

HCD-DZ100

SERVICE MANUAL



Ver. 1.6 2006.08



US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model

HCD-DZ100 is the amplifier, DVD/CD and tuner section in DAV-DZ100.

This system incorporates with Dolby*¹ Digital and Dolby Pro Logic (II) adaptive matrix surround decoder and the DTS*² Digital Surround System.

*1 Manufactured under license from Dolby Laboratories. "Dolby," "Pro Logic," and the double-D symbol are trademarks of Dolby Laboratories.

*2 Manufactured under license from Digital Theater Systems, Inc. "DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc.

Model Name Using Similar Mechanism	HCD-DZ300
Mechanism Type	CDM85-DVBU102
Optical Pick-up Name	KHM-310CAA/C2NP

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS for the US model

POWER OUTPUT AND
TOTAL HARMONIC
DISTORTION:

With 3 ohm loads, both channels driven, from 200 – 20,000 Hz; rated 55 watts per channel minimum RMS power, with no more than 0.7 % total harmonic distortion from 250 milli watts to rated output.

Amplifier section

North American model:

Surround mode (reference) music power output
Front: 120 W + 120 W
(with SS-TS31)
Center*: 120 W
(with SS-CT31)
Surround*: 120 W + 120 W
(with SS-TS31B)
Subwoofer*: 120 W
(with SS-WS31)

Other models:

Stereo mode (rated) 55 W + 55 W (3 ohms at 1 kHz, DIN)

Surround mode (reference) music power output
Front: 120 W + 120 W
(with SS-TS31)
Center*: 120 W
(with SS-CT31)
Surround*: 120 W + 120 W
(with SS-TS31B)
Subwoofer*: 120 W
(with SS-WS31)

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

Inputs

VIDEO/SAT (AUDIO IN) Sensitivity: 250/450 mV
Impedance: 50 kilohms
(EXCEPT AEP, UK, RU)
TV Sensitivity: 450 mV
Impedance: 50 kilohms
(AEP, UK, RU)

DVD system

Laser

Semiconductor laser
(DVD: λ = 650 nm)
(CD: λ = 790 nm)
Emission duration:
continuous

Signal format system

North American, Latin, and Mexican models:
NTSC

Other models: NTSC/PAL
Frequency response (at 2 CH STEREO mode)
DVD (PCM): 2 Hz to 22 kHz (± 1.0 dB)
CD: 2 Hz to 20 kHz (± 1.0 dB)

Tuner section

System PLL quartz-locked digital synthesizer system

FM tuner section

Tuning range
North American model: 87.5 – 108.0 MHz
(100 kHz step)

Other models: 87.5 – 108.0 MHz
(50 kHz step)

Antenna (aerial) FM wire antenna (aerial)

Antenna (aerial) terminals 75 ohms, unbalanced

Intermediate frequency 10.7 MHz

AM tuner section

Tuning range

North American, Latin, and Mexican models:
530 – 1,710 kHz (with the interval set at 10 kHz)
531 – 1,710 kHz (with the interval set at 9 kHz)

— Continued on next page —

SUPER AUDIO CD/DVD RECEIVER

9-879-674-07
2006H16-1
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Sony Corporation
Home Audio Division
Published by Sony Techno Create Corporation

SONY®

Middle eastern models: 531 – 1,602 kHz (with the interval set at 9 kHz)
Other models: 530 – 1,710 kHz (with the interval set at 10 kHz)
531 – 1,602 kHz (with the interval set at 9 kHz)
Antenna (aerial) AM loop antenna (aerial)
Intermediate frequency 450 kHz

Video section

Outputs Video: 1 Vp-p 75 ohms
S video:
Y: 1 Vp-p 75 ohms
C: 0.286 Vp-p 75 ohms
COMPONENT:
Y: 1 Vp-p 75 ohms
PB/CB, PR/CR: 0.7 Vp-p 75 ohms
(EXCEPT AEP, UK, RU)
Video: 1 Vp-p 75 ohms
R/G/B: 0.7 Vp-p 75 ohms
(AEP, UK, RU)

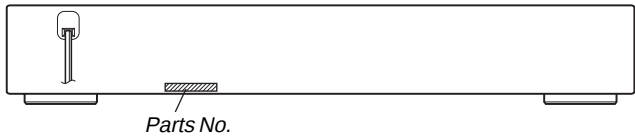
General

Power requirements
North American and Mexican models: 120 V AC, 60 Hz
Central/South American models: 110 – 240 V AC, 50/60 Hz
Taiwan model: 120 V AC, 50/60 Hz
Korean model: 220 V AC, 60 Hz
Other models: 220 – 240 V AC, 50/60 Hz
Power consumption On: 135 W
Standby: 0.3 W (at the Power Saving mode)
Dimensions (approx.) 430 × 70 × 295 mm
(17 × 2 7/8 × 11 3/8 inches)
(w/h/d) incl. projecting parts
Mass (approx.) 3.6 kg (7 lb 15 oz)

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION

– Rear Panel –



Model	Part No.
AEP, UK models	2-588-951-0□
RU model	2-588-951-1□
EA model	2-588-951-2□
SP model	2-588-951-3□
CND model	2-588-951-4□
AUS model	2-588-951-5□
KR model	2-588-951-6□
E32 model	2-588-951-7□
MX model	2-588-951-9□
US model	2-634-883-1□

- Abbreviation
AUS : Australian model KR : Korean model
CND : Canadian model MX : Mexican model
E32 : 110-240V AC area RU : Russian model
in E model SP : Singapore model
EA : Saudi Arabia model

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.



This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

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

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 the 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.

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)

LF : 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.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

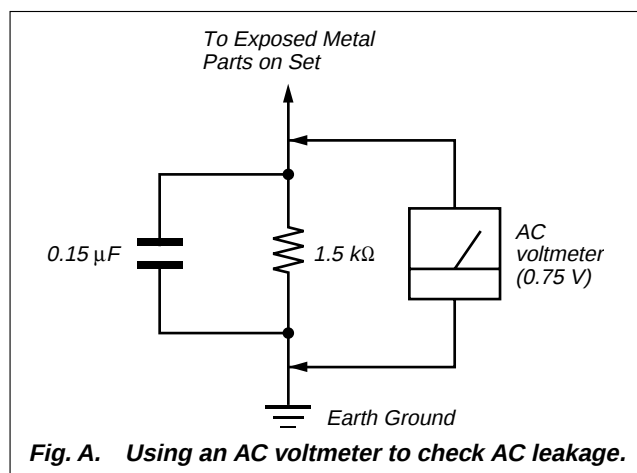
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.

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)

**SAFETY-RELATED COMPONENT WARNING!!**

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

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

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SECTION 1

SERVICING NOTE

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 pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

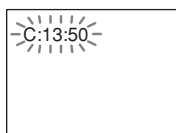
LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the "S curve check" in "CD section adjustment" and check that the S curve waveform is output several times.

Self-diagnosis Function

(When letters/numbers appear in the display)

When the self-diagnosis function is activated to prevent the system from malfunctioning, a 5-character service number (e.g., C 13 50) with a combination of a letter and 4 digits appears on the screen and the front panel display. In this case, check the following table.



First 3 characters of the service number	Cause and/or corrective action
C 13	The disc is dirty. ➡Clean the disc with a soft cloth
C 31	The disc is not inserted correctly. ➡Restart the system, then re-insert the disc correctly.
E XX (xx is a number)	To prevent a malfunction, the system has performed the self-diagnosis function. ➡Contact your nearest Sony dealer or local authorized Sony service facility and give the 5-character service number. Example: E 61 10

DISC SLOT LOCK

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

Setting Procedure :

1. Press the button to turn the set on.
2. Press the button to set DVD function.
3. Insert a disc.
4. Press the stick and the button simultaneously for five seconds.
5. The message "LOCKED" is displayed and the slot is locked.

Releasing Procedure :

1. Press the stick and the button simultaneously for five seconds again.
2. The message "UNLOCKED" is displayed and the slot is unlocked.

Note: When "LOCKED" is displayed, the slot lock is not released by turning power on/off with the button.

Note 1: Regarding the notification symbol "R"
Because the number of the operating buttons of this product are limited, some operations require use of the operating buttons of the remote commander. When a specific operation requires use of the operating buttons of the remote commander, "R" is added to the specific operating procedure in this manual.
Example "R" The button of remote commander.

Note 2: Incorrect operations may be performed if the test mode is not entered properly.
In this case, press the button to turn the power off, and retry to enter the test mode.

Note 3: If the disc tray does not open and the message "LOCKED" appears, press the stick and the button simultaneously for seconds or longer.
Then remove your fingers from the above stick and the button. The message "UNLOCKED" appears for 2 seconds and the disc tray opens.

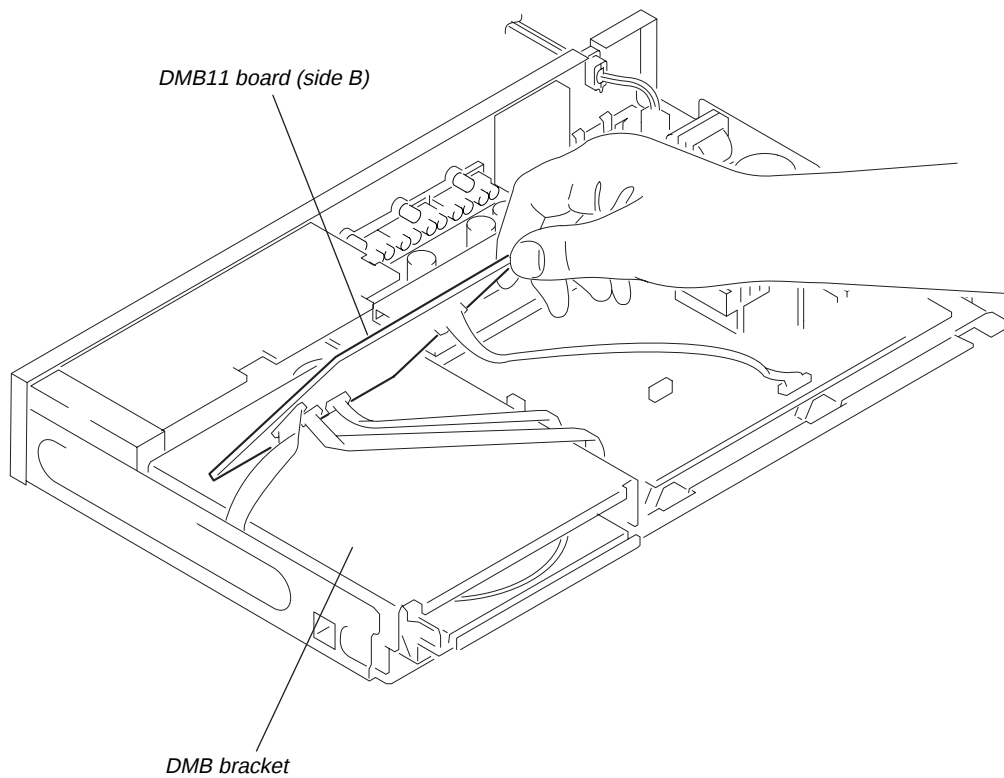
Note on DMB11 board replacement

New part of EEPROM (IC103) on the DMB11 board cannot be used. Therefore, if the mounted DMB11 board (A-1121-906-A, etc.) is replaced, exchange new EEPROM (IC103) with that used before the replacement.

- **SERVICE POSITION (DMB11 BOARD)**

When servicing side B of the DMB11 board

Remove the DMB11 board from bracket.
(Refer to DISASSEMBLY 3-6. (page 13)).
Set the DMB11 board facing the side B upward as shown.
Connect the cable and make the repair work.

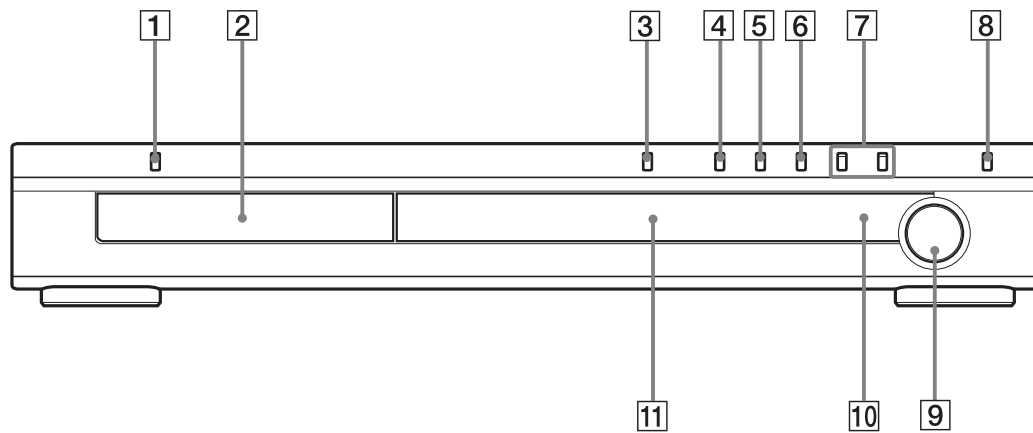


SECTION 2

GENERAL

This section is extracted from instruction manual.

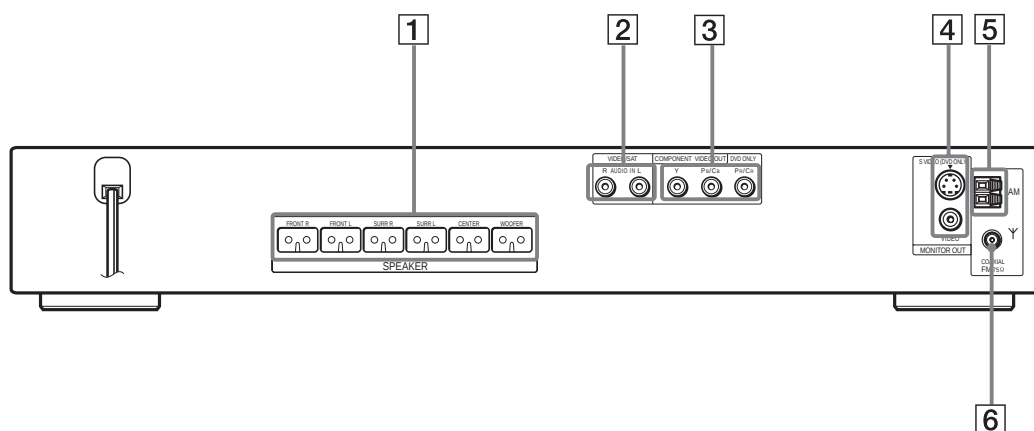
Front panel



- 1** I/⏻ (on/standby) (20, 24, 62)
- 2** Disc tray (24)
- 3** ⏮ (open/close) (24, 62)
- 4** ▷ (play) (24)
- 5** ⏸ (pause) (24)
- 6** ■ (stop) (24, 62)

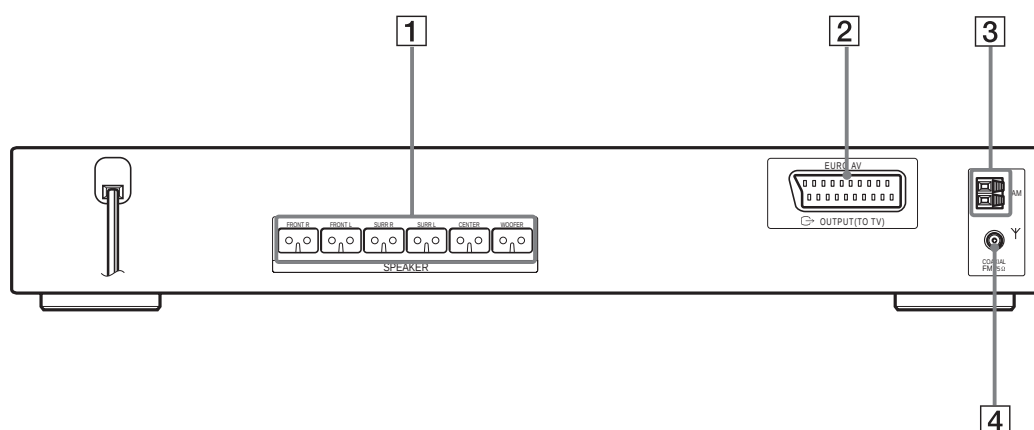
- 7** ⏮/⏭ (24)
- 8** FUNCTION (24)
- 9** VOLUME (24)
- 10** Ⓡ (remote sensor) (12)
- 11** Front panel display (80)

Rear panel (EXCEPT AEP, UK, RU)



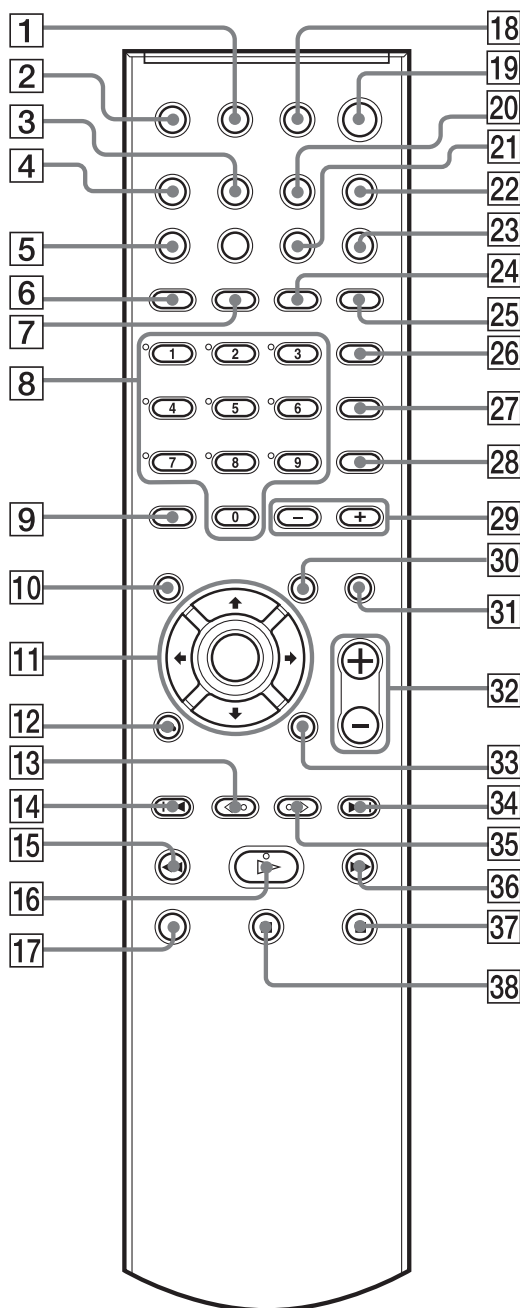
- | | |
|--|---|
| 1 SPEAKER jacks (14) | 4 MONITOR OUT (VIDEO / S VIDEO) jacks (19) |
| 2 VIDEO/SAT AUDIO IN jacks (21, 24) | 5 AM terminal (18) |
| 3 COMPONENT VIDEO OUT jacks (19) | 6 FM 75Ω COAXIAL jack (18) |

Rear panel (AEP, UK, RU)



- | | |
|--|-----------------------------------|
| 1 SPEAKER jacks (14) | 3 AM terminal (18) |
| 2 EURO AV  OUTPUT (TO TV) jacks (19) | 4 FM 75Ω COAXIAL jack (18) |

Remote (EXCEPT AEP, UK, RU)



1 TV I/⏻ (on/standby) (59)

2 TV/VIDEO (59)

3 TUNER MENU (62)

4 SLEEP (64)

5 PROGRESSIVE (20)

6 REPEAT/FM MODE (32, 63)

7 TUNER/BAND (63)

8 Number buttons (33, 55, 59)

The number 5 button has a tactile dot.*

9 CLEAR, -/- (26, 31, 59, 60)

10 TOP MENU (33)

11 ⬅/⬆/⬇/⬅/➡/ENTER (25, 31, 51, 55, 61, 65, 66)

12 ↶ RETURN (34)

13 ⏮/⏪/⏮ REPLAY, STEP (29)

14 ⏮ PRESET -, TV CH - (26, 29, 59, 63)

15 ⏮/⏪ SLOW, TUNING - (42, 62)

16 ▷ (play) (29)

The ▷ button has a tactile dot.*

17 TV (59)

18 THEATRE SYNC (60)

19 I/⏻ (on/standby) (25, 29, 63)

20 AMP MENU (25, 61, 65)

21 DSGX (53)

22 FUNCTION (20, 29, 53, 61)

23 SOUND FIELD (51)

24 DISPLAY (63)

25 PICTURE NAVI (38)

26 AUDIO (49)

27 SUBTITLE (54)

28 ANGLE (54)

29 ALBUM +/- (29, 60)

30 MENU (33)

31 MUTING (29)

32 VOLUME, TV VOL +/- (29, 59, 63)

The VOLUME, TV VOL + button has a tactile dot.*

33 ⏻ DISPLAY (9, 26, 31, 55, 66)

34 ⏭ PRESET +, TV CH + (26, 29, 59, 63)

35 ⏭/⏭ ADVANCE, STEP (29)

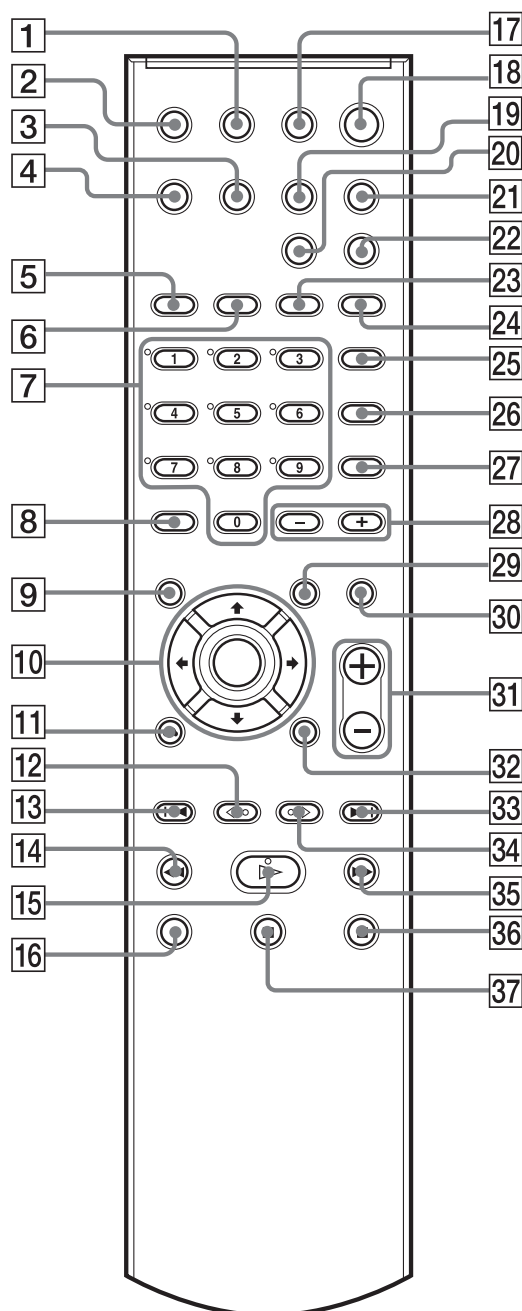
36 ⏭/⏭ SLOW, TUNING + (42, 62)

37 ■ (stop) (29, 55, 63)

38 || (pause) (29)

* Use the tactile dot as a reference when operating the system.

Remote (AEP, UK, RU)



- 1 TV I/ON (on/standby) (57)
- 2 TV/VIDEO (57)
- 3 TUNER MENU (59)
- 4 SLEEP (61)
- 5 REPEAT/FM MODE (27, 60)
- 6 TUNER/BAND (60)
- 7 Number buttons (28, 53, 57)
The number 5 button has a tactile dot.*
- 8 CLEAR, -/- (21, 26, 57, 58)
- 9 TOP MENU (28)

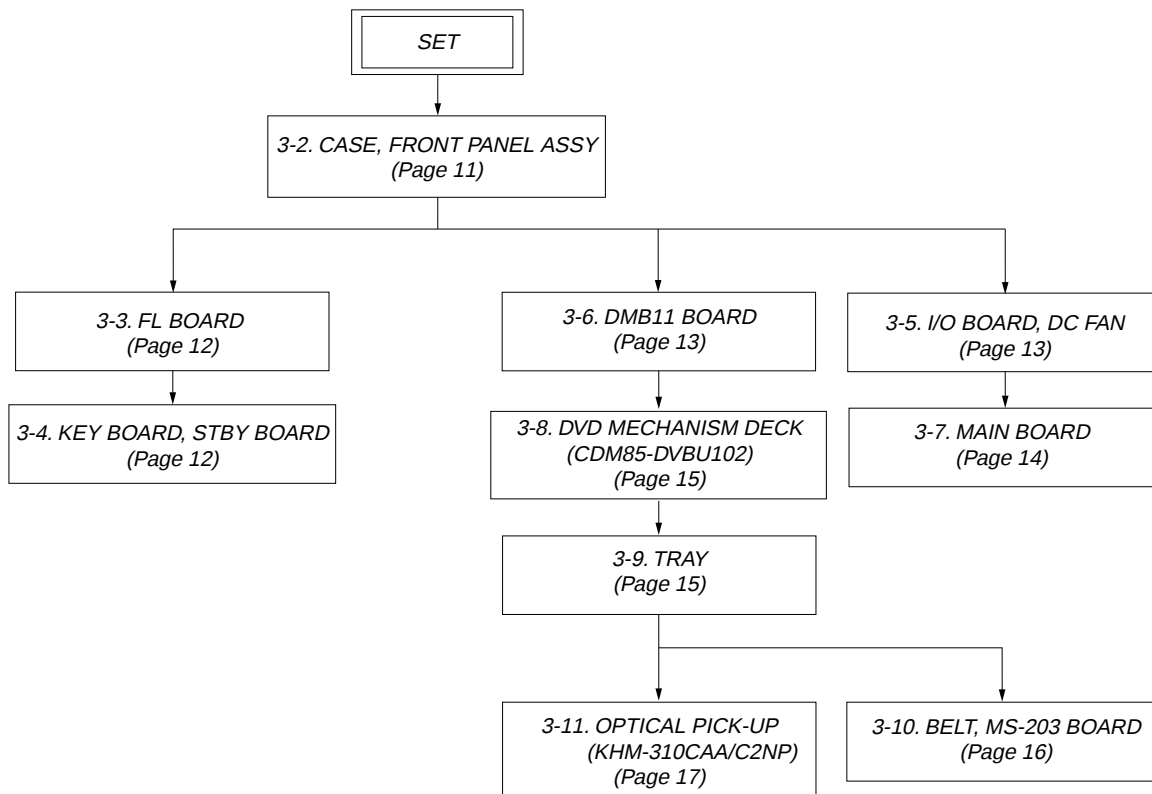
- 10 ←/↑/↓/→/ENTER (20, 26, 49, 53, 62, 63)
- 11 ↶ RETURN (29)
- 12 ◀•/▶ REPLAY, STEP (24)
- 13 I◀◀ PRESET -, TV CH - (21, 24, 57, 60)
- 14 ◀◀/◀ SLOW, TUNING - (39, 59)
- 15 ▷ (play) (24)
The ▷ button has a tactile dot.*
- 16 TV (57)
- 17 THEATRE SYNC (58)
- 18 I/ON (on/standby) (20, 24, 60)
- 19 AMP MENU (20, 62)
- 20 DSGX (51)
- 21 FUNCTION (24)
- 22 SOUND FIELD (49)
- 23 DISPLAY (60)
- 24 PICTURE NAVI (33)
- 25 AUDIO (47)
- 26 SUBTITLE (52)
- 27 ANGLE (52)
- 28 ALBUM -/+ (24, 58)
- 29 MENU (28)
- 30 MUTING (24)
- 31 VOLUME, TV VOL +/- (24, 57, 60)
The VOLUME, TV VOL + button has a tactile dot.*
- 32 ☰ DISPLAY (9, 21, 26, 53, 63)
- 33 ▶▶ PRESET +, TV CH + (21, 24, 57, 60)
- 34 •→/▶ ADVANCE, STEP (24)
- 35 ▶▶/▶ SLOW, TUNING + (39, 59)
- 36 ■ (stop) (24, 53, 60)
- 37 || (pause) (24)

* Use the tactile dot as a reference when operating the system.

SECTION 3 DISASSEMBLY

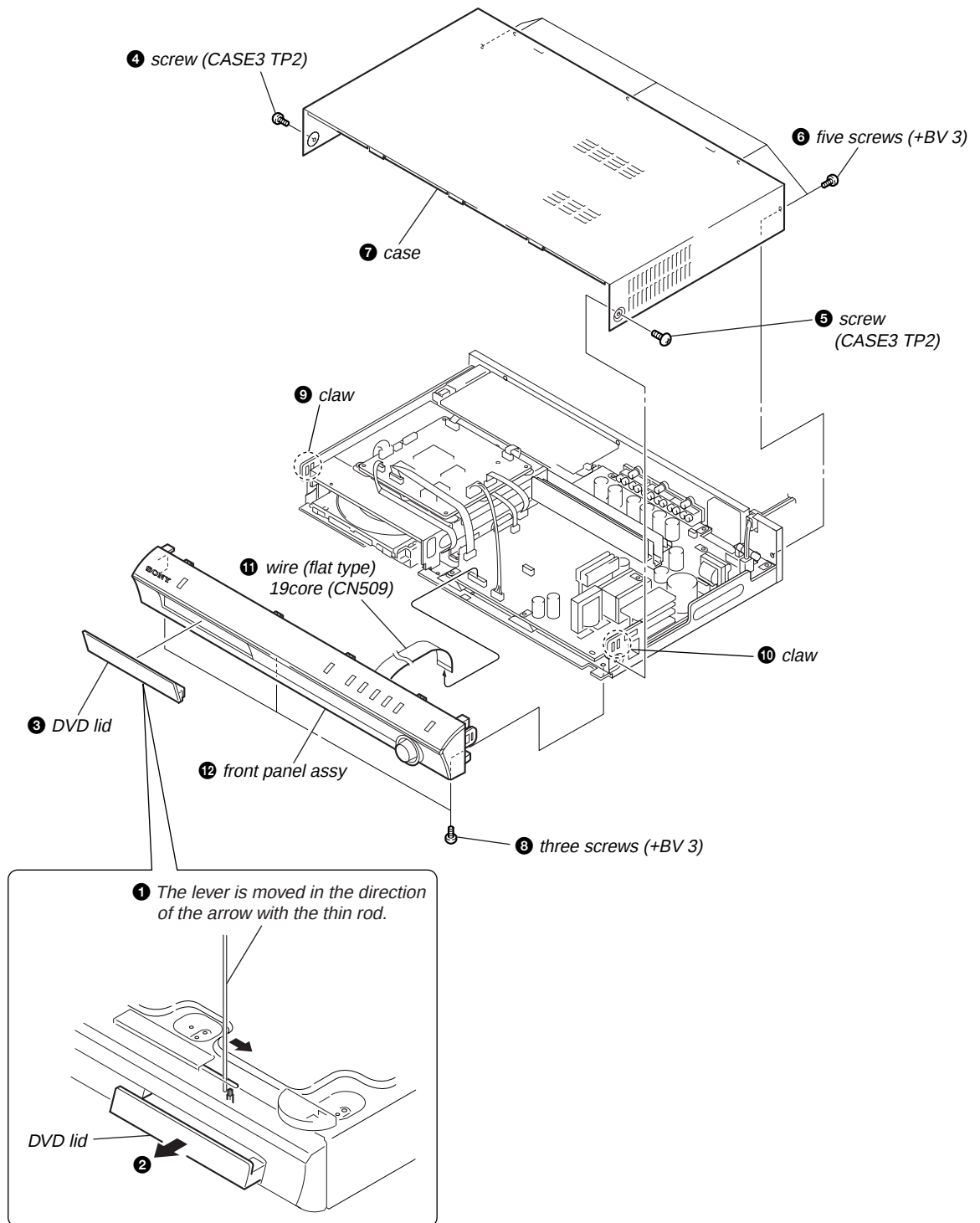
3-1. DISASSEMBLY FLOW

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

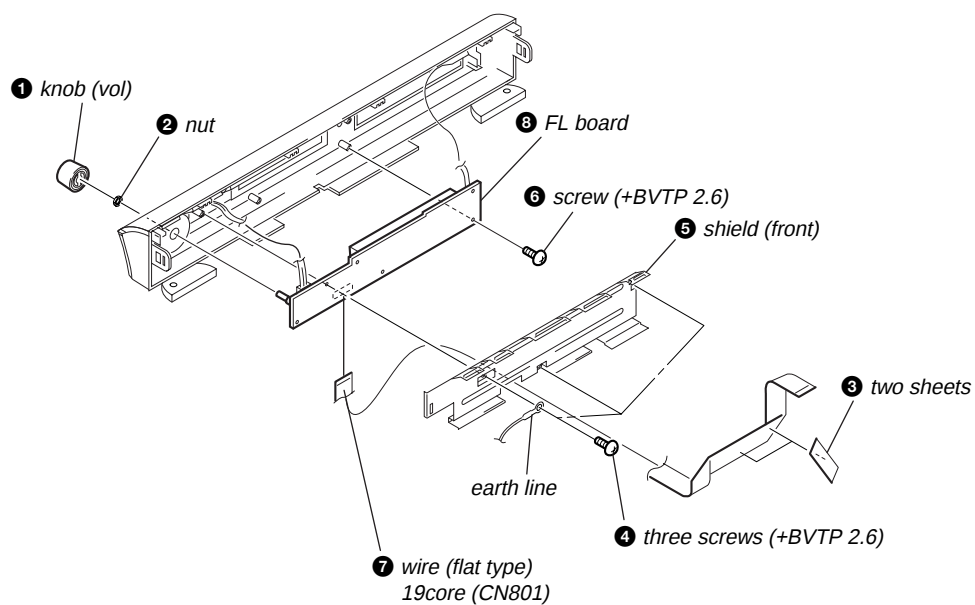


Note: Follow the disassembly procedure in the numerical order given.

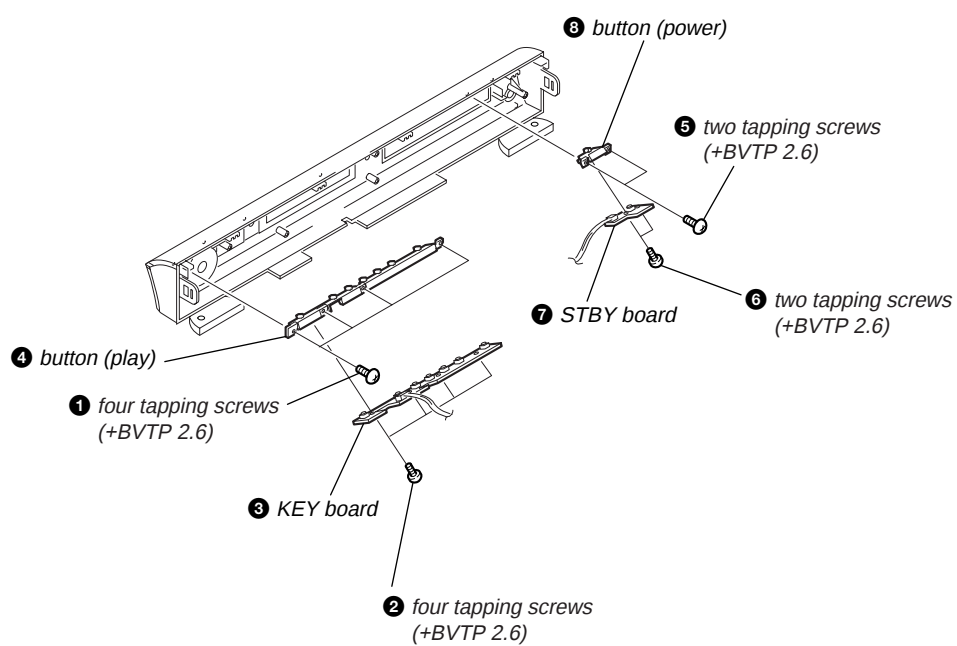
3-2. CASE, FRONT PANEL ASSY



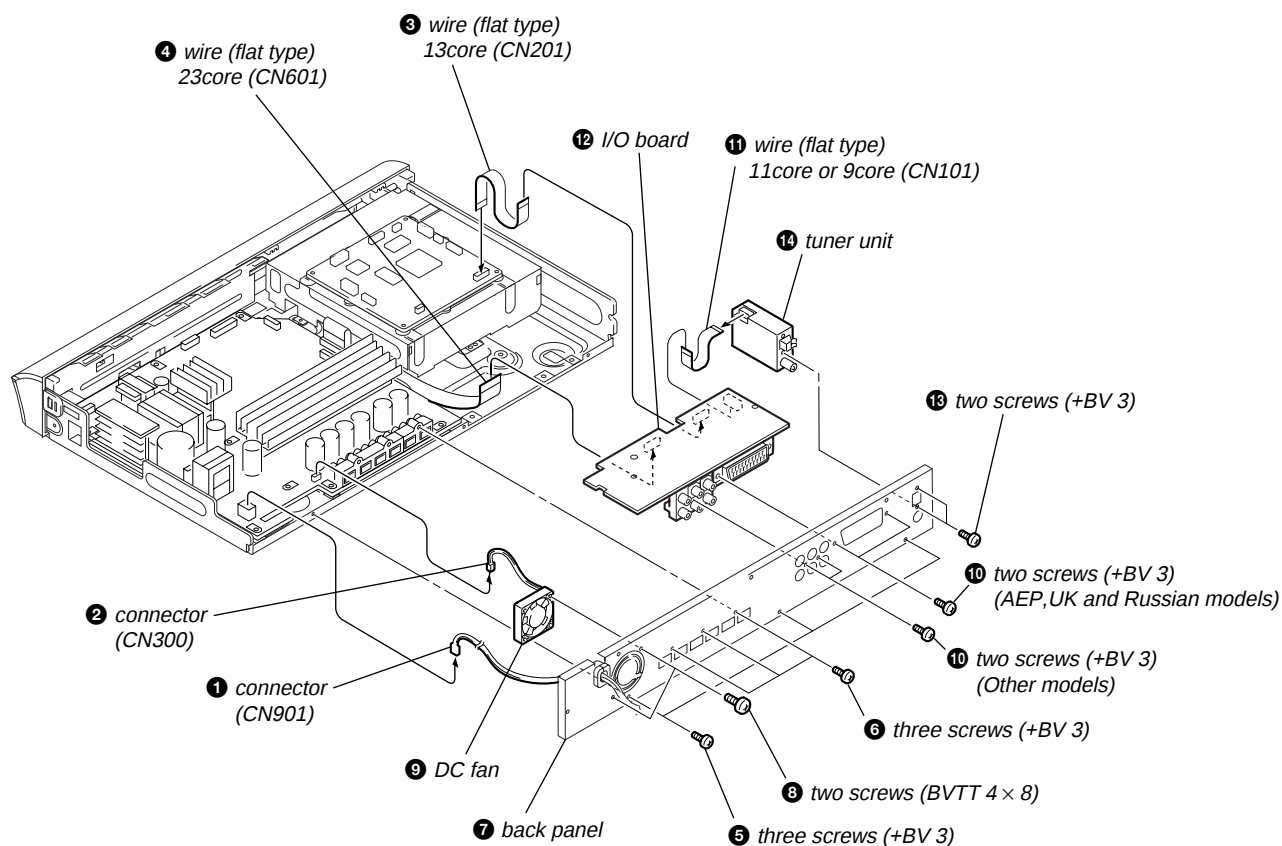
3-3. FL BOARD



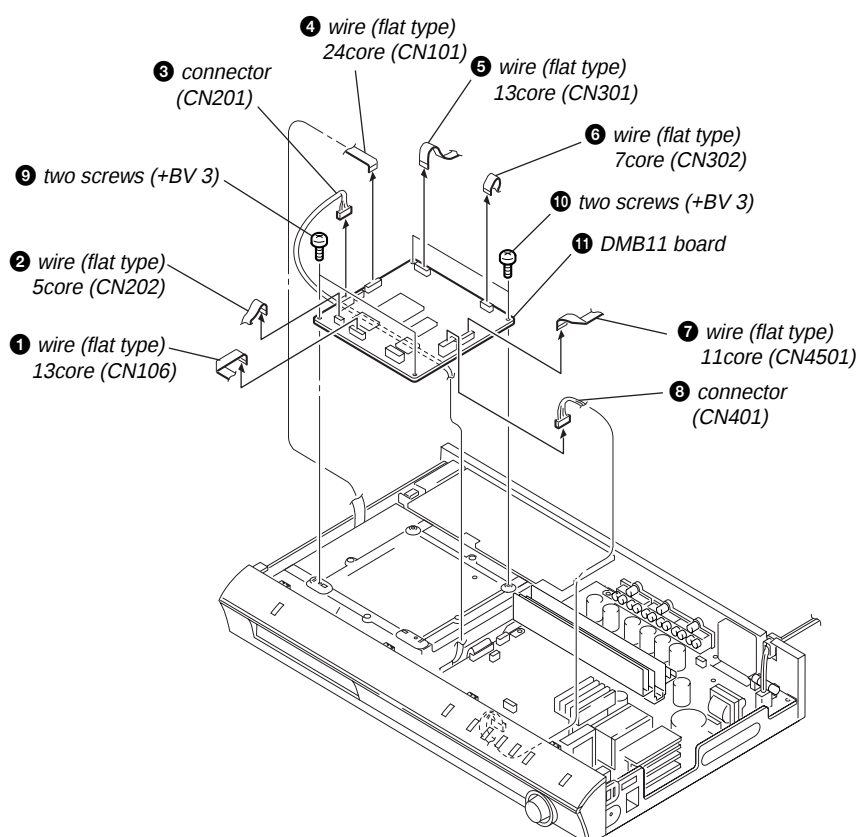
3-4. KEY BOARD, STBY BOARD



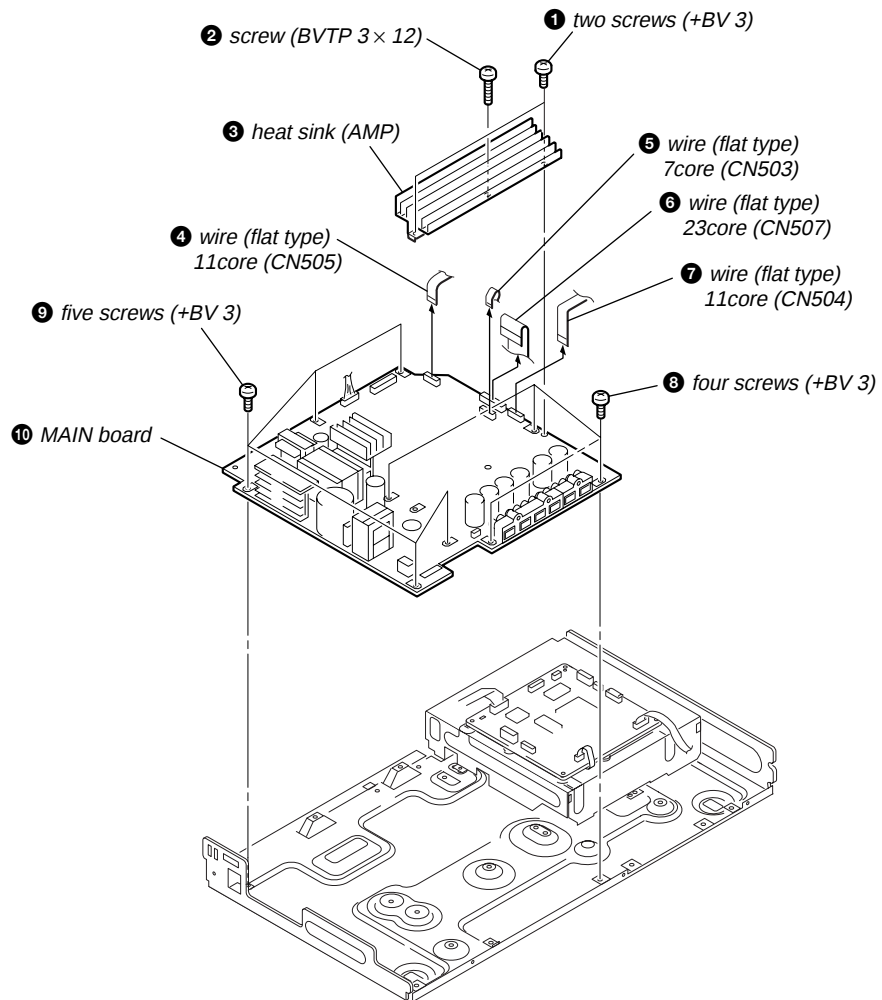
3-5. I/O BOARD, DC FAN



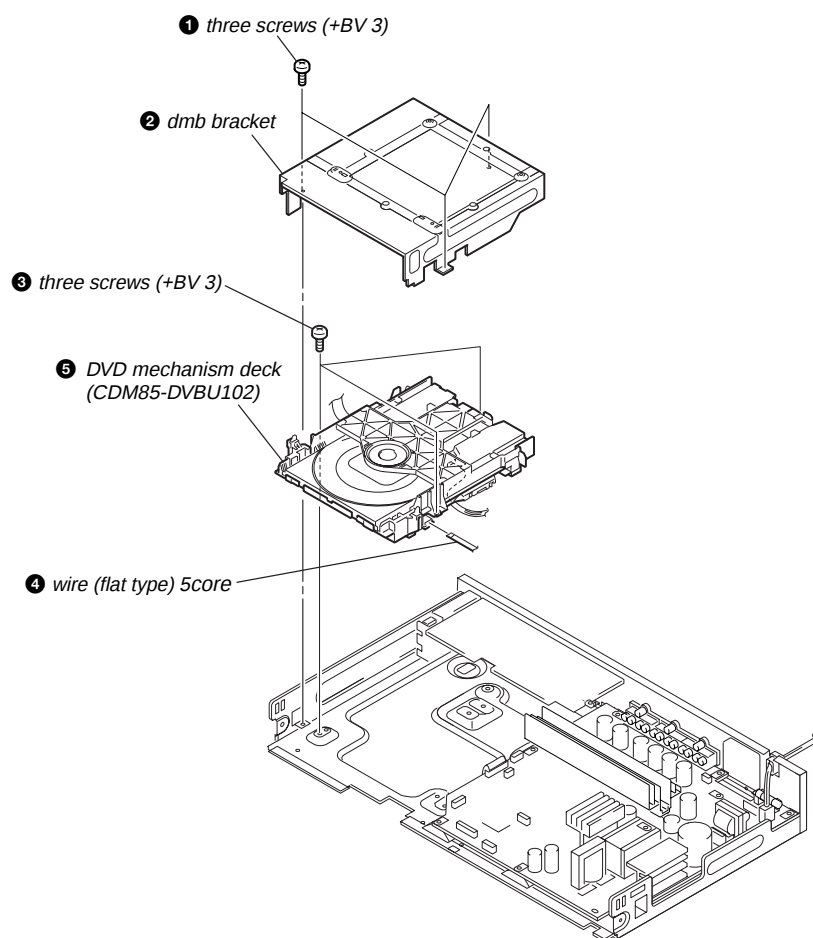
3-6. DMB11 BOARD



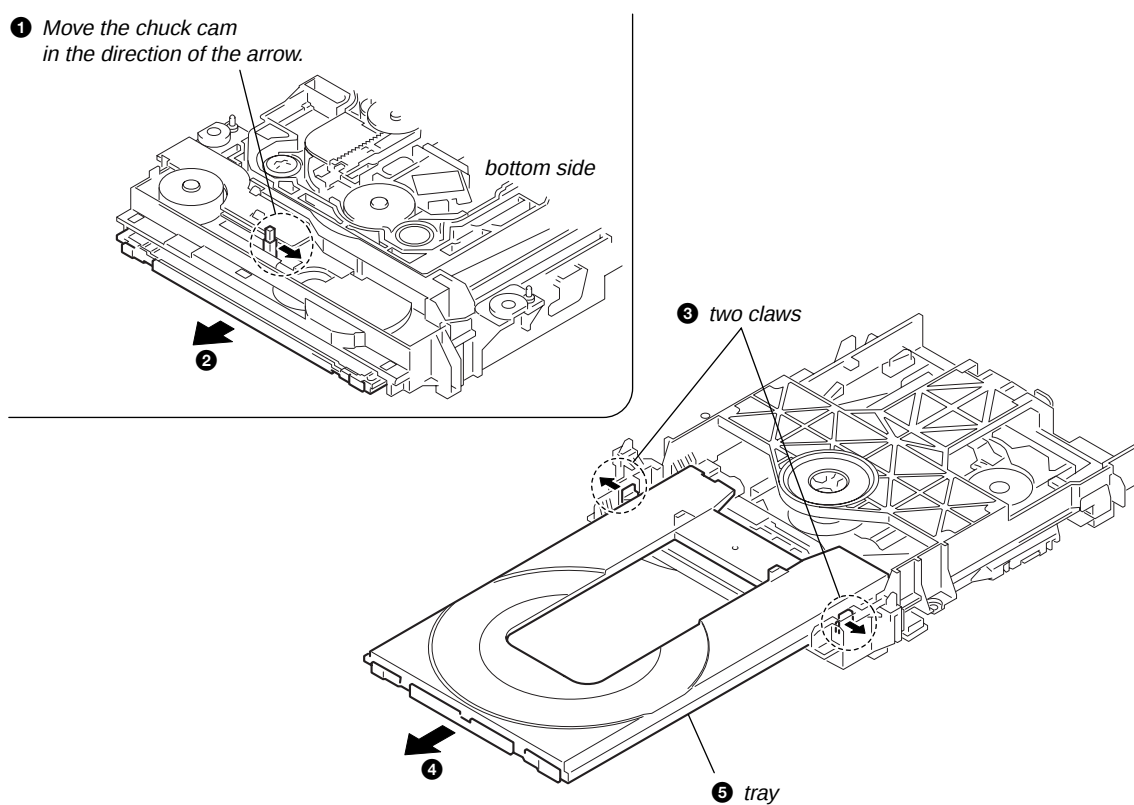
3-7. MAIN BOARD



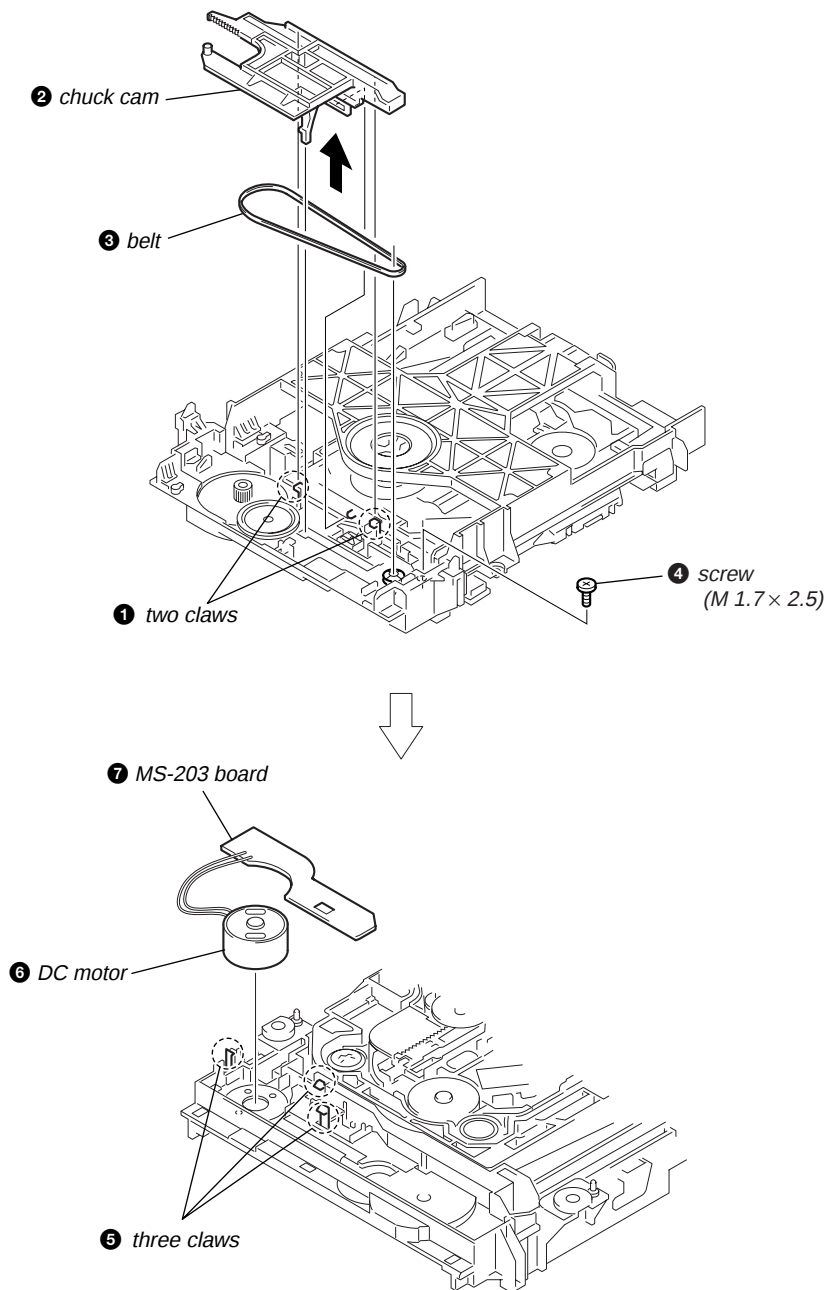
3-8. DVD MECHANISM DECK (CDM85-DVBU102)



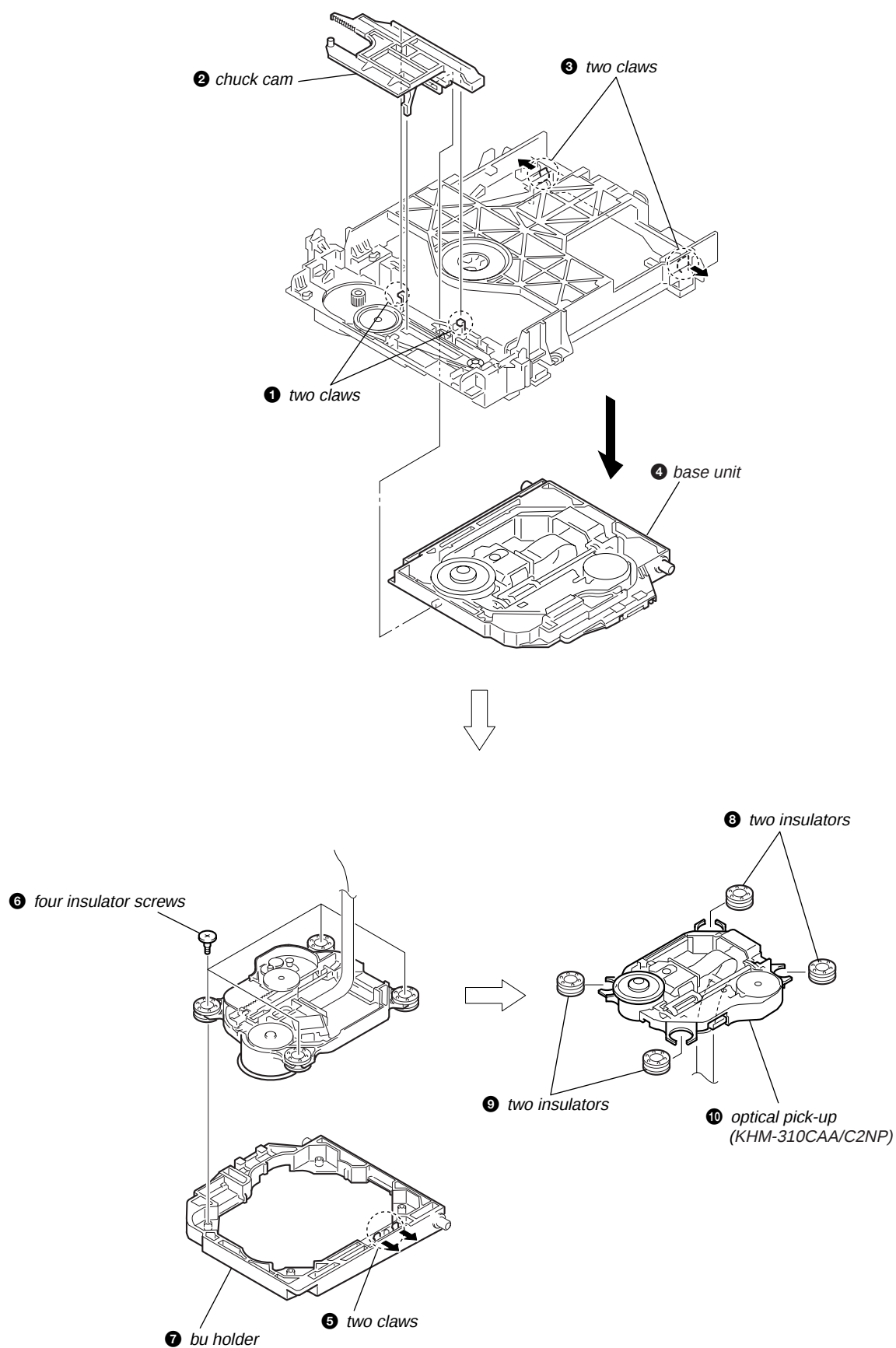
3-9. TRAY



3-10. BELT, MS-203 BOARD



3-11. OPTICAL PICK-UP (KHM-310CAA/C2NP)



SECTION 4

TEST MODE

Note 1: Regarding the notification symbol “R”
Because the number of the operating buttons of this product are limited, some operations require use of the operating buttons of the remote commander. When a specific operation requires use of the operating buttons of the remote commander, “R” is added to the specific operating procedure in this manual. Example **MENU/NO “R”** The **MENU/NO** button of remote commander.

Note 2: Incorrect operations may be performed if the test mode is not entered properly.
In this case, press the  button to turn the power off, and retry to enter the test mode.

1. Cold Reset

- The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customers.

Procedure:

- Press the  button to turn the power on.
- Press three buttons ,  and  simultaneously.
- When this button is operated, display as “COLD RESET” for a while and all of the settings are reset.

2. Panel Test Mode

- This mode is used to check the software version, LCD, LED and keyboard.

2-1. DVD LED Test Mode

Procedure:

- Press the  button to turn on the power.
- Press three buttons ,  and  simultaneously.
- When the display LED test mode is activated, all segments are turned on.
- To exit from this mode, pull out the AC plug.

2-2. Version Test Mode

Procedure:

- When the panel test mode is activated, press the  button and the message “DS1***” is displayed, the version test mode is activated.
- Whenever press the  button, the version is displayed in order of CC2, MC, SYS, UI, DVD, TA, TM and DS1.
- Press the  button and the date of the software production is displayed.
- Press the  button again and the version is displayed.
- To exit from this mode, pull out the AC plug.

2-3. Key Test Mode

Procedure:

- When the panel test mode is activated, press the  button, to select the key test mode.
- To enter the KEY test mode, the fluorescent indicator displays “K0 VO”. Each time a button is pressed, “KEY” value increases. However, once a button is pressed, it is no longer taken into account. When all keys are pressed correctly, “K8 VO” is displayed.
- To exit from this mode, pull out the AC plug.

3. Disc Tray Lock

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

Setting Procedure :

- Press the  button to turn the set on.
- Press the **FUNCTION** button to set DVD function.
- Insert a disc.
- Press the  button and the  button simultaneously for five seconds.
- The message “LOCKED” is displayed and the tray is locked.

Releasing Procedure :

- Press the  button and the  button simultaneously for five seconds. again.
- The message “UNLOCKED” is displayed and the tray is unlocked.

Note: When “LOCKED” is displayed, the slot lock is not released by turning power on/off with the  button.

4. DVD Ship Mode

- Use this mode when returning the set to the customer after repair.

Procedure:

- Press the  button to turn the set on.
- Press the **FUNCTION** button to set the function “DVD”.
- Press three buttons , and  simultaneously.
- After a message “MECHA LOCK” is displayed on the fluorescent indicator tube, pull out the AC plug.
- To exit from this mode, press the  button to turn the set on.

5. DVD Debug In Mode

Procedure:

- Press the  button to turn the set on.
- Press the **FUNCTION** button to set the function “DVD”.
- Press the three buttons ,  and  simultaneously.
- To exit from this mode, press the  button to turn the set on.

6. AM Step Change

- A step of AM channels can be changed over between 9 kHz and 10 kHz.

Procedure:

- Press  button to turn the set ON.
- Select the function “TUNER”, and press **FUNCTION** button to select the BAND “AM”.
- Press  button to turn the set OFF.
- Press  and  buttons simultaneously, and the display of fluorescent indicator tube changes to “AM 9 k STEP” or “AM 10 k STEP”, and thus the channel step is changed over.

DVD SECTION**[TEST DISC LIST]**

Be sure to use the DVD disc that matches the signal standards of your region.

- CD

YEDS-18 (Part No.: 3-702-101-01)

PATD-012 (Part No.: 4-225-203-01)

- DVD SL (Single Layer)

NTSC : HLX-503 (Part No.: J-6090-069-A)

HLX-504 (Part No.: J-6090-088-A)

PAL : HLX-506 (Part No.: J-6090-077-A)

- DVD DL (Dual Layer)

NTSC : HLX-501 (Part No.: J-6090-071-A)

HLX-505 (Part No.: J-6090-089-A)

PAL : HLX-507 (Part No.: J-6090-078-A)

4-1. GENERAL DESCRIPTION

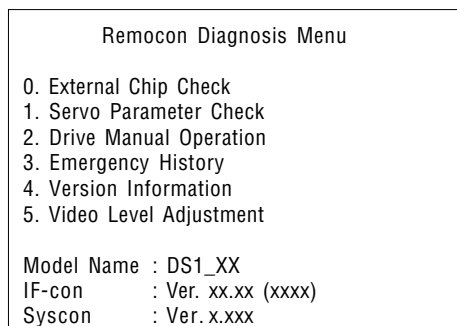
The Mirror Time and IOP measurement allows you to make diagnosis and adjustment simply by using the remote commander and monitor TV. The instructions, diagnosis results, etc. are given on the on screen display (OSD).

The Mirror Time and IOP measurement is required in such events where servicing a DVD-Player includes changing the Base Unit (BU). For each new BU to be used with a certain MV-044 board, Mirror Time and IOP measurement need to be carried out.

4-2. STARTING TEST MODE

Press three buttons , , and **VOLUME** + simultaneously with the DVD player in standby mode.

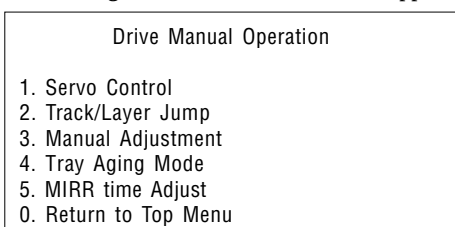
The Test Mode starts, then the menu shown below will be displayed on the TV screen.



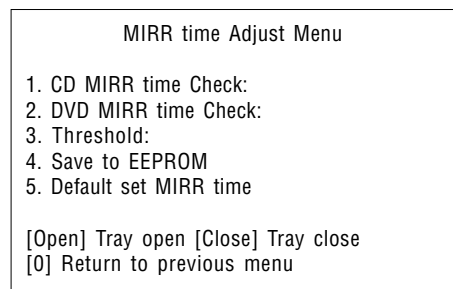
The menu above is the Remocon Diagnosis Menu screen which consists of six main function. At the bottom of the menu screen, the model name and IF-con version. To enter Mirror Time Adjustment menu, press button **[2 "R"]** on the remote commander to enter Drive Manual Operation menu. To exit from the Test Mode, press the power button on the remote commander.

4-3. DRIVE MANUAL OPERATION

The Drive Manual Operation menu consists of five main function. By pressing **[2 "R"]** button on the remote commander in the Remocon Diagnosis Menu, the screen will appear as below.

**4-4. MIRROR TIME ADJUSTMENT**

To enter Mirror Time Adjustment, press **[5 "R"]** button on the remote commander. The screen will appear as below.



There are five main commands in the MIRR time Adjust menu as shown in the figure above. The functions of each command are described in the following page.

1. CD MIRR time Check

This command checks the Mirror time value for CD disc.

2. DVD MIRR time Check

This command checks the Mirror time value for DVD disc.

3. Threshold

This command displays the threshold value between CD and DVD mirror time.

4. Save to EEPROM

This command saves an adjusted mirror time value to the EEPROM.

5. Default set MIRR time

This command will set CD and DVD mirror time to firmware default value.

[Open] / [Close]

Pressing the  button controls the tray for disc change during mirror time adjustment.

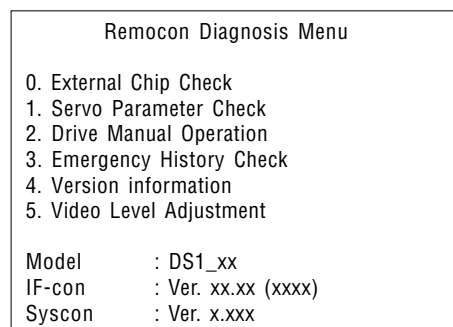
[0] Return to previous menu

Press **[0 "R"]** button to return to previous menu.

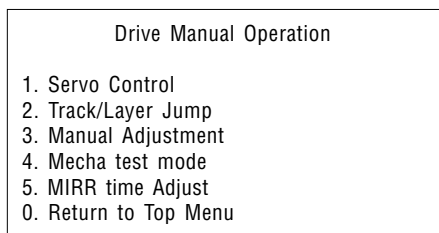
4-4-1. EXECUTING MIRROR TIME ADJUSTMENT

In order to execute mirror time adjustment, the following standard procedures must be followed.

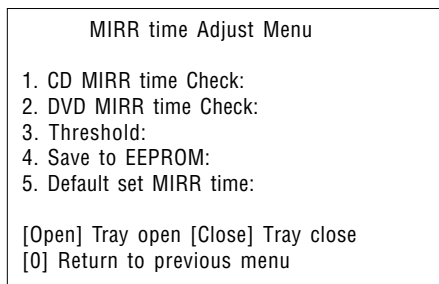
- (1) In standby mode, press three buttons , , and **VOLUME** + simultaneously.
- (2) Select "2. Drive Manual Operation".



(3) Select “5. MIRR time Adjust”.

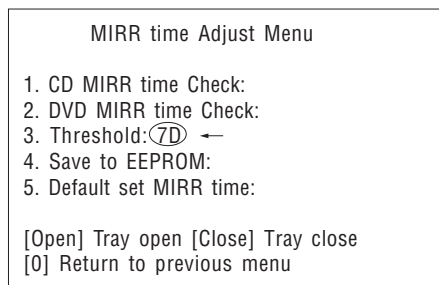


(4) Select “5. Default set MIRR time”.



(5) Select “3. Threshold”.

(6) Confirm the number. If it is 7D, go to next step. If it is any other value, return to step 4.



(7) Push  button to eject tray.

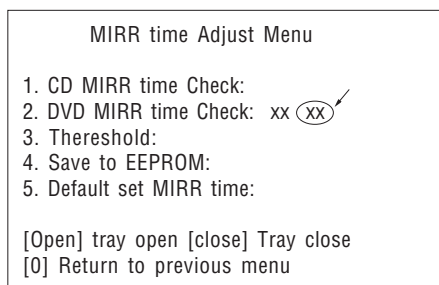
(8) Insert Test Disc HLX-504 into tray.

(9) Push  button to close tray.

(10) Push “2. DVD MIRR time Check”.

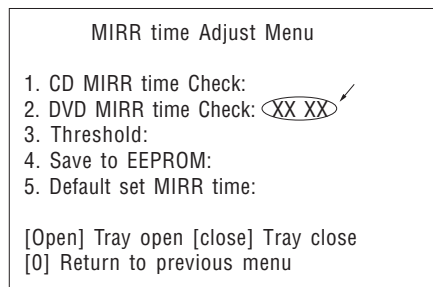
(11) Wait for HEX number to display.

(12) Confirm the number, if XX is 28 ~ 70, proceed with next step. If no, return to 8.



(13) Push “4. Save to EEPROM”.

(14) Confirm the same values are displayed. If it is not same, return to step 7.



(15) Push  button to eject tray.

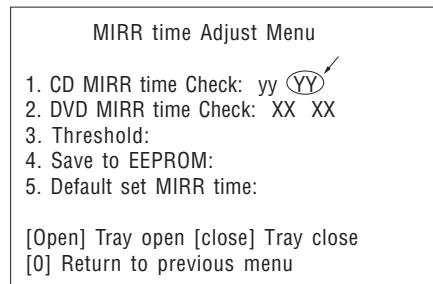
(16) Take out HLX-504 and insert Test Disc YEDS-18 into tray.

(17) Push  button to close tray.

(18) Push “1. CD MIRR time check”.

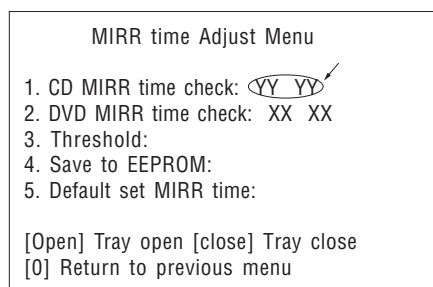
(19) Wait for HEX number to display.

(20) Confirm the number, if YY is 5A ~ E8, proceed with next step. If no, return to 15.



(21) Push “4. Save to EEPROM”.

(22) Confirm the same values are displayed. If it is not the same, return to step 15.



(23) Push  button to eject tray.

(24) Remove Test Disc YEDS-18 from tray.

(25) Push  button to close tray.

(26) Press  button to the Drive Manual Operation menu.

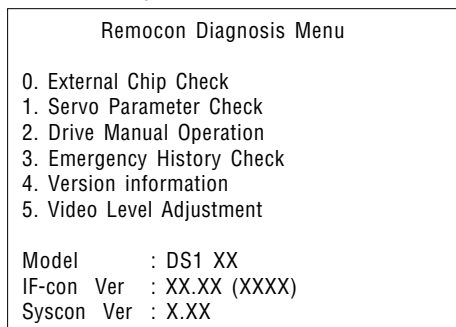
(27) Press  button to return to the Remocon Diagnosis Menu.

(28) Press the  button to switch OFF set.

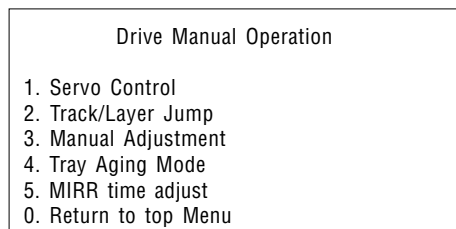
4-5. EXECUTING IOP MEASUREMENT

In order to execute mirror time adjustment, the following standard procedures must be followed.

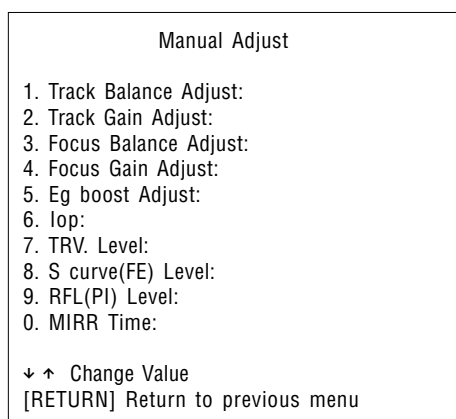
- (1) In standby mode, press three buttons ,  and **VOLUME** + simultaneously.



- (2) Select “2. Drive Manual Operation” by pressing the **[2 “R”]** button on the remote commander. The screen will appear as below.

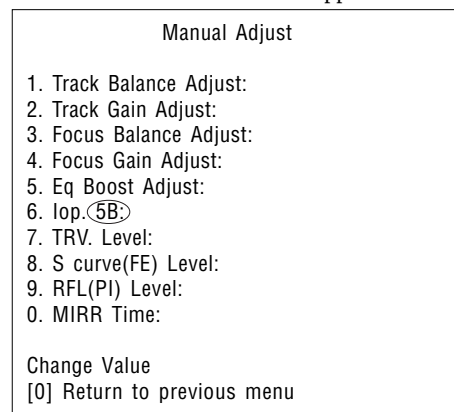


- (3) Select “3. Manual Adjustment” by pressing the **[3 “R”]** button on the remote commander. The screen will appear as below.



- (4) Select Iop by pressing **[6 “R”]** button on the remote commander.

- (5) Wait until a hexadecimal number appear.



- (6) Convert each data from hexadecimal to decimal using conversion table.

- (7) Subtract between these two values.

- (8) If the remainder is smaller than 93 (decimal), then it is OK. However if the value is higher than 93, then the BU is defective and need to be change.

- (9) Press **[RETURN “R”]** button to return back to previous menu.

- (10) Press **[0 “R”]** button to return to Top Menu and power OFF the DVD Player.

SECTION 5 DIAGRAMS

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

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 $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- $\triangle$: internal component.
- : panel designation.

Note:

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

Note:

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

☆ IC103 is a written in and settled EEPROM. Supply with a single article has not been carried out. In case you exchange by DMB11 board, please put on IC103 currently used with the model again.

- — : B+ Line.
- - - - : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages and waveforms are dc with respect to ground in service mode.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- no mark : DVD STOP
- Voltages are taken with VOM (Input impedance 10 M Ω).
- Circled numbers refer to waveforms.
- Signal path.
 -  : AUDIO
 -  : CD PLAY
 -  : DVD PLAY
 -  : SACD PLAY
 -  : TUNER
 -  : VIDEO
 -  : Y
 -  : CHROMA
 -  : COMPONENT VIDEO
 -  : R, G, B
 -  : AUDIO IN (SAT)

• Abbreviation

AUS : Australian model
 CND : Canadian model
 E32 : 110-240V AC area in E model
 EA : Saudi Arabia model
 KR : Korean model
 MX : Mexican model
 RU : Russian model
 SP : Singapore model

For Printed Wiring Boards.

Note:

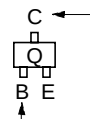
-  : parts extracted from the component side.
-  : Through hole.
-  : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

Caution:

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

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

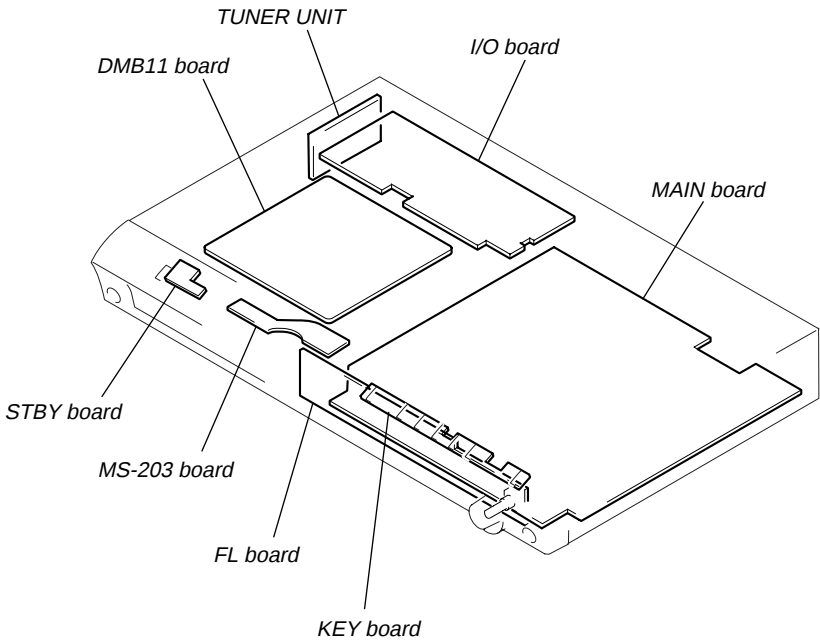
- Indication of transistor.



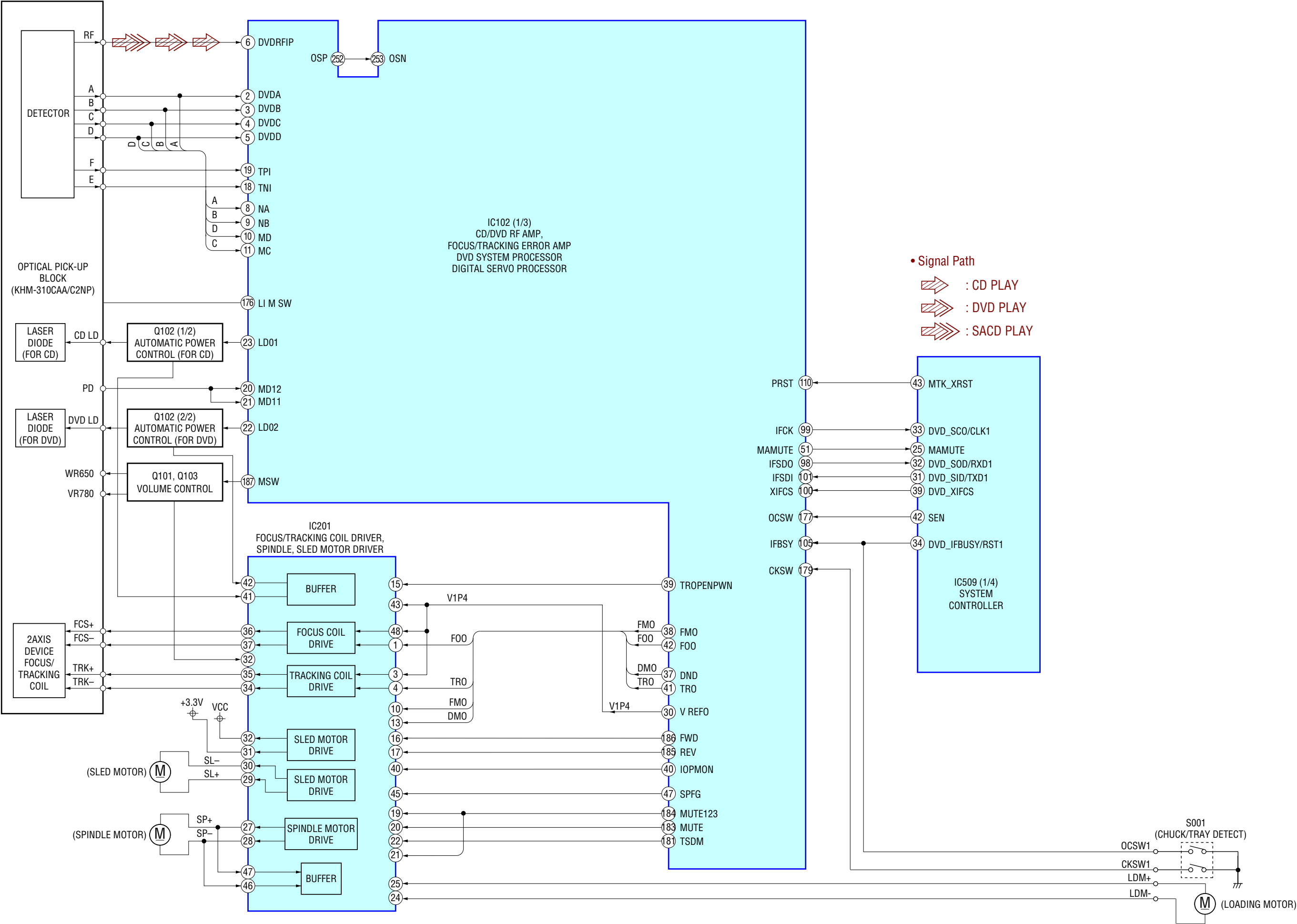
These are omitted.

• Circuit Boards Location

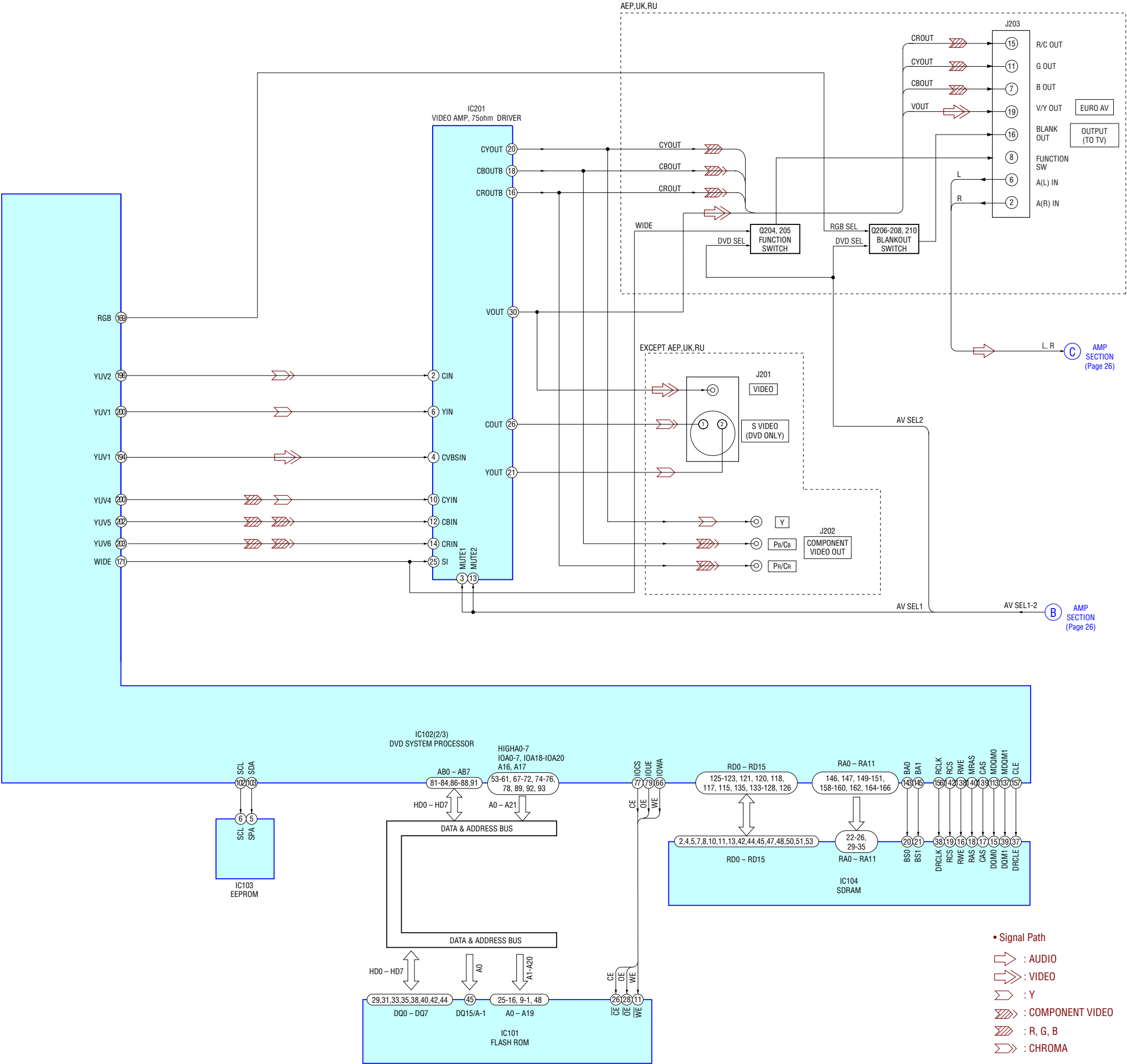
MEMO

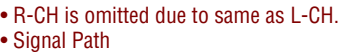


5-1. BLOCK DIAGRAM – RF/SERVO SECTION –



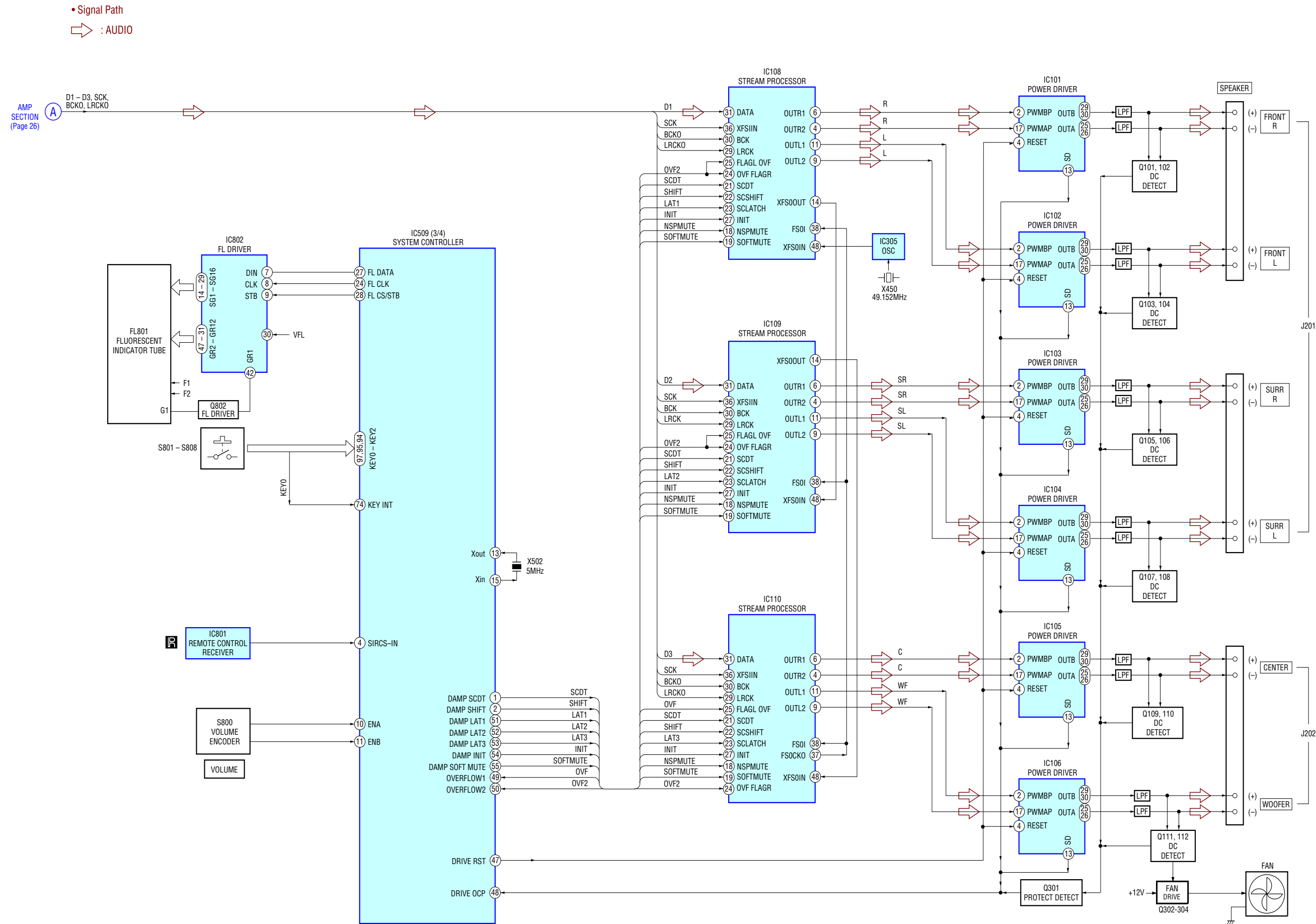
5-2. BLOCK DIAGRAM – VIDEO SECTION –



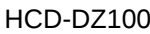


 : AUDIO
 : AUDIO IN (SAT)
 : TUNER

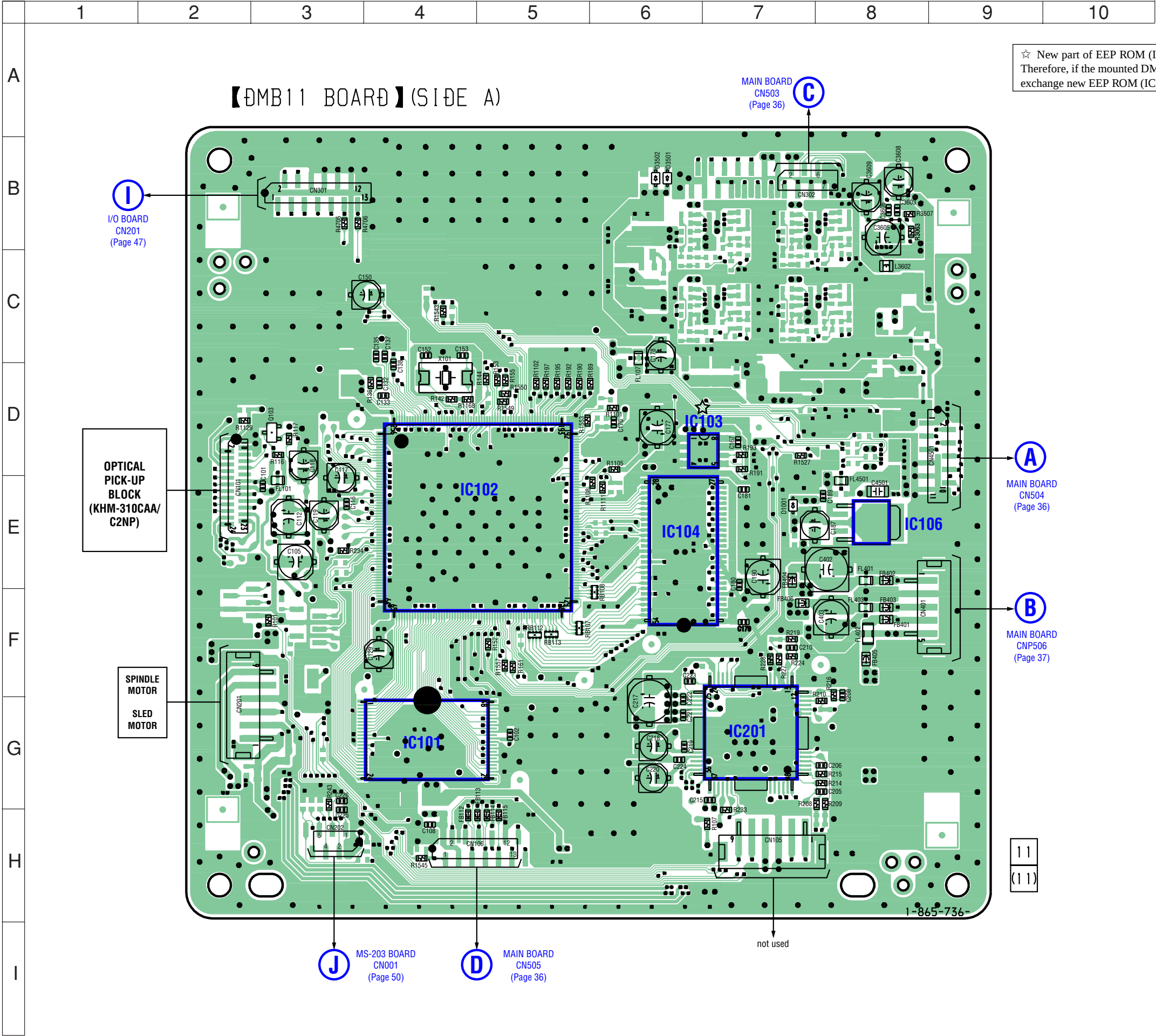
5-4. BLOCK DIAGRAM – AUDIO SECTION –



5-5. BLOCK DIAGRAM – POWER SECTION –

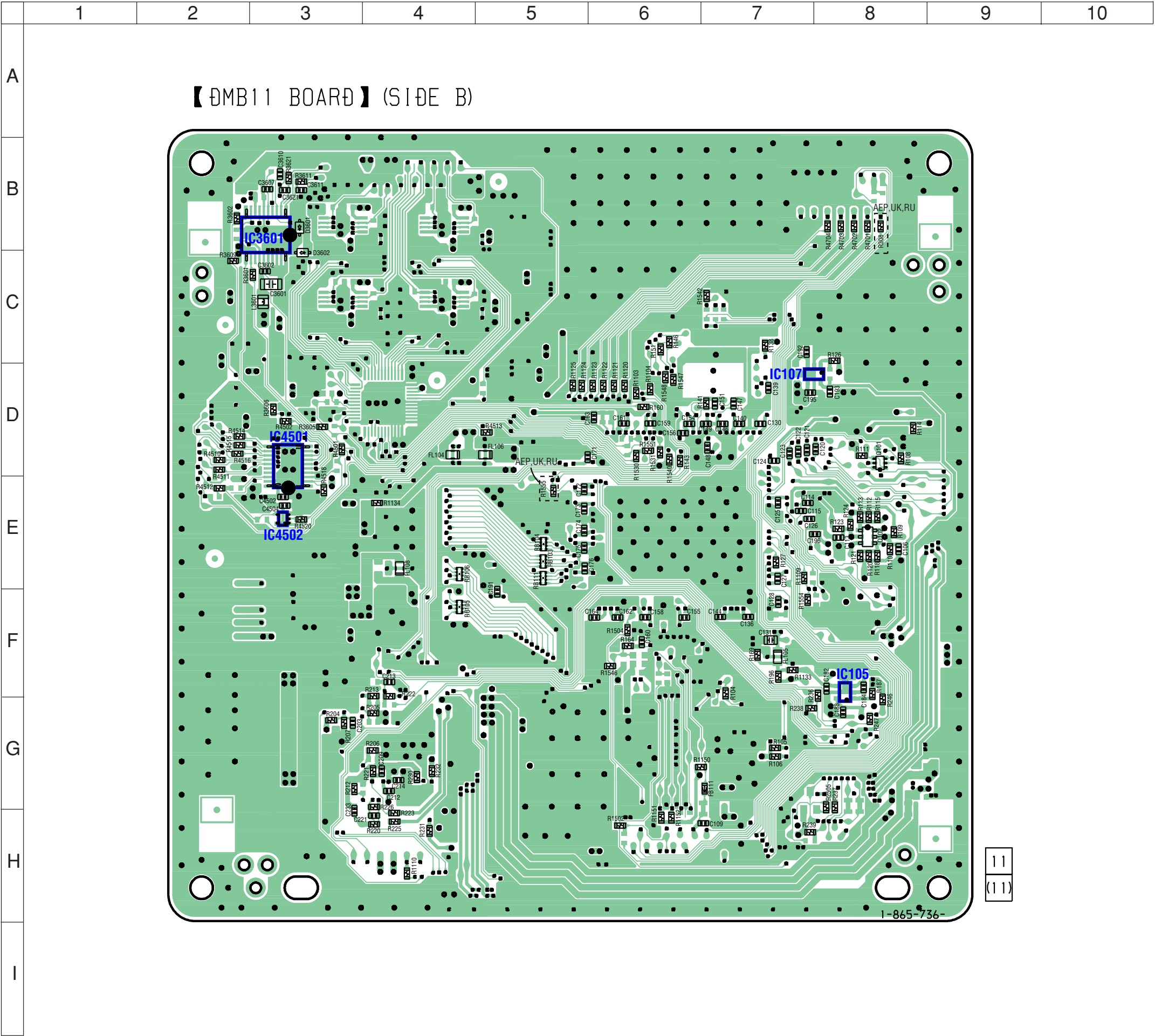


5-6. PRINTED WIRING BOARD – DMB11 BOARD (SIDE A) – • See page 23 for Circuit Boards Location. :Uses unleaded solder.



• Semiconductor Location

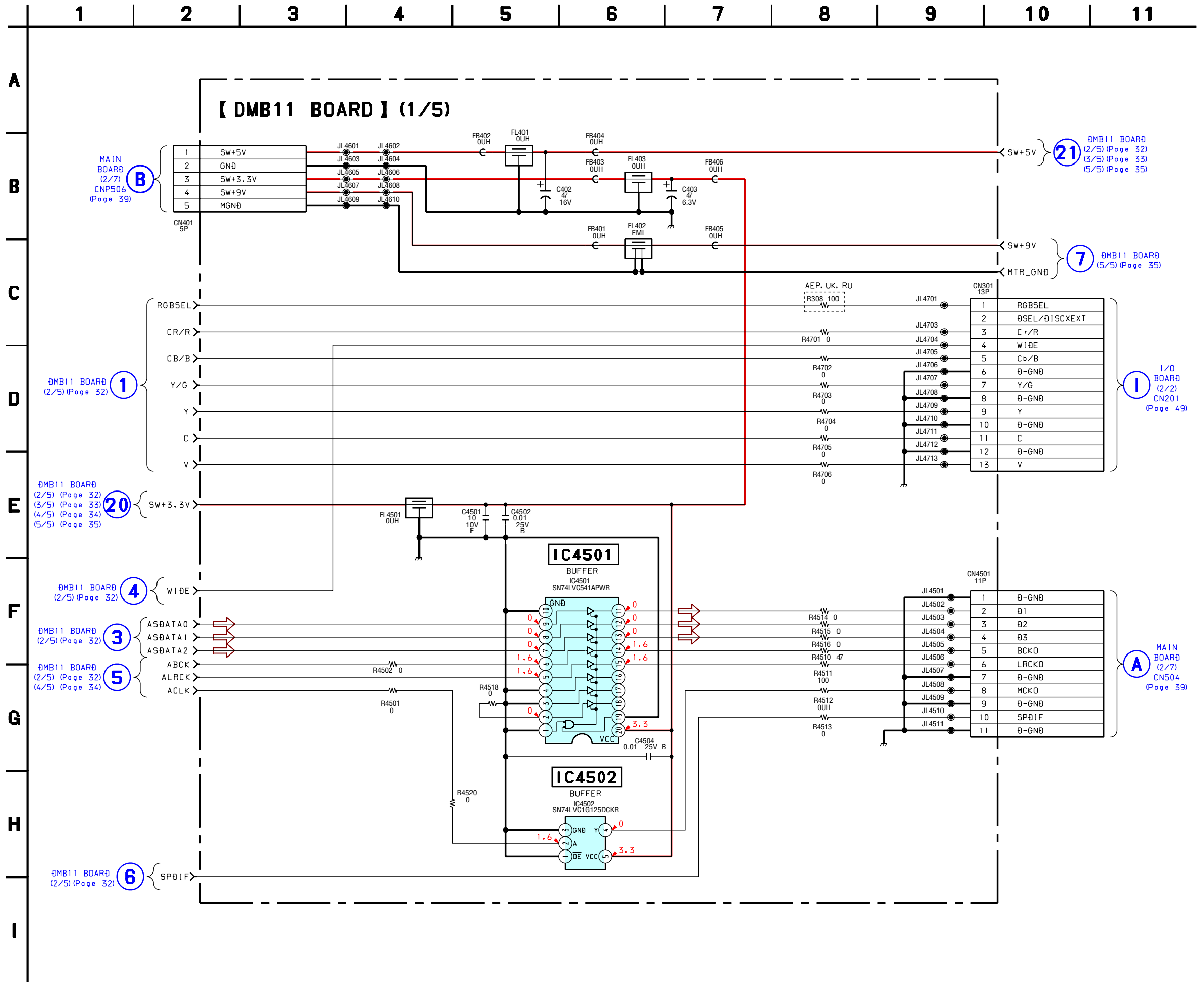
Ref. No.	Location
D1001	E-7
D3501	B-6
D3502	B-6
IC101	G-4
IC102	E-4
IC103	D-6
IC104	E-6
IC106	E-8
IC201	G-7
Q103	D-3



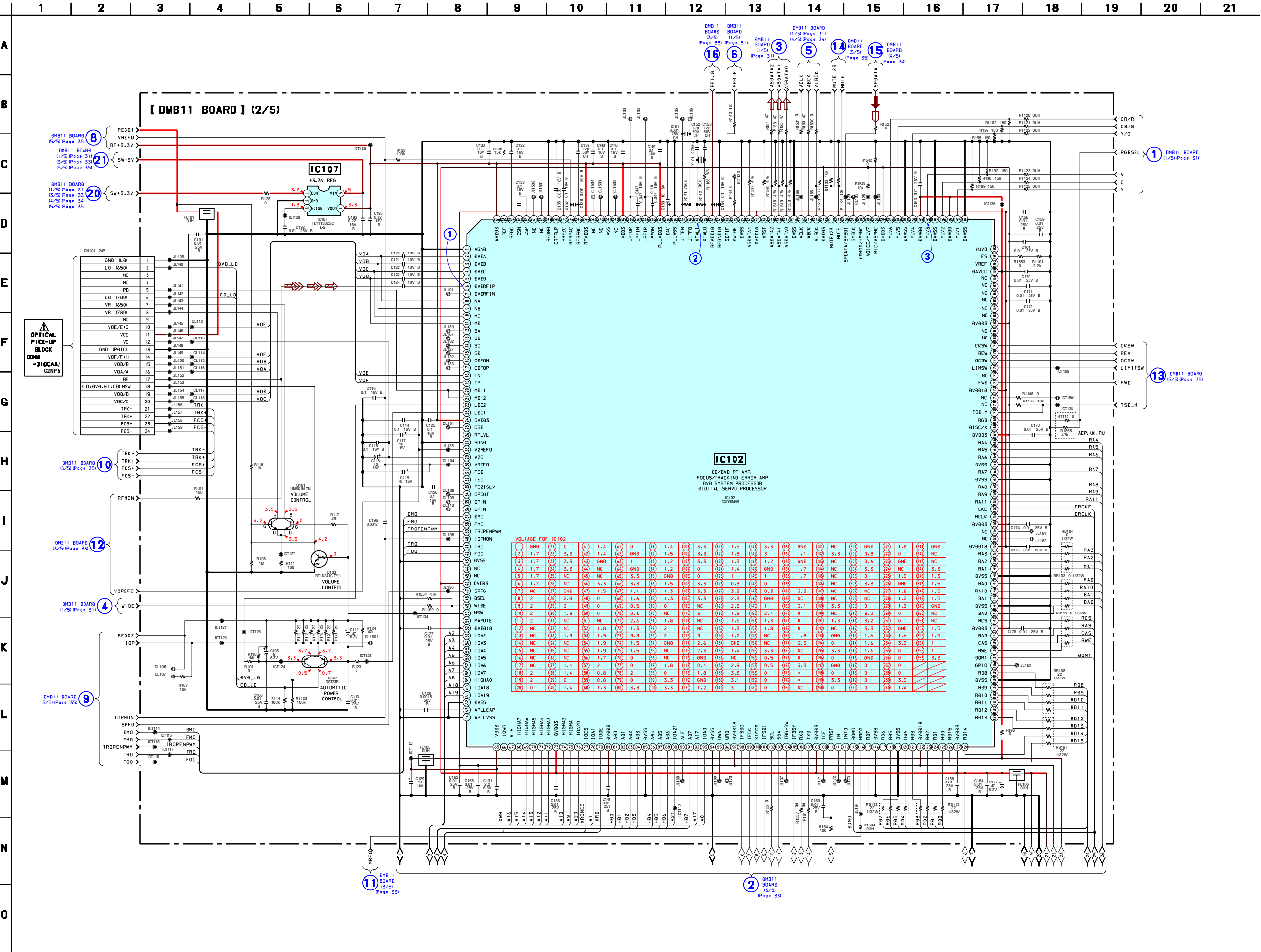
• Semiconductor Location

Ref. No.	Location
D3601	B-3
D3602	C-3
IC105	F-8
IC107	D-7
IC3601	B-3
IC4501	D-3
IC4502	E-3
Q101	D-8
Q102	E-8

5-8. SCHEMATIC DIAGRAM – DMB11 BOARD (1/5) –

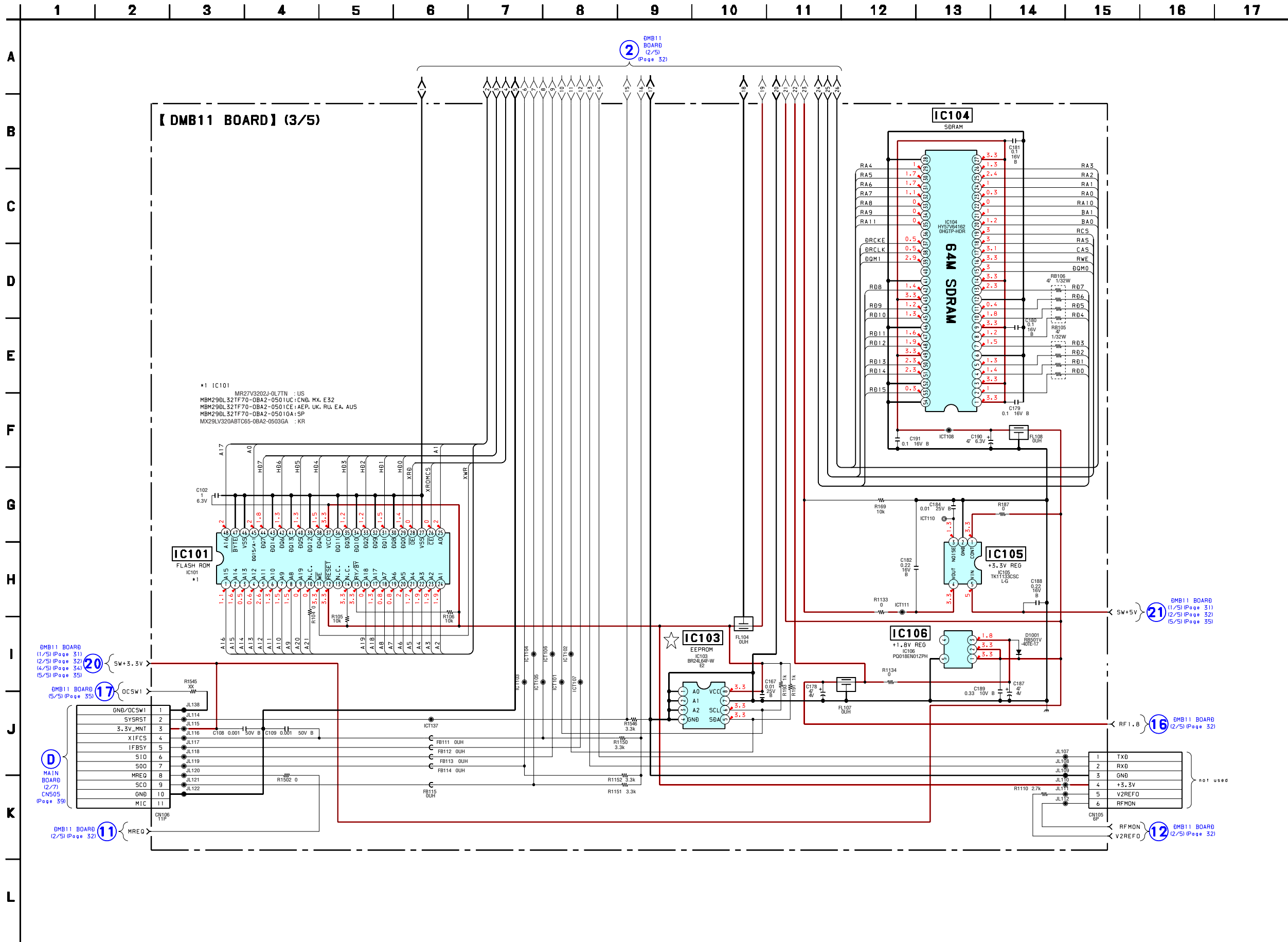


5-9. SCHEMATIC DIAGRAM – DMB11 BOARD (2/5) – • See page 51 for Waveforms. • See page 58 for IC Pin Function Description.

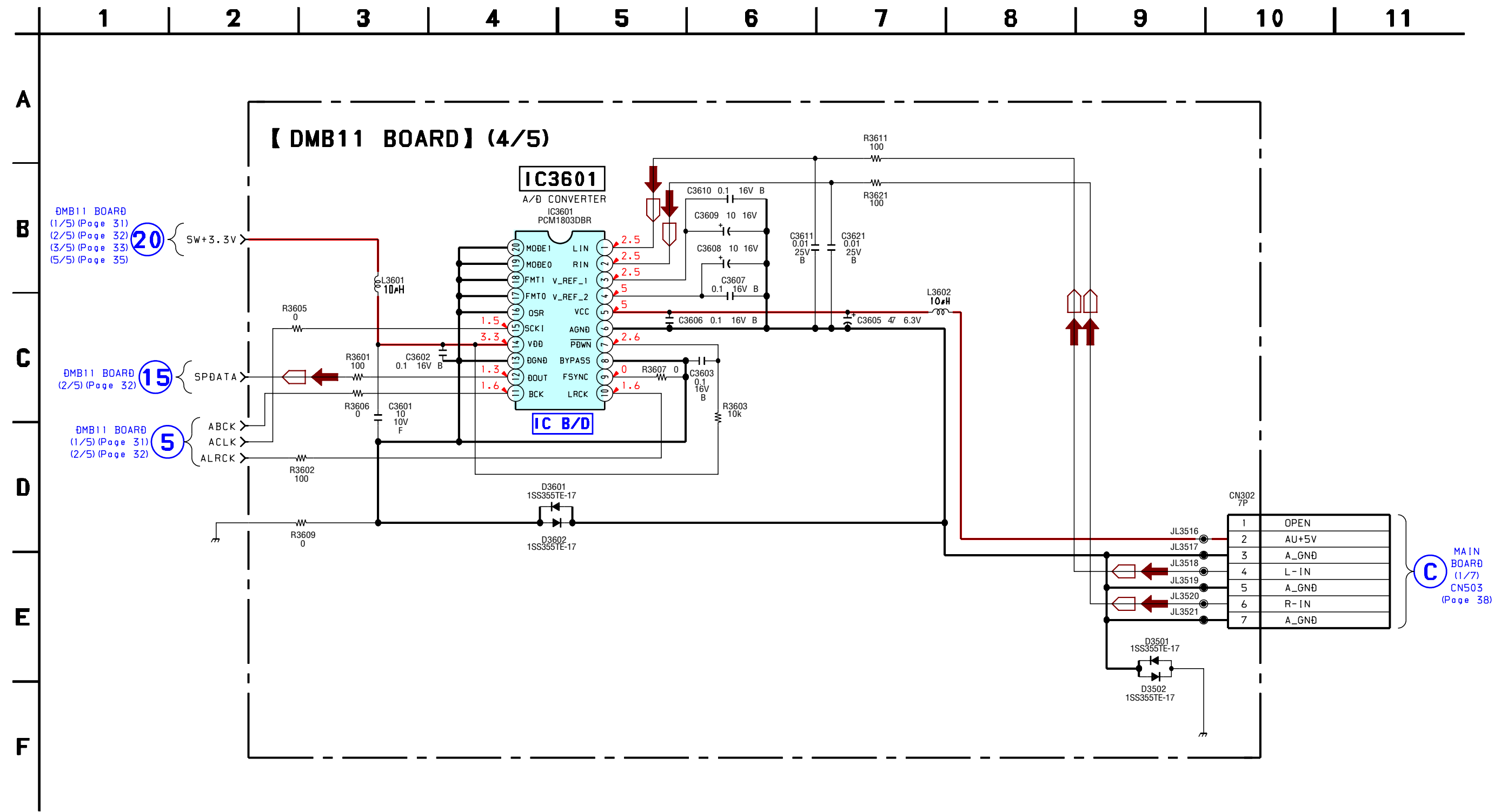


5-10. SCHEMATIC DIAGRAM – DMB11 BOARD (3/5) –

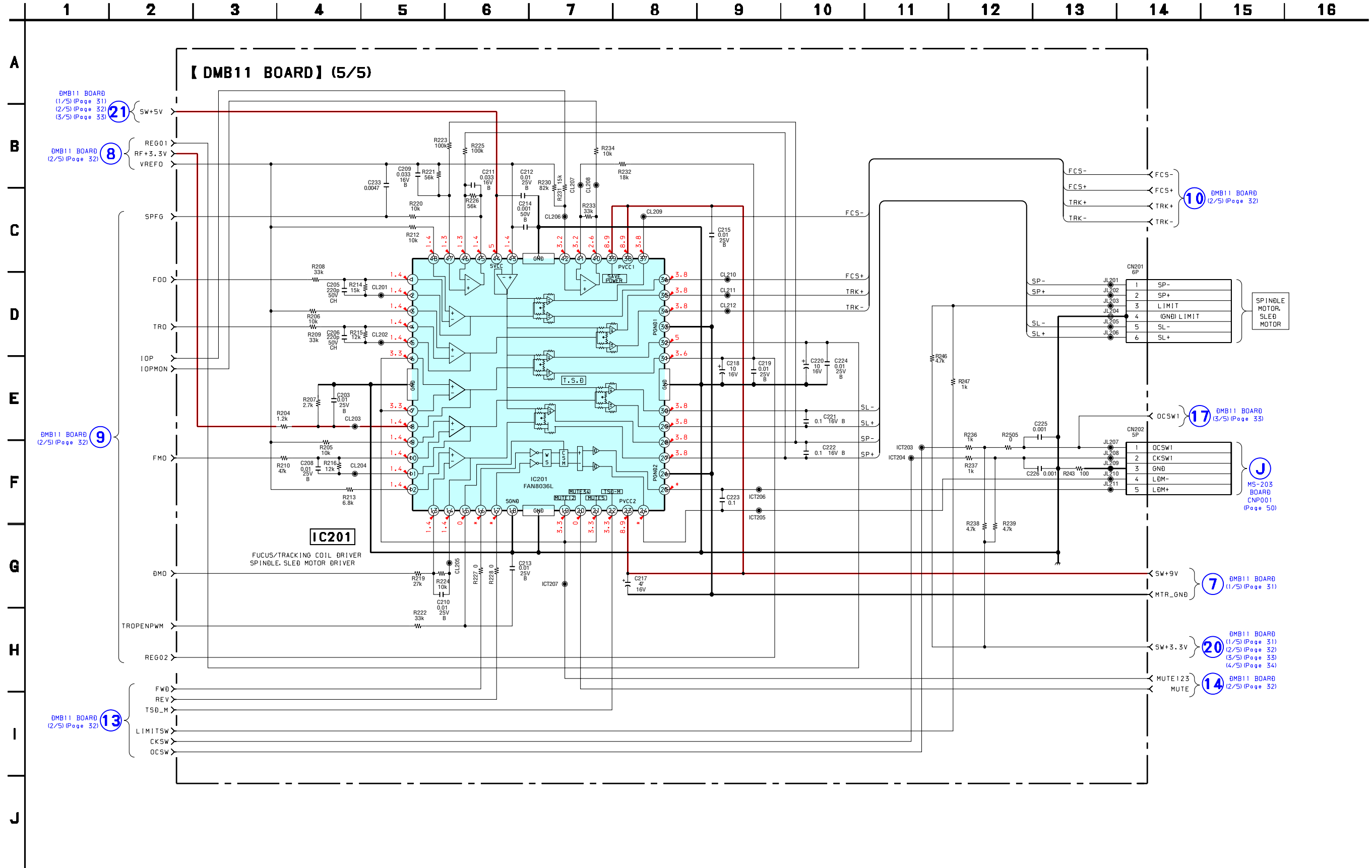
☆ New part of EEP ROM (IC103) on the DMB11 board cannot be used.
Therefore, if the mounted DMB11 board (A-1121-906-A, etc.) is replaced,
exchange new EEP ROM (IC103) with that used before the replacement.



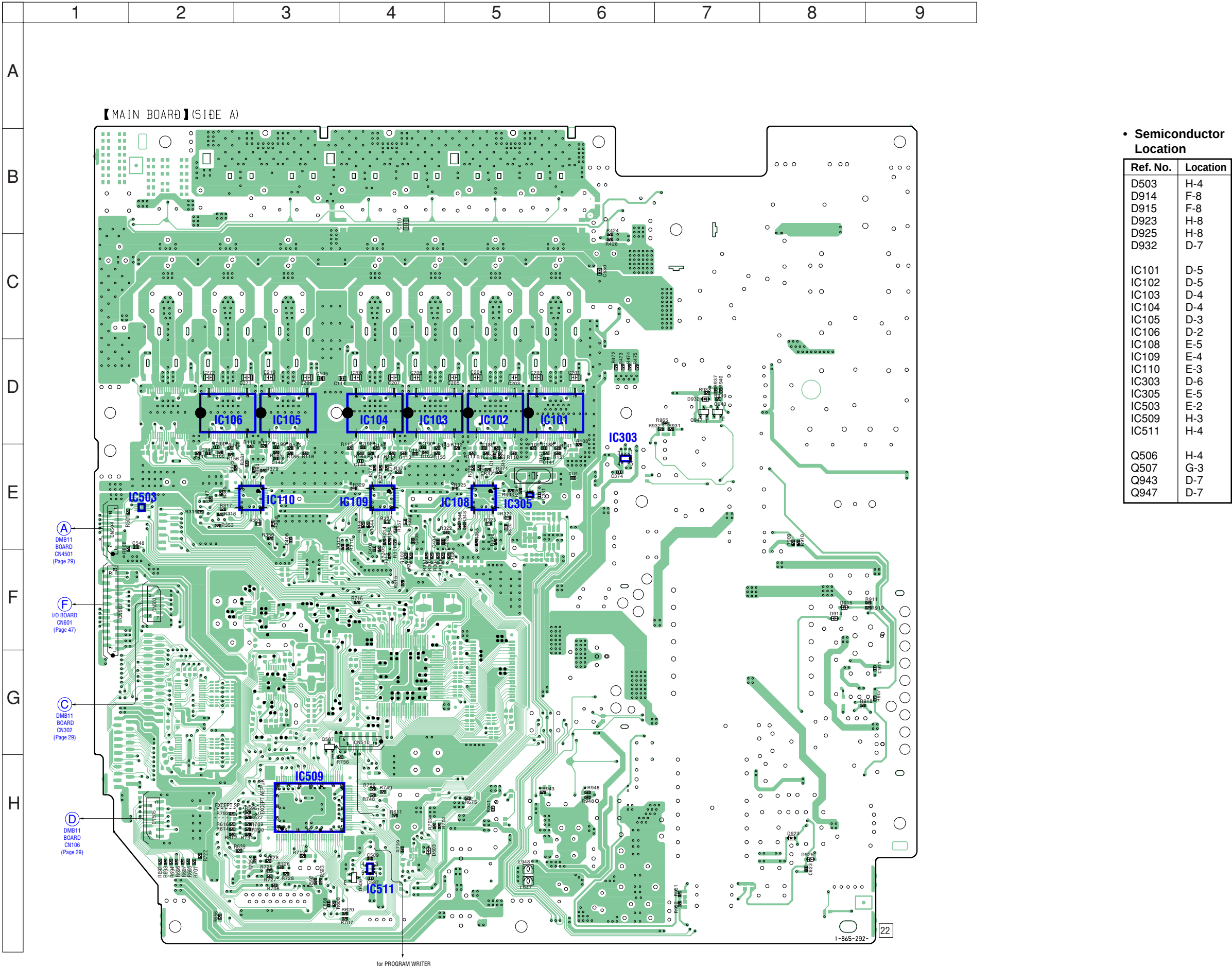
5-11. SCHEMATIC DIAGRAM – DMB11 BOARD (4/5) – • See page 52 for IC Block Diagram.



5-12. SCHEMATIC DIAGRAM – DMB11 BOARD (5/5) –



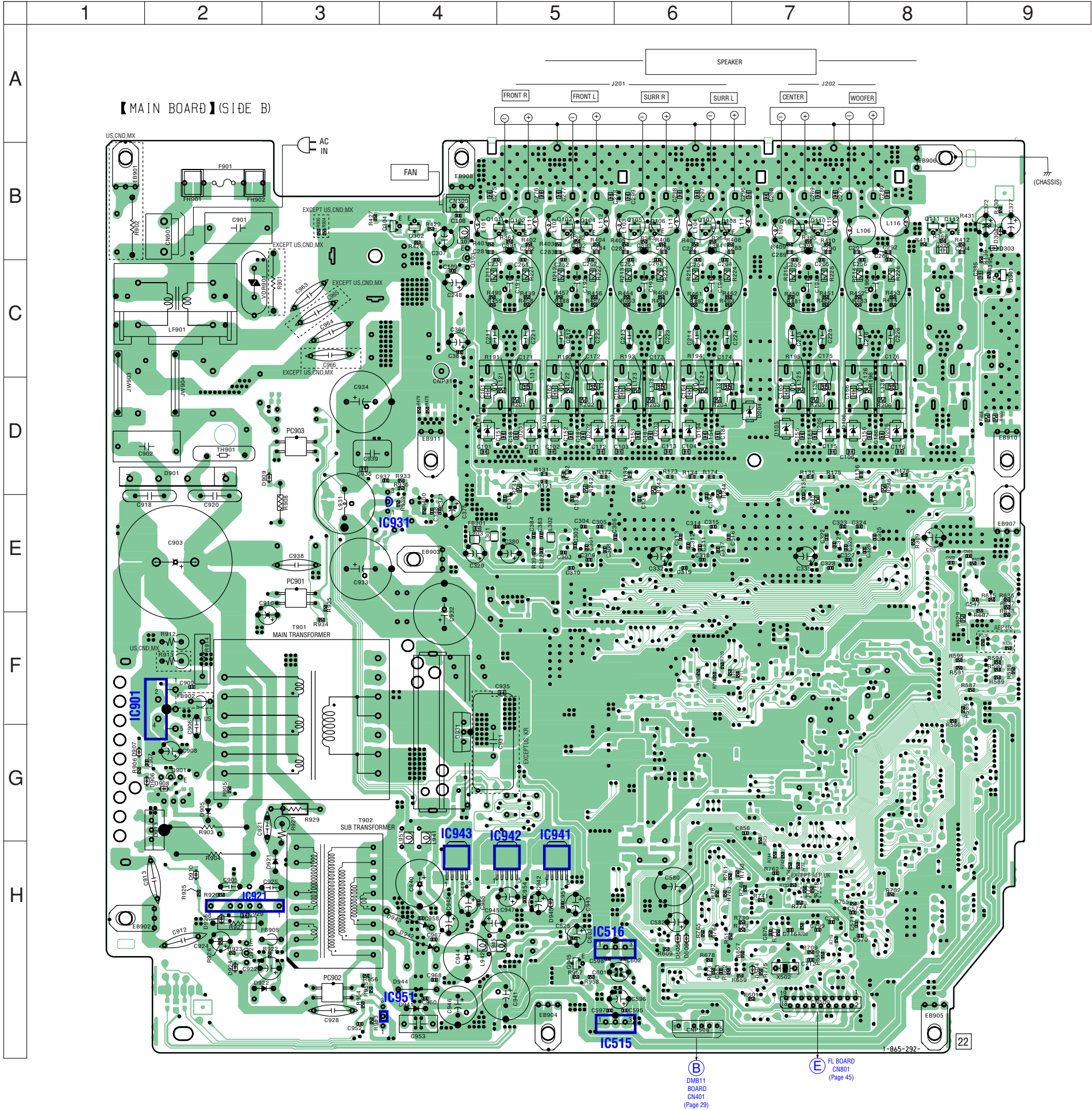
5-13. PRINTED WIRING BOARD – MAIN BOARD (SIDE A) – • See page 23 for Circuit Boards Location.  :Uses unleaded solder.



5-14. PRINTED WIRING BOARD – MAIN BOARD (SIDE B) – • See page 23 for Circuit Boards Location.

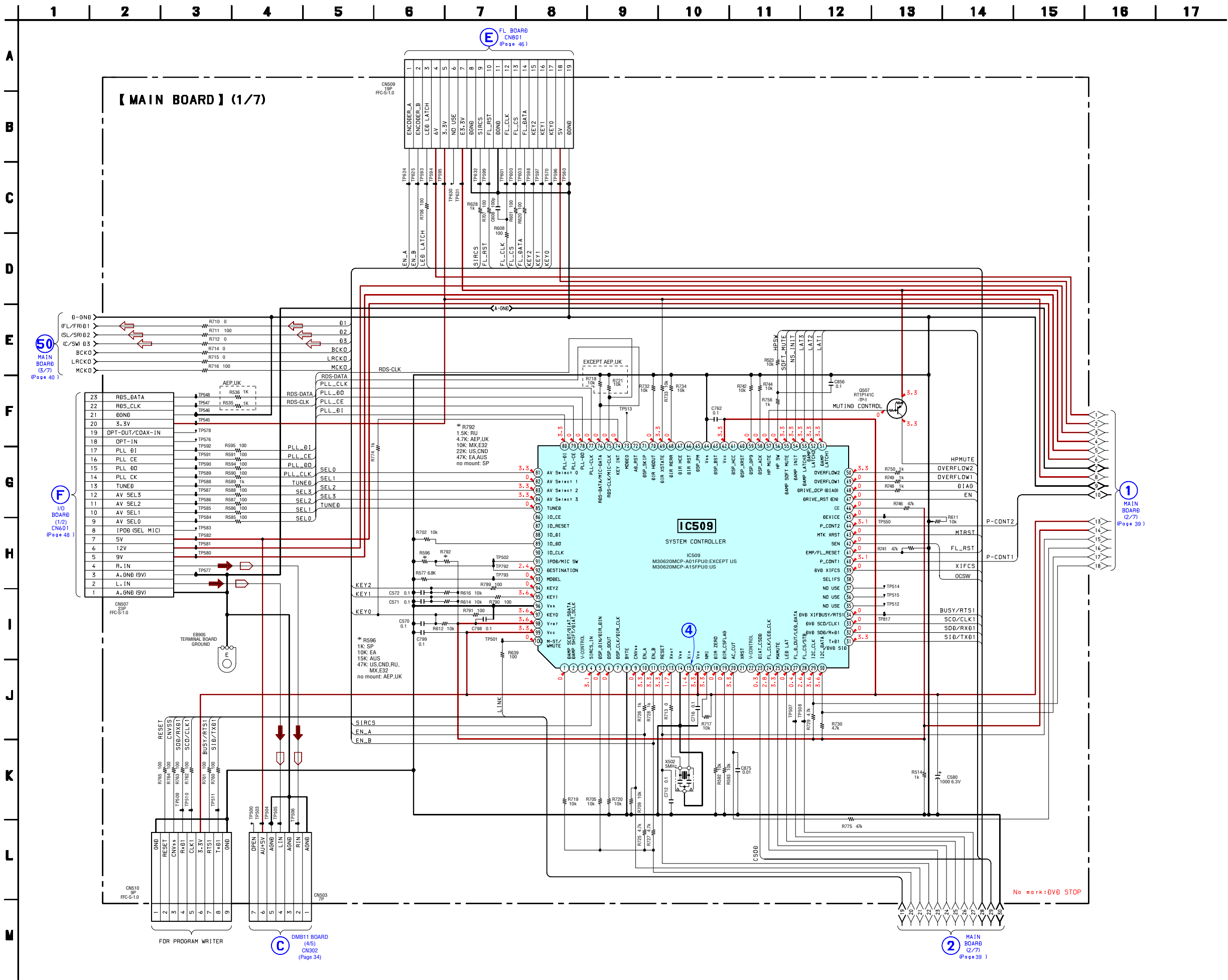


:Uses unleaded solder.

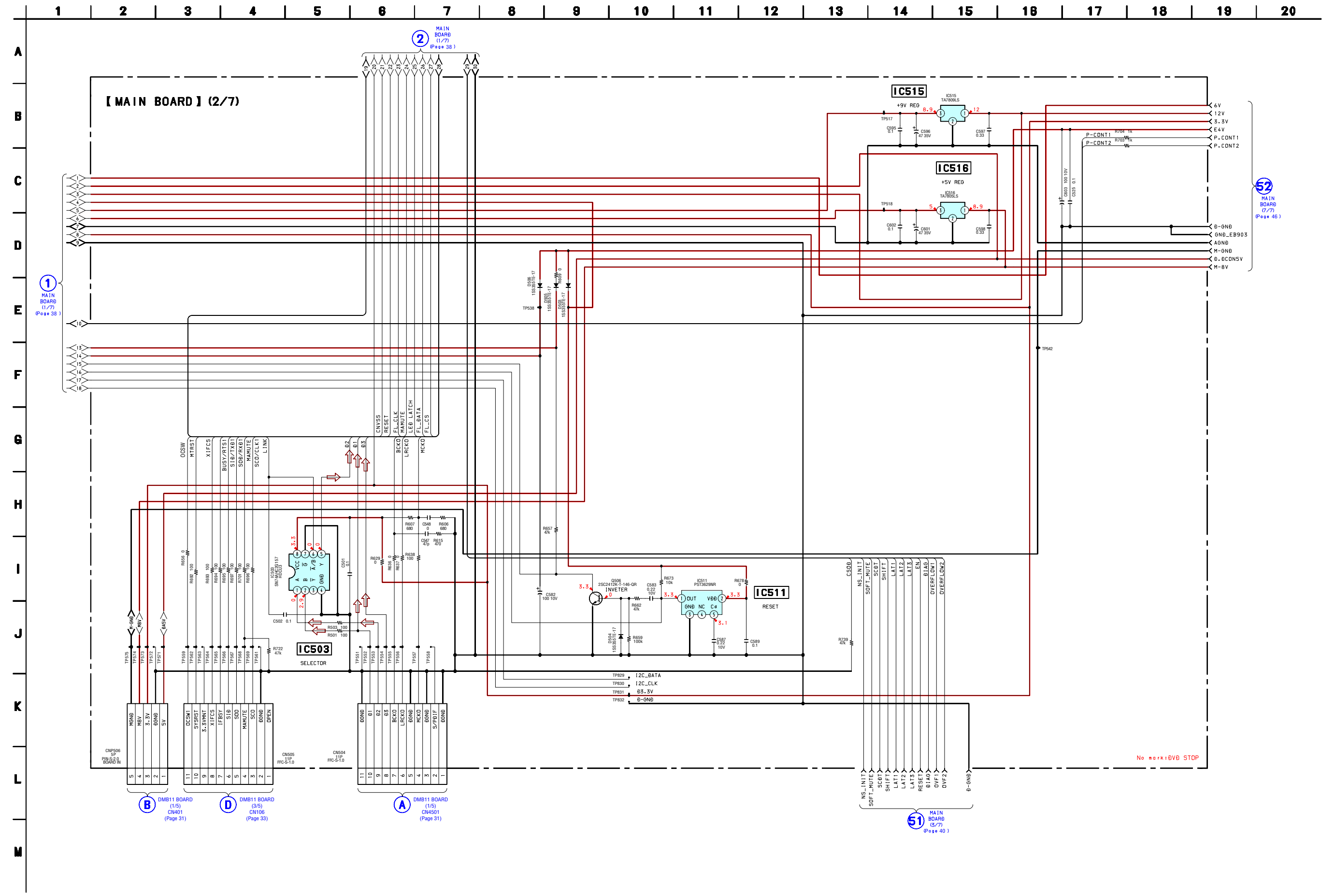


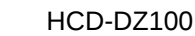
• Semiconductor Location

Ref. No.	Location
D101	D-4
D102	D-5
D103	D-5
D104	D-6
D105	D-7
D106	D-7
D201	D-5
D202	D-5
D203	D-6
D204	D-7
D205	D-7
D206	D-8
D303	B-9
D304	B-9
D504	H-7
D505	H-6
D506	H-6
D901	D-2
D905	G-2
D906	G-2
D907	G-1
D908	G-2
D909	D-3
D910	H-2
D913	G-2
D921	H-3
D922	H-2
D924	H-2
D926	H-2
D931	G-4
D941	H-4
D942	H-4
D943	H-4
D944	H-4
D945	H-5
IC515	H-5
IC516	H-5
IC901	F-1
IC921	H-2
IC931	E-4
IC941	G-5
IC942	G-5
IC943	G-4
IC951	H-4
PC901	E-3
PC902	H-3
PC903	D-3
Q101	B-4
Q102	B-5
Q103	B-5
Q104	B-5
Q105	B-6
Q106	B-6
Q107	B-6
Q108	B-6
Q109	B-7
Q110	B-7
Q111	B-8
Q112	B-8
Q301	C-9
Q302	B-4
Q303	B-4
Q304	B-4
Q901	G-2
Q921	H-2
Q945	H-5



5-16. SCHEMATIC DIAGRAM – MAIN BOARD (2/7) –

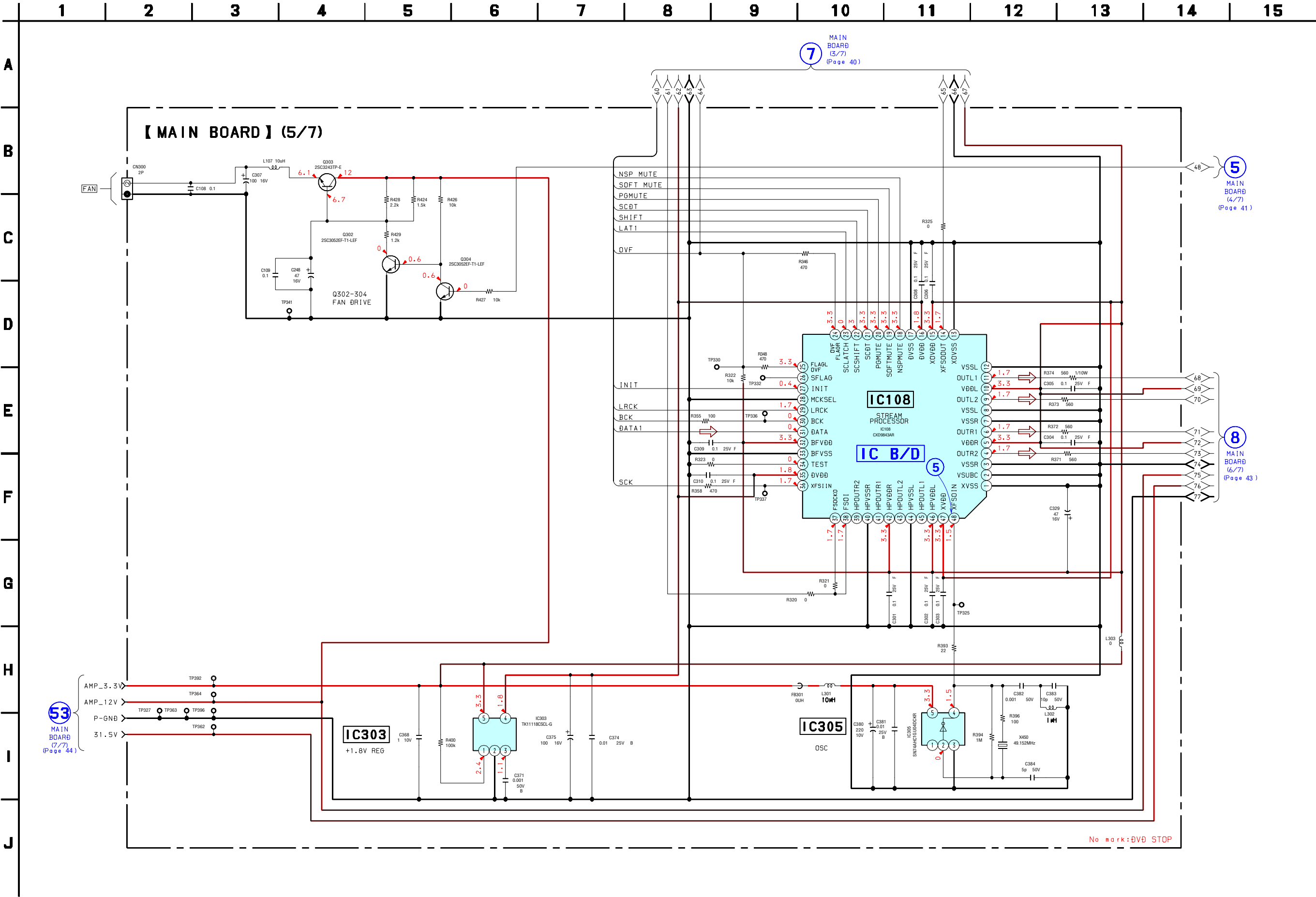




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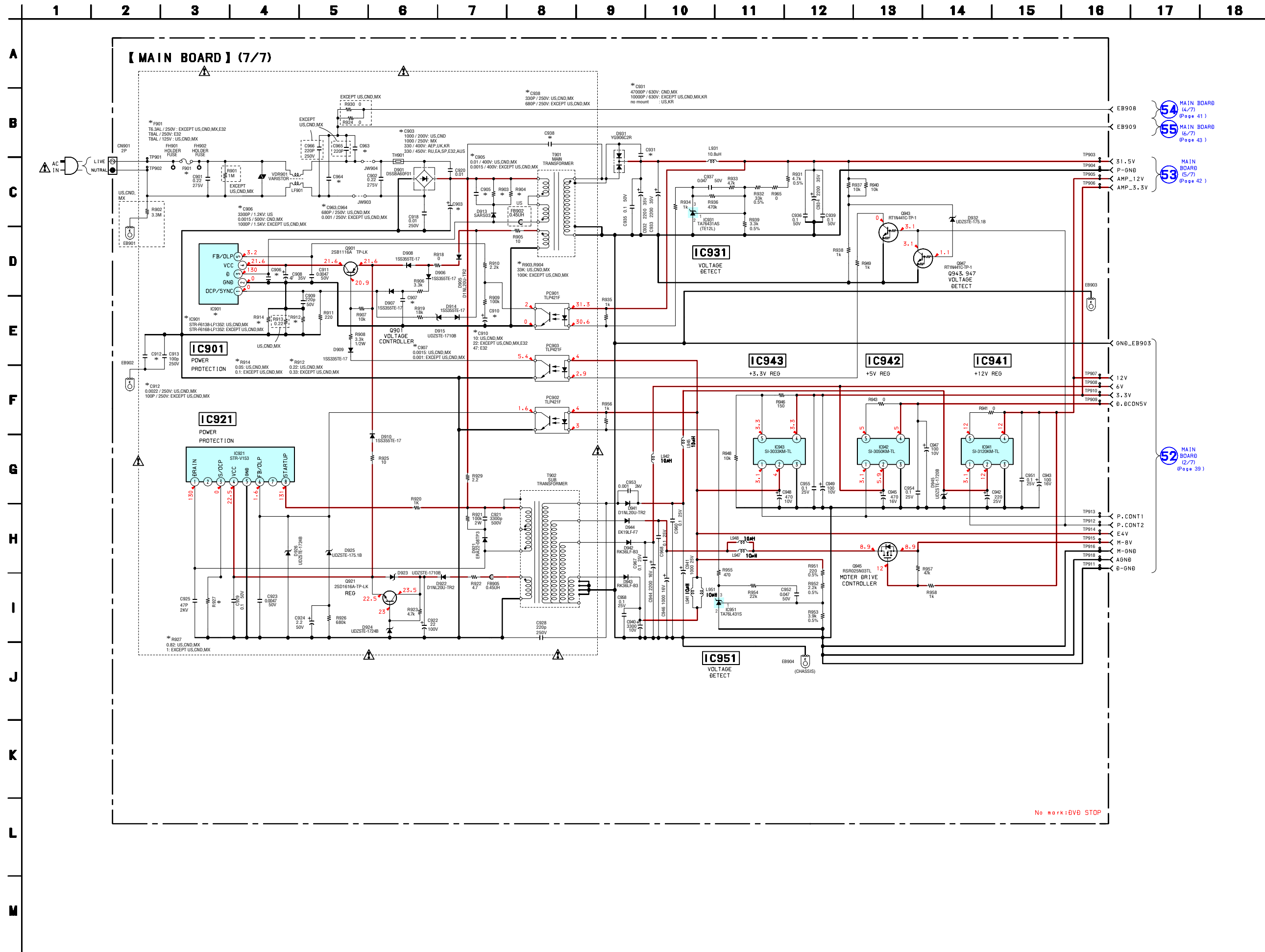


5-19. SCHEMATIC DIAGRAM – MAIN BOARD (5/7) – • See page 51 for Waveform. • See page 53 for IC Block Diagram.

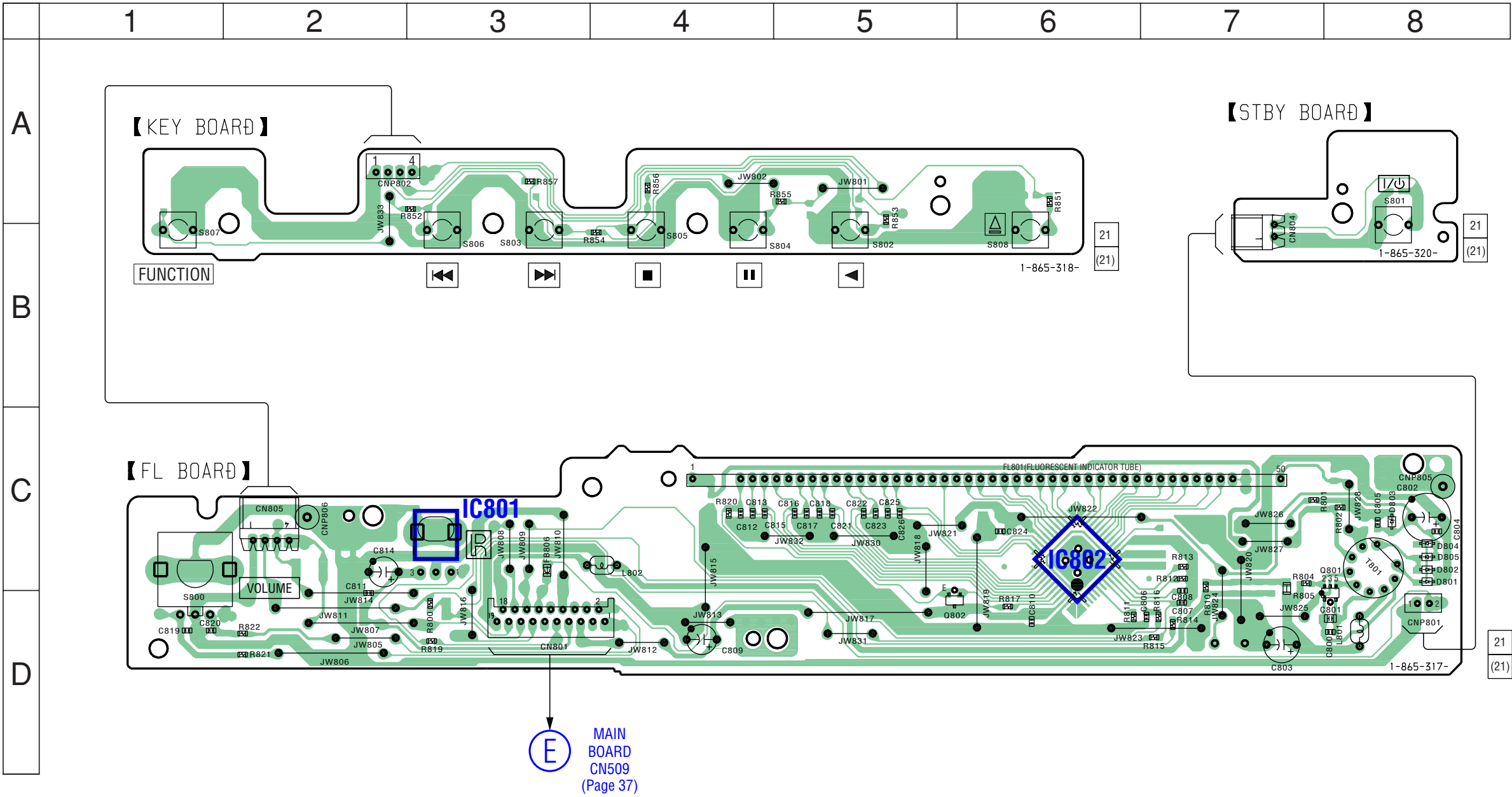


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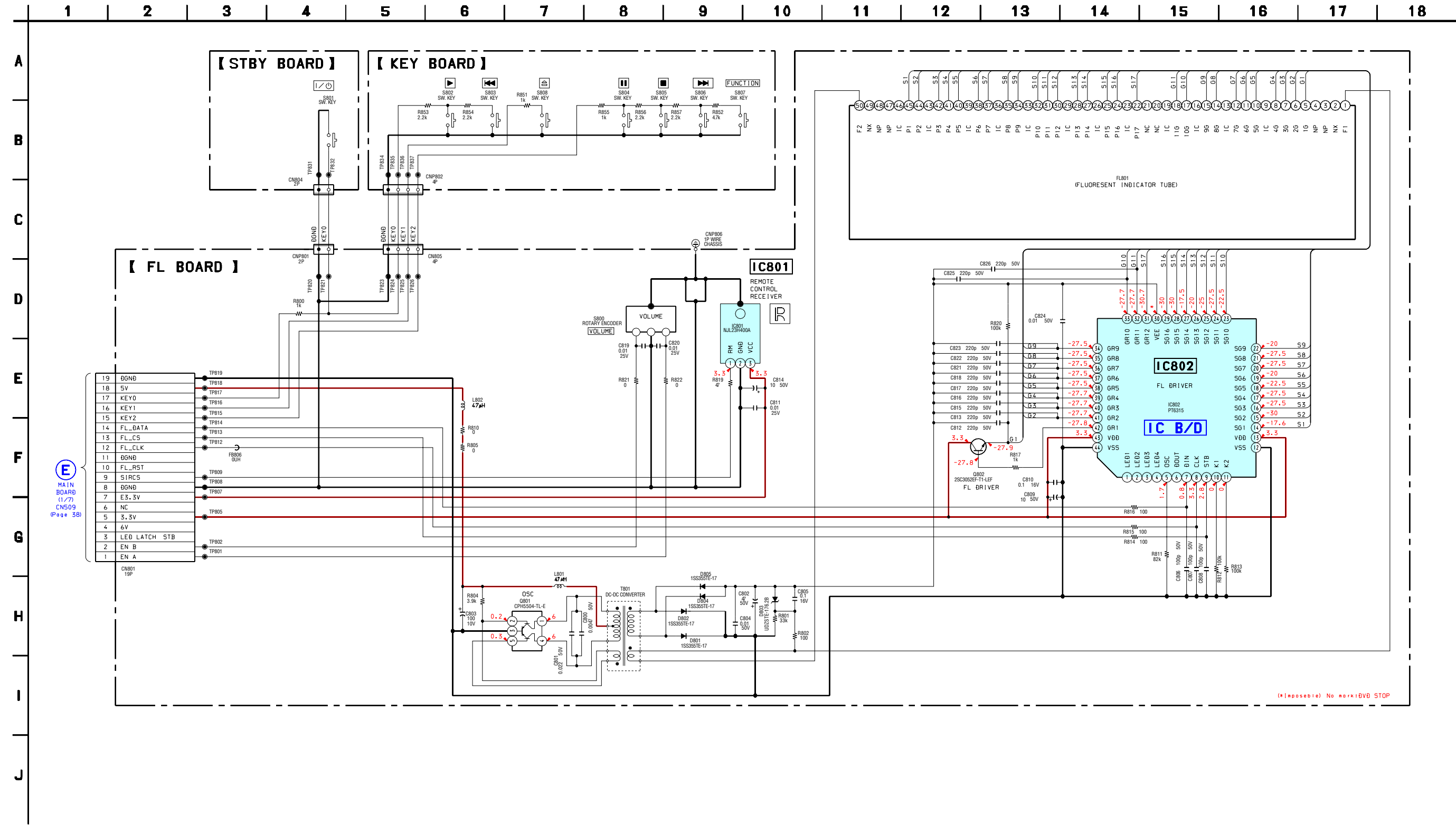


5-22. PRINTED WIRING BOARD – PANEL SECTION – • See page 23 for Circuit Boards Location. :Uses unleaded solder.



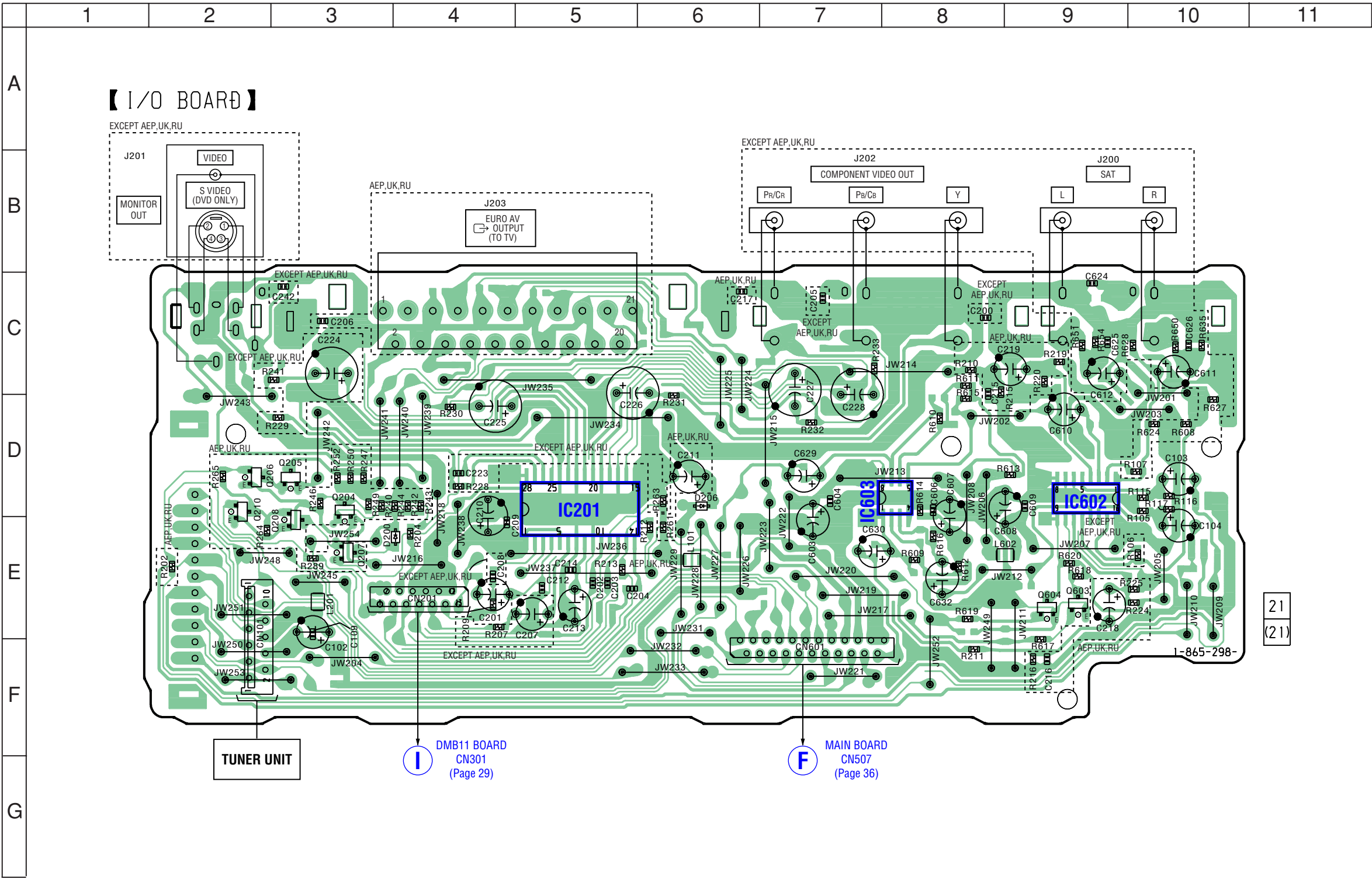
• Semiconductor Location

Ref. No.	Location
D801	C-8
D802	C-8
D803	C-8
D804	C-8
D805	C-8
IC801	C-3
IC802	C-6
Q801	C-8
Q802	D-5



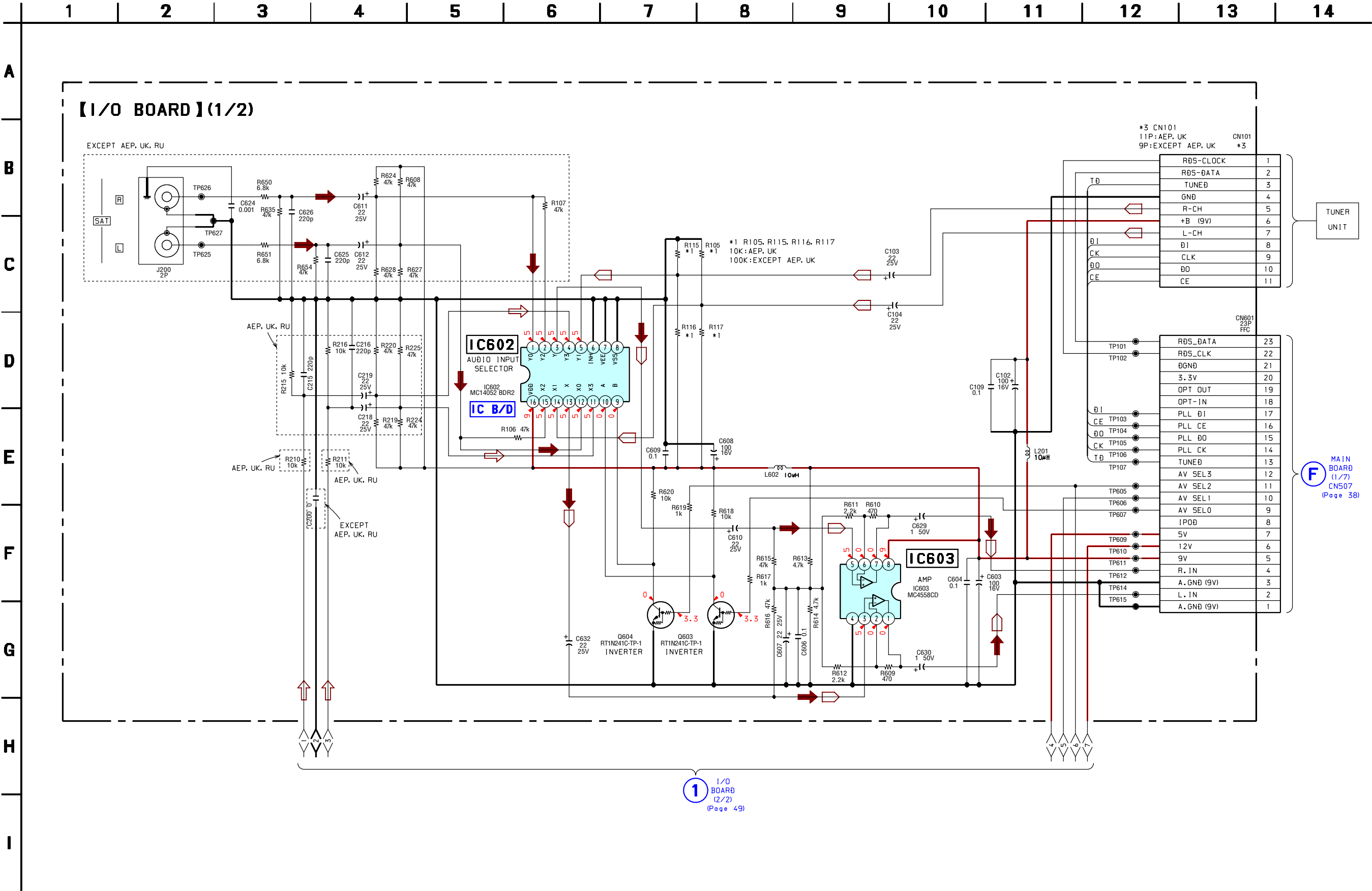
5-24. PRINTED WIRING BOARD – I/O BOARD – • See page 23 for Circuit Boards Location.

 :Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D200	E-3
D206	D-6
IC201	D-5
IC602	D-9
IC603	D-7
Q204	D-3
Q205	D-3
Q206	D-2
Q207	E-3
Q208	E-3
Q210	D-2
Q603	E-9
Q604	E-9

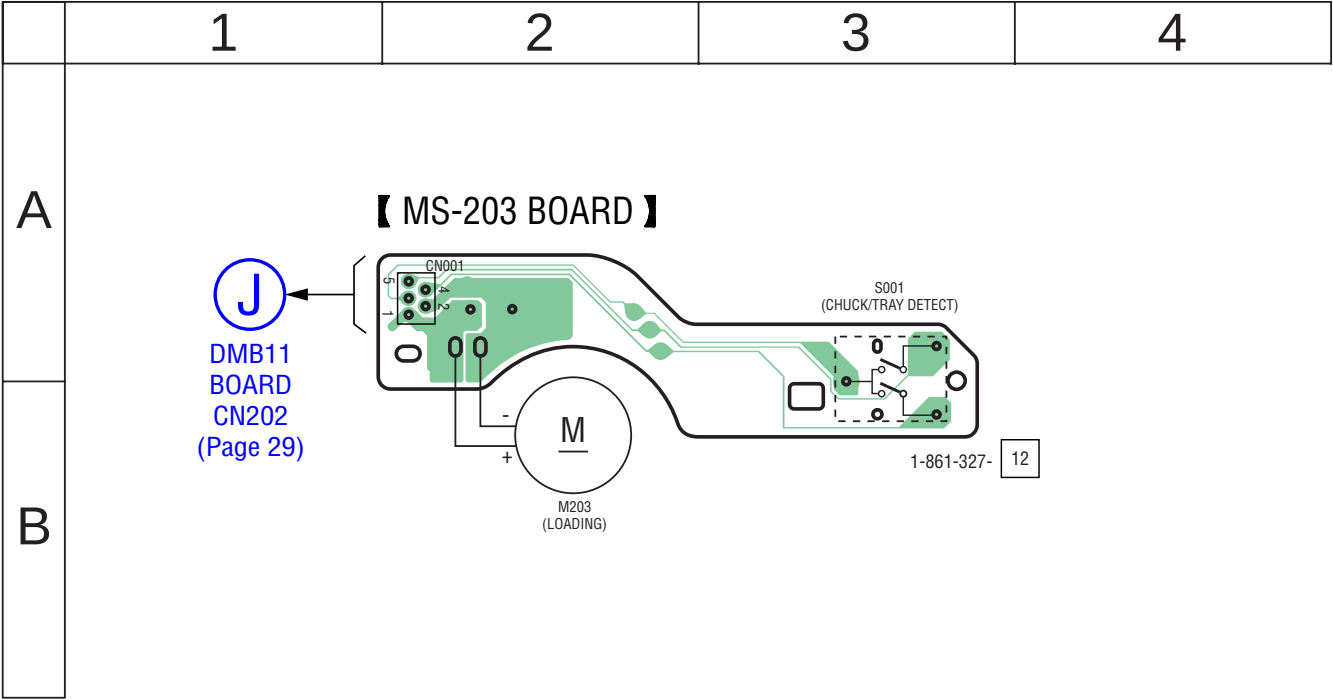


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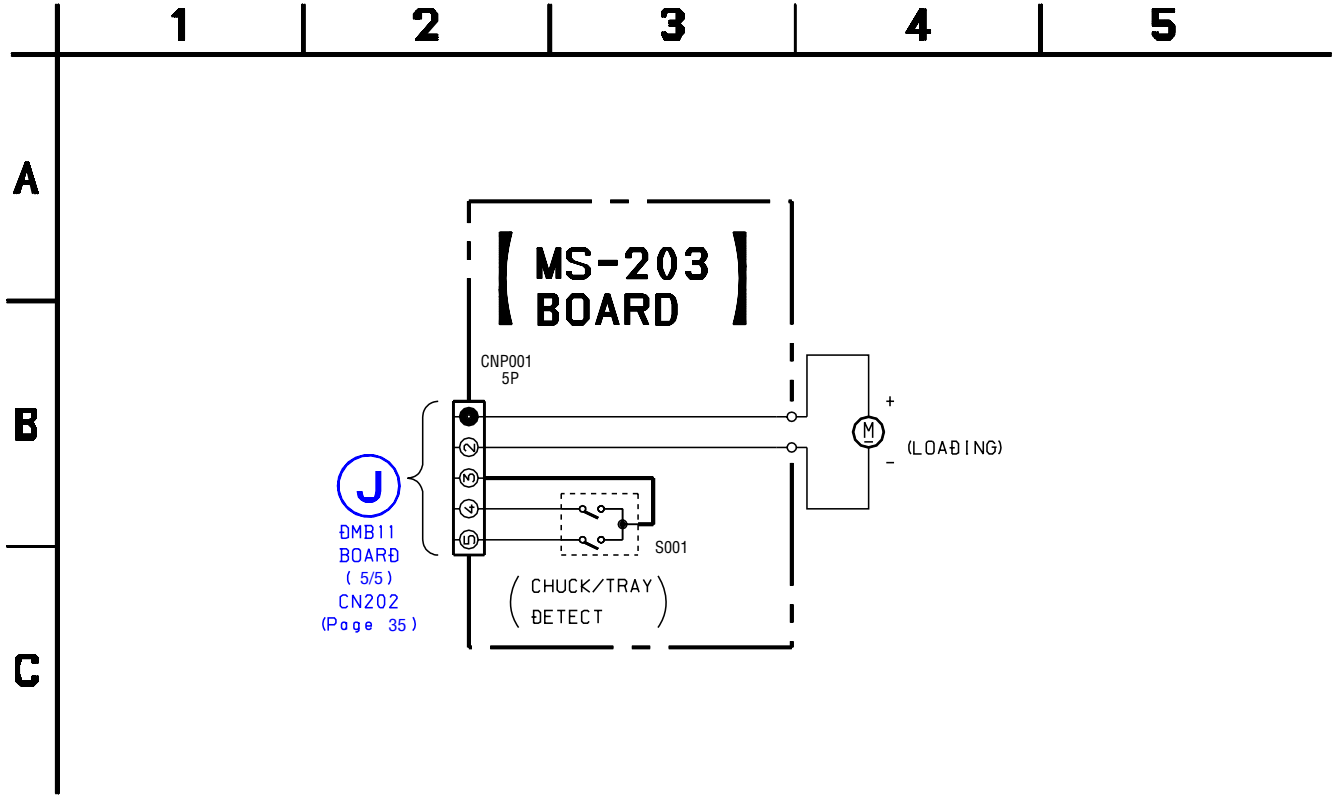


5-27. PRINTED WIRING BOARD – MS-203 BOARD – • See page 23 for Circuit Boards Location.

 :Uses unleaded solder.

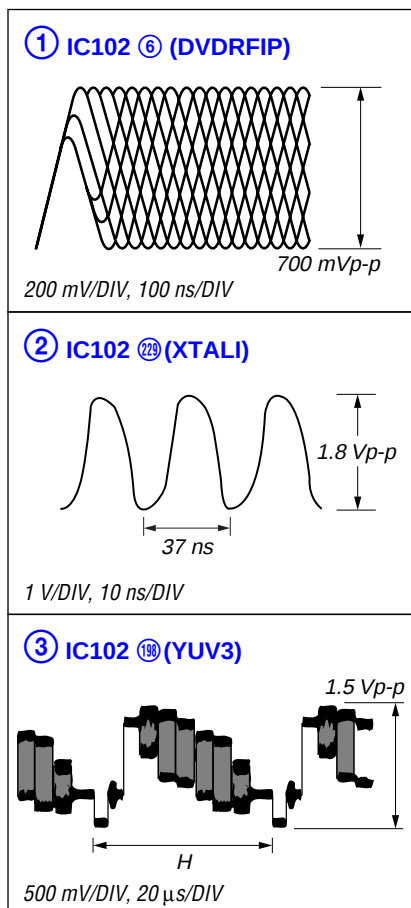


5-28. SCHEMATIC DIAGRAM – MS-203 BOARD –

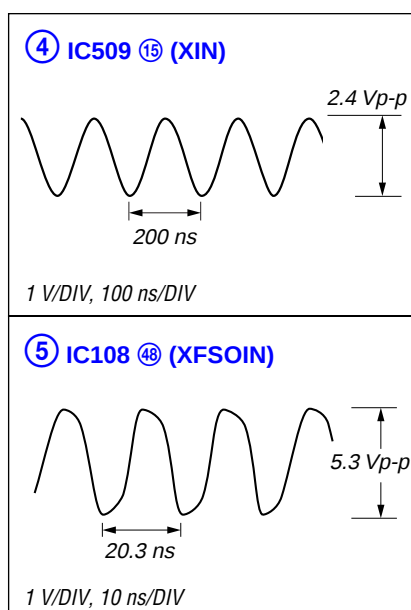


- Waveforms

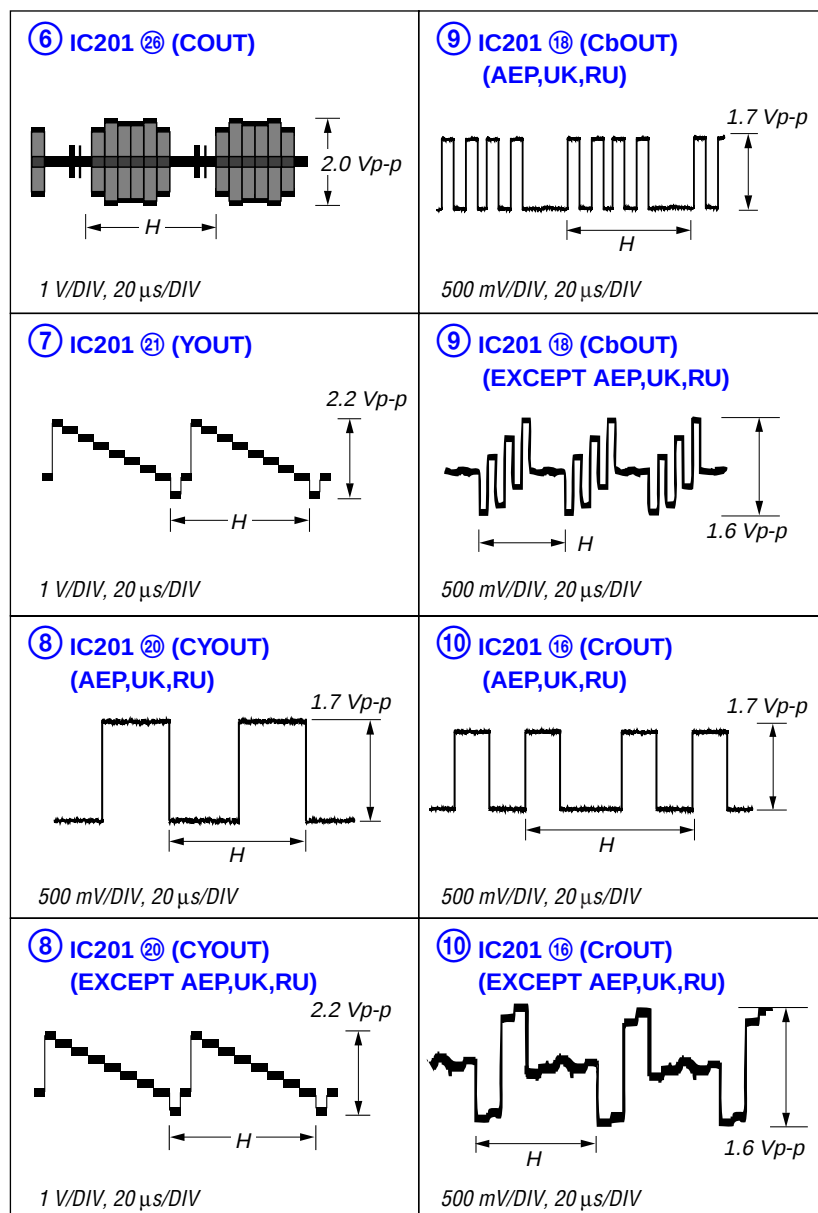
- DMB11 Board –



- MAIN Board –

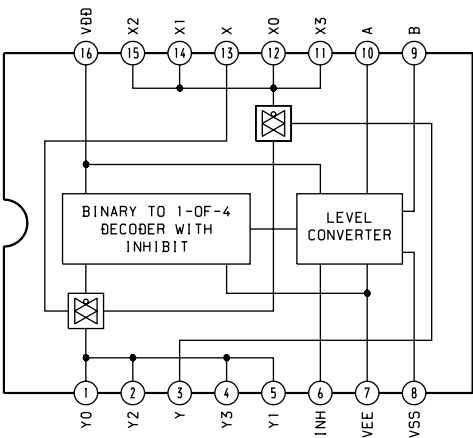


- I/O Board –

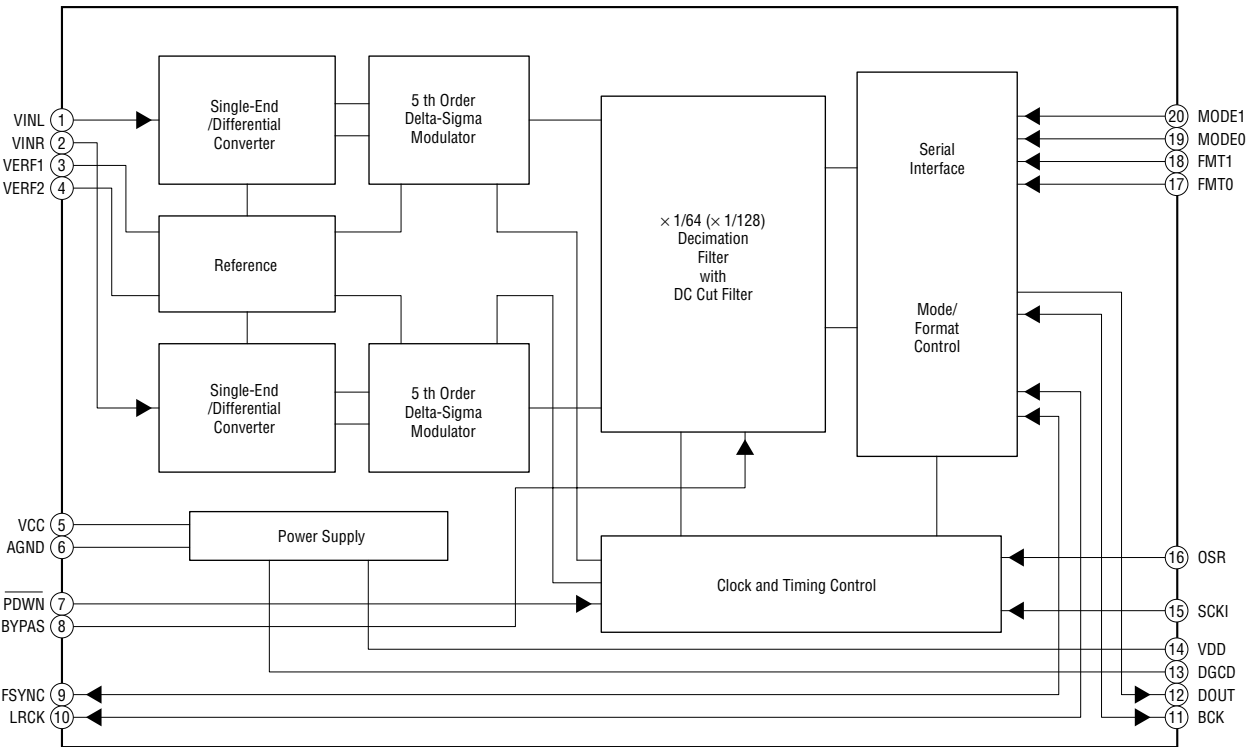


• IC Block Diagrams

– I/O Board –
IC602 MC14052BDR2

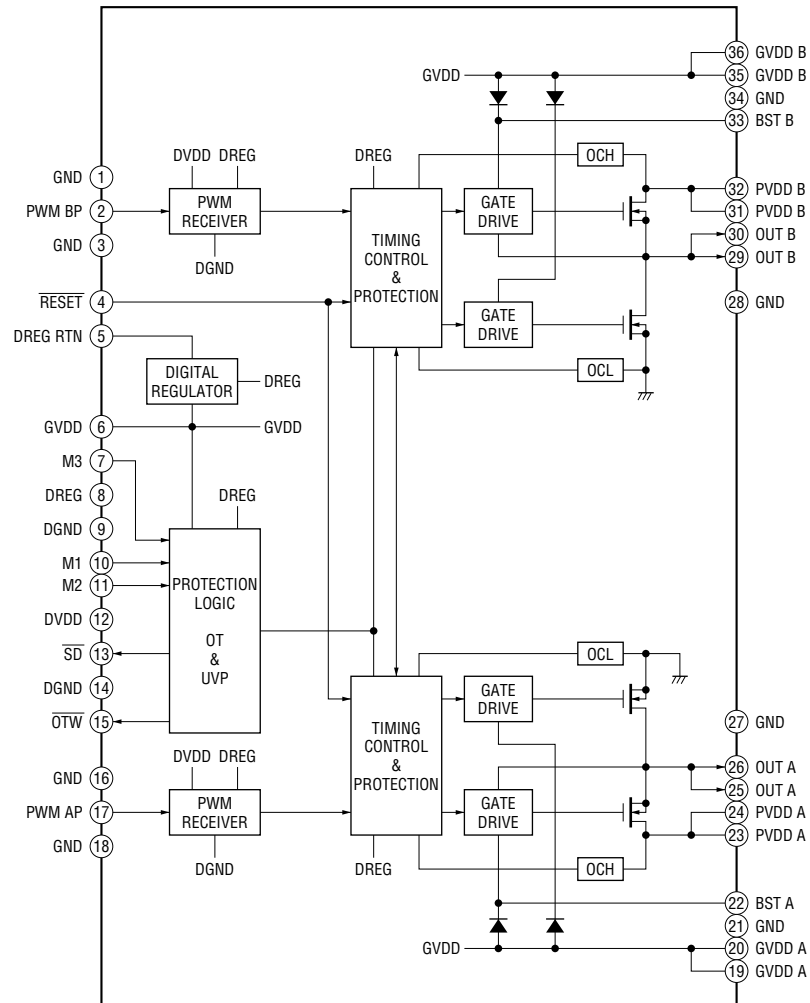


– DMB11 Board –
IC3601 PCM1803DBR

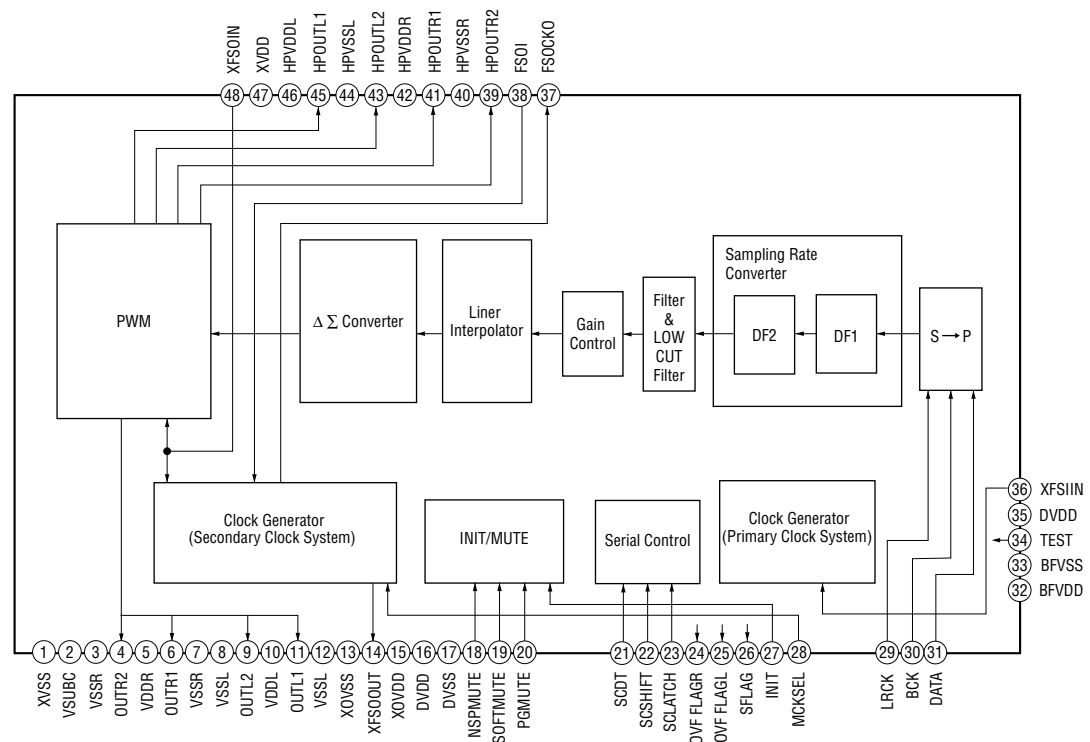


– MAIN Board –

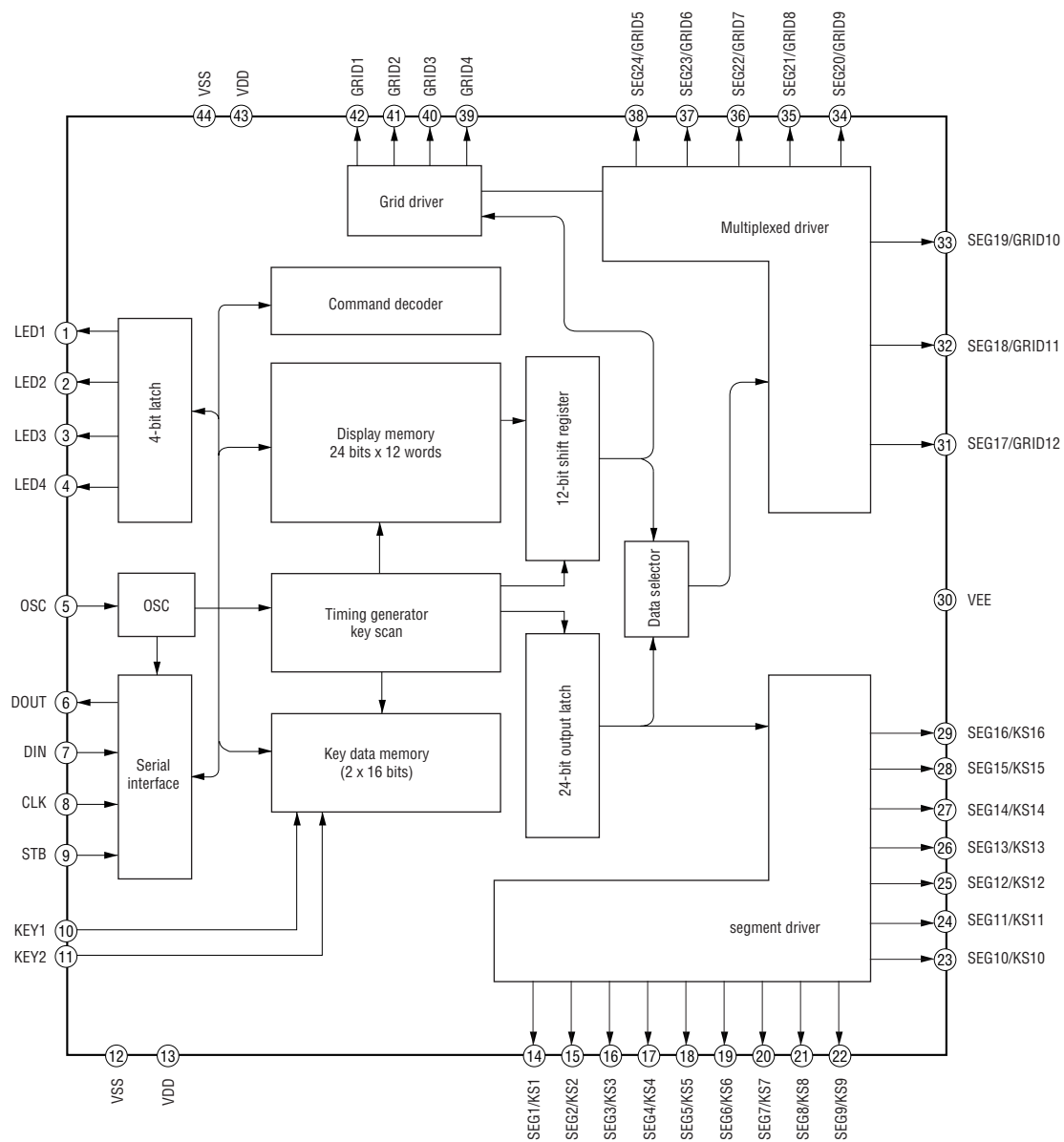
IC101-106 CXD9774M



IC108, 109, 110 CXD9843AR



– FL Board –
IC802 PT6315



• IC Pin Function Description

MAIN BOARD IC509 M30620MCP-A01FPU0/M30620MCP-A15FPU0 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	DAMP SCDT/ DIAT_SDATA	O	Digital amp (IC108 to 110) data output
2	DAMP SHIFT/ DIAT_SCLK	O	Digital amp (IC108 to 110) data output (not used)
3	XSCEN	O	Voltage control for amp (not used)
4	SIRCS_IN	I	Sircs input
5	DSP_DIN/DIR_DIN	O	DSP data input
6	DSP_DOUT	I	DSP/DIR data output (not used)
7	DSP_CLK/DIR_CLK	O	DSP/DIR clock output (not used)
8	BYTE	—	Ground terminal
9	CNVSS	I	Ground terminal
10	EN_A	I	Volume signal input from ENCODER (A)
11	EN_B	I	Volume signal input from ENCODER (B)
12	RESET	I	System reset signal input
13	XOUT	O	Crystal output for main clock
14	VSS	—	Ground terminal
15	XIN	I	Crystal input for main clock
16	VCC	—	Power supply (+3.3V)
17	NMI	I	Not used
18	DIR ZERO	I	DIR zero input (not used)
19	DIR_CSFLAG	I	DIR csflag input (not used)
20	AC_CUT	I	Detect AC-CUT (primary power off)
21	XRST	O	XRST signal output (not used)
22	V-CONTROL	O	Voltage control output (not used)
23	DIAT_CSOD	I	DIAT CSOB signal input (not used)
24	FL_CLK/LED_CLK	O	FL driver (IC802) / LED driver (IC803) clock output
25	MAMUTE	I	MAMUTE Signal input from DVD RF (IC102)
26	LED LAT	O	LED driver latch output
27	FL_D_OUT/LED_DATA	O	FL driver (IC802) / LED Driver (IC803) data output
28	FL_CS/STB	O	FL driver (IC802) chip select output
29	12C_CLK	I	12C clock input
30	12C_DATA	I	12C data input
31	DVD SID/TXDI	O	SID data output to DVD RF (IC102)
32	DVD SOD/RXDI	I	SOD data input from DVD RF (IC102)
33	DVD SCO/CLK1	I	Clock signal input from DVD RF (IC102)
34	DVD XIFBUSY/RTS1	O	IFBUSY signal output to DVD RF (IC102)
35	(NO USE)	—	Not used
36	(NO USE)	—	Not used
37	(NO USE)	—	Not used
38	SEL1FS	—	DIR_SELECT/Flash Write RTS1 (not used)
39	DVD XIFCS	O	DVD RF (IC102) chip select signal output
40	P_CONT1	O	IC REG control signal output
41	EMP/FL_RESET	O	Not used
42	SEN	O	OCSW signal output (not used)
43	MTK XRST	O	DVD reset signal output
44	P_CONT2	O	IC REG control signal output
45	DEVICE	O	Not used

Pin No.	Pin Name	I/O	Description
46	CE	O	Flash Write CE (not used)
47	DRIVE_RST(EN)	O	Driver signal reset
48	DRIVE_OCP(DIAG)	I	Digital amp (power driver) diag input
49	OVERFLOW1	I	Over flow status1 of digital amp input (IC110)
50	OVERFLOW2	I	Over flow status2 of digital amp input (IC108 to 110)
51	DAMP LATCH1	O	Digital amp (IC108) chip select1 signal output
52	DAMP LATCH2	O	Digital amp (IC109) chip select2 signal output
53	DAMP LATCH3	O	Digital amp (IC110) chip select3 signal output
54	DAMP INIT	O	Digital amp (IC108 to 110) reset signal output
55	DAMP SOFT MUTE	O	Digital amp (IC108 to 110) soft muting output
56	HP SW	I	Switch headphone is insert signal input
57	HP MUTE	O	Control of muting headphone signal output
58	DSP_ACK	I	DSP acknowledge input (not used)
59	DSP_GP9	I	DSP GP9 input (not used)
60	DSP_XRST	O	DSP reset output (not used)
61	DSP_HCE	O	DSP chip enable output (not used)
62	VCC	—	Power supply (+3.3V)
63	DSP_BST	O	DSP bootstrap output (for DSP INIT) (not used)
64	VSS	—	Ground terminal
65	DSP_PM	O	DSP pll initial output (not used)
66	DIR_RST	O	DIR reset output (not used)
67	DIR_HCE	O	DIR chip enable signal output (not used)
68	DIR_RERR	I	DIR error input (not used)
69	DIR_XSTATE	I	DIR change clock status input (not used)
70	DIR_HDOUT	I	DIR Data input (not used)
71	DSP_SKIP	O	DSP GP12 output (not used)
72	AD_RST	O	ADC reset output (not used)
73	MODEO	—	Not used
74	KEY INT	I	Wakeup from ECO mode by key input
75	RDS-CLK/MIC-CLK	O	Tuner RDS clock output
76	RDS-DATA/MIC-DATA	I	Tuner RDS data input
77	PLL-CLK	O	Tuner clock output
78	PLL-DO	O	Tuner data output (uCOM→pack)
79	PLL-CE	O	Tuner chip enable output
80	PLL-DI	I	Tuner data input (pack→uCOM)
81	AV SELECT 0	O	Audio/Video select0 output
82	AV SELECT 1	O	Audio/Video select1 output
83	AV SELECT 2	O	Audio/Video select2 output
84	AV SELECT 3	O	Audio/Video select3 output (not used)
85	TUNED	I	Tuner pack tuned input
86	IO_CE	O	I/O expander chip enable / control of loading CD tray (open action)
87	IO_RESET	O	I/O expander reset / control of loading CD tray (close action)
88	IO_DI	I	I/O expander data in / SW2 of CDM
89	IO_DO	O	I/O expander data out / SW3 of CDM
90	IO_CLK	O	I/O expander clock output
91	IPOD/MIC SW	O	Audio signal mute control output
92	DESTINATION	I	Destination select input

Pin No.	Pin Name	I/O	Description
93	MODEL	I	Model select input
94	KEY2	I	Key input 2 input
95	KEY1	I	Key input 1 input
96	VSS	—	Ground
97	KEY0	I	Key input 0 input
98	VREF	I	Reference Voltage (+3.3V)
99	VCC	I	Power supply (+3.3V)
100	M-ST/WMUTE	O	Selector (IC503) WMUTE signal output

DMB11 BOARD IC102 CXD9849R

(CD/DVD RF AMP, FOCUS/TRACKING ERR AMP, DVD SYSTEM PROCESSOR, DIGITAL SERVO PROCESSOR)

Pin No.	Pin Name	I/O	Description
1	AGND	—	Terminal Ground
2	DVDA	I	AC coupled input path A
3	DVDB	I	AC coupled input path B
4	DVDC	I	AC coupled input path C
5	DVDD	I	AC coupled input path D
6	DVDRFIP	I	AC coupled DVD RF signal input RFIP
7	DVDRFIN	I	AC coupled DVD RF signal input RFIN (not used)
8	NA	I	DC coupled main-beam RF signal input A
9	NB	I	DC coupled main-beam RF signal input B
10	MC	I	DC coupled main-beam RF signal input C
11	MD	I	DC coupled main-beam RF signal input D
12	SA	I	DC coupled sub-beam RF signal input A (not used)
13	SB	I	DC coupled sub-beam RF signal input B (not used)
14	SC	I	DC coupled sub-beam RF signal input C (not used)
15	SD	I	DC coupled sub-beam RF signal input D (not used)
16	CDFON	I	CD focusing error negative input (not used)
17	CDFOP	I	CD focusing error positive input (not used)
18	TNI	I	3 beam satellite PD signal negative input
19	TPI	I	3 beam satellite PD signal positive input
20	MDI1	I	Laser power PD monitor input
21	MDI2	I	Laser power PD monitor input
22	LDO2	O	Laser drive output
23	LDO1	O	Laser drive output
24	SVDD3	—	Power Supply (+3.3V)
25	CSO	O	Central servo, Positive main beam summing output (not used)
26	RFLVL	O	RFRP low pass, or Positive main beam summing output (not used)
27	SGND	—	Terminal Ground
28	V2REFO	O	Reference voltage 2.8V
29	V2O	O	Reference voltage 2.0V
30	VREFO	O	Reference voltage 1.4V
31	FEO	O	Focus error monitor output (not used)
32	TEO	O	Tracking error monitor output (not used)
33	TEZISLY	O	TE Slicing Level (not used)
34	OPOUT	O	Op amp output (not used)
35	OPIN	I	Op amp negative input (not used)
36	OPIN	I	Op amp positive input (not used)
37	DMO	O	Disk motor control output. PWM output
38	FMO	O	Feed motor control. PWM output
39	TROPENPWM	O	Tray PWM output/Tray open output.
40	IOPMON	O	General PWM output
41	TRO	O	Tracking servo output
42	FOO	O	Focus servo output
43	USBVSS	—	Terminal Ground
44	USBP	I	USB port DPLUS analog pin (not used)
45	USBM	I	USB port DMINUS analog pin (not used)
46	USBVDD3	—	Power Supply (+3.3V)
47	SPFGG	I	Motor Hall sensor input

Pin No.	Pin Name	I/O	Description
48	DSEL	—	Not Used
49	WIDE	I	Wide switch signal input terminal
50	MSW	I	Mute signal control input
51	MAMUTE	O	MAMUTE signal output to System Controller (IC509) (not used)
52	DVDD18	—	Power Supply (+1.8V)
53 to 58	IOA 2 to 7	O	Address bus 2 to 7 output to PROM (IC101)
59	HIGHA0	O	Address bus 8 output to PROM (IC101)
60, 61	IOA18, 19	O	Address bus 18, 19 output to PROM (IC101)
62	DVSS	—	Terminal Ground
63	APLLCAP	I	APLL External Capacitance connection
64	APLLVSS	—	Terminal Ground
65	DVDD3	—	Power Supply (+3.3V)
66	IOWA	O	WE signal output to PROM (IC101)
67	A16	O	Address bus 16 output to PROM (IC101)
68 to 72	HIGHA 7 to 3	O	Address bus 15 to 11 output to PROM (IC101)
73	DVDD3	—	Power Supply (+3.3V)
74, 75	HIGHA 2, 1	O	Address bus 10, 9 output to PROM (IC101)
76	IOA20	O	Address bus 20 output to PROM (IC101)
77	IOCS	O	CE signal output to PROM (IC101)
78	IOA1	O	Address bus 1 output to PROM (IC101)
79	IOOE	O	OE signal output to PROM (IC101)
80	DVDD3	—	Power Supply (+3.3V)
81 to 84	AD 0 to 3	I	Data bus 0 to 3 input from PROM (IC101)
85	DVSS	—	Terminal Ground
86 to 88	AD 4 to 6	I	Data bus 4 to 6 input from PROM (IC101)
89	IOA21	O	Address bus 21 output to PROM (IC101)
90	ALE	O	Address latch enable (not used)
91	AD7	I	Data bus 7 input from PROM (IC101)
92	A17	O	Address bus 17 output to PROM (IC101)
93	IOA0	O	Address bus 0 output to PROM (IC101)
94	DVSS	—	Terminal Ground
95	UWA	I	System Controller write strobe (not used)
96	URB	I	System Controller read strobe (not used)
97	DVDD18	—	Power Supply (+1.8V)
98	IFSDO	I	DVD SOD signal input from System Controller (IC509)
99	IFCK	O	DVD SCO signal output to System Controller (IC509)
100	XIFCS	I	DVD XIFCS signal input from System Controller (IC509)
101	IFSDI	I	VIFBUSY signal input from System Controller (IC509)
102	SCL	O	SCL signal output to EEPROM (IC103)
103	SDA	O	SDA signal output to EEPROM (IC103)
104	TRG-SW	O	RS232 RXD signal output (not used)
105	IF-BSY	I	RS232 TXD signal input from System Controller (IC509)
106	RXD	I	RD232 RXD clock
107	TXD	I	RD232 TXD data
108	DVDD3	—	Power Supply (+3.3V)
109	ICE	I	ICE mode enable (not used)
110	PRST	I	MTRST signal input from System Controller (IC509)

Pin No.	Pin Name	I/O	Description
111	IR	I	IR control signal input (not used)
112	INT0	I	External interrupt0 (not used)
113	DQMO	O	DQM0 signal output to SD-RAM (IC104)
114	MREQ	I	DQM signal input
115	RD7	I	Data bus 7 from SD-RAM (IC104)
116	DVSS	—	Terminal Ground
117, 118	RD 6, 5	I	Data bus 6, 5 from SD-RAM (IC104)
119	DVSS	—	Terminal Ground
120, 121	RD 4, 3	I	Data bus 4, 3 from SD-RAM (IC104)
122	DVDD18	—	Power Supply (+1.8V)
123 to 125	RD 2 to 0	I	Data bus 2 to 0 from SD-RAM (IC104)
126	RD15	I	Data bus 15 from SD-RAM (IC104)
127	DVDD3	—	Power Supply (+3.3V)
128	RD 14	I	Data bus 14 from SD-RAM (IC104)
129 to 133	RD 13 to 9	I	Data bus 13 to 9 from SD-RAM (IC104)
134	DVSS	—	Terminal Ground
135	RD8	I	Data bus 8 from SD-RAM (IC104)
136	GPI0	—	Not Used
137	DQM1	O	DQM1 signal output to SD-RAM (IC104)
138	REW	O	WE signal output to SD-RAM (IC104)
139	CAS	O	CAS signal output to SD-RAM (IC104)
140	RAS	O	RAS signal output to SD-RAM (IC104)
141	DVDD3	—	Power Supply (+3.3V)
142	RCS	O	RCS signal output to SD-RAM (IC206)
143	BAO	O	BAO signal output to SD-RAM (IC206)
144	DVSS	—	Terminal Ground
145	BA1	O	BA1 signal output to SD-RAM (IC104)
146	RA10	O	Address bus 10 output to SD-RAM (IC104)
147	RA0	O	Address bus 0 output to SD-RAM (IC104)
148	DVSS	—	Terminal Ground
149 to 151	RA 1 to 3	O	Address bus 1 to 3 output to SD-RAM (IC104)
152	DVDD18	—	Power Supply (+1.8V)
153	RVREF	I	Reference voltage
154	RCLKB	I	Dram clock
155	DVDD3	—	Power Supply (+3.3V)
156	RCLK	O	CLK signal output to SD-RAM (IC104)
157	CKE	O	CKE signal output to SD-RAM (IC104)
158 to 160	RA 11 to 8	O	Address bus 11 to 8 output to SD-RAM (IC104)
161	DVSS	—	Terminal Ground
162	RA7	O	Address bus 7 output to SD-RAM (IC104)
163	DVSS	—	Terminal Ground
164 to 166	RA 6 to 4	O	Address bus 6 to 4 output to SD-RAM (IC104)
167	DVDD3	—	Power Supply (+3.3V)
168	DISC/X	—	Not Used
169	RGB	O	RGB control signal output
170	XSMRST	—	Not Used
171	WODE	O	SI signal output to VIDEO AMP (IC201)

Pin No.	Pin Name	I/O	Description
172	NT	—	Not Used
173	DVDD18	—	Power Supply (+1.8V)
174	EUR	—	Not Used
175	DVSS	—	Terminal Ground
176	LIMSW	O	LIMSW signal output to Optical pick-up
177	OCSW	I	SEN signal input from System Controller (IC509)/OCSW signal input
178	VCLK	—	Not Used
179	CKSW	I	CKSW signal input
180	IO3	—	Not Used
181	TSDM	O	TSDM signal output to Motor driver (IC201)
182	DVDD3	—	Power Supply (+3.3V)
183	MUTE	O	MUTE signal output to Motor driver (IC201)
184	MUTE123	O	MUTE signal output to Motor driver (IC201)
185	REW	O	REV signal output to Motor driver (IC201)
186	FWD	O	FWD signal output to Motor driver (IC201)
187	MSW	O	Volume control signal output to Optical pick-up
188	DSEL	O	Select signal output
189	DAVCC	—	Power Supply (+3.3V)
190	VREF	I	Bandgap reference voltage (not used)
191	FS	O	Full scale adjustment (pull down)
192	YUV0	—	Not Used
193	DVSS	—	Terminal Ground
194	YUV1	O	Y signal output to VIDEO AMP (IC201)
195	DAVDD	—	Power Supply (+3.3V)
196	YUV2	O	CHROMA signal output to VIDEO AMP (IC201)
197	DVSS	—	Terminal Ground
198	YUV3	O	VIDEO signal output to VIDEO AMP (IC201)
199	DAVDD	—	Power Supply (+3.3V)
200	YUV4	O	G signal output to VIDEO AMP (IC201)
201	DVSS	—	Terminal Ground
202	YUV5	O	B signal output to VIDEO AMP (IC201)
203	YUV6	O	R signal output to VIDEO AMP (IC201)
204	DVDD3	—	Power Supply (+3.3V)
205	MIC/VSYN	—	Not Used
206	VOICE/YUV7	—	Not Used
207	KRMOB/HSYN	—	Not Used
208	SMSCK	—	Not Used
209	SPDATA/SMSDI	I	Audio data of SPDIF input
210	SMSDO	—	Not Used
211	XSMCS	—	Not Used
212	DVDD3	—	Power Supply (+3.3V)
213	ALRCK	I	Audio left/right channel clock
214	ABCK	O	Audio bit clock
215	ACLK	I	Audio DAC master clock
216	DVSS	—	Terminal Ground
217	ASDATA0	O	Audio serial data
218	ASDATA1	O	Audio serial data

Pin No.	Pin Name	I/O	Description
219	ASDATA2	O	Audio serial data
220	XRST	—	Not Used
221	DVDD18	—	Power Supply (+1.8V)
222	ASDATA4	O	Audio serial data (not used)
223	DVSS	—	Terminal Ground
224	DWIDE	—	Not Used
225	SDPIF	—	SPDIF output (not used)
226	RFGND18	—	Terminal Ground
227	RFVDD18	—	Power Supply (+1.8V)
228	ZTALO	O	Oscillator output signal
229	ZTALI	I	Oscillator input signal
230	JITFO	O	RF jitter meter output
231	JITFN	I	Negative input of operation amplifier for RF jitter meter
232	PLLSS	—	Terminal Ground
233	IDAC	—	Not Used
234	PLLVD3	—	Power Supply (+3.3V)
235	LPFON	O	Negative output of loop filter amplifier
236	LPFIP	I	Positive input of loop filter amplifier
237	LPFIN	I	Negative input of loop filter amplifier
238	LPFOP	O	Positive output of loop filter amplifier
239	VDD3	I	Power Supply (+3.3V)
240	VCM	I	SACD-Common mode Reference
241	VSS	—	Terminal Ground
242	VREEP	I	SACD-TOP Reference
243	VREEN	I	SACD-Bottom Reference
244	RFVDD3	—	Power Supply (+3.3V)
245	RFRPDC	I	RFRP signal input
246	RFRPAC	I	RFRP signal input
247	HRFZC	I	High frequency RF ripple zero crossing
248	CRTPLP	O	Defect level filter capacitor connecting
249	RFGND	—	Terminal Ground
250	CEQP	O	EQ offset loop capacitance (not used)
251	CEQN	O	EQ offset loop capacitance (not used)
252	OSP	O	RF offset cancellation capacitor connecting
253	OSN	I	RF offset cancellation capacitor connecting
254	RFGC	O	RF offset loop capacitor connecting for DVD-ROM
255	IREF	I	Current reference input
256	AVDD3	—	Power Supply (+3.3V)

SECTION 6

EXPLODED VIEWS

NOTE:

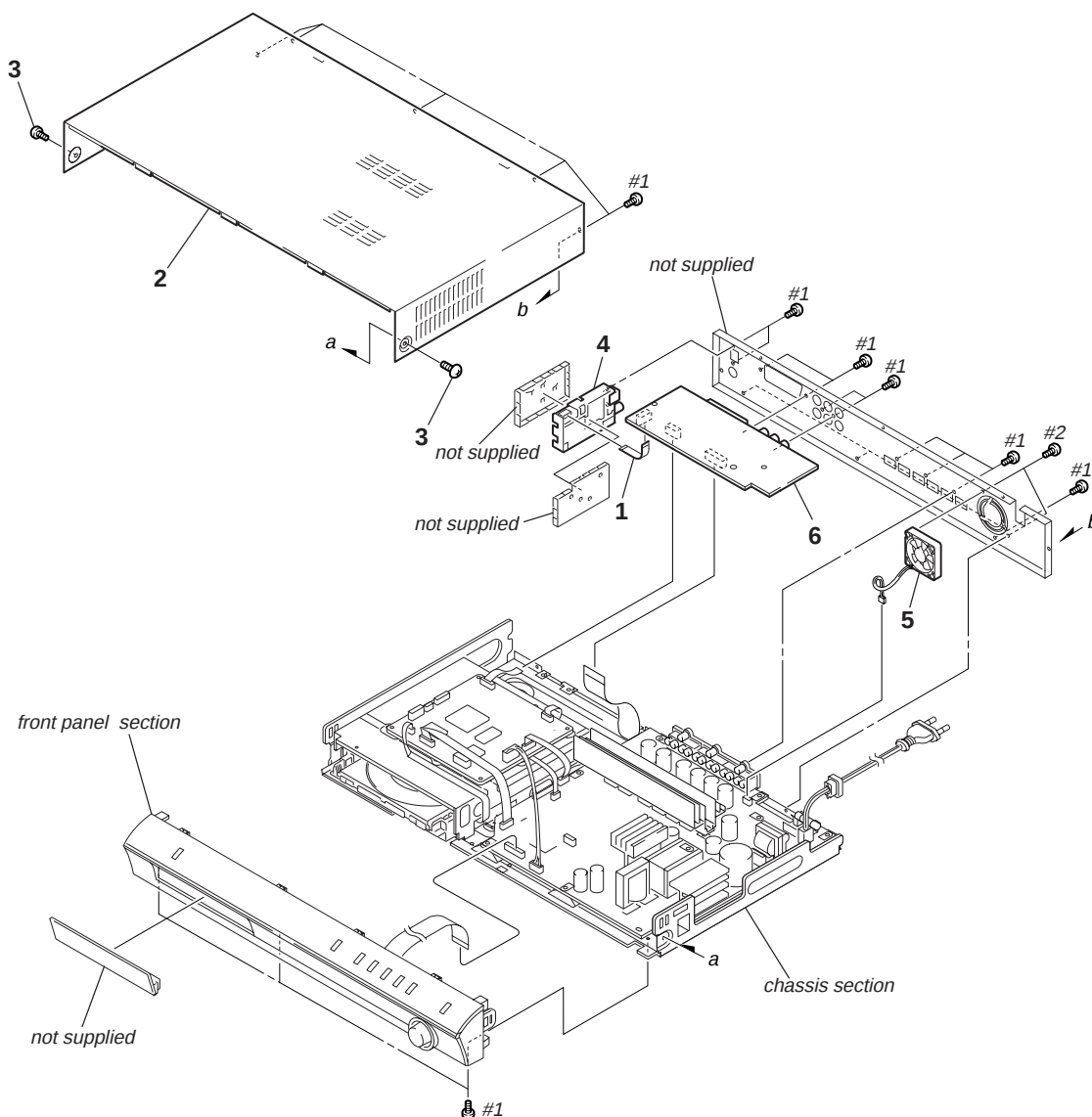
- XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
 AUS : Australian model
 CND : Canadian model
 E32 : 110-240V AC area in E model
 EA : Saudi Arabia model
 KR : Korean model
 MX : Mexican model
 RU : Russian model
 SP : Singapore model

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

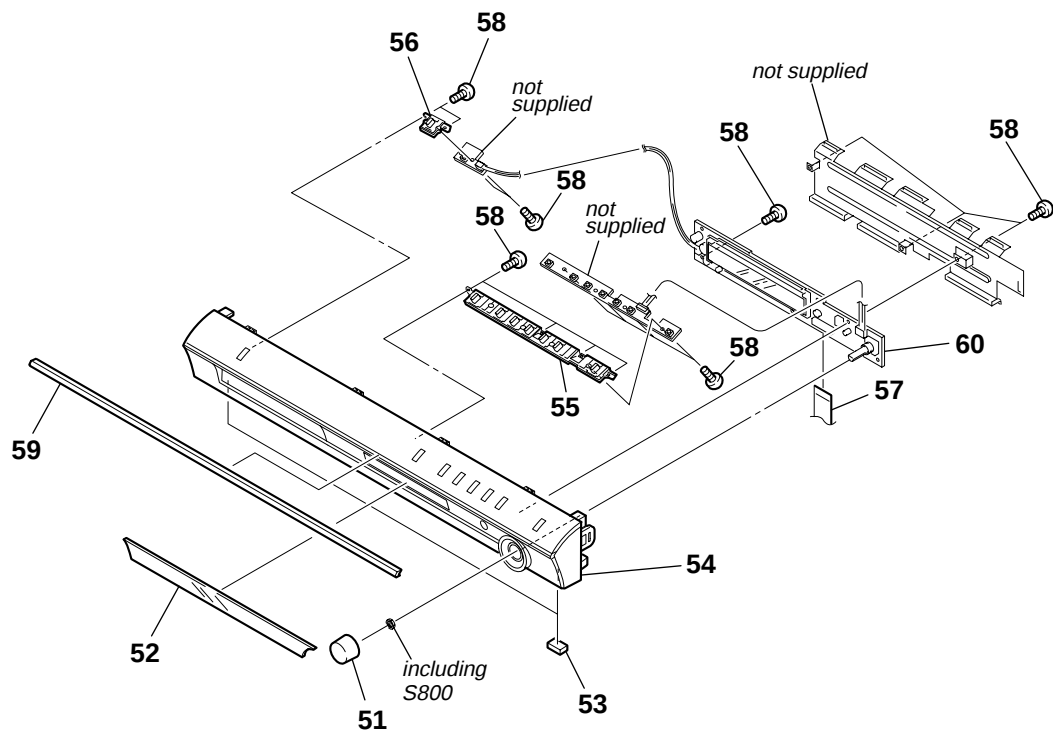
Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. OVERALL SECTION



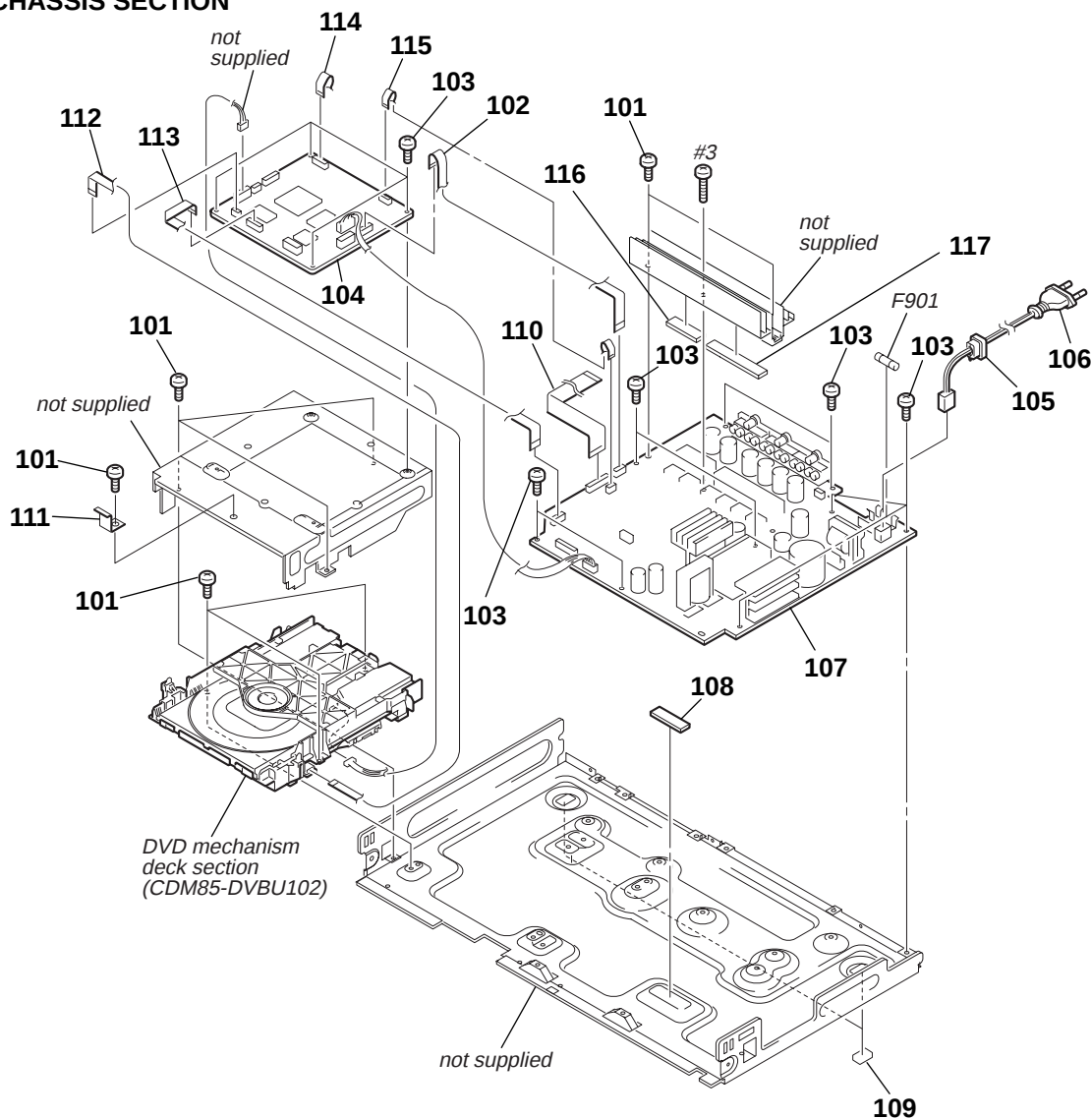
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	1-828-952-11	WIRE (FLAT TYPE) (9 CORE)(EXCEPT AEP, UK)		4	A-1074-641-A	TUNER UNIT (DTP-005) (EA, MX, SP, E32, AUS)	
1	1-828-962-11	WIRE (FLAT TYPE) (11 CORE) (AEP, UK)		4	A-1074-643-A	TUNER UNIT (DTP-005) (RU, KR)	
2	2-546-005-01	CASE		5	1-787-331-11	FAN, D.C.	
3	3-363-099-22	SCREW (CASE 3 TP2)		6	A-1107-216-A	I/O BOARD, COMPLETE (AEP, UK)	
3	3-363-099-51	SCREW (CASE 3 TP2) (US, AEP, UK, RU, KR)		6	A-1114-356-A	I/O BOARD, COMPLETE (RU)	
4	A-1074-634-A	TUNER UNIT (DTP-005) (AEP, UK)		6	A-1121-675-A	I/O BOARD, COMPLETE (EXCEPT AEP, UK, RU)	
4	A-1074-640-A	TUNER UNIT (DTP-005) (US, CND)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
				#2	7-685-881-09	SCREW +BVTT 4X8 (S)	

6-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	2-546-006-11	Knob (VOL)		54	2-588-950-31	PANEL, FRONT (US, CND)	
52	2-546-002-01	WINDOW (FL)		55	2-546-004-01	Button (PLAY)	
53	4-244-969-01	FOOT		56	2-546-003-01	Button (POWER)	
54	2-588-950-01	PANEL, FRONT (AEP, UK)		57	1-828-361-11	WIRE (FLAT TYPE) (19 CORE)	
54	2-588-950-11	PANEL, FRONT (RU)		58	3-087-053-01	+BVTP2.6 (3CR)	
54	2-588-950-21	PANEL, FRONT (EXCEPT US, CND, AEP, UK, RU)		59	2-546-015-11	PLATE, ORNAMENTAL	
				60	A-1106-681-A	FL BOARD, COMPLETE	

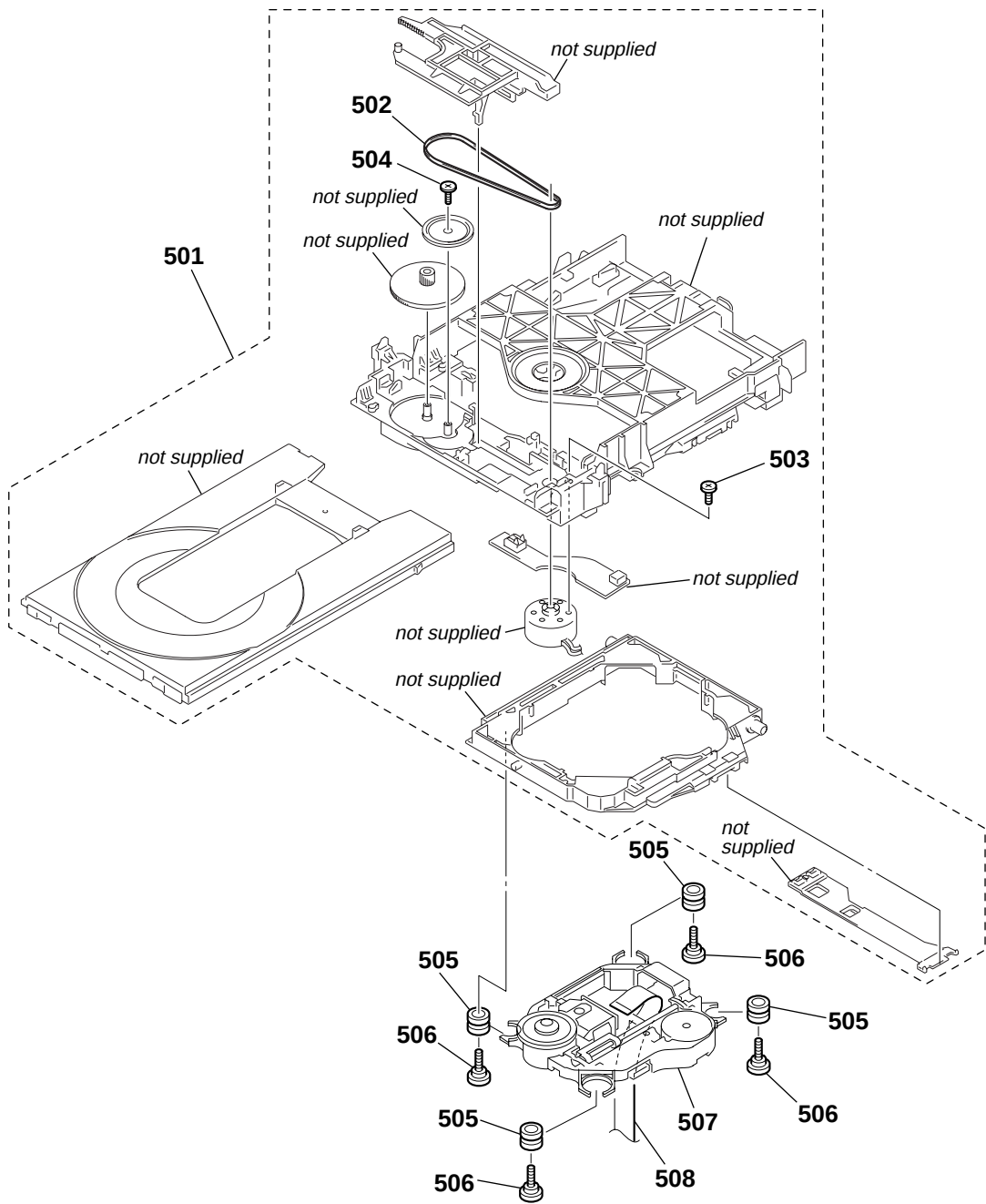
6-3. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	3-077-331-01	+BV3 (3-CR)		107	A-1121-879-A	MAIN BOARD, COMPLETE (KR)	
102	1-830-546-11	WIRE (FLAT TYPE) (11 CORE)		107	A-1121-899-A	MAIN BOARD, COMPLETE (E32)	
103	3-077-331-21	+BV3 (3-CR)		107	A-1121-919-A	MAIN BOARD, COMPLETE (MX)	
☆ 104	A-1106-686-A	DMB11 BOARD, COMPLETE (AEP, UK, RU)		107	A-1121-932-A	MAIN BOARD, COMPLETE (US, CND)	
☆ 104	A-1121-678-A	DMB11 BOARD, COMPLETE (EA, AUS)		108	4-254-954-01	SHEET (DMB), RADIATION	
☆ 104	A-1121-862-A	DMB11 BOARD, COMPLETE (SP)		109	4-244-969-01	FOOT	
☆ 104	A-1121-882-A	DMB11 BOARD, COMPLETE (KR)		110	1-830-464-11	WIRE (FLAT TYPE) (23 CORE)	
☆ 104	A-1121-906-A	DMB11 BOARD, COMPLETE	(US, CND, MX, E32)	111	3-233-819-01	BRACKET (PWB)	
105	3-703-244-00	BUSHING (2104), CORD		112	1-830-549-11	WIRE (FLAT TYPE) (5 CORE)	
△ 106	1-696-848-22	CORD, POWER (AUS)		113	1-830-545-11	WIRE (FLAT TYPE) (11 CORE)	
△ 106	1-769-079-41	CORD, POWER (KR)		114	1-830-548-11	WIRE (FLAT TYPE) (13 CORE)	
△ 106	1-775-789-31	CORD, POWER (MX)		115	1-830-547-11	WIRE (FLAT TYPE) (7 CORE)	
△ 106	1-777-071-83	CORD, POWER	(EXCEPT US, CND, MX, AUS, KR)	116	2-597-972-21	SHEET, RADIATION	
△ 106	1-783-531-12	CORD, POWER (CND)		117	2-597-972-11	SHEET, RADIATION	
△ 106	1-830-189-11	CORD, POWER (US)		△ F901	1-532-506-33	FUSE (T6.3AL/250V)	(EXCEPT US, CND, MX, E32)
107	A-1106-660-A	MAIN BOARD, COMPLETE (AEP, UK)		△ F901	1-532-749-11	FUSE, GLASS TUBE (T8AL/125V) (US)	
107	A-1107-580-A	MAIN BOARD, COMPLETE (RU)		△ F901	1-533-949-33	FUSE, CYLINDRICAL (T8AL/250V) (TIME LUG)	(E32)
107	A-1121-672-A	MAIN BOARD, COMPLETE (EA)		△ F901	1-576-537-12	FUSE, GLASS TUBE (DIA.5) (T8AL/125V)	(CND, MX)
107	A-1121-859-A	MAIN BOARD, COMPLETE (SP)		#3	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	
107	A-1121-871-A	MAIN BOARD, COMPLETE (AUS)					

☆ New part of EEP ROM (IC103) on the DMB11 board cannot be used. Therefore, if the mounted DMB11 board (A-1121-906-A, etc.) is replaced, exchange new EEP ROM (IC103) with that used before the replacement.

6-4. DVD MECHANISM DECK SECTION (CDM85-DVBU102)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
501	A-6071-669-A	LOADING ASSY (M)		506	3-087-599-01	INSULATOR SCREW	
502	3-088-371-01	BELT		△ 507	8-820-290-02	DEVICE, OPTICAL KHM-310CAA/C2RP	
503	4-974-725-11	SCREW (M1.7X2.5), P		508	1-830-687-51	WIRE (FLAT TYPE) (24 CORE)	
504	4-674-137-11	SCREW (PTP2X5)					
505	3-088-372-01	INSULATOR					

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.
- CAPACITORS
uF: μ F
- COILS
uH: μ H

- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- SEMICONDUCTORS
In each case, u: μ , for example:
uA. . : μ A. ., uPA. . : μ PA. .,
uPB. . : μ PB. ., uPC. . : μ PC. .,
uPD. . : μ PD. .
- Abbreviation
AUS : Australian model
CND : Canadian model
E32 : 110-240V AC area in E model
EA : Saudi Arabia model
KR : Korean model

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

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

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

MX : Mexican model
RU : Russian model
SP : Singapore model

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
☆	A-1106-686-A	DMB11 BOARD, COMPLETE (AEP, UK, RU)		C147	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V
☆	A-1121-678-A	DMB11 BOARD, COMPLETE (EA, AUS)		C148	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V
☆	A-1121-862-A	DMB11 BOARD, COMPLETE (SP)		C149	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
☆	A-1121-882-A	DMB11 BOARD, COMPLETE (KR)		C150	1-124-779-00	ELECT CHIP 10uF 20%	16V
☆	A-1121-906-A	DMB11 BOARD, COMPLETE					
		(US, CND, MX, E32)		C151	1-115-416-11	CERAMIC CHIP 0.001uF 5%	25V
		*****		C152	1-162-916-11	CERAMIC CHIP 12PF 5%	50V
		< CAPACITOR >		C153	1-162-916-11	CERAMIC CHIP 12PF 5%	50V
C101	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C154	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C102	1-125-837-91	CERAMIC CHIP 1uF 10%	6.3V	C155	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C105	1-126-205-11	ELECT CHIP 47uF 20%	6.3V	C156	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C106	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C158	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C108	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	C159	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C109	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	C160	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C112	1-126-205-11	ELECT CHIP 47uF 20%	6.3V	C161	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C113	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C162	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C114	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	C163	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C115	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	C164	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C116	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	C167	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C117	1-124-779-00	ELECT CHIP 10uF 20%	16V	C170	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C118	1-124-779-00	ELECT CHIP 10uF 20%	16V	C171	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C119	1-124-779-00	ELECT CHIP 10uF 20%	16V	C172	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C120	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	C173	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C121	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	C174	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C122	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	C175	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C123	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	C176	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C124	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	C177	1-126-205-11	ELECT CHIP 47uF 20%	6.3V
C125	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	C178	1-126-208-21	ELECT CHIP 47uF 20%	4V
C126	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	C179	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C127	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C180	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C128	1-162-965-11	CERAMIC CHIP 0.0015uF 10%	50V	C181	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C129	1-124-779-00	ELECT CHIP 10uF 20%	16V	C182	1-127-715-91	CERAMIC CHIP 0.22uF 10%	16V
C130	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	C184	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C131	1-125-838-11	CERAMIC CHIP 2.2uF 10%	6.3V	C187	1-126-208-21	ELECT CHIP 47uF 20%	4V
C132	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	C188	1-127-715-91	CERAMIC CHIP 0.22uF 10%	16V
C133	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	C189	1-128-934-91	CERAMIC CHIP 0.33uF 20%	10V
C135	1-164-677-11	CERAMIC CHIP 0.033uF 10%	16V	C190	1-126-205-11	ELECT CHIP 47uF 20%	6.3V
C136	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C191	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C137	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	C192	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C138	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	C193	1-127-715-91	CERAMIC CHIP 0.22uF 10%	16V
C139	1-162-919-11	CERAMIC CHIP 22PF 5%	50V	C195	1-127-715-91	CERAMIC CHIP 0.22uF 10%	16V
C140	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	C196	1-162-968-11	CERAMIC CHIP 0.0047uF 10%	50V
C144	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C203	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C146	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	C205	1-164-230-11	CERAMIC CHIP 220PF 5%	50V
				C206	1-164-230-11	CERAMIC CHIP 220PF 5%	50V

☆ New part of EEP ROM (IC103) on the DMB11 board cannot be used. Therefore, if the mounted DMB11 board (A-1121-906-A, etc.) is replaced, exchange new EEP ROM (IC103) with that used before the replacement.

HCD-DZ100

Ver. 1.3

DMB11

Ref. No.	Part No.	Description	Remark		
C208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C209	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C210	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C211	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C212	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C213	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C214	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C215	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C217	1-126-204-11	ELECT CHIP	47uF	20%	16V
C218	1-124-779-00	ELECT CHIP	10uF	20%	16V
C219	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C220	1-124-779-00	ELECT CHIP	10uF	20%	16V
C221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C223	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C224	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C225	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C226	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C233	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C402	1-126-204-11	ELECT CHIP	47uF	20%	16V
C403	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3601	1-117-370-11	CERAMIC CHIP	10uF		10V
C3602	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3603	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3605	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3606	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3607	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3608	1-124-779-00	ELECT CHIP	10uF	20%	16V
C3609	1-124-779-00	ELECT CHIP	10uF	20%	16V
C3610	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3611	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3621	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C4501	1-117-370-11	CERAMIC CHIP	10uF		10V
C4502	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C4504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
< CONNECTOR >					
CN101	1-815-763-32	CONNECTOR, FFC/FPC 24P			
* CN105	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
CN106	1-784-370-21	CONNECTOR, FFC/FPC 11P			
* CN201	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
CN202	1-784-365-21	CONNECTOR, FFC/FPC 5P			
CN301	1-793-989-21	CONNECTOR, FFC/FPC 13P			
CN302	1-784-366-21	CONNECTOR, FFC/FPC 7P			
CN401	1-779-993-11	PIN, CONNECTOR (PWB) 5P			
CN4501	1-784-370-21	CONNECTOR, FFC/FPC 11P			
< DIODE >					
D1001	8-719-058-24	DIODE RB501V-40TE-17			
D3501	8-719-988-61	DIODE 1SS355TE-17			
D3502	8-719-988-61	DIODE 1SS355TE-17			
D3601	8-719-988-61	DIODE 1SS355TE-17			
D3602	8-719-988-61	DIODE 1SS355TE-17			
< FERRITE BEAD >					
FB111	1-414-226-21	INDUCTOR, FERRITE BEAD			
FB112	1-414-226-21	INDUCTOR, FERRITE BEAD			
FB113	1-414-226-21	INDUCTOR, FERRITE BEAD			
FB114	1-414-226-21	INDUCTOR, FERRITE BEAD			

Ref. No.	Part No.	Description	Remark		
FB115	1-414-226-21	INDUCTOR, FERRITE BEAD			
FB401	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB402	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB403	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB404	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB405	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB406	1-469-324-21	FERRITE, EMI (SMD) (2012)			
< FILTER >					
FL101	1-234-494-21	FILTER, EMI REMOVAL (SMD)			
FL104	1-234-494-21	FILTER, EMI REMOVAL (SMD)			
FL105	1-234-494-21	FILTER, EMI REMOVAL (SMD)			
FL106	1-234-494-21	FILTER, EMI REMOVAL (SMD)			
FL107	1-234-494-21	FILTER, EMI REMOVAL (SMD)			
FL108	1-234-494-21	FILTER, EMI REMOVAL (SMD)			
FL401	1-234-494-21	FILTER, EMI REMOVAL (SMD)			
FL402	1-233-893-21	FILTER, CHIP EMI			
FL403	1-234-494-21	FILTER, EMI REMOVAL (SMD)			
FL4501	1-234-494-21	FILTER, EMI REMOVAL (SMD)			
< IC >					
IC101	6-805-270-01	IC MBM29DL32TF70-OBA2-0501UC			
		(CND, MX, E32)			
IC101	6-805-271-01	IC MBM29DL32TF70-OBA2-0501CE			
		(AEP, UK, RU, EA, AUS)			
IC101	6-805-272-01	IC MBM29DL32TF70-OBA2-0501GA (SP)			
IC101	6-805-750-01	IC MX29LV320ABTC65-OBA2-0503GA (KR)			
IC101	6-806-056-01	IC MR27V3202J-0L7TN (US)			
IC102	6-707-535-01	IC CXD9849R			
☆ IC103	not supplied	IC BR24L64F-WE2			
IC104	6-706-390-11	IC HY57V641620HGTP-HDR			
IC105	6-702-302-01	IC TK11133CSCS-L			
IC106	6-708-153-01	IC PQ018EN01ZPH			
IC107	6-702-302-01	IC TK11133CSCS-L			
IC201	6-704-524-01	IC FAN8036L			
IC3601	6-707-608-01	IC PCM1803DBR			
IC4501	8-759-573-97	IC SN74LVC541APWR			
IC4502	6-703-589-01	IC SN74LVC1G125DCKR			
< COIL >					
L3601	1-469-555-21	INDUCTOR	10uH		
L3602	1-469-555-21	INDUCTOR	10uH		
< TRANSISTOR >					
Q101	6-550-008-01	TRANSISTOR	UM6K1N-TN		
Q102	6-550-653-01	TRANSISTOR	QST8TR		
Q103	8-729-027-52	TRANSISTOR	RT1N241C-TP-1		
< RESISTOR >					
R101	1-216-809-11	METAL CHIP	100	5%	1/10W
R104	1-216-864-11	SHORT CHIP	0		
R105	1-216-833-11	METAL CHIP	10K	5%	1/10W
R106	1-216-833-11	METAL CHIP	10K	5%	1/10W
R107	1-216-833-11	METAL CHIP	10K	5%	1/10W
R108	1-216-857-11	METAL CHIP	1M	5%	1/10W
R109	1-216-864-11	SHORT CHIP	0		
R110	1-216-841-11	METAL CHIP	47K	5%	1/10W
R111	1-216-809-11	METAL CHIP	100	5%	1/10W
R112	1-211-977-11	METAL CHIP	22	0.5%	1/10W

☆ New part of EEP ROM (IC103) on the DMB11 board cannot be used. Therefore, if the mounted DMB11 board (A-1121-906-A, etc.) is replaced, exchange new EEP ROM (IC103) with that used before the replacement.

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark	
R113	1-211-977-11	METAL CHIP	22	0.5%	1/10W	R230	1-218-893-11	METAL CHIP	82K	0.5%	1/10W	
R114	1-216-845-11	METAL CHIP	100K	5%	1/10W	R231	1-218-875-11	METAL CHIP	15K	0.5%	1/10W	
R115	1-211-977-11	METAL CHIP	22	0.5%	1/10W							
R116	1-216-821-11	METAL CHIP	1K	5%	1/10W	R232	1-218-877-11	METAL CHIP	18K	0.5%	1/10W	
R117	1-216-841-11	METAL CHIP	47K	5%	1/10W	R233	1-218-883-11	METAL CHIP	33K	0.5%	1/10W	
						R234	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R118	1-216-801-11	METAL CHIP	22	5%	1/10W	R236	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R120	1-216-801-11	METAL CHIP	22	5%	1/10W	R237	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R121	1-216-801-11	METAL CHIP	22	5%	1/10W							
R123	1-216-864-11	SHORT CHIP	0			R238	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R124	1-216-841-11	METAL CHIP	47K	5%	1/10W	R239	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
						R243	1-216-809-11	METAL CHIP	100	5%	1/10W	
R126	1-216-864-11	SHORT CHIP	0			R246	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R127	1-216-809-11	METAL CHIP	100	5%	1/10W	R247	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R136	1-216-835-11	METAL CHIP	15K	5%	1/10W							
R138	1-216-845-11	METAL CHIP	100K	5%	1/10W	R308	1-216-809-11	METAL CHIP	100	5%	1/10W	
R141	1-218-916-11	METAL CHIP	750K	5%	1/10W						(AEP, UK, RU)	
						R1101	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R142	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1102	1-218-827-11	METAL CHIP	150	0.5%	1/10W	
R143	1-216-809-11	METAL CHIP	100	5%	1/10W	R1103	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R144	1-216-864-11	SHORT CHIP	0			R1104	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R146	1-216-805-11	METAL CHIP	47	5%	1/10W							
R151	1-216-805-11	METAL CHIP	47	5%	1/10W	R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W	
						R1108	1-216-864-11	SHORT CHIP	0			
R152	1-216-864-11	SHORT CHIP	0			R1109	1-216-864-11	SHORT CHIP	0			
R153	1-216-805-11	METAL CHIP	47	5%	1/10W	R1110	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	
R155	1-216-805-11	METAL CHIP	47	5%	1/10W	R1111	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)			
R160	1-216-805-11	METAL CHIP	47	5%	1/10W							
R161	1-216-809-11	METAL CHIP	100	5%	1/10W	R1120	1-500-284-21	INDUCTOR, FERRITE BEAD				
						R1121	1-500-284-21	INDUCTOR, FERRITE BEAD				
R164	1-216-809-11	METAL CHIP	100	5%	1/10W	R1122	1-500-284-21	INDUCTOR, FERRITE BEAD				
R169	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1123	1-500-284-21	INDUCTOR, FERRITE BEAD				
R187	1-216-864-11	SHORT CHIP	0			R1124	1-500-284-21	INDUCTOR, FERRITE BEAD				
R189	1-218-827-11	METAL CHIP	150	0.5%	1/10W							
R190	1-218-827-11	METAL CHIP	150	0.5%	1/10W	R1125	1-500-284-21	INDUCTOR, FERRITE BEAD				
						R1129	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R191	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1133	1-216-864-11	SHORT CHIP	0			
R192	1-218-827-11	METAL CHIP	150	0.5%	1/10W	R1134	1-216-864-11	SHORT CHIP	0			
R193	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1150	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R195	1-218-827-11	METAL CHIP	150	0.5%	1/10W							
R196	1-216-864-11	SHORT CHIP	0			R1151	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
						R1152	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R197	1-218-827-11	METAL CHIP	150	0.5%	1/10W	R1168	1-216-817-11	METAL CHIP	470	5%	1/10W	
R204	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R1502	1-216-864-11	SHORT CHIP	0			
R205	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1504	1-400-244-11	BEAD, FERRITE (CHIP) (1608)				
R206	1-216-833-11	METAL CHIP	10K	5%	1/10W							
R207	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R1527	1-216-864-11	SHORT CHIP	0			
						R1530	1-216-864-11	SHORT CHIP	0			
R208	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1531	1-216-864-11	SHORT CHIP	0			
R209	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1540	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R210	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1542	1-216-864-11	SHORT CHIP	0			
R212	1-216-833-11	METAL CHIP	10K	5%	1/10W							
R213	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	R1543	1-216-833-11	METAL CHIP	10K	5%	1/10W	
						R1545	1-216-864-11	SHORT CHIP	0			
R214	1-216-835-11	METAL CHIP	15K	5%	1/10W	R1546	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R215	1-216-834-11	METAL CHIP	12K	5%	1/10W	R1547	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R216	1-216-834-11	METAL CHIP	12K	5%	1/10W	R1548	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R219	1-216-838-11	METAL CHIP	27K	5%	1/10W							
R220	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1549	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
						R1550	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R221	1-218-889-11	METAL CHIP	56K	0.5%	1/10W	R1551	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R222	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1553	1-216-864-11	SHORT CHIP	0			
R223	1-218-895-11	METAL CHIP	100K	0.5%	1/10W	R1554	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R224	1-216-833-11	METAL CHIP	10K	5%	1/10W							
R225	1-218-895-11	METAL CHIP	100K	0.5%	1/10W	R1555	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
											(AEP, UK, RU)	
R226	1-218-889-11	METAL CHIP	56K	0.5%	1/10W	R1557	1-216-809-11	METAL CHIP	100	5%	1/10W	
R227	1-216-864-11	SHORT CHIP	0			R2505	1-216-864-11	SHORT CHIP	0			
R228	1-216-864-11	SHORT CHIP	0			R3601	1-216-809-11	METAL CHIP	100	5%	1/10W	

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DMB11 FL

Ref. No.	Part No.	Description	Remark		
R3602	1-216-809-11	METAL CHIP	100	5%	1/10W
R3603	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3605	1-216-864-11	SHORT CHIP	0		
R3606	1-216-864-11	SHORT CHIP	0		
R3607	1-216-864-11	SHORT CHIP	0		
R3609	1-216-864-11	SHORT CHIP	0		
R3611	1-216-809-11	METAL CHIP	100	5%	1/10W
R3621	1-216-809-11	METAL CHIP	100	5%	1/10W
R4501	1-216-864-11	SHORT CHIP	0		
R4502	1-216-864-11	SHORT CHIP	0		
R4510	1-216-805-11	METAL CHIP	47	5%	1/10W
R4511	1-216-809-11	METAL CHIP	100	5%	1/10W
R4512	1-400-244-11	BEAD, FERRITE (CHIP) (1608)			
R4513	1-216-864-11	SHORT CHIP	0		
R4514	1-216-864-11	SHORT CHIP	0		
R4515	1-216-864-11	SHORT CHIP	0		
R4516	1-216-864-11	SHORT CHIP	0		
R4518	1-216-864-11	SHORT CHIP	0		
R4520	1-216-864-11	SHORT CHIP	0		
R4701	1-216-864-11	SHORT CHIP	0		
R4702	1-216-864-11	SHORT CHIP	0		
R4703	1-216-864-11	SHORT CHIP	0		
R4704	1-216-864-11	SHORT CHIP	0		
R4705	1-216-864-11	SHORT CHIP	0		
R4706	1-216-864-11	SHORT CHIP	0		
< COMPOSITION CIRCUIT BLOCK >					
RB103	1-234-795-21	RES, NETWORK 0X4 (2010)			
RB104	1-234-795-21	RES, NETWORK 0X4 (2010)			
RB105	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB106	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB107	1-234-370-21	RES, NETWORK	22 (1005X4)		
RB108	1-234-370-21	RES, NETWORK	22 (1005X4)		
RB111	1-234-795-21	RES, NETWORK 0X4 (2010)			
RB112	1-234-370-21	RES, NETWORK	22 (1005X4)		
RB113	1-234-370-21	RES, NETWORK	22 (1005X4)		
< VIBRATOR >					
X101	1-781-867-21	VIBRATOR, CRYSTAL 27MHz			

A-1106-681-A		FL BOARD, COMPLETE			

< CAPACITOR >					
C800	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C801	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V
C802	1-119-943-91	ELECT	47uF	20%	50V
C803	1-124-584-00	ELECT	100uF	20%	10V
C804	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C805	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C806	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C807	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C808	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C809	1-126-795-11	ELECT	10uF	20%	50V
C810	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C811	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C812	1-162-960-11	CERAMIC CHIP	220PF	10%	50V

Ref. No.	Part No.	Description	Remark		
C813	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C814	1-126-795-11	ELECT	10uF	20%	50V
C815	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C816	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C817	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C818	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C819	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C820	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C821	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C822	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C823	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C824	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C825	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C826	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
< CONNECTOR >					
CN801	1-779-556-21	CONNECTOR, FFC (LIF (NON-ZIF)) 19P			
* CN805	1-568-942-11	PIN, CONNECTOR 4P			
< DIODE >					
D801	8-719-988-61	DIODE 1SS355TE-17			
D802	8-719-988-61	DIODE 1SS355TE-17			
D803	8-719-069-56	DIODE UDZSTE-176.2B			
D804	8-719-988-61	DIODE 1SS355TE-17			
D805	8-719-988-61	DIODE 1SS355TE-17			
< FERRITE BEAD >					
FB806	1-414-813-11	FERRITE, EMI (SMD) (2012)			
< FLUORESCENT INDICATOR >					
FL801	1-519-792-11	INDICATOR TUBE, FLUORESCENT			
< IC >					
IC801	6-600-349-21	IC NJL23H400A (R)			
IC802	8-759-643-83	IC PT6315			
< COIL >					
L801	1-410-671-31	INDUCTOR	47uH		
L802	1-410-671-31	INDUCTOR	47uH		
< TRANSISTOR >					
Q801	6-550-065-01	TRANSISTOR	CPH5504-TL-E		
Q802	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF		
< RESISTOR >					
R800	1-216-821-11	METAL CHIP	1K	5%	1/10W
R801	1-216-839-11	METAL CHIP	33K	5%	1/10W
R802	1-216-809-11	METAL CHIP	100	5%	1/10W
R804	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R805	1-216-295-91	SHORT CHIP	0		
R810	1-216-864-11	SHORT CHIP	0		
R811	1-216-844-11	METAL CHIP	82K	5%	1/10W
R812	1-216-845-11	METAL CHIP	100K	5%	1/10W
R813	1-216-845-11	METAL CHIP	100K	5%	1/10W
R814	1-216-809-11	METAL CHIP	100	5%	1/10W
R815	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R816	1-216-809-11	METAL CHIP	100	5%	1/10W	C227	1-126-916-11	ELECT	1000uF	20%	6.3V
R817	1-216-821-11	METAL CHIP	1K	5%	1/10W						(AEP, UK, RU)
R819	1-216-805-11	METAL CHIP	47	5%	1/10W	C227	1-126-933-11	ELECT	100uF	20%	16V
R820	1-216-845-11	METAL CHIP	100K	5%	1/10W						(EXCEPT AEP, UK, RU)
< SWITCH >						C228	1-126-916-11	ELECT	1000uF	20%	6.3V
R821	1-216-864-11	SHORT CHIP	0								(AEP, UK, RU)
R822	1-216-864-11	SHORT CHIP	0			C228	1-126-933-11	ELECT	100uF	20%	16V
< TRANSFORMER >											(EXCEPT AEP, UK, RU)
S800	1-418-632-11	ENCODER, ROTARY (VOLUME)				C242	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
< CAPACITOR >											(EXCEPT AEP, UK, RU)
T801	1-443-645-11	TRANSFORMER, DC CONVERTER				C603	1-126-933-11	ELECT	100uF	20%	16V
*****						C604	1-164-156-11	CERAMIC CHIP	0.1uF		25V
A-1107-216-A	I/O BOARD, COMPLETE (AEP, UK)					C606	1-164-156-11	CERAMIC CHIP	0.1uF		25V
A-1114-356-A	I/O BOARD, COMPLETE (RU)					C607	1-104-662-91	ELECT	22uF	20%	25V
A-1121-675-A	I/O BOARD, COMPLETE (EXCEPT AEP, UK, RU)					C608	1-126-933-11	ELECT	100uF	20%	16V
*****						C609	1-164-156-11	CERAMIC CHIP	0.1uF		25V
< CAPACITOR >						C610	1-104-662-91	ELECT	22uF	20%	25V
C102	1-126-933-11	ELECT	100uF	20%	16V	C611	1-104-662-91	ELECT	22uF	20%	25V
C103	1-104-662-91	ELECT	22uF	20%	25V						(EXCEPT AEP, UK, RU)
C104	1-104-662-91	ELECT	22uF	20%	25V	C612	1-104-662-91	ELECT	22uF	20%	25V
C109	1-164-156-11	CERAMIC CHIP	0.1uF		25V						(EXCEPT AEP, UK, RU)
C200	1-216-864-11	SHORT CHIP	0	(EXCEPT AEP, UK, RU)		C624	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C201	1-126-964-11	ELECT	10uF	20%	50V						(EXCEPT AEP, UK, RU)
C202	1-115-156-11	CERAMIC CHIP	1uF		10V	C625	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C203	1-115-156-11	CERAMIC CHIP	1uF		10V						(EXCEPT AEP, UK, RU)
C204	1-115-156-11	CERAMIC CHIP	1uF		10V	C626	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C205	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						(EXCEPT AEP, UK, RU)
(EXCEPT AEP, UK, RU)						< CONNECTOR >					
C206	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	CN101	1-568-828-11	CONNECTOR, FFC 9P (EXCEPT AEP, UK)			
				(AEP, UK, RU)	CN101	1-816-955-11	CONNECTOR, FFC/FPC 11P (AEP, UK)				
C207	1-126-964-11	ELECT	10uF	20%	50V	CN201	1-779-281-11	CONNECTOR, FFC (LIF (NON-ZIF)) 13P			
				(EXCEPT AEP, UK, RU)	CN601	1-779-291-11	CONNECTOR, FFC (LIF (NON-ZIF)) 23P				
C208	1-164-156-11	CERAMIC CHIP	0.1uF		25V	< DIODE >					
				(EXCEPT AEP, UK, RU)							
C209	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D200	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
C210	1-126-925-91	ELECT	470uF	20%	10V	D206	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
C211	1-126-933-11	ELECT	100uF	20%	16V	< IC >					
				(AEP, UK, RU)	IC201	6-705-602-01	IC MM1623BFBE				
C212	1-162-921-11	CERAMIC CHIP	33PF	5%	50V	IC602	8-759-385-76	IC MC14052 BDR2			
C213	1-126-933-11	ELECT	100uF	20%	16V	IC603	8-759-649-89	IC MC4558CD			
C214	1-164-156-11	CERAMIC CHIP	0.1uF		25V	< JACK >					
C215	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	J200	1-764-593-21	JACK 2P (SAT) (EXCEPT AEP, UK, RU)			
				(AEP, UK, RU)	J201	1-780-211-11	TERMINAL BOARD (S TERMINAL+1P)				
C216	1-162-960-11	CERAMIC CHIP	220PF	10%	50V						(MONITOR OUT)
				(AEP, UK, RU)							(EXCEPT AEP, UK, RU)
C217	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	J202	1-817-449-11	JACK, PIN 3P (COMPONENT VIDEO OUT)			
				(AEP, UK, RU)							(EXCEPT AEP, UK, RU)
C218	1-104-662-91	ELECT	22uF	20%	25V	J203	1-815-911-11	CONNECTOR, SQUARE TYPE 21P (EURO AV)			
C219	1-104-662-91	ELECT	22uF	20%	25V						(AEP, UK, RU)
				(AEP, UK, RU)	< COIL >						
C223	1-164-156-11	CERAMIC CHIP	0.1uF		25V	L101	1-469-525-91	INDUCTOR	10uH		
				(EXCEPT AEP, UK, RU)	L201	1-469-525-91	INDUCTOR	10uH			
C224	1-126-916-11	ELECT	1000uF	20%	6.3V	L602	1-469-525-91	INDUCTOR	10uH		
				(EXCEPT AEP, UK, RU)							
C225	1-126-916-11	ELECT	1000uF	20%	6.3V						
C226	1-126-916-11	ELECT	1000uF	20%	6.3V						

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I/O

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
< TRANSISTOR >						R228	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP, UK, RU)
Q204	1-801-806-11	TRANSISTOR	RT1N441C-TP-1	(AEP, UK, RU)		R229	1-218-285-11	METAL CHIP	75	5%	1/10W (EXCEPT AEP, UK, RU)
Q205	8-729-027-23	TRANSISTOR	RT1P141C-TP-1	(AEP, UK, RU)		R230	1-218-285-11	METAL CHIP	75	5%	1/10W
Q206	1-801-806-11	TRANSISTOR	RT1N441C-TP-1	(AEP, UK, RU)		R231	1-218-285-11	METAL CHIP	75	5%	1/10W
Q207	8-729-027-23	TRANSISTOR	RT1P141C-TP-1	(AEP, UK, RU)		R232	1-218-285-11	METAL CHIP	75	5%	1/10W
Q208	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	(AEP, UK, RU)		R233	1-218-285-11	METAL CHIP	75	5%	1/10W
Q210	1-801-806-11	TRANSISTOR	RT1N441C-TP-1	(AEP, UK, RU)		R240	1-216-815-11	METAL CHIP	330	5%	1/10W (AEP, UK, RU)
Q603	8-729-027-52	TRANSISTOR	RT1N241C-TP-1	(AEP, UK, RU)		R241	1-218-285-11	METAL CHIP	75	5%	1/10W (EXCEPT AEP, UK, RU)
Q604	8-729-027-52	TRANSISTOR	RT1N241C-TP-1	(AEP, UK, RU)		R242	1-216-815-11	METAL CHIP	330	5%	1/10W (AEP, UK, RU)
< RESISTOR >						R243	1-216-815-11	METAL CHIP	330	5%	1/10W (AEP, UK, RU)
R105	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK)	R244	1-216-815-11	METAL CHIP	330	5%	1/10W (AEP, UK, RU)
R105	1-216-845-11	METAL CHIP	100K	5%	1/10W (EXCEPT AEP, UK)	R246	1-216-837-11	METAL CHIP	22K	5%	1/10W (AEP, UK, RU)
R106	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK, RU)	R247	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (AEP, UK, RU)
R107	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK, RU)	R249	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R115	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK)	R250	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (AEP, UK, RU)
R115	1-216-845-11	METAL CHIP	100K	5%	1/10W (EXCEPT AEP, UK)	R252	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (AEP, UK, RU)
R116	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK)	R261	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, RU)
R116	1-216-845-11	METAL CHIP	100K	5%	1/10W (EXCEPT AEP, UK)	R263	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP, UK, RU)
R117	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK)	R264	1-216-849-11	METAL CHIP	220K	5%	1/10W (AEP, UK, RU)
R117	1-216-845-11	METAL CHIP	100K	5%	1/10W (EXCEPT AEP, UK)	R265	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK, RU)
R202	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)	R289	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R204	1-216-821-11	METAL CHIP	1K	5%	1/10W	R608	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK, RU)
R207	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)			R609	1-216-817-11	METAL CHIP	470	5%	1/10W
R209	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)			R610	1-216-817-11	METAL CHIP	470	5%	1/10W
R210	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, RU)	R611	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R211	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, RU)	R612	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R212	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)			R613	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R213	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)	R614	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R215	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, RU)	R615	1-216-841-11	METAL CHIP	47K	5%	1/10W
R216	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, RU)	R616	1-216-841-11	METAL CHIP	47K	5%	1/10W
R219	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK, RU)	R617	1-216-821-11	METAL CHIP	1K	5%	1/10W
R220	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK, RU)	R618	1-216-833-11	METAL CHIP	10K	5%	1/10W
R224	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK, RU)	R619	1-216-821-11	METAL CHIP	1K	5%	1/10W
R225	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK, RU)	R620	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R624	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK, RU)
						R627	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK, RU)
						R628	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK, RU)
						R635	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK, RU)

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R650	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	C131	1-164-156-11	CERAMIC CHIP	0.1uF		25V
					(EXCEPT AEP, UK, RU)	C132	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R651	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	C133	1-164-156-11	CERAMIC CHIP	0.1uF		25V
					(EXCEPT AEP, UK, RU)						
R654	1-216-841-11	METAL CHIP	47K	5%	1/10W	C134	1-164-156-11	CERAMIC CHIP	0.1uF		25V
					(EXCEPT AEP, UK, RU)	C135	1-164-156-11	CERAMIC CHIP	0.1uF		25V
*****						C136	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C141	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C142	1-164-156-11	CERAMIC CHIP	0.1uF		25V
KEY BOARD						C143	1-164-156-11	CERAMIC CHIP	0.1uF		25V
*****						C144	1-164-156-11	CERAMIC CHIP	0.1uF		25V
< RESISTOR >						C145	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R851	1-216-821-11	METAL CHIP	1K	5%	1/10W	C146	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R852	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C151	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
R853	1-216-825-11	METAL CHIP	2.2K	5%	1/10W						
R854	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C152	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
R855	1-216-821-11	METAL CHIP	1K	5%	1/10W	C153	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
						C154	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
R856	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C155	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
R857	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C156	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
< SWITCH >						C161	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
S802	1-762-875-21	SWITCH, KEYBOARD (▶)				C162	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
S803	1-762-875-21	SWITCH, KEYBOARD (◀▶)				C163	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
S804	1-762-875-21	SWITCH, KEYBOARD (■)				C164	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
S805	1-762-875-21	SWITCH, KEYBOARD (■)				C165	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
S806	1-762-875-21	SWITCH, KEYBOARD (▶▶)									
						C166	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
S807	1-762-875-21	SWITCH, KEYBOARD (FUNCTION)				C171	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
S808	1-762-875-21	SWITCH, KEYBOARD (≡)				C172	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
*****						C173	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
						C174	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
A-1106-660-A	MAIN BOARD, COMPLETE (AEP, UK)					C175	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
A-1107-580-A	MAIN BOARD, COMPLETE (RU)					C176	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
A-1121-672-A	MAIN BOARD, COMPLETE (EA)					C181	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
A-1121-859-A	MAIN BOARD, COMPLETE (SP)					C182	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
A-1121-871-A	MAIN BOARD, COMPLETE (AUS)					C183	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
A-1121-879-A	MAIN BOARD, COMPLETE (KR)					C184	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
A-1121-899-A	MAIN BOARD, COMPLETE (E32)					C185	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
A-1121-919-A	MAIN BOARD, COMPLETE (MX)					C186	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
A-1121-932-A	MAIN BOARD, COMPLETE (US, CND)					C188	1-164-156-11	CERAMIC CHIP	0.1uF		25V
*****						C189	1-164-156-11	CERAMIC CHIP	0.1uF		25V
7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3					C190	1-164-156-11	CERAMIC CHIP	0.1uF		25V
< CAPACITOR >						C191	1-107-898-11	ELECT	2200uF	20%	35V
C101	1-164-346-11	CERAMIC CHIP	1uF		16V	C192	1-107-898-11	ELECT	2200uF	20%	35V
C102	1-164-346-11	CERAMIC CHIP	1uF		16V	C193	1-107-898-11	ELECT	2200uF	20%	35V
C103	1-164-346-11	CERAMIC CHIP	1uF		16V	C194	1-107-898-11	ELECT	2200uF	20%	35V
C104	1-164-346-11	CERAMIC CHIP	1uF		16V						
C105	1-164-346-11	CERAMIC CHIP	1uF		16V	C195	1-107-898-11	ELECT	2200uF	20%	35V
						C196	1-107-898-11	ELECT	2200uF	20%	35V
C106	1-164-346-11	CERAMIC CHIP	1uF		16V	C198	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C108	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C199	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C109	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C200	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C110	1-163-205-00	CERAMIC CHIP	0.001uF	10%	50V						
C111	1-164-346-11	CERAMIC CHIP	1uF		16V	C201	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
						C202	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C112	1-164-346-11	CERAMIC CHIP	1uF		16V	C203	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C113	1-164-346-11	CERAMIC CHIP	1uF		16V	C204	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C114	1-164-346-11	CERAMIC CHIP	1uF		16V	C205	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C115	1-164-346-11	CERAMIC CHIP	1uF		16V						
C116	1-164-346-11	CERAMIC CHIP	1uF		16V	C206	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
						C207	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C119	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C208	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C120	1-126-947-11	ELECT	47uF	20%	10V	C209	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
						C210	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V

HCD-DZ100

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C211	1-136-177-00	FILM	1uF	5%	50V	C308	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C212	1-136-177-00	FILM	1uF	5%	50V	C309	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C213	1-136-177-00	FILM	1uF	5%	50V						
C214	1-136-177-00	FILM	1uF	5%	50V	C310	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C215	1-136-177-00	FILM	1uF	5%	50V	C311	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C312	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C216	1-136-177-00	FILM	1uF	5%	50V	C313	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C221	1-136-177-00	FILM	1uF	5%	50V	C314	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C222	1-136-177-00	FILM	1uF	5%	50V						
C223	1-136-177-00	FILM	1uF	5%	50V	C315	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C224	1-136-177-00	FILM	1uF	5%	50V	C316	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C317	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C225	1-136-177-00	FILM	1uF	5%	50V	C318	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C226	1-136-177-00	FILM	1uF	5%	50V	C319	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C248	1-126-947-11	ELECT	47uF	20%	16V						
C251	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C320	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C252	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C321	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C322	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C253	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C323	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C254	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C324	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C255	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V						
C256	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C325	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C261	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C326	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C327	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C262	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C328	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C263	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C329	1-126-947-11	ELECT	47uF	20%	16V
C264	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V						
C265	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C332	1-126-947-11	ELECT	47uF	20%	16V
C266	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C335	1-126-947-11	ELECT	47uF	20%	16V
						C350	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C268	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	C366	1-126-934-11	ELECT	220uF	20%	16V
C269	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	C367	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C271	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V						
C272	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V	C368	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C275	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	C371	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
						C372	1-126-960-11	ELECT	1uF	20%	50V
C276	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	C374	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C277	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	C375	1-126-933-11	ELECT	100uF	20%	16V
C278	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V						
C279	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	C377	1-126-964-11	ELECT	10uF	20%	50V
C280	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	C380	1-126-923-91	ELECT	220uF	20%	10V
						C381	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C281	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C382	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C282	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C383	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C283	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V						
C284	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C384	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C285	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C385	1-164-505-11	CERAMIC CHIP	2.2uF		16V
						C391	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C286	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C392	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C287	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C393	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C288	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V						
C289	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C394	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C290	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C395	1-164-505-11	CERAMIC CHIP	2.2uF		16V
						C396	1-117-370-11	CERAMIC CHIP	10uF		10V
C291	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C402	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C292	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C403	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C296	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V						
C297	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	C404	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C298	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	C405	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
						C406	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C299	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	C501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C301	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C302	1-164-156-11	CERAMIC CHIP	0.1uF		25V						
C303	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C304	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C547	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
						C548	1-216-864-11	SHORT CHIP	0		
C305	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C570	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C306	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C571	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C307	1-126-933-11	ELECT	100uF	20%	16V						

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C572	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	△C925	1-107-974-81	CERAMIC	47PF 5% 2KV
C580	1-126-916-11	ELECT	1000uF 20% 6.3V	△C928	1-113-896-11	CERAMIC	220PF 10% 250V
C582	1-104-658-91	ELECT	100uF 20% 10V	△C929	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V
C583	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V	C931	1-136-203-11	FILM	10000PF 5% 630V (EXCEPT US, CND, MX, KR)
C587	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V	C931	1-117-580-91	FILM	47000PF 5% 630V (US, CND, MX)
C589	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C932	1-100-924-21	ELECT	2200uF 20% 35V
C595	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C933	1-100-924-21	ELECT	2200uF 20% 35V
C596	1-126-947-11	ELECT	47uF 20% 16V	C934	1-107-898-11	ELECT	2200uF 20% 35V
C597	1-165-112-11	CERAMIC CHIP	0.33uF 16V	C935	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C598	1-165-112-11	CERAMIC CHIP	0.33uF 16V	C936	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C601	1-126-947-11	ELECT	47uF 20% 16V	C937	1-100-756-91	CERAMIC CHIP	0.047uF 50V
C602	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	△C938	1-113-898-11	CERAMIC	330PF 10% 250V (US, CND, MX)
C603	1-104-658-91	ELECT	100uF 20% 10V	△C938	1-117-698-51	CERAMIC	680PF 10% 250V (EXCEPT US, CND, MX)
C608	1-162-953-11	CERAMIC CHIP	100PF 5% 50V	C939	1-136-165-00	FILM	0.1uF 5% 50V
C712	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C940	1-128-947-31	ELECT	3300uF 20% 10V
C716	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C941	1-128-954-21	ELECT	1000uF 20% 25V
C762	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C942	1-104-666-11	ELECT	220uF 20% 25V
C798	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C943	1-126-933-11	ELECT	100uF 20% 16V
C799	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C944	1-128-951-21	ELECT	2200uF 20% 16V
C856	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C945	1-126-935-11	ELECT	470uF 20% 16V
C875	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C946	1-128-950-21	ELECT	1000uF 20% 16V
△C901	1-165-529-11	MYLAR	0.22uF 10 275V	C947	1-104-658-91	ELECT	100uF 20% 10V
△C902	1-165-529-11	MYLAR	0.22uF 10 275V	C948	1-126-925-91	ELECT	470uF 20% 10V
△C903	1-112-330-11	ELECT (BLOCK)	1000uF 20% 200V (US, CND)	C949	1-165-722-31	ELECT	100uF 20% 10V
△C903	1-112-331-11	ELECT (BLOCK)	1000uF 20% 250V (MX)	C951	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
△C903	1-112-332-11	ELECT (BLOCK)	330uF 20% 400V (AEP, UK, KR)	C952	1-100-756-91	CERAMIC CHIP	0.047uF 50V
△C903	1-112-333-11	ELECT (BLOCK)	330uF 20% 450V (RU, EA, SP, E32, AUS)	C953	1-117-214-11	CERAMIC	0.001uF 10% 2KV
△C905	1-112-334-91	FILM	0.01uF 5% 400V (US, CND, MX)	C954	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
△C905	1-112-335-91	FILM	0.0033uF 5% 400V (EXCEPT US, CND, MX)	C955	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
△C906	1-112-473-11	CERAMIC	0.0015uF 10% 500V (CND, MX)	C958	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
△C906	1-117-631-11	FILM	3300PF 3% 1.2KV (US)	C960	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
△C906	1-117-815-11	FILM	1000PF 3% 1.5KV (EXCEPT US, CND, MX)	△C963	1-117-698-51	CERAMIC	680PF 10% 250V (US, CND, MX)
△C907	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V (EXCEPT US, CND, MX)	△C963	1-117-699-11	CERAMIC	0.001uF 99% 250V (EXCEPT US, CND, MX)
△C907	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V (US, CND, MX)	△C964	1-117-698-51	CERAMIC	680PF 10% 250V (US, CND, MX)
△C908	1-107-909-11	ELECT	47uF 20% 35V	△C964	1-117-699-11	CERAMIC	0.001uF 99% 250V (EXCEPT US, CND, MX)
△C909	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	△C965	1-113-896-11	CERAMIC	220PF 10% 250V (EXCEPT US, CND, MX)
△C910	1-107-906-11	ELECT	10uF 20% 50V (US, CND, MX)	△C966	1-113-896-11	CERAMIC	220PF 10% 250V (EXCEPT US, CND, MX)
△C910	1-107-907-11	ELECT	22uF 20% 50V (EXCEPT US, CND, MX, E32)	C967	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
△C910	1-107-909-11	ELECT	47uF 20% 50V (E32)	C968	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
△C911	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	< CONNECTOR >			
△C912	1-117-693-11	CERAMIC	100PF 10% 250V (EXCEPT US, CND, MX)	CN300	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
△C912	1-113-907-51	CERAMIC	0.0022uF 99% 250V (US, CND, MX)	CN503	1-785-466-11	CONNECTOR, FFC/FPC 7P	
△C913	1-117-693-11	CERAMIC	100PF 10% 250V	CN504	1-784-370-21	CONNECTOR, FFC/FPC 11P	
△C918	1-113-925-11	CERAMIC	0.01uF 20% 250V	CN505	1-784-370-21	CONNECTOR, FFC/FPC 11P	
△C920	1-113-925-11	CERAMIC	0.01uF 20% 250V	CN507	1-793-991-11	CONNECTOR, FFC/FPC 23P	
△C921	1-165-136-11	CERAMIC	3300PF 10% 500V	CN509	1-779-287-11	CONNECTOR, FFC (LIF (NON-ZIF)) 19P	
△C922	1-128-560-11	ELECT	22uF 20% 100V	CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
△C923	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	< DIODE >			
△C924	1-124-257-00	ELECT	2.2uF 20% 50V	D101	6-500-260-01	DIODE P6SMB39AT3	
				D102	6-500-260-01	DIODE P6SMB39AT3	

HCD-DZ100

Ver. 1.2

MAIN

Ref. No.	Part No.	Description	Remark
D103	6-500-260-01	DIODE P6SMB39AT3	
D104	6-500-260-01	DIODE P6SMB39AT3	
D105	6-500-260-01	DIODE P6SMB39AT3	
D106	6-500-260-01	DIODE P6SMB39AT3	
D201	6-500-260-01	DIODE P6SMB39AT3	
D202	6-500-260-01	DIODE P6SMB39AT3	
D203	6-500-260-01	DIODE P6SMB39AT3	
D204	6-500-260-01	DIODE P6SMB39AT3	
D205	6-500-260-01	DIODE P6SMB39AT3	
D206	6-500-260-01	DIODE P6SMB39AT3	
D303	8-719-988-61	DIODE 1SS355TE-17	
D304	8-719-988-61	DIODE 1SS355TE-17	
D503	8-719-988-61	DIODE 1SS355TE-17	
D504	8-719-988-61	DIODE 1SS355TE-17	
D505	8-719-988-61	DIODE 1SS355TE-17	
D506	8-719-988-61	DIODE 1SS355TE-17	
△D901	8-719-082-57	DIODE D5SBA60F01	
△D905	8-719-063-74	DIODE D1NL20U-TR2	
△D906	8-719-988-61	DIODE 1SS355TE-17	
△D907	8-719-988-61	DIODE 1SS355TE-17	
△D908	8-719-988-61	DIODE 1SS355TE-17	
△D909	8-719-988-61	DIODE 1SS355TE-17	
△D910	8-719-988-61	DIODE 1SS355TE-17	
△D913	6-500-241-01	DIODE SARS03	
△D914	8-719-988-61	DIODE 1SS355TE-17	
△D915	8-719-977-28	DIODE UDZSTE-1710B	
△D921	8-719-948-45	DIODE ERA22-08TP3	
△D922	8-719-063-74	DIODE D1NL20U-TR2	
△D923	8-719-977-28	DIODE UDZSTE-1710B	
△D924	8-719-083-69	DIODE UDZSTE-1724B	
△D925	8-719-069-54	DIODE UDZSTE-175.1B	
△D926	8-719-083-69	DIODE UDZSTE-1724B	
D931	6-500-383-01	DIODE YG906C2R	
D932	8-719-069-54	DIODE UDZSTE-175.1B	
D941	8-719-063-74	DIODE D1NL20U-TR2	
D942	8-719-080-53	DIODE RK36LF-B3	
D943	8-719-080-53	DIODE RK36LF-B3	
D944	6-500-288-11	DIODE EK19LF-F7	
D945	8-719-083-67	DIODE UDZSTE-1720B	
< GROUND TERMINAL BOARD >			
EB901	1-537-770-21	TERMINAL BOARD, GROUND (US, CND, MX)	
EB902	1-537-770-21	TERMINAL BOARD, GROUND	
EB903	1-537-770-21	TERMINAL BOARD, GROUND	
EB904	1-537-770-21	TERMINAL BOARD, GROUND	
EB905	1-537-770-21	TERMINAL BOARD, GROUND	
EB906	1-537-770-21	TERMINAL BOARD, GROUND	
EB907	1-537-770-21	TERMINAL BOARD, GROUND	
EB908	1-537-770-21	TERMINAL BOARD, GROUND	
EB910	1-537-770-21	TERMINAL BOARD, GROUND	
EB911	1-537-770-21	TERMINAL BOARD, GROUND	
< FERRITE BEAD >			
FB301	1-469-760-21	FERRITE, EMI (SMD) (2012)	
△FB902	1-410-396-41	FERRITE 0.45uH (US)	
△FB905	1-410-396-41	FERRITE 0.45uH	
< FUSE HOLDER >			
FH901	1-533-313-11	FUSE HOLDER	
FH902	1-533-313-11	FUSE HOLDER	

Ref. No.	Part No.	Description	Remark
< IC >			
IC101	6-704-802-01	IC CXD9774M	
IC102	6-704-802-01	IC CXD9774M	
IC103	6-704-802-01	IC CXD9774M	
IC104	6-704-802-01	IC CXD9774M	
IC105	6-704-802-01	IC CXD9774M	
IC106	6-704-802-01	IC CXD9774M	
IC108	6-707-939-01	IC CXD9843AR	
IC109	6-707-939-01	IC CXD9843AR	
IC110	6-707-939-01	IC CXD9843AR	
IC303	6-702-300-01	IC TK11118CSCL-G	
IC305	8-759-649-50	IC SN74AHC1GU04DCKR	
IC503	6-704-768-01	IC SN74AHC2G157HDCU3	
IC509	6-805-071-01	IC M30620MCP-A01FPU0 (EXCEPT US)	
IC509	6-805-987-01	IC M30620MCP-A15FPU0 (US)	
IC511	6-701-680-01	IC PST3629NR	
IC515	6-703-550-01	IC TA7809LS	
IC516	6-703-547-01	IC TA7805LS	
△IC901	6-707-741-01	IC STR-F6138-LF1352 (US, CND, MX)	
△IC901	6-707-742-11	IC STR-F6168-LF1352 (EXCEPT US, CND, MX)	
△IC921	6-707-740-01	IC STR-V153	
IC931	8-759-648-34	IC TA76431AS (TPE6)	
IC941	6-707-746-01	IC SI-3120KM-TL	
IC942	6-707-745-10	IC SI-3050KM-TL	
IC943	6-707-744-01	IC SI-3033KM-TL	
IC951	6-707-743-01	IC TA76L431S (TPE6, Q)	
< JACK >			
J201	1-780-202-11	TERMINAL BOARD (SP) (4P) (SPEAKER)	
J202	1-780-203-11	TERMINAL BOARD (SP) (2P) (SPEAKER)	
< COIL >			
L101	1-457-078-11	AIR-CORE COIL	
L102	1-457-078-11	AIR-CORE COIL	
L103	1-457-078-11	AIR-CORE COIL	
L104	1-457-078-11	AIR-CORE COIL	
L105	1-457-078-11	AIR-CORE COIL	
L106	1-457-078-11	AIR-CORE COIL	
L107	1-414-398-11	INDUCTOR 10uH	
L111	1-457-077-11	AIR-CORE COIL	
L112	1-457-077-11	AIR-CORE COIL	
L113	1-457-077-11	AIR-CORE COIL	
L114	1-457-077-11	AIR-CORE COIL	
L115	1-457-077-11	AIR-CORE COIL	
L116	1-457-077-11	AIR-CORE COIL	
L121	1-456-680-11	INDUCTOR 10uH	
L122	1-456-680-11	INDUCTOR 10uH	
L123	1-456-680-11	INDUCTOR 10uH	
L124	1-456-680-11	INDUCTOR 10uH	
L125	1-456-680-11	INDUCTOR 10uH	
L126	1-456-680-11	INDUCTOR 10uH	
L131	1-456-680-11	INDUCTOR 10uH	
L132	1-456-680-11	INDUCTOR 10uH	
L133	1-456-680-11	INDUCTOR 10uH	
L134	1-456-680-11	INDUCTOR 10uH	
L135	1-456-680-11	INDUCTOR 10uH	
L136	1-456-680-11	INDUCTOR 10uH	
L301	1-414-754-11	INDUCTOR 10uH	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
L302	1-412-939-11	INDUCTOR	1uH			R132	1-216-864-11	SHORT CHIP	0		
L303	1-216-295-91	SHORT CHIP	0			R133	1-216-864-11	SHORT CHIP	0		
L931	1-457-058-11	INDUCTOR	10.8uH								
L941	1-414-398-11	INDUCTOR	10uH			R134	1-216-864-11	SHORT CHIP	0		
						R135	1-216-864-11	SHORT CHIP	0		
L942	1-414-398-11	INDUCTOR	10uH			R136	1-216-864-11	SHORT CHIP	0		
L945	1-414-398-11	INDUCTOR	10uH			R139	1-216-864-11	SHORT CHIP	0		
L947	1-414-398-11	INDUCTOR	10uH			R141	1-216-864-11	SHORT CHIP	0		
L948	1-414-398-11	INDUCTOR	10uH								
L951	1-414-398-11	INDUCTOR	10uH			R142	1-216-864-11	SHORT CHIP	0		
< LINE FILTER >											
△ LF901	1-457-054-11	LINE FILTER COIL (US, CND, MX, E32)				R143	1-216-864-11	SHORT CHIP	0		
△ LF901	1-457-079-11	LINE FILTER COIL (EXCEPT US, CND, MX, E32)				R144	1-216-864-11	SHORT CHIP	0		
< PHOTO COUPLER >											
△ PC901	6-600-438-01	IC TLP421F (D4-GR)				R145	1-216-864-11	SHORT CHIP	0		
△ PC902	6-600-438-01	IC TLP421F (D4-GR)				R146	1-216-864-11	SHORT CHIP	0		
△ PC903	6-600-438-01	IC TLP421F (D4-GR)									
< TRANSISTOR >											
Q101	8-729-600-22	TRANSISTOR	2SA1235TP-1EF			R151	1-216-864-11	SHORT CHIP	0		
Q102	8-729-600-22	TRANSISTOR	2SA1235TP-1EF			R152	1-216-864-11	SHORT CHIP	0		
Q103	8-729-600-22	TRANSISTOR	2SA1235TP-1EF			R153	1-216-864-11	SHORT CHIP	0		
Q104	8-729-600-22	TRANSISTOR	2SA1235TP-1EF			R154	1-216-864-11	SHORT CHIP	0		
Q105	8-729-600-22	TRANSISTOR	2SA1235TP-1EF			R155	1-216-864-11	SHORT CHIP	0		
Q106	8-729-600-22	TRANSISTOR	2SA1235TP-1EF			R156	1-216-864-11	SHORT CHIP	0		
Q107	8-729-600-22	TRANSISTOR	2SA1235TP-1EF			R161	1-216-864-11	SHORT CHIP	0		
Q108	8-729-600-22	TRANSISTOR	2SA1235TP-1EF			R162	1-216-864-11	SHORT CHIP	0		
Q109	8-729-600-22	TRANSISTOR	2SA1235TP-1EF			R163	1-216-864-11	SHORT CHIP	0		
Q110	8-729-600-22	TRANSISTOR	2SA1235TP-1EF			R164	1-216-864-11	SHORT CHIP	0		
Q111	8-729-600-22	TRANSISTOR	2SA1235TP-1EF			R165	1-216-864-11	SHORT CHIP	0		
Q112	8-729-600-22	TRANSISTOR	2SA1235TP-1EF			R166	1-216-864-11	SHORT CHIP	0		
Q301	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF			R171	1-216-864-11	SHORT CHIP	0		
Q302	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF			R172	1-216-864-11	SHORT CHIP	0		
Q303	6-550-702-01	TRANSISTOR	2SC3243-TP-E			R173	1-216-864-11	SHORT CHIP	0		
Q304	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF			R174	1-216-864-11	SHORT CHIP	0		
Q506	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR			R175	1-216-864-11	SHORT CHIP	0		
Q507	8-729-027-23	TRANSISTOR	RT1P141C-TP-1			R176	1-216-864-11	SHORT CHIP	0		
△ Q901	8-729-140-04	TRANSISTOR	2SB1116A-TP-LK			R191	1-220-942-11	METAL CHIP	3.3	1%	1/4W
△ Q921	8-729-142-51	TRANSISTOR	2SD1616A-TP-LK			R192	1-220-942-11	METAL CHIP	3.3	1%	1/4W
Q943	1-801-806-11	TRANSISTOR	RT1N441C-TP-1			R193	1-220-942-11	METAL CHIP	3.3	1%	1/4W
Q945	6-550-718-01	TRANSISTOR	RSR025N03TL			R194	1-220-942-11	METAL CHIP	3.3	1%	1/4W
Q947	1-801-806-11	TRANSISTOR	RT1N441C-TP-1			R195	1-220-942-11	METAL CHIP	3.3	1%	1/4W
						R196	1-220-942-11	METAL CHIP	3.3	1%	1/4W
< RESISTOR >											
R108	1-216-837-11	METAL CHIP	22K	5%	1/10W	R201	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R109	1-216-837-11	METAL CHIP	22K	5%	1/10W	R202	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R110	1-216-837-11	METAL CHIP	22K	5%	1/10W	R203	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R111	1-216-837-11	METAL CHIP	22K	5%	1/10W	R204	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R112	1-216-837-11	METAL CHIP	22K	5%	1/10W	R205	1-220-942-11	METAL CHIP	3.3	1%	1/4W
						R206	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R113	1-216-837-11	METAL CHIP	22K	5%	1/10W	R211	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R114	1-216-837-11	METAL CHIP	22K	5%	1/10W	R212	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R115	1-216-837-11	METAL CHIP	22K	5%	1/10W	R213	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R116	1-216-837-11	METAL CHIP	22K	5%	1/10W	R214	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R117	1-216-837-11	METAL CHIP	22K	5%	1/10W	R215	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R118	1-216-837-11	METAL CHIP	22K	5%	1/10W	R216	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R119	1-216-837-11	METAL CHIP	22K	5%	1/10W	R221	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R131	1-216-864-11	SHORT CHIP	0			R222	1-216-136-00	RES-CHIP	2.7	5%	1/8W
						R223	1-216-136-00	RES-CHIP	2.7	5%	1/8W
						R224	1-216-136-00	RES-CHIP	2.7	5%	1/8W
						R225	1-216-136-00	RES-CHIP	2.7	5%	1/8W
						R226	1-216-136-00	RES-CHIP	2.7	5%	1/8W
						R241	1-216-809-11	METAL CHIP	100	5%	1/10W
						R242	1-216-809-11	METAL CHIP	100	5%	1/10W
						R243	1-216-809-11	METAL CHIP	100	5%	1/10W

HCD-DZ100

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R244	1-216-809-11	METAL CHIP	100	5%	1/10W	R380	1-216-818-11	METAL CHIP	560	5%	1/10W
R245	1-216-809-11	METAL CHIP	100	5%	1/10W	R381	1-216-818-11	METAL CHIP	560	5%	1/10W
R246	1-216-809-11	METAL CHIP	100	5%	1/10W						
R300	1-216-809-11	METAL CHIP	100	5%	1/10W	R382	1-216-818-11	METAL CHIP	560	5%	1/10W
R302	1-216-809-11	METAL CHIP	100	5%	1/10W	R393	1-216-801-11	METAL CHIP	22	5%	1/10W
						R394	1-216-857-11	METAL CHIP	1M	5%	1/10W
R303	1-216-809-11	METAL CHIP	100	5%	1/10W	R395	1-216-845-11	METAL CHIP	100K	5%	1/10W
R304	1-216-809-11	METAL CHIP	100	5%	1/10W	R396	1-216-809-11	METAL CHIP	100	5%	1/10W
R305	1-216-809-11	METAL CHIP	100	5%	1/10W						
R306	1-216-809-11	METAL CHIP	100	5%	1/10W	R400	1-216-845-11	METAL CHIP	100K	5%	1/10W
R308	1-216-809-11	METAL CHIP	100	5%	1/10W	R401	1-216-845-11	METAL CHIP	100K	5%	1/10W
						R402	1-216-845-11	METAL CHIP	100K	5%	1/10W
R309	1-216-809-11	METAL CHIP	100	5%	1/10W	R403	1-216-845-11	METAL CHIP	100K	5%	1/10W
R310	1-216-809-11	METAL CHIP	100	5%	1/10W	R404	1-216-845-11	METAL CHIP	100K	5%	1/10W
R311	1-216-809-11	METAL CHIP	100	5%	1/10W						
R312	1-216-809-11	METAL CHIP	100	5%	1/10W	R405	1-216-845-11	METAL CHIP	100K	5%	1/10W
R313	1-216-864-11	SHORT CHIP	0			R406	1-216-845-11	METAL CHIP	100K	5%	1/10W
						R407	1-216-845-11	METAL CHIP	100K	5%	1/10W
R314	1-216-809-11	METAL CHIP	100	5%	1/10W	R408	1-216-845-11	METAL CHIP	100K	5%	1/10W
R315	1-216-864-11	SHORT CHIP	0			R409	1-216-845-11	METAL CHIP	100K	5%	1/10W
R316	1-216-817-11	METAL CHIP	470	5%	1/10W						
R317	1-216-817-11	METAL CHIP	470	5%	1/10W	R410	1-216-845-11	METAL CHIP	100K	5%	1/10W
R318	1-216-817-11	METAL CHIP	470	5%	1/10W	R411	1-216-845-11	METAL CHIP	100K	5%	1/10W
						R412	1-216-845-11	METAL CHIP	100K	5%	1/10W
R319	1-216-833-11	METAL CHIP	10K	5%	1/10W	R424	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R320	1-216-864-11	SHORT CHIP	0			R426	1-216-833-11	METAL CHIP	10K	5%	1/10W
R321	1-216-864-11	SHORT CHIP	0								
R322	1-216-833-11	METAL CHIP	10K	5%	1/10W	R427	1-216-833-11	METAL CHIP	10K	5%	1/10W
R323	1-216-864-11	SHORT CHIP	0			R428	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
						R429	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R324	1-216-864-11	SHORT CHIP	0			R430	1-216-833-11	METAL CHIP	10K	5%	1/10W
R325	1-216-864-11	SHORT CHIP	0			R431	1-216-845-11	METAL CHIP	100K	5%	1/10W
R326	1-216-864-11	SHORT CHIP	0								
R327	1-216-864-11	SHORT CHIP	0			R450	1-216-833-11	METAL CHIP	10K	5%	1/10W
R328	1-216-864-11	SHORT CHIP	0			R451	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R452	1-216-833-11	METAL CHIP	10K	5%	1/10W
R329	1-216-864-11	SHORT CHIP	0			R453	1-216-833-11	METAL CHIP	10K	5%	1/10W
R344	1-216-817-11	METAL CHIP	470	5%	1/10W	R456	1-216-833-11	METAL CHIP	10K	5%	1/10W
R345	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R346	1-216-817-11	METAL CHIP	470	5%	1/10W	R457	1-216-833-11	METAL CHIP	10K	5%	1/10W
R347	1-216-833-11	METAL CHIP	10K	5%	1/10W	R458	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R459	1-216-833-11	METAL CHIP	10K	5%	1/10W
R348	1-216-817-11	METAL CHIP	470	5%	1/10W	R460	1-216-833-11	METAL CHIP	10K	5%	1/10W
R351	1-216-809-11	METAL CHIP	100	5%	1/10W	R461	1-216-833-11	METAL CHIP	10K	5%	1/10W
R353	1-216-809-11	METAL CHIP	100	5%	1/10W						
R354	1-216-809-11	METAL CHIP	100	5%	1/10W	R462	1-216-833-11	METAL CHIP	10K	5%	1/10W
R355	1-216-809-11	METAL CHIP	100	5%	1/10W	R463	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R464	1-216-833-11	METAL CHIP	10K	5%	1/10W
R356	1-216-817-11	METAL CHIP	470	5%	1/10W	R468	1-216-864-11	SHORT CHIP	0		
R357	1-216-817-11	METAL CHIP	470	5%	1/10W	R469	1-216-864-11	SHORT CHIP	0		
R358	1-216-817-11	METAL CHIP	470	5%	1/10W						
R361	1-216-845-11	METAL CHIP	100K	5%	1/10W	R472	1-216-864-11	SHORT CHIP	0		
R362	1-216-845-11	METAL CHIP	100K	5%	1/10W	R473	1-216-864-11	SHORT CHIP	0		
						R474	1-216-864-11	SHORT CHIP	0		
R363	1-216-845-11	METAL CHIP	100K	5%	1/10W	R475	1-216-864-11	SHORT CHIP	0		
R364	1-216-845-11	METAL CHIP	100K	5%	1/10W	R478	1-216-864-11	SHORT CHIP	0		
R365	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R366	1-216-845-11	METAL CHIP	100K	5%	1/10W	R479	1-216-864-11	SHORT CHIP	0		
R371	1-216-818-11	METAL CHIP	560	5%	1/10W	R481	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R482	1-216-833-11	METAL CHIP	10K	5%	1/10W
R372	1-216-818-11	METAL CHIP	560	5%	1/10W	R483	1-216-833-11	METAL CHIP	10K	5%	1/10W
R373	1-216-818-11	METAL CHIP	560	5%	1/10W	R484	1-216-833-11	METAL CHIP	10K	5%	1/10W
R374	1-216-818-11	METAL CHIP	560	5%	1/10W						
R375	1-216-818-11	METAL CHIP	560	5%	1/10W	R487	1-216-833-11	METAL CHIP	10K	5%	1/10W
R376	1-216-818-11	METAL CHIP	560	5%	1/10W	R488	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R489	1-216-833-11	METAL CHIP	10K	5%	1/10W
R377	1-216-818-11	METAL CHIP	560	5%	1/10W	R490	1-216-833-11	METAL CHIP	10K	5%	1/10W
R378	1-216-818-11	METAL CHIP	560	5%	1/10W	R491	1-216-833-11	METAL CHIP	10K	5%	1/10W
R379	1-216-818-11	METAL CHIP	560	5%	1/10W						

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R492	1-216-833-11	METAL CHIP	10K	5%	1/10W	R695	1-216-809-11	METAL CHIP	100	5%	1/10W
R493	1-216-833-11	METAL CHIP	10K	5%	1/10W	R696	1-216-809-11	METAL CHIP	100	5%	1/10W
R501	1-216-809-11	METAL CHIP	100	5%	1/10W	R697	1-216-809-11	METAL CHIP	100	5%	1/10W
R503	1-216-809-11	METAL CHIP	100	5%	1/10W						
R514	1-216-821-11	METAL CHIP	1K	5%	1/10W	R701	1-216-809-11	METAL CHIP	100	5%	1/10W
						R702	1-216-833-11	METAL CHIP	10K	5%	1/10W
R523	1-216-833-11	METAL CHIP	10K	5%	1/10W	R703	1-216-821-11	METAL CHIP	1K	5%	1/10W
R535	1-216-821-11	METAL CHIP	1K	5%	1/10W	R704	1-216-821-11	METAL CHIP	1K	5%	1/10W
					(AEP, UK)	R705	1-216-833-11	METAL CHIP	10K	5%	1/10W
R536	1-216-821-11	METAL CHIP	1K	5%	1/10W						
					(AEP, UK)	R706	1-216-809-11	METAL CHIP	100	5%	1/10W
R550	1-216-864-11	SHORT CHIP	0			R707	1-216-809-11	METAL CHIP	100	5%	1/10W
R577	1-216-821-11	METAL CHIP	1K	5%	1/10W	R709	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R710	1-216-864-11	SHORT CHIP	0		
R585	1-216-809-11	METAL CHIP	100	5%	1/10W	R711	1-216-809-11	METAL CHIP	100	5%	1/10W
R586	1-216-809-11	METAL CHIP	100	5%	1/10W						
R587	1-216-809-11	METAL CHIP	100	5%	1/10W	R712	1-216-864-11	SHORT CHIP	0		
R588	1-216-809-11	METAL CHIP	100	5%	1/10W	R713	1-216-864-11	SHORT CHIP	0		
R589	1-216-821-11	METAL CHIP	1K	5%	1/10W	R714	1-216-864-11	SHORT CHIP	0		
						R715	1-216-864-11	SHORT CHIP	0		
R590	1-216-809-11	METAL CHIP	100	5%	1/10W	R716	1-216-809-11	METAL CHIP	100	5%	1/10W
R591	1-216-809-11	METAL CHIP	100	5%	1/10W						
R592	1-216-833-11	METAL CHIP	10K	5%	1/10W	R717	1-216-833-11	METAL CHIP	10K	5%	1/10W
R593	1-216-833-11	METAL CHIP	10K	5%	1/10W	R718	1-216-833-11	METAL CHIP	10K	5%	1/10W
R594	1-216-809-11	METAL CHIP	100	5%	1/10W						(EXCEPT AEP, UK)
						R719	1-216-833-11	METAL CHIP	10K	5%	1/10W
R595	1-216-809-11	METAL CHIP	100	5%	1/10W	R720	1-216-833-11	METAL CHIP	10K	5%	1/10W
R596	1-216-821-11	METAL CHIP	1K	5%	1/10W	R721	1-216-833-11	METAL CHIP	10K	5%	1/10W
					(SP)						(EXCEPT AEP, UK)
R596	1-216-833-11	METAL CHIP	10K	5%	1/10W						
					(EA)	R722	1-216-841-11	METAL CHIP	47K	5%	1/10W
R596	1-216-835-11	METAL CHIP	15K	5%	1/10W	R725	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
					(AUS)	R726	1-216-821-11	METAL CHIP	1K	5%	1/10W
R596	1-216-841-11	METAL CHIP	47K	5%	1/10W	R727	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
					(US, CND, RU, MX, E32, KR)	R728	1-216-821-11	METAL CHIP	1K	5%	1/10W
R601	1-216-809-11	METAL CHIP	100	5%	1/10W	R729	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R606	1-216-819-11	METAL CHIP	680	5%	1/10W	R730	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R607	1-216-819-11	METAL CHIP	680	5%	1/10W	R732	1-216-833-11	METAL CHIP	10K	5%	1/10W
R608	1-216-809-11	METAL CHIP	100	5%	1/10W	R733	1-216-833-11	METAL CHIP	10K	5%	1/10W
R609	1-216-864-11	SHORT CHIP	0			R734	1-216-833-11	METAL CHIP	10K	5%	1/10W
R611	1-216-833-11	METAL CHIP	10K	5%	1/10W	R739	1-216-841-11	METAL CHIP	47K	5%	1/10W
R612	1-216-833-11	METAL CHIP	10K	5%	1/10W	R741	1-216-841-11	METAL CHIP	47K	5%	1/10W
R614	1-216-833-11	METAL CHIP	10K	5%	1/10W	R742	1-216-833-11	METAL CHIP	10K	5%	1/10W
R615	1-216-817-11	METAL CHIP	470	5%	1/10W	R744	1-216-833-11	METAL CHIP	10K	5%	1/10W
R616	1-216-833-11	METAL CHIP	10K	5%	1/10W	R746	1-216-841-11	METAL CHIP	47K	5%	1/10W
R620	1-216-809-11	METAL CHIP	100	5%	1/10W	R748	1-216-821-11	METAL CHIP	1K	5%	1/10W
R628	1-216-821-11	METAL CHIP	1K	5%	1/10W	R749	1-216-821-11	METAL CHIP	1K	5%	1/10W
R629	1-216-295-91	SHORT CHIP	0			R750	1-216-821-11	METAL CHIP	1K	5%	1/10W
R636	1-216-864-11	SHORT CHIP	0			R755	1-216-821-11	METAL CHIP	1K	5%	1/10W
R637	1-216-864-11	SHORT CHIP	0			R756	1-216-821-11	METAL CHIP	1K	5%	1/10W
R638	1-216-809-11	METAL CHIP	100	5%	1/10W	R760	1-216-809-11	METAL CHIP	100	5%	1/10W
R639	1-216-809-11	METAL CHIP	100	5%	1/10W	R761	1-216-809-11	METAL CHIP	100	5%	1/10W
R656	1-216-864-11	SHORT CHIP	0			R762	1-216-809-11	METAL CHIP	100	5%	1/10W
R657	1-216-841-11	METAL CHIP	47K	5%	1/10W	R763	1-216-809-11	METAL CHIP	100	5%	1/10W
R659	1-216-845-11	METAL CHIP	100K	5%	1/10W	R764	1-216-809-11	METAL CHIP	100	5%	1/10W
R662	1-216-841-11	METAL CHIP	47K	5%	1/10W	R765	1-216-809-11	METAL CHIP	100	5%	1/10W
R673	1-216-833-11	METAL CHIP	10K	5%	1/10W	R774	1-216-821-11	METAL CHIP	1K	5%	1/10W
R675	1-216-809-11	METAL CHIP	100	5%	1/10W	R775	1-216-841-11	METAL CHIP	47K	5%	1/10W
R678	1-216-864-11	SHORT CHIP	0			R789	1-216-809-11	METAL CHIP	100	5%	1/10W
R692	1-216-809-11	METAL CHIP	100	5%	1/10W	R790	1-216-809-11	METAL CHIP	100	5%	1/10W
R693	1-216-809-11	METAL CHIP	100	5%	1/10W	R791	1-216-809-11	METAL CHIP	100	5%	1/10W
R694	1-216-809-11	METAL CHIP	100	5%	1/10W	R792	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
											(RU)

HCD-DZ100

Ver. 1.2

MAIN MS-203 STBY

Ref. No.	Part No.	Description	Remark		
R792	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AEP, UK)
R792	1-216-833-11	METAL CHIP	10K	5%	1/10W (MX, E32)
R792	1-216-835-11	METAL CHIP	15K	5%	1/10W (KR)
R792	1-216-837-11	METAL CHIP	22K	5%	1/10W (US, CND)
R792	1-216-841-11	METAL CHIP	47K	5%	1/10W (EA, AUS)
△ R901	1-219-759-11	METAL	1M	5%	1/2W (EXCEPT US, CND, MX)
△ R902	1-219-237-11	SOLID	3.3M	20%	1/2W (US, CND, MX)
△ R903	1-215-926-00	METAL OXIDE	33K	5%	3W (US, CND, MX)
△ R903	1-215-929-11	METAL OXIDE	100K	5%	3W (EXCEPT US, CND, MX)
△ R904	1-215-926-00	METAL OXIDE	33K	5%	3W (US, CND, MX)
△ R904	1-215-929-11	METAL OXIDE	100K	5%	3W (EXCEPT US, CND, MX)
△ R905	1-216-797-11	METAL CHIP	10	5%	1/10W
△ R906	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
△ R907	1-216-833-11	METAL CHIP	10K	5%	1/10W
△ R908	1-260-105-11	CARBON	3.3K	5%	1/2W
△ R909	1-216-845-11	METAL CHIP	100K	5%	1/10W
△ R910	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
△ R911	1-216-813-11	METAL CHIP	220	5%	1/10W
△ R912	1-216-361-61	METAL OXIDE	0.22	5%	2W (US, CND, MX)
△ R912	1-216-363-00	METAL OXIDE	0.33	5%	2W (EXCEPT US, CND, MX)
△ R913	1-216-361-61	METAL OXIDE	0.22	5%	2W (US, CND, MX)
△ R914	1-214-789-00	METAL	0.1	10%	5W (EXCEPT US, CND, MX)
△ R914	1-243-665-11	METAL	0.05	5%	5W (US, CND, MX)
△ R918	1-216-864-11	SHORT CHIP	0		
△ R919	1-216-836-11	METAL CHIP	18K	5%	1/10W
△ R920	1-216-821-11	METAL CHIP	1K	5%	1/10W
△ R921	1-215-904-61	METAL OXIDE	100K	5%	2W
△ R922	1-216-793-11	METAL CHIP	4.7	5%	1/10W
△ R923	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
△ R924	1-216-864-11	SHORT CHIP	0	(EXCEPT US, CND, MX)	
△ R925	1-216-797-11	METAL CHIP	10	5%	1/10W
△ R926	1-216-855-11	METAL CHIP	680K	5%	1/10W
△ R927	1-216-348-00	METAL OXIDE	0.82	5%	1W (US, CND, MX)
△ R927	1-216-349-00	METAL OXIDE	1	5%	1W (EXCEPT US, CND, MX)
△ R929	1-249-478-11	CARBON	2.2	5%	1/2W
△ R930	1-216-864-11	SHORT CHIP	0	(EXCEPT US, CND, MX)	
R931	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R932	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R933	1-216-829-11	METAL CHIP	4.7K	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	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R938	1-216-821-11	METAL CHIP	1K	5%	1/10W
R939	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R940	1-216-833-11	METAL CHIP	10K	5%	1/10W
R941	1-216-864-11	SHORT CHIP	0		
R943	1-216-864-11	SHORT CHIP	0		
R946	1-216-811-11	METAL CHIP	150	5%	1/10W
R948	1-216-833-11	METAL CHIP	10K	5%	1/10W
R949	1-216-821-11	METAL CHIP	1K	5%	1/10W
R951	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R952	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R953	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R954	1-216-837-11	METAL CHIP	22K	5%	1/10W
R955	1-216-817-11	METAL CHIP	470	5%	1/10W
R956	1-216-821-11	METAL CHIP	1K	5%	1/10W
R957	1-216-841-11	METAL CHIP	47K	5%	1/10W
R958	1-216-821-11	METAL CHIP	1K	5%	1/10W
R965	1-216-864-11	SHORT CHIP	0		
< TRANSFORMER >					
△ T901	1-443-649-11	TRANSFORMER, CONVERTER (US, CND, MX)			
△ T901	1-443-651-11	TRANSFORMER, CONVERTER (EXCEPT US, CND, MX)			
△ T902	1-443-650-11	TRANSFORMER, CONVERTER			
< THERMISTOR >					
△ TH901	1-805-841-21	THERMISTOR, NTC 3.0 (US, CND, MX, E32)			
△ TH901	1-805-842-21	THERMISTOR, NTC 6.0 (EXCEPT US, CND, MX, E32)			
< VARISTOR >					
△ VDR901	1-805-482-11	VARISTOR			
< VIBRATOR >					
X450	1-795-660-21	QUARTZ CRYSTAL UNIT 49.152MHz			
X502	1-795-058-21	VIBRATOR, CERAMIC 5MHz			

MS-203 BOARD					

< CONNECTOR >					
CN001	1-815-412-11	CONNECTOR, FFC/FPC 5P			
< SWITCH >					
S001	1-786-693-11	SWITCH, DETECTION (CHUCK/TRAY DETECT)			

STBY BOARD					

< CONNECTOR >					
CN804	1-506-481-11	PIN, CONNECTOR 2P			
< SWITCH >					
S801	1-762-875-21	SWITCH, KEYBOARD (I/⏻)			

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	

1	1-828-952-11	WIRE (FLAT TYPE) (9 CORE)(EXCEPT AEP, UK)	
1	1-828-962-11	WIRE (FLAT TYPE) (11 CORE) (AEP, UK)	
5	1-787-331-11	FAN, D.C.	
57	1-828-361-11	WIRE (FLAT TYPE) (19 CORE)	
102	1-830-546-11	WIRE (FLAT TYPE) (11 CORE)	
△ 106	1-696-848-22	CORD, POWER (AUS)	
△ 106	1-769-079-41	CORD, POWER (KR)	
△ 106	1-775-789-31	CORD, POWER (MX)	
△ 106	1-777-071-83	CORD, POWER	
		(EXCEPT US, CND, MX, AUS, KR)	
△ 106	1-783-531-12	CORD, POWER (CND)	
△ 106	1-830-189-11	CORD, POWER (US)	
110	1-830-464-11	WIRE (FLAT TYPE) (23 CORE)	
112	1-830-549-11	WIRE (FLAT TYPE) (5 CORE)	
113	1-830-545-11	WIRE (FLAT TYPE) (11 CORE)	
114	1-830-548-11	WIRE (FLAT TYPE) (13 CORE)	
115	1-830-547-11	WIRE (FLAT TYPE) (7 CORE)	
△ 507	8-820-290-02	DEVICE, OPTICAL KHM-310CAA/C2RP	
508	1-830-687-51	WIRE (FLAT TYPE) (24 CORE)	
△ F901	1-532-506-33	FUSE (T6.3AL/250V)	
		(EXCEPT US, CND, MX, E32)	
△ F901	1-532-749-11	FUSE, GLASS TUBE (T8AL/125V) (US)	
△ F901	1-533-949-33	FUSE, CYLINDRICAL (T8AL/250V) (TIME LUG)	
		(E32)	
△ F901	1-576-537-12	FUSE, GLASS TUBE (DIA.5) (T8AL/125V)	
		(CND, MX)	

MEMO

HCD-DZ100

SONY®

SERVICE MANUAL

Ver. 1.3 2005.11

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model*

SUPPLEMENT-1

Subject : Addition of ELECTRICAL ADJUSTMENT

ELECTRICAL ADJUSTMENT

DVD SECTION

When the base unit is replaced, perform the adjustment and the measurement as shown below in this order.

- 1) MIRROR TIME ADJUSTMENT (See page 19)
- 2) EXECUTING IOP MEASUREMENT (See page 21)

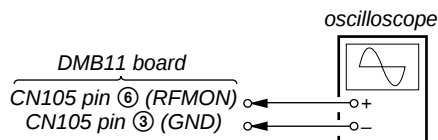
[TEST DISC LIST]

Be sure to use the DVD disc that matches the signal standards of your region.

- CD
 - YEDS-18 (Part No.: 3-702-101-01)
 - PATD-012 (Part No.: 4-225-203-01)
- DVD SL (Single Layer)
 - NTSC : HLX-503 (Part No.: J-6090-069-A)
 - HLX-504 (Part No.: J-6090-088-A)
 - PAL : HLX-506 (Part No.: J-6090-077-A)
- DVD DL (Dual Layer)
 - NTSC : HLX-501 (Part No.: J-6090-071-A)
 - HLX-505 (Part No.: J-6090-089-A)
 - PAL : HLX-507 (Part No.: J-6090-078-A)

[RF Level Check]

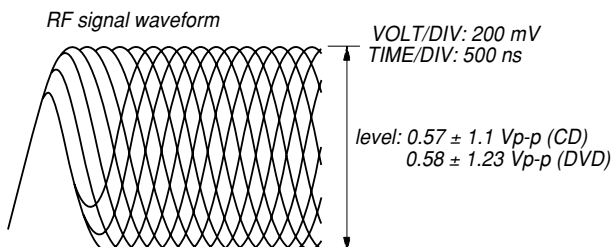
Connection:

**Procedure:**

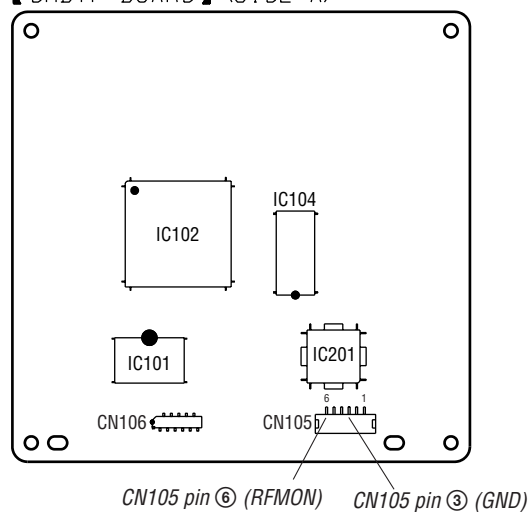
1. Connect an oscilloscope to CN105 pin ⑥ (RFMON) and CN105 pin ③ (GND) on the DMB11 board.
2. Turn the power on.
3. Insert the CD test disc (refer to the TEST DISC LIST), and press the  button to play the disc back.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

Note: A clear RF signal waveform means that the shape “◇” can be clearly distinguished at the center of the waveform.

5. Eject the CD disc, and insert the DVD SL test disk (refer to the TEST DISC LIST), and press the  button to play the disc back.



Checking Location: DMB11 board (Side A)

[DMB11 BOARD] (SIDE A)

MEMO

REVISION HISTORY

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

[illegible]