step

or

AM10k 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.

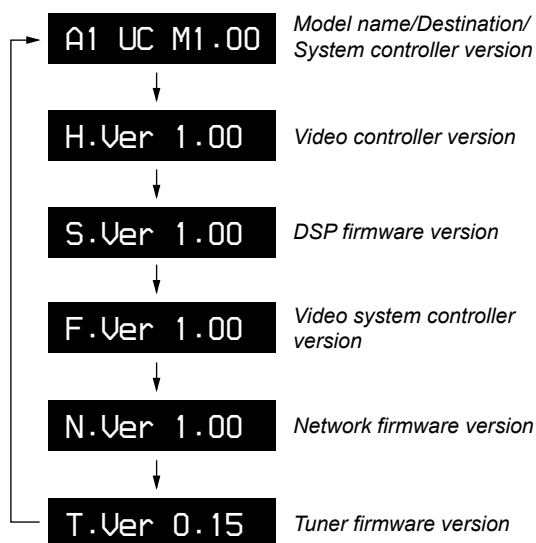
S.F. CLEAR

SOFTWARE VERSION DISPLAY MODE

The software version is displayed.

Procedure:

1. While pressing the [INPUT MODE] and [DISPLAY MODE] buttons, press the [I/⏻] button to turn on the main power.
2. The model name/destination/system controller version appears. Each time the [DISPLAY MODE] button is pressed, the version is switched in order as follows.
(Displayed characters/values in the following figure are example)



Releasing method:

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

HISTORY MODE

The state that the set is used is memorized.

Note: Even if “USER INITIALIZE MODE” is performed, the backup data of “HISTORY MODE” is not cleared.

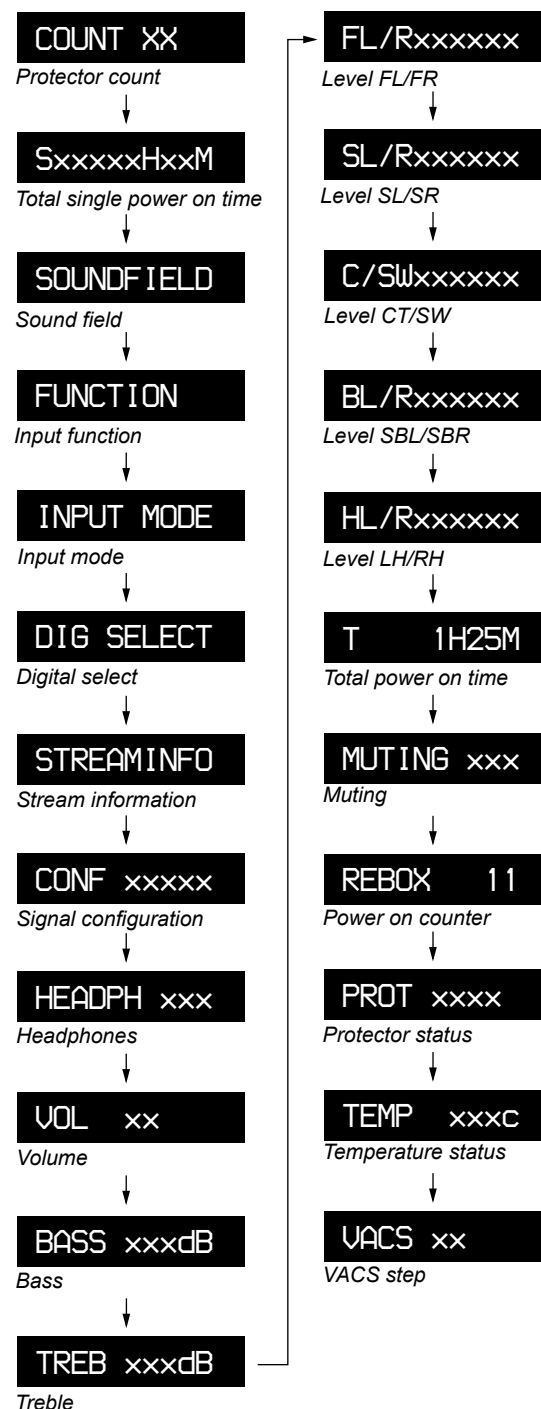
Initialize by performing “SHIPMENT MODE”.

Procedure:

1. While pressing the [TONE MODE] and [MUSIC] buttons, press the [I/⏻] button to turn on the power and “HISTORY” is displayed.

HISTORY

2. Each time the [↑] or [↓] buttons of remote commander is pressed, the item is switched in order as follows.
(Displayed characters/values in the following figure are example)



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 [INPUT MODE] and [DIMMER] buttons, press the [I/⏻] button to turn on the main power.
2. The message “CLEARING” and “CLEARED !” appears and return to state of the shipment.

CLEARING



CLEARED !

3. When done, the message “STANDBY” appears and turn off the main power.

STANDBY

**PROTECTOR AUTO OFF MODE**

The auto off function after protection generating can be disabled.

Procedure:

1. While pressing the [TONE MODE] and [A.F.D.] buttons, press the [I/⏻] button to turn on the main power.
2. The message “PROTEVER” appears and the auto off function after protection generating is disabled.

PROTEVER

Releasing method:

Pull out the AC power cord.

USER INITIALIZE MODE

This unit can be returned to the factory default settings.

Procedure:

1. Hold down the [I/⏻] button for over five second to turn on the main power.
2. The message “CLEARING” and “CLEARED !” appears and this unit can be returned to the factory default settings.

CLEARING



CLEARED !

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 “S. LOCK ON” appears and the all settings is locked.

S. LOCK ON

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 “S. LOCK OFF” appears and the all settings is unlocked.

S. LOCK OFF

USB UPDATE MODE

This mode is guided by the technical news, when update occurs.

USB UPDATE VERSION

This mode is guided by the technical news, when update occurs.

SOFTWARE VERSION DISPLAY MODE (IN SPECIAL MENU MODE)

The software version is displayed.

Procedure:

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 “SPECIALIZE” appears.

SPECIALIZE

3. Press the [AMP MENU] button of the remote commander, the message “< SPECIAL >” appears.

< SPECIAL >

4. Press the [➡] button of the remote commander, the item is appears.

VERSION

5. Confirm that the “VERSION” is displayed, and press the [➡] button of the remote commander.
6. The model name/destination/system controller version appears. Each time the [↑]/[↓] buttons are pressed, the version is switched in order as follows.
(Displayed characters/values in the following figure are example)

A1 UC M1.00

*Model name/Destination/
System controller version*



H.Ver 1.00

Video controller version



S.Ver 1.00

DSP firmware version



F.Ver 1.00

*Video system controller
version*



N.Ver 1.00

Network firmware version



T.Ver 0.15

Tuner firmware version

Releasing method:

1. Press the [←] button of the remote commander, the item is appears.
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 “OFF” appears.

OFF

AUTO CAL MIC TEST MODE (IN SPECIAL MENU MODE)

The auto calibration microphone input can be outputted from the speaker.

Procedure:

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 “SPECIALIZE” appears.

SPECIALIZE

3. Press the [AMP MENU] button of the remote commander, the message “< SPECIAL >” appears.

< SPECIAL >

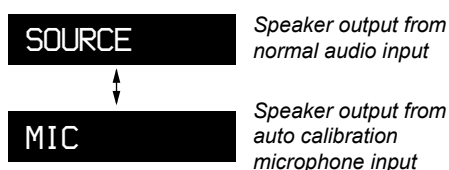
4. Press the [➡] button of the remote commander, the item is appears.

VERSION

5. Press the [↑]/[↓] buttons to select the “SP OUT”, and press the [➡] button of the remote commander.

SP OUT

6. The output source from a speaker is displayed. Each time the [↑]/[↓] buttons are pressed, the output source is switched as follows.

**Releasing method:**

1. Press the [←] button of the remote commander, the item is appears.
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 “OFF” appears.

OFF

FL FONT CHECK MODE (IN SPECIAL MENU MODE)

All the fonts which can be displayed can be checked.

Procedure:

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 “SPECIALIZE” appears.

SPECIALIZE

3. Press the [AMP MENU] button of the remote commander, the message “< SPECIAL >” appears.

< SPECIAL >

4. Press the [➡] button of the remote commander, the item is appears.

VERSION

5. Press the [↑]/[↓] buttons to select the “FL FONT”, and press the [➡] button of the remote commander.

FL FONT

6. The font is displayed. Each time the [↑]/[↓] buttons are pressed, the font is switched.
(Displayed characters/values in the following figure are example)

0x21 = !

Releasing method:

1. Press the [←] button of the remote commander, the item is appears.
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 “OFF” appears.

OFF

SECTION 4

ELECTRICAL ADJUSTMENTS

VIDEO CALIBRATION ADJUSTMENT

Adjustment to decide the standard of the video input signal.

Note: After replacing the D-VIDEO NW 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.

2. Preparation

In order to perform adjustment, you must perform the super reset in special menu mode.

Refer to the following procedure.

Procedure:

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 "SPECIALIZE" appears.

SPECIALIZE

3. Press the [AMP MENU] button of the remote commander, the message "< SPECIAL >" appears.

< SPECIAL >

4. Press the [→] button of the remote commander, the item is appears.

VERSION

5. Press the [↑]/[↓] buttons to select the "RESET", and press the [→] button of the remote commander.

RESET

6. Press the [↑]/[↓] buttons to select the "YES", and press the [⊕] button of the remote commander.

YES

7. The message "ROM INIT" and "CLEARD *" appears.

ROM INIT

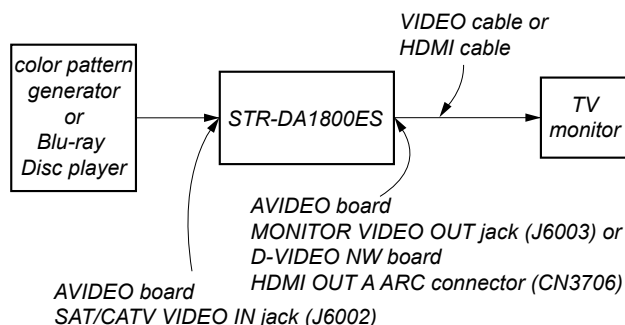


CLEARED *

8. The super reset is completed.

3. Video calibration adjustment

3-1. Connection



3-2. Procedure for color pattern generator

Ensure GUI mode is turned off. Press GUI mode on remote until GUI OFF is shown on the fluorescent indicator tube.

Procedure:

1. It connects of step 3-1, and the turn on the main power.
2. "SAT/CATV" is selected by using [INPUT SELECTOR] dial.
3. Input NTSC color bars signal from the color pattern generator.
4. Press the [I/⏻] button to turn off the main power.
5. While pressing the [MOVIE (HD-D.C.S.)] and [SPEAKERS (OFF/A/B/A+B)] buttons, press the [I/⏻] button to turn on the main power. When correctly entering the test mode "FIN : : " and "N:MWx _ _ _ _ " are displayed in 1 second interval (alternating display).
6. The NTSC signal adjustment is begun when press the [⊕] button of the remote commander, and the display changes from "N:MWx _ _ _ _ " to "N:MWoCDV _ _ " little by little. Finally, "FIN N: : " and "N: MWoCDV _ _ " are displayed in 1 second interval (alternating display).
7. Input PAL color bars signal from the color pattern generator.
8. Perform step 6 to 7 for the PAL signal adjustment.
9. Input HD color bars signal (720p or 1080i) from the color pattern generator.
10. Perform step 6 to 7 for the HD signal adjustment.
11. Turn off the main power.

3-3. Procedure for Blu-ray Disc player

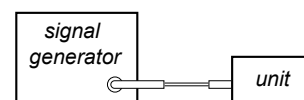
Ensure GUI mode is turned off. Press GUI mode on remote until GUI OFF is shown on the fluorescent indicator tube.

Procedure:

1. It connects of step 3-1, and the turn on the main power of set and Blu-ray Disc player.
2. "SAT/CATV" 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. Press the [I/⏻] button to turn off the main power.
6. While pressing the [MOVIE (HD-D.C.S.)] and [SPEAKERS (OFF/A/B/A+B)] buttons, press the [I/⏻] button to turn on the main power. When correctly entering the test mode "FIN : : " and "N:MWx _ _ _ _ " are displayed in 1 second interval (alternating display).
7. The NTSC signal adjustment is begun when press the [⊕] button of the remote commander, and the display changes from "N:MWx _ _ _ _ " to "N:MWoCDV _ _ " little by little. Finally, "FIN N: : " and "N: MWoCDV _ _ " are displayed in 1 second interval (alternating display).

8. 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.
9. "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.
10. The PAL signal adjustment is begun when press the [⊕] button of remote commander. Finally, "FIN N:P:_" and "P:MWoCDV_ _" are displayed in 1 second interval (alternating display).
11. 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.
12. "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.
13. 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)
14. The HD signal adjustment is begun when press the [⊕] button of remote commander. Finally, the display returns to the display of "FIN N:P:H".
15. 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.

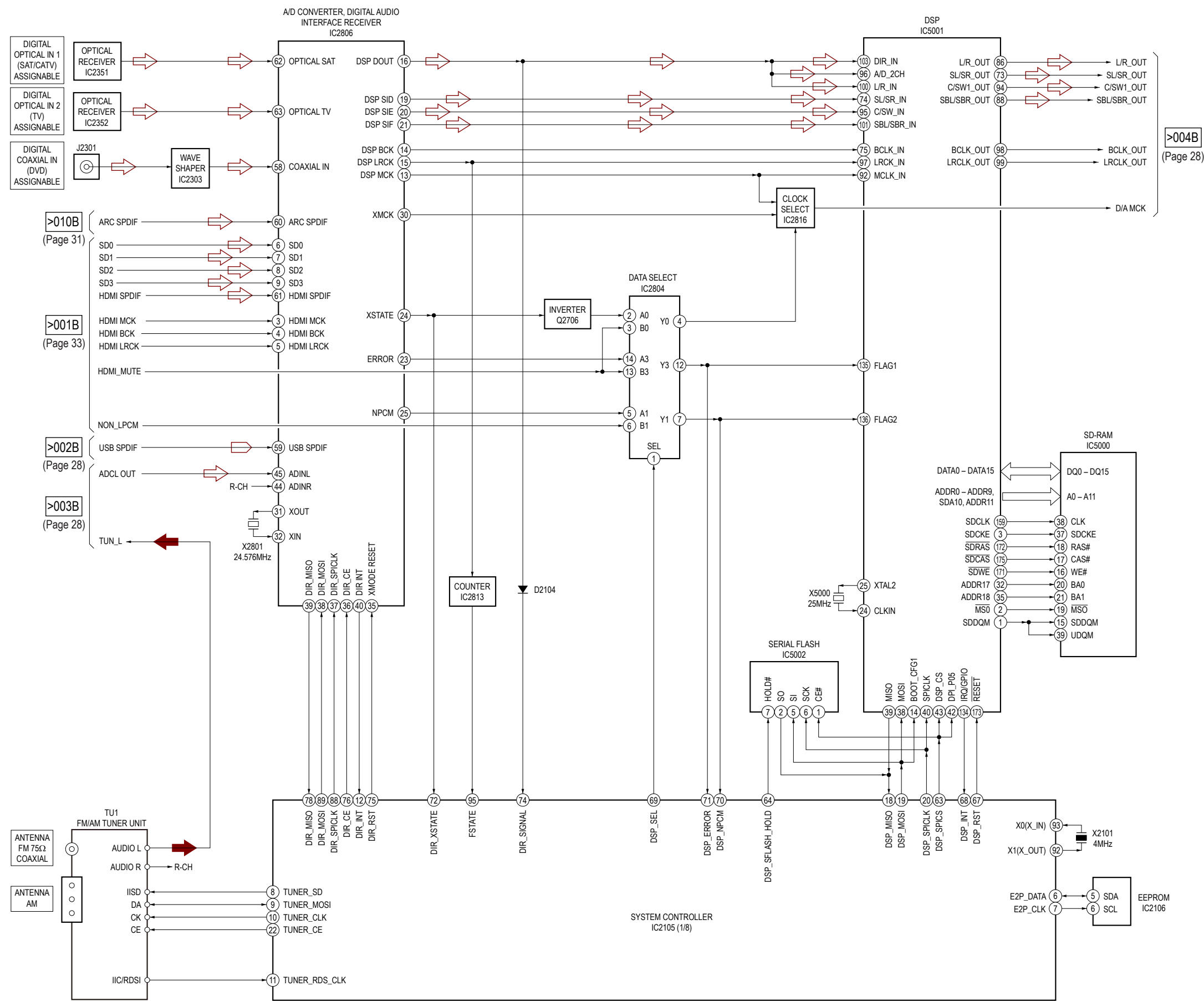
3. Set to FM tuner function and scan the input FM signal with automatic scanning.
4. Confirm that input frequency of A, B and C are detected and automatic scanning stops.

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

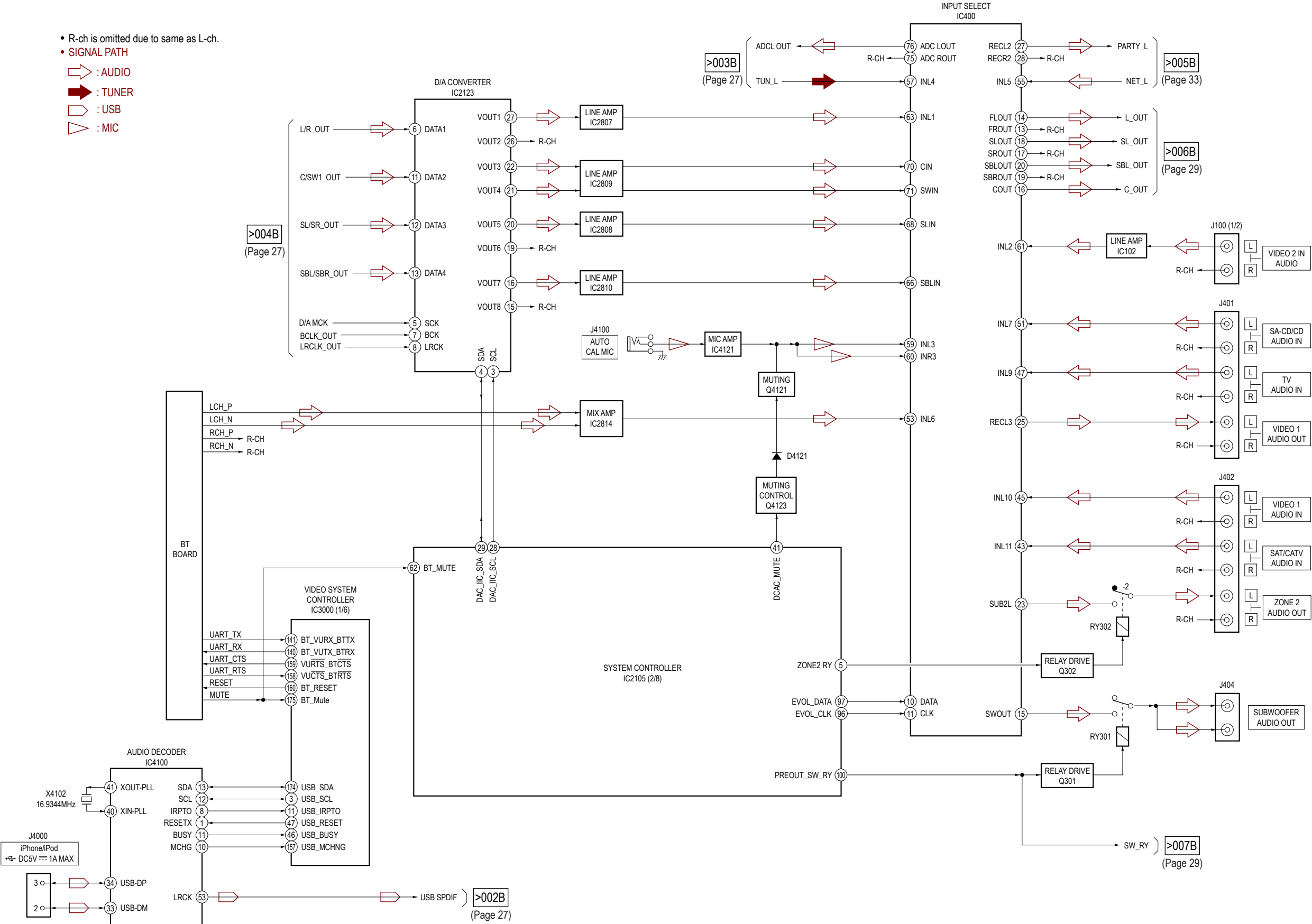
MEMO

SECTION 5
DIAGRAMS

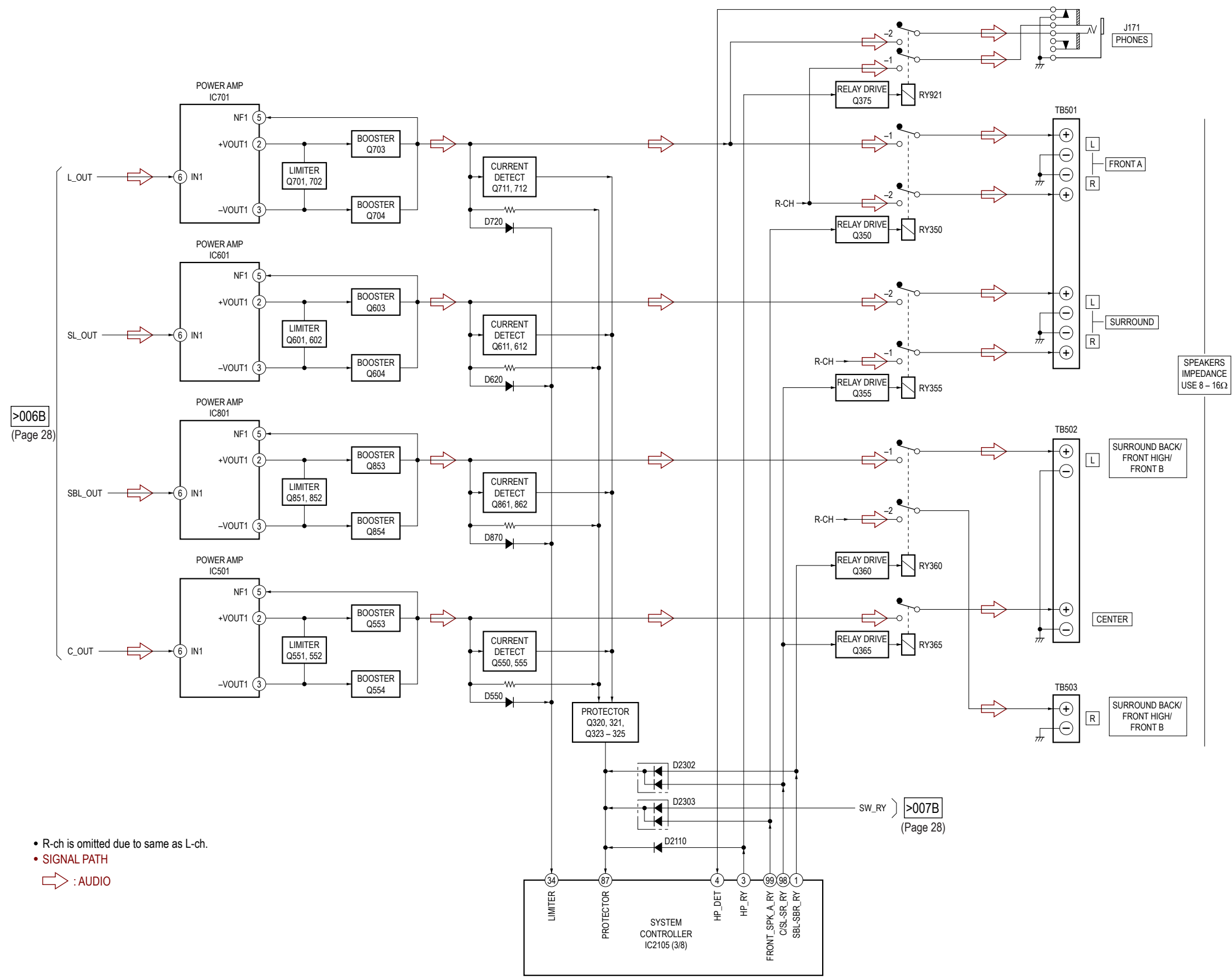
5-1. BLOCK DIAGRAM - DIGITAL AUDIO Section -



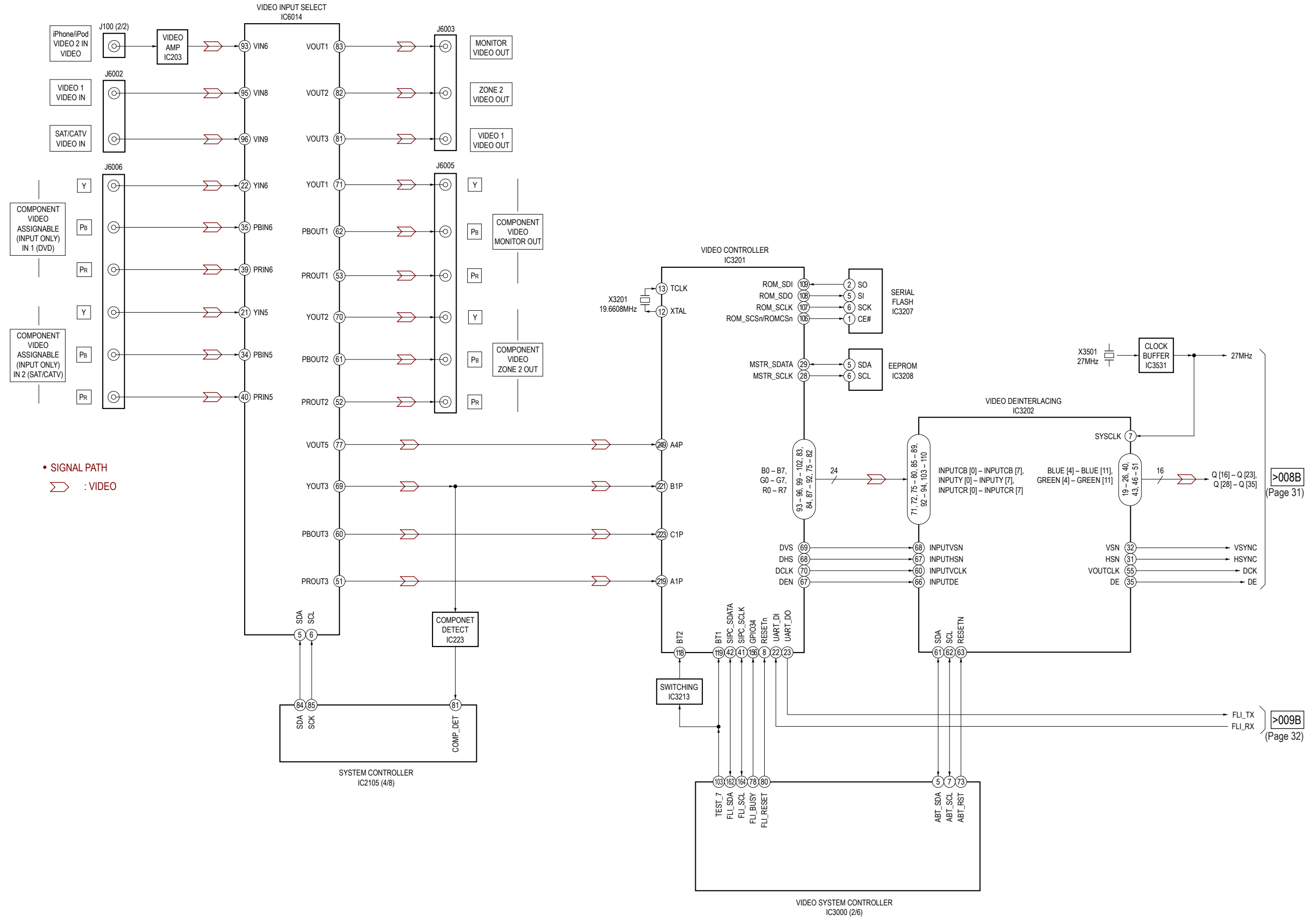
5-2. BLOCK DIAGRAM - ANALOG AUDIO, USB Section -



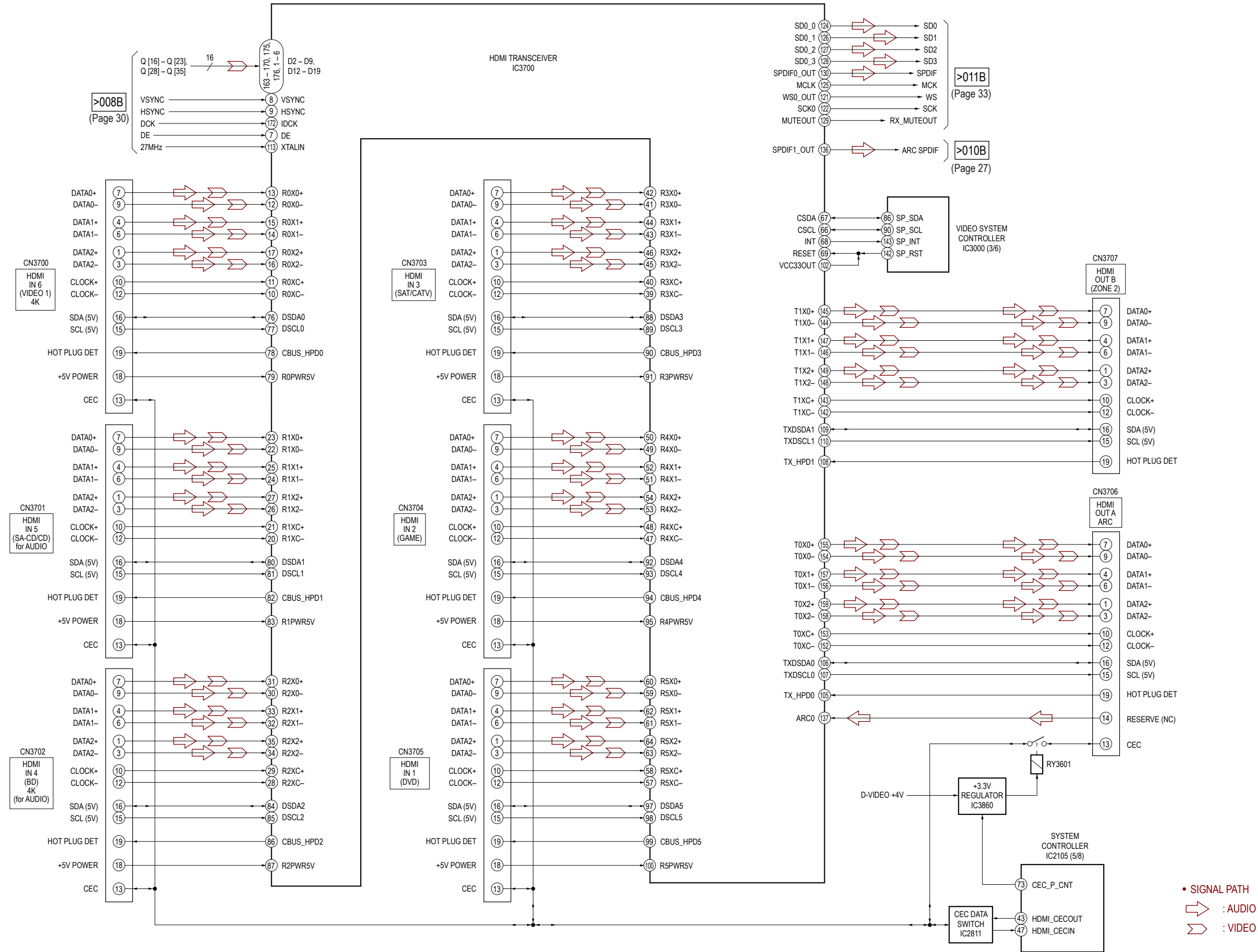
5-3. BLOCK DIAGRAM - AMP Section -



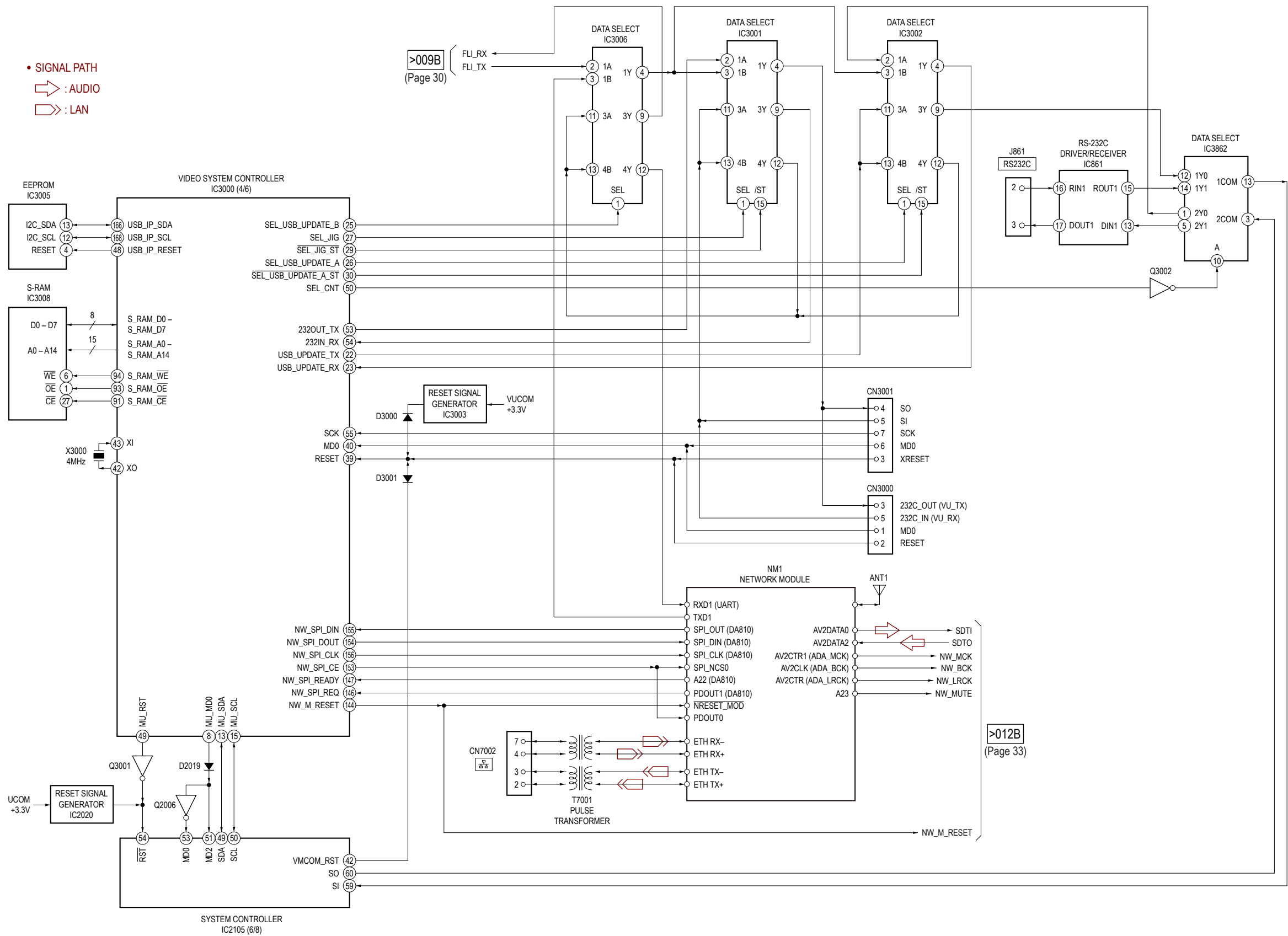
5-4. BLOCK DIAGRAM - VIDEO Section -



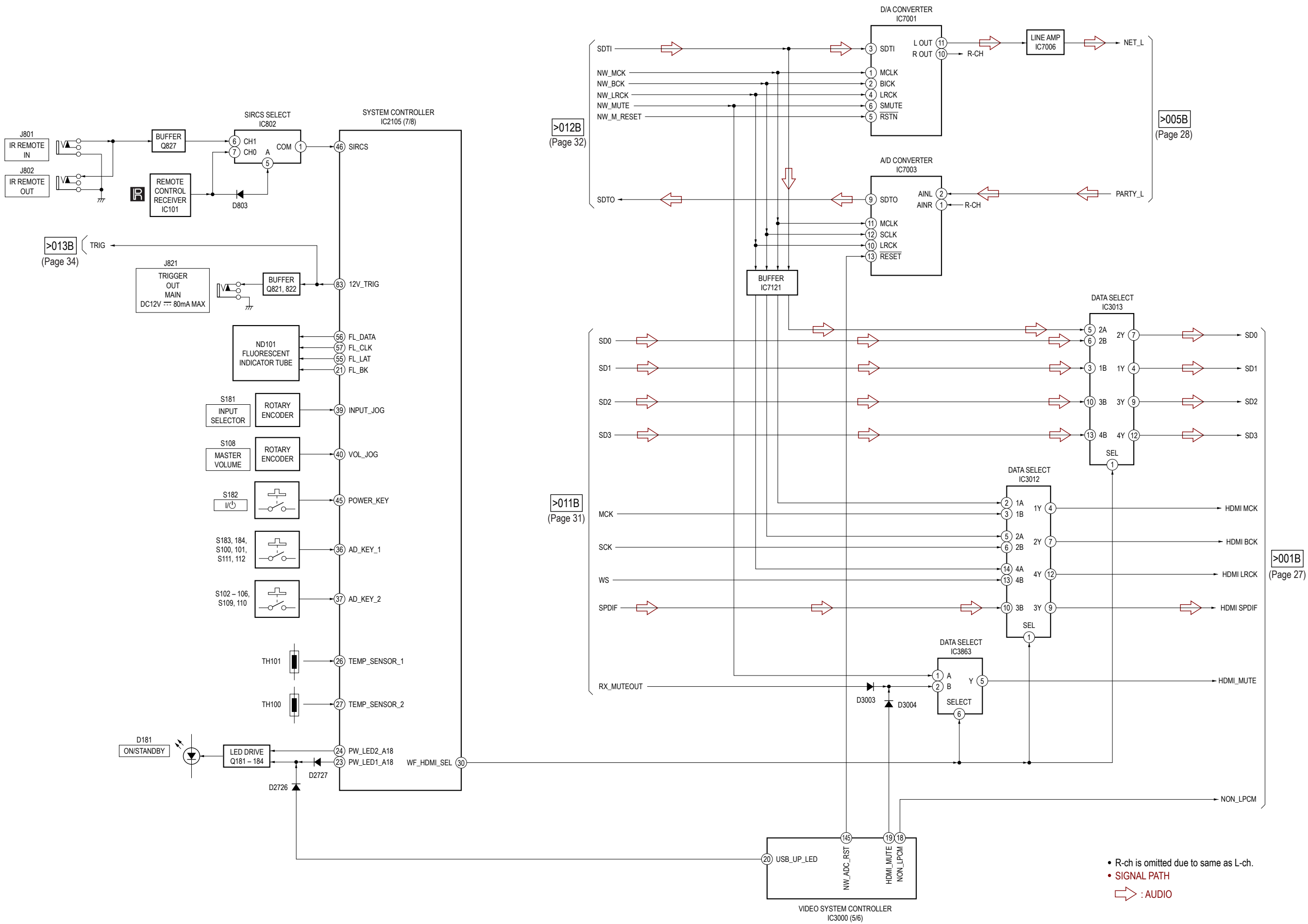
5-5. BLOCK DIAGRAM - HDMI Section -



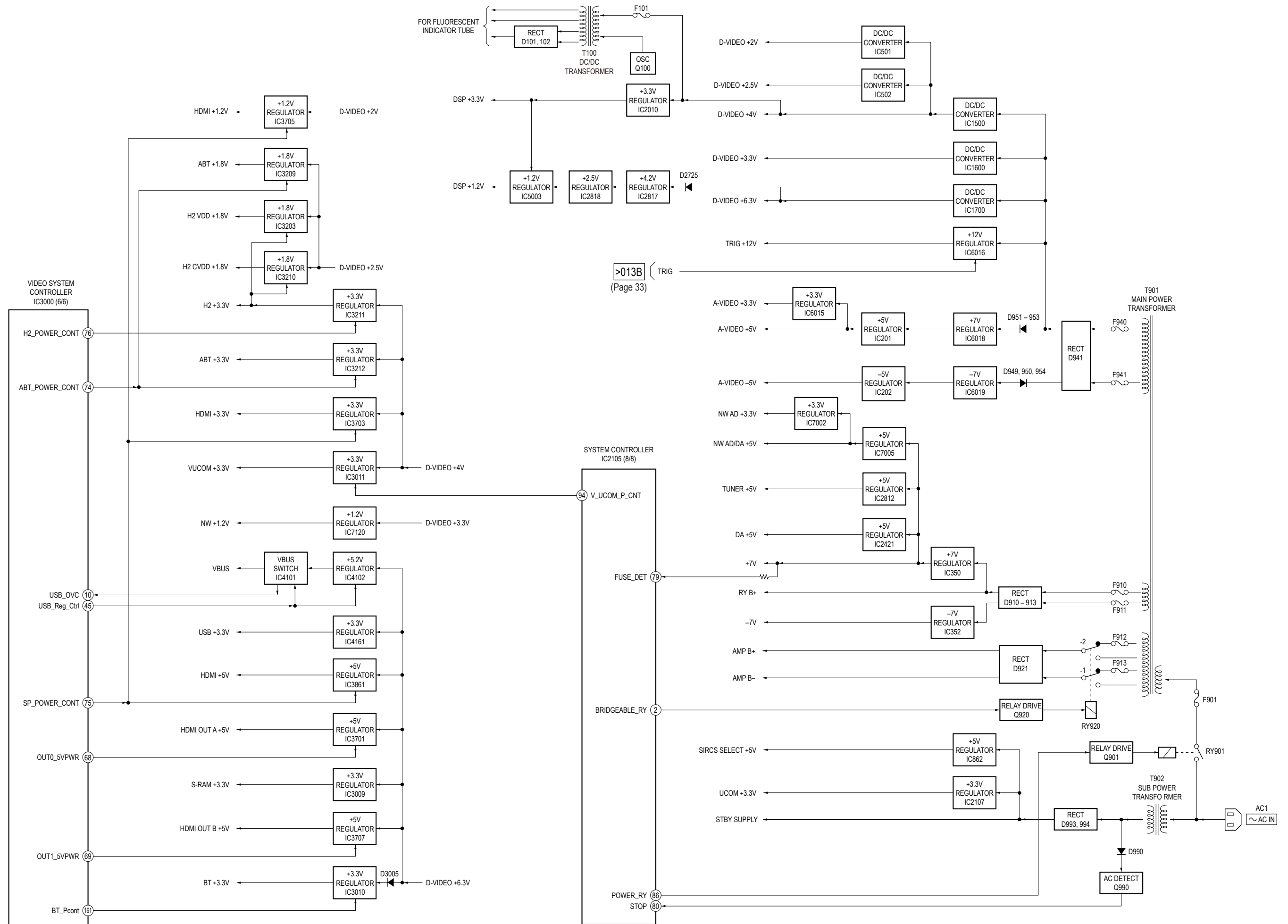
5-6. BLOCK DIAGRAM - NETWORK Section -



5-7. BLOCK DIAGRAM - PANEL, A/D CONVERTER, D/A CONVERTER Section -



34



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

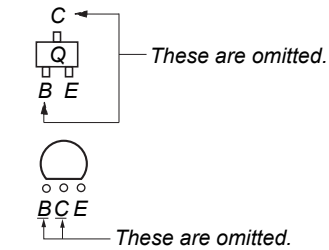
For Printed Wiring Boards.

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

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

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

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



Note: When replacing the D-VIDEO NW board, refer to "CHECKING METHOD OF NETWORK OPERATION" on 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.

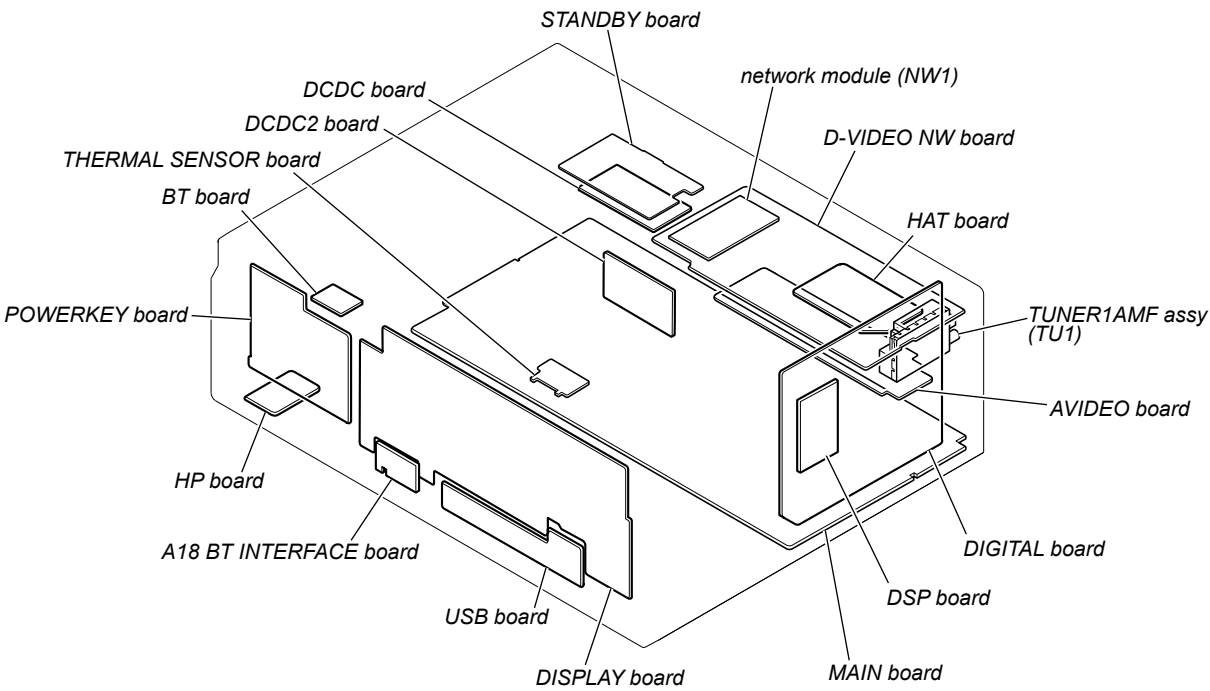
Note:
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

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

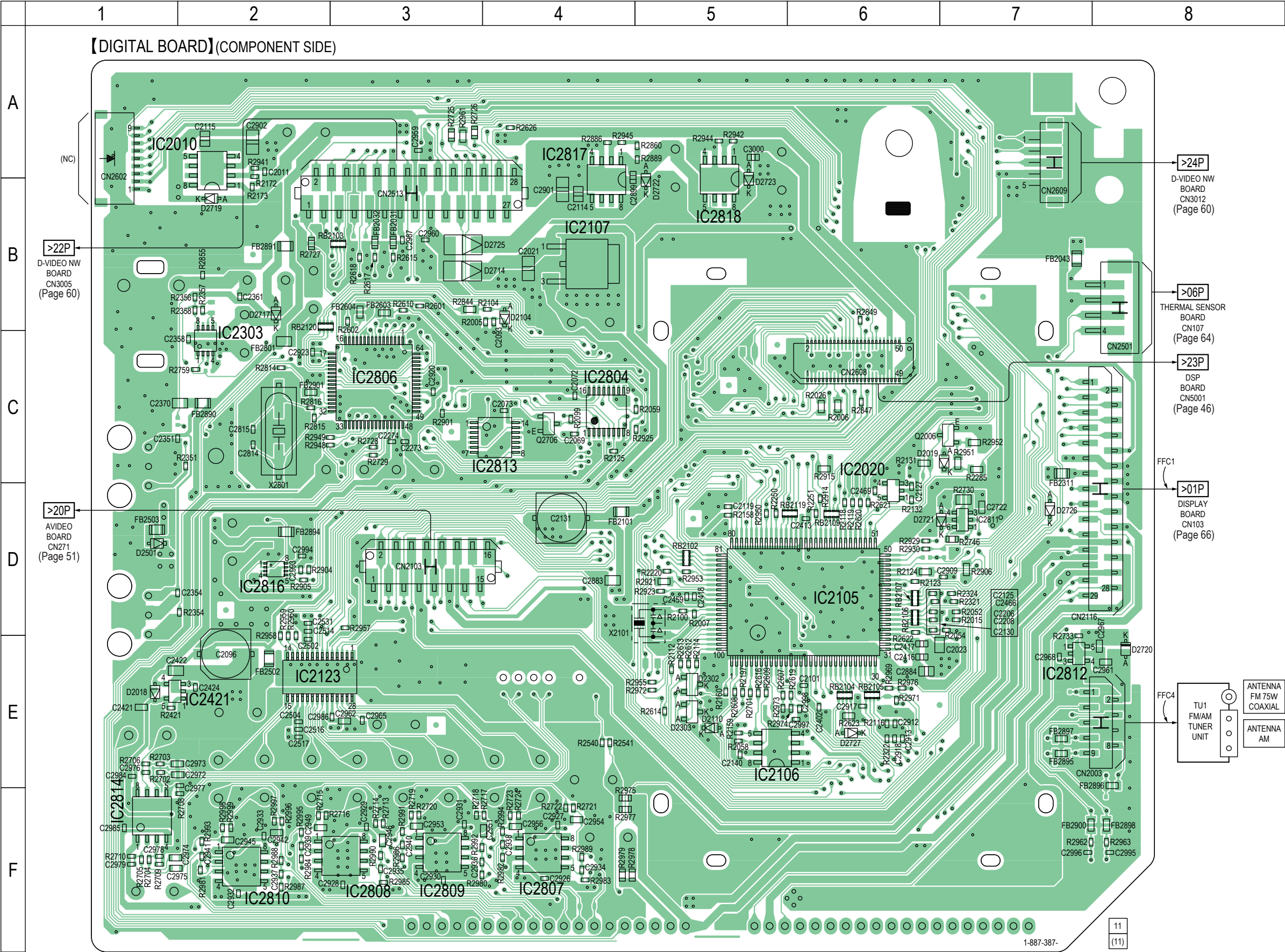
- : B+ Line.
- - -: B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark: TUNER
- Voltages are taken with VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - : AUDIO
 - : TUNER
 - : USB
 - : LAN
 - : MIC
 - : VIDEO

Note: When replacing the D-VIDEO NW board, refer to "CHECKING METHOD OF NETWORK OPERATION" on page 5.

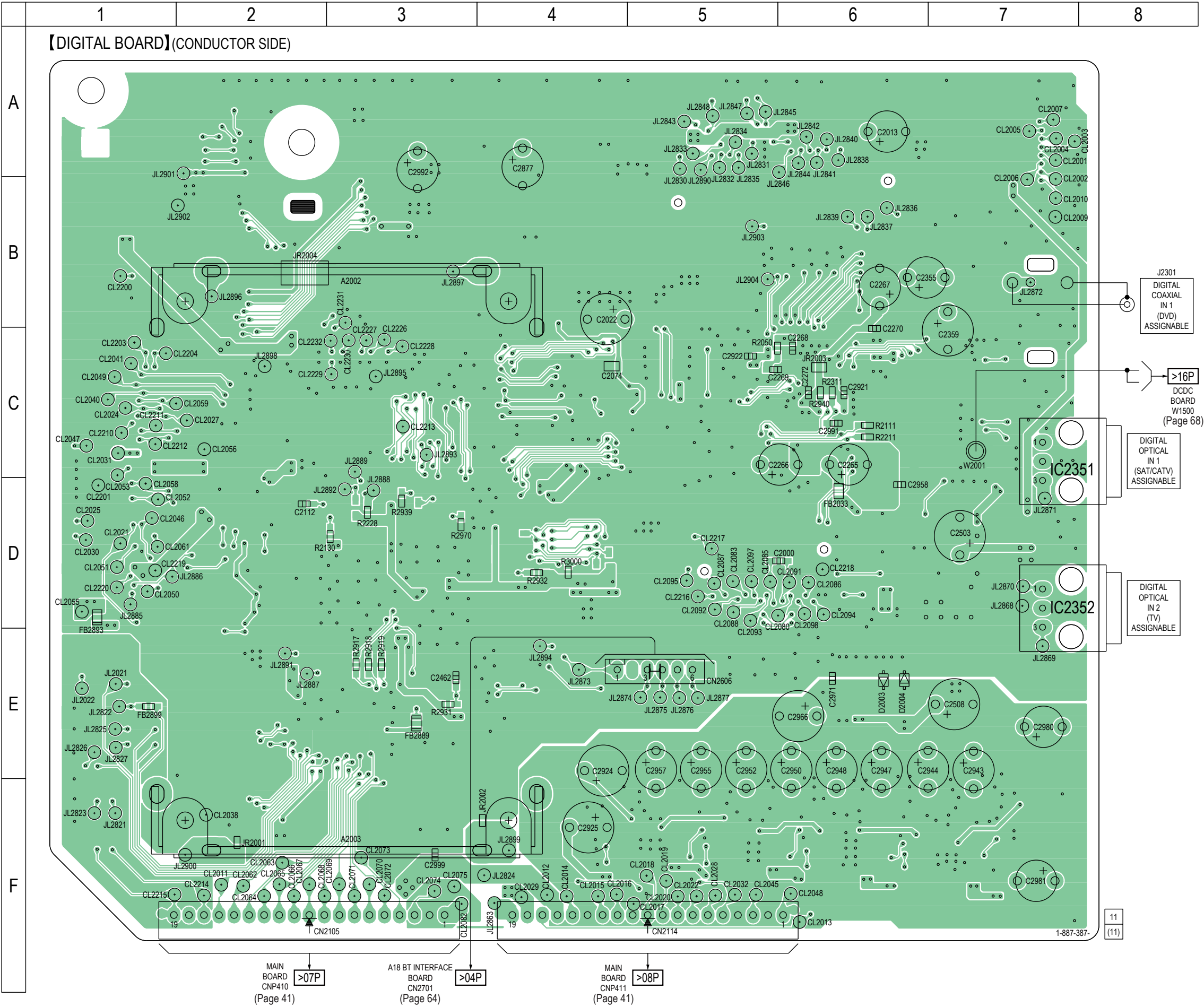
• Circuit Boards Location



5-9. PRINTED WIRING BOARD - DIGITAL Board (Component Side) - • See page 35 for Circuit Boards Location. •  : Uses unleaded solder.

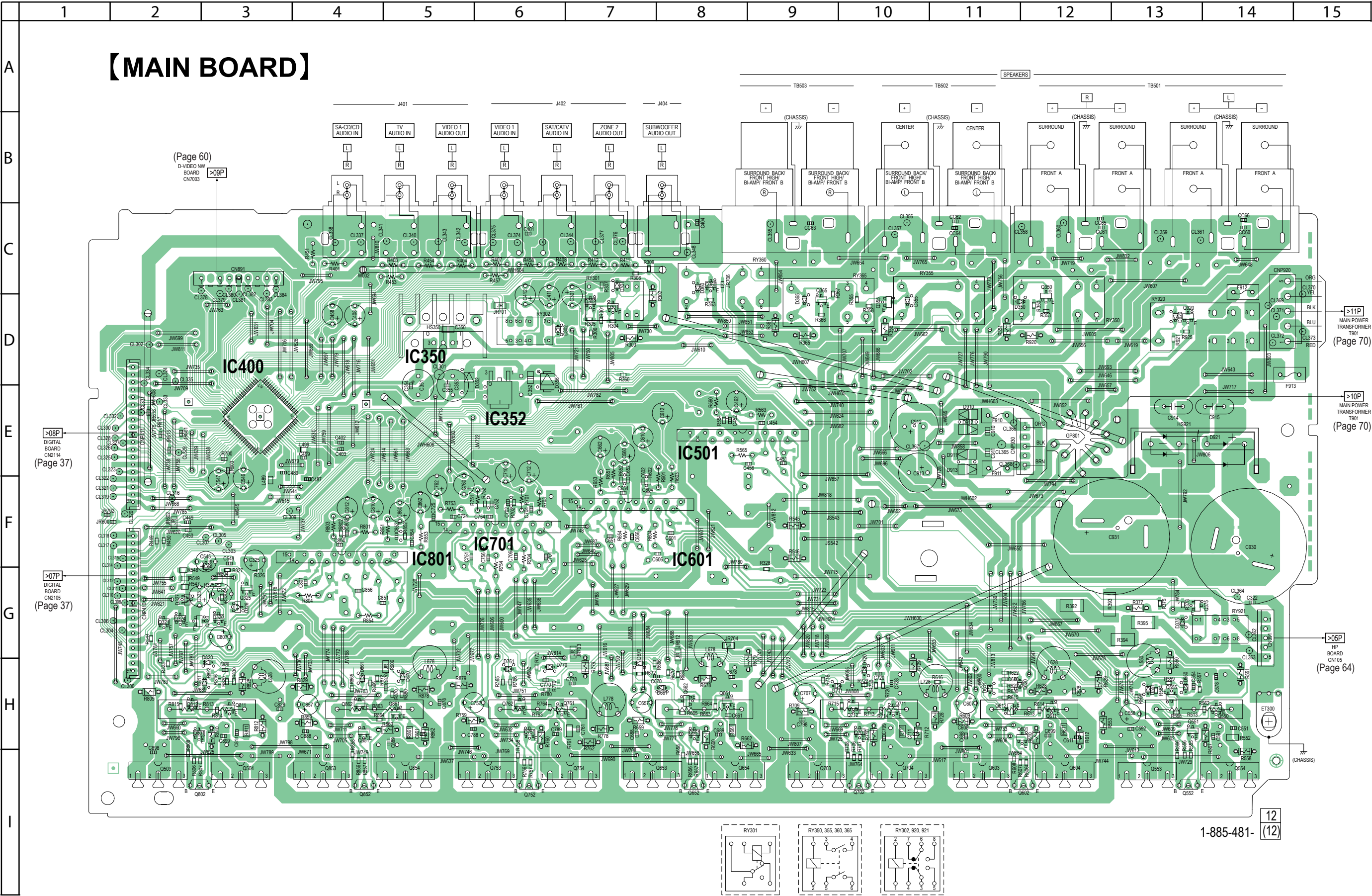


5-10. PRINTED WIRING BOARD - DIGITAL Board (Conductor Side) - • See page 35 for Circuit Boards Location. • : Uses unleaded solder.



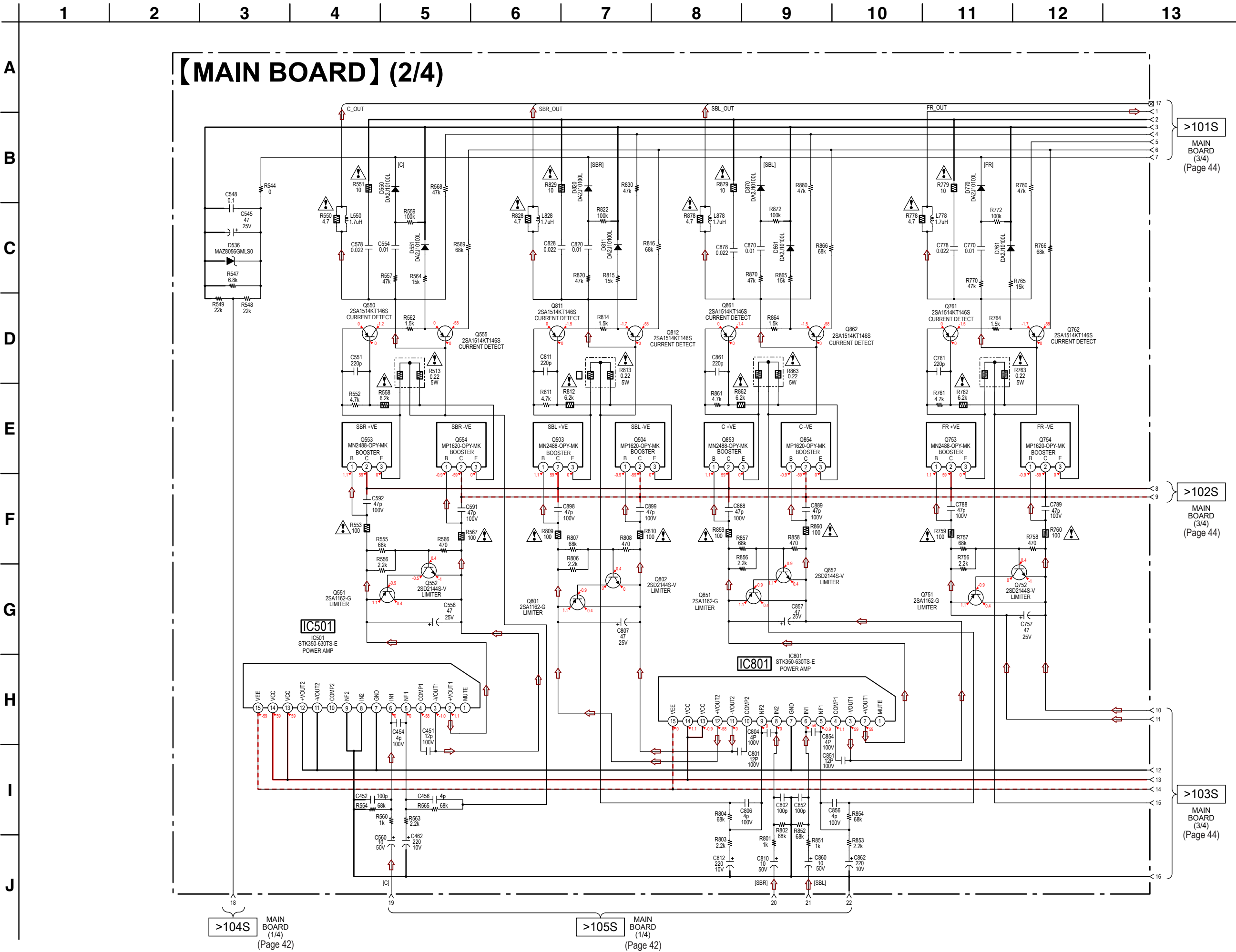


5-14. PRINTED WIRING BOARD - MAIN Board - • See page 35 for Circuit Boards Location. • : Uses unleaded solder.

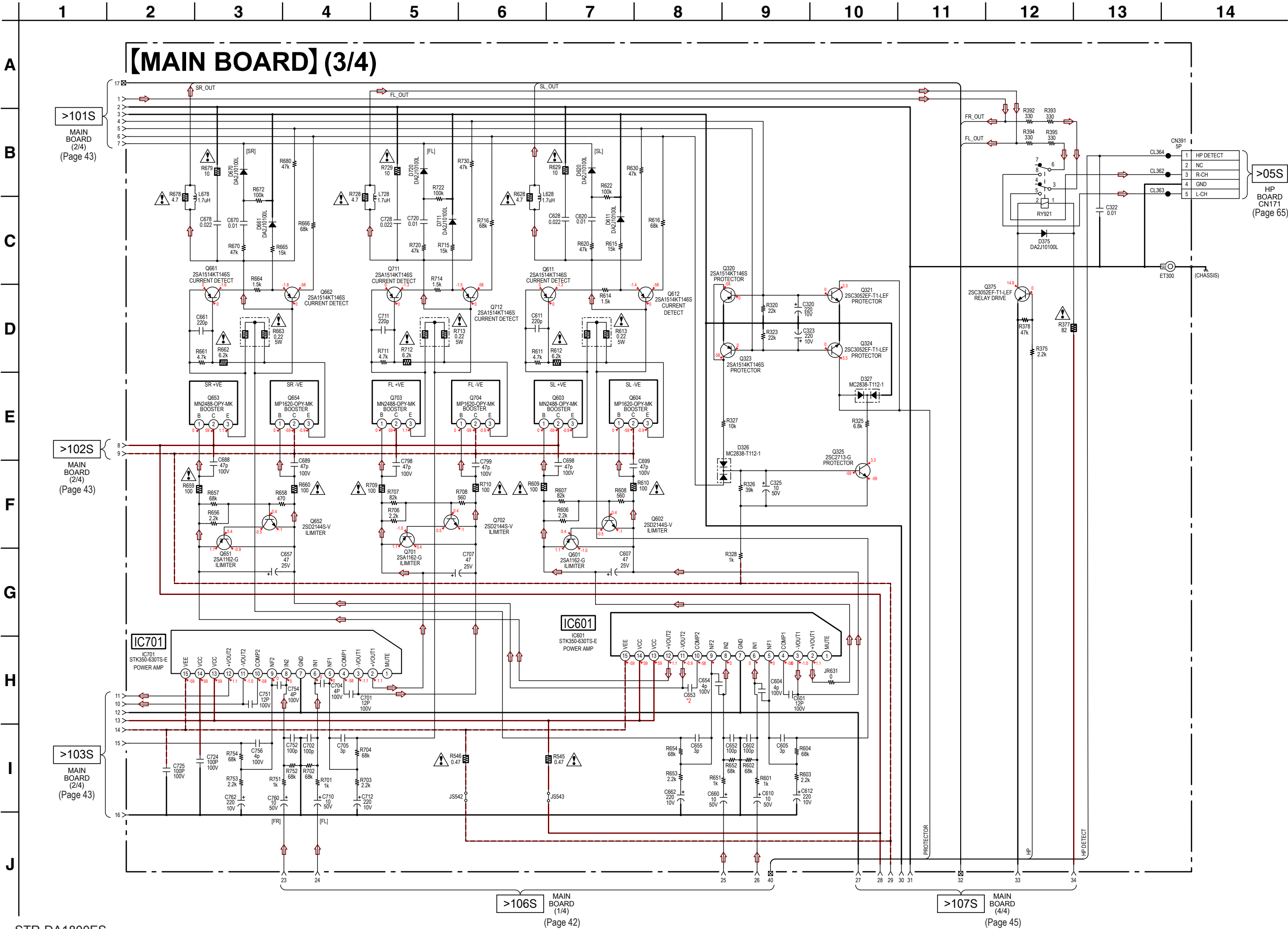




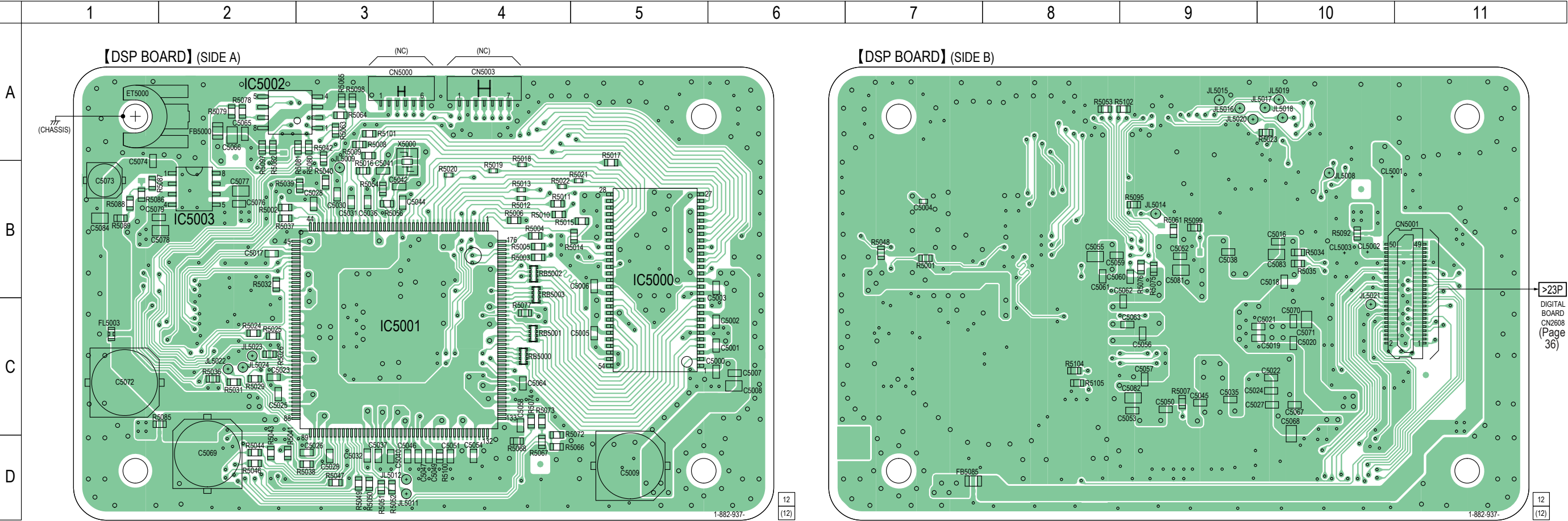
5-16. SCHEMATIC DIAGRAM - MAIN Board (2/4) - • See page 72 for IC Block Diagrams.



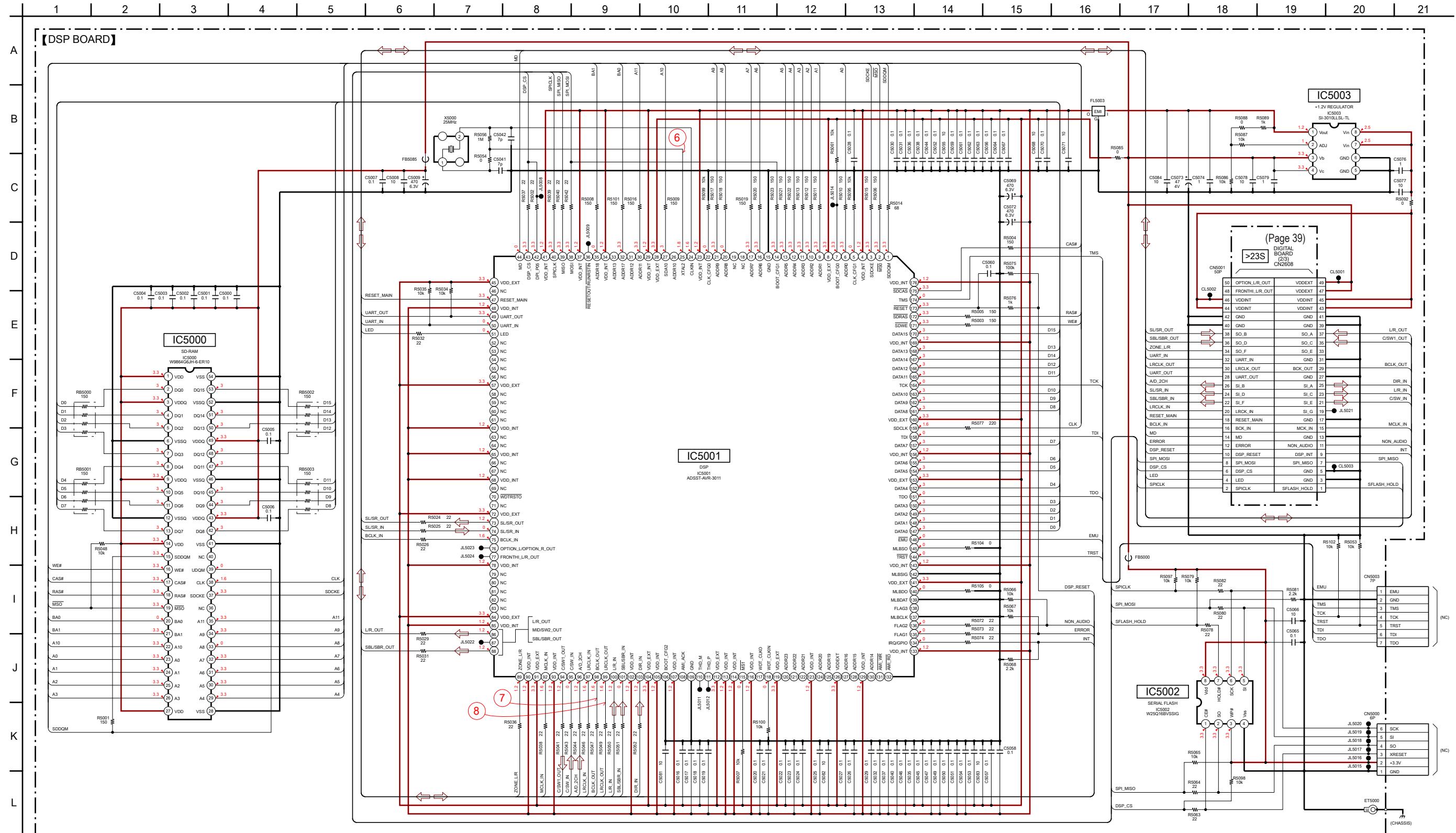
5-17. SCHEMATIC DIAGRAM - MAIN Board (3/4) - • See page 72 for IC Block Diagrams.



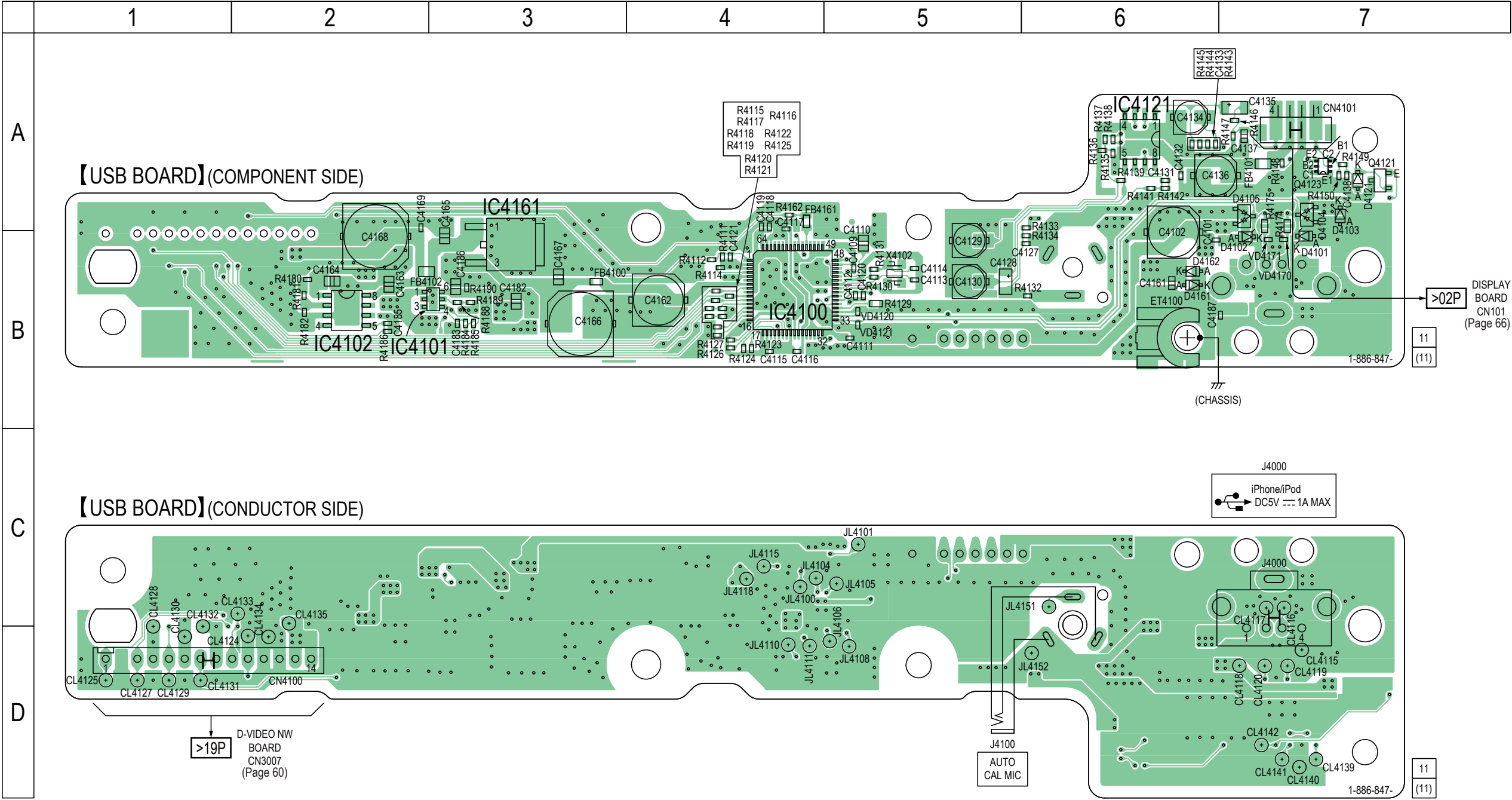
5-19. PRINTED WIRING BOARD - DSP Board - • See page 35 for Circuit Boards Location. •  : Uses unleaded solder.



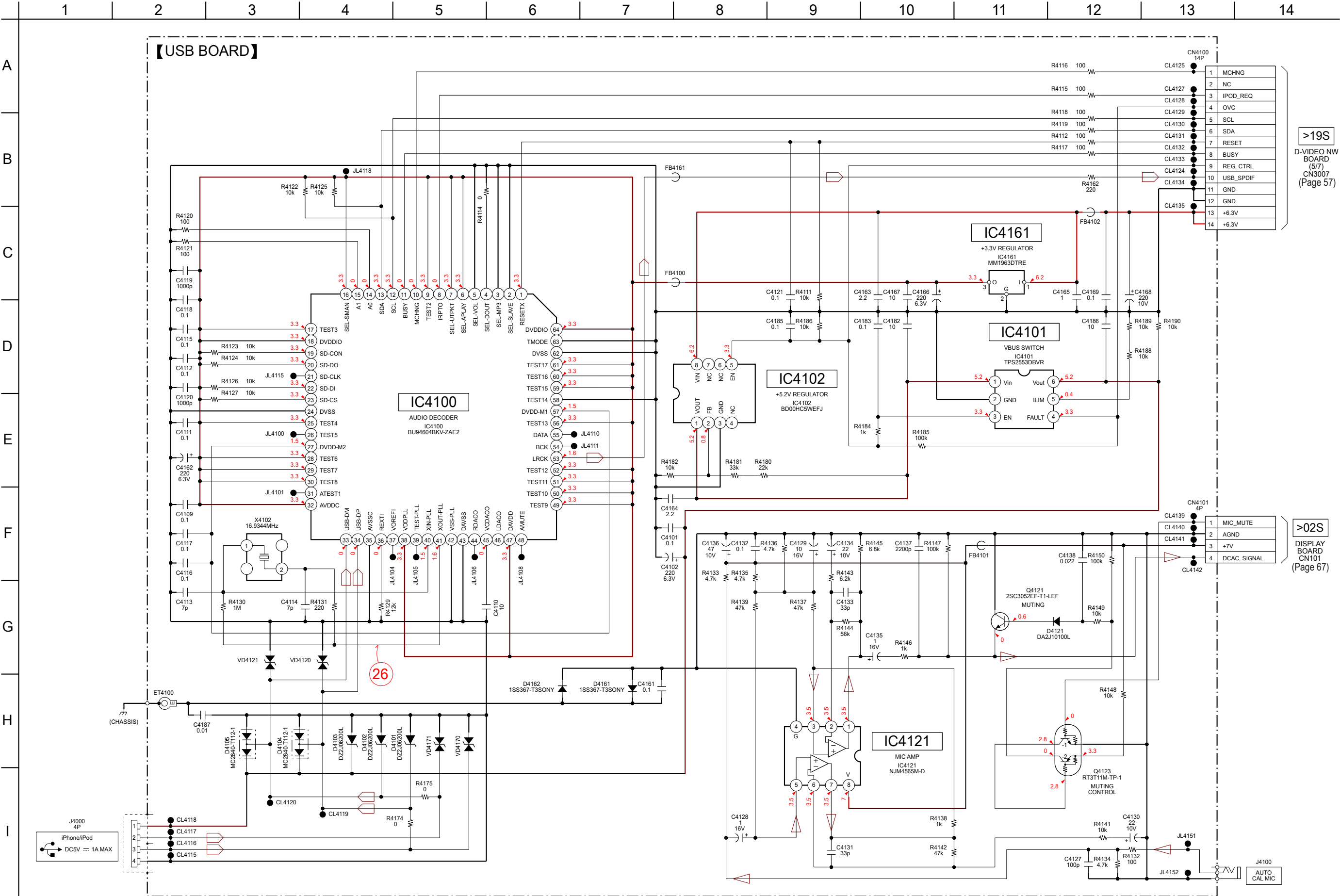
5-20. SCHEMATIC DIAGRAM - DSP Board - • See page 71 for Waveforms. • See page 72 for IC Block Diagrams. • See page 82 for IC Pin Function Description.



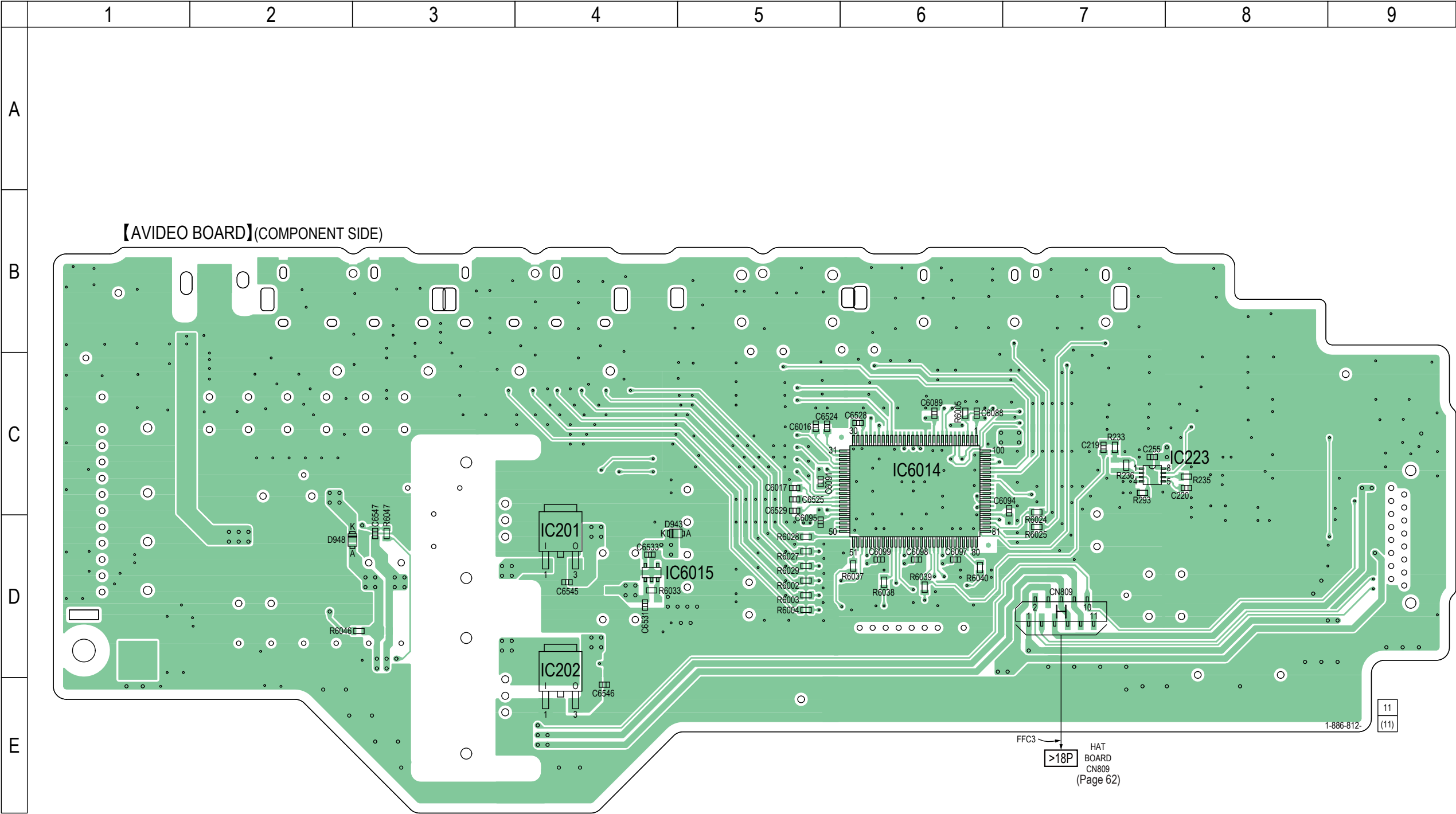
5-21. PRINTED WIRING BOARD - USB Board - • See page 35 for Circuit Boards Location. •  : Uses unleaded solder.



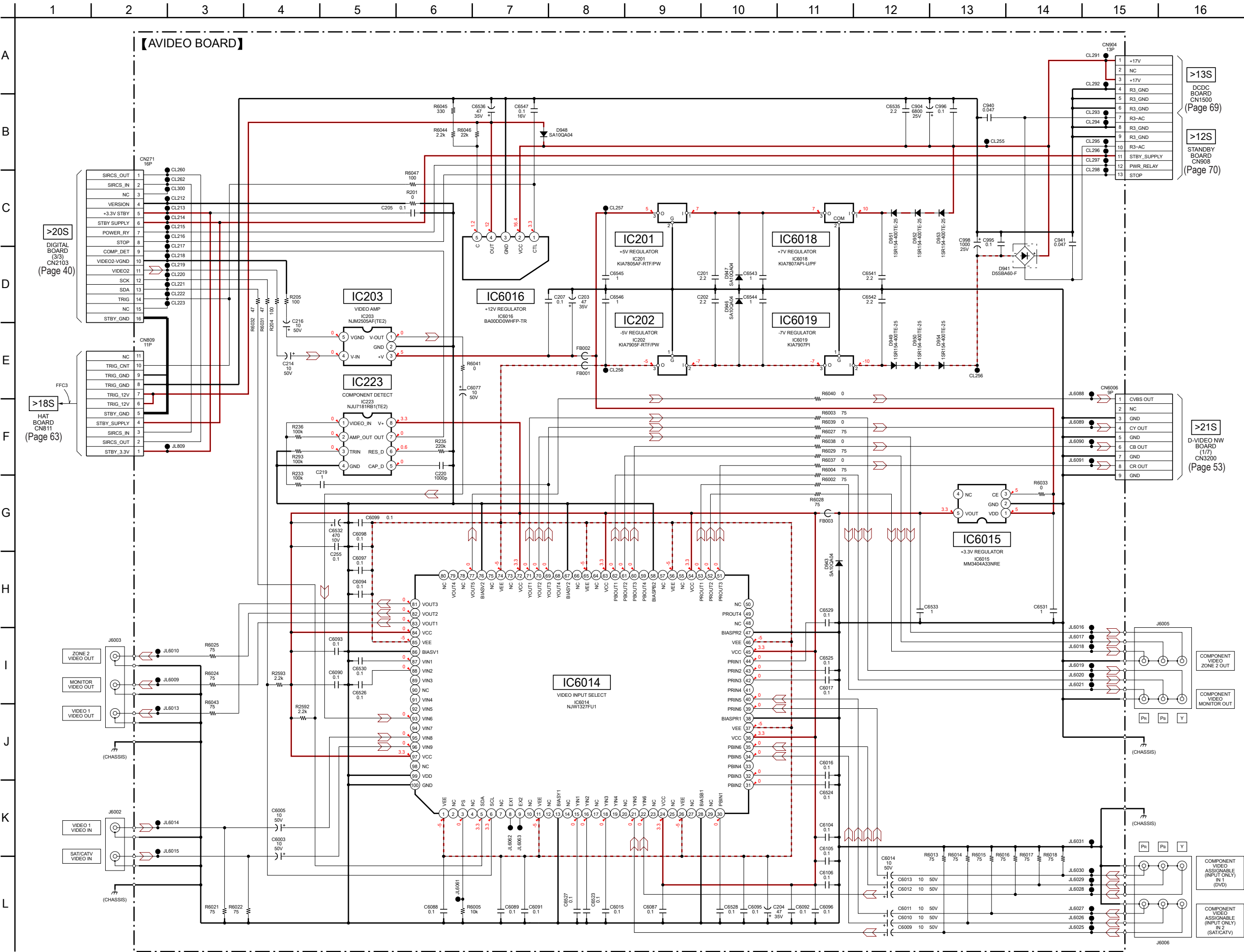
5-22. SCHEMATIC DIAGRAM - USB Board - • See page 71 for Waveforms. • See page 72 for IC Block Diagrams. • See page 82 for IC Pin Function Description.



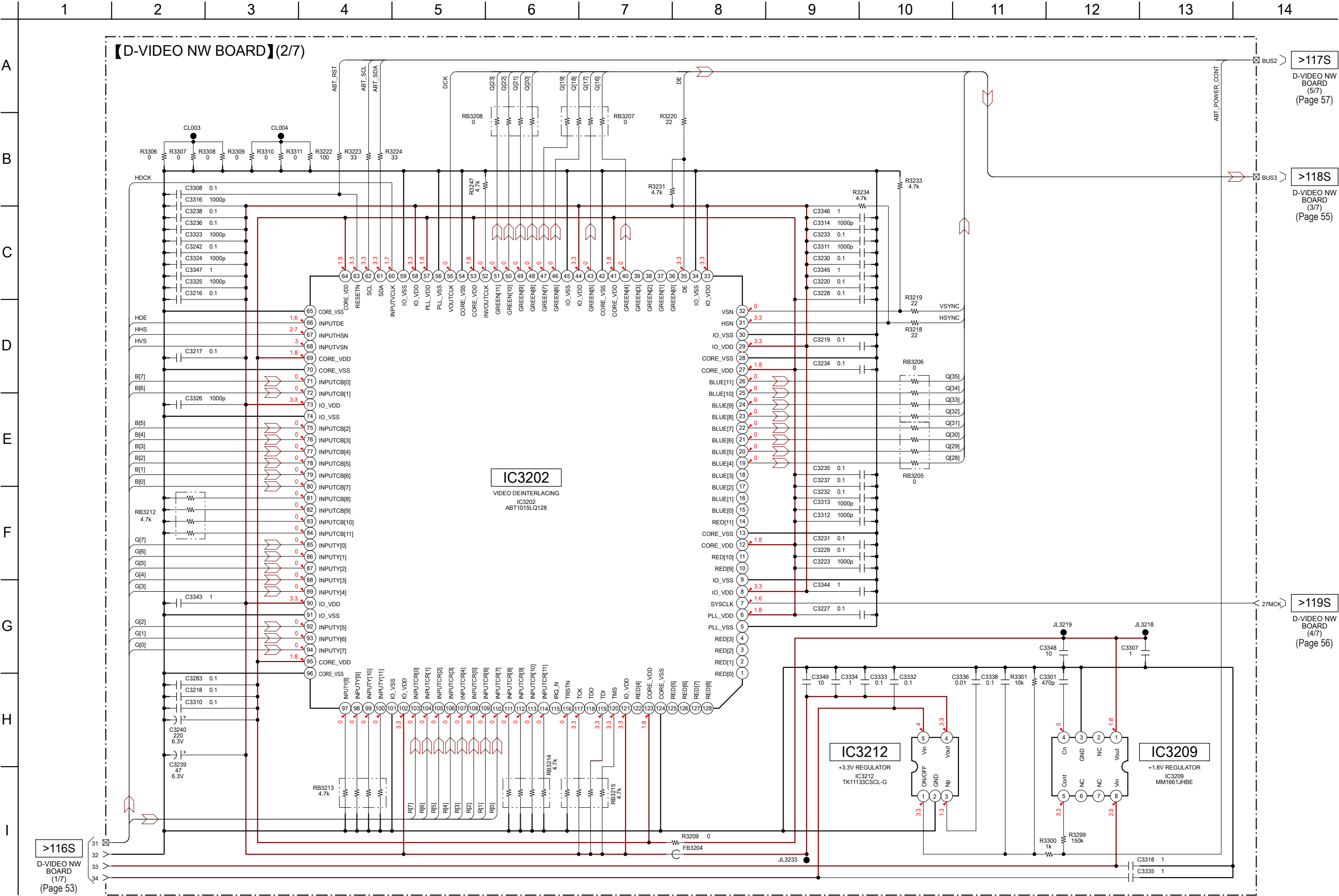
5-23. PRINTED WIRING BOARD - AVIDEO Board (Component Side) - • See page 35 for Circuit Boards Location. •  : Uses unleaded solder.



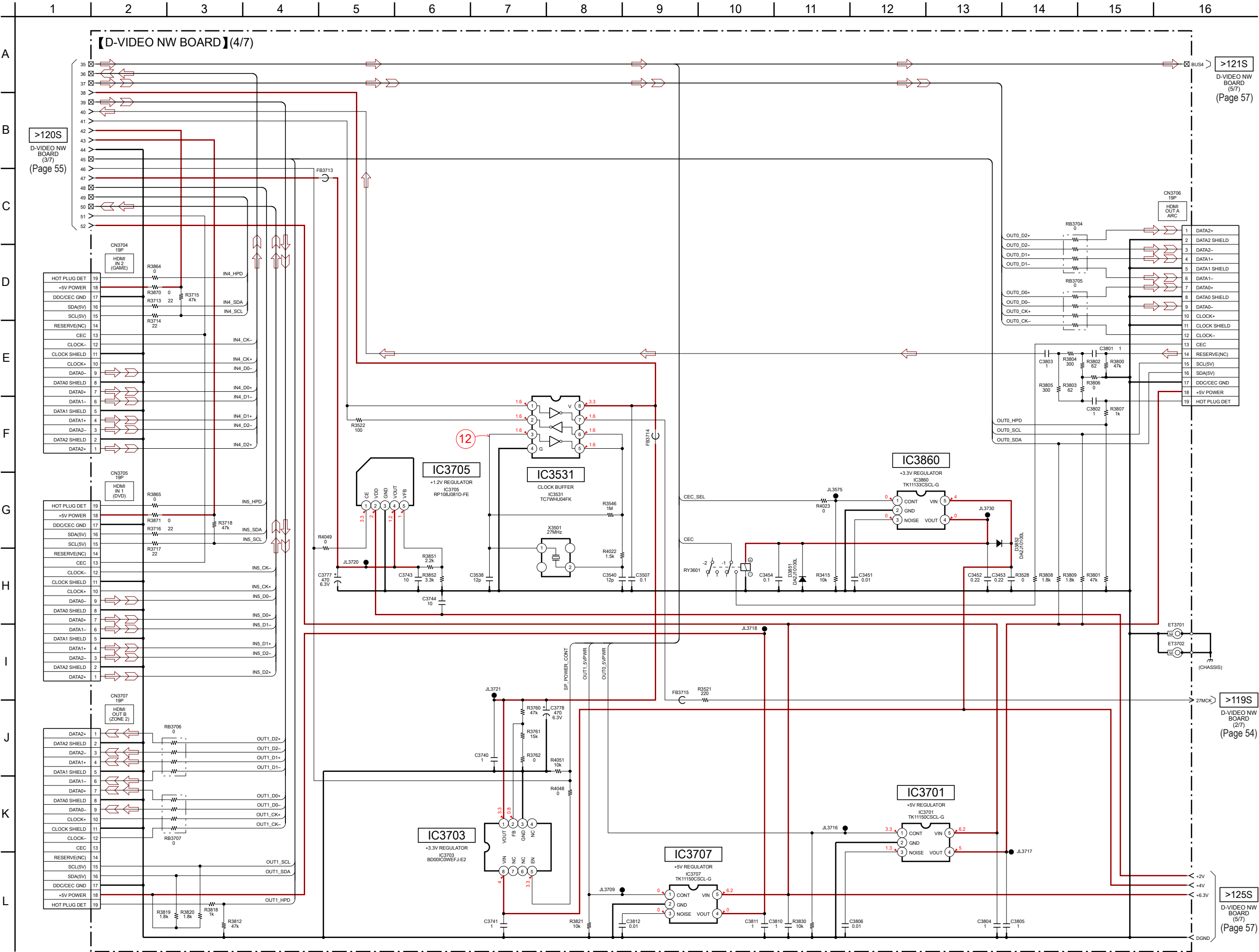
5-25. SCHEMATIC DIAGRAM - AVIDEO Board - • See page 72 for IC Block Diagrams.



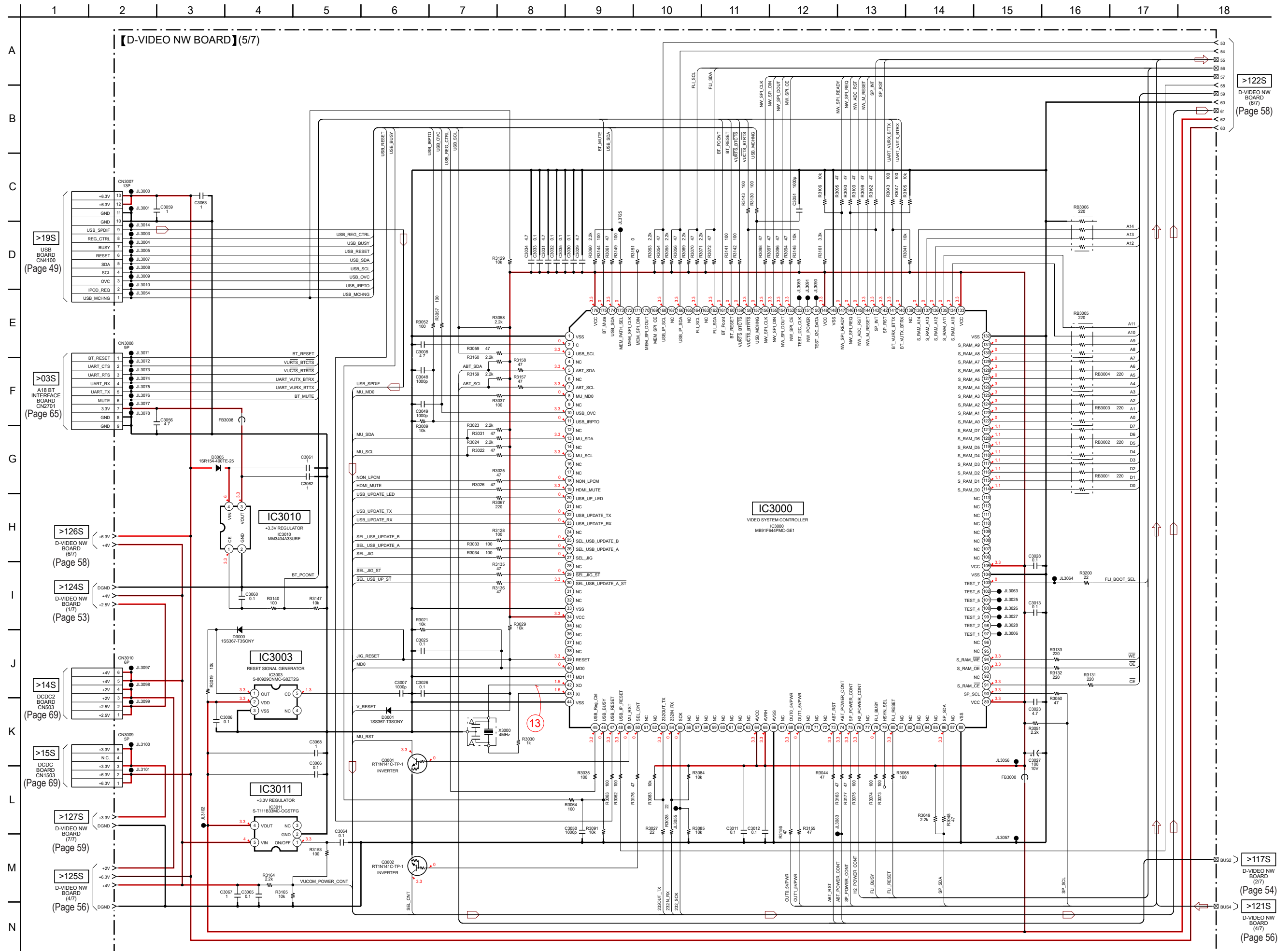
5-27. SCHEMATIC DIAGRAM - D-VIDEO NW Board (2/7) - • See page 72 for IC Block Diagrams. • See page 82 for IC Pin Function Description.



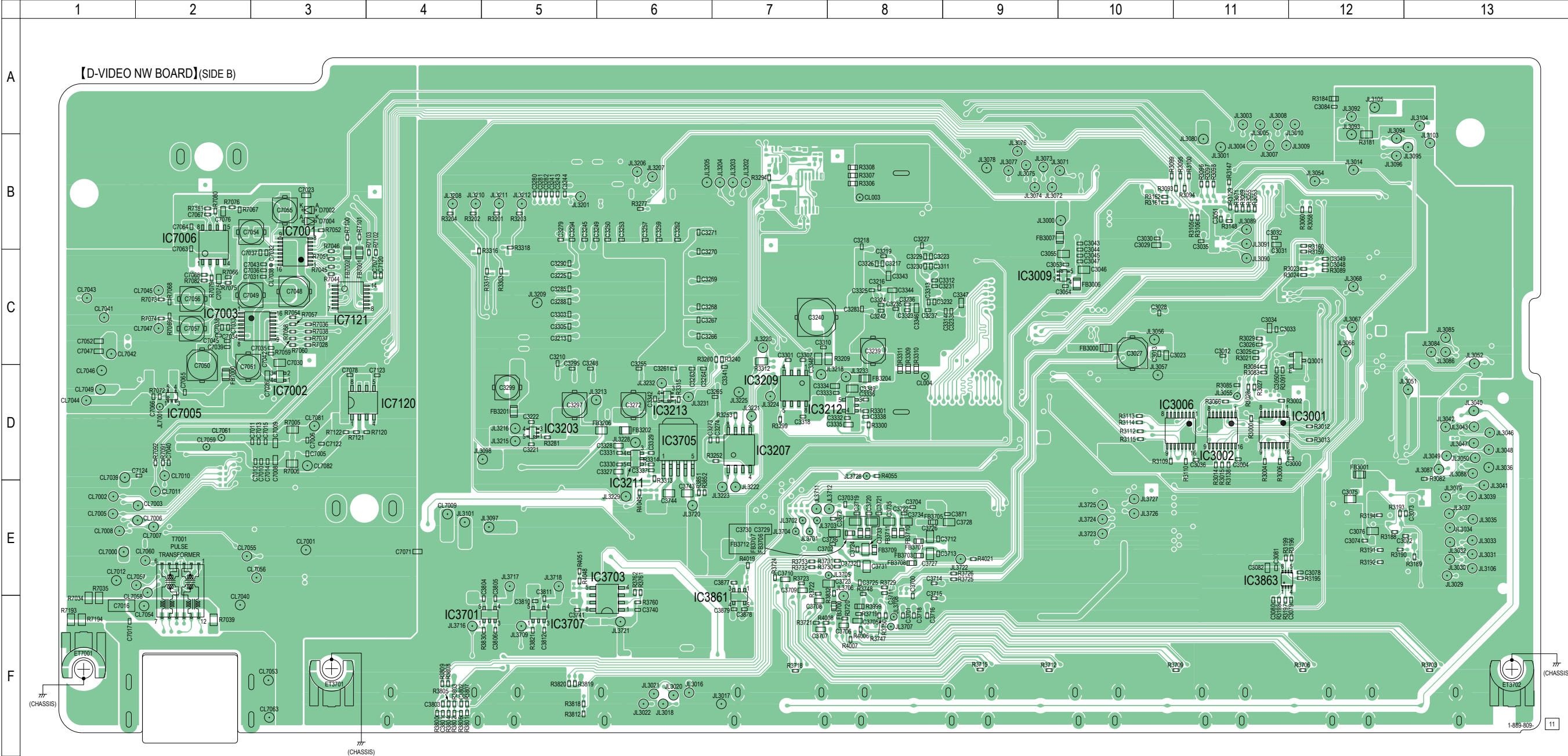
5-29. SCHEMATIC DIAGRAM - D-VIDEO NW Board (4/7) - • See page 71 for Waveforms. • See page 72 for IC Block Diagrams.



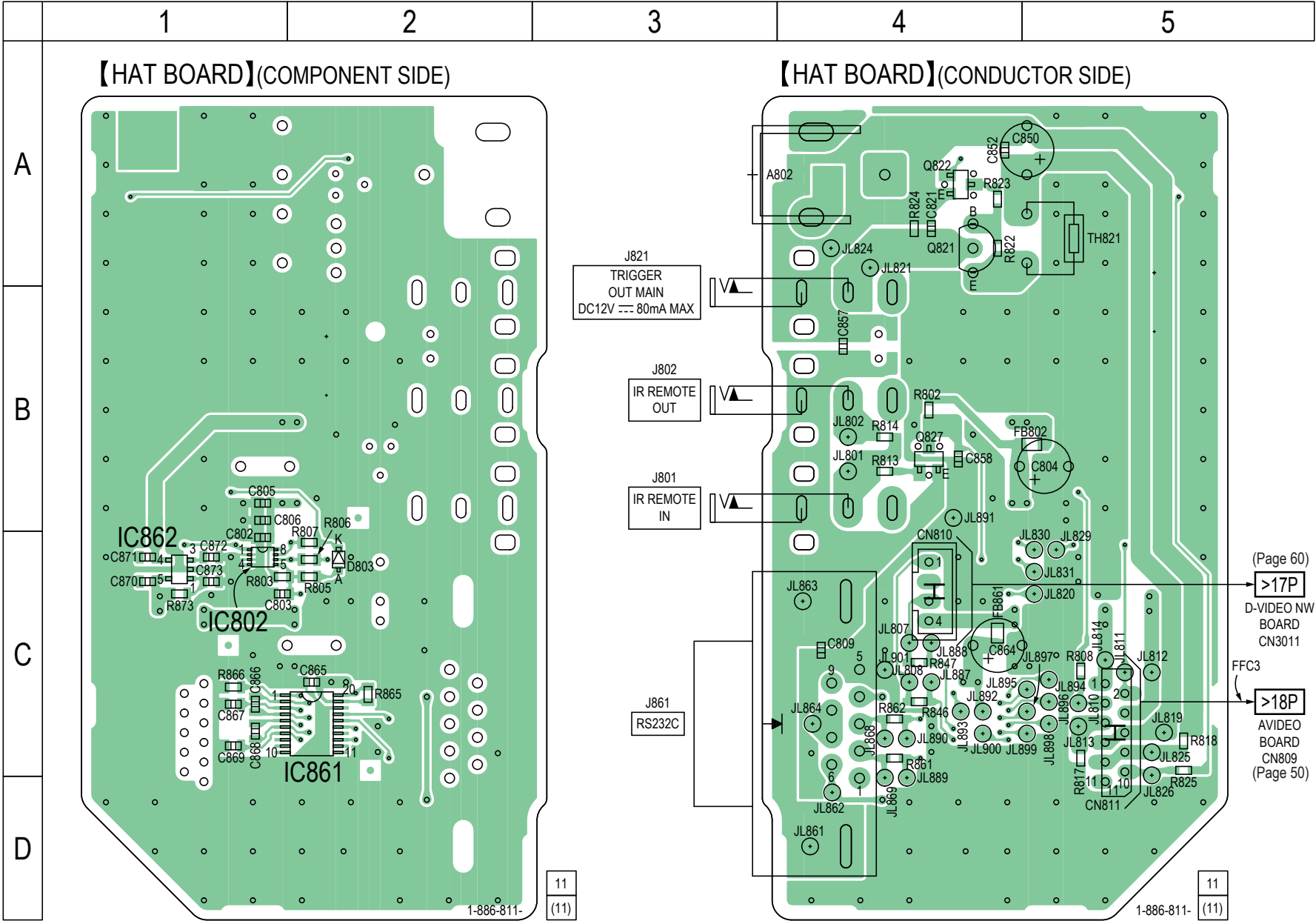
5-30. SCHEMATIC DIAGRAM - D-VIDEO NW Board (5/7) - • See page 71 for Waveforms. • See page 72 for IC Block Diagrams. • See page 82 for IC Pin Function Description.



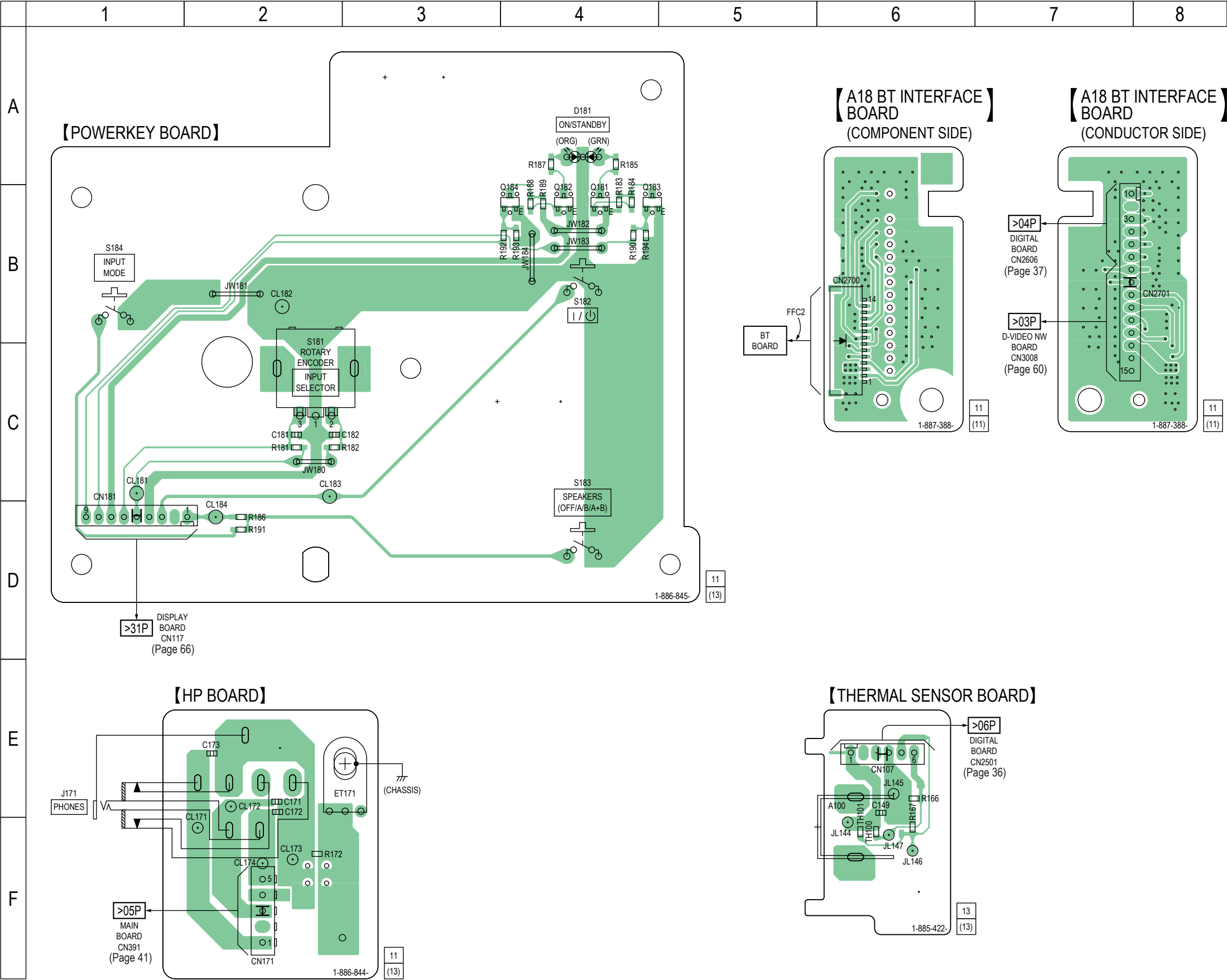
5-34. PRINTED WIRING BOARD - D-VIDEO NW Board (Side B) - • See page 35 for Circuit Boards Location. •  : Uses unleaded solder.



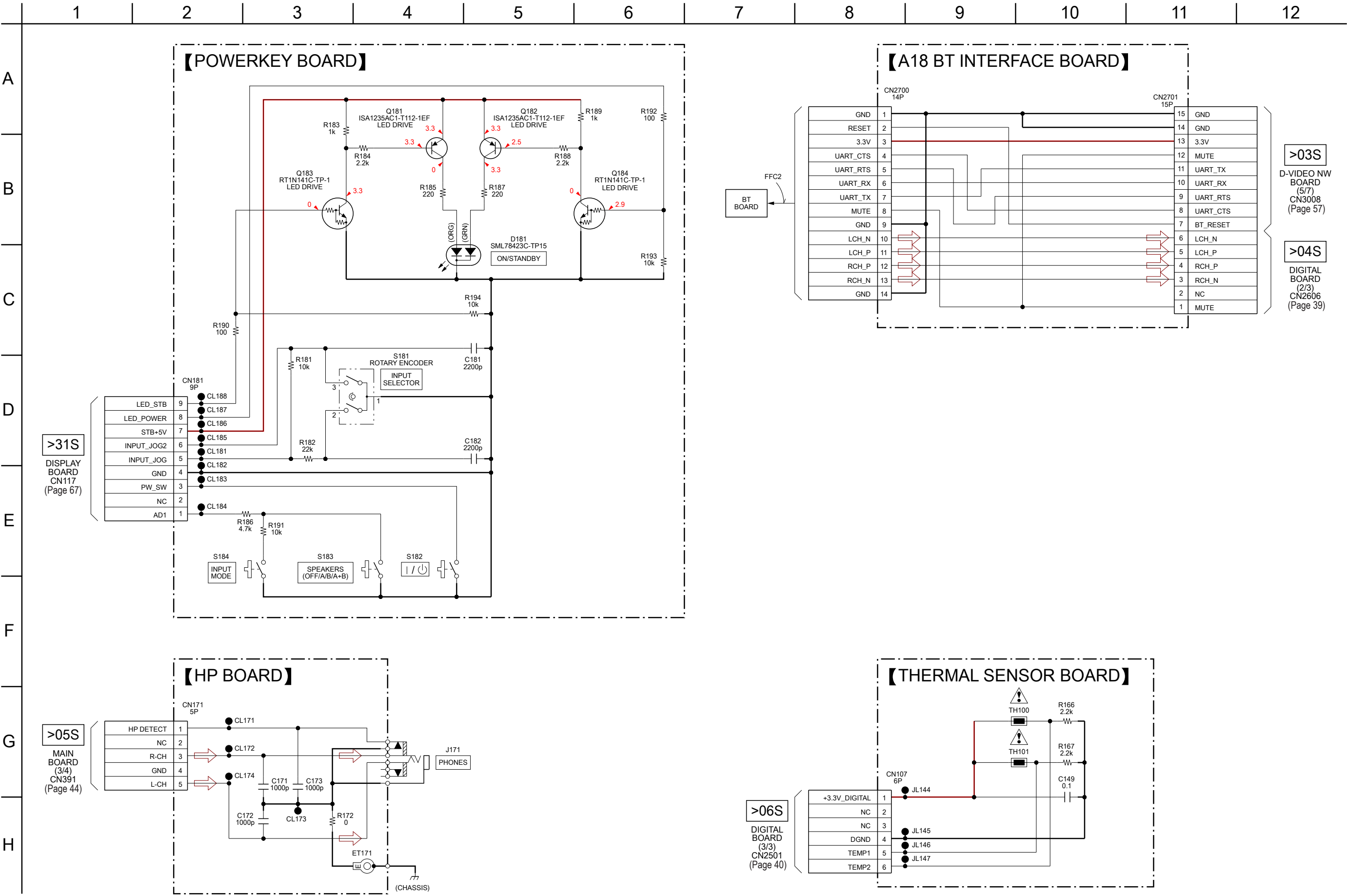
5-35. PRINTED WIRING BOARD - HAT Board - • See page 35 for Circuit Boards Location. •  : Uses unleaded solder.



5-37. PRINTED WIRING BOARDS - PANEL, THERMAL SENSOR Section - • See page 35 for Circuit Boards Location. •  : Uses unleaded solder.



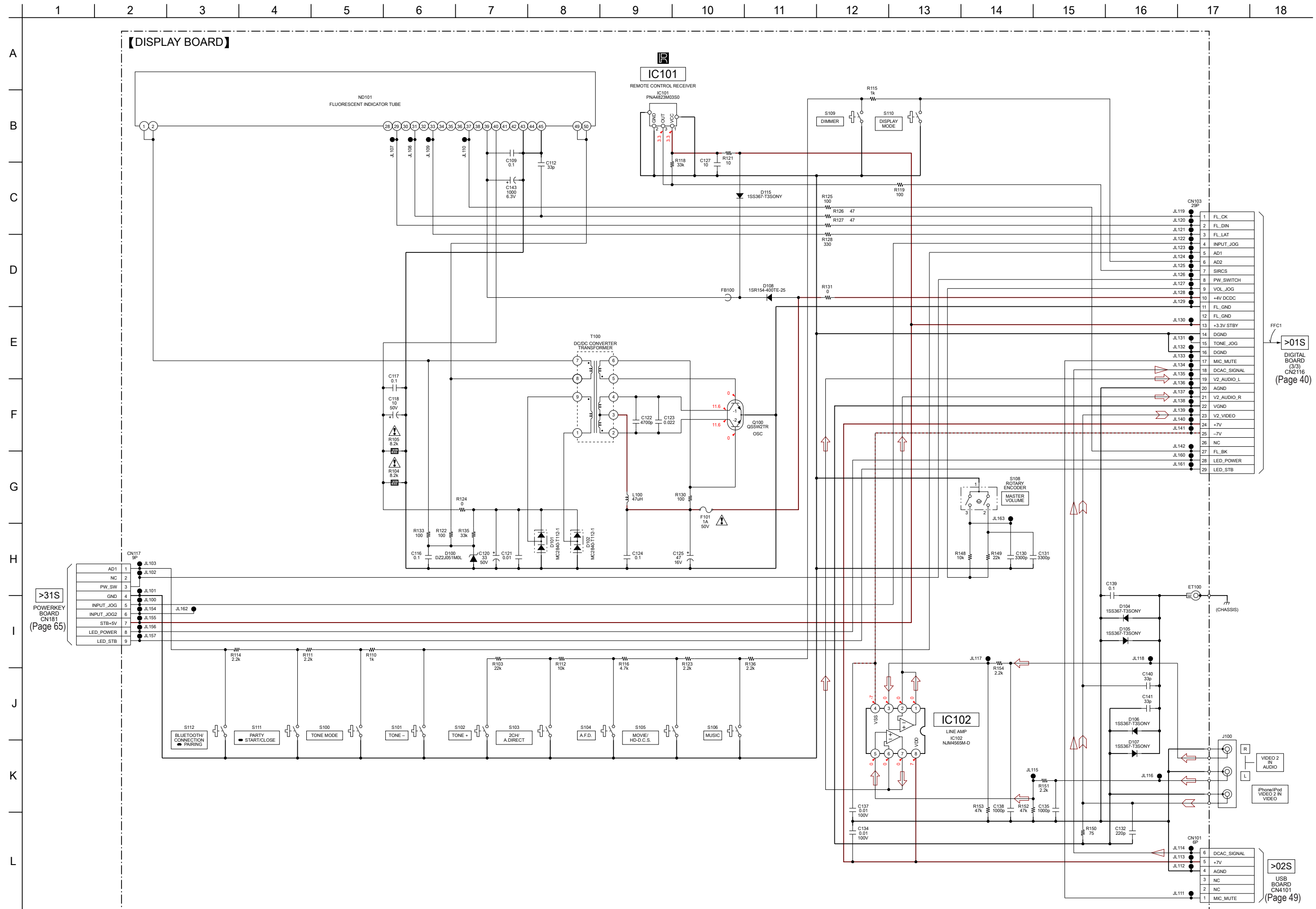
5-38. SCHEMATIC DIAGRAM - PANEL, THERMAL SENSOR Section -



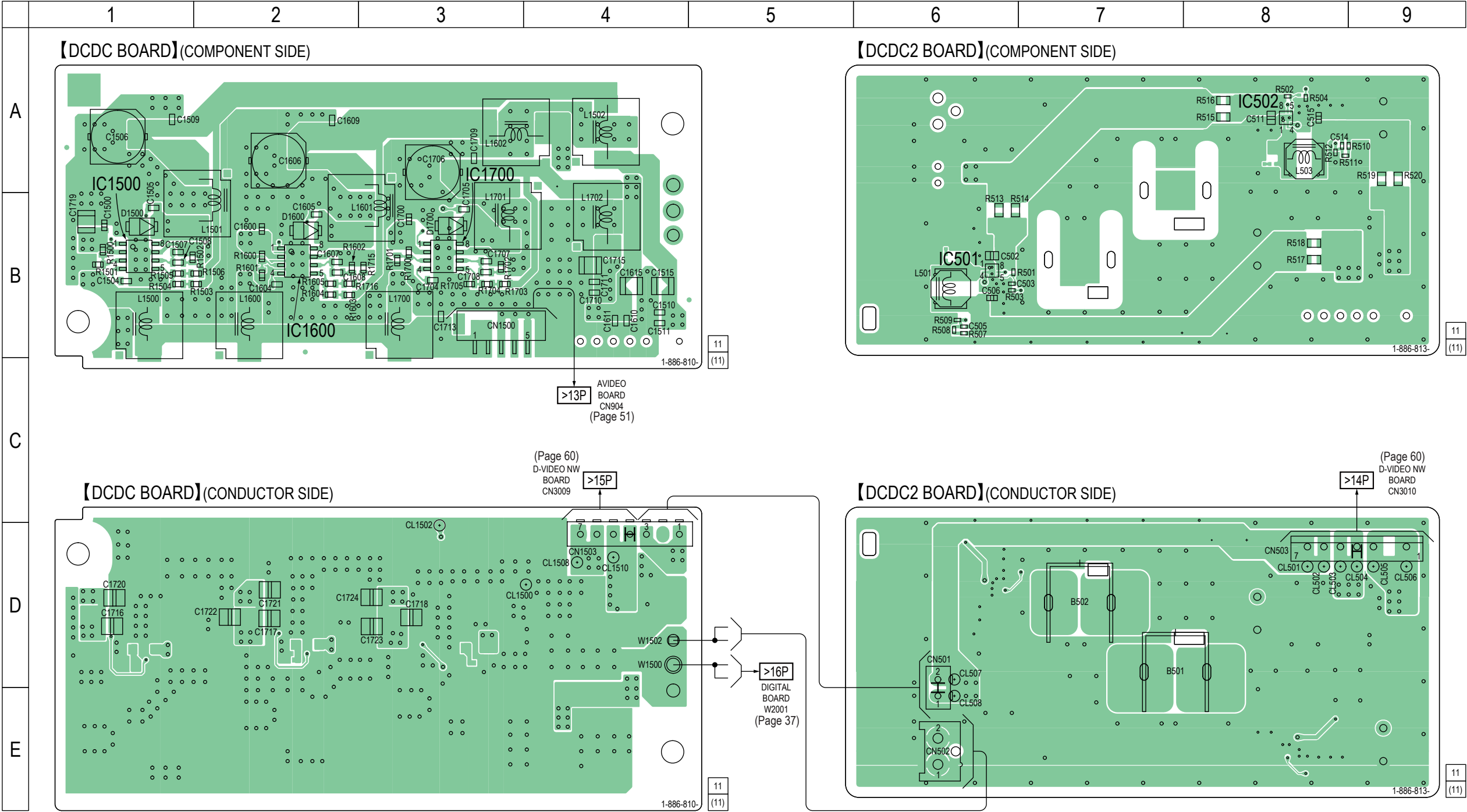
4 : Uses unleaded solder.



5-40. SCHEMATIC DIAGRAM - DISPLAY Board -



5-41. PRINTED WIRING BOARDS - DCDC Section - • See page 35 for Circuit Boards Location. • : Uses unleaded solder.

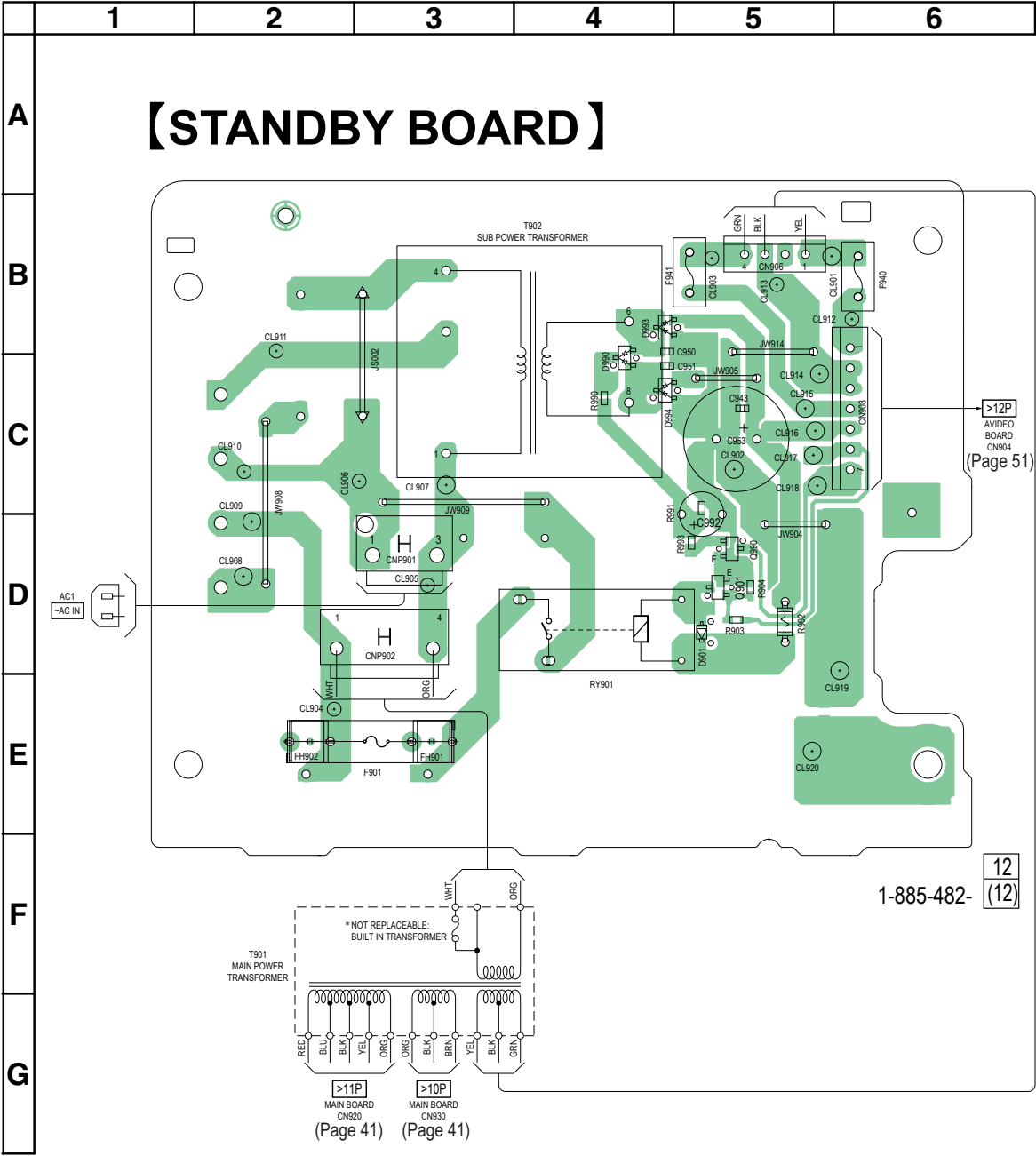


69

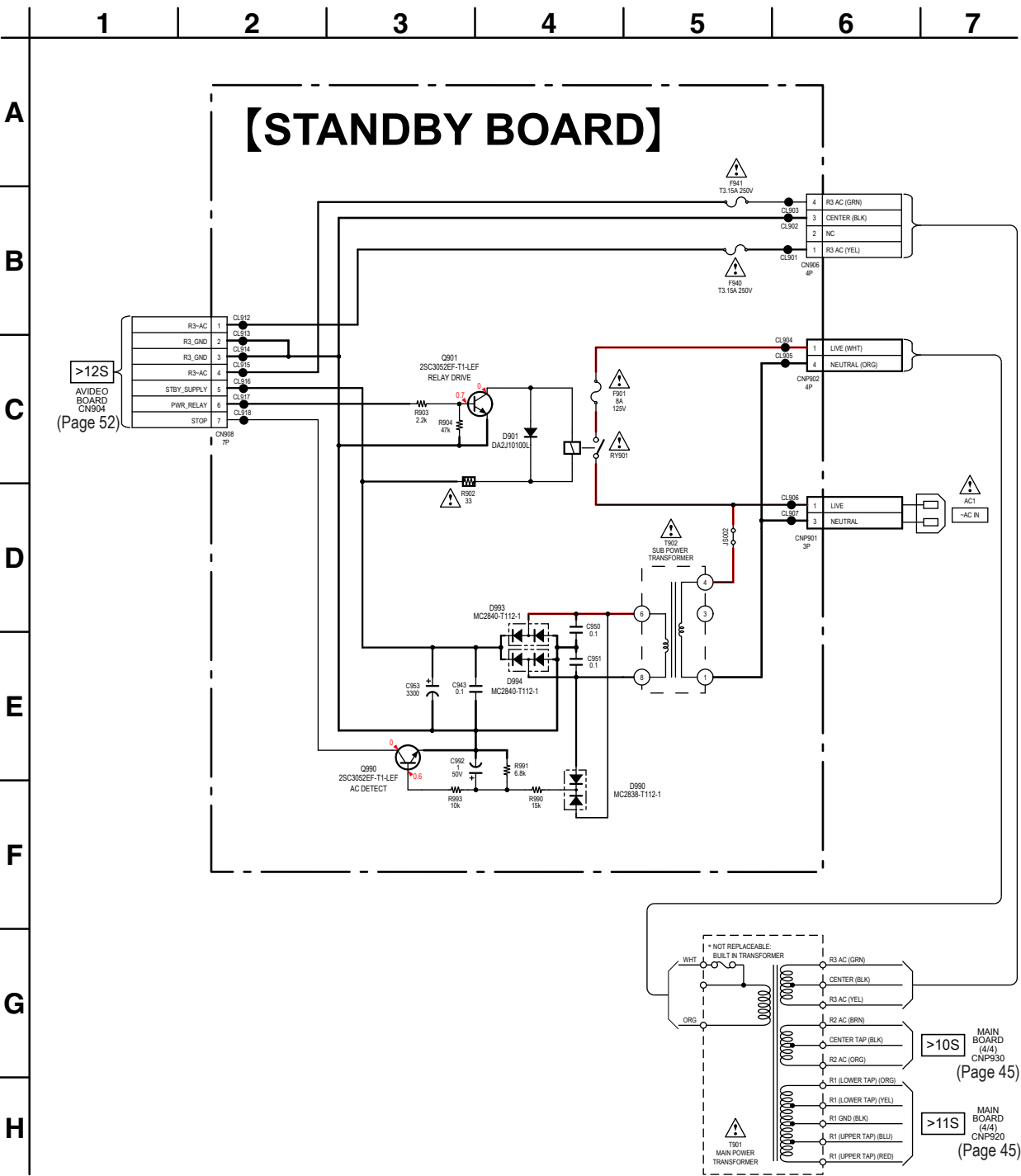


5-43. PRINTED WIRING BOARD - STANDBY Board -

• See page 35 for Circuit Boards Location. •  : Uses unleaded solder.



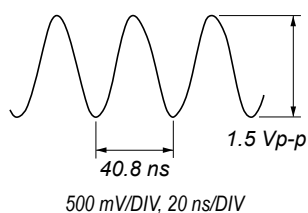
5-44. SCHEMATIC DIAGRAM - STANDBY Board -



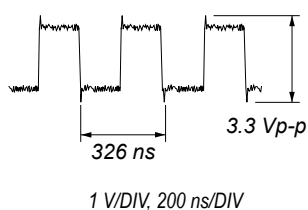
• Waveforms

– DIGITAL Board –

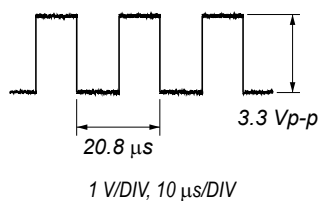
① IC2806 ⑬ (DSP MCK)



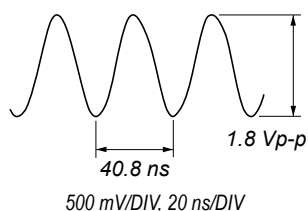
② IC2806 ⑭ (DSP BCK)



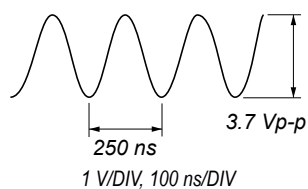
③ IC2806 ⑮ (DSP LRCK)



④ IC2806 ⑳ (XOUT)

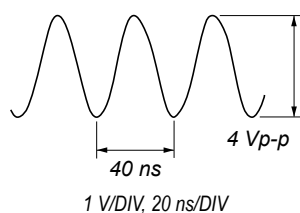


⑤ IC2105 ㉑ (X1 (X_OUT))

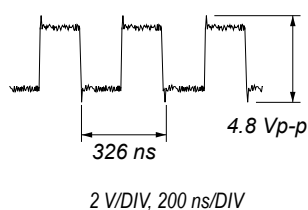


– DSP Board –

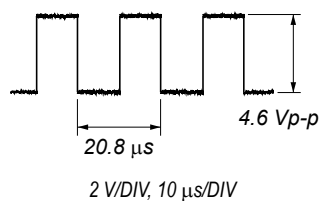
⑥ IC5001 ㉔ (XTAL2)



⑦ IC5001 ㉕ (BCLK_OUT)

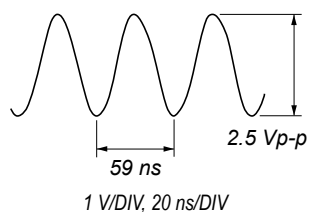


⑧ IC5001 ㉖ (LRCLK_OUT)



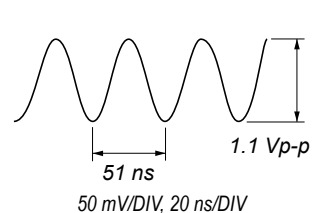
– USB Board –

⑫ IC4100 ㉗ (XOUT-PLL)

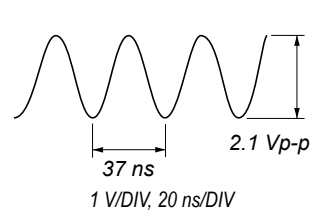


– D-VIDEO NW Board –

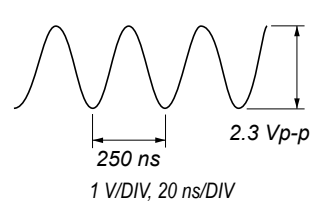
⑪ IC3201 ⑫ (XTAL)



⑫ IC3531 ③ (2A)



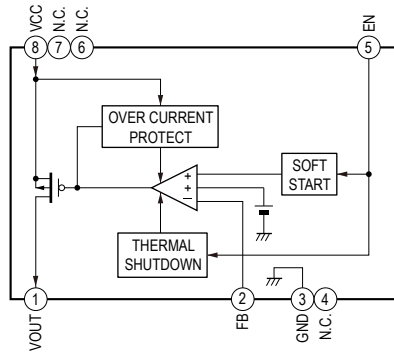
⑬ IC3000 ㉘ (XO)



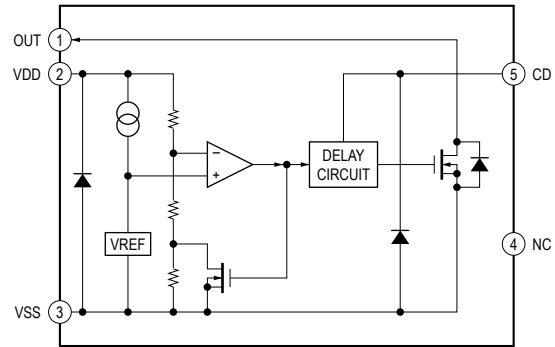
• IC Block Diagrams

– DIGITAL Board –

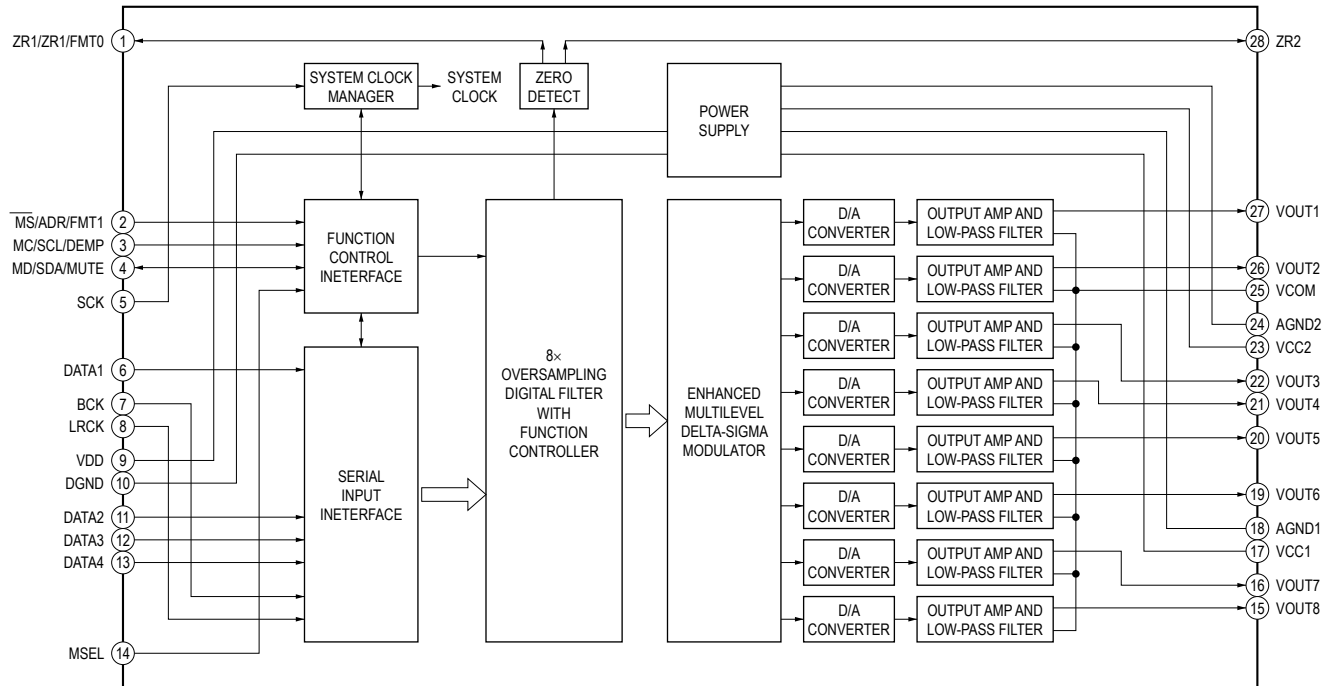
IC2010, 2817, 2818 BD00IC0WEFJ-E2



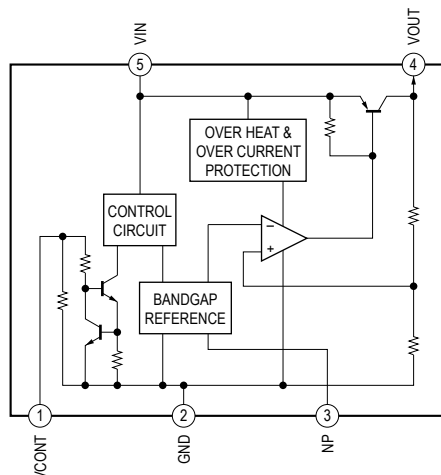
IC2020 S-80929CNMC-G8ZT2G



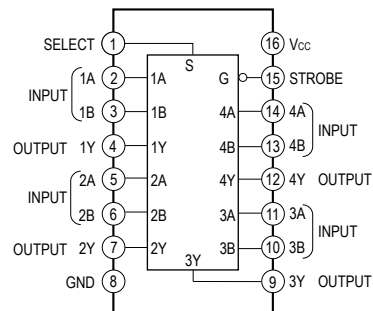
IC2123 PCM1681PWPR



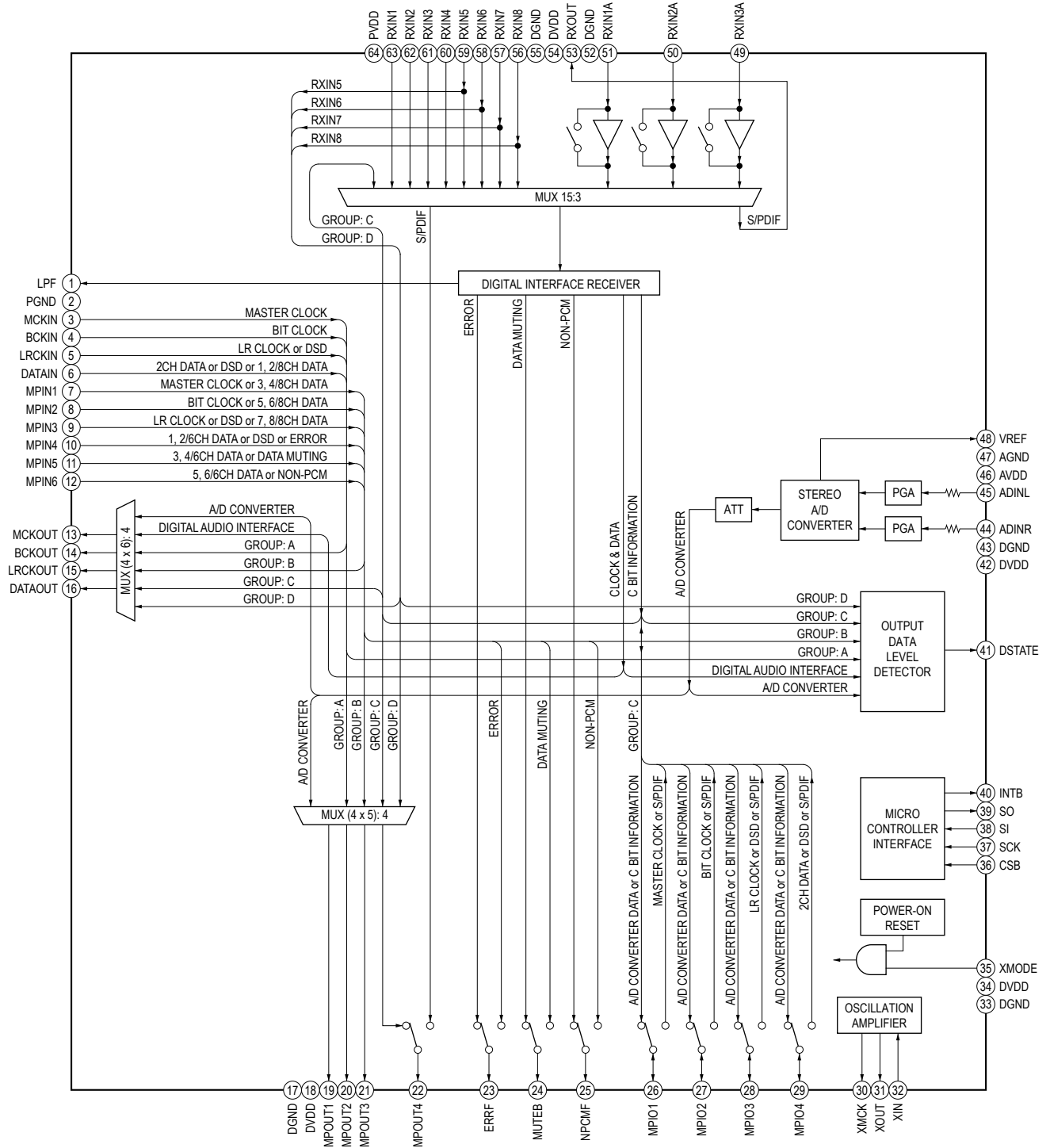
IC2421, 2812 TK11150CSCL-G



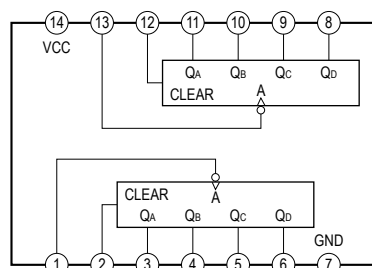
IC2804 TC74VHC157FT (EKJ)



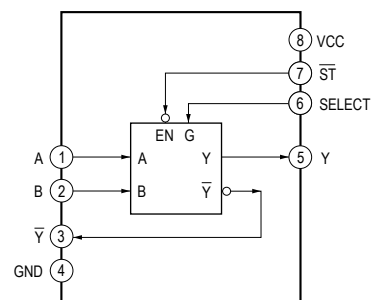
IC2806 LC89075W-H



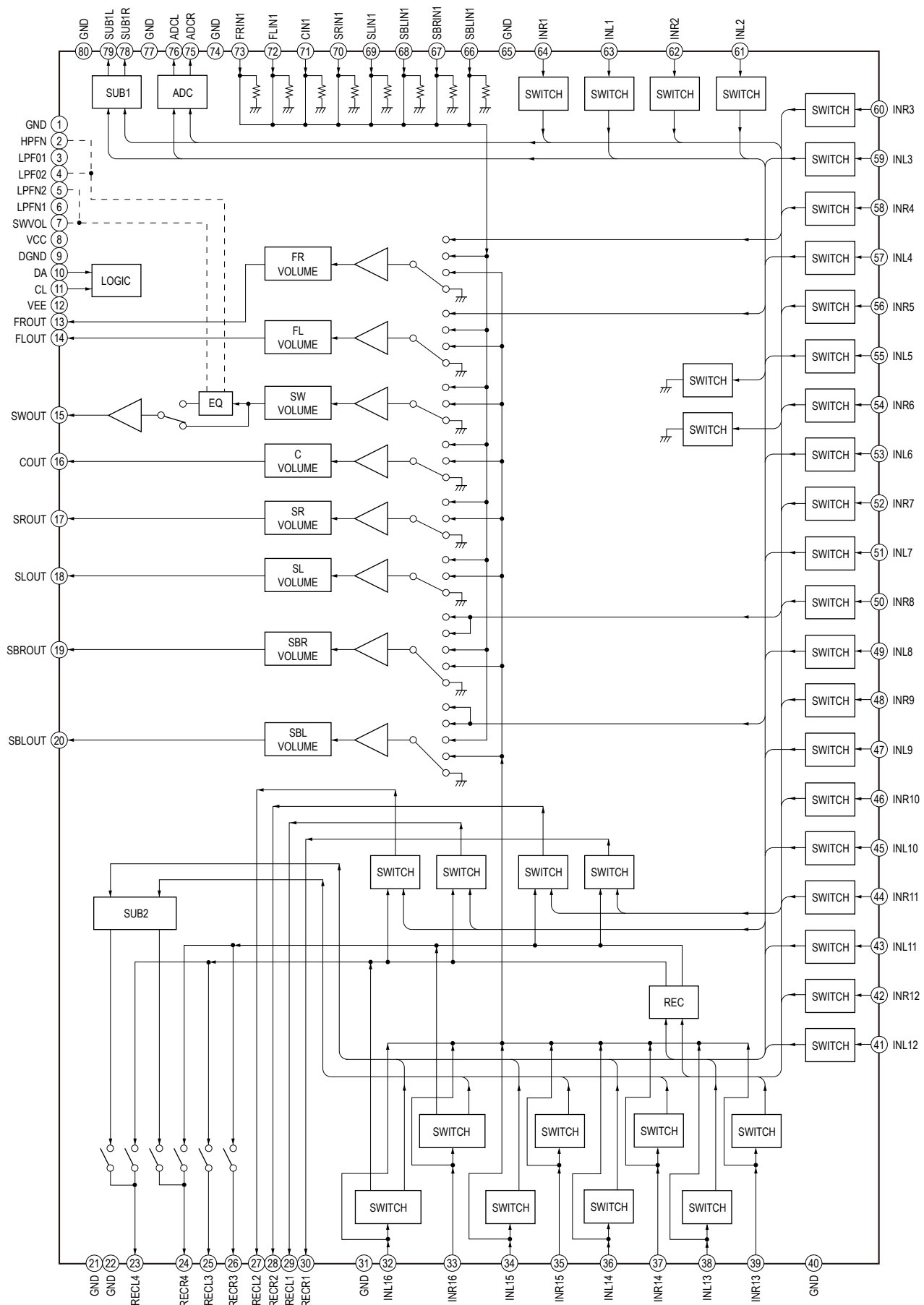
IC2813 TC74VHC393FT (EL)



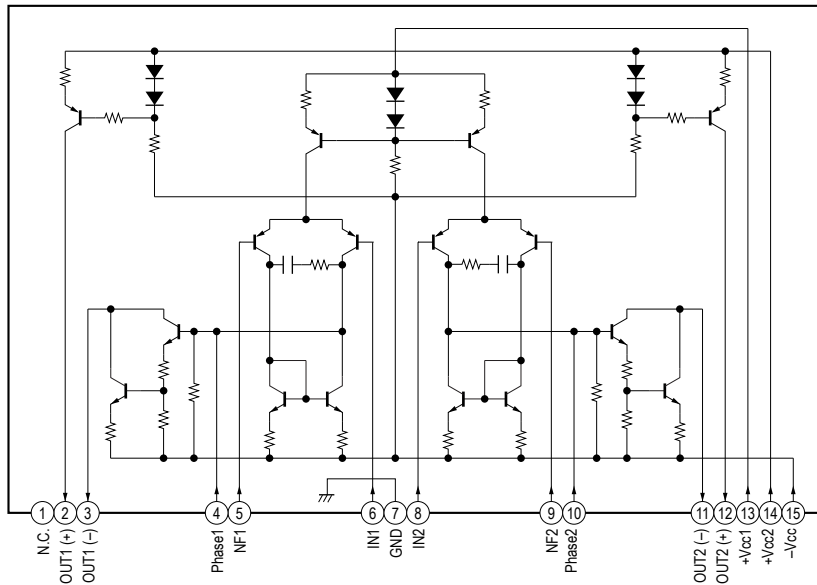
IC2816 TC7WH157FK



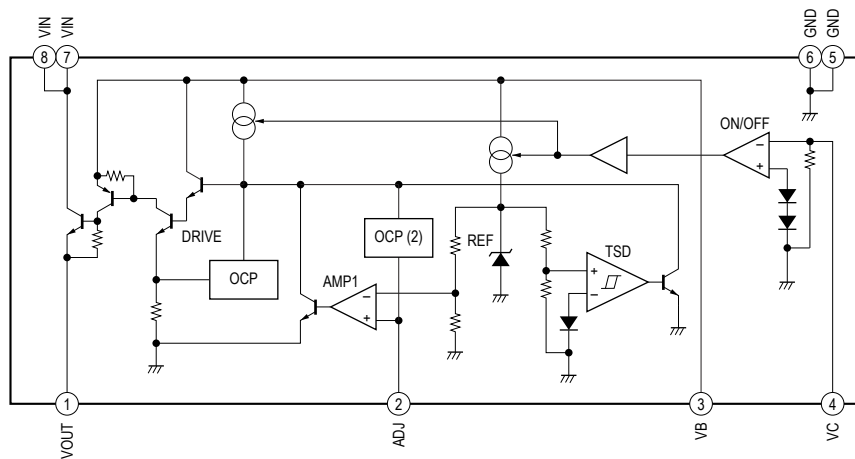
– MAIN Board –
IC400 BD3470KS2



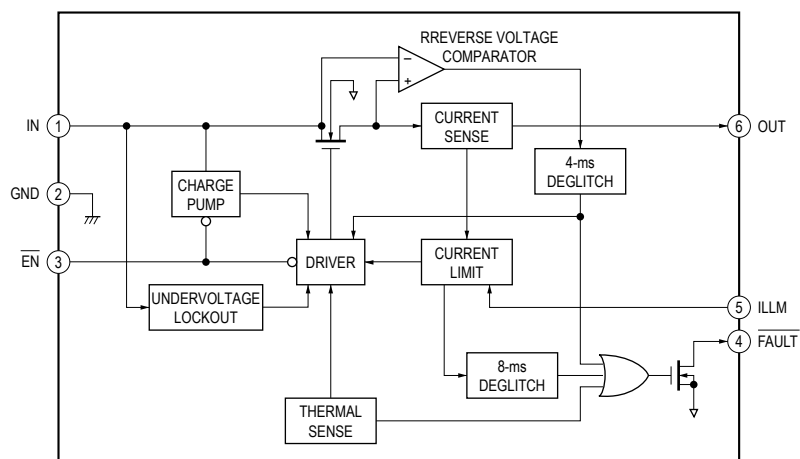
IC501, 601, 701, 801 STK350-630TS-E



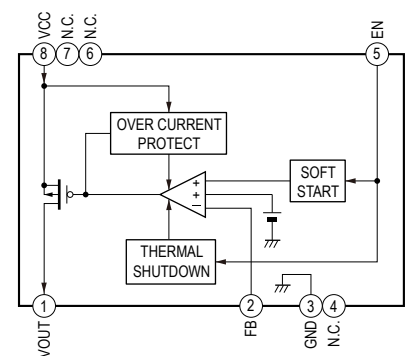
– DSP Board –
IC5003 SI-3010LLSL-TL



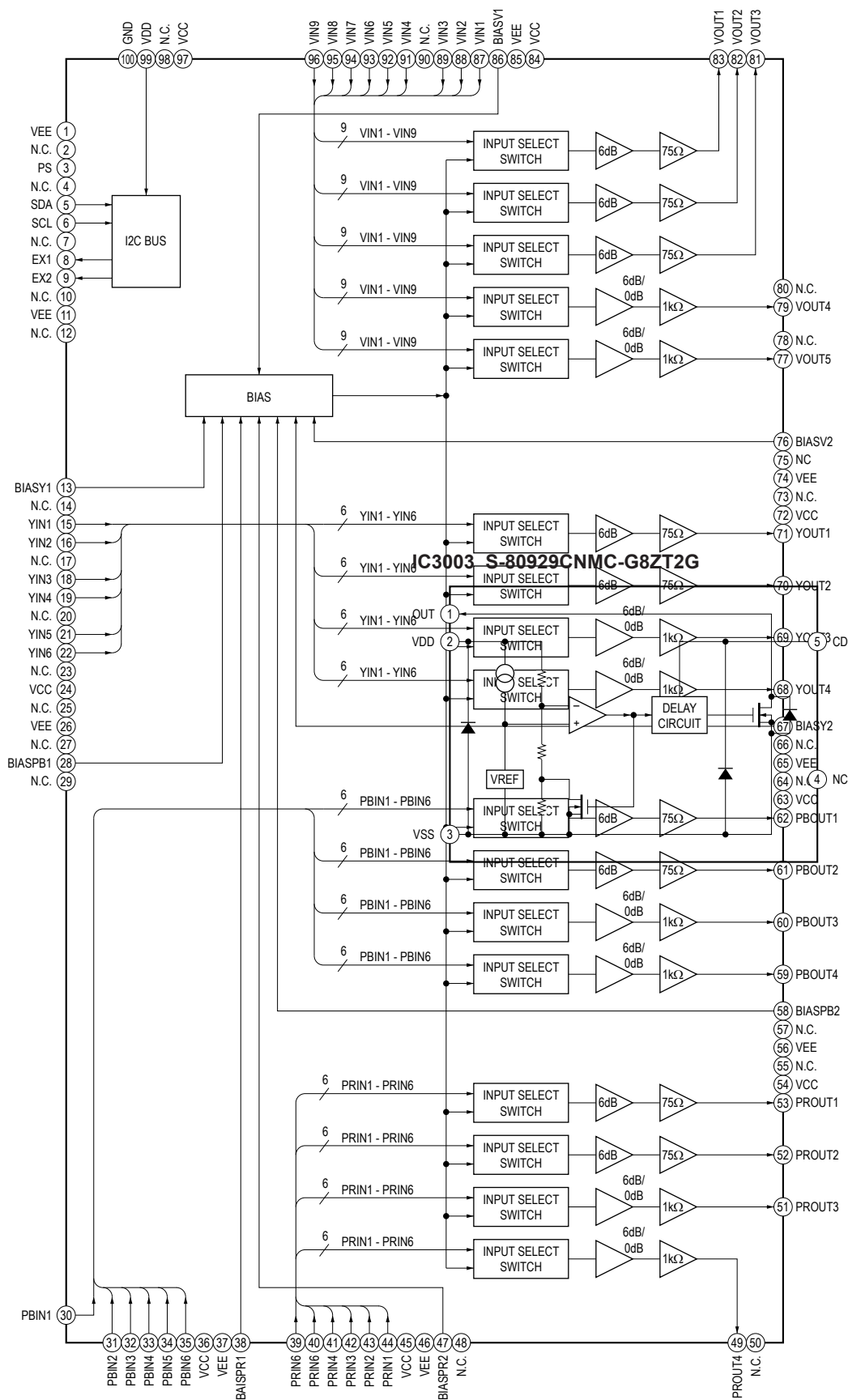
– USB Board –
IC4101 TPS2553DBVR

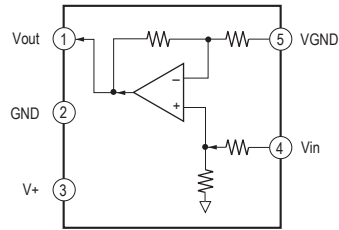
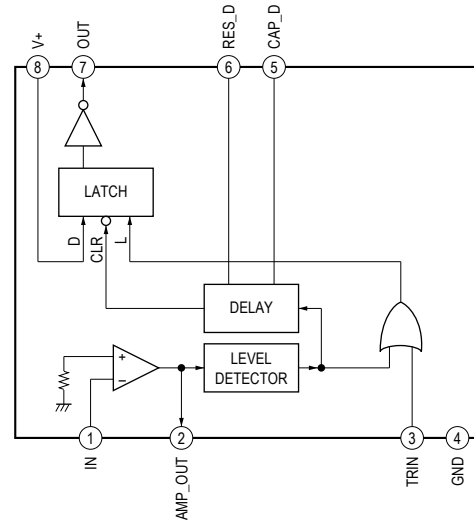
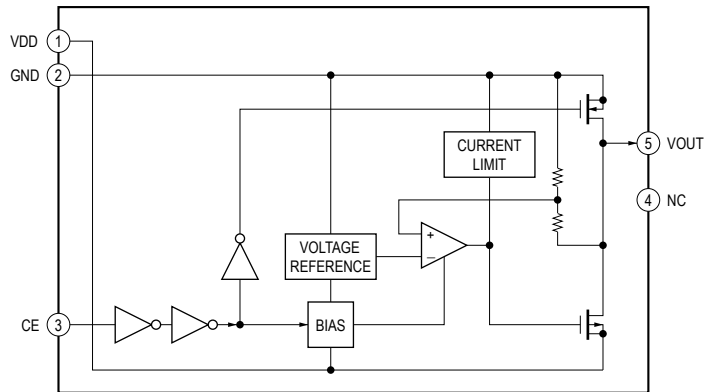
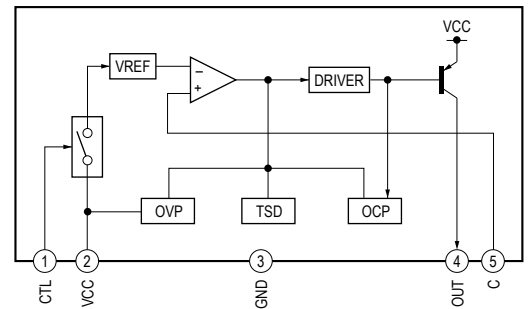


IC4102 BD00HC5WEFJ-E2

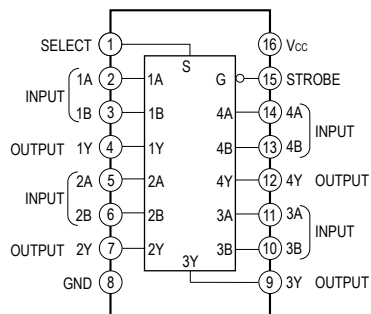
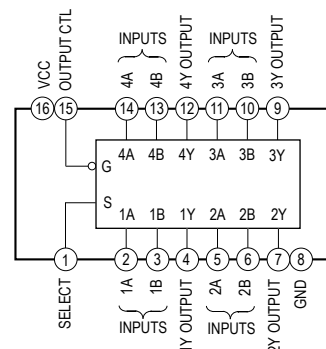


– AVIDEO Board –
IC6014 NJW1327FU1

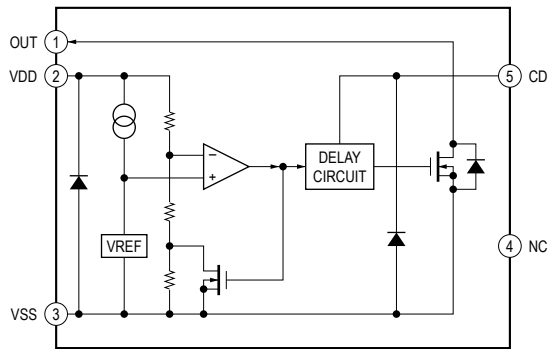


IC203 NJM2505AF (TE2)**IC223 NJU7181RB1 (TE2)****IC6015 MM3404A33NRE****IC6016 BA00DD0WHFP-TR**

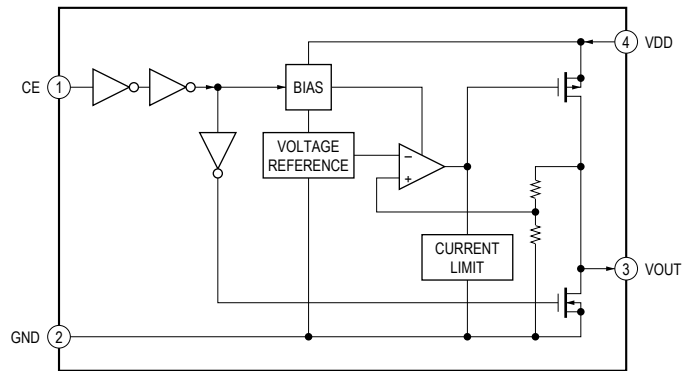
– D-VIDEO NW Board –
IC3001, 3006, 3012, 3013 TC74VHC157FT (EKJ)

**IC3002 TC74VCX257FT (EL)**

IC3003 S-80929CNMC-G8ZT2G



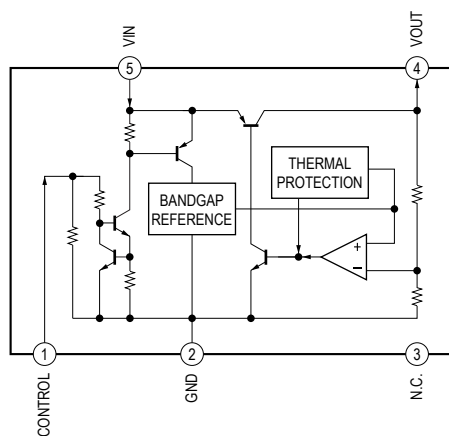
IC3010, 7002 MM3404A33URE



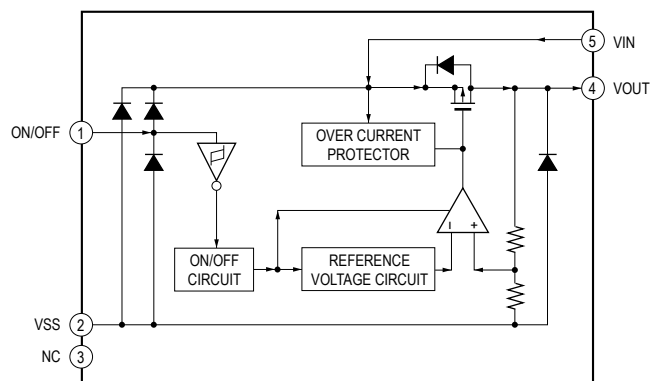
IC3009 NJM2878F3-33 (TE2)

IC3203 NJM2878F3-18 (TE2)

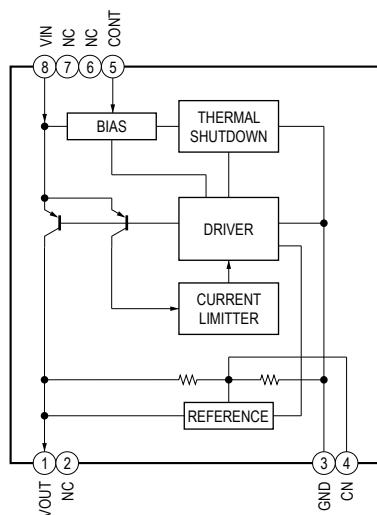
IC7005 NJM2878F3-05 (TE2)



IC3011 S-T111B33MC-OGSTFG

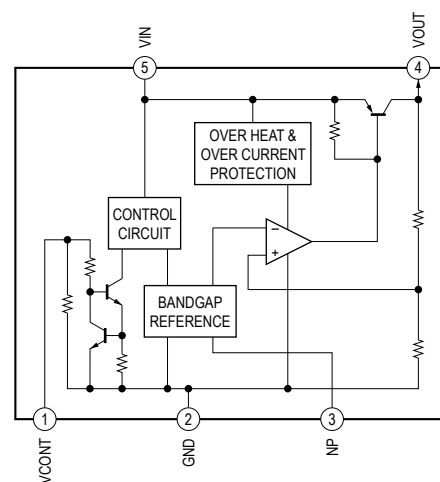


IC3209, 3210 MM1661JHBE

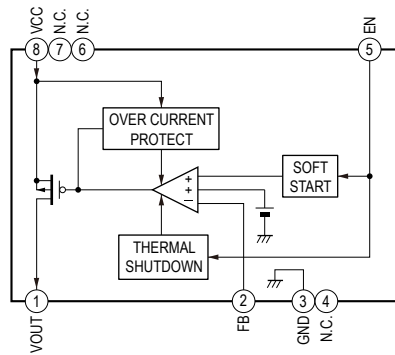


IC3211, 3212, 3860 TK11133CSCL-G

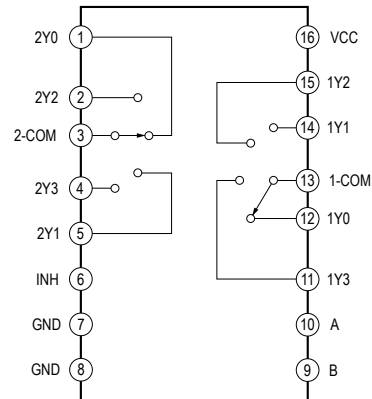
IC3701, 3707, 3861 TK11150CSCL-G



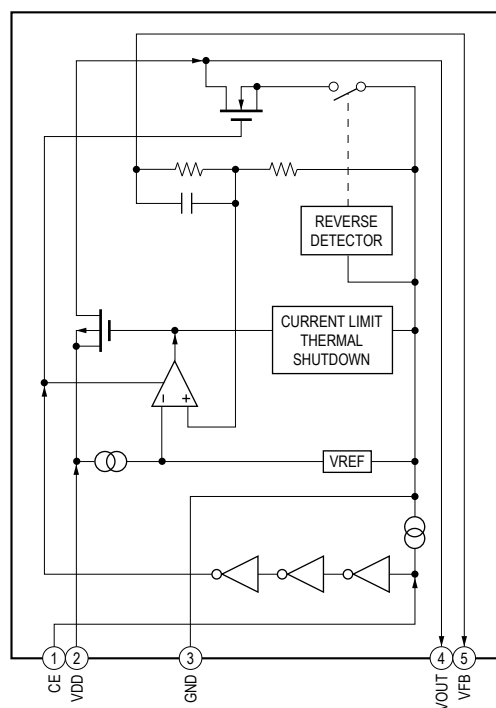
IC3703, 7120 BD00IC0WEFJ-E2



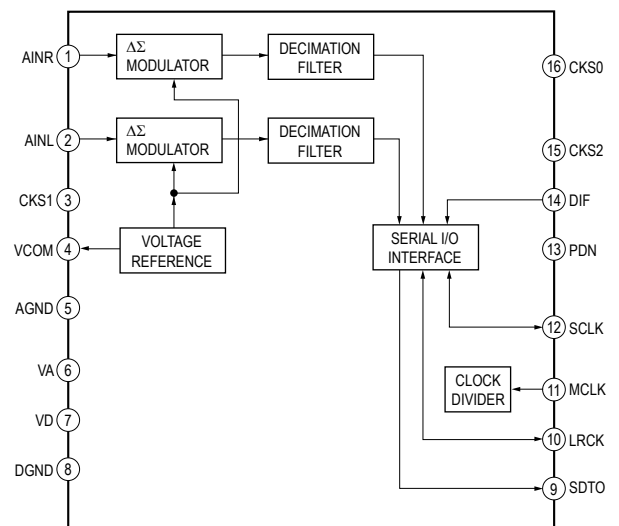
IC3862 SN74LV4052APWR



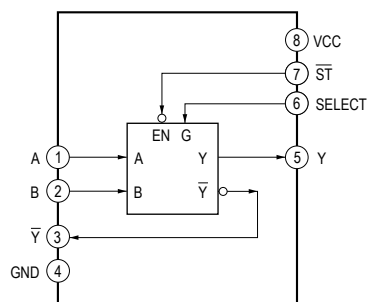
IC3705 RP108J081D-FE



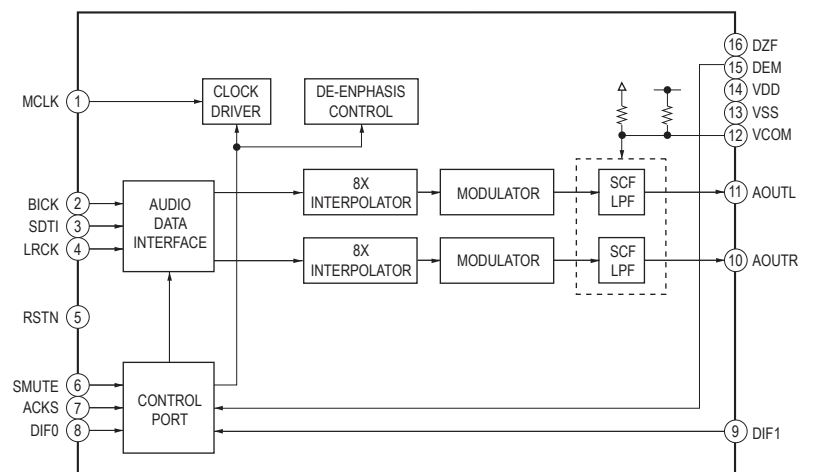
IC7003 AK5358BET2-E2



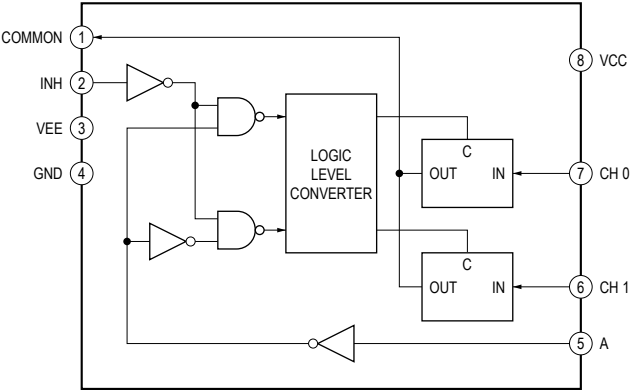
IC3863 TC7WH157FK



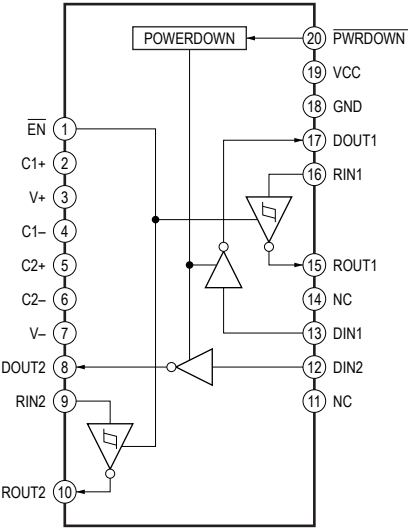
IC7001 AK4388AET2-E2



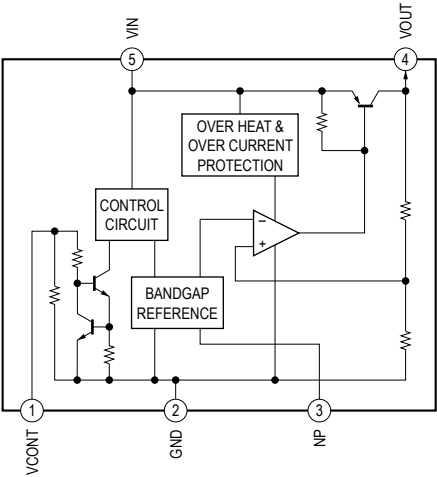
– HAT Board –
IC802 TC7W53FK (TE85R)



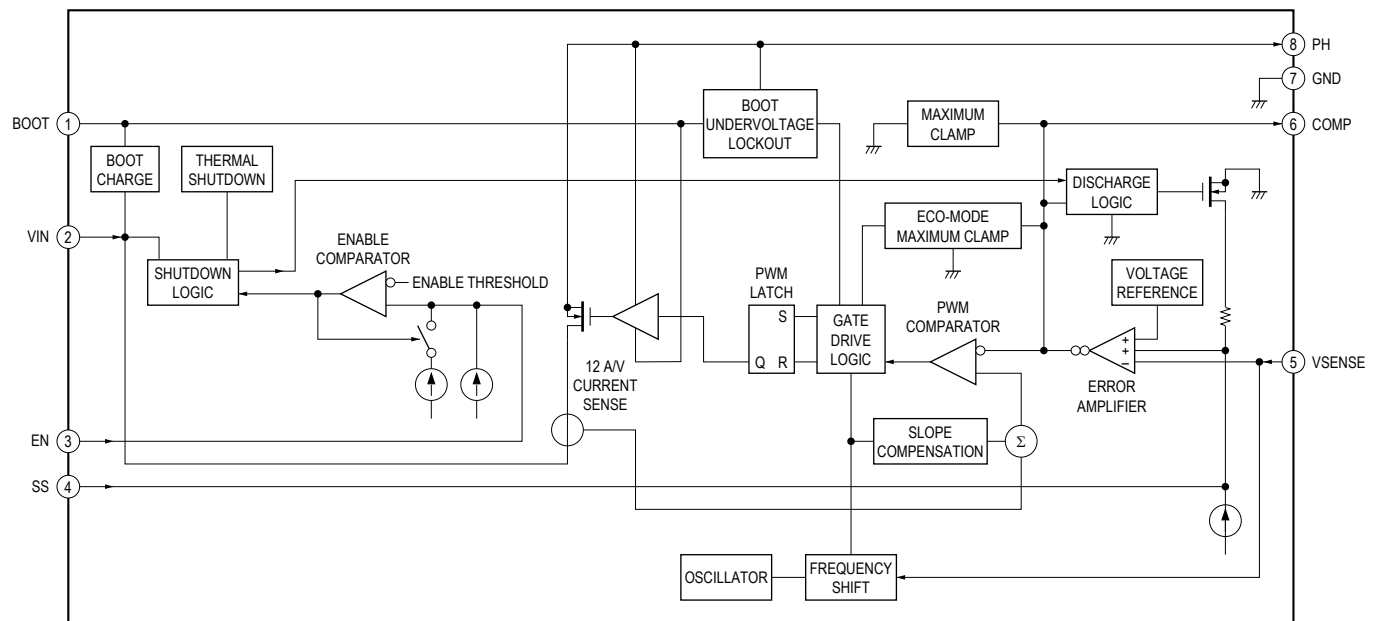
IC861 MAX3222IPWR



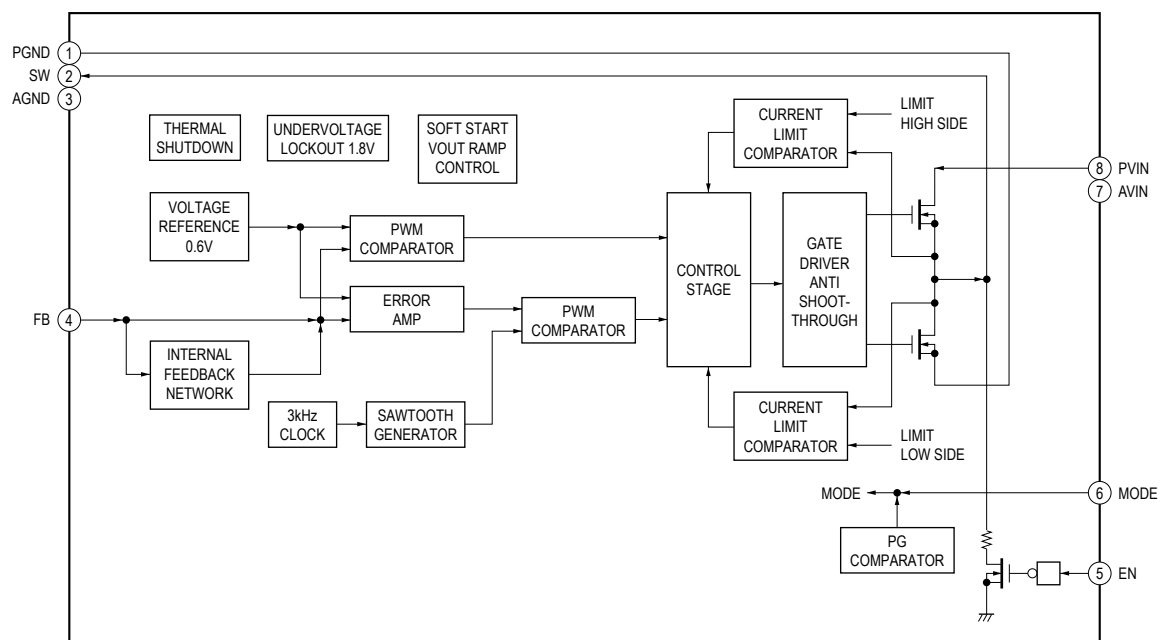
IC862 TK11150CSCL-G



– DCDC Board –
IC1500, 1600, 1700 TPS54331GDR



– DCDC2 Board –
IC501, 502 TPS62065DSGR



• IC Pin Function Description

DIGITAL BOARD IC2105 MB90F058PF-G-JNE1 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	SBL_SBR_RY	O	Relay drive signal output terminal for surround back/front high/front B speaker "H": relay on
2	BRIDGEABLE_RY	O	Relay drive signal output terminal for amplifier section power "H": relay on
3	HP_RY	O	Relay drive signal output terminal for headphone "H": relay on
4	HP_DET	O	Headphone plug insert detection signal input terminal "H": headphone plug is inserted
5	ZONE2_RY	O	Relay drive signal output terminal for ZONE 2 AUDIO OUT "H": relay on
6	E2P_DATA	I/O	Two-way serial data bus with the EEPROM
7	E2P_CLK	O	Serial data transfer clock signal output to the EEPROM
8	TUNER_SD	I	Stereo detection signal input from the FM/AM tuner unit
9	TUNER_MOSI	I/O	Two-way serial data bus with the FM/AM tuner unit
10	TUNER_CLK	O	Serial data transfer clock signal output to the FM/AM tuner unit
11	TUNER_RDS_CLK	I	RDS signal input from the FM/AM tuner unit
12	DIR_INT	I	Interrupt signal input from the digital audio interface receiver
13, 14	NO_USE	-	Not used
15	VCC_3.3V	-	Power supply terminal (+3.3V)
16	VSS_GND	-	Ground terminal
17	C	-	Internal regulator stabilization capacitor connection terminal
18	DSP_MISO	I	Serial data input from the DSP and serial flash
19	DSP_MOSI	O	Serial data output to the DSP and serial flash
20	DSP_SPICLK	O	Serial data transfer clock signal output to the DSP and serial flash
21	FL_BK	O	Blacking signal output to the fluorescent indicator tube
22	TUNER_CE	O	Chip enable signal output to the FM/AM tuner unit
23	PW_LED1_A18	O	LED drive signal output terminal for power on indicator "H": LED on
24	PW_LED2_A18	O	LED drive signal output terminal for power standby indicator "H": LED on
25	VERSION	O	Destination setting signal output terminal Not used
26, 27	TEMP_SENSOR_1, TEMP_SENSOR_2,	O	Temperature sensor input terminal
28	DAC_IIC_SDA	I/O	Two-way serial data bus with the D/A converter
29	DAC_IIC_SCL	O	Serial data transfer clock signal output to the D/A converter
30	WF_HDMI_SEL	O	Wi-Fi/HDMI selection signal output terminal
31	BLUE_LED_DIM	O	Not used
32	AVCC_3.3V	-	Power supply terminal (+3.3V)
33	AVRH	-	Reference voltage (+3.3V) terminal
34	LIMITER	I	Limiter detection terminal
35	AVSS	-	Ground terminal
36, 37	AD_KEY_1, AD_KEY_2	O	Front panel key input terminal (A/D input)
38	TONE_JOG	I	Jog dial pulse input terminal Not used
39	INPUT_JOG	I	Jog dial pulse input from the rotary encoder for INPUT SELECTOR
40	VOL_JOG	I	Jog dial pulse input from the rotary encoder for MASTER VOLUME
41	DCAC MUTE	O	Muting on/off control signal output terminal for auto calibration microphone "H": muting on
42	VMCOM_RST	O	Reset signal output to the video system controller "L": reset
43	HDMI_CECOUT	O	CEC serial data output to the HDMI connector
44	VSS_GND	-	Ground terminal
45	POWER_KEY	I	Power key input terminal
46	SIRCS	I	SIRCS signal input terminal
47	HDMI_CECIN	O	CEC serial data input from the HDMI connector
48	NO_USE	-	Not used
49	SDA	I/O	Two-way I2C data bus with the video system controller
50	SCL	I/O	Two-way I2C clock bus with the video system controller
51	MD2	I	Mode selection signal input from the video system controller
52	MD1	I	Mode selection signal input terminal Fixed at "H" in this unit
53	MD0	I	Mode selection signal input from the video system controller
54	RST	I	Reset signal input from the reset signal generator and video system controller "L": reset
55	FL_LAT	O	Serial data latch pulse signal output to the fluorescent indicator tube
56	FL_DATA	O	Serial data output to the fluorescent indicator tube
57	FL_CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
58	RESERVE	-	Not used

Pin No.	Pin Name	I/O	Description
59	SI	I	Update signal input terminal
60	SO	O	Update signal output terminal
61	FLASH_CLK	O	Serial data transfer clock signal output terminal for flash writing
62	BT_MUTE	I	Muting request signal input from the BT board
63	DSP_SPICS	O	Chip select signal output to the DSP and serial flash
64	DSP_SFLASH_HOLD	O	Hold signal output to the serial flash
65	DVCC	-	Power supply terminal (+3.3V)
66	DVSS	-	Ground terminal
67	DSP_RST	O	Reset signal output to the DSP "L": reset
68	DSP_INT	I	Interrupt signal input from the DSP
69	DSP_SEL	O	Signal selection signal output terminal
70	DSP_NPCM	I	Non-LPCM setting signal input terminal
71	DSP_ERROR	I	Error signal input terminal
72	DIR_XSTATE	I	Clock muting signal input from the digital audio interface receiver
73	CEC_P_CNT	O	Power on/off control signal output terminal for CEC of HDMI OUT A ARC connector "H": power on
74	DIR_SIGNAL	I	Data detection signal input from the digital audio interface receiver
75	DIR_RST	O	Reset signal output to the digital audio interface receiver "L": reset
76	DIR_CE	O	Chip enable signal output to the digital audio interface receiver
77	NO_USE	-	Not used
78	DIR_MISO	I	Serial data input from the digital audio interface receiver
79	FUSE_DET	I	Protect detection signal input terminal "L": protect
80	STOP	I	AC cut detection signal input terminal "H": AC cut
81	COMP_DET	I	Component and composite video signal detection signal input terminal
82	V_COMP_SW2	O	Not used
83	12V_TRIG	O	Trigger signal output terminal "H": trigger on
84	SDA	O	Serial data output to the video input select
85	SCK	O	Serial data transfer clock signal output to the video input select
86	POWER_RY	O	Relay drive signal output terminal for main power "H": relay on
87	PROTECTOR	I	Protect detection signal input terminal "L": protect
88	DIR_SPICLK	O	Serial data transfer clock signal output to the digital audio interface receiver
89	DIR_MOSI	O	Serial data output to the digital audio interface receiver
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	V_UCOM_P_CNT	O	Power on/off control signal output terminal for video system controller "H": power on
95	DIR_SPICLK	O	Serial data transfer clock signal output to the digital audio interface receiver
96	FSTATE	I	L/R sampling clock signal input from the digital audio interface receiver
97	EVOL_DATA	O	Serial data output to the input select
98	C/SL_SR_RY	O	Relay drive signal output terminal for center/surround speaker "H": relay on
99	FRONT_SPK_A_RY	O	Relay drive signal output terminal for front A speaker "H": relay on
100	PREOUT_SW_RY	O	Relay drive signal output terminal for SUBWOOFER AUDIO OUT "H": relay on

DSP BOARD IC5001 ADSST-AVR-3011 (DSP)

Pin No.	Pin Name	I/O	Description
1	SDDQM	O	Data mask signal output to the SD-RAM
2	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 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	RESETOUT/ 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 system controller
39	MISO	O	Serial data output to the system controller
40	SPICLK	I	Serial data transfer clock signal input from the system controller
41	VDD_INT	-	Power supply terminal (+1.2V) (for core)
42	DPI_P05	I	Chip select signal input from the system controller
43	DSP_CS	I	Chip select signal input from the 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	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 D/A converter

Pin No.	Pin Name	I/O	Description
74	SL/SR_IN	I	Audio signal input from the digital audio interface receiver
75	BCLK_IN	I	Bit clock signal input from the digital audio interface receiver
76	OPTION_L/ OPTION_R_OUT	O	Audio signal output terminal Not used
77	FRONTL_L/R_OUT	O	Audio signal output terminal Not used
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 D/A converter
87	MID/SW2_OUT	O	Audio signal output terminal Not used
88	SBL/SBR_OUT	O	Audio signal output to the D/A converter
89	ZONE_L/R	O	Audio signal output terminal 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 digital audio interface receiver
93	VDD_INT	-	Power supply terminal (+1.2V) (for core)
94	C/SW1_OUT	O	Audio signal output to the D/A converter
95	C/SW_IN	I	Audio signal input from the digital audio interface receiver
96	A/D_2CH	I	Audio signal input from the digital audio interface receiver
97	LRCLK_IN	I	L/R sampling clock signal input from the digital audio interface receiver
98	BCLK_OUT	O	Bit clock signal output to the D/A converter
99	LRCLK_OUT	O	L/R sampling clock signal output to the D/A converter
100	L/R_IN	I	Audio signal input from the digital audio interface receiver
101	SBL/SBR_IN	I	Audio signal input from the digital audio interface receiver
102	VDD_INT	-	Power supply terminal (+1.2V) (for core)
103	DIR_IN	I	Audio signal input from the digital audio interface receiver
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	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 to 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	AMI_WR	O	AMI port write enable terminal Not used
132	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 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	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	TRST	I	Test reset signal input terminal (for JTAG) Not used
145	MLBSO	I	Not used
146	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 to the SD-RAM
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	SDWE	O	Write enable signal output to the SD-RAM
172	SDRAS	O	Row address strobe signal output to the SD-RAM
173	RESET	I	Reset signal input from the system controller "L": reset
174	TMS	I	Test mode selection signal input terminal (for JTAG) Not used
175	SDCAS	O	Column address select signal output to the SD-RAM
176	VDD_INT	-	Power supply terminal (+1.2V) (for core)

USB BOARD IC4100 BU94604BKV-ZAE2 (AUDIO DECODER)

Pin No.	Pin Name	I/O	Description
1	RESETX	I	Reset signal input from the video system controller "L": reset
2	SEL-SLAVE	I	Mode setting terminal "L": slave, "H": stand alone Fixed at "L" in this unit
3	SEL-MP3	I	Mode setting terminal "L": MP1, MP2 and MP3 play, "H": MP3 play only Fixed at "L" in this unit
4	SEL-DOUT	I	Mode setting terminal "L": digital output, "H": analog D/A converter output Fixed at "L" in this unit
5	SEL-VOL	I	Mode setting terminal "H": volume control valid, "L": volume control invalid Fixed at "L" in this unit
6	SEL-APLAY	I	Mode setting terminal "L": auto play on, "H": auto play off Fixed at "H" in this unit
7	SEL-UTPKT	I	Mode setting terminal "L": USB test packet output, "H": normal operation Fixed at "H" in this unit
8	IRPTO	O	Interrupt signal output to the video system controller
9	TEST2	I	Test terminal
10	MCHNG	O	Music change signal output to the video system controller
11	BUSY	O	Busy signal output to the video system controller
12	IIC_SCL	I/O	Two-way I2C clock bus with the video system controller
13	IIC_SDA	I/O	Two-way I2C data bus with the video system controller
14, 15	A0, A1	-	Not used
16	SEL-SMAN	I	Mode setting terminal "L": manual, "H": auto Fixed at "H" in this unit
17	TEST3	I	Test terminal
18	DVDDIO	-	Power supply terminal (+3.3V)
19	SD-CON	I	Connection detection signal input terminal Not used
20	SD-DO	O	Serial data output terminal Not used
21	SD-CLK	O	Serial data transfer clock signal output terminal Not used
22	SD-DI	I	Serial data input terminal Not used
23	SD-CS	O	Chip select signal output terminal Not used
24	DVSS	-	Ground terminal
25, 26	TEST4, TEST5	I	Test terminal
27	DVDD-M2	-	Power monitor terminal
28 to 30	TEST6 to TEST8	I	USB test terminal
31	ATEST1	-	USB test terminal
32	AVDDC	-	Power supply terminal (+3.3V)
33	USB-DM	I	Audio data (negative) input terminal
34	USB-DP	I	Audio data (positive) input terminal
35	AVSSC	-	Ground terminal
36	REXTI	O	USB bias resistor connection terminal
37	VOREFI	O	USB test terminal
38	VDD_PLL	-	Power supply terminal (+3.3V)
39	TEST_PLL	I	PLL test terminal
40	XIN_PLL	I	System clock input terminal (16.9344 MHz)
41	XOUT_PLL	O	System clock output terminal (16.9344 MHz)
42	VSS_PLL	-	Ground terminal
43	DAVSS	-	Ground terminal
44	RDACO	O	Audio data (R-ch) output terminal Not used
45	VCDACO	O	Reference voltage output terminal Not used
46	LDACO	O	Audio data (L-ch) output terminal Not used
47	DAVDD	-	Power supply terminal (+3.3V)
48	AMUTE	O	Audio muting control signal output terminal Not used
49 to 52	TEST9 to TEST12	I	Test terminal
53	LRCK	O	Audio data output to the digital audio interface receiver
54	IIS_BCK	O	Bit clock signal output terminal Not used
55	IIS_DATA	O	Audio data output terminal Not used
56	TEST13	I	Test terminal
57	DVDD_M1	-	Power monitor terminal
58 to 61	TEST14 to TEST17	I	Test terminal
62	DVSS	-	Ground terminal
63	TMODE	I	Test terminal
64	DVDDIO	-	Power supply terminal (+3.3V)

D-VIDEO NW BOARD IC3000 MB91F644PMC-GE1 (VIDEO SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	VSS	-	Ground terminal
2	C	-	Internal regulator stabilization capacitor connection terminal
3	USB_SCL	I/O	Two-way I2C clock bus with the audio decoder
4	NC	O	Not used
5	ABT_SDA	I/O	Two-way I2C data bus with the video deinterlacing
6	NC	O	Not used
7	ABT_SCL	I/O	Two-way I2C clock bus with the video deinterlacing
8	MU_MD0	O	Mode selection signal output to the system controller
9	NC	O	Not used
10	USB_OVC	I	VBUS over current detection signal input terminal
11	USB_IRPTO	I	Interrupt signal input from the audio decoder
12	NC	O	Not used
13	MU_SDA	I/O	Two-way I2C data bus with the system controller
14	NC	O	Not used
15	MU_SCL	I/O	Two-way I2C clock bus with the system controller
16, 17	NC	O	Not used
18	NON_LPCM	O	Non-LPCM setting signal output terminal
19	HDMI_MUTE	O	HDMI muting control signal output terminal
20	USB_UP_LED	O	LED drive signal output terminal for ON/STANDBY (software update) indicator "H" LED on
21	NC	O	Not used
22	USB_UPDATE_TX	O	Update signal output terminal
23	USB_UPDATE_RX	I	Update signal input terminal
24	NC	O	Not used
25	SEL_USB_UPDATE_B	O	Update selection signal output terminal
26	SEL_USB_UPDATE_A	O	Update selection signal output terminal
27	SEL_JIG	O	Chip enable signal output terminal for update selection
28	NC	O	Not used
29	SEL_JIG_ST	O	Chip select signal output terminal for update selection
30	SEL_USB_UPDATE_A_ST	O	Chip select signal output terminal for update selection
31, 32	NC	O	Not used
33	VSS	-	Ground terminal
34	VCC	-	Power supply terminal (+3.3V)
35 to 38	NC	O	Not used
39	RESET	I	Reset signal input from the system controller and reset signal generator "L": reset
40	MD0	I	Mode setting terminal
41	MD1	I	Mode setting terminal Fixed at "L" in this unit
42	XO	O	System clock output terminal (4 MHz)
43	XI	I	System clock input terminal (4 MHz)
44	VSS	-	Ground terminal
45	USB_Reg_Ctrl	O	VBUS power on/off control signal output terminal "H": power on
46	USB_BUSY	I	Busy signal input from the audio decoder
47	USB_RESET	O	Reset signal output to the audio decoder "L": reset
48	USB_IP_RESET	O	Reset signal output to the EEPROM "L": reset
49	MU_RST	O	Reset signal output to the system controller "L": reset
50	SEL_CNT	O	RS232C selection signal output terminal
51, 52	NC	O	Not used
53	232OUT_TX	O	Update data output terminal
54	232IN_RX	I	Update data input terminal
55	SCK	I	Update data transfer clock signal input terminal
56 to 63	NC	O	Not used
64	AVCC	-	Power supply terminal (+3.3V)
65	AVRH	-	Reference voltage (+3.3V) terminal
66	AVSS	-	Ground terminal
67	NC	O	Not used
68	OUT0_5VPWR	O	+5V power on/off control signal output terminal for HDMI OUT A ARC connector "H": power on

Pin No.	Pin Name	I/O	Description
69	OUT1_5VPWR	O	+5V power on/off control signal output terminal for HDMI OUT B (ZONE 2) connector "H": power on
70 to 72	NC	O	Not used
73	ABT_RST	O	Reset signal output to the video deinterlacing "L": reset
74	ABT_POWER_CNT	O	Power on/off control signal output terminal for video deinterlacing "H": power on
75	SP_POWER_CNT	O	Power on/off control signal output terminal for HDMI section "H": power on
76	H2_POWER_CNT	O	Power on/off control signal output terminal for video controller "H": power on
77	NC	O	Not used
78	FLI_BUSY	O	Busy signal output to the video controller
79	HSYNC_SEL	O	Horizontal sync selection signal output terminal Not used
80	FLI_RESET	O	Reset signal output to the video controller "L": reset
81 to 85	NC	O	Not used
86	SP_SDA	I/O	Two-way I2C data bus with the HDMI transceiver
87	NC	O	Not used
88	VSS	-	Ground terminal
89	VCC	-	Power supply terminal (+3.3V)
90	MU_SCL	I/O	Two-way I2C clock bus with the HDMI transceiver
91	S_RAM_C $\overline{E}$	O	Chip enable signal output to the S-RAM
92	NC	O	Not used
93	S_RAM_O $\overline{E}$	O	Output enable signal output to the S-RAM
94	S_RAM_W $\overline{E}$	O	Write enable signal output to the S-RAM
95, 96	NC	O	Not used
97 to 102	TEST_1 to TEST_6	O	Test terminal
103	TEST_7	O	Boot selection signal output to the video controller
104	VSS	-	Ground terminal
105	VCC	-	Power supply terminal (+3.3V)
106 to 113	NC	O	Not used
114 to 121	S_RAM_D0 to S_RAM_D7	I/O	Two-way data bus with the S-RAM
123 to 131	S_RAM_A1 to S_RAM_A9	O	Address signal output to the S-RAM
132	VSS	-	Ground terminal
133	VCC	-	Power supply terminal (+3.3V)
134 to 138	S_RAM_A10 to S_RAM_A14	O	Address signal output to the S-RAM
139	NC	O	Not used
140	BT_VUTX_BTRX	O	Serial data output to the BT board
141	BT_VURX_BTTX	I	Serial data input from the BT board
142	SP_RST	O	Reset signal output to the HDMI transceiver "L": reset
143	SP_INT	I	Interrupt signal input from the HDMI transceiver
144	NW_M_RESET	O	Reset signal output to the network module "L": reset
145	NW_ADC_RST	O	Reset signal output to the A/D converter "L": reset
146	NW_SPI_REQ	I	Request signal input from the network module
147	NW_SPI_READY	I	Ready signal input from the network module
148	VSS	-	Ground terminal
149	VCC	-	Power supply terminal (+3.3V)
150	TEST_I2C_DATA	I/O	Two-way I2C data bus terminal Not used
151	NW_POWER	O	Not used
152	TEST_I2C_CLK	I/O	Two-way I2C clock bus terminal Not used
153	NW_SPI_C $\overline{E}$	O	Chip enable signal output to the network module
154	NW_SPI_DOUT	O	Serial data output to the network module
155	NW_SPI_DIN	I	Serial data input from the network module
156	NW_SPI_CLK	O	Serial data transfer clock signal output to the network module
157	USB_MCHG	I	Music change signal input from the audio decoder
158	VU $\overline{CTS}$ _BTRTS	I	Clear to send signal input from the BT board
159	VURTS_BTCTS	O	Return to send signal output to the BT board
160	BT_RESET	O	Reset signal output to the BT board "L": reset
161	BT_CNT	O	Power on/off control signal output terminal for Bluetooth section "H": power on
162	FLI	I/O	Two-way I2C data bus with the video controller

Pin No.	Pin Name	I/O	Description
163	NC	O	Not used
164	FLI_SCL	I/O	Two-way I2C clock bus with the video controller
165	NC	O	Not used
166	USB_IP_SDA	I/O	Two-way I2C data bus with the EEPROM
167	NC	O	Not used
168	USB_IP_SCL	I/O	Two-way I2C clock bus with the EEPROM
169	MEM_SPI_CE	O	Chip enable signal output terminal Not used
170	MEM_SPI_DOUT	O	Serial data output terminal Not used
171	MEM_SPI_DIN	I	Serial data input terminal Not used
172	MEM_SPI_CLK	O	Serial data transfer clock signal output terminal Not used
173	MEM_PATH_SEL	O	Path selection signal output terminal Not used
174	USB_SDA	I/O	Two-way I2C data bus with the audio decoder
175	BT_Mute	I	Muting request signal input from the BT board
176	VCC	-	Power supply terminal (+3.3V)

D-VIDEO NW BOARD IC3201 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 video 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_CS _n	-	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 terminal
23	UART_DO	O	Update signal output terminal
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/O	Two-way I2C clock bus with the video system controller
42	SIPC_SDATA	I/O	Two-way I2C data bus with the video 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 video deinterlacing
68	DHS	O	Horizontal sync signal output to the video deinterlacing
69	DVS	O	Vertical sync signal output to the video deinterlacing
70	DCLK	O	Output data clock signal output to the video deinterlacing
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 video deinterlacing
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 video deinterlacing
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 video deinterlacing
103	CVDD_18	-	Power supply terminal (+1.8V)
104	CRVSS	-	Ground terminal
105	GPIO49/A18	-	Not used
106	ROM_SCSn/ ROM_CS _n	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 video 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	Busy signal input from the video 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 select
220	GNDA	-	Ground terminal
221	B1P	I	Component video signal input from the video input select
222	GNDA	-	Ground terminal
223	C1P	I	Component video signal input from the video input select
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 NW BOARD IC3202 ABT1015LQ128 (VIDEO DEINTERLACING)

Pin No.	Pin Name	I/O	Description
1 to 4	RED[0] to RED [3]	O	Video signal output terminal Not used
5	PLL_VSS	-	Ground terminal (for PLL)
6	PLL_VDD	-	Power supply terminal (+1.8V) (for PLL)
7	SYSCLK	I	System clock input terminal (27 MHz)
8	IO_VDD	-	Power supply terminal (+3.3V) (for I/O)
9	IO_VSS	-	Ground terminal (for I/OL)
10, 11	RED[9], RED [10]	O	Video signal output terminal Not used
12	CORE_VDD	-	Power supply terminal (+1.8V) (for core)
13	CORE_VSS	-	Ground terminal (for core)
14	RED [11]	O	Video signal output terminal Not used
15 to 18	BLUE[0] to BLUE[3]	O	Video signal output terminal Not used
19 to 26	BLUE[4] to BLUE[11]	O	Digital video signal output to the HDMI transceiver
27	CORE_VDD	-	Power supply terminal (+1.8V) (for core)
28	CORE_VSS	-	Ground terminal (for core)
29	IO_VDD	-	Power supply terminal (+3.3V) (for I/O)
30	IO_VSS	-	Ground terminal (for I/OL)
31	HSN	O	Horizontal sync signal output to the HDMI transceiver
32	VSN	O	Vertical sync signal output to the HDMI transceiver
33	IO_VDD	-	Power supply terminal (+3.3V) (for I/O)
34	IO_VSS	-	Ground terminal (for I/OL)
35	DE	O	Data enable signal output to the HDMI transceiver
36 to 39	GREEN[0] to GREEN[3]	O	Video signal output terminal Not used
40	GREEN[4]	O	Digital video signal output to the HDMI transceiver
41	CORE_VDD	-	Power supply terminal (+1.8V) (for core)
42	CORE_VSS	-	Ground terminal (for core)
43	GREEN[5]	O	Digital video signal output to the HDMI transceiver
44	IO_VDD	-	Power supply terminal (+3.3V) (for I/O)
45	IO_VSS	-	Ground terminal (for I/OL)
46 to 51	GREEN[6] to GREEN[11]	O	Digital video signal output to the HDMI transceiver
52	INVOUTCLK	I	Not used
53	CORE_VDD	-	Power supply terminal (+1.8V) (for core)
54	CORE_VSS	-	Ground terminal (for core)
55	VOUTCLK	O	Output data clock signal output to the HDMI transceiver
56	PLL_VSS	-	Ground terminal (for PLL)
57	PLL_VDD	-	Power supply terminal (+1.8V) (for PLL)
58	IO_VDD	-	Power supply terminal (+3.3V) (for I/O)
59	IO_VSS	-	Ground terminal (for I/OL)
60	INPUTDCLK	I	Output data clock signal input from the video controller
61	SDA	I/O	Two-way I2C data bus with the video system controller
62	SCL	I/O	Two-way I2C clock bus with the video system controller
63	RESETN	I	Reset signal input from the video system controller "L": reset
64	CORE_VDD	-	Power supply terminal (+1.8V) (for core)
65	CORE_VSS	-	Ground terminal (for core)
66	INPUTDE	I	Data enable signal input from the video controller
67	INPUTHSN	I	Horizontal sync signal input from the video controller
68	INPUTVSN	I	Vertical sync signal input from the video controller
69	CORE_VDD	-	Power supply terminal (+1.8V) (for core)
70	CORE_VSS	-	Ground terminal (for core)
71, 72	INPUTCB[0], INPUTCB[1]	I	Digital video signal input from the video controller
73	IO_VDD	-	Power supply terminal (+3.3V) (for I/O)
74	IO_VSS	-	Ground terminal (for I/OL)
75 to 80	INPUTCB[2] to INPUTCB[7]	I	Digital video signal input from the video controller
81 to 84	INPUTCB[8] to INPUTCB[11]	I	Video signal input terminal Not used

Pin No.	Pin Name	I/O	Description
85 to 89	INPUTY[0] to INPUTY[4]	I	Digital video signal input from the video controller
90	IO_VDD	-	Power supply terminal (+3.3V) (for I/O)
91	IO_VSS	-	Ground terminal (for I/OL)
92 to 94	INPUTY[5] to INPUTY[7]	I	Digital video signal input from the video controller
95	CORE_VDD	-	Power supply terminal (+1.8V) (for core)
96	CORE_VSS	-	Ground terminal (for core)
97 to 100	INPUTY[8] to INPUTY[11]	I	Video signal input terminal Not used
101	IO_VSS	-	Ground terminal (for I/OL)
102	IO_VDD	-	Power supply terminal (+3.3V) (for I/O)
103 to 110	INPUTCR[0] to INPUTCR[7]	I	Digital video signal input from the video controller
111 to 114	INPUTCR[8] to INPUTCR[11]	I	Video signal input terminal Not used
115	IRQ_N	O	Not used
116	TRSTN	I	Test reset signal input terminal (for JTAG) Not used
117	TCK	I	Test clock signal input terminal (for JTAG) Not used
118	TDO	O	Test data output terminal (for JTAG) Not used
119	TDI	I	Test data input terminal (for JTAG) Not used
120	TMS	I	Test mode selection signal input terminal (for JTAG) Not used
121	IO_VDD	-	Power supply terminal (+3.3V) (for I/O)
122	RED[4]	O	Video signal output terminal Not used
123	CORE_VDD	-	Power supply terminal (+1.8V) (for core)
124	CORE_VSS	-	Ground terminal (for core)
125 to 128	RED[5] to RED [8]	O	Video signal output terminal Not used

D-VIDEO NW BOARD IC3700 SII9575CTUC (HDMI TRANSCEIVER)

Pin No.	Pin Name	I/O	Description
1 to 6	D14 to D19	I	Digital video signal input from the video deinterlacing
7	DE	I	Data enable signal input from the video deinterlacing
8	VSYNC	O	Vertical sync signal input from the video deinterlacing
9	HSYNC	O	Horizontal sync signal input from the video deinterlacing
10	R0XC-	I	TMDS clock (negative) signal input from the HDMI IN 6 (VIDEO 1) connector
11	R0XC+	I	TMDS clock (positive) signal input from the HDMI IN 6 (VIDEO 1) connector
12	R0X0-	I	TMDS data (negative) input from the HDMI IN 6 (VIDEO 1) connector
13	R0X0+	I	TMDS data (positive) input from the HDMI IN 6 (VIDEO 1) connector
14	R0X1-	I	TMDS data (negative) input from the HDMI IN 6 (VIDEO 1) connector
15	R0X1+	I	TMDS data (positive) input from the HDMI IN 6 (VIDEO 1) connector
16	R0X2-	I	TMDS data (negative) input from the HDMI IN 6 (VIDEO 1) connector
17	R0X2+	I	TMDS data (positive) input from the HDMI IN 6 (VIDEO 1) connector
18	AVDD12	-	Power supply terminal (+1.2V)
19	AVDD33	-	Power supply terminal (+3.3V)
20	R1XC-	I	TMDS clock (negative) signal input from the HDMI IN 5 (SA-CD/CD) connector
21	R1XC+	I	TMDS clock (positive) signal input from the HDMI IN 5 (SA-CD/CD) connector
22	R1X0-	I	TMDS data (negative) input from the HDMI IN 5 (SA-CD/CD) connector
23	R1X0+	I	TMDS data (positive) input from the HDMI IN 5 (SA-CD/CD) connector
24	R1X1-	I	TMDS data (negative) input from the HDMI IN 5 (SA-CD/CD) connector
25	R1X1+	I	TMDS data (positive) input from the HDMI IN 5 (SA-CD/CD) connector
26	R1X2-	I	TMDS data (negative) input from the HDMI IN 5 (SA-CD/CD) connector
27	R1X2+	I	TMDS data (positive) input from the HDMI IN 5 (SA-CD/CD) connector
28	R2XC-	I	TMDS clock (negative) signal input from the HDMI IN 4 (BD) connector
29	R2XC+	I	TMDS clock (positive) signal input from the HDMI IN 4 (BD) connector
30	R2X0-	I	TMDS data (negative) input from the HDMI IN 4 (BD) connector
31	R2X0+	I	TMDS data (positive) input from the HDMI IN 4 (BD) connector
32	R2X1-	I	TMDS data (negative) input from the HDMI IN 4 (BD) connector
33	R2X1+	I	TMDS data (positive) input from the HDMI IN 4 (BD) connector
34	R2X2-	I	TMDS data (negative) input from the HDMI IN 4 (BD) connector
35	R2X2+	I	TMDS data (positive) input from the HDMI IN 4 (BD) connector
36	AVDD12	-	Power supply terminal (+1.2V)
37	CVDD12	-	Power supply terminal (+1.2V)
38	AVDD33	-	Power supply terminal (+3.3V)
39	R3XC-	I	TMDS clock (negative) signal input from the HDMI IN 3 (SAT/CATV) connector
40	R3XC+	I	TMDS clock (positive) signal input from the HDMI IN 3 (SAT/CATV) connector
41	R3X0-	I	TMDS data (negative) input from the HDMI IN 3 (SAT/CATV) connector
42	R3X0+	I	TMDS data (positive) input from the HDMI IN 3 (SAT/CATV) connector
43	R3X1-	I	TMDS data (negative) input from the HDMI IN 3 (SAT/CATV) connector
44	R3X1+	I	TMDS data (positive) input from the HDMI IN 3 (SAT/CATV) connector
45	R3X2-	I	TMDS data (negative) input from the HDMI IN 3 (SAT/CATV) connector
46	R3X2+	I	TMDS data (positive) input from the HDMI IN 3 (SAT/CATV) connector
47	R4XC-	I	TMDS clock (negative) signal input from the HDMI IN 2 (GAME) connector
48	R4XC+	I	TMDS clock (positive) signal input from the HDMI IN 2 (GAME) connector
49	R4X0-	I	TMDS data (negative) input from the HDMI IN 2 (GAME) connector
50	R4X0+	I	TMDS data (positive) input from the HDMI IN 2 (GAME) connector
51	R4X1-	I	TMDS data (negative) input from the HDMI IN 2 (GAME) connector
52	R4X1+	I	TMDS data (positive) input from the HDMI IN 2 (GAME) connector
53	R4X2-	I	TMDS data (negative) input from the HDMI IN 2 (GAME) connector
54	R4X2+	I	TMDS data (positive) input from the HDMI IN 2 (GAME) connector
55	CVDD12	-	Power supply terminal (+1.2V)
56	AVDD33	-	Power supply terminal (+3.3V)
57	R5XC-	I	TMDS clock (negative) signal input from the HDMI IN 1 (DVD) connector
58	R5XC+	I	TMDS clock (positive) signal input from the HDMI IN 1 (DVD) connector
59	R5X0-	I	TMDS data (negative) input from the HDMI IN 1 (DVD) connector
60	R5X0+	I	TMDS data (positive) input from the HDMI IN 1 (DVD) connector
61	R5X1-	I	TMDS data (negative) input from the HDMI IN 1 (DVD) connector
62	R5X1+	I	TMDS data (positive) input from the HDMI IN 1 (DVD) connector
63	R5X2-	I	TMDS data (negative) input from the HDMI IN 1 (DVD) connector

Pin No.	Pin Name	I/O	Description
64	R5X2+	I	TMDs data (positive) input from the HDMI IN 1 (DVD) connector
65	CVCC12	-	Power supply terminal (+1.2V)
66	C_SCL	I/O	Two-way I2C clock bus with the video system controller
67	C_SDA	I/O	Two-way I2C data bus with the video system controller
68	INT	O	Interrupt signal output to the video system controller
69	RESET	I	Reset signal input from the video system controller "L": reset
70	TPWR_C12CS	I	Not used
71	CEC_A1	O	Not used
72	CEC_A0WAKEUP	O	Not used
73	DSDA6	I/O	Two-way I2C serial data bus terminal Not used
74	DSCL6	I	I2C serial data transfer clock signal input terminal Not used
75	LPSVCC33	I	Not used
76	DSDA0	I/O	Two-way I2C serial data bus with the HDMI IN 6 (VIDEO 1) connector
77	DSCL0	I	I2C serial data transfer clock signal input from the HDMI IN 6 (VIDEO 1) connector
78	CBUS_HPD0	O	Hot plug detection control signal output to the HDMI IN 6 (VIDEO 1) connector
79	R0PWR5V	I	Power supply voltage (+5V) input terminal
80	DSDA1	I/O	Two-way I2C serial data bus with the HDMI IN 5 (SA-CD/CD) connector
81	DSCL1	I	I2C serial data transfer clock signal input from the HDMI IN 5 (SA-CD/CD) connector
82	CBUS_HPD1	O	Hot plug detection control signal output to the HDMI IN 5 (SA-CD/CD) connector
83	R1PWR5V	I	Power supply voltage (+5V) input terminal
84	DSDA2	I/O	Two-way I2C serial data bus with the HDMI IN 4 (BD) connector
85	DSCL2	I	I2C serial data transfer clock signal input from the HDMI IN 4 (BD) connector
86	CBUS_HPD2	O	Hot plug detection control signal output to the HDMI IN 4 (BD) connector
87	R2PWR5V	I	Power supply voltage (+5V) input terminal
88	DSDA3	I/O	Two-way I2C serial data bus with the HDMI IN 3 (SAT/CATV) connector
89	DSCL3	I	I2C serial data transfer clock signal input from the HDMI IN 3 (SAT/CATV) connector
90	CBUS_HPD3	O	Hot plug detection control signal output to the HDMI IN 3 (SAT/CATV) connector
91	R3PWR5V	I	Power supply voltage (+5V) input terminal
92	DSDA4	I/O	Two-way I2C serial data bus with the HDMI IN 2 (GAME) connector
93	DSCL4	I	I2C serial data transfer clock signal input from the HDMI IN 2 (GAME) connector
94	CBUS_HPD4	O	Hot plug detection control signal output to the HDMI IN 2 (GAME) connector
95	R4PWR5V	I	Power supply voltage (+5V) input terminal
96	RSVDL	I	Not used
97	DSDA5	I/O	Two-way I2C serial data bus with the HDMI IN 1 (DVD) connector
98	DSCL5	I	I2C serial data transfer clock signal input from the HDMI IN 1 (DVD) connector
99	CBUS_HPD5	O	Hot plug detection control signal output to the HDMI IN 1 (DVD) connector
100	R4PWR5V	I	Power supply voltage (+5V) input terminal
101	SBVCC5V	-	Power supply terminal (+1.2V)
102	VCC33OUT	O	Power supply (+3.3V) output terminal
103, 104	GPIO0, GPIO1	I/O	Not used
105	TX_HPD0	I	Hot plug detection signal input from the HDMI OUT A ARC connector
106	TXDSDA0	I/O	Two-way I2C serial data bus with the HDMI OUT A ARC connector
107	TXDSCL0	O	I2C serial data transfer clock signal output to the HDMI OUT A ARC connector
108	TX_HPD1	I	Hot plug detection signal input from the HDMI OUT B (ZONE 2) connector
109	TXDSDA1	I/O	Two-way I2C serial data bus with the HDMI OUT B (ZONE 2) connector
110	TXDSCL1	O	I2C serial data transfer clock signal output to the HDMI OUT B (ZONE 2) connector
111	APLL12	-	Power supply terminal (+1.2V)
112	XTALVCC33	-	Power supply terminal (+3.3V)
113	XTALIN	I	System clock signal input terminal (27 MHz)
114	XTALOUT	O	System clock signal output terminal Not used
115	XTALGND	-	Ground terminal
116	CVCC12	-	Power supply terminal (+1.2V)
117 to 120	GPIO2 to GPIO5	I/O	Not used
121	WS0_OUT	O	Word select signal output to the digital audio interface receiver
122	SCK0	O	Serial data transfer clock signal output to the digital audio interface receiver
123	IOVCC33	-	Power supply terminal (+3.3V)
124	SD0_0	I	Serial data output to the digital audio interface receiver
125	MCLK	I	Master clock signal output to the digital audio interface receiver
126 to 128	SD0_1 to SD0_3	I	Serial data output to the digital audio interface receiver

Pin No.	Pin Name	I/O	Description
129	MUTEOUT	O	HDMI muting control signal output terminal
130	SPDIF0_OUT	I	S/PDIF audio signal output to the digital audio interface receiver
131, 132	GPIO11, GPIO10	I/O	Not used
133	SPDIFO_IN	I	S/PDIF audio signal input terminal Not used
134	SCK1_OUT	O	Serial data transfer clock signal output terminal Not used
135	WS1_OUT	O	Word select signal output terminal Not used
136	SPDIF1_OUT	I	S/PDIF audio signal output terminal Not used
137	ARC0	I	Audio signal input from the HDMI OUT A ARC connector
138	ARC1	I	Audio signal input terminal Not used
139	CVCC12	-	Power supply terminal (+1.2V)
140, 141	TPVDD12	-	Power supply terminal (+1.2V)
142	T0XC-	O	TMDS clock (negative) output to the HDMI OUT B (ZONE 2) connector
143	T0XC+	O	TMDS clock (positive) output to the HDMI OUT B (ZONE 2) connector
144	T0X0-	O	TMDS data (negative) output to the HDMI OUT B (ZONE 2) connector
145	T0X0+	O	TMDS data (positive) output to the HDMI OUT B (ZONE 2) connector
146	T0X1-	O	TMDS data (negative) output to the HDMI OUT B (ZONE 2) connector
147	T0X1+	O	TMDS data (positive) output to the HDMI OUT B (ZONE 2) connector
148	T0X2-	O	TMDS data (negative) output to the HDMI OUT B (ZONE 2) connector
149	T0X2+	O	TMDS data (positive) output to the HDMI OUT B (ZONE 2) connector
150, 151	TPVDD12	-	Power supply terminal (+1.2V)
152	T1XC-	O	TMDS clock (negative) output to the HDMI OUT A ARC connector
153	T1XC+	O	TMDS clock (positive) output to the HDMI OUT A ARC connector
154	T1X0-	O	TMDS data (negative) output to the HDMI OUT A ARC connector
155	T1X0+	O	TMDS data (positive) output to the HDMI OUT A ARC connector
156	T1X1-	O	TMDS data (negative) output to the HDMI OUT A ARC connector
157	T1X1+	O	TMDS data (positive) output to the HDMI OUT A ARC connector
158	T1X2-	O	TMDS data (negative) output to the HDMI OUT A ARC connector
159	T1X2+	O	TMDS data (positive) output to the HDMI OUT A ARC connector
160	CVCC12	-	Power supply terminal (+1.2V)
161, 162	D0, D1	O	Digital video signal output terminal Not used
163 to 170	D2 to D9	I	Digital video signal input from the video deinterlacing
171	D10	O	Digital video signal output terminal Not used
172	IDCK	I	Output data clock signal input from the video deinterlacing
173	IOVCC33	-	Power supply terminal (+3.3V)
174	D11	O	Digital video signal output terminal Not used
175, 176	D12, D13	I	Digital video signal input from the video deinterlacing

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)

[illegible]

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

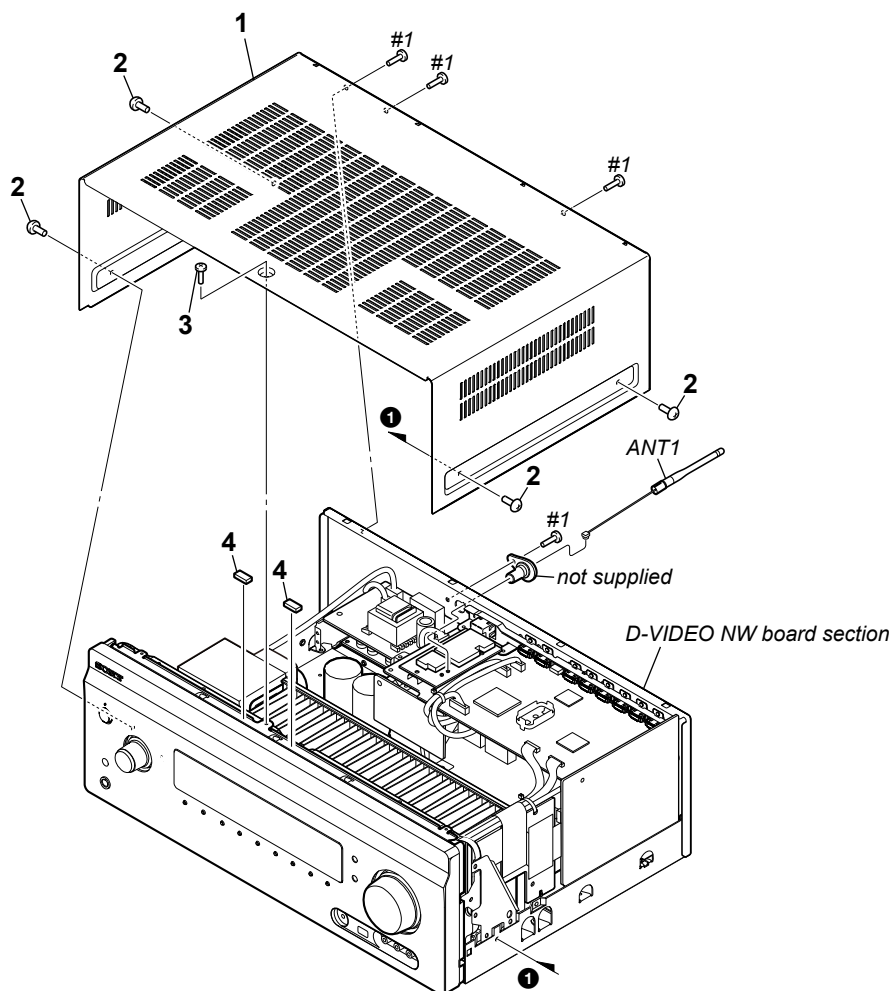
Les composants identifiés par une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

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.

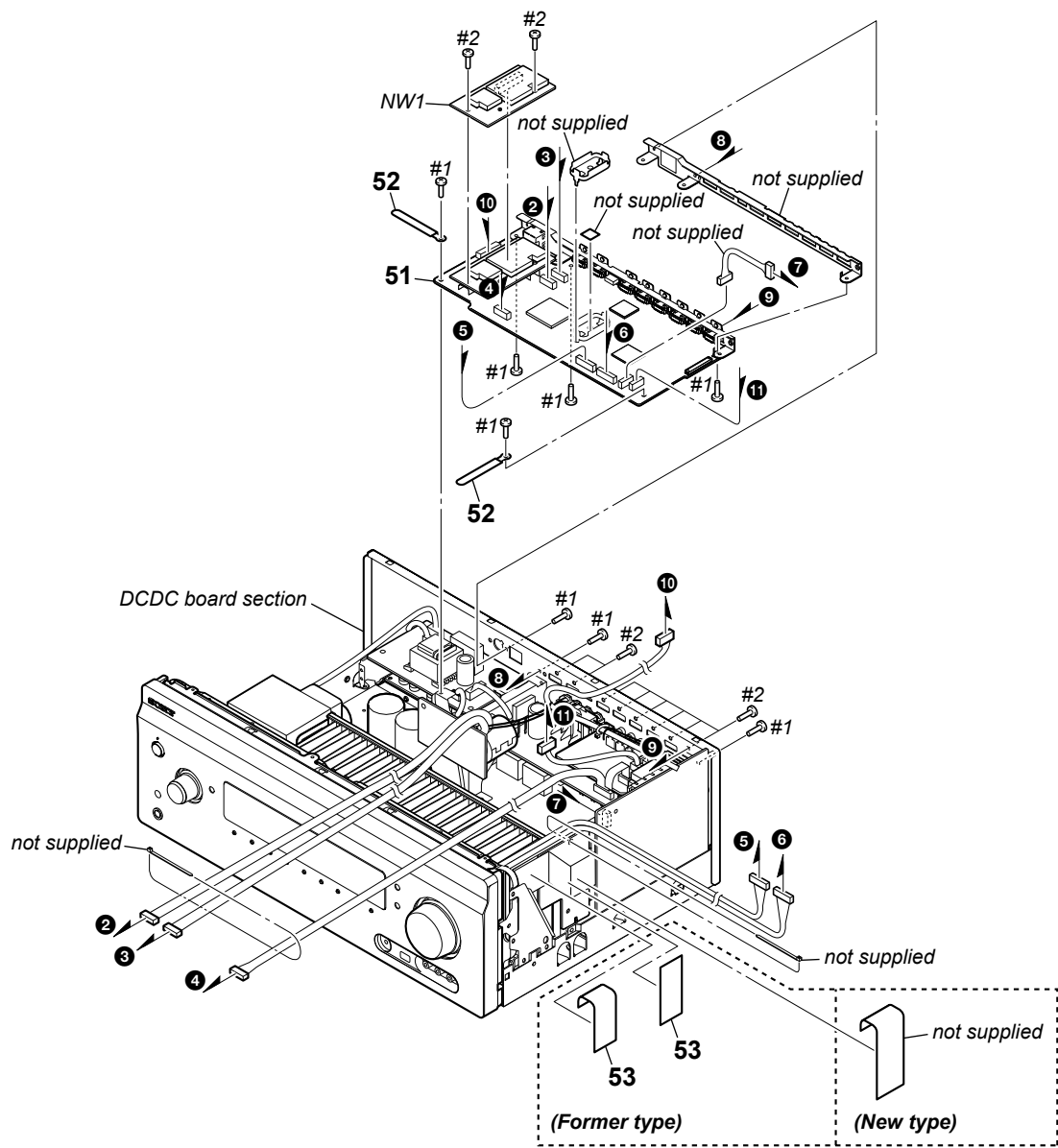
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

6-1. CASE SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-160-845-52	CASE		ANT1	1-754-804-11	ANTENNA, 2.4GHZ (WiFi)	
2	2-580-630-01	SCREW, +BVST 4X8					
3	3-906-887-11	SCREW (+BTP) (DIA. 3) (BZN-N)		#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
4	4-283-617-01	CUBIC PLASTIC					

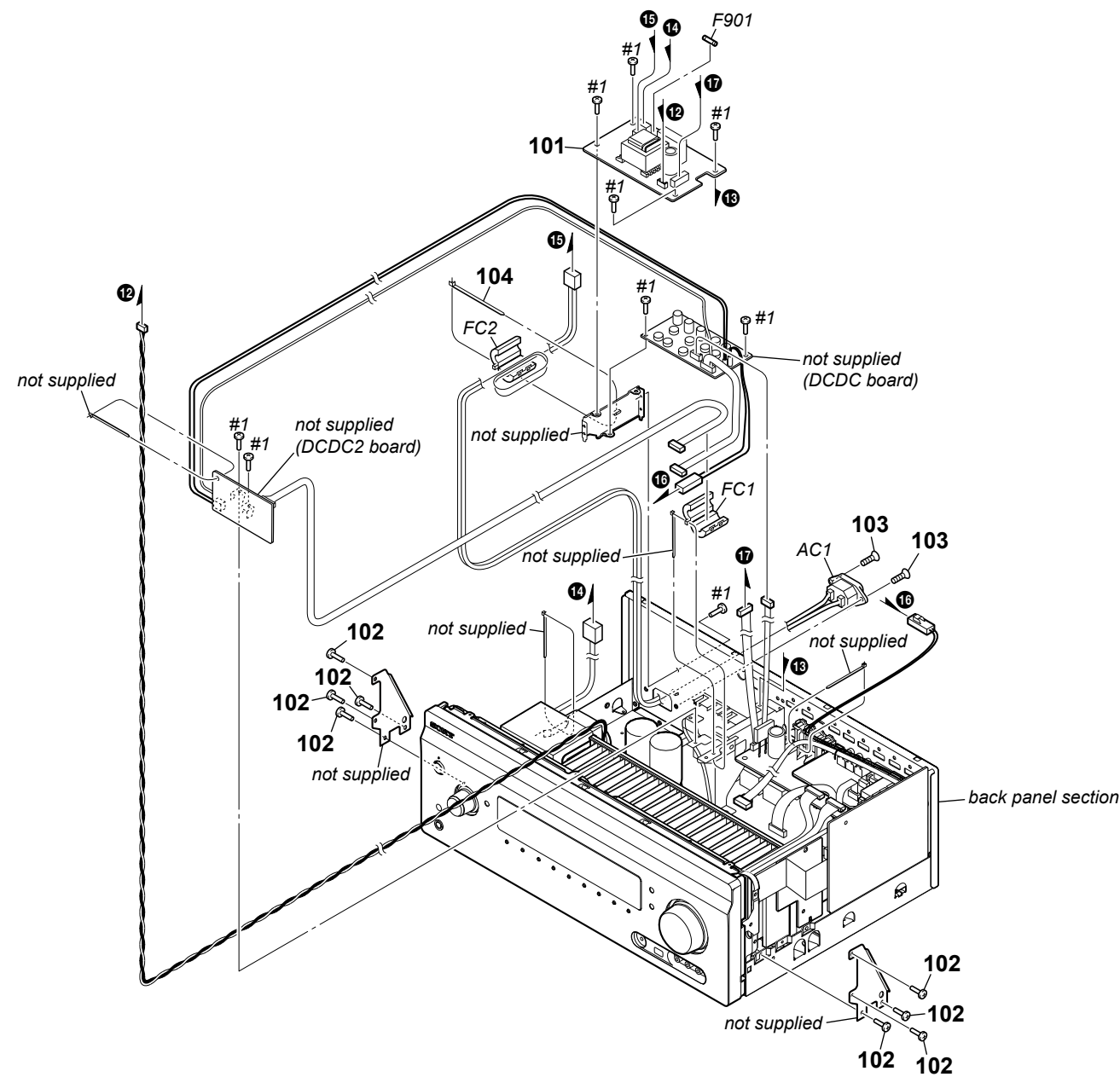
6-2. D-VIDEO NW BOARD SECTION



Note: When replacing the network module (NW1) or the D-VIDEO NW board, refer to “CHECKING METHOD OF NETWORK OPERATION” on page 5.

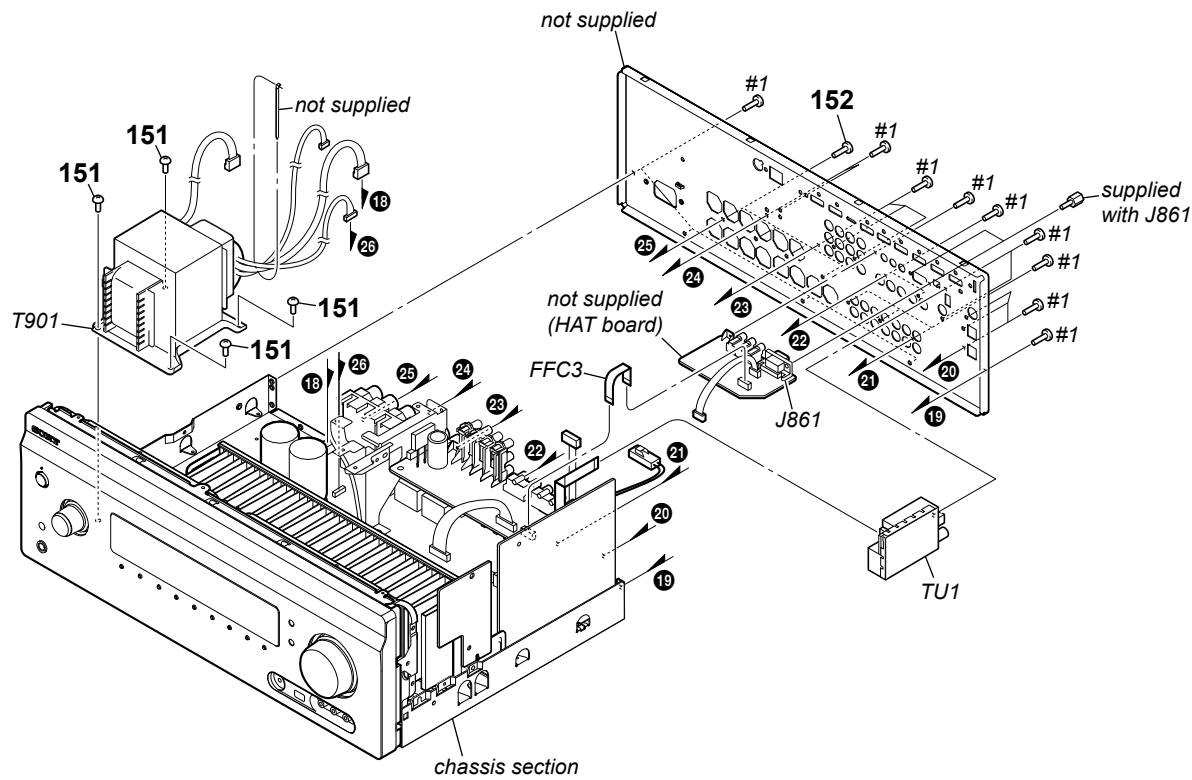
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	A-1894-004-A	D-VIDEO NW BOARD, COMPLETE (for SERVICE)		#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
* 52	3-703-150-11	CLAMP		#2	7-682-546-09	SCREW +B 3X5	
53	3-381-709-21	CUSHION, SARANET (Former type)					
NW1	A-1894-008-A	NETWORK SERVICE (NETWORK MODULE)					

6-3. DCDC BOARD SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-1867-536-A	STANDBY BOARD, COMPLETE		△ F901	1-533-311-12	FUSE, GLASS (DIA.5) (8 A/125 V)	
102	3-077-331-21	+BV3 (3-CR)		FC1	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
103	2-580-644-01	SCREW, +KTP2 3X8		FC2	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
104	3-655-653-11	BAND (TAITON), BINDING		#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
△ AC1	1-821-082-21	INLET, AC 2P					

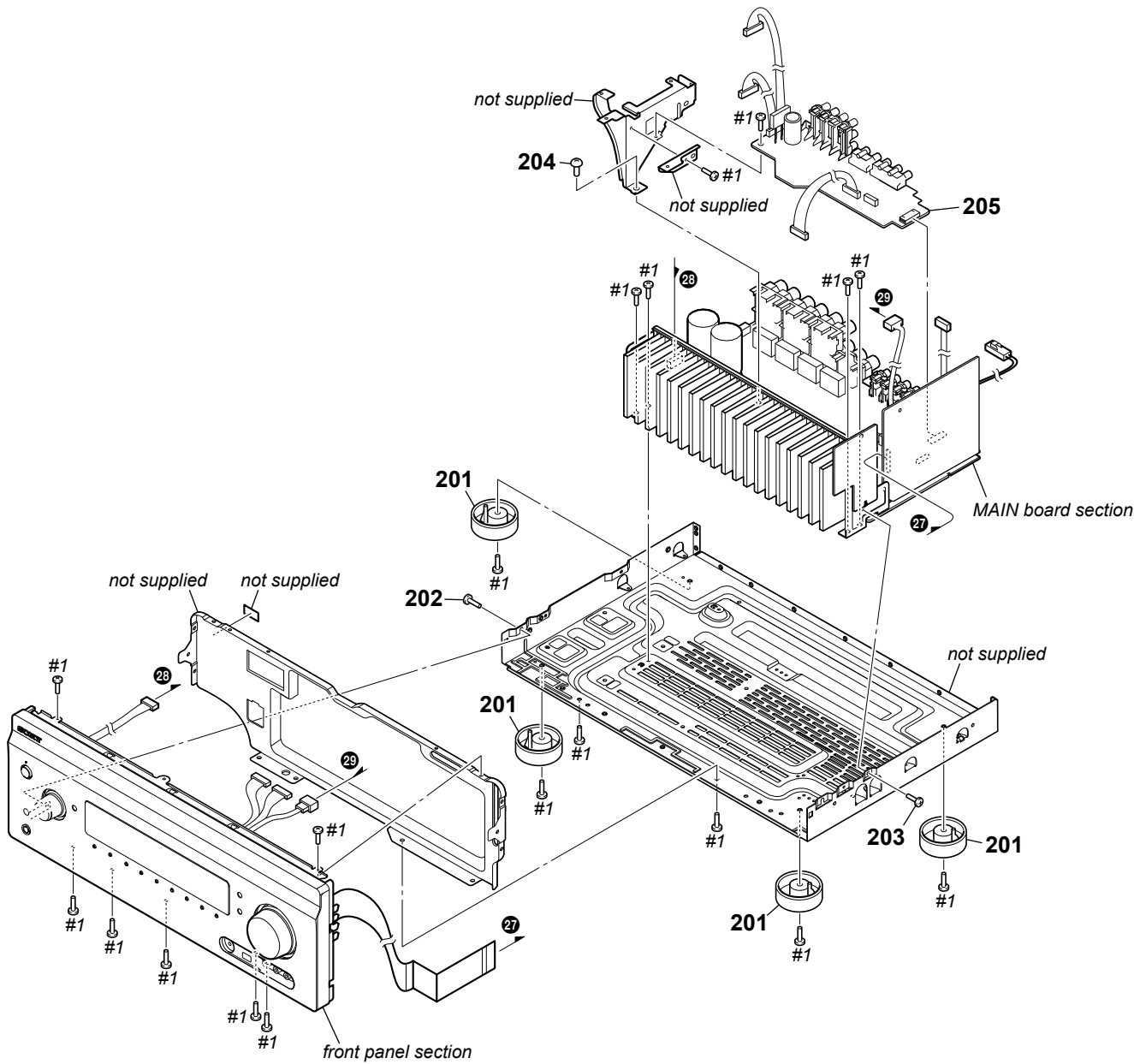
6-4. BACK PANEL SECTION



Note: Wires (flat type) for service is all straight.
Please bend it referring go “HOW TO BEND WIRE (FLAT TYPE)” on page 20 when you install it in the unit.

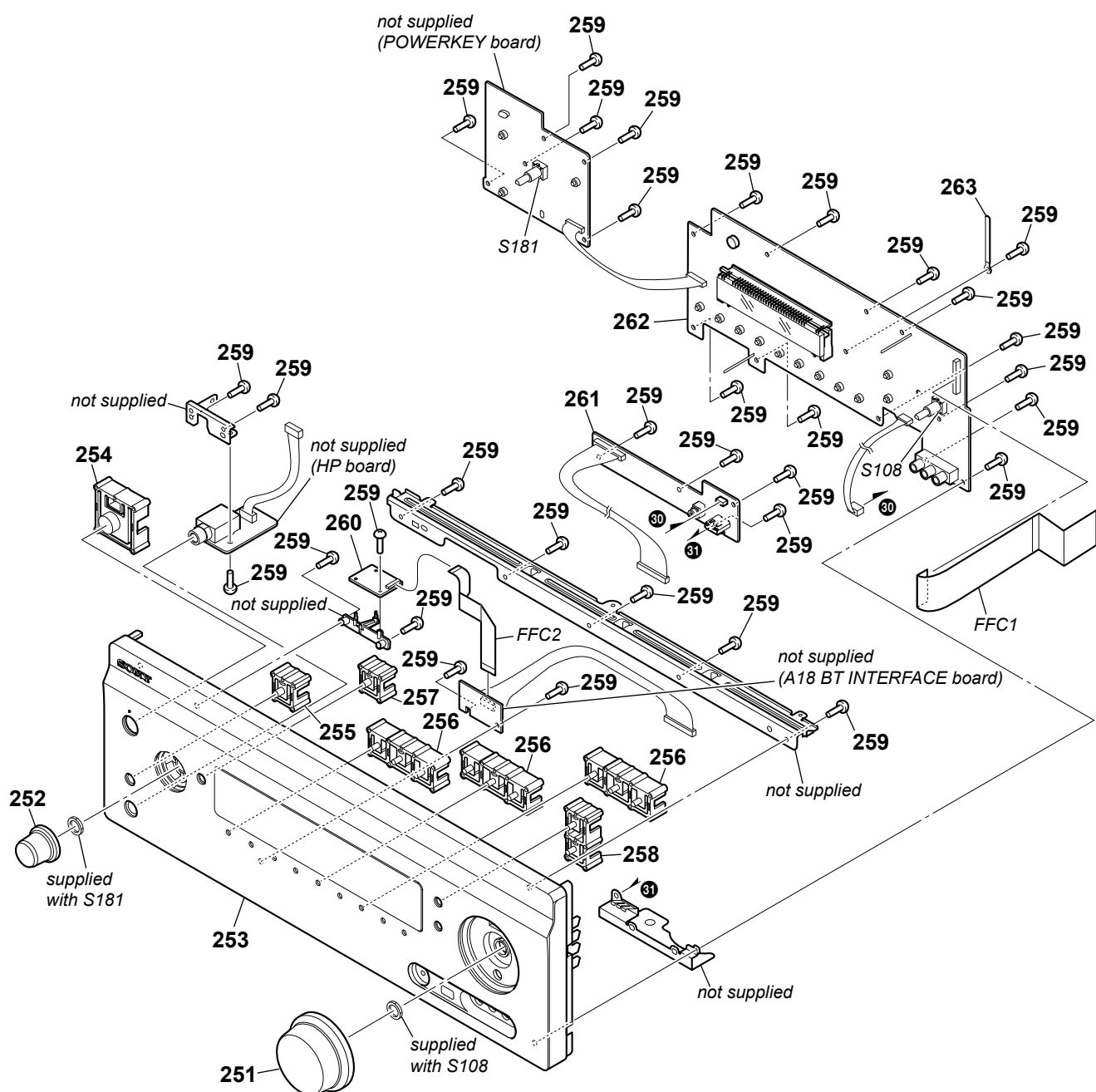
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	4-249-675-01	+BV SUMITITE S 4X6 ROUND		△ T901	1-697-117-11	POWER TRANSFORMER	
152	3-704-515-51	SCREW (BV/RING)		TU1	A-1846-564-A	TUNER1AMF ASSY (FM/AM TUNER UNIT)	
FFC3	1-828-577-11	WIRE (FLAT TYPE) (11 CORE)		#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
J861	1-822-149-11	D-SUB CONNECTOR 9P (RS232C)					

6-5. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	X-2583-799-1	ASSY, FOOT		205	A-1880-871-A	AVIDEO BOARD, COMPLETE	
202	3-906-887-11	SCREW (+BTP) (DIA. 3) (BZN-N)		#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
203	3-077-331-21	+BV3 (3-CR)					
204	2-580-630-01	SCREW, +BVST 4X8					

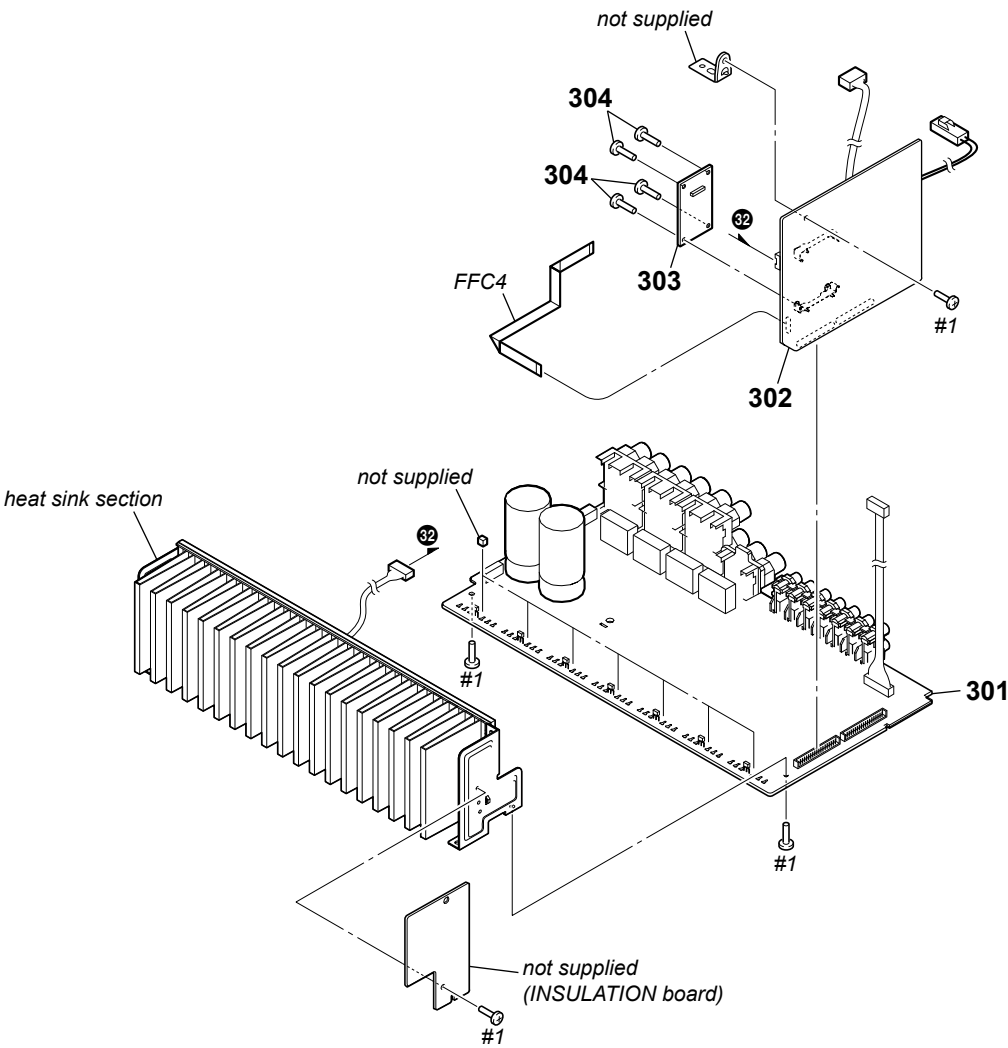
6-6. FRONT PANEL SECTION



Note: Wires (flat type) for service is all straight.
Please bend it referring go “HOW TO BEND WIRE (FLAT TYPE)” on page 20 when you install it in the unit.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	4-423-347-01	KNOB, VOL A-8		259	3-087-053-01	+BVTP2.6 (3CR)	
252	4-284-031-01	KNOB (MENU)		260	A-1833-832-A	BT BOARD, COMPLETE	
253	X-2585-477-1	FRONT ASSY. A18 SERVICE					
254	4-423-345-01	BUTTON, POWER LED (I/⏻)		261	A-1881-835-A	USB BOARD, COMPLETE	
255	4-423-346-01	BUTTON, SPEAKERS		262	A-1881-834-A	DISPLAY BOARD, COMPLETE	
		(SPEAKERS (OFF/A/B/A+B))		* 263	3-703-150-11	CLAMP	
				FFC1	1-828-412-11	WIRE (FLAT TYPE) (29 CORE)	
256	4-423-344-01	BUTTON, FUNCTION 3		FFC2	1-828-663-11	WIRE (FLAT TYPE) (14 CORE)	
		(BLUETOOTH, PARTY, TONE, TONE MODE, 2CH/A.DIRECT, A.F.D., MOVIE/HD-D.C.S., MUSIC)		S108	1-418-725-41	ENCODER, ROTARY (12 TYPE)	
257	4-423-343-01	BUTTON, MODE A28 (INPUT MODE)				(MASTER VOLUME)	
258	4-423-342-01	BUTTON, MODE 2 (DISPLAY MODE, DIMMER)		S181	1-418-817-21	ENCODER, ROTARY (INPUT SELECTOR)	

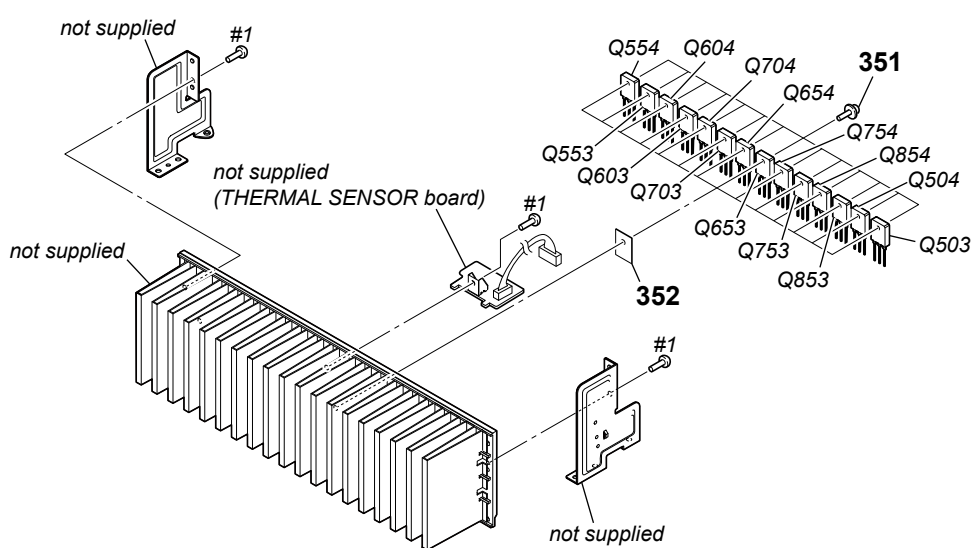
6-7. MAIN BOARD SECTION



Note: Wires (flat type) for service is all straight.
Please bend it referring go “HOW TO BEND WIRE (FLAT TYPE)” on page 20 when you install it in the unit.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	A-1867-533-A	MAIN BOARD, COMPLETE		FFC4	1-828-311-51	WIRE (FLAT TYPE) (9 CORE)	
302	A-1894-022-A	DIGITAL BOARD, COMPLETE		#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
303	A-1886-376-A	DSP BOARD, COMPLETE					
304	3-087-053-01	+BVTP2.6 (3CR)					

6-8. HEAT SINK SECTION



Note: TRANSISTOR is including MICA SHEET

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	3-905-609-13	SCREW (TRANSISTOR)		Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
352	9-913-401-64	SHEET, MICA (for SERVICE)		Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK		Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK		Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q553	6-702-390-01	TRANSISTOR MN2488-OPY-MK		Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q554	6-702-391-01	TRANSISTOR MP1620-OPY-MK		Q853	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK		Q854	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK		#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK					

SECTION 7
ELECTRICAL PARTS LIST

A18 BT INTERFACE AVIDEO

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. . .

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			
		A18 BT INTERFACE BOARD	*****			
		< CONNECTOR >				
CN2700	1-784-866-61	CONNECTOR, FFC (LIF (NON-ZIF)) 14P	*****			
		A-1880-871-A AVIDEO BOARD, COMPLETE	*****			
		< CAPACITOR >				
C201	1-116-726-11	CERAMIC CHIP 2.2uF	10%	25V		
C202	1-116-726-11	CERAMIC CHIP 2.2uF	10%	25V		
C203	1-126-947-11	ELECT 47uF	20%	35V		
C204	1-126-947-11	ELECT 47uF	20%	35V		
C205	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V		
C207	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V		
C214	1-126-964-11	ELECT 10uF	20%	50V		
C216	1-126-964-11	ELECT 10uF	20%	50V		
C219	1-165-908-11	CERAMIC CHIP 1uF	10%	10V		
C220	1-115-416-11	CERAMIC CHIP 0.001uF	5%	25V		
C255	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V		
C904	1-126-946-11	ELECT 6800uF	20%	25V		
C940	1-100-756-91	CERAMIC CHIP 0.047uF	10%	50V		
C941	1-100-756-91	CERAMIC CHIP 0.047uF	10%	50V		
C995	1-114-868-11	CERAMIC CHIP 0.1uF	10%	50V		
C996	1-114-868-11	CERAMIC CHIP 0.1uF	10%	50V		
C998	1-126-942-61	ELECT 1000uF	20%	25V		
C6003	1-126-964-11	ELECT 10uF	20%	50V		
C6005	1-126-964-11	ELECT 10uF	20%	50V		
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		
C6077	1-126-964-11	ELECT 10uF	20%	50V		
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		

Ref. No.	Part No.	Description	Remark			
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		
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		
C6523	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V		
C6524	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V		
C6525	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V		
C6526	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V		
C6527	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V		
C6528	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V		
C6529	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V		
C6530	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V		
C6531	1-116-734-11	CERAMIC CHIP 1uF	20%	16V		
C6532	1-126-925-91	ELECT 470uF	20%	10V		
C6533	1-116-734-11	CERAMIC CHIP 1uF	20%	16V		
C6535	1-116-726-11	CERAMIC CHIP 2.2uF	10%	25V		
C6536	1-126-947-11	ELECT 47uF	20%	35V		
C6541	1-116-726-11	CERAMIC CHIP 2.2uF	10%	25V		
C6542	1-116-726-11	CERAMIC CHIP 2.2uF	10%	25V		
C6543	1-116-734-11	CERAMIC CHIP 1uF	20%	16V		
C6544	1-116-734-11	CERAMIC CHIP 1uF	20%	16V		
C6545	1-116-734-11	CERAMIC CHIP 1uF	20%	16V		
C6546	1-116-734-11	CERAMIC CHIP 1uF	20%	16V		
C6547	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V		
		< CONNECTOR >				
CN271	1-843-269-11	BOARD TO BOARD CONNECTOR 16P				
CN809	1-820-113-41	CONNECTOR, FFC/FPC 11P				
		< DIODE >				
D941	8-719-061-07	DIODE D5SBA60-F				
D943	6-502-398-01	DIODE SA10QA04				
D946	6-502-398-01	DIODE SA10QA04				
D947	6-502-398-01	DIODE SA10QA04				

AVIDEO

BT

D-VIDEO NW

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D948	6-502-398-01	DIODE SA10QA04		R6029	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
D949	8-719-053-18	DIODE 1SR154-400TE-25		R6031	1-216-805-11	METAL CHIP 47 5% 1/10W	
D950	8-719-053-18	DIODE 1SR154-400TE-25		R6032	1-216-805-11	METAL CHIP 47 5% 1/10W	
D951	8-719-053-18	DIODE 1SR154-400TE-25		R6033	1-216-864-11	SHORT CHIP 0	
D952	8-719-053-18	DIODE 1SR154-400TE-25		R6037	1-216-864-11	SHORT CHIP 0	
D953	8-719-053-18	DIODE 1SR154-400TE-25		R6038	1-216-864-11	SHORT CHIP 0	
D954	8-719-053-18	DIODE 1SR154-400TE-25		R6039	1-216-864-11	SHORT CHIP 0	
		< FERRITE BEAD >		R6040	1-216-864-11	SHORT CHIP 0	
FB001	1-400-703-21	(3216, EMI FERRITE (SMD))		R6041	1-216-864-11	SHORT CHIP 0	
FB002	1-400-703-21	(3216, EMI FERRITE (SMD))		R6043	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
FB003	1-400-703-21	(3216, EMI FERRITE (SMD))		R6044	1-218-855-11	METAL CHIP 2.2K 0.5% 1/10W	
		< IC >		R6045	1-218-835-11	METAL CHIP 330 0.5% 1/10W	
IC201	6-717-138-01	IC KIA7805AF-RTF/PW		R6046	1-218-879-11	METAL CHIP 22K 0.5% 1/10W	
IC202	6-717-136-01	IC KIA7905F-RTF/PW		R6047	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC203	6-710-821-01	IC NJM2505AF (TE2)				*****	
IC223	6-716-302-01	IC NJU7181RB1 (TE2)		A-1833-832-A	BT BOARD, COMPLETE		
IC6014	6-715-183-01	IC NJW1327FU1			*****		
IC6015	6-714-424-01	IC MM3404A33NRE			When the BT board is defective, exchange the complete mounted board.		
IC6016	6-711-505-01	IC BA00DD0WHFP-TR			*****		
IC6018	6-712-294-01	IC KIA7807API-U/PF		Ⓜ	A-1894-004-A	D-VIDEO NW BOARD, COMPLETE (for SERVICE)	
IC6019	6-712-295-01	IC KIA7907PI			*****		
		< JACK >			< CAPACITOR >		
J6002	1-815-043-11	JACK, PIN 2P (VIDEO 1/SAT/CATV VIDEO IN)		C3000	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
J6003	1-794-978-11	JACK, PIN 3P		C3004	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
		(ZONE 2/MONITOR/VIDEO 1 VIDEO IN)		C3005	1-128-994-21	ELECT CHIP 47uF 20% 10V	
J6005	1-842-142-11	JACK, PIN 6P		C3006	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
		(COMPONENT VIDEO ZONE 2/MONITOR OUT)		C3007	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V	
J6006	1-842-142-11	JACK, PIN 6P		C3008	1-112-746-11	CERAMIC CHIP 4.7uF 10% 6.3V	
		(COMPONENT VIDEO ASSIGNABLE		C3011	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
		(INPUT ONLY) IN 1 (DVD)/IN 2 (SAT/CATV))		C3012	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
		< RESISTOR >		C3013	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
R201	1-216-864-11	SHORT CHIP 0		C3014	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
R204	1-218-823-11	METAL CHIP 100 0.5% 1/10W		C3018	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V	
R205	1-218-823-11	METAL CHIP 100 0.5% 1/10W		C3019	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
R233	1-216-845-11	METAL CHIP 100K 5% 1/10W		C3020	1-164-866-11	CERAMIC CHIP 47PF 5% 50V	
R235	1-216-849-11	METAL CHIP 220K 5% 1/10W		C3021	1-164-850-11	CERAMIC CHIP 10PF 0.5PF 50V	
R236	1-216-845-11	METAL CHIP 100K 5% 1/10W		C3022	1-128-994-21	ELECT CHIP 47uF 20% 10V	
R293	1-216-845-11	METAL CHIP 100K 5% 1/10W		C3023	1-112-746-11	CERAMIC CHIP 4.7uF 10% 6.3V	
R2592	1-216-825-11	METAL CHIP 2.2K 5% 1/10W		C3025	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
R2593	1-216-825-11	METAL CHIP 2.2K 5% 1/10W		C3026	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
R6002	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3027	1-165-492-21	ELECT CHIP 100uF 20% 10V	
R6003	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3028	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
R6004	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3029	1-112-746-11	CERAMIC CHIP 4.7uF 10% 6.3V	
R6005	1-216-833-11	METAL CHIP 10K 5% 1/10W		C3030	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
R6013	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3031	1-112-746-11	CERAMIC CHIP 4.7uF 10% 6.3V	
R6014	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3032	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
R6015	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3033	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
R6016	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3034	1-112-746-11	CERAMIC CHIP 4.7uF 10% 6.3V	
R6017	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3035	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
R6018	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3036	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
R6021	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3043	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
R6022	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3044	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V	
R6024	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3045	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V	
R6025	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3046	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V	
R6027	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3047	1-116-737-11	CERAMIC CHIP 1uF 20% 10V	
R6028	1-211-990-11	METAL CHIP 75 0.5% 1/10W		C3048	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V	
				C3049	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V	
				C3050	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V	

Note: When replacing the D-VIDEO NW board, refer to "CHECKING METHOD OF NETWORK OPERATION" on page 5.

D-VIDEO NW

110

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C3298	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C3705	1-116-729-11	CERAMIC CHIP	2.2uF	20%	10V
C3299	1-165-708-11	ELECT CHIP	47uF	20%	6.3V	C3706	1-116-729-11	CERAMIC CHIP	2.2uF	20%	10V
C3300	1-164-935-11	CERAMIC CHIP	470PF	10%	50V	C3707	1-116-729-11	CERAMIC CHIP	2.2uF	20%	10V
C3301	1-164-935-11	CERAMIC CHIP	470PF	10%	50V	C3708	1-116-729-11	CERAMIC CHIP	2.2uF	20%	10V
C3302	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	C3709	1-116-729-11	CERAMIC CHIP	2.2uF	20%	10V
C3303	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C3710	1-116-729-11	CERAMIC CHIP	2.2uF	20%	10V
C3304	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C3711	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3305	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C3712	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3306	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C3713	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3307	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	C3714	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3308	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C3715	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3310	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C3716	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3311	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C3718	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3312	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C3719	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3313	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C3720	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3314	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C3721	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3316	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C3722	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3317	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	C3723	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3318	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	C3724	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3319	1-218-990-81	SHORT CHIP	0			C3725	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3320	1-218-990-81	SHORT CHIP	0			C3726	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3321	1-218-990-81	SHORT CHIP	0			C3727	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3322	1-218-990-81	SHORT CHIP	0			C3728	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3323	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C3729	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3324	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C3730	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3325	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C3731	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3326	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C3732	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3327	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V	C3733	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3328	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V	C3734	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3329	1-100-906-11	CERAMIC CHIP	0.01uF	10%	16V	C3735	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3330	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	C3736	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3331	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	C3740	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3332	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	C3741	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3333	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	C3743	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3334	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V	C3744	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C3335	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V	C3777	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C3336	1-100-906-11	CERAMIC CHIP	0.01uF	10%	16V	C3778	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C3337	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	C3801	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3338	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	C3802	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3341	1-114-802-11	CERAMIC CHIP	0.0033uF	10%	50V	C3803	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3342	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	C3804	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3343	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V	C3805	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3344	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V	C3806	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C3345	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V	C3810	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3346	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V	C3811	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3347	1-100-908-11	CERAMIC CHIP	1uF	10%	6.3V	C3812	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C3348	1-116-717-11	CERAMIC CHIP	10uF	20%	10V	C3871	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3349	1-116-717-11	CERAMIC CHIP	10uF	20%	10V	C3872	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C3451	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V	C3877	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C3452	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V	C3878	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3453	1-116-743-11	CERAMIC CHIP	0.22uF	10%	16V	C3879	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C3454	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C3883	1-100-354-21	ELECT CHIP	220uF	20%	6.3V
C3507	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C7004	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3538	1-164-852-11	CERAMIC CHIP	12PF	5%	50V	C7005	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3540	1-164-852-11	CERAMIC CHIP	12PF	5%	50V	C7006	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3700	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	C7007	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C3701	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	C7008	1-114-813-11	CERAMIC CHIP	1uF	10%	16V
C3702	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	C7009	1-114-813-11	CERAMIC CHIP	1uF	10%	16V
C3703	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	C7010	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3704	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	C7011	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

STR-DA1800ES

D-VIDEO NW

Ref. No.	Part No.	Description	Remark		
C7012	1-164-854-11	CERAMIC CHIP 15PF	5%	50V	
C7013	1-164-854-11	CERAMIC CHIP 15PF	5%	50V	
C7014	1-164-870-11	CERAMIC CHIP 68PF	5%	50V	
C7015	1-164-870-11	CERAMIC CHIP 68PF	5%	50V	
C7016	1-114-472-91	CERAMIC CHIP 0.001uF	10%	2KV	
C7017	1-164-937-11	CERAMIC CHIP 0.001uF	10%	50V	
C7023	1-114-868-11	CERAMIC CHIP 0.1uF	10%	50V	
C7024	1-114-868-11	CERAMIC CHIP 0.1uF	10%	50V	
C7026	1-114-813-11	CERAMIC CHIP 1uF	10%	16V	
C7030	1-116-078-11	CERAMIC CHIP 1uF	10%	50V	
C7031	1-164-854-11	CERAMIC CHIP 15PF	5%	50V	
C7032	1-164-854-11	CERAMIC CHIP 15PF	5%	50V	
C7033	1-164-854-11	CERAMIC CHIP 15PF	5%	50V	
C7034	1-164-854-11	CERAMIC CHIP 15PF	5%	50V	
C7035	1-164-854-11	CERAMIC CHIP 15PF	5%	50V	
C7036	1-164-870-11	CERAMIC CHIP 68PF	5%	50V	
C7037	1-164-870-11	CERAMIC CHIP 68PF	5%	50V	
C7038	1-164-870-11	CERAMIC CHIP 68PF	5%	50V	
C7039	1-164-870-11	CERAMIC CHIP 68PF	5%	50V	
C7040	1-164-874-11	CERAMIC CHIP 100PF	5%	50V	
C7042	1-164-870-11	CERAMIC CHIP 68PF	5%	50V	
C7043	1-125-777-11	CERAMIC CHIP 0.1uF	10%	10V	
C7045	1-125-777-11	CERAMIC CHIP 0.1uF	10%	10V	
C7047	1-114-868-11	CERAMIC CHIP 0.1uF	10%	50V	
C7048	1-165-492-21	ELECT CHIP 100uF	20%	10V	
C7049	1-124-779-00	ELECT CHIP 10uF	20%	16V	
C7050	1-165-492-21	ELECT CHIP 100uF	20%	10V	
C7051	1-124-779-00	ELECT CHIP 10uF	20%	16V	
C7052	1-114-868-11	CERAMIC CHIP 0.1uF	10%	50V	
C7054	1-124-779-00	ELECT CHIP 10uF	20%	16V	
C7055	1-124-779-00	ELECT CHIP 10uF	20%	16V	
C7056	1-124-779-00	ELECT CHIP 10uF	20%	16V	
C7057	1-124-779-00	ELECT CHIP 10uF	20%	16V	
C7063	1-164-937-11	CERAMIC CHIP 0.001uF	10%	50V	
C7064	1-164-937-11	CERAMIC CHIP 0.001uF	10%	50V	
C7065	1-116-737-11	CERAMIC CHIP 1uF	20%	10V	
C7066	1-125-777-11	CERAMIC CHIP 0.1uF	10%	10V	
C7067	1-164-933-11	CERAMIC CHIP 220PF	10%	50V	
C7068	1-164-933-11	CERAMIC CHIP 220PF	10%	50V	
C7071	1-162-964-11	CERAMIC CHIP 0.001uF	10%	50V	
C7072	1-107-826-11	CERAMIC CHIP 0.1uF	10%	16V	
C7075	1-162-979-11	CERAMIC CHIP 0.0027uF	10%	50V	
C7076	1-162-979-11	CERAMIC CHIP 0.0027uF	10%	50V	
C7077	1-125-777-11	CERAMIC CHIP 0.1uF	10%	10V	
C7078	1-116-737-11	CERAMIC CHIP 1uF	20%	10V	
C7120	1-116-737-11	CERAMIC CHIP 1uF	20%	10V	
C7122	1-116-737-11	CERAMIC CHIP 1uF	20%	10V	
C7123	1-125-777-11	CERAMIC CHIP 0.1uF	10%	10V	
C7124	1-125-777-11	CERAMIC CHIP 0.1uF	10%	10V	
C7125	1-164-227-11	CERAMIC CHIP 0.022uF	10%	25V	
< CONNECTOR >					
CN3000	1-784-859-51	CONNECTOR, FFC (LIF (NON-ZIF)) 7P			
CN3001	1-784-210-21	CONNECTOR 7P			
CN3005	(Not supplied)	BOARD TO BOARD CONNECTOR 28P			
CN3007	1-817-097-21	PIN, CONNECTOR (1.5 mm) (SMD) 13P			
CN3008	1-766-376-21	PIN, CONNECTOR (1.5 mm) (SMD) 9P			
CN3009	1-779-993-11	PIN, CONNECTOR (PWB) 5P			
CN3010	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
CN3011	1-794-509-11	PIN, CONNECTOR (PC BOARD) (3P)			

Ref. No.	Part No.	Description	Remark	
CN3012	1-573-806-21	PIN, CONNECTOR (1.5 mm) (SMD) 6P		
CN3200	1-779-992-11	PIN, CONNECTOR (PWB) 8P		
CN3203	1-764-250-21	PIN, CONNECTOR (PC BOARD) 4P		
CN3204	1-785-125-21	CONNECTOR 6P		
CN3700	1-843-425-11	CONNECTOR, HDMI (HDMI IN 6 (VIDEO 1) 4K)		
CN3701	1-843-425-11	CONNECTOR, HDMI (HDMI IN 5 (SA-CD/CD) for AUDIO)		
CN3702	1-843-425-11	CONNECTOR, HDMI (HDMI IN 4 (BD) 4K for AUDIO)		
CN3703	1-843-425-11	CONNECTOR, HDMI (HDMI IN 3 (SAT/CATV))		
CN3704	1-843-425-11	CONNECTOR, HDMI (HDMI IN 2 (GAME))		
CN3705	1-843-425-11	CONNECTOR, HDMI (HDMI IN 1 (DVD))		
CN3706	1-843-425-11	CONNECTOR, HDMI (HDMI OUT B (ZONE 2))		
CN3707	1-843-425-11	CONNECTOR, HDMI (HDMI OUT A ARC)		
CN7001	1-842-160-11	CONNECTOR, BOARD TO BOARD 120P		
CN7002	1-842-386-11	ETHERNET CONNECTOR (RJ45)		
* CN7003	1-691-591-11	PIN, CONNECTOR (1.5 mm) (SMD) 8P		
< DIODE >				
D3000	8-719-049-09	DIODE 1SS367-T3SONY		
D3001	8-719-049-09	DIODE 1SS367-T3SONY		
D3003	8-719-049-09	DIODE 1SS367-T3SONY		
D3004	8-719-049-09	DIODE 1SS367-T3SONY		
D3005	8-719-053-18	DIODE 1SR154-400TE-25		
D3851	6-502-961-01	DIODE DA2J10100L		
D3852	6-502-961-01	DIODE DA2J10100L		
D7002	8-719-049-09	DIODE 1SS367-T3SONY		
D7003	8-719-049-09	DIODE 1SS367-T3SONY		
D7004	8-719-049-09	DIODE 1SS367-T3SONY		
D7005	8-719-049-09	DIODE 1SS367-T3SONY		
< EARTH TERMINAL >				
* ET3701	1-780-408-11	TERMINAL, LUG		
* ET3702	1-780-408-11	TERMINAL, LUG		
* ET7001	1-780-408-11	TERMINAL, LUG		
< FERRITE BEAD >				
FB3000	1-400-862-11	BEAD, FERRITE		
FB3001	1-400-862-11	BEAD, FERRITE		
FB3002	1-469-139-21	FERRITE, EMI (SMD) (2012)		
FB3003	1-469-139-21	FERRITE, EMI (SMD) (2012)		
FB3004	1-400-862-11	BEAD, FERRITE		
FB3006	1-400-862-11	BEAD, FERRITE		
FB3007	1-400-862-11	BEAD, FERRITE		
FB3008	1-400-862-11	BEAD, FERRITE		
FB3201	1-400-862-11	BEAD, FERRITE		
FB3202	1-400-862-11	BEAD, FERRITE		
FB3204	1-400-862-11	BEAD, FERRITE		
* FB3206	1-400-973-21	INDUCTOR (EMI FERRITE)		
FB3700	1-481-348-21	EMI FERRITE (SMD) (1608)		
FB3701	1-216-864-11	SHORT CHIP 0		
FB3702	1-400-921-21	FERRITE, EMI (SMD)		
FB3703	1-216-864-11	SHORT CHIP 0		
FB3705	1-216-864-11	SHORT CHIP 0		
FB3706	1-216-864-11	SHORT CHIP 0		
FB3707	1-216-864-11	SHORT CHIP 0		
FB3708	1-216-864-11	SHORT CHIP 0		
FB3709	1-216-864-11	SHORT CHIP 0		
FB3710	1-216-864-11	SHORT CHIP 0		
FB3711	1-216-864-11	SHORT CHIP 0		

Note: CN3005 on the D-VIDEO NW board cannot exchange with single.
When this part is damaged, exchange the complete mounted board.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
FB3712	1-216-864-11	SHORT CHIP 0		R3004	1-218-965-11	METAL CHIP 10K 5%	1/16W
FB3713	1-414-772-11	FERRITE. EMI (SMD) (2012)		R3005	1-218-933-11	METAL CHIP 22 5%	1/16W
FB3714	1-414-772-11	FERRITE. EMI (SMD) (2012)		R3006	1-218-965-11	METAL CHIP 10K 5%	1/16W
FB3715	1-469-139-21	FERRITE, EMI (SMD) (2012)		R3007	1-218-953-11	METAL CHIP 1K 5%	1/16W
FB3716	1-400-921-21	FERRITE, EMI (SMD)		R3008	1-218-933-11	METAL CHIP 22 5%	1/16W
FB7000	1-400-862-11	BEAD, FERRITE		R3009	1-218-965-11	METAL CHIP 10K 5%	1/16W
FB7001	1-469-139-21	FERRITE, EMI (SMD) (2012)		R3010	1-218-933-11	METAL CHIP 22 5%	1/16W
FB7002	1-469-139-21	FERRITE, EMI (SMD) (2012)		R3011	1-218-933-11	METAL CHIP 22 5%	1/16W
FB7003	1-400-794-21	EMI FERRITE (SMD) (1608)		R3012	1-218-941-81	METAL CHIP 100 5%	1/16W
		< IC >		R3013	1-218-933-11	METAL CHIP 22 5%	1/16W
				R3014	1-218-965-11	METAL CHIP 10K 5%	1/16W
IC3000	A-1894-005-A	IC MB91F644PMC-GE1 (for SERVICE)		R3015	1-218-965-11	METAL CHIP 10K 5%	1/16W
IC3001	6-707-870-01	IC TC74VHC157FT (EKJ)		R3016	1-218-941-81	METAL CHIP 100 5%	1/16W
IC3002	6-711-185-01	IC TC74VHCX257FT (EL)		R3017	1-218-933-11	METAL CHIP 22 5%	1/16W
IC3003	6-702-913-01	IC S-80929CNMC-G8ZT2G		R3019	1-218-965-11	METAL CHIP 10K 5%	1/16W
IC3005	6-713-560-01	IC MFI341S2162		R3021	1-218-965-11	METAL CHIP 10K 5%	1/16W
IC3006	6-707-870-01	IC TC74VHC157FT (EKJ)		R3022	1-218-937-11	METAL CHIP 47 5%	1/16W
IC3008	(Not supplied)	IC R1LV5256ESA-5SI-S0		R3023	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
IC3009	6-711-237-01	IC NJM2878F3-33 (TE2)		R3024	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
IC3010	6-715-134-01	IC MM3404A33URE		R3025	1-218-937-11	METAL CHIP 47 5%	1/16W
IC3011	6-705-312-01	IC S-T111B33MC-OGSTFG		R3026	1-218-937-11	METAL CHIP 47 5%	1/16W
IC3012	6-707-870-01	IC TC74VHC157FT (EKJ)		R3027	1-218-933-11	METAL CHIP 22 5%	1/16W
IC3013	6-707-870-01	IC TC74VHC157FT (EKJ)		R3028	1-218-933-11	METAL CHIP 22 5%	1/16W
IC3201	6-714-071-01	IC FLI30502AC		R3029	1-218-965-11	METAL CHIP 10K 5%	1/16W
IC3202	6-715-196-01	IC ABT1015LQ128		R3030	1-218-953-11	METAL CHIP 1K 5%	1/16W
IC3203	6-711-239-01	IC NJM2878F3-18 (TE2)		R3031	1-218-937-11	METAL CHIP 47 5%	1/16W
IC3207	A-1894-006-A	IC W25Q16CVSSIG-R (for SERVICE)		R3033	1-218-941-81	METAL CHIP 100 5%	1/16W
IC3208	6-714-151-01	IC R1EX24032ASAS0A		R3034	1-218-941-81	METAL CHIP 100 5%	1/16W
IC3209	6-706-838-01	IC MM1661JHBE		R3035	1-218-941-81	METAL CHIP 100 5%	1/16W
IC3210	6-706-838-01	IC MM1661JHBE		R3037	1-218-941-81	METAL CHIP 100 5%	1/16W
IC3211	6-702-302-01	IC TK11133CSCL-G		R3041	1-218-965-11	METAL CHIP 10K 5%	1/16W
IC3212	6-702-302-01	IC TK11133CSCL-G		R3043	1-218-941-81	METAL CHIP 100 5%	1/16W
IC3213	8-759-058-54	IC TC7S00FU (TE85R)		R3044	1-218-937-11	METAL CHIP 47 5%	1/16W
IC3531	6-709-888-01	IC TC7WHU04FK		R3047	1-218-941-81	METAL CHIP 100 5%	1/16W
IC3700	(Not supplied)	IC SII9575CTUC		R3048	1-218-937-11	METAL CHIP 47 5%	1/16W
IC3701	6-705-337-01	IC TK11150CSCL-G		R3049	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
IC3703	6-717-680-01	IC BD00IC0WEFJ-E2		R3050	1-218-937-11	METAL CHIP 47 5%	1/16W
IC3705	6-718-379-01	IC RP108J081D-FE		R3051	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
IC3707	6-705-337-01	IC TK11150CSCL-G		R3052	1-218-941-81	METAL CHIP 100 5%	1/16W
IC3860	6-702-302-01	IC TK11133CSCL-G		R3053	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
IC3861	6-705-337-01	IC TK11150CSCL-G		R3054	1-218-937-11	METAL CHIP 47 5%	1/16W
IC3862	8-759-596-39	IC SN74LV4052APWR		R3055	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
IC3863	8-759-680-48	IC TC7WH157FK		R3056	1-218-937-11	METAL CHIP 47 5%	1/16W
IC7001	6-718-168-01	IC AK4388AET2-E2		R3057	1-218-941-81	METAL CHIP 100 5%	1/16W
IC7002	6-715-134-01	IC MM3404A33URE		R3058	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
IC7003	6-718-169-01	IC AK5358BET2-E2		R3059	1-218-937-11	METAL CHIP 47 5%	1/16W
IC7005	6-711-116-01	IC NJM2878F3-05 (TE2)		R3060	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
IC7006	8-759-710-97	IC NJM4565M-D		R3061	1-218-937-11	METAL CHIP 47 5%	1/16W
IC7120	6-717-680-01	IC BD00IC0WEFJ-E2		R3062	1-218-941-81	METAL CHIP 100 5%	1/16W
IC7121	8-759-523-81	IC TC74VHC08FT (EL)		R3063	1-218-941-81	METAL CHIP 100 5%	1/16W
		< TRANSISTOR >		R3064	1-218-941-81	METAL CHIP 100 5%	1/16W
Q3001	8-729-038-23	TRANSISTOR RT1N141C-TP-1		R3065	1-218-990-81	SHORT CHIP 0	
Q3002	8-729-038-23	TRANSISTOR RT1N141C-TP-1		R3066	1-218-990-81	SHORT CHIP 0	
		< RESISTOR >		R3067	1-218-945-11	METAL CHIP 220 5%	1/16W
				R3068	1-218-941-81	METAL CHIP 100 5%	1/16W
				R3069	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
R3000	1-218-933-11	METAL CHIP 22 5%	1/16W	R3070	1-218-937-11	METAL CHIP 47 5%	1/16W
R3001	1-218-965-11	METAL CHIP 10K 5%	1/16W	R3071	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
R3002	1-218-933-11	METAL CHIP 22 5%	1/16W	R3072	1-218-937-11	METAL CHIP 47 5%	1/16W
R3003	1-218-933-11	METAL CHIP 22 5%	1/16W	R3073	1-218-941-81	METAL CHIP 100 5%	1/16W

Note: IC3008 and IC3700 on the D-VIDEO NW board cannot exchange with single.
When these parts are damaged, exchange the complete mounted board.

STR-DA1800ES

D-VIDEO NW

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R3074	1-218-941-81	METAL CHIP	100	5%	1/16W	R3160	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R3075	1-218-941-81	METAL CHIP	100	5%	1/16W	R3161	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R3076	1-218-945-11	METAL CHIP	220	5%	1/16W	R3162	1-218-937-11	METAL CHIP	47	5%	1/16W
R3077	1-218-937-11	METAL CHIP	47	5%	1/16W	R3163	1-218-937-11	METAL CHIP	47	5%	1/16W
R3078	1-218-990-81	SHORT CHIP	0			R3164	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R3079	1-218-947-11	METAL CHIP	330	5%	1/16W	R3165	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3080	1-218-947-11	METAL CHIP	330	5%	1/16W	R3166	1-218-990-81	SHORT CHIP	0		
R3082	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3167	1-218-990-81	SHORT CHIP	0		
R3083	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3168	1-218-990-81	SHORT CHIP	0		
R3084	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3169	1-218-990-81	SHORT CHIP	0		
R3085	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3170	1-218-990-81	SHORT CHIP	0		
R3086	1-218-929-11	METAL CHIP	10	5%	1/16W	R3171	1-218-990-81	SHORT CHIP	0		
R3087	1-218-929-11	METAL CHIP	10	5%	1/16W	R3172	1-218-990-81	SHORT CHIP	0		
R3088	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3173	1-218-990-81	SHORT CHIP	0		
R3089	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3174	1-218-937-11	METAL CHIP	47	5%	1/16W
R3090	1-218-941-81	METAL CHIP	100	5%	1/16W	R3175	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3091	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3176	1-218-937-11	METAL CHIP	47	5%	1/16W
R3093	1-218-937-11	METAL CHIP	47	5%	1/16W	R3177	1-218-937-11	METAL CHIP	47	5%	1/16W
R3094	1-218-937-11	METAL CHIP	47	5%	1/16W	R3180	1-216-295-91	SHORT CHIP	0		
R3095	1-218-937-11	METAL CHIP	47	5%	1/16W	R3181	1-216-295-91	SHORT CHIP	0		
R3096	1-218-937-11	METAL CHIP	47	5%	1/16W	R3187	1-218-990-81	SHORT CHIP	0		
R3097	1-218-937-11	METAL CHIP	47	5%	1/16W	R3188	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3098	1-218-937-11	METAL CHIP	47	5%	1/16W	R3189	1-218-941-81	METAL CHIP	100	5%	1/16W
R3099	1-218-937-11	METAL CHIP	47	5%	1/16W	R3190	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3100	1-218-937-11	METAL CHIP	47	5%	1/16W	R3191	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3105	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3192	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3106	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3193	1-218-941-81	METAL CHIP	100	5%	1/16W
R3109	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3194	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3110	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3195	1-218-941-81	METAL CHIP	100	5%	1/16W
R3111	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3196	1-218-990-81	SHORT CHIP	0		
R3112	1-218-933-11	METAL CHIP	22	5%	1/16W	R3197	1-218-990-81	SHORT CHIP	0		
R3113	1-218-933-11	METAL CHIP	22	5%	1/16W	R3198	1-218-990-81	SHORT CHIP	0		
R3114	1-218-949-11	METAL CHIP	470	5%	1/16W	R3199	1-218-990-81	SHORT CHIP	0		
R3115	1-218-953-11	METAL CHIP	1K	5%	1/16W	R3200	1-218-933-11	METAL CHIP	22	5%	1/16W
R3128	1-218-941-81	METAL CHIP	100	5%	1/16W	R3201	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3129	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3202	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3130	1-218-941-81	METAL CHIP	100	5%	1/16W	R3203	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3131	1-218-945-11	METAL CHIP	220	5%	1/16W	R3204	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3132	1-218-945-11	METAL CHIP	220	5%	1/16W	R3205	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R3133	1-218-945-11	METAL CHIP	220	5%	1/16W	R3206	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R3134	1-218-933-11	METAL CHIP	22	5%	1/16W	R3207	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R3135	1-218-937-11	METAL CHIP	47	5%	1/16W	R3208	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R3136	1-218-937-11	METAL CHIP	47	5%	1/16W	R3209	1-216-295-91	SHORT CHIP	0		
R3137	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3210	1-218-929-11	METAL CHIP	10	5%	1/16W
R3138	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3211	1-218-929-11	METAL CHIP	10	5%	1/16W
R3140	1-218-941-81	METAL CHIP	100	5%	1/16W	R3214	1-208-957-11	METAL CHIP	820K	0.5%	1/16W
R3141	1-218-941-81	METAL CHIP	100	5%	1/16W	R3216	1-208-957-11	METAL CHIP	820K	0.5%	1/16W
R3142	1-218-941-81	METAL CHIP	100	5%	1/16W	R3217	1-208-957-11	METAL CHIP	820K	0.5%	1/16W
R3143	1-218-941-81	METAL CHIP	100	5%	1/16W	R3218	1-218-933-11	METAL CHIP	22	5%	1/16W
R3144	1-218-941-81	METAL CHIP	100	5%	1/16W	R3219	1-218-933-11	METAL CHIP	22	5%	1/16W
R3147	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3220	1-218-933-11	METAL CHIP	22	5%	1/16W
R3148	1-218-965-11	METAL CHIP	10K	5%	1/16W	R3222	1-218-941-81	METAL CHIP	100	5%	1/16W
R3149	1-218-941-81	METAL CHIP	100	5%	1/16W	R3223	1-218-935-11	METAL CHIP	33	5%	1/16W
R3151	1-218-990-81	SHORT CHIP	0			R3224	1-218-935-11	METAL CHIP	33	5%	1/16W
R3153	1-218-941-81	METAL CHIP	100	5%	1/16W	R3225	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3155	1-218-937-11	METAL CHIP	47	5%	1/16W	R3228	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3156	1-218-937-11	METAL CHIP	47	5%	1/16W	R3231	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3157	1-218-937-11	METAL CHIP	47	5%	1/16W	R3232	1-208-957-11	METAL CHIP	820K	0.5%	1/16W
R3158	1-218-937-11	METAL CHIP	47	5%	1/16W	R3233	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3159	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R3234	1-218-961-11	METAL CHIP	4.7K	5%	1/16W

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R3238	1-218-965-11	METAL CHIP	10K	5%		1/16W	R3702	1-218-990-81	SHORT CHIP	0			
R3240	1-218-933-11	METAL CHIP	22	5%		1/16W	R3703	1-218-973-11	METAL CHIP	47K	5%		1/16W
R3245	1-218-965-11	METAL CHIP	10K	5%		1/16W	R3704	1-218-933-11	METAL CHIP	22	5%		1/16W
R3247	1-218-961-11	METAL CHIP	4.7K	5%		1/16W	R3705	1-218-933-11	METAL CHIP	22	5%		1/16W
R3248	1-218-990-81	SHORT CHIP	0				R3706	1-218-973-11	METAL CHIP	47K	5%		1/16W
R3249	1-218-933-11	METAL CHIP	22	5%		1/16W	R3707	1-218-933-11	METAL CHIP	22	5%		1/16W
R3250	1-218-990-81	SHORT CHIP	0				R3708	1-218-933-11	METAL CHIP	22	5%		1/16W
R3251	1-218-933-11	METAL CHIP	22	5%		1/16W	R3709	1-218-973-11	METAL CHIP	47K	5%		1/16W
R3252	1-218-965-11	METAL CHIP	10K	5%		1/16W	R3710	1-218-933-11	METAL CHIP	22	5%		1/16W
R3253	1-218-965-11	METAL CHIP	10K	5%		1/16W	R3711	1-218-933-11	METAL CHIP	22	5%		1/16W
R3258	1-218-938-11	METAL CHIP	56	5%		1/16W	R3712	1-218-973-11	METAL CHIP	47K	5%		1/16W
R3259	1-218-938-11	METAL CHIP	56	5%		1/16W	R3713	1-218-933-11	METAL CHIP	22	5%		1/16W
R3260	1-218-938-11	METAL CHIP	56	5%		1/16W	R3714	1-218-933-11	METAL CHIP	22	5%		1/16W
R3261	1-218-938-11	METAL CHIP	56	5%		1/16W	R3715	1-218-973-11	METAL CHIP	47K	5%		1/16W
R3262	1-218-938-11	METAL CHIP	56	5%		1/16W	R3716	1-218-933-11	METAL CHIP	22	5%		1/16W
R3264	1-218-963-11	METAL CHIP	6.8K	5%		1/16W	R3717	1-218-933-11	METAL CHIP	22	5%		1/16W
R3270	1-208-715-11	METAL CHIP	22K	0.5%		1/16W	R3718	1-218-973-11	METAL CHIP	47K	5%		1/16W
R3271	1-208-715-11	METAL CHIP	22K	0.5%		1/16W	R3719	1-220-191-81	METAL CHIP	5.1K	5%		1/16W
R3272	1-218-953-11	METAL CHIP	1K	5%		1/16W	R3720	1-220-191-81	METAL CHIP	5.1K	5%		1/16W
R3274	1-218-965-11	METAL CHIP	10K	5%		1/16W	R3721	1-220-191-81	METAL CHIP	5.1K	5%		1/16W
R3275	1-218-957-11	METAL CHIP	2.2K	5%		1/16W	R3722	1-220-191-81	METAL CHIP	5.1K	5%		1/16W
R3276	1-218-957-11	METAL CHIP	2.2K	5%		1/16W	R3723	1-220-191-81	METAL CHIP	5.1K	5%		1/16W
R3277	1-218-965-11	METAL CHIP	10K	5%		1/16W	R3724	1-220-191-81	METAL CHIP	5.1K	5%		1/16W
R3278	1-208-957-11	METAL CHIP	820K	5%		1/16W	R3725	1-218-937-11	METAL CHIP	47	5%		1/16W
R3280	1-218-933-11	METAL CHIP	22	5%		1/16W	R3726	1-218-937-11	METAL CHIP	47	5%		1/16W
R3281	1-218-941-81	METAL CHIP	100	5%		1/16W	R3727	1-218-990-81	SHORT CHIP	0			
R3282	1-218-965-11	METAL CHIP	10K	5%		1/16W	R3728	1-218-990-81	SHORT CHIP	0			
R3284	1-218-965-11	METAL CHIP	10K	5%		1/16W	R3729	1-218-965-11	METAL CHIP	10K	5%		1/16W
R3288	1-218-949-11	METAL CHIP	470	5%		1/16W	R3730	1-218-933-11	METAL CHIP	22	5%		1/16W
R3289	1-218-949-11	METAL CHIP	470	5%		1/16W	R3731	1-218-933-11	METAL CHIP	22	5%		1/16W
R3290	1-218-949-11	METAL CHIP	470	5%		1/16W	R3732	1-218-933-11	METAL CHIP	22	5%		1/16W
R3291	1-218-949-11	METAL CHIP	470	5%		1/16W	R3733	1-218-933-11	METAL CHIP	22	5%		1/16W
R3293	1-218-981-91	METAL CHIP	220K	5%		1/16W	R3734	1-218-937-11	METAL CHIP	47	5%		1/16W
R3294	1-218-990-81	SHORT CHIP	0				R3735	1-218-941-81	METAL CHIP	100	5%		1/16W
R3297	1-218-990-81	SHORT CHIP	0				R3736	1-218-937-11	METAL CHIP	47	5%		1/16W
R3299	1-218-979-11	METAL CHIP	150K	5%		1/16W	R3737	1-218-937-11	METAL CHIP	47	5%		1/16W
R3300	1-218-953-11	METAL CHIP	1K	5%		1/16W	R3738	1-218-937-11	METAL CHIP	47	5%		1/16W
R3301	1-218-965-11	METAL CHIP	10K	5%		1/16W	R3739	1-218-937-11	METAL CHIP	47	5%		1/16W
R3303	1-218-990-81	SHORT CHIP	0				R3740	1-218-937-11	METAL CHIP	47	5%		1/16W
R3306	1-216-864-11	SHORT CHIP	0				R3741	1-218-937-11	METAL CHIP	47	5%		1/16W
R3307	1-216-864-11	SHORT CHIP	0				R3743	1-218-937-11	METAL CHIP	47	5%		1/16W
R3308	1-216-864-11	SHORT CHIP	0				R3744	1-218-990-81	SHORT CHIP	0			
R3309	1-216-864-11	SHORT CHIP	0				R3745	1-218-990-81	SHORT CHIP	0			
R3310	1-216-864-11	SHORT CHIP	0				R3746	1-218-990-81	SHORT CHIP	0			
R3311	1-216-864-11	SHORT CHIP	0				R3747	1-218-990-81	SHORT CHIP	0			
R3312	1-216-295-91	SHORT CHIP	0				R3748	1-218-990-81	SHORT CHIP	0			
R3313	1-218-941-81	METAL CHIP	100	5%		1/16W	R3749	1-218-990-81	SHORT CHIP	0			
R3314	1-218-965-11	METAL CHIP	10K	5%		1/16W	R3750	1-218-961-11	METAL CHIP	4.7K	5%		1/16W
R3315	1-218-965-11	METAL CHIP	10K	5%		1/16W	R3751	1-218-990-81	SHORT CHIP	0			
R3316	1-218-990-81	SHORT CHIP	0				R3760	1-208-927-11	METAL CHIP	47K	0.5%		1/16W
R3317	1-218-990-81	SHORT CHIP	0				R3761	1-208-711-11	METAL CHIP	15K	0.5%		1/16W
R3318	1-218-990-81	SHORT CHIP	0				R3762	1-218-990-81	SHORT CHIP	0			
R3415	1-218-965-11	METAL CHIP	10K	5%		1/16W	R3800	1-218-973-11	METAL CHIP	47K	5%		1/16W
R3470	1-218-937-11	METAL CHIP	47	5%		1/16W	R3801	1-218-973-11	METAL CHIP	47K	5%		1/16W
R3521	1-218-945-11	METAL CHIP	220	5%		1/16W	R3802	1-220-168-81	METAL CHIP	62	5%		1/16W
R3522	1-218-941-81	METAL CHIP	100	5%		1/16W	R3803	1-220-168-81	METAL CHIP	62	5%		1/16W
R3528	1-218-990-81	SHORT CHIP	0				R3804	1-220-176-11	METAL CHIP	300	5%		1/16W
R3546	1-218-989-11	METAL CHIP	1M	5%		1/16W	R3805	1-220-176-11	METAL CHIP	300	5%		1/16W
R3700	1-218-933-11	METAL CHIP	22	5%		1/16W	R3806	1-218-990-81	SHORT CHIP	0			
R3701	1-218-933-11	METAL CHIP	22	5%		1/16W	R3807	1-218-953-11	METAL CHIP	1K	5%		1/16W

STR-DA1800ES

D-VIDEO NW

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R3808	1-218-956-11	METAL CHIP	1.8K	5%	1/16W	R7021	1-218-937-11	METAL CHIP	47	5%	1/16W
R3809	1-218-956-11	METAL CHIP	1.8K	5%	1/16W	R7022	1-218-937-11	METAL CHIP	47	5%	1/16W
R3812	1-218-973-11	METAL CHIP	47K	5%	1/16W	R7024	1-218-990-81	SHORT CHIP	0		
R3818	1-218-953-11	METAL CHIP	1K	5%	1/16W	R7025	1-218-937-11	METAL CHIP	47	5%	1/16W
R3819	1-218-956-11	METAL CHIP	1.8K	5%	1/16W	R7026	1-218-937-11	METAL CHIP	47	5%	1/16W
R3820	1-218-956-11	METAL CHIP	1.8K	5%	1/16W	R7027	1-218-937-11	METAL CHIP	47	5%	1/16W
R3821	1-218-965-11	METAL CHIP	10K	5%	1/16W	R7028	1-218-937-11	METAL CHIP	47	5%	1/16W
R3830	1-218-965-11	METAL CHIP	10K	5%	1/16W	R7029	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3832	1-218-929-11	METAL CHIP	10	5%	1/16W	R7030	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3851	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R7031	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3852	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	R7032	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3860	1-218-990-81	SHORT CHIP	0			R7033	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3861	1-218-990-81	SHORT CHIP	0			R7034	1-216-295-91	SHORT CHIP	0		
R3862	1-218-990-81	SHORT CHIP	0			R7035	1-216-295-91	SHORT CHIP	0		
R3863	1-218-990-81	SHORT CHIP	0			R7036	1-218-937-11	METAL CHIP	47	5%	1/16W
R3864	1-218-990-81	SHORT CHIP	0			R7037	1-218-937-11	METAL CHIP	47	5%	1/16W
R3865	1-218-990-81	SHORT CHIP	0			R7038	1-218-933-11	METAL CHIP	22	5%	1/16W
R3866	1-218-990-81	SHORT CHIP	0			R7039	1-216-295-91	SHORT CHIP	0		
R3867	1-218-990-81	SHORT CHIP	0			R7040	1-216-295-91	SHORT CHIP	0		
R3868	1-218-990-81	SHORT CHIP	0			R7044	1-218-933-11	METAL CHIP	22	5%	1/16W
R3869	1-218-990-81	SHORT CHIP	0			R7045	1-218-937-11	METAL CHIP	47	5%	1/16W
R3870	1-218-990-81	SHORT CHIP	0			R7046	1-218-937-11	METAL CHIP	47	5%	1/16W
R3871	1-218-990-81	SHORT CHIP	0			R7051	1-218-937-11	METAL CHIP	47	5%	1/16W
R3997	1-218-945-11	METAL CHIP	220	5%	1/16W	R7052	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3999	1-216-864-11	SHORT CHIP	0			R7053	1-218-941-81	METAL CHIP	100	5%	1/16W
R4006	1-218-929-11	METAL CHIP	10	5%	1/16W	R7054	1-218-941-81	METAL CHIP	100	5%	1/16W
R4007	1-218-929-11	METAL CHIP	10	5%	1/16W	R7057	1-218-990-81	SHORT CHIP	0		
R4008	1-218-929-11	METAL CHIP	10	5%	1/16W	R7058	1-218-990-81	SHORT CHIP	0		
R4009	1-218-929-11	METAL CHIP	10	5%	1/16W	R7059	1-218-990-81	SHORT CHIP	0		
R4010	1-218-929-11	METAL CHIP	10	5%	1/16W	R7060	1-218-990-81	SHORT CHIP	0		
R4011	1-218-929-11	METAL CHIP	10	5%	1/16W	R7066	1-218-969-11	METAL CHIP	22K	5%	1/16W
R4019	1-218-990-81	SHORT CHIP	0			R7067	1-218-969-11	METAL CHIP	22K	5%	1/16W
R4021	1-218-937-11	METAL CHIP	47	5%	1/16W	R7068	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R4022	1-218-955-11	METAL CHIP	1.5K	5%	1/16W	R7069	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R4023	1-218-990-81	SHORT CHIP	0			R7072	1-218-965-11	METAL CHIP	10K	5%	1/16W
R4038	1-218-990-81	SHORT CHIP	0			R7073	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R4039	1-218-990-81	SHORT CHIP	0			R7074	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R4040	1-218-990-81	SHORT CHIP	0			R7075	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R4041	1-218-990-81	SHORT CHIP	0			R7076	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R4048	1-218-990-81	SHORT CHIP	0			R7079	1-218-952-11	METAL CHIP	820	5%	1/16W
R4049	1-218-990-81	SHORT CHIP	0			R7080	1-218-952-11	METAL CHIP	820	5%	1/16W
R4051	1-218-965-11	METAL CHIP	10K	5%	1/16W	R7082	1-218-967-11	METAL CHIP	15K	5%	1/16W
R4055	1-218-990-81	SHORT CHIP	0			R7091	1-218-990-81	SHORT CHIP	0		
R7000	1-216-295-91	SHORT CHIP	0			R7092	1-218-990-81	SHORT CHIP	0		
R7001	1-216-295-91	SHORT CHIP	0			R7100	1-218-945-11	METAL CHIP	220	5%	1/16W
R7002	1-216-295-91	SHORT CHIP	0			R7101	1-218-947-11	METAL CHIP	330	5%	1/16W
R7003	1-216-295-91	SHORT CHIP	0			R7102	1-218-941-81	METAL CHIP	100	5%	1/16W
R7004	1-218-941-81	METAL CHIP	100	5%	1/16W	R7103	1-218-941-81	METAL CHIP	100	5%	1/16W
R7005	1-216-295-91	SHORT CHIP	0			R7120	1-208-711-11	METAL CHIP	15K	0.5%	1/16W
R7006	1-216-295-91	SHORT CHIP	0			R7121	1-208-908-11	METAL CHIP	7.5K	0.5%	1/16W
R7007	1-218-990-81	SHORT CHIP	0			R7122	1-208-871-81	METAL CHIP	220	0.5%	1/16W
R7008	1-218-990-81	SHORT CHIP	0			R7181	1-218-967-11	METAL CHIP	15K	5%	1/16W
R7009	1-218-965-11	METAL CHIP	10K	5%	1/16W	R7186	1-218-933-11	METAL CHIP	22	5%	1/16W
R7010	1-218-965-11	METAL CHIP	10K	5%	1/16W	R7187	1-218-933-11	METAL CHIP	22	5%	1/16W
R7011	1-218-965-11	METAL CHIP	10K	5%	1/16W	R7188	1-218-933-11	METAL CHIP	22	5%	1/16W
R7012	1-218-965-11	METAL CHIP	10K	5%	1/16W	R7189	1-218-933-11	METAL CHIP	22	5%	1/16W
R7013	1-218-965-11	METAL CHIP	10K	5%	1/16W	R7190	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R7014	1-218-965-11	METAL CHIP	10K	5%	1/16W	R7191	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R7018	1-218-937-11	METAL CHIP	47	5%	1/16W	R7192	1-216-797-11	METAL CHIP	10	5%	1/10W
R7020	1-218-937-11	METAL CHIP	47	5%	1/16W	R7193	1-216-295-91	SHORT CHIP	0		

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
R7194	1-216-295-91	SHORT CHIP	0				C1605	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V	
		< COMPOSITION CIRCUIT BLOCK >						C1606	1-112-794-11	ELECT CHIP	470uF	20%	16V
								C1607	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
RB3000	1-234-373-21	RES, NETWORK	220 (1005X4)				C1608	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
RB3001	1-234-373-21	RES, NETWORK	220 (1005X4)				C1609	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V	
RB3002	1-234-373-21	RES, NETWORK	220 (1005X4)				C1610	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V	
RB3003	1-234-373-21	RES, NETWORK	220 (1005X4)				C1611	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V	
RB3004	1-234-373-21	RES, NETWORK	220 (1005X4)				C1615	1-100-703-91	CERAMIC CHIP	10uF	10%	25V	
RB3005	1-234-373-21	RES, NETWORK	220 (1005X4)				C1700	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V	
RB3006	1-234-373-21	RES, NETWORK	220 (1005X4)				C1704	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
RB3201	1-234-371-11	RES, NETWORK	47 (1005X4)				C1705	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V	
RB3202	1-234-371-11	RES, NETWORK	47 (1005X4)				C1706	1-112-794-11	ELECT CHIP	470uF	20%	16V	
RB3203	1-234-371-11	RES, NETWORK	47 (1005X4)				C1707	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	
RB3204	1-234-371-11	RES, NETWORK	47 (1005X4)				C1708	1-162-925-11	CERAMIC CHIP	68PF	5%	50V	
RB3205	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)				C1709	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V	
RB3206	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)				C1710	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V	
RB3207	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)				C1711	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V	
RB3208	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)				C1713	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V	
RB3209	1-234-371-11	RES, NETWORK	47 (1005X4)				C1715	1-100-703-91	CERAMIC CHIP	10uF	10%	25V	
RB3210	1-234-371-11	RES, NETWORK	47 (1005X4)				C1716	1-100-703-91	CERAMIC CHIP	10uF	10%	25V	
RB3212	1-234-377-21	RES, NETWORK	4.7K (1005X4)				C1717	1-100-703-91	CERAMIC CHIP	10uF	10%	25V	
RB3213	1-234-377-21	RES, NETWORK	4.7K (1005X4)				C1718	1-100-703-91	CERAMIC CHIP	10uF	10%	25V	
RB3214	1-234-377-21	RES, NETWORK	4.7K (1005X4)				C1719	1-100-703-91	CERAMIC CHIP	10uF	10%	25V	
RB3215	1-234-377-21	RES, NETWORK	4.7K (1005X4)				C1720	1-100-703-91	CERAMIC CHIP	10uF	10%	25V	
RB3701	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)				C1721	1-100-703-91	CERAMIC CHIP	10uF	10%	25V	
RB3702	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)				C1722	1-100-703-91	CERAMIC CHIP	10uF	10%	25V	
RB3703	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)				C1723	1-100-703-91	CERAMIC CHIP	10uF	10%	25V	
RB3704	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)				C1724	1-100-703-91	CERAMIC CHIP	10uF	10%	25V	
RB3705	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)						< CONNECTOR >				
RB3706	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)				CN1500	1-779-993-11	PIN, CONNECTOR (PWB) 5P				
RB3707	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)						< DIODE >				
		< RELAY >						D1500	6-501-361-01	DIODE	RB051LA-40TR		
RY3601	1-755-624-11	RELAY FTR-B4GA003Z					D1600	6-501-361-01	DIODE	RB051LA-40TR			
		< TRANSFORMER >						D1700	6-501-361-01	DIODE	RB051LA-40TR		
T7001	1-445-954-11	PULSE TRANSFORMER							< IC >				
		< VIBRATOR >						IC1500	6-716-575-01	IC	TPS54331GDR		
X3000	1-781-646-21	VIBRATOR, CERAMIC (4 MHz)					IC1600	6-716-575-01	IC	TPS54331GDR			
X3201	1-814-385-11	QUARTS CRYSTAL UNIT (19.6608 MHz)					IC1700	6-716-575-01	IC	TPS54331GDR			
X3501	1-814-308-11	VIBRATOR, CRYSTAL (27 MHz)							< COIL >				

		DCDC BOARD						L1500	1-424-918-21	CHOKE COIL	10uH		
		*****						L1501	1-424-918-21	CHOKE COIL	10uH		
		< CAPACITOR >						L1502	1-424-918-21	CHOKE COIL	10uH		
C1500	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V		L1600	1-424-918-21	CHOKE COIL	10uH			
C1504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		L1601	1-424-918-21	CHOKE COIL	10uH			
C1505	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V		L1602	1-424-918-21	CHOKE COIL	10uH			
C1506	1-112-794-11	ELECT CHIP	470uF	20%	16V		L1700	1-424-918-21	CHOKE COIL	10uH			
C1507	1-162-917-11	CERAMIC CHIP	15PF	5%	50V		L1701	1-424-918-21	CHOKE COIL	10uH			
C1508	1-162-960-11	CERAMIC CHIP	220PF	10%	50V		L1702	1-424-918-21	CHOKE COIL	10uH			
C1509	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V				< RESISTOR >				
C1510	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V		R1500	1-216-851-11	METAL CHIP	330K	5%	1/10W	
C1511	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V		R1501	1-216-845-11	METAL CHIP	100K	5%	1/10W	
C1515	1-100-703-91	CERAMIC CHIP	10uF	10%	25V		R1502	1-216-847-11	METAL CHIP	150K	5%	1/10W	
C1600	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V		R1503	1-218-835-11	METAL CHIP	330	0.5%	1/10W	
C1604	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		R1504	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
							R1505	1-218-851-11	METAL CHIP	1.5K	0.5%	1/10W	

STR-DA1800ES

DCDC DCDC2 DIGITAL

Ref. No.	Part No.	Description	Remark		
R1506	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R1600	1-216-851-11	METAL CHIP	330K	5%	1/10W
R1601	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1602	1-216-847-11	METAL CHIP	150K	5%	1/10W
R1603	1-216-864-11	SHORT CHIP	0		
R1604	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R1605	1-216-864-11	SHORT CHIP	0		
R1700	1-216-851-11	METAL CHIP	330K	5%	1/10W
R1701	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1702	1-216-843-11	METAL CHIP	68K	5%	1/10W
R1703	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R1704	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R1705	1-218-851-11	METAL CHIP	1.5K	0.5%	1/10W
R1715	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R1716	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W

DCDC2 BOARD					

< CAPACITOR >					
C502	1-116-713-11	CERAMIC CHIP	22uF	20%	10V
C505	1-164-882-11	CERAMIC CHIP	220PF	5%	16V
* C506	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C511	1-116-713-11	CERAMIC CHIP	22uF	20%	10V
C514	1-164-882-11	CERAMIC CHIP	220PF	5%	16V
* C515	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
< CONNECTOR >					
CN501	1-562-124-11	SOCKET, CONNECTOR 2P			
CN502	1-691-947-11	HOUSING, CONNECTOR (PC BOARD) 2P			
< IC >					
IC501	6-714-379-01	IC TPS62065DSGR			
IC502	6-714-379-01	IC TPS62065DSGR			
< COIL >					
L501	1-457-770-11	CHOKE COIL	1uH		
L503	1-457-770-11	CHOKE COIL	1uH		
< RESISTOR >					
R501	1-218-990-81	SHORT CHIP	0		
R502	1-218-990-81	SHORT CHIP	0		
R503	1-218-990-81	SHORT CHIP	0		
R504	1-218-990-81	SHORT CHIP	0		
R507	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R508	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R509	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R510	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R511	1-208-923-11	METAL CHIP	33K	0.5%	1/16W
R512	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R513	1-216-295-91	SHORT CHIP	0		
R514	1-216-295-91	SHORT CHIP	0		
R515	1-216-295-91	SHORT CHIP	0		
R516	1-216-295-91	SHORT CHIP	0		
R517	1-216-295-91	SHORT CHIP	0		
R518	1-216-295-91	SHORT CHIP	0		
R519	1-216-295-91	SHORT CHIP	0		
R520	1-216-295-91	SHORT CHIP	0		

Ref. No.	Part No.	Description	Remark		
	A-1894-022-A	DIGITAL BOARD, COMPLETE			

		< CAPACITOR >			
C2000	1-100-154-91	CERAMIC CHIP	330PF	5%	100V
C2011	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2013	1-107-882-91	ELECT	100uF	20%	16V
C2021	1-114-507-11	CERAMIC CHIP	1uF	10%	50V
C2022	1-112-416-11	ELECT	220uF	20%	16V
C2023	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2069	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2072	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2073	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2074	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2093	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C2096	1-117-681-11	ELECT CHIP	100uF	20%	16V
C2101	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2112	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2114	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2115	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2119	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2125	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C2127	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2130	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2131	1-128-992-21	ELECT CHIP	47uF	20%	25V
C2140	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2206	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C2208	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2265	1-107-882-91	ELECT	100uF	20%	16V
C2266	1-107-882-91	ELECT	100uF	20%	16V
C2267	1-107-882-91	ELECT	100uF	20%	16V
C2268	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2269	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C2270	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2272	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2273	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2274	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2351	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2354	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2355	1-112-089-11	ELECT	47uF	20%	25V
C2358	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2359	1-112-080-11	ELECT	470uF	20%	10V
C2361	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2370	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2402	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2413	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2416	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2417	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2418	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2421	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C2422	1-114-331-11	CERAMIC CHIP	4.7uF	10%	10V
C2424	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2459	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2462	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2466	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C2469	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2502	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2503	1-112-080-11	ELECT	470uF	20%	10V
C2504	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2508	1-112-080-11	ELECT	470uF	20%	10V

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C2514	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V	C2962	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2516	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V	C2965	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2517	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2966	1-112-416-11	ELECT	220uF	20%	16V
C2531	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2967	1-112-781-11	CERAMIC CHIP	1uF	10%	10V
C2722	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	C2968	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2814	1-164-847-11	CERAMIC CHIP	7PF	0.5PF	50V	C2971	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2815	1-164-847-11	CERAMIC CHIP	7PF	0.5PF	50V	C2972	1-112-781-11	CERAMIC CHIP	1uF	10%	10V
C2877	1-107-882-91	ELECT	100uF	20%	16V	C2973	1-112-781-11	CERAMIC CHIP	1uF	10%	10V
C2883	1-114-331-11	CERAMIC CHIP	4.7uF	10%	10V	C2974	1-112-781-11	CERAMIC CHIP	1uF	10%	10V
C2884	1-114-331-11	CERAMIC CHIP	4.7uF	10%	10V	C2975	1-112-781-11	CERAMIC CHIP	1uF	10%	10V
C2899	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	C2976	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C2901	1-116-712-11	CERAMIC CHIP	22uF	10%	10V	C2977	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C2902	1-116-712-11	CERAMIC CHIP	22uF	10%	10V	C2978	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C2909	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2979	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C2912	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2980	1-112-100-11	ELECT	10uF	20%	50V
C2913	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2981	1-112-100-11	ELECT	10uF	20%	50V
C2917	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2984	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C2918	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2985	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C2920	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2986	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2921	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	C2987	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C2922	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	C2991	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2923	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2992	1-107-882-91	ELECT	100uF	20%	16V
C2924	1-112-080-11	ELECT	470uF	20%	10V	C2993	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C2925	1-112-080-11	ELECT	470uF	20%	10V	C2994	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2926	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2995	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C2927	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2996	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C2928	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2997	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C2929	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2998	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C2930	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2999	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C2931	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C3000	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C2932	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	< CONNECTOR >					
C2933	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	CN2003	1-820-112-51	CONNECTOR, FFC/FPC 9P			
C2934	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	CN2103	1-843-270-12	BOARD TO BOARD CONNECTOR 16P			
C2935	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	CN2105	1-842-812-11	CONNECTOR, BOARD TO BOARD 19P			
C2936	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	CN2114	1-842-812-11	CONNECTOR, BOARD TO BOARD 19P			
C2937	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	CN2116	1-820-125-41	CONNECTOR, FFC/FPC 29P			
C2938	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	CN2501	1-764-250-21	PIN, CONNECTOR (PC BOARD) 4P			
C2939	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	CN2513	(Not supplied)	BOARD TO BOARD CONNECTOR 28P			
C2940	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	CN2602	1-784-861-51	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			
C2941	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	CN2608	1-785-910-21	CONNECTOR, BOARD TO BOARD 50P			
C2942	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V	CN2609	1-573-768-21	PIN, CONNECTOR (1.5 mm) (SMD) 5P			
C2943	1-112-100-11	ELECT	10uF	20%	50V	< DIODE >					
C2944	1-112-100-11	ELECT	10uF	20%	50V	D2003	8-719-049-09	DIODE 1SS367-T3SONY			
C2945	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V	D2004	8-719-049-09	DIODE 1SS367-T3SONY			
C2946	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V	D2018	8-719-049-09	DIODE 1SS367-T3SONY			
C2947	1-112-100-11	ELECT	10uF	20%	50V	D2019	6-502-961-01	DIODE DA2J10100L			
C2948	1-112-100-11	ELECT	10uF	20%	50V	D2104	6-502-961-01	DIODE DA2J10100L			
C2949	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V	D2110	6-502-961-01	DIODE DA2J10100L			
C2950	1-112-100-11	ELECT	10uF	20%	50V	D2302	6-500-335-01	DIODE MC2838-T112-1			
C2951	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V	D2303	6-500-335-01	DIODE MC2838-T112-1			
C2952	1-112-100-11	ELECT	10uF	20%	50V	D2501	6-502-961-01	DIODE DA2J10100L			
C2953	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V	D2714	8-719-053-18	DIODE 1SR154-400TE-25			
C2954	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V	D2717	6-502-961-01	DIODE DA2J10100L			
C2955	1-112-100-11	ELECT	10uF	20%	50V	D2719	8-719-049-09	DIODE 1SS367-T3SONY			
C2956	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V	D2720	8-719-049-09	DIODE 1SS367-T3SONY			
C2957	1-112-100-11	ELECT	10uF	20%	50V	D2721	8-719-060-48	DIODE RB751V-40TE-17			
C2958	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	D2722	8-719-049-09	DIODE 1SS367-T3SONY			
C2959	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	D2723	8-719-049-09	DIODE 1SS367-T3SONY			
C2960	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V						
C2961	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V						

Note: CN2513 on the DIGITAL board cannot exchange with single.
When this part is damaged, exchange the complete mounted board.

STR-DA1800ES

DIGITAL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D2725	8-719-053-18	DIODE 1SR154-400TE-25		< JUMPER RESISTOR >			
D2726	8-719-049-09	DIODE 1SS367-T3SONY		JR2001	1-216-864-11	SHORT CHIP 0	
D2727	8-719-049-09	DIODE 1SS367-T3SONY		JR2002	1-216-864-11	SHORT CHIP 0	
< JUMPER RESISTOR/FERRITE BEAD >				JR2003	1-216-295-91	SHORT CHIP 0	
FB2031	1-216-864-11	SHORT CHIP 0		JR2004	1-211-950-11	SHORT CHIP 0	
FB2032	1-216-864-11	SHORT CHIP 0		< TRANSISTOR >			
FB2033	1-500-445-21	FERRITE, EMI (SMD) (2012)		Q2006	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
FB2043	1-400-862-11	BEAD, FERRITE		Q2706	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
FB2101	1-400-862-11	BEAD, FERRITE		< RESISTOR >			
FB2311	1-400-862-11	BEAD, FERRITE		R2005	1-218-989-11	METAL CHIP 1M 5% 1/16W	
FB2502	1-400-862-11	BEAD, FERRITE		R2006	1-216-805-11	METAL CHIP 47 5% 1/10W	
FB2503	1-400-862-11	BEAD, FERRITE		R2007	1-218-989-11	METAL CHIP 1M 5% 1/16W	
FB2603	1-469-125-21	FERRITE, EMI (SMD) (1608)		R2015	1-218-965-11	METAL CHIP 10K 5% 1/16W	
FB2604	1-469-125-21	FERRITE, EMI (SMD) (1608)		R2026	1-216-809-11	METAL CHIP 100 5% 1/10W	
FB2801	1-500-445-21	FERRITE, EMI (SMD) (2012)		R2050	1-218-823-11	METAL CHIP 100 0.5% 1/10W	
FB2889	1-400-862-11	BEAD, FERRITE		R2052	1-218-965-11	METAL CHIP 10K 5% 1/16W	
FB2890	1-400-862-11	BEAD, FERRITE		R2054	1-218-965-11	METAL CHIP 10K 5% 1/16W	
FB2891	1-400-862-11	BEAD, FERRITE		R2058	1-218-965-11	METAL CHIP 10K 5% 1/16W	
FB2893	1-400-862-11	BEAD, FERRITE		R2059	1-218-941-81	METAL CHIP 100 5% 1/16W	
FB2894	1-400-862-11	BEAD, FERRITE		R2099	1-218-965-11	METAL CHIP 10K 5% 1/16W	
FB2895	1-469-125-21	FERRITE, EMI (SMD) (1608)		R2100	1-218-955-11	METAL CHIP 1.5K 5% 1/16W	
FB2896	1-469-125-21	FERRITE, EMI (SMD) (1608)		R2104	1-218-953-11	METAL CHIP 1K 5% 1/16W	
FB2897	1-469-125-21	FERRITE, EMI (SMD) (1608)		R2111	1-216-833-11	METAL CHIP 10K 5% 1/10W	
FB2898	1-469-125-21	FERRITE, EMI (SMD) (1608)		R2112	1-218-941-81	METAL CHIP 100 5% 1/16W	
FB2899	1-469-125-21	FERRITE, EMI (SMD) (1608)		R2114	1-218-957-11	METAL CHIP 2.2K 5% 1/16W	
FB2900	1-469-125-21	FERRITE, EMI (SMD) (1608)		R2116	1-218-989-11	METAL CHIP 1M 5% 1/16W	
FB2901	1-469-125-21	FERRITE, EMI (SMD) (1608)		R2118	1-218-941-81	METAL CHIP 100 5% 1/16W	
< IC/TRANSISTOR >				R2119	1-218-941-81	METAL CHIP 100 5% 1/16W	
IC2010	6-717-680-01	IC BD00IC0WEFJ-E2		R2123	1-218-941-81	METAL CHIP 100 5% 1/16W	
IC2020	6-702-913-01	IC S-80929CNMC-G8ZT2G		R2124	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2105	A-1894-007-A	IC MB90F058PF-G-JNE1 (for SERVICE)		R2125	1-218-965-11	METAL CHIP 10K 5% 1/16W	
IC2106	6-717-889-01	IC M24C64-WMN6T (C)		R2130	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2107	6-705-468-01	IC BA33BC0FP-E2		R2131	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2123	6-712-740-01	IC PCM1681PWPR		R2132	1-218-965-11	METAL CHIP 10K 5% 1/16W	
IC2303	8-759-591-61	IC TC7WHU04FU (TE12R)		R2158	1-218-965-11	METAL CHIP 10K 5% 1/16W	
IC2351	6-600-827-01	IC JSR1124 (DIGITAL OPTICAL IN 1 (SAT/CATV) ASSIGNABLE)		R2159	1-218-959-11	METAL CHIP 3.3K 5% 1/16W	
IC2352	6-600-827-01	IC JSR1124 (DIGITAL OPTICAL IN 2 (TV) ASSIGNABLE)		R2160	1-218-957-11	METAL CHIP 2.2K 5% 1/16W	
IC2421	6-705-337-01	IC TK11150CSCL-G		* R2172	1-250-519-11	METAL CHIP 10K 1% 1/16W	
IC2804	6-707-870-01	IC TC74VHC157FT (EKJ)		R2173	1-250-527-11	METAL CHIP 22K 1% 1/16W	
IC2806	6-717-987-01	IC LC89075W-H		R2197	1-218-941-81	METAL CHIP 100 5% 1/16W	
IC2807	8-759-710-97	IC NJM4565M-D		R2211	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2808	8-759-710-97	IC NJM4565M-D		R2220	1-218-941-81	METAL CHIP 100 5% 1/16W	
IC2809	8-759-710-97	IC NJM4565M-D		R2228	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2810	8-759-710-97	IC NJM4565M-D		R2250	1-218-941-81	METAL CHIP 100 5% 1/16W	
IC2811	(Not supplied)	TRANSISTOR RT8H365C-T122-2		R2251	1-218-949-11	METAL CHIP 470 5% 1/16W	
IC2812	6-705-337-01	IC TK11150CSCL-G		R2285	1-216-817-11	METAL CHIP 470 5% 1/10W	
IC2813	8-759-524-48	IC TC74VHC393FT (EL)		R2311	1-216-841-11	METAL CHIP 47K 5% 1/10W	
IC2814	8-759-710-97	IC NJM4565M-D		R2321	1-218-965-11	METAL CHIP 10K 5% 1/16W	
IC2816	8-759-680-48	IC TC7WH157FK		R2322	1-218-989-11	METAL CHIP 1M 5% 1/16W	
IC2817	6-717-680-01	IC BD00IC0WEFJ-E2		R2324	1-218-965-11	METAL CHIP 10K 5% 1/16W	
IC2818	6-717-680-01	IC BD00IC0WEFJ-E2		R2351	1-218-941-81	METAL CHIP 100 5% 1/16W	
< JACK >				R2354	1-218-941-81	METAL CHIP 100 5% 1/16W	
J2301	1-784-431-11	JACK, PIN 1P (DIGITAL COAXIAL IN (DVD) ASSIGNABLE)		R2356	1-218-949-11	METAL CHIP 470 5% 1/16W	
				R2357	1-218-973-11	METAL CHIP 47K 5% 1/16W	
				R2358	1-218-985-11	METAL CHIP 470K 5% 1/16W	
				R2421	1-218-965-11	METAL CHIP 10K 5% 1/16W	
				R2540	1-218-969-11	METAL CHIP 22K 5% 1/16W	
				R2541	1-218-971-11	METAL CHIP 33K 5% 1/16W	

Note: IC2811 on the DIGITAL board cannot exchange with single.
When this part is damaged, exchange the complete mounted board.

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R2601	1-218-951-11	METAL CHIP	680	5%	1/16W	R2904	1-218-941-81	METAL CHIP	100	5%	1/16W
R2602	1-218-947-11	METAL CHIP	330	5%	1/16W	R2905	1-218-945-11	METAL CHIP	220	5%	1/16W
R2607	1-218-941-81	METAL CHIP	100	5%	1/16W	R2906	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2608	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R2914	1-218-949-11	METAL CHIP	470	5%	1/16W
R2609	1-218-941-81	METAL CHIP	100	5%	1/16W	R2915	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2610	1-218-945-11	METAL CHIP	220	5%	1/16W	R2917	1-216-809-11	METAL CHIP	100	5%	1/10W
R2612	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R2918	1-216-809-11	METAL CHIP	100	5%	1/10W
R2613	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R2919	1-216-809-11	METAL CHIP	100	5%	1/10W
R2614	1-218-941-81	METAL CHIP	100	5%	1/16W	R2921	1-216-809-11	METAL CHIP	100	5%	1/10W
R2615	1-218-937-11	METAL CHIP	47	5%	1/16W	R2923	1-218-941-81	METAL CHIP	100	5%	1/16W
R2616	1-218-941-81	METAL CHIP	100	5%	1/16W	R2925	1-218-937-11	METAL CHIP	47	5%	1/16W
R2617	1-218-947-11	METAL CHIP	330	5%	1/16W	R2929	1-218-941-81	METAL CHIP	100	5%	1/16W
R2618	1-218-949-11	METAL CHIP	470	5%	1/16W	R2930	1-218-941-81	METAL CHIP	100	5%	1/16W
R2619	1-218-941-81	METAL CHIP	100	5%	1/16W	R2931	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2620	1-218-941-81	METAL CHIP	100	5%	1/16W	R2932	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2621	1-218-941-81	METAL CHIP	100	5%	1/16W	R2939	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2622	1-218-941-81	METAL CHIP	100	5%	1/16W	R2940	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2623	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2941	1-250-519-11	METAL CHIP	10K	1%	1/16W
R2626	1-218-941-81	METAL CHIP	100	5%	1/16W	R2942	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R2701	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R2944	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R2702	1-218-969-11	METAL CHIP	22K	5%	1/16W	R2945	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R2703	1-218-969-11	METAL CHIP	22K	5%	1/16W	R2948	1-218-990-81	SHORT CHIP	0		
R2704	1-218-969-11	METAL CHIP	22K	5%	1/16W	R2949	1-218-990-81	SHORT CHIP	0		
R2705	1-218-969-11	METAL CHIP	22K	5%	1/16W	R2950	1-218-941-81	METAL CHIP	100	5%	1/16W
R2706	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2951	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2708	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2952	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2709	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2953	1-218-941-81	METAL CHIP	100	5%	1/16W
R2710	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2955	1-218-941-81	METAL CHIP	100	5%	1/16W
R2713	1-208-908-11	METAL CHIP	7.5K	0.5%	1/16W	R2957	1-218-941-81	METAL CHIP	100	5%	1/16W
R2714	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2958	1-218-941-81	METAL CHIP	100	5%	1/16W
R2715	1-208-908-11	METAL CHIP	7.5K	0.5%	1/16W	R2959	1-218-941-81	METAL CHIP	100	5%	1/16W
R2716	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2960	1-218-941-81	METAL CHIP	100	5%	1/16W
R2717	1-208-908-11	METAL CHIP	7.5K	0.5%	1/16W	R2961	1-216-864-11	SHORT CHIP	0		
R2718	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2962	1-218-953-11	METAL CHIP	1K	5%	1/16W
R2719	1-208-908-11	METAL CHIP	7.5K	0.5%	1/16W	R2963	1-218-953-11	METAL CHIP	1K	5%	1/16W
R2720	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2969	1-218-941-81	METAL CHIP	100	5%	1/16W
R2721	1-208-908-11	METAL CHIP	7.5K	0.5%	1/16W	R2970	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2722	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2971	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R2723	1-208-908-11	METAL CHIP	7.5K	0.5%	1/16W	R2972	1-218-941-81	METAL CHIP	100	5%	1/16W
R2724	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2973	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R2725	1-216-864-11	SHORT CHIP	0			R2974	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R2726	1-216-864-11	SHORT CHIP	0			R2975	1-216-801-11	METAL CHIP	22	5%	1/10W
R2727	1-216-864-11	SHORT CHIP	0			R2976	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R2728	1-218-953-11	METAL CHIP	1K	5%	1/16W	R2977	1-216-801-11	METAL CHIP	22	5%	1/10W
R2729	1-218-953-11	METAL CHIP	1K	5%	1/16W	R2978	1-216-801-11	METAL CHIP	22	5%	1/10W
R2730	1-216-685-11	METAL CHIP	27K	0.5%	1/10W	R2979	1-216-801-11	METAL CHIP	22	5%	1/10W
R2733	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2980	1-218-952-11	METAL CHIP	820	5%	1/16W
R2746	1-216-864-11	SHORT CHIP	0			R2981	1-218-952-11	METAL CHIP	820	5%	1/16W
R2759	1-218-941-81	METAL CHIP	100	5%	1/16W	R2982	1-218-952-11	METAL CHIP	820	5%	1/16W
R2814	1-218-947-11	METAL CHIP	330	5%	1/16W	R2983	1-218-952-11	METAL CHIP	820	5%	1/16W
R2815	1-218-989-11	METAL CHIP	1M	0.5%	1/16W	R2984	1-218-952-11	METAL CHIP	820	5%	1/16W
R2816	1-208-871-81	METAL CHIP	220	0.5%	1/16W	R2985	1-218-952-11	METAL CHIP	820	5%	1/16W
R2844	1-216-815-11	METAL CHIP	330	5%	1/10W	R2986	1-218-952-11	METAL CHIP	820	5%	1/16W
R2847	1-218-947-11	METAL CHIP	330	5%	1/16W	R2987	1-218-952-11	METAL CHIP	820	5%	1/16W
R2849	1-218-947-11	METAL CHIP	330	5%	1/16W	R2988	1-218-967-11	METAL CHIP	15K	5%	1/16W
R2855	1-208-860-81	METAL CHIP	75	0.5%	1/16W	R2989	1-218-967-11	METAL CHIP	15K	5%	1/16W
R2860	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	R2990	1-218-967-11	METAL CHIP	15K	5%	1/16W
R2886	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	R2991	1-218-967-11	METAL CHIP	15K	5%	1/16W
R2889	1-208-715-11	METAL CHIP	22K	0.5%	1/16W	R2992	1-218-967-11	METAL CHIP	15K	5%	1/16W
R2901	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2993	1-218-967-11	METAL CHIP	15K	5%	1/16W

STR-DA1800ES

DIGITAL **DISPLAY**

Ref. No.	Part No.	Description	Remark		
R2994	1-218-967-11	METAL CHIP	15K	5%	1/16W
R2995	1-218-967-11	METAL CHIP	15K	5%	1/16W
R2996	1-208-908-11	METAL CHIP	7.5K	0.5%	1/16W
R2997	1-218-977-11	METAL CHIP	100K	5%	1/16W
R2998	1-208-908-11	METAL CHIP	7.5K	0.5%	1/16W
R2999	1-218-977-11	METAL CHIP	100K	5%	1/16W
R3000	1-216-833-11	METAL CHIP	10K	5%	1/10W
< COMPOSITION CIRCUIT BLOCK >					
RB2102	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2103	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2104	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2105	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2106	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2107	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2109	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2119	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2120	1-234-372-11	RES, NETWORK	100 (1005X4)		
< VIBRATOR >					
X2101	1-781-646-21	VIBRATOR, CERAMIC			
X2801	1-814-350-11	QUARTZ CRYSTAL UNITS			

A-1881-834-A	DISPLAY BOARD, COMPLETE				

< CAPACITOR >					
C109	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C112	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C116	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C117	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C118	1-126-964-11	ELECT	10uF	20%	50V
C120	1-126-966-11	ELECT	33uF	20%	50V
C121	1-116-405-11	CERAMIC CHIP	0.01uF	10%	100V
C122	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C123	1-114-324-11	CERAMIC CHIP	0.022uF	10%	50V
C124	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C125	1-126-947-11	ELECT	47uF	20%	35V
C127	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C130	1-114-811-11	CERAMIC CHIP	0.0033uF	10%	50V
C131	1-114-811-11	CERAMIC CHIP	0.0033uF	10%	50V
C132	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C134	1-116-405-11	CERAMIC CHIP	0.01uF	10%	100V
C135	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C137	1-116-405-11	CERAMIC CHIP	0.01uF	10%	100V
C138	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C139	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C140	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C141	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C143	1-126-916-11	ELECT	1000uF	20%	6.3V
< CONNECTOR >					
CN103	1-779-297-11	CONNECTOR, FFC (LIF (NON-ZIF)) 29P			
< DIODE >					
D100	6-503-015-01	DIODE DZ2J051M0L			
D101	6-500-848-01	DIODE MC2840-T112-1			
D102	6-500-848-01	DIODE MC2840-T112-1			
D104	8-719-049-09	DIODE 1SS367-T3SONY			

Ref. No.	Part No.	Description	Remark		
D105	8-719-049-09	DIODE 1SS367-T3SONY			
D106	8-719-049-09	DIODE 1SS367-T3SONY			
D107	8-719-049-09	DIODE 1SS367-T3SONY			
D108	8-719-053-18	DIODE 1SR154-400TE-25			
D115	8-719-049-09	DIODE 1SS367-T3SONY			
< FUSE >					
△ F101	1-523-132-31	FUSE (1 A/50 V)			
< FERRITE BEAD >					
FB100	1-469-152-11	FERRITE, EMI (SMD) (2012)			
< IC >					
IC101	6-600-768-01	IC PNA4823M03S0 (■)			
IC102	8-759-710-97	IC NJM4565M-D			
< JACK >					
J100	1-843-387-11	PIN JACK 3P (VIDEO 2 IN AUDIO, iPhone/iPod VIDEO 2 IN VIDEO)			
< COIL >					
L100	1-481-781-21	INDUCTOR 47uH			
< FLUORESCENT INDICATOR TUBE >					
ND101	1-811-613-11	VACUUM FLOURESCENT DISPLAY			
< TRANSISTOR >					
Q100	6-552-713-01	TRANSISTOR QS5W2TR			
< RESISTOR >					
R103	1-216-837-11	METAL CHIP	22K	5%	1/10W
△ R104	1-249-428-91	CARBON	8.2K	5%	1/4W F
△ R105	1-249-428-91	CARBON	8.2K	5%	1/4W F
R110	1-250-616-11	METAL CHIP	1K	1%	1/10W
R111	1-250-624-11	METAL CHIP	2.2K	1%	1/10W
R112	1-250-640-11	METAL CHIP	10K	1%	1/10W
R114	1-250-624-11	METAL CHIP	2.2K	1%	1/10W
R115	1-250-616-11	METAL CHIP	1K	1%	1/10W
R116	1-250-632-11	METAL CHIP	4.7K	1%	1/10W
R118	1-250-652-11	METAL CHIP	33K	1%	1/10W
R119	1-250-592-11	METAL CHIP	100	1%	1/10W
R121	1-250-568-11	METAL CHIP	10	1%	1/10W
R122	1-250-592-11	METAL CHIP	100	1%	1/10W
R123	1-250-624-11	METAL CHIP	2.2K	1%	1/10W
R124	1-216-296-11	SHORT CHIP	0		
R125	1-250-592-11	METAL CHIP	100	1%	1/10W
R126	1-250-584-11	METAL CHIP	47	1%	1/10W
R127	1-250-584-11	METAL CHIP	47	1%	1/10W
R128	1-250-604-11	METAL CHIP	330	1%	1/10W
R130	1-250-592-11	METAL CHIP	100	1%	1/10W
R131	1-216-864-11	SHORT CHIP	0		
R133	1-250-592-11	METAL CHIP	100	1%	1/10W
R135	1-250-652-11	METAL CHIP	33K	1%	1/10W
R136	1-250-624-11	METAL CHIP	2.2K	1%	1/10W
R148	1-250-640-11	METAL CHIP	10K	1%	1/10W
R149	1-250-648-11	METAL CHIP	22K	1%	1/10W
* R150	1-250-589-11	METAL CHIP	75	1%	1/10W
R151	1-250-624-11	METAL CHIP	2.2K	1%	1/10W

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R152	1-250-656-11	METAL CHIP	47K	1%	1/10W	C5041	1-162-912-11	CERAMIC CHIP	7PF	0.5PF	50V
R153	1-250-656-11	METAL CHIP	47K	1%	1/10W	C5042	1-162-912-11	CERAMIC CHIP	7PF	0.5PF	50V
R154	1-250-624-11	METAL CHIP	2.2K	1%	1/10W	C5044	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< SWITCH/ROTARY ENCODER >				C5045	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
S100	1-762-875-21	SWITCH, TACTILE (TONE MODE)				C5046	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
S101	1-762-875-21	SWITCH, TACTILE (TONE -)				C5047	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
S102	1-762-875-21	SWITCH, TACTILE (TONE +)				C5049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
S103	1-762-875-21	SWITCH, TACTILE (2CH/A.DIRECT)				C5050	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
S104	1-762-875-21	SWITCH, TACTILE (A.F.D.)				C5051	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
S105	1-762-875-21	SWITCH, TACTILE (MOVIE/HD-D.C.S.)				C5052	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
S106	1-762-875-21	SWITCH, TACTILE (MUSIC)				C5053	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
S108	1-418-725-41	ENCODER, ROTARY (12 TYPE)				C5054	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		(MASTER VOLUME)				C5055	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
S109	1-762-875-21	SWITCH, TACTILE (DIMMER)				C5056	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
S110	1-762-875-21	SWITCH, TACTILE (DISPLAY MODE)				C5057	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
S111	1-762-875-21	SWITCH, TACTILE (PARTY, — START/CLOSE)				C5058	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
S112	1-762-875-21	SWITCH, TACTILE				C5059	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		(BLUETOOTH/CONNECTION, — PAIRING)				C5060	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< TRANSFORMER >				C5061	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
T100	1-445-778-11	D.C-D.C. CONVERTER TRANSFORMER				C5062	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
*****						C5063	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
	A-1886-376-A	DSP BOARD, COMPLETE				C5064	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		*****				C5065	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CAPACITOR >				C5066	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5000	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5067	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5068	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5002	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5069	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5003	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5070	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5004	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C5071	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5072	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5006	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5073	1-126-208-21	ELECT CHIP	47uF	20%	4V
C5007	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5074	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C5008	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	C5076	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C5009	1-114-385-11	ELECT CHIP	470uF	20%	6.3V	C5077	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5078	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5017	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5079	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C5018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5081	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5082	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5083	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5021	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C5084	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< CONNECTOR >					
C5023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	CN5001	1-815-136-21	CONNECTOR, BOARD TO BOARD			
C5024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< LUG TERMINAL >					
C5025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	* ET5000	1-780-408-11	TERMINAL, LUG			
C5026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< FERRITE BEAD >					
C5027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	FB5000	1-400-862-11	BEAD, FERRITE			
C5028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	FB5085	1-400-862-11	BEAD, FERRITE			
C5029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< FILTER >					
C5030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	FL5003	1-400-874-11	FILTER, EMI REMOVAL (SMD)			
C5031	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< IC >					
C5032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC5000	6-716-354-01	IC W9864G6JH-6-ER10			
C5035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC5001	(Not supplied)	IC ADSST-AVR-3011			
C5036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC5002	A-1867-673-A	IC W25Q16BVSSIG (for SERVICE)			
C5037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC5003	6-716-471-01	IC SI-3010LLSL-TL			
C5038	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C5040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						

Note: IC5001 on the DSP board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

STR-DA1800ES

DSP

HAT

Ref. No.	Part No.	Description	Remark		
< RESISTOR >					
R5001	1-216-811-11	METAL CHIP	150	5%	1/10W
R5002	1-216-801-11	METAL CHIP	22	5%	1/10W
R5003	1-216-811-11	METAL CHIP	150	5%	1/10W
R5004	1-216-811-11	METAL CHIP	150	5%	1/10W
R5005	1-216-811-11	METAL CHIP	150	5%	1/10W
R5006	1-216-811-11	METAL CHIP	150	5%	1/10W
R5007	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5008	1-216-811-11	METAL CHIP	150	5%	1/10W
R5009	1-216-811-11	METAL CHIP	150	5%	1/10W
R5010	1-216-811-11	METAL CHIP	150	5%	1/10W
R5011	1-216-811-11	METAL CHIP	150	5%	1/10W
R5012	1-218-943-11	METAL CHIP	150	5%	1/16W
R5013	1-218-943-11	METAL CHIP	150	5%	1/16W
R5014	1-216-807-11	METAL CHIP	68	5%	1/10W
R5015	1-216-811-11	METAL CHIP	150	5%	1/10W
R5016	1-216-811-11	METAL CHIP	150	5%	1/10W
R5017	1-216-811-11	METAL CHIP	150	5%	1/10W
R5018	1-218-943-11	METAL CHIP	150	5%	1/16W
R5019	1-218-943-11	METAL CHIP	150	5%	1/16W
R5020	1-218-943-11	METAL CHIP	150	5%	1/16W
R5021	1-218-943-11	METAL CHIP	150	5%	1/16W
R5022	1-218-943-11	METAL CHIP	150	5%	1/16W
R5023	1-216-811-11	METAL CHIP	150	5%	1/10W
R5024	1-216-801-11	METAL CHIP	22	5%	1/10W
R5025	1-216-801-11	METAL CHIP	22	5%	1/10W
R5026	1-216-801-11	METAL CHIP	22	5%	1/10W
R5029	1-216-801-11	METAL CHIP	22	5%	1/10W
R5031	1-216-801-11	METAL CHIP	22	5%	1/10W
R5032	1-216-801-11	METAL CHIP	22	5%	1/10W
R5034	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5035	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5036	1-216-801-11	METAL CHIP	22	5%	1/10W
R5037	1-216-801-11	METAL CHIP	22	5%	1/10W
R5038	1-216-801-11	METAL CHIP	22	5%	1/10W
R5039	1-216-801-11	METAL CHIP	22	5%	1/10W
R5040	1-216-801-11	METAL CHIP	22	5%	1/10W
R5041	1-216-801-11	METAL CHIP	22	5%	1/10W
R5042	1-216-801-11	METAL CHIP	22	5%	1/10W
R5043	1-216-801-11	METAL CHIP	22	5%	1/10W
R5044	1-216-801-11	METAL CHIP	22	5%	1/10W
R5046	1-216-801-11	METAL CHIP	22	5%	1/10W
R5047	1-216-801-11	METAL CHIP	22	5%	1/10W
R5048	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5049	1-216-801-11	METAL CHIP	22	5%	1/10W
R5050	1-216-801-11	METAL CHIP	22	5%	1/10W
R5051	1-216-801-11	METAL CHIP	22	5%	1/10W
R5052	1-216-801-11	METAL CHIP	22	5%	1/10W
R5053	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5054	1-216-864-11	SHORT CHIP	0		
R5056	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5061	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5063	1-216-801-11	METAL CHIP	22	5%	1/10W
R5064	1-216-801-11	METAL CHIP	22	5%	1/10W
R5065	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5066	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5067	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5068	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5072	1-216-801-11	METAL CHIP	22	5%	1/10W
R5073	1-216-801-11	METAL CHIP	22	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R5074	1-216-801-11	METAL CHIP 22	5%	1/10W	
R5075	1-216-845-11	METAL CHIP 100K	5%	1/10W	
R5076	1-216-821-11	METAL CHIP 1K	5%	1/10W	
R5077	1-216-813-11	METAL CHIP 220	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	
R5081	1-216-825-11	METAL CHIP 2.2K	5%	1/10W	
R5082	1-216-801-11	METAL CHIP 22	5%	1/10W	
R5085	1-216-864-11	SHORT CHIP 0			
R5086	1-218-871-11	METAL CHIP 10K	0.5%	1/10W	
R5087	1-218-871-11	METAL CHIP 10K	0.5%	1/10W	
R5088	1-218-847-11	METAL CHIP 1K	0.5%	1/10W	
R5089	1-218-831-11	METAL CHIP 220	0.5%	1/10W	
R5092	1-216-864-11	SHORT CHIP 0			
R5095	1-216-833-11	METAL CHIP 10K	5%	1/10W	
R5097	1-216-833-11	METAL CHIP 10K	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	1-216-811-11	METAL CHIP 150	5%	1/10W	
R5102	1-216-833-11	METAL CHIP 10K	5%	1/10W	
R5104	1-216-864-11	SHORT CHIP 0			
R5105	1-216-864-11	SHORT CHIP 0			
< COMPOSITION CIRCUIT BLOCK >					
RB5000	1-200-051-21	RES, NETWORK 150 (1005X4)			
RB5001	1-200-051-21	RES, NETWORK 150 (1005X4)			
RB5002	1-200-051-21	RES, NETWORK 150 (1005X4)			
RB5003	1-200-051-21	RES, NETWORK 150 (1005X4)			
< VIBRATOR >					
X5000	1-814-242-11	VIBRATOR, CRYSTAL (25 MHz)			

HAT BOARD					

< 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	
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	
C864	1-126-947-11	ELECT 47uF	20%	35V	
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	
C870	1-116-734-11	CERAMIC CHIP 1uF	20%	16V	
C871	1-116-734-11	CERAMIC CHIP 1uF	20%	16V	
C872	1-162-970-11	CERAMIC CHIP 0.01uF	10%	25V	
C873	1-114-868-11	CERAMIC CHIP 0.1uF	10%	50V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< CONNECTOR >					
CN811	1-779-279-11	CONNECTOR, FFC (LIF (NON-ZIF)) 11P		C173	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
		< DIODE >				< JACK >	
D803	6-502-961-01	DIODE DA2J10100L		J171	1-822-967-12	JACK (PHONES)	
		< JUMPER RESISTOR/FERRITE BEAD >				< JUMPER RESISTOR >	
FB802	1-216-295-91	SHORT CHIP 0		R172	1-216-864-11	SHORT CHIP 0	
FB861	1-469-152-11	FERRITE, EMI (SMD) (2012)				*****	
		< IC >		A-1867-533-A		MAIN BOARD, COMPLETE	

IC802	8-759-675-54	IC TC7W53FK (TE85R)		7-685-646-71		SCREW +BVTP 3X8 TYPE2 IT-3	
IC861	6-705-514-01	IC MAX3222IPWR				< CAPACITOR >	
IC862	6-705-337-01	IC TK11150CSCL-G					
		< JACK/CONNECTOR >					
J801	1-563-330-31	JACK (IR REMOTE IN)		C301	1-126-964-11	ELECT 10uF 20% 50V	
J802	1-563-330-31	JACK (IR REMOTE OUT)		C320	1-112-079-11	ELECT 220uF 20% 10V	
J821	1-563-330-31	JACK (TRIGGER OUT MAIN DC12V --- 80mA MAX)		C322	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
J861	1-822-149-11	D-SUB CONNECTOR 9P (RS232C)		C323	1-112-079-11	ELECT 220uF 20% 10V	
		< TRANSISTOR >		C325	1-126-964-11	ELECT 10uF 20% 50V	
Q821	8-729-037-13	TRANSISTOR KTA1271Y-AT		C350	1-114-507-11	CERAMIC CHIP 1uF 10% 50V	
Q822	8-729-038-23	TRANSISTOR RT1N141C-TP-1		C351	1-112-084-11	ELECT 470uF 20% 16V	
Q827	8-729-038-23	TRANSISTOR RT1N141C-TP-1		C352	1-114-507-11	CERAMIC CHIP 1uF 10% 50V	
		< RESISTOR >		C353	1-112-084-11	ELECT 470uF 20% 16V	
R802	1-216-845-11	METAL CHIP 100K 5% 1/10W		C354	1-100-155-91	CERAMIC CHIP 470PF 5% 100V	
R803	1-216-857-11	METAL CHIP 1M 5% 1/10W		C355	1-100-155-91	CERAMIC CHIP 470PF 5% 100V	
R805	1-216-809-11	METAL CHIP 100 5% 1/10W		C401	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
R806	1-216-809-11	METAL CHIP 100 5% 1/10W		C404	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
R807	1-216-809-11	METAL CHIP 100 5% 1/10W		C408	1-126-963-11	ELECT 4.7uF 20% 50V	
R808	1-216-809-11	METAL CHIP 100 5% 1/10W		C411	1-126-963-11	ELECT 4.7uF 20% 50V	
R813	1-216-809-11	METAL CHIP 100 5% 1/10W		C412	1-126-963-11	ELECT 4.7uF 20% 50V	
R814	1-216-797-11	METAL CHIP 10 5% 1/10W		C449	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
R817	1-216-864-11	SHORT CHIP 0		C450	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
R818	1-216-864-11	SHORT CHIP 0		C451	1-116-137-91	CERAMIC CHIP 12PF 5% 100V	
R822	1-216-833-11	METAL CHIP 10K 5% 1/10W		C452	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
R823	1-216-825-11	METAL CHIP 2.2K 5% 1/10W		C454	1-116-138-11	CERAMIC CHIP 4PF 0.25PF 100V	
R824	1-216-833-11	METAL CHIP 10K 5% 1/10W		C456	1-116-138-11	CERAMIC CHIP 4PF 0.25PF 100V	
R825	1-216-809-11	METAL CHIP 100 5% 1/10W		C458	1-126-963-11	ELECT 4.7uF 20% 50V	
R846	1-216-821-11	METAL CHIP 1K 5% 1/10W		C462	1-112-079-11	ELECT 220uF 20% 10V	
R847	1-216-821-11	METAL CHIP 1K 5% 1/10W		C487	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
R861	1-216-809-11	METAL CHIP 100 5% 1/10W		C489	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
R862	1-216-809-11	METAL CHIP 100 5% 1/10W		C499	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
R865	1-216-833-11	METAL CHIP 10K 5% 1/10W		C545	1-112-089-11	ELECT 47uF 20% 25V	
R866	1-216-833-11	METAL CHIP 10K 5% 1/10W		C546	1-126-964-11	ELECT 10uF 20% 50V	
R873	1-216-809-11	METAL CHIP 100 5% 1/10W		C547	1-126-964-11	ELECT 10uF 20% 50V	
		< THERMISTOR >		C548	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
TH821	1-801-726-11	THERMISTOR, POSITIVE		C551	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
		*****		C554	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
		HP BOARD		C558	1-112-089-11	ELECT 47uF 20% 25V	
		*****		C560	1-112-100-11	ELECT 10uF 20% 50V	
		< CAPACITOR >		C578	1-114-324-11	CERAMIC CHIP 0.022uF 10% 50V	
C171	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V		C591	1-114-128-91	CERAMIC CHIP 47PF 5% 100V	
C172	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V		C592	1-114-128-91	CERAMIC CHIP 47PF 5% 100V	
				C601	1-116-137-91	CERAMIC CHIP 12PF 5% 100V	
				C602	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
				C604	1-116-138-11	CERAMIC CHIP 4PF 0.25PF 100V	
				C606	1-116-138-11	CERAMIC CHIP 4PF 0.25PF 100V	
				C607	1-112-089-11	ELECT 47uF 20% 25V	
				C610	1-112-100-11	ELECT 10uF 20% 50V	
				C611	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	

STR-DA1800ES

MAIN

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
C612	1-112-079-11	ELECT	220uF	20%	10V		C862	1-112-079-11	ELECT	220uF	20%	10V	
C620	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C870	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C628	1-114-324-11	CERAMIC CHIP	0.022uF	10%	50V		C878	1-114-324-11	CERAMIC CHIP	0.022uF	10%	50V	
C651	1-116-137-91	CERAMIC CHIP	12PF	5%	100V		C888	1-114-128-91	CERAMIC CHIP	47PF	5%	100V	
C652	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		C889	1-114-128-91	CERAMIC CHIP	47PF	5%	100V	
C654	1-116-138-11	CERAMIC CHIP	4PF	0.25PF	100V		C898	1-114-128-91	CERAMIC CHIP	47PF	5%	100V	
C656	1-116-138-11	CERAMIC CHIP	4PF	0.25PF	100V		C899	1-114-128-91	CERAMIC CHIP	47PF	5%	100V	
C657	1-112-089-11	ELECT	47uF	20%	25V		C910	1-116-078-11	CERAMIC CHIP	1uF	10%	50V	
C660	1-112-100-11	ELECT	10uF	20%	50V		C911	1-116-078-11	CERAMIC CHIP	1uF	10%	50V	
C661	1-162-960-11	CERAMIC CHIP	220PF	10%	50V		C912	1-112-093-11	ELECT	2200uF	20%	25V	
C662	1-112-079-11	ELECT	220uF	20%	10V		C913	1-112-092-11	ELECT	1000uF	20%	25V	
C670	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C914	1-137-958-91	MYLAR	0.22uF	5%	100V	
C678	1-114-324-11	CERAMIC CHIP	0.022uF	10%	50V		C915	1-137-958-91	MYLAR	0.22uF	5%	100V	
C688	1-114-128-91	CERAMIC CHIP	47PF	5%	100V		C930	1-109-932-15	ELECT (BLOCK)	10000uF	20%	71V	
C689	1-114-128-91	CERAMIC CHIP	47PF	5%	100V		C931	1-109-932-15	ELECT (BLOCK)	10000uF	20%	71V	
C698	1-114-128-91	CERAMIC CHIP	47PF	5%	100V		CC60	1-100-153-91	CERAMIC CHIP	220PF	5%	100V	
C699	1-114-128-91	CERAMIC CHIP	47PF	5%	100V		CC61	1-100-153-91	CERAMIC CHIP	220PF	5%	100V	
C701	1-116-137-91	CERAMIC CHIP	12PF	5%	100V		CC62	1-100-153-91	CERAMIC CHIP	220PF	5%	100V	
C702	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		CC63	1-100-153-91	CERAMIC CHIP	220PF	5%	100V	
C704	1-116-138-11	CERAMIC CHIP	4PF	0.25PF	100V		CC64	1-100-153-91	CERAMIC CHIP	220PF	5%	100V	
C706	1-116-138-11	CERAMIC CHIP	4PF	0.25PF	100V		CC65	1-100-153-91	CERAMIC CHIP	220PF	5%	100V	
C707	1-112-089-11	ELECT	47uF	20%	25V		CC66	1-100-153-91	CERAMIC CHIP	220PF	5%	100V	
C710	1-112-100-11	ELECT	10uF	20%	50V								
C711	1-162-960-11	CERAMIC CHIP	220PF	10%	50V				< CONNECTOR >				
C712	1-112-079-11	ELECT	220uF	20%	10V								
C720	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		* CN391	1-564-508-11	PLUG, CONNECTOR 5P				
C724	1-100-152-91	CERAMIC CHIP	100PF	5%	100V		CNP410	1-842-808-11	CONNECTOR, BOARD TO BOARD 19P				
C725	1-100-152-91	CERAMIC CHIP	100PF	5%	100V		CNP411	1-842-808-11	CONNECTOR, BOARD TO BOARD 19P				
C728	1-114-324-11	CERAMIC CHIP	0.022uF	10%	50V		CNP920	1-564-242-00	PIN, CONNECTOR (3.96 mm PITCH) 5P				
C751	1-116-137-91	CERAMIC CHIP	12PF	5%	100V		* CNP930	1-564-508-11	PLUG, CONNECTOR 5P				
C752	1-162-927-11	CERAMIC CHIP	100PF	5%	50V				< DIODE >				
C754	1-116-138-11	CERAMIC CHIP	4PF	0.25PF	100V		D301	6-502-961-01	DIODE DA2J10100L				
C756	1-116-138-11	CERAMIC CHIP	4PF	0.25PF	100V		D302	6-502-961-01	DIODE DA2J10100L				
C757	1-112-089-11	ELECT	47uF	20%	25V		D326	6-500-335-01	DIODE MC2838-T112-1				
C760	1-112-100-11	ELECT	10uF	20%	50V		D327	6-500-335-01	DIODE MC2838-T112-1				
C761	1-162-960-11	CERAMIC CHIP	220PF	10%	50V		D350	6-502-961-01	DIODE DA2J10100L				
C762	1-112-079-11	ELECT	220uF	20%	10V		D352	8-719-053-18	DIODE 1SR154-400TE-25				
C770	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		D355	6-502-961-01	DIODE DA2J10100L				
C778	1-114-324-11	CERAMIC CHIP	0.022uF	10%	50V		D356	6-500-885-01	DIODE P6SMBJ33A-5				
C788	1-114-128-91	CERAMIC CHIP	47PF	5%	100V		D360	6-502-961-01	DIODE DA2J10100L				
C789	1-114-128-91	CERAMIC CHIP	47PF	5%	100V		D365	6-502-961-01	DIODE DA2J10100L				
C798	1-114-128-91	CERAMIC CHIP	47PF	5%	100V		D375	6-502-961-01	DIODE DA2J10100L				
C799	1-114-128-91	CERAMIC CHIP	47PF	5%	100V		D536	6-503-015-01	DIODE DZZJ051M0L				
C801	1-116-137-91	CERAMIC CHIP	12PF	5%	100V		D550	6-502-961-01	DIODE DA2J10100L				
C802	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		D551	6-502-961-01	DIODE DA2J10100L				
C804	1-116-138-11	CERAMIC CHIP	4PF	0.25PF	100V		D611	6-502-961-01	DIODE DA2J10100L				
C806	1-116-138-11	CERAMIC CHIP	4PF	0.25PF	100V		D620	6-502-961-01	DIODE DA2J10100L				
C807	1-112-089-11	ELECT	47uF	20%	25V		D661	6-502-961-01	DIODE DA2J10100L				
C810	1-112-100-11	ELECT	10uF	20%	50V		D670	6-502-961-01	DIODE DA2J10100L				
C811	1-162-960-11	CERAMIC CHIP	220PF	10%	50V		D711	6-502-961-01	DIODE DA2J10100L				
C812	1-112-079-11	ELECT	220uF	20%	10V		D720	6-502-961-01	DIODE DA2J10100L				
C820	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		D761	6-502-961-01	DIODE DA2J10100L				
C828	1-114-324-11	CERAMIC CHIP	0.022uF	10%	50V		D770	6-502-961-01	DIODE DA2J10100L				
C851	1-116-137-91	CERAMIC CHIP	12PF	5%	100V		D811	6-502-961-01	DIODE DA2J10100L				
C852	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		D820	6-502-961-01	DIODE DA2J10100L				
C854	1-116-138-11	CERAMIC CHIP	4PF	0.25PF	100V		D861	6-502-961-01	DIODE DA2J10100L				
C856	1-116-138-11	CERAMIC CHIP	4PF	0.25PF	100V		D870	6-502-961-01	DIODE DA2J10100L				
C857	1-112-089-11	ELECT	47uF	20%	25V		D910	8-719-053-18	DIODE 1SR154-400TE-25				
C860	1-112-100-11	ELECT	10uF	20%	50V		D911	8-719-053-18	DIODE 1SR154-400TE-25				
C861	1-162-960-11	CERAMIC CHIP	220PF	10%	50V		D912	8-719-053-18	DIODE 1SR154-400TE-25				
							D913	8-719-053-18	DIODE 1SR154-400TE-25				

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D920	6-502-961-01	DIODE DA2J10100L		Q323	6-550-327-01	TRANSISTOR 2SA1514KT146S	
D921	8-719-061-07	DIODE D5SBA60-F		Q324	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
		< EARTH TERMINAL >		Q325	8-729-271-31	TRANSISTOR 2SC2713-G	
ET300	1-537-738-21	TERMINAL, GROUND		Q350	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
		< FUSE >		Q355	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
△ F910	1-523-085-11	FUSE (T 2.5 A/250 V)		Q360	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
△ F911	1-523-085-11	FUSE (T 2.5 A/250 V)		Q365	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
△ F912	1-523-080-11	FUSE (T 6.3 A/250 V)		Q375	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
△ F913	1-523-080-11	FUSE (T 6.3 A/250 V)		Q550	6-550-327-01	TRANSISTOR 2SA1514KT146S	
		< IC >		Q551	8-729-216-22	TRANSISTOR 2SA1162-G	
IC350	6-712-294-01	IC KIA7807API-U/PF		Q552	8-729-922-39	TRANSISTOR 2SD2144S-V	
IC352	6-718-108-01	IC KIA7907F-RTF/P		Q555	6-550-327-01	TRANSISTOR 2SA1514KT146S	
IC400	6-716-394-01	IC BD3470KS2		Q601	8-729-216-22	TRANSISTOR 2SA1162-G	
IC501	6-715-582-01	IC STK350-630TS-E		Q602	8-729-922-39	TRANSISTOR 2SD2144S-V	
IC601	6-715-582-01	IC STK350-630TS-E		Q611	6-550-327-01	TRANSISTOR 2SA1514KT146S	
IC701	6-715-582-01	IC STK350-630TS-E		Q612	6-550-327-01	TRANSISTOR 2SA1514KT146S	
IC801	6-715-582-01	IC STK350-630TS-E		Q651	8-729-216-22	TRANSISTOR 2SA1162-G	
		< JACK >		Q652	8-729-922-39	TRANSISTOR 2SD2144S-V	
J401	1-774-411-11	JACK, PIN 6P (SA-CD/TV AUDIO IN, VIDEO 1 AUDIO OUT)		Q661	6-550-327-01	TRANSISTOR 2SA1514KT146S	
J402	1-774-411-11	JACK, PIN 6P (VIDEO 1/SAT/CATV AUDIO IN, ZONE 2 AUDIO OUT)		Q662	6-550-327-01	TRANSISTOR 2SA1514KT146S	
J404	1-793-777-12	JACK, PIN 2P (SUBWOOFER AUDIO OUT)		Q701	8-729-216-22	TRANSISTOR 2SA1162-G	
		< JUMPER RESISTOR >		Q702	8-729-922-39	TRANSISTOR 2SD2144S-V	
JR600	1-216-864-11	SHORT CHIP 0		Q711	6-550-327-01	TRANSISTOR 2SA1514KT146S	
JR601	1-216-864-11	SHORT CHIP 0		Q712	6-550-327-01	TRANSISTOR 2SA1514KT146S	
JR602	1-216-296-11	SHORT CHIP 0		Q751	8-729-216-22	TRANSISTOR 2SA1162-G	
JR603	1-216-864-11	SHORT CHIP 0		Q752	8-729-922-39	TRANSISTOR 2SD2144S-V	
JR606	1-216-296-11	SHORT CHIP 0		Q761	6-550-327-01	TRANSISTOR 2SA1514KT146S	
JR612	1-216-296-11	SHORT CHIP 0		Q762	6-550-327-01	TRANSISTOR 2SA1514KT146S	
JR613	1-216-864-11	SHORT CHIP 0		Q801	8-729-216-22	TRANSISTOR 2SA1162-G	
JR617	1-216-864-11	SHORT CHIP 0		Q802	8-729-922-39	TRANSISTOR 2SD2144S-V	
JR618	1-216-864-11	SHORT CHIP 0		Q811	6-550-327-01	TRANSISTOR 2SA1514KT146S	
JR700	1-216-864-11	SHORT CHIP 0		Q812	6-550-327-01	TRANSISTOR 2SA1514KT146S	
JR701	1-216-296-11	SHORT CHIP 0		Q851	8-729-216-22	TRANSISTOR 2SA1162-G	
JR702	1-216-864-11	SHORT CHIP 0		Q852	8-729-922-39	TRANSISTOR 2SD2144S-V	
JR703	1-216-296-11	SHORT CHIP 0		Q861	6-550-327-01	TRANSISTOR 2SA1514KT146S	
JR704	1-216-296-11	SHORT CHIP 0		Q862	6-550-327-01	TRANSISTOR 2SA1514KT146S	
JR706	1-216-864-11	SHORT CHIP 0		Q920	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
		< JUMPER RESISTOR/COIL >				< RESISTOR >	
L489	1-216-295-91	SHORT CHIP 0		R301	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
L499	1-216-295-91	SHORT CHIP 0		△ R302	1-249-405-91	CARBON 100 5% 1/4W F	
L550	1-420-872-52	COIL, AIR-CORE		△ R303	1-249-405-91	CARBON 100 5% 1/4W F	
L628	1-420-872-52	COIL, AIR-CORE		R304	1-216-841-11	METAL CHIP 47K 5% 1/10W	
L678	1-420-872-52	COIL, AIR-CORE		R305	1-216-841-11	METAL CHIP 47K 5% 1/10W	
L728	1-420-872-52	COIL, AIR-CORE		R306	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
L778	1-420-872-52	COIL, AIR-CORE		R307	1-216-845-11	METAL CHIP 100K 5% 1/10W	
L828	1-420-872-52	COIL, AIR-CORE		R308	1-216-841-11	METAL CHIP 47K 5% 1/10W	
L878	1-420-872-52	COIL, AIR-CORE		R309	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		< TRANSISTOR >		R320	1-216-837-11	METAL CHIP 22K 5% 1/10W	
Q301	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R323	1-216-837-11	METAL CHIP 22K 5% 1/10W	
Q302	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R325	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
Q320	6-550-327-01	TRANSISTOR 2SA1514KT146S		R326	1-216-840-11	METAL CHIP 39K 5% 1/10W	
Q321	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R327	1-216-833-11	METAL CHIP 10K 5% 1/10W	
				R328	1-216-821-11	METAL CHIP 1K 5% 1/10W	
				R350	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
				△ R351	1-249-399-91	CARBON 33 5% 1/4W F	
				R353	1-216-841-11	METAL CHIP 47K 5% 1/10W	
				R355	1-216-821-11	METAL CHIP 1K 5% 1/10W	
				△ R356	1-249-399-91	CARBON 33 5% 1/4W	

STR-DA1800ES

MAIN

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R358	1-216-841-11	METAL CHIP	47K	5%	1/10W	R608	1-216-817-11	METAL CHIP	470	5%	1/10W
R360	1-216-821-11	METAL CHIP	1K	5%	1/10W	△ R609	1-249-405-91	CARBON	100	5%	1/4W F
△ R361	1-249-399-91	CARBON	33	5%	1/4W F	△ R610	1-249-405-91	CARBON	100	5%	1/4W F
R363	1-216-841-11	METAL CHIP	47K	5%	1/10W	R611	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
△ R365	1-249-399-91	CARBON	33	5%	1/4W F	△ R612	1-240-855-91	CARBON	6.2K	5%	1/4W F
R366	1-216-841-11	METAL CHIP	47K	5%	1/10W	△ R613	1-234-572-11	ENCAPSULATED COMPONENT	0.22	5W	F
R367	1-216-821-11	METAL CHIP	1K	5%	1/10W	R614	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R375	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R615	1-216-835-11	METAL CHIP	15K	5%	1/10W
△ R377	1-249-405-91	CARBON	100	5%	1/4W F	R616	1-216-843-11	METAL CHIP	68K	5%	1/10W
R378	1-216-841-11	METAL CHIP	47K	5%	1/10W	R620	1-216-841-11	METAL CHIP	47K	5%	1/10W
R392	1-218-632-11	METAL CHIP	330	5%	1W	R622	1-216-845-11	METAL CHIP	100K	5%	1/10W
R393	1-218-632-11	METAL CHIP	330	5%	1W	△ R628	1-249-389-91	CARBON	4.7	5%	1/4W F
R394	1-218-632-11	METAL CHIP	330	5%	1W	△ R629	1-249-393-91	CARBON	10	5%	1/4W F
R395	1-218-632-11	METAL CHIP	330	5%	1W	R630	1-216-841-11	METAL CHIP	47K	5%	1/10W
R401	1-247-831-91	CARBON	1K	5%	1/4W	R651	1-247-831-91	CARBON	1K	5%	1/4W
R403	1-247-831-91	CARBON	1K	5%	1/4W	R652	1-216-843-11	METAL CHIP	68K	5%	1/10W
R404	1-247-831-91	CARBON	1K	5%	1/4W	R653	1-249-421-11	CARBON	2.2K	5%	1/4W
R407	1-247-831-91	CARBON	1K	5%	1/4W	R654	1-249-439-11	CARBON	68K	5%	1/4W
R408	1-247-831-91	CARBON	1K	5%	1/4W	R656	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R411	1-247-831-91	CARBON	1K	5%	1/4W	R657	1-216-843-11	METAL CHIP	68K	5%	1/10W
R412	1-247-831-91	CARBON	1K	5%	1/4W	R658	1-216-817-11	METAL CHIP	470	5%	1/10W
R449	1-216-813-11	METAL CHIP	220	5%	1/10W	△ R659	1-249-405-91	CARBON	100	5%	1/4W F
R450	1-216-813-11	METAL CHIP	220	5%	1/10W	△ R660	1-249-405-91	CARBON	100	5%	1/4W F
R451	1-247-831-91	CARBON	1K	5%	1/4W	R661	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R453	1-247-831-91	CARBON	1K	5%	1/4W	△ R662	1-240-855-91	CARBON	6.2K	5%	1/4W F
R454	1-247-831-91	CARBON	1K	5%	1/4W	△ R663	1-234-572-11	ENCAPSULATED COMPONENT	0.22	5W	F
R457	1-247-831-91	CARBON	1K	5%	1/4W	R664	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R458	1-247-831-91	CARBON	1K	5%	1/4W	R665	1-216-835-11	METAL CHIP	15K	5%	1/10W
△ R513	1-234-572-11	ENCAPSULATED COMPONENT	0.22	5W	F	R666	1-216-843-11	METAL CHIP	68K	5%	1/10W
R544	1-216-864-11	SHORT CHIP	0			R670	1-216-841-11	METAL CHIP	47K	5%	1/10W
△ R545	1-249-377-91	CARBON	0.47	5%	1/4W F	R672	1-216-845-11	METAL CHIP	100K	5%	1/10W
△ R546	1-249-377-91	CARBON	0.47	5%	1/4W F	△ R678	1-249-389-91	CARBON	4.7	5%	1/4W F
R547	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	△ R679	1-249-393-91	CARBON	10	5%	1/4W F
R548	1-216-081-00	METAL CHIP	22K	5%	1/10W	R680	1-216-841-11	METAL CHIP	47K	5%	1/10W
R549	1-216-081-00	METAL CHIP	22K	5%	1/10W	R701	1-247-831-91	CARBON	1K	5%	1/4W
△ R550	1-249-389-91	CARBON	4.7	5%	1/4W F	R702	1-216-843-11	METAL CHIP	68K	5%	1/10W
△ R551	1-249-393-91	CARBON	10	5%	1/4W F	R703	1-249-421-11	CARBON	2.2K	5%	1/4W
R552	1-216-214-00	RES-CHIP	4.7K	2%	1/8W	R704	1-249-439-11	CARBON	68K	5%	1/4W
△ R553	1-249-405-11	CARBON	100	5%	1/4W F	R706	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R554	1-216-843-11	METAL CHIP	68K	5%	1/10W	R707	1-216-843-11	METAL CHIP	68K	5%	1/10W
R555	1-216-843-11	METAL CHIP	68K	5%	1/10W	R708	1-216-817-11	METAL CHIP	470	5%	1/10W
R556	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	△ R709	1-249-405-91	CARBON	100	5%	1/4W F
R557	1-216-841-11	METAL CHIP	47K	5%	1/10W	△ R710	1-249-405-91	CARBON	100	5%	1/4W F
△ R558	1-240-855-91	CARBON	6.2K	5%	1/4W F	R711	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R559	1-216-845-11	METAL CHIP	100K	5%	1/10W	△ R712	1-240-855-91	CARBON	6.2K	5%	1/4W F
R560	1-247-831-91	CARBON	1K	5%	1/4W	△ R713	1-234-572-11	ENCAPSULATED COMPONENT	0.22	5W	F
R562	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R714	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R563	1-249-421-11	CARBON	2.2K	5%	1/4W	R715	1-216-835-11	METAL CHIP	15K	5%	1/10W
R564	1-216-835-11	METAL CHIP	15K	5%	1/10W	R716	1-216-843-11	METAL CHIP	68K	5%	1/10W
R565	1-249-439-11	CARBON	68K	5%	1/4W	R720	1-216-841-11	METAL CHIP	47K	5%	1/10W
R566	1-216-817-11	METAL CHIP	470	5%	1/10W	R722	1-216-845-11	METAL CHIP	100K	5%	1/10W
△ R567	1-249-405-91	CARBON	100	5%	1/4W F	△ R728	1-249-389-91	CARBON	4.7	5%	1/4W F
R568	1-216-841-11	METAL CHIP	47K	5%	1/10W	△ R729	1-249-393-91	CARBON	10	5%	1/4W F
R569	1-216-843-11	METAL CHIP	68K	5%	1/10W	R730	1-216-841-11	METAL CHIP	47K	5%	1/10W
R601	1-247-831-91	CARBON	1K	5%	1/4W	R751	1-247-831-91	CARBON	1K	5%	1/4W
R602	1-216-843-11	METAL CHIP	68K	5%	1/10W	R752	1-216-843-11	METAL CHIP	68K	5%	1/10W
R603	1-249-421-11	CARBON	2.2K	5%	1/4W	R753	1-249-421-11	CARBON	2.2K	5%	1/4W
R604	1-249-439-11	CARBON	68K	5%	1/4W	R754	1-249-439-11	CARBON	68K	5%	1/4W
R606	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R756	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R607	1-216-843-11	METAL CHIP	68K	5%	1/10W	R757	1-216-843-11	METAL CHIP	68K	5%	1/10W

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R758	1-216-817-11	METAL CHIP	470 5% 1/10W	RY302	1-755-486-11	RELAY	
△ R759	1-249-405-91	CARBON	100 5% 1/4W F	RY350	1-755-170-11	RELAY (12 V)	
△ R760	1-249-405-91	CARBON	100 5% 1/4W F	RY355	1-755-170-11	RELAY (12 V)	
R761	1-216-214-00	RES-CHIP	4.7K 2% 1/8W	RY360	1-755-170-11	RELAY (12 V)	
△ R762	1-240-855-91	CARBON	6.2K 5% 1/4W F				
△ R763	1-234-572-11	ENCAPSULATED COMPONENT 0.22	5W F	RY365	1-755-170-11	RELAY (12 V)	
R764	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	RY920	1-755-593-11	RELAY	
R765	1-216-835-11	METAL CHIP	15K 5% 1/10W	RY921	1-755-486-11	RELAY	
R766	1-216-843-11	METAL CHIP	68K 5% 1/10W			< TERMINAL BOARD >	
R770	1-216-841-11	METAL CHIP	47K 5% 1/10W				
R772	1-216-845-11	METAL CHIP	100K 5% 1/10W	TB501	1-780-747-11	TERMINAL BOARD (SP) (8P) (SPEAKERS IMPEDANCE USE 8-16 Ω FRONT A/SURROUND)	
△ R778	1-249-389-91	CARBON	4.7 5% 1/4W F	TB502	1-780-746-11	TERMINAL BOARD (SP) (4P) (SPEAKERS IMPEDANCE USE 8-16 Ω CENTER/SURROUND BACK/FRONT HIGH/FRONT B L)	
△ R779	1-249-393-91	CARBON	10 5% 1/4W F				
R780	1-216-841-11	METAL CHIP	47K 5% 1/10W	TB503	1-780-745-11	TERMINAL BOARD (SP) (2P) (SPEAKERS IMPEDANCE USE 8-16 Ω SURROUND BACK/FRONT HIGH/FRONT B R)	
R801	1-247-831-91	CARBON	1K 5% 1/4W				
R802	1-216-843-11	METAL CHIP	68K 5% 1/10W				
R803	1-249-421-11	CARBON	2.2K 5% 1/4W				
R804	1-249-439-11	CARBON	68K 5% 1/4W				
R806	1-216-825-11	METAL CHIP	2.2K 5% 1/10W			POWERKEY BOARD	
R807	1-216-843-11	METAL CHIP	68K 5% 1/10W			*****	
R808	1-216-817-11	METAL CHIP	470 5% 1/10W			< CAPACITOR >	
△ R809	1-249-405-91	CARBON	100 5% 1/4W F	C181	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
△ R810	1-249-405-91	CARBON	100 5% 1/4W F	C182	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
R811	1-216-214-00	RES-CHIP	4.7K 2% 1/8W				
△ R812	1-240-855-91	CARBON	6.2K 5% 1/4W F			< LED >	
△ R813	1-234-572-11	ENCAPSULATED COMPONENT 0.22	5W F	D181	8-719-057-29	LED SML78423C-TP15 (ON/STANDBY)	
R814	1-216-823-11	METAL CHIP	1.5K 5% 1/10W			< TRANSISTOR >	
R815	1-216-835-11	METAL CHIP	15K 5% 1/10W	Q181	6-551-696-01	TRANSISTOR ISA1235AC1-T112-1EF	
R816	1-216-843-11	METAL CHIP	68K 5% 1/10W	Q182	6-551-696-01	TRANSISTOR ISA1235AC1-T112-1EF	
R820	1-216-841-11	METAL CHIP	47K 5% 1/10W	Q183	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
R822	1-216-845-11	METAL CHIP	100K 5% 1/10W	Q184	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
△ R828	1-249-389-91	CARBON	4.7 5% 1/4W F			< RESISTOR >	
△ R829	1-249-393-91	CARBON	10 5% 1/4W F				
R830	1-216-841-11	METAL CHIP	47K 5% 1/10W	R181	1-250-640-11	METAL CHIP 10K 1% 1/10W	
R851	1-247-831-91	CARBON	1K 5% 1/4W	R182	1-250-648-11	METAL CHIP 22K 1% 1/10W	
R852	1-216-843-11	METAL CHIP	68K 5% 1/10W	R183	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R853	1-249-421-11	CARBON	2.2K 5% 1/4W	R184	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R854	1-249-439-11	CARBON	68K 5% 1/4W	R185	1-216-813-11	METAL CHIP 220 5% 1/10W	
R856	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R186	1-250-632-11	METAL CHIP 4.7K 1% 1/10W	
R857	1-216-843-11	METAL CHIP	68K 5% 1/10W	R187	1-216-813-11	METAL CHIP 220 5% 1/10W	
R858	1-216-817-11	METAL CHIP	470 5% 1/10W	R188	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
△ R859	1-249-405-91	CARBON	100 5% 1/4W F	R189	1-216-821-11	METAL CHIP 1K 5% 1/10W	
△ R860	1-249-405-91	CARBON	100 5% 1/4W F	R190	1-216-809-11	METAL CHIP 100 5% 1/10W	
R861	1-216-214-00	RES-CHIP	4.7K 2% 1/8W	R191	1-250-640-11	METAL CHIP 10K 1% 1/10W	
△ R862	1-240-855-91	CARBON	6.2K 5% 1/4W F	R192	1-216-809-11	METAL CHIP 100 5% 1/10W	
△ R863	1-234-572-11	ENCAPSULATED COMPONENT 0.22	5W F	R193	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R864	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	R194	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R865	1-216-835-11	METAL CHIP	15K 5% 1/10W			< ROTARY ENCODER/SWITCH >	
R866	1-216-843-11	METAL CHIP	68K 5% 1/10W	S181	1-418-817-21	ENCODER, ROTARY (INPUT SELECTOR)	
R870	1-216-841-11	METAL CHIP	47K 5% 1/10W	S182	1-762-875-21	SWITCH, TACTILE (I/⏏)	
R872	1-216-845-11	METAL CHIP	100K 5% 1/10W	S183	1-762-875-21	SWITCH, TACTILE (SPEAKERS OFF/A/B/A+B)	
△ R878	1-249-389-91	CARBON	4.7 5% 1/4W F	S184	1-762-875-21	SWITCH, TACTILE (INPUT MODE)	
△ R879	1-249-393-91	CARBON	10 5% 1/4W F			*****	
R880	1-216-841-11	METAL CHIP	47K 5% 1/10W				
△ R920	1-249-399-91	CARBON	33 5% 1/4W F				
R921	1-216-825-11	METAL CHIP	2.2K 5% 1/10W				
R925	1-216-841-11	METAL CHIP	47K 5% 1/10W				
		< RELAY >					
RY301	1-755-267-11	RELAY					

STR-DA1800ES

STANDBY

THERMAL SENSOR

USB

Ref. No.	Part No.	Description	Remark			
	A-1867-536-A	STANDBY BOARD, COMPLETE	*****			
< CAPACITOR >						
C943	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C950	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C951	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C953	1-126-936-11	ELECT	3300uF	20%	16V	
C992	1-126-960-11	ELECT	1uF	20%	50V	
< CONNECTOR >						
* CN906	1-564-507-11	PLUG, CONNECTOR 4P				
* CN908	1-564-510-11	PLUG, CONNECTOR 7P				
< CONNECTOR >						
* CNP901	1-793-660-11	PIN, CONNECTOR (PC BOARD) 3P				
* CNP902	1-565-792-11	PIN, CONNECTOR (3.96 mm PITCH) 2P				
< DIODE >						
D901	6-502-961-01	DIODE DA2J10100L				
D990	6-500-335-01	DIODE MC2838-T112-1				
D993	6-500-848-01	DIODE MC2840-T112-1				
D994	6-500-848-01	DIODE MC2840-T112-1				
< FUSE >						
△ F940	1-523-086-11	FUSE (T 3.15 A/250 V)				
△ F941	1-523-086-11	FUSE (T 3.15 A/250 V)				
< FUSE HOLDER >						
FH901	1-533-217-41	HOLDER, FUSE				
FH902	1-533-217-41	HOLDER, FUSE				
< TRANSISTOR >						
Q901	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q990	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
< RESISTOR >						
△ R902	1-249-399-91	CARBON	33	5%	1/4W	F
R903	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R904	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R990	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R991	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	
R993	1-216-833-11	METAL CHIP	10K	5%	1/10W	
< RELAY >						
△ RY901	1-755-541-11	RELAY				
< TRANSFORMER >						
△ T902	1-445-635-21	POWER TRANSFORMER				

THERMAL SENSOR BOARD						

< CAPACITOR >						
C149	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V	
< RESISTOR >						
R166	1-250-624-11	METAL CHIP	2.2K	1%	1/10W	

Ref. No.	Part No.	Description	Remark			
R167	1-250-624-11	METAL CHIP	2.2K	1%	1/10W	
< THERMISTOR >						
△ TH100	1-804-045-11	THERMISTOR				
△ TH101	1-804-045-11	THERMISTOR				

A-1881-835-A		USB BOARD, COMPLETE				

< CAPACITOR >						
C4101	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C4102	1-100-354-21	ELECT CHIP	220uF	20%	6.3V	
C4109	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C4110	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V	
C4111	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C4112	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C4113	1-164-847-11	CERAMIC CHIP	7PF	0.5PF	50V	
C4114	1-164-847-11	CERAMIC CHIP	7PF	0.5PF	50V	
C4115	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C4116	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C4117	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C4118	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C4119	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	
C4120	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	
C4121	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C4127	1-164-874-11	CERAMIC CHIP	100PF	5%	50V	
C4128	1-135-177-21	TANTAL. CHIP	1uF	10%	25V	
C4129	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C4130	1-128-993-21	ELECT CHIP	22uF	20%	10V	
C4131	1-164-862-81	CERAMIC CHIP	33PF	5%	50V	
C4132	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C4133	1-164-862-81	CERAMIC CHIP	33PF	5%	50V	
C4134	1-128-993-21	ELECT CHIP	22uF	20%	10V	
C4135	1-135-177-21	TANTAL. CHIP	1uF	10%	25V	
C4136	1-128-994-21	ELECT CHIP	47uF	20%	10V	
C4137	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C4138	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V	
C4161	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C4162	1-100-354-21	ELECT CHIP	220uF	20%	6.3V	
C4163	1-114-330-11	CERAMIC CHIP	2.2uF	10%	16V	
C4164	1-114-330-11	CERAMIC CHIP	2.2uF	10%	16V	
C4165	1-100-912-11	CERAMIC CHIP	1uF	10%	25V	
C4166	1-128-390-11	ELECT CHIP	220uF	20%	6.3V	
C4167	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V	
C4168	1-128-394-11	ELECT CHIP	220uF	20%	10V	
C4169	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C4182	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V	
C4183	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V	
C4185	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C4186	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V	
C4187	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V	
< CONNECTOR >						
CN4101	1-573-290-21	PIN, CONNECTOR (1.5 mm) (SMD) 4P				
< DIODE >						
D4101	6-502-967-01	DIODE DZ2J06200L				
D4102	6-502-967-01	DIODE DZ2J06200L				
D4103	6-502-967-01	DIODE DZ2J06200L				

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
D4104	6-500-848-01	DIODE MC2840-T112-1				R4142	1-218-973-11	METAL CHIP 47K 5%	1/16W		
D4105	6-500-848-01	DIODE MC2840-T112-1				R4143	1-208-702-11	METAL CHIP 6.2K 0.5%	1/16W		
D4121	6-502-961-01	DIODE DA2J10100L				R4144	1-218-974-11	METAL CHIP 56K 5%	1/16W		
D4161	8-719-049-09	DIODE 1SS367-T3SONY				R4145	1-218-963-11	METAL CHIP 6.8K 5%	1/16W		
D4162	8-719-049-09	DIODE 1SS367-T3SONY				R4146	1-218-953-11	METAL CHIP 1K 5%	1/16W		
		< EARTH TERMINAL >				R4147	1-218-977-11	METAL CHIP 100K 5%	1/16W		
* ET4100	1-780-408-11	TERMINAL, LUG				R4148	1-218-965-11	METAL CHIP 10K 5%	1/16W		
		< FERRITE BEAD >				R4149	1-218-965-11	METAL CHIP 10K 5%	1/16W		
FB4100	1-469-118-21	FERRITE, EMI (SMD) (1608)				R4150	1-218-977-11	METAL CHIP 100K 5%	1/16W		
FB4101	1-469-152-11	FERRITE, EMI (SMD) (2012)				R4162	1-218-945-11	METAL CHIP 220 5%	1/16W		
FB4102	1-469-324-21	FERRITE, EMI (SMD) (2012)				R4174	1-216-864-11	SHORT CHIP 0			
FB4161	1-481-218-21	FERRITE, EMI (SMD) (1608)				R4175	1-216-864-11	SHORT CHIP 0			
		< IC >				R4180	1-208-715-11	METAL CHIP 22K 0.5%	1/16W		
IC4100	6-717-986-11	IC BU94604BKV-ZAE2				R4181	1-208-923-11	METAL CHIP 33K 0.5%	1/16W		
IC4101	6-715-164-01	IC TPS2553DBVR				R4182	1-208-911-11	METAL CHIP 10K 0.5%	1/16W		
IC4102	6-717-006-01	IC BD00HC5WEFJ-E2				R4184	1-218-953-11	METAL CHIP 1K 5%	1/16W		
IC4121	8-759-710-97	IC NJM4565M-D				R4185	1-218-977-11	METAL CHIP 100K 5%	1/16W		
IC4161	6-715-074-01	IC MM1963DTRE				R4186	1-218-965-11	METAL CHIP 10K 5%	1/16W		
		< CONNECTOR/JACK >				R4188	1-208-911-11	METAL CHIP 10K 0.5%	1/16W		
J4000	1-819-866-11	USB CONNECTOR (A) (iPhone/iPod ⇄ DC5V ⇄ 1A MAX)				R4189	1-208-911-11	METAL CHIP 10K 0.5%	1/16W		
J4100	1-822-453-11	SMALL TYPE JACK (3.5 mm) (AUTO CAL MIC)				R4190	1-218-965-11	METAL CHIP 10K 5%	1/16W		
		< TRANSISTOR >						< VARISTOR >			
Q4121	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF				VD4120	1-811-155-11	ELEMENT, ESD PROTECT			
Q4123	6-551-693-01	TRANSISTOR RT3T11M-TP-1				VD4121	1-811-155-11	ELEMENT, ESD PROTECT			
		< RESISTOR >				VD4170	1-811-155-11	ELEMENT, ESD PROTECT			
R4111	1-218-965-11	METAL CHIP 10K 5%	1/16W			VD4171	1-811-155-11	ELEMENT, ESD PROTECT			
R4112	1-218-941-81	METAL CHIP 100 5%	1/16W					< VIBRATOR >			
R4114	1-218-990-81	SHORT CHIP 0				X4102	1-814-482-11	QUARTZ CRYSTAL UNIT (16.9344 MHz)			
R4115	1-218-941-81	METAL CHIP 100 5%	1/16W			*****					
R4116	1-218-941-81	METAL CHIP 100 5%	1/16W					MISCELLANEOUS			
R4117	1-218-941-81	METAL CHIP 100 5%	1/16W					*****			
R4118	1-218-941-81	METAL CHIP 100 5%	1/16W			ANT1	1-754-804-11	ANTENNA, 2.4GHZ (WiFi)			
R4119	1-218-941-81	METAL CHIP 100 5%	1/16W			△ AC1	1-821-082-21	INLET, AC 2P			
R4120	1-218-941-81	METAL CHIP 100 5%	1/16W			△ F901	1-533-311-12	FUSE, GLASS (DIA.5) (8 A/125 V)			
R4121	1-218-941-81	METAL CHIP 100 5%	1/16W			FFC1	1-828-412-11	WIRE (FLAT TYPE) (29 CORE)			
R4122	1-218-965-11	METAL CHIP 10K 5%	1/16W			FFC2	1-828-663-11	WIRE (FLAT TYPE) (14 CORE)			
R4123	1-218-965-11	METAL CHIP 10K 5%	1/16W			FFC3	1-828-577-11	WIRE (FLAT TYPE) (11 CORE)			
R4124	1-218-965-11	METAL CHIP 10K 5%	1/16W			FFC4	1-828-311-51	WIRE (FLAT TYPE) (9 CORE)			
R4125	1-218-965-11	METAL CHIP 10K 5%	1/16W			FC1	1-500-386-11	FILTER, CLAMP (FERRITE CORE)			
R4126	1-218-965-11	METAL CHIP 10K 5%	1/16W			FC2	1-500-386-11	FILTER, CLAMP (FERRITE CORE)			
R4127	1-218-965-11	METAL CHIP 10K 5%	1/16W			NW1	A-1894-008-A	NETWORK SERVICE (NETWORK MODULE)			
R4129	1-218-873-11	METAL CHIP 12K 0.5%	1/10W			Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK			
R4130	1-218-989-11	METAL CHIP 1M 5%	1/16W			Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK			
R4131	1-218-945-11	METAL CHIP 220 5%	1/16W			Q553	6-702-390-01	TRANSISTOR MN2488-OPY-MK			
R4132	1-218-941-81	METAL CHIP 100 5%	1/16W			Q554	6-702-391-01	TRANSISTOR MP1620-OPY-MK			
R4133	1-218-961-11	METAL CHIP 4.7K 5%	1/16W			Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK			
R4134	1-218-961-11	METAL CHIP 4.7K 5%	1/16W			Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK			
R4135	1-218-961-11	METAL CHIP 4.7K 5%	1/16W			Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK			
R4136	1-218-961-11	METAL CHIP 4.7K 5%	1/16W			Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK			
R4137	1-218-973-11	METAL CHIP 47K 5%	1/16W			Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK			
R4138	1-218-953-11	METAL CHIP 1K 5%	1/16W			Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK			
R4139	1-218-973-11	METAL CHIP 47K 5%	1/16W			Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK			
R4141	1-218-965-11	METAL CHIP 10K 5%	1/16W			Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK			
						Q853	6-702-390-01	TRANSISTOR MN2488-OPY-MK			
						Q854	6-702-391-01	TRANSISTOR MP1620-OPY-MK			
						△ T901	1-697-117-11	POWER TRANSFORMER			

Note: Wires (flat type) for service is all straight.
Please bend it referring go "HOW TO BEND WIRE (FLAT TYPE)" on page 20 when you install it in the unit.

Ref. No.	Part No.	Description	Remark
TU1	A-1846-564-A	TUNER1AMF ASSY (FM/AM TUNER UNIT)	

		ACCESSORIES	

	1-490-456-11	REMOTE COMMANDER (RM-AAP080)	
		(Remote control)	
	1-542-830-11	MEASUREMENT MIC (MONO)	
		(Optimizer microphone (ECM-AC2))	
	1-754-741-11	LOOP ANTENNA (AM loop antenna (aerial))	
	1-793-184-51	CONNECTOR (F TYPE ADAPTOR)	
		(FM wire antenna (aerial))	
⚠	1-839-698-11	CORD, POWER	
	4-428-194-12	MANUAL, INSTRUCTION (ENGLISH, FRENCH)	

MEMO

REVISION HISTORY

[illegible]

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.