HBD-E370/E470/ E570/E870/T57

SERVICE MANUAL

Ver. 1.0 2010.02

US Model
HBD-E370/E570/T57
Canadian Model
HBD-E370/E470/E870
AEP Model
UK Model
HBD-E370/E870

Photo: HBD-E370

- HBD-E370 is the amplifier, video, BD/DVD/Super Audio CD/CD system, USB, LAN and tuner section in BDV-E370.
- HBD-E470 is the amplifier, video, BD/DVD/Super Audio CD/CD system, USB, LAN and tuner section in BDV-E470.
- HBD-E570 is the amplifier, video, BD/DVD/Super Audio CD/CD system, USB, LAN and tuner section in BDV-E570.
- HBD-E870 is the amplifier, video, BD/DVD/Super Audio CD/CD system, USB, LAN and tuner section in BDV-E870.
- HBD-T57 is the amplifier, video, BD/DVD/Super Audio CD/CD system, USB, LAN and tuner section in BDV-T57.

Model Name Using Similar Mechanism	BDP-S370
Mechanism Type	BPX-5
Optical Pick-up Block Name	KEM-460AAA

SPECIFICATIONS

Amplifier Section

U.S. models:
POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
(FTC)
Front L + Front R: With 3 ohms loads, both channels driven, from 180 - 20,000 Hz; rated 60 watts per channel minimum RMS power, with no more than 1% total harmonic distortion from 250 milli watts to rated output.
Other models:
POWER OUTPUT (rated)
Front L/Front R: 108 W + 108 W (at 3 ohms, 1 kHz, 1% THD)
HBD-E370:
POWER OUTPUT (reference)
Front L/Front R/Center/Surround L/Surround R: 142 W (per channel at 3 ohms, 1 kHz)
Subwoofer: 140 W (at 3 ohms, 80 Hz)
HBD-E870/HBD-E570/HBD-E470/HBD-T57:
POWER OUTPUT (reference)
Front L/Front R/Center/Surround L/Surround R: 167 W (per channel at 3 ohms, 1 kHz)
Subwoofer: 165 W (at 3 ohms, 80 Hz)
Inputs (Analog)
AUDIO (AUDIO IN) Sensitivity: 450/250 mV
Inputs (Digital)
SAT/CABLE (COAXIAL), TV (OPTICAL) Supported formats: LPCM 2CH (up to 48 kHz), Dolby Digital, DTS

Video Section

Outputs VIDEO: 1 Vp-p 75 ohms
COMPONENT:
Y: 1 Vp-p 75 ohms
P_B/C_B, P_R/C_R: 0.7 Vp-p 75 ohms
HDMI OUT: Type A (19 pin)

BD/DVD/Super Audio CD/CD System

Signal format system NTSC (US and Canadian models)
PAL/NTSC (AEP and UK models)

USB Section

(USB) port: Type A (For connecting USB memory, memory card reader, digital still camera, and digital video camera)
Maximum current: 500 mA

LAN Section

LAN (100) terminal 100BASE-TX Terminal

Tuner Section

System PLL quartz-locked digital synthesizer
FM tuner section
Tuning range
North American models: 87.5 MHz - 108.0 MHz (100 kHz step)
Other models: 87.5 MHz - 108.0 MHz (50 kHz step)
Antenna (aerial) FM wire antenna (aerial)
Antenna (aerial) terminals 75 ohms, unbalanced
Intermediate frequency 10.7 MHz

General

Power requirements
North American model: 120 V AC, 60 Hz
Other models: 220 - 240 V AC, 50/60 Hz
Power consumption On: 170 W
Standby: 0.3 W (at the Power Saving mode)
Dimensions (approx.) 430 mm × 85 mm × 335 mm (17 in × 3 3/8 in × 13 1/4 in) (w/h/d) incl. projecting parts
Mass (approx.) 4.8 kg (10 lb 10 oz)

Design and specifications are subject to change without notice.

BLU-RAY DISC/DVD RECEIVER

9-889-770-01
2010B05-1
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Sony Corporation
Audio&Video Business Group
Published by Sony Techno Create Corporation

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  Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision
  Reverse engineering or disassembly is prohibited
- This system incorporates with Dolby* Digital and Dolby Pro Logic (II) adaptive matrix surround decoder and the DTS** Digital Surround System
  * Manufactured under license from Dolby Laboratories
  Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories
  **Manufactured under license under U S Patent #'s:
  5,451,942; 5,956,674; 5,974,380; 5,978,762; 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 is a registered trademark and the DTS logos, Symbol, DTS-HD and DTS-HD Master Audio are trademarks of DTS, Inc
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This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear exterior.

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.

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.

FLEXIBLE CIRCUIT BOARD REPAIRING

- Keep the temperature of soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

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)

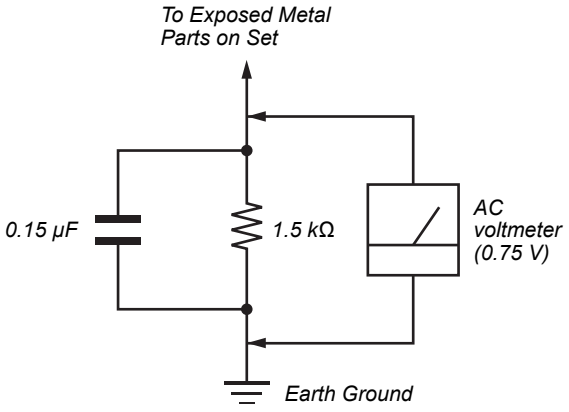

Fig. A. Using an AC voltmeter to check AC leakage.

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SECTION 1
SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pickup block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

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.

RELEASING THE DISC TRAY LOCK

The disc tray lock function for the antitheft of an demonstration disc in the store is equipped.

Releasing Procedure:

1. Press the [I/⏻] button to turn on the system.
2. Press the [FUNCTION] button to select “BD/DVD”.
3. Press the [■] and [⏏] buttons simultaneously and hold down unit “DEMO OFF” displayed on the fluorescent indicator tube (around 5 seconds).

Note: When “DEMO ON” is displayed, the disc tray lock is not released by turning power on/off with the [I/⏻] button.

ABOUT THE LENS CLEANING

Do not do the lens cleaning with the cotton bud etc. It causes the trouble.

NOTE THE IC101, IC104, IC105, IC204, IC205, IC307, IC311, IC501 AND IC502 ON THE MB-134 BOARD REPLACING

IC101, IC104, IC105, IC204, IC205, IC307, IC311, IC501 and IC502 on the MB-134 board cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

TEST DISC

Part No.	Description	Layer
J-6090-199-A	BLX-104	Single Layer
J-6090-200-A	BLX-204	Dual Layer
J-2501-307-A	CD (HLX-A1)	
J-2501-305-A	HLX-513	Single Layer (NTSC)
J-2501-306-A	HLX-514	Dual Layer (NTSC)
J-6090-077-A	HLX-506	Single Layer (PAL)
J-6090-078-A	HLX-507	Dual Layer (PAL)

Note: Refer to the service manual of BDP-BX1/S350 (Part No. 9-883-989-1□) (page 1-3 to 1-14E) for the use of BLX-104/204.

Operation and Display:

1. BLX-104

Procedure:

1. Select 23.976Hz/1080p.
2. Play “4.Motion picture”.
3. Check whether player can play back or not.
4. Check each outputs.
   Video:
   Composite/S Video/component/HDMI.
   Audio:
   Speaker out.

∗ When 1080/24p monitor is nothing, 1080i (59.94Hz or 50Hz) can use instead of 1080/24p.
However this is temporary correspondence.

2. BLX-204

Procedure:

1. Select 1080i (59.94Hz or 50Hz).
2. Play “4.Motion picture”.
3. Check whether player can play back or not (Check the picture and sound output).

3. CD (HLX-A1)

Procedure:

Check whether player can play back or not (Check the sound output).

4. HLX-513/514 (NTSC), HLX-506/507 (PAL)

Procedure:

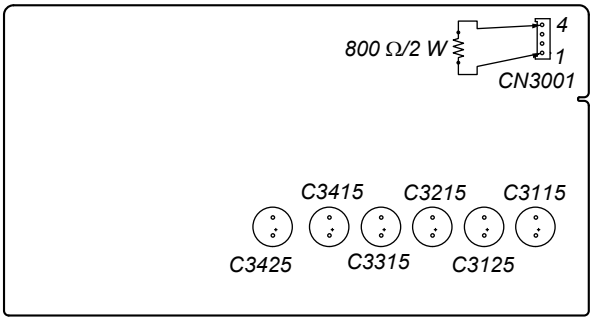
1. After displayed Main Menu, select “1.Video Signal”.
2. Play “1.Color bar 100%” (Check the picture and sound output).
3. Return to Menu.
4. Play “Demonstration 4:3” or “Demonstration 16:9” (Check the picture and sound output).

CAPACITOR ELECTRICAL DISCHARGE PROCESSING

When checking the board, the electrical discharge is necessary for the electric shock prevention.
Connect the resistors referring to the figure below.

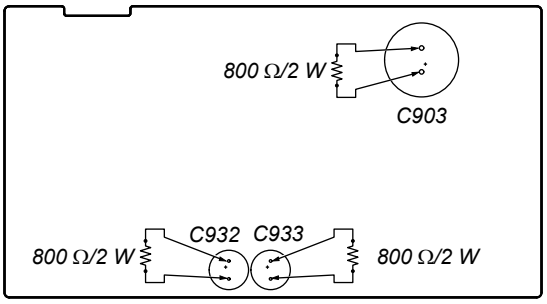
- MAIN board (C3115, C3125, C3215, C3315, C3415, C3425)
  Both ends of CN3001.

– MAIN Board (Conductor Side) –



- POWER board (C903, C932, C933)
  Both ends of respective capacitors.

– POWER Board (Conductor Side) –



NOTE OF REPLACING THE OPTICAL DEVICE (KEM-460AAA) OR MB-134 BOARD

Optical device (KEM-460AAA) for BD requires precise read out functions and secure contents protection system for more than past DVD/CD.
Therefore, in the case repaired as follows, the writing work of the OP data is necessary.

- When the optical device (KEM-460AAA) is replaced (The MB-134 board doesn't replace).
- When both the optical device (KEM-460AAA) and MB-134 board are replaced.
- When the MB-134 board is replaced (The optical device (KEM-460AAA) doesn't replace) (In this case, do the work of "3. Optical device (KEM-460AAA) replacement" other than the replacement of new optical device).

Note: The servo adjustment is done while writing the OP data. The manual adjustment is unnecessary.
LD ON TIME history doesn't carry over.
Do not touch any optical block parts, turn table and during replacing. BD laser diode is very sensitive.

1. Preparation

1-1. ESD Countermeasure

It is necessary to confirm the state of static electricity in the work space before the repair is started.
The static electricity resistance of the BD laser is weaker than that of the DVD/CD laser.
Do work space and worker's ESD countermeasures to prevent destruction by ESD.

1-2. Jig

- Digital camera (Recommend with macro mode)
- USB memory
- PC
- Barcode decoder (Refer to "1-3. Barcode decoder (BDBUDEC)")

1-3. Barcode decoder (BDBUDEC)

Part No. : J-6090-212-A
Jig name : BDBUDec.exe
Release : 2009.02.19
Version : 1.0.0.0
Software contents :

- BDBUDec.exe : Barcode decoder software
- SavePath.ini : Decoded file destination setting file (Initial destination is "C:\BuData.txt")
- TasmanBars.dll : Decode dll
- Uninst.exe : Uninstall the "BDBUDec.exe" from PC

Install procedure:

1. Unzip the barcode decoder files to any PC folder.
2. Check the taken barcode photo click & drop onto "BDBUDec.exe".
   When the barcode decoder is used for the first time, the password is necessary. It is unnecessary since the second times.

Note 1: The password will be supplied to only service headquarters, and service center name/q'ty/all of software registered information should be maintained by service headquarters.
Note 2: Do not change the decoded file name "BuData.txt".

3. When ".NET frame work requirements" is displayed, download following applications from Microsoft download site.

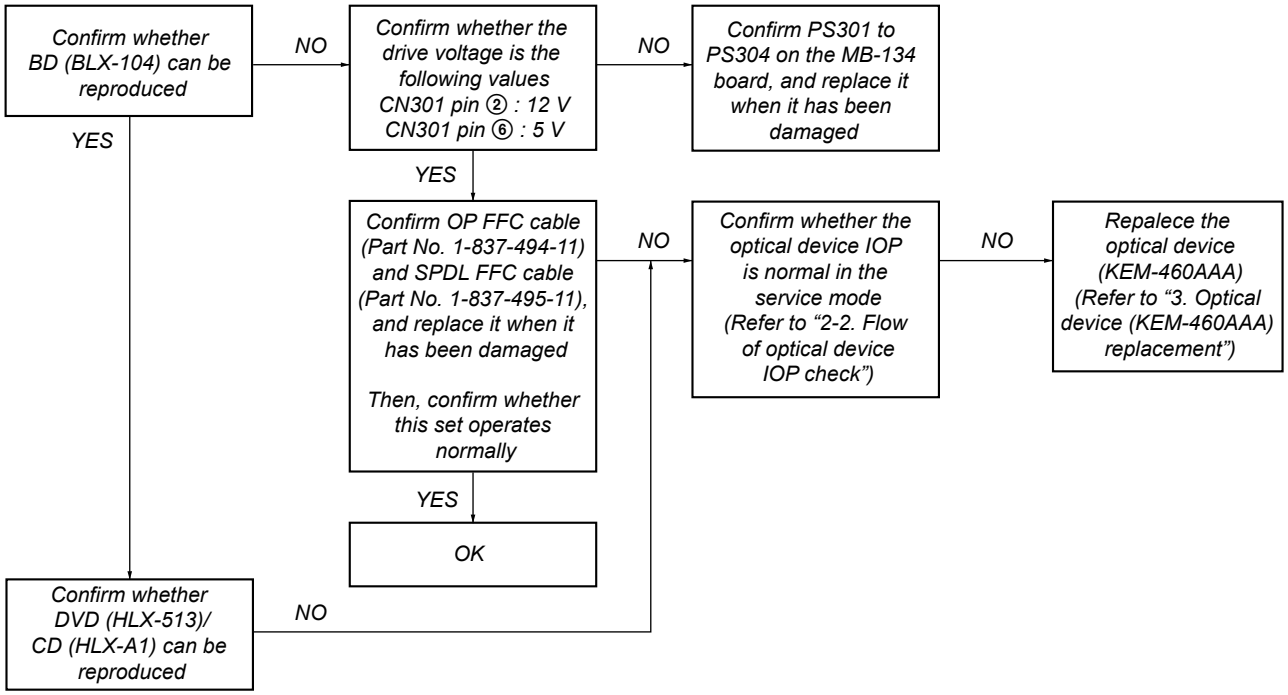
- Microsoft .NET Framework Version 2.0 Redistributable Package (x86)
  http://www microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=0856eacb-4362-4b0d-8edd-aab15c5e04f5

- Microsoft .NET Framework 2.0 Service Pack 1 (x86)
  http://www microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=79bc3b77-e02c-4ad3-aacf-a7633f706ba5

2. Pass-fail judgment of the optical device (KEM-460AAA)

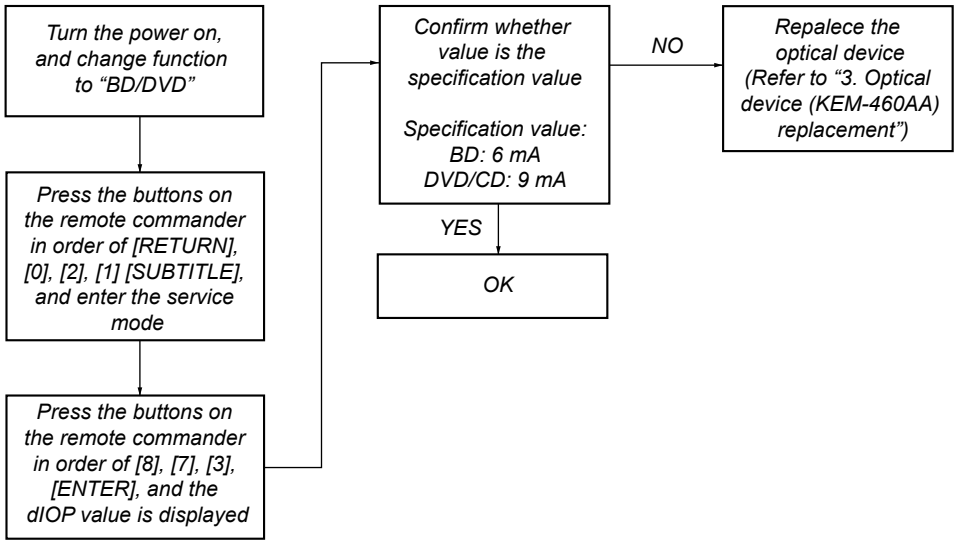
Perform pass-fail judgment to judge whether the repair of the optical device (KEM-460AAA) is necessary.

2-1. Flow of drive section check



Note: Refer to "2-12. OPTICAL DEVICE (KEM-460AAA), WIRE (FLAT TYPE)" (page 17) about how to remove the FFC HOLDER (REAR).

2-2. Flow of optical device IOP check



3. Optical device (KEM-460AAA) replacement

Flow of replacement:

Note: The photo in flow is an image.

Barcode label on new optical device (KEM-460AAA) bottom side

Take photo (JPEG) by digital camera

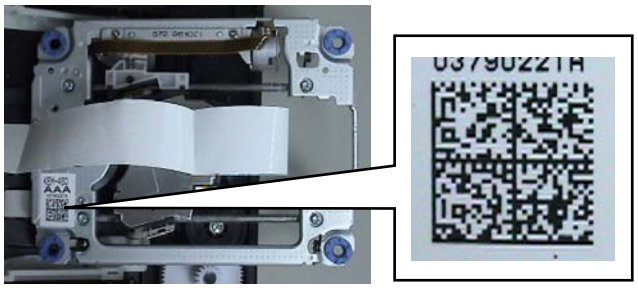
Change photo into the text data with the barcode decoder

Save the text data to USB memory (memory capacity need not be 8GB)

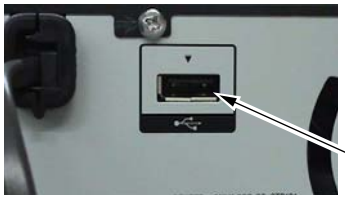
Connect USB memory with rear USB connector on this set, and read the text data by the service mode

Procedure:

1. Remove the INSULATOR (4 pieces) and broken optical device (KEM-460AAA) from LOADING ASSY.
2. Take photo of the barcode on new optical device (KEM-460AAA) bottom side by digital camera.



3. Assemble the INSULATOR (4 pieces) to new optical device (KEM-460AAA), fix (Torq0ue value: 2 kgf) it to LOADING ASSY with screw, and assemble this set.
4. Drag & drop the taken photo by step 2 to “BDBUDec.exe”, and make the text data (File name: BuData.txt).
5. Save the text data to USB memory.
6. Connect USB memory with rear USB connector on this set, and turn the power on.



Rear USB connector

7. Press the [FUNCTION] button to select “BD/DVD”.
8. Press the buttons on the remote commander in order of [RETURN], [0], [2], [1], [SUBTITLE], and enter the service mode.
9. Press the buttons on the remote commander in order of [8], [1], [ENTER], and execute “[1] Drive OP data Write”.
10. Turn the power off after writing the OP data.
11. Turn the power on, and enter the service mode again.
12. Press the buttons on the remote commander in order of [8], [7], [3], [ENTER], and the dIOP value is displayed.
13. Confirm value is the following specification value, and turn the power off.

    Specification value:

    BD : 6 mA

    DVD/CD : 9 mA

14. Turn the power on, confirm playback performance of the BD (BLX-104)/DVD (HLX-513)/CD (HLX-A1).
15. Completely assemble this set, and complete the repair.

NOTE THE BD DRIVE (BPX-5) PARTS REPLACING

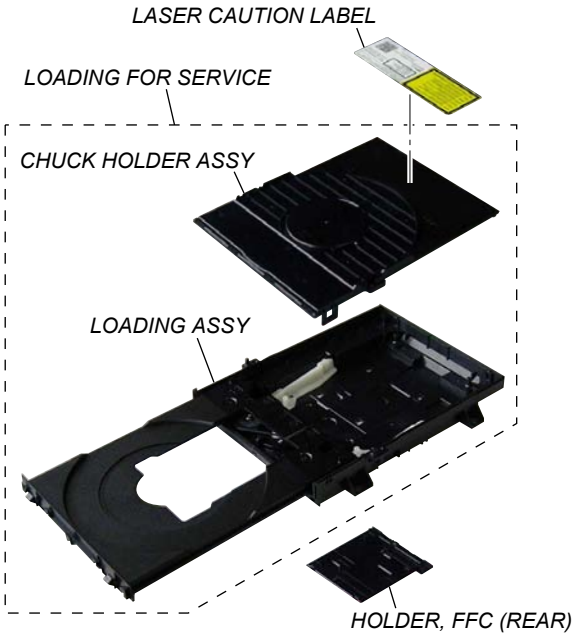
The mechanism blocks except optical device of BD drive (BPX-5) are chiefly composed of the following parts.

- CHUCK HOLDER ASSY
- LOADING ASSY
- HOLDER, FFC (REAR)

These parts are produced by two venders, it is not compatible. Therefore, CHUCK HOLDER ASSY and LOADING ASSY are supplied by one pair as repair parts. Please exchange both CHUCK HOLDER ASSY and LOADING ASSY at the same time.

HOLDER FFC (REAR) need not be exchanged at the same time.

Note: The laser caution label is not pasted to LOADING FOR SERVICE (Part No. A-1750-926-A). Please peel off an original laser caution label, and paste it to LOADING FOR SERVICE when you use LOADING FOR SERVICE.



MODEL IDENTIFICATION

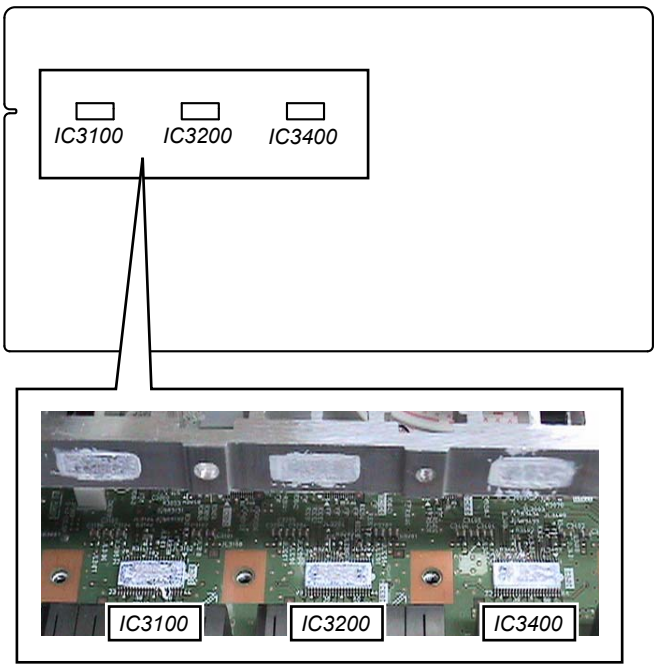
– Rear Chassis –

Model	Part No.
E370: AEP and UK models	4-161-684-1□
E370: US model	4-161-685-1□
E370: Canadian model	4-161-685-2□
E470: Canadian model	4-161-686-1□
E570: US model	4-161-684-3□
E870: Canadian model	4-161-684-5□
E870: AEP and UK models	4-161-686-5□
T57: US model (for Costco)	4-161-686-0□

NOTE OF REPLACING THE THE IC3100, IC3200 AND IC3400 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD

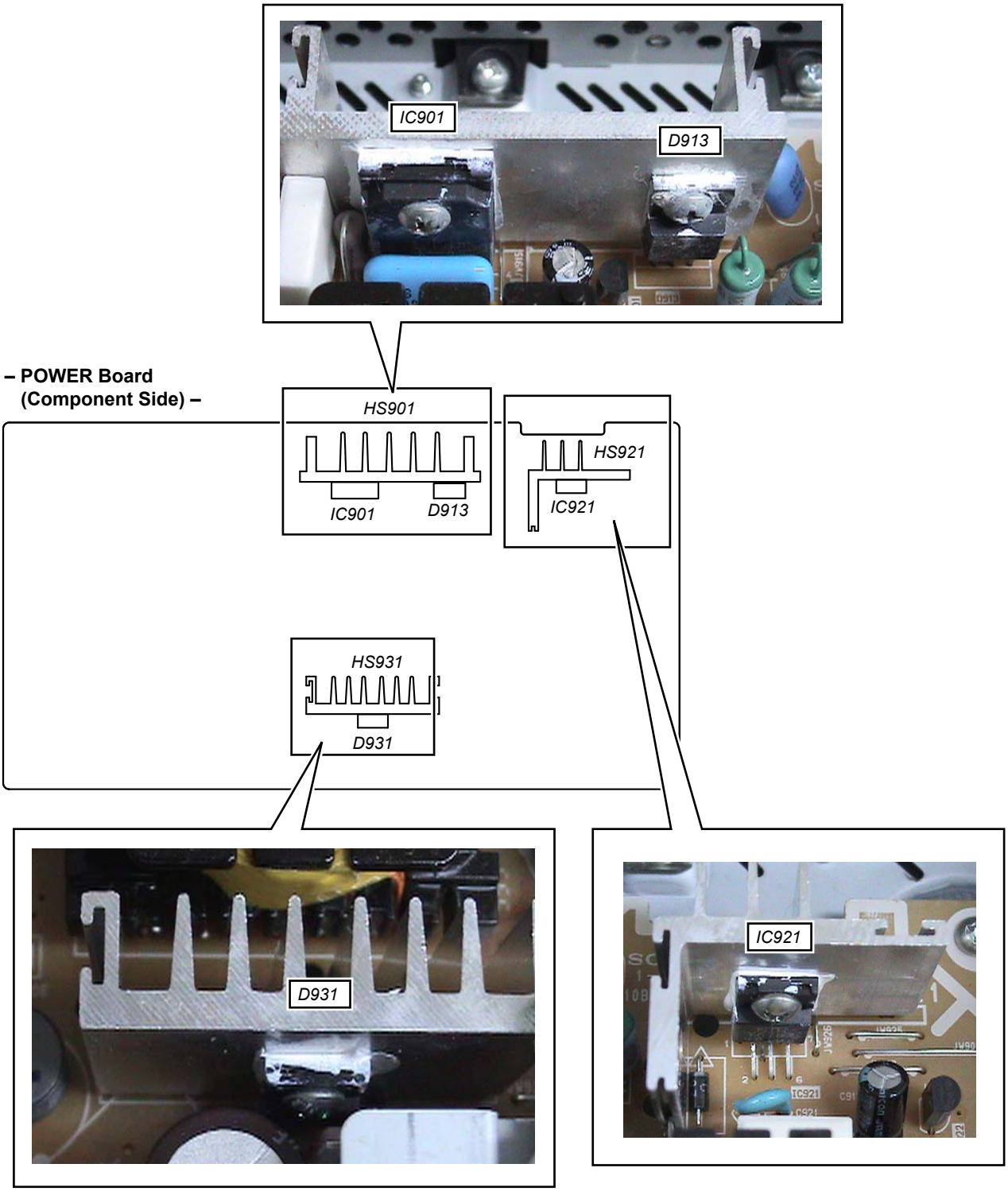
When IC3100, IC3200 and IC3400 on the MAIN board and the complete MAIN board are replaced, it is necessary to spread the compound (THERMAL COMPOUND (G747)) (Part No. J-2501-221-A) between parts and heat sink.
Spread the compound referring to the figure below.

– MAIN Board (Component Side) –



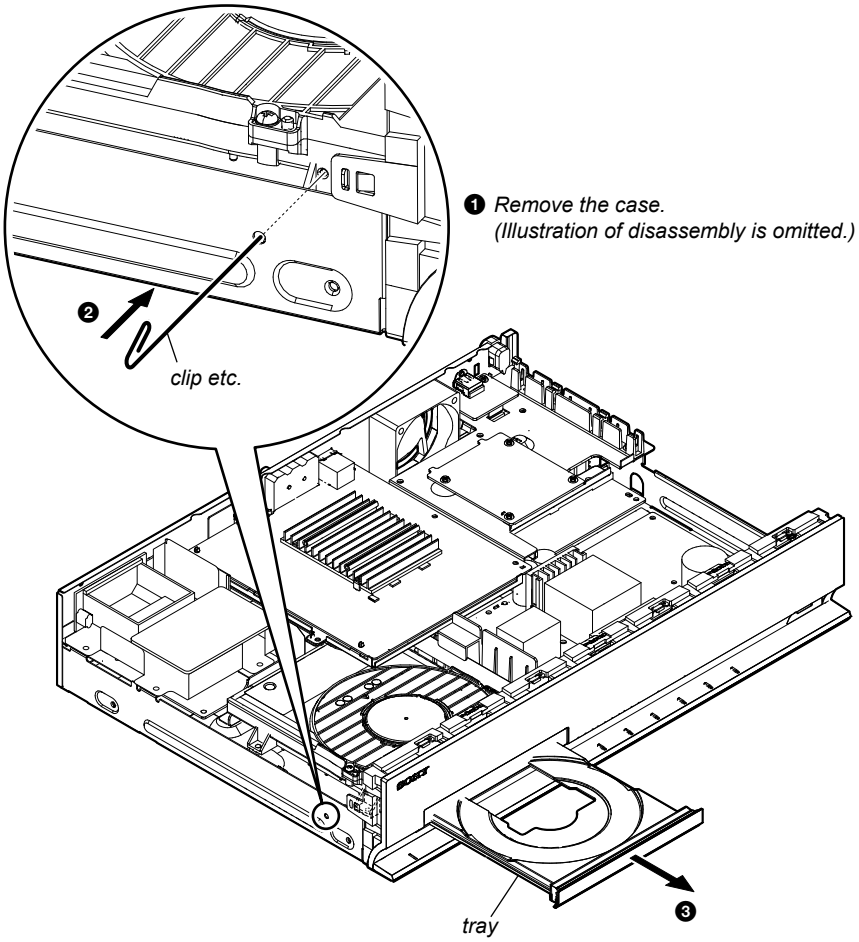
NOTE OF REPLACING THE D913, D931, IC901 AND IC921 ON THE POWER BOARD AND THE COMPLETE POWER BOARD

When D913, D931, IC901 and IC921 on the POWER board and the complete POWER board are replaced, it is necessary to spread the compound (THERMAL COMPOUND (G747)) (Part No. J-2501-221-A) between parts and heat sink.
Spread the compound referring to the figure below.

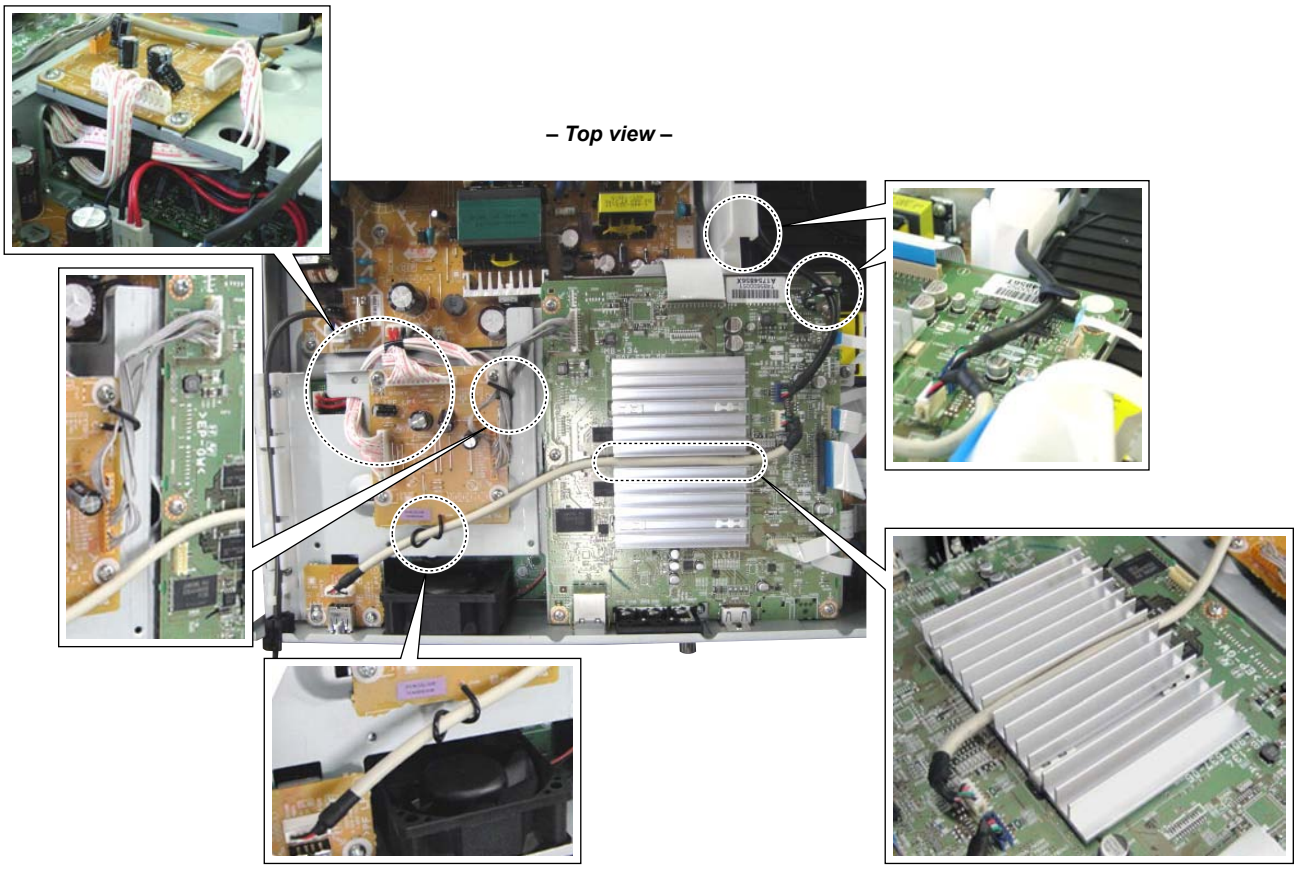


HOW TO OPEN THE TRAY WHEN POWER SWITCH TURN OFF

Note 1: After the case is removed, this mark is done.
Note 2: Please prepare the thin wire (clip etc.).



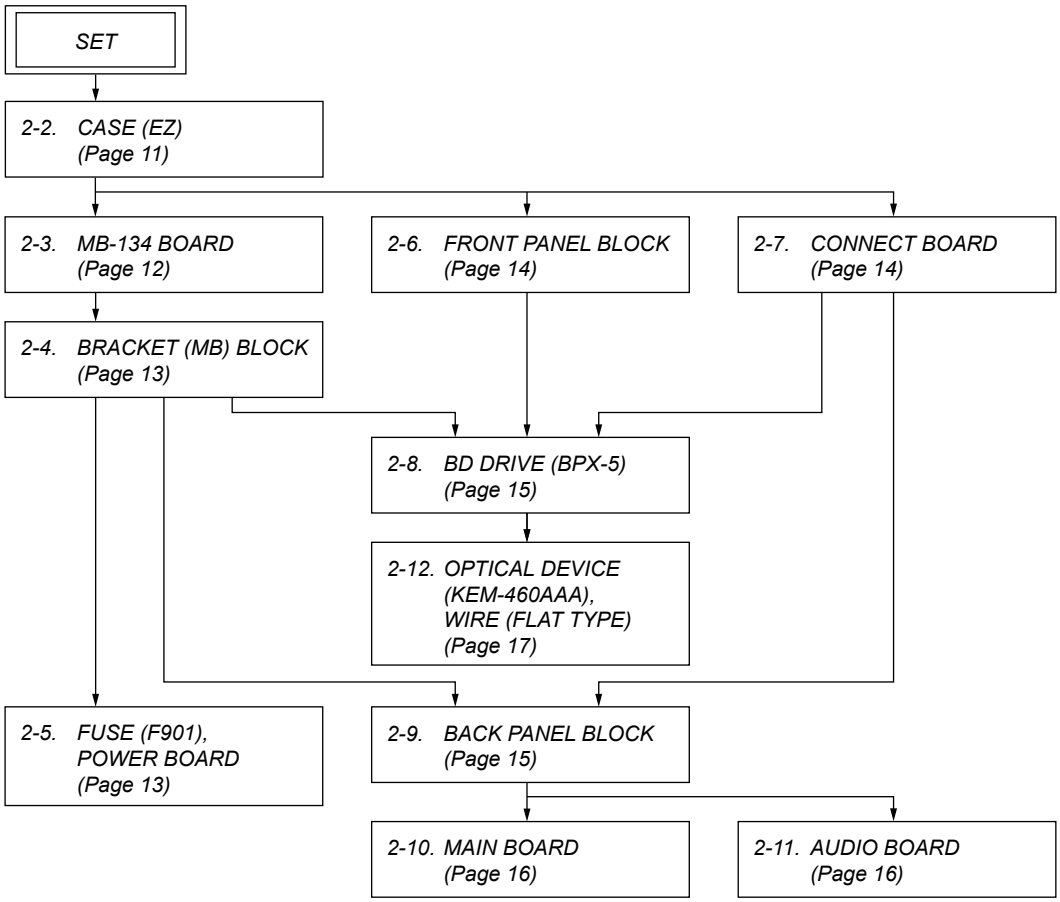
PROCESSING OF HARNESS (USB)



SECTION 2
DISASSEMBLY

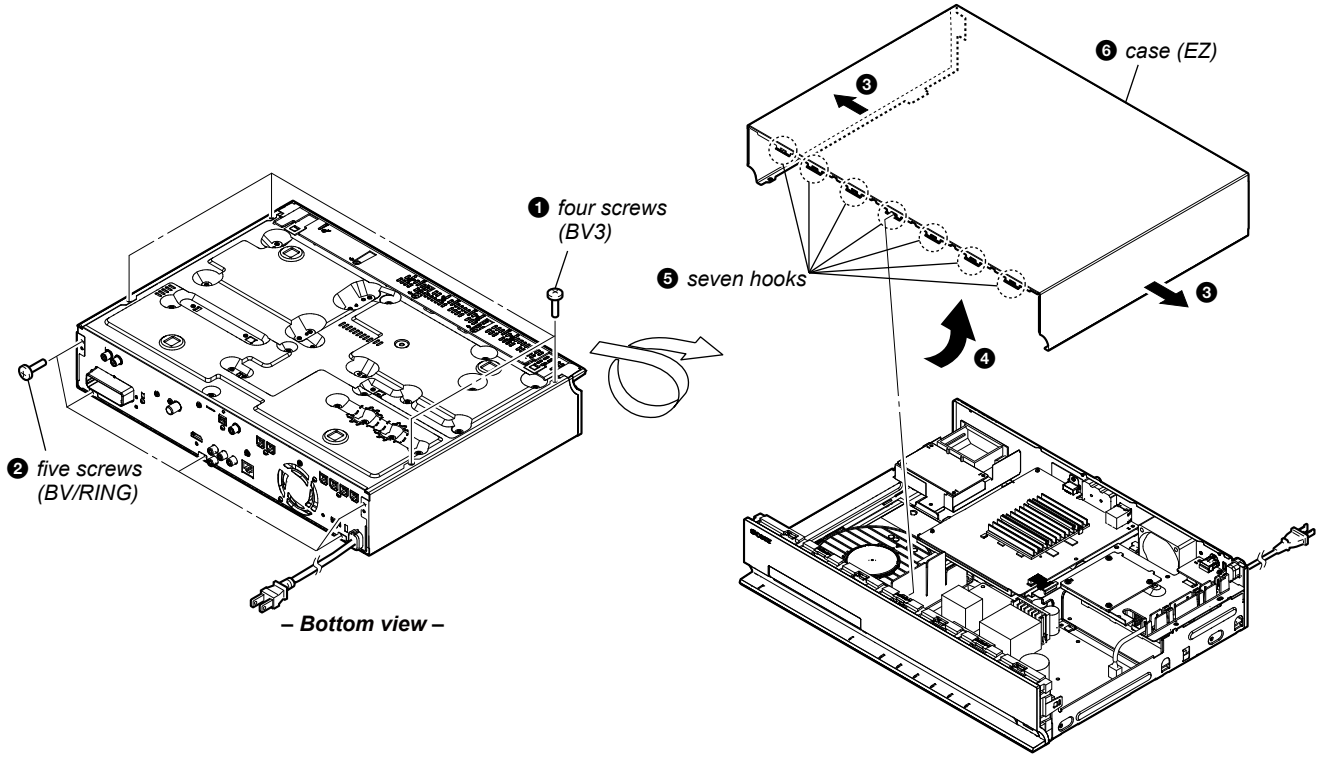
- This set can be disassembled in the order shown below.

2-1. DISASSEMBLY FLOW

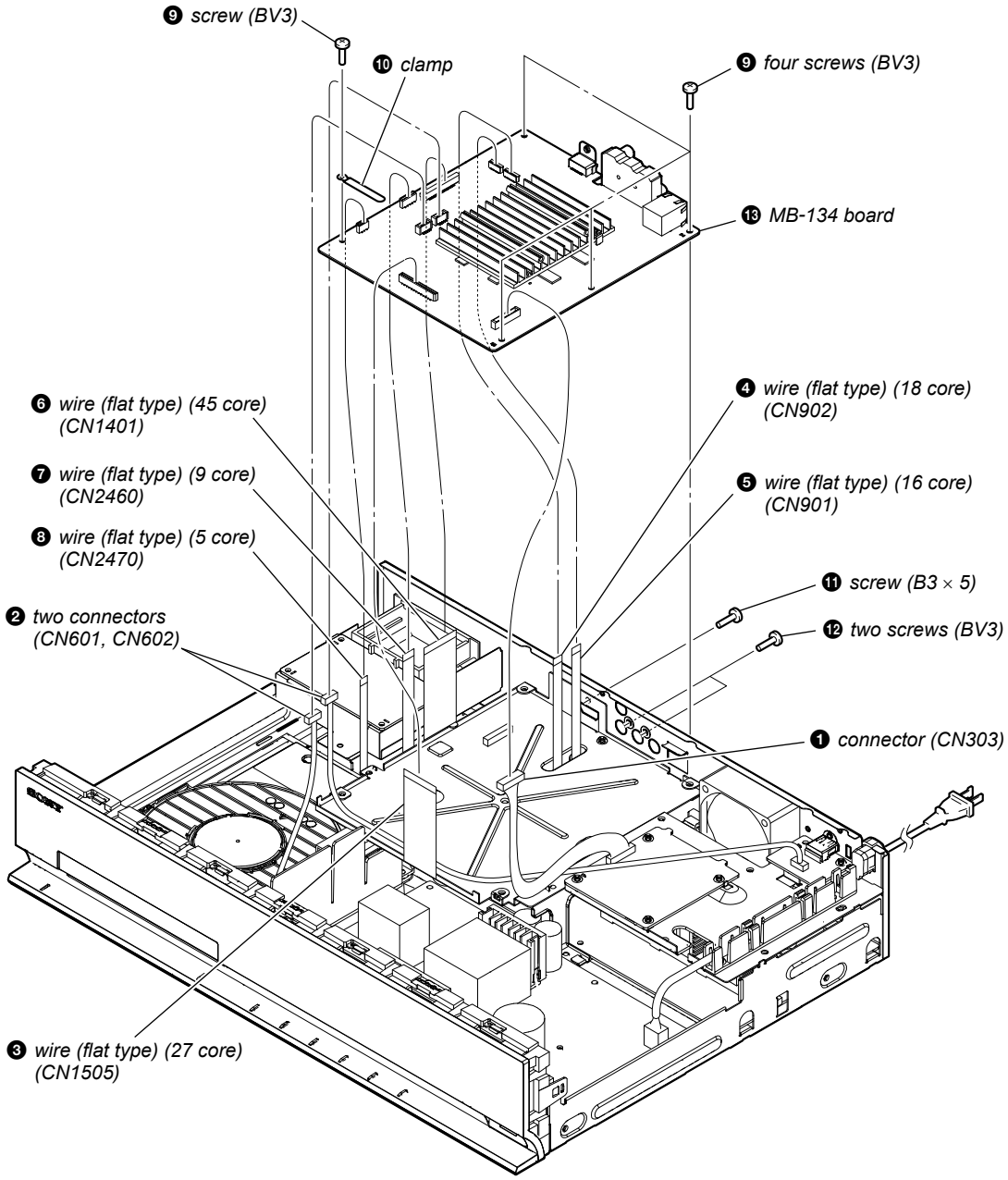


Note: Follow the disassembly procedure in the numerical order given.

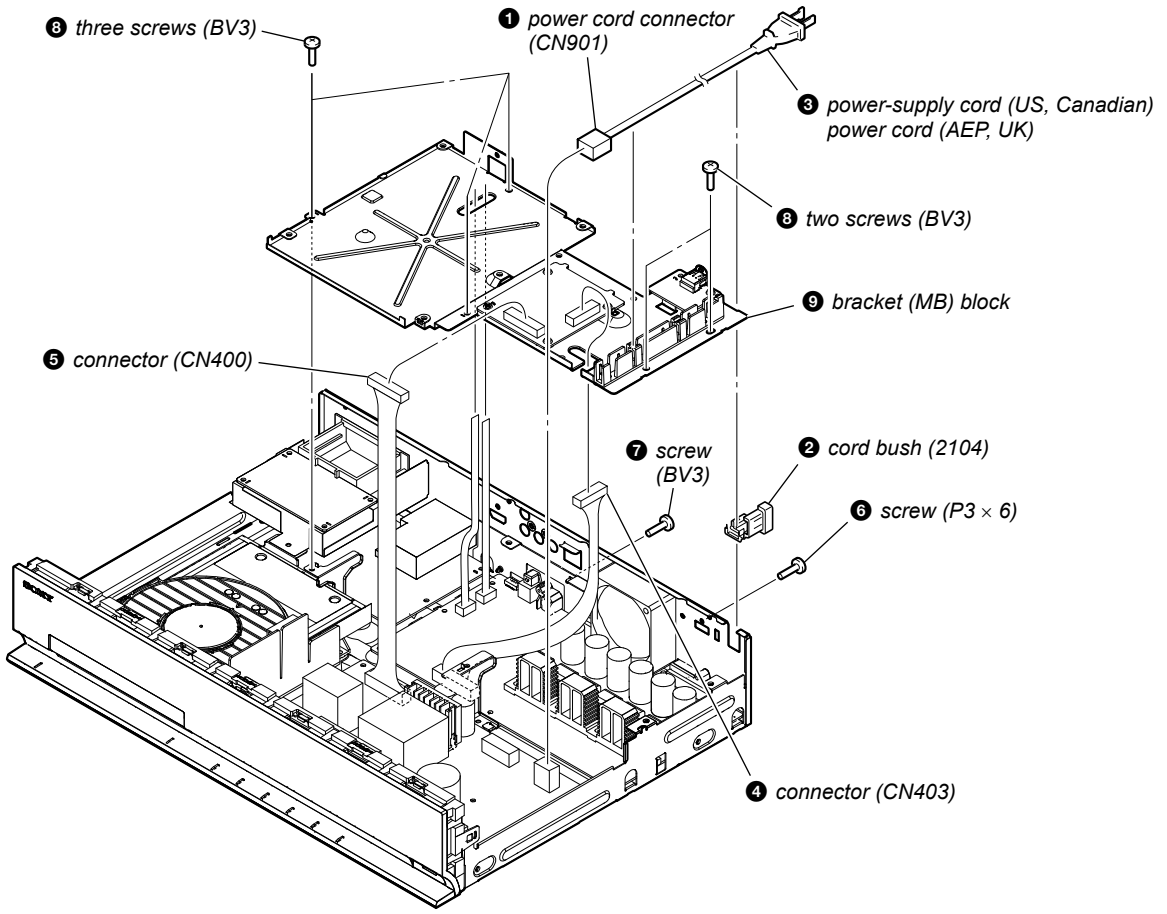
2-2. CASE (EZ)



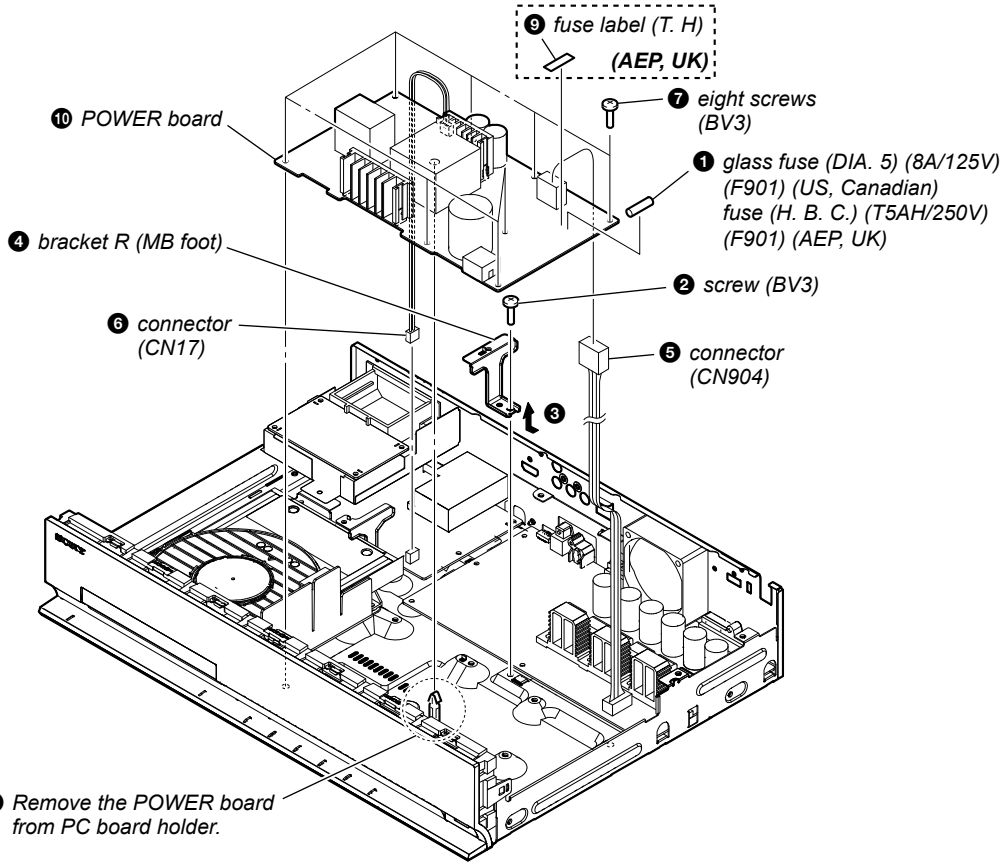
2-3. MB-134 BOARD



2-4. BRACKET (MB) BLOCK

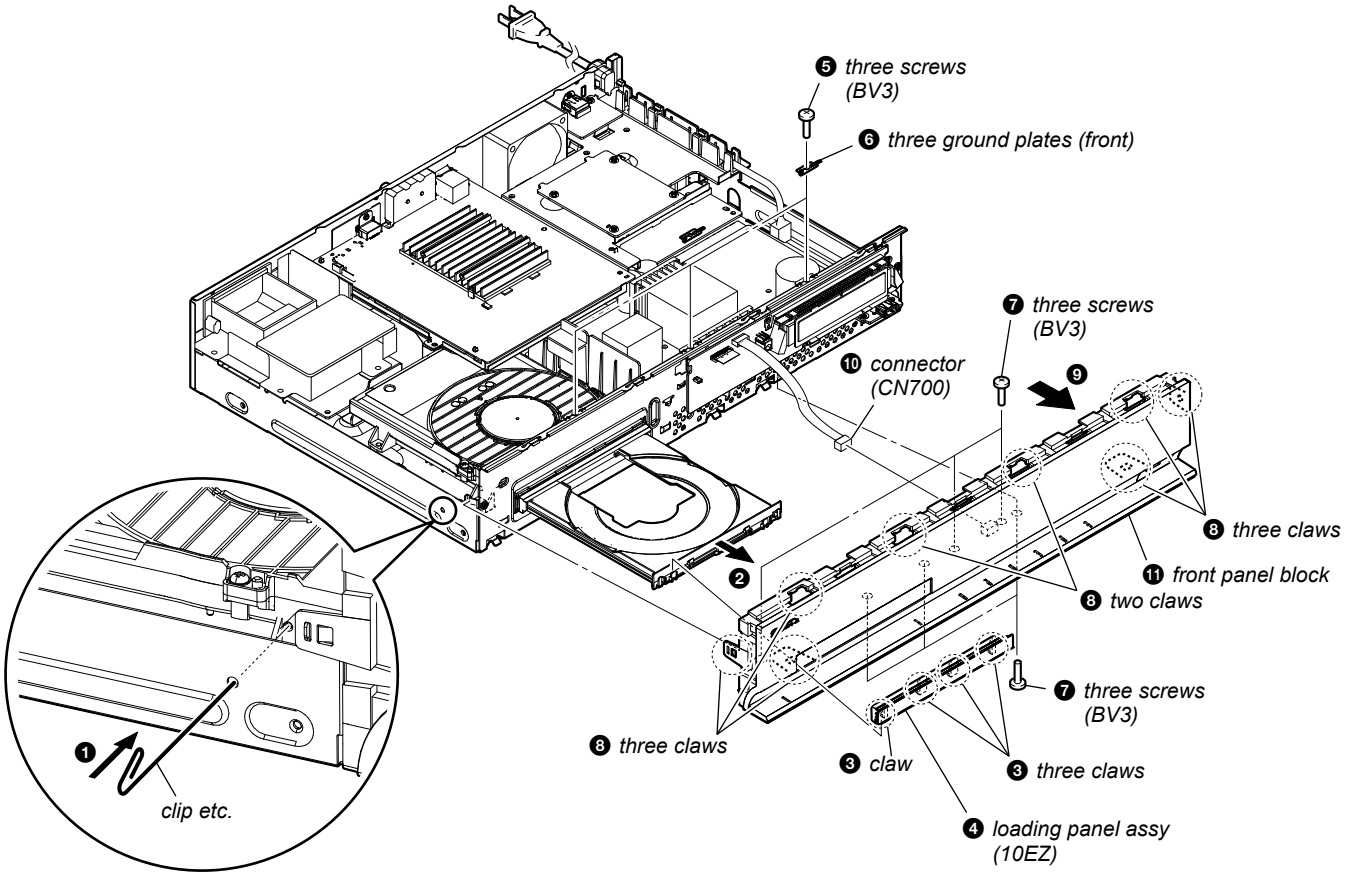


2-5. FUSE (F901), POWER BOARD

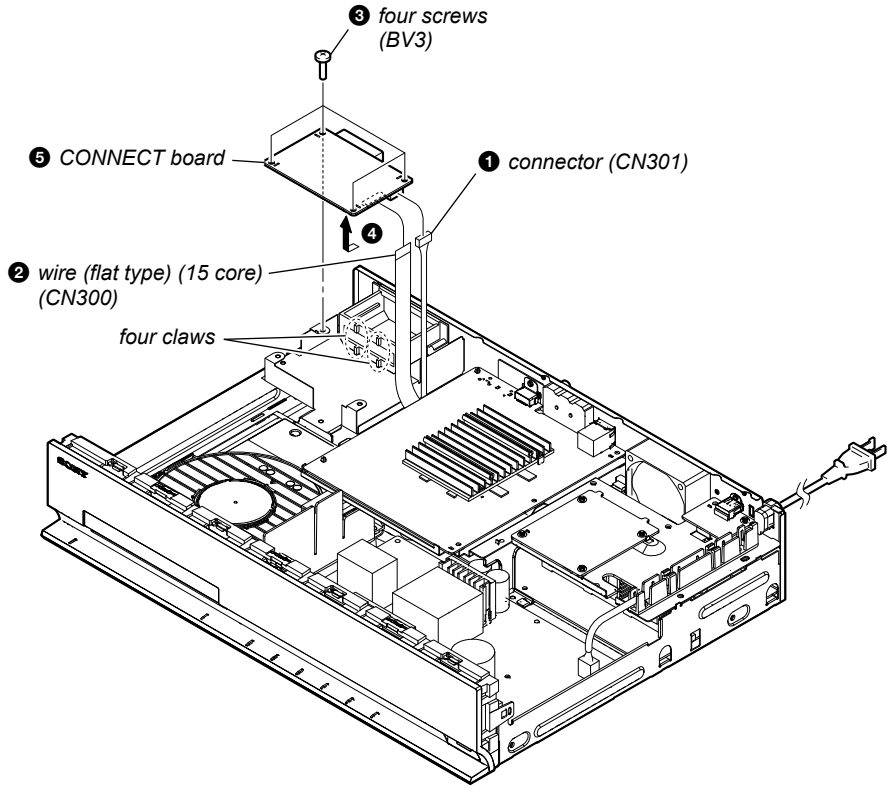


2-6. FRONT PANEL BLOCK

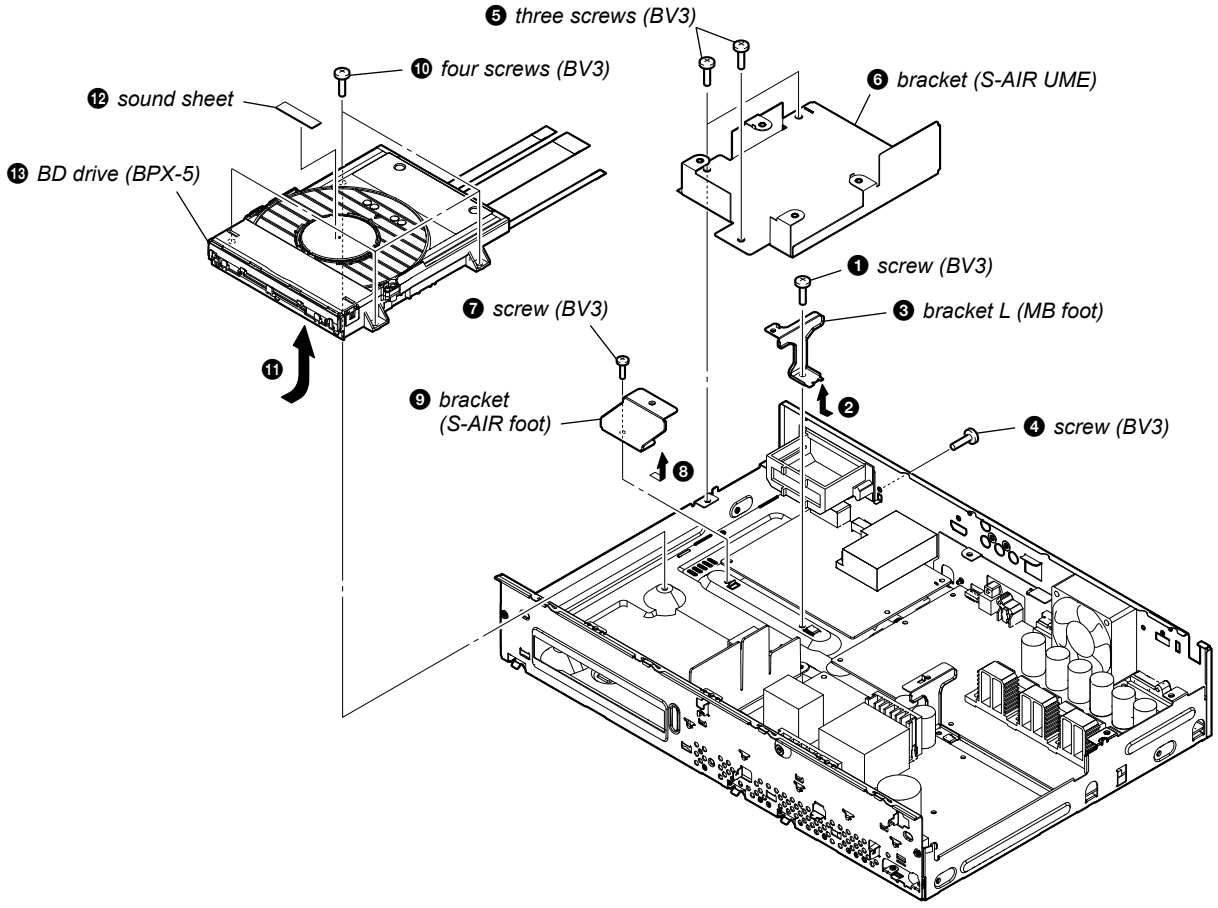
Note: Please prepare the thin wire (clip etc.).



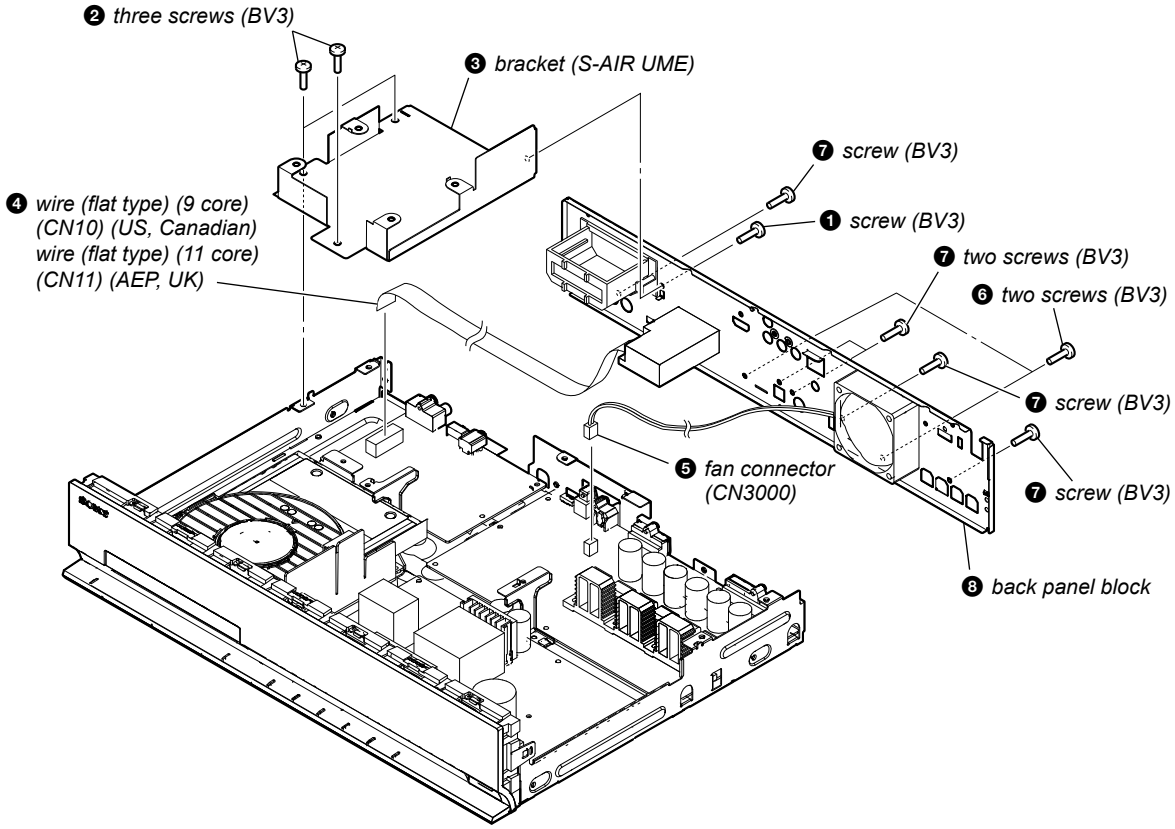
2-7. CONNECT BOARD



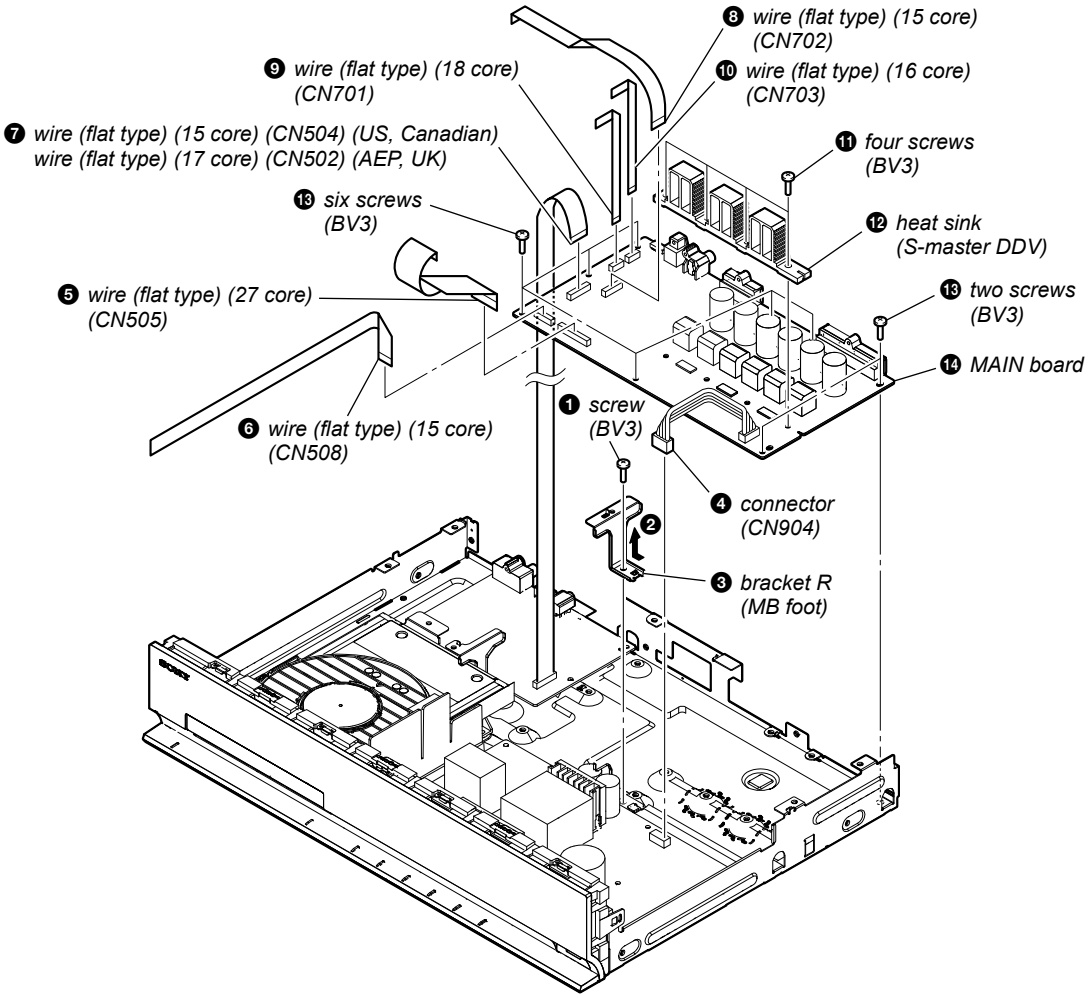
2-8. BD DRIVE (BPX-5)



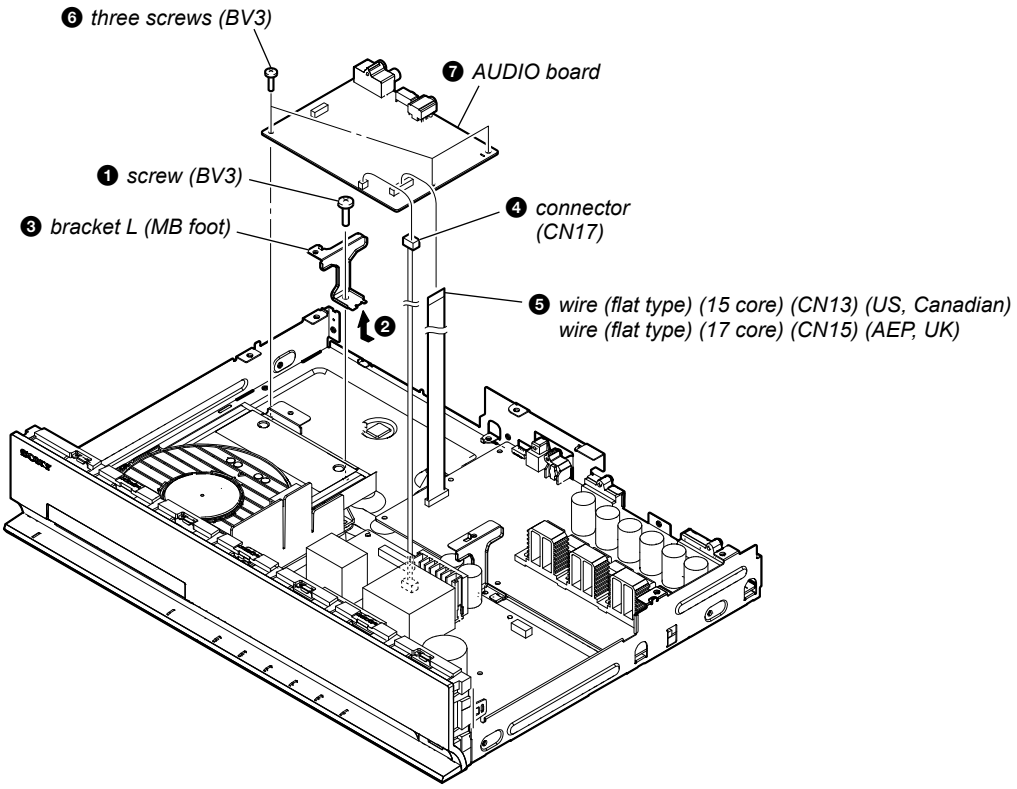
2-9. BACK PANEL BLOCK



2-10. MAIN BOARD

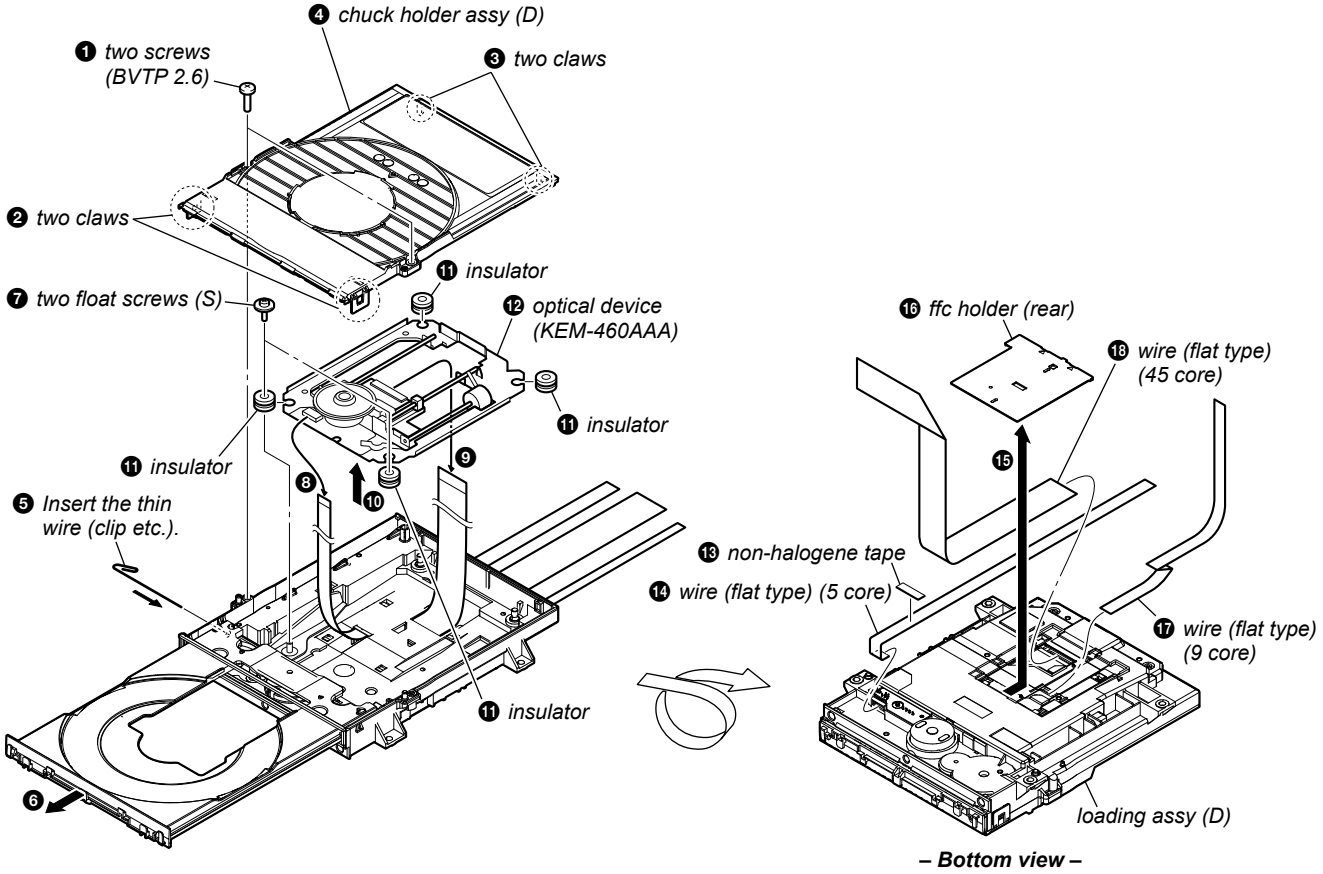


2-11. AUDIO BOARD



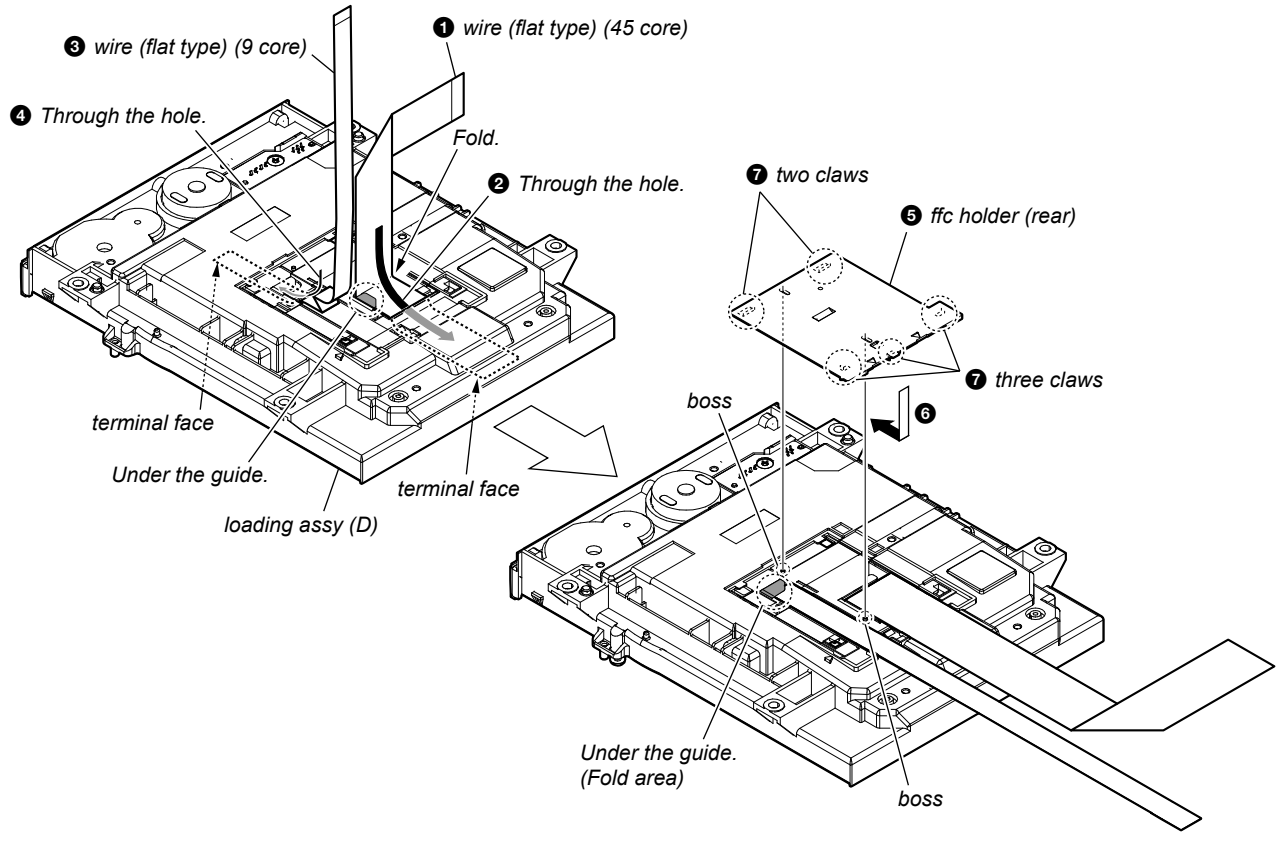
2-12. OPTICAL DEVICE (KEM-460AAA), WIRE (FLAT TYPE)

Note: Please prepare the thin wire (clip etc.).



• ***Installation of wire (flat type) (45 core) and wire (flat type) (9 core)***

Note: This illustration sees the loading assy (D) from bottom side.



SECTION 3
TEST MODE

COLD RESET

The cold reset clears data except BD/DVD data stored in the RAM to initial conditions. Execute this mode when returning the set to the customers.

Procedure:

1. Press the [I/⏻] button to turn the power on.
2. Press the [■] and [VOLUME –] buttons simultaneously and hold down (around 5 seconds).
3. The message "COLD RESET" appears on fluorescent indicator tube, then becomes standby states.

DEMO MODE

This mode let you lock the disc tray. When this mode is activated, the disc will not eject when the [⏏] button is pressed. The message "LOCKED" will be displayed on the fluorescent indicator tube.

Procedure:

1. Press the [I/⏻] button to turn the power on.
2. Press the [FUNCTION] button to select the "BD/DVD".
3. Press the [■] and [⏏] buttons simultaneously and hold down until "DEMO ON" or "DEMO OFF" displayed on the fluorescent indicator tube (around 5 seconds).

S-AIR ID SETTING CHANGE

Procedure:

1. Press the [I/⏻] button to turn the power on.
2. Press the [FUNCTION] and [VOLUME +] buttons simultaneously and hold down (around 5 seconds).
3. S-AIR ID setting is changed (A → B → C → A...).

PANEL TEST

Procedure:

1. Press the [I/⏻] button to turn the power on.
2. Press button in order of the [RETURN] → [0] → [0] → [1] → [SUBTITLE] on the remote commander (Make the interval when each button is pressed within two seconds).
3. All segments in fluorescent indicator tube are lighted up. And half segments in fluorescent indicator tube are lighted up, others half segments in fluorescent indicator tube are lighted up, then LEDs and all segments in fluorescent indicator tube are lighted up. This operation is repeated.
4. When all segments in fluorescent indicator tube are lighted up in the state of step 3, press the [VOLUME +] button on the remote commander and model information is displayed on the fluorescent indicator tube.
   Each time the [VOLUME +] button on the remote commander is pressed, the display changes from destination information, STR version, SYS version, UI version, BDLIB version, ST version, TA version, DSP version, TM version, CEC version, SAIR version, PF version in this order, and returns to the model information display.
   Each time the [VOLUME –] button on the remote commander is pressed, the version and date are switched.
5. In the state of step 3, press the [FUNCTION] button on the remote commander and "K 0" is displayed on the fluorescent indicator tube.
   "K 0" value increases whenever a button on the set is pressed. However, once a button has been pressed, it is no longed taken into account.
   All buttons on the set are pressed, "OK" and "K 7" are alternately displayed on the fluorescent indicator tube.
6. To release from this mode, press the [I/⏻] button.

AMP TEST

Procedure:

1. Press the [I/⏻] button to turn the power on.
2. Press button in order of the [RETURN] → [0] → [1] → [1] → [SUBTITLE] on the remote commander (Make the interval when each button is pressed within two seconds).
3. The message "MEASURE" appears on the fluorescent indicator tube and enter the AMP test mode.
4. Press the [BLUE] button on the remote commander, the state of D.C.A.C. microphone is displayed on the fluorescent indicator tube.

   *** @@ $$$

***	: Either of "IN"/"NON" is displayed by the state of detection of the microphone.
@@	: Either of "OK"/"NG" is displayed by the state of digital audio data input.
$$$	: Microphone input audio data A/D value (0 – 255).

5. Press the [MUTING] button on the remote commander, "VOL N" (The change in the volume is usual)/"VOL MSM" (The change in the volume is a switch of MIN/1/20/MAX) can be switched.
6. Press the [SUBTITLE] button on the remote commander, the message "VACS ON" or "VACS OFF" appears on the fluorescent indicator tube and thus the VACS on/off are changed.
7. To release from this mode, press the [I/⏻] button.

BD SERVICE MODE

Note: The operation in this mode must use a remote commander.

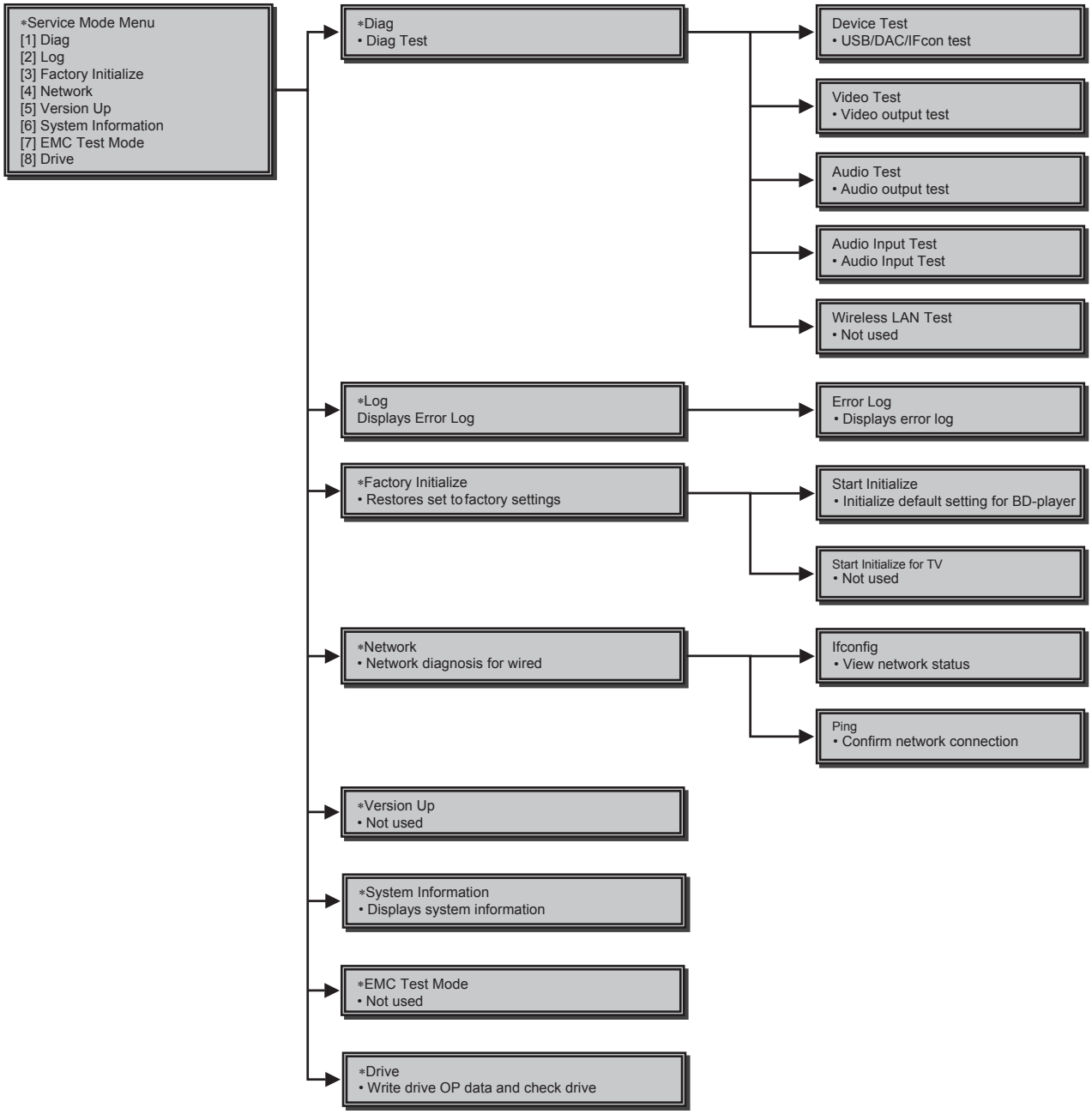
Setting method of the BD service mode:

1. Press the [I/⏻] button to turn the power on.
2. Press button in order of the [RETURN] → [0] → [2] → [1] → [SUBTITLE] on the remote commander. (Make the interval when each button is pressed within two seconds)
3. Enter the BD service mode.

1. Main Functions

- ErrorLog display
  Display the error log. Displayed contents can also be saved in an USB memory device.
- Diag
  Performs unit test of devices installed on the board.
- Factory Initialize
  Restores the set to its factory settings.
- Network
  Checks the wired network connection.
- Version Up (version update)
  Not used.
- System Information
  Displays the system information of the set.
  Displays information such as the software version, drive information, etc.
- EMC Test Mode
  Not used.
- Drive
  Write drive OP data and check drive.

2. Menu Tree


∗Service Mode Menu
[1] Diag
[2] Log
[3] Factory Initialize
[4] Network
[5] Version Up
[6] System Information
[7] EMC Test Mode
[8] Drive
∗Diag
• Diag Test
Device Test
• USB/DAC/IFcon test
Video Test
• Video output test
Audio Test
• Audio output test
Audio Input Test
• Audio Input Test
Wireless LAN Test
• Not used
∗Log
Displays Error Log
Error Log
• Displays error log
∗Factory Initialize
• Restores set to factory settings
Start Initialize
• Initialize default setting for BD-player
Start Initialize for TV
• Not used
∗Network
• Network diagnosis for wired
Ifconfig
• View network status
Ping
• Confirm network connection
∗Version Up
• Not used
∗System Information
• Displays system information
∗EMC Test Mode
• Not used
∗Drive
• Write drive OP data and check drive

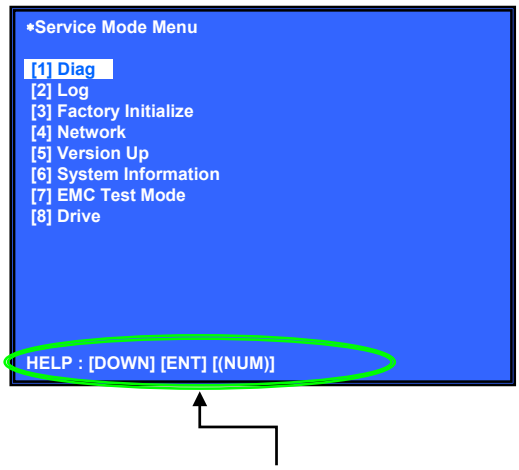
3. Service Mode Menu (Top Menu)

This is the top menu of service mode.
Each function is accessed from this screen.

Operation:

[1] Moves to Diag screen
[2] Moves to Log screen
[3] Moves to Factory Initialize screen
[4] Moves to Network screen
[5] Moves to Version Up (DISC version update) screen (Not used)
[6] Moves to System Information screen
[7] Moves to EMC test mode screen (Not used)
[8] Moves to Drive screen
[↑]/[↓] Moves the cursor
[⊕] Moves to the screen of the item selected with the cursor

* Cursor is not displayed when the menu is first displayed.



HELP (currently available keys, etc.) is displayed

4. Diag (Device Test)

This screen is used to test devices mounted on the board.

Screen 1: Selects the test category
Operation:

[←]/[→] Selects the category
[↓]/[⊕] Moves to the selected category

Screen 2: Device test

Selects the device to test after selecting Device Test in screen 1.
Operation:

[←]/[→] Selects the device to test
[⊕] Executes the test
[↑] Returns to selection of test category
Selects the cursor during IFCon and D terminal tests
[↓] Selects the cursor during IFCon and D terminal tests

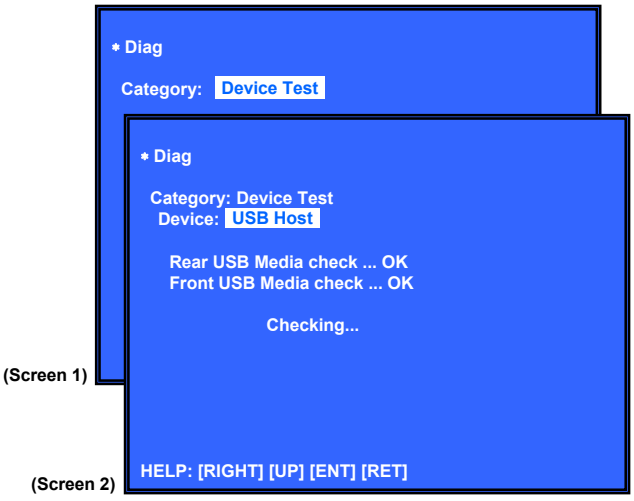
- List of test categories

Device Test
Video Test
Audio Test
Audio Input Test
Wireless LAN Test (not used)

- Device Test: List of devices

USB Host (*1)

*1) USB media check (front and rear). Only one time.
* For details concerning device test, see the Diag reference.



5. Diag (Video/Audio Test)

This screen performs video and audio tests.

Screen 1: When video test category is selected
Operation:

[⊕] Shows/hides the color bar
[↑]/[RETURN] Returns to the selection of test category

Screen 2: When audio test category is selected
Operation:

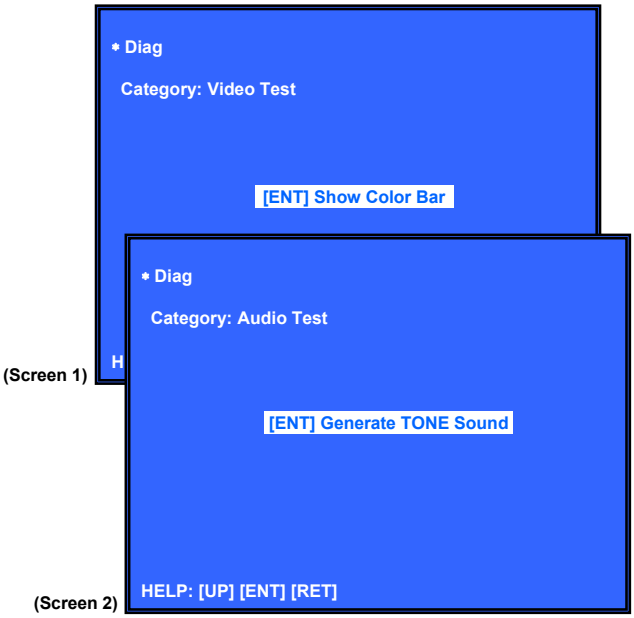
[⊕] Plays back/stops the tone sound
[↑]/[RETURN] Returns to the selection of test category

- Video test:

Outputs a color bar (composite & component & HDMI).

- Audio test:

TONE sound output (speaker (8 ch) & HDMI (2 ch)).



6. Diag (Audio Input Test)

This screen performs audio input test.

Screen 1: Selects the test category
Operation:

[←]/[→] Selects the category
[↓]/[⊕] Moves to the selected category

Screen 2: Select Audio Input Test
Operation:

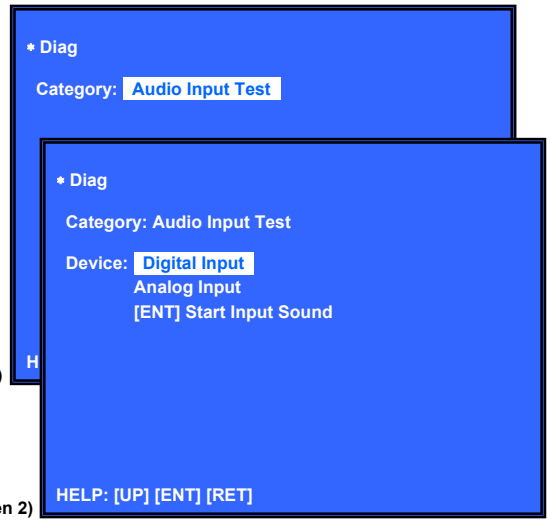
[↑]/[↓] Select test
[⊕] Start/stop input sound
[RETURN] Returns to the selection of test category

- Digital Input

Input : SPDIF (optical, 48 kHz, 2 ch only).
Sound output : Speaker (2 ch).

- Analog Input

Input : Line In (2 ch).
Sound output : Speaker (2 ch).



(Screen 1)
(Screen 2)

7. Diag (Wireless LAN Test)

This screen performs wireless LAN test.
Note: Not used for the servicing.

8. Log: Error Log (Output of each Log)

This screen displays the contents of each log.
Note: Do not refer to the displayed date.

Screen 1: Selects log
Operation:

[1]/[⊕] Moves to the Error Log output screen
[RETURN] Returns to the top menu of the service mode

Screen 2: Displays the Error Log
Operation:

[←] Returns to the previous page
[→] Moves to the next page
[RETURN] Returns to the screen (screen 1) that selects the log type
[RED] Writes the log contents to an USB memory device

- Viewing the log display

Error Log:
001 08/01/01 00: 53: 19: [ErrCode: 080400000000]
[Number (starting from old log)] [date] [time] [error code]

About copying log to USB memory device:
Press the [RED] button in each log display screen with the USB memory device inserted into the set
Note: Please do not press the [RED] button immediately after USB memory is inserted.
Please do not pull out USB memory immediately after the [RED] button was pressed.

Error Log:
When "getErrLogFile.trm file" exists in the USB memory device, errlog.log file is output.

(Screen 1)
(Screen 2)

9. Factory Initialize (Factory Settings)

Return all of the player setting to their factory defaults.

Operation:

Screen 1

Press the [1] button in this screen when restoring the set to its factory settings.
All saved titles will also be deleted.

[1] Start Factory Initialize
[2] Start Factory Initialize for TV (Not used)
[↑]/[↓] Moves the cursor
[⊕] Activate the selected cursor
[RETURN] Returns to the top menu of the service mode

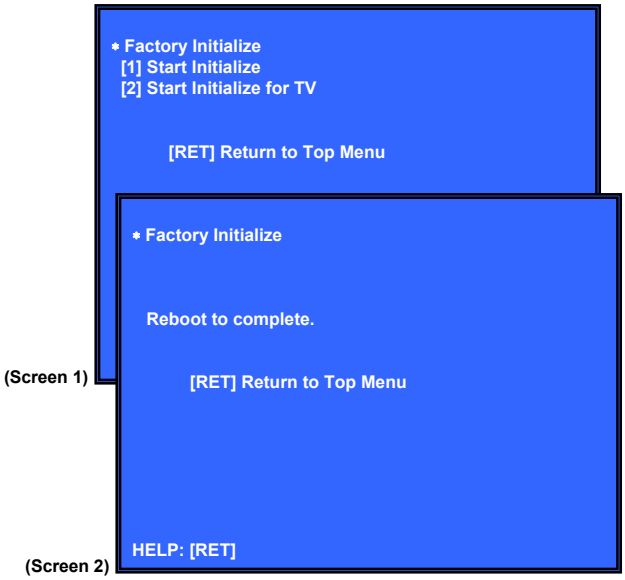
Screen 2

It is a screen of the end of initialization.
[RETURN] Returns to the top menu of the service mode

To complete factory initialize, process COLD RESET subsequently.
Please disconnect AC power cord, and connect AC again. Then press the [I/⏻] button to turn the power on, and press the [■] and [VOLUME –] buttons simultaneously and hold down (around 5 seconds) to execute COLD RESET.

Remove the AC power cord and insert the AC power cord again.

* Operations in other service menus can also be performed.



10. Network (Network Test Diagnosis Screen: Ifconfig)

Network menu for the wired ethernet.

Screen 1: Ifconfig Test

Operation:

[⊕] Activate Ifconfig (Display network setting)
[➡] Select ping test
[RETURN] Returns to the top menu of the service mode

Screen 2: Ping Test

Operation:

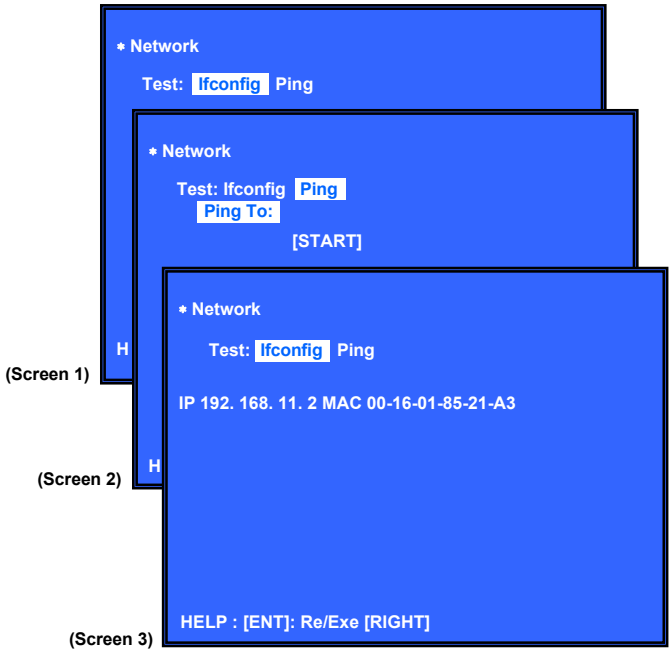
[⬅] Select Ifconfig test
[RETURN] Returns to the top menu of the service mode
(The details of a Ping test are “11. Network (Network Test Diagnosis Screen: Ping)”)

Screen 3: Ifconfig Test Active

Display Ifconfig command results.

Operation:

[⊕] Ifconfig retry
[➡] Select ping test
[RETURN] Returns to the top menu of the service mode



11. Network (Network Test Diagnosis Screen: Ping)

Ping test for the wired ethernet.

Screen 1: Ping Test

Operation:

[←] Select Ifconfig test
[↓] Ping execution preparation
[RETURN] Returns to the top menu of the service mode

Screen 2: The IP address of the Ping point is set up (IP address input mode)

When "Ping to :>" is reversed, the [⊕] button is pressed and IP is inputted.

Operation:

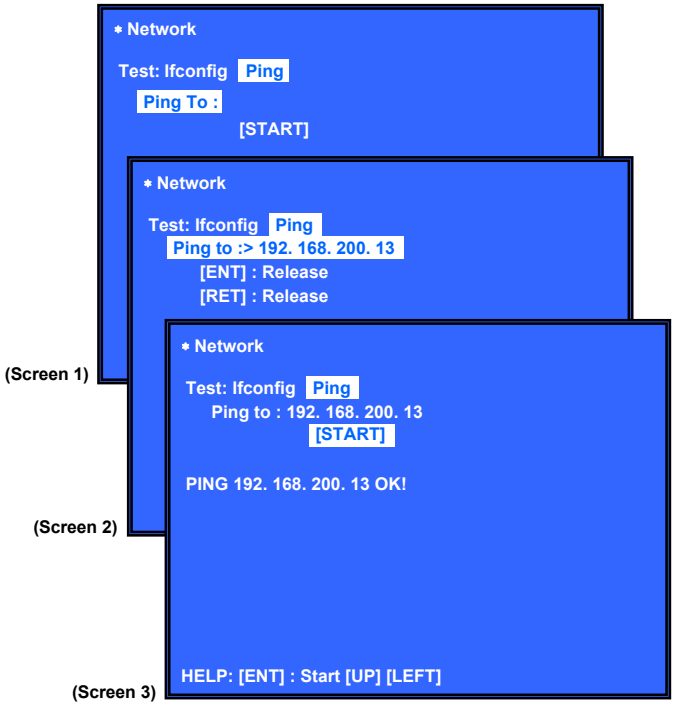
[⊕] Finish to input
[RETURN] Finish to input
[←] Finish to input and Select Ifconfig Test
[0] to [9] Input Character sting '0-9'
[TIME] Input Character sting '.'
[CLEAR] Backspace

Screen 3: Ping Test Active

When [START] is reversed, the [⊕] button is pressed and execute ping .

Operation:

[⊕] Activate ping test
[↑] The IP address of the ping point is set up
[RETURN] Returns to the top menu of the service mode



12. System Information (System Information Display)

This screen displays system information.

Screen 1: Basic Information

Operation:

[→] Drive information (delta IOP of a drive is measured) displayed (go to screen 2)
[RETURN] Returns to the top menu of the service mode

Screen 2: Drive Information Menu

Operation:

[←] Basic Information displayed (go to screen 1)
[RETURN] Returns to the top menu of the service mode

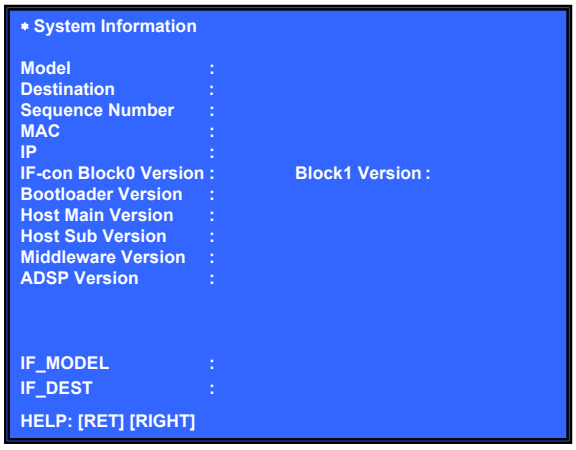
When delta IOP is measured, it becomes impossible to use the Version Up function.

Contents List:

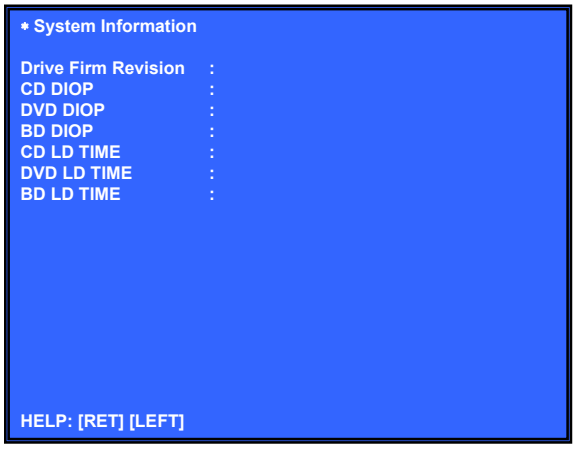
Model	
Destination	
Sequence Number	
MAC	
IP	
IFCON	IFCON Version
Bootloader	Bootloader Version
Host Main	Host Main Version
Host Sub	Host Sub Version
Middleware	Middleware Version
ADSP	ADSP Version
IF Model	
IF Dest	

Drive	Firm Revision
CD DIOP	Delta IOP
DVD DIOP	Delta IOP
BD DIOP	Delta IOP
CD LD TIME	LD Time
DVD LD TIME	LD Time
BD LD TIME	LD Time

(Screen 1)



(Screen 2)

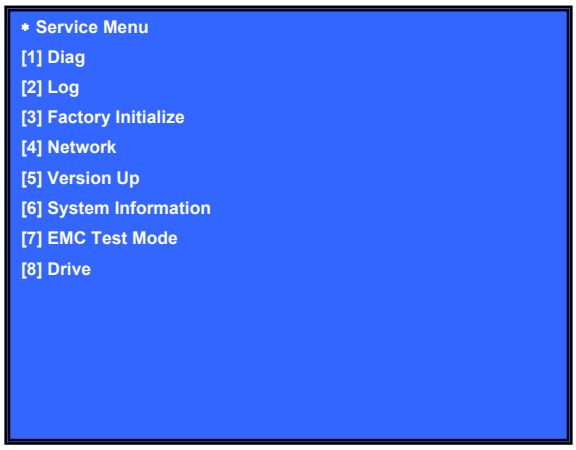


13. Drive

This menu is used to operate the drive using drive-related diagnostic and tools.

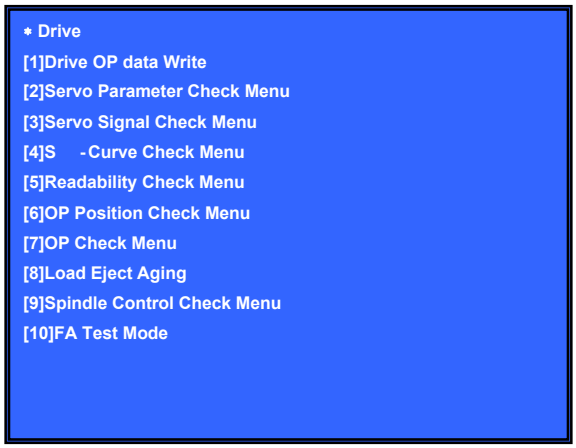
Screen 1: Selecting items under *Service Menu

(Screen 1)



Screen 2: Selecting items under *Drive

(Screen 2)



Operation:

[⬆]/[⬇] Move the cursor up and down
[⊕] Open the selected cursor item
[RETURN] Returns to the top menu of the service mode

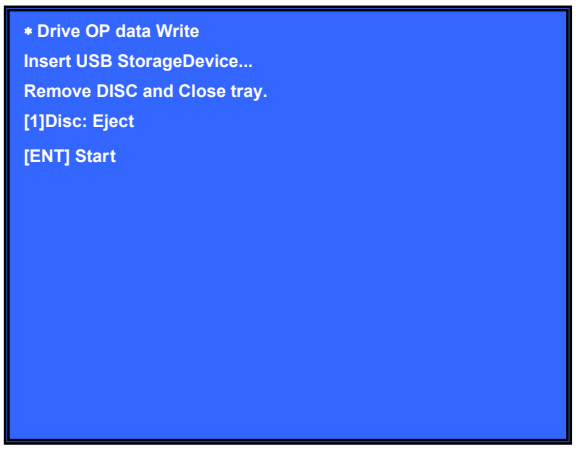
- Test item list

[1] Drive OP data Write
[2] Servo Parameter Check Menu
[3] Servo Signal Check Menu
[4] S-Curve Check Menu
[5] Readability Check Menu
[6] OP Position Check Menu
[7] OP Check Menu
[8] Load Eject Aging
[9] Spindle Control Check Menu
[10] FA Test Mode

Screen 3: *Drive OP data Write

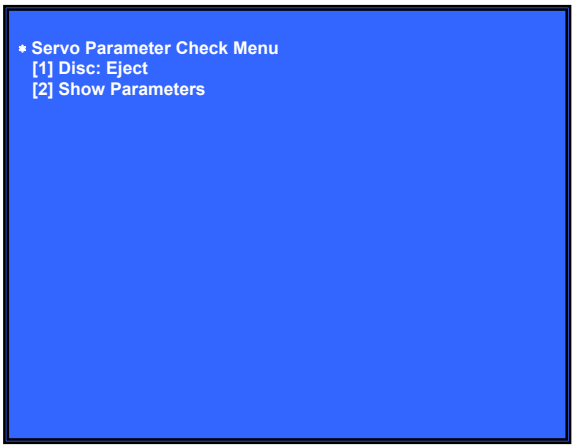
Purpose: Write OP data into flash IC
[⬆]/[⬇] Move the cursor up and down
[⊕] Start the selected cursor item
[RETURN] Returns to the top menu of the service mode

(Screen 3)



Screen 4: *Servo Parameter Check Menu (Not Used)

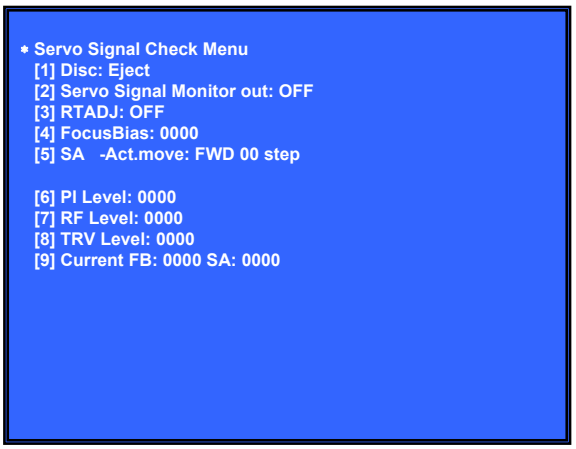
(Screen 4)



Not used for the servicing.
Press the [RETURN] button if having entered this mode.

Screen 5: *Servo Signal Check Menu (Not Used)

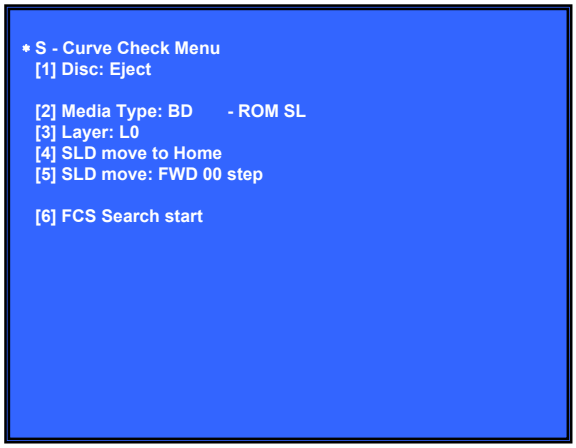
(Screen 5)



Not used for the servicing.
Press the [RETURN] button if having entered this mode.

Screen 6: *S-Curve Check Menu (Not Used)

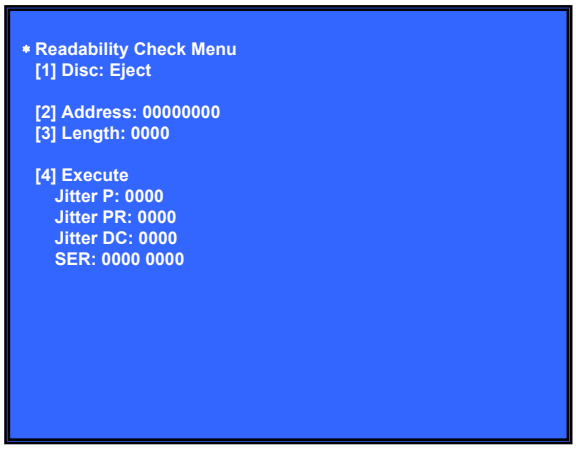
(Screen 6)



Not used for the servicing.
Press the [RETURN] button if having entered this mode

Screen 7: *Readability Check Menu (Not Used)

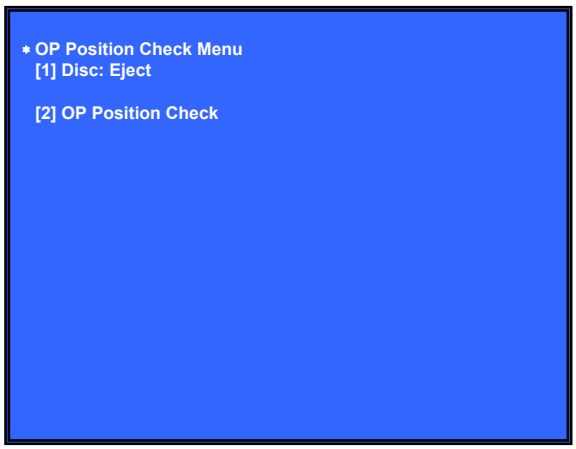
(Screen 7)



Not used for the servicing.
Press the [RETURN] button if having entered this mode.

Screen 8: *OP Position Check Menu (Not Used)

(Screen 8)

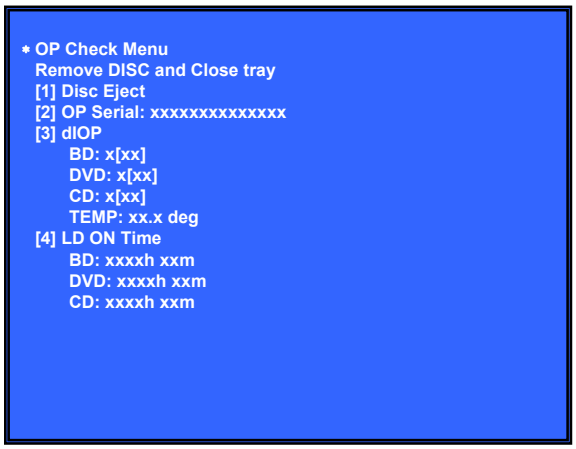


Not used for the servicing.
Press the [RETURN] button if having entered this mode.

Screen 9: *OP Check Menu

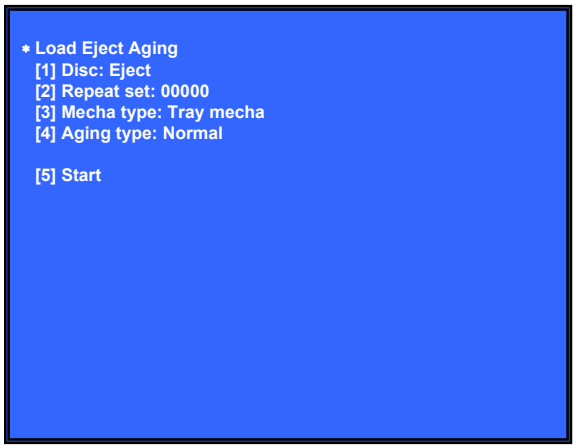
Purpose: Verify OP related such as delta IOP and LD time
[↑]/[↓] Move the cursor up and down
[⊕] Start the selected cursor item
[RETURN] Returns to the top menu of the service mode

(Screen 9)



Screen 10: *Load Eject Aging (Not Used)

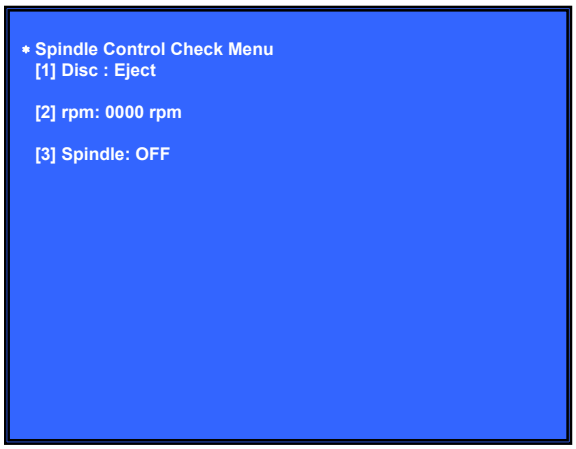
(Screen 10)



Not used for the servicing.
Press the [RETURN] button if having entered this mode.

Screen 11: *Spindle Control Check Menu (Not Used)

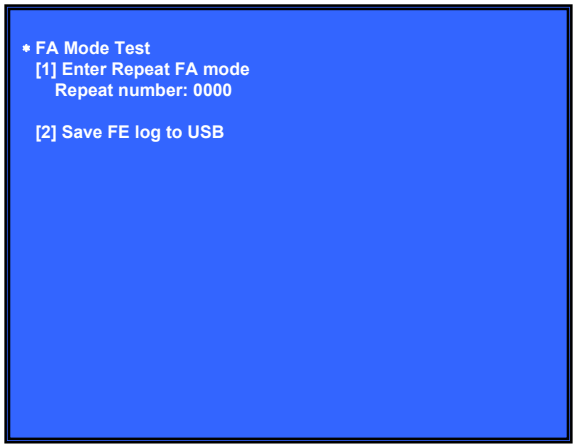
(Screen 11)



Not used for the servicing.
Press the [RETURN] button if having entered this mode.

Screen 12: *FA Mode Test (Not Used)

(Screen 12)



Not used for the servicing.
Press the [RETURN] button if having entered this mode.

CONFIRMATION ITEM

1. Playback Operation Confirmation

1-1. Test Disc

Part No.	Description	Layer
J-6090-199-A	BLX-104	Single Layer
J-6090-200-A	BLX-204	Dual Layer
J-2501-307-A	CD (HLX-A1)	
J-2501-305-A	HLX-513	Single Layer (NTSC)
J-2501-306-A	HLX-514	Dual Layer (NTSC)
J-6090-077-A	HLX-506	Single Layer (PAL)
J-6090-078-A	HLX-507	Dual Layer (PAL)

Note: Refer to the service manual of BDP-BX1/S350 (Part No. 9-883-989-1□) (page 1-3 to 1-14E) for the use of BLX-104/204.

Operation and Display:

1. BLX-104

Procedure:

1. Select 23.976Hz/1080p.
2. Play “4.Motion picture”.
3. Check whether player can play back or not.
4. Check each outputs.
   Video:
   Composite/S Video/component/HDMI.
   Audio:
   Speaker out.

* When 1080/24p monitor is nothing, 1080i (59.94Hz or 50Hz) can use instead of 1080/24p.
However this is temporary correspondence.

* When the output of HDMI is 1080p, the signal of Composite/S Video/Component are not output.
It is necessary to lower the output of HDMI to 1080i or less.

2. BLX-204

Procedure:

1. Select 1080i (59.94Hz or 50Hz).
2. Play “4.Motion picture”.
3. Check whether player can play back or not.
   (Check the picture and sound output)

3. CD (HLX-A1)

Procedure:

Check whether player can play back or not.
(Check the sound output)

4. HLX-513/514 (NTSC), HLX-506/507 (PAL)

Procedure:

1. After displayed Main Menu, select “1.Video Signal”.
2. Play “1.Color bar 100%”.
   (Check the picture and sound output)
3. Return to Menu.
4. Play “Demonstration 4:3” or “Demonstration 16:9”.
   (Check the picture and sound output)

1-2. Playback operation confirmation

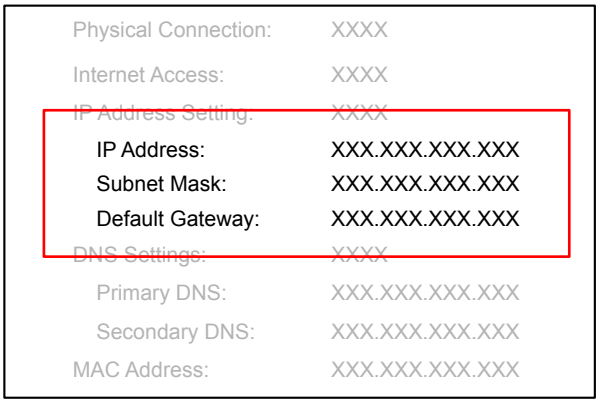
Confirm operation in each signal/output mode of test disc (BLX-104/204) according to the content of the repair.
Note: “AV Sync.” doesn’t operate.

2. Networking Confirmation

Confirm it according to the following procedure when you confirm the connection of the network.
Note: Do not execute “Network Connection Diagnostics” of “Network Settings” of the home menu with only the router connected.

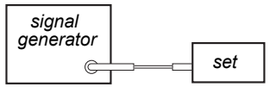
Procedure:

1. Connect the router with the set with LAN cable.
2. Turn on the power of the set and the router.
3. Press the [HOME] button on the remote commander, and the home menu is displayed.
4. Select “Setup” → “Network Settings” → “Internet Settings”, and press the [⊕] button on the remote commander.
5. Select “View Networks Status” and press the [⊕] button on the remote commander.
6. Confirm IP address are displayed in “IP Address”, “Subnet Mask” and “Default Gateway”.



SECTION 4
ELECTRICAL CHECK

FM TUNER LEVEL CHECK



Procedure:

1. Turn on the set.
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)

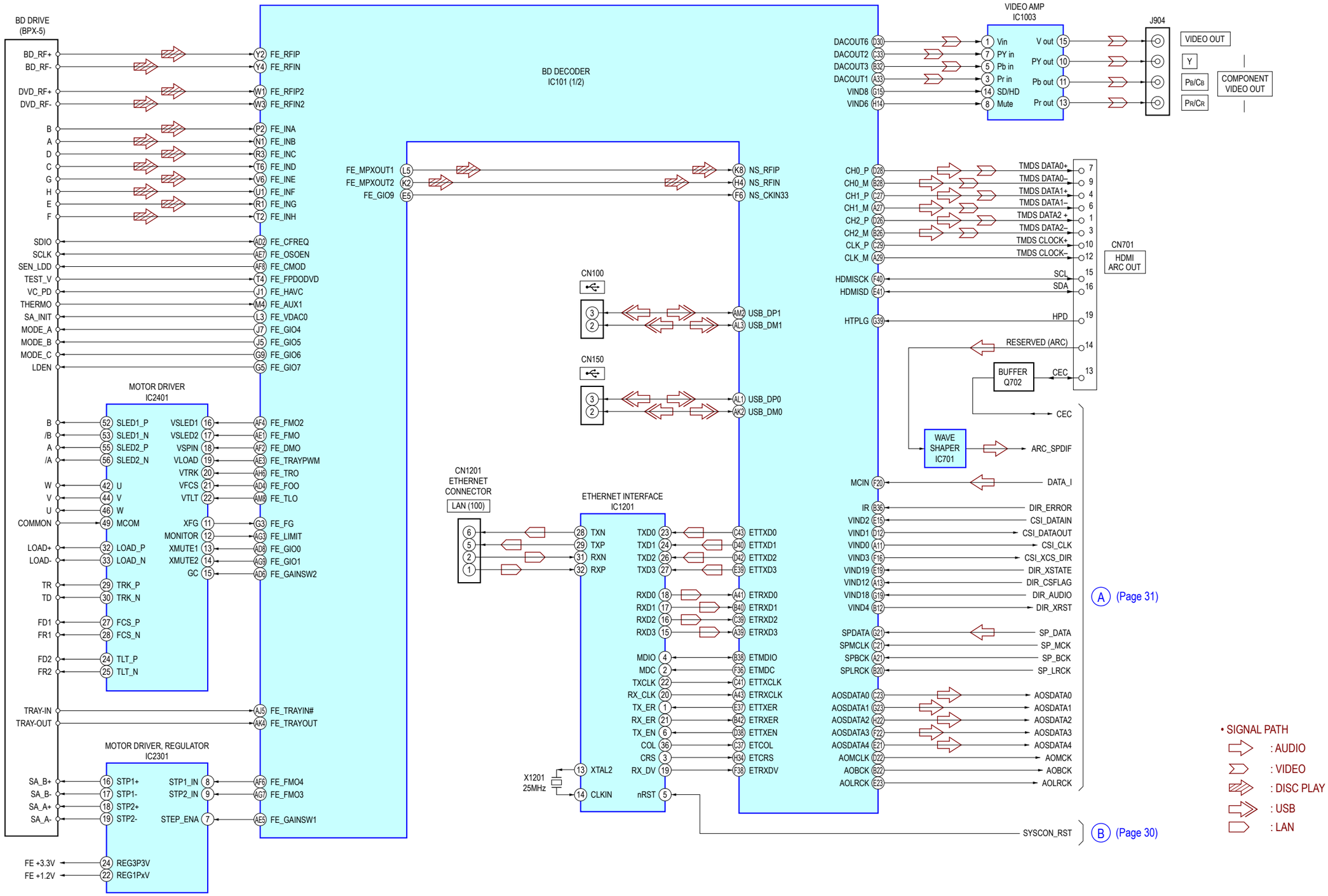
Note: Use 75 ohm coaxial cable to connect signal generator and the set.
You cannot use video cable for checking.
Use signal generator whose output impedance is 75 ohm.

3. Set to FM tuner function and tune A, B and C signals.
4. Confirm “TUNED” is lit on the display for A, B and C signals.

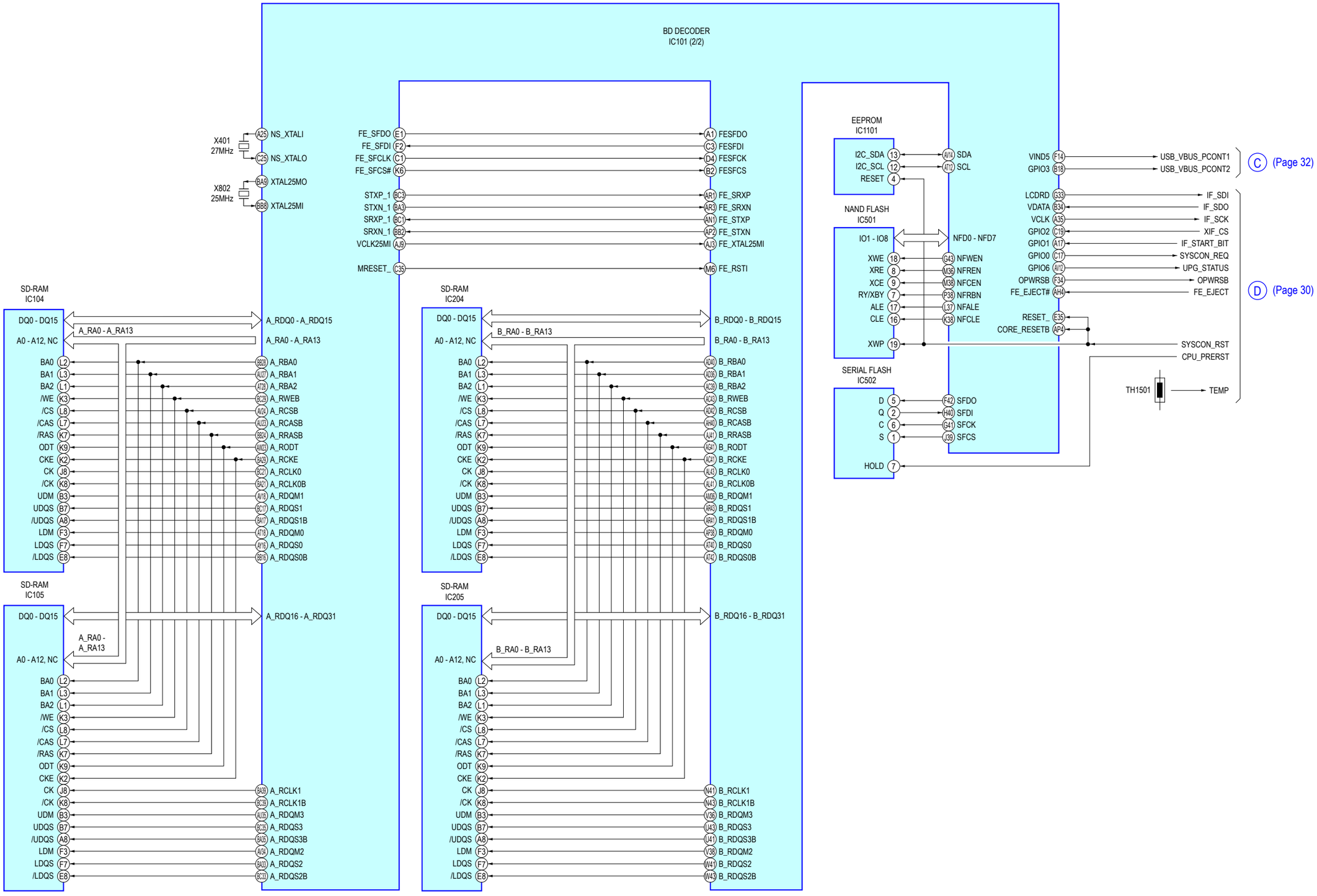
When the selected station signal is received in good condition, “TUNED” is displayed.

SECTION 5
DIAGRAMS

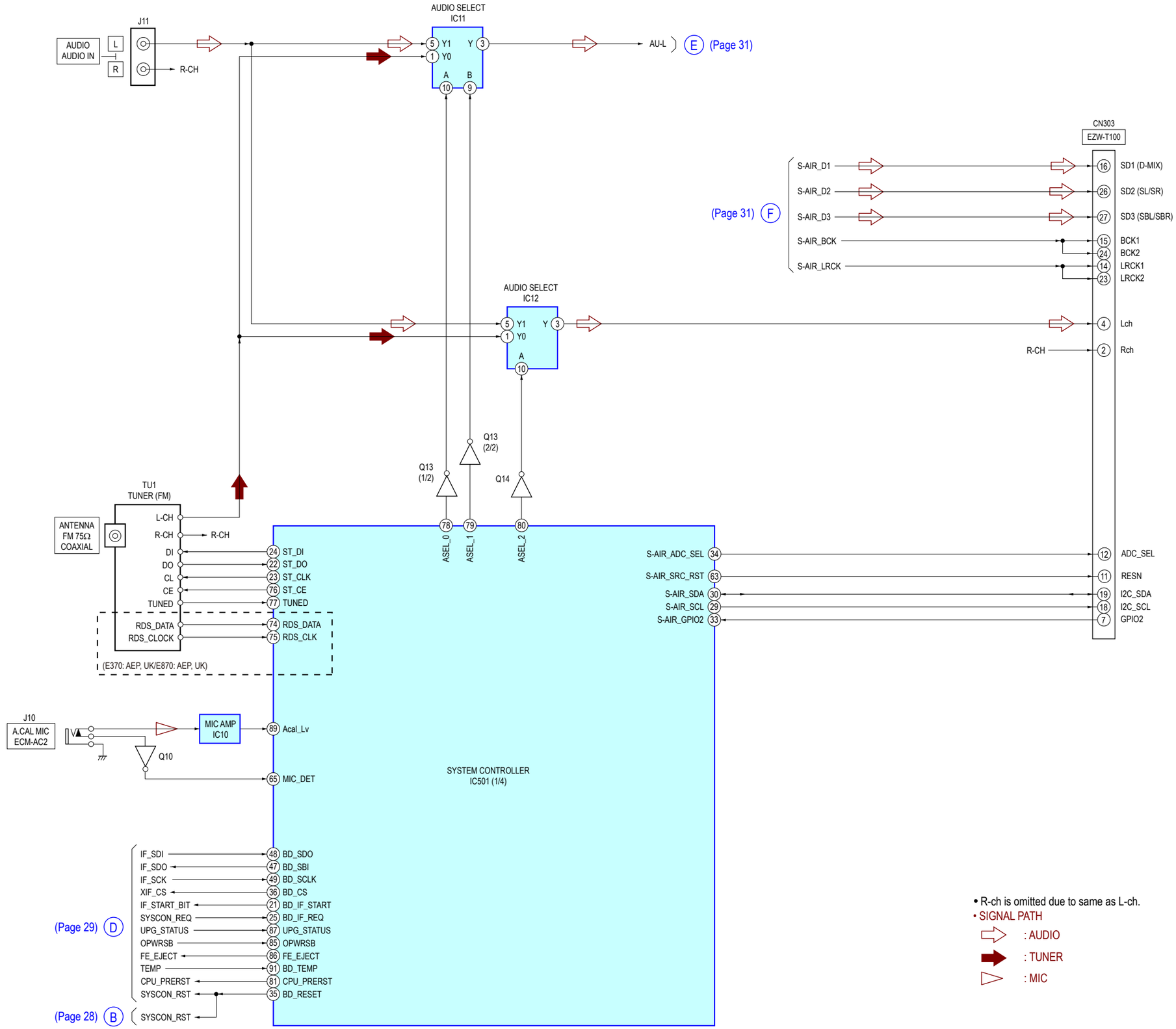
5-1. BLOCK DIAGRAM - SERVO Section -



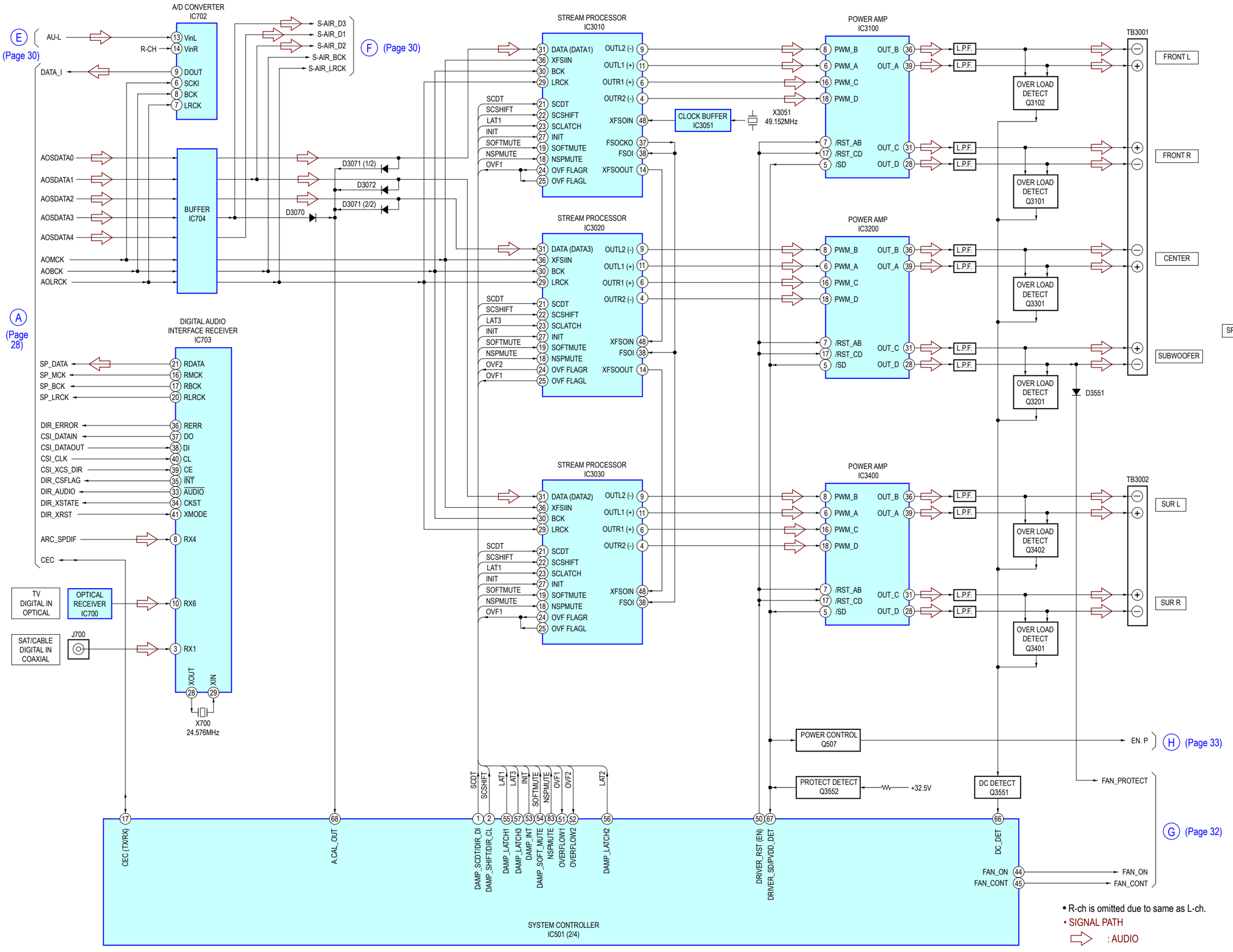
5-2. BLOCK DIAGRAM - MEMORY Section -



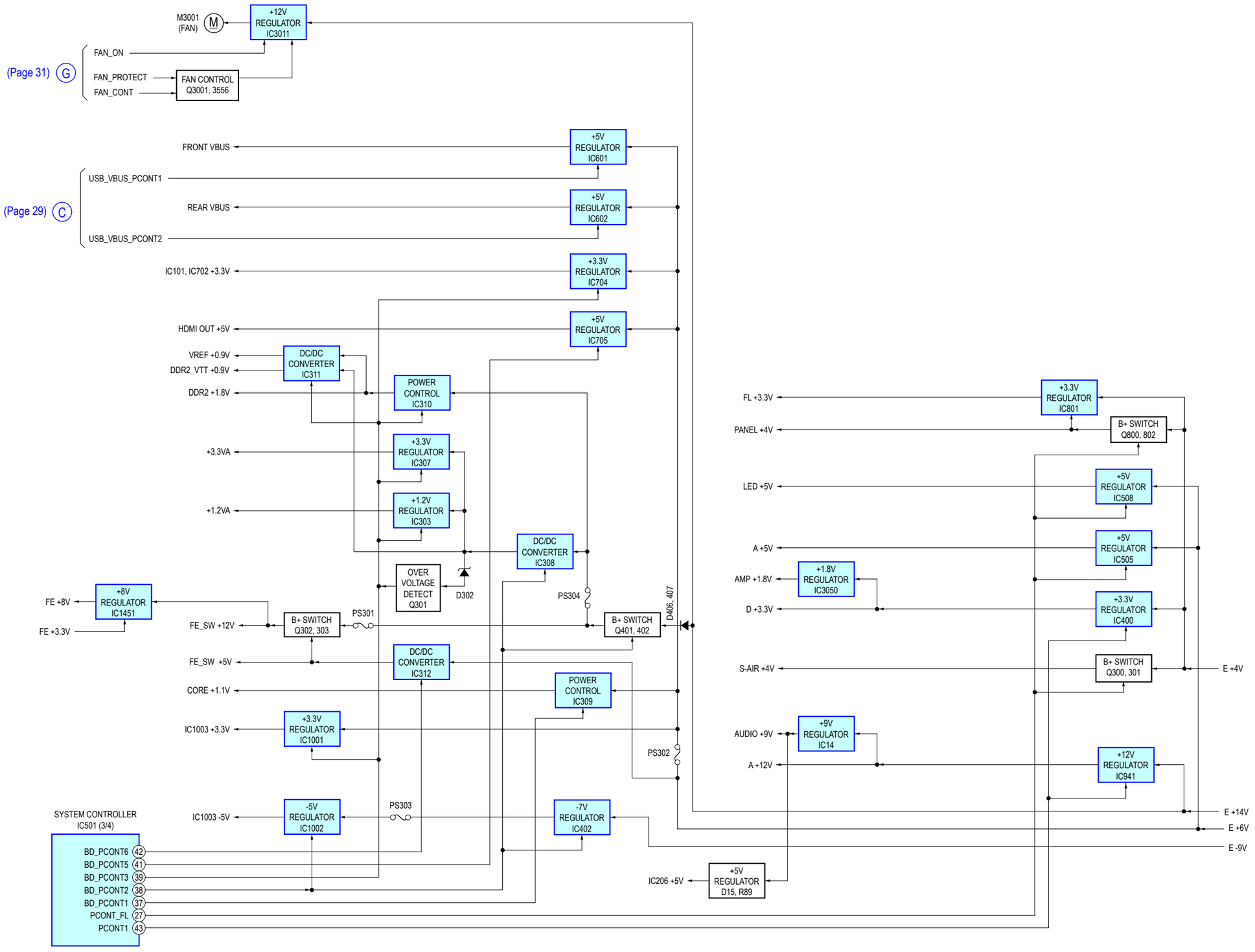
5-3. BLOCK DIAGRAM - TUNER, S-AIR Section -



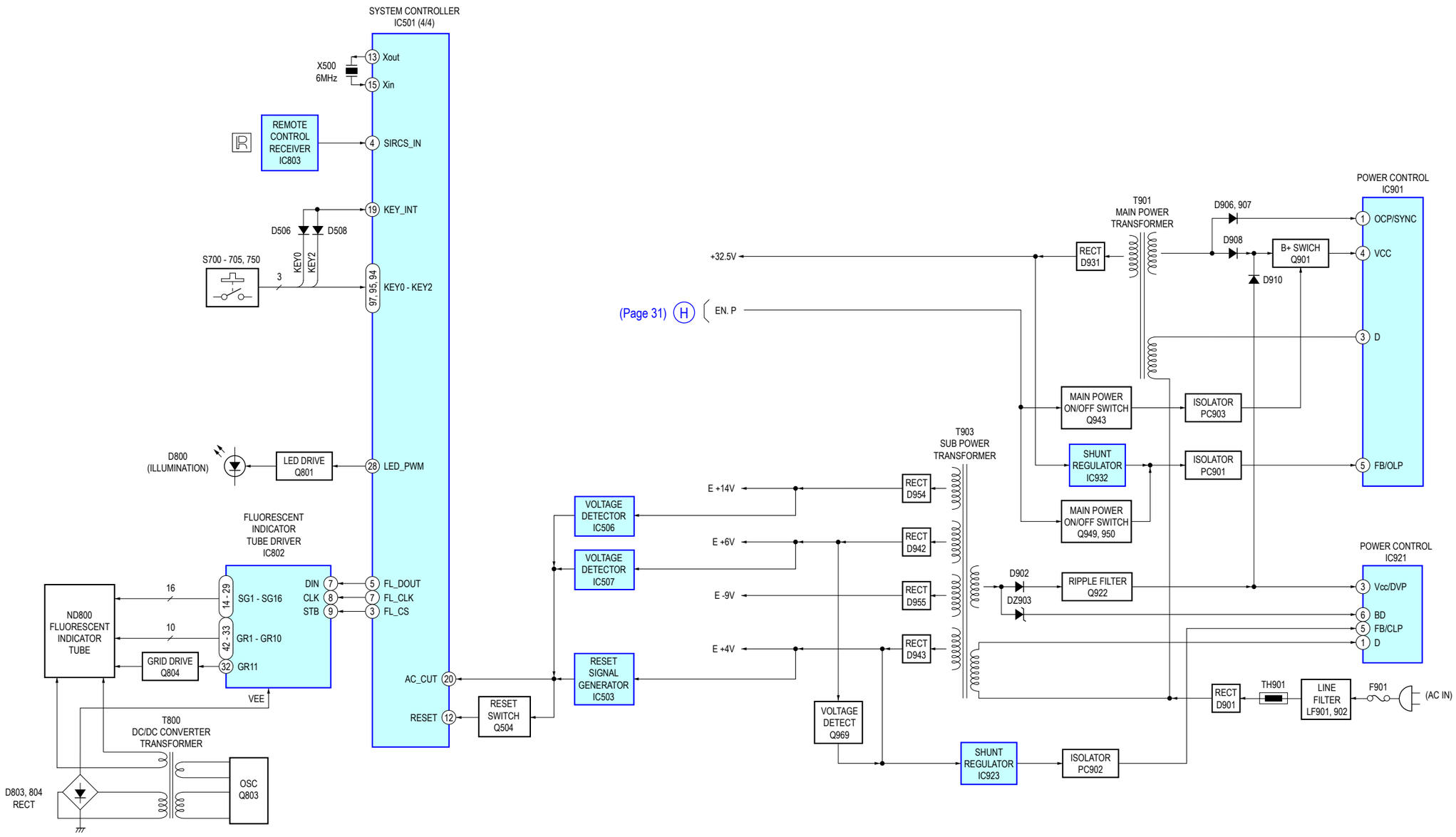
5-4. BLOCK DIAGRAM - AUDIO Section -



5-5. BLOCK DIAGRAM - REGULATOR Section -



5-6. BLOCK DIAGRAM - PANEL, POWER SUPPLY Section -



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

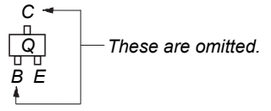
For Printed Wiring Boards.

Note:

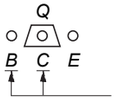
- ○——: Parts extracted from the component side.
- ———: Parts extracted from the conductor side.
- △ : Internal component.
- ▭ : Pattern from the side which enables seeing. (The other layers' patterns are not indicated.)

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

- MAIN and MB-134 boards are multi-layer printed board. However, the patterns of intermediate-layers have not been included in this diagrams.
- Indication of transistor.

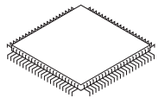


These are omitted.

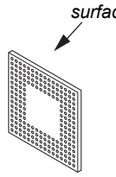


These are omitted.

- Abbreviation
  CND : Canadian model
- Lead layouts



Lead layout of conventional IC



CSP (Chip Size Package)

Note 1: When the MAIN board is replaced, spread the compound referring to "NOTE OF REPLACING THE IC3100, IC3200 AND IC3400 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" on servicing notes (page 8).

Note 2: When the POWER board is replaced, spread the compound referring to "NOTE OF REPLACING THE D913, D931, IC901 AND IC921 ON THE POWER BOARD AND THE COMPLETE POWER BOARD" on servicing notes (page 9).

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.
- : fusible resistor.
- : panel designation.

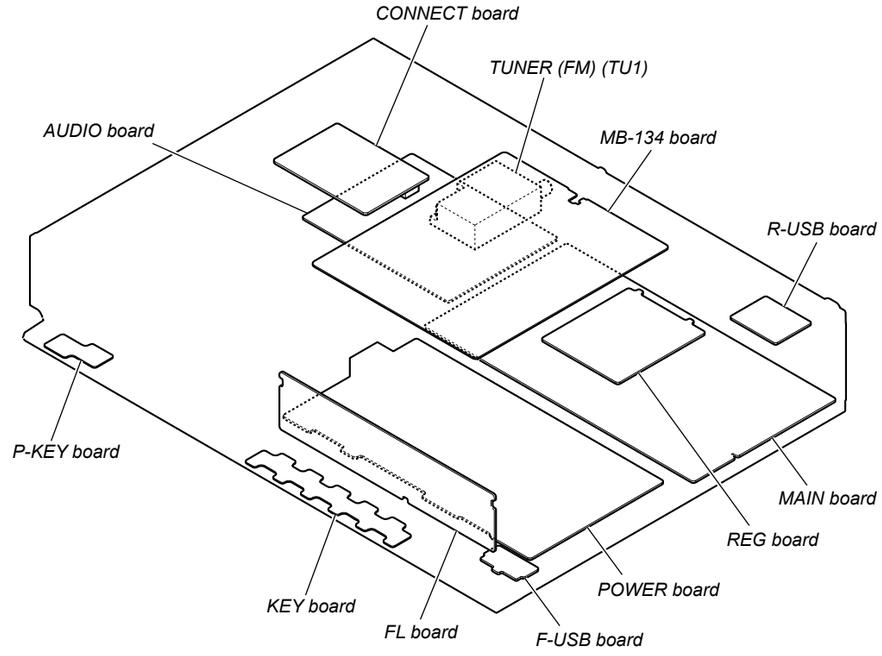
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- ▬▬: B+ Line.
- ▬ ▬ ▬: B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  – MB-134 board –
  no mark: BD PLAY
  * : Impossible to measure
  – Other boards –
  no mark: TUNER
  * : Impossible to measure
- Voltages are taken with VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : AUDIO
  : VIDEO
  : DISC PLAY
  : USB
  : LAN
  : TUNER
  : MIC
- Abbreviation
  CND : Canadian model
- The voltage and waveform of CSP (chip size package) cannot be measured, becaise its lead layout is different from that of conventional IC.

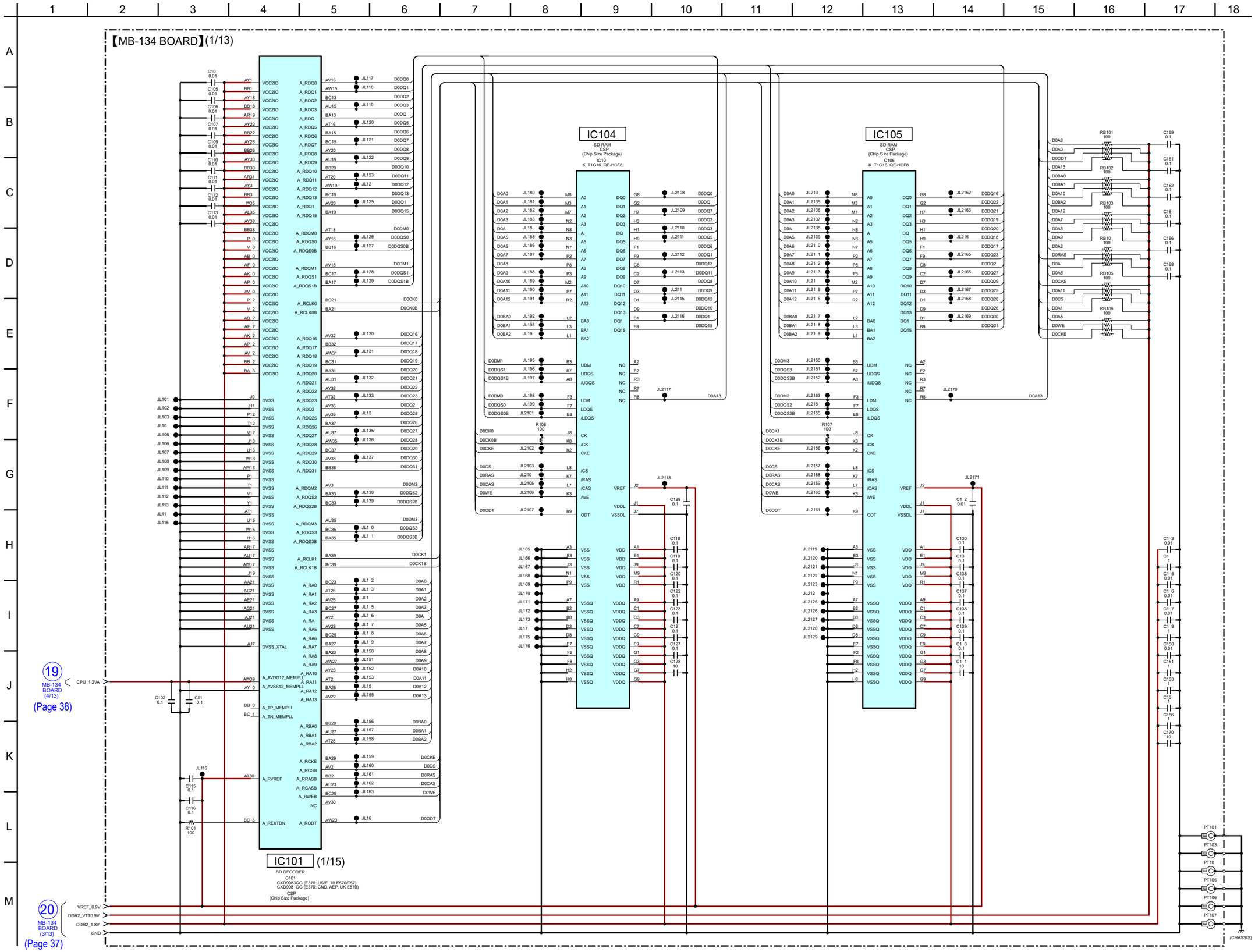
Note 1: When the MAIN board is replaced, spread the compound referring to "NOTE OF REPLACING THE IC3100, IC3200 AND IC3400 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" on servicing notes (page 8).

Note 2: When the POWER board is replaced, spread the compound referring to "NOTE OF REPLACING THE D913, D931, IC901 AND IC921 ON THE POWER BOARD AND THE COMPLETE POWER BOARD" on servicing notes (page 9).

• Circuit Boards Location

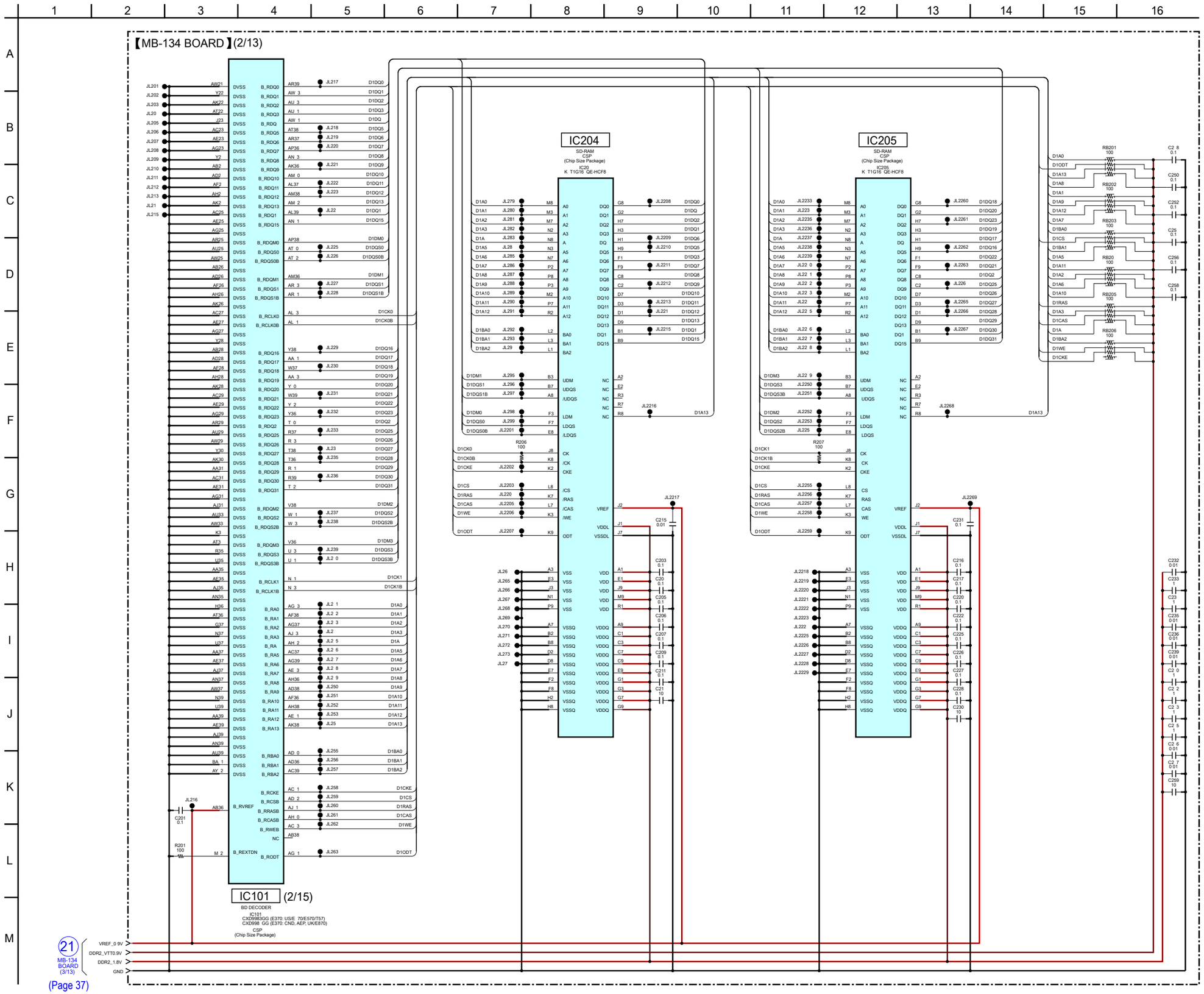


5-7. SCHEMATIC DIAGRAM - MB-134 Board (1/13) - • See page 77 for IC Pin Function Description.



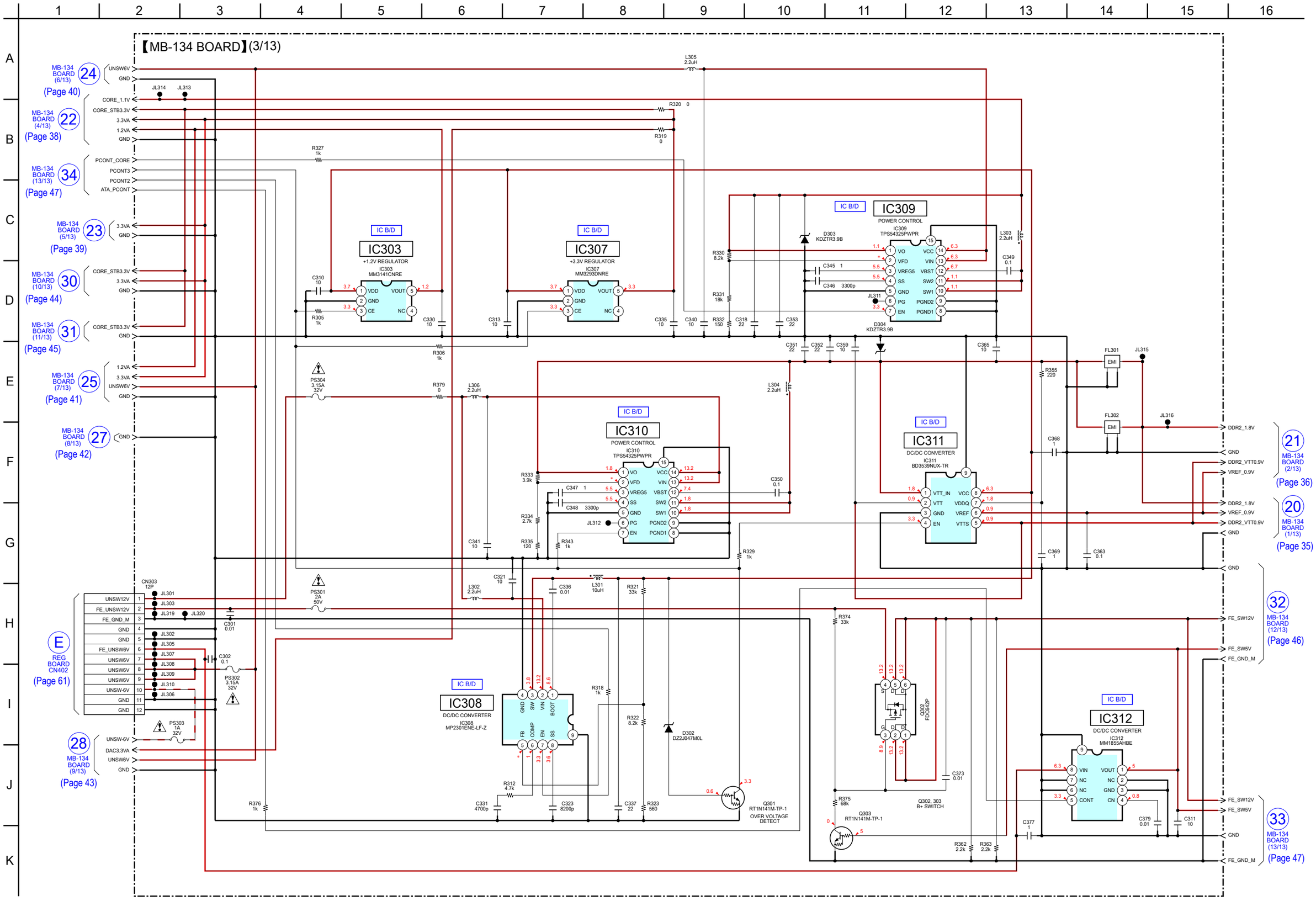
Note: IC101, IC104 and IC105 on the MB-134 board cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

5-8. SCHEMATIC DIAGRAM - MB-134 Board (2/13) - • See page 77 for IC Pin Function Description.



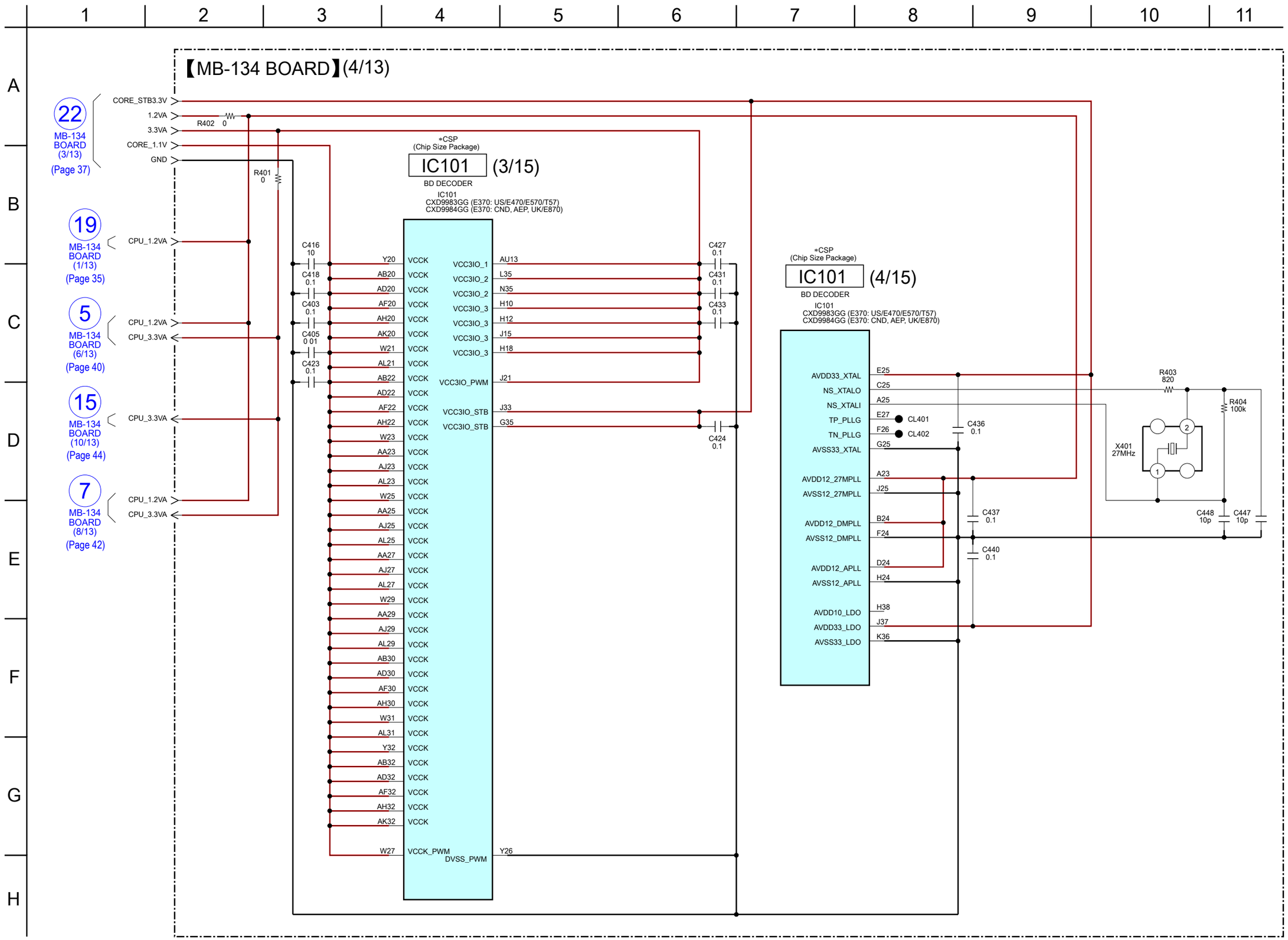
Note: IC101, IC204 and IC205 on the MB-134 board cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

5-9. SCHEMATIC DIAGRAM - MB-134 Board (3/13) - • See page 67 for IC Block Diagrams.



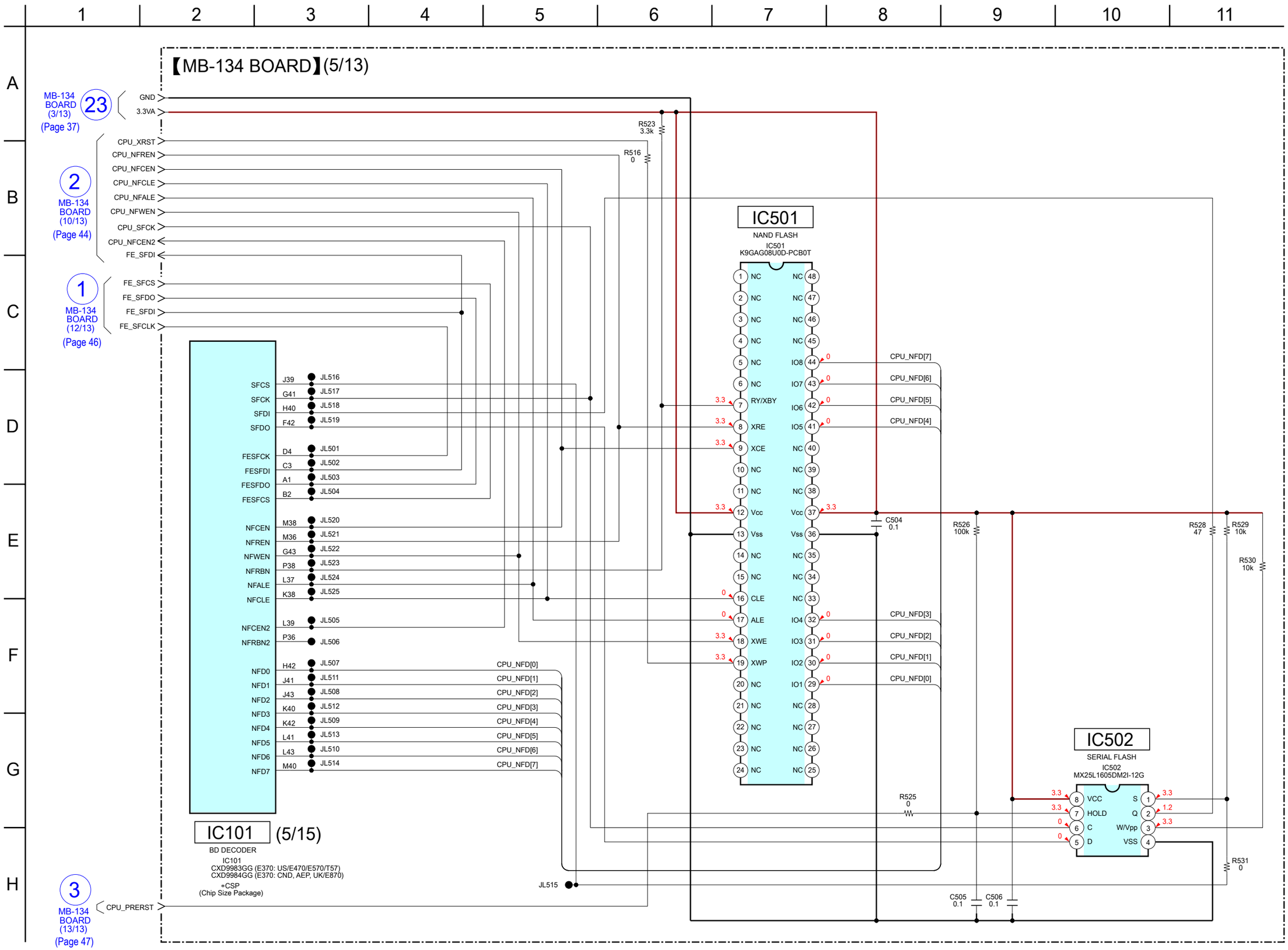
Note: IC307 and IC311 on the MB-134 board cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

5-10. SCHEMATIC DIAGRAM - MB-134 Board (4/13) - • See page 77 for IC Pin Function Description.



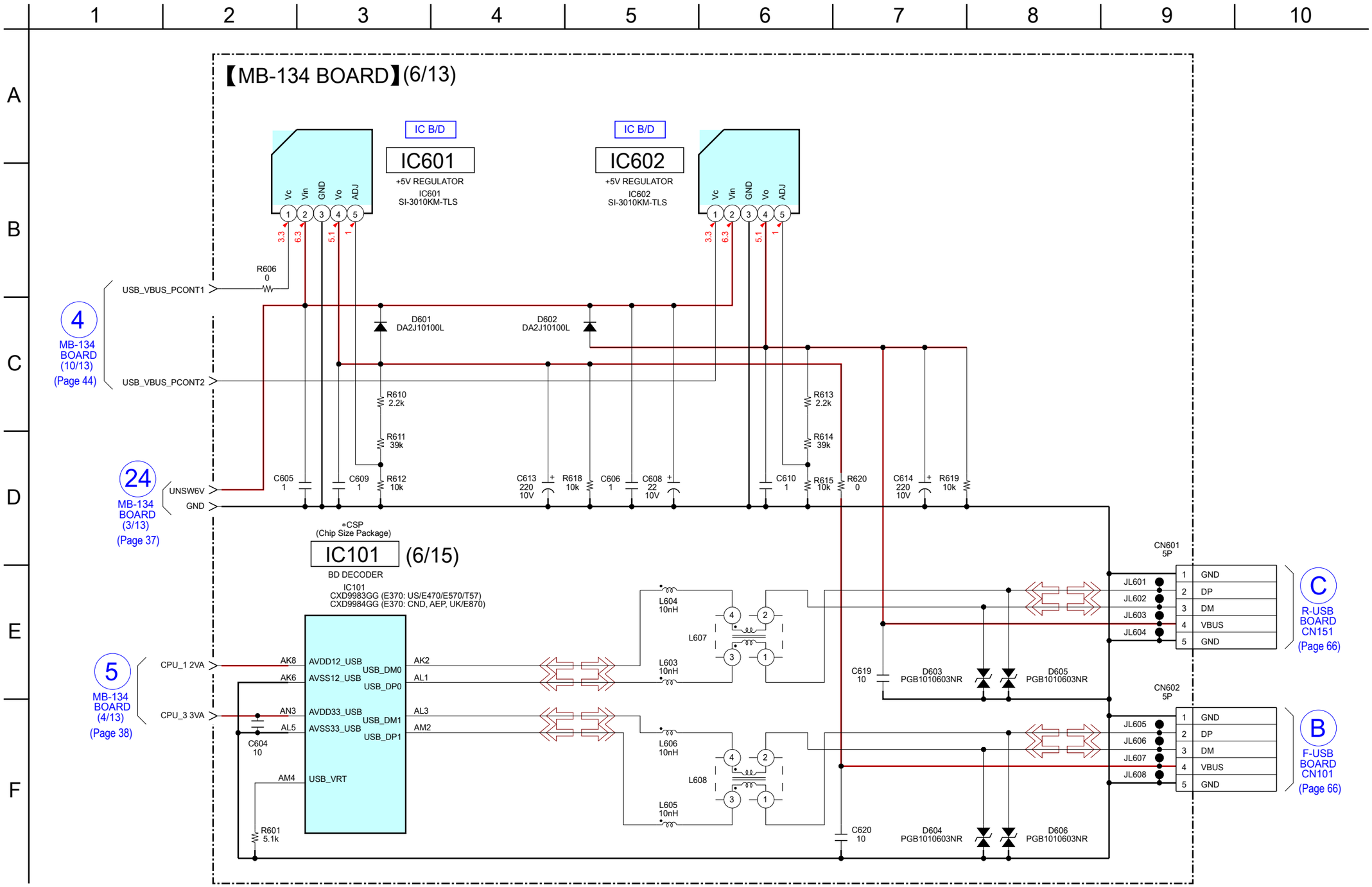
Note: IC101 on the MB-134 board cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-11. SCHEMATIC DIAGRAM - MB-134 Board (5/13) - • See page 77 for IC Pin Function Description.



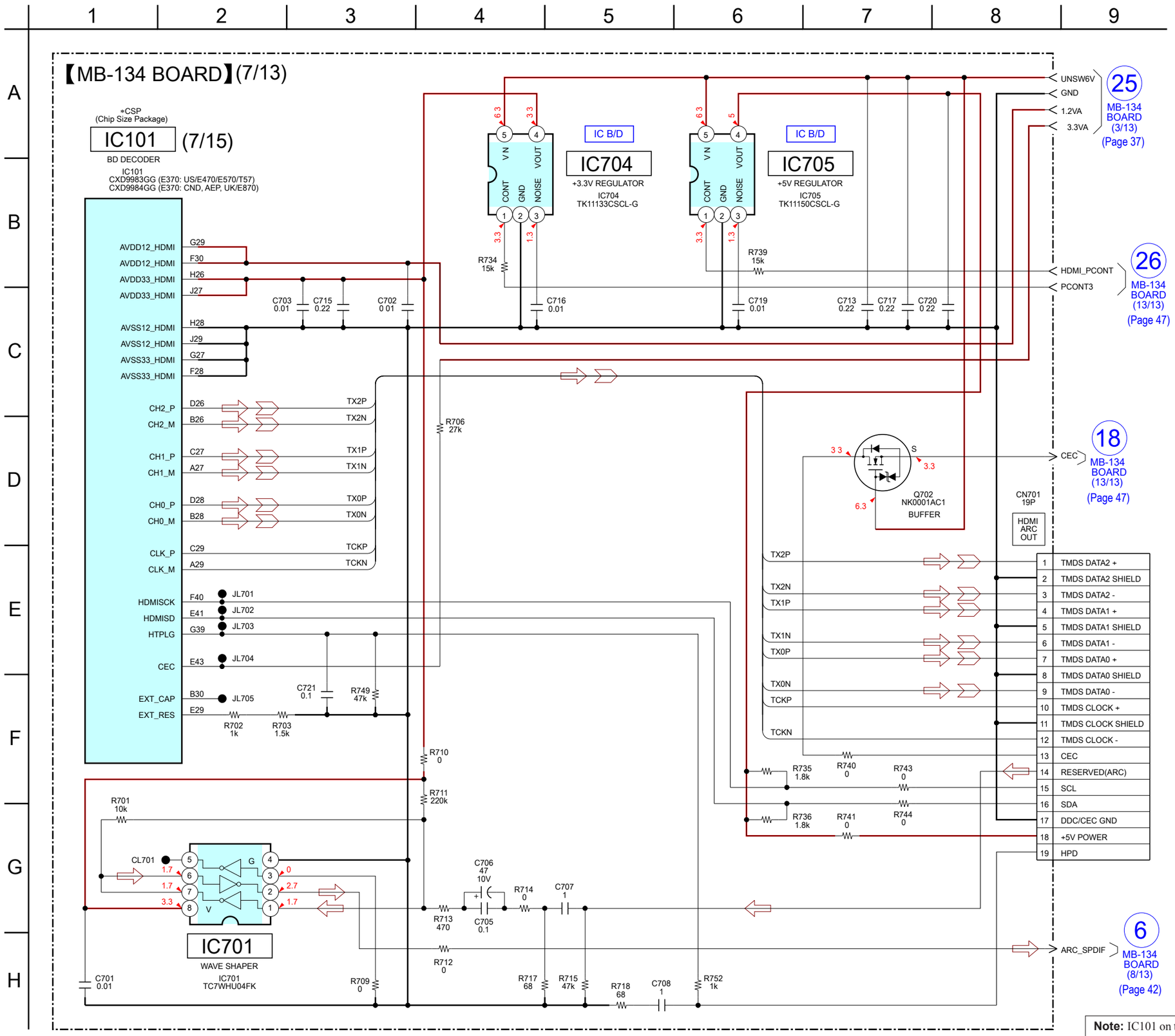
Note: IC101, IC501 and IC502 on the MB-134 board cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

5-12. SCHEMATIC DIAGRAM - MB-134 Board (6/13) - • See page 67 for IC Block Diagrams. • See page 77 for IC Pin Function Description.



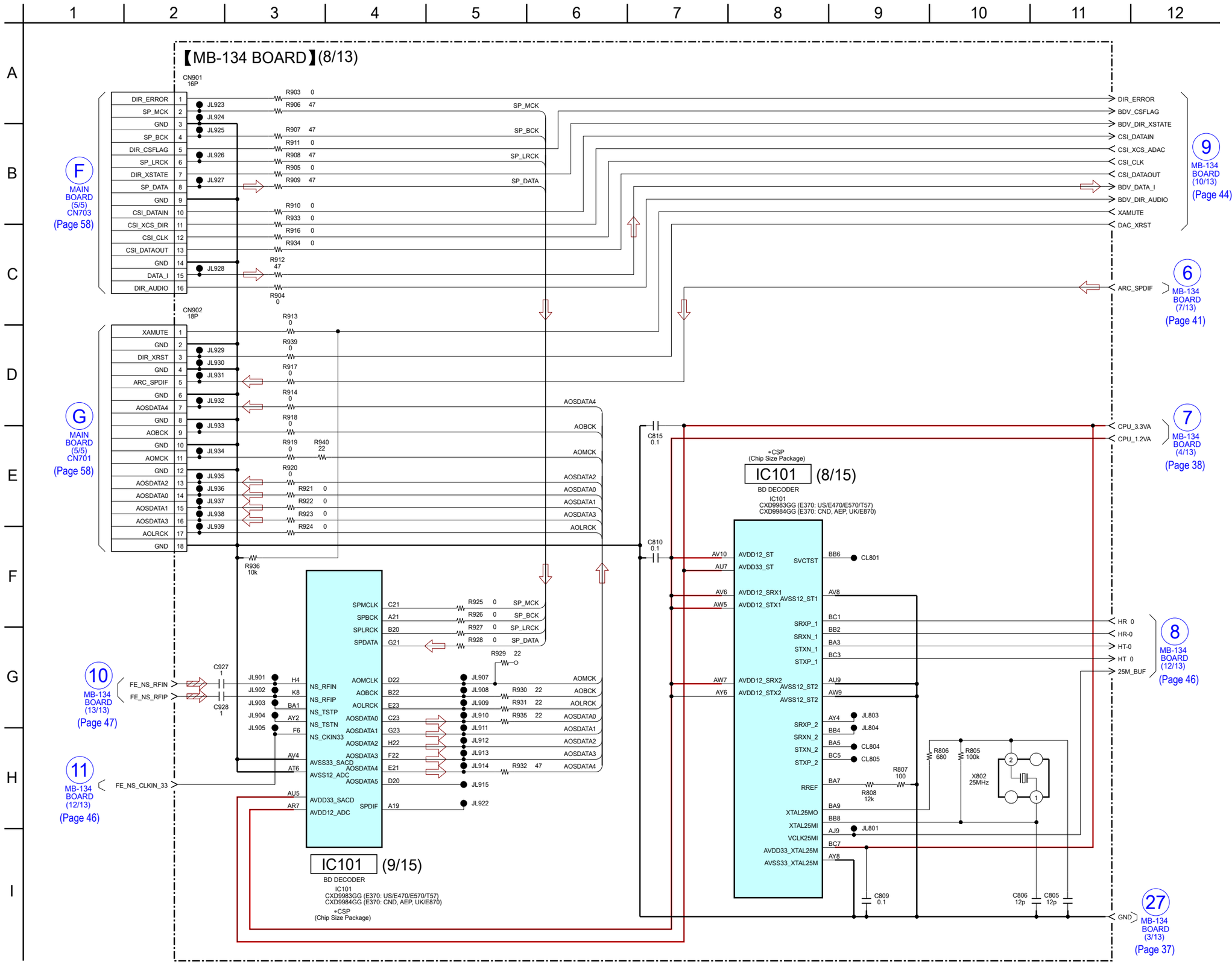
Note: IC101 on the MB-134 board cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-13. SCHEMATIC DIAGRAM - MB-134 Board (7/13) - • See page 67 for IC Block Diagrams. • See page 77 for IC Pin Function Description.



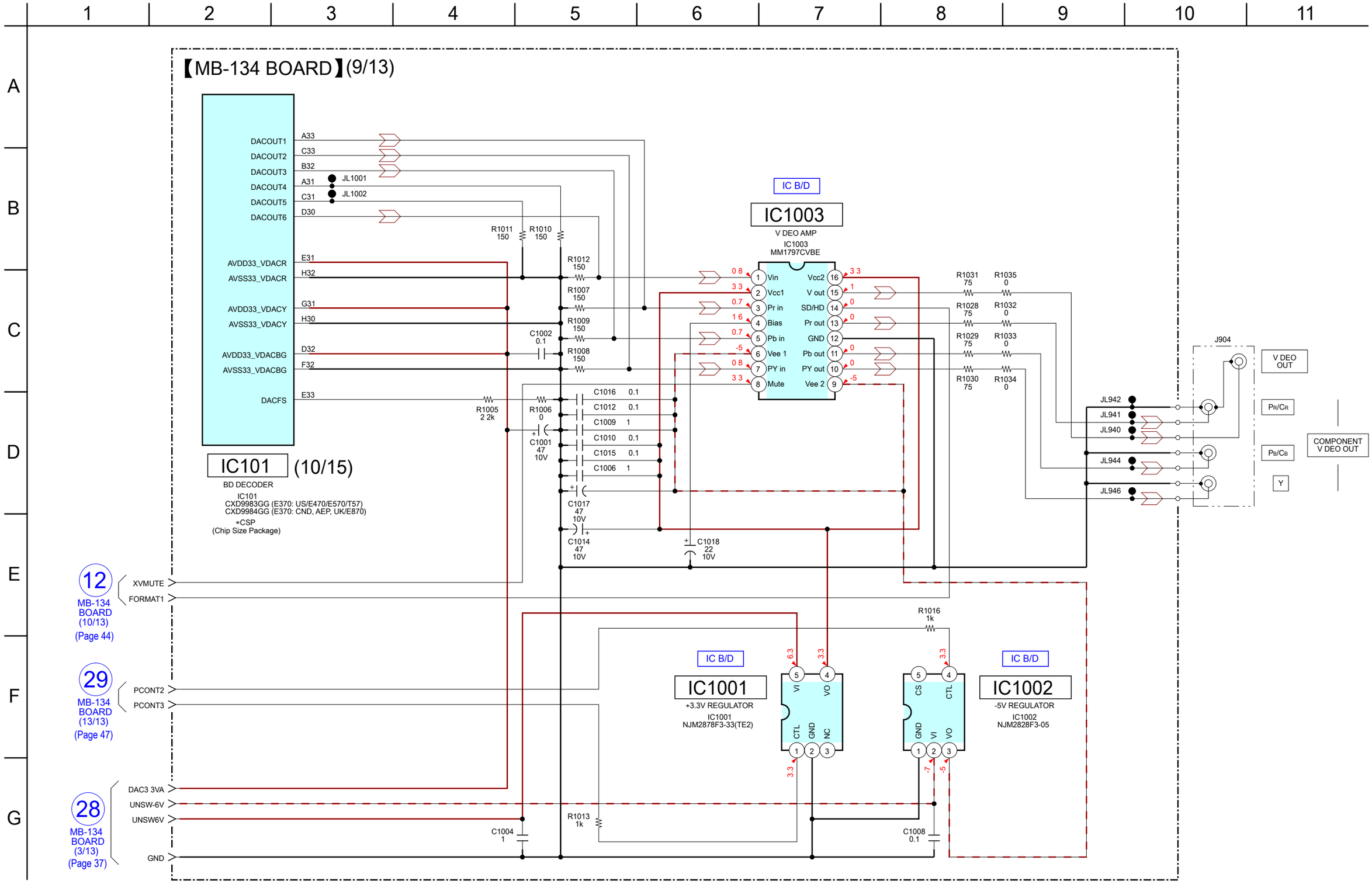
Note: IC101 on the MB-134 board cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-14. SCHEMATIC DIAGRAM - MB-134 Board (8/13) - • See page 77 for IC Pin Function Description.



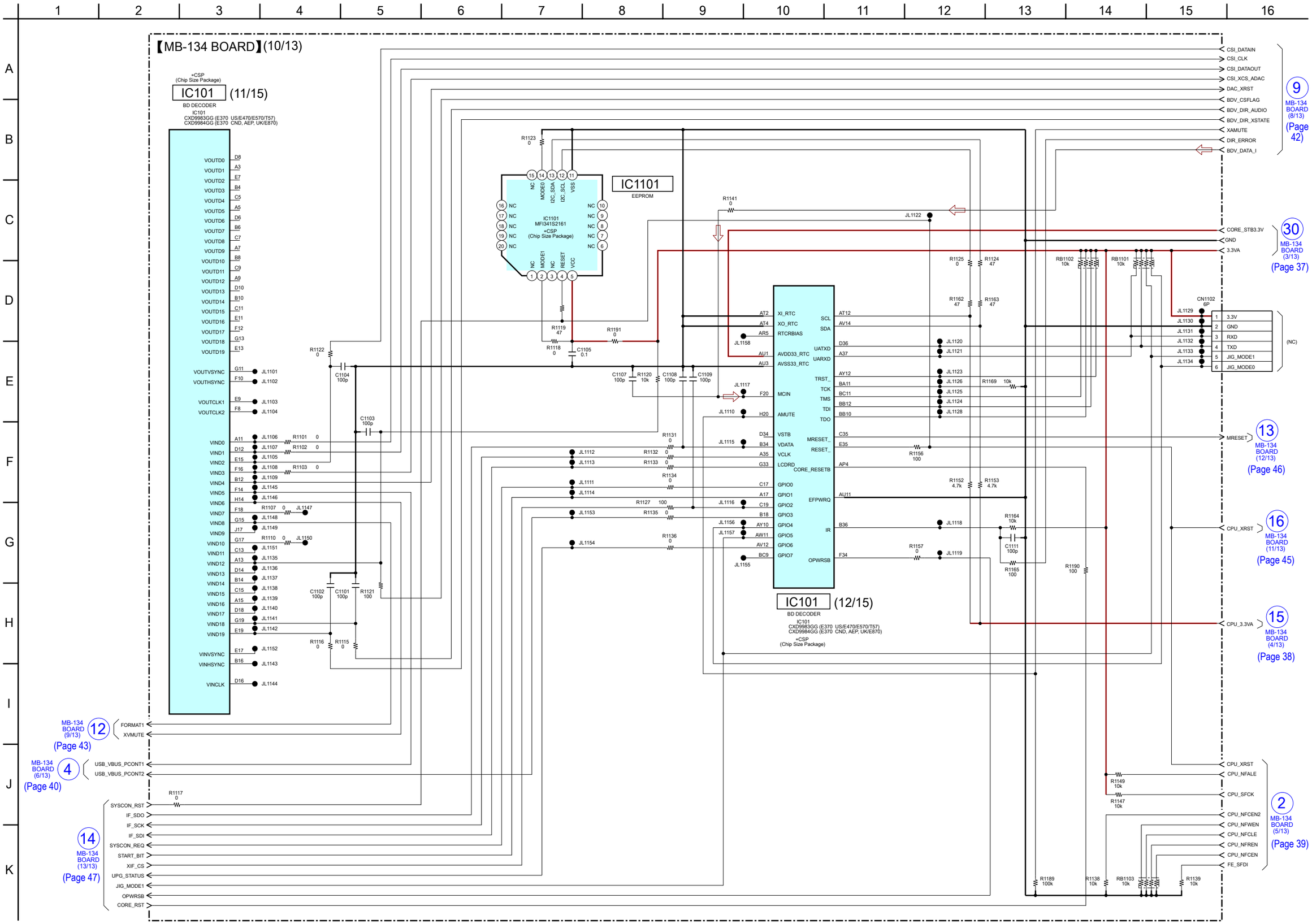
Note: IC101 on the MB-134 board cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-15. SCHEMATIC DIAGRAM - MB-134 Board (9/13) - • See page 67 for IC Block Diagrams. • See page 77 for IC Pin Function Description.



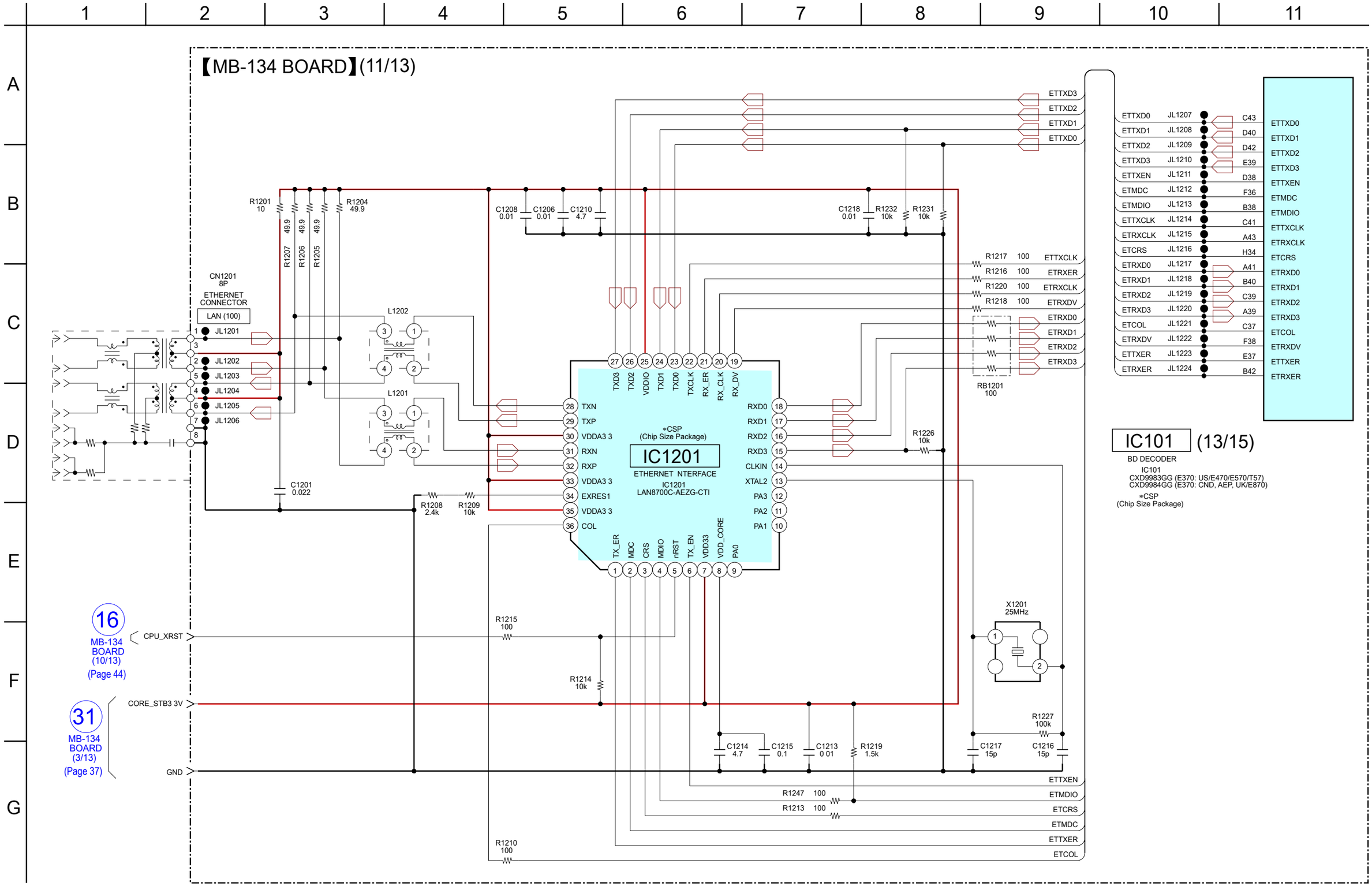
Note: IC101 on the MB-134 board cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-16. SCHEMATIC DIAGRAM - MB-134 Board (10/13) - • See page 77 for IC Pin Function Description.



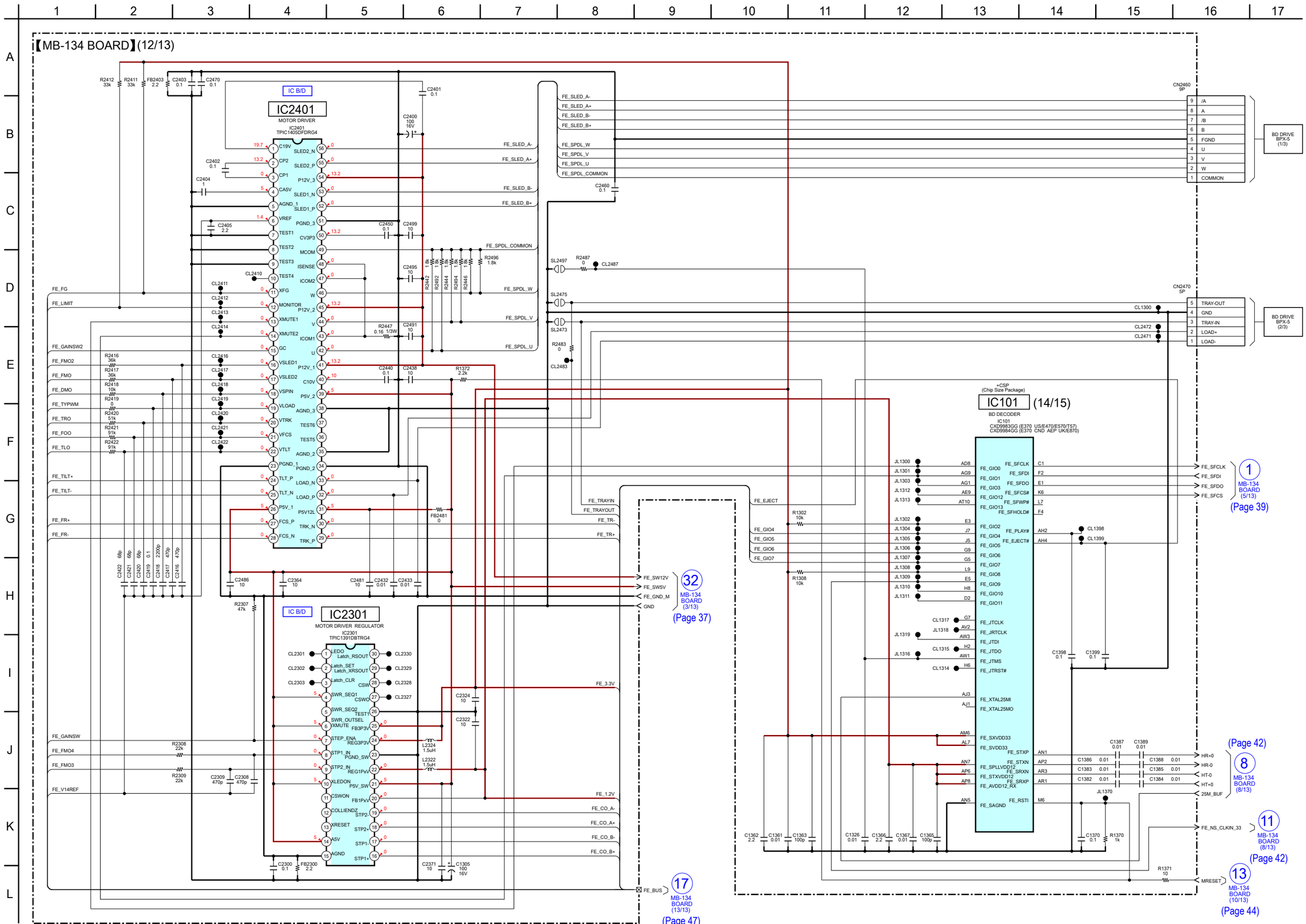
Note: IC101 on the MB-134 board cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-17. SCHEMATIC DIAGRAM - MB-134 Board (11/13) - • See page 77 for IC Pin Function Description.



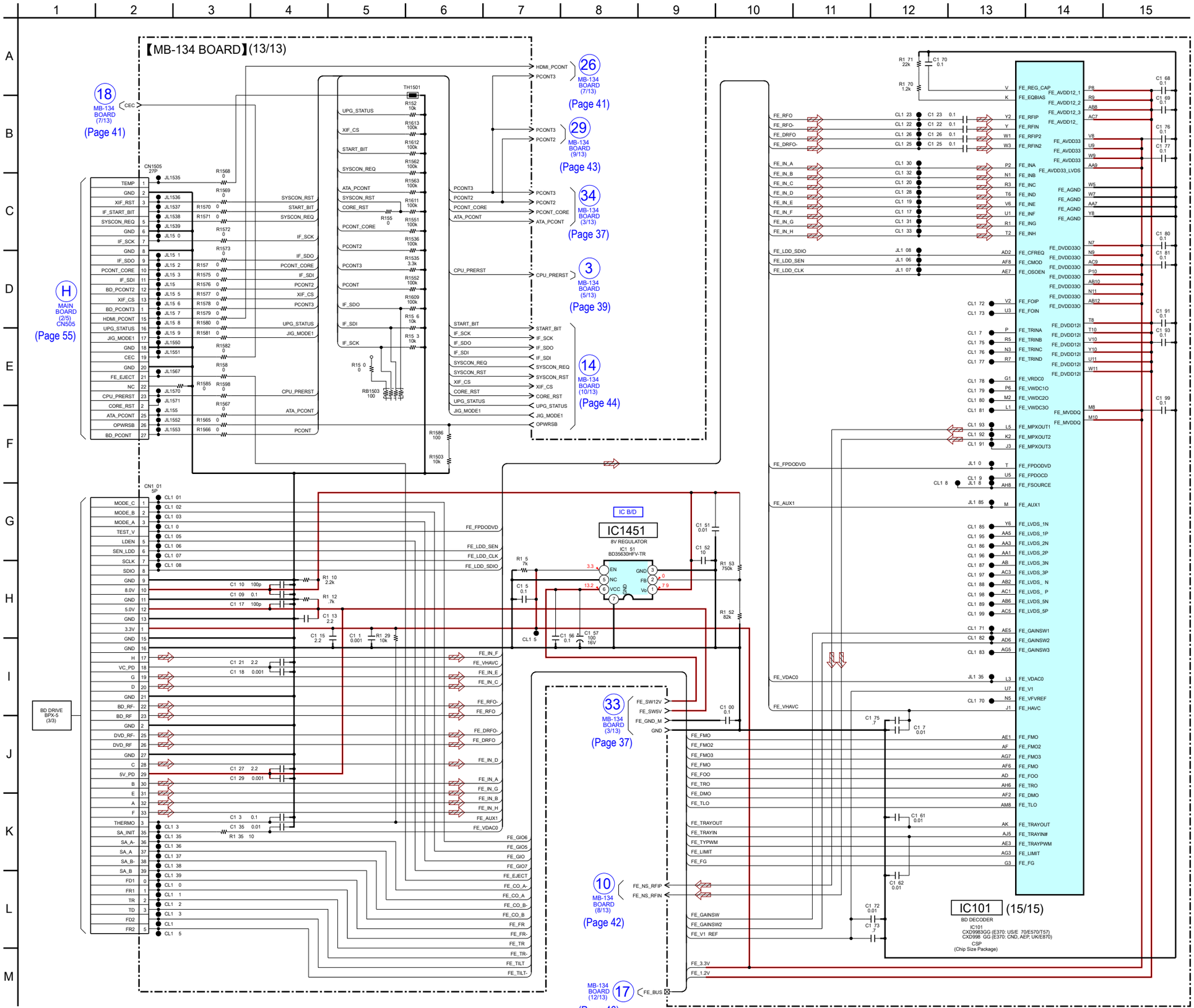
Note: IC101 on the MB-134 board cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-18. SCHEMATIC DIAGRAM - MB-134 Board (12/13) - • See page 67 for IC Block Diagrams. • See page 77 for IC Pin Function Description.

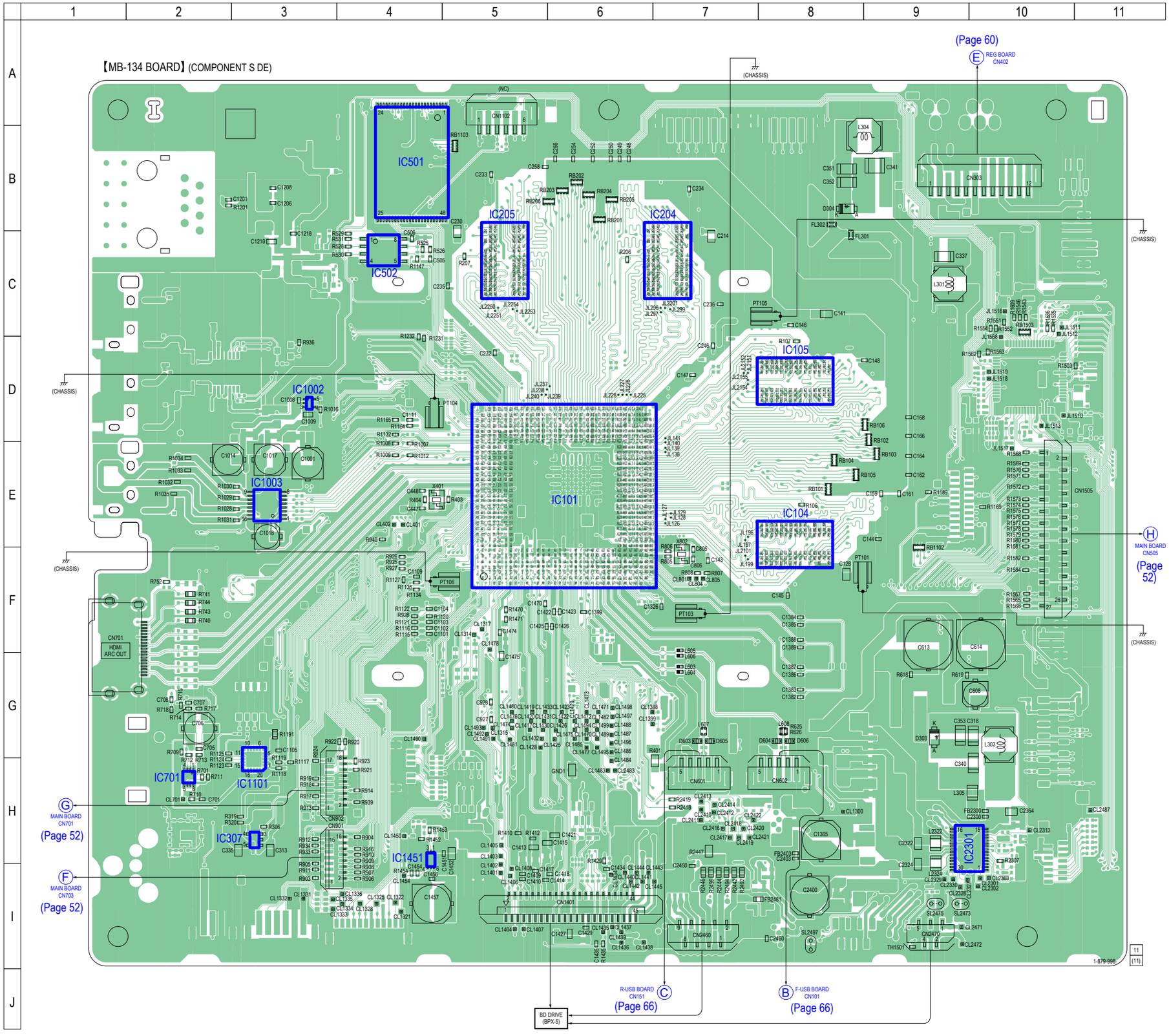


Note: IC101 on the MB-134 board cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-19. SCHEMATIC DIAGRAM - MB-134 Board (13/13) - • See page 67 for IC Block Diagrams. • See page 77 for IC Pin Function Description.



5-20. PRINTED WIRING BOARD - MB-134 Board (Component Side)- • See page 34 for Circuit Boards Location. • : Uses unleaded solder.

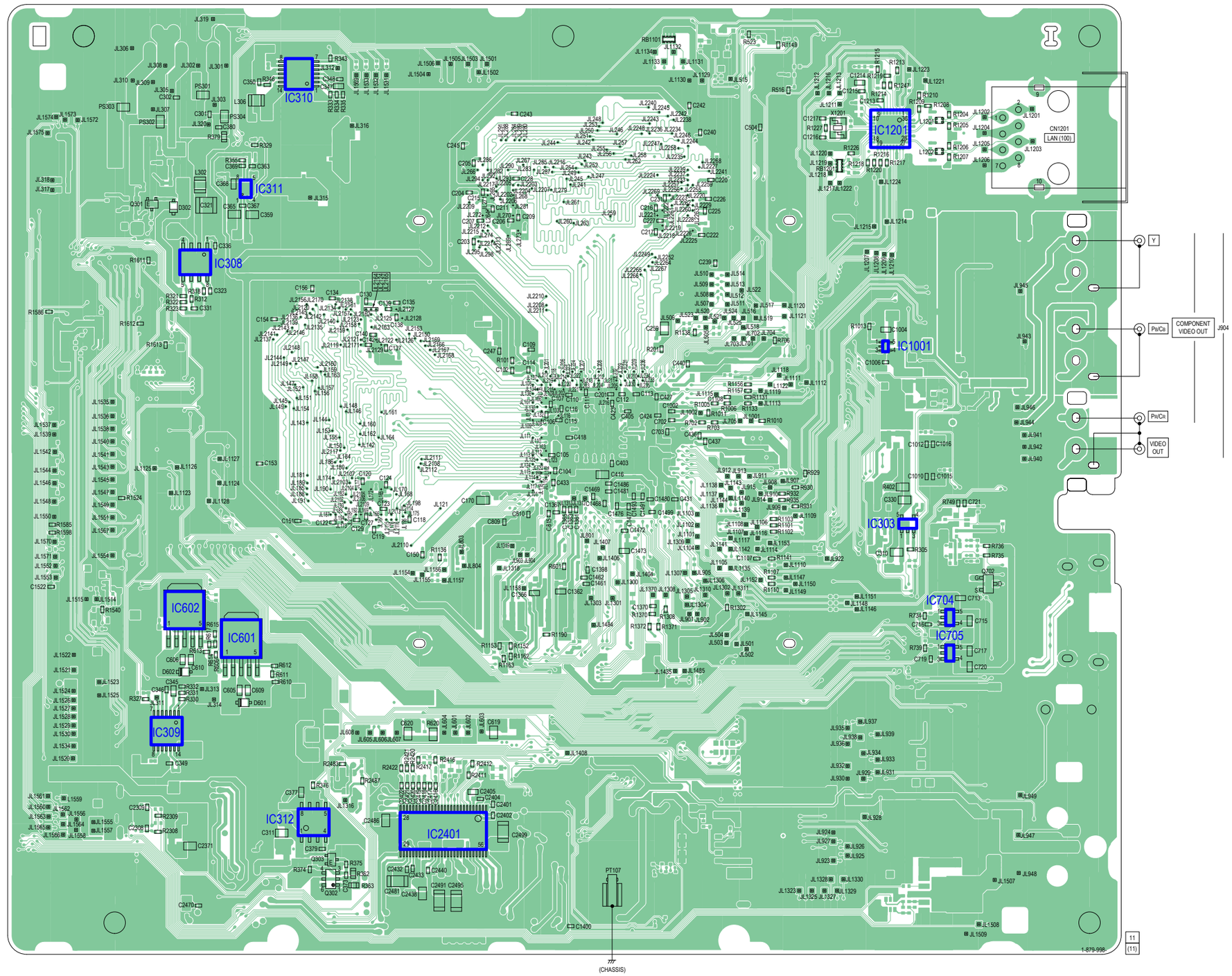


Note: IC101, IC104, IC105, IC204, IC205, IC307, IC501 and IC502 on the MB-134 board cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

5-21. PRINTED WIRING BOARD - MB-134 Board (Conductor Side)-

• See page 34 for Circuit Boards Location. • : Uses unleaded solder.

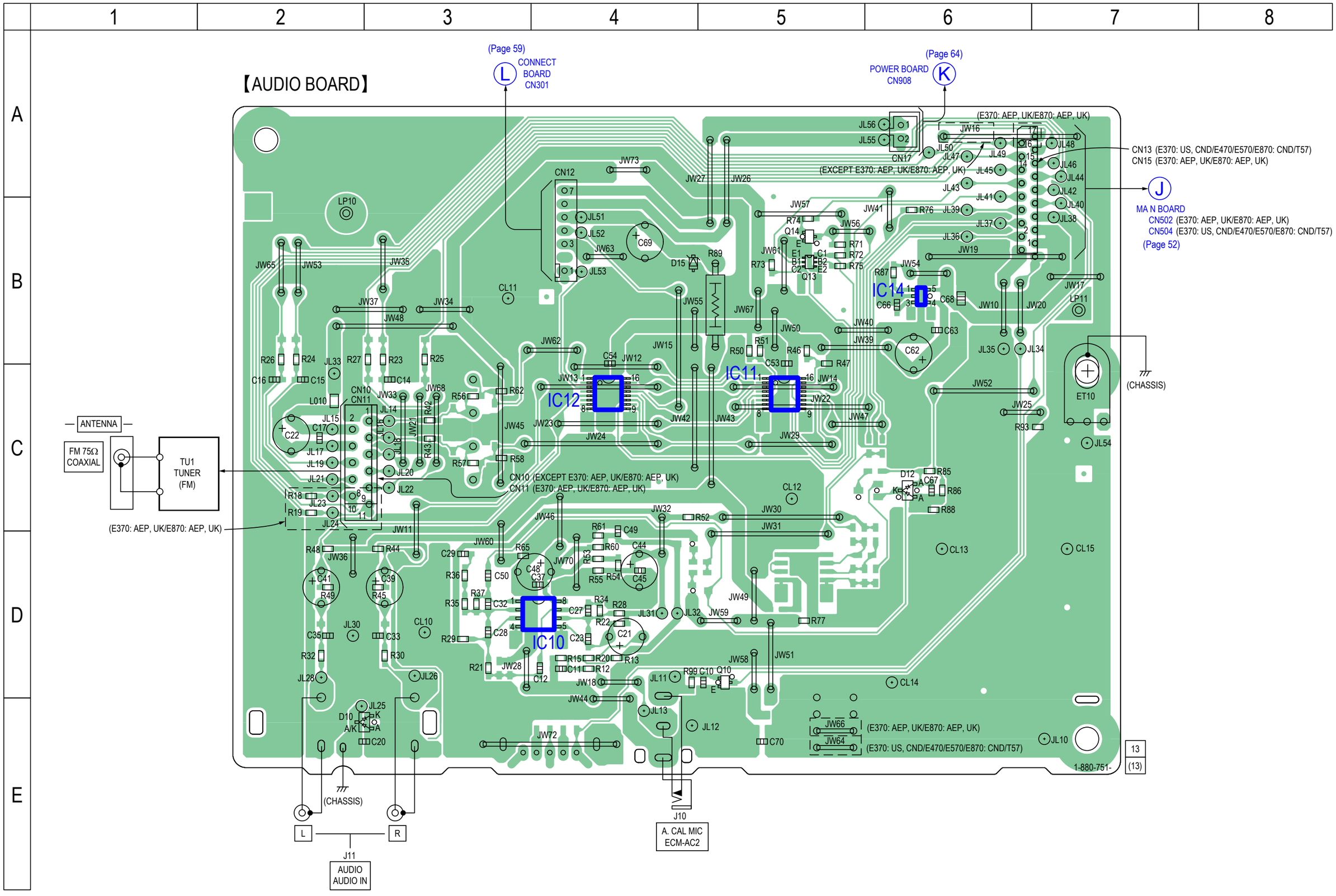
【MB-134 BOARD】(CONDUCTOR S DE)



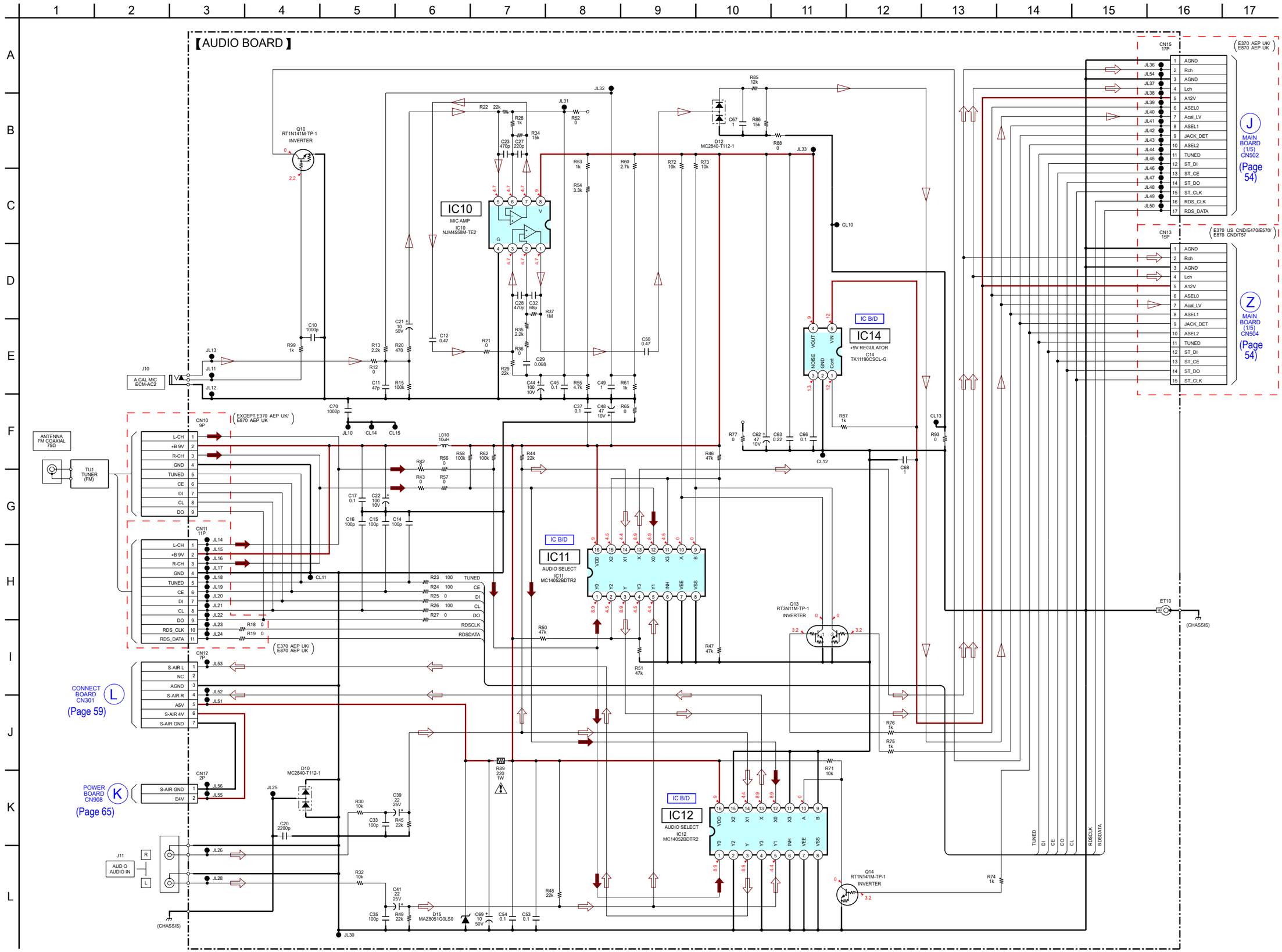
Note: IC311 on the MB-134 board cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-22. PRINTED WIRING BOARD - AUDIO Board -

• See page 34 for Circuit Boards Location. • : Uses unleaded solder.

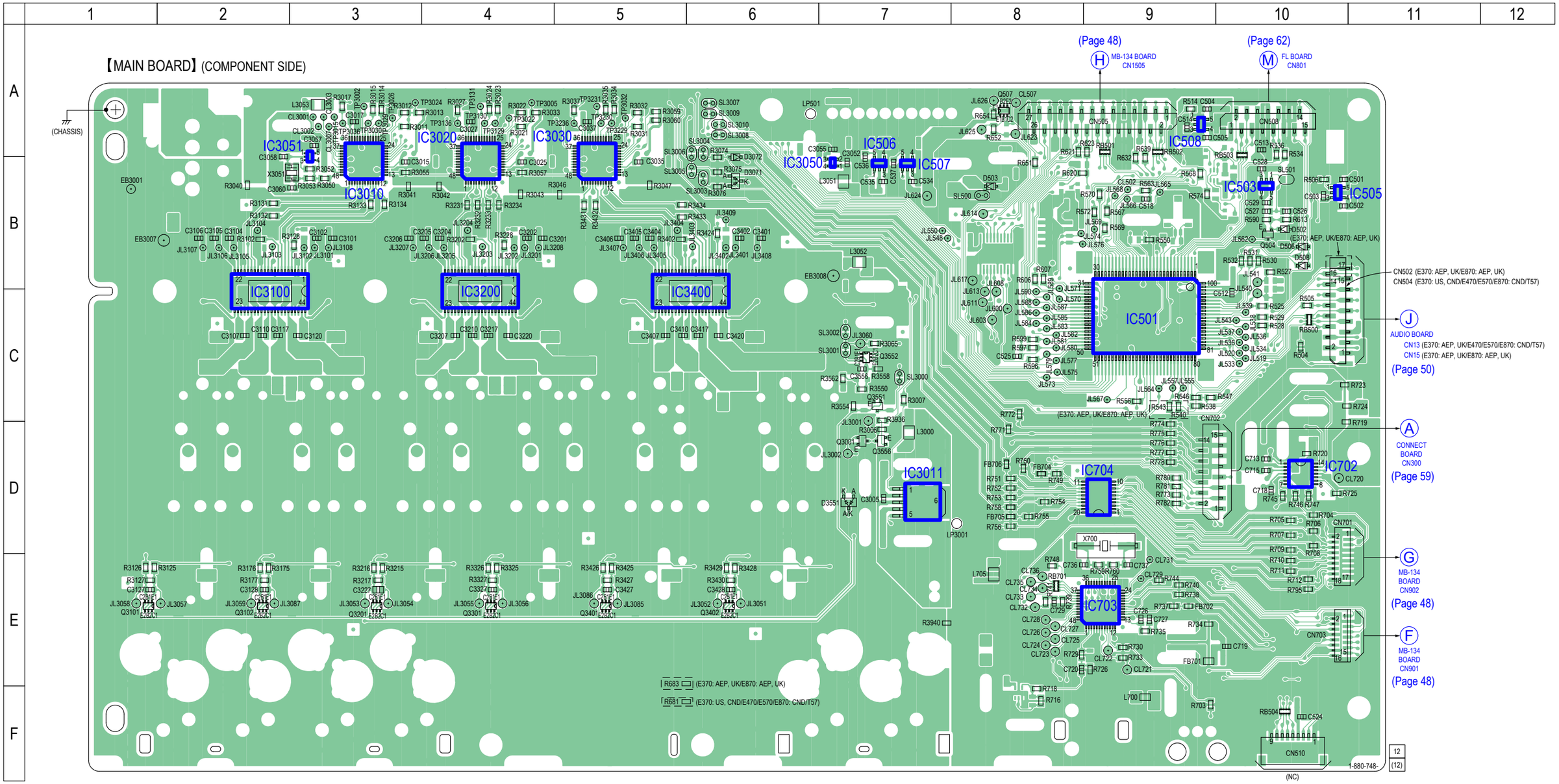


5-23. SCHEMATIC DIAGRAM - AUDIO Board - • See page 67 for IC Block Diagrams.



5-24. PRINTED WIRING BOARD - MAIN Board (Component Side)-

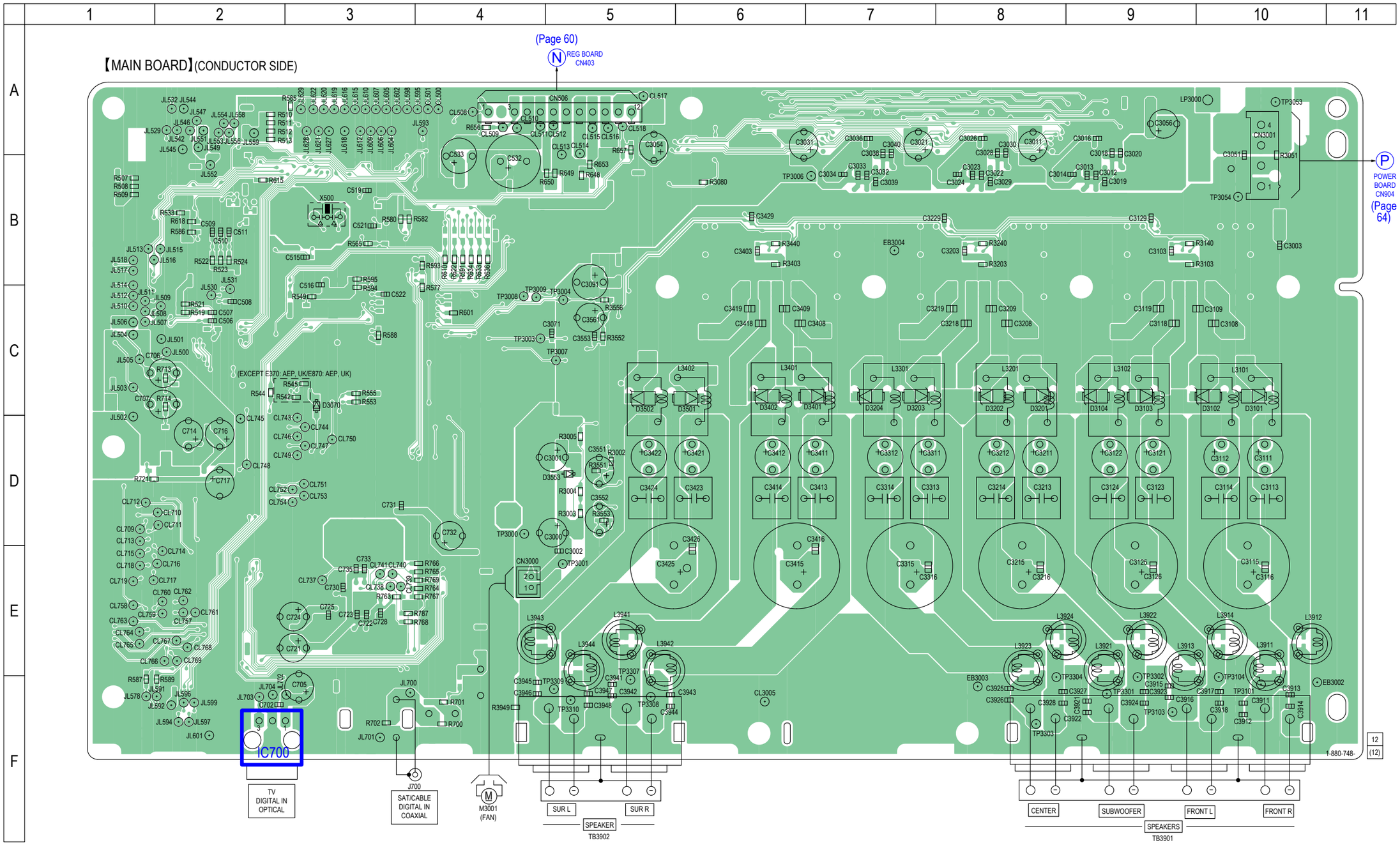
• See page 34 for Circuit Boards Location. • : Uses unleaded solder.



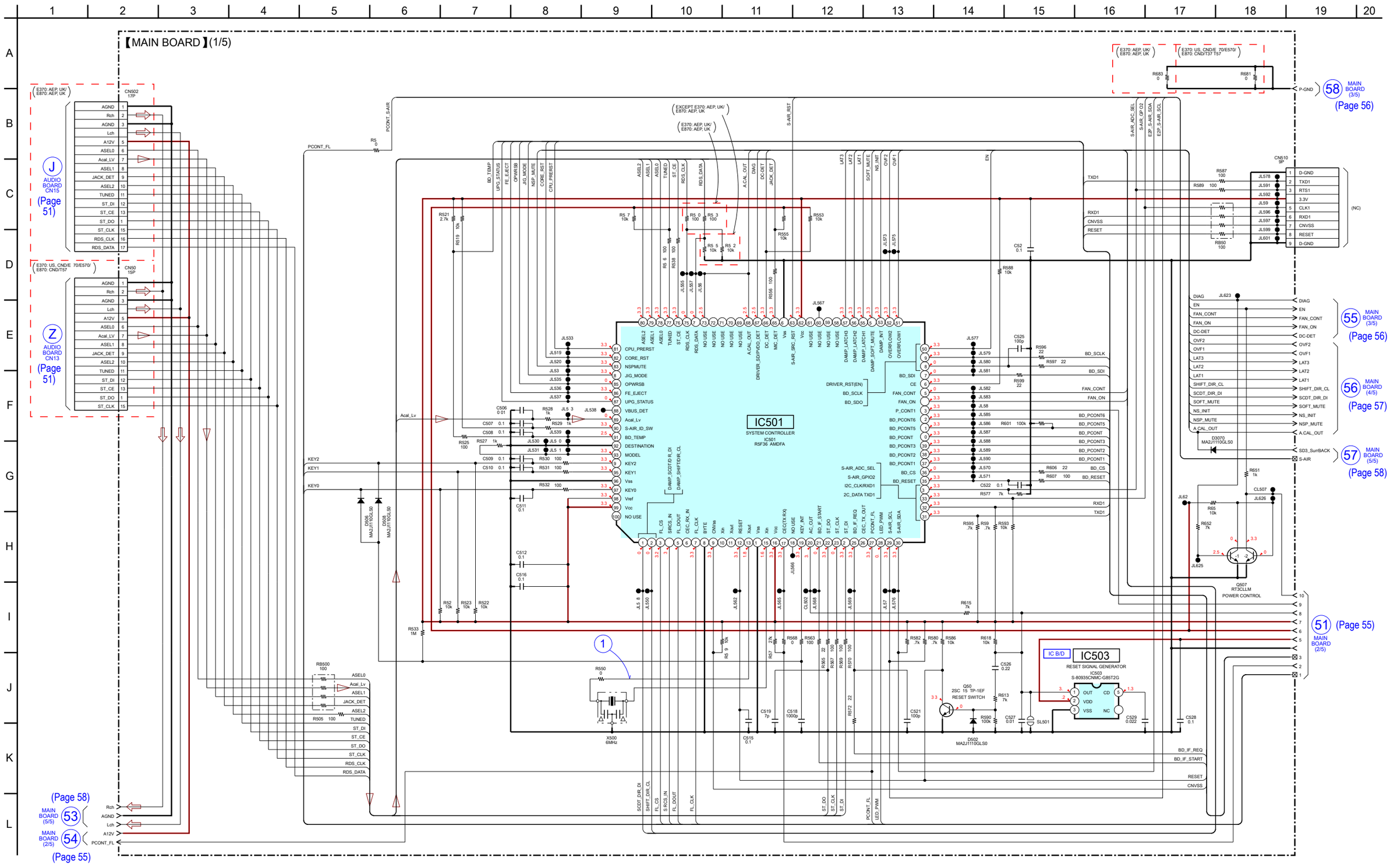
Note: When IC3100, IC3200 and IC3400 on the MAIN board are replaced, spread the compound referring to "NOTE OF REPLACING THE IC3100, IC3200 AND IC3400 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" on servicing notes (page 8).

5-25. PRINTED WIRING BOARD - MAIN Board (Conductor Side)-

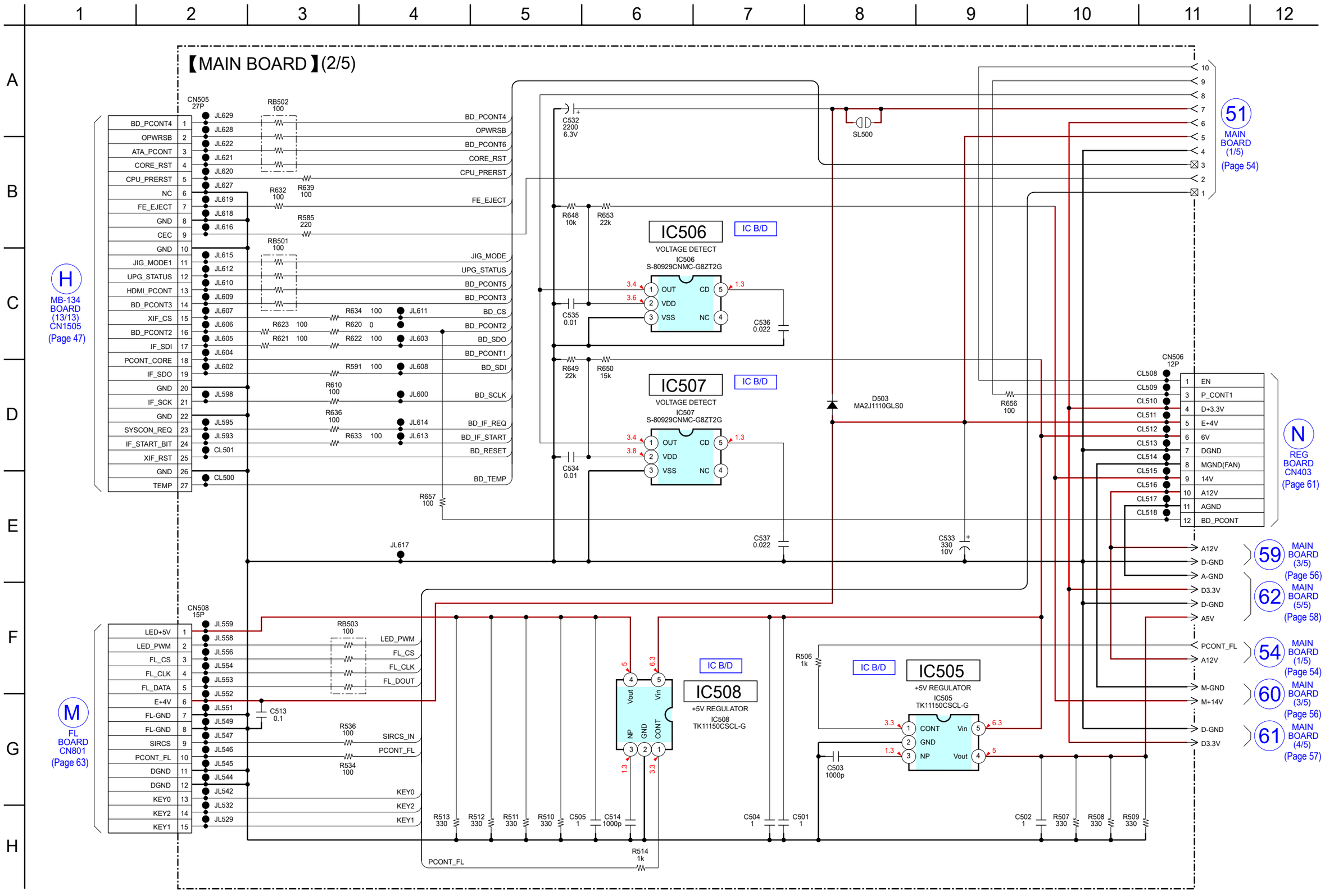
• See page 34 for Circuit Boards Location. • : Uses unleaded solder.



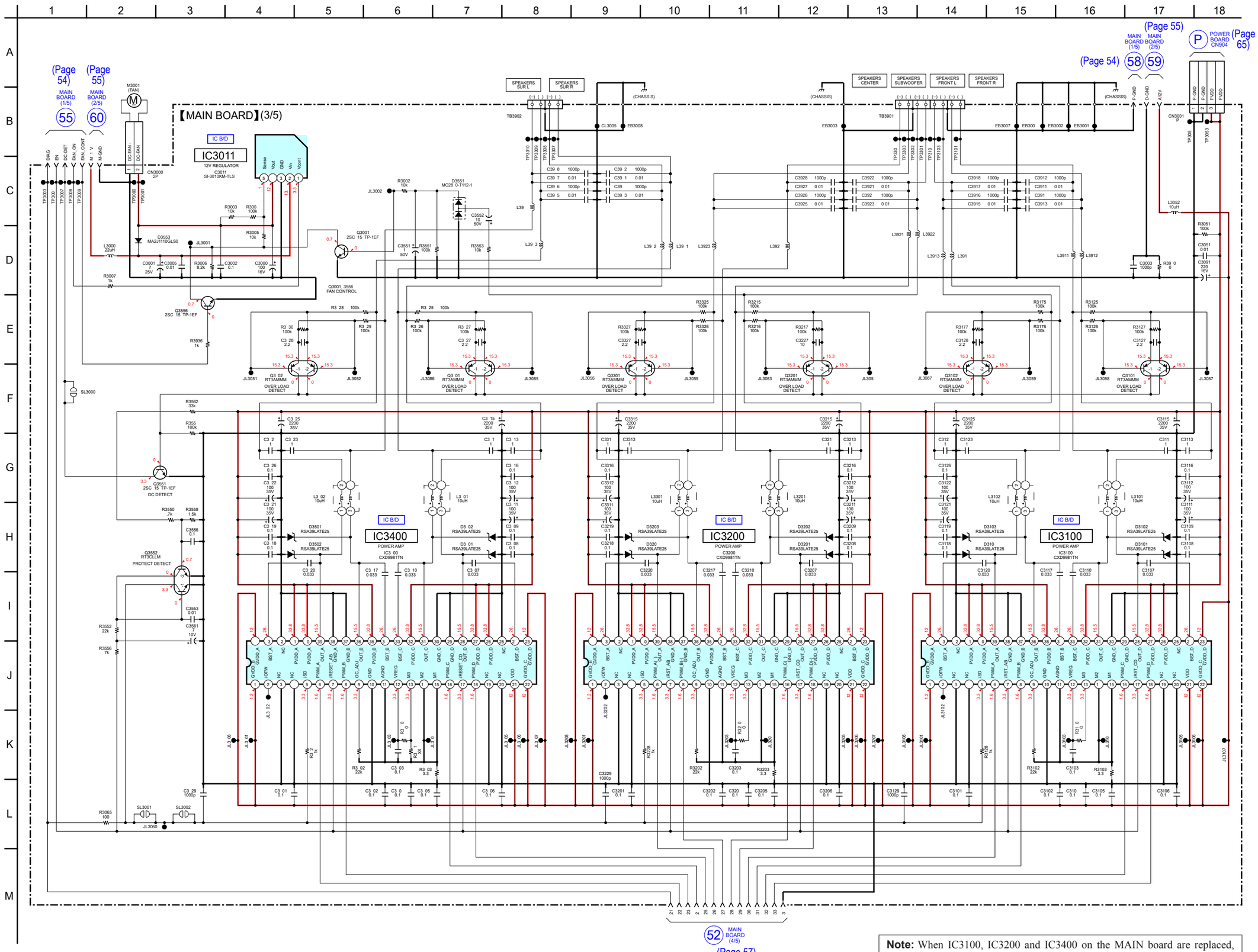
5-26. SCHEMATIC DIAGRAM - MAIN Board (1/5) - • See page 60 for waveforms. • See page 67 for IC Block Diagrams. • See page 77 for IC Pin Function Description.



5-27. SCHEMATIC DIAGRAM - MAIN Board (2/5) - • See page 67 for IC Block Diagrams.

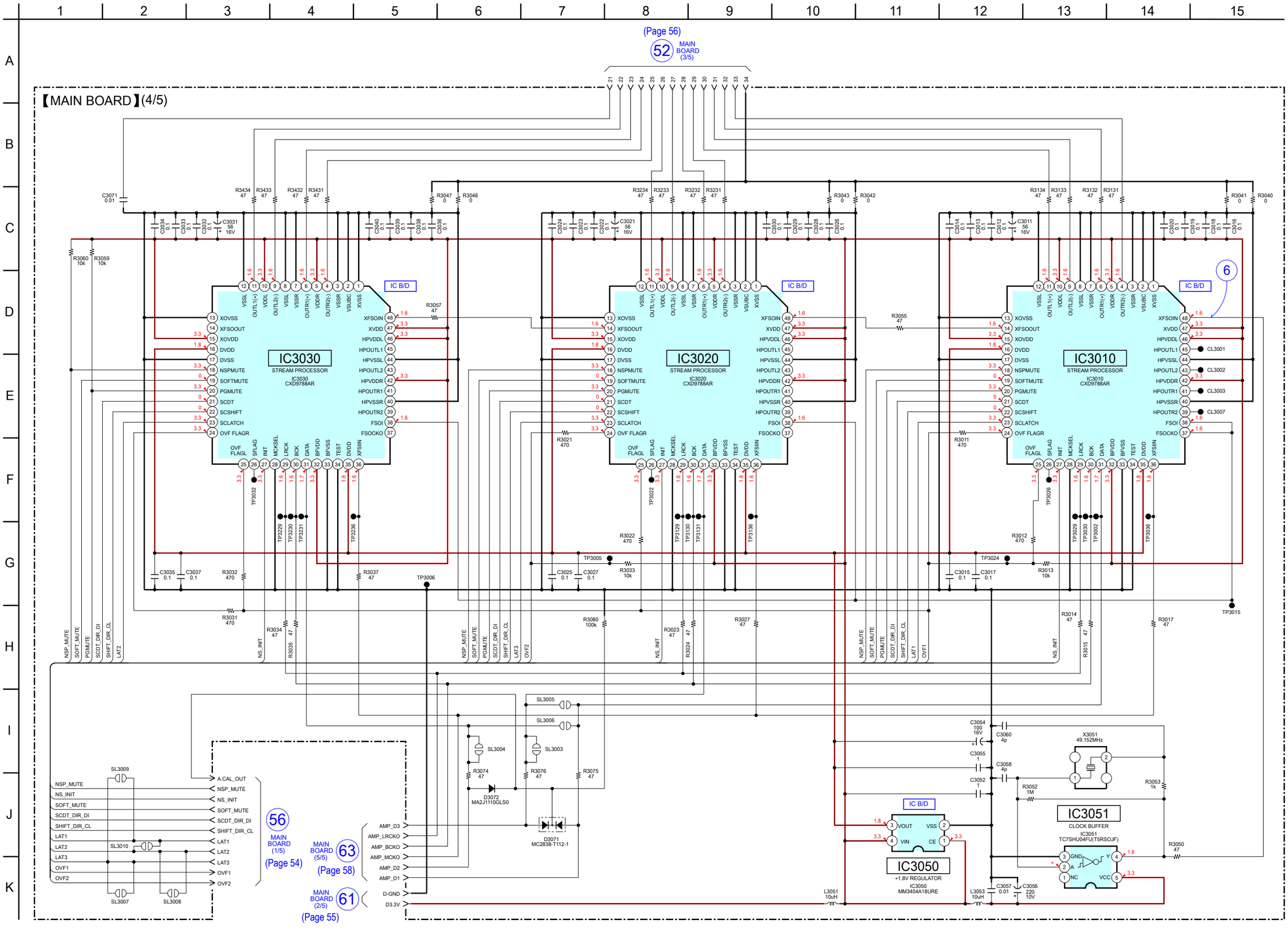


5-28. SCHEMATIC DIAGRAM - MAIN Board (3/5) - • See page 67 for IC Block Diagrams.

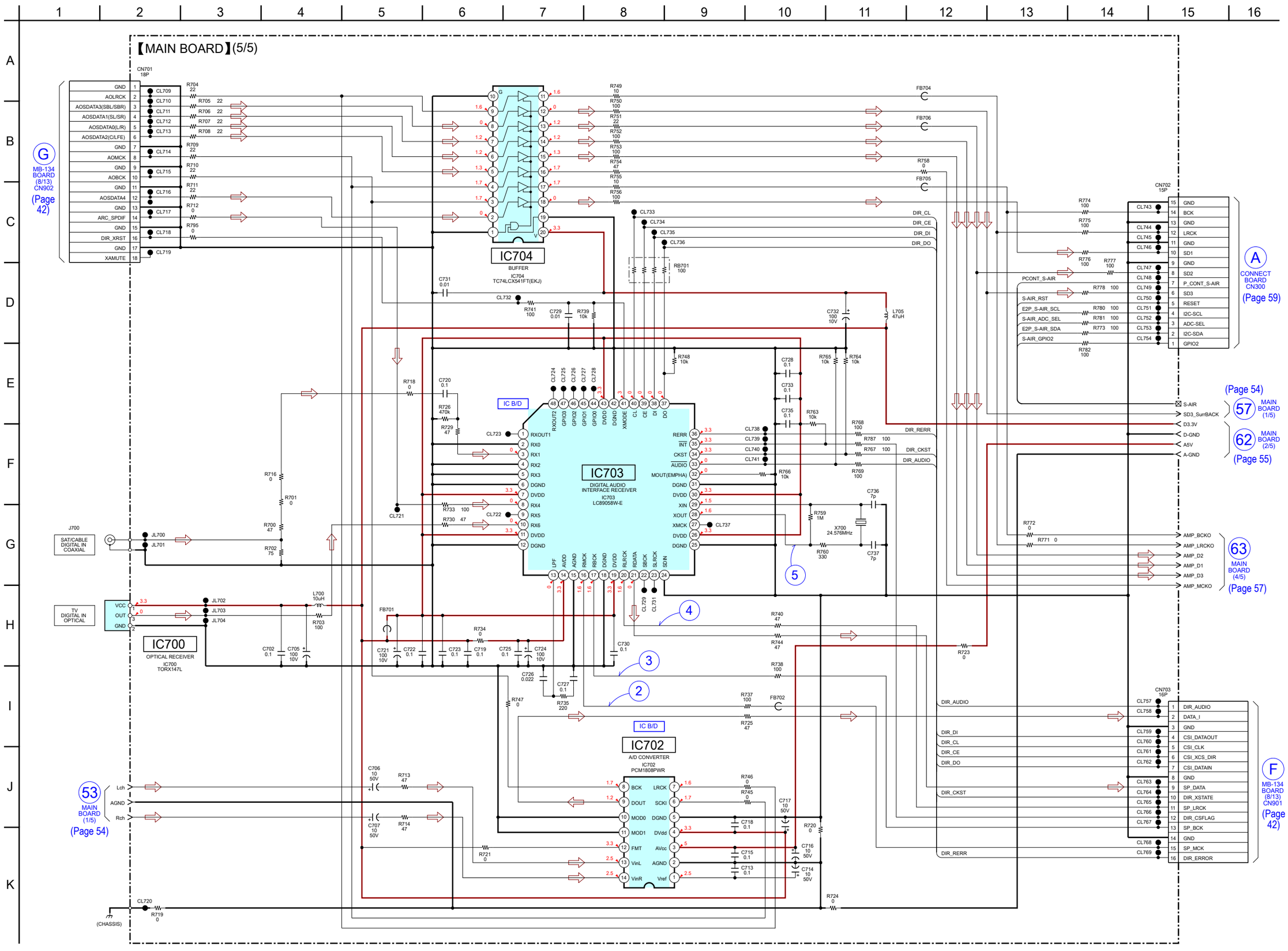


Note: When IC3100, IC3200 and IC3400 on the MAIN board are replaced, spread the compound referring to "NOTE OF REPLACING THE IC3100, IC3200 AND IC3400 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" on servicing notes (page 8).

5-29. SCHEMATIC DIAGRAM - MAIN Board (4/5) - • See page 60 for waveforms. • See page 67 for IC Block Diagrams.

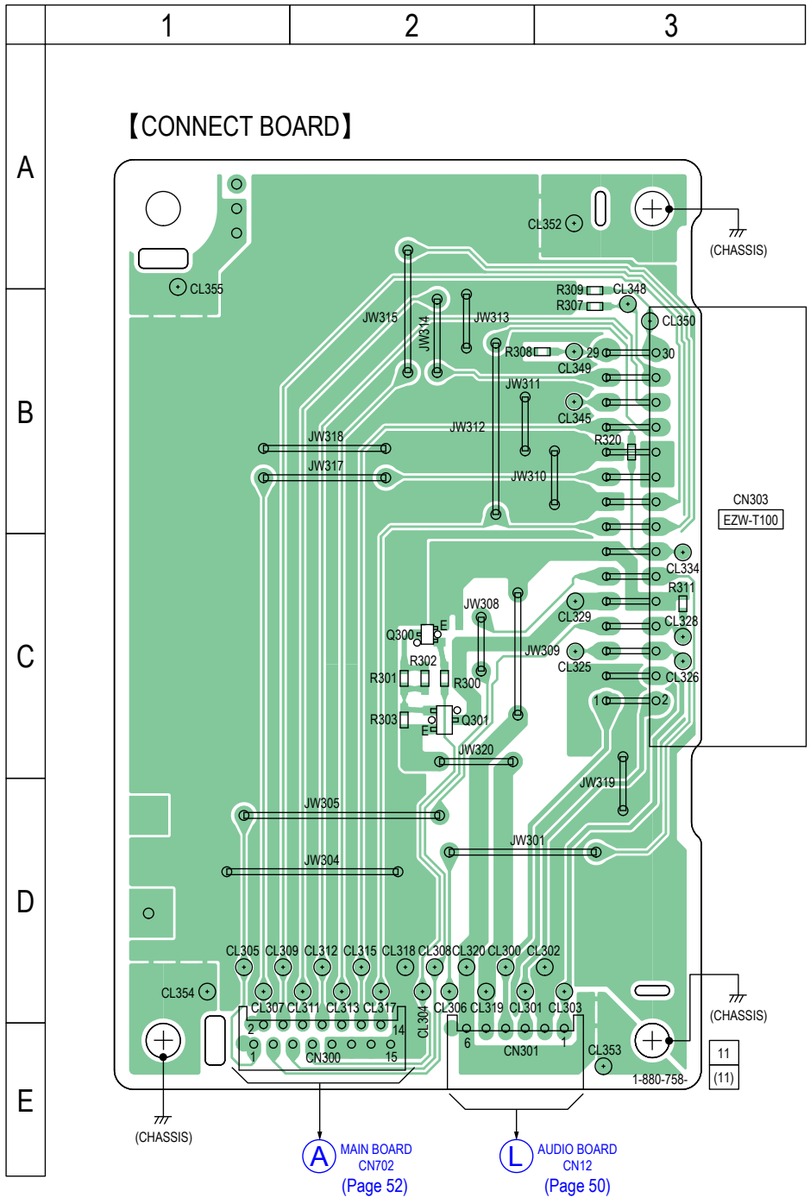


5-30. SCHEMATIC DIAGRAM - MAIN Board (5/5) - • See page 60 for waveforms. • See page 67 for IC Block Diagrams.

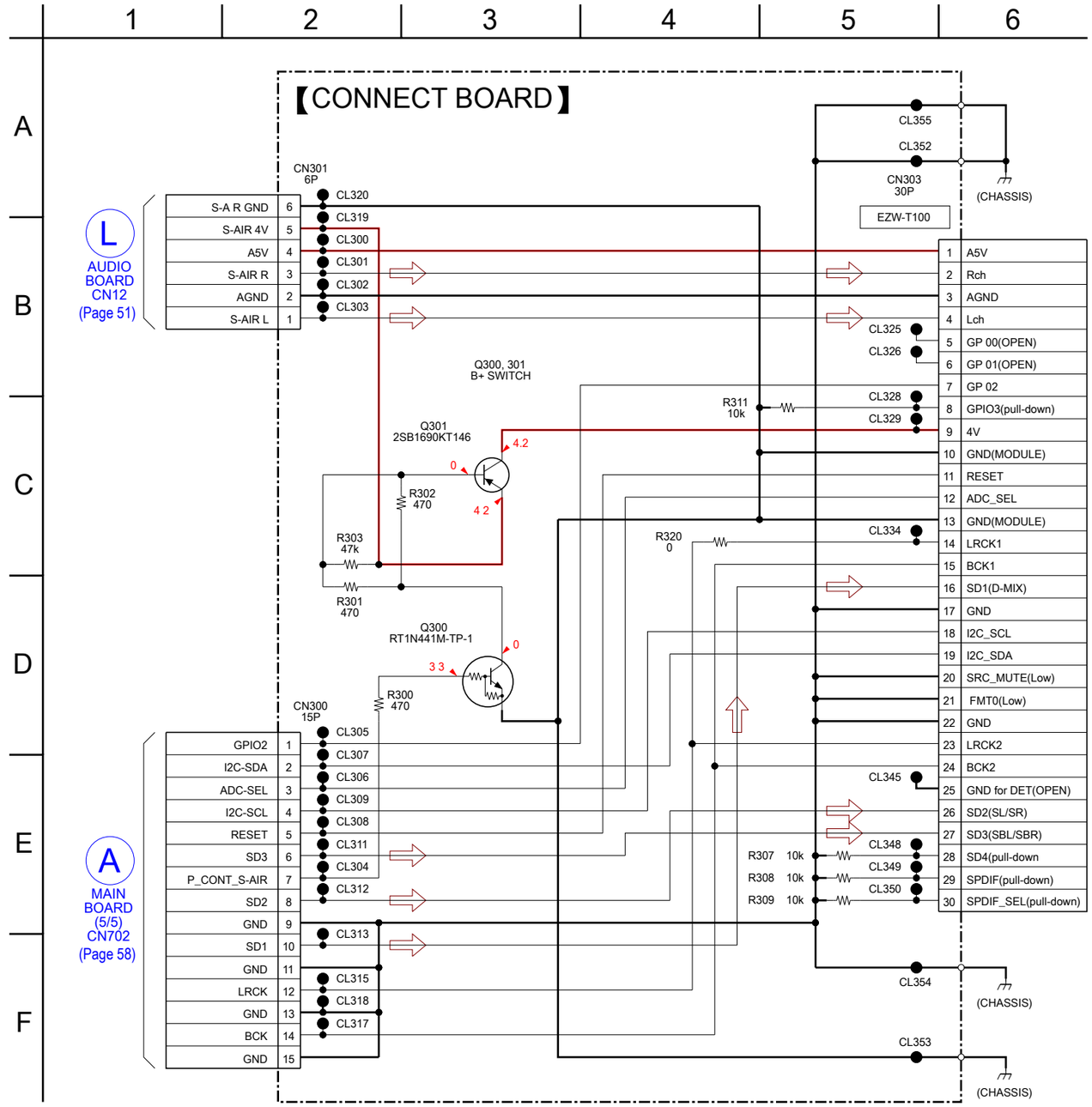


5-31. PRINTED WIRING BOARD - CONNECT Board -

• See page 34 for Circuit Boards Location. • : Uses unleaded solder.



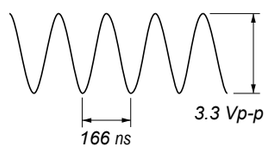
5-32. SCHEMATIC DIAGRAM - CONNECT Board -



• Waveforms

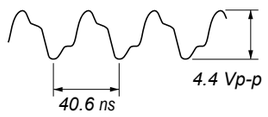
– MAIN Board –

① IC501 ⑬ (Xout)



1 V/DIV, 100 ns/DIV

② IC703 ⑯ (RMCK)

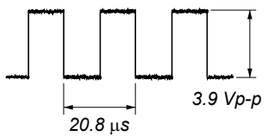


1 V/DIV, 20 ns/DIV

③ IC703 ⑰ (RBCK)

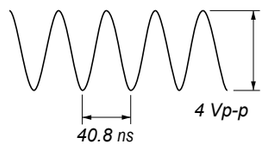
1 V/DIV, 200 ns/DIV

④ IC703 ⑳ (RLRCK)



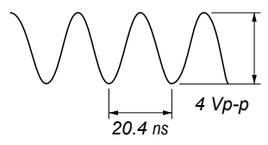
1 V/DIV, 10 µs/DIV

⑤ IC703 ㉘ (XOUT)



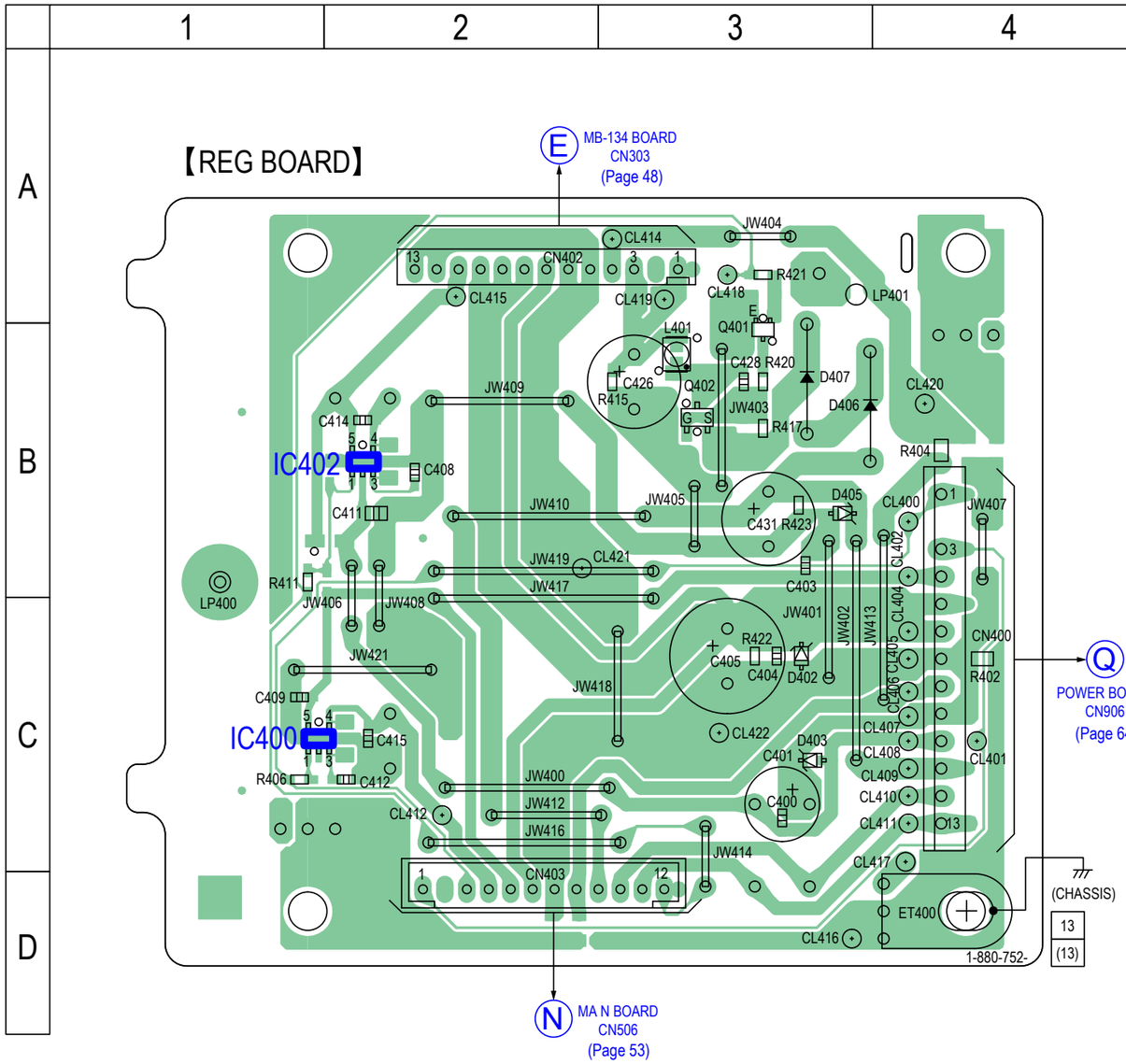
1 V/DIV, 20 ns/DIV

⑥ IC3010 ㊽ (XFSOIN)

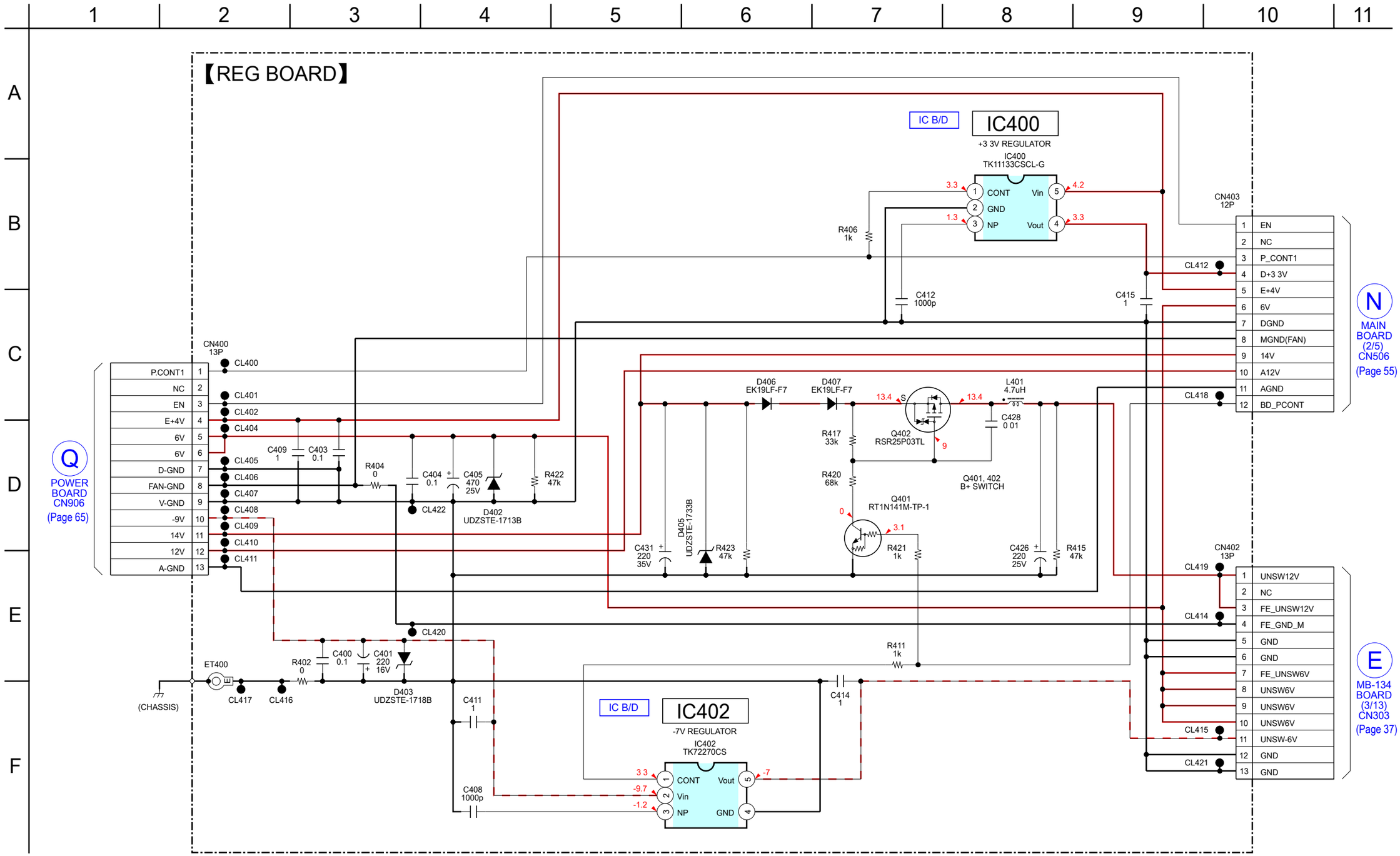


1 V/DIV, 10 ns/DIV

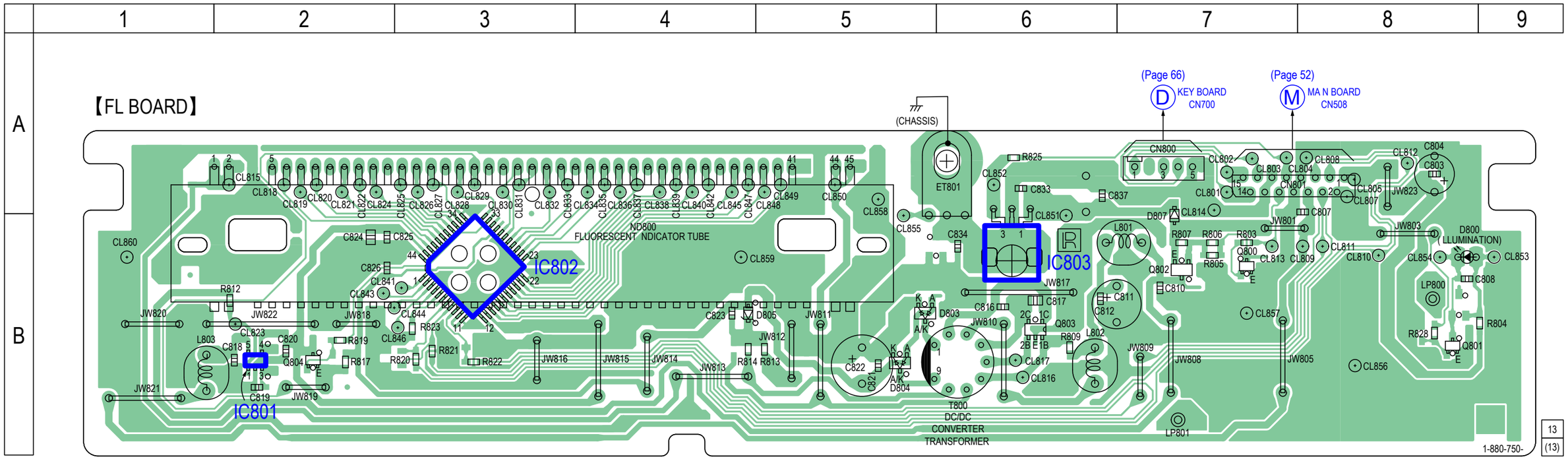
5-33. PRINTED WIRING BOARD - REG Board - • See page 34 for Circuit Boards Location. • : Uses unleaded solder.



5-34. SCHEMATIC DIAGRAM - REG Board - • See page 67 for IC Block Diagrams.



5-35. PRINTED WIRING BOARD - FL Board - • See page 34 for Circuit Boards Location. • : Uses unleaded solder.



5-36. SCHEMATIC DIAGRAM - FL Board - • See page 67 for IC Block Diagrams.

【FL BOARD】

ND800
FLUORESCENT INDICATOR TUBE

IC802
FLUORESCENT INDICATOR TUBE DRIVER
IC802
HT16515

IC803
REMOTE CONTROL RECEIVER
IC803
PNA4823M02S0

IC801
+3.3V REGULATOR
IC801
TK11133CSCL-G

IC B/D

T800
DC/DC CONVERTER TRANSFORMER

Q803
CPH5504-TL-E
OSC

Q804
2SC4154TP-1EF
GRID DRIVE

Q801
RT1N141M-TP-1
LED DRIVE

Q800
RT1N441M-TP-1

Q802
2SB1690KT146

Q800, 802
B+ SWITCH

D800
SLD430WBD2PT31XN
(ILLUMINATION)

D803
MC2840-T112-1

D804
MC2840-T112-1

D805
MAZ8051GLLS0

D807
MA2J1110GLS0

CN800
5P

1 KEY2
2 NC
3 KEY1
4 KEY0
5 DGND

D
KEY BOARD CN700
(Page 66)

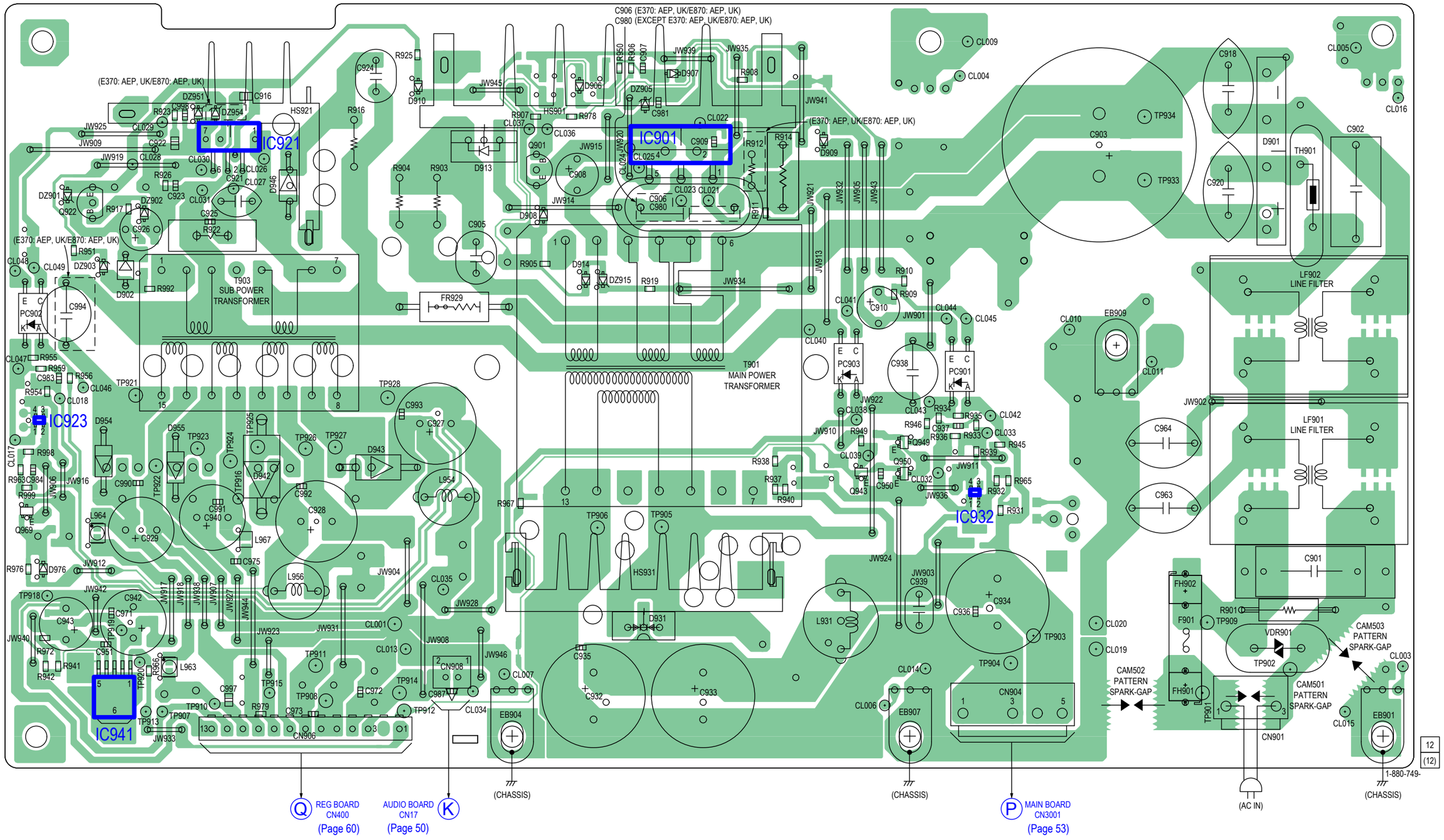
CN801
15P

1 LED+5V
2 LED_PWM
3 FL_CS
4 FL_CLK
5 FL_DATA
6 E+4V
7 FL-GND
8 FL-GND
9 SIRCS
10 PCONT_FL
11 DGND
12 DGND
13 KEY0
14 KEY2
15 KEY1

M
MAIN BOARD (2/5) CN508
(Page 55)

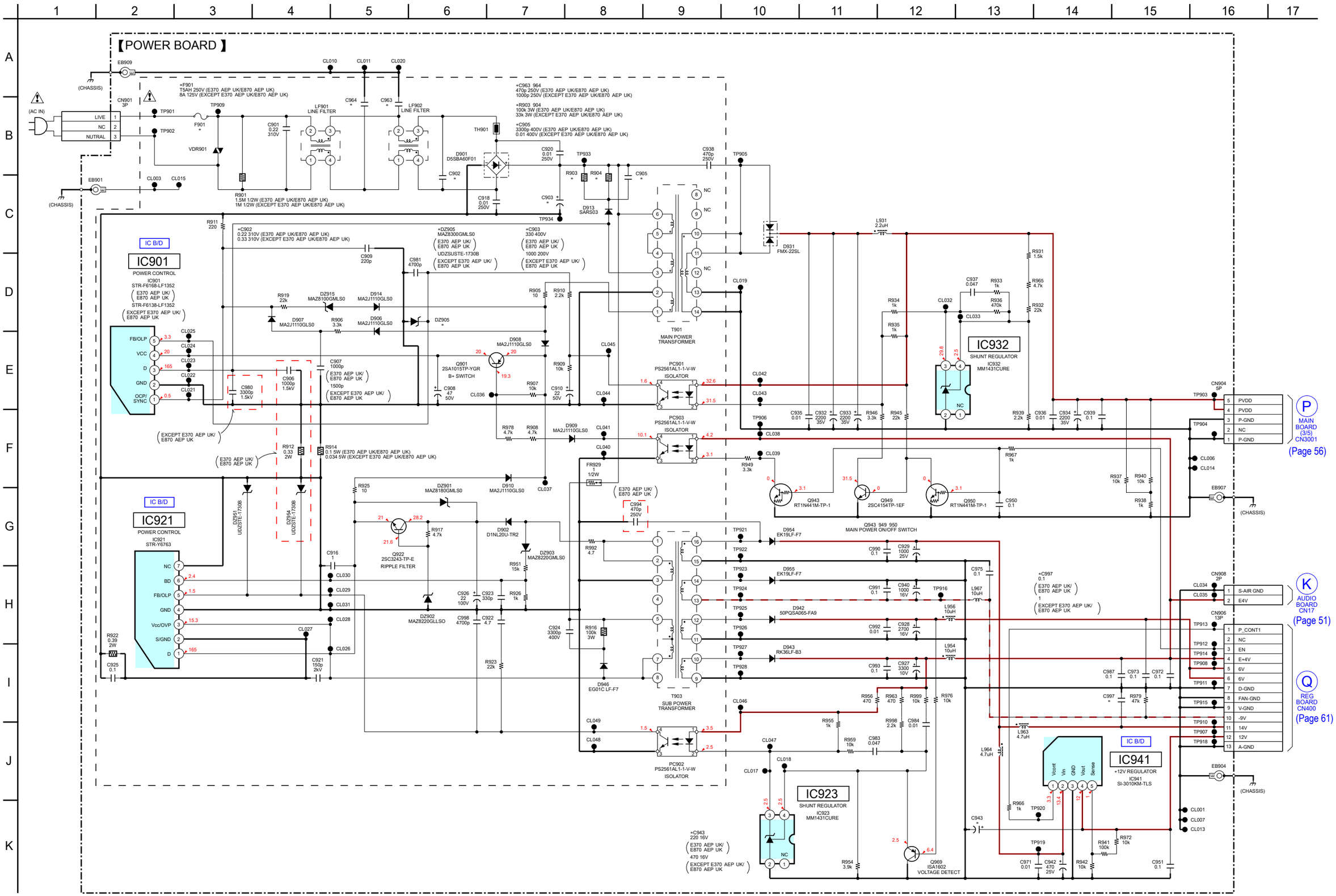
5-37. PRINTED WIRING BOARD - POWER Board - • See page 34 for Circuit Boards Location. • : Uses unleaded solder.

【POWER BOARD】



Note: When D913, D931, IC901 and IC921 on the POWER board are replaced, spread the compound referring to "NOTE OF REPLACING THE D913, D931, IC901 AND IC921 ON THE POWER BOARD AND THE COMPLETE POWER BOARD" on servicing notes (page 9).

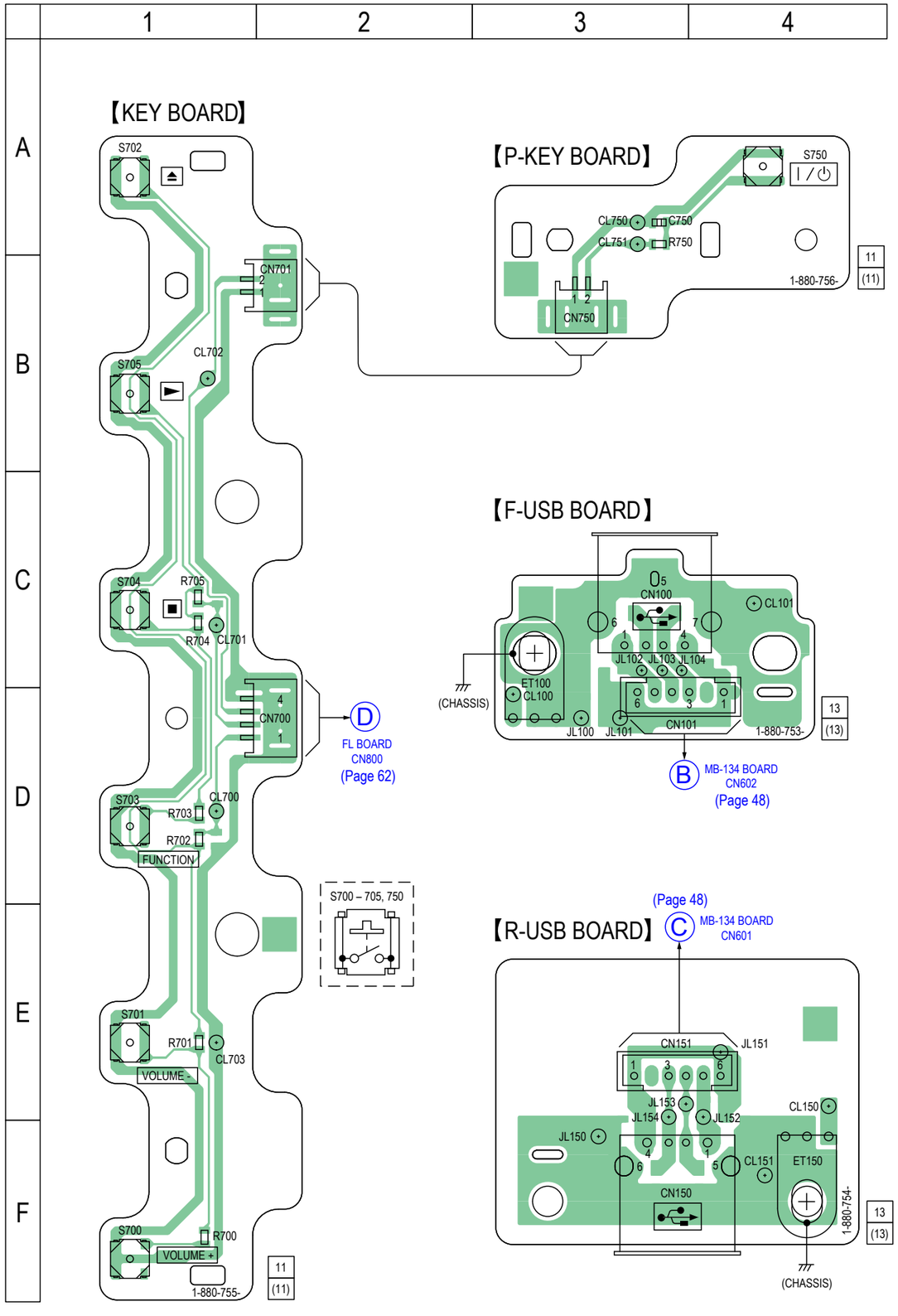
5-38. SCHEMATIC DIAGRAM - POWER Board - • See page 67 for IC Block Diagrams.



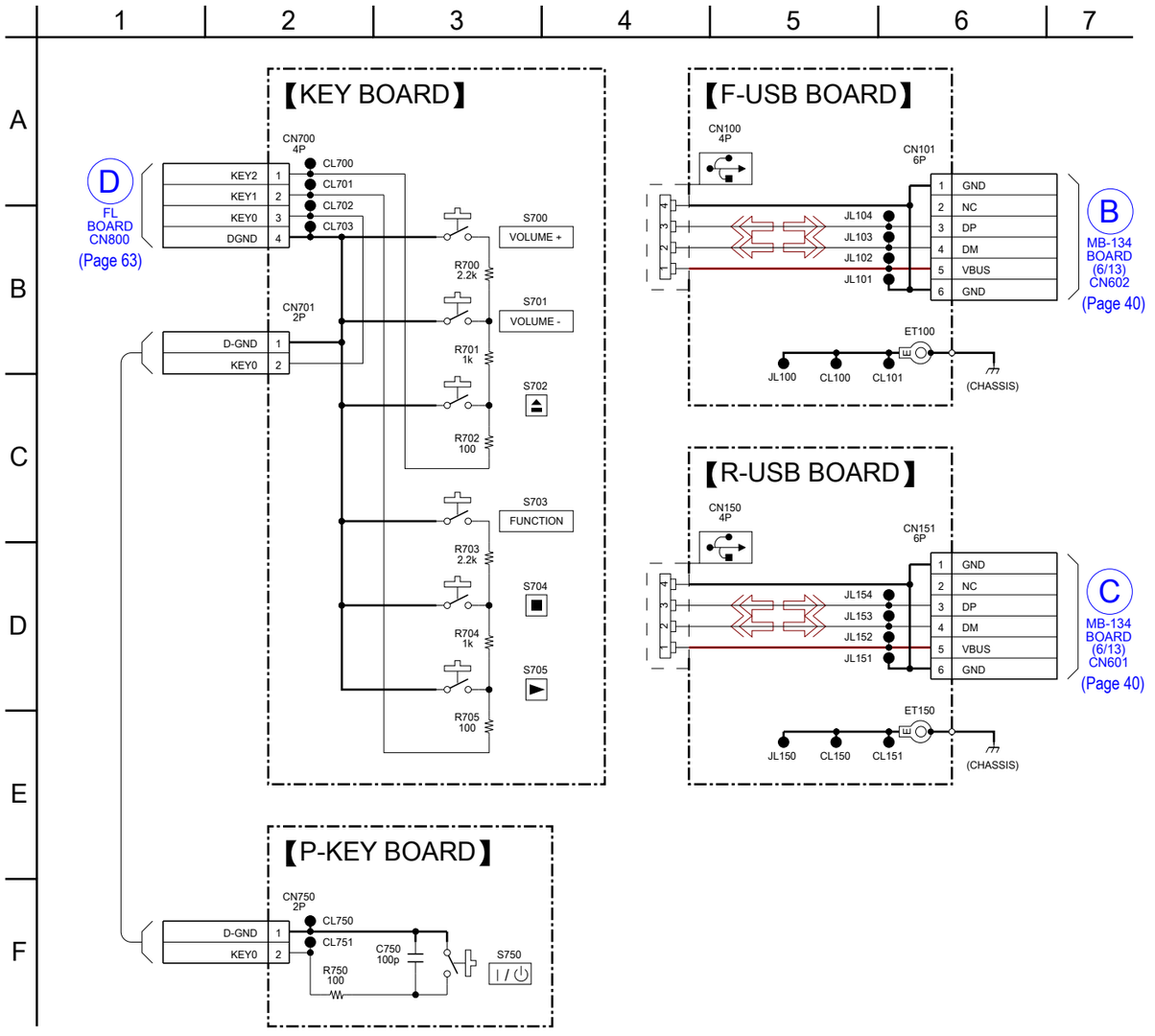
Note: When D913, D931, IC901 and IC921 on the POWER board are replaced, spread the compound referring to "NOTE OF REPLACING THE D913, D931, IC901 AND IC921 ON THE POWER BOARD AND THE COMPLETE POWER BOARD" on servicing notes (page 9).

5-39. PRINTED WIRING BOARDS - KEY Section -

• See page 34 for Circuit Boards Location. • : Uses unleaded solder.



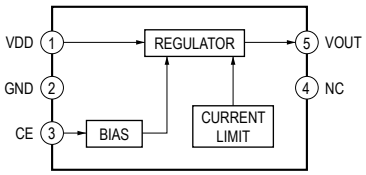
5-40. SCHEMATIC DIAGRAM - KEY Section -



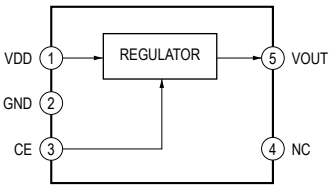
• **IC Block Diagrams**

- MB-134 Board -

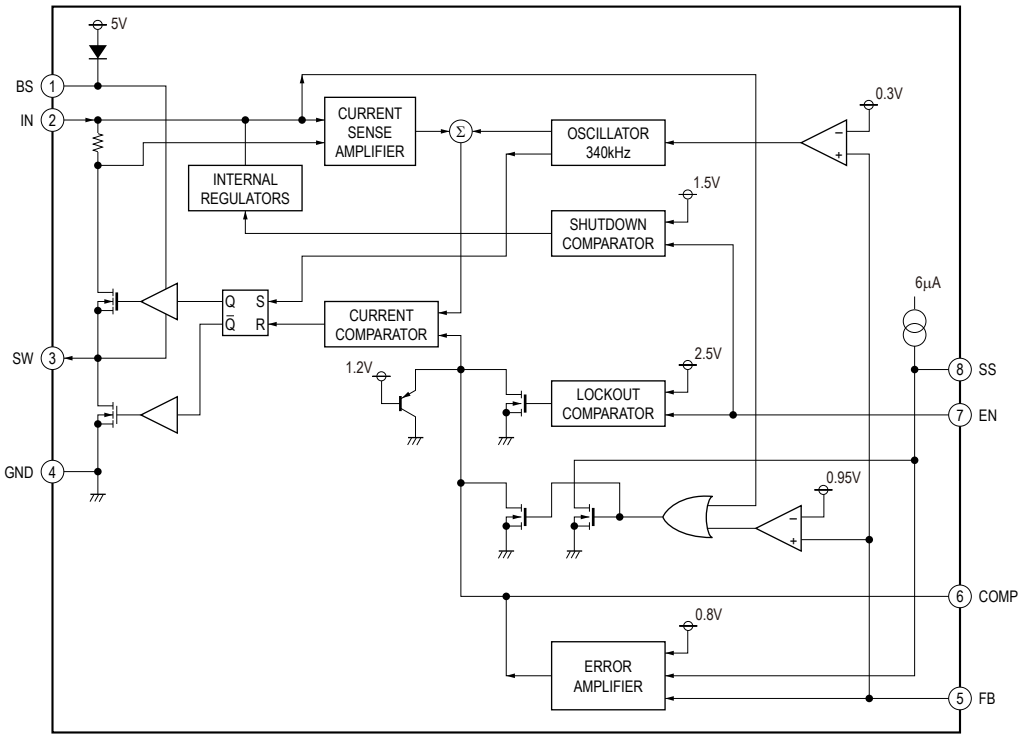
IC303 MM3141CNRE



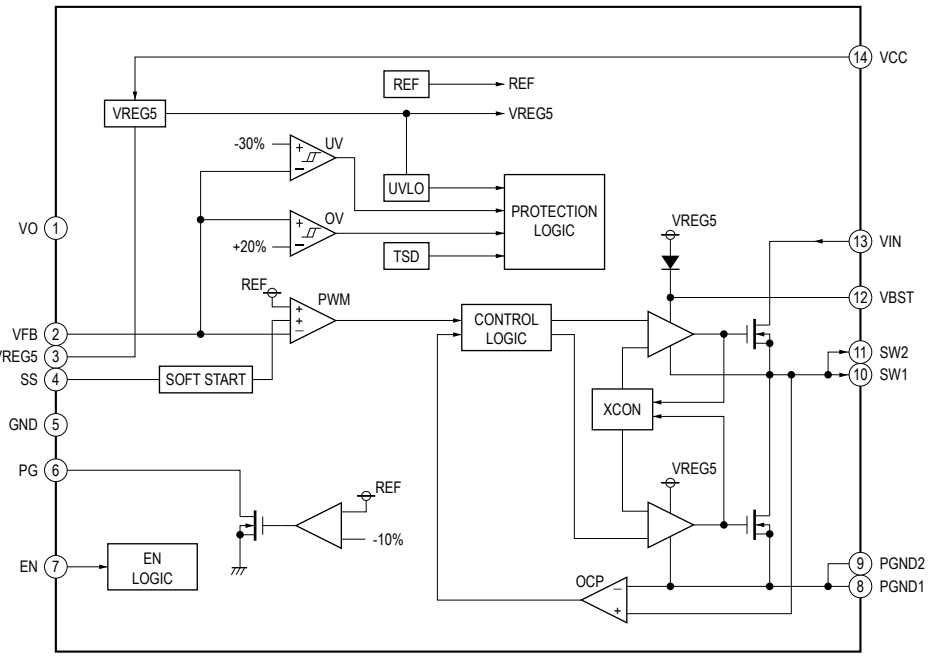
IC307 MM3293DNRE



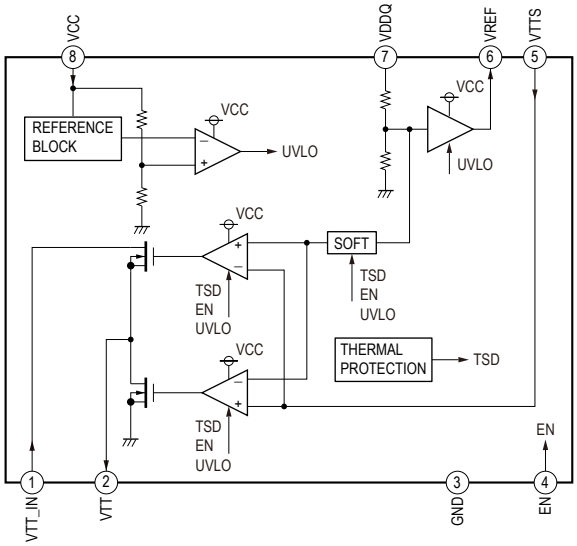
IC308 MP2301ENE-LF-Z



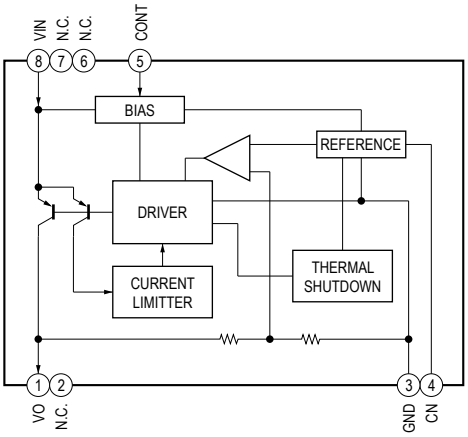
IC309, 310 TPS54325PWPR



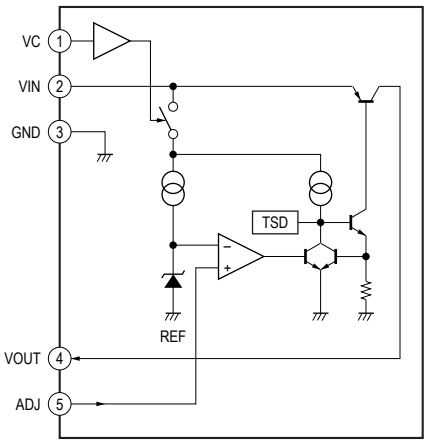
IC311 BD3539NUX-TR



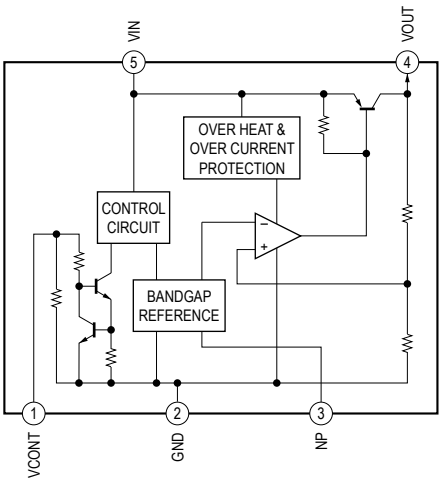
IC312 MM1855AHBE



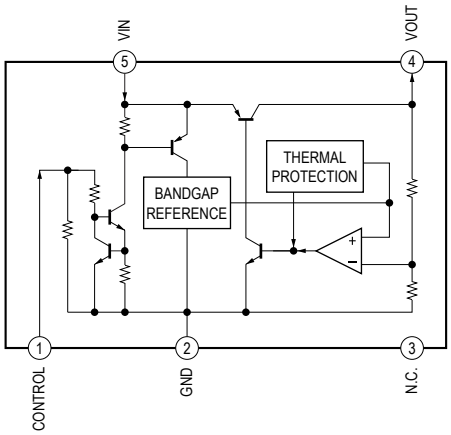
IC601, 602 SI-3010KM-TLS



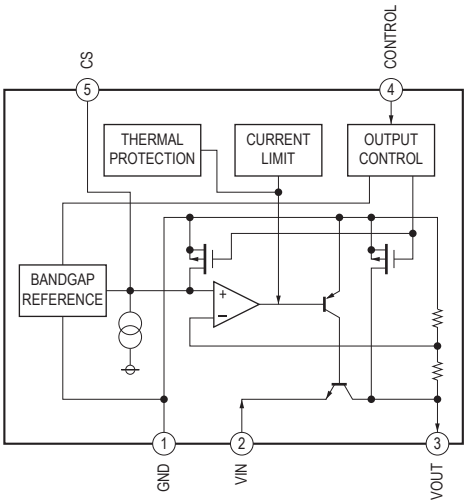
IC704 TK11133CSCL-G
IC705 TK11150CSCL-G



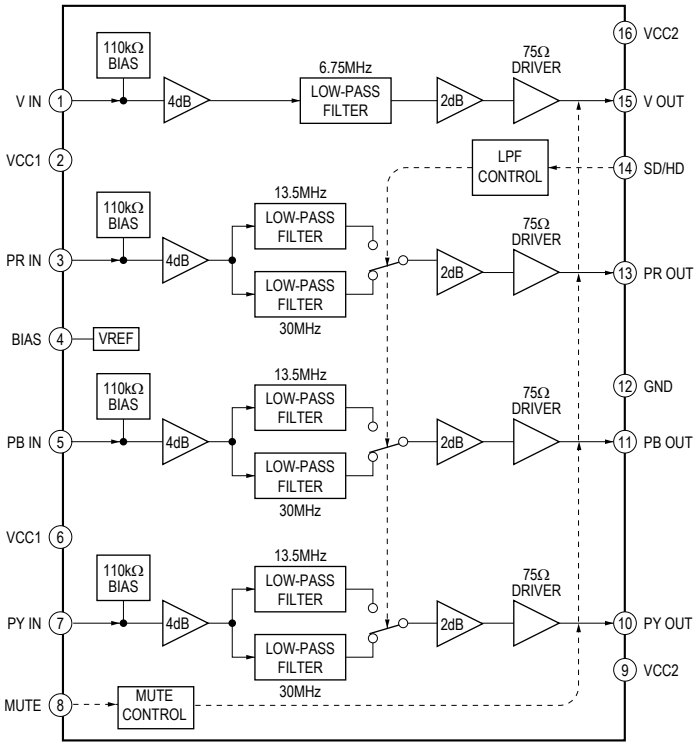
IC1001 NJM2878F3-33 (TE2)



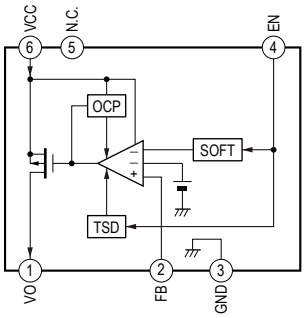
IC1002 NJM2828F3-05



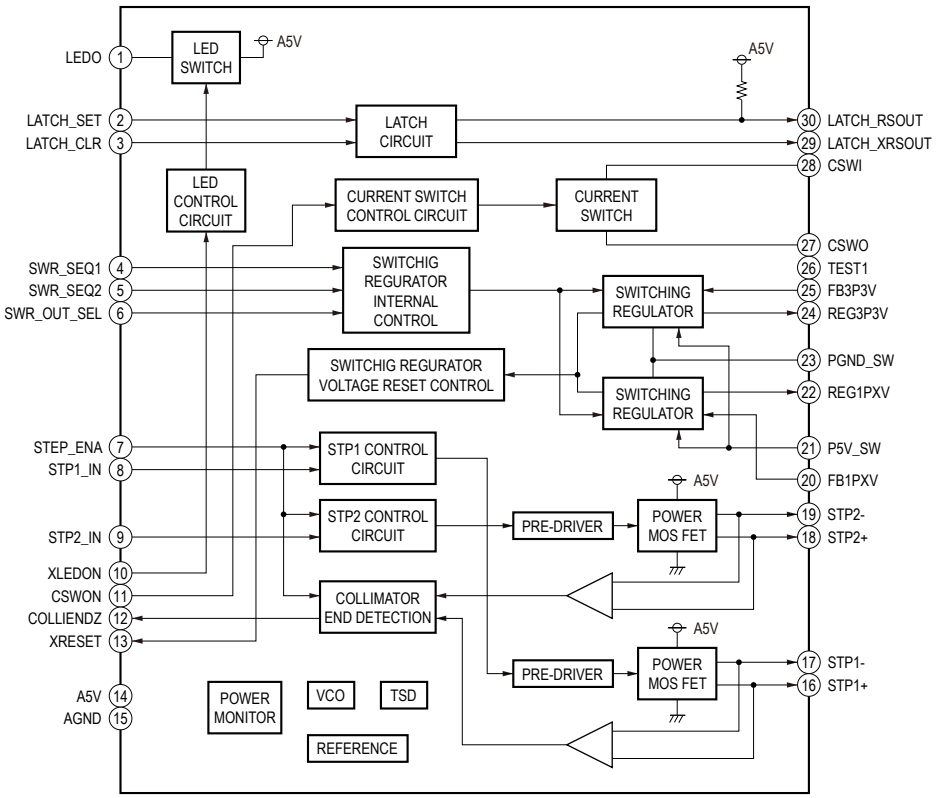
IC1003 MM1797CVBE



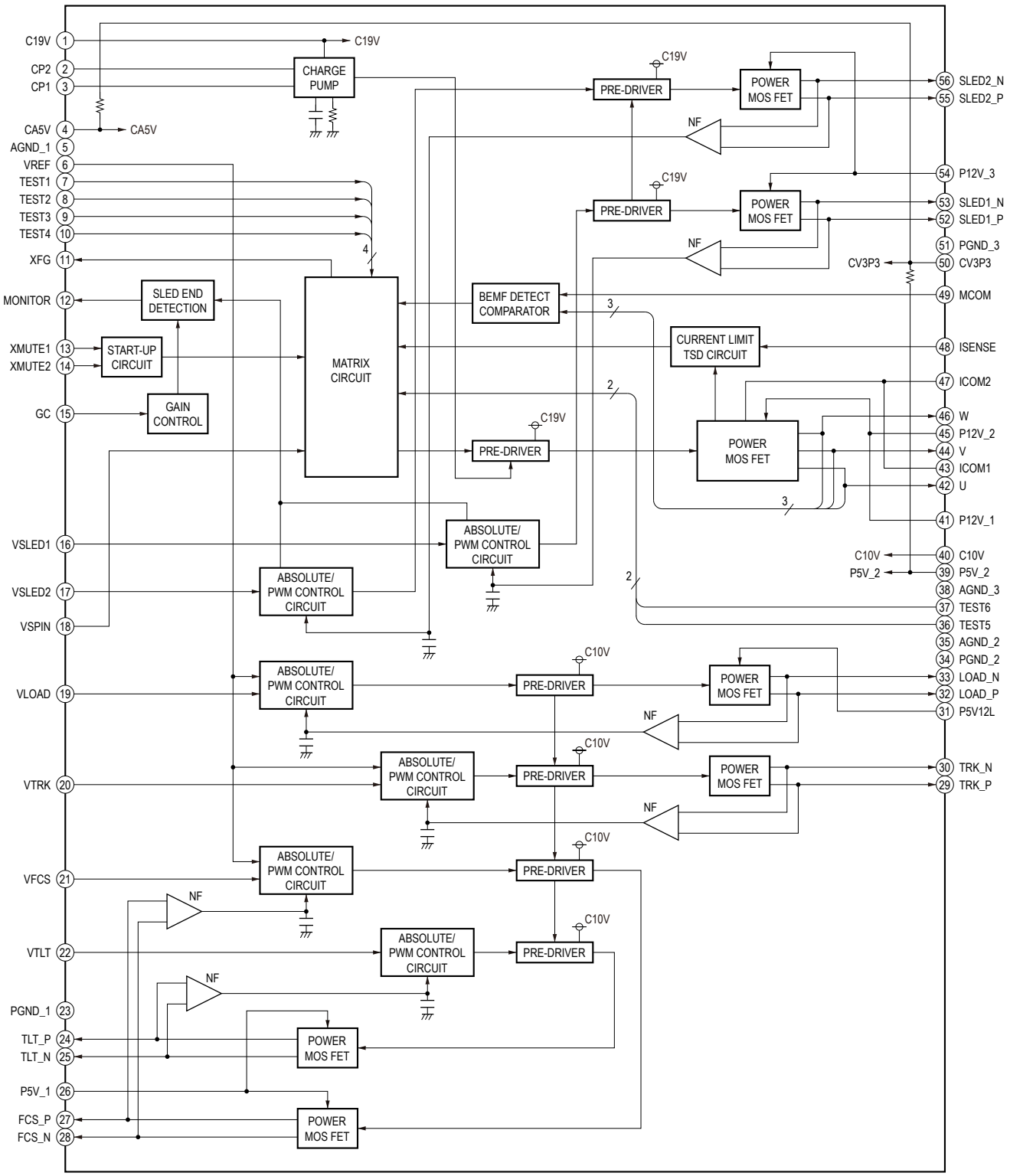
IC1451 BD35630HFV-TR



IC2301 TPIC1391DBTRG4

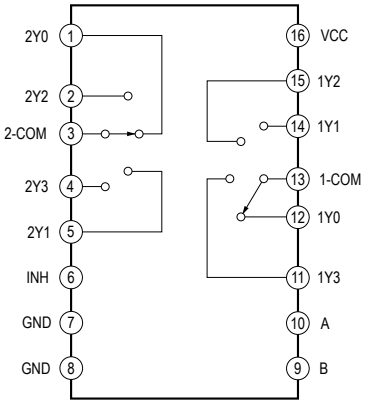


IC2401 TPIC1405DFDRG4

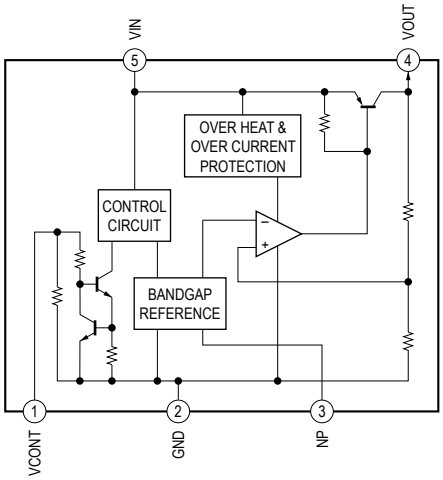


– AUDIO Board –

IC11, 12 MC14052BDTR2

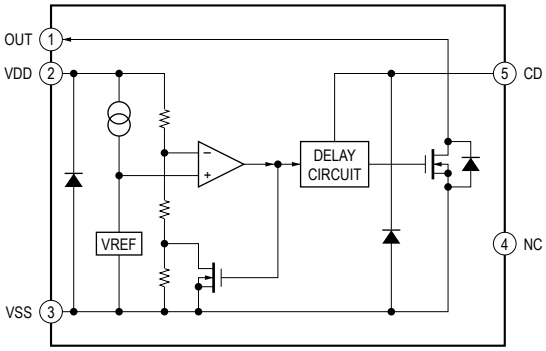


IC14 TK11190CSCL-G

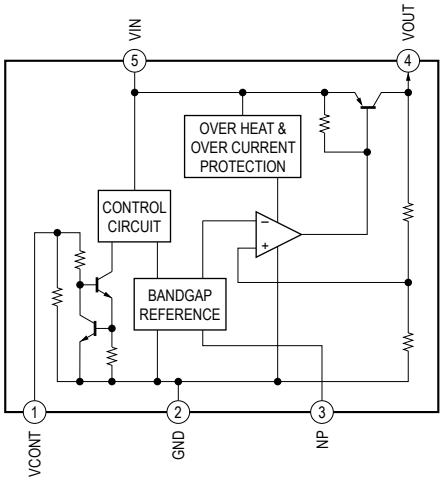


– MAIN Board –

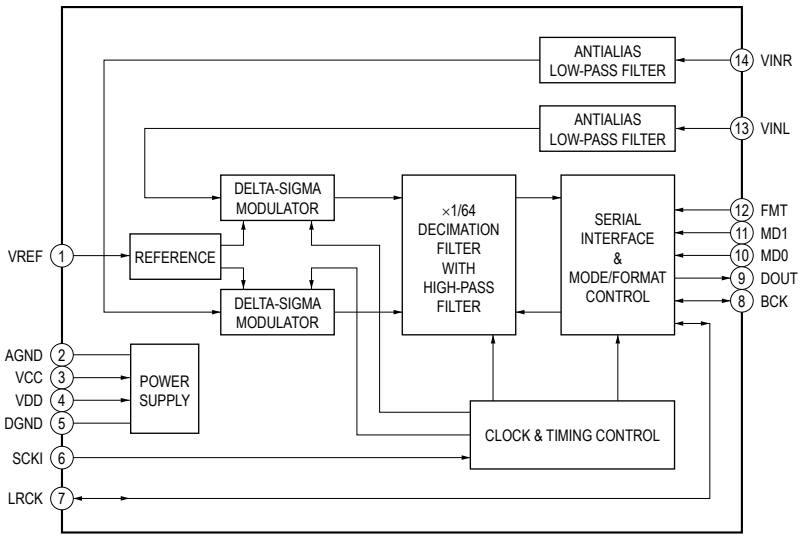
IC503 S-80935CNMC-G85T2G
IC506, 507 S-80929CNMC-G8ZT2G



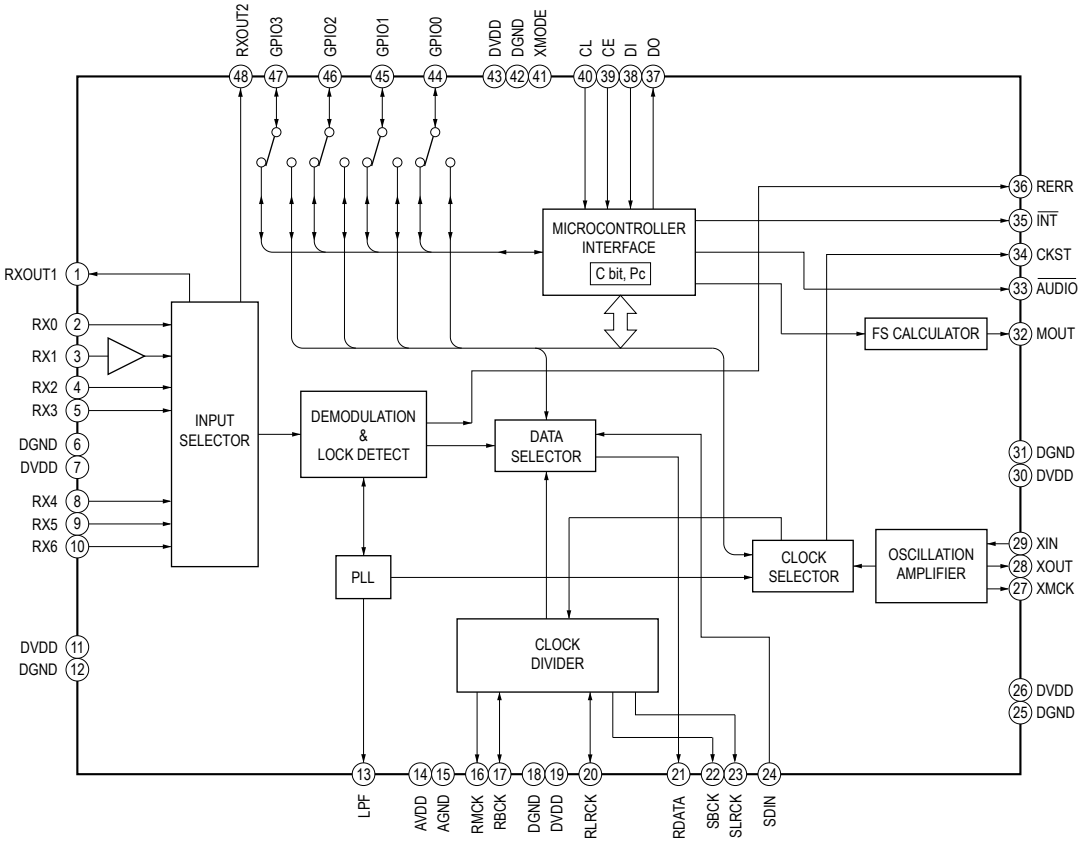
IC505, 508 TK11150CSCL-G



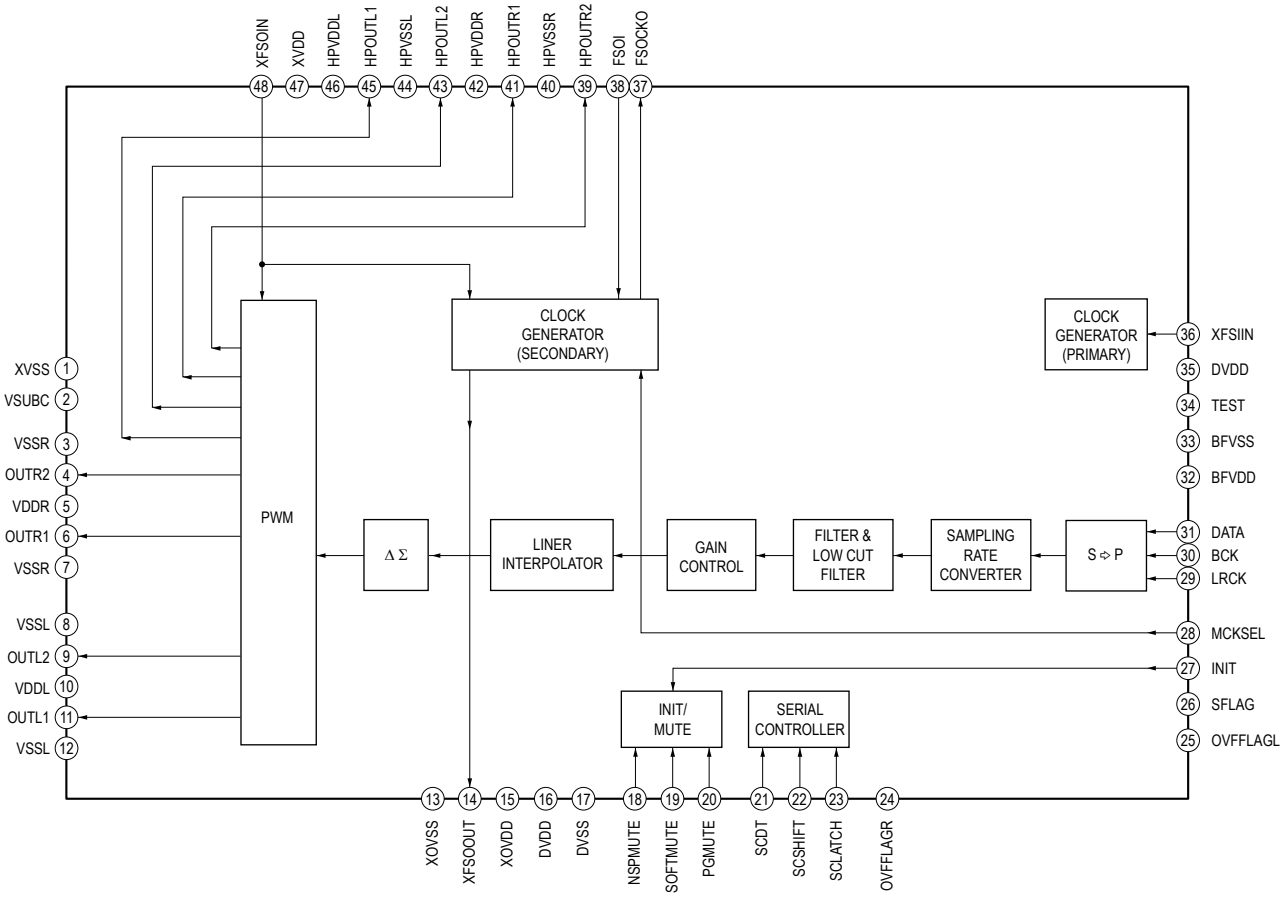
IC702 PCM1808PWR



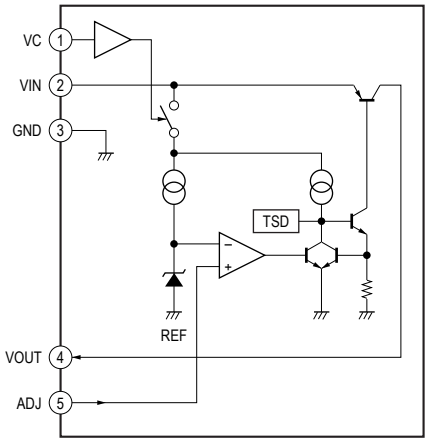
IC703 LC89058W-E



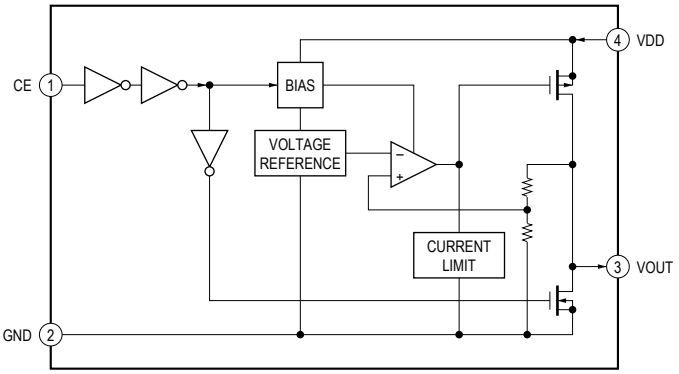
IC3010, 3020, 3030 CXD9788AR



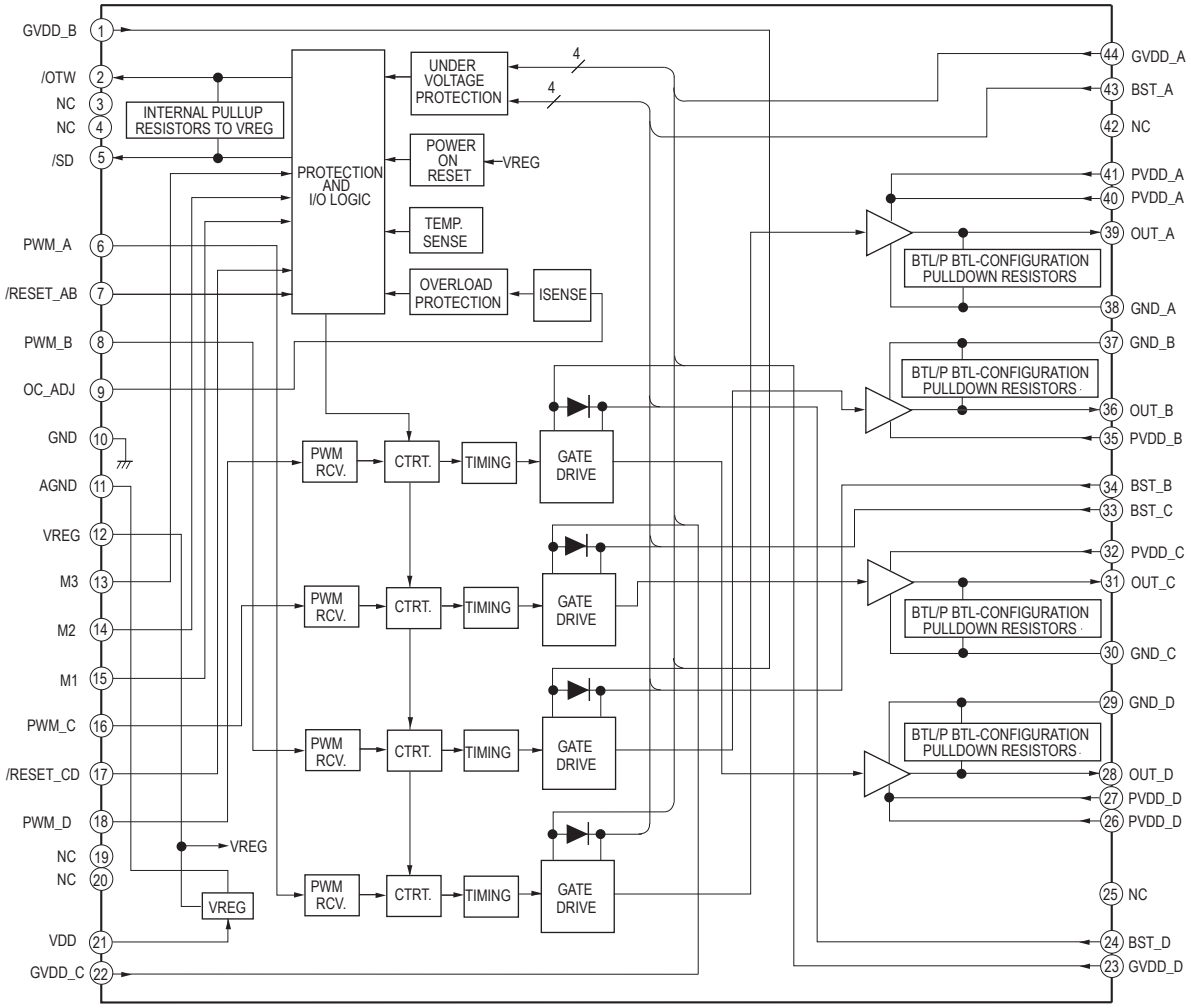
IC3011 SI-3010KM-TLS



IC3050 MM3404A18URE

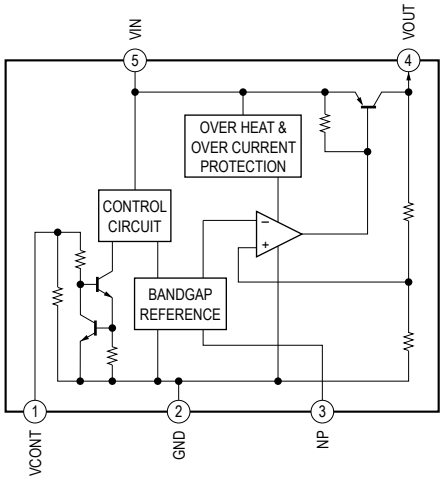


IC3100, 3200, 3400 CXD9981TN

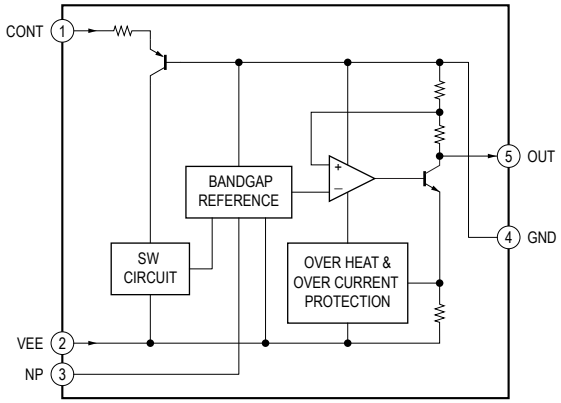


– REG Board –

IC400 TK11133CSCL-G

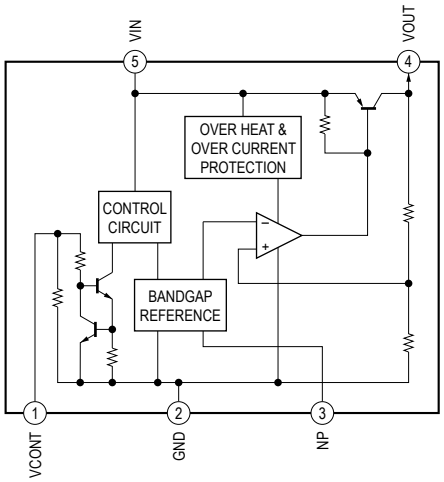


IC402 TK72270CSCL-GH

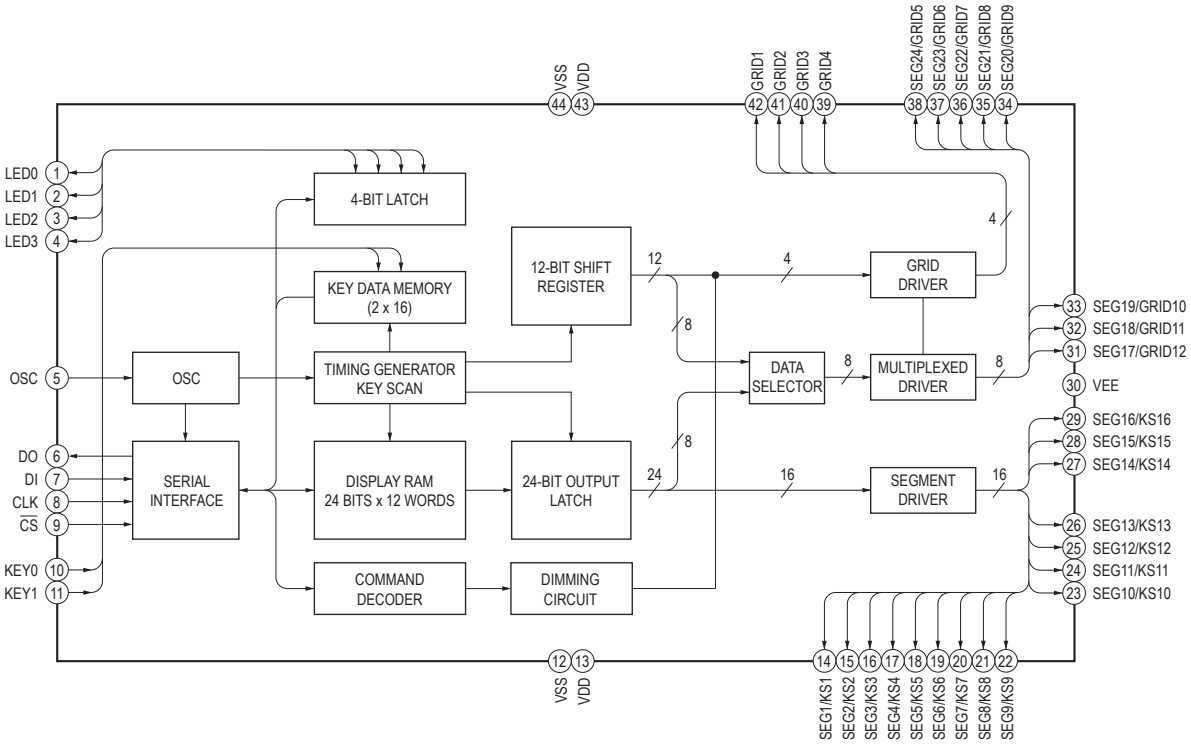


– FL Board –

IC801 TK11133CSCL-G



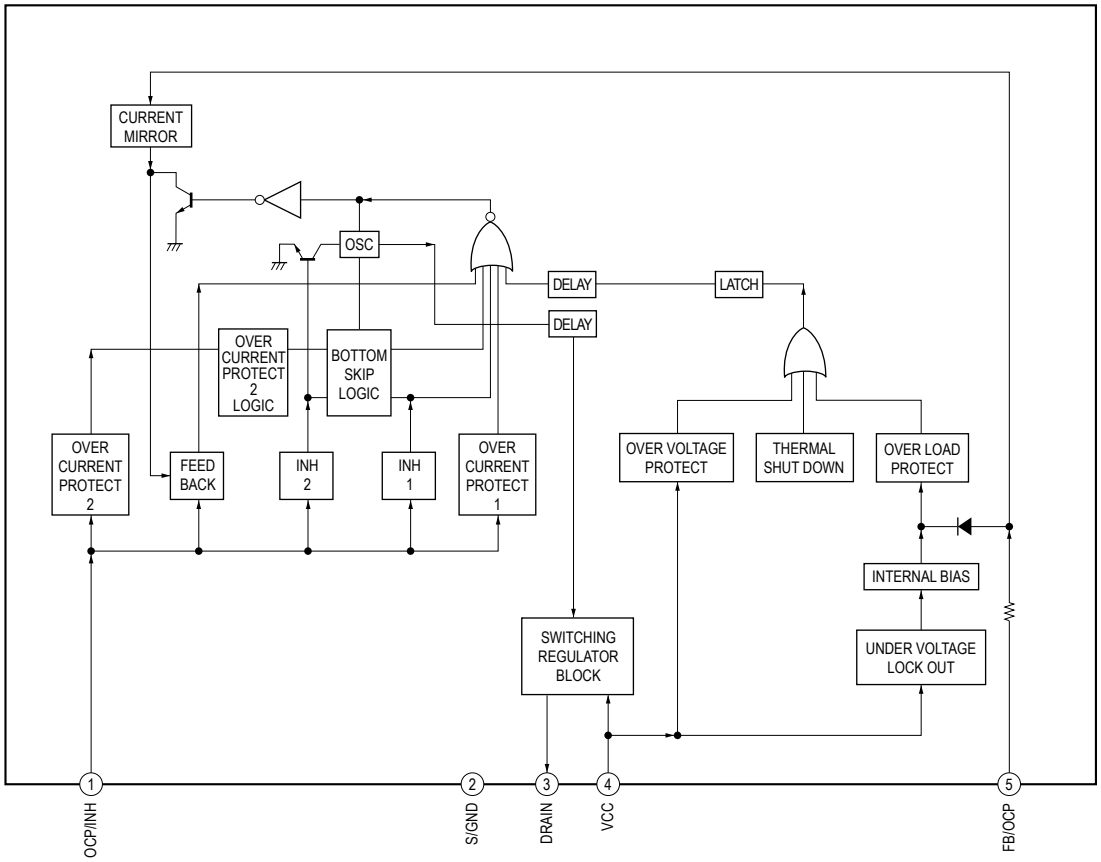
IC802 HT16515



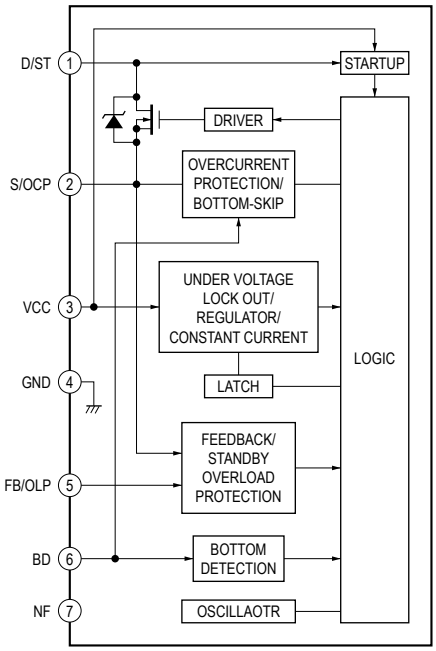
– POWER Board –

IC901 STR-F6138-LF1352 (E370: AEP, UK/E870: AEP, UK models)

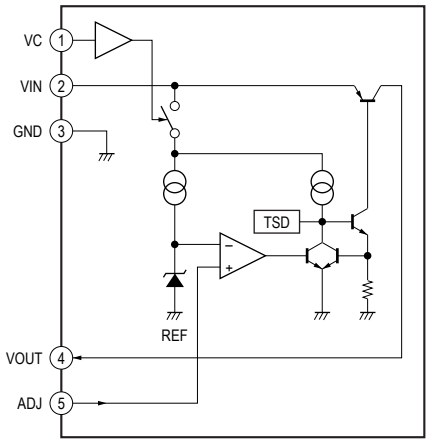
IC901 STR-F6168-LF1352 (Except E370: AEP, UK/E870: AEP, UK models)



IC921 STR-Y6763



IC941 SI-3010KM-TLS



• **IC Pin Function Description**

MB-134 BOARD IC101 CXD9983GG (E370: US/E470/E570/T57) (BD DECODER)
CXD9984GG (E370: Canadian, AEP, UK/E870) (BD DECODER)

Pin No.	Pin Name	I/O	Description
A1	FESFDO	I	Serial data input terminal for the front-end serial flash
A3	VOUTD1	-	Not used
A5	VOUTD5	-	Not used
A7	VOUTD9	-	Not used
A9	VOUTD12	-	Not used
A11	VIND0	O	Serial data transfer clock signal output to the digital audio interface receiver
A13	VIND12	I	CSFLAG signal input from the digital audio interface receiver
A15	VIND16	-	Not used
A17	GPIO1	I	Busy request signal input from the system controller
A19	SPDIF	O	Digital audio data output terminal Not used
A21	SPBCK	I	Bit clock signal input from the digital audio interface receiver
A23	AVDD12_27MPLL	-	Power supply terminal (+1.2V)
A25	NS_XTALI	O	System clock signal output terminal (27 MHz)
A27	CH1_M	O	TMDS data (negative) output to the HDMI ARC OUT connector
A29	CLK_M	O	TMDS clock signal (negative) output to the HDMI ARC OUT connector
A31	DACOUT4	O	Not used
A33	DACOUT1	O	Video signal (Pr/Cr) output terminal
A35	VCLK	O	Serial data transfer clock signal output to the system controller
A37	UARXD	-	Not used
A39	ETRXD3	I	Receive data input from the ethernet interface
A41	ETRXD0	I	Receive data input from the ethernet interface
A43	ETRXCLK	I	Receive clock signal input from the ethernet interface
B2	FESFCS	I	Chip select signal input terminal for the front-end serial flash
B4	VOUTD3	-	Not used
B6	VOUTD7	-	Not used
B8	VOUTD10	-	Not used
B10	VOUTD14	-	Not used
B12	VIND4	O	Reset signal output to the digital audio interface receiver
B14	VIND14	-	Not used
B16	VINHSYNC	-	Not used
B18	GPIO3	O	Power on/off control signal output terminal for the USB section
B20	SPLRCK	I	L/R sampling clock signal input from the digital audio interface receiver
B22	AOBCK	O	Bit clock signal output to the audio section
B24	AVDD12_DMPLL	-	Power supply terminal (+1.2V)
B26	CH2_M	O	TMDS data (negative) output to the HDMI ARC OUT connector
B28	CH0_M	O	TMDS data (negative) output to the HDMI ARC OUT connector
B30	EXT_CAP	-	Not used
B32	DACOUT3	O	Video signal (Pb/Cb) output terminal
B34	VDATA	I	Serial data input from the system controller
B36	IR	I	Error signal input from the digital audio interface receiver
B38	ETMDIO	I/O	Two-way data bus with the ethernet interface
B40	ETRXD1	I	Receive data input from the ethernet interface
B42	ETRXER	I	Receive error signal input from the ethernet interface
C1	FE_SFCLK	O	Serial data transfer clock signal output terminal for the front-end serial flash
C3	FESFDI	O	Serial data output terminal for the front-end serial flash
C5	VOUTD4	-	Not used
C7	VOUTD8	-	Not used
C9	VOUTD11	-	Not used
C11	VOUTD15	-	Not used
C13	VIND11	-	Not used
C15	VIND15	-	Not used
C17	GPIO0	O	Request signal output to the system controller
C19	GPIO2	I	Chip select signal input from the system controller
C21	SPMCLK	I	Master clock signal input from the digital audio interface receiver
C23	AOSDATA0	O	Digital audio data output to the power amp
C25	NS_XTALO	I	System clock signal input terminal (27 MHz)

Pin No.	Pin Name	I/O	Description
C27	CH1_P	O	TMDS data (positive) output to the HDMI ARC OUT connector
C29	CLK_P	O	TMDS clock signal (positive) output to the HDMI ARC OUT connector
C31	DACOUT5	O	Not used
C33	DACOUT2	O	Video signal (Y) output terminal
C35	MRESET_	O	Reset signal output terminal for the front-end power
C37	ETCOL	I	Collision detect signal input from the ethernet interface
C39	ETRXD2	I	Receive data input from the ethernet interface
C41	ETTXCLK	I	Transmit clock signal input from the ethernet interface
C43	ETTXD0	O	Transmit data output to the ethernet interface
D2	FE_GIO11	-	Not used
D4	FESFCK	I	Serial data transfer clock signal input terminal for the front-end serial flash
D6	VOUTD6	-	Not used
D8	VOUTD0	-	Not used
D10	VOUTD13	-	Not used
D12	VIND1	O	Serial data output to the digital audio interface receiver
D14	VIND13	-	Not used
D16	VINCLK	-	Not used
D18	VIND17	-	Not used
D20	AOSDATA5	O	Digital audio data output terminal Not used
D22	AOMCLK	O	Master clock signal output to the audio section
D24	AVDD12_APLL	-	Power supply terminal (+1.2V)
D26	CH2_P	O	TMDS data (positive) output to the HDMI ARC OUT connector
D28	CH0_P	O	TMDS data (positive) output to the HDMI ARC OUT connector
D30	DACOUT6	O	Video signal (CVBS) output terminal
D32	AVDD33_VDACBG	-	Power supply terminal (+3.3V)
D34	VSTB	-	Not used
D36	UATXD	-	Not used
D38	ETTXEN	O	Transmit enable signal output to the ethernet interface
D40	ETTXD1	O	Transmit data output to the ethernet interface
D42	ETTXD2	O	Transmit data output to the ethernet interface
E1	FE_SFDO	O	Serial data output terminal for the front-end serial flash
E3	FE_GIO2	-	Not used
E5	FE_GIO9	O	Clock signal output terminal for the SACD
E7	VOUTD2	-	Not used
E9	VOUTCLK1	-	Not used
E11	VOUTD16	-	Not used
E13	VOUTD19	-	Not used
E15	VIND2	I	Serial data input from the digital audio interface receiver
E17	VINVSYNC	-	Not used
E19	VIND19	I	Interrupt signal input from the digital audio interface receiver
E21	AOSDATA4	O	Digital audio data output to the S-AIR section
E23	AOLRCK	O	L/R sampling clock signal output to the audio section
E25	AVDD33_XTAL	-	Power supply terminal (+3.3V)
E27	TP_PLLG	-	Not used
E29	EXT_RES	-	Not used
E31	AVDD33_VDACR	-	Power supply terminal (+3.3V)
E33	DACFS	-	Not used
E35	RESET_	I	System reset signal input from the system controller
E37	ETTXER	O	Transmit error signal output to the ethernet interface
E39	ETTXD3	O	Transmit data output to the ethernet interface
E41	HDMISD	I/O	Two-way data bus with the HDMI ARC OUT connector
E43	CEC	-	Not used
F2	FE_SFDI	I	Serial data input terminal for the front-end serial flash
F4	FE_SFHOLD#	-	Not used
F6	NS_CKIN33	I	Clock signal input terminal for the SACD
F8	VOUTCLK2	-	Not used
F10	VOUTHSYNC	-	Not used
F12	VOUTD17	-	Not used
F14	VIND5	O	Power on/off control signal output terminal for the USB section
F16	VIND3	O	Chip enable signal output to the digital audio interface receiver

Pin No.	Pin Name	I/O	Description
F18	VIND7	-	Not used
F20	MCIN	I	Digital audio data input from the A/D converter
F22	AOSDATA3	O	Digital audio data output to the S-AIR section
F24	AVSS12_DMPLL	-	Ground terminal
F26	TN_PLLG	-	Not used
F28	AVSS33_HDMI	-	Ground terminal
F30	AVDD12_HDMI	-	Power supply terminal (+1.2V)
F32	AVSS33_VDACBG	-	Ground terminal
F34	OPWRSB	O	Power on/off control signal output to the system controller
F36	ETMDC	O	Serial data transfer clock signal output to the ethernet interface
F38	ETRXDV	I	Receive data valid signal input from the ethernet interface
F40	HDMISCK	I/O	Two-way clock bus with the HDMI ARC OUT connector
F42	SFDO	O	Serial data output to the serial flash
G1	FE_VRDC0	O	Voltage output terminal for automatic power control circuit
G3	FE_FG	I	Motor hole sensor signal input from the motor driver IC
G5	FE_GIO7	O	Laser diode on/off control signal output to the BD drive
G7	FE_JTCLK	-	Not used
G9	FE_GIO6	O	MODE C signal output to the BD drive
G11	VOUTVSYNC	-	Not used
G13	VOUTD18	-	Not used
G15	VIND8	O	Video format selection signal output to the video amplifier
G17	VIND10	-	Not used
G19	VIND18	I	PCM audio data input from the digital audio interface receiver
G21	SPDATA	I	Digital audio data input from the digital audio interface receiver
G23	AOSDATA1	O	Digital audio data output to the power amp and S-AIR section
G25	AVSS33_XTAL	-	Ground terminal
G27	AVSS33_HDMI	-	Ground terminal
G29	AVDD12_HDMI	-	Power supply terminal (+1.2V)
G31	AVDD33_VDACY	-	Power supply terminal (+3.3V)
G33	LCDRD	O	Serial data output to the system controller
G35	VCC3IO_STB	-	Power supply terminal (+3.3V)
G37	DVSS	-	Ground terminal
G39	HTPLG	I	Hot plug detection signal input from the HDMI ARC OUT connector
G41	SFCK	O	Serial data transfer clock signal output to the serial flash
G43	NFWEN	O	Write enable signal output to the NAND flash
H2	FE_JTDO	-	Not used
H4	NS_RFIN	I	SACD audio data (negative) input terminal
H6	FE_JTRST#	-	Not used
H8	FE_GIO10	-	Not used
H10	VCC3IO_3	-	Power supply terminal (+3.3V)
H12	VCC3IO_3	-	Power supply terminal (+3.3V)
H14	VIND6	O	Video muting on/off control signal output to the video amplifier
H16	DVSS	-	Ground terminal
H18	VCC3IO_3	-	Power supply terminal (+3.3V)
H20	AMUTE	O	Muting on/off control signal output terminal Not used
H22	AOSDATA2	O	Digital audio data output to the power amp
H24	AVSS12_APLL	-	Ground terminal
H26	AVDD33_HDMI	-	Power supply terminal (+3.3V)
H28	AVSS12_HDMI	-	Ground terminal
H30	AVSS33_VDACY	-	Ground terminal
H32	AVSS33_VDACR	-	Ground terminal
H34	ETCRS	I	Carrier sense signal input from the ethernet interface
H36	DVSS	-	Ground terminal
H38	AVDD10_LDO	-	Power supply terminal (+1.0V)
H40	SFDI	I	Serial data input from the serial flash
H42	NFD0	I/O	Two-way data bus with the NAND flash
J1	FE_HAVC	O	Reference voltage output to the BD drive
J3	FE_MPXOUT3	-	Not used
J5	FE_GIO5	O	MODE B signal output to the BD drive
J7	FE_GIO4	O	MODE A signal output to the BD drive

Pin No.	Pin Name	I/O	Description
J9	DVSS	-	Ground terminal
J11	DVSS	-	Ground terminal
J13	DVSS	-	Ground terminal
J15	VCC3IO_3	-	Power supply terminal (+3.3V)
J17	VIND9	-	Not used
J19	DVSS	-	Ground terminal
J21	VCC3IO_PWM	-	Power supply terminal (+3.3V)
J23	DVSS	-	Ground terminal
J25	AVSS12_27MPLL	-	Ground terminal
J27	AVDD33_HDMI	-	Power supply terminal (+3.3V)
J29	AVSS12_HDMI	-	Ground terminal
J33	VCC3IO_STB	-	Power supply terminal (+3.3V)
J37	AVDD33_LDO	-	Power supply terminal (+3.3V)
J39	SFCS	O	Chip select signal output to the serial flash
J41	NFD1	I/O	Two-way data bus with the NAND flash
J43	NFD2	I/O	Two-way data bus with the NAND flash
K2	FE_MPXOUT2	O	Digital audio data output terminal for the SACD
K4	FE_EQBIAS	-	Not used
K6	FE_SFCS#	O	Chip select signal output terminal for the front-end serial flash
K8	NS_RFIP	I	SACD audio data (positive) input terminal
K34	DVSS	-	Ground terminal
K36	AVSS33_LDO	-	Ground terminal
K38	NFCLE	O	Command latch enable signal output to the NAND flash
K40	NFD3	I/O	Two-way data bus with the NAND flash
K42	NFD4	I/O	Two-way data bus with the NAND flash
L1	FE_VWDC3O	-	Not used
L3	FE_VDAC0	-	Not used
L5	FE_MPXOUT1	O	Digital audio data output terminal for the SACD
L7	FE_SFWP#	-	Not used
L9	FE_GIO8	-	Not used
L35	VCC3IO_2	-	Power supply terminal (+3.3V)
L37	NFALE	O	Address latch enable signal output to the NAND flash
L39	NFCEN2	O	Chip enable signal output terminal Not used
L41	NFD5	I/O	Two-way data bus with the NAND flash
L43	NFD6	I/O	Two-way data bus with the NAND flash
M2	FE_VWDC2O	-	Not used
M4	FE_AUX1	I	Monitoring signal input from the BD drive
M6	FE_RSTI	I	Reset signal input terminal for the front-end power
M8	FE_MVDDO	-	Power supply terminal (+3.3V)
M10	FE_MVDDO	-	Power supply terminal (+3.3V)
M36	NFREN	O	Read enable signal output to the NAND flash
M38	NFCEN	O	Chip enable signal output to the NAND flash
M40	NFD7	I/O	Two-way data bus with the NAND flash
M42	B_REXTDN	-	Not used
N1	FE_INB	O	Main beam (B) input from the BD drive
N3	FE_TRINC	-	Not used
N5	FE_VFVREF	-	Not used
N7	FE_DVDD33O	-	Power supply terminal (+3.3V)
N9	FE_DVDD33O	-	Power supply terminal (+3.3V)
N11	FE_DVDD33O	-	Power supply terminal (+3.3V)
N35	VCC3IO_2	-	Power supply terminal (+3.3V)
N37	DVSS	-	Ground terminal
N39	DVSS	-	Ground terminal
N41	B_RCLK1	O	Clock signal (positive) output to the SD-RAM
N43	B_RCLK1B	O	Clock signal (negative) output to the SD-RAM
P2	FE_INA	O	Main beam (A) input from the BD drive
P4	FE_TRINA	-	Not used
P6	FE_VWDC1O	-	Not used
P8	FE_AVDD12_1	-	Power supply terminal (+1.2V)
P10	FE_DVDD33O	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
P12	DVSS	-	Ground terminal
P14	DVSS	-	Ground terminal
P36	NFRBN2	O	Ready/busy selection signal output terminal Not used
P38	NFRBN	O	Ready/busy selection signal output to the NAND flash
P40	VCC2IO	-	Power supply terminal (+1.8V)
P42	VCC2IO	-	Power supply terminal (+1.8V)
R1	FE_ING	O	Sub beam (G) input from the BD drive
R3	FE_INC	O	Main beam (C) input from the BD drive
R5	FE_TRINB	-	Not used
R7	FE_TRIND	-	Not used
R9	FE_AVDD12_2	-	Power supply terminal (+1.2V)
R35	DVSS	-	Ground terminal
R37	B_RDQ25	I/O	Two-way data bus with the SD-RAM
R39	B_RDQ30	I/O	Two-way data bus with the SD-RAM
R41	B_RDQ29	I/O	Two-way data bus with the SD-RAM
R43	B_RDQ26	I/O	Two-way data bus with the SD-RAM
T2	FE_INH	O	Sub beam (H) input from the BD drive
T4	FE_FPDODVD	I	Laser power monitor signal input from the BD drive
T6	FE_IND	O	Main beam (D) input from the BD drive
T8	FE_DVDD12I	-	Power supply terminal (+1.2V)
T10	FE_DVDD12I	-	Power supply terminal (+1.2V)
T12	DVSS	-	Ground terminal
T14	DVSS	-	Ground terminal
T36	B_RDQ28	I/O	Two-way data bus with the SD-RAM
T38	B_RDQ27	I/O	Two-way data bus with the SD-RAM
T40	B_RDQ24	I/O	Two-way data bus with the SD-RAM
T42	B_RDQ31	I/O	Two-way data bus with the SD-RAM
U1	FE_INF	O	Sub beam (F) input from the BD drive
U3	FE_FOIN	-	Not used
U5	FE_FPDOCD	-	Not used
U7	FE_V14	O	Reference voltage (+1.4V) output for the motor drive circuit
U9	FE_AVDD33	-	Power supply terminal (+3.3V)
U11	FE_DVDD12I	-	Power supply terminal (+1.2V)
U13	DVSS	-	Ground terminal
U15	DVSS	-	Ground terminal
U35	DVSS	-	Ground terminal
U37	DVSS	-	Ground terminal
U39	DVSS	-	Ground terminal
U41	B_RDQS3B	O	Data strobe signal (negative) output to the SD-RAM
U43	B_RDQS3	O	Data strobe signal (positive) output to the SD-RAM
V2	FE_FOIP	-	Not used
V4	FE_REG_CAP	-	Not used
V6	FE_INE	O	Sub beam (E) input from the BD drive
V8	FE_AVDD33	-	Power supply terminal (+3.3V)
V10	FE_DVDD12I	-	Power supply terminal (+1.2V)
V12	DVSS	-	Ground terminal
V14	DVSS	-	Ground terminal
V36	B_RDQM3	O	Data mask signal output to the SD-RAM
V38	B_RDQM2	O	Data mask signal output to the SD-RAM
V40	VCC2IO	-	Power supply terminal (+1.8V)
V42	VCC2IO	-	Power supply terminal (+1.8V)
W1	FE_RFIP2	I	DVD RF signal (positive) input from the BD drive
W3	FE_RFIN2	I	DVD RF signal (negative) input from the BD drive
W5	FE_AGND	-	Ground terminal
W7	FE_AGND	-	Ground terminal
W9	FE_AVDD33	-	Power supply terminal (+3.3V)
W11	FE_DVDD12I	-	Power supply terminal (+1.2V)
W13	DVSS	-	Ground terminal
W15	DVSS	-	Ground terminal
W21	VCCK	-	Power supply terminal (+1.1V)

Pin No.	Pin Name	I/O	Description
W23	VCCK	-	Power supply terminal (+1.1V)
W25	VCCK	-	Power supply terminal (+1.1V)
W27	VCCK_PWM	-	Power supply terminal (+1.1V)
W29	VCCK	-	Power supply terminal (+1.1V)
W31	VCCK	-	Power supply terminal (+1.1V)
W35	VCC2IO	-	Power supply terminal (+1.8V)
W37	B_RDQ18	I/O	Two-way data bus with the SD-RAM
W39	B_RDQ21	I/O	Two-way data bus with the SD-RAM
W41	B_RDQS2	O	Data strobe signal (positive) output to the SD-RAM
W43	B_RDQS2B	O	Data strobe signal (negative) output to the SD-RAM
Y2	FE_RFIP	I	BD RF signal (positive) input from the BD drive
Y4	FE_RFIN	I	BD RF signal (negative) input from the BD drive
Y6	FE_LVDS_1N	-	Not used
Y8	FE_AGND	-	Ground terminal
Y10	FE_DVDD12I	-	Power supply terminal (+1.2V)
Y14	DVSS	-	Ground terminal
Y20	VCCK	-	Power supply terminal (+1.1V)
Y22	DVSS	-	Ground terminal
Y24	DVSS	-	Ground terminal
Y26	DVSS	-	Ground terminal
Y28	DVSS	-	Ground terminal
Y30	DVSS	-	Ground terminal
Y32	VCCK	-	Power supply terminal (+1.1V)
Y36	B_RDQ23	I/O	Two-way data bus with the SD-RAM
Y38	B_RDQ16	I/O	Two-way data bus with the SD-RAM
Y40	B_RDQ20	I/O	Two-way data bus with the SD-RAM
Y42	B_RDQ22	I/O	Two-way data bus with the SD-RAM
AA1	FE_LVDS_2P	-	Not used
AA3	FE_LVDS_2N	-	Not used
AA5	FE_LVDS_1P	-	Not used
AA7	FE_AGND	-	Ground terminal
AA9	FE_AVDD33_LVDS	-	Power supply terminal (+3.3V)
AA21	DVSS	-	Ground terminal
AA23	VCCK	-	Power supply terminal (+1.1V)
AA25	VCCK	-	Power supply terminal (+1.1V)
AA27	VCCK	-	Power supply terminal (+1.1V)
AA29	VCCK	-	Power supply terminal (+1.1V)
AA31	DVSS	-	Ground terminal
AA35	DVSS	-	Ground terminal
AA37	DVSS	-	Ground terminal
AA39	DVSS	-	Ground terminal
AA41	B_RDQ17	I/O	Two-way data bus with the SD-RAM
AA43	B_RDQ19	I/O	Two-way data bus with the SD-RAM
AB2	FE_LVDS_4N	-	Not used
AB4	FE_LVDS_3N	-	Not used
AB6	FE_LVDS_5N	-	Not used
AB8	FE_AVDD12_3	-	Power supply terminal (+1.2V)
AB10	FE_DVDD33O	-	Power supply terminal (+3.3V)
AB12	FE_DVDD33O	-	Power supply terminal (+3.3V)
AB20	VCCK	-	Power supply terminal (+1.1V)
AB22	VCCK	-	Power supply terminal (+1.1V)
AB24	DVSS	-	Ground terminal
AB26	DVSS	-	Ground terminal
AB28	DVSS	-	Ground terminal
AB30	VCCK	-	Power supply terminal (+1.1V)
AB32	VCCK	-	Power supply terminal (+1.1V)
AB36	B_RVREF	I	Reference voltage (+0.9V) input terminal for the SD-RAM
AB40	VCC2IO	-	Power supply terminal (+1.8V)
AB42	VCC2IO	-	Power supply terminal (+1.8V)
AC1	FE_LVDS_4P	-	Not used

Pin No.	Pin Name	I/O	Description
AC3	FE_LVDS_3P	-	Not used
AC5	FE_LVDS_5P	-	Not used
AC7	FE_AVDD12_4	-	Power supply terminal (+1.2V)
AC9	FE_DVDD33O	-	Power supply terminal (+3.3V)
AC21	DVSS	-	Ground terminal
AC23	DVSS	-	Ground terminal
AC25	DVSS	-	Ground terminal
AC27	DVSS	-	Ground terminal
AC29	DVSS	-	Ground terminal
AC31	DVSS	-	Ground terminal
AC37	B_RA5	O	Address signal output to the SD-RAM
AC39	B_RBA2	O	Bank address signal output to the SD-RAM
AC41	B_RCKE	O	Clock enable signal output to the SD-RAM
AC43	B_RWEB	O	Write enable signal output to the SD-RAM
AD2	FE_CFREQ	I/O	Serial data input/output with the BD drive
AD4	FE_FOO	O	Motor drive signal output to the motor driver IC
AD6	FE_GAINSW2	O	Read/write gain switch dignal output to the motor driver IC
AD8	FE_GIO0	O	Motor drive muting on/off control signal output to the motor driver IC
AD20	VCCK	-	Power supply terminal (+1.1V)
AD22	VCCK	-	Power supply terminal (+1.1V)
AD24	DVSS	-	Ground terminal
AD26	DVSS	-	Ground terminal
AD28	DVSS	-	Ground terminal
AD30	VCCK	-	Power supply terminal (+1.1V)
AD32	VCCK	-	Power supply terminal (+1.1V)
AD36	B_RBA1	O	Bank address signal output to the SD-RAM
AD38	B_RA9	O	Address signal output to the SD-RAM
AD40	B_RBA0	O	Bank address signal output to the SD-RAM
AD42	B_RCSB	O	Chip select signal output to the SD-RAM
AE1	FE_FMO	O	Motor drive signal output to the motor driver IC
AE3	FE_TRAYPWM	O	Motor drive signal output to the motor driver IC
AE5	FE_GAINSW1	O	Read/write gain switch dignal output to the motor driver IC
AE7	FE_OSOEN	O	Serial data transfer clock signal output to the BD drive
AE9	FE_GIO12	-	Not used
AE21	DVSS	-	Ground terminal
AE23	DVSS	-	Ground terminal
AE25	DVSS	-	Ground terminal
AE27	DVSS	-	Ground terminal
AE29	DVSS	-	Ground terminal
AE31	DVSS	-	Ground terminal
AE35	DVSS	-	Ground terminal
AE37	DVSS	-	Ground terminal
AE39	DVSS	-	Ground terminal
AE41	B_RA12	O	Address signal output to the SD-RAM
AE43	B_RA7	O	Address signal output to the SD-RAM
AF2	FE_DMO	O	Motor drive signal output to the motor driver IC
AF4	FE_FMO2	O	Motor drive signal output to the motor driver IC
AF6	FE_FMO4	O	Motor drive signal output to the motor driver IC
AF8	FE_CMOD	O	Serial interface commande enable signal output to the BD drive
AF20	VCCK	-	Power supply terminal (+1.1V)
AF22	VCCK	-	Power supply terminal (+1.1V)
AF24	DVSS	-	Ground terminal
AF26	DVSS	-	Ground terminal
AF28	DVSS	-	Ground terminal
AF30	VCCK	-	Power supply terminal (+1.1V)
AF32	VCCK	-	Power supply terminal (+1.1V)
AF36	B_RA10	O	Address signal output to the SD-RAM
AF38	B_RA1	O	Address signal output to the SD-RAM
AF40	VCC2IO	-	Power supply terminal (+1.8V)
AF42	VCC2IO	-	Power supply terminal (+1.8V)

Pin No.	Pin Name	I/O	Description
AG1	FE_GIO3	-	Not used
AG3	FE_LIMIT	I	Sledge innner limit signal input from the motor driver IC
AG5	FE_GAINSW3	-	Not used
AG7	FE_FMO3	O	Motor drive signal output to the motor driver IC
AG9	FE_GIO1	O	Motor drive muting on/off control signal output to the motor driver IC
AG21	DVSS	-	Ground terminal
AG23	DVSS	-	Ground terminal
AG25	DVSS	-	Ground terminal
AG27	DVSS	-	Ground terminal
AG29	DVSS	-	Ground terminal
AG31	DVSS	-	Ground terminal
AG37	B_RA2	O	Address signal output to the SD-RAM
AG39	B_RA6	O	Address signal output to the SD-RAM
AG41	B_RODT	O	On die termination enable signal output to the SD-RAM
AG43	B_RA0	O	Address signal output to the SD-RAM
AH2	FE_PLAY#	-	Not used
AH4	FE_EJECT#	I	Eject/stop key input from the system controller
AH6	FE_TRO	O	Motor drive signal output to the motor driver IC
AH8	FE_FSOURCE	-	Not used
AH20	VCCK	-	Power supply terminal (+1.1V)
AH22	VCCK	-	Power supply terminal (+1.1V)
AH24	DVSS	-	Ground terminal
AH26	DVSS	-	Ground terminal
AH28	DVSS	-	Ground terminal
AH30	VCCK	-	Power supply terminal (+1.1V)
AH32	VCCK	-	Power supply terminal (+1.1V)
AH36	B_RA8	O	Address signal output to the SD-RAM
AH38	B_RA11	O	Address signal output to the SD-RAM
AH40	B_RCASB	O	Column address strobe signal output to the SD-RAM
AH42	B_RA4	O	Address signal output to the SD-RAM
AJ1	FE_XTAL25MO	-	Not used
AJ3	FE_XTAL25MI	I	System clock signal input terminal (25 MHz)
AJ5	FE_TRAYIN#	I	Disc tray in detection signal input terminal
AJ7	DVSS_XTAL	-	Ground terminal
AJ9	VCLK25MI	O	System clock signal output terminal (25 MHz)
AJ21	DVSS	-	Ground terminal
AJ23	VCCK	-	Power supply terminal (+1.1V)
AJ25	VCCK	-	Power supply terminal (+1.1V)
AJ27	VCCK	-	Power supply terminal (+1.1V)
AJ29	VCCK	-	Power supply terminal (+1.1V)
AJ31	DVSS	-	Ground terminal
AJ35	DVSS	-	Ground terminal
AJ37	DVSS	-	Ground terminal
AJ39	DVSS	-	Ground terminal
AJ41	B_RRASB	O	Row address strobe signal output to the SD-RAM
AJ43	B_RA3	O	Address signal output to the SD-RAM
AK2	USB_DM0	I/O	USB differential serial data (negative) input/output with the USB connector (rear side)
AK4	FE_TRAYOUT	I	Disc tray out detection signal input terminal
AK6	AVSS12_USB	-	Ground terminal
AK8	AVDD12_USB	-	Power supply terminal (+1.2V)
AK20	VCCK	-	Power supply terminal (+1.1V)
AK22	DVSS	-	Ground terminal
AK24	DVSS	-	Ground terminal
AK26	DVSS	-	Ground terminal
AK28	DVSS	-	Ground terminal
AK30	DVSS	-	Ground terminal
AK32	VCCK	-	Power supply terminal (+1.1V)
AK36	B_RDQ9	I/O	Two-way data bus with the SD-RAM
AK38	B_RA13	O	Address signal output to the SD-RAM
AK40	VCC2IO	-	Power supply terminal (+1.8V)

Pin No.	Pin Name	I/O	Description
AK42	VCC2IO	-	Power supply terminal (+1.8V)
AL1	USB_DP0	I/O	USB differential serial data (positive) input/output with the USB connector (rear side)
AL3	USB_DM1	I/O	USB differential serial data (negative) input/output with the USB connector (front side)
AL5	AVSS33_USB	-	Ground terminal
AL7	FE_SVDD33	-	Power supply terminal (+3.3V)
AL21	VCCK	-	Power supply terminal (+1.1V)
AL23	VCCK	-	Power supply terminal (+1.1V)
AL25	VCCK	-	Power supply terminal (+1.1V)
AL27	VCCK	-	Power supply terminal (+1.1V)
AL29	VCCK	-	Power supply terminal (+1.1V)
AL31	VCCK	-	Power supply terminal (+1.1V)
AL35	VCC2IO	-	Power supply terminal (+1.8V)
AL37	B_RDQ11	I/O	Two-way data bus with the SD-RAM
AL39	B_RDQ14	I/O	Two-way data bus with the SD-RAM
AL41	B_RCLK0B	O	Clock signal (negative) output to the SD-RAM
AL43	B_RCLK0	O	Clock signal (positive) output to the SD-RAM
AM2	USB_DP1	I/O	USB differential serial data (positive) input/output with the USB connector (front side)
AM4	USB_VRT	-	Not used
AM6	FE_SXVDD33	-	Power supply terminal (+3.3V)
AM8	FE_TLO	O	Motor drive signal output to the motor driver IC
AM36	B_RDQM1	O	Data mask signal output to the SD-RAM
AM38	B_RDQ12	I/O	Two-way data bus with the SD-RAM
AM40	B_RDQ10	I/O	Two-way data bus with the SD-RAM
AM42	B_RDQ13	I/O	Two-way data bus with the SD-RAM
AN1	FE_STXP	O	SATA channel 1 RX differential pair signal (positive) output terminal
AN3	AVDD33_USB	-	Power supply terminal (+3.3V)
AN5	FE_SAGND	-	Ground terminal
AN7	FE_SPLLVDD12	-	Power supply terminal (+1.2V)
AN35	DVSS	-	Ground terminal
AN37	DVSS	-	Ground terminal
AN39	DVSS	-	Ground terminal
AN41	B_RDQ15	I/O	Two-way data bus with the SD-RAM
AN43	B_RDQ8	I/O	Two-way data bus with the SD-RAM
AP2	FE_STXN	O	SATA channel 1 RX differential pair signal (negative) output terminal
AP4	CORE_RESETB	I	System reset signal input from the system controller
AP6	FE_STXVDD12	-	Power supply terminal (+1.2V)
AP8	FE_AVDD12_RX	-	Power supply terminal (+1.2V)
AP36	B_RDQ7	I/O	Two-way data bus with the SD-RAM
AP38	B_RDQM0	O	Data mask signal output to the SD-RAM
AP40	VCC2IO	-	Power supply terminal (+1.8V)
AP42	VCC2IO	-	Power supply terminal (+1.8V)
AR1	FE_SRXP	I	SATA channel 1 TX differential pair signal (positive) input terminal
AR3	FE_SRXN	I	SATA channel 1 TX differential pair signal (negative) input terminal
AR5	RTCRBIAS	-	Not used
AR7	AVDD12_ADC	-	Power supply terminal (+1.2V)
AR17	DVSS	-	Ground terminal
AR19	VCC2IO	-	Power supply terminal (+1.8V)
AR25	DVSS	-	Ground terminal
AR29	DVSS	-	Ground terminal
AR31	VCC2IO	-	Power supply terminal (+1.8V)
AR37	B_RDQ6	I/O	Two-way data bus with the SD-RAM
AR39	B_RDQ0	I/O	Two-way data bus with the SD-RAM
AR41	B_RDQS1B	O	Data strobe signal (negative) output to the SD-RAM
AR43	B_RDQS1	O	Data strobe signal (positive) output to the SD-RAM
AT2	XI_RTC	I	Not used
AT4	XO_RTC	O	Not used
AT6	AVSS12_ADC	-	Ground terminal
AT10	FE_GIO13	-	Not used
AT12	SCL	I/O	Two-way clock bus with the EEPROM
AT14	DVSS	-	Ground terminal

Pin No.	Pin Name	I/O	Description
AT16	A_RDQ5	I/O	Two-way data bus with the SD-RAM
AT18	A_RDQM0	O	Data mask signal output to the SD-RAM
AT20	A_RDQ11	I/O	Two-way data bus with the SD-RAM
AT22	DVSS	-	Ground terminal
AT24	A_RA11	O	Address signal output to the SD-RAM
AT26	A_RA1	O	Address signal output to the SD-RAM
AT28	A_RBA2	O	Bank address signal output to the SD-RAM
AT30	A_RVREF	I	Reference voltage (+0.9V) input terminal for the SD-RAM
AT32	A_RDQ23	I/O	Two-way data bus with the SD-RAM
AT34	DVSS	-	Ground terminal
AT36	DVSS	-	Ground terminal
AT38	B_RDQ5	I/O	Two-way data bus with the SD-RAM
AT40	B_RDQS0	O	Data strobe signal (positive) output to the SD-RAM
AT42	B_RDQS0B	O	Data strobe signal (negative) output to the SD-RAM
AU1	AVDD33_RTC	-	Power supply terminal (+3.3V)
AU3	AVSS33_RTC	-	Ground terminal
AU5	AVDD33_SACD	-	Power supply terminal (+3.3V)
AU7	AVDD33_ST	-	Power supply terminal (+3.3V)
AU9	AVSS12_ST2	-	Ground terminal
AU11	EEPWRQ	-	Not used
AU13	VCC3IO_1	-	Power supply terminal (+3.3V)
AU15	A_RDQ3	I/O	Two-way data bus with the SD-RAM
AU17	DVSS	-	Ground terminal
AU19	A_RDQ9	I/O	Two-way data bus with the SD-RAM
AU21	DVSS	-	Ground terminal
AU23	A_RCASB	O	Column address strobe signal output to the SD-RAM
AU25	DVSS	-	Ground terminal
AU27	A_RBA1	O	Bank address signal output to the SD-RAM
AU29	DVSS	-	Ground terminal
AU31	A_RDQ21	I/O	Two-way data bus with the SD-RAM
AU33	DVSS	-	Ground terminal
AU35	A_RDQM3	O	Data mask signal output to the SD-RAM
AU37	A_RDQ27	I/O	Two-way data bus with the SD-RAM
AU39	DVSS	-	Ground terminal
AU41	B_RDQ3	I/O	Two-way data bus with the SD-RAM
AU43	B_RDQ2	I/O	Two-way data bus with the SD-RAM
AV2	FE_JRTCLK	-	Not used
AV4	AVSS33_SACD	-	Ground terminal
AV6	AVDD12_SRX1	-	Power supply terminal (+1.2V)
AV8	AVSS12_ST1	-	Ground terminal
AV10	AVDD12_ST	-	Power supply terminal (+1.2V)
AV12	GPIO6	O	UPG status signal output to the system controller
AV14	SDA	I/O	Two-way data bus with the EEPROM
AV16	A_RDQ0	I/O	Two-way data bus with the SD-RAM
AV18	A_RDQM1	O	Data mask signal output to the SD-RAM
AV20	A_RDQ14	I/O	Two-way data bus with the SD-RAM
AV22	A_RA13	O	Address signal output to the SD-RAM
AV24	A_RCSB	O	Chip select signal output to the SD-RAM
AV26	A_RA2	O	Address signal output to the SD-RAM
AV28	A_RA5	O	Address signal output to the SD-RAM
AV30	NC	-	Not used
AV32	A_RDQ16	I/O	Two-way data bus with the SD-RAM
AV34	A_RDQM2	O	Data mask signal output to the SD-RAM
AV36	A_RDQ25	I/O	Two-way data bus with the SD-RAM
AV38	A_RDQ30	I/O	Two-way data bus with the SD-RAM
AV40	VCC2IO	-	Power supply terminal (+1.8V)
AV42	VCC2IO	-	Power supply terminal (+1.8V)
AW1	FE_JTMS	-	Not used
AW3	FE_JTDI	-	Not used
AW5	AVDD12_STX1	-	Power supply terminal (+1.2V)

Pin No.	Pin Name	I/O	Description
AW7	AVDD12_SRX2	-	Power supply terminal (+1.2V)
AW9	AVSS12_ST2	-	Ground terminal
AW11	GPIO5	-	Not used
AW13	DVSS	-	Ground terminal
AW15	A_RDQ1	I/O	Two-way data bus with the SD-RAM
AW17	DVSS	-	Ground terminal
AW19	A_RDQ12	I/O	Two-way data bus with the SD-RAM
AW21	DVSS	-	Ground terminal
AW23	A_RODT	O	On die termination enable signal output to the SD-RAM
AW25	DVSS	-	Ground terminal
AW27	A_RA9	O	Address signal output to the SD-RAM
AW29	DVSS	-	Ground terminal
AW31	A_RDQ18	I/O	Two-way data bus with the SD-RAM
AW33	DVSS	-	Ground terminal
AW35	A_RDQ28	I/O	Two-way data bus with the SD-RAM
AW37	DVSS	-	Ground terminal
AW39	A_AVDD12_MEMPLL	-	Power supply terminal (+1.2V)
AW41	B_RDQ4	I/O	Two-way data bus with the SD-RAM
AW43	B_RDQ1	I/O	Two-way data bus with the SD-RAM
AY2	NS_TSTN	-	Not used
AY4	SRXP_2	I	SATA channel 2 RX differential pair signal (positive) input terminal Not used
AY6	AVDD12_STX2	-	Power supply terminal (+1.2V)
AY8	AVSS33_XTAL25M	-	Ground terminal
AY10	GPIO4	-	Not used
AY12	TRST	-	Not used
AY14	VCC2IO	-	Power supply terminal (+1.8V)
AY16	A_RDQS0	O	Data strobe signal (positive) output to the SD-RAM
AY18	VCC2IO	-	Power supply terminal (+1.8V)
AY20	A_RDQ8	I/O	Two-way data bus with the SD-RAM
AY22	VCC2IO	-	Power supply terminal (+1.8V)
AY24	A_RA4	O	Address signal output to the SD-RAM
AY26	VCC2IO	-	Power supply terminal (+1.8V)
AY28	A_RA10	O	Address signal output to the SD-RAM
AY30	VCC2IO	-	Power supply terminal (+1.8V)
AY32	A_RDQ22	I/O	Two-way data bus with the SD-RAM
AY34	VCC2IO	-	Power supply terminal (+1.8V)
AY36	A_RDQ24	I/O	Two-way data bus with the SD-RAM
AY38	VCC2IO	-	Power supply terminal (+1.8V)
AY40	A_AVSS12_MEMPLL	-	Ground terminal
AY42	DVSS	-	Ground terminal
BA1	NS_TSTP	-	Not used
BA3	STXN_1	O	SATA channel 1 TX differential pair signal (negative) output terminal
BA5	STXN_2	O	SATA channel 2 TX differential pair signal (negative) output terminal Not used
BA7	RREF	-	Not used
BA9	XTAL25MO	O	System clock signal output terminal (25 MHz)
BA11	TCK	-	Not used
BA13	A_RDQ4	I/O	Two-way data bus with the SD-RAM
BA15	A_RDQ6	I/O	Two-way data bus with the SD-RAM
BA17	A_RDQS1B	O	Data strobe signal (negative) output to the SD-RAM
BA19	A_RDQ15	I/O	Two-way data bus with the SD-RAM
BA21	A_RCLK0B	O	Clock signal (negative) output to the SD-RAM
BA23	A_RA8	O	Address signal output to the SD-RAM
BA25	A_RA12	O	Address signal output to the SD-RAM
BA27	A_RA7	O	Address signal output to the SD-RAM
BA29	A_RCKE	O	Clock enable signal output to the SD-RAM
BA31	A_RDQ20	I/O	Two-way data bus with the SD-RAM
BA33	A_RDQS2	O	Data strobe signal (positive) output to the SD-RAM
BA35	A_RDQS3B	O	Data strobe signal (negative) output to the SD-RAM
BA37	A_RDQ26	I/O	Two-way data bus with the SD-RAM
BA39	A_RCLK1	O	Clock signal (positive) output to the SD-RAM

Pin No.	Pin Name	I/O	Description
BA41	DVSS	-	Ground terminal
BA43	VCC2IO	-	Power supply terminal (+1.8V)
BB2	SRXN_1	I	SATA channel 1 RX differential pair signal (negative) input terminal
BB4	SRXN_2	I	SATA channel 2 RX differential pair signal (negative) input terminal Not used
BB6	SVCTST	-	Not used
BB8	XTAL25MI	I	System clock signal input terminal (25 MHz)
BB10	TDO	-	Not used
BB12	TDI	-	Not used
BB14	VCC2IO	-	Power supply terminal (+1.8V)
BB16	A_RDQS0B	O	Data strobe signal (negative) output to the SD-RAM
BB18	VCC2IO	-	Power supply terminal (+1.8V)
BB20	A_RDQ10	I/O	Two-way data bus with the SD-RAM
BB22	VCC2IO	-	Power supply terminal (+1.8V)
BB24	A_RRASB	O	Row address strobe signal output to the SD-RAM
BB26	VCC2IO	-	Power supply terminal (+1.8V)
BB28	A_RBA0	O	Bank address signal output to the SD-RAM
BB30	VCC2IO	-	Power supply terminal (+1.8V)
BB32	A_RDQ17	I/O	Two-way data bus with the SD-RAM
BB34	VCC2IO	-	Power supply terminal (+1.8V)
BB36	A_RDQ31	I/O	Two-way data bus with the SD-RAM
BB38	VCC2IO	-	Power supply terminal (+1.8V)
BB40	A_TP_MEMPLL	-	Not used
BB42	VCC2IO	-	Power supply terminal (+1.8V)
BC1	SRXP_1	I	SATA channel 1 RX differential pair signal (positive) input terminal
BC3	STXP_1	O	SATA channel 1 TX differential pair signal (positive) output terminal
BC5	STXP_2	O	SATA channel 2 TX differential pair signal (positive) output terminal Not used
BC7	AVDD33_XTAL25M	-	Power supply terminal (+3.3V)
BC9	GPIO7	-	Not used
BC11	TMS	-	Not used
BC13	A_RDQ2	I/O	Two-way data bus with the SD-RAM
BC15	A_RDQ7	I/O	Two-way data bus with the SD-RAM
BC17	A_RDQS1	O	Data strobe signal (positive) output to the SD-RAM
BC19	A_RDQ13	I/O	Two-way data bus with the SD-RAM
BC21	A_RCLK0	O	Clock signal (positive) output to the SD-RAM
BC23	A_RA0	O	Address signal output to the SD-RAM
BC25	A_RA6	O	Address signal output to the SD-RAM
BC27	A_RA3	O	Address signal output to the SD-RAM
BC29	A_RWEB	O	Write enable signal output to the SD-RAM
BC31	A_RDQ19	I/O	Two-way data bus with the SD-RAM
BC33	A_RDQS2B	O	Data strobe signal (negative) output to the SD-RAM
BC35	A_RDQS3	O	Data strobe signal (positive) output to the SD-RAM
BC37	A_RDQ29	I/O	Two-way data bus with the SD-RAM
BC39	A_RCLK1B	O	Clock signal (negative) output to the SD-RAM
BC41	A_TN_MEMPLL	-	Not used
BC43	A_REXTDN	-	Not used

MB-134 BOARD IC1201 LAN8700C-AEZG-CTI (ETHERNET INTERFACE)

Pin No.	Pin Name	I/O	Description
1	TX_ER	I	Transmit error signal input from the BD decoder
2	MDC	I	Serial data transfer clock signal input from the BD decoder
3	CRS	O	Carrier sense signal output to the BD decoder
4	MDIO	I/O	Two-way data bus with the BD decoder
5	nRST	I	Reset signal input from the system controller
6	TX_EN	I	Transmit enable signal input from the BD decoder
7	VDD33	-	Power supply terminal (+3.3V)
8	VDD_CORE	-	Power supply terminal (+1.8V) Not used
9 to 12	PA0 to PA3	-	Not used
13	XTAL2	O	System clock output terminal (25 MHz)
14	REFCLK	I	System clock input terminal (25 MHz)
15 to 18	RXD3 to RXD0	O	Receive data output to the BD decoder
19	RX_DV	O	Receive data valid signal output to the BD decoder
20	RX_CLK	O	Receive clock signal output to the BD decoder
21	RX_ER	O	Receive error signal output to the BD decoder
22	TX_CLK	O	Transmit clock signal output to the BD decoder
23, 24	TXD0, TXD1	I	Transmit data input from the BD decoder
25	VDDIO	-	Power supply terminal (+3.3V)
26, 27	TXD2, TXD3	I	Transmit data input from the BD decoder
28	TXN	O	Serial data (negative) output to the ethernet connector
29	TXP	O	Serial data (positive) output to the ethernet connector
30	VDDA3.3	-	Power supply terminal (+3.3V) (analog system)
31	RXN	I	Serial data (negative) input from the ethernet connector
32	RXP	I	Serial data (positive) input from the ethernet connector
33	VDDA3.3	-	Power supply terminal (+3.3V) (analog system)
34	EXRES1	I	Reference resistor connection terminal
35	VDDA3.3	-	Power supply terminal (+3.3V) (analog system)
36	COL	O	Collision detect signal output to the BD decoder

MAIN BOARD IC501 R5F364AMDFA (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	DAMP_SCDT/DIR_DI	O	Serial data output to the stream processor
2	DAMP_SHIFT/ DIR_CL	O	Serial data transfer clock signal output to the stream processor
3	FL_CS	O	Chip select signal output to the fluorescent indicator tube driver
4	SIRCS_IN	I	SIRCS signal input from the remote control receiver
5	FL_DOUT	O	Serial data output to the fluorescent indicator tube driver
6	CEC_RX_IN	-	Not used
7	FL_CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube driver
8	BYTE	I	External data bus width selection signal input terminal
9	CNVss	I	Processor mode selection signal input terminal
10	Xcin	I	Sub system clock input terminal Not used
11	Xcout	O	Sub system clock output terminal Not used
12	RESET	I	System reset signal input from the reset signal generator
13	Xout	O	Main system clock output terminal (6 MHz)
14	Vss	-	Ground terminal
15	Xin	I	Main system clock input terminal (6 MHz)
16	Vcc	-	Power supply terminal (+3.3V)
17	CEC (TX/RX)	I/O	CEC serial data input/output with the HDMI ARC OUT connector
18	NO USE	-	Not used
19	KEY_INT	I	Key wake-up signal input terminal
20	AC_CUT	I	AC cut detection signal input terminal
21	BD_IF_START	O	Busy request signal output to the BD decoder
22	ST_DO	I	Serial data input from the tuner (FM)
23	ST_CLK	O	Serial data transfer clock signal output to the tuner (FM)
24	ST_DI	O	Serial data output to the tuner (FM)
25	BD_IF_REQ	I	Request signal input from the BD decoder
26	CEC_TX_OUT	-	Not used
27	PCONT_FL	O	Power on/off control signal output terminal for the front panel section
28	LED_PWM	O	LED drive signal output terminal
29	S-AIR_SDA	I/O	Two-way I2C data bus with the wireless transceiver
30	S-AIR_SCL	O	I2C clock signal output to the wireless transceiver
31	TXD1	-	Not used
32	RXD1	-	Not used
33	S-AIR_GPIO2	I	Interrupt signal input from the wireless transceiver
34	S-AIR_ADC_SEL	O	Data selection signal output terminal for S-AIR section
35	BD_RESET	O	Reset signal output to the BD decoder, NAND flash, EEPROM and ethernet interface
36	BD_CS	O	Chip select signal output to the BD decoder
37 to 39	BD_PCONT1 to BD_CONT3	O	Power on/off control signal output terminal for the BD section
40	BD_PCONT4	O	Power on/off control signal output terminal Not used
41, 42	BD_PCONT5, BD_CONT6	O	Power on/off control signal output terminal for the BD section
43	P_CONT1	O	Power on/off control signal output terminal
44	FAN_ON	O	Power on/off control signal output terminal for the FAN motor
45	FAN_CONT	O	FAN motor on/off control signal output terminal
46	CE	-	Not used
47	BD_BDI	O	Serial data output to the BD decoder
48	BD_BDO	I	Serial data input from the BD decoder
49	BD_SCLK	I	Serial data transfer clock signal input from the BD decoder
50	DRIVER_RST (EN)	O	Reset signal output to the power amplifier
51, 52	OVERFLOW1, OVERFLOW2	O	Overflow detection signal input from the stream processor
53	DAMP_INT	O	Reset signal output to the stream processor
54	DAMP_SOFT_MUTE	O	Soft muting on/off control signal output to stream processor
55 to 57	DAMP_LATCH1 to DAMP_LATCH3	O	Serial data latch pulse signal output to the stream processor
58 to 61	NO USE	-	Not used
62	Vcc	-	Power supply terminal (+3.3V)
63	S-AIR_SRC_RST	O	Reset signal output to the S-AIR section
64	Vss	-	Ground terminal

Pin No.	Pin Name	I/O	Description
65	MIC_DET	I	Calibration microphone connection detection signal input terminal
66	DC_DET	I	Over load detection signal input terminal
67	DRIVER_SD/ PVDD_DET	I	Shut down signal input from the power amplifier
68	A.CAL_OUT	I	AUdio signal output detection signal input terminal
69 to 73	NO USE	-	Not used
74	RDS_DATA	I	RDS serial data input from the tuner (FM) (E370: AEP, UK/E870: AEP, UK models only)
75	RDS_CLK	I	RDS serial data transfer clock signal input from the tuner (FM) (E370: AEP, UK/E870: AEP, UK models only)
76	ST_CE	O	Chip enable signal output to the tuner (FM)
77	TUNED	I	Tuned detection signal input from the tuner (FM)
78 to 80	ASEL_0 to ASEL_2	O	Audio selection signal output terminal
81	CPU_PRERST	O	Reset signal output to the serial flash
82	CORE_RST	-	Not used
83	NSPMUTE	O	NSP muting on/off control signal output to stream processor
84	JIG_MODE	-	Noy used
85	OPWRSB	I	Power on/off control signal BD decoder
86	FE_EJECT	O	Eject/stop key output to the BD decoder
87	UPG_STATUS	I	UPG status signal input from the BD decoder
88	VBUS_DET	-	Noy used
89	Acal_Lv	I	Auto calibration microphone signal input terminal
90	S-AIR_ID_SW	-	Not used
91	BD_TEMP	I	Temperature detection signal input terminal
92	DESTINATION	I	Destination setting terminal
93	MODEL	I	Model setting terminal
94, 95	KEY2, KEY1	I	Key input terminal for front panel keys
96	Vss	-	Ground terminal
97	KEY0	I	Key input terminal for front panel keys
98	Vref	I	Reference voltage (+3.3V) input terminal
99	Vcc	-	Power supply terminal (+3.3V)
100	NO USE	-	Not used

SECTION 6
EXPLODED VIEWS

Note:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  CND : Canadian model

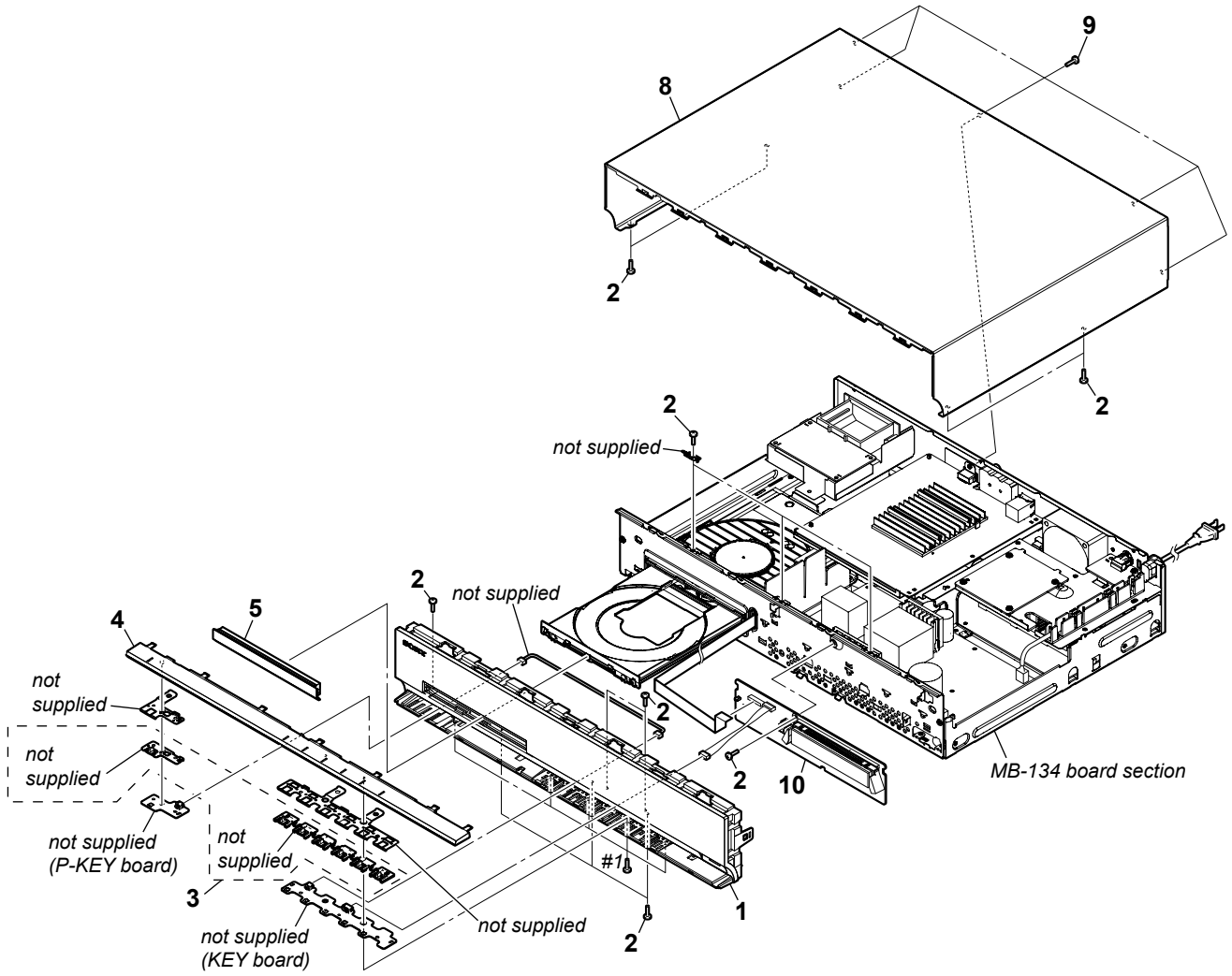
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

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

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

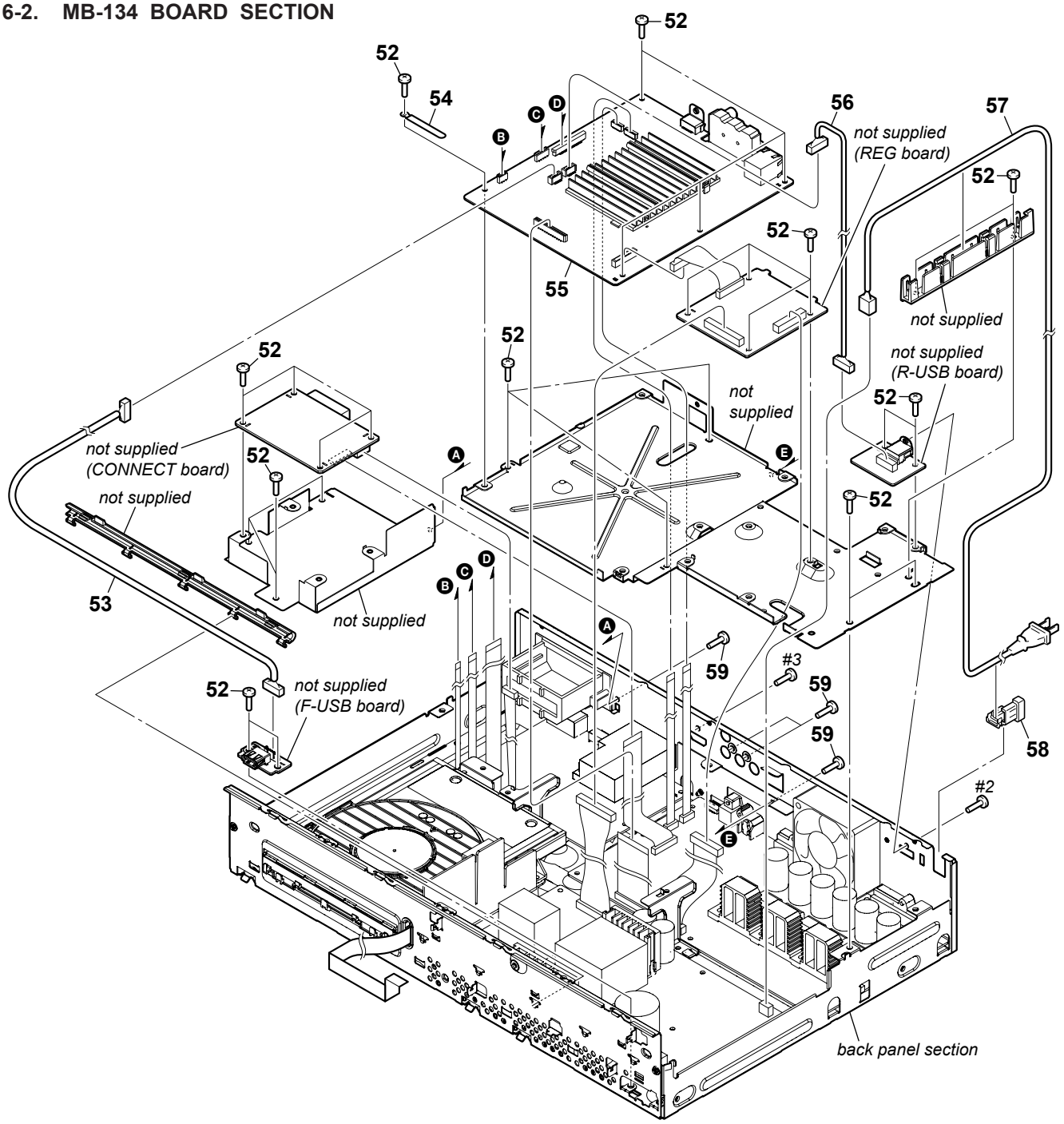
Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

6-1. CASE, FRONT PANEL SECTION



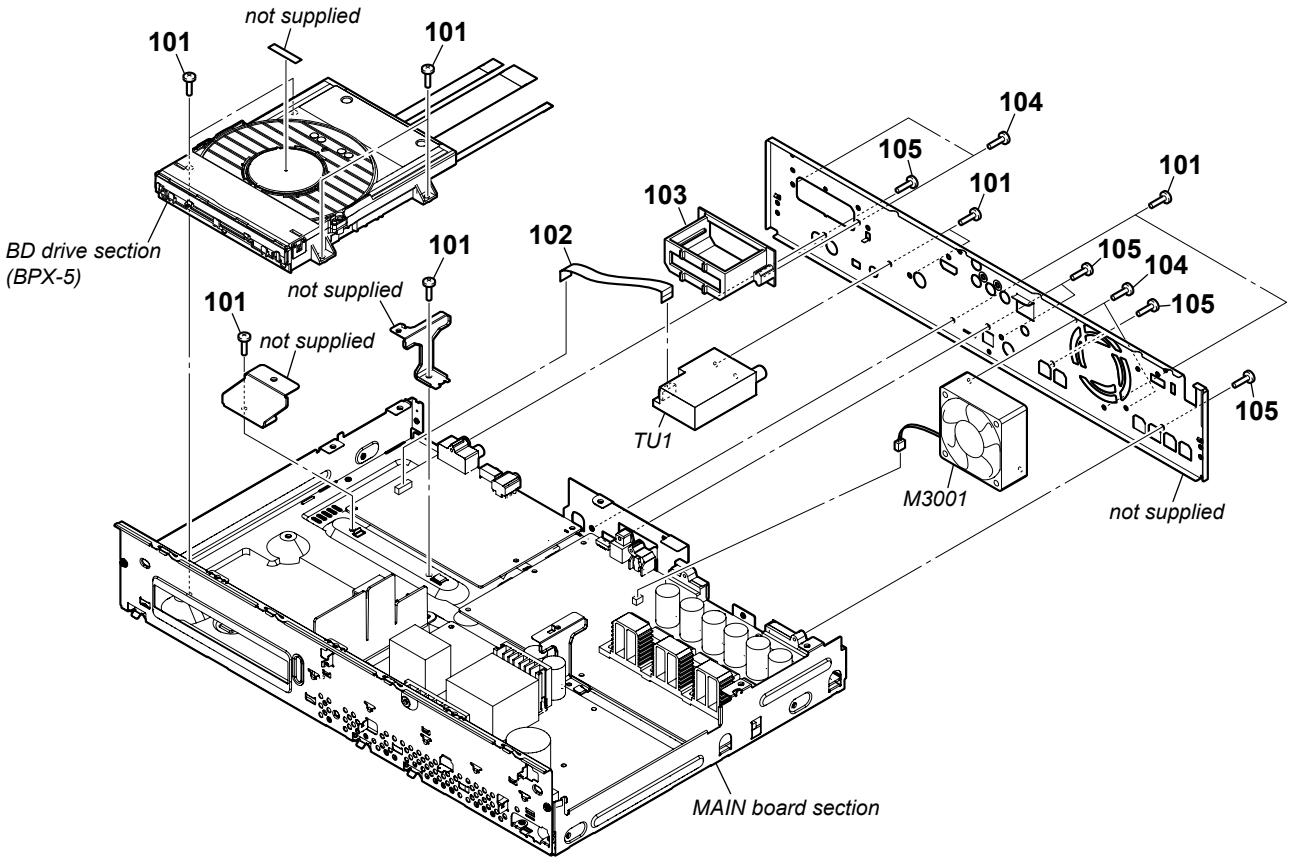
Ref. No.	Part No.	Description	Remark
1	X-2546-719-2	PANEL FRONT ASSY (10EZ) (E370: AEP, UK/E870: AEP, UK)	
1	X-2546-856-2	PANEL FRONT ASSY (10EZ V) (EXCEPT E370: AEP, UK/E870: AEP, UK)	
2	3-077-331-21	+BV3 (3-CR)	
3	4-161-650-01	BUTTON (PLAY-POW-EZ)	
4	4-161-647-11	ESCUTCHEON (EZ) (E370)	
4	4-161-647-21	ESCUTCHEON (EZ) (E570)	
4	4-161-647-41	ESCUTCHEON (EZ) (E870)	
4	4-161-647-61	ESCUTCHEON (EZ) (T57)	
4	4-161-647-81	ESCUTCHEON (EZ) (E470)	
5	X-2546-720-1	LOADING PANEL ASSY (10EZ)	
8	4-161-688-01	CASE (EZ) (E570/T57)	
8	4-161-688-21	CASE (EZ) (E370: CND, AEP, UK/E470/E870)	
8	4-161-688-41	CASE (EZ) (E370: US)	
9	3-704-515-32	SCREW (BV/RING)	
10	A-1746-097-A	FL BOARD, COMPLETE	
#1	7-685-504-19	SCREW +BTP 2X6 TYPE2 N-S	

6-2. MB-134 BOARD SECTION



Ref. No.	Part No.	Description	Remark
52	3-077-331-21	+BV3 (3-CR)	
53	1-966-988-11	HARNESS (USB)	
* 54	3-703-150-11	CLAMP	
55	A-1762-831-A	MB-134 BOARD, COMPLETE (for SERVICE)	(E370: US)
55	A-1762-832-A	MB-134 BOARD, COMPLETE (for SERVICE)	(E370: CND)
55	A-1762-833-A	MB-134 BOARD, COMPLETE (for SERVICE)	(E370: AEP)
55	A-1762-834-A	MB-134 BOARD, COMPLETE (for SERVICE)	(E370: UK)
55	A-1762-842-A	MB-134 BOARD, COMPLETE (for SERVICE) (T57)	
55	A-1762-844-A	MB-134 BOARD, COMPLETE (for SERVICE)	(E570)
55	A-1762-848-A	MB-134 BOARD, COMPLETE (for SERVICE)	(E870: CND)
55	A-1762-858-A	MB-134 BOARD, COMPLETE (for SERVICE)	(E470)
55	A-1762-859-A	MB-134 BOARD, COMPLETE (for SERVICE)	(E870: AEP)
55	A-1762-860-A	MB-134 BOARD, COMPLETE (for SERVICE)	(E870: UK)
56	1-966-989-12	HARNESS (USB)	
⚠ 57	1-777-071-83	CORD, POWER (AEP)	
⚠ 57	1-835-078-31	CORD, POWER (UK)	
⚠ 57	1-837-308-11	CORD, POWER-SUPPLY (US, CND)	
58	3-703-244-00	CORD BUSH (2104)	
59	3-077-331-01	+BV3 (3-CR)	
#2	7-682-147-01	SCREW +P 3X6	
#3	7-682-546-09	SCREW +B 3X5	

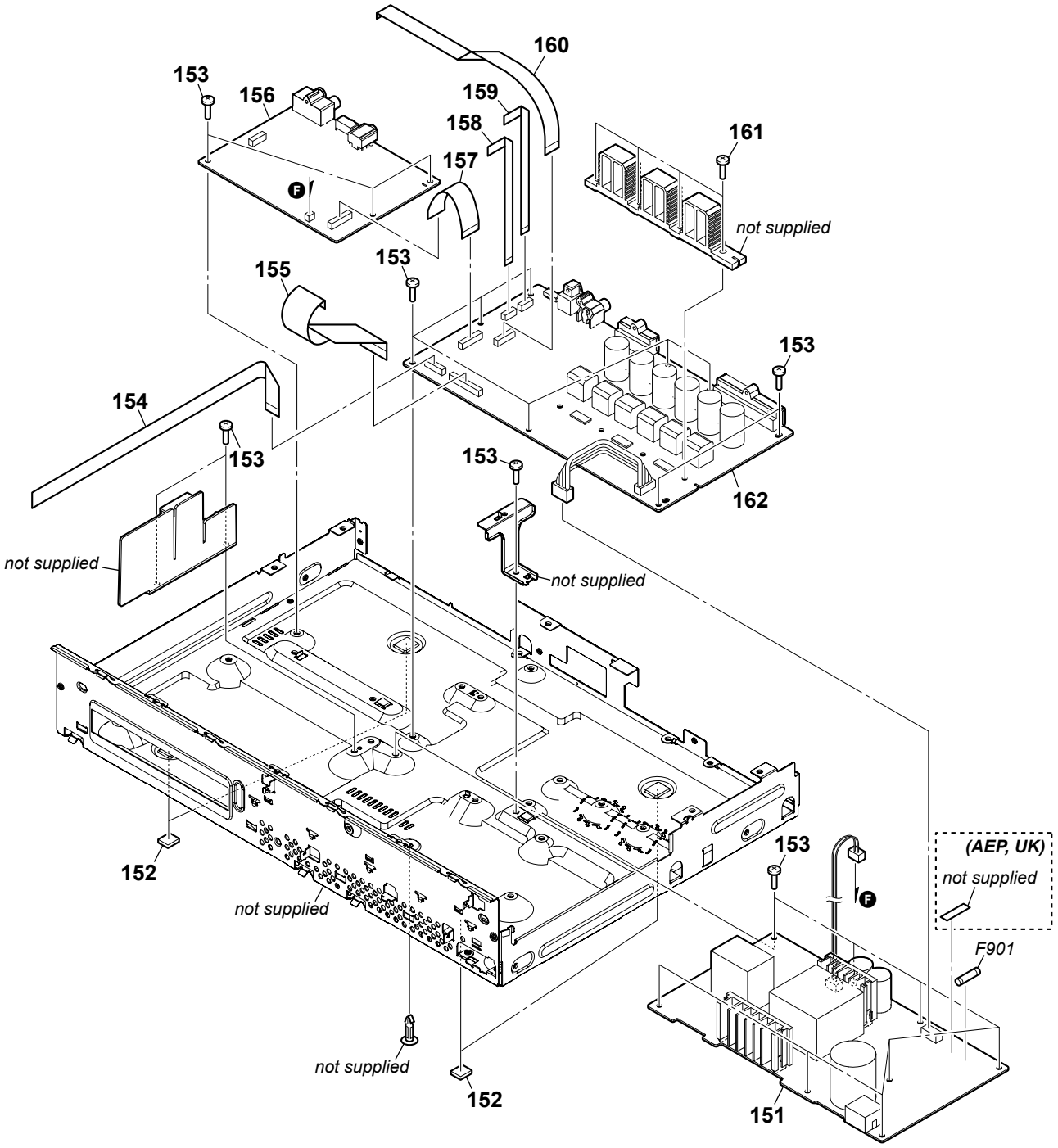
6-3. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark
101	3-077-331-21	+BV3 (3-CR)	
102	1-828-954-51	WIRE (FLAT TYPE) (9 CORE) (US, CND)	
102	1-828-964-51	WIRE (FLAT TYPE) (11 CORE) (AEP, UK)	
103	4-161-658-01	CARD SLOT (S-AIR UME)	
104	3-077-331-11	+BV3 (3-CR)	

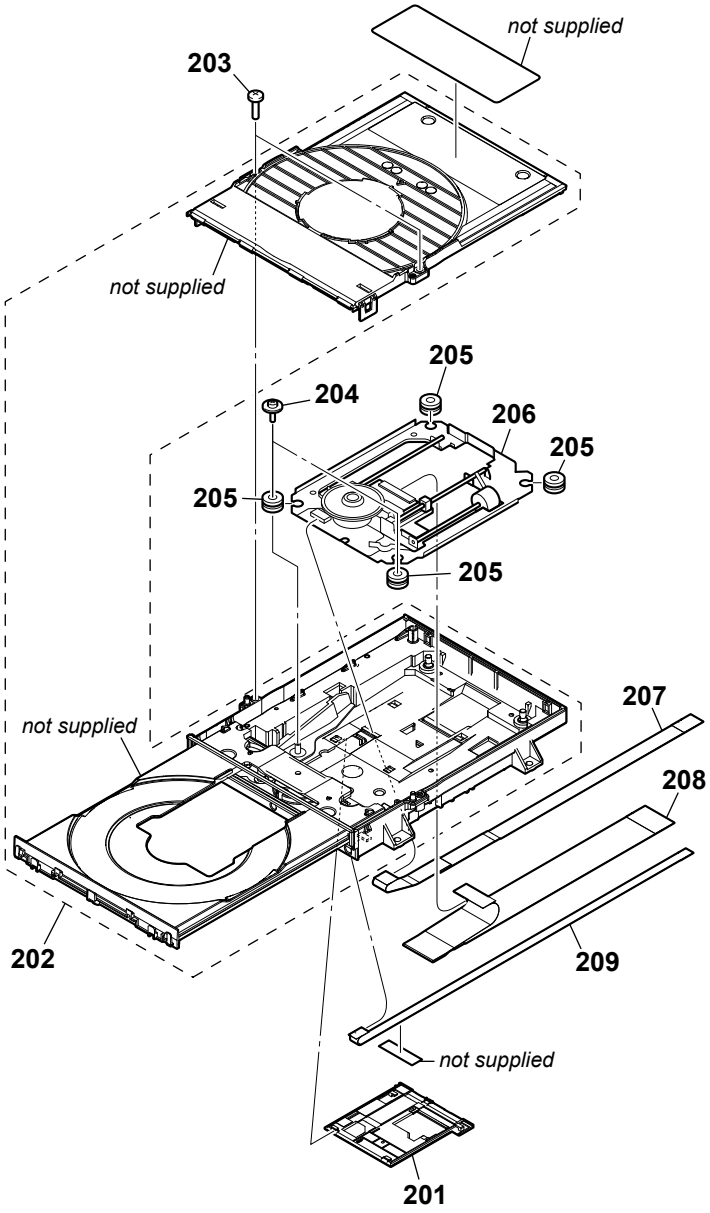
Ref. No.	Part No.	Description	Remark
105	3-077-331-01	+BV3 (3-CR)	
M3001	1-787-931-11	DC FAN	
TU1	1-693-781-11	TUNER (FM) (US, CND)	
TU1	1-693-787-11	TUNER (FM) (AEP, UK)	

6-4. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark
151	A-1745-451-A	POWER BOARD, COMPLETE (E370: AEP, UK/E870: AEP, UK)	
151	A-1745-455-A	POWER BOARD, COMPLETE (EXCEPT E370: AEP, UK/E870: AEP, UK)	
152	4-232-478-31	FOOT	
153	3-077-331-21	+BV3 (3-CR)	
154	1-828-343-51	WIRE (FLAT TYPE) (15 CORE)	
155	1-828-400-51	WIRE (FLAT TYPE) (27 CORE)	
156	A-1746-096-A	AUDIO BOARD, COMPLETE (US, CND) (EXCEPT E370: AEP, UK/E870: AEP, UK)	
156	A-1746-102-A	AUDIO BOARD, COMPLETE (AEP, UK) (E370: AEP, UK/E870: AEP, UK)	
157	1-828-336-51	WIRE (FLAT TYPE) (15 CORE) (US, CND)	
157	1-828-346-51	WIRE (FLAT TYPE) (17 CORE) (AEP, UK)	
158	1-828-740-51	WIRE (FLAT TYPE) (18 CORE)	
159	1-828-730-51	WIRE (FLAT TYPE) (16 CORE)	
160	1-828-341-51	WIRE (FLAT TYPE) (15 CORE)	
161	3-077-331-11	+BV3 (3-CR)	
162	A-1746-692-A	MAIN BOARD, COMPLETE (EXCEPT E370: AEP, UK/E870: AEP, UK)	
162	A-1746-698-A	MAIN BOARD, COMPLETE (E370: AEP, UK/E870: AEP, UK)	
⚠ F901	1-533-311-12	FUSE, GLASS (DIA.5) (8A/125V) (US, CND)	
⚠ F901	1-576-232-51	FUSE (H.B.C.) (T5AH/250V) (AEP, UK)	

6-5. BD DRIVE SECTION (BPX-5)



Ref. No.	Part No.	Description	Remark
201	4-175-656-01	HOLDER, FFC (REAR)	
202	A-1750-926-A	LOADING FOR SERVICE	
203	3-087-053-11	+BVTP2.6 (3CR)	
204	2-345-115-01	SCREW (S), FLOAT	
205	4-175-937-01	INSULATOR	
⚠ 206	8-820-430-02	DEVICE, OPTICAL (KEM-460AAA/C2RP)	
207	1-837-660-51	WIRE (FLAT TYPE) (9 CORE)	
208	1-837-658-51	WIRE (FLAT TYPE) (45 CORE)	
209	1-837-659-51	WIRE (FLAT TYPE) (5 CORE)	

AUDIO

SECTION 7
ELECTRICAL PARTS LIST

Note:

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

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

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

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

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

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

Ref. No.	Part No.	Description				Remark
	A-1746-096-A	AUDIO BOARD, COMPLETE (EXCEPT E370: AEP, UK/E870: AEP, UK)				
	A-1746-102-A	AUDIO BOARD, COMPLETE (E370: AEP, UK/E870: AEP, UK)				
		**********				
		< CAPACITOR >				
C10	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C11	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	
C12	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	
C14	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C15	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C16	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C17	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C20	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C21	1-126-964-11	ELECT	10uF	20%	50V	
C22	1-104-658-91	ELECT	100uF	20%	10V	
C23	1-164-315-11	CERAMIC CHIP	470PF	5%	50V	
C27	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C28	1-164-315-11	CERAMIC CHIP	470PF	5%	50V	
C29	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V	
C32	1-162-925-11	CERAMIC CHIP	68PF	5%	50V	
C33	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C35	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C37	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C39	1-104-662-91	ELECT	22uF	20%	25V	
C41	1-104-662-91	ELECT	22uF	20%	25V	
C44	1-104-658-91	ELECT	100uF	20%	10V	
C45	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C48	1-126-947-11	ELECT	47uF	20%	35V	
C49	1-115-156-11	CERAMIC CHIP	1uF		10V	
C50	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	
C53	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C54	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C62	1-126-947-11	ELECT	47uF	20%	35V	
C63	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	
C66	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C67	1-115-156-11	CERAMIC CHIP	1uF		10V	
C68	1-127-573-11	CERAMIC CHIP	1uF	10%	16V	
C69	1-126-964-11	ELECT	10uF	20%	50V	
C70	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	

Ref. No.	Part No.	Description				Remark
		< CONNECTOR >				
CN10	1-784-770-11	CONNECTOR, FFC 9P (EXCEPT E370: AEP, UK/E870: AEP, UK)				
CN11	1-568-830-11	CONNECTOR, FFC 11P (E370: AEP, UK/E870: AEP, UK)				
CN13	1-779-283-11	CONNECTOR, FFC (LIF (NON-ZIF)) 15P (EXCEPT E370: AEP, UK/E870: AEP, UK)				
CN15	1-779-285-11	CONNECTOR, FFC (LIF (NON-ZIF)) 17P (E370: AEP, UK/E870: AEP, UK)				
CN17	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P				
		< DIODE >				
D10	6-500-848-01	DIODE MC2840-T112-1				
D12	6-500-848-01	DIODE MC2840-T112-1				
D15	6-501-728-01	DIODE MAZ8051G0LS0				
		< IC >				
IC10	8-759-100-96	IC uPC4558G2				
IC11	8-759-430-37	IC MC14052BDTR2				
IC12	8-759-430-37	IC MC14052BDTR2				
IC14	6-712-744-01	IC TK11190CSCL-G				
		< JACK >				
J10	1-563-330-31	JACK (A.CAL MIC ECM-AC2)				
J11	1-778-940-21	PHONO JACK 2P (AUDIO AUDIO IN)				
		< COIL >				
L010	1-481-524-11	INDUCTOR	10uH			
		< TRANSISTOR >				
Q10	8-729-028-96	TRANSISTOR	DTC114EUA-T106			
Q13	6-551-690-01	TRANSISTOR	RT3N11M-TP-1			
Q14	8-729-028-96	TRANSISTOR	DTC114EUA-T106			
		< RESISTOR >				
R12	1-216-864-11	SHORT CHIP	0			
R13	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R15	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R18	1-216-864-11	SHORT CHIP	0 (E370: AEP, UK/E870: AEP, UK)			
R19	1-216-864-11	SHORT CHIP	0 (E370: AEP, UK/E870: AEP, UK)			
R20	1-216-817-11	METAL CHIP	470	5%	1/10W	

Ref. No.	Part No.	Description			Remark
R21	1-216-864-11	SHORT CHIP	0		
R22	1-216-837-11	METAL CHIP	22K	5%	1/10W
R23	1-216-809-11	METAL CHIP	100	5%	1/10W
R24	1-216-809-11	METAL CHIP	100	5%	1/10W
R25	1-216-864-11	SHORT CHIP	0		
R26	1-216-809-11	METAL CHIP	100	5%	1/10W
R27	1-216-864-11	SHORT CHIP	0		
R28	1-216-821-11	METAL CHIP	1K	5%	1/10W
R29	1-216-837-11	METAL CHIP	22K	5%	1/10W
R30	1-216-833-11	METAL CHIP	10K	5%	1/10W
R32	1-216-833-11	METAL CHIP	10K	5%	1/10W
R34	1-216-835-11	METAL CHIP	15K	5%	1/10W
R35	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R36	1-216-864-11	SHORT CHIP	0		
R37	1-216-857-11	METAL CHIP	1M	5%	1/10W
R42	1-216-864-11	SHORT CHIP	0		
R43	1-216-864-11	SHORT CHIP	0		
R44	1-216-837-11	METAL CHIP	22K	5%	1/10W
R45	1-216-837-11	METAL CHIP	22K	5%	1/10W
R46	1-216-841-11	METAL CHIP	47K	5%	1/10W
R47	1-216-841-11	METAL CHIP	47K	5%	1/10W
R48	1-216-837-11	METAL CHIP	22K	5%	1/10W
R49	1-216-837-11	METAL CHIP	22K	5%	1/10W
R50	1-216-841-11	METAL CHIP	47K	5%	1/10W
R51	1-216-841-11	METAL CHIP	47K	5%	1/10W
R52	1-216-864-11	SHORT CHIP	0		
R53	1-216-821-11	METAL CHIP	1K	5%	1/10W
R54	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R55	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R56	1-216-864-11	SHORT CHIP	0		
R57	1-216-864-11	SHORT CHIP	0		
R58	1-216-845-11	METAL CHIP	100K	5%	1/10W
R60	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R61	1-216-821-11	METAL CHIP	1K	5%	1/10W
R62	1-216-845-11	METAL CHIP	100K	5%	1/10W
R65	1-216-864-11	SHORT CHIP	0		
R71	1-216-833-11	METAL CHIP	10K	5%	1/10W
R72	1-216-833-11	METAL CHIP	10K	5%	1/10W
R73	1-216-833-11	METAL CHIP	10K	5%	1/10W
R74	1-216-821-11	METAL CHIP	1K	5%	1/10W
R75	1-216-821-11	METAL CHIP	1K	5%	1/10W
R76	1-216-821-11	METAL CHIP	1K	5%	1/10W
R77	1-216-864-11	SHORT CHIP	0		
R85	1-216-834-11	METAL CHIP	12K	5%	1/10W
R86	1-216-835-11	METAL CHIP	15K	5%	1/10W
R87	1-216-821-11	METAL CHIP	1K	5%	1/10W
R88	1-216-864-11	SHORT CHIP	0		
⚠ R89	1-215-865-51	METAL OXIDE	220	5%	1W F
R93	1-216-864-11	SHORT CHIP	0		
R99	1-216-821-11	METAL CHIP	1K	5%	1/10W

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CONNECT BOARD
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< CONNECTOR >

CN300	1-779-552-21	CONNECTOR, FFC (LIF (NON-ZIF)) 15P	
CN301	1-564-722-11	PIN, CONNECTOR (SMALL TYPE) 6P	
CN303	1-821-745-11	CONNECTOR, CARD EDGE 30P (L) (EZW-T100)	

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q300	8-729-029-14	TRANSISTOR	DTC144EUA-T106		
Q301	6-550-363-01	TRANSISTOR	2SB1690KT146		
		< RESISTOR >			
R300	1-216-817-11	METAL CHIP	470	5%	1/10W
R301	1-216-817-11	METAL CHIP	470	5%	1/10W
R302	1-216-817-11	METAL CHIP	470	5%	1/10W
R303	1-216-841-11	METAL CHIP	47K	5%	1/10W
R307	1-216-833-11	METAL CHIP	10K	5%	1/10W
R308	1-216-833-11	METAL CHIP	10K	5%	1/10W
R309	1-216-833-11	METAL CHIP	10K	5%	1/10W
R311	1-216-833-11	METAL CHIP	10K	5%	1/10W
R320	1-216-864-11	SHORT CHIP	0		

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A-1746-097-A FL BOARD, COMPLETE
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< CAPACITOR >

C803	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C804	1-126-786-11	ELECT	47uF	20%	16V
C807	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C808	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C810	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C811	1-126-382-11	ELECT	100uF	20%	16V
C812	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C816	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C817	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V
C818	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C819	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C820	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C821	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C822	1-119-943-91	ELECT	47uF	20%	50V
C823	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C824	1-137-710-91	CERAMIC CHIP	10uF	20%	6.3V
C825	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C826	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C833	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C834	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C837	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V

< CONNECTOR >

CN801	1-779-283-11	CONNECTOR, FFC (LIF (NON-ZIF)) 15P

< DIODE >

D800	6-503-085-01	LED SLD430WBD2PT31XN (ILLUMINATION)
D803	6-500-848-01	DIODE MC2840-T112-1
D804	6-500-848-01	DIODE MC2840-T112-1
D805	6-501-729-01	DIODE MAZ8051GLLS0
D807	6-501-817-01	DIODE MA2J1110GLS0

< IC >

IC801	6-702-302-01	IC TK11133CSCL-G
IC802	6-713-497-01	IC HT16515
IC803	6-600-767-01	IC PNA4823M02S0

< COIL >

L801	1-410-671-31	INDUCTOR	47uH
L802	1-410-671-31	INDUCTOR	47uH

FL **F-USB** **KEY** **MAIN**

Ref. No.	Part No.	Description			Remark
L803	1-410-671-31	INDUCTOR	47uH		
		< FLUORESCENT INDICATOR TUBE >			
ND800	1-483-114-11	INDICATOR TUBE, FLUORESCENT			
		< TRANSISTOR >			
Q800	8-729-029-14	TRANSISTOR	DTC144EUA-T106		
Q801	8-729-028-96	TRANSISTOR	DTC114EUA-T106		
Q802	6-550-363-01	TRANSISTOR	2SB1690KT146		
Q803	6-550-065-01	TRANSISTOR	CPH5504-TL-E		
Q804	8-729-620-13	TRANSISTOR	2SC4154TP-1EF		
		< RESISTOR >			
R803	1-216-817-11	METAL CHIP	470	5%	1/10W
R804	1-216-809-11	METAL CHIP	100	5%	1/10W
R805	1-216-817-11	METAL CHIP	470	5%	1/10W
R806	1-216-817-11	METAL CHIP	470	5%	1/10W
R807	1-216-841-11	METAL CHIP	47K	5%	1/10W
R809	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R812	1-216-821-11	METAL CHIP	1K	5%	1/10W
R813	1-216-839-11	METAL CHIP	33K	5%	1/10W
R814	1-216-805-11	METAL CHIP	47	5%	1/10W
R817	1-216-845-11	METAL CHIP	100K	5%	1/10W
R819	1-216-821-11	METAL CHIP	1K	5%	1/10W
R820	1-216-809-11	METAL CHIP	100	5%	1/10W
R821	1-216-809-11	METAL CHIP	100	5%	1/10W
R822	1-216-809-11	METAL CHIP	100	5%	1/10W
R823	1-216-844-11	METAL CHIP	82K	5%	1/10W
R825	1-216-805-11	METAL CHIP	47	5%	1/10W
R828	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< TRANSFORMER >			
T800	1-445-686-11	D.C-D.C. CONVERTER TRANSFORMER			
**********					
		F-USB BOARD			
		**********			
		< CONNECTOR >			
CN100	1-822-423-11	CONNECTOR, USB (A) (⇠)			
CN101	1-784-922-11	PIN, CONNECTOR 5P			
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		KEY BOARD			
		*********			
		< CONNECTOR >			
CN700	1-580-057-11	PIN, CONNECTOR (SMD) 4P			
* CN701	1-580-055-21	PIN, CONNECTOR (SMD) 2P			
		< RESISTOR >			
R700	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R701	1-216-821-11	METAL CHIP	1K	5%	1/10W
R702	1-216-809-11	METAL CHIP	100	5%	1/10W
R703	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R704	1-216-821-11	METAL CHIP	1K	5%	1/10W
R705	1-216-809-11	METAL CHIP	100	5%	1/10W
		< SWITCH >			
S700	1-786-650-21	SWITCH, TACTILE (VOLUME +)			
S701	1-786-650-21	SWITCH, TACTILE (VOLUME –)			
S702	1-786-650-21	SWITCH, TACTILE (⏏)			
S703	1-786-650-21	SWITCH, TACTILE (FUNCTION)			
S704	1-786-650-21	SWITCH, TACTILE (■)			
S705	1-786-650-21	SWITCH, TACTILE (►)			
**********					
	A-1746-692-A	MAIN BOARD, COMPLETE (EXCEPT E370: AEP, UK/E870: AEP, UK)			
	A-1746-698-A	MAIN BOARD, COMPLETE (E370: AEP, UK/E870: AEP, UK)			
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		< CAPACITOR >			
* C501	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C502	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C503	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
* C504	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C505	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C506	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C508	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C511	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C513	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C514	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C516	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C518	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C519	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C521	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C522	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C525	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C526	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C527	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C528	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C529	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C532	1-104-656-11	ELECT	2200uF	20%	6.3V
C533	1-126-924-11	ELECT	330uF	20%	10V
C534	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C535	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C536	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C537	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C702	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C705	1-104-658-91	ELECT	100uF	20%	10V
C706	1-126-964-11	ELECT	10uF	20%	50V
C707	1-126-964-11	ELECT	10uF	20%	50V
C713	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C714	1-126-964-11	ELECT	10uF	20%	50V
C715	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C716	1-126-964-11	ELECT	10uF	20%	50V
C717	1-126-964-11	ELECT	10uF	20%	50V
C718	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C719	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C720	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C721	1-104-658-91	ELECT	100uF	20%	10V
C722	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C723	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Note: When the MAIN board is replaced, spread the compound referring to "NOTE OF REPLACING THE IC3100, IC3200 AND IC3400 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" on servicing notes (page 8).

Ref. No.	Part No.	Description			Remark
C724	1-104-658-91	ELECT	100uF	20%	10V
C725	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C726	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C727	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C728	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C729	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C730	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C731	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C732	1-104-658-91	ELECT	100uF	20%	10V
C733	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C735	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C736	1-162-912-11	CERAMIC CHIP	7PF	0.5PF	50V
C737	1-162-912-11	CERAMIC CHIP	7PF	0.5PF	50V
C3000	1-126-933-11	ELECT	100uF	20%	16V
C3001	1-126-947-11	ELECT	47uF	20%	35V
C3002	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C3003	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3005	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3011	1-165-726-31	ELECT	56uF	20%	16V
C3012	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3014	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3017	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3021	1-165-726-31	ELECT	56uF	20%	16V
C3022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3031	1-165-726-31	ELECT	56uF	20%	16V
C3032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3038	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3051	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3052	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3054	1-126-933-11	ELECT	100uF	20%	16V
C3055	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3056	1-126-923-91	ELECT	220uF	20%	10V
C3057	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3058	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V
C3060	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V
C3071	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3091	1-126-934-11	ELECT	220uF	20%	16V
C3101	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3102	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3103	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3104	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3105	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3106	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3107	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C3108	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3109	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3110	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C3111	1-112-246-11	ELECT	100uF	20%	35V
C3112	1-112-246-11	ELECT	100uF	20%	35V
C3113	1-137-198-81	FILM	1uF	5%	50V
C3114	1-137-198-81	FILM	1uF	5%	50V
C3115	1-112-831-31	ELECT	2200uF	20%	35V
C3116	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3117	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C3118	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3119	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3120	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C3121	1-112-246-11	ELECT	100uF	20%	35V
C3122	1-112-246-11	ELECT	100uF	20%	35V
C3123	1-137-198-81	FILM	1uF	5%	50V
C3124	1-137-198-81	FILM	1uF	5%	50V
C3125	1-112-831-31	ELECT	2200uF	20%	35V
C3126	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3127	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3128	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3129	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3201	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3203	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3205	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3206	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3207	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C3208	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3209	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3210	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C3211	1-112-246-11	ELECT	100uF	20%	35V
C3212	1-112-246-11	ELECT	100uF	20%	35V
C3213	1-137-198-81	FILM	1uF	5%	50V
C3214	1-137-198-81	FILM	1uF	5%	50V
C3215	1-112-831-31	ELECT	2200uF	20%	35V
C3216	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3217	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C3218	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3219	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3220	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C3227	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C3229	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3311	1-112-246-11	ELECT	100uF	20%	35V
C3312	1-112-246-11	ELECT	100uF	20%	35V
C3313	1-137-198-81	FILM	1uF	5%	50V
C3314	1-137-198-81	FILM	1uF	5%	50V
C3315	1-112-831-31	ELECT	2200uF	20%	35V
C3316	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3327	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3401	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3402	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3403	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3404	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

MAIN

Ref. No.	Part No.	Description			Remark
C3405	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3406	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3407	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C3408	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3409	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3410	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C3411	1-112-246-11	ELECT	100uF	20%	35V
C3412	1-112-246-11	ELECT	100uF	20%	35V
C3413	1-137-198-81	FILM	1uF	5%	50V
C3414	1-137-198-81	FILM	1uF	5%	50V
C3415	1-112-831-31	ELECT	2200uF	20%	35V
C3416	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3417	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C3418	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3419	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3420	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C3421	1-112-246-11	ELECT	100uF	20%	35V
C3422	1-112-246-11	ELECT	100uF	20%	35V
C3423	1-137-198-81	FILM	1uF	5%	50V
C3424	1-137-198-81	FILM	1uF	5%	50V
C3425	1-112-831-31	ELECT	2200uF	20%	35V
C3426	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3427	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3428	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3429	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3551	1-126-960-11	ELECT	1uF	20%	50V
C3552	1-126-964-11	ELECT	10uF	20%	50V
C3553	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3556	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C3561	1-126-947-11	ELECT	47uF	20%	35V
C3911	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3912	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3913	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3914	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3915	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3916	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3917	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3918	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3921	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3922	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3923	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3924	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3925	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3926	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3927	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3928	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3941	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3942	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3943	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3944	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3945	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3946	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3947	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C3948	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
CN502	1-820-116-51	CONNECTOR, FFC/FPC 17P (E370: AEP, UK/E870: AEP, UK)			
CN504	1-820-115-51	CONNECTOR, FFC/FPC 15P (EXCEPT E370: AEP, UK/E870: AEP, UK)			

Ref. No.	Part No.	Description	Remark
CN505	1-794-341-51	CONNECTOR, FFC/FPC 27P	
CN508	1-820-115-51	CONNECTOR, FFC/FPC 15P	
CN510	1-784-861-51	CONNECTOR, FFC (LIF (NON-ZIF)) 9P	
CN701	1-779-333-51	CONNECTOR, FFC/FPC 18P (HDMI ARC OUT)	
CN702	1-820-115-51	CONNECTOR, FFC/FPC 15P	
CN703	1-779-332-51	CONNECTOR, FFC/FPC 16P	
CN3000	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	
		< DIODE >	
D502	6-501-817-01	DIODE MA2J1110GLS0	
D503	6-501-817-01	DIODE MA2J1110GLS0	
D506	6-501-817-01	DIODE MA2J1110GLS0	
D508	6-501-817-01	DIODE MA2J1110GLS0	
D3070	6-501-817-01	DIODE MA2J1110GLS0	
D3071	6-500-335-01	DIODE MC2838-T112-1	
D3072	6-501-817-01	DIODE MA2J1110GLS0	
D3101	6-501-696-01	DIODE RSA39LTE25	
D3102	6-501-696-01	DIODE RSA39LTE25	
D3103	6-501-696-01	DIODE RSA39LTE25	
D3104	6-501-696-01	DIODE RSA39LTE25	
D3201	6-501-696-01	DIODE RSA39LTE25	
D3202	6-501-696-01	DIODE RSA39LTE25	
D3203	6-501-696-01	DIODE RSA39LTE25	
D3204	6-501-696-01	DIODE RSA39LTE25	
D3401	6-501-696-01	DIODE RSA39LTE25	
D3402	6-501-696-01	DIODE RSA39LTE25	
D3501	6-501-696-01	DIODE RSA39LTE25	
D3502	6-501-696-01	DIODE RSA39LTE25	
D3551	6-500-848-01	DIODE MC2840-T112-1	
D3553	6-501-817-01	DIODE MA2J1110GLS0	
		< FERRITE BEAD >	
FB701	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB702	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB704	1-469-094-21	FERRITE, EMI (SMD) (1608)	
FB705	1-400-580-21	FERRITE, EMI (SMD)	
FB706	1-469-094-21	FERRITE, EMI (SMD) (1608)	
		< IC >	
IC501	A-1748-298-A	IC R5F364AMDFA (for SERVICE)	
IC503	6-705-203-01	IC S-80935CNMC-G85T2G	
IC505	6-705-337-01	IC TK11150CSCL-G	
IC506	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC507	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC508	6-705-337-01	IC TK11150CSCL-G	
IC700	6-600-466-01	IC TORX147L (SONY) (TV DIGITAL IN OPTICAL)	
IC702	6-710-554-01	IC PCM1808PWR	
IC703	6-713-642-01	IC LC89058W-E	
IC704	6-707-853-01	IC TC74LCX541FT (EKJ)	
IC3010	6-705-979-01	IC CXD9788AR	
IC3011	6-712-613-01	IC SI-3010KM-TLS	
IC3020	6-705-979-01	IC CXD9788AR	
IC3030	6-705-979-01	IC CXD9788AR	
IC3050	6-714-743-01	IC MM3404A18URE	
IC3051	6-706-492-01	IC TC7SHU04FU (T5RSOJF)	
IC3100	6-714-477-01	IC CXD9981TN	
IC3200	6-714-477-01	IC CXD9981TN	
IC3400	6-714-477-01	IC CXD9981TN	

Note: When IC3100, IC3200 and IC3400 on the MAIN board are replaced, spread the compound referring to "NOTE OF REPLACING THE IC3100, IC3200 AND IC3400 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" on servicing notes (page 8).

Ref. No.	Part No.	Description			Remark
		< JACK >			
J700	1-784-431-21	JACK, PIN 1P (SAT/CABLE DIGITAL IN COAXIAL)			
		< COIL >			
L700	1-481-524-11	INDUCTOR	10uH		
L705	1-469-527-91	INDUCTOR	47uH		
L3000	1-469-526-91	INDUCTOR	22uH		
L3051	1-469-525-91	INDUCTOR	10uH		
L3052	1-469-525-91	INDUCTOR	10uH		
L3053	1-469-525-91	INDUCTOR	10uH		
L3101	1-457-579-11	INDUCTOR	10uH		
L3102	1-457-579-11	INDUCTOR	10uH		
L3201	1-457-579-11	INDUCTOR	10uH		
L3301	1-457-579-11	INDUCTOR	10uH		
L3401	1-457-579-11	INDUCTOR	10uH		
L3402	1-457-579-11	INDUCTOR	10uH		
L3911	1-457-796-11	AIR-CORE COIL			
L3912	1-457-797-11	AIR-CORE COIL			
L3913	1-457-796-11	AIR-CORE COIL			
L3914	1-457-797-11	AIR-CORE COIL			
L3921	1-457-796-11	AIR-CORE COIL			
L3922	1-457-797-11	AIR-CORE COIL			
L3923	1-457-796-11	AIR-CORE COIL			
L3924	1-457-797-11	AIR-CORE COIL			
L3941	1-457-796-11	AIR-CORE COIL			
L3942	1-457-797-11	AIR-CORE COIL			
L3943	1-457-796-11	AIR-CORE COIL			
L3944	1-457-797-11	AIR-CORE COIL			
		< TRANSISTOR >			
Q504	8-729-620-13	TRANSISTOR	2SC4154TP-1EF		
Q507	6-551-272-01	TRANSISTOR	RT3CLLM		
Q3001	8-729-620-13	TRANSISTOR	2SC4154TP-1EF		
Q3101	6-551-271-01	TRANSISTOR	RT3AMMM		
Q3102	6-551-271-01	TRANSISTOR	RT3AMMM		
Q3201	6-551-271-01	TRANSISTOR	RT3AMMM		
Q3301	6-551-271-01	TRANSISTOR	RT3AMMM		
Q3401	6-551-271-01	TRANSISTOR	RT3AMMM		
Q3402	6-551-271-01	TRANSISTOR	RT3AMMM		
Q3551	8-729-620-13	TRANSISTOR	2SC4154TP-1EF		
Q3552	6-551-272-01	TRANSISTOR	RT3CLLM		
Q3556	8-729-620-13	TRANSISTOR	2SC4154TP-1EF		
		< RESISTOR >			
R505	1-216-809-11	METAL CHIP	100	5%	1/10W
R506	1-216-821-11	METAL CHIP	1K	5%	1/10W
R507	1-216-815-11	METAL CHIP	330	5%	1/10W
R508	1-216-815-11	METAL CHIP	330	5%	1/10W
R509	1-216-815-11	METAL CHIP	330	5%	1/10W
R510	1-216-815-11	METAL CHIP	330	5%	1/10W
R511	1-216-815-11	METAL CHIP	330	5%	1/10W
R512	1-216-815-11	METAL CHIP	330	5%	1/10W
R513	1-216-815-11	METAL CHIP	330	5%	1/10W
R514	1-216-821-11	METAL CHIP	1K	5%	1/10W
R519	1-216-833-11	METAL CHIP	10K	5%	1/10W
R521	1-218-857-11	METAL CHIP	2.7K	0.5%	1/10W
R522	1-216-833-11	METAL CHIP	10K	5%	1/10W
R523	1-216-833-11	METAL CHIP	10K	5%	1/10W
R524	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R525	1-216-809-11	METAL CHIP	100	5%	1/10W
R527	1-216-821-11	METAL CHIP	1K	5%	1/10W
R528	1-216-821-11	METAL CHIP	1K	5%	1/10W
R529	1-216-821-11	METAL CHIP	1K	5%	1/10W
R530	1-216-809-11	METAL CHIP	100	5%	1/10W
R531	1-216-809-11	METAL CHIP	100	5%	1/10W
R532	1-216-809-11	METAL CHIP	100	5%	1/10W
R533	1-216-857-11	METAL CHIP	1M	5%	1/10W
R534	1-216-809-11	METAL CHIP	100	5%	1/10W
R536	1-216-809-11	METAL CHIP	100	5%	1/10W
R538	1-216-809-11	METAL CHIP	100	5%	1/10W
R540	1-216-809-11	METAL CHIP	100	5%	1/10W
					(E370: AEP, UK/E870: AEP, UK)
R542	1-216-833-11	METAL CHIP	10K	5%	1/10W
					(EXCEPT E370: AEP, UK/E870: AEP, UK)
R543	1-216-809-11	METAL CHIP	100	5%	1/10W
					(E370: AEP, UK/E870: AEP, UK)
R544	1-216-864-11	SHORT CHIP	0		
R545	1-216-833-11	METAL CHIP	10K	5%	1/10W
					(EXCEPT E370: AEP, UK/E870: AEP, UK)
R546	1-216-809-11	METAL CHIP	100	5%	1/10W
R547	1-216-833-11	METAL CHIP	10K	5%	1/10W
R549	1-216-833-11	METAL CHIP	10K	5%	1/10W
R550	1-216-864-11	SHORT CHIP	0		
R553	1-216-833-11	METAL CHIP	10K	5%	1/10W
R555	1-216-833-11	METAL CHIP	10K	5%	1/10W
R556	1-216-809-11	METAL CHIP	100	5%	1/10W
R563	1-216-809-11	METAL CHIP	100	5%	1/10W
R565	1-216-801-11	METAL CHIP	22	5%	1/10W
R567	1-216-809-11	METAL CHIP	100	5%	1/10W
R568	1-216-864-11	SHORT CHIP	0		
R569	1-216-809-11	METAL CHIP	100	5%	1/10W
R570	1-216-809-11	METAL CHIP	100	5%	1/10W
R572	1-216-801-11	METAL CHIP	22	5%	1/10W
R574	1-216-838-11	METAL CHIP	27K	5%	1/10W
R577	1-216-841-11	METAL CHIP	47K	5%	1/10W
R580	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R582	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R585	1-216-813-11	METAL CHIP	220	5%	1/10W
R586	1-216-833-11	METAL CHIP	10K	5%	1/10W
R587	1-216-809-11	METAL CHIP	100	5%	1/10W
R588	1-216-833-11	METAL CHIP	10K	5%	1/10W
R589	1-216-809-11	METAL CHIP	100	5%	1/10W
R590	1-216-845-11	METAL CHIP	100K	5%	1/10W
R591	1-216-809-11	METAL CHIP	100	5%	1/10W
R593	1-216-833-11	METAL CHIP	10K	5%	1/10W
R594	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R595	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R596	1-216-801-11	METAL CHIP	22	5%	1/10W
R597	1-216-801-11	METAL CHIP	22	5%	1/10W
R599	1-216-801-11	METAL CHIP	22	5%	1/10W
R601	1-216-845-11	METAL CHIP	100K	5%	1/10W
R606	1-216-801-11	METAL CHIP	22	5%	1/10W
R607	1-216-809-11	METAL CHIP	100	5%	1/10W
R610	1-216-809-11	METAL CHIP	100	5%	1/10W
R613	1-216-841-11	METAL CHIP	47K	5%	1/10W
R615	1-216-841-11	METAL CHIP	47K	5%	1/10W
R618	1-216-833-11	METAL CHIP	10K	5%	1/10W
R620	1-216-864-11	SHORT CHIP	0		
R621	1-216-809-11	METAL CHIP	100	5%	1/10W
R622	1-216-809-11	METAL CHIP	100	5%	1/10W

MAIN

Ref. No.	Part No.	Description			Remark
R623	1-216-809-11	METAL CHIP	100	5%	1/10W
R632	1-216-809-11	METAL CHIP	100	5%	1/10W
R633	1-216-809-11	METAL CHIP	100	5%	1/10W
R634	1-216-809-11	METAL CHIP	100	5%	1/10W
R636	1-216-809-11	METAL CHIP	100	5%	1/10W
R639	1-216-809-11	METAL CHIP	100	5%	1/10W
R648	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R649	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R650	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R651	1-216-821-11	METAL CHIP	1K	5%	1/10W
R652	1-216-841-11	METAL CHIP	47K	5%	1/10W
R653	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R654	1-216-833-11	METAL CHIP	10K	5%	1/10W
R656	1-216-809-11	METAL CHIP	100	5%	1/10W
R657	1-216-809-11	METAL CHIP	100	5%	1/10W
R681	1-216-864-11	SHORT CHIP	0		
			(EXCEPT E370: AEP, UK/E870: AEP, UK)		
R683	1-216-864-11	SHORT CHIP	0		
			(E370: AEP, UK/E870: AEP, UK)		
R700	1-216-805-11	METAL CHIP	47	5%	1/10W
R701	1-216-864-11	SHORT CHIP	0		
R702	1-218-285-11	METAL CHIP	75	5%	1/10W
R703	1-216-809-11	METAL CHIP	100	5%	1/10W
R704	1-216-801-11	METAL CHIP	22	5%	1/10W
R705	1-216-801-11	METAL CHIP	22	5%	1/10W
R706	1-216-801-11	METAL CHIP	22	5%	1/10W
R707	1-216-801-11	METAL CHIP	22	5%	1/10W
R708	1-216-801-11	METAL CHIP	22	5%	1/10W
R709	1-216-801-11	METAL CHIP	22	5%	1/10W
R710	1-216-801-11	METAL CHIP	22	5%	1/10W
R711	1-216-801-11	METAL CHIP	22	5%	1/10W
R712	1-216-864-11	SHORT CHIP	0		
R713	1-216-805-11	METAL CHIP	47	5%	1/10W
R714	1-216-805-11	METAL CHIP	47	5%	1/10W
R716	1-216-864-11	SHORT CHIP	0		
R718	1-216-864-11	SHORT CHIP	0		
R719	1-216-864-11	SHORT CHIP	0		
R720	1-216-864-11	SHORT CHIP	0		
R721	1-216-864-11	SHORT CHIP	0		
R723	1-216-864-11	SHORT CHIP	0		
R724	1-216-864-11	SHORT CHIP	0		
R725	1-216-805-11	METAL CHIP	47	5%	1/10W
R726	1-216-853-11	METAL CHIP	470K	5%	1/10W
R729	1-216-805-11	METAL CHIP	47	5%	1/10W
R730	1-216-805-11	METAL CHIP	47	5%	1/10W
R733	1-216-809-11	METAL CHIP	100	5%	1/10W
R734	1-216-864-11	SHORT CHIP	0		
R735	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R737	1-216-809-11	METAL CHIP	100	5%	1/10W
R738	1-216-809-11	METAL CHIP	100	5%	1/10W
R739	1-216-833-11	METAL CHIP	10K	5%	1/10W
R740	1-216-805-11	METAL CHIP	47	5%	1/10W
R741	1-216-809-11	METAL CHIP	100	5%	1/10W
R744	1-216-805-11	METAL CHIP	47	5%	1/10W
R745	1-216-864-11	SHORT CHIP	0		
R746	1-216-864-11	SHORT CHIP	0		
R747	1-216-864-11	SHORT CHIP	0		
R748	1-216-833-11	METAL CHIP	10K	5%	1/10W
R749	1-216-797-11	METAL CHIP	10	5%	1/10W
R750	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R751	1-216-801-11	METAL CHIP	22	5%	1/10W
R752	1-216-809-11	METAL CHIP	100	5%	1/10W
R753	1-216-809-11	METAL CHIP	100	5%	1/10W
R754	1-216-805-11	METAL CHIP	47	5%	1/10W
R755	1-216-797-11	METAL CHIP	10	5%	1/10W
R756	1-216-809-11	METAL CHIP	100	5%	1/10W
R758	1-216-864-11	SHORT CHIP	0		
R759	1-216-857-11	METAL CHIP	1M	5%	1/10W
R760	1-216-815-11	METAL CHIP	330	5%	1/10W
R763	1-216-833-11	METAL CHIP	10K	5%	1/10W
R764	1-216-833-11	METAL CHIP	10K	5%	1/10W
R765	1-216-833-11	METAL CHIP	10K	5%	1/10W
R766	1-216-833-11	METAL CHIP	10K	5%	1/10W
R767	1-216-809-11	METAL CHIP	100	5%	1/10W
R768	1-216-809-11	METAL CHIP	100	5%	1/10W
R769	1-216-809-11	METAL CHIP	100	5%	1/10W
R771	1-216-864-11	SHORT CHIP	0		
R772	1-216-864-11	SHORT CHIP	0		
R773	1-216-809-11	METAL CHIP	100	5%	1/10W
R774	1-216-809-11	METAL CHIP	100	5%	1/10W
R775	1-216-809-11	METAL CHIP	100	5%	1/10W
R776	1-216-809-11	METAL CHIP	100	5%	1/10W
R777	1-216-809-11	METAL CHIP	100	5%	1/10W
R778	1-216-809-11	METAL CHIP	100	5%	1/10W
R780	1-216-809-11	METAL CHIP	100	5%	1/10W
R781	1-216-809-11	METAL CHIP	100	5%	1/10W
R782	1-216-809-11	METAL CHIP	100	5%	1/10W
R787	1-216-809-11	METAL CHIP	100	5%	1/10W
R795	1-216-864-11	SHORT CHIP	0		
R3002	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3003	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3004	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R3005	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3006	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R3007	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3011	1-216-817-11	METAL CHIP	470	5%	1/10W
R3012	1-216-817-11	METAL CHIP	470	5%	1/10W
R3013	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3014	1-216-805-11	METAL CHIP	47	5%	1/10W
R3015	1-216-805-11	METAL CHIP	47	5%	1/10W
R3017	1-216-805-11	METAL CHIP	47	5%	1/10W
R3021	1-216-817-11	METAL CHIP	470	5%	1/10W
R3022	1-216-817-11	METAL CHIP	470	5%	1/10W
R3023	1-216-805-11	METAL CHIP	47	5%	1/10W
R3024	1-216-805-11	METAL CHIP	47	5%	1/10W
R3027	1-216-805-11	METAL CHIP	47	5%	1/10W
R3031	1-216-817-11	METAL CHIP	470	5%	1/10W
R3032	1-216-817-11	METAL CHIP	470	5%	1/10W
R3033	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3034	1-216-805-11	METAL CHIP	47	5%	1/10W
R3035	1-216-805-11	METAL CHIP	47	5%	1/10W
R3037	1-216-805-11	METAL CHIP	47	5%	1/10W
R3040	1-216-864-11	SHORT CHIP	0		
R3041	1-216-864-11	SHORT CHIP	0		
R3042	1-216-864-11	SHORT CHIP	0		
R3043	1-216-864-11	SHORT CHIP	0		
R3046	1-216-864-11	SHORT CHIP	0		
R3047	1-216-864-11	SHORT CHIP	0		
R3050	1-216-805-11	METAL CHIP	47	5%	1/10W
R3051	1-216-845-11	METAL CHIP	100K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3052	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3053	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3055	1-216-805-11	METAL CHIP	47	5%	1/10W
R3057	1-216-805-11	METAL CHIP	47	5%	1/10W
R3059	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3060	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3065	1-216-809-11	METAL CHIP	100	5%	1/10W
R3074	1-216-805-11	METAL CHIP	47	5%	1/10W
R3075	1-216-805-11	METAL CHIP	47	5%	1/10W
R3076	1-216-805-11	METAL CHIP	47	5%	1/10W
R3080	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3102	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3103	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R3125	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3126	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3127	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3128	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3131	1-216-805-11	METAL CHIP	47	5%	1/10W
R3132	1-216-805-11	METAL CHIP	47	5%	1/10W
R3133	1-216-805-11	METAL CHIP	47	5%	1/10W
R3134	1-216-805-11	METAL CHIP	47	5%	1/10W
R3140	1-216-864-11	SHORT CHIP	0		
R3175	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3176	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3177	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3202	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3203	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R3215	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3216	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3217	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3228	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3231	1-216-805-11	METAL CHIP	47	5%	1/10W
R3232	1-216-805-11	METAL CHIP	47	5%	1/10W
R3233	1-216-805-11	METAL CHIP	47	5%	1/10W
R3234	1-216-805-11	METAL CHIP	47	5%	1/10W
R3240	1-216-864-11	SHORT CHIP	0		
R3325	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3326	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3327	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3402	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3403	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R3424	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3425	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3426	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3427	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3428	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3429	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3430	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3431	1-216-805-11	METAL CHIP	47	5%	1/10W
R3432	1-216-805-11	METAL CHIP	47	5%	1/10W
R3433	1-216-805-11	METAL CHIP	47	5%	1/10W
R3434	1-216-805-11	METAL CHIP	47	5%	1/10W
R3440	1-216-864-11	SHORT CHIP	0		
R3550	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R3551	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3552	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3553	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3554	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3556	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3558	1-218-851-11	METAL CHIP	1.5K	0.5%	1/10W
R3562	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R3936	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3940	1-216-864-11	SHORT CHIP	0		

< COMPOSITION CIRCUIT BLOCK >

RB500	1-234-945-21	RES, NETWORK	100 (1005X4)		
RB501	1-234-945-21	RES, NETWORK	100 (1005X4)		
RB502	1-234-945-21	RES, NETWORK	100 (1005X4)		
RB503	1-234-945-21	RES, NETWORK	100 (1005X4)		
RB504	1-234-945-21	RES, NETWORK	100 (1005X4)		
RB701	1-234-945-21	RES, NETWORK	100 (1005X4)		

< TERMINAL >

TB3901	1-780-817-11	TERMINAL BOARD (SPEAKER) 4P (SPEAKERS)			
TB3902	1-780-452-11	TERMINAL BOARD (SPEAKER) 2P (SPEAKERS)			

< VIBRATOR >

X500	1-795-059-21	VIBRATOR, CERAMIC (5MHz)			
X700	1-814-106-21	VIBRATOR, CRYSTAL (24.576MHz)			
X3051	1-814-266-11	VIBRATOR, CRYSTAL (49.152MHz)			

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	A-1762-831-A	MB-134 BOARD, COMPLETE (for SERVICE) (E370: US)			
	A-1762-832-A	MB-134 BOARD, COMPLETE (for SERVICE) (E370: CND)			
	A-1762-833-A	MB-134 BOARD, COMPLETE (for SERVICE) (E370: AEP)			
	A-1762-834-A	MB-134 BOARD, COMPLETE (for SERVICE) (E370: UK)			
	A-1762-842-A	MB-134 BOARD, COMPLETE (for SERVICE) (T57)			
	A-1762-844-A	MB-134 BOARD, COMPLETE (for SERVICE) (E570)			
	A-1762-848-A	MB-134 BOARD, COMPLETE (for SERVICE) (E870: CND)			
	A-1762-858-A	MB-134 BOARD, COMPLETE (for SERVICE) (E470)			
	A-1762-859-A	MB-134 BOARD, COMPLETE (for SERVICE) (E870: AEP)			
	A-1762-860-A	MB-134 BOARD, COMPLETE (for SERVICE) (E870: UK)			

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< CAPACITOR >

C102	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C104	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C105	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C106	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C107	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C109	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C110	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C111	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C112	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C113	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C114	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C115	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C116	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C118	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C119	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C120	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C122	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C123	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C124	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V

MB-134

Ref. No.	Part No.	Description			Remark
C127	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C128	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C129	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C130	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C134	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C135	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C137	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C138	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C139	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C140	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C141	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C142	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C143	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C144	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C145	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C146	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C147	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C148	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C150	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C151	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C153	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C154	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C156	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C159	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C161	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C162	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C164	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C166	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C168	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C170	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C201	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C203	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C204	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C205	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C206	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C207	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C209	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C211	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C214	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C215	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C216	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C217	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C220	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C222	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C225	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C226	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C227	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C228	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C230	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C231	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C232	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C233	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C234	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C235	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C236	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C239	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C240	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C242	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C243	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C245	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C246	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C247	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C248	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C250	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C252	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C254	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C256	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C258	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C259	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C301	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C302	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C310	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C311	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C313	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C318	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C321	1-114-334-11	CERAMIC CHIP	10uF	10%	25V
C323	1-114-806-11	CERAMIC CHIP	0.0082uF	10%	25V
C330	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C331	1-112-776-11	CERAMIC CHIP	0.0047uF	10%	50V
C335	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C336	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C337	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C340	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C341	1-114-334-11	CERAMIC CHIP	10uF	10%	25V
C345	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C346	1-114-802-11	CERAMIC CHIP	0.0033uF	10%	50V
C347	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C348	1-114-802-11	CERAMIC CHIP	0.0033uF	10%	50V
C349	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C350	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C351	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C352	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C353	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C359	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C363	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C365	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C368	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C369	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C373	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C377	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C379	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C403	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C405	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C416	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C418	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C423	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C424	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C427	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C431	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C433	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C436	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C437	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C440	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C447	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C448	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C504	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C505	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C506	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C604	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C605	1-165-908-11	CERAMIC CHIP	1uF	10%	10V

Ref. No.	Part No.	Description			Remark
C606	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C608	1-128-993-21	ELECT CHIP	22uF	20%	10V
C609	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C610	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C613	1-128-394-11	ELECT CHIP	220uF	20%	10V
C614	1-128-394-11	ELECT CHIP	220uF	20%	10V
C619	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C620	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C701	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C702	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C703	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C705	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C706	1-128-994-21	ELECT CHIP	47uF	20%	10V
C707	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C708	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C713	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C715	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C716	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C717	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C719	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C720	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C721	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C805	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
C806	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
C809	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C810	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C815	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C927	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C928	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C1001	1-128-994-21	ELECT CHIP	47uF	20%	10V
C1002	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1004	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1006	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C1008	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1009	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1010	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1012	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1014	1-128-994-21	ELECT CHIP	47uF	20%	10V
C1015	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1016	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1017	1-128-994-21	ELECT CHIP	47uF	20%	10V
C1018	1-128-993-21	ELECT CHIP	22uF	20%	10V
C1101	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1102	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1103	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1104	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1105	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1107	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1108	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1109	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1111	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1201	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C1206	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1208	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1210	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
C1213	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1214	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
C1215	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1216	1-164-854-11	CERAMIC CHIP	15PF	5%	50V
C1217	1-164-854-11	CERAMIC CHIP	15PF	5%	50V
C1218	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1305	1-117-681-11	ELECT CHIP	100uF	20%	16V
C1326	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1361	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1362	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C1363	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1365	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1366	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C1367	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1370	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1382	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1383	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1384	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1385	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1386	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1387	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1388	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1389	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1398	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1399	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1400	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1409	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1410	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1413	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C1414	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C1415	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C1417	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1418	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C1421	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C1422	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1423	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1425	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1426	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1427	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C1429	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C1434	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1435	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1451	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1452	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1454	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1456	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1457	1-117-681-11	ELECT CHIP	100uF	20%	16V
C1461	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1462	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1468	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1469	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1470	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1472	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1473	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
C1474	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C1475	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
C1476	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1477	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1480	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1481	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1491	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1493	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C1499	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2300	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2308	1-114-214-81	CERAMIC CHIP	470PF	5%	50V

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Ref. No.	Part No.	Description			Remark
C2309	1-114-214-81	CERAMIC CHIP	470PF	5%	50V
C2322	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2324	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2364	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2371	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2400	1-117-681-11	ELECT CHIP	100uF	20%	16V
C2401	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2402	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2403	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2404	1-114-130-11	CERAMIC CHIP	1uF	10%	6.3V
C2405	1-114-869-11	CERAMIC CHIP	2.2uF	10%	6.3V
C2416	1-114-214-81	CERAMIC CHIP	470PF	5%	50V
C2417	1-114-214-81	CERAMIC CHIP	470PF	5%	50V
C2418	1-112-775-11	CERAMIC CHIP	0.0022uF	10%	50V
C2419	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2420	1-164-870-11	CERAMIC CHIP	68PF	5%	50V
C2421	1-164-870-11	CERAMIC CHIP	68PF	5%	50V
C2422	1-164-870-11	CERAMIC CHIP	68PF	5%	50V
C2432	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C2433	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C2438	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2440	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2450	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2460	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2470	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C2481	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C2486	1-100-909-11	CERAMIC CHIP	10uF	10%	6.3V
C2491	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C2495	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C2499	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
		< CONNECTOR >			
CN303	1-766-383-21	PIN, CONNECTOR (1.5mm) (SMD) 12P			
CN601	1-573-768-21	PIN, CONNECTOR (1.5mm) (SMD) 5P			
CN602	1-573-768-61	PIN, CONNECTOR (1.5mm) (SMD) 5P			
CN701	1-820-735-31	HDMI CONNECTOR (HDMI ARC OUT)			
CN901	1-779-332-51	CONNECTOR, FFC/FPC 16P			
CN902	1-779-333-51	CONNECTOR, FFC/FPC 18P			
CN1102	1-573-806-21	PIN, CONNECTOR (1.5mm) (SMD) 6P			
CN1201	1-819-875-31	ETHERNET CONNECTOR (8P) (LAN (100))			
CN1401	1-822-601-51	CONNECTOR, FFC/FPC (ZIF) 45P			
CN1505	1-794-341-51	CONNECTOR, FFC/FPC 27P			
CN2460	1-820-112-51	CONNECTOR, FFC/FPC 9P			
CN2470	1-794-362-51	CONNECTOR, FFC/FPC 5P			
		< DIODE >			
D302	6-502-964-01	DIODE DZ2J047M0L			
D303	6-502-248-01	DIODE KDZTR3.9B			
D304	6-502-248-01	DIODE KDZTR3.9B			
D601	6-502-961-01	DIODE DA2J10100L			
D602	6-502-961-01	DIODE DA2J10100L			
D603	6-500-701-01	DIODE PGB1010603NR			
D604	6-500-701-01	DIODE PGB1010603NR			
D605	6-500-701-01	DIODE PGB1010603NR			
D606	6-500-701-01	DIODE PGB1010603NR			
		< RESISTOR >			
FB2300	1-244-161-81	METAL CHIP	2.2	5%	1/16W
FB2403	1-244-161-81	METAL CHIP	2.2	5%	1/16W
FB2481	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description	Remark
		< FILTER >	
FL301	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL302	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
		< IC >	
IC101	(Not supplied)	IC CXD9983GG (E370: US/E470/E570/T57)	
IC101	(Not supplied)	IC CXD9984GG (E370: CND, AEP, UK/E870)	
IC104	(Not supplied)	IC K4T1G164QE-HCF8	
IC105	(Not supplied)	IC K4T1G164QE-HCF8	
IC204	(Not supplied)	IC K4T1G164QE-HCF8	
IC205	(Not supplied)	IC K4T1G164QE-HCF8	
IC303	6-709-932-01	IC MM3141CNRE	
IC307	(Not supplied)	IC MM3293DNRE	
IC308	6-714-889-01	IC MP2301ENE-LF-Z	
IC309	6-714-911-01	IC TPS54325PWPR	
IC310	6-714-911-01	IC TPS54325PWPR	
IC311	(Not supplied)	IC BD3539NUX-TR	
IC312	6-714-890-01	IC MM1855AHBE	
IC501	(Not supplied)	IC K9GAG08U0D-PCB0T	
IC502	(Not supplied)	IC MX25L1605DM2I-12G	
IC601	6-712-613-01	IC SI-3010KM-TLS	
IC602	6-712-613-01	IC SI-3010KM-TLS	
IC701	6-709-888-01	IC TC7WHU04FK (T5RSOYF	
IC704	6-702-302-01	IC TK11133CSCL-G	
IC705	6-705-337-01	IC TK11150CSCL-G	
IC1001	6-711-237-01	IC NJM2878F3-33 (TE2)	
IC1002	6-714-112-01	IC NJM2828F3-05	
IC1003	6-714-834-01	IC MM1797CVBE	
IC1101	6-713-555-01	IC MFI341S2161	
IC1201	6-712-663-11	IC LAN8700C-AEZG-CTI	
IC1451	6-713-929-01	IC BD35630HFV-TR	
IC2301	6-714-902-01	IC TPIC1391DBTRG4	
IC2401	6-714-901-01	IC TPIC1405DFDRG4	
		< JACK >	
J904	1-822-993-11	JACK, PIN (VIDEO OUT, COMPONENT VIDEO OUT)	
		< COIL >	
L301	1-457-735-11	INDUCTOR 10uH	
L302	1-400-789-21	INDUCTOR 2.2uH	
L303	1-457-771-11	INDUCTOR 2.2uH	
L304	1-457-771-11	INDUCTOR 2.2uH	
L305	1-400-789-21	INDUCTOR 2.2uH	
L306	1-400-789-21	INDUCTOR 2.2uH	
L603	1-414-840-21	INDUCTOR 10nH	
L604	1-414-840-21	INDUCTOR 10nH	
L605	1-414-840-21	INDUCTOR 10nH	
L606	1-414-840-21	INDUCTOR 10nH	
L607	1-457-223-11	COMMON MODE CHOKE COIL	
L608	1-457-223-11	COMMON MODE CHOKE COIL	
L1201	1-457-223-11	COMMON MODE CHOKE COIL	
L1202	1-457-223-11	COMMON MODE CHOKE COIL	
L2322	1-481-551-21	INDUCTOR 1.5uH	
L2324	1-481-551-21	INDUCTOR 1.5uH	
		< FUSE >	
⚠ PS301	1-523-094-31	FUSE (2A/50V)	

Note: IC101, IC104, IC105, IC204, IC205, IC307, IC311, IC501 and IC502 on the MB-134 board cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

Ref. No.	Part No.	Description			Remark
⚠ PS302	1-523-095-31	FUSE (3.15A/32V)			
⚠ PS303	1-523-074-31	FUSE (1A/32V)			
⚠ PS304	1-523-095-31	FUSE (3.15A/32V)			
		< CONTACT TERMINAL >			
PT101	1-780-729-12	CONTACT TERMINAL			
PT103	1-780-729-12	CONTACT TERMINAL			
PT104	1-780-729-12	CONTACT TERMINAL			
PT105	1-780-729-12	CONTACT TERMINAL			
PT106	1-780-729-12	CONTACT TERMINAL			
PT107	1-780-638-22	CONTACT TERMINAL			
		< TRANSISTOR >			
Q301	8-729-028-96	TRANSISTOR	DTC114EUA-T106		
Q302	6-550-516-01	TRANSISTOR	FDC642P		
Q303	8-729-028-96	TRANSISTOR	DTC114EUA-T106		
Q702	6-551-714-01	FET	INK0001AC1-T112A-1		
		< RESISTOR >			
R101	1-218-941-11	METAL CHIP	100	5%	1/16W
R106	1-218-941-81	METAL CHIP	100	5%	1/16W
R107	1-218-941-81	METAL CHIP	100	5%	1/16W
R201	1-218-941-11	METAL CHIP	100	5%	1/16W
R206	1-218-941-81	METAL CHIP	100	5%	1/16W
R207	1-218-941-81	METAL CHIP	100	5%	1/16W
R305	1-218-953-11	METAL CHIP	1K	5%	1/16W
R306	1-218-953-11	METAL CHIP	1K	5%	1/16W
R312	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R318	1-218-953-11	METAL CHIP	1K	5%	1/16W
R319	1-218-990-81	SHORT CHIP	0		
R320	1-218-990-81	SHORT CHIP	0		
R321	1-208-923-11	METAL CHIP	33K	0.5%	1/16W
R322	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R323	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R327	1-218-953-11	METAL CHIP	1K	5%	1/16W
R329	1-218-953-11	METAL CHIP	1K	5%	1/16W
R330	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R331	1-208-713-11	METAL CHIP	18K	0.5%	1/16W
R332	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R333	1-208-697-11	METAL CHIP	3.9K	0.5%	1/16W
R334	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R335	1-208-661-11	METAL CHIP	120	0.5%	1/16W
R343	1-218-953-11	METAL CHIP	1K	5%	1/16W
R355	1-218-945-11	METAL CHIP	220	5%	1/16W
R362	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R363	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R374	1-218-971-11	METAL CHIP	33K	5%	1/16W
R375	1-218-975-11	METAL CHIP	68K	5%	1/16W
R376	1-218-953-11	METAL CHIP	1K	5%	1/16W
R379	1-216-864-11	SHORT CHIP	0		
R401	1-216-295-91	SHORT CHIP	0		
R402	1-216-295-91	SHORT CHIP	0		
R403	1-218-952-11	METAL CHIP	820	5%	1/16W
R404	1-218-977-11	METAL CHIP	100K	5%	1/16W
R516	1-218-990-81	SHORT CHIP	0		
R523	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R525	1-218-990-81	SHORT CHIP	0		
R526	1-218-977-11	METAL CHIP	100K	5%	1/16W
R528	1-218-937-11	METAL CHIP	47	5%	1/16W

Ref. No.	Part No.	Description			Remark
R529	1-218-965-11	METAL CHIP	10K	5%	1/16W
R530	1-218-965-11	METAL CHIP	10K	5%	1/16W
R531	1-218-990-81	SHORT CHIP	0		
R601	1-218-864-11	METAL CHIP	5.1K	0.5%	1/10W
R606	1-218-990-81	SHORT CHIP	0		
R610	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R611	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
R612	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R613	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R614	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
R615	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R618	1-218-965-11	METAL CHIP	10K	5%	1/16W
R619	1-218-965-11	METAL CHIP	10K	5%	1/16W
R620	1-216-295-91	SHORT CHIP	0		
R701	1-218-965-11	METAL CHIP	10K	5%	1/16W
R702	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R703	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R706	1-218-970-11	METAL CHIP	27K	5%	1/16W
R709	1-218-990-81	SHORT CHIP	0		
R710	1-218-990-81	SHORT CHIP	0		
R711	1-218-981-91	METAL CHIP	220K	5%	1/16W
R712	1-218-990-81	SHORT CHIP	0		
R713	1-218-949-11	METAL CHIP	470	5%	1/16W
R714	1-218-990-81	SHORT CHIP	0		
R715	1-218-973-11	METAL CHIP	47K	5%	1/16W
R717	1-218-939-11	METAL CHIP	68	5%	1/16W
R718	1-218-939-11	METAL CHIP	68	5%	1/16W
R734	1-218-967-11	METAL CHIP	15K	5%	1/16W
R735	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R736	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R739	1-218-967-11	METAL CHIP	15K	5%	1/16W
R740	1-216-864-11	SHORT CHIP	0		
R741	1-216-864-11	SHORT CHIP	0		
R743	1-216-864-11	SHORT CHIP	0		
R744	1-216-864-11	SHORT CHIP	0		
R749	1-218-973-11	METAL CHIP	47K	5%	1/16W
R752	1-218-953-11	METAL CHIP	1K	5%	1/16W
R805	1-218-977-11	METAL CHIP	100K	5%	1/16W
R806	1-218-951-11	METAL CHIP	680	5%	1/16W
R807	1-218-941-11	METAL CHIP	100	5%	1/16W
R808	1-208-709-11	METAL CHIP	12K	0.5%	1/16W
R903	1-218-990-81	SHORT CHIP	0		
R904	1-218-990-81	SHORT CHIP	0		
R905	1-218-990-81	SHORT CHIP	0		
R906	1-218-937-11	METAL CHIP	47	5%	1/16W
R907	1-218-937-11	METAL CHIP	47	5%	1/16W
R908	1-218-937-11	METAL CHIP	47	5%	1/16W
R909	1-218-937-11	METAL CHIP	47	5%	1/16W
R910	1-218-990-81	SHORT CHIP	0		
R911	1-218-990-81	SHORT CHIP	0		
R912	1-218-937-11	METAL CHIP	47	5%	1/16W
R913	1-218-990-81	SHORT CHIP	0		
R914	1-218-990-81	SHORT CHIP	0		
R916	1-218-990-81	SHORT CHIP	0		
R917	1-218-990-81	SHORT CHIP	0		
R918	1-218-990-81	SHORT CHIP	0		
R919	1-218-990-81	SHORT CHIP	0		
R920	1-218-990-81	SHORT CHIP	0		
R921	1-218-990-81	SHORT CHIP	0		
R922	1-218-990-81	SHORT CHIP	0		

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Ref. No.	Part No.	Description			Remark
R923	1-218-990-81	SHORT CHIP	0		
R924	1-218-990-81	SHORT CHIP	0		
R925	1-218-990-81	SHORT CHIP	0		
R926	1-218-990-81	SHORT CHIP	0		
R927	1-218-990-81	SHORT CHIP	0		
R928	1-218-990-81	SHORT CHIP	0		
R929	1-218-933-11	METAL CHIP	22	5%	1/16W
R930	1-218-933-11	METAL CHIP	22	5%	1/16W
R931	1-218-933-11	METAL CHIP	22	5%	1/16W
R932	1-218-937-11	METAL CHIP	47	5%	1/16W
R933	1-218-990-81	SHORT CHIP	0		
R934	1-218-990-81	SHORT CHIP	0		
R935	1-218-933-11	METAL CHIP	22	5%	1/16W
R936	1-218-965-11	METAL CHIP	10K	5%	1/16W
R939	1-218-990-81	SHORT CHIP	0		
R940	1-218-933-11	METAL CHIP	22	5%	1/16W
R1005	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R1006	1-218-990-81	SHORT CHIP	0		
R1007	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1008	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1009	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1010	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1011	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1012	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R1013	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1016	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1028	1-220-169-11	METAL CHIP	75	5%	1/16W
R1029	1-220-169-11	METAL CHIP	75	5%	1/16W
R1030	1-220-169-11	METAL CHIP	75	5%	1/16W
R1031	1-220-169-11	METAL CHIP	75	5%	1/16W
R1032	1-218-990-81	SHORT CHIP	0		
R1033	1-218-990-81	SHORT CHIP	0		
R1034	1-218-990-81	SHORT CHIP	0		
R1035	1-218-990-81	SHORT CHIP	0		
R1101	1-218-990-81	SHORT CHIP	0		
R1102	1-218-990-81	SHORT CHIP	0		
R1103	1-218-990-81	SHORT CHIP	0		
R1107	1-218-990-81	SHORT CHIP	0		
R1110	1-218-990-81	SHORT CHIP	0		
R1115	1-218-990-81	SHORT CHIP	0		
R1116	1-218-990-81	SHORT CHIP	0		
R1117	1-218-990-81	SHORT CHIP	0		
R1118	1-218-990-81	SHORT CHIP	0		
R1119	1-218-937-11	METAL CHIP	47	5%	1/16W
R1120	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1121	1-218-941-81	METAL CHIP	100	5%	1/16W
R1122	1-218-990-81	SHORT CHIP	0		
R1123	1-218-990-81	SHORT CHIP	0		
R1124	1-218-937-11	METAL CHIP	47	5%	1/16W
R1125	1-218-990-81	SHORT CHIP	0		
R1127	1-218-941-81	METAL CHIP	100	5%	1/16W
R1131	1-218-990-81	SHORT CHIP	0		
R1132	1-218-990-81	SHORT CHIP	0		
R1133	1-218-990-81	SHORT CHIP	0		
R1134	1-218-990-81	SHORT CHIP	0		
R1135	1-218-990-81	SHORT CHIP	0		
R1136	1-218-990-81	SHORT CHIP	0		
R1138	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1139	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1141	1-218-990-81	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R1147	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1149	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1152	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1153	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1156	1-218-941-81	METAL CHIP	100	5%	1/16W
R1157	1-218-990-81	SHORT CHIP	0		
R1162	1-218-937-11	METAL CHIP	47	5%	1/16W
R1163	1-218-937-11	METAL CHIP	47	5%	1/16W
R1164	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1165	1-218-941-81	METAL CHIP	100	5%	1/16W
R1169	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1189	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1190	1-218-941-81	METAL CHIP	100	5%	1/16W
R1191	1-216-864-11	SHORT CHIP	0		
R1201	1-218-929-11	METAL CHIP	10	5%	1/16W
R1204	1-245-567-81	METAL CHIP	49.9	0.5%	1/16W
R1205	1-245-567-81	METAL CHIP	49.9	0.5%	1/16W
R1206	1-245-567-81	METAL CHIP	49.9	0.5%	1/16W
R1207	1-245-567-81	METAL CHIP	49.9	0.5%	1/16W
R1208	1-208-692-11	METAL CHIP	2.4K	0.5%	1/16W
R1209	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R1210	1-218-941-81	METAL CHIP	100	5%	1/16W
R1213	1-218-941-81	METAL CHIP	100	5%	1/16W
R1214	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1215	1-218-941-81	METAL CHIP	100	5%	1/16W
R1216	1-218-941-81	METAL CHIP	100	5%	1/16W
R1217	1-218-941-81	METAL CHIP	100	5%	1/16W
R1218	1-218-941-81	METAL CHIP	100	5%	1/16W
R1219	1-218-955-11	METAL CHIP	1.5K	5%	1/16W
R1220	1-218-941-81	METAL CHIP	100	5%	1/16W
R1226	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1227	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1231	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1232	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1247	1-218-941-81	METAL CHIP	100	5%	1/16W
R1302	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1308	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1370	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1371	1-218-929-11	METAL CHIP	10	5%	1/16W
R1372	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R1410	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R1412	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1429	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R1435	1-218-929-11	METAL CHIP	10	5%	1/16W
R1452	1-208-933-11	METAL CHIP	82K	0.5%	1/16W
R1453	1-208-956-81	METAL CHIP	750K	0.5%	1/16W
R1454	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1470	1-208-889-11	METAL CHIP	1.2K	0.5%	1/16W
R1471	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R1503	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1524	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1535	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R1536	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1540	1-218-990-81	SHORT CHIP	0		
R1543	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1546	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1551	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1552	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1554	1-218-990-81	SHORT CHIP	0		
R1562	1-218-977-11	METAL CHIP	100K	5%	1/16W

Ref. No.	Part No.	Description			Remark
R1563	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1565	1-218-990-81	SHORT CHIP	0		
R1566	1-218-990-81	SHORT CHIP	0		
R1567	1-218-990-81	SHORT CHIP	0		
R1568	1-218-990-81	SHORT CHIP	0		
R1569	1-218-990-81	SHORT CHIP	0		
R1570	1-218-990-81	SHORT CHIP	0		
R1571	1-218-990-81	SHORT CHIP	0		
R1572	1-218-990-81	SHORT CHIP	0		
R1573	1-218-990-81	SHORT CHIP	0		
R1574	1-218-990-81	SHORT CHIP	0		
R1575	1-218-990-81	SHORT CHIP	0		
R1576	1-218-990-81	SHORT CHIP	0		
R1577	1-218-990-81	SHORT CHIP	0		
R1578	1-218-990-81	SHORT CHIP	0		
R1579	1-218-990-81	SHORT CHIP	0		
R1580	1-218-990-81	SHORT CHIP	0		
R1581	1-218-990-81	SHORT CHIP	0		
R1582	1-218-990-81	SHORT CHIP	0		
R1584	1-218-990-81	SHORT CHIP	0		
R1585	1-218-990-81	SHORT CHIP	0		
R1586	1-218-941-81	METAL CHIP	100	5%	1/16W
R1598	1-218-990-81	SHORT CHIP	0		
R1609	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1611	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1612	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1613	1-218-977-11	METAL CHIP	100K	5%	1/16W
R2307	1-218-973-11	METAL CHIP	47K	5%	1/16W
R2308	1-218-969-11	METAL CHIP	22K	5%	1/16W
R2309	1-218-969-11	METAL CHIP	22K	5%	1/16W
R2411	1-218-971-11	METAL CHIP	33K	5%	1/16W
R2412	1-218-971-11	METAL CHIP	33K	5%	1/16W
R2416	1-208-720-11	METAL CHIP	36K	0.5%	1/16W
R2417	1-208-720-11	METAL CHIP	36K	0.5%	1/16W
R2418	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2419	1-218-990-81	SHORT CHIP	0		
R2420	1-220-203-11	METAL CHIP	51K	5%	1/16W
R2421	1-220-206-11	METAL CHIP	91K	5%	1/16W
R2422	1-220-206-11	METAL CHIP	91K	5%	1/16W
R2442	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R2444	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R2446	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R2447	1-248-476-11	RES-CHIP	0.16	1%	1/3W
R2483	1-218-990-81	SHORT CHIP	0		
R2487	1-218-990-81	SHORT CHIP	0		
R2492	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R2494	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R2496	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB101	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB102	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB103	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB104	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB105	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB106	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB201	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB202	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB203	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB204	1-234-372-11	RES, NETWORK	100 (1005X4)		

Ref. No.	Part No.	Description			Remark
RB205	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB206	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB1101	1-234-378-21	RES, NETWORK	10K (1005X4)		
RB1102	1-234-378-21	RES, NETWORK	10K (1005X4)		
RB1103	1-234-378-21	RES, NETWORK	10K (1005X4)		
RB1201	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB1503	1-234-372-11	RES, NETWORK	100 (1005X4)		
		< THERMISTOR >			
TH1501	1-804-949-11	THERMISTOR, NTC (SMD)			
		< VIBRATOR >			
X401	1-814-278-11	VIBRATOR, CRYSTAL (27MHz)			
X802	1-814-242-11	VIBRATOR, CRYSTAL (25MHz)			
X1201	1-814-242-11	VIBRATOR, CRYSTAL (25MHz)			
**********					
		P-KEY BOARD			
		**********			
		< CAPACITOR >			
C750	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
* CN750	1-580-055-21	PIN, CONNECTOR (SMD) 2P			
		< RESISTOR >			
R750	1-216-809-11	METAL CHIP	100	5%	1/10W
		< SWITCH >			
S750	1-786-650-21	SWITCH, TACTILE (I/⏻)			
**********					
	A-1745-451-A	POWER BOARD, COMPLETE (E370: AEP, UK/E870: AEP, UK)			
	A-1745-455-A	POWER BOARD, COMPLETE (EXCEPT E370: AEP, UK/E870: AEP, UK)			
		**********			
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3			
		< CAPACITOR >			
⚠ C901	1-114-594-21	FILM	0.22uF	10%	310V
⚠ C902	1-114-594-21	FILM	0.22uF	10%	310V (E370: AEP, UK/E870: AEP, UK)
⚠ C902	1-116-397-21	FILM	0.33uF	10%	310V (EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ C903	1-112-330-11	ELECT (BLOCK)	1000uF	20%	200V (EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ C903	1-112-332-11	ELECT (BLOCK)	330uF	20%	400V (E370: AEP, UK/E870: AEP, UK)
⚠ C905	1-116-392-11	FILM	0.01uF	5%	400V (EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ C905	1-116-393-11	FILM	0.0033uF	5%	400V (E370: AEP, UK/E870: AEP, UK)
⚠ C906	1-117-815-11	FILM	1000PF	3%	1.5KV (E370: AEP, UK/E870: AEP, UK)
⚠ C907	1-162-964-91	CERAMIC CHIP	0.001uF	10%	50V (E370: AEP, UK/E870: AEP, UK)
⚠ C907	1-162-965-91	CERAMIC CHIP	0.0015uF	10%	50V (EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ C908	1-107-909-91	ELECT	47uF	20%	50V

Note: When the POWER board is replaced, spread the compound referring to "NOTE OF REPLACING THE D913, D931, IC901 AND IC921 ON THE POWER BOARD AND THE COMPLETE POWER BOARD" on servicing notes (page 9).

POWER

Ref. No.	Part No.	Description			Remark
⚠ C909	1-162-960-91	CERAMIC CHIP	220PF	10%	50V
⚠ C910	1-126-965-91	ELECT	22uF	20%	50V
⚠ C916	1-116-078-11	CERAMIC CHIP	1uF	10%	50V
⚠ C918	1-112-887-51	CERAMIC	0.01uF	20%	250V
⚠ C920	1-112-887-51	CERAMIC	0.01uF	20%	250V
⚠ C921	1-117-220-81	CERAMIC	150PF	5%	2KV
⚠ C922	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
⚠ C923	1-164-390-91	CERAMIC CHIP	330PF	5%	50V
⚠ C924	1-116-393-11	FILM	0.0033uF	5%	400V
⚠ C925	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
⚠ C926	1-107-930-91	ELECT	22uF	20%	100V
C927	1-112-223-11	ELECT	3300uF	20%	10V
C928	1-112-232-11	ELECT	2700uF	20%	16V
C929	1-112-241-21	ELECT	1000uF	20%	25V
C932	1-114-994-11	ELECT	2200uF	20%	35V
C933	1-114-994-11	ELECT	2200uF	20%	35V
C934	1-112-831-31	ELECT	2200uF	20%	35V
C935	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C936	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C937	1-100-756-91	CERAMIC CHIP	0.047uF	10%	50V
⚠ C938	1-112-869-51	CERAMIC	470PF	10%	250V
C939	1-136-165-00	FILM	0.1uF	5%	50V
C940	1-112-228-21	ELECT	1000uF	20%	16V
C942	1-126-941-11	ELECT	470uF	20%	25V
C943	1-126-934-11	ELECT	220uF	20%	16V (E370: AEP, UK/E870: AEP, UK)
C943	1-126-935-11	ELECT	470uF	20%	16V (EXCEPT E370: AEP, UK/E870: AEP, UK)
C950	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C951	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
⚠ C963	1-112-869-51	CERAMIC	470PF	10%	250V (E370: AEP, UK/E870: AEP, UK)
⚠ C963	1-112-870-51	CERAMIC	0.001uF	20%	250V (EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ C964	1-112-869-51	CERAMIC	470PF	10%	250V (E370: AEP, UK/E870: AEP, UK)
⚠ C964	1-112-870-51	CERAMIC	0.001uF	20%	250V (EXCEPT E370: AEP, UK/E870: AEP, UK)
C971	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C972	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C973	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C975	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
⚠ C980	1-117-828-11	FILM	3300PF	3%	1.5KV (EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ C981	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
C983	1-100-756-91	CERAMIC CHIP	0.047uF	10%	50V
C984	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C987	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C990	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C991	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C992	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C993	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
⚠ C994	1-112-869-51	CERAMIC	470PF	10%	250V (E370: AEP, UK/E870: AEP, UK)
C997	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V (E370: AEP, UK/E870: AEP, UK)
C997	1-116-078-11	CERAMIC CHIP	1uF	10%	50V (EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ C998	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
		< CONNECTOR >			
⚠ CN901	1-564-321-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN904	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
		< DIODE >			
⚠ D901	8-719-082-57	DIODE D5SBA60F01			
⚠ D902	8-719-063-74	DIODE D1NL20U-TR2			
⚠ D906	6-501-817-01	DIODE MA2J1110GLS0			
⚠ D907	6-501-817-01	DIODE MA2J1110GLS0			
⚠ D908	6-501-817-01	DIODE MA2J1110GLS0			
⚠ D909	6-501-817-01	DIODE MA2J1110GLS0			
⚠ D910	6-501-817-01	DIODE MA2J1110GLS0			
⚠ D913	6-500-241-01	DIODE SARS03			
⚠ D914	6-501-817-01	DIODE MA2J1110GLS0			
D931	6-501-849-01	DIODE FMX-22SL			
D942	6-502-518-01	DIODE 50PQSA065-FA9			
D943	8-719-080-53	DIODE RK36LF-B3			
⚠ D946	6-502-234-01	DIODE EG01C LF-F7			
D954	6-500-288-11	DIODE EK19LF-F7			
D955	6-500-288-11	DIODE EK19LF-F7			
⚠ DZ901	6-501-782-01	DIODE MAZ8180GMLS0			
⚠ DZ902	6-502-231-01	DIODE MAZ8220GLLSO			
⚠ DZ903	6-501-787-01	DIODE MAZ8220GMLS0			
⚠ DZ905	6-501-792-01	DIODE MAZ8300GMLS0 (E370: AEP, UK/E870: AEP, UK)			
⚠ DZ905	8-719-083-71	DIODE UDZSUSTE-1730B (EXCEPT E370: AEP, UK/E870: AEP, UK)			
⚠ DZ915	6-501-760-01	DIODE MAZ8100GMLS0			
⚠ DZ951	8-719-083-71	DIODE UDZSUSTE-1730B			
⚠ DZ954	8-719-083-71	DIODE UDZSUSTE-1730B (E370: AEP, UK/E870: AEP, UK)			
		< FUSE HOLDER >			
FH901	1-533-217-31	FUSE HOLDER			
FH902	1-533-217-31	FUSE HOLDER			
		< FUSIBLE >			
⚠ FR929	1-246-373-11	FUSIBLE	1	10%	1/2W F
		< IC >			
⚠ IC901	6-707-741-01	IC STR-F6138-LF1352 (EXCEPT E370: AEP, UK/E870: AEP, UK)			
⚠ IC901	6-707-742-01	IC STR-F6168-LF1352 (E370: AEP, UK/E870: AEP, UK)			
⚠ IC921	6-714-671-01	IC STR-Y6763			
IC923	6-711-947-01	IC MM1431CURE			
IC932	6-711-947-01	IC MM1431CURE			
IC941	6-712-613-01	IC SI-3010KM-TLS			
		< COIL >			
L931	1-457-878-65	INDUCTOR	2.2uH		
L954	1-457-578-11	INDUCTOR	10uH		
L956	1-457-578-11	INDUCTOR	10uH		
L963	1-457-725-11	INDUCTOR	4.7uH		

Note 1: When D913 and D931 on the POWER board are replaced, spread the compound referring to "NOTE OF REPLACING THE D913, D931, IC901 AND IC921 ON THE POWER BOARD AND THE COMPLETE POWER BOARD" on servicing notes (page 9).

Note 2: When IC901 and IC921 on the POWER board are replaced, spread the compound referring to "NOTE OF REPLACING THE D913, D931, IC901 AND IC921 ON THE POWER BOARD AND THE COMPLETE POWER BOARD" on servicing notes (page 9).

Ref. No.	Part No.	Description				Remark
L964	1-457-725-11	INDUCTOR	4.7uH			
L967	1-469-525-91	INDUCTOR	10uH			
		< LINE FILTER >				
⚠ LF901	1-457-054-21	COIL, LINE FILTER				(E370: AEP, UK/E870: AEP, UK)
⚠ LF901	1-457-449-11	COIL, LINE FILTER				(EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ LF902	1-457-054-21	COIL, LINE FILTER				(E370: AEP, UK/E870: AEP, UK)
⚠ LF902	1-457-449-11	COIL, LINE FILTER				(EXCEPT E370: AEP, UK/E870: AEP, UK)
		< PHOTO COUPLER >				
⚠ PC901	6-600-276-01	PHOTO COUPLER	PS2561AL1-1-V-W			
⚠ PC902	6-600-276-01	PHOTO COUPLER	PS2561AL1-1-V-W			
⚠ PC903	6-600-276-01	PHOTO COUPLER	PS2561AL1-1-V-W			
		< TRANSISTOR >				
⚠ Q901	8-729-231-15	TRANSISTOR	2SA1015TP-YGR			
⚠ Q922	6-550-702-01	TRANSISTOR	2SC3243-TP-E			
Q943	8-729-029-14	TRANSISTOR	DTC144EUA-T106			
Q949	8-729-620-13	TRANSISTOR	2SC4154TP-1EF			
Q950	8-729-029-14	TRANSISTOR	DTC144EUA-T106			
Q969	6-551-699-01	TRANSISTOR	ISA1602AM1TP-1EF			
		< RESISTOR >				
⚠ R901	1-219-759-51	METAL	1M	5%	1/2W	F (EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ R901	1-240-938-51	METAL	1.5M	5%	0.5W	F (E370: AEP, UK/E870: AEP, UK)
⚠ R903	1-250-297-65	METAL OXIDE	100K	5%	3W	F (E370: AEP, UK/E870: AEP, UK)
⚠ R903	1-250-299-65	METAL OXIDE	33K	5%	3W	F (EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ R904	1-250-297-65	METAL OXIDE	100K	5%	3W	F (E370: AEP, UK/E870: AEP, UK)
⚠ R904	1-250-299-65	METAL OXIDE	33K	5%	3W	F (EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ R905	1-216-797-91	METAL CHIP	10	5%	1/10W	
⚠ R906	1-216-827-91	METAL CHIP	3.3K	5%	1/10W	
⚠ R907	1-216-833-91	METAL CHIP	10K	5%	1/10W	
⚠ R908	1-216-829-91	METAL CHIP	4.7K	5%	1/10W	
⚠ R909	1-216-833-91	METAL CHIP	10K	5%	1/10W	
⚠ R910	1-216-825-91	METAL CHIP	2.2K	5%	1/10W	
⚠ R911	1-216-813-91	METAL CHIP	220	5%	1/10W	
⚠ R912	1-216-363-61	METAL OXIDE	0.33	5%	2W	F (E370: AEP, UK/E870: AEP, UK)
⚠ R914	1-220-891-11	METAL	0.1	10%	5W	F (E370: AEP, UK/E870: AEP, UK)
⚠ R914	1-248-180-11	METAL	0.034	5%	5W	F (EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ R916	1-250-297-65	METAL OXIDE	100K	5%	3W	F
⚠ R917	1-216-829-91	METAL CHIP	4.7K	5%	1/10W	
⚠ R919	1-216-837-91	METAL CHIP	22K	5%	1/10W	
⚠ R922	1-250-262-41	METAL	0.39	5%	2W	F
⚠ R923	1-218-879-91	METAL CHIP	22K	0.5%	1/10W	
⚠ R925	1-216-797-91	METAL CHIP	10	5%	1/10W	
⚠ R926	1-218-847-91	METAL CHIP	1K	0.5%	1/10W	
R931	1-218-851-11	METAL CHIP	1.5K	0.5%	1/10W	
R932	1-218-879-11	METAL CHIP	22K	0.5%	1/10W	
R933	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R934	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R935	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R936	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R937	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R938	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	
R939	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W	
R940	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R941	1-218-895-11	METAL CHIP	100K	0.5%	1/10W	
R942	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R945	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R946	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R949	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
⚠ R951	1-218-875-91	METAL CHIP	15K	0.5%	1/10W	
R954	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W	
R955	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R956	1-216-817-11	METAL CHIP	470	5%	1/10W	
R959	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R963	1-218-839-11	METAL CHIP	470	0.5%	1/10W	
R965	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	
R966	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R967	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R972	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R976	1-216-833-11	METAL CHIP	10K	5%	1/10W	
⚠ R978	1-216-829-91	METAL CHIP	4.7K	5%	1/10W	
R979	1-216-841-11	METAL CHIP	47K	5%	1/10W	
⚠ R992	1-216-793-91	METAL CHIP	4.7	5%	1/10W	
R998	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W	
R999	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
		< TRANSFORMER >				
⚠ T901	1-443-649-11	TRANSFORMER, CONVERTER				(EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ T901	1-443-874-11	TRANSFORMER, CONVERTER				(E370: AEP, UK/E870: AEP, UK)
⚠ T903	1-445-320-11	TRANSFORMER, CONVERTER				
		< THERMISTOR >				
⚠ TH901	1-805-841-21	THERMISTOR, NTC 3.0				(EXCEPT E370: AEP, UK/E870: AEP, UK)
⚠ TH901	1-805-842-21	THERMISTOR, NTC 6.0				(E370: AEP, UK/E870: AEP, UK)
		< VARISTOR >				
⚠ VDR901	1-802-839-11	VARISTOR				
**********						
		REG BOARD				
		**********				
		< CAPACITOR >				
C400	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C401	1-126-934-11	ELECT	220uF	20%	16V	
C403	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C404	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C405	1-126-941-11	ELECT	470uF	20%	25V	
C408	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C409	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
C411	1-100-591-91	CERAMIC CHIP	1uF	10%	25V	
C412	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C414	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	

REG **R-USB**

Ref. No.	Part No.	Description			Remark
C415	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C426	1-104-666-11	ELECT	220uF	20%	25V
C428	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C431	1-126-949-11	ELECT	220uF	20%	35V
		< CONNECTOR >			
* CN400	1-691-774-11	PLUG (MICRO CONNECTOR) 12P			
CN403	1-784-926-11	PIN, CONNECTOR 11P			
		< DIODE >			
D402	8-719-083-63	DIODE UDZSUSTE-1713B			
D403	8-719-083-66	DIODE UDZSUSTE-1718B			
D405	8-719-083-87	DIODE UDZSUSTE-1733B			
D406	6-500-288-11	DIODE EK19LF-F7			
D407	6-500-288-11	DIODE EK19LF-F7			
		< IC >			
IC400	6-702-302-01	IC TK11133CSCL-G			
IC402	6-715-070-01	IC TK72270CSCL-GH			
		< COIL >			
L401	1-457-725-11	INDUCTOR	4.7uH		
		< TRANSISTOR >			
Q401	8-729-028-96	FET	DTC114EUA-T106		
Q402	6-551-460-01	TRANSISTOR	RSR025P03TL		
		< RESISTOR >			
R402	1-216-295-91	SHORT CHIP	0		
R404	1-216-295-91	SHORT CHIP	0		
R406	1-216-821-11	METAL CHIP	1K	5%	1/10W
R411	1-216-821-11	METAL CHIP	1K	5%	1/10W
R415	1-216-841-11	METAL CHIP	47K	5%	1/10W
R417	1-216-839-11	METAL CHIP	33K	5%	1/10W
R420	1-216-843-11	METAL CHIP	68K	5%	1/10W
R421	1-216-821-11	METAL CHIP	1K	5%	1/10W
R422	1-216-841-11	METAL CHIP	47K	5%	1/10W
R423	1-216-841-11	METAL CHIP	47K	5%	1/10W
**********					
		R-USB BOARD			
		**********			
		< CONNECTOR >			
CN150	1-842-128-11	USB CONNECTOR (USB)			
CN151	1-784-922-11	PIN, CONNECTOR 5P			
**********					
		MISCELLANEOUS			
		**********			
53	1-966-988-11	HARNESS (USB)			
56	1-966-989-12	HARNESS (USB)			
⚠ 57	1-777-071-83	CORD, POWER (AEP)			
⚠ 57	1-835-078-31	CORD, POWER (UK)			
⚠ 57	1-837-308-11	CORD, POWER-SUPPLY (US, CND)			
102	1-828-954-51	WIRE (FLAT TYPE) (9 CORE) (US, CND)			
102	1-828-964-51	WIRE (FLAT TYPE) (11 CORE) (AEP, UK)			
154	1-828-343-51	WIRE (FLAT TYPE) (15 CORE)			
155	1-828-400-51	WIRE (FLAT TYPE) (27 CORE)			
157	1-828-336-51	WIRE (FLAT TYPE) (15 CORE) (US, CND)			
157	1-828-346-51	WIRE (FLAT TYPE) (17 CORE) (AEP, UK)			
158	1-828-740-51	WIRE (FLAT TYPE) (18 CORE)			
159	1-828-730-51	WIRE (FLAT TYPE) (16 CORE)			
160	1-828-341-51	WIRE (FLAT TYPE) (15 CORE)			
202	A-1750-926-A	LOADING FOR SERVICE			
⚠ 206	8-820-430-02	DEVICE, OPTICAL (KEM-460AAA/C2RP)			
207	1-837-660-51	WIRE (FLAT TYPE) (9 CORE)			
208	1-837-658-51	WIRE (FLAT TYPE) (45 CORE)			
209	1-837-659-51	WIRE (FLAT TYPE) (5 CORE)			
⚠ F901	1-533-311-12	FUSE, GLASS (DIA.5) (8A/125V) (US, CND)			
⚠ F901	1-576-232-51	FUSE (H.B.C.) (T5AH/250V) (AEP, UK)			
M3001	1-787-931-11	DC FAN			
TU1	1-693-781-11	TUNER (FM) (US, CND)			
TU1	1-693-787-11	TUNER (FM) (AEP, UK)			

MEMO

REVISION HISTORY

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

Ver.	Date	Description of Revision
1.0	2010.02	New