HCD-SH2000

SERVICE MANUAL

E Model

Ver. 1.1 2011.09

- HCD-SH2000 is the tuner, USB, CD and amplifier section in FST-SH2000/LBT-SH2000.

- "WALKMAN" and "WALKMAN" logo are registered trademarks of Sony Corporation.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
- This product contains technology subject to certain intellectual property rights of Microsoft. Use or distribution of this technology outside of this product is prohibited without the appropriate license(s) from Microsoft.

CD Section	CD Mechanism Type	CDM86B-DVBU101
	Optical Pick-up Name	KHM-313CAB/C2NP

SPECIFICATIONS

Amplifier section

The following are measured at AC 120 V - 240 V, 50/60 Hz

Power output (rated):
- High channel: 300 W + 300 W (at 4 Ω, 1 kHz, 1% THD)
- Low channel: 300 W + 300 W (at 4 Ω, 100 Hz, 1% THD)

RMS output power (reference):
- High channel: 500 W + 500 W (per channel at 4 Ω, 1 kHz)
- Low channel: 500 W + 500 W (per channel at 4 Ω, 100 Hz)

Inputs

PC (AUDIO IN) L/R, TV (AUDIO IN) L/R, DVD/SAT (AUDIO IN) L/R, GAME (AUDIO IN) L/R
- Voltage 2 V, impedance 47 kΩ

MIC
- Sensitivity 1 mV, impedance 10 kΩ

⇜ A, ⇜ B port: Type A

USB section

Supported bit rate
- MP3 (MPEG 1 Audio Layer-3): 32 kbps – 320 kbps, VBR
- WMA: 48 kbps – 192 kbps
- AAC: 48 kbps – 320 kbps

Sampling frequencies
- MP3 (MPEG 1 Audio Layer-3): 32 kHz/44.1 kHz/48 kHz
- WMA: 44.1 kHz
- AAC: 44.1 kHz

Transfer speed
- Full-Speed

Supported USB device
- Mass Storage Class

Maximum current
- 500 mA

Disc player section

System
- Compact disc and digital audio system

Laser Diode Properties
- Emission Duration: Continuous
- Laser Output*: Less than 44.6 µW
- * This output is the value measurement at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.

Frequency response
- 20 Hz – 20 kHz

Signal-to-noise ratio
- More than 90 dB

Dynamic range
- More than 88 dB

Tuner section

FM stereo, FM/AM superheterodyne tuner

Antenna:
- FM lead antenna
- AM loop antenna

FM tuner section

Tuning range
- 87.5 MHz – 108.0 MHz (50 kHz step)

AM tuner section

Tuning range
- AR, E2, E51 and MX models: 530 kHz – 1,710 kHz (10 kHz step) 531 kHz – 1,710 kHz (9 kHz step)
- MY model: 530 kHz – 1,610 kHz (10 kHz step) 531 kHz – 1,602 kHz (9 kHz step)

General

Power requirements
- AC 120 V – 240 V, 50/60 Hz

Power consumption
- 320 W

Dimensions (w/h/d) (excl. speakers) (Approx.)
- 510 mm × 235 mm × 420 mm

Mass (excl. speakers) (Approx.)
- 10.0 kg

Supplied accessories
- Remote control (1)
- R6 (Size AA) batteries (2)
- FM lead/AM loop antenna (1)
- Speaker foot (8)

Design and specifications are subject to change without notice.

- Abbreviation
  - E2 : 120V AC area in E model
  - E51 : Chilean and Peruvian models
  - EA : Saudi Arabia model
  - MX : Mexican model
  - MY : Malaysia model
  - SAF : South African model

MINI HI-FI COMPONENT SYSTEM

SONY®

9-890-576-02
2011I08-1
© 2011.09
Sony Corporation
Published by Sony EMCS (Malaysia) PG Tec

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 2V AC range are suitable. (See Fig. A)

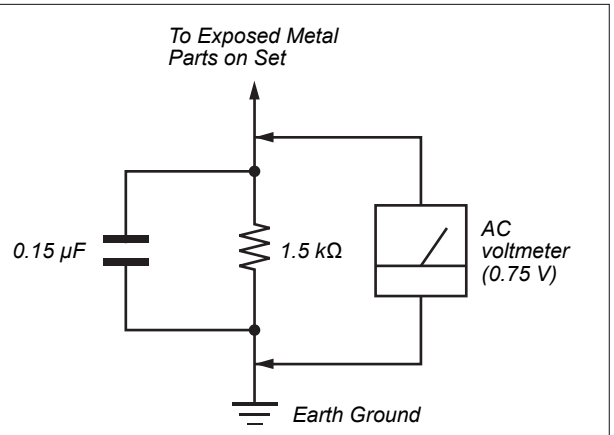


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!

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

TABLE OF CONTENTS

1. SERVICING NOTES 4

2. DISASSEMBLY

2-1. Side Panel A, Side Panel B and Top Panel Section 6
2-2. Back Panel Section 7
2-3. Front Panel Section 7
2-4. DMB21 Board 8
2-5. CDM Section 8
2-6. CD MECHANISM DECK BLOCK (1) 9
2-7. CD MECHANISM DECK BLOCK (2) 9
2-8. DAMP Board, MAIN Board 10
2-9. SWITCHING REGULATOR 10

3. TEST MODE 11

4. ELECTRICAL CHECK 13

5. DIAGRAMS

5-1. Block Diagram - RS SERVO, USB Section - 15
5-2. Block Diagram - MAIN Section - 16
5-3. Block Diagram - AMP Section - 17
5-4. Block Diagram - PANEL, POWER SUPPLY Section - . 18
5-5. Printed Wiring Board
- MAIN Board (Component Side) (Suffix 11) - 20
5-6. Printed Wiring Board
- MAIN Board (Conductor Side) (Suffix 11) - 21
5-7. Printed Wiring Board
- MAIN Board (Component Side) (Suffix 12) - 22
5-8. Printed Wiring Board
- MAIN Board (Conductor Side) (Suffix 12) - 23
5-9. Schematic Diagram - MAIN Board (1/4) (Suffix 11) -... 24
5-10. Schematic Diagram - MAIN Board (2/4) (Suffix 11) -... 25
5-11. Schematic Diagram - MAIN Board (3/4) (Suffix 11) -... 26
5-12. Schematic Diagram - MAIN Board (4/4) (Suffix 11) -... 27
5-13. Schematic Diagram - MAIN Board (1/4) (Suffix 12) - .. 28
5-14. Schematic Diagram - MAIN Board (2/4) (Suffix 12) - .. 29
5-15. Schematic Diagram - MAIN Board (3/4) (Suffix 12) - .. 30
5-16. Schematic Diagram - MAIN Board (4/4) (Suffix 12) - .. 31
5-17. Printed Wiring Board
- DMB21 Board (Component Side) - 32
5-18. Printed Wiring Board
- DMB21 Board (Conductor Side) - 33
5-19. Schematic Diagram - DMB21 Board (1/3) - 34
5-20. Schematic Diagram - DMB21 Board (2/3) - 35
5-21. Schematic Diagram - DMB21 Board (3/3) - 36
5-22. Printed Wiring Boards
- DAMP Board (Component Side) - 37
5-23. Printed Wiring Boards
- DAMP Board (Conductor Side) - 38
5-24. Schematic Diagram - DAMP Board (1/4) - 39
5-25. Schematic Diagram - DAMP Board (2/4) - 40
5-26. Schematic Diagram - DAMP Board (3/4) - 41
5-27. Schematic Diagram - DAMP Board (4/4) - 42
5-28. Printed Wiring Boards - DISPLAY Board - 43
5-29. Schematic Diagram - DISPLAY Board - 44
5-30. Printed Wiring Boards - VOLUME Board- 45
5-31. Schematic Diagram - VOLUME Board - 46
5-32. Printed Wiring Boards - BUTTON, USB Board - 47
5-33. Schematic Diagram - BUTTON, USB Board - 48
5-34. Printed Wiring Boards - VOLUME LED,
BOTTON LED AND TUNER Board - 49
5-35. Schematic Diagram - VOLUME LED,
BOTTON LED AND TUNER Board - 50
5-36. Printed Wiring Boards - AUDIO-IN Board - 51
5-37. Schematic Diagram - AUDIO-IN Board - 51
5-38. Printed Wiring Boards - MIC Board - 52
5-39. Schematic Diagram - MIC Board - 52

6. EXPLODED VIEWS

6-1. Main Section 65
6-2. Front Panel Section (1) 66
6-3. Back Panel Section 67
6-4. Chassis Section 68
6-5. CDM Section 69

7. ELECTRICAL PARTS LIST 70

SECTION 1
SERVICING NOTES

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 leadfree mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

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

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

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

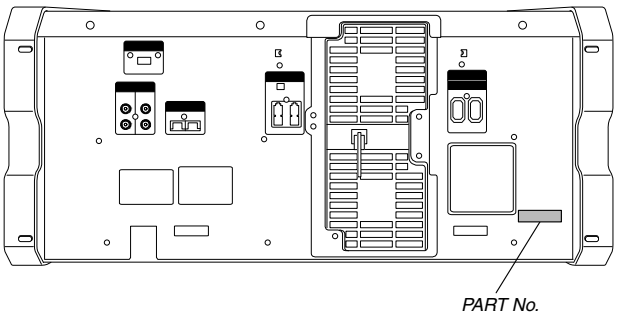
NOTES ON LASER DIODE EMISSION CHECK

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

This appliance is claassified as a CLASS 1 LASER product. This label is located on the rear exterior.

MODEL IDENTIFICATION

- BACK PANEL -



Model	Part No.
E2, E51, EA, MY, SAF	4-275-656-0□
MX	4-275-656-1□

- Abbreviation
  E2 : 120 V AC area in E model
  E51 : Chilean and Peruvian models
  EA : Saudi Arabian model
  MX : Mexican model
  MY : Malaysia model
  SAF : South African model

PLAYABLE DISC

Format of discs	Logo
• AUDIO CD	COMPACT disc DIGITAL AUDIO
• CD-R/-RW in AUDIO CD format • CD-R/-RW in DATA CD format, containing MP3 audio tracks [1] that conforms to ISO 9660 [2] Level 1/Level 2, Joliet (in expansion format), or Multi Session [3]	COMPACT disc DIGITAL AUDIO Recordable COMPACT disc Recordable COMPACT disc ReWritable COMPACT disc DIGITAL AUDIO ReWritable

1) MP3 (MPEG 1 Audio Layer 3) is a standard format defined by ISO/MPEG which compresses audio data. MP3 audio tracks must be in MPEG 1 Audio Layer 3 format.
2) A logical format of files and folders on CD-ROMs, defined by ISO (International Organization for Standardization).
3) This is a recording method that enables adding of data using the Track-At-Once method. Conventional discs begin at a disc control area called the Lead-in and end at an area called Lead-out. A Multi Session disc is a disc having multiple sessions, with each segment from Lead-in to Lead-out regarded as a single session.

NOTE OF REPLACING THE IC102 AND IC4605 ON THE DMB21 BOARD

IC102 and IC4605 on the DMB21 board cannot exchange with single. When these parts on the DMB21 board are damaged, exchange the entire mounted board.

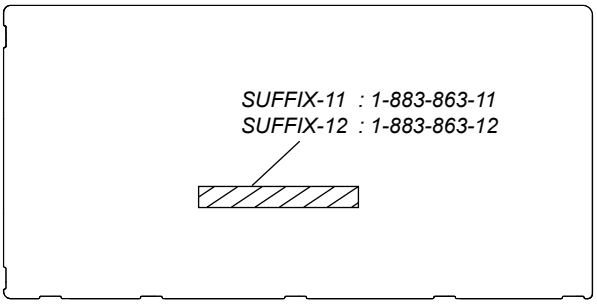
NOTE OF REPLACEMENT OF THE MS-214 BOARD

When the MS-214 board is defective, exchange the entire MD (AU) ASSY.

MAIN BOARD DISCRIMINATION

In this set, the MAIN board has been changed in the midway of production.
Repair after distinguishing each type set to doing the repair referring to the following.

– MAIN Board (Component Side) –

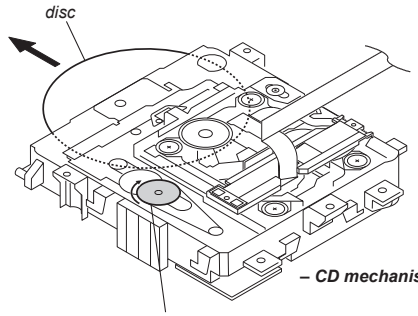


NOTE OF REPLACING THE IC103 AND C242 (Combination: TYPE B) ON THE MAIN BOARD (Suffix-12)

IC103 and C242 (Combination: TYPE B) on the MAIN board (Suffix-12) cannot exchange with single. When these parts on the MAIN board (Suffix-12) are damaged, remove IC103 and C242 (Combination: TYPE B) and replace with IC102 and C239 (Combination: TYPE A)

HOW TO EJECT THE DISC WHEN POWER SWITCH TURNS OFF

Note: Please take out the CD mechanism block from a set referring to "SECTION 2 DISASSEMBLY".

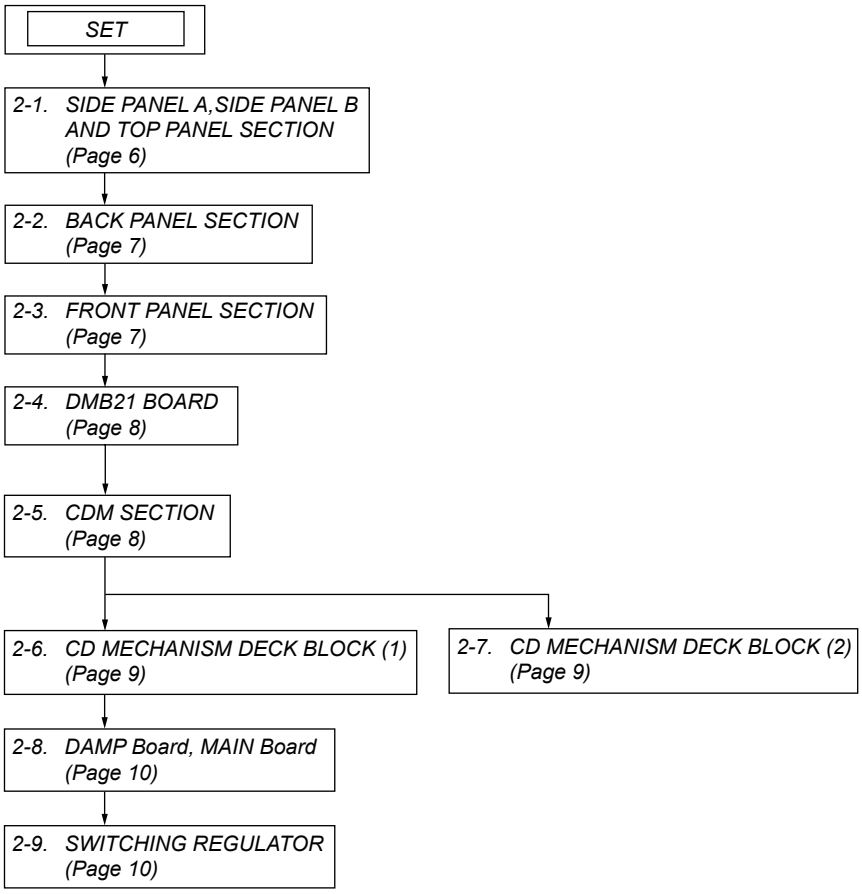


– CD mechanism block bottom view –

Please rotate the pully in the direction of the arrow and eject the disc.

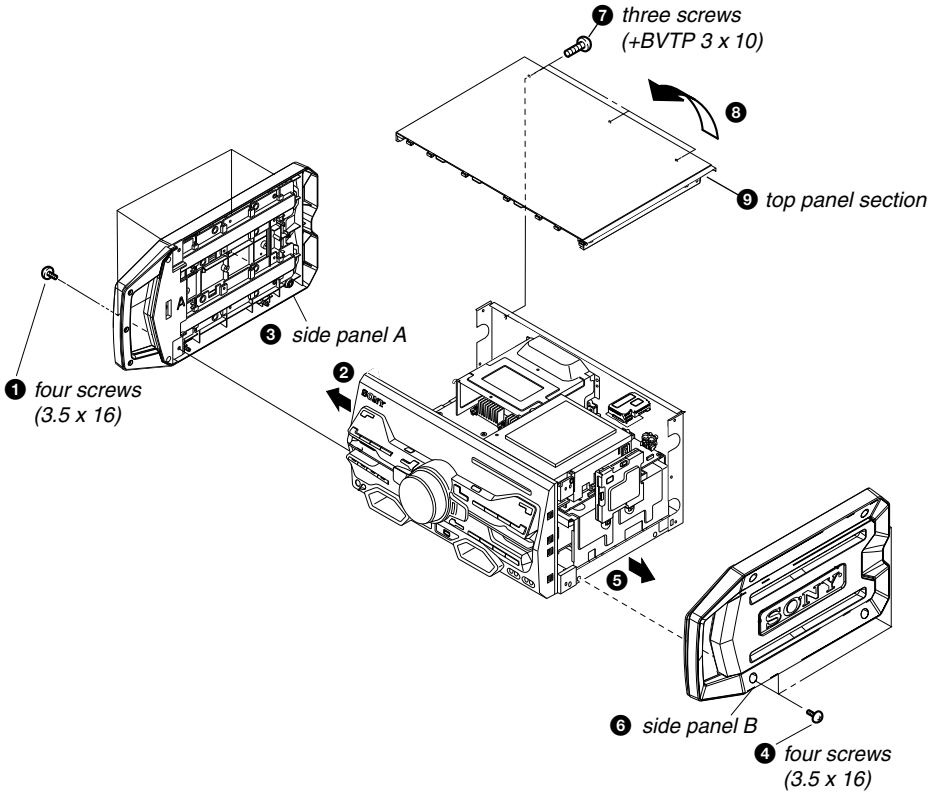
SECTION 2
DISASSEMBLY

Note: Disassemble the unit in the order as shown below.

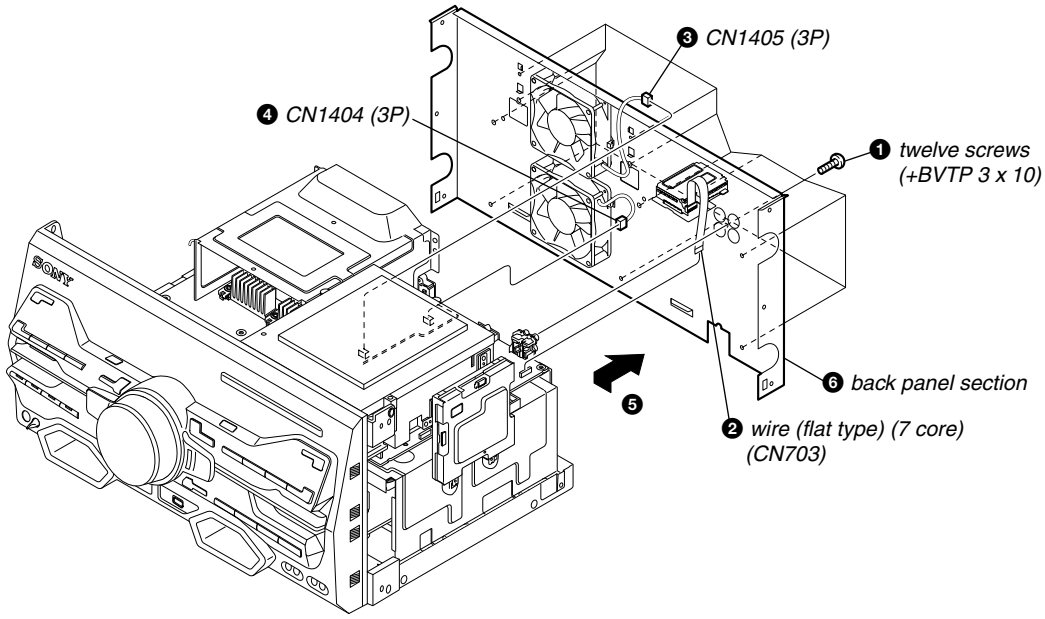


Note: Follow the disassembly procedure in the numerical order given.

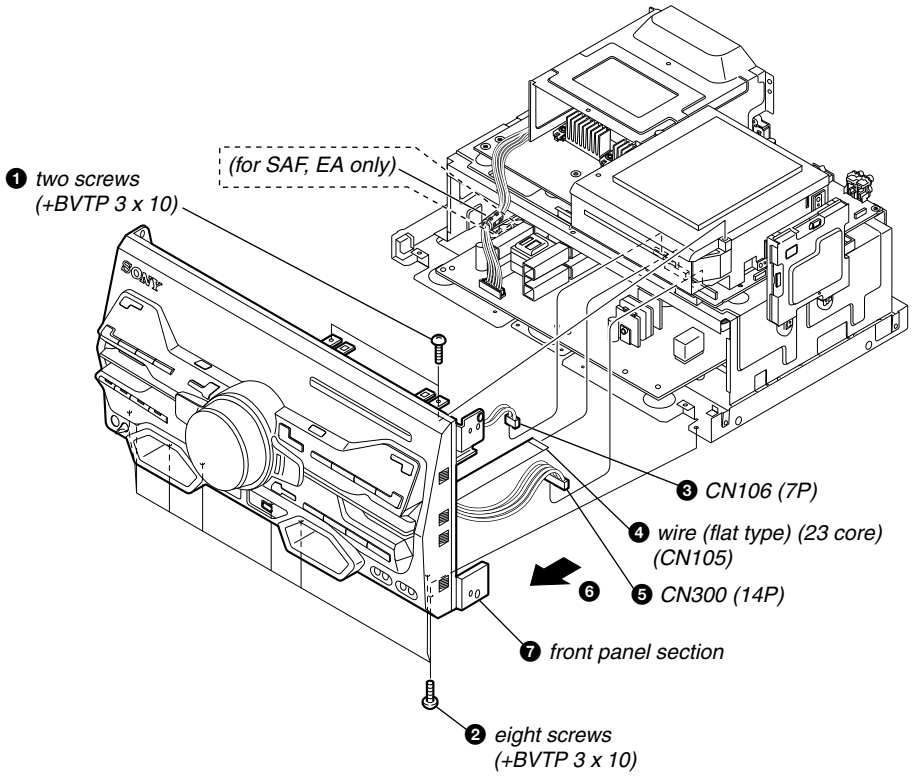
2-1. SIDE PANEL A, SIDE PANEL B AND TOP PANEL SECTION



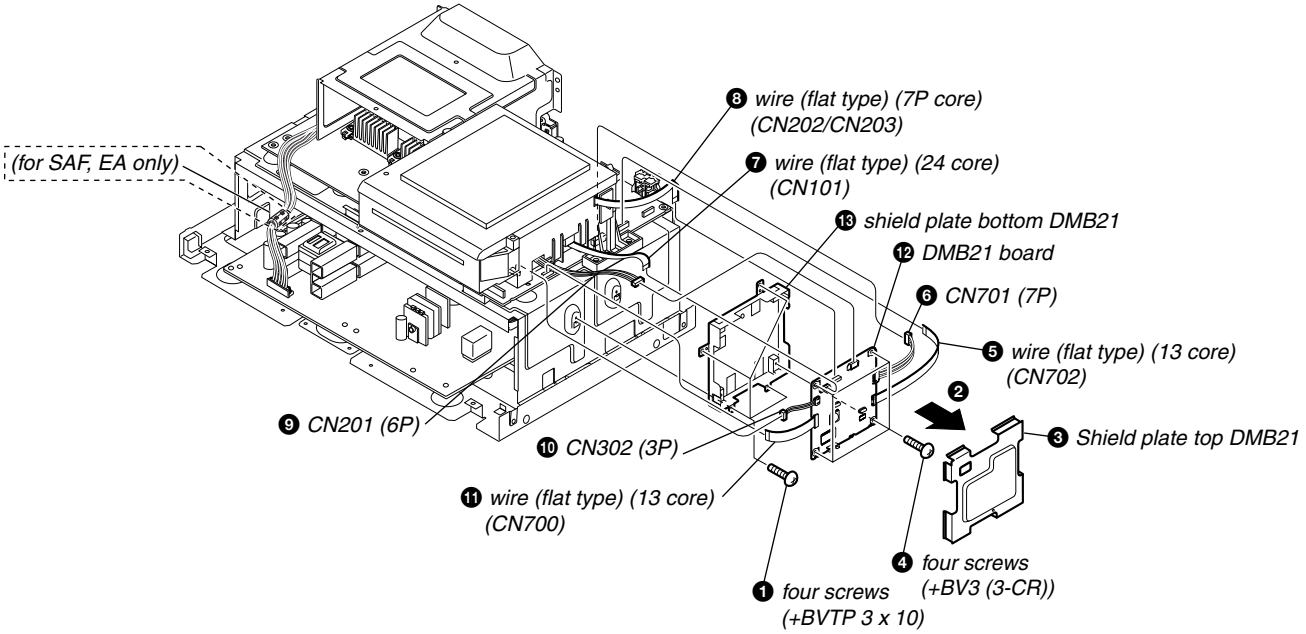
2-2. BACK PANEL SECTION



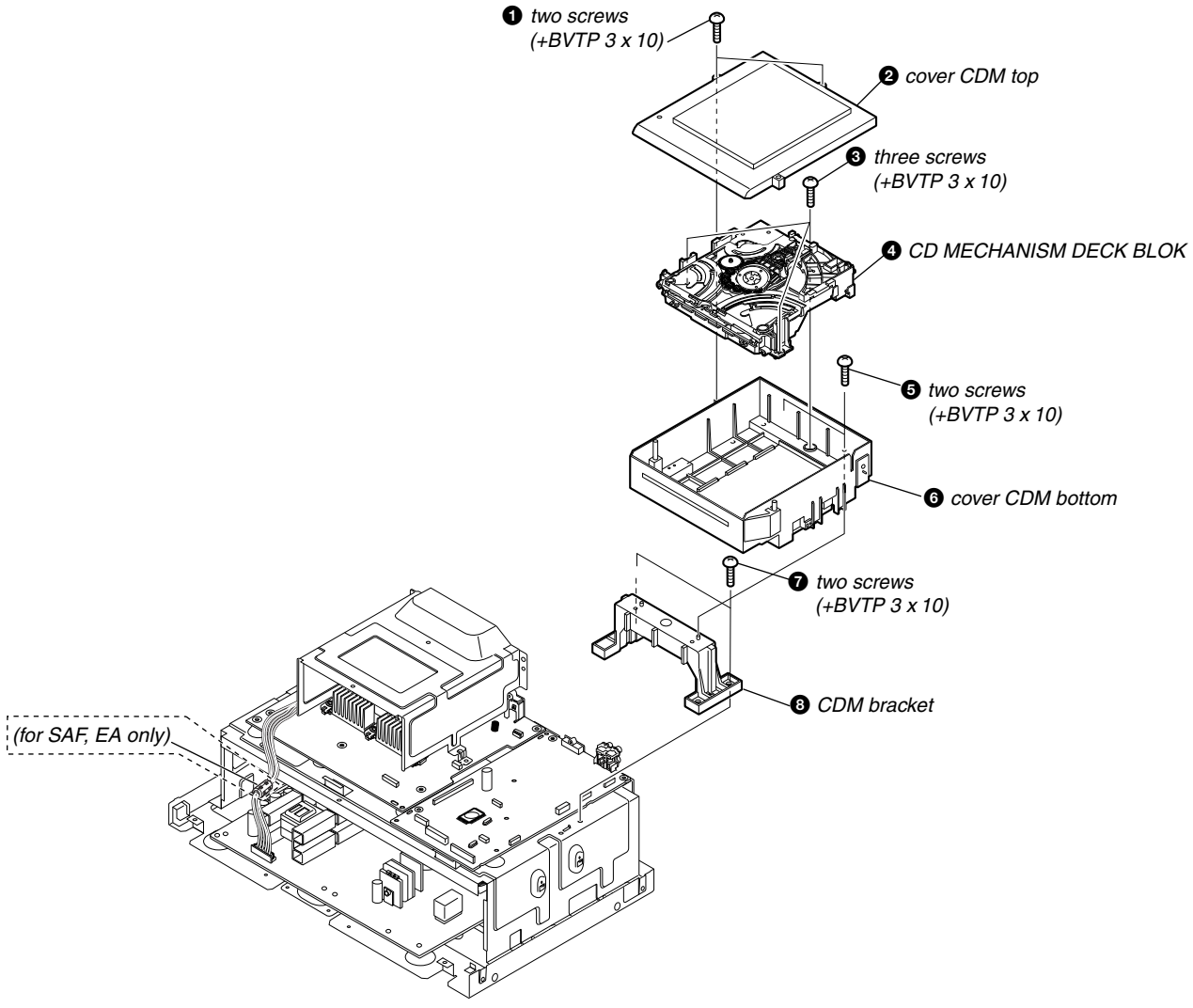
2-3. FRONT PANEL SECTION



2-4. DMB21 BOARD

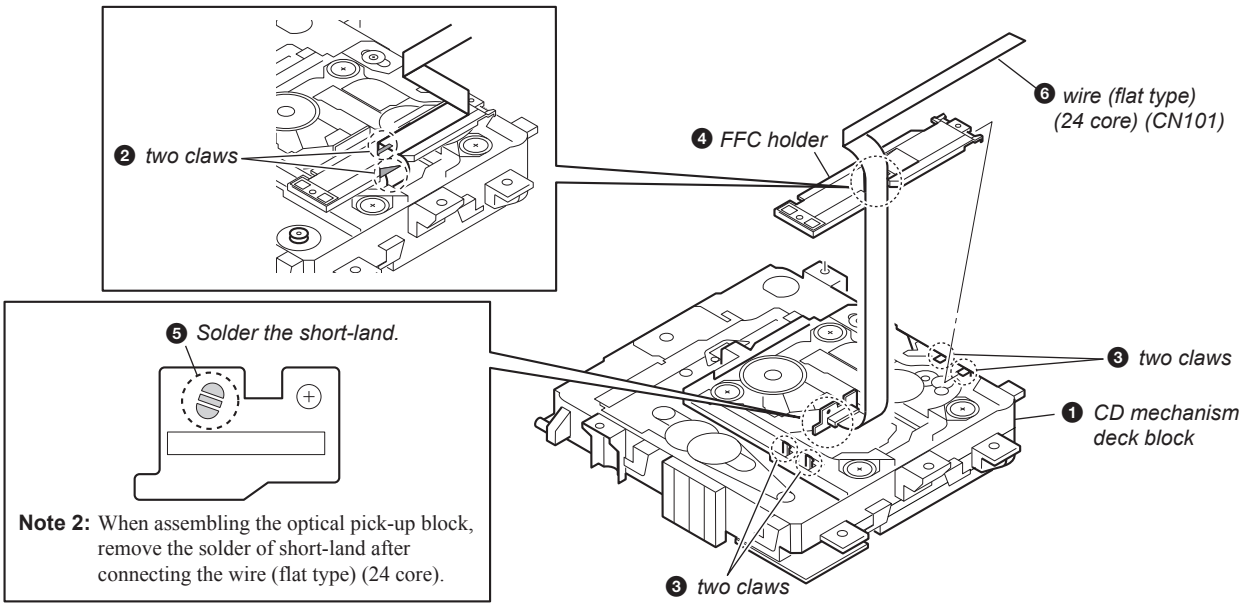


2-5. CDM SECTION



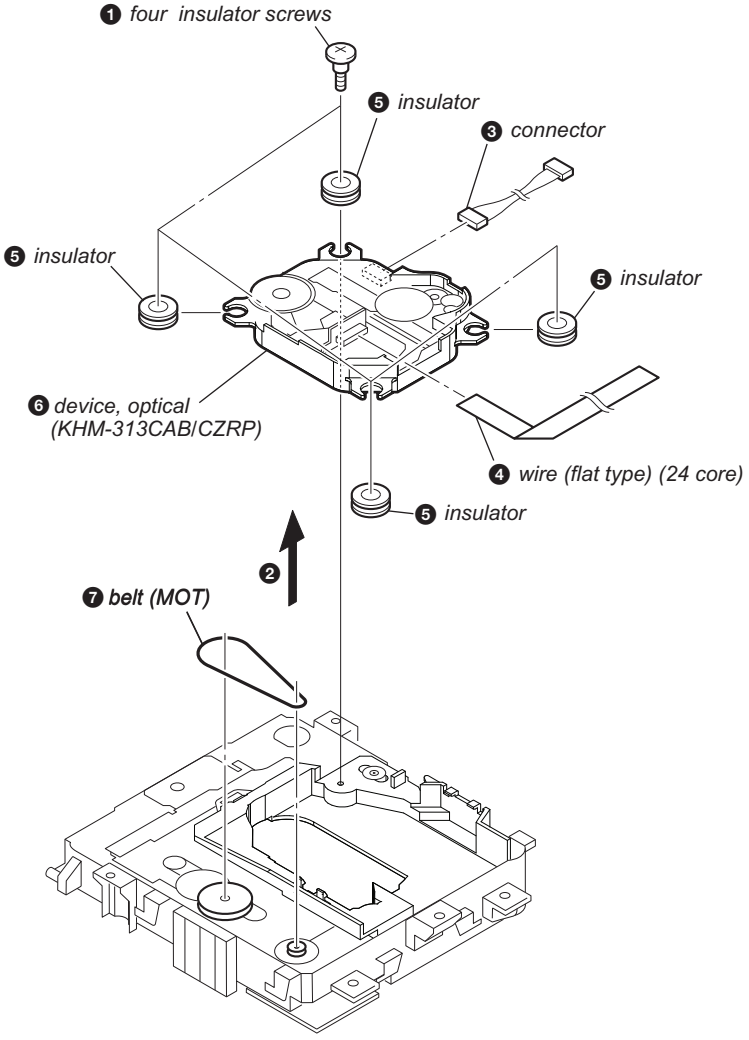
2-6. CD MECHANISM DECK BLOCK (1)

Note 1 : Before disconnecting the wire (flat type) (24 core) of optical pick-up block, solder the short-land.



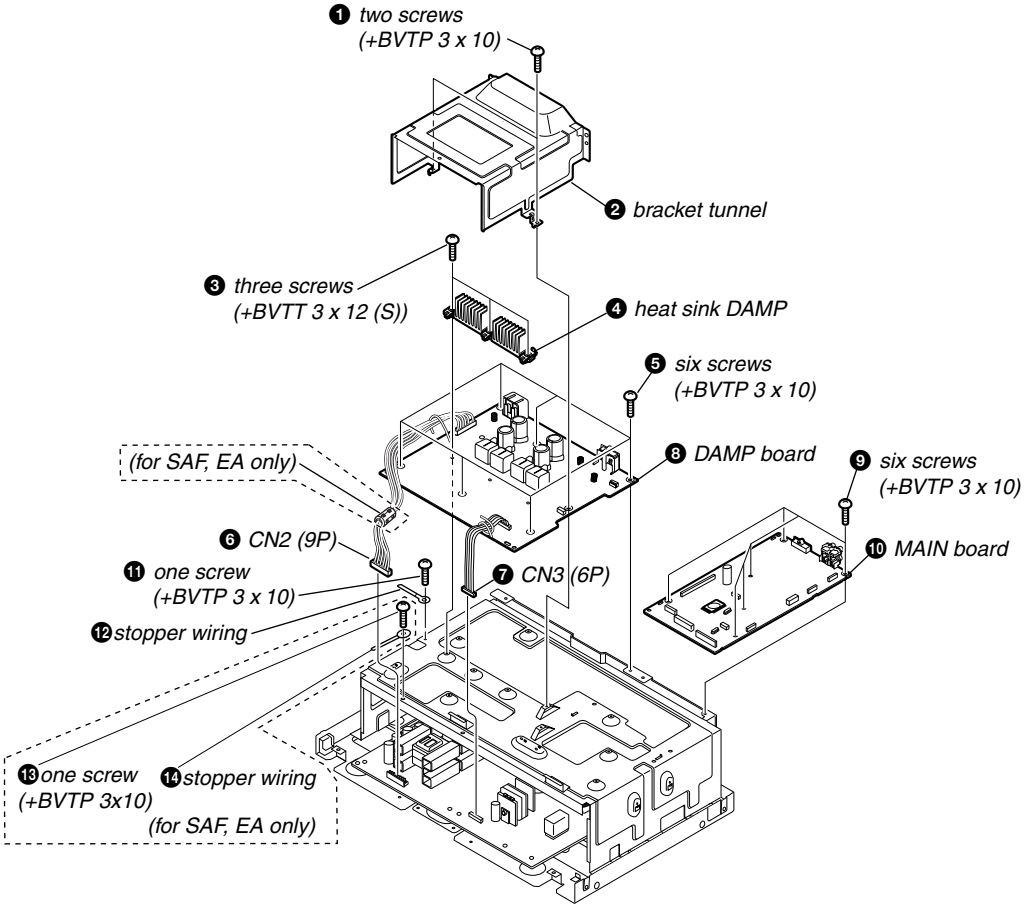
– CD mechanism deck block bottom view –

2-7. CD MECHANISM DECK BLOCK (2)

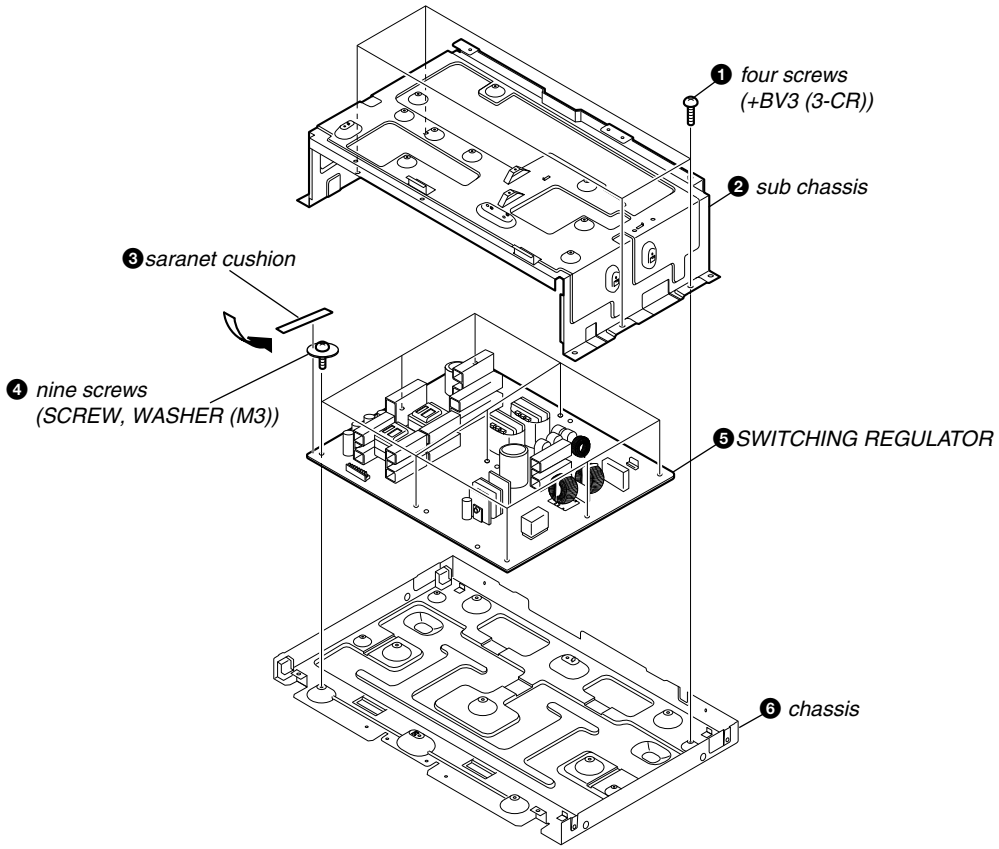


– CD mechanism deck block bottom view –

2-8. DAMP BOARD, MAIN BOARD



2-9. SWITCHING REGULATOR



SECTION 3
TEST MODE

PANEL TEST MODE

This mode is used to check the fluorescent indicator tube, LEDs, keys, [MASTER VOLUME] jog, model, destination and software version.

Procedure:

1. Press [SEARCH] button and [OPTIONS] button simultaneously and hold 3 seconds.
2. All LEDs and segments in fluorescent indicator tube will light up.
3. When you want to enter to the software version display mode, press [FLANGER] button. The model information appears on the fluorescent indicator tube. Press [FLANGER] button again to view the destination information.
4. During the destination information display, press [FLANGER] button. Each time [FLANGER] button is pressed, the fluorescent indicator tube shows the version of each category software in the following sequence: SC, MTK (DMB Board firmware version), UI, PF, SYS, CD, CDMA, CDMB, ST, TA, TAS, TM and return back to model information display.
5. When [SEARCH] button is pressed while the version numbers are being displayed except model and destination, the date of the software creation appears. When [SEARCH] button is pressed again, the display returns to the software version display.
6. Press [ISOLATOR] button, the key check mode is activated.
7. In the key check mode, the fluorescent indicator tube displays "K 0 V0". Each time a button is pressed, "K" value increases. However, once a button has been pressed, it is no longer taken into account.
   "V" value increases in the manner of 0, 1, 2, 3 ... if [MASTER VOLUME] knob is turned clockwise, or it decreases in the manner of 0, 9, 8, 7 ... if [MASTER VOLUME] knob is turned counterclockwise.
8. When [SOUND FLASH] button is pressed after all LEDs and segments in fluorescent indicator tube light up, alternate segments in fluorescent indicator tube and LEDs would light up. If you press [SOUND FLASH] button again, another half of alternate segments in fluorescent indicator tube and LEDs would light up. Pressing [SOUND FLASH] button again would cause all segments in fluorescent indicator tube and LEDs light OFF. Pressing [SOUND FLASH] button again would cause all segments in fluorescent indicator tube and all LEDs light up.
9. To release from this mode, press the [SEARCH] button and [OPTIONS] button in the same manner as step 1, or disconnect the power cord.

COMMON TEST MODE

This mode is used to check operations of the Amplifier section.

Procedure:

To enter Common Test Mode

1. Press [USB/USB SELECT] button and [PRESET EQ] button simultaneously and hold for 3 seconds.
2. The upper segments of fluorescent indicator tube will blink. The function is changed to TV and the volume is changed to VOLUME MIN.

Check of Amplifier

1. Press [PRESET EQ] button repeatedly until a message "GEQ MAX" appears on the fluorescent indicator tube. GEQ increases to its maximum.
2. Press [PRESET EQ] button repeatedly until a message "GEQ MIN" appears on the fluorescent indicator tube. GEQ decreases to its minimum.
3. Press [PRESET EQ] button repeatedly until a message "GEQ FLAT" appears on the fluorescent indicator tube. GEQ is set to flat.
4. When the [MASTER VOLUME] knob is turned clockwise even slightly, the sound volume increases to its maximum and a message "VOLUME MAX" appears on the fluorescent indicator tube.
5. When the [MASTER VOLUME] knob is turned counterclockwise even slightly, the sound volume decreases to its minimum and a message "VOLUME MIN" appears on the fluorescent indicator tube.

To release from Common Test mode

1. To release from this mode, press [I/⏻] button.
2. The cold reset is enforced at the same time.

COLD RESET

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

Procedure:

1. Press [I/⏻] button to turn on the system.
2. Press [■] button and [I/⏻] button simultaneously for 3 seconds.
3. "COLD RESET" appears on the fluorescent indicator tube. After that, the fluorescent indicator tube becomes blank for a while, and the system is reset.

TUNER STEP CHANGE

The step interval of AM channels can be toggled between 9 kHz and 10 kHz. This mode is not available for Saudi Arabian, European and Russian models.

Procedure:

1. Press [I/⏻] button to turn on the system.
2. Press [FUNCTION] button repeatedly to select the "AM".
3. Press [I/⏻] button to turn off the system.
4. Press [ENTER] button and [I/⏻] button simultaneously. The system turns on automatically. The message "AM 9K STEP" or "AM 10K STEP" appears on the fluorescent indicator tube and thus the channel step is changed.

CD SHIP MODE (WITH MEMORY CLEAR)

This mode moves the optical pick-up to the position durable to vibration and clears all data including preset data stored in the data flash to initial conditions during the next AC-In. Use this mode when returning the set to the customer after repair.

Procedure:

1. Press [I/⏻] button to turn on the system.
2. Select CD function and without dics inserted.
3. Press [EJECT] button and [I/⏻] button simultaneously for 3 seconds. The system turns off automatically.
4. A message "MECHA LOCK" is displayed on the fluorescent indicator tube and the CD ship mode is set.

CD SHIP MODE (WITHOUT MEMORY CLEAR)

This mode moves the optical pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.

Procedure:

5. Press [I/⏻] button to turn on the system.
6. Select CD function and without dics inserted.
7. Press [CD] button and [I/⏻] button simultaneously. The system turns off automatically.
8. A message "MECHA LOCK" is displayed on the fluorescent indicator tube and the CD ship mode is set.

DISC THEFT PREVENTION MODE

This mode let prevent disc to be ejected. When this mode is activated, the disc will not eject when [EJECT] button is pressed. The message "LOCKED" will be displayed on the fluorescent indicator tube. This mode only applied when there is disc.

Procedure:

1. Press [I/⏻] button to turn on the system.
2. Select CD function.
3. Press [PLAY/PAUSE] button and [EJECT] button simultaneously for 3 seconds. The message "LOCKED" or "UNLOCKED" displayed on the fluorescent indicator tube.

FACTORY PRESET

This mode is use to load all the factory use preset frequencies into FM 1-FM 20 and AM 1-AM 10. Originally, frequency of FM 1-FM 20 and AM 1-AM10 are set to the minimum frequency.

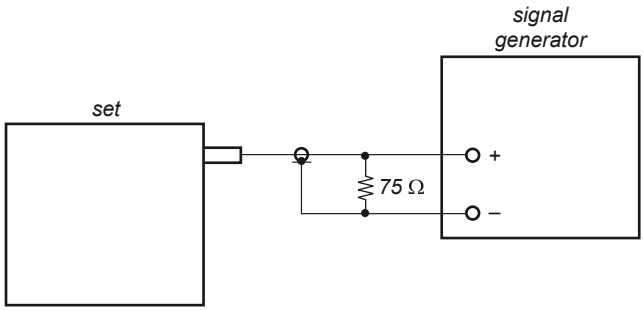
Procedure:

1. Press [I/⏻] button to turn on the system.
2. Press [SEARCH] button and [TUNER/BAND] button simultaneously and hold for 3 seconds, message "FACTORY" appears on the fluorescent indicator tube. The function is changed to TUNER automatically.

SECTION 4
ELECTRICAL CHECK

TUNER SECTION | 0 dB = 1 μV

FM AUTO STOP CHECK



Procedure:

1. Turn the power on.
2. Input the following signal from Signal Generator to FM antenna input directly.

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

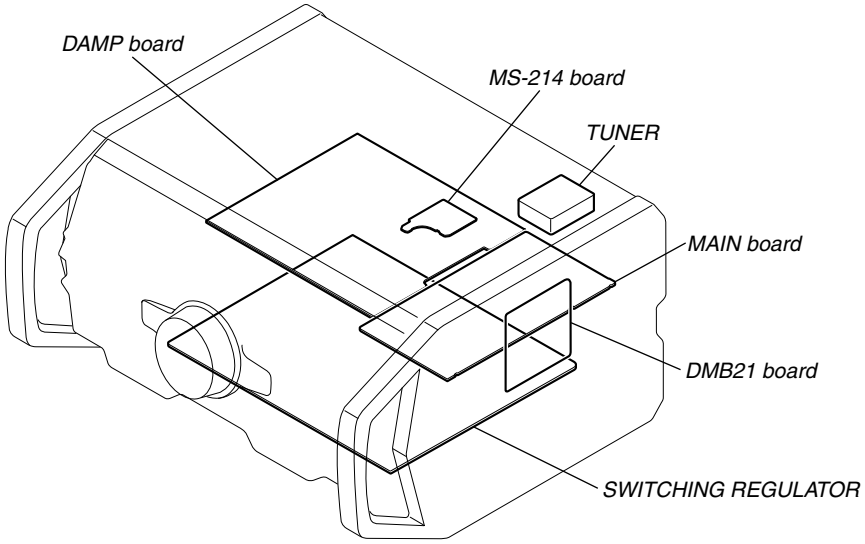
Note: Please use 75 ohm "coaxial cable" to connect SG and the set. You cannot use video cable for checking.
Please use SG whose output impedance is 75 ohm.

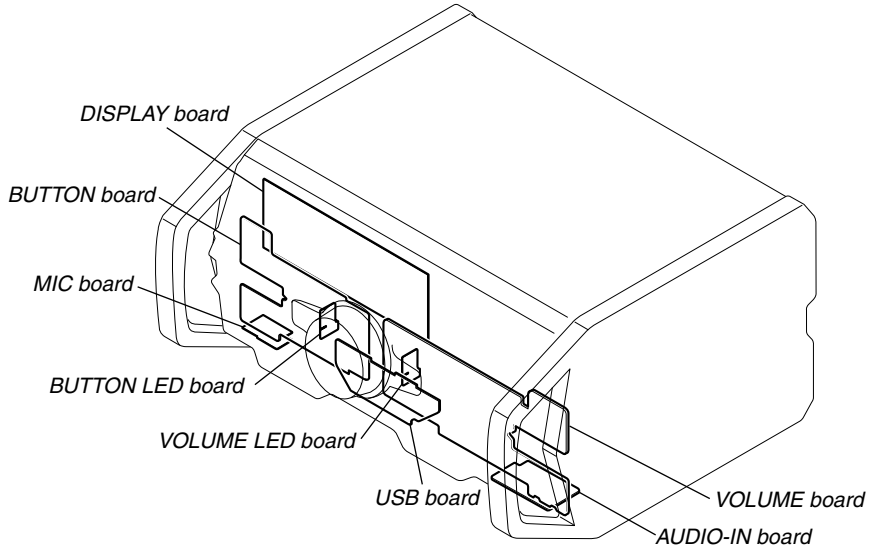
3. Set to FM tuner function and scan the input FM signal with automatic scanning.
4. Confirm that input Frequency of A, B and C detected and automatic scanning stops.

The stop of automatic scanning means "The station signal is received in good condition".

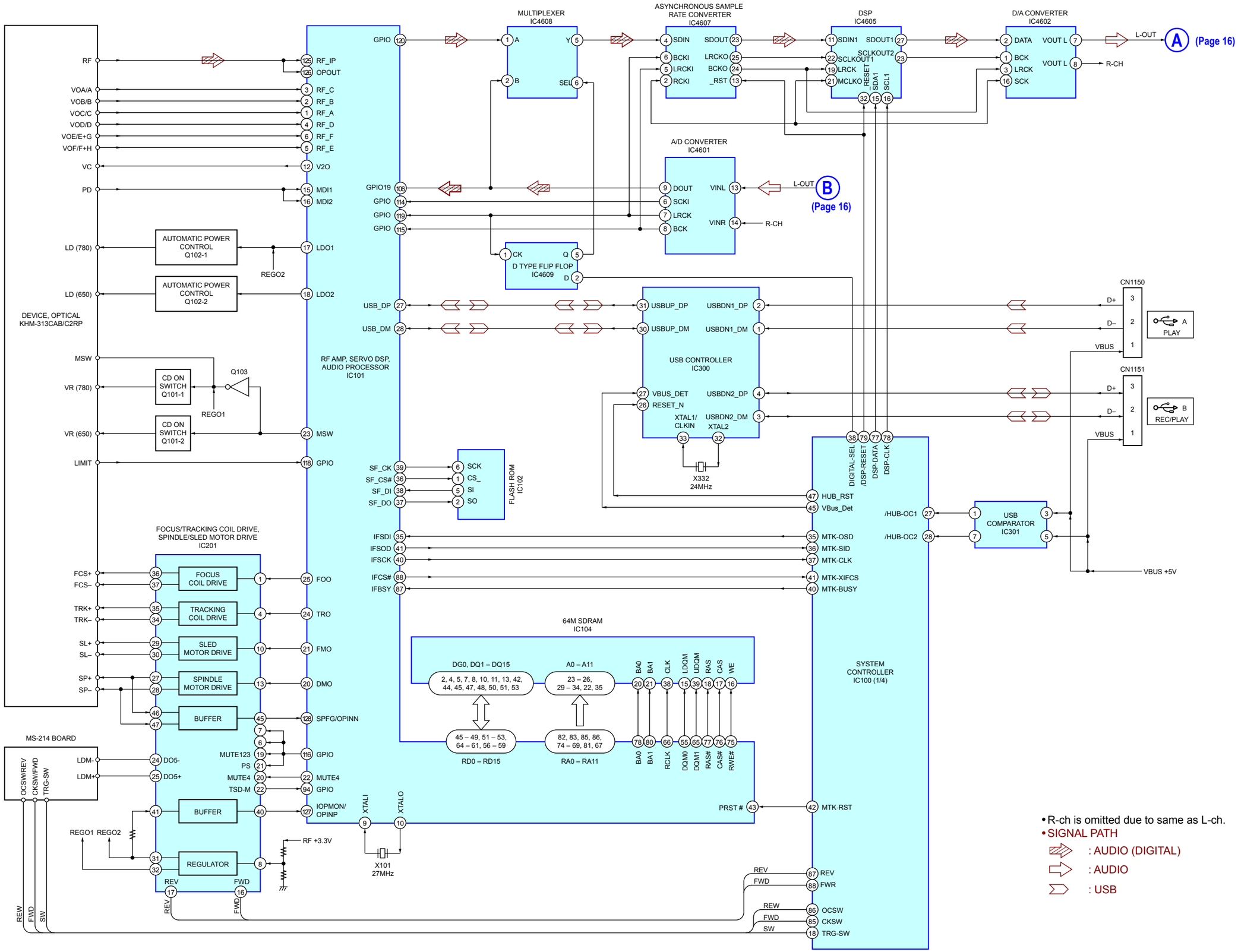
SECTION 5
DIAGRAMS

- **Circuit Boards Location**

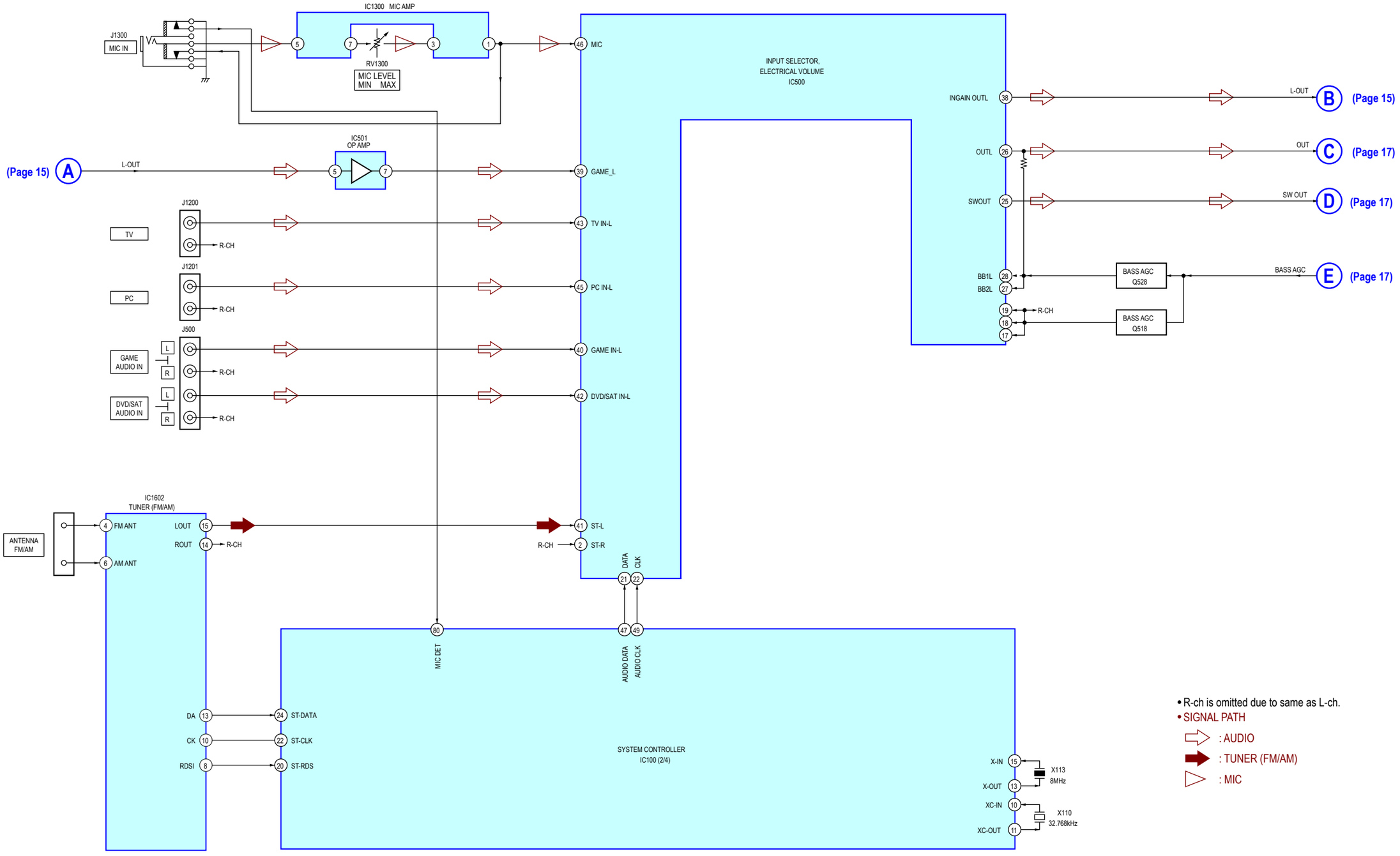




5-1. BLOCK DIAGRAM – RS SERVO, USB Section –

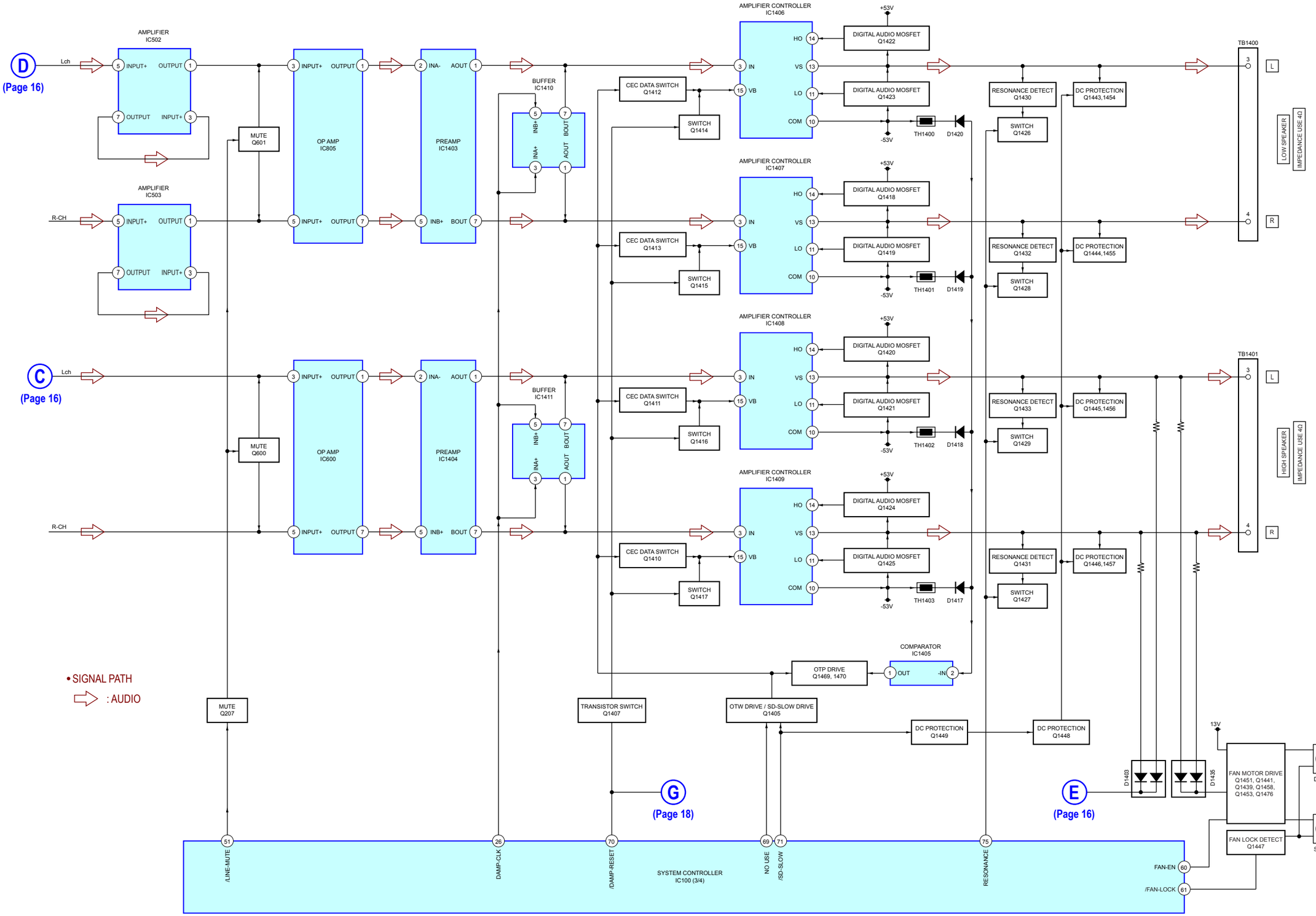


5-2. BLOCK DIAGRAM – MAIN Section –

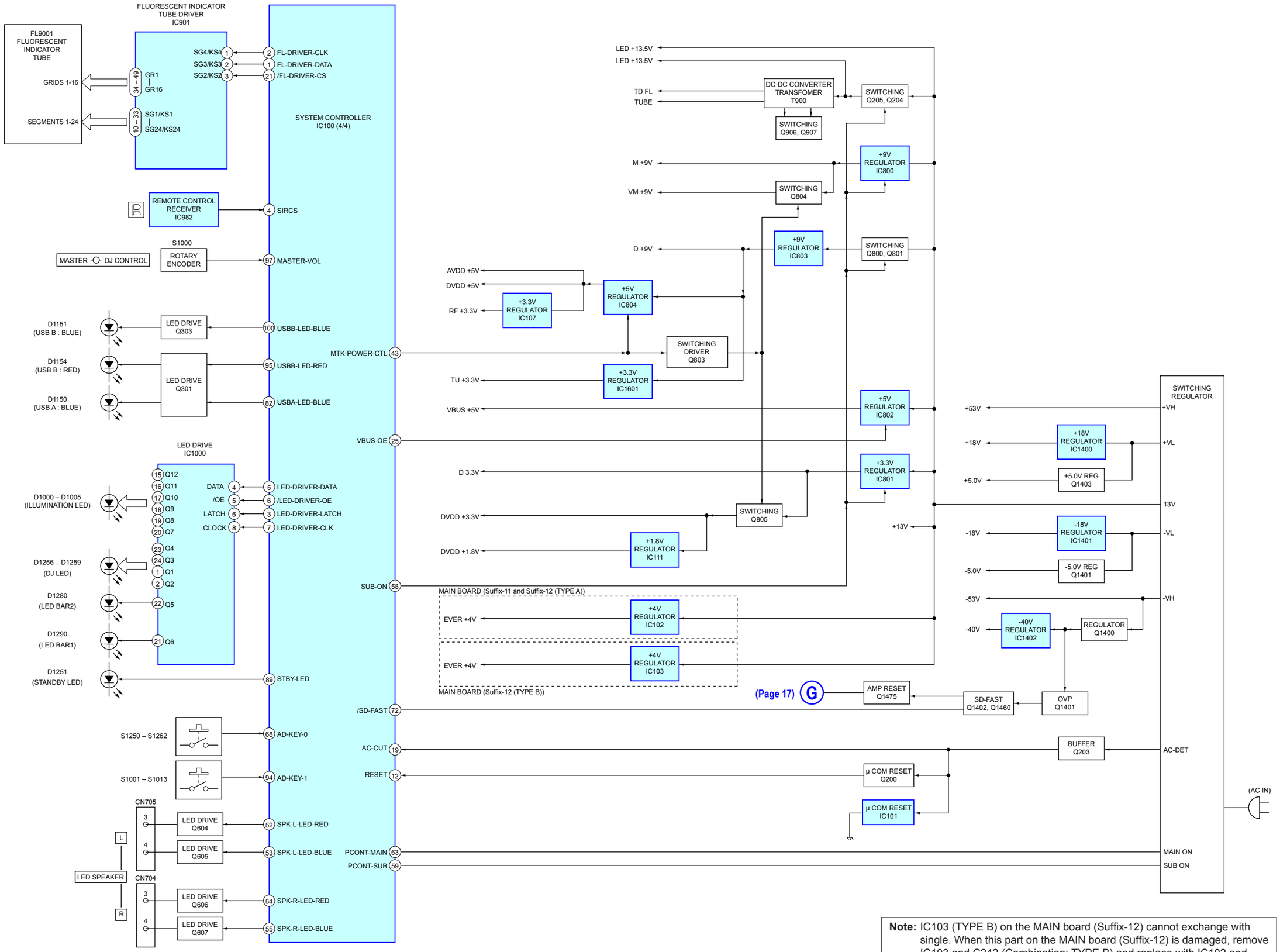


- R-ch is omitted due to same as L-ch.
- SIGNAL PATH
  - : AUDIO
  - : TUNER (FM/AM)
  - : MIC

5-3. BLOCK DIAGRAM – AMP Section –



5-4. BLOCK DIAGRAM – PANEL, POWER SUPPLY Section –



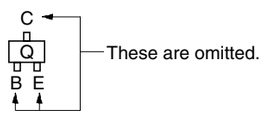
Note: IC103 (TYPE B) on the MAIN board (Suffix-12) cannot exchange with single. When this part on the MAIN board (Suffix-12) is damaged, remove IC103 and C242 (Combination: TYPE B) and replace with IC102 and C239 (Combination: TYPE A).

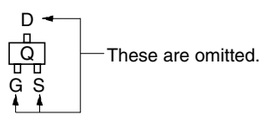
• Note for Printed Wiring Boards and Schematic Diagrams

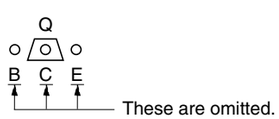
Note on Printed Wiring Board:
- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ▬ : Pattern from the side which enables seeing.
  (The other layer's patterns are not indicated.)

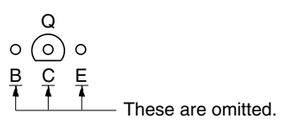
Caution:
Pattern face side: (Conductor Side) Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side) Parts on the parts face side seen from the parts face are indicated.

- Indication of transistor









- Abbreviation
  E2 : 120 V AC area in E model
  E51 : Chilean and Peruvian models
  EA : Saudi Arabia model
  MX : Mexican model
  MY : Malaysia model
  SAF : South African model

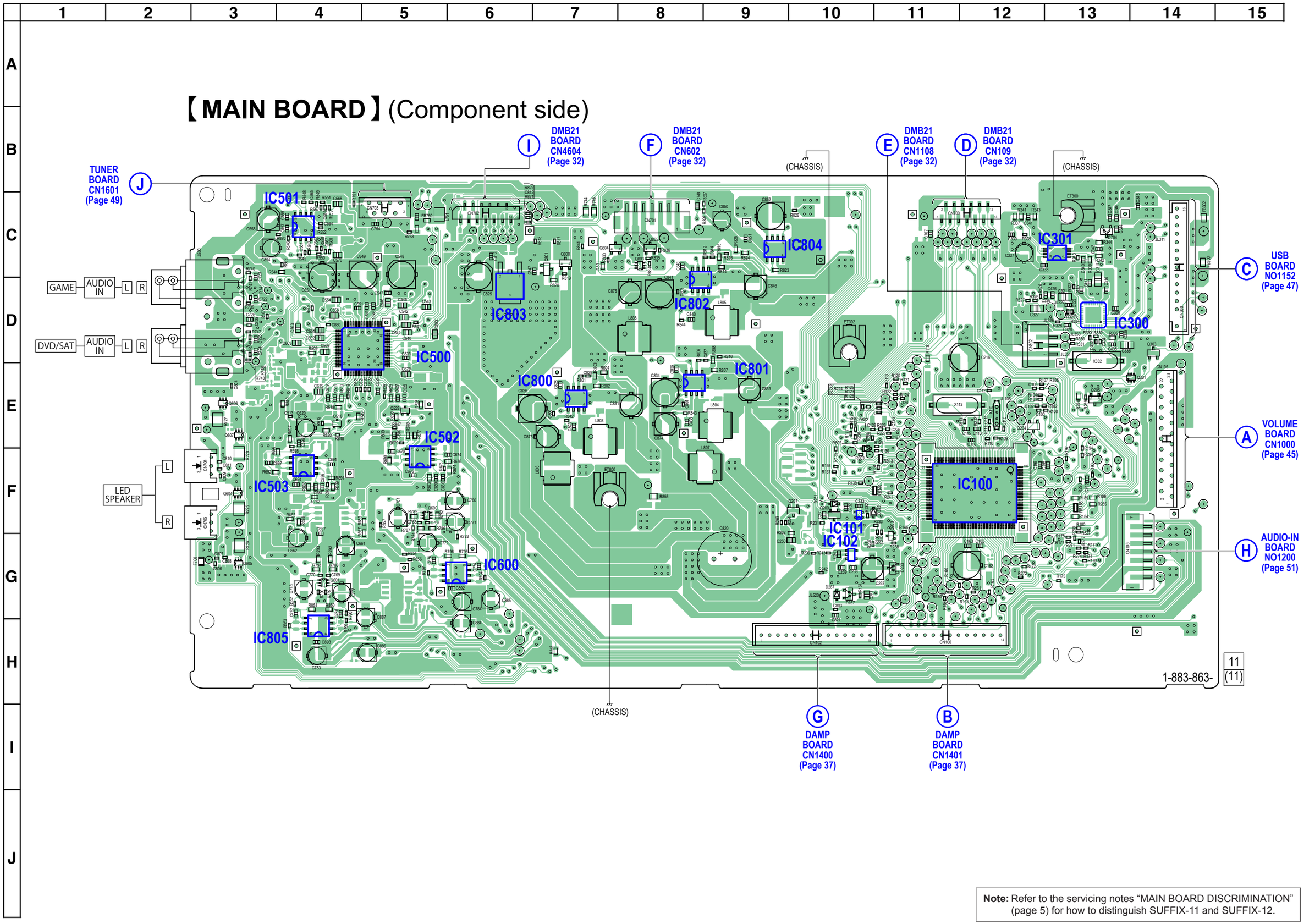
Note on Schematic Diagram:
- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ⊣▭⊢ : nonflammable resistor.
- ▭ : panel designation.

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

- ▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : TUNER
  < > : CD PLAY
  * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : AUDIO
  Σ : USB
  ➡ : TUNER
  ⇨ : AUDIO (DIGITAL)

- Abbreviation
  E2 : 120 V AC area in E model
  E51 : Chilean and Peruvian models
  EA : Saudi Arabia model
  MX : Mexican model
  MY : Malaysia model
  SAF : South African model

5-5. PRINTED WIRING BOARDS – MAIN BOARD (Component Side) (Suffix-11) – • See page 14 for Circuit Boards Location. • : Uses unleaded solder.

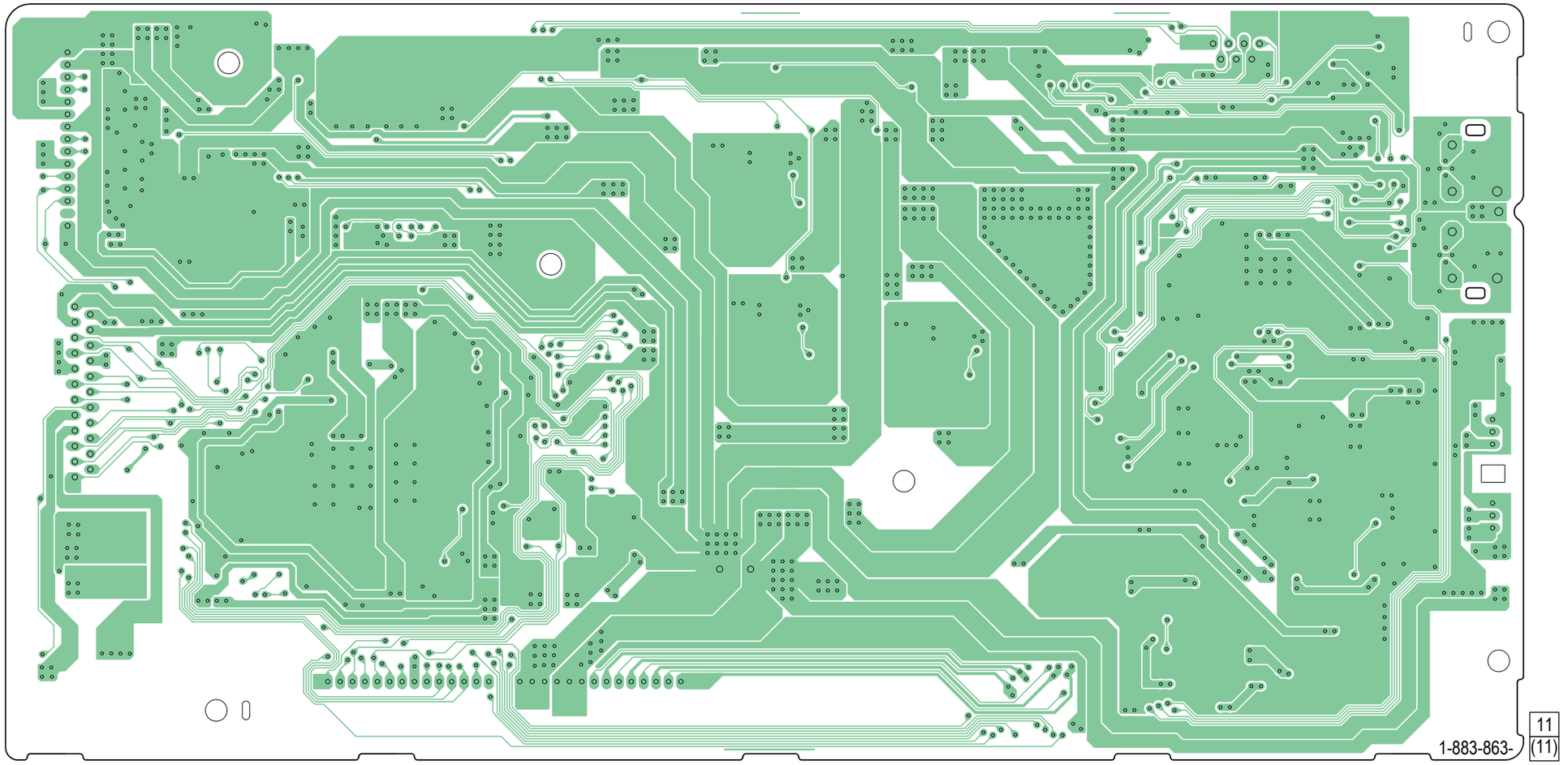


Note: Refer to the servicing notes “MAIN BOARD DISCRIMINATION” (page 5) for how to distinguish SUFFIX-11 and SUFFIX-12.

5-6. PRINTED WIRING BOARDS – MAIN BOARD (Conductor Side) (Suffix-11) – • See page 14 for Circuit Boards Location. • : Uses unleaded solder.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A															
B															
C															
D															
E															
F															
G															
H															
I															
J															

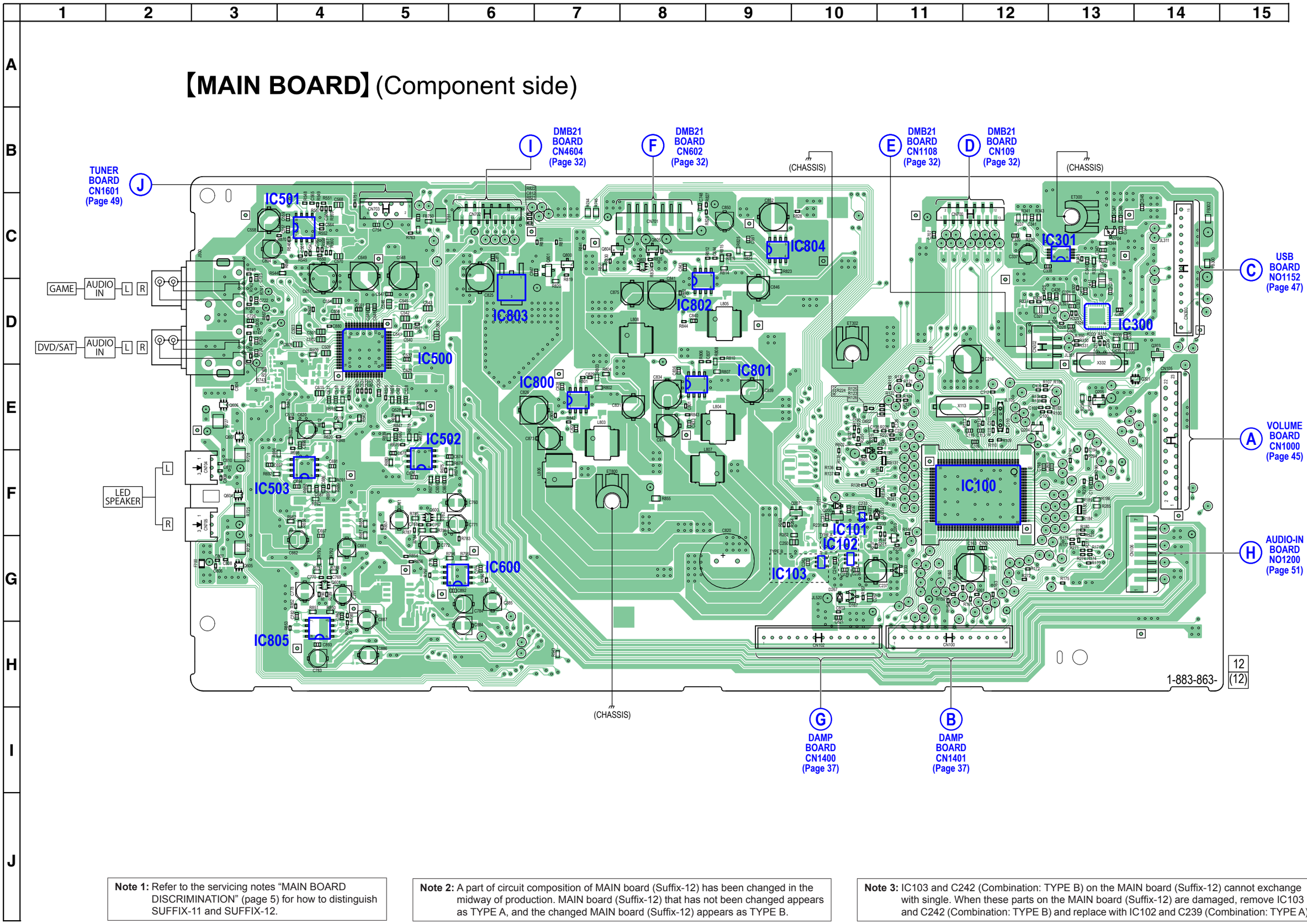
【MAIN BOARD】(Conductor side)



Note: Refer to the servicing notes “MAIN BOARD DISCRIMINATION” (page 5) for how to distinguish SUFFIX-11 and SUFFIX-12.

5-7. PRINTED WIRING BOARDS – MAIN BOARD (Component Side) (Suffix-12) – • See page 14 for Circuit Boards Location. • : Uses unleaded solder.

【MAIN BOARD】(Component side)



Note 1: Refer to the servicing notes “MAIN BOARD DISCRIMINATION” (page 5) for how to distinguish SUFFIX-11 and SUFFIX-12.

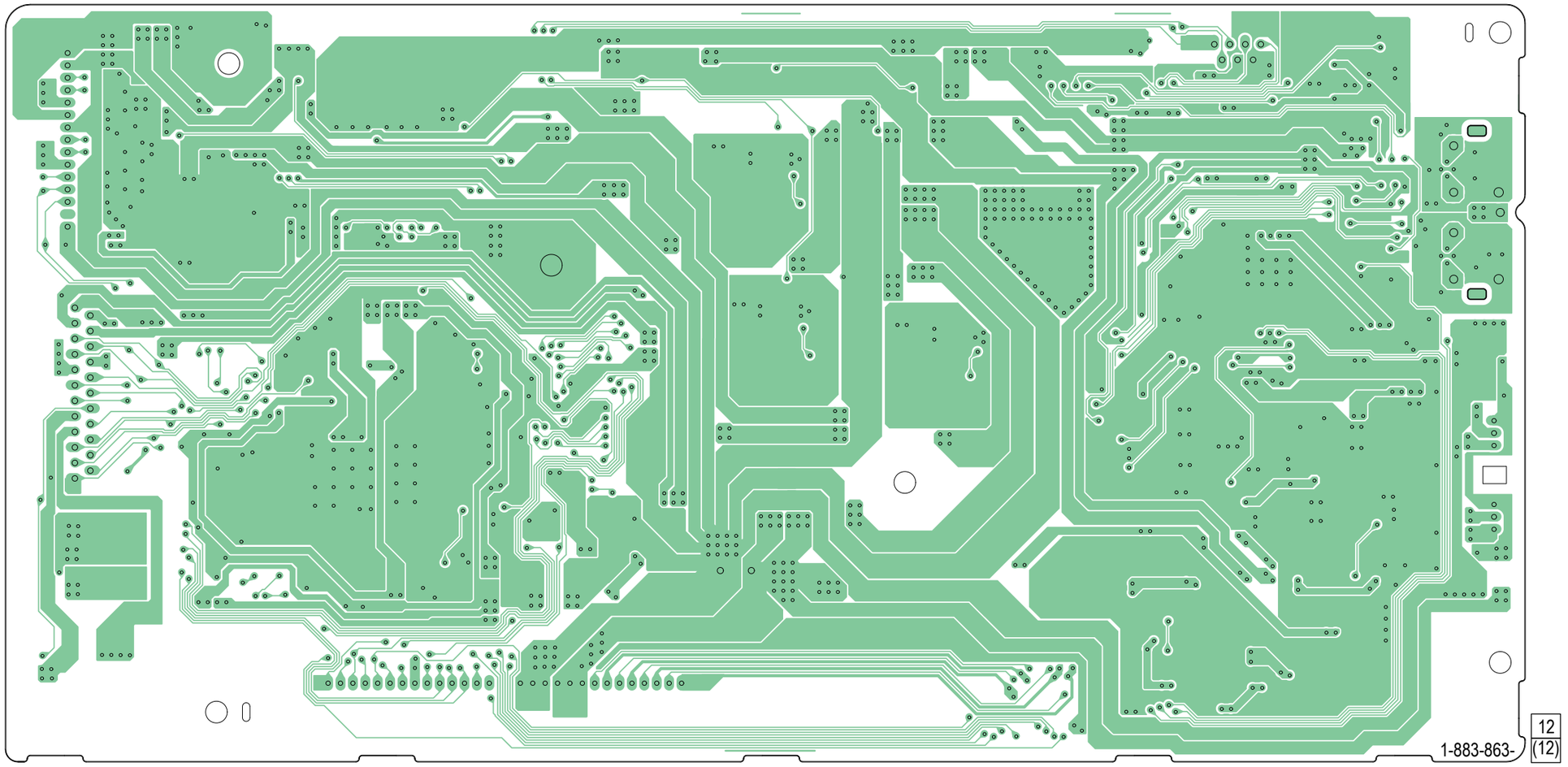
Note 2: A part of circuit composition of MAIN board (Suffix-12) has been changed in the midway of production. MAIN board (Suffix-12) that has not been changed appears as TYPE A, and the changed MAIN board (Suffix-12) appears as TYPE B.

Note 3: IC103 and C242 (Combination: TYPE B) on the MAIN board (Suffix-12) cannot exchange with single. When these parts on the MAIN board (Suffix-12) are damaged, remove IC103 and C242 (Combination: TYPE B) and replace with IC102 and C239 (Combination: TYPE A).

5-8. PRINTED WIRING BOARDS – MAIN BOARD (Conductor Side) (Suffix-12) – • See page 14 for Circuit Boards Location. • : Uses unleaded solder.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A															
B															
C															
D															
E															
F															
G															
H															
I															
J															

【MAIN BOARD】(Conductor side)

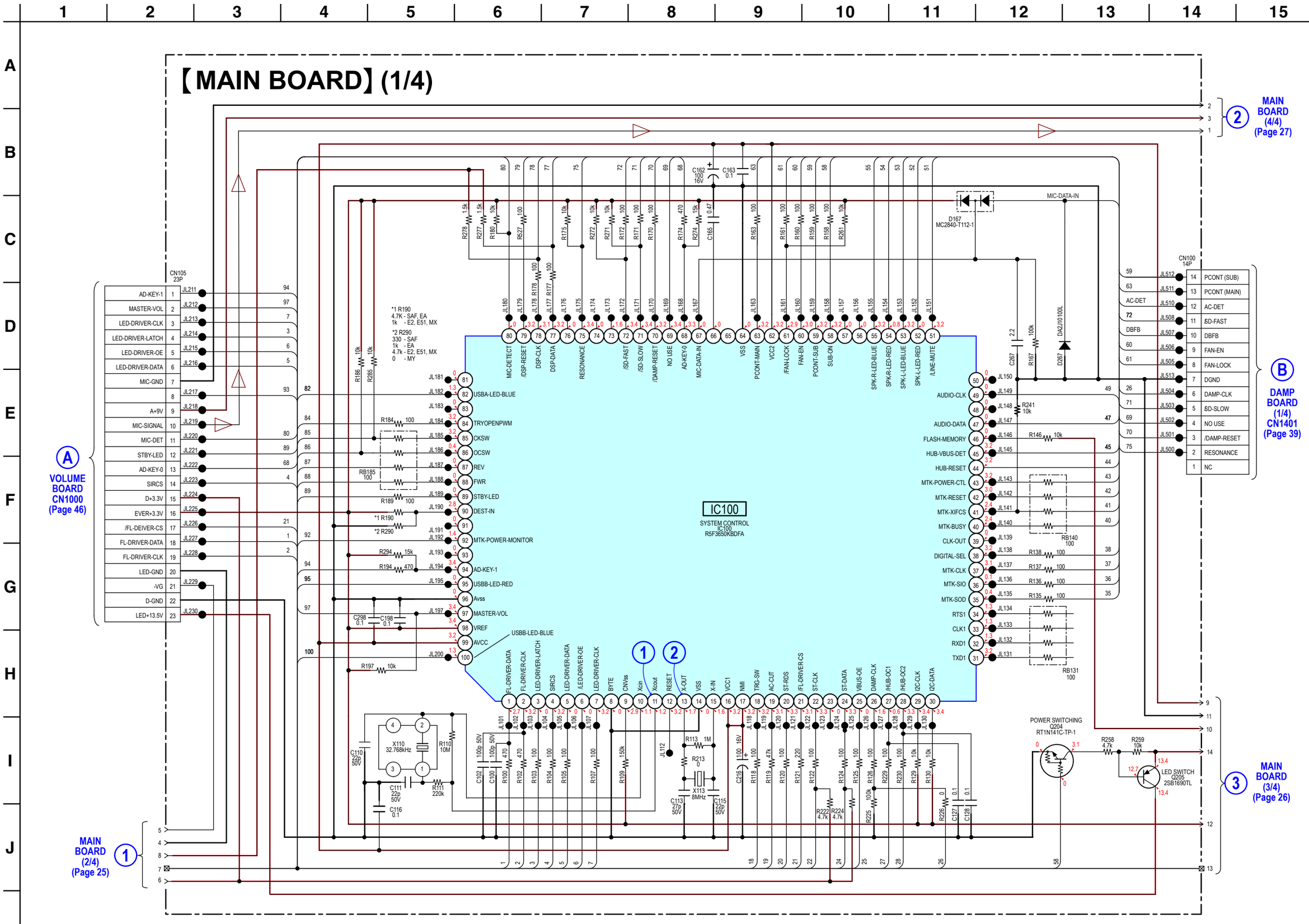


Note: Refer to the servicing notes “MAIN BOARD DISCRIMINATION” (page 5) for how to distinguish SUFFIX-11 and SUFFIX-12.

5-9. SCHEMATIC DIAGRAM – MAIN BOARD (1/4) (Suffix 11) –

• See page 53 for Waveforms. • See page 61 for IC Pin Function Descriptions.

【MAIN BOARD】(1/4)



5-10. SCHEMATIC DIAGRAM – MAIN BOARD (2/4) (Suffix 11) – • See page 53 for Waveforms. • See page 54 for IC Block Diagrams.

【MAIN BOARD】(2/4)

MAIN BOARD (1/4) (Page 24) ①

④ MAIN BOARD (3/4) (Page 26)

USB BOARD NO1152 (Page 48) Ⓒ

DMB21 BOARD (2/3) CN109 (Page 35) Ⓓ

Ⓔ DMB21 BOARD (2/3) CN1108 (Page 35)

⑤ MAIN BOARD (4/4) (Page 27)

Ⓕ DMB21 BOARD (1/3) CN602 (Page 34)

CN300 14P: LED13.5V, USBA-LED-BLUE, USBB-LED-RED, USBB-LED-BLUE, USB A+5V, D-A, D+A, USB A GND, SHIELD, USB B+5V, D-B, D+B, USB B GND, SHIELD

CN700 13P: TRG-SW, TROPENPWM, CKSW, OCSW, REV, FWD, IFSCK, DGND, IFSD, IFSDI, XSYSRST, XIBSY, XIFCS

CN302 3P: SHIELD, USBP, USBM

CN701 7P: VM (9V), MGND, DVDD3.3V, DGND, DVDD5V, AVDD5V

IC B/D

IC301 USB COMPARATOR NJM2903V(TE2)

IC300 USB CONTROLER USB2512B-AEZG

IC804 +5V REG BD00GC0WEFJ-E2

Q201 LED DRIVE RT3N3DMA-TI11-1

Q303 LED DRIVE RT1N141C-TP-1

Q207 MUTING RT1P141C-TP-1

Q803 POWER CONTROL SWITCH RT3N77M-TP-1

Q804 POWER CONTROL DRIVER 2SB1690TL

Q805 POWER CONTROL DRIVER 2SB1690TL

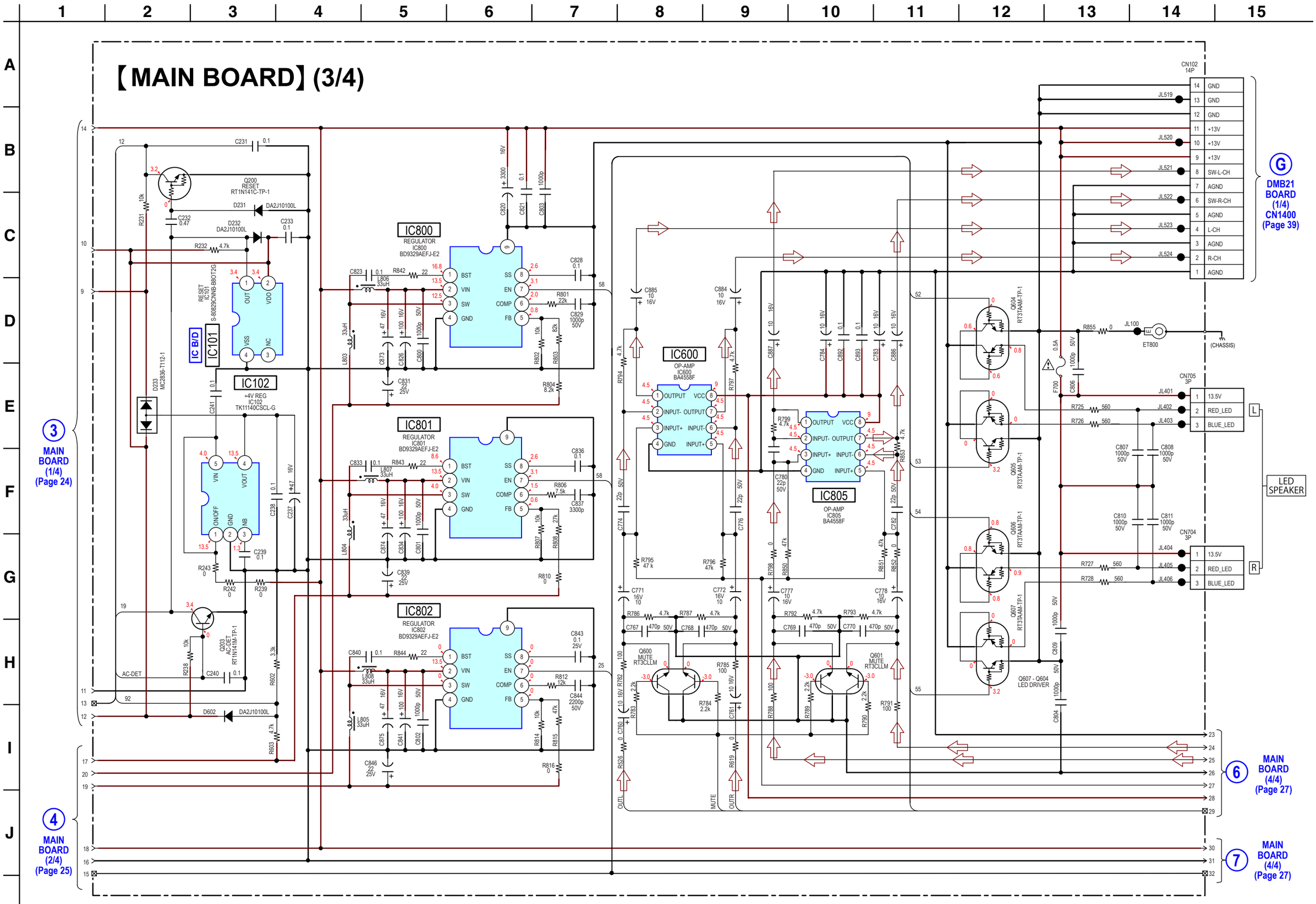
D704 MC2840-T112-1

ET300 (CHASSIS)

ET302 (CHASSIS)

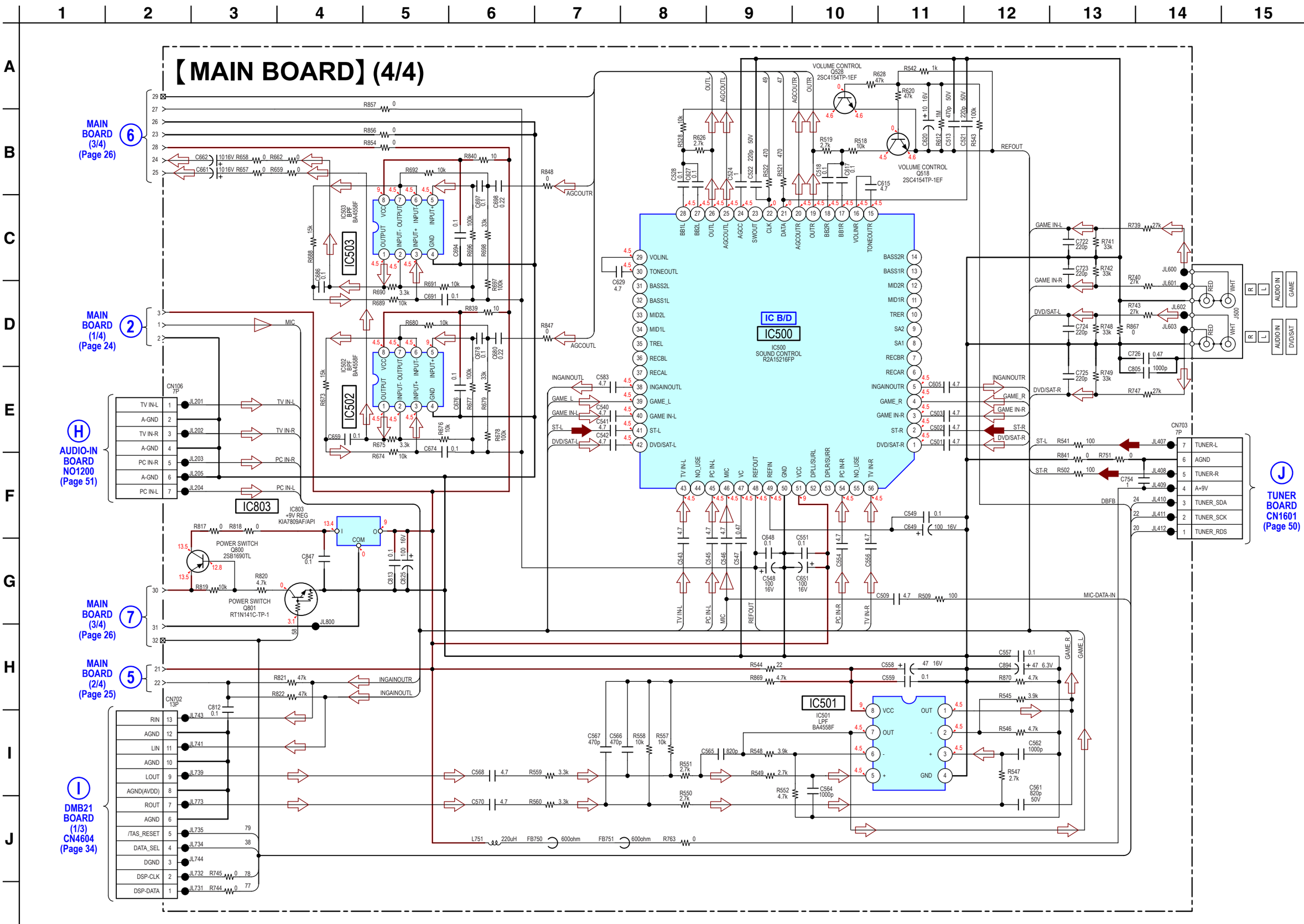
MUTE

5-11. SCHEMATIC DIAGRAM – MAIN BOARD (3/4) (Suffix 11) – • See page 54 for IC Block Diagrams.



5-12. SCHEMATIC DIAGRAM – MAIN BOARD (4/4) (Suffix 11) –

• See page 54 for IC Block Diagrams.



5-13. SCHEMATIC DIAGRAM – MAIN BOARD (1/4) (Suffix 12) –

• See page 53 for Waveforms. • See page 61 for IC Pin Function Descriptions.

【MAIN BOARD】(1/4)

IC100
SYSTEM CONTROL
IC100
R5F3650KBDFA

CN105 23P
AD-KEY-1 1 JL211
MASTER-VOL 2 JL212
LED-DRIVER-CLK 3 JL213
LED-DRIVER-LATCH 4 JL214
LED-DRIVER-OE 5 JL215
LED-DRIVER-DATA 6 JL216
MIC-GND 7
8 JL217
A+9V 9 JL218
MIC-SIGNAL 10 JL219
MIC-DET 11 JL220
STBY-LED 12 JL221
AD-KEY-0 13 JL222
SIRCS 14 JL223
D+3.3V 15 JL224
EVER+3.3V 16 JL225
/FL-DEIVER-CS 17 JL226
FL-DRIVER-DATA 18 JL227
FL-DRIVER-CLK 19 JL228
LED-GND 20
-VG 21 JL229
D-GND 22
LED+13.5V 23 JL230

*1 R190
4.7K - SAF, EA
1k - E2, E51, MX

*2 R290
330 - SAF
1k - EA
4.7k - E2, E51, MX
0 - MY

MIC-DETECT
/DSP-RESET
DSP-CLK
DSP-DATA
RESONANCE
/SD-FAST
/SD-SLOW
/DAMP-RESET
NO USE
AD-KEY-0
MIC-DATA-IN
VSS
PCONT-MAIN
VCC2
/FAN-LOCK
FAN-EN
PCONT-SUB
SUB-ON
SPK-R-LED-BLUE
SPK-R-LED-RED
SPK-L-LED-BLUE
SPK-L-LED-RED
/LINE-MUTE

USBA-LED-BLUE
TRYOPENPWM
CKSW
OCSW
REV
FWR
STBY-LED
DEST-IN
MTK-POWER-MONITOR
AD-KEY-1
USBB-LED-RED
Avss
MASTER-VOL
VREF
AVCC
USBB-LED-BLUE

FL-DRIVER-DATA
FL-DRIVER-CLK
LED-DRIVER-LATCH
SIRCS
LED-DRIVER-DATA
/LED-DRIVER-OE
LED-DRIVER-CLK
BYTE
CNVss
Xcin
Xcout
RESET
X-OUT
VSS
X-IN
VCC1
NMI
TRG-SW
AC-CUT
ST-RDS
/FL-DRIVER-CS
ST-CLK
ST-DATA
VBUS-OE
DAMP-CLK
/HUB-OC1
/HUB-OC2
I2C-CLK
I2C-DATA

AUDIO-CLK
AUDIO-DATA
FLASH-MEMORY
HUB-VBUS-DET
HUB-RESET
MTK-POWER-CTL
MTK-RESET
MTK-XIFCS
MTK-BUSY
CLK-OUT
DIGITAL-SEL
MTK-CLK
MTK-SIO
MTK-SOD
RTS1
CLK1
RXD1
TXD1

MIC-DATA-IN
D167 MC2840-T112-1
D267 DA2J10100L

CN100 14P
14 PCONT (SUB)
13 PCONT (MAIN)
12 AC-DET
11 SD-FAST
10 DBFB
9 FAN-EN
8 FAN-LOCK
7 DGND
6 DAMP-CLK
5 SD-SLOW
4 NO USE
3 /DAMP-RESET
2 RESONANCE
1 NC

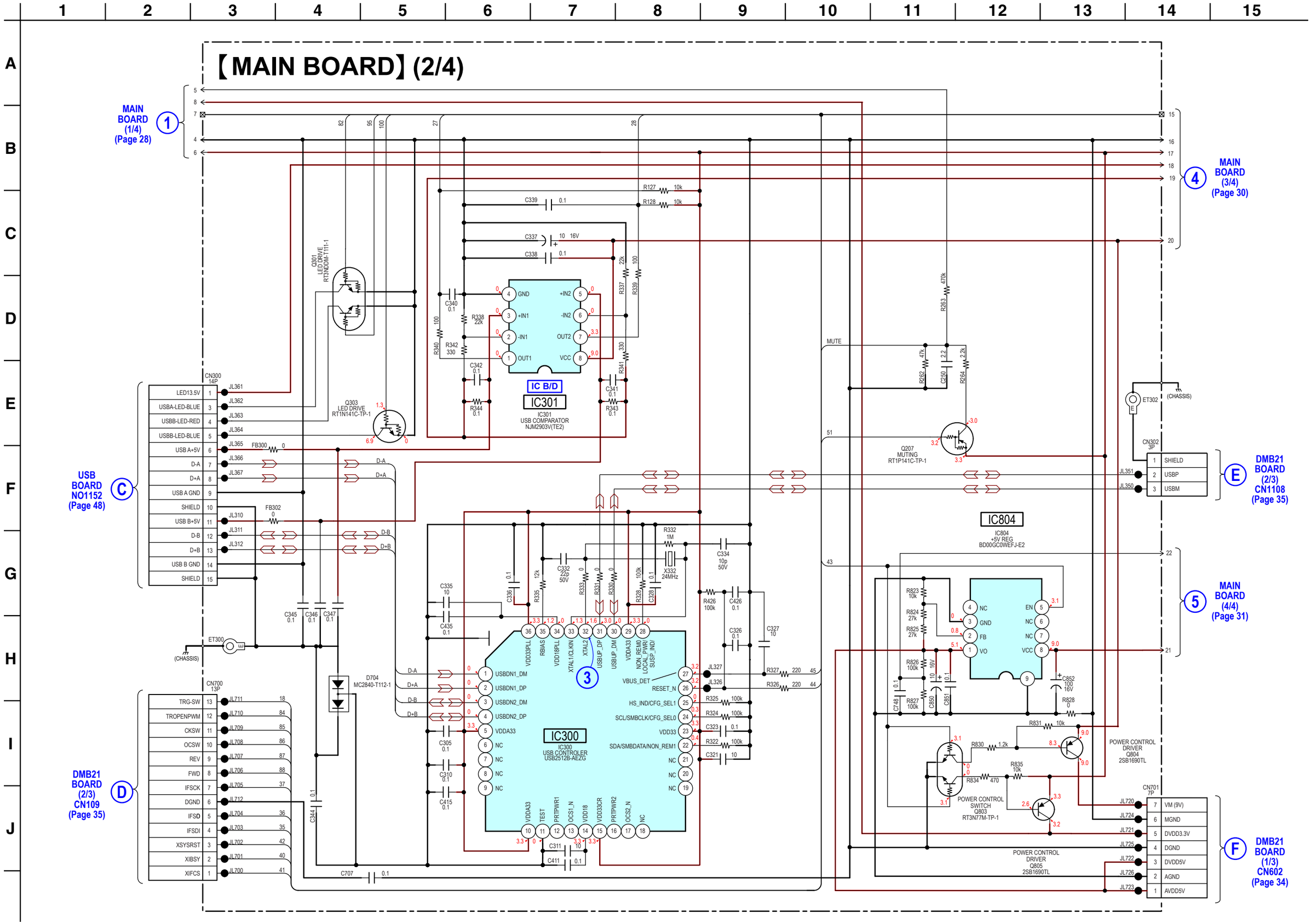
POWER SWITCHING
Q204
RT1N141C-TP-1

LED SWITCH
Q205
2SB1690TL

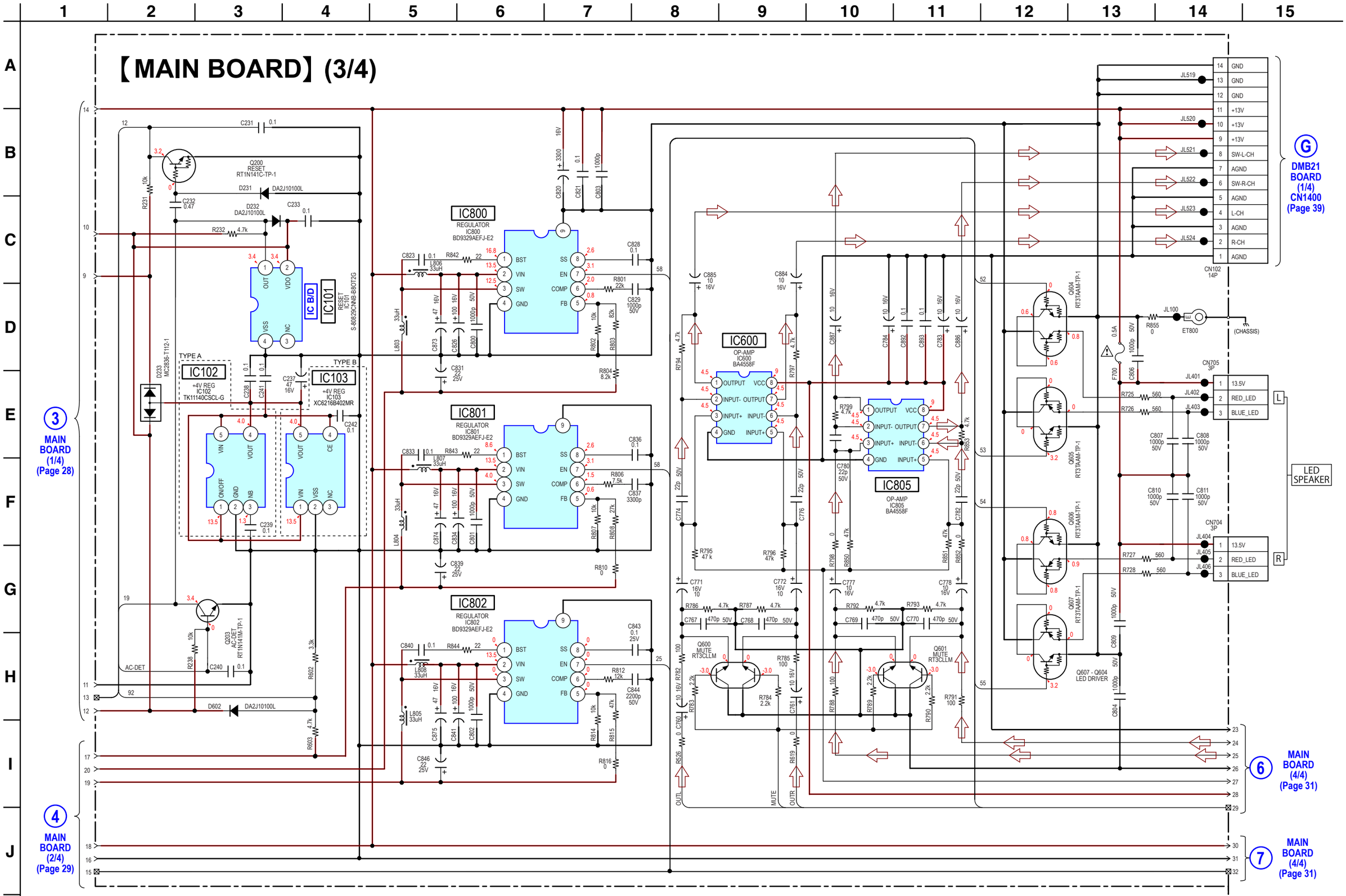
(A) VOLUME BOARD CN1000 (Page 46)
(1) MAIN BOARD (2/4) (Page 29)
(2) MAIN BOARD (4/4) (Page 31)
(3) MAIN BOARD (3/4) (Page 30)
(B) DAMP BOARD (1/4) CN1401 (Page 39)

5-14. SCHEMATIC DIAGRAM – MAIN BOARD (2/4) (Suffix 12) –

• See page 53 for Waveforms. • See page 54 for IC Block Diagrams.



5-15. SCHEMATIC DIAGRAM – MAIN BOARD (3/4) (Suffix 12) – • See page 54 for IC Block Diagrams.



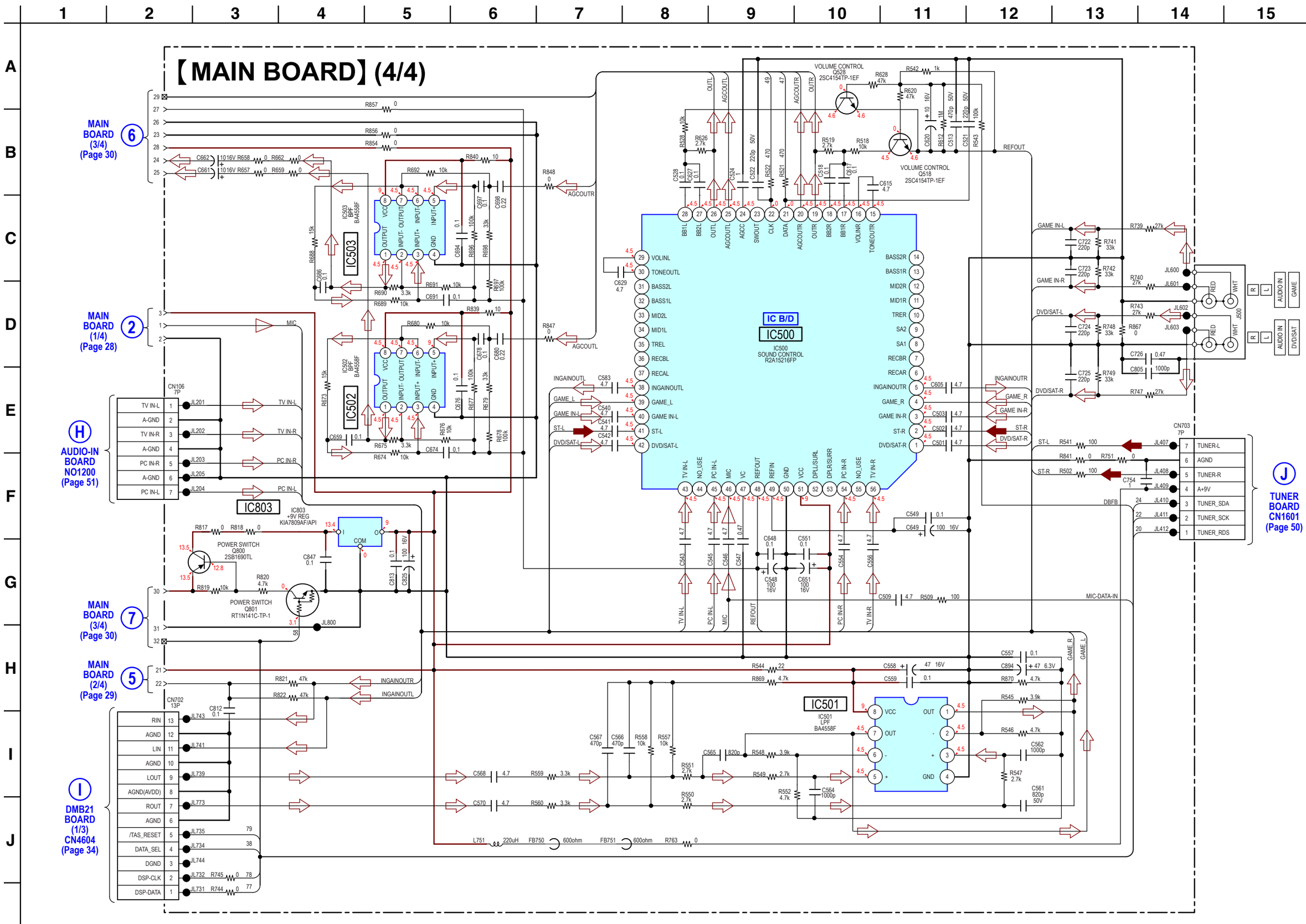
Note 1: Refer to the servicing notes "MAIN BOARD DISCRIMINATION" (page 5) for how to distinguish SUFFIX-11 and SUFFIX-12.

Note 2: A part of circuit composition of MAIN board (Suffix-12) has been changed in the midway of production. MAIN board (Suffix-12) that has not been changed appears as TYPE A, and the changed MAIN board (Suffix-12) appears as TYPE B.

Note 3: IC103 and C242 (Combination: TYPE B) on the MAIN board (Suffix-12) cannot exchange with single. When these parts on the MAIN board (Suffix-12) are damaged, remove IC103 and C242 (Combination: TYPE B) and replace with IC102 and C239 (Combination: TYPE A).

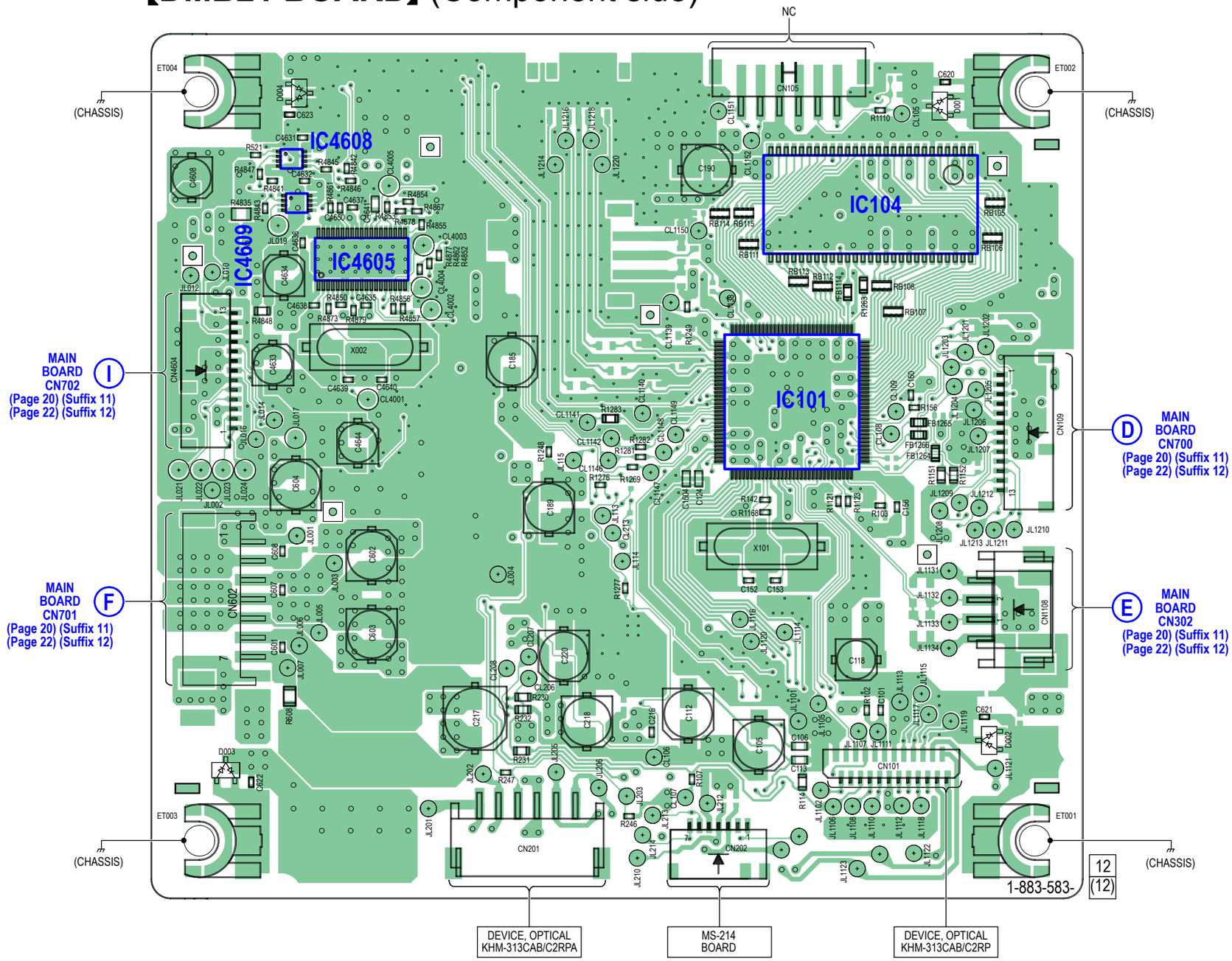
5-16. SCHEMATIC DIAGRAM – MAIN BOARD (4/4) (Suffix 12) –

• See page 54 for IC Block Diagrams.



5-17. PRINTED WIRING BOARDS – DMB21 BOARD (Component Side) – • See page 14 for Circuit Boards Location. • : Uses unleaded solder.

【DMB21 BOARD】(Component side)

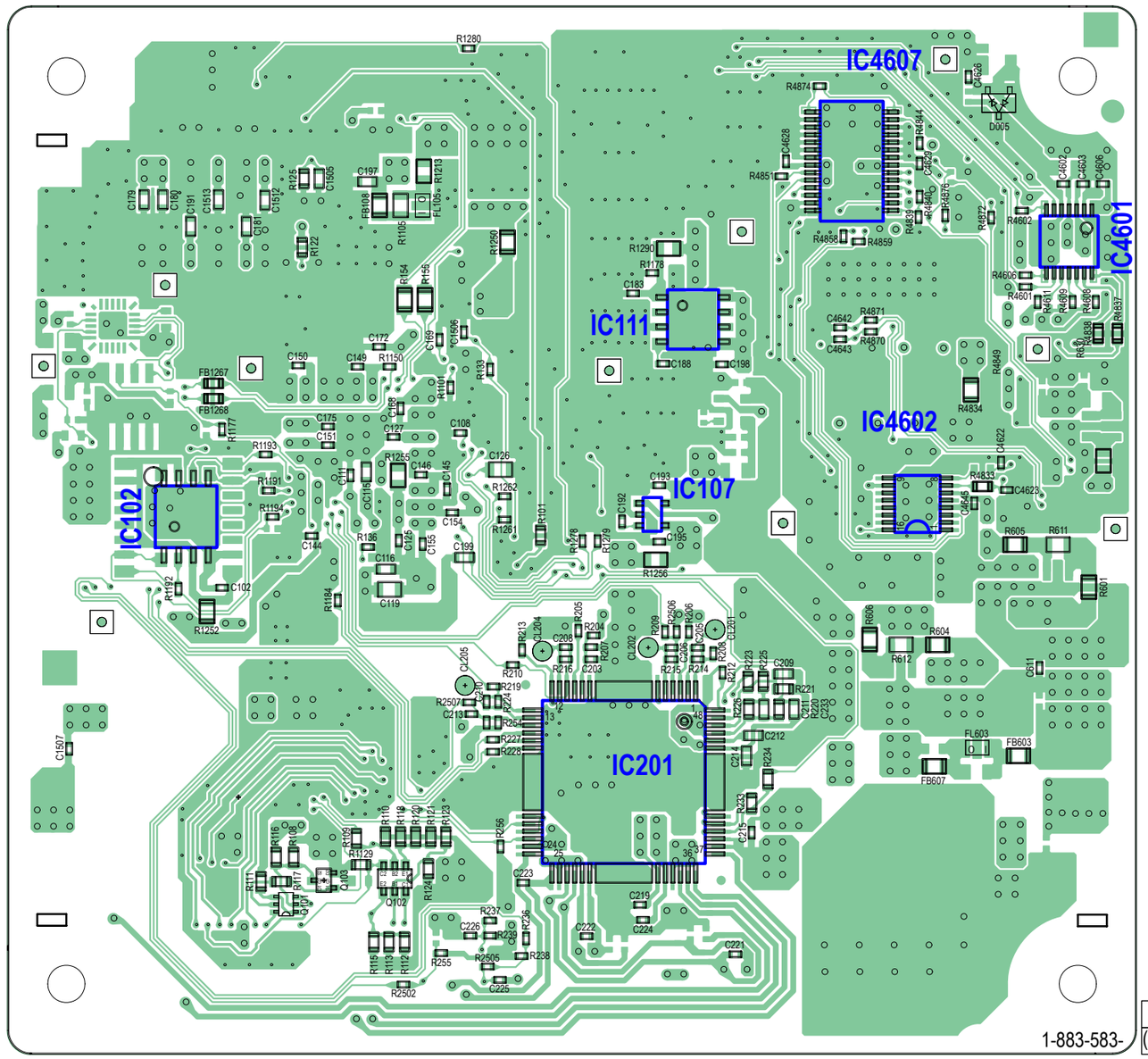


Note 1: IC4605 on the DMB21 board cannot exchange with single. When this part on the DMB21 board is damaged, exchange the entire mounted board.

Note 2: When the MS-214 board is defective, exchange the entire MD (AU) ASSY.

5-18. PRINTED WIRING BOARDS – DMB21 BOARD (Conductor Side) – • See page 14 for Circuit Boards Location. • : Uses unleaded solder.

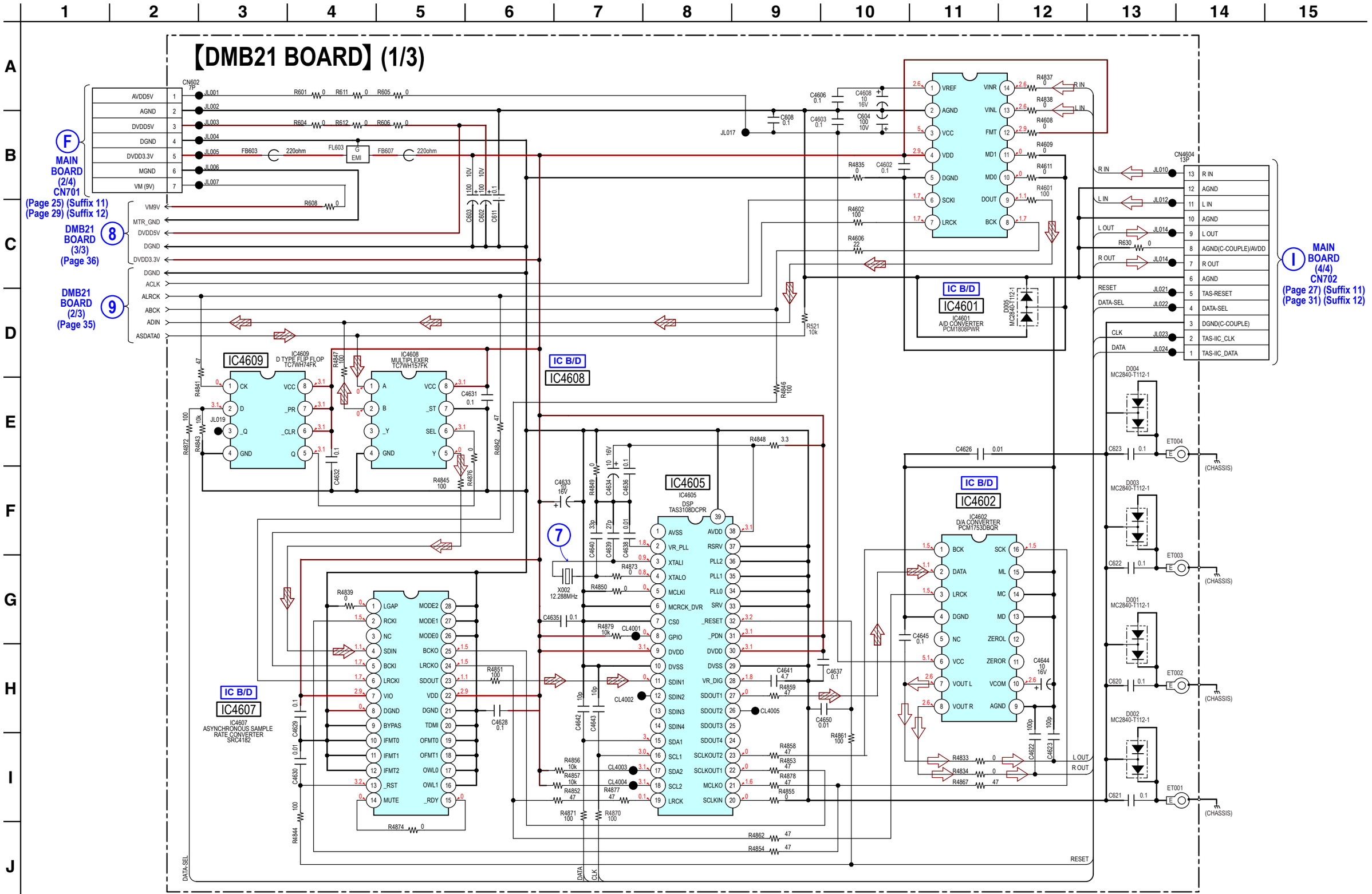
【DMB21 BOARD】(Conductor side)



Note: IC102 on the DMB21 board cannot exchange with single. When this part on the DMB21 board is damaged, exchange the entire mounted board.

5-19. SCHEMATIC DIAGRAM – DMB21 BOARD (1/3) –

• See page 53 for Waveforms. • See page 54 for IC Block Diagrams.

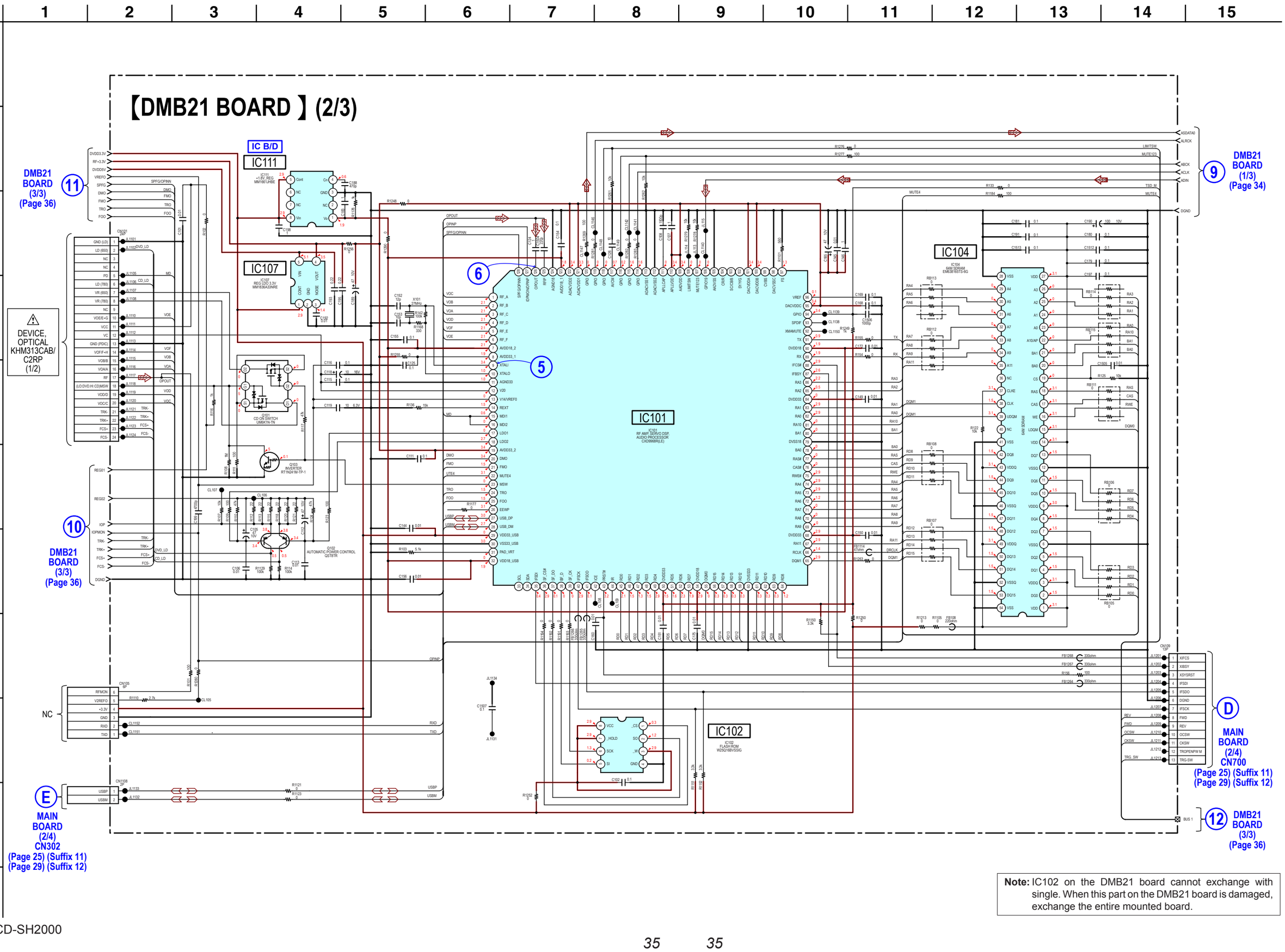


Note: IC4605 on the DMB21 board cannot exchange with single. When this part on the DMB21 board is damaged, exchange the entire mounted board.

5-20. SCHEMATIC DIAGRAM – DMB21 BOARD (2/3) –

• See page 53 for Waveforms. • See page 54 for IC Block Diagrams. • See page 61 for IC Pin Function Descriptions.

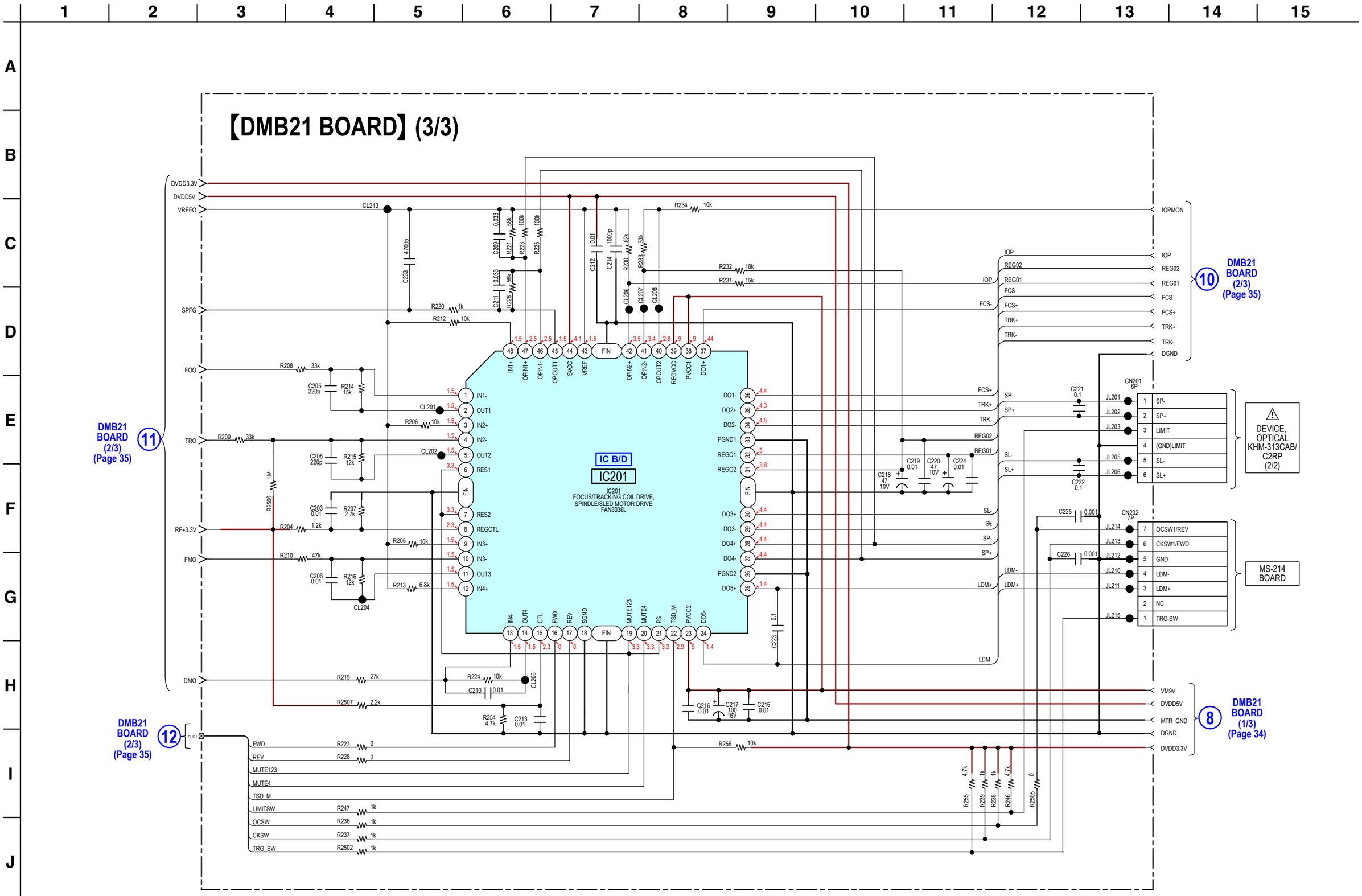
【DMB21 BOARD 】(2/3)



Note: IC102 on the DMB21 board cannot exchange with single. When this part on the DMB21 board is damaged, exchange the entire mounted board.

5-21. SCHEMATIC DIAGRAM – DMB21 BOARD (3/3) –

• See page 54 for IC Block Diagrams.

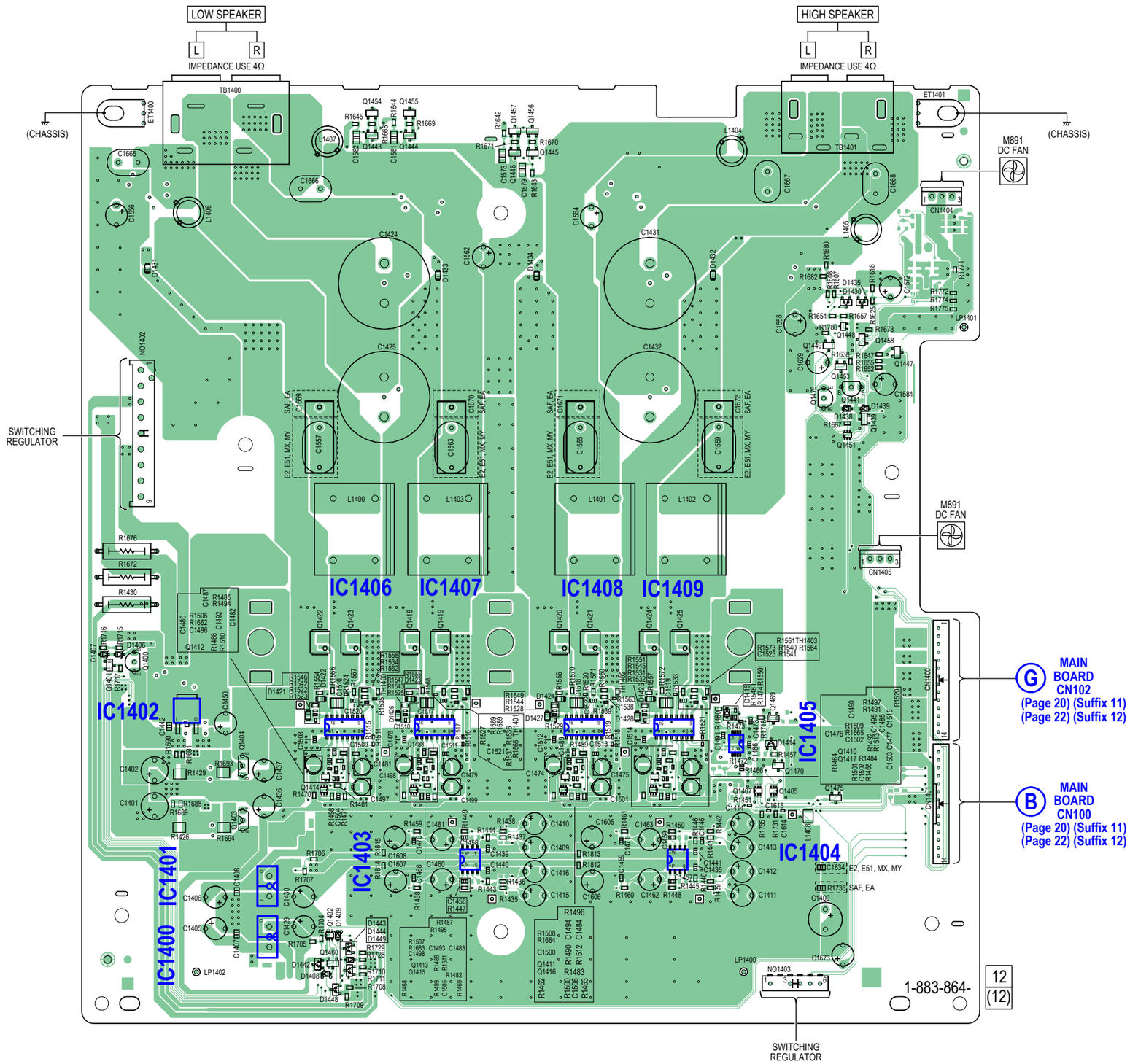


Note: When the MS-214 board is defective, exchange the entire MD (AU) ASSY.

5-22. PRINTED WIRING BOARDS – DAMP BOARD (Component Side) –

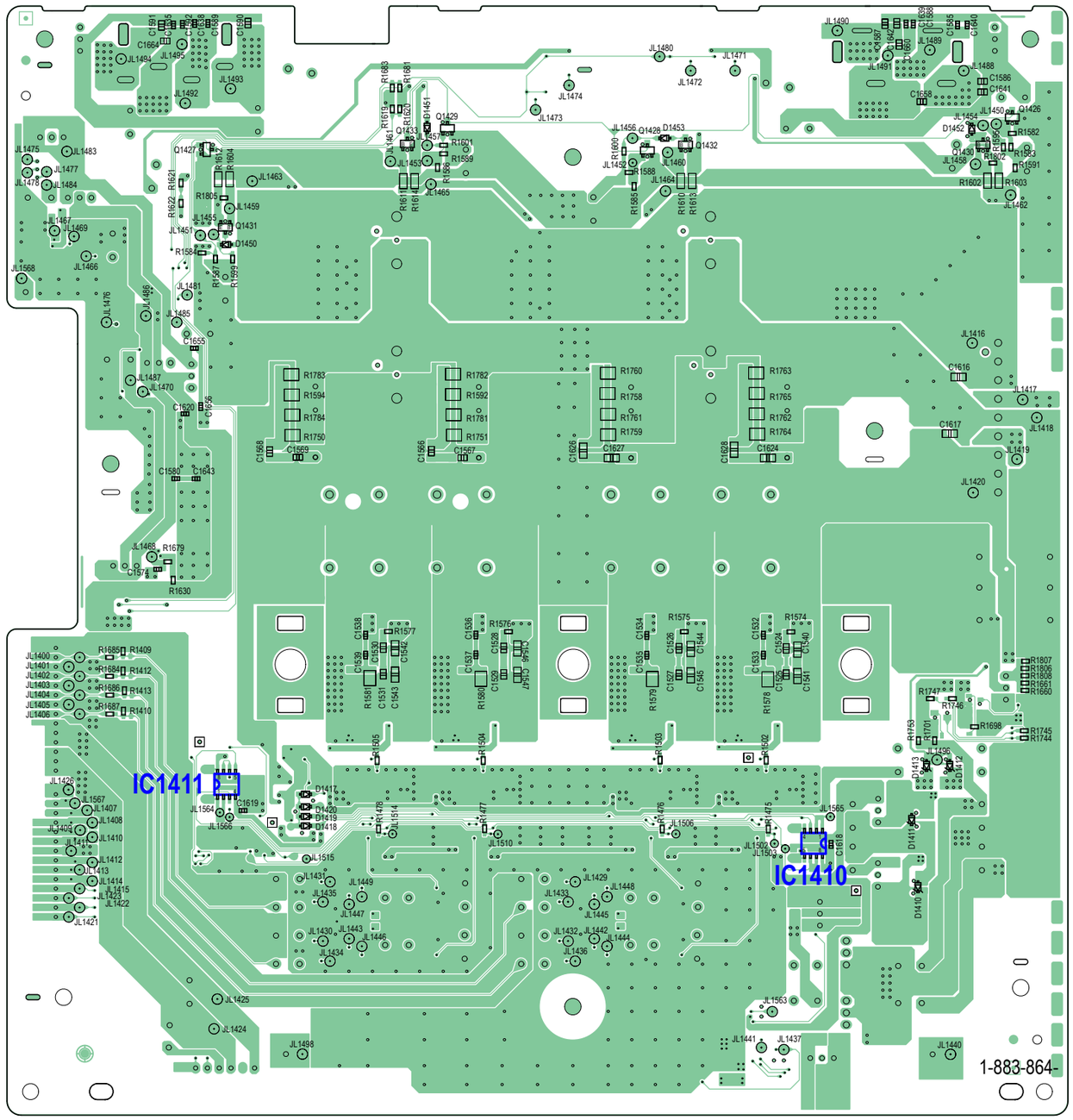
• See page 14 for Circuit Boards Location. • : Uses unleaded solder.

【DAMP BOARD】(Component side)



5-23. PRINTED WIRING BOARDS – DAMP BOARD (Conductor Side) – • See page 14 for Circuit Boards Location. • : Uses unleaded solder.

【DAMP BOARD】(Conductor side)



5-24. SCHEMATIC DIAGRAM – DAMP BOARD (1/4) –

【DAMP BOARD】(1/4)

CN1400 14P
AGND 1 / Rch-Input 2 / AGND 3 / Lch-Input 4 / AGND 5 / SW-Rch-Input 6 / AGND 7 / SW-Lch-Input 8 / +13V 9 / +13V 10 / +13V 11 / GND 12 / GND 13 / GND 14

MAIN BOARD (3/4) G CN102 (Page 26) (Suffix 11) (Page 30) (Suffix 12)

CN1401 14P
NC 1 / RESONANCE 2 / /AMP-RESET 3 / /AMP-OTW 4 / /AMP-SD-SLOW 5 / AMP-CLK 6 / D-GND 7 / FAN-LOCK 8 / FAN-DRIVE 9 / DBFB 10 / /AMP-SD-FAST 11 / AC-DET 12 / MAIN ON 13 / SUB ON 14

MAIN BOARD (1/4) B CN100 (Page 24) (Suffix 11) (Page 28) (Suffix 12)

NO1403 5P
SUB-ON 6 / MAIN-ON 5 / AC-DET 4 / GND 3 / 13V 1

SWITCHING REGULATOR

IC1404 PREAMP IC1404 NJM2068M-D-TE2 (INB+, INB-, BOUT, V+, V-, INA+, INA-, AOUT)

IC1403 PREAMP IC1403 NJM2068M-D-TE2 (INB+, INB-, BOUT, V+, V-, INA+, INA-, AOUT)

IC1400 +18V REG IC1400 NJM7818FA (I, COM, O)

IC1401 -18V REG IC1401 NJM7918FA (I, COM, O)

Q1475 RESET RT1N141C-TP-1

Q1403 +5.0V REG KTC1027-Y-AT/P

Q1404 -5.0V REG KTA1023-Y-AT/P

D1410 DZ2J056M0L

D1411 DZ2J056M0L

D1442 MC2836-T112-1

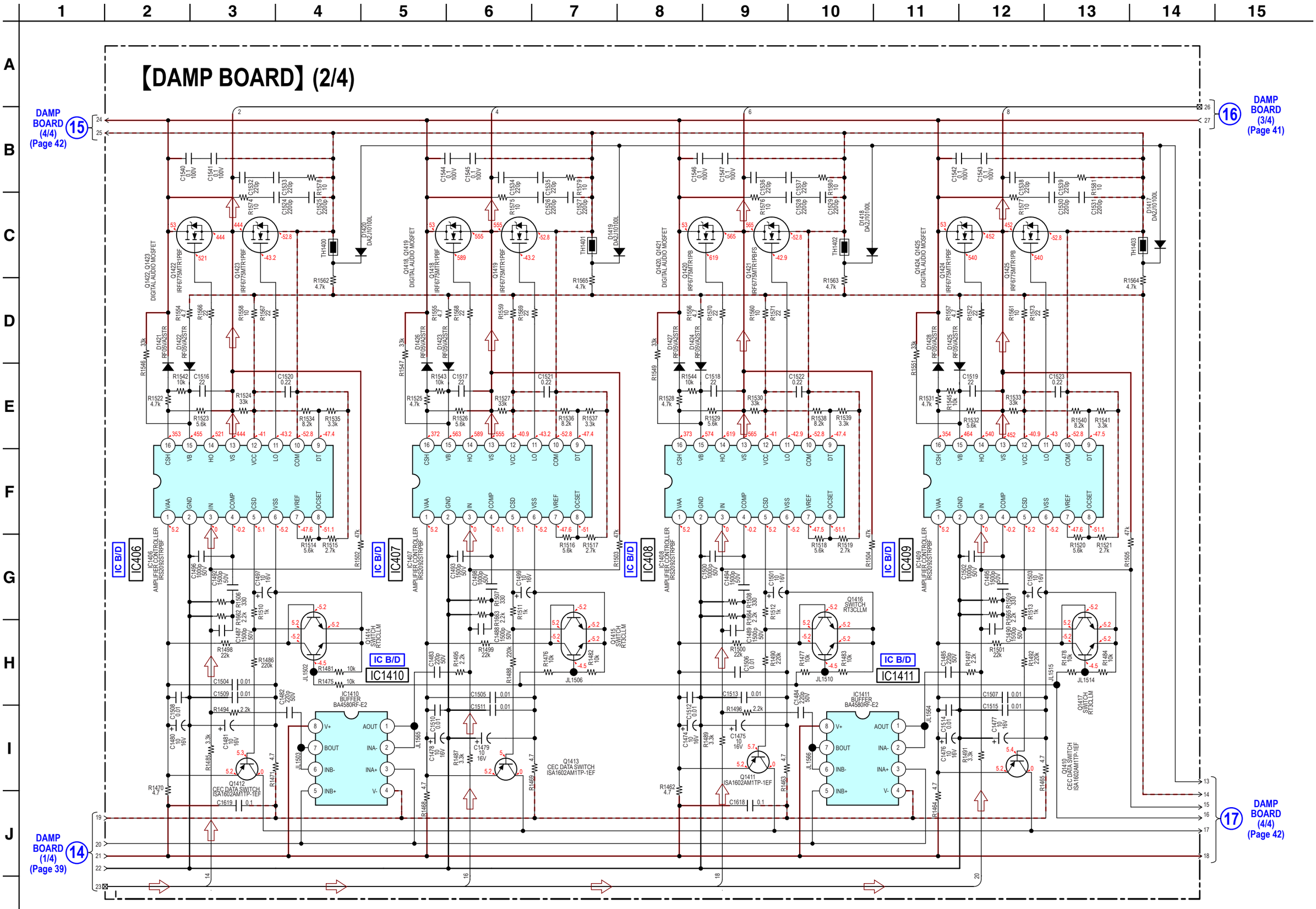
D1443 MC2836-T112-1

DAMP BOARD (4/4) 13 (Page 42)

DAMP BOARD (2/4) 14 (Page 40)

5-25. SCHEMATIC DIAGRAM – DAMP BOARD (2/4) –

• See page 54 for IC Block Diagrams.



5-26. SCHEMATIC DIAGRAM – DAMP BOARD (3/4) –

【DAMP BOARD】(3/4)

DAMP BOARD (2/4) (Page 40) 16

DAMP BOARD (4/4) (Page 42) 18

RESONANCE

SAF,EA

E2,E51,MX,MY

(CHASSIS)

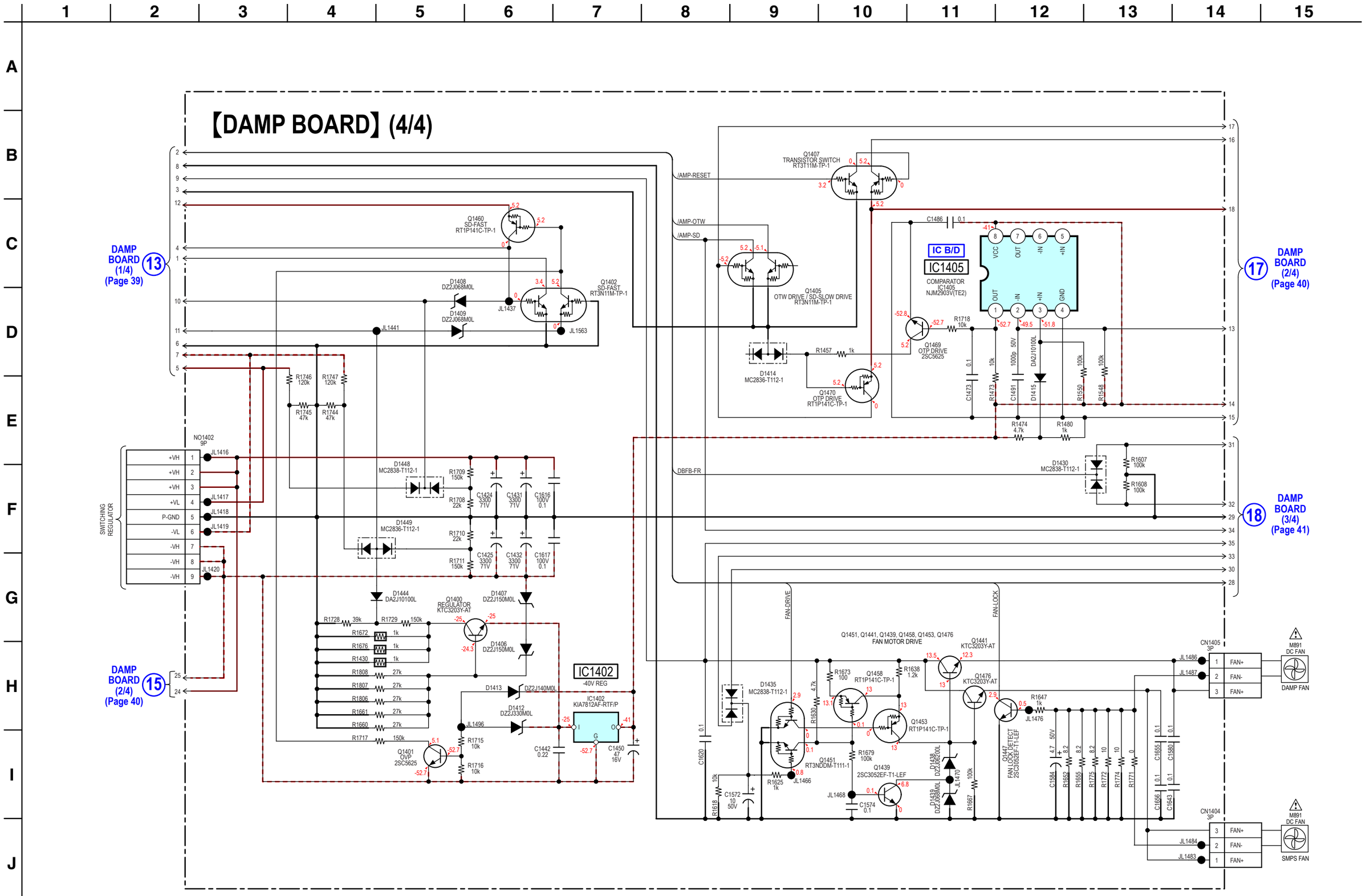
IMPEDANCE USE 4Ω

LOW SPEAKER

HIGH SPEAKER

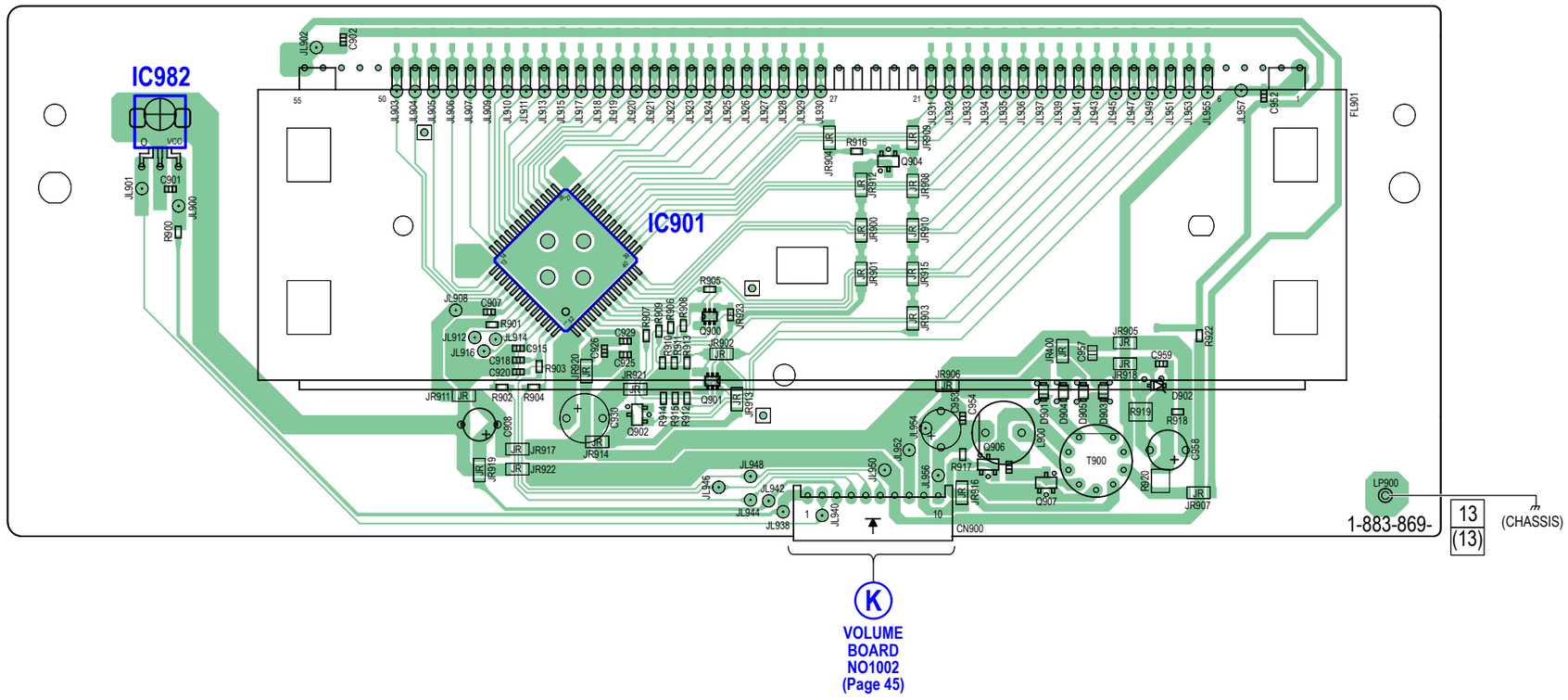
5-27. SCHEMATIC DIAGRAM – DAMP BOARD (4/4) –

• See page 54 for IC Block Diagrams.



5-28. PRINTED WIRING BOARDS – DISPLAY BOARD – • See page 14 for Circuit Boards Location. • : Uses unleaded solder.

【DISPLAY BOARD】



5-29. SCHEMATIC DIAGRAM – DISPLAY BOARD –

• See page 54 for IC Block Diagrams.

【DISPLAY BOARD】

FL901
FLUORESCENT INDICATOR TUBE

IC982
REMOTE CONTROL SIGNAL RECEIVER
IC982
PNA4823M03S0

IC901
FLUORESCENT INDICATOR TUBE DRIVER
IC901
PT6324-LQ
IC B/D

SWITCHING Q904 2SC3052EF-T1-LEF
SWITCHING Q900 RT3CLLM
SWITCHING Q901 RT3CLLM
SWITCHING Q902 2SC3052EF-T1-LEF
SWITCHING Q906 2SC5865TLR
SWITCHING Q907 2SC5865TLR

T900
DC-DC CONVERTER TRANSFORMER

D901 RF05VA2STR
D902 D2ZJ068M0L
D903 RF05VA2STR
D904 RF05VA2STR
D905 RF05VA2STR

CN900 10P

JL956	10	LED_+13.5V
JL954	9	LED_GND
JL952	8	-VG
JL950	7	DGND
JL948	6	FL_DRIVER_CLK
JL946	5	FL_DRIVER_DATA
JL944	4	FL_DRIVER_CS
JL942	3	+3.3V
JL940	2	SIRCS
JL938	1	E+3.3V

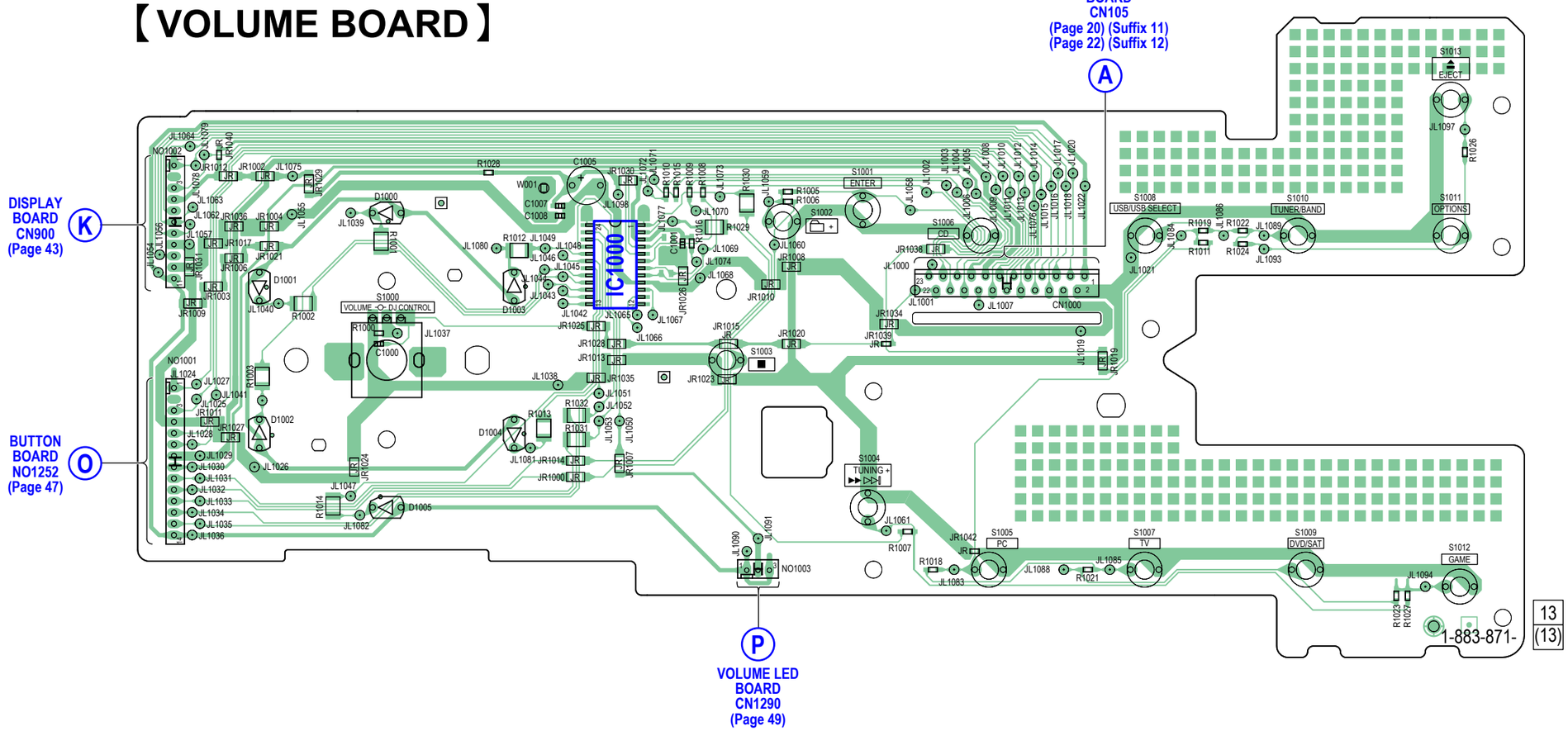
K VOLUME BOARD NO1002 (Page 46)

(CHASSIS)

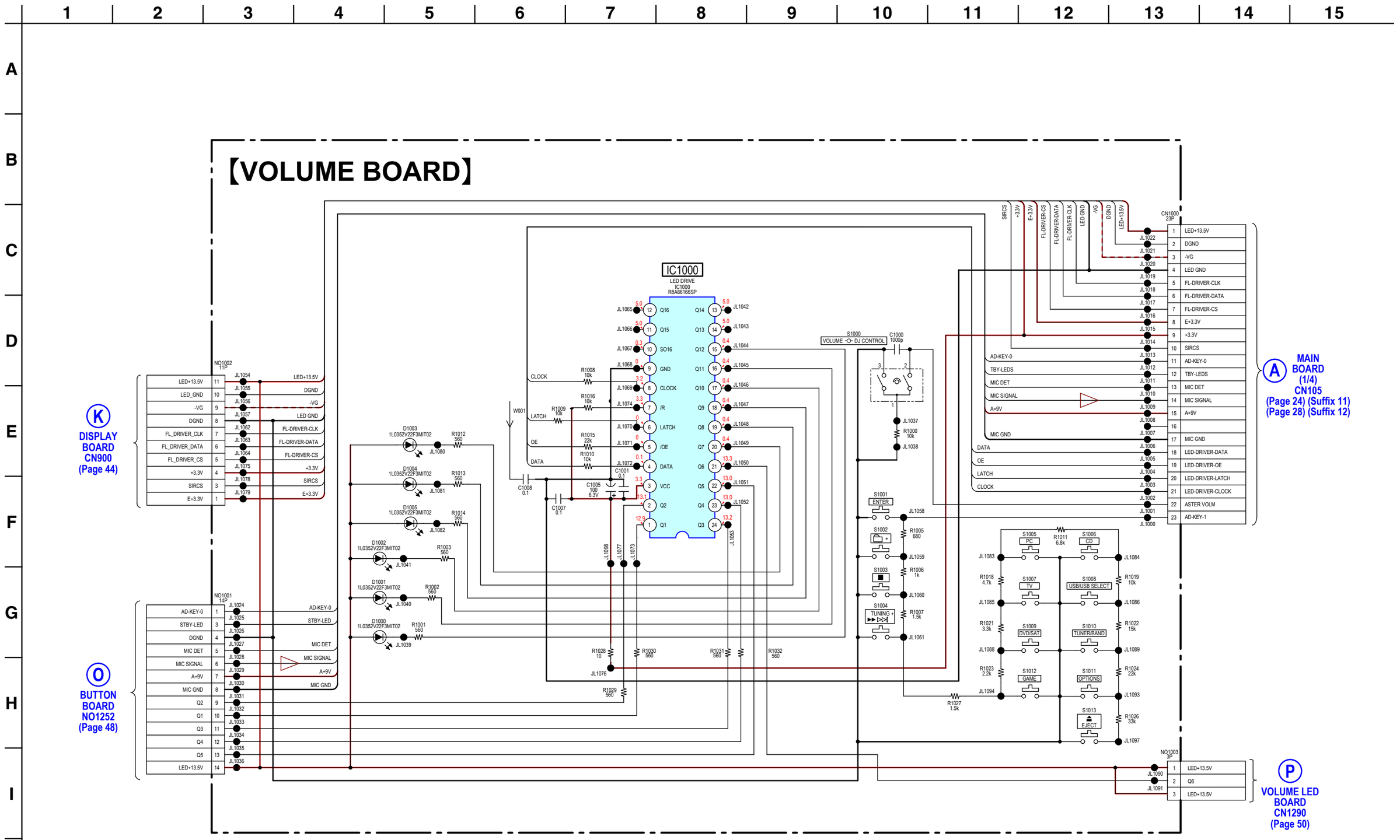
5-30. PRINTED WIRING BOARDS – VOLUME BOARD –

• See page 14 for Circuit Boards Location. • : Uses unleaded solder.

【VOLUME BOARD】



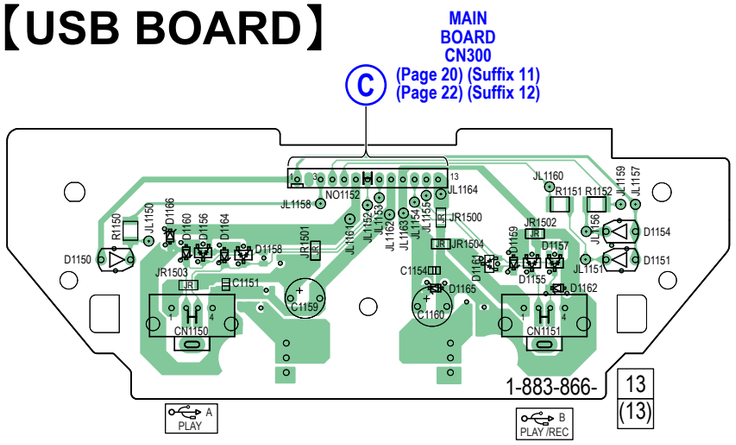
5-31. SCHEMATIC DIAGRAM – VOLUME BOARD –



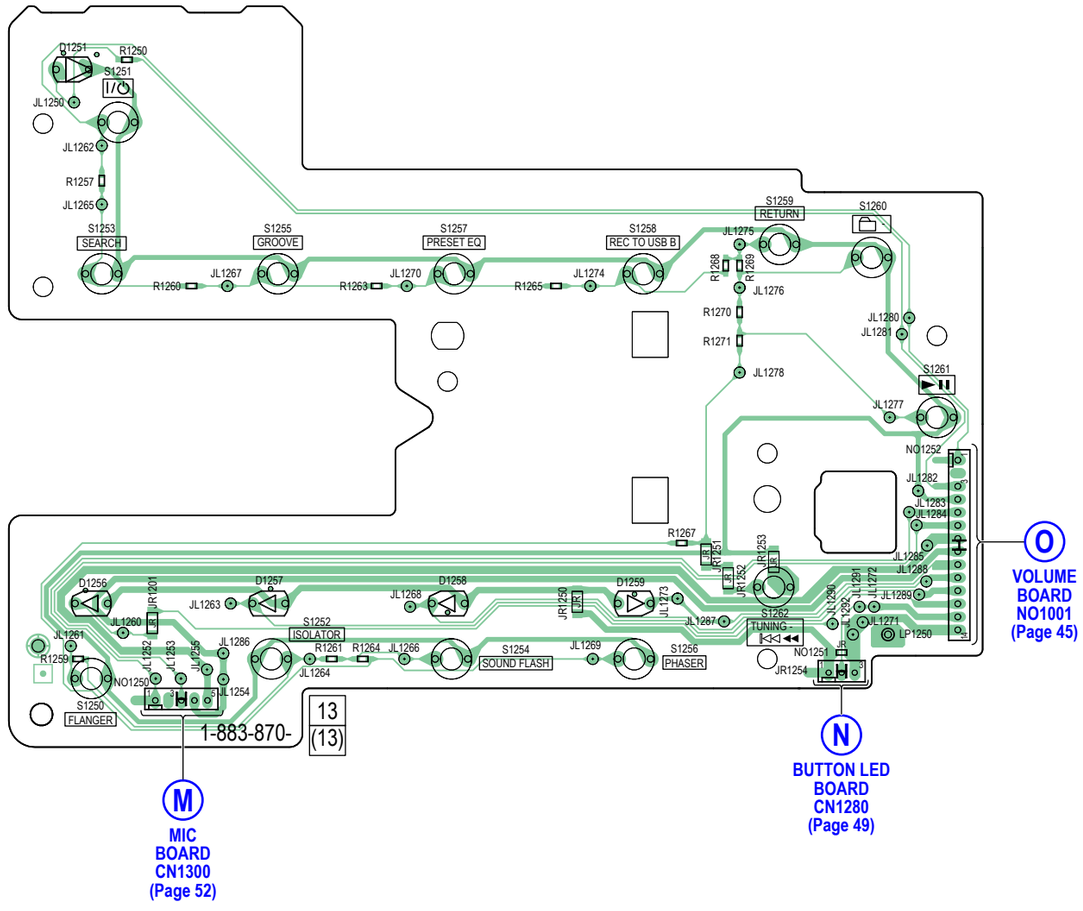
5-32. PRINTED WIRING BOARDS – BUTTON, USB BOARD –

• See page 14 for Circuit Boards Location. • : Uses unleaded solder.

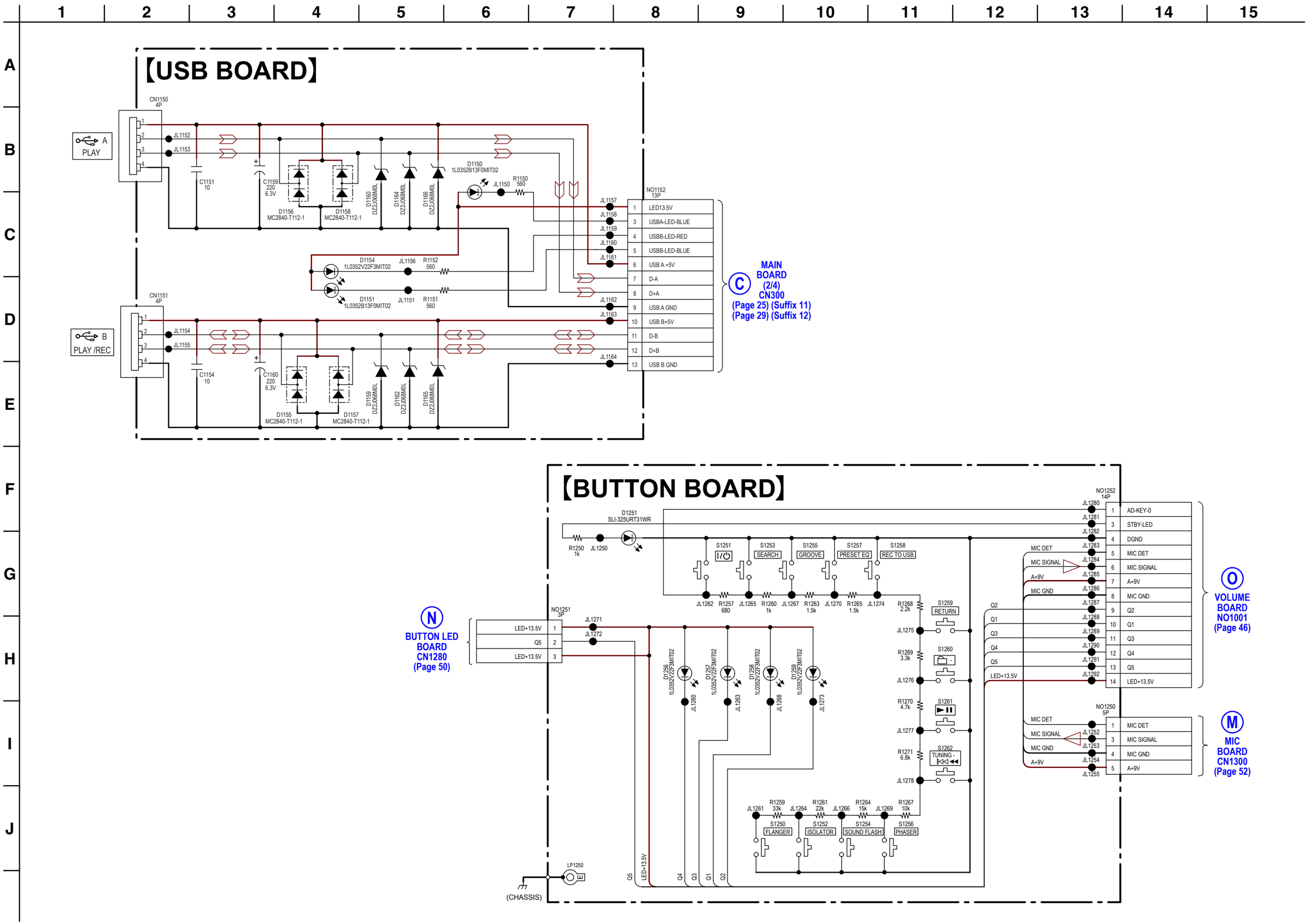
【USB BOARD】



【BUTTON BOARD】

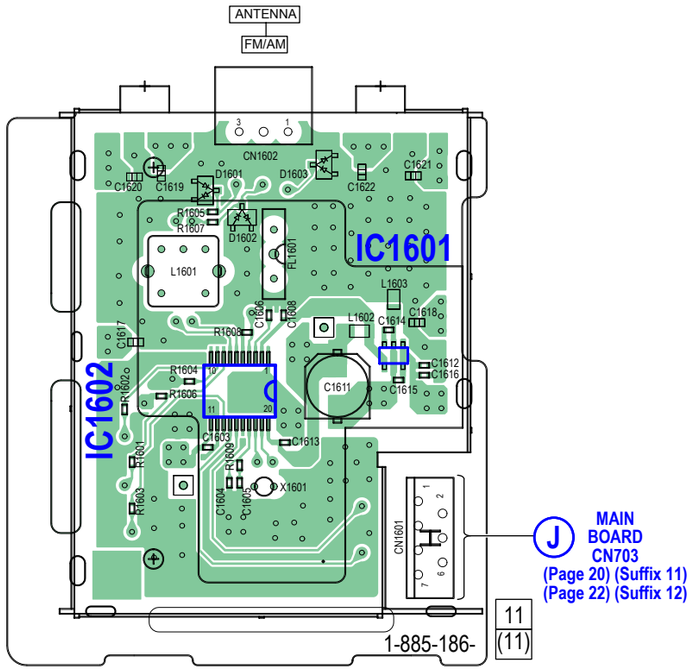


5-33. SCHEMATIC DIAGRAM – BUTTON, USB BOARD –

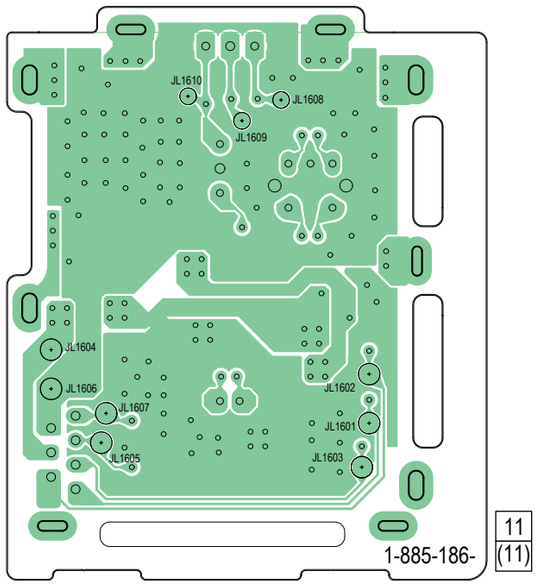


5-34. PRINTED WIRING BOARDS – VOLUME LED, BUTTON LED AND TUNER BOARD – • See page 14 for Circuit Boards Location. • : Uses unleaded solder.

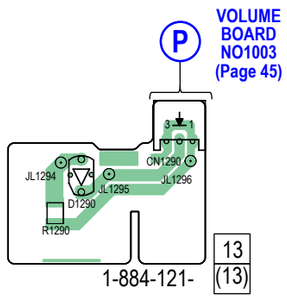
【TUNER BOARD】(Component side)



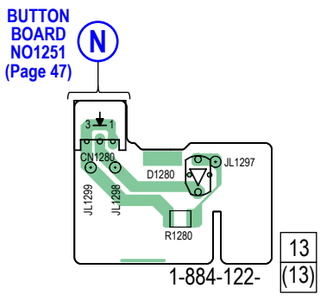
【TUNER BOARD】(Conductor side)



【VOLUME LED BOARD】

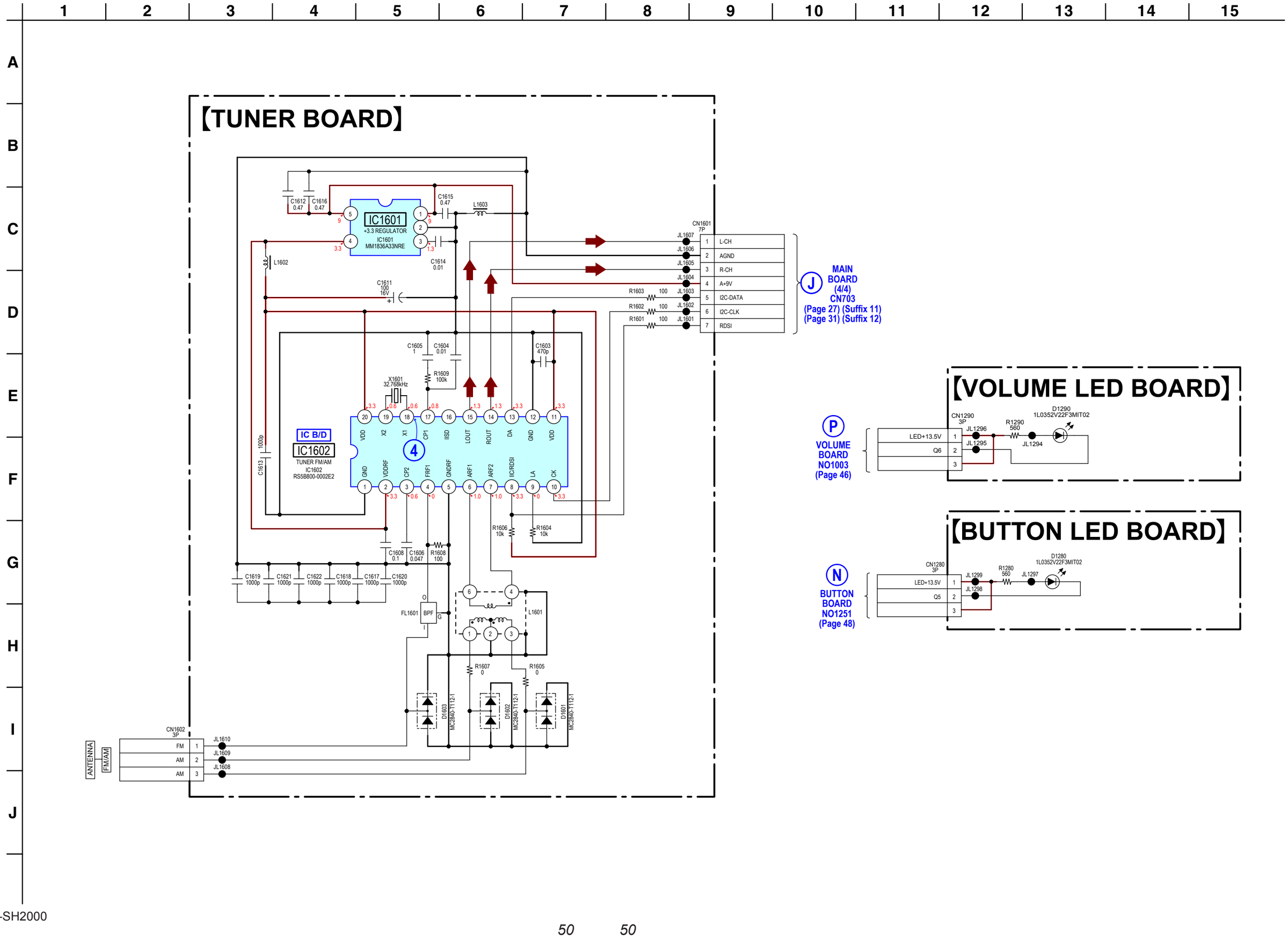


【BUTTON LED BOARD】



5-35. SCHEMATIC DIAGRAM – VOLUME LED, BUTTON LED AND TUNER BOARD –

• See page 53 for Waveforms. • See page 54 for IC Block Diagrams.

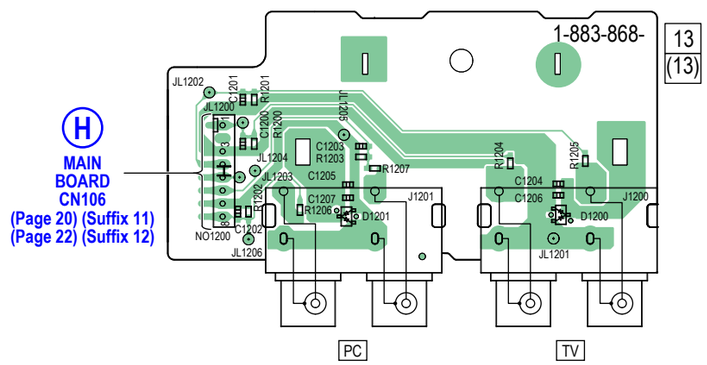


• : Uses unleaded solder.
• See page 14 for Circuit Boards Location.

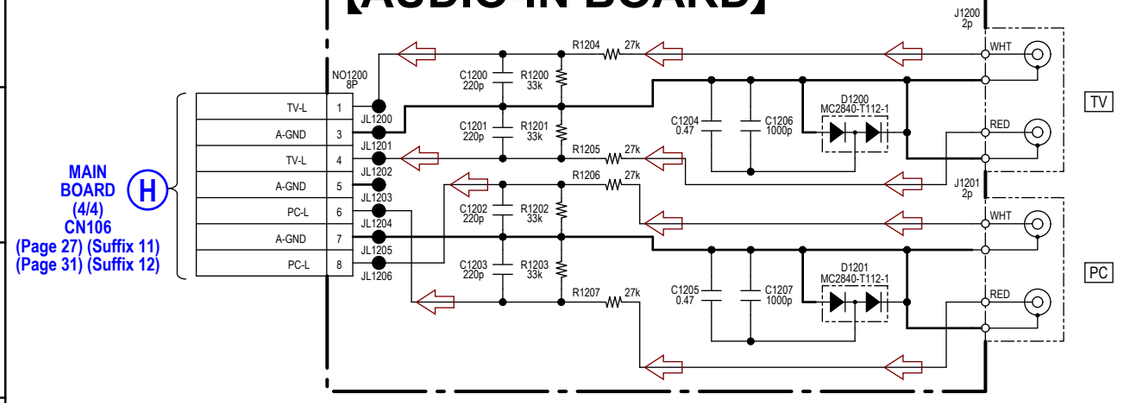
5-36. PRINTED WIRING BOARDS – AUDIO-IN BOARD –

5-37. SCHEMATIC DIAGRAM – AUDIO-IN BOARD –

【AUDIO-IN BOARD】



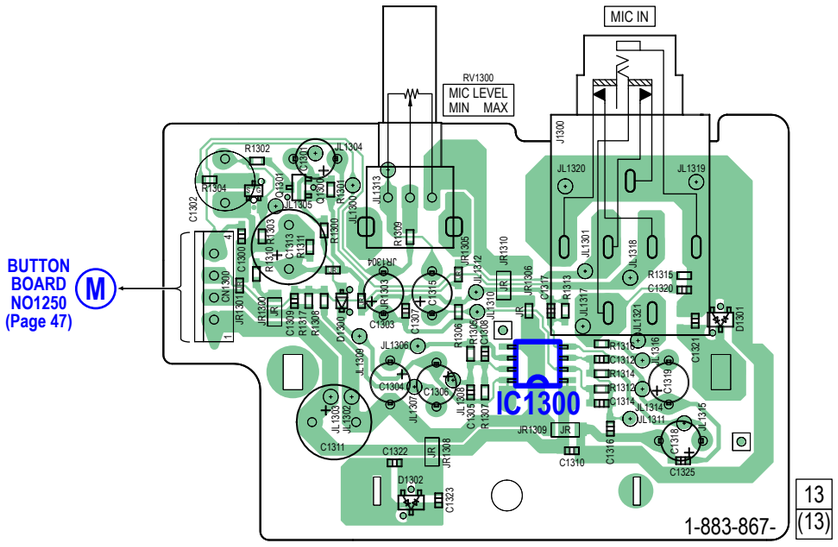
【AUDIO-IN BOARD】



5-38. PRINTED WIRING BOARDS – MIC BOARD –

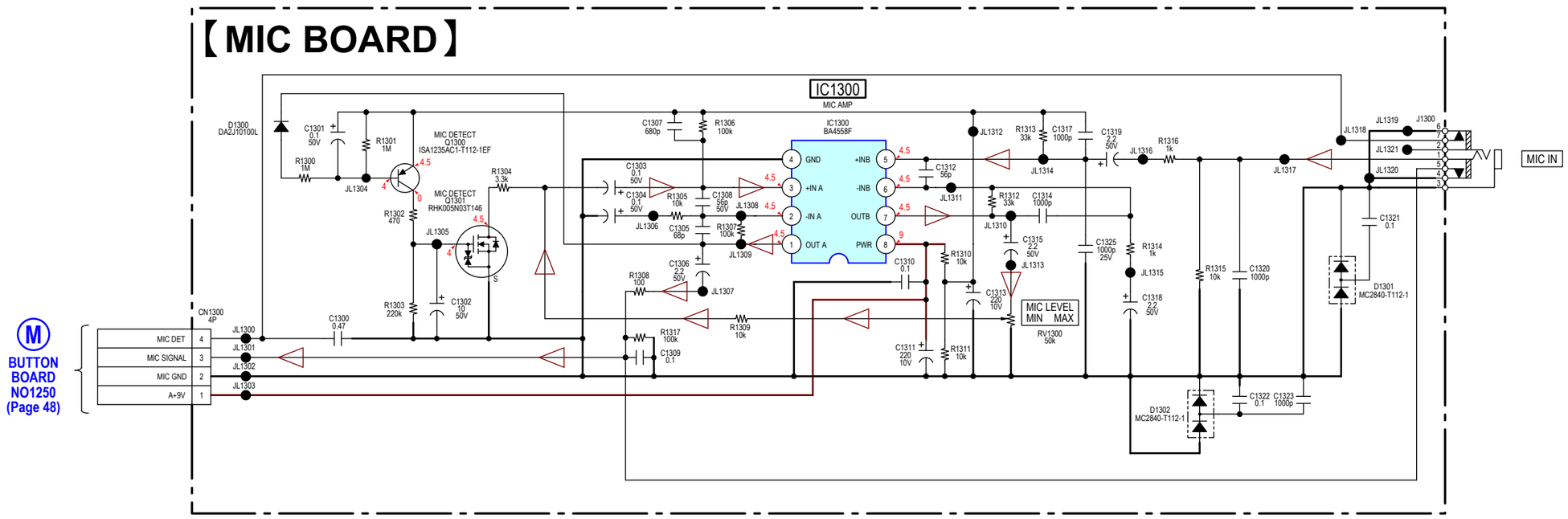
• See page 14 for Circuit Boards Location. • : Uses unleaded solder.

【MIC BOARD】



5-39. SCHEMATIC DIAGRAM – MIC BOARD –

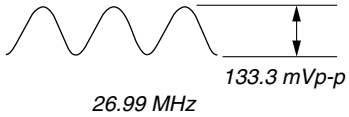
【MIC BOARD】



• **Waveforms**

– DMB21 Board –

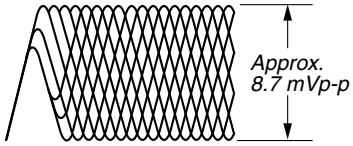
⑤ IC101 ⑨ (XTALI)



26.99 MHz

125 mV/DIV, 37 nsec/DIV

⑥ IC101 ⑯ (XTALI)



30.32 MHz

5.26 mV/DIV, 4.1 µsec/DIV

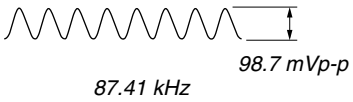
⑦ IC4605 ③ (XTALI)

12.27 MHz

170 mV/DIV, 82 nsec/DIV

– MAIN Board –

① IC100 ⑪ (XC-OUT)



87.41 kHz

34 mV/DIV, 30 µssec/DIV

② IC100 ⑬ (X-OUT)

8 MHz

280 mV/DIV, 125 nssec/DIV

③ IC300 ㉜ (XTAL2)

284.4 MHz

90 mV/DIV, 23 nssec/DIV

– TUNER Board –

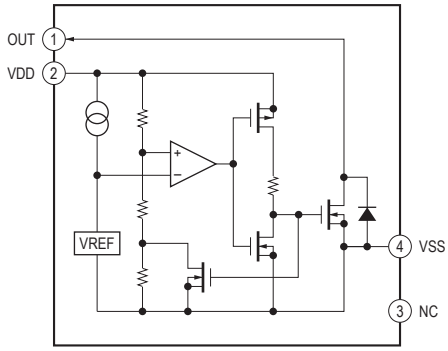
④ IC1602 ⑱ (X1)

32.8 kHz

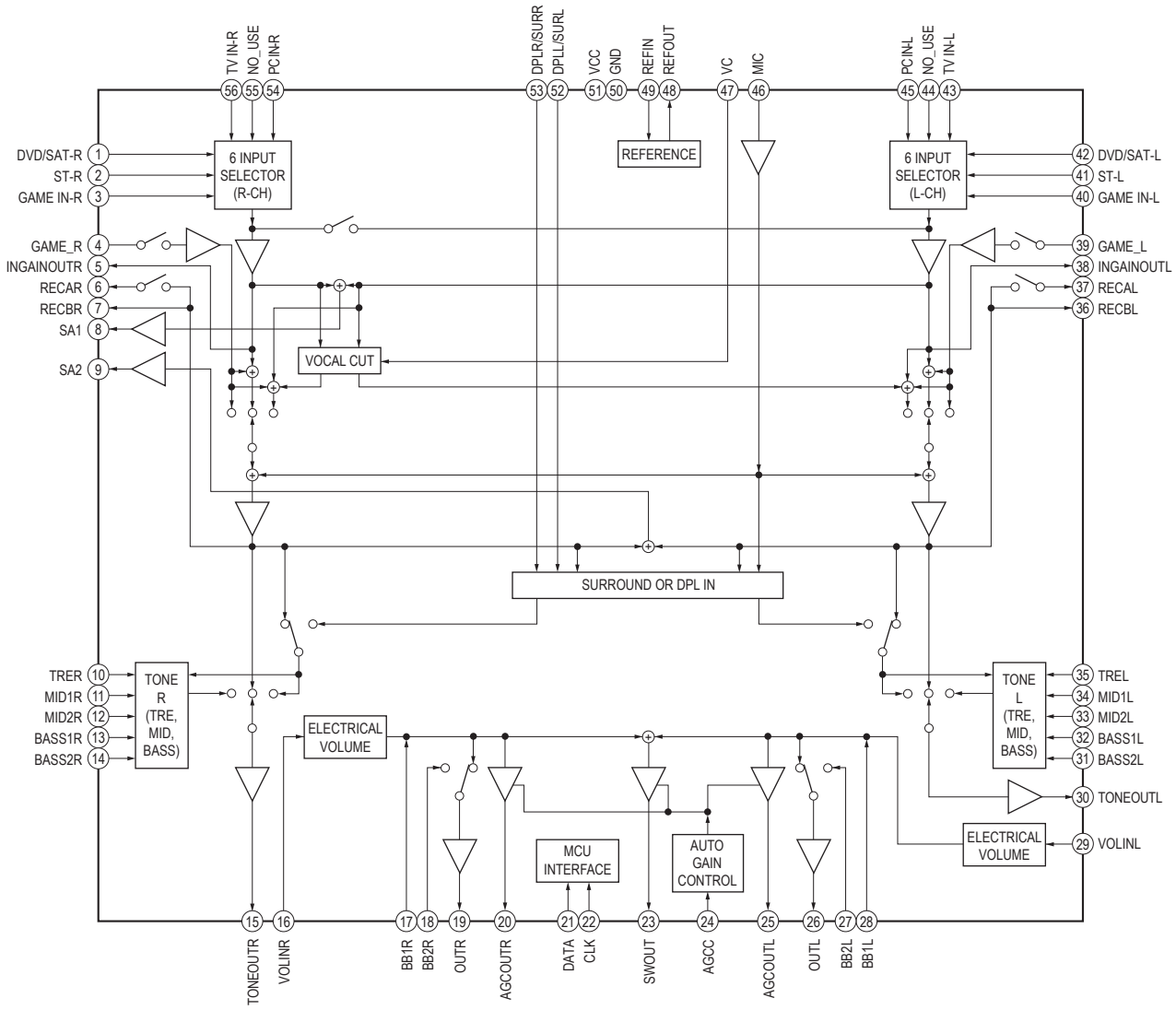
60 mV/DIV, 30 µssec/DIV

- **IC Block Diagrams**

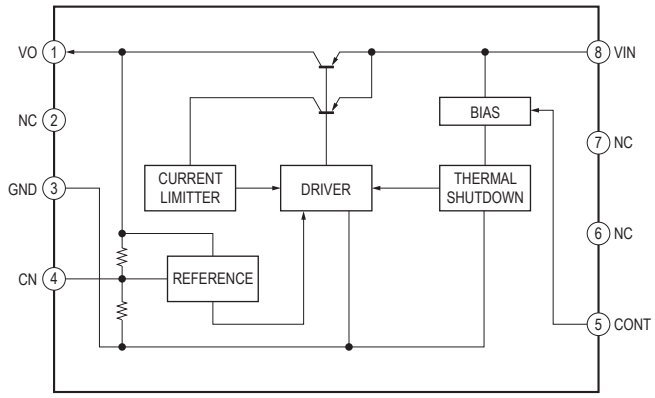
IC101 S-80829CNNB-B8OT2G (MAIN BOARD (3/4))



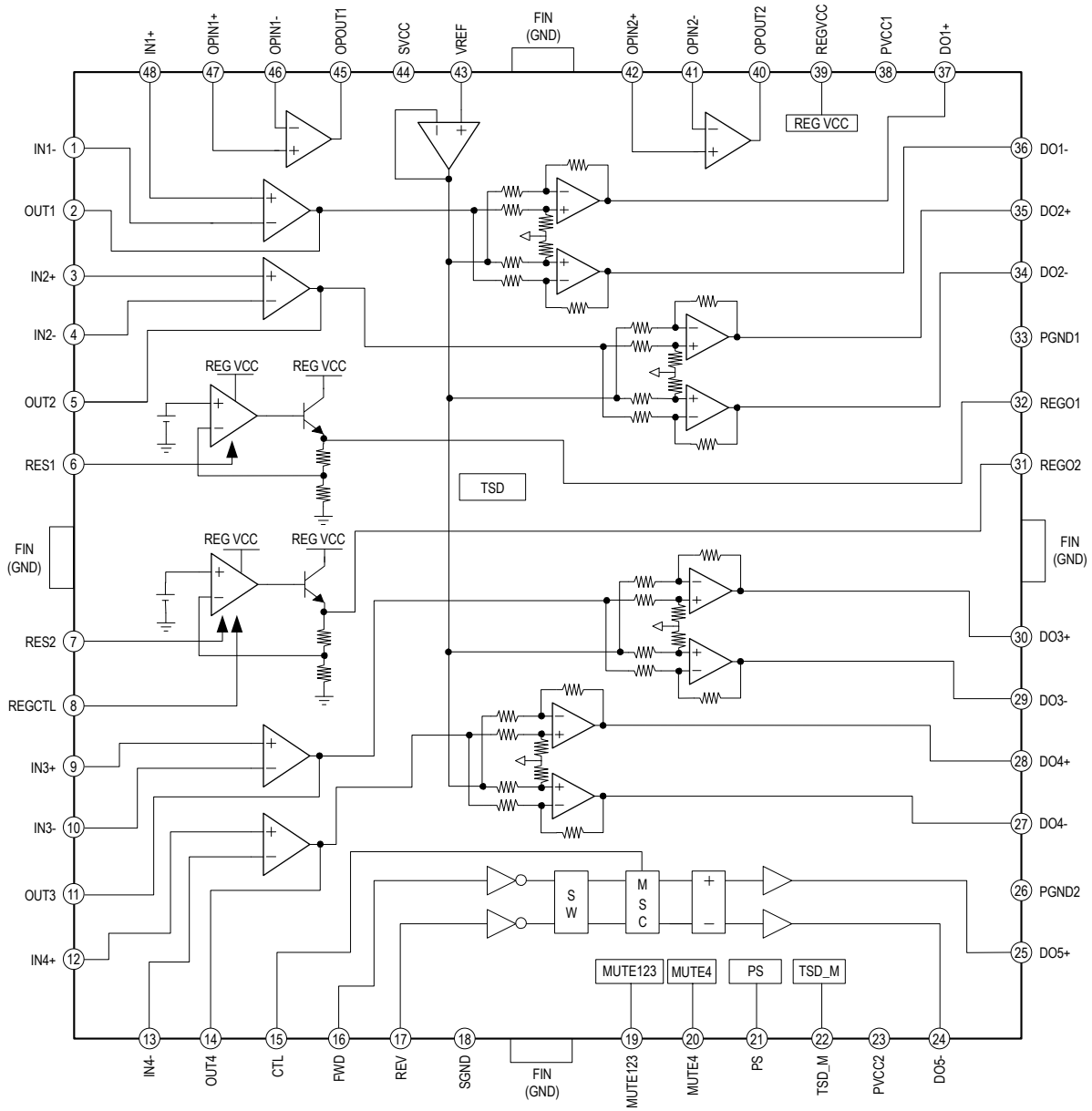
IC500 R2A15216FP (MAIN BOARD (4/4))



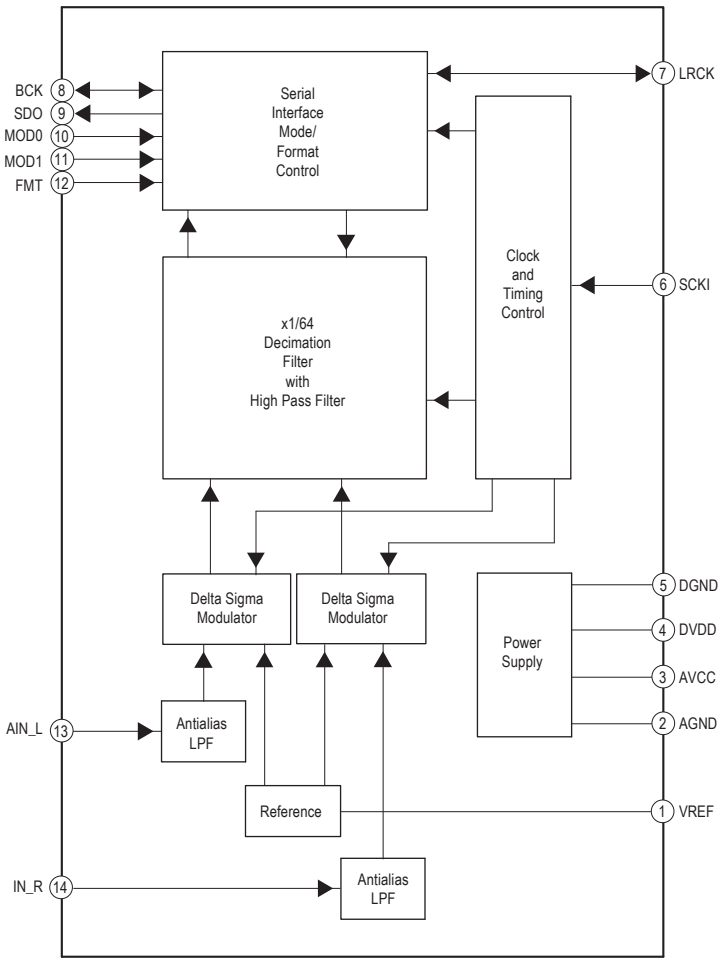
IC111 MM1661JHBE (DMB21 BOARD (2/3))



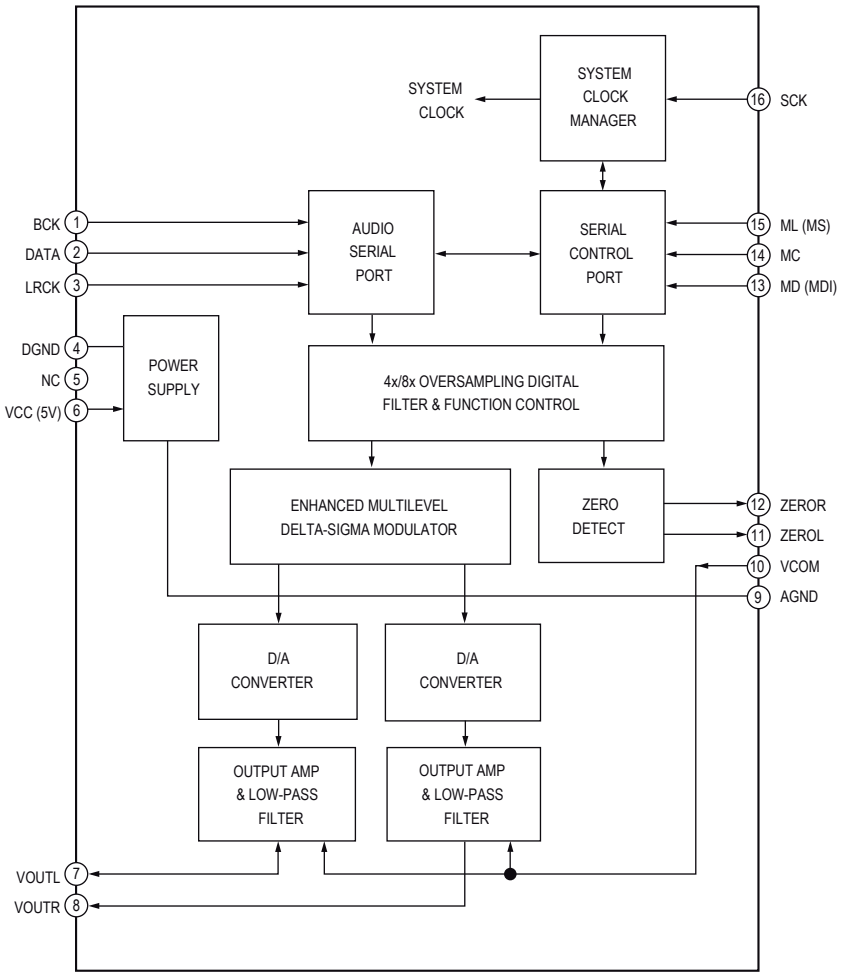
IC201 FAN8036L (DMB21 BOARD (3/3))



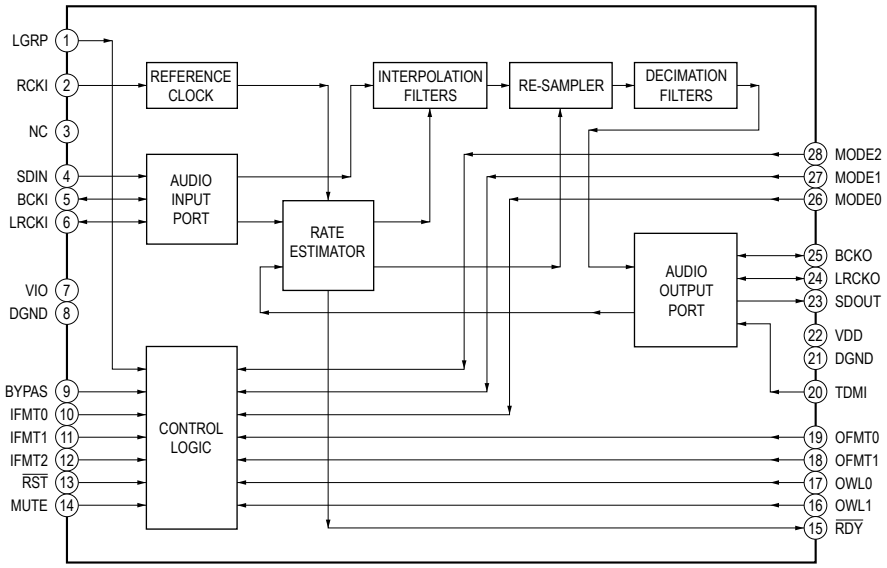
IC4601 PCM1808PWR (DMB21 BOARD (1/3))



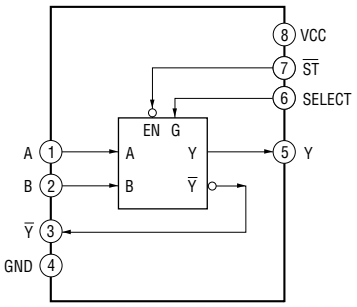
IC4602 PCM1753DBQR (DMB21 BOARD (1/3))



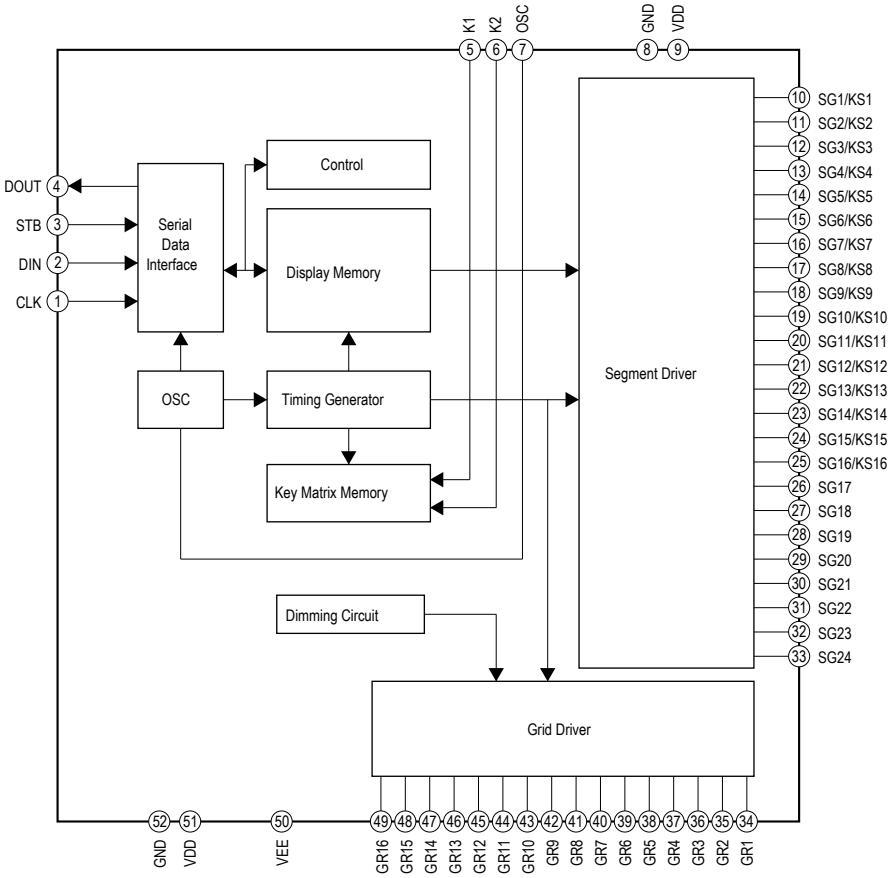
IC4607 SRC4182 (DMB21 BOARD (1/3))



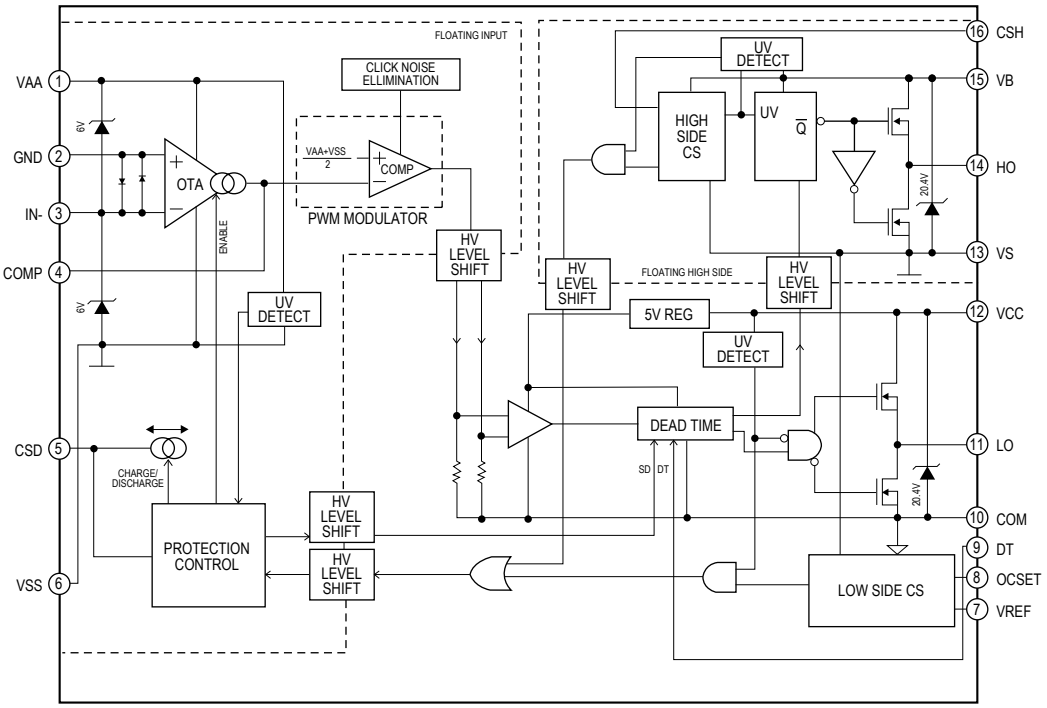
IC4608 TC7WH157FK (DMB21 BOARD (1/3))



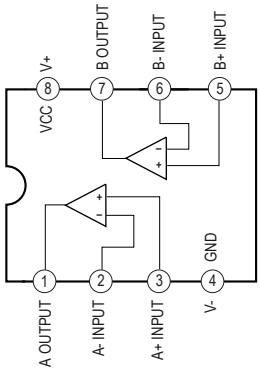
IC901 PT6324-LQ (DISPLAY BOARD)



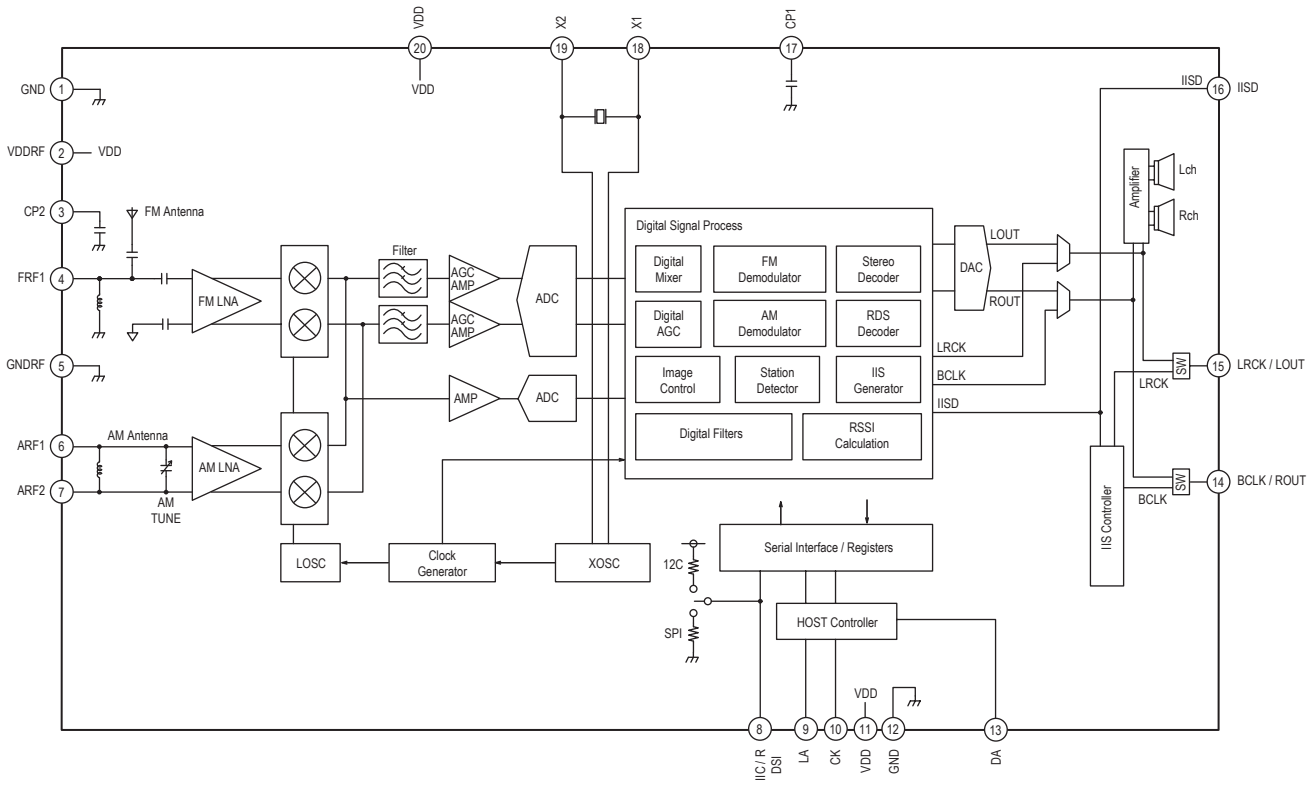
IC1406, IC1407, IC1408, IC1409 IRS2092STRPBF (DAMP BOARD (2/4))



IC1410, IC1411 BA4580RF-E2 (DAMP BOARD (2/4))
IC1405 NJM2903V (TE2) (DAMP BOARD (4/4))
IC301 NJM2903V (TE2) (MAIN BOARD (2/4))



IC1602 RS5B800-0002E2 (TUNER BOARD)



• **IC Pin Function Descriptions**

MAIN BOARD (1/4) IC100 R5F3650KBDFA (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	FL-DATA	O	Serial data output signal to FL Driver, PT6324
2	FL-CLK	O	Serial data clock signal to FL Driver, PT6324
3	LED-DRIVER-LATCH	O	Latch Signal to LED Driver, R8A66166SP
4	SIRCS	I	Remote control signal input
5	LED-DRIVER-DATA	O	Serial data output signal to LED Driver, R8A66166SP
6	/LED-DRIVER-OE	O	Output Enable Signal to LED Driver, R8A66166SP
7	LED-DRIVER-CLK	O	Serial data clock signal to LED Driver, R8A66166SP
8	BYTE	-	Ground terminal
9	CNVSS	-	Ground terminal
10	XC-IN	I	Sub system clock input terminal (32.768kHz)
11	XC-OUT	O	Sub system clock output terminal (32.768kHz)
12	RESET	I	System reset signal input from the reset signal IC "L": reset After the power supply rises, "L" is input for several hundreds msec and then change to "H".
13	XOUT	O	Main system clock output terminal (8MHz)
14	VSS	-	Ground terminal
15	XIN	I	Main system clock input terminal (8MHz)
16	VCC	-	Power supply terminal (+3.3V)
17	NMI	I	Non-maskable interrupt input terminal
18	TRG-SW	I	CDM Triggering switch
19	AC-CUT	I	AC off detection signal input from the reset signal IC "L": AC Cut detected
20	ST-RDS	I	Input for RDS Text Detect Signal (L: RDS Detect)
21	/FL-DRIVER-CS	O	Serial data chip select signal to FL Driver, PT6324
22	ST-CLK	I/O	Tuner IC: Data signal for IIC communcation
23	NO-USE	O	Unused
24	ST-DATA	I/O	Tuner IC: Clock signal for IIC communcation
25	VBUS-OE	O	MTK Vbus Output enable control pin
26	DAMP-CLK	O	Clock to Digital Amp
27	/HUB-OC1	I	USB Overcurrent Detection input port 1
28	/HUB-OC2	I	USB Overcurrent Detection input port 2
29	I2C-CLK	I/O	Clock signal for IIC communcation between Master Control controller and Display Control controller
30	I2C-DATA	I/O	Data signal for IIC communcation between Master Control controller and Display Control controller
31	TXD1	I	Unused
32	RXD1	I	Unused
33	CLK1	I	Unused
34	RTS1	I	Unused
35	MTK-SOD	O	Data Out Signal to MTK DMB Board
36	MTK-SIO	I	Data In Signal from MTK DMB Board
37	MTK-CLK	I	Clock Signal from MTK DMB Board
38	DIGITAL_SEL	O	Digital Selector Pin
39	CLKOUT	O	Unused
40	MTK-BUSY	O	BUSY Signal communication between MTK Board
41	MTK-XIFCS	I	Chip Select Signal from MTK DMB Board
42	MTK-RESET	O	MTK DMB Board reset pin
43	MTK_POWER_CTRL	O	Power Control pin for MTK DMB board
44	HUB-RESET	O	MTK Hub Board reset pin
45	HUB-VBUS-DETECT	O	Hub Power (V-DET) Control Port
46	FLASH-MEMORY	O	Update software recovery
47	AUDIO-DATA	O	Serial data output to audio signal processor, R2A15216FP
48	NO-USE	O	Unused
49	AUDIO-CLK	O	Serial data transfer clock signal output to audio signal processor, R2A15216FP
50	NO-USE	O	Unused
51	/LINE-MUTE	O	Muting Control Switch for all speaker mute control pin. "L": MUTE on

Pin No.	Pin Name	I/O	Description
52	SPK-L-LED-RED	O	Speaker Left RED LED Control Pin. “H”: LED on
53	SPK-L-LED-BLUE	O	Speaker Left BLUE LED Control Pin. “H”: LED on
54	SPK-R-LED-RED	O	Speaker RIGHT RED LED Control Pin. “H”: LED on
55	SPK-R-LED-BLUE	O	Speaker RIGHT BLUE LED Control Pin. “H”: LED on
56	NO-USE	O	Unused
57	NO-USE	O	Unused
58	SUB-ON	O	Main power on/off control signal output “H”:power on
59	PCONT-SUB	O	13.5V & 7V Power Switch Control pin. “H”: 13V
60	FAN-EN	O	Fan Control Switch “H”: fan on
61	/FANBLOCK	I	Fan Block Detection Pin. “L”: Block On
62	VCC2	-	Power supply terminal (+3.3V)
63	PCONT-MAIN	O	Digital Amp Module Power Control Pin. “H”: ON
64	VSS	-	Ground terminal
65	NO-USE	O	Unused
66	NO-USE	O	Unused
67	MIC-DATA-IN	I	VACS level detection signal (A/D input)
68	AD-KEY-0	I	Key input terminal (A/D input)
69	NO-USE	O	Unused
70	/DAMP-RESET	O	Digital Amp Reset Pin
71	/SD-SLOW	I	Digital Amp Shutdown Protection Detect on Amplifier Pin. “L”: Protect on’
72	/SD-FAST	I	Protection Detect on power supply Pin. “L”: Protect on’
73	NO-USE	O	Unused
74	NO-USE	O	Unused
75	RESONANCE	I	Resonance Protection Detection Pin
76	NO-USE	O	Unused
77	DSP-DATA	I/O	DSP IC: Data signal for IIC communcation
78	DSP-CLK	I/O	DSP IC: Clock signal for IIC communcation
79	DSP-RESET	O	DSP reset pin
80	MIC-DETECT	I	Mic Input Detection pin. “H”: Mic detected
81	NO-USE	O	Unused
82	USBA-LED-BLUE	O	USB A LED Control Pin. “H”: LED on
83	NO-USE	O	Unused
84	TRYOPENPWM	O	CDM tray open PWM
85	CKSW	I	CDM chucking switch
86	OCSW	I	CDM open close switch
87	REV	O	CDM motor revious
88	FWR	O	CDM motor forward
89	STBY-LED	O	Standby LED
90	DEST-IN	I	Destination setting terminal (A/D input)
91	NO-USE	O	Unused
92	MTK-POWER-MONITOR	I	MTK DMB Board power monitor input pin (A/D input)
93	NO-USE	O	Unused
94	AD-KEY-1	I	Key input terminal (A/D input)
95	USBB-LED-RED	O	USB B RED LED Control Pin. “H”: LED on
96	AVSS	I	Ground terminal (for A/D conversion)
97	MASTER-VOLUME	I	Jog dial pulse input from the MASTER VOLUME encoder (A/D input)
98	VREF	I	A/D Converter reference voltage input terminal (+3.3V)
99	AVCC	-	Power supply terminal (+3.3V) (for A/D conversion)
100	USBB-LED-BLUE	O	USB B BLUE LED Control Pin. “H”: LED on

DMB21 BOARD (2/3) IC101 CXD9968R (LE)

Pin No.	Pin Name	I/O	Description
1	RF_A	I	RF main beam (C) input from the optical pick-up block
2	RF_B	I	RF main beam (B) input from the optical pick-up block
3	RF_C	I	RF main beam (A) input from the optical pick-up block
4	RF_D	I	RF main beam (D) input from the optical pick-up block
5	RF_E	I	RF sub beam (F) input from the optical pick-up block
6	RF_F	I	RF sub beam (E) input from the optical pick-up block
7	AVDD18_2	-	Power supply terminal (+1.8V)
8	AVDD33_1	-	Power supply terminal (+3.3V)
9	XTALI	I	System clock input terminal (27 MHz)
10	XTALO	O	System clock output terminal (27 MHz)
11	AGND33	-	Ground terminal
12	V2O	O	Reference voltage (+2V) output to the optical pick-up block
13	V14/VREFO	O	Reference voltage (+1.4V) output terminal
14	REXT	I	Current reference input terminal Fixed at “L” in this set
15, 16	MDI1, MDI2	I	Laser power monitor input from the optical pick-up block
17, 18	LDO1, LDO2	O	Laser diode drive signal output to the optical pick-up block
19	AVDD33_2	-	Power supply terminal (+3.3V)
20	DMO	O	Spindle motor control signal output to the motor driver
21	FMO	O	Sled motor control signal output to the motor driver
22	MUTE4	O	Muting signal output to the coil/motor driver (for spindle motor)
23	MSW	O	CD/DVD selection signal output terminal “L”: CD, “H”: DVD
24	TRO	O	Tracking coil control signal output to the coil driver
25	FOO	O	Focus coil control signal output to the coil driver
26	EEWP	-	Not used
27, 28	USB_DP, USB_DM	I/O	Two-way audio serial data with the USB controller
29	VDD33_USB	-	Power supply terminal (+3.3V)
30	VSS33_USB	-	Ground terminal
31	PAD_VRT	I/O	USB generating reference current terminal
32	VDD18_USB	-	Power supply terminal (+1.8V)
33	SCL	O	Serial clock signal output terminal Not used
34	SDA	I/O	Two-way serial data bus terminal Not used
35	IFSDI	I	Serial data input from the system controller
36	FS_CS#	O	Chip select signal output to the flash ROM
37	SF_DO	O	Serial data output to the flash ROM
38	SF_DI	I	Serial data input from the flash ROM
39	SF_CK	O	Serial clock signal output to the flash ROM
40	IFSCK	O	Serial data transfer clock signal output to the system controller
41	IFSOD	O	Serial data output to the system controller
42	ICE	I	ICE mode enable setting terminal Not used
43	PRST#	I	Reset signal input from the system controller “L”: reset
44	IR	I	IR control signal input terminal Not used
45 to 49	RD0 to RD4	I/O	Two-way data bus with the SD-RAM
50	DVDD33	-	Power supply terminal (+3.3V)
51 to 53	RD5 to RD7	I/O	Two-way data bus with the SD-RAM
54	DVDD18	-	Power supply terminal (+1.8V)
55	DQM0	O	Data mask signal output to the SD-RAM
56 to 59	RD15 to RD 12	I/O	Two-way data bus with the SD-RAM
60	DVSS33	-	Ground terminal
61 to 64	RD11 to RD8	I/O	Two-way data bus with the SD-RAM
65	DQM1	O	Data mask signal output to the SD-RAM
66	RCLK	O	Clock signal output to the SD-RAM
67	RA11	O	Address signal output to the SD-RAM
68	DVDD33	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
69 to 74	RA9 to RA4	O	Address signal output to the SD-RAM
75	RWE#	O	Write enable signal output to the SD-RAM
76	CAS#	O	Column address strobe signal output to the SD-RAM
77	RAS#	O	Row address strobe signal output to the SD-RAM
78	BA0	O	Bank address signal output to the SD-RAM
79	DVSS18	-	Ground terminal
80	BA1	O	Bank address signal output to the SD-RAM
81 to 83	RA10, RA0, RA1	O	Address signal output to the SD-RAM
84	DVDD33	-	Power supply terminal (+3.3V)
85, 86	RA2, RA3	O	Address signal output to the SD-RAM
87	IFBSY	I	Communication initialization request signal input from the system controller
88	IFCS#	O	Communication initialization request acknowledge signal output to the system controller
89	RX	-	Not used
90	DVDD18	-	Power supply terminal (+1.8V)
91	TX	-	Not used
92	XMAMUTE	-	Not used
93	SPDIF	O	SPDIF signal output terminal Not used
94	GPIO	I	Thermal shut down signal input from the coil/motor driver
95	DACVDDC	-	Power supply terminal (+3.3V)
96	VREF	I	Band gap reference voltage terminal
97	FS	I	Full scale adjustment terminal
98	DACVSSC	-	Ground terminal
99	CVBS	O	Composite video signal output terminal Not used
100, 101	DACVDDB, DACVDDA	-	Power supply terminal (+3.3V)
102	SY/Y/G	O	Component video (Y) signal output terminal Not used
103	SC/CB/B	O	Component video (Pb/Cb) signal output terminal Not used
104	CR/R	O	Component video (Pr/Cr) signal output terminal Not used
105	AADVSS	-	Ground terminal
106	GPIO19	I	Audio data input from the A/D converter (for USB)
107	MUTE123	-	Not used
108	LIMITSW	-	Not used
109, 110	AADVDD, APLLVDD	-	Power supply terminal (+3.3V)
111	APLLCAP	I	External capacitor connecting terminal
112, 113	ADACVSS2, ADACVSS1	-	Ground terminal
114	GPIO	O	Master clock signal output to the A/D converter and D/A converter
115	GPIO	O	Bit clock signal output to the A/D converter and D/A converter
116	GPIO	O	Muting signal output to the coil/motor driver (for focus/tracking coil and sled motor)
117	AVCM	-	Audio D/A converter reference voltage terminal
118	GPIO	I	Limit detection switch input terminal
119	GPIO	O	L/R sampling clock signal output to the A/D converter and D/A converter
120	GPIO	O	Audio data output to the D/A converter
121, 122	ADACVDD1, ADACVDD2	-	Power supply terminal (+3.3V)
123	AVDD18_1	-	Power supply terminal (+1.8V)
124	AGND18	-	Ground terminal
125, 126	RF_IP, OPOUT	I	AC coupled RF signal input from the optical pick-up block
127	IOPMON/OPINP	I	Power monitor terminal
128	SPFG/OPINN	I	Spindle motor hall sensor input from the motor driver

SECTION 6
EXPLODED VIEWS

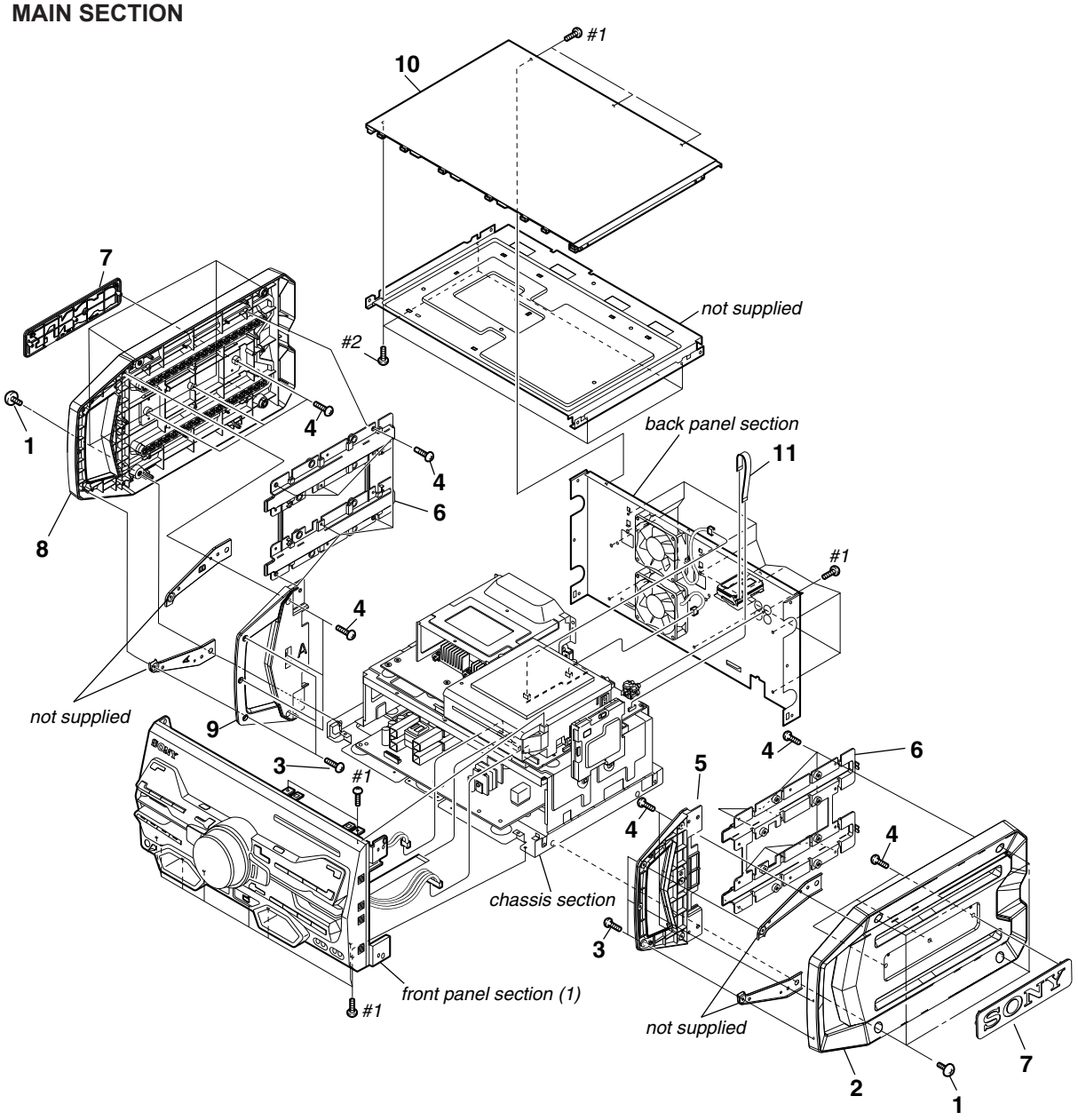
Note:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Accessories are given in the last of this parts list.

- Abbreviation
  E2 : 120 V AC area in E model
  E51 : Chilean and Peruvian models
  EA : Saudi Arabia model
  MX : Mexican model
  MY : Malaysia model
  SAF : South African model

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

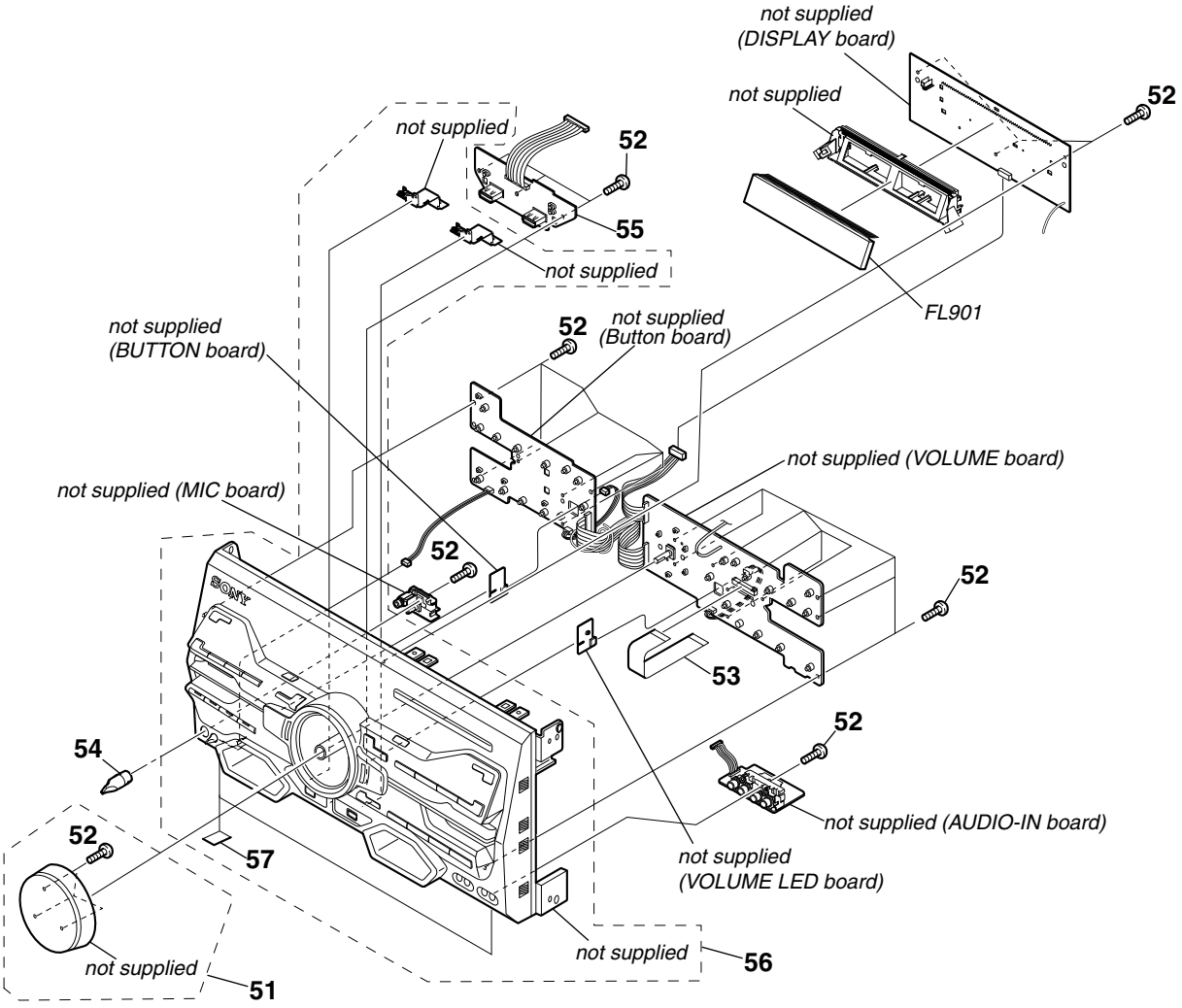
6-1. MAIN SECTION



Ref. No.	Part No.	Description	Remark
1	4-874-614-62	SCREW(1) (3.5 X 16), TAPPING	
2	4-275-639-01	PANEL, SIDE B	
3	3-363-099-02	SCREW (CASE 3 TP2)	
4	3-087-053-01	+BVTP2.6 (3CR)	
5	4-275-641-01	HANDLE, COVER B	
6	4-291-803-01	COVER, HOLE	
7	4-277-991-01	PLATE, SONY	

Ref. No.	Part No.	Description	Remark
8	4-275-638-01	PANEL, SIDE A	
9	4-275-640-01	HANDLE, COVER A	
10	4-275-642-01	PANEL, TOP (E2, E51, MX)	
10	4-275-642-11	PANEL, TOP (SAF, EA, MY)	
11	1-828-944-51	WIRE (FLAT TYPE) (7 CORE)	
#1	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	
#2	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

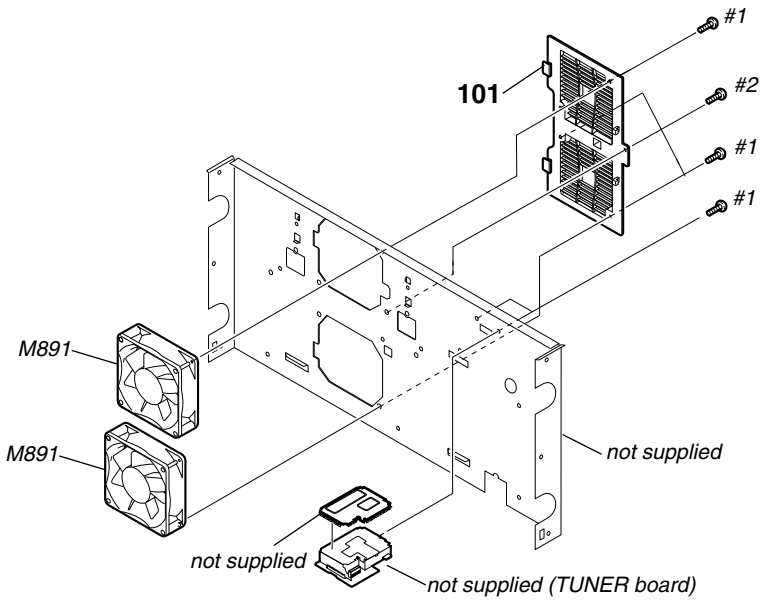
6-2. FRONT PANEL SECTION (1)



Ref. No.	Part No.	Description	Remark
51	X-2581-185-1	KNOB VOLUME, ASSY	
52	3-087-053-01	+BVTP2.6 (3CR)	
53	1-829-021-51	WIRE (FLAT TYPE) (23 CORE)	
54	2-895-507-01	KNOB (MIC)	
55	A-1820-972-A	USB BOARD, COMPLETE	

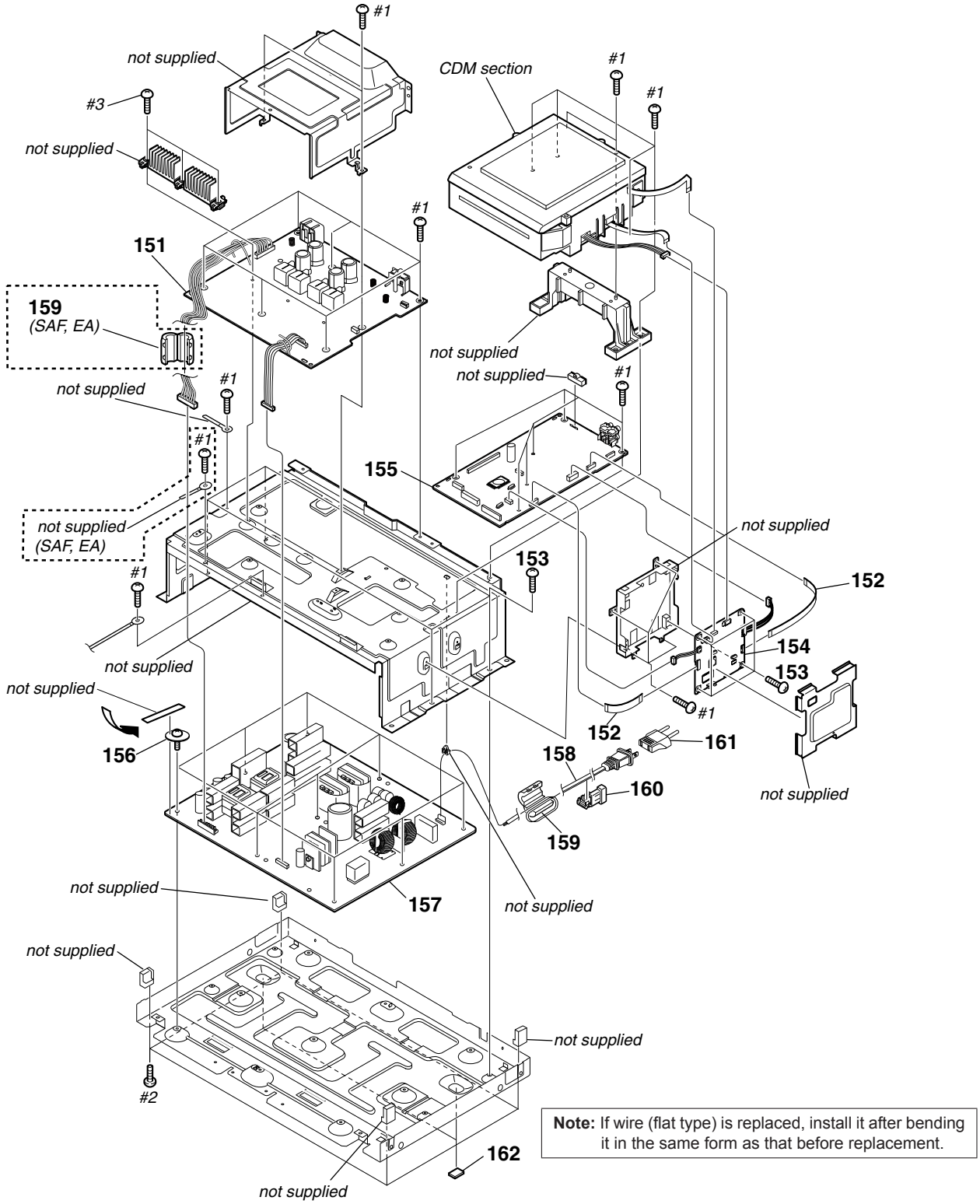
Ref. No.	Part No.	Description	Remark
56	X-2581-184-1	PANEL FRONT, ASSY	
57	4-176-619-01	FOOT, RUBBER	
FL901	1-483-367-11	VACUUM FLUORESCENT DISPLAY	

6-3. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark
101	4-275-644-01	COVER, FAN	
⚠ M891	1-855-006-11	FAN, DC	
#1	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	
#2	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

6-4. CHASSIS SECTION

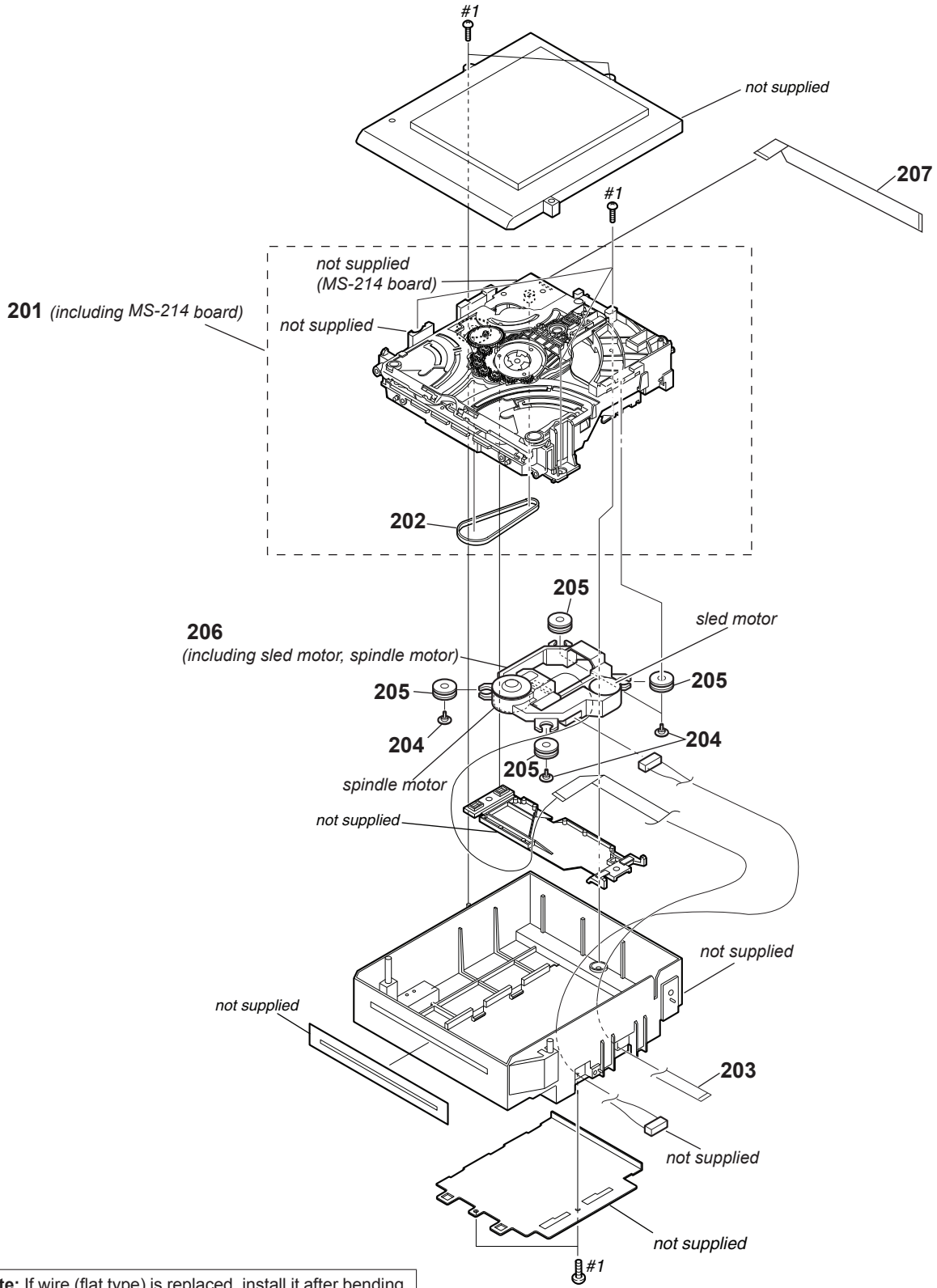


Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

Ref. No.	Part No.	Description	Remark
151	A-1820-978-A	DAMP BOARD, COMPLETE	
152	1-828-328-51	WIRE (FLAT TYPE) (13 CORE)	
153	3-077-331-01	+BV3 (3-CR)	
154	A-1820-980-A	DMB21 BOARD, COMPLETE	
155	A-1820-965-A	MAIN BOARD, COMPLETE (E2, E51)	
155	A-1820-984-A	MAIN BOARD, COMPLETE (EA)	
155	A-1833-646-A	MAIN BOARD, COMPLETE (MX)	
155	A-1833-653-A	MAIN BOARD, COMPLETE (MY)	
156	4-295-657-01	SCREW, WASHER (M3)	
157	1-474-315-11	SWITCHING REGULATOR	

Ref. No.	Part No.	Description	Remark
158	1-837-344-11	CORD, POWER SUPPLY (E2, E51, MX)	
158	1-838-939-11	CORD, POWER (SAF)	
158	1-838-969-11	POWER-SUPPLY CORD (EA, MY)	
159	1-457-369-12	CORE, FERRITE	
160	4-966-267-12	BUSHING (FBS001), CORD	
161	1-569-007-12	ADAPTOR, CONVERSION 2P (E2, E51)	
162	4-176-619-01	FOOT, RUBBER	
#1	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	
#2	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-685-874-09	SCREW +BVTT 3X12(S)	

6-5. CDM SECTION



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

Ref. No.	Part No.	Description	Remark
201	A-1114-646-A	MD (AU) ASSY (including MS-214 board)	
202	4-245-653-01	BELT (MOT)	
203	1-828-252-51	WIRE (FLAT TYPE) (24 CORE)	
204	3-087-599-01	INSULATOR SCREW	
205	2-634-618-31	INSULATOR	

Ref. No.	Part No.	Description	Remark
⚠ 206	8-820-322-04	DEVICE, OPTICAL KHM-313CAB/C2RP (including sled motor, spindle motor)	
207	1-828-300-11	WIRE (FLAT TYPE) (7 CORE)	
#1	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	

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.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

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

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

- Abbreviation
  E2 : 120V AC area in E model
  E51 : Chilean and Peruvian models
  EA : Saudi Arabia model
  MX : Mexican model
  MY : Malaysia model
  SAF : South African model

Ref. No.	Part No.	Description			Remark
		AUDIO-IN BOARD			
		**********			
		< CAPACITOR >			
C1200	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1201	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1202	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1203	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1204	1-100-385-91	CERAMIC CHIP	0.47uF		25V
C1205	1-100-385-91	CERAMIC CHIP	0.47uF		25V
C1206	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1207	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< DIODE >			
D1200	6-500-848-01	DIODE MC2840-T112-1			
D1201	6-500-848-01	DIODE MC2840-T112-1			
		< JACK >			
J1200	1-764-767-21	JACK, PIN 2P (TV)			
J1201	1-764-767-21	JACK, PIN 2P (PC)			
		< RESISTOR >			
R1200	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1201	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1202	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1203	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1204	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1205	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1206	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1207	1-216-838-11	METAL CHIP	27K	5%	1/10W
**********					
		BUTTON BOARD			
		**********			
		< DIODE >			
D1251	6-502-469-01	DI SLI-325URT31WR			
D1256	6-503-224-02	DI 1L0352V22F3MIT02			
D1257	6-503-224-02	DI 1L0352V22F3MIT02			
D1258	6-503-224-02	DI 1L0352V22F3MIT02			
D1259	6-503-224-02	DI 1L0352V22F3MIT02			
		< JUMPER RESISTOR >			
JR1201	1-216-296-11	SHORT CHIP	0		
JR1250	1-216-296-11	SHORT CHIP	0		
JR1251	1-216-296-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
JR1252	1-216-296-11	SHORT CHIP	0		
JR1253	1-216-296-11	SHORT CHIP	0		
JR1254	1-216-864-11	SHORT CHIP	0		
		< RESISTOR >			
R1250	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1257	1-216-819-11	METAL CHIP	680	5%	1/10W
R1259	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1261	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1263	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1264	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1265	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1267	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1268	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1269	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1270	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1271	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
		< SWITCH >			
S1250	1-771-410-21	SWITCH, TACTILE (FLANGER)			
S1251	1-771-410-21	SWITCH, TACTILE (I/⏻)			
S1252	1-771-410-21	SWITCH, TACTILE (ISOLATOR)			
S1253	1-771-410-21	SWITCH, TACTILE (SEARCH)			
S1254	1-771-410-21	SWITCH, TACTILE (SOUND FLASH)			
S1255	1-771-410-21	SWITCH, TACTILE (GROOVE)			
S1256	1-771-410-21	SWITCH, TACTILE (PHASER)			
S1257	1-771-410-21	SWITCH, TACTILE (PRESET EQ)			
S1258	1-771-410-21	SWITCH, TACTILE (REC TO USB)			
S1259	1-771-410-21	SWITCH, TACTILE (RETURN)			
S1260	1-771-410-21	SWITCH, TACTILE (🗀-)			
S1261	1-771-410-21	SWITCH, TACTILE (▶II)			
S1262	1-771-410-21	SWITCH, TACTILE (TUNING - ⏮◀◀)			
**********					
		BUTTON LED BOARD			
		**********			
		< CONNECTOR >			
CN1280	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< DIODE >			
D1280	6-503-224-02	DI 1L0352V22F3MIT02			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R1280	1-257-173-91	METAL CHIP	560	5%	1/3W
**********					
	A-1820-978-A	DAMP BOARD, COMPLETE (E2, E51, MX, MY)			
	A-1842-418-A	DAMP BOARD, COMPLETE (SAF, EA)			
		**********			
		< CAPACITOR >			
C1400	1-126-935-11	ELECT	470uF	20%	16V
C1401	1-126-948-11	ELECT	100uF	20%	35V
C1402	1-126-948-11	ELECT	100uF	20%	35V
C1405	1-126-947-11	ELECT	47uF	20%	35V
C1406	1-126-947-11	ELECT	47uF	20%	35V
C1407	1-137-909-91	CERAMIC CHIP	0.22uF	10%	35V
C1408	1-137-909-91	CERAMIC CHIP	0.22uF	10%	35V
C1409	1-126-964-11	ELECT	10uF	20%	50V
C1410	1-126-964-11	ELECT	10uF	20%	50V
C1411	1-126-964-11	ELECT	10uF	20%	50V
C1412	1-126-964-11	ELECT	10uF	20%	50V
C1413	1-126-964-11	ELECT	10uF	20%	50V
C1414	1-126-964-11	ELECT	10uF	20%	50V
C1415	1-126-964-11	ELECT	10uF	20%	50V
C1416	1-126-964-11	ELECT	10uF	20%	50V
C1424	1-127-813-11	ELECT (BLOCK)	3300uF	20%	71V
C1425	1-127-813-11	ELECT (BLOCK)	3300uF	20%	71V
C1429	1-126-964-11	ELECT	10uF	20%	50V
C1430	1-126-964-11	ELECT	10uF	20%	50V
C1431	1-127-813-11	ELECT (BLOCK)	3300uF	20%	71V
C1432	1-127-813-11	ELECT (BLOCK)	3300uF	20%	71V
C1435	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1436	1-126-923-91	ELECT	220uF	20%	10V
C1437	1-126-923-91	ELECT	220uF	20%	10V
C1439	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1440	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1441	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1442	1-137-909-91	CERAMIC CHIP	0.22uF	10%	35V
C1450	1-126-947-11	ELECT	47uF	20%	35V
C1456	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1457	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1458	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1459	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1460	1-126-964-11	ELECT	10uF	20%	50V
C1461	1-126-964-11	ELECT	10uF	20%	50V
C1462	1-126-964-11	ELECT	10uF	20%	50V
C1463	1-126-964-11	ELECT	10uF	20%	50V
C1468	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V
C1469	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C1470	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V
C1471	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C1473	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1474	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1475	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1476	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1477	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1478	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1479	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1480	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1481	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1482	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1483	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1484	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1485	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1486	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1487	1-112-514-91	CERAMIC CHIP	1500PF	5%	50V
C1488	1-112-514-91	CERAMIC CHIP	1500PF	5%	50V
C1489	1-112-514-91	CERAMIC CHIP	1500PF	5%	50V
C1490	1-112-514-91	CERAMIC CHIP	1500PF	5%	50V
C1491	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1492	1-112-514-91	CERAMIC CHIP	1500PF	5%	50V
C1493	1-112-514-91	CERAMIC CHIP	1500PF	5%	50V
C1494	1-112-514-91	CERAMIC CHIP	1500PF	5%	50V
C1495	1-112-514-91	CERAMIC CHIP	1500PF	5%	50V
C1496	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C1497	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1498	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C1499	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1500	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C1501	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1502	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C1503	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1504	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1505	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1506	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1507	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1508	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1509	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1510	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1511	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1512	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1513	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1514	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1515	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1516	1-114-236-21	CERAMIC CHIP	22uF	10%	25V
C1517	1-114-236-21	CERAMIC CHIP	22uF	10%	25V
C1518	1-114-236-21	CERAMIC CHIP	22uF	10%	25V
C1519	1-114-236-21	CERAMIC CHIP	22uF	10%	25V
C1520	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C1521	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C1522	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C1523	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C1524	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1525	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1526	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1527	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1528	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1529	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1530	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1531	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1532	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1533	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1534	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1535	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1536	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1537	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1538	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1539	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1540	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1541	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1542	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V

Ref. No.	Part No.	Description			Remark
C1543	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1544	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1545	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1546	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1547	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1556	1-126-960-11	ELECT	1uF	20%	50V
C1557	1-116-881-11	FILM	0.47uF	5%	250V
					(E2, E51, MX, MY)
C1558	1-126-960-11	ELECT	1uF	20%	50V
C1559	1-116-881-11	FILM	0.47uF	5%	250V
					(E2, E51, MX, MY)
C1562	1-126-960-11	ELECT	1uF	20%	50V
C1563	1-116-881-11	FILM	0.47uF	5%	250V
					(E2, E51, MX, MY)
C1564	1-126-960-11	ELECT	1uF	20%	50V
C1565	1-116-881-11	FILM	0.47uF	5%	250V
					(E2, E51, MX, MY)
C1566	1-114-754-91	CERAMIC CHIP	0.1uF	10%	250V
C1567	1-114-754-91	CERAMIC CHIP	0.1uF	10%	250V
C1568	1-114-754-91	CERAMIC CHIP	0.1uF	10%	250V
C1569	1-114-754-91	CERAMIC CHIP	0.1uF	10%	250V
C1572	1-126-964-11	ELECT	10uF	20%	50V
C1574	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1578	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
C1579	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
C1580	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1581	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
C1582	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
C1584	1-126-963-11	ELECT	4.7uF	20%	50V
C1585	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1586	1-100-245-21	CERAMIC CHIP	0.001uF	10%	250V
C1587	1-100-245-21	CERAMIC CHIP	0.001uF	10%	250V
C1588	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1589	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1590	1-100-245-21	CERAMIC CHIP	0.001uF	10%	250V
C1591	1-100-245-21	CERAMIC CHIP	0.001uF	10%	250V
C1592	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1605	1-126-964-11	ELECT	10uF	20%	50V
C1606	1-126-964-11	ELECT	10uF	20%	50V
C1607	1-126-964-11	ELECT	10uF	20%	50V
C1608	1-126-964-11	ELECT	10uF	20%	50V
C1614	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C1615	1-164-862-11	CERAMIC CHIP	33PF	5%	50V
C1616	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1617	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1618	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1619	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1620	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1624	1-125-898-11	CERAMIC CHIP	0.22uF	10%	50V
C1626	1-125-898-11	CERAMIC CHIP	0.22uF	10%	50V
C1627	1-125-898-11	CERAMIC CHIP	0.22uF	10%	50V
C1628	1-125-898-11	CERAMIC CHIP	0.22uF	10%	50V
C1629	1-126-923-91	ELECT	220uF	20%	10V
C1634	1-100-565-91	CERAMIC CHIP	0.47uF	10%	35V
					(E2, E51, MX, MY)
C1635	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1638	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1639	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1640	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1643	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1655	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V

Ref. No.	Part No.	Description			Remark
C1656	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1665	1-114-754-91	MYLAR	0.01uF	5%	250V
C1666	1-114-754-91	MYLAR	0.01uF	5%	250V
C1667	1-114-754-91	MYLAR	0.01uF	5%	250V
C1668	1-114-754-91	MYLAR	0.01uF	5%	250V
C1669	1-118-020-11	FILM	0.56uF	5%	250V
					(SAF, EA)
C1670	1-118-020-11	FILM	0.56uF	5%	250V
					(SAF, EA)
C1671	1-118-020-11	FILM	0.56uF	5%	250V
					(SAF, EA)
C1672	1-118-020-11	FILM	0.56uF	5%	250V
					(SAF, EA)
C1673	1-126-947-11	ELECT	47uF	20%	35V
		< CONNECTOR >			
CN1400	1-842-784-11	CONNECTOR, BOARD TO BOARD 14P			
CN1401	1-842-784-11	CONNECTOR, BOARD TO BOARD 14P			
* CN1404	1-564-506-11	PLUG, CONNECTOR 3P			
* CN1405	1-564-506-11	PLUG, CONNECTOR 3P			
		< DIODE >			
D1406	6-502-976-01	DI DZ2J150M0L			
D1407	6-502-976-01	DI DZ2J150M0L			
D1408	6-502-970-01	DI DZ2J068M0L			
D1409	6-502-970-01	DI DZ2J068M0L			
D1410	6-502-966-01	DI DZ2J056M0L			
D1411	6-502-966-01	DI DZ2J056M0L			
D1412	6-503-042-01	DI DZ2J330M0L			
D1413	6-502-974-01	DI DZ2J140M0L			
D1414	6-500-334-01	DIODE MC2836-T112-1			
D1415	6-502-961-01	DI DA2J10100L			
D1417	6-502-961-01	DI DA2J10100L			
D1418	6-502-961-01	DI DA2J10100L			
D1419	6-502-961-01	DI DA2J10100L			
D1420	6-502-961-01	DI DA2J10100L			
D1421	6-503-469-01	DI RF05VA2STR			
D1422	6-503-469-01	DI RF05VA2STR			
D1423	6-503-469-01	DI RF05VA2STR			
D1424	6-503-469-01	DI RF05VA2STR			
D1425	6-503-469-01	DI RF05VA2STR			
D1426	6-503-469-01	DI RF05VA2STR			
D1427	6-503-469-01	DI RF05VA2STR			
D1428	6-503-469-01	DI RF05VA2STR			
D1430	6-500-335-01	DIODE MC2838-T112-1			
D1431	6-503-469-01	DI RF05VA2STR			
D1432	6-503-469-01	DI RF05VA2STR			
D1433	6-503-469-01	DI RF05VA2STR			
D1434	6-503-469-01	DI RF05VA2STR			
D1435	6-500-335-01	DIODE MC2838-T112-1			
D1438	6-502-967-01	DI DZ2J06200L			
D1439	6-502-970-01	DI DZ2J068M0L			
D1442	6-500-335-01	DIODE MC2838-T112-1			
D1443	6-500-334-01	DIODE MC2836-T112-1			
D1444	6-502-961-01	DI DA2J10100L			
D1448	6-500-335-01	DIODE MC2838-T112-1			
D1449	6-500-334-01	DIODE MC2836-T112-1			
D1450	6-502-961-01	DI DA2J10100L			
D1451	6-502-961-01	DI DA2J10100L			
D1452	6-502-961-01	DI DA2J10100L			
D1453	6-502-961-01	DI DA2J10100L			

Ref. No.	Part No.	Description	Remark
		< IC >	
IC1400	8-759-982-17	IC RC7818FA	
IC1401	8-759-982-42	IC RC7918FA	
IC1402	6-717-191-01	IC KIA7812AF-RTF/PW	
IC1403	8-759-394-76	IC NJM2068M-D-TE2	
IC1404	8-759-394-76	IC NJM2068M-D-TE2	
IC1405	8-759-338-95	IC NJM2903V (TE2)	
IC1406	6-716-579-01	IC IRS2092STRPBF	
IC1407	6-716-579-01	IC IRS2092STRPBF	
IC1408	6-716-579-01	IC IRS2092STRPBF	
IC1409	6-716-579-01	IC IRS2092STRPBF	
IC1410	6-717-488-01	IC BA4580RF-E2	
IC1411	6-717-488-01	IC BA4580RF-E2	
		< COIL >	
L1400	1-481-819-11	INDUCTOR 22uH	
L1401	1-481-819-11	INDUCTOR 22uH	
L1402	1-481-819-11	INDUCTOR 22uH	
L1403	1-481-819-11	INDUCTOR 22uH	
L1404	1-457-078-11	AIR-CORE COIL	
L1405	1-457-078-11	AIR-CORE COIL	
L1406	1-457-078-11	AIR-CORE COIL	
L1407	1-457-078-11	AIR-CORE COIL	
L1408	1-414-406-11	INDUCTOR 220uH	
		< TRANSISTOR >	
Q1400	8-729-036-86	TRANSISTOR KTC3203Y-AT	
Q1401	6-551-268-01	TRANSISTOR 2SC5625	
Q1402	6-551-690-01	TRANSISTOR RT3N11M-TP-1	
Q1403	6-552-812-01	TR KTC1027-Y-AT/P	
Q1404	6-552-810-01	TR KTA1023-Y-AT/P	
Q1405	6-551-690-01	TRANSISTOR RT3N11M-TP-1	
Q1407	6-551-693-01	TRANSISTOR RT3T11M-TP-1	
Q1410	6-551-699-01	TR ISA1602AM1-T111-1EF	
Q1411	6-551-699-01	TR ISA1602AM1-T111-1EF	
Q1412	6-551-699-01	TR ISA1602AM1-T111-1EF	
Q1413	6-551-699-01	TR ISA1602AM1-T111-1EF	
Q1414	6-551-272-01	TRANSISTOR RT3CLLM	
Q1415	6-551-272-01	TRANSISTOR RT3CLLM	
Q1416	6-551-272-01	TRANSISTOR RT3CLLM	
Q1417	6-551-272-01	TRANSISTOR RT3CLLM	
Q1418	6-552-698-01	TR IRF6775MTR1PBF	
Q1419	6-552-698-01	TR IRF6775MTR1PBF	
Q1420	6-552-698-01	TR IRF6775MTR1PBF	
Q1421	6-552-698-01	TR IRF6775MTR1PBF	
Q1422	6-552-698-01	TR IRF6775MTR1PBF	
Q1423	6-552-698-01	TR IRF6775MTR1PBF	
Q1424	6-552-698-01	TR IRF6775MTR1PBF	
Q1425	6-552-698-01	TR IRF6775MTR1PBF	
Q1426	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1427	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1428	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1429	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1430	6-551-270-01	TRANSISTOR 2SA2026	
Q1431	6-551-270-01	TRANSISTOR 2SA2026	
Q1432	6-551-270-01	TRANSISTOR 2SA2026	
Q1433	6-551-270-01	TRANSISTOR 2SA2026	
Q1439	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1441	8-729-036-86	TRANSISTOR KTC3203Y-AT	
Q1443	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	

Ref. No.	Part No.	Description	Remark
Q1444	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1445	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1446	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1447	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1448	6-551-699-01	TR ISA1602AM1-T111-1EF	
Q1449	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
Q1451	6-552-681-01	TR RT3NDDM-T111-1	
Q1453	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q1454	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1455	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1456	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1457	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1458	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q1460	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q1469	6-551-268-01	TRANSISTOR 2SC5625	
Q1470	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q1475	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
Q1476	8-729-036-86	TRANSISTOR KTC3203Y-AT	
		< RESISTOR >	
R1409	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1410	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1412	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1413	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1426	1-227-869-21	METAL CHIP 100 5% 1/2W	
R1429	1-227-869-21	METAL CHIP 100 5% 1/2W	
R1430	1-215-892-11	METAL OXIDE 1K 5% 2W	
R1435	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1436	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1437	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1438	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1439	1-216-838-11	METAL CHIP 27K 5% 1/10W	
R1440	1-216-838-11	METAL CHIP 27K 5% 1/10W	
R1441	1-216-838-11	METAL CHIP 27K 5% 1/10W	
R1442	1-216-838-11	METAL CHIP 27K 5% 1/10W	
R1443	1-216-846-11	METAL CHIP 120K 5% 1/10W	
R1444	1-216-846-11	METAL CHIP 120K 5% 1/10W	
R1445	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1446	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1447	1-216-846-11	METAL CHIP 120K 5% 1/10W	
R1448	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1449	1-216-846-11	METAL CHIP 120K 5% 1/10W	
R1450	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1451	1-218-990-81	SHORT CHIP 0	
R1457	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1458	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1459	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1460	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1461	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1462	1-216-793-11	METAL CHIP 4.7 5% 1/10W	
R1463	1-216-793-11	METAL CHIP 4.7 5% 1/10W	
R1464	1-216-793-11	METAL CHIP 4.7 5% 1/10W	
R1465	1-216-793-11	METAL CHIP 4.7 5% 1/10W	
R1468	1-216-793-11	METAL CHIP 4.7 5% 1/10W	
R1469	1-216-793-11	METAL CHIP 4.7 5% 1/10W	
R1470	1-216-793-11	METAL CHIP 4.7 5% 1/10W	
R1471	1-216-793-11	METAL CHIP 4.7 5% 1/10W	
R1473	1-218-965-11	METAL CHIP 10K 5% 1/16W	
R1474	1-208-699-11	METAL CHIP 4.7K 0.5% 1/16W	
R1475	1-216-833-11	METAL CHIP 10K 5% 1/10W	

Ref. No.	Part No.	Description			Remark
R1476	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1477	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1478	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1480	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R1481	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1482	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1483	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1484	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1485	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1486	1-218-981-91	METAL CHIP	220K	5%	1/16W
R1487	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1488	1-218-981-91	METAL CHIP	220K	5%	1/16W
R1489	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1490	1-218-981-91	METAL CHIP	220K	5%	1/16W
R1491	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1492	1-218-981-91	METAL CHIP	220K	5%	1/16W
R1494	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1495	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1496	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1497	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1498	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1499	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1500	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1501	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1502	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1503	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1504	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1505	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1506	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R1507	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R1508	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R1509	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R1510	1-248-057-81	METAL CHIP	1K	0.5%	1/16W
R1511	1-248-057-81	METAL CHIP	1K	0.5%	1/16W
R1512	1-248-057-81	METAL CHIP	1K	0.5%	1/16W
R1513	1-248-057-81	METAL CHIP	1K	0.5%	1/16W
R1514	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1515	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R1516	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1517	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R1518	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1519	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R1520	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1521	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R1522	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1523	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1524	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1525	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1526	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1527	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1528	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1529	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1530	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1531	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1532	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1533	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1534	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R1535	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R1536	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R1537	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W

Ref. No.	Part No.	Description			Remark
R1538	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R1539	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R1540	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R1541	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R1542	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1543	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1544	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1545	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1546	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1547	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1548	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1549	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1550	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1551	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1554	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1555	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1556	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1557	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1558	1-216-797-11	METAL CHIP	10	5%	1/10W
R1559	1-216-797-11	METAL CHIP	10	5%	1/10W
R1560	1-216-797-11	METAL CHIP	10	5%	1/10W
R1561	1-216-797-11	METAL CHIP	10	5%	1/10W
R1562	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1563	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1564	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1565	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1566	1-216-801-11	METAL CHIP	22	5%	1/10W
R1567	1-216-801-11	METAL CHIP	22	5%	1/10W
R1568	1-216-801-11	METAL CHIP	22	5%	1/10W
R1569	1-216-801-11	METAL CHIP	22	5%	1/10W
R1570	1-216-801-11	METAL CHIP	22	5%	1/10W
R1571	1-216-801-11	METAL CHIP	22	5%	1/10W
R1572	1-216-801-11	METAL CHIP	22	5%	1/10W
R1573	1-216-801-11	METAL CHIP	22	5%	1/10W
R1574	1-216-797-11	METAL CHIP	10	5%	1/10W
R1575	1-216-797-11	METAL CHIP	10	5%	1/10W
R1576	1-216-797-11	METAL CHIP	10	5%	1/10W
R1577	1-216-797-11	METAL CHIP	10	5%	1/10W
R1578	1-250-312-21	METAL CHIP	10	5%	1/2W
R1579	1-250-312-21	METAL CHIP	10	5%	1/2W
R1580	1-250-312-21	METAL CHIP	10	5%	1/2W
R1581	1-250-312-21	METAL CHIP	10	5%	1/2W
R1582	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1583	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1584	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1585	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1586	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1587	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1588	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1589	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1592	1-257-172-91	METAL CHIP	100	5%	1/3W
R1594	1-257-172-91	METAL CHIP	100	5%	1/3W
R1595	1-216-809-11	METAL CHIP	100	5%	1/10W
R1599	1-216-809-11	METAL CHIP	100	5%	1/10W
R1600	1-216-809-11	METAL CHIP	100	5%	1/10W
R1601	1-216-809-11	METAL CHIP	100	5%	1/10W
R1602	1-216-222-00	RES-CHIP	10K	0.5%	1/8W
R1603	1-216-222-00	RES-CHIP	10K	0.5%	1/8W
R1604	1-216-222-00	RES-CHIP	10K	0.5%	1/8W
R1607	1-216-845-11	METAL CHIP	100K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1608	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1610	1-216-222-00	RES-CHIP	10K	0.5%	1/8W
R1611	1-216-222-00	RES-CHIP	10K	0.5%	1/8W
R1612	1-216-222-00	RES-CHIP	10K	0.5%	1/8W
R1613	1-216-222-00	RES-CHIP	10K	0.5%	1/8W
R1614	1-216-222-00	RES-CHIP	10K	0.5%	1/8W
R1618	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1619	1-216-843-11	METAL CHIP	68K	5%	1/10W
R1620	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1621	1-216-843-11	METAL CHIP	68K	5%	1/10W
R1622	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1625	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1630	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1638	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R1642	1-216-851-11	METAL CHIP	330K	5%	1/10W
R1643	1-216-851-11	METAL CHIP	330K	5%	1/10W
R1644	1-216-851-11	METAL CHIP	330K	5%	1/10W
R1645	1-216-851-11	METAL CHIP	330K	5%	1/10W
R1647	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1652	1-216-796-11	METAL CHIP	8.2	5%	1/10W
R1654	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1655	1-216-796-11	METAL CHIP	8.2	5%	1/10W
R1657	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1660	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1661	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1662	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R1663	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R1664	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R1665	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R1667	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1668	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1669	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1670	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1671	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1672	1-215-892-11	METAL OXIDE	1K	5%	2W
R1673	1-216-809-11	METAL CHIP	100	5%	1/10W
R1676	1-215-892-11	METAL OXIDE	1K	5%	2W
R1679	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1680	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1681	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1682	1-216-843-11	METAL CHIP	68K	5%	1/10W
R1683	1-216-843-11	METAL CHIP	68K	5%	1/10W
R1684	1-216-864-11	SHORT CHIP	0		
R1685	1-216-864-11	SHORT CHIP	0		
R1686	1-216-864-11	SHORT CHIP	0		
R1687	1-216-864-11	SHORT CHIP	0		
R1688	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1689	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1690	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1691	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1693	1-227-869-21	METAL CHIP	100	5%	1/2W
R1694	1-227-869-21	METAL CHIP	100	5%	1/2W
R1698	1-216-864-11	SHORT CHIP	0		
R1701	1-216-864-11	SHORT CHIP	0		
R1704	1-216-842-11	METAL CHIP	56K	5%	1/10W
R1705	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1706	1-216-842-11	METAL CHIP	56K	5%	1/10W
R1707	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1708	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1709	1-216-847-11	METAL CHIP	150K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1710	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1711	1-216-847-11	METAL CHIP	150K	5%	1/10W
R1715	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1716	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1717	1-216-847-11	METAL CHIP	150K	5%	1/10W
R1718	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1728	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1729	1-216-847-11	METAL CHIP	150K	5%	1/10W
R1731	1-216-819-11	METAL CHIP	680	5%	1/10W
R1736	1-131-664-91	CERAMIC CHIP	0.15uF	10%	10V (SAF, EA)
R1744	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1745	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1746	1-216-846-11	METAL CHIP	120K	5%	1/10W
R1747	1-216-846-11	METAL CHIP	120K	5%	1/10W
R1750	1-257-172-91	METAL CHIP	100	5%	1/3W
R1751	1-257-172-91	METAL CHIP	100	5%	1/3W
R1758	1-257-172-91	METAL CHIP	100	5%	1/3W
R1759	1-257-172-91	METAL CHIP	100	5%	1/3W
R1760	1-257-172-91	METAL CHIP	100	5%	1/3W
R1761	1-257-172-91	METAL CHIP	100	5%	1/3W
R1762	1-257-172-91	METAL CHIP	100	5%	1/3W
R1763	1-257-172-91	METAL CHIP	100	5%	1/3W
R1764	1-257-172-21	RES, CHIP	100 (3216)		
R1765	1-257-172-21	RES, CHIP	100 (3216)		
R1771	1-216-864-11	SHORT CHIP	0		
R1772	1-216-797-11	METAL CHIP	10	5%	1/10W
R1774	1-216-797-11	METAL CHIP	10	5%	1/10W
R1775	1-216-796-11	METAL CHIP	8.2	5%	1/10W
R1780	1-216-846-11	METAL CHIP	120K	5%	1/10W
R1781	1-257-172-21	RES, CHIP	100 (3216)		
R1782	1-257-172-21	RES, CHIP	100 (3216)		
R1783	1-257-172-21	RES, CHIP	100 (3216)		
R1784	1-257-172-21	RES, CHIP	100 (3216)		
R1785	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1806	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1807	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1808	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1812	1-216-797-11	METAL CHIP	10	5%	1/10W
R1813	1-216-797-11	METAL CHIP	10	5%	1/10W
R1814	1-216-797-11	METAL CHIP	10	5%	1/10W
R1815	1-216-797-11	METAL CHIP	10	5%	1/10W
		< TERMINAL >			
TB1400	1-780-886-11	TERMINAL BOARD (SPEAKER) (LOW SPEAKER L/R IMPEDANCE USE 4Ω)			
TB1401	1-780-897-11	TERMINAL BOARD, (SPEAKER) (HIGH SPEAKER L/R IMPEDANCE USE 4Ω)			
		< THERMISTOR >			
TH1400	1-804-045-11	THERMISTOR			
TH1401	1-804-045-11	THERMISTOR			
TH1402	1-804-045-11	THERMISTOR			
TH1403	1-804-045-11	THERMISTOR			
**********					
		DISPLAY BOARD			
		**********			
		< CAPACITOR >			
C901	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V

Ref. No.	Part No.	Description			Remark
C902	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C907	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C908	1-126-513-11	ELECT	47uF	20%	6.3V
C915	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C918	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C920	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C925	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C926	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C930	1-128-131-11	ELECT	22uF	20%	50V
C952	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C953	1-126-786-11	ELECT	47uF	20%	16V
C956	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C957	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C958	1-126-966-11	ELECT	33uF	20%	50V
C959	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
		< CONNECTOR >			
* CN900	1-564-726-11	PIN, CONNECTOR (SMALL TYPE) 10P			
		< DIODE >			
D901	6-503-469-01	DI RF05VA2STR			
D902	6-502-970-01	DI DZ2J068M0L			
D903	6-503-469-01	DI RF05VA2STR			
D904	6-503-469-01	DI RF05VA2STR			
D905	6-503-469-01	DI RF05VA2STR			
		< FLUORESCENT INDICATOR TUBE >			
FL901	1-483-367-11	VACUUM FLUORESCENT DISPLAY			
		< IC >			
IC901	6-717-584-01	IC PT6324-LQ			
IC982	6-600-768-01	IC PNA4823M03S0			
		< JUMPER RESISTOR >			
JR400	1-216-296-11	SHORT CHIP	0		
JR900	1-216-296-11	SHORT CHIP	0		
JR901	1-216-296-11	SHORT CHIP	0		
JR902	1-216-296-11	SHORT CHIP	0		
JR903	1-216-296-11	SHORT CHIP	0		
JR904	1-216-296-11	SHORT CHIP	0		
JR905	1-216-296-11	SHORT CHIP	0		
JR906	1-216-296-11	SHORT CHIP	0		
JR907	1-216-296-11	SHORT CHIP	0		
JR908	1-216-296-11	SHORT CHIP	0		
JR909	1-216-296-11	SHORT CHIP	0		
JR910	1-216-296-11	SHORT CHIP	0		
JR911	1-216-296-11	SHORT CHIP	0		
JR912	1-216-296-11	SHORT CHIP	0		
JR913	1-216-296-11	SHORT CHIP	0		
JR914	1-216-296-11	SHORT CHIP	0		
JR915	1-216-296-11	SHORT CHIP	0		
JR916	1-216-296-11	SHORT CHIP	0		
JR917	1-216-296-11	SHORT CHIP	0		
JR918	1-216-296-11	SHORT CHIP	0		
JR919	1-216-296-11	SHORT CHIP	0		
JR920	1-216-296-11	SHORT CHIP	0		
JR921	1-216-296-11	SHORT CHIP	0		
JR922	1-216-296-11	SHORT CHIP	0		
JR923	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
		< COIL >			
L900	1-412-541-41	INDUCTOR	220uH		
		< TRANSISTOR >			
Q900	6-551-272-01	TRANSISTOR	RT3CLLM		
Q901	6-551-272-01	TRANSISTOR	RT3CLLM		
Q902	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q904	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q906	6-552-829-01	TR 2SC5865TLR			
Q907	6-552-829-01	TR 2SC5865TLR			
		< RESISTOR >			
R900	1-216-801-11	METAL CHIP	22	5%	1/10W
R901	1-216-845-11	METAL CHIP	100K	5%	1/10W
R902	1-216-813-11	METAL CHIP	220	5%	1/10W
R903	1-216-817-11	METAL CHIP	470	5%	1/10W
R904	1-216-817-11	METAL CHIP	470	5%	1/10W
R905	1-216-821-11	METAL CHIP	1K	5%	1/10W
R906	1-216-821-11	METAL CHIP	1K	5%	1/10W
R907	1-216-821-11	METAL CHIP	1K	5%	1/10W
R908	1-216-821-11	METAL CHIP	1K	5%	1/10W
R909	1-216-821-11	METAL CHIP	1K	5%	1/10W
R910	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R911	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R912	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R913	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R914	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R915	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R916	1-216-821-11	METAL CHIP	1K	5%	1/10W
R917	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R918	1-216-839-11	METAL CHIP	33K	5%	1/10W
R919	1-257-172-91	METAL CHIP	100	5%	1/3W
R920	1-257-172-91	METAL CHIP	100	5%	1/3W
R922	1-216-864-11	SHORT CHIP	0		
		< TRANSFORMER >			
⚠ T900	1-697-047-11	DC-DC CONVERTER TRANSFORMER			
**********					
	A-1820-980-A	DMB21 BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C101	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C102	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C105	1-128-994-21	ELECT CHIP	47uF	20%	10V
C106	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C108	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V
C111	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C112	1-128-994-21	ELECT CHIP	47uF	20%	10V
C113	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C115	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C118	1-124-779-00	ELECT CHIP	10uF	20%	16V
C119	1-137-710-91	CERAMIC CHIP	10uF	20%	6.3V
C124	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C125	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C126	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C127	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V

Ref. No.	Part No.	Description			Remark
C144	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C145	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C146	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C149	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C150	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C151	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C152	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
C153	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C154	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C155	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C156	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C160	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C168	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C169	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C172	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C175	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C179	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C181	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C183	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C185	1-128-994-21	ELECT CHIP	47uF	20%	10V
C188	1-114-214-81	CERAMIC CHIP	470PF	5%	50V
C189	1-128-994-21	ELECT CHIP	47uF	20%	10V
C190	1-165-492-21	ELECT CHIP	100uF	20%	10V
C191	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C192	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C193	1-165-887-91	CERAMIC CHIP	0.22uF	10%	6.3V
C195	1-165-887-91	CERAMIC CHIP	0.22uF	10%	6.3V
C197	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C198	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C199	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C203	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C205	1-164-882-11	CERAMIC CHIP	220PF	5%	16V
C206	1-164-882-11	CERAMIC CHIP	220PF	5%	16V
C208	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C209	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C210	1-100-567-81	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	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C214	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C215	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C216	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C217	1-117-681-11	ELECT CHIP	100uF	20%	16V
C218	1-128-994-21	ELECT CHIP	47uF	20%	10V
C219	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C220	1-128-994-21	ELECT CHIP	47uF	20%	10V
C221	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C222	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C223	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C224	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C225	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C226	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C233	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C602	1-165-492-21	ELECT CHIP	100uF	20%	10V
C603	1-165-492-21	ELECT CHIP	100uF	20%	10V
C604	1-165-492-21	ELECT CHIP	100uF	20%	10V
* C608	1-114-582-11	CERAMIC CHIP	0.1uF	10%	16V
C611	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C620	1-107-820-81	CERAMIC CHIP	0.1uF		16V

Ref. No.	Part No.	Description			Remark
C621	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C622	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C623	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C1504	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1505	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1506	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C1507	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1513	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C4602	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C4603	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C4606	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C4608	1-124-779-00	ELECT CHIP	10uF	20%	16V
C4622	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C4623	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C4626	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C4628	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C4629	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C4630	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C4631	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C4632	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C4633	1-124-779-00	ELECT CHIP	10uF	20%	16V
C4634	1-124-779-00	ELECT CHIP	10uF	20%	16V
C4635	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C4636	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C4637	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C4638	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C4639	1-164-860-11	CERAMIC CHIP	27PF	5%	50V
C4640	1-164-862-11	CERAMIC CHIP	33PF	5%	50V
C4641	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4642	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C4643	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C4644	1-124-779-00	ELECT CHIP	10uF	20%	16V
C4645	1-107-820-81	CERAMIC CHIP	0.1uF		16V
C4650	1-100-567-81	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
CN109	1-784-865-51	CONNECTOR, FFC (LIF (NON-ZIF)) 13P
CN201	1-770-161-21	PIN, CONNECTOR (PC BOARD) 6P
CN202	1-784-859-51	CONNECTOR, FFC (LIF (NON-ZIF)) 7P
CN602	1-774-297-21	PIN, CONNECTOR (PC BOARD) 7P
CN1108	1-770-160-21	PIN, CONNECTOR (PC BOARD) 2P
CN4604	1-784-865-51	CONNECTOR, FFC (LIF (NON-ZIF)) 13P

< DIODE >

D001	6-500-848-01	DIODE MC2840-T112-1
D002	6-500-848-01	DIODE MC2840-T112-1
D003	6-500-848-01	DIODE MC2840-T112-1
D004	6-500-848-01	DIODE MC2840-T112-1
D005	6-500-848-01	DIODE MC2840-T112-1

< TERMINAL, LUG >

*	ET001	1-780-408-11	TERMINAL, LUG
*	ET002	1-780-408-11	TERMINAL, LUG
*	ET003	1-780-408-11	TERMINAL, LUG
*	ET004	1-780-408-11	TERMINAL, LUG

Ref. No.	Part No.	Description			Remark
		< FERRITE BEAD >			
FB108	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB603	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB607	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB1114	1-500-903-21	EMI FERRITE (SMD)			
FB1264	1-469-118-21	FERRITE, EMI (SMD) (1608)			
FB1265	1-469-118-21	FERRITE, EMI (SMD) (1608)			
FB1266	1-469-118-21	FERRITE, EMI (SMD) (1608)			
FB1267	1-469-118-21	FERRITE, EMI (SMD) (1608)			
FB1268	1-469-118-21	FERRITE, EMI (SMD) (1608)			
		< FLUORESCENT INDICATOR TUBE >			
FL603	1-234-494-21	FILTER, EMI REMOVAL (SMD)			
		< IC >			
IC101	6-714-821-01	IC CXD9968R (LE)			
IC102	(Not supplied)	IC W25Q16BVSSIG			
IC104	6-714-642-01	IC EM638165 TSA-6G			
IC107	6-716-993-01	IC MM1836A33NRE			
IC111	6-706-838-01	IC MM1661JHBE			
IC201	6-704-524-01	IC FAN8036L			
IC4601	6-710-554-01	IC PCM1808PWR			
IC4602	6-707-111-01	IC PCM1753DBQR			
IC4605	(Not supplied)	IC TAS3108DCPR			
IC4607	6-707-800-01	IC SRC4182			
IC4608	8-759-680-48	IC TC7WH157FK			
IC4609	8-759-698-31	IC TC7WH74FK			
		< TRANSISTOR >			
Q101	6-550-008-01	TRANSISTOR	UM6K1N-TN		
Q102	6-550-653-01	TRANSISTOR	QST8TR		
Q103	8-729-029-06	TRANSISTOR	DTC124EUA-T106		
		< RESISTOR >			
R101	1-216-809-11	METAL CHIP	100	5%	1/10W
R102	1-218-990-81	SHORT CHIP	0		
R103	1-218-864-11	METAL CHIP	5.1K	0.5%	1/10W
R107	1-218-965-11	METAL CHIP	10K	5%	1/16W
R108	1-216-857-11	METAL CHIP	1M	5%	1/10W
R109	1-216-809-11	METAL CHIP	100	5%	1/10W
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
R113	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R114	1-216-845-11	METAL CHIP	100K	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
R117	1-216-841-11	METAL CHIP	47K	5%	1/10W
R118	1-216-801-11	METAL CHIP	22	5%	1/10W
R120	1-216-801-11	METAL CHIP	22	5%	1/10W
R121	1-216-801-11	METAL CHIP	22	5%	1/10W
R122	1-216-833-11	METAL CHIP	10K	5%	1/10W
R123	1-216-809-11	METAL CHIP	100	5%	1/10W
R124	1-216-841-11	METAL CHIP	47K	5%	1/10W
R125	1-216-833-11	METAL CHIP	10K	5%	1/10W
R133	1-218-990-81	SHORT CHIP	0		
R136	1-218-967-11	METAL CHIP	15K	5%	1/16W
R142	1-218-977-11	METAL CHIP	100K	5%	1/16W
R154	1-216-295-91	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R155	1-216-295-91	SHORT CHIP	0		
R156	1-218-941-81	METAL CHIP	100	5%	1/16W
R204	1-218-954-11	METAL CHIP	1.2K	5%	1/16W
R205	1-218-965-11	METAL CHIP	10K	5%	1/16W
R206	1-218-965-11	METAL CHIP	10K	5%	1/16W
R207	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R208	1-218-971-11	METAL CHIP	33K	5%	1/16W
R209	1-218-971-11	METAL CHIP	33K	5%	1/16W
R210	1-218-973-11	METAL CHIP	47K	5%	1/16W
R212	1-218-965-11	METAL CHIP	10K	5%	1/16W
R213	1-218-963-11	METAL CHIP	6.8K	5%	1/16W
R214	1-218-967-11	METAL CHIP	15K	5%	1/16W
R215	1-218-966-11	METAL CHIP	12K	5%	1/16W
R216	1-218-966-11	METAL CHIP	12K	5%	1/16W
R219	1-218-970-11	METAL CHIP	27K	5%	1/16W
R220	1-216-821-11	METAL CHIP	1K	5%	1/10W
R221	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R223	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R224	1-218-965-11	METAL CHIP	10K	5%	1/16W
R225	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R226	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R227	1-218-990-81	SHORT CHIP	0		
R228	1-218-990-81	SHORT CHIP	0		
R230	1-218-893-11	METAL CHIP	82K	0.5%	1/10W
R231	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R232	1-218-877-11	METAL CHIP	18K	0.5%	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
R236	1-218-953-11	METAL CHIP	1K	5%	1/16W
R237	1-218-953-11	METAL CHIP	1K	5%	1/16W
R238	1-218-953-11	METAL CHIP	1K	5%	1/16W
R239	1-218-953-11	METAL CHIP	1K	5%	1/16W
R246	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R247	1-218-953-11	METAL CHIP	1K	5%	1/16W
R254	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R255	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R256	1-218-965-11	METAL CHIP	10K	5%	1/16W
R521	1-218-965-11	METAL CHIP	10K	5%	1/16W
R601	1-216-295-91	SHORT CHIP	0		
R604	1-216-295-91	SHORT CHIP	0		
R605	1-216-295-91	SHORT CHIP	0		
R606	1-216-295-91	SHORT CHIP	0		
R608	1-216-295-91	SHORT CHIP	0		
R611	1-216-295-91	SHORT CHIP	0		
R612	1-216-295-91	SHORT CHIP	0		
R630	1-218-990-81	SHORT CHIP	0		
R1101	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R1105	1-216-295-91	SHORT CHIP	0		
R1110	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R1121	1-218-990-81	SHORT CHIP	0		
R1123	1-218-990-81	SHORT CHIP	0		
R1129	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1150	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R1151	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1152	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1168	1-218-947-11	METAL CHIP	330	5%	1/16W
R1177	1-218-990-81	SHORT CHIP	0		
R1178	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1184	1-218-941-81	METAL CHIP	100	5%	1/16W
R1191	1-218-990-81	SHORT CHIP	0		

Note: IC102 and IC4605 on the DMB21 board cannot exchange with single. When these parts on the DMB21 board are damaged, exchange the entire mounted board.

Ref. No.	Part No.	Description			Remark
R1192	1-218-990-81	SHORT CHIP	0		
R1193	1-218-990-81	SHORT CHIP	0		
R1194	1-218-990-81	SHORT CHIP	0		
R1213	1-216-295-91	SHORT CHIP	0		
R1248	1-218-990-81	SHORT CHIP	0		
R1249	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1250	1-216-295-91	SHORT CHIP	0		
R1252	1-216-295-91	SHORT CHIP	0		
R1255	1-216-295-91	SHORT CHIP	0		
R1256	1-216-295-91	SHORT CHIP	0		
R1261	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1262	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1263	1-216-864-11	SHORT CHIP	0		
R1269	1-218-941-81	METAL CHIP	100	5%	1/16W
R1276	1-218-990-81	SHORT CHIP	0		
R1277	1-218-941-81	METAL CHIP	100	5%	1/16W
R1278	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1279	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1280	1-218-990-81	SHORT CHIP	0		
R1281	1-218-990-81	SHORT CHIP	0		
R1282	1-218-990-81	SHORT CHIP	0		
R1283	1-216-864-11	SHORT CHIP	0		
R1290	1-216-295-91	SHORT CHIP	0		
R2502	1-218-953-11	METAL CHIP	1K	5%	1/16W
R2505	1-218-990-81	SHORT CHIP	0		
R2506	1-218-989-11	METAL CHIP	1M	5%	1/16W
R2507	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R4601	1-218-941-81	METAL CHIP	100	5%	1/16W
R4602	1-218-941-81	METAL CHIP	100	5%	1/16W
R4606	1-218-933-11	METAL CHIP	22	5%	1/16W
R4608	1-218-990-81	SHORT CHIP	0		
R4609	1-218-990-81	SHORT CHIP	0		
R4611	1-218-990-81	SHORT CHIP	0		
R4833	1-216-864-11	SHORT CHIP	0		
R4834	1-216-864-11	SHORT CHIP	0		
R4835	1-216-295-91	SHORT CHIP	0		
R4837	1-216-864-11	SHORT CHIP	0		
R4838	1-216-864-11	SHORT CHIP	0		
R4839	1-218-990-81	SHORT CHIP	0		
R4841	1-218-937-11	METAL CHIP	47	5%	1/16W
R4842	1-218-937-11	METAL CHIP	47	5%	1/16W
R4843	1-218-965-11	METAL CHIP	10K	5%	1/16W
R4844	1-218-941-81	METAL CHIP	100	5%	1/16W
R4845	1-218-941-81	METAL CHIP	100	5%	1/16W
R4846	1-218-941-81	METAL CHIP	100	5%	1/16W
R4847	1-218-941-81	METAL CHIP	100	5%	1/16W
R4848	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R4849	1-216-295-91	SHORT CHIP	0		
R4850	1-218-990-81	SHORT CHIP	0		
R4851	1-218-941-81	METAL CHIP	100	5%	1/16W
R4852	1-218-937-11	METAL CHIP	47	5%	1/16W
R4853	1-218-937-11	METAL CHIP	47	5%	1/16W
R4854	1-218-937-11	METAL CHIP	47	5%	1/16W
R4855	1-218-990-81	SHORT CHIP	0		
R4856	1-218-965-11	METAL CHIP	10K	5%	1/16W
R4857	1-218-965-11	METAL CHIP	10K	5%	1/16W
R4858	1-218-937-11	METAL CHIP	47	5%	1/16W
R4859	1-218-937-11	METAL CHIP	47	5%	1/16W
R4861	1-218-941-81	METAL CHIP	100	5%	1/16W
R4862	1-218-937-11	METAL CHIP	47	5%	1/16W
R4867	1-218-937-11	METAL CHIP	47	5%	1/16W
R4870	1-218-941-81	METAL CHIP	100	5%	1/16W
R4871	1-218-941-81	METAL CHIP	100	5%	1/16W
R4872	1-218-941-81	METAL CHIP	100	5%	1/16W
R4873	1-218-990-81	SHORT CHIP	0		
R4874	1-218-990-81	SHORT CHIP	0		
R4876	1-218-990-81	SHORT CHIP	0		
R4877	1-218-937-11	METAL CHIP	47	5%	1/16W
R4878	1-218-937-11	METAL CHIP	47	5%	1/16W
R4879	1-218-965-11	METAL CHIP	10K	5%	1/16W
		< COMPOSITION CIRCUIT BLOCK >			
RB105	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB106	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB107	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB108	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB111	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB112	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB113	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB114	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB115	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
		< VIBRATOR >			
X002	1-814-415-11	QUARTZ CRYSTAL UNIT (12.288MHZ)			
X101	1-814-417-11	QUARTZ CRYSTAL UNIT (27MHZ)			
**********					
	A-1820-965-A	MAIN BOARD, COMPLETE (E2, E51, MX)			
	A-1820-982-A	MAIN BOARD, COMPLETE (SAF)			
	A-1820-984-A	MAIN BOARD, COMPLETE (EA)			
	A-1833-653-A	MAIN BOARD, COMPLETE (MY)			
		**********			
		< CAPACITOR >			
C100	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C102	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C110	1-164-858-11	CERAMIC CHIP	22PF	5%	50V
C111	1-164-858-11	CERAMIC CHIP	22PF	5%	50V
C113	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C115	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C116	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C127	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C128	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C162	1-117-681-11	ELECT CHIP	100uF	20%	16V
C163	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C165	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C198	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C216	1-117-681-11	ELECT CHIP	100uF	20%	16V
C231	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C232	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C233	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V

Note 1: Refer to the servicing notes “MAIN BOARD DISCRIMINATION” (page 5) for how to distinguish SUFFIX-11 and SUFFIX-12.

Note 2: A part of circuit composition of MAIN board (Suffix-12) has been changed in the midway of production. MAIN board (Suffix-12) that has not been changed appears as TYPE A, and the changed MAIN board (Suffix-12) appears as TYPE B.

Ref. No.	Part No.	Description			Remark
C237	1-137-765-21	ELECT CHIP	47uF	20%	16V
C238	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C239	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
			(SUFFIX-11, SUFFIX-12 (TYPE A))		
C240	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C241	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C242	(Not supplied)	CERAMIC CHIP	0.1uF	10%	25V
				(SUFFIX-12 (TYPE B))	
C250	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V
C267	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V
C298	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C305	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C310	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C311	1-127-692-11	CERAMIC CHIP	10uF	10%	16V
C321	1-127-692-11	CERAMIC CHIP	10uF	10%	16V
C323	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C326	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C327	1-127-692-11	CERAMIC CHIP	10uF	10%	16V
C328	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C332	1-164-858-11	CERAMIC CHIP	22PF	5%	50V
C334	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C335	1-127-692-11	CERAMIC CHIP	10uF	10%	16V
C336	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C337	1-124-779-00	ELECT CHIP	10uF	20%	16V
C338	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C339	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C340	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C341	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C342	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C344	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C345	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C346	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C347	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C411	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C415	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C426	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C435	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C501	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C502	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C503	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C509	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C513	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C518	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C521	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C522	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C524	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C528	1-118-021-91	CERAMIC CHIP	0.12uF	10%	16V
C540	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C541	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C542	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C543	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C545	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C546	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C547	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C548	1-117-681-11	ELECT CHIP	100uF	20%	16V

Ref. No.	Part No.	Description			Remark
C549	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C551	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C554	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C556	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C557	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C558	1-137-765-21	ELECT CHIP	47uF	20%	16V
C559	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C561	1-117-949-81	CERAMIC CHIP	820PF	10%	50V
C562	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C564	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C565	1-117-949-81	CERAMIC CHIP	820PF	10%	50V
C566	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C567	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C568	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C570	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C583	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C605	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C615	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C617	1-118-021-91	CERAMIC CHIP	0.12uF	10%	16V
C620	1-124-779-00	ELECT CHIP	10uF	20%	16V
C627	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C629	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C648	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C649	1-117-681-11	ELECT CHIP	100uF	20%	16V
C651	1-117-681-11	ELECT CHIP	100uF	20%	16V
C659	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C661	1-124-779-00	ELECT CHIP	10uF	20%	16V
C662	1-124-779-00	ELECT CHIP	10uF	20%	16V
C674	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C676	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C678	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C680	1-118-022-91	CERAMIC CHIP	0.15uF	10%	16V
C686	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C691	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C694	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C697	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C698	1-118-022-91	CERAMIC CHIP	0.15uF	10%	16V
C707	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C722	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C723	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C724	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C725	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C726	1-100-385-91	CERAMIC CHIP	0.47uF		25V
C748	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C754	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C760	1-124-779-00	ELECT CHIP	10uF	20%	16V
C761	1-124-779-00	ELECT CHIP	10uF	20%	16V
C767	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C768	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C769	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C770	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C771	1-124-779-00	ELECT CHIP	10uF	20%	16V
C772	1-124-779-00	ELECT CHIP	10uF	20%	16V
C774	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C776	1-162-919-11	CERAMIC CHIP	22PF	5%	50V

Note 1: Refer to the servicing notes “MAIN BOARD DISCRIMINATION” (page 5) for how to distinguish SUFFIX-11 and SUFFIX-12.

Note 2: A part of circuit composition of MAIN board (Suffix-12) has been changed in the midway of production. MAIN board (Suffix-12) that has not been changed appears as TYPE A, and the changed MAIN board (Suffix-12) appears as TYPE B.

Note 3: C242 (TYPE B) on the MAIN board (Suffix-12) cannot exchange with single. When this part on the MAIN board (Suffix-12) is damaged, remove IC103 and C242 (Combination: TYPE B) and replace with IC102 and C239 (Combination: TYPE A).

Ref. No.	Part No.	Description			Remark
C777	1-124-779-00	ELECT CHIP	10uF	20%	16V
C778	1-124-779-00	ELECT CHIP	10uF	20%	16V
C780	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C782	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C783	1-124-779-00	ELECT CHIP	10uF	20%	16V
C784	1-124-779-00	ELECT CHIP	10uF	20%	16V
C800	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C801	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C802	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C803	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C804	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C805	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C806	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C807	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C808	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C809	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C810	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C811	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C812	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C813	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C820	1-126-936-11	ELECT	3300uF	20%	16V
C821	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C823	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C825	1-117-681-11	ELECT CHIP	100uF	20%	16V
C826	1-112-791-11	ELECT CHIP	100uF	20%	16V
C828	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C829	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C831	1-112-795-11	ELECT CHIP	22uF	20%	25V
C833	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C834	1-112-791-11	ELECT CHIP	100uF	20%	16V
C836	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C837	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V
C839	1-112-795-11	ELECT CHIP	22uF	20%	25V
C840	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C841	1-112-791-11	ELECT CHIP	100uF	20%	16V
C843	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C844	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C846	1-112-795-11	ELECT CHIP	22uF	20%	25V
C847	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C850	1-124-779-00	ELECT CHIP	10uF	20%	16V
C851	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C852	1-117-681-11	ELECT CHIP	100uF	20%	16V
C873	1-137-765-21	ELECT CHIP	47uF	20%	16V
C874	1-137-765-21	ELECT CHIP	47uF	20%	16V
C875	1-137-765-21	ELECT CHIP	47uF	20%	16V
C884	1-124-779-00	ELECT CHIP	10uF	20%	16V
C885	1-124-779-00	ELECT CHIP	10uF	20%	16V
C886	1-124-779-00	ELECT CHIP	10uF	20%	16V
C887	1-124-779-00	ELECT CHIP	10uF	20%	16V
C892	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C893	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C894	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
		< CONNECTOR >			
CN100	1-568-673-11	CONNECTOR, BOARD TO BOARD 14P			

Ref. No.	Part No.	Description	Remark
CN102	1-568-673-11	CONNECTOR, BOARD TO BOARD 14P	
CN105	1-784-784-11	CONNECTOR, FFC 23P	
CN106	1-785-728-21	PIN (PC BOARD), CONNECTOR 7P	
CN300	1-784-929-11	PIN, CONNECTOR 14P	
CN302	1-794-509-11	PIN, CONNECTOR (PC BOARD) (3P)	
CN700	1-785-468-51	CONNECTOR, FFC/FPC 13P	
CN701	1-785-728-21	PIN (PC BOARD), CONNECTOR 7P	
CN702	1-785-468-51	CONNECTOR, FFC/FPC 13P	
CN703	1-568-826-11	CONNECTOR, FFC 7P	
CN704	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P (LED SPEAKER R)	
CN705	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P (LED SPEAKER L)	
		< DIODE >	
D167	6-500-848-01	DIODE MC2840-T112-1	
D231	6-502-961-01	DI DA2J10100L	
D232	6-502-961-01	DI DA2J10100L	
D233	6-500-334-01	DIODE MC2836-T112-1	
D267	6-502-961-01	DI DA2J10100L	
D602	6-502-961-01	DI DA2J10100L	
D704	6-500-848-01	DIODE MC2840-T112-1	
		< TERMINAL, LUG >	
* ET300	1-780-408-11	TERMINAL, LUG	
* ET302	1-780-408-11	TERMINAL, LUG	
* ET800	1-780-408-11	TERMINAL, LUG	
		< FUSE >	
⚠ F700	1-523-130-31	FUSE 0.5A 50V	
		< FERRITE BEAD >	
FB300	1-216-295-91	SHORT CHIP 0	
FB302	1-216-295-91	SHORT CHIP 0	
FB750	1-414-445-11	FERRITE, EMI (SMD) (1608)	
FB751	1-414-445-11	FERRITE, EMI (SMD) (1608)	
		< IC >	
IC100	A-1847-995-A	IC R5F3650KBDFA	
IC101	6-704-191-01	IC S-80829CNNB-B8OT2G	
IC102	6-703-639-01	IC TK11140CSCL-G (SUFFIX-11, SUFFIX-12 (TYPE A))	
IC103	(Not supplied)	IC XC6216B402MR (SUFFIX-12 (TYPE B))	
IC300	6-716-675-01	IC USB2512B-AEZG	
IC301	8-759-338-95	IC NJM2903V (TE2)	
IC500	6-712-027-01	IC R2A15216FP	
IC501	8-759-909-71	IC BA4558F	
IC502	8-759-909-71	IC BA4558F	
IC503	8-759-909-71	IC BA4558F	
IC600	8-759-909-71	IC BA4558F	
IC800	6-716-554-11	IC BD9329AEFJ-E2	
IC801	6-716-554-11	IC BD9329AEFJ-E2	
IC802	6-716-554-11	IC BD9329AEFJ-E2	
IC803	6-715-078-01	IC KIA7809AF/API	
IC804	6-716-739-01	IC BD00GC0WEFJ-SE2	

Note 1: Refer to the servicing notes “MAIN BOARD DISCRIMINATION” (page 5) for how to distinguish SUFFIX-11 and SUFFIX-12.

Note 2: A part of circuit composition of MAIN board (Suffix-12) has been changed in the midway of production. MAIN board (Suffix-12) that has not been changed appears as TYPE A, and the changed MAIN board (Suffix-12) appears as TYPE B.

Note 3: IC103 (TYPE B) on the MAIN board (Suffix-12) cannot exchange with single. When this part on the MAIN board (Suffix-12) is damaged, remove IC103 and C242 (Combination: TYPE B) and replace with IC102 and C239 (Combination: TYPE A).

Ref. No.	Part No.	Description			Remark
IC805	8-759-909-71	IC BA4558F			
		< JACK >			
J500	1-794-981-11	JACK, PIN 4P (GAME AUDIO IN R/L, DVD/SAT AUDIO IN R/L)			
		< COIL >			
L751	1-414-406-11	INDUCTOR	220uH		
L803	1-481-903-11	INDUCTOR	33uH		
L804	1-481-903-11	INDUCTOR	33uH		
L805	1-481-903-11	INDUCTOR	33uH		
L806	1-481-903-11	INDUCTOR	33uH		
L807	1-481-903-11	INDUCTOR	33uH		
L808	1-481-903-11	INDUCTOR	33uH		
		< TRANSISTOR >			
Q200	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q203	8-729-038-37	TRANSISTOR	RT1N141M-TP-1		
Q204	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q205	6-551-451-01	TRANSISTOR	2SB1690TL		
Q207	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q301	6-552-681-01	TR RT3NDDM-T111-1			
Q303	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q518	8-729-620-13	TRANSISTOR	2SC4154TP-1EF		
Q528	8-729-620-13	TRANSISTOR	2SC4154TP-1EF		
Q600	6-551-272-01	TRANSISTOR	RT3CLLM		
Q601	6-551-272-01	TRANSISTOR	RT3CLLM		
Q604	6-551-939-01	TR RT3TAAM-TP-1			
Q605	6-551-939-01	TR RT3TAAM-TP-1			
Q606	6-551-939-01	TR RT3TAAM-TP-1			
Q607	6-551-939-01	TR RT3TAAM-TP-1			
Q800	6-551-451-01	TRANSISTOR	2SB1690TL		
Q801	8-729-038-23	TRANSISTOR	RT1N141C-TP-1		
Q803	6-551-551-01	TRANSISTOR	RT3N77M-TP-1		
Q804	6-551-451-01	TRANSISTOR	2SB1690TL		
Q805	6-551-451-01	TRANSISTOR	2SB1690TL		
		< RESISTOR >			
R100	1-218-949-11	METAL CHIP	470	5%	1/16W
R102	1-218-949-11	METAL CHIP	470	5%	1/16W
R103	1-218-941-81	METAL CHIP	100	5%	1/16W
R104	1-218-941-81	METAL CHIP	100	5%	1/16W
R105	1-218-941-81	METAL CHIP	100	5%	1/16W
R107	1-218-941-81	METAL CHIP	100	5%	1/16W
R109	1-218-979-11	METAL CHIP	150K	5%	1/16W
R110	1-245-604-11	METAL CHIP	10M	5%	1/16W
R111	1-218-981-91	METAL CHIP	220K	5%	1/16W
R113	1-218-989-11	METAL CHIP	1M	5%	1/16W
R118	1-216-809-11	METAL CHIP	100	5%	1/10W
R119	1-218-973-11	METAL CHIP	47K	5%	1/16W
R120	1-218-941-81	METAL CHIP	100	5%	1/16W
R121	1-218-945-11	METAL CHIP	220	5%	1/16W
R122	1-218-941-81	METAL CHIP	100	5%	1/16W
R124	1-218-941-81	METAL CHIP	100	5%	1/16W
R125	1-218-941-81	METAL CHIP	100	5%	1/16W
R126	1-218-941-81	METAL CHIP	100	5%	1/16W
R127	1-218-965-11	METAL CHIP	10K	5%	1/16W
R128	1-218-965-11	METAL CHIP	10K	5%	1/16W
R129	1-218-965-11	METAL CHIP	10K	5%	1/16W
R130	1-218-965-11	METAL CHIP	10K	5%	1/16W

Ref. No.	Part No.	Description			Remark
R134	1-218-973-11	METAL CHIP	47K	5%	1/16W
R135	1-218-941-81	METAL CHIP	100	5%	1/16W
R136	1-218-941-81	METAL CHIP	100	5%	1/16W
R137	1-218-941-81	METAL CHIP	100	5%	1/16W
R138	1-218-941-81	METAL CHIP	100	5%	1/16W
R146	1-218-965-11	METAL CHIP	10K	5%	1/16W
R158	1-218-941-81	METAL CHIP	100	5%	1/16W
R159	1-218-941-81	METAL CHIP	100	5%	1/16W
R160	1-218-941-81	METAL CHIP	100	5%	1/16W
R161	1-218-941-81	METAL CHIP	100	5%	1/16W
R163	1-218-941-81	METAL CHIP	100	5%	1/16W
R167	1-218-977-11	METAL CHIP	100K	5%	1/16W
R170	1-218-941-81	METAL CHIP	100	5%	1/16W
R171	1-218-941-81	METAL CHIP	100	5%	1/16W
R172	1-218-941-81	METAL CHIP	100	5%	1/16W
R174	1-218-949-11	METAL CHIP	470	5%	1/16W
R175	1-218-965-11	METAL CHIP	10K	5%	1/16W
R177	1-218-941-81	METAL CHIP	100	5%	1/16W
R178	1-218-941-81	METAL CHIP	100	5%	1/16W
R180	1-218-965-11	METAL CHIP	10K	5%	1/16W
R184	1-216-809-11	METAL CHIP	100	5%	1/10W
R186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R189	1-216-809-11	METAL CHIP	100	5%	1/10W
R190	1-218-953-11	METAL CHIP	1K	5%	1/16W (E2, E51, MX)
R190	1-218-961-11	METAL CHIP	4.7K	5%	1/16W (SAF, EA)
R194	1-218-949-11	METAL CHIP	470	5%	1/16W
R197	1-218-965-11	METAL CHIP	10K	5%	1/16W
R213	1-218-990-81	SHORT CHIP	0		
R222	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R224	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R225	1-218-977-11	METAL CHIP	100K	5%	1/16W
R226	1-218-990-81	SHORT CHIP	0		
R229	1-218-941-81	METAL CHIP	100	5%	1/16W
R230	1-218-941-81	METAL CHIP	100	5%	1/16W
R231	1-218-965-11	METAL CHIP	10K	5%	1/16W
R232	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R238	1-218-965-11	METAL CHIP	10K	5%	1/16W
R239	1-218-990-81	SHORT CHIP	0 (SUFFIX-11)		
R241	1-218-965-11	METAL CHIP	10K	5%	1/16W
R242	1-218-990-81	SHORT CHIP	0 (SUFFIX-11)		
R243	1-218-990-81	SHORT CHIP	0 (SUFFIX-11)		
R258	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R259	1-218-965-11	METAL CHIP	10K	5%	1/16W
R261	1-218-965-11	METAL CHIP	10K	5%	1/16W
R262	1-216-841-11	METAL CHIP	47K	5%	1/10W
R263	1-218-985-11	METAL CHIP	470K	5%	1/16W
R264	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R271	1-218-965-11	METAL CHIP	10K	5%	1/16W
R272	1-218-965-11	METAL CHIP	10K	5%	1/16W
R274	1-218-967-11	METAL CHIP	15K	5%	1/16W
R277	1-218-955-11	METAL CHIP	1.5K	5%	1/16W
R278	1-218-955-11	METAL CHIP	1.5K	5%	1/16W
R285	1-216-833-11	METAL CHIP	10K	5%	1/10W
R290	1-218-947-11	METAL CHIP	330	5%	1/16W (SAF)
R290	1-218-953-11	METAL CHIP	1K	5%	1/16W (EA)
R290	1-218-961-11	METAL CHIP	4.7K	5%	1/16W (E2, E51, MX)

Note: Refer to the servicing notes “MAIN BOARD DISCRIMINATION” (page 5) for how to distinguish SUFFIX-11 and SUFFIX-12.

Ref. No.	Part No.	Description			Remark
R290	1-218-990-81	SHORT CHIP	0 (MY)		
R294	1-218-967-11	METAL CHIP	15K	5%	1/16W
R322	1-218-977-11	METAL CHIP	100K	5%	1/16W
R324	1-218-977-11	METAL CHIP	100K	5%	1/16W
R325	1-218-977-11	METAL CHIP	100K	5%	1/16W
R326	1-218-945-11	METAL CHIP	220	5%	1/16W
R327	1-218-945-11	METAL CHIP	220	5%	1/16W
R328	1-218-977-11	METAL CHIP	100K	5%	1/16W
R330	1-218-990-81	SHORT CHIP	0		
R331	1-218-990-81	SHORT CHIP	0		
R332	1-218-989-11	METAL CHIP	1M	5%	1/16W
R333	1-218-990-81	SHORT CHIP	0		
R335	1-218-873-11	METAL CHIP	12K	0.5%	1/10W
R337	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R338	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R339	1-218-941-81	METAL CHIP	100	5%	1/16W
R340	1-218-941-81	METAL CHIP	100	5%	1/16W
R341	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R342	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R343	1-248-311-11	RES-CHIP	0.1	1%	1/4W
R344	1-248-311-11	RES-CHIP	0.1	1%	1/4W
R426	1-218-977-11	METAL CHIP	100K	5%	1/16W
R502	1-218-941-81	METAL CHIP	100	5%	1/16W
R509	1-216-809-11	METAL CHIP	100	5%	1/10W
R518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R519	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R521	1-218-949-11	METAL CHIP	470	5%	1/16W
R522	1-218-949-11	METAL CHIP	470	5%	1/16W
R526	1-218-990-81	SHORT CHIP	0		
R527	1-218-941-81	METAL CHIP	100	5%	1/16W
R528	1-216-833-11	METAL CHIP	10K	5%	1/10W
R541	1-218-941-81	METAL CHIP	100	5%	1/16W
R542	1-216-821-11	METAL CHIP	1K	5%	1/10W
R543	1-216-845-11	METAL CHIP	100K	5%	1/10W
R544	1-216-801-11	METAL CHIP	22	5%	1/10W
R545	1-218-960-11	METAL CHIP	3.9K	5%	1/16W
R546	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R547	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R548	1-218-960-11	METAL CHIP	3.9K	5%	1/16W
R549	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R550	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R551	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R552	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R557	1-218-965-11	METAL CHIP	10K	5%	1/16W
R558	1-218-965-11	METAL CHIP	10K	5%	1/16W
R559	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R560	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R602	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R603	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R612	1-218-989-11	METAL CHIP	1M	5%	1/16W
R619	1-218-990-81	SHORT CHIP	0		
R620	1-216-841-11	METAL CHIP	47K	5%	1/10W
R626	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R628	1-216-841-11	METAL CHIP	47K	5%	1/10W
R657	1-216-864-11	SHORT CHIP	0		
R658	1-216-864-11	SHORT CHIP	0		
R659	1-216-864-11	SHORT CHIP	0		
R662	1-216-864-11	SHORT CHIP	0		
R673	1-216-835-11	METAL CHIP	15K	5%	1/10W
R674	1-216-833-11	METAL CHIP	10K	5%	1/10W
R675	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R676	1-216-833-11	METAL CHIP	10K	5%	1/10W
R677	1-216-845-11	METAL CHIP	100K	5%	1/10W
R678	1-216-845-11	METAL CHIP	100K	5%	1/10W
R679	1-218-971-11	METAL CHIP	33K	5%	1/16W
R680	1-216-833-11	METAL CHIP	10K	5%	1/10W
R688	1-216-835-11	METAL CHIP	15K	5%	1/10W
R689	1-216-833-11	METAL CHIP	10K	5%	1/10W
R690	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R691	1-216-833-11	METAL CHIP	10K	5%	1/10W
R692	1-216-833-11	METAL CHIP	10K	5%	1/10W
R696	1-216-845-11	METAL CHIP	100K	5%	1/10W
R697	1-216-845-11	METAL CHIP	100K	5%	1/10W
R698	1-218-971-11	METAL CHIP	33K	5%	1/16W
R725	1-257-173-91	METAL CHIP	560	5%	1/3W
R726	1-257-173-91	METAL CHIP	560	5%	1/3W
R727	1-257-173-91	METAL CHIP	560	5%	1/3W
R728	1-257-173-91	METAL CHIP	560	5%	1/3W
R739	1-218-970-11	METAL CHIP	27K	5%	1/16W
R740	1-218-970-11	METAL CHIP	27K	5%	1/16W
R741	1-218-971-11	METAL CHIP	33K	5%	1/16W
R742	1-218-971-11	METAL CHIP	33K	5%	1/16W
R743	1-218-970-11	METAL CHIP	27K	5%	1/16W
R744	1-216-295-91	SHORT CHIP	0		
R745	1-216-295-91	SHORT CHIP	0		
R747	1-218-970-11	METAL CHIP	27K	5%	1/16W
R748	1-218-971-11	METAL CHIP	33K	5%	1/16W
R749	1-218-971-11	METAL CHIP	33K	5%	1/16W
R751	1-218-990-81	SHORT CHIP	0		
R763	1-218-990-81	SHORT CHIP	0		
R782	1-216-809-11	METAL CHIP	100	5%	1/10W
R783	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R784	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R785	1-216-809-11	METAL CHIP	100	5%	1/10W
R786	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R787	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R788	1-216-809-11	METAL CHIP	100	5%	1/10W
R789	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R790	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R791	1-216-809-11	METAL CHIP	100	5%	1/10W
R792	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R793	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R794	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R795	1-216-841-11	METAL CHIP	47K	5%	1/10W
R796	1-216-841-11	METAL CHIP	47K	5%	1/10W
R797	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R798	1-218-990-81	SHORT CHIP	0		
R799	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R801	1-218-969-11	METAL CHIP	22K	5%	1/16W
R802	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R803	1-218-893-11	METAL CHIP	82K	0.5%	1/10W
R804	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R806	1-208-908-11	METAL CHIP	7.5K	0.5%	1/16W
R807	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R808	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R810	1-218-990-81	SHORT CHIP	0		
R812	1-218-966-11	METAL CHIP	12K	5%	1/16W
R814	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R815	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R816	1-218-990-81	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R817	1-218-990-81	SHORT CHIP	0		
R818	1-218-990-81	SHORT CHIP	0		
R819	1-218-965-11	METAL CHIP	10K	5%	1/16W
R820	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R821	1-218-973-11	METAL CHIP	47K	5%	1/16W
R822	1-218-973-11	METAL CHIP	47K	5%	1/16W
R823	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R824	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R825	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R826	1-218-977-11	METAL CHIP	100K	5%	1/16W
R827	1-218-977-11	METAL CHIP	100K	5%	1/16W
R828	1-218-990-81	SHORT CHIP	0		
R830	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R831	1-218-965-11	METAL CHIP	10K	5%	1/16W
R834	1-218-949-11	METAL CHIP	470	5%	1/16W
R835	1-218-965-11	METAL CHIP	10K	5%	1/16W
R839	1-216-797-11	METAL CHIP	10	5%	1/10W
R840	1-216-797-11	METAL CHIP	10	5%	1/10W
R841	1-218-990-81	SHORT CHIP	0		
R842	1-218-933-11	METAL CHIP	22	5%	1/16W
R843	1-218-933-11	METAL CHIP	22	5%	1/16W
R844	1-218-933-11	METAL CHIP	22	5%	1/16W
R847	1-218-990-81	SHORT CHIP	0		
R848	1-218-990-81	SHORT CHIP	0		
R850	1-216-841-11	METAL CHIP	47K	5%	1/10W
R851	1-216-841-11	METAL CHIP	47K	5%	1/10W
R852	1-218-990-81	SHORT CHIP	0		
R853	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R854	1-218-990-81	SHORT CHIP	0		
R855	1-216-295-91	SHORT CHIP	0		
R856	1-218-990-81	SHORT CHIP	0		
R857	1-218-990-81	SHORT CHIP	0		
R867	1-218-990-81	SHORT CHIP	0		
R869	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R870	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
		< COMPOSITION CIRCUIT BLOCK >			
RB131	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB140	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB185	1-234-372-11	RES, NETWORK	100 (1005X4)		
		< VIBRATOR >			
X110	1-814-273-11	QUARTZ CRYSTAL UNIT			
X113	1-814-446-11	QUARTZ CRYSTAL UNIT			
X332	1-814-306-11	VIBRATOR, CRYSTAL			

****

MIC BOARD
****

< CAPACITOR >

C1300	1-100-385-91	CERAMIC CHIP	0.47uF		25V
C1301	1-124-463-00	ELECT	0.1uF	20%	50V
C1302	1-124-261-00	ELECT	10uF	20%	50V
C1303	1-124-463-00	ELECT	0.1uF	20%	50V
C1304	1-124-463-00	ELECT	0.1uF	20%	50V
C1305	1-162-925-11	CERAMIC CHIP	68PF	5%	50V
C1306	1-124-257-00	ELECT	2.2uF	20%	50V
C1307	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1308	1-162-924-11	CERAMIC CHIP	56PF	5%	50V
C1309	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1310	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1311	1-126-176-11	ELECT	220uF	20%	10V
C1312	1-162-924-11	CERAMIC CHIP	56PF	5%	50V
C1313	1-126-176-11	ELECT	220uF	20%	10V
C1314	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1315	1-124-257-00	ELECT	2.2uF	20%	50V
C1317	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1318	1-124-257-00	ELECT	2.2uF	20%	50V
C1319	1-124-257-00	ELECT	2.2uF	20%	50V
C1320	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1321	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1322	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1323	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C1325	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
		< CONNECTOR >			
* CN1300	1-564-507-11	PLUG, CONNECTOR 4P			
		< DIODE >			
D1300	6-502-961-01	DI DA2J10100L			
D1301	6-500-848-01	DIODE MC2840-T112-1			
D1302	6-500-848-01	DIODE MC2840-T112-1			
		< IC >			
IC1300	8-759-909-71	IC BA4558F			
		< JACK >			
J1300	1-822-757-11	JACK (LARGE TYPE) (MIC IN)			
		< JUMPER RESISTOR >			
JR1300	1-216-296-11	SHORT CHIP	0		
JR1301	1-216-864-11	SHORT CHIP	0		
JR1303	1-216-864-11	SHORT CHIP	0		
JR1304	1-216-864-11	SHORT CHIP	0		
JR1305	1-216-864-11	SHORT CHIP	0		
JR1306	1-216-864-11	SHORT CHIP	0		
JR1308	1-216-296-11	SHORT CHIP	0		
JR1309	1-216-296-11	SHORT CHIP	0		
JR1310	1-216-296-11	SHORT CHIP	0		
		< TRANSISTOR >			
Q1300	6-551-696-01	TR ISA1235AC1-T112-1EF			
Q1301	6-552-967-01	TR RHK005N03T146			
		< RESISTOR >			
R1300	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1301	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1302	1-216-817-11	METAL CHIP	470	5%	1/10W
R1303	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1304	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1305	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1306	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1307	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1309	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1310	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1311	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1312	1-216-839-11	METAL CHIP	33K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1313	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1314	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1315	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1316	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1317	1-216-845-11	METAL CHIP	100K	5%	1/10W
		< VARIABLE RESISTOR >			
RV1300	1-227-452-11	RES, VAR, CARBON 50K (MIC LEVEL, MIN MAX)			

****

MS-214 BOARD
****

When the MS-214 board is defective, exchange the entire MD (AU) ASSY.

****

TUNER BOARD
****

		< CAPACITOR >			
C1603	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C1604	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C1605	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C1606	1-114-565-81	CERAMIC CHIP	0.047uF	10%	16V
C1608	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1611	1-117-681-11	ELECT CHIP	100uF	20%	16V
C1612	1-100-415-91	CERAMIC CHIP	0.47uF	10%	6.3V
C1613	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C1614	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C1615	1-100-415-91	CERAMIC CHIP	0.47uF	10%	6.3V
C1616	1-100-415-91	CERAMIC CHIP	0.47uF	10%	6.3V
C1617	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C1618	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C1619	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C1620	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C1621	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C1622	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
		< CONNECTOR >			
CN1601	1-568-826-11	CONNECTOR FFC 7P			
* CN1602	1-506-680-11	PLUG, CONNECTOR (2.5MM) 3P (FM/AM)			
		< DIODE >			
D1601	6-500-848-01	DIODE MC2840-T112-1			
D1602	6-500-848-01	DIODE MC2840-T112-1			
D1603	6-500-848-01	DIODE MC2840-T112-1			
		< FLUORESCENT INDICATOR TUBE >			
FL1601	1-236-711-21	FILTER, BAND PASS			
		< IC >			
IC1601	6-716-993-01	IC MM1836A33NRE			
IC1602	6-716-361-01	IC RS5B800-0002E2			
		< COIL >			
L1601	1-457-998-11	COIL, AM ANTENNA			
* L1602	1-400-973-21	INDUCTOR (EMI FERRITE)			
* L1603	1-400-973-21	INDUCTOR (EMI FERRITE)			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R1601	1-218-941-81	METAL CHIP	100	5%	1/16W
R1602	1-218-941-81	METAL CHIP	100	5%	1/16W
R1603	1-218-941-81	METAL CHIP	100	5%	1/16W
R1604	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1605	1-218-990-81	SHORT CHIP	0		
R1606	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1607	1-218-990-81	SHORT CHIP	0		
R1608	1-218-941-81	METAL CHIP	100	5%	1/16W
R1609	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
		< VIBRATOR >			
X1601	1-767-317-11	VIBRATOR, CRYSTAL			

****

	A-1820-972-A	USB BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1151	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1154	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1159	1-124-635-00	ELECT	220uF	20%	6.3V
C1160	1-124-635-00	ELECT	220uF	20%	6.3V
		< CONNECTOR >			
CN1150	1-819-866-11	CONNECTOR, USB (A) (⇜ A PLAY)			
CN1151	1-819-866-11	CONNECTOR, USB (A) (⇜ B PALY/REC)			
		< DIODE >			
D1150	6-503-388-01	DI 1L0352B13F0MIT02			
D1151	6-503-388-01	DI 1L0352B13F0MIT02			
D1154	6-503-224-02	DI 1L0352V22F3MIT02			
D1155	6-500-848-01	DIODE MC2840-T112-1			
D1156	6-500-848-01	DIODE MC2840-T112-1			
D1157	6-500-848-01	DIODE MC2840-T112-1			
D1158	6-500-848-01	DIODE MC2840-T112-1			
D1159	6-502-970-01	DI DZ2J068M0L			
D1160	6-502-970-01	DI DZ2J068M0L			
D1162	6-502-970-01	DI DZ2J068M0L			
D1164	6-502-970-01	DI DZ2J068M0L			
D1165	6-502-970-01	DI DZ2J068M0L			
D1166	6-502-970-01	DI DZ2J068M0L			
		< JUMPER RESISTOR >			
JR1500	1-216-296-11	SHORT CHIP	0		
JR1501	1-216-296-11	SHORT CHIP	0		
JR1502	1-216-296-11	SHORT CHIP	0		
JR1503	1-216-296-11	SHORT CHIP	0		
JR1504	1-216-296-11	SHORT CHIP	0		
		< RESISTOR >			
R1150	1-257-173-91	METAL CHIP	560	5%	1/3W
R1151	1-257-173-91	METAL CHIP	560	5%	1/3W
R1152	1-257-173-91	METAL CHIP	560	5%	1/3W

****

VOLUME BOARD
****

		< CAPACITOR >			
C1000	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V

HCD-SH2000

Ver. 1.1

VOLUME **VOLUME LED**

Ref. No.	Part No.	Description			Remark
C1001	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1005	1-124-584-00	ELECT	100uF	20%	6.3V
C1007	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1008	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
		< CONNECTOR >			
CN1000	1-784-784-11	CONNECTOR, FFC 23P			
		< DIODE >			
D1000	6-503-224-02	DI 1L0352V22F3MIT02			
D1001	6-503-224-02	DI 1L0352V22F3MIT02			
D1002	6-503-224-02	DI 1L0352V22F3MIT02			
D1003	6-503-224-02	DI 1L0352V22F3MIT02			
D1004	6-503-224-02	DI 1L0352V22F3MIT02			
D1005	6-503-224-02	DI 1L0352V22F3MIT02			
		< IC >			
IC1000	6-713-768-01	IC R8A66166SP			
		< JUMPER RESISTOR >			
JR1000	1-216-296-11	SHORT CHIP	0		
JR1002	1-216-296-11	SHORT CHIP	0		
JR1003	1-216-296-11	SHORT CHIP	0		
JR1004	1-216-296-11	SHORT CHIP	0		
JR1006	1-216-296-11	SHORT CHIP	0		
JR1007	1-216-296-11	SHORT CHIP	0		
JR1008	1-216-296-11	SHORT CHIP	0		
JR1009	1-216-296-11	SHORT CHIP	0		
JR1010	1-216-296-11	SHORT CHIP	0		
JR1011	1-216-296-11	SHORT CHIP	0		
JR1012	1-216-296-11	SHORT CHIP	0		
JR1013	1-216-296-11	SHORT CHIP	0		
JR1014	1-216-296-11	SHORT CHIP	0		
JR1015	1-216-296-11	SHORT CHIP	0		
JR1017	1-216-296-11	SHORT CHIP	0		
JR1019	1-216-296-11	SHORT CHIP	0		
JR1020	1-216-296-11	SHORT CHIP	0		
JR1021	1-216-296-11	SHORT CHIP	0		
JR1023	1-216-296-11	SHORT CHIP	0		
JR1024	1-216-296-11	SHORT CHIP	0		
JR1025	1-216-296-11	SHORT CHIP	0		
JR1026	1-216-296-11	SHORT CHIP	0		
JR1027	1-216-296-11	SHORT CHIP	0		
JR1028	1-216-296-11	SHORT CHIP	0		
JR1029	1-216-296-11	SHORT CHIP	0		
JR1030	1-216-296-11	SHORT CHIP	0		
JR1031	1-216-296-11	SHORT CHIP	0		
JR1034	1-216-296-11	SHORT CHIP	0		
JR1035	1-216-296-11	SHORT CHIP	0		
JR1036	1-216-296-11	SHORT CHIP	0		
JR1038	1-216-296-11	SHORT CHIP	0		
JR1039	1-216-864-11	SHORT CHIP	0		
JR1040	1-216-864-11	SHORT CHIP	0		
JR1042	1-216-864-11	SHORT CHIP	0		
		< RESISTOR >			
R1000	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1001	1-257-173-91	METAL CHIP	560	5%	1/3W
R1002	1-257-173-91	METAL CHIP	560	5%	1/3W
R1003	1-257-173-91	METAL CHIP	560	5%	1/3W

Ref. No.	Part No.	Description			Remark
R1005	1-216-819-11	METAL CHIP	680	5%	1/10W
R1006	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1007	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1008	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1009	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1010	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1011	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1012	1-257-173-91	METAL CHIP	560	5%	1/3W
R1013	1-257-173-91	METAL CHIP	560	5%	1/3W
R1014	1-257-173-91	METAL CHIP	560	5%	1/3W
R1015	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1016	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1018	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1019	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1021	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1022	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1023	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1024	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1026	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1027	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1028	1-216-797-11	METAL CHIP	10	5%	1/10W
R1029	1-257-173-91	METAL CHIP	560	5%	1/3W
R1030	1-257-173-91	METAL CHIP	560	5%	1/3W
R1031	1-257-173-91	METAL CHIP	560	5%	1/3W
R1032	1-257-173-91	METAL CHIP	560	5%	1/3W
		< SWITCH >			
S1000	1-786-417-11	ENCODER, ROTARY (VOLUME - O - DJ CONTROL)			
S1001	1-771-410-21	SWITCH, TACTILE (ENTER)			
S1002	1-771-410-21	SWITCH, TACTILE (🗀+)			
S1003	1-771-410-21	SWITCH, TACTILE (■)			
S1004	1-771-410-21	SWITCH, TACTILE (TUNING + ▶▶▷▷|)			
S1005	1-771-410-21	SWITCH, TACTILE (PC)			
S1006	1-771-410-21	SWITCH, TACTILE (CD)			
S1007	1-771-410-21	SWITCH, TACTILE (TV)			
S1008	1-771-410-21	SWITCH, TACTILE (USB/USB SELECT)			
S1009	1-771-410-21	SWITCH, TACTILE (DVD/SAT)			
S1010	1-771-410-21	SWITCH, TACTILE (TUNER/BAND)			
S1011	1-771-410-21	SWITCH, TACTILE (OPTIONS)			
S1012	1-771-410-21	SWITCH, TACTILE (GAME)			
S1013	1-771-410-21	SWITCH, TACTILE (⏏ EJECT)			

****

VOLUME LED BOARD

****

< CONNECTOR >

CN1290	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< DIODE >			
D1290	6-503-224-02	DI 1L0352V22F3MIT02			
		< RESISTOR >			
R1290	1-257-173-91	METAL CHIP	560	5%	1/3W

****

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
11	1-828-944-51	WIRE (FLAT TYPE) (7 CORE)	
53	1-829-021-51	WIRE (FLAT TYPE) (23 CORE)	
152	1-828-328-51	WIRE (FLAT TYPE) (13 CORE)	
157	1-474-315-11	SWITCHING REGULATOR	
158	1-837-344-11	CORD, POWER SUPPLY (E2, E51, MX)	
158	1-838-939-11	CORD, POWER (SAF)	
158	1-838-969-11	POWER-SUPPLY CORD (EA, MY)	
159	1-457-369-12	CORE, FERRITE	
161	1-569-007-12	ADAPTOR, CONVERSION 2P (E2, E51)	
201	A-1114-646-A	MD (AU) ASSY (including MS-214 board)	
203	1-828-252-51	WIRE (FLAT TYPE) (24 CORE)	
⚠ 206	8-820-322-04	DEVICE, OPTICAL KHM-313CAB/C2RP (including sled motor, spindle motor)	
207	1-828-300-11	WIRE (FLAT TYPE) (7 CORE)	
FL901	1-483-367-11	VACUUM FLUORESCENT DISPLAY	
⚠ M891	1-855-006-11	FAN, DC	

****

Ref. No.	Part No.	Description	Remark

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

REVISION HISTORY

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

Ver.	Date	Description of Revision
1.0	2011.06	New
1.1	2011.09	Addition of South African model Delete C1634 in DAMP board for Saudi Arabia model Add R1736 in DAMP board for Saudi Arabia model Change P/N of IC107 in DMB21 board Change P/N of IC1601 in TUNER board Change of AUDIO-IN, BUTTON, BUTTON LED, DISPLAY, MIC, USB, VOLUME and VOLUME LED boards (Suffix-13) Change P/N of Q1301 in MIC board