

# HCD-DZ275M/DZ570M/ DZ665K/DZ670M

## SERVICE MANUAL

Russian Model

**Self Diagnosis**  
Supported model

Ver. 1.0 2008.05



Photo: HCD-DZ275M

- HCD-DZ275M/DZ570M/DZ665K/DZ670M are the amplifier, DVD/CD and tuner section in DAV-DZ275M/DZ570M/DZ665K/DZ670M.

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

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

\*\* Manufactured under license from DTS, Inc.  
“DTS” and “DTS Digital Surround” are registered trademarks of DTS, Inc.

Model Name Using Similar Mechanism	HCD-DZ265K/DZ266K
Mechanism Type	CDM85-DVBU102
Optical Pick-up Name	KHM-313CAA

### SPECIFICATIONS

#### Amplifier Section (DZ275M/DZ570M)

Stereo mode (rated) 108 W + 108 W (at 3 ohms, 1 kHz, 1% THD)  
Surround mode (reference) RMS output power  
FL/FR/C/SL/SR\*: 142 watts (per channel at 3 ohms, 1 kHz, 10% THD)  
Subwoofer\*: 140 watts (at 3 ohms, 80 Hz, 10% THD)

\* Depending on the decoding mode settings and the source, there may be no sound output.

Inputs (Analog)  
TV/VIDEO (AUDIO IN) Sensitivity: 450/250 mV  
AUDIO IN/MIC1 Sensitivity: AUDIO IN  
250/125 mV/MIC1 1 mV  
MIC2 Sensitivity: 1 mV

#### Amplifier Section (DZ665K/DZ670M)

Stereo mode (rated) 108 W + 108 W (at 3 ohms, 1 kHz, 1% THD)  
Surround mode (reference) RMS output power  
FL/FR/C/SL/SR\*: 143 watts (per channel at 3 ohms, 1 kHz, 10% THD)  
Subwoofer\*: 285 watts (at 1.5 ohms, 80 Hz, 10% THD)

\* Depending on the decoding mode settings and the source, there may be no sound output.

Inputs (Analog)  
TV (AUDIO IN) Sensitivity: 450/250 mV  
SAT/CABLE (AUDIO IN) Sensitivity: 450/250 mV  
AUDIO IN/MIC1 Sensitivity: AUDIO IN  
250/125 mV/MIC1 1 mV  
MIC2 Sensitivity: 1 mV

#### Super Audio CD/DVD System

Laser Semiconductor laser  
(Super Audio CD/DVD:  $\lambda$  = 650 nm)  
(CD:  $\lambda$  = 790 nm)  
Emission duration: continuous

Signal format system  
Russian models: PAL/NTSC  
Other models: NTSC/PAL

#### USB Section

Supported bit rate  
MP3 (MPEG 1 Audio Layer-3):  
32 kbps - 320 kbps  
WMA: 48 kbps - 192 kbps  
AAC: 48 kbps - 320 kbps  
Sampling frequencies  
MP3 (MPEG 1 Audio Layer-3):  
32/44.1/48 kHz  
WMA: 44.1 kHz  
AAC: 44.1 kHz  
(USB) port:  
Maximum current: 500 mA

#### Tuner Section

System PLL quartz-locked digital synthesizer  
FM tuner section  
Tuning range 87.5 MHz - 108.0 MHz (50 kHz step)  
Antenna (aerial) FM wire antenna (aerial)  
Antenna (aerial) terminals 75 ohms, unbalanced  
Intermediate frequency 10.7 MHz  
AM tuner section  
Tuning range 531 kHz - 1,602 kHz (with the interval set at 9 kHz)  
Antenna (aerial) AM loop antenna (aerial)  
Intermediate frequency 450 kHz

#### Video Section

Outputs  
VIDEO: 1 Vp-p 75 ohms  
COMPONENT:  
Y: 1 Vp-p 75 ohms  
Pb/Cb, Pr/Cr: 0.7 Vp-p 75 ohms  
HDMI OUT: Type A (19 pin)

– Continued on next page –

9-889-133-01  
2008E04-1

Sony Corporation  
Audio Business Group

DVD RECEIVER  
**SONY**®

www.electronicsrepair.net

HCD-DZ275M/DZ570M/DZ665K/DZ670M

**General**

Power requirements      220 V - 240 V AC, 50/60 Hz

Power consumption

HCD-DZ275M:              On: 160 W  
                                 Standby: 0.3 W (at the  
                                 Power Saving mode)

HCD-DZ570M/DZ665K/DZ670M:  
                                 On: 170 W  
                                 Standby: 0.3 W (at the  
                                 Power Saving mode)

Output voltage (DIGITAL MEDIA PORT)  
(HCD-DZ570M/DZ665K/DZ670M only)  
                                 DC 5 V

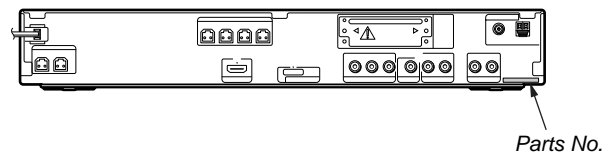
Output current (DIGITAL MEDIA PORT)  
(HCD-DZ570M/DZ665K/DZ670M only)  
                                 700 mA

Dimensions (approx.)    430 mm × 66 mm × 385 mm  
                                 (w/h/d) incl. projecting parts

Mass (approx.)            4.2 kg


Design and specifications are subject to change without notice.

MODEL IDENTIFICATION  
– Back Panel –





Model	Part No.
DZ275M	3-273-759-5□
DZ570M	3-273-761-7□
DZ670M	3-273-763-7□
DZ665K	3-875-160-4□

**SPECIAL COMPONENT NOTICE**

The components identified by mark  contain confidential information.

Strictly follow the instructions whenever the components are repaired and/or replaced.

SAFETY-RELATED COMPONET 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.

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

CLASS 1 LASER PRODUCT  
LUOKAN 1 LASERLAITE  
KLASS 1 LASERAPPARAT

This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear or bottom exterior.

#### CAUTION

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

#### NOTES ON CHIP COMPONENT REPLACEMENT

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

#### FLEXIBLE CIRCUIT BOARD REPAIRING

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

#### UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)



#### : 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.

## About This Operating Instructions

- The instructions in this Operating Instructions describe the controls on the remote. You can also use the controls on the unit if they have the same or similar names as those on the remote.
- The Control Menu items may vary depending on the area.
- “DVD” may be used as a general term for a DVD VIDEO, DVD+RW/DVD+R, and DVD-RW/DVD-R.
- Measurements are expressed in feet (ft) for North American models.
- The default setting is underlined.

#### HCD-DZ570M/DZ665K/DZ670M:

## About the S-AIR function












The system is compatible with the S-AIR function, which allows transmission of sound between S-AIR products wirelessly. The following S-AIR products can be used with the system:

- Surround amplifier: You can enjoy surround speaker sound wirelessly.
- S-AIR receiver: You can enjoy system sound in another room.

These S-AIR products can be purchased as an option (the S-AIR product lineup differs depending on the area).

Notes or instructions for the surround amplifier or S-AIR receiver in this operating instructions refer only to when the surround amplifier or S-AIR receiver is used. For details on the S-AIR function, see “Using an S-AIR Product”.

## Playable Discs

Type	Disc logo	Characteristics	Icon
DVD VIDEO	     	<ul style="list-style-type: none"> <li>• DVD VIDEO</li> <li>• DVD-R/DVD-RW in DVD VIDEO format or video mode</li> <li>• DVD+R/DVD+RW in DVD VIDEO format</li> </ul>	<b>DVD-V</b>
VR (Video Recording) mode	 	<ul style="list-style-type: none"> <li>• DVD-R/DVD-RW in VR (Video Recording) mode (except for DVD-R DL)</li> </ul>	<b>DVD-VR</b>
Super Audio CD		<ul style="list-style-type: none"> <li>• Super Audio CD</li> </ul>	<b>Super Audio CD</b>
VIDEO CD		<ul style="list-style-type: none"> <li>• VIDEO CD (Ver. 1.1 and 2.0 discs)</li> <li>• Super VCD</li> <li>• CD-R/CD-RW/CD-ROM in video CD format or Super VCD format</li> </ul>	<b>VIDEO CD</b>
CD		<ul style="list-style-type: none"> <li>• Audio CD</li> <li>• CD-R/CD-RW in audio CD format</li> </ul>	<b>CD</b>
DATA CD	—	<ul style="list-style-type: none"> <li>• CD-R/CD-RW/CD-ROM in DATA CD format, containing MP3 files<sup>1)</sup>, JPEG image files<sup>2)</sup>, and DivX video files<sup>3)4)</sup>, and conforming to ISO 9660<sup>5)</sup> Level 1/ Level 2, or Joliet (extended format)</li> </ul>	<b>DATA-CD</b>
DATA DVD	—	<ul style="list-style-type: none"> <li>• DVD-ROM/DVD-R/DVD-RW/ DVD+R/DVD+RW in DATA DVD format, containing MP3 files<sup>1)</sup>, JPEG image files<sup>2)</sup>, and DivX video files<sup>3)4)</sup>, and conforming to UDF (Universal Disk Format)</li> </ul>	<b>DATA DVD</b>

<sup>1)</sup>MP3 (MPEG1 Audio Layer 3) is a standard format defined by ISO/MPEG which compresses audio data. MP3 files must be in MPEG1 Audio Layer 3 format.

<sup>2)</sup>JPEG image files must conform to the DCF image file format. (DCF "Design rule for Camera File system": Image standards for digital cameras regulated by Japan Electronics and Information Technology Industries Association (JEITA).)

<sup>3)</sup>DivX<sup>®</sup> is a video file compression technology, developed by DivX, Inc.

<sup>4)</sup>DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

<sup>5)</sup>A logical format of files and folders on CD-ROMs, defined by ISO (International Organization for Standardization).

"DVD-RW," "DVD+RW," "DVD-R," "DVD VIDEO," and the "CD" logos are trademarks.

### Example of discs that the system cannot play

The system cannot play the following discs:

- CD-ROM/CD-R/CD-RW other than those recorded in the formats listed on page 4
- CD-ROM recorded in PHOTO CD format
- Data part of CD-Extra
- CD Graphics disc
- DVD Audio
- DATA DVD that does not contain MP3 files, JPEG image files, or DivX video files
- DVD-RAM

Also, the system cannot play the following discs:

- A DVD VIDEO with a different region code (page 6)
- A disc that has a non-standard shape (e.g., card, heart)
- A disc with paper or stickers on it
- A disc that has the adhesive of cellophane tape or a sticker still left on it

### Note about CD-R/CD-RW/DVD-R/DVD-RW/DVD+R/DVD+RW

In some cases, CD-R/CD-RW/DVD-R/DVD-RW/DVD+R/DVD+RW cannot be played on this system due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.

The disc will not play if it has not been correctly finalized. For more information, refer to the operating instructions for the recording device.

Note that some playback functions may not work with some DVD+RWs/DVD+Rs, even if they have been correctly finalized. In this case, view the disc by normal playback. Also some DATA CDs/DATA DVDs created in Packet Write format cannot be played.

### Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard.

Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

### Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

## About Multi Session CD

- This system can play a Multi Session CD when an MP3 file is contained in the first session. Any subsequent MP3 files recorded in later sessions can also be played back.
- This system can play a Multi Session CD when a JPEG image file is contained in the first session. Any subsequent JPEG image files recorded in later sessions can also be played back.
- If MP3 files and JPEG image files in music CD format or video CD format are recorded in the first session, only the first session will be played back.

## Region code

Your system has a region code printed on the rear of the unit and will only play a DVD labeled with the same region code.

A DVD VIDEO labeled  will also play on this system.

If you try to play any other DVD VIDEO, the message [Playback prohibited by area limitations.] will appear on the TV screen. Depending on the DVD VIDEO, no region code indication may be given even though playing the DVD VIDEO is prohibited by area restrictions.

## Note about playback operations of a DVD or VIDEO CD

Some playback operations on a DVD or VIDEO CD may be intentionally set by software producers. Since this system will play a DVD or VIDEO CD according to the disc contents the software producers designed, some playback features may not be available. Be sure to read the operating instructions supplied with the DVD or VIDEO CD.

## Copyrights

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

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

\* Manufactured under license from Dolby Laboratories.

"Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

\*\* Manufactured under license from DTS, Inc.

"DTS" and "DTS Digital Surround" are registered trademarks of DTS, Inc.

This system incorporates High-Definition Multimedia Interface (HDMI™) technology.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

"BRAVIA" and BRAVIA are trademarks of Sony Corporation.

"S-AIR" and its logo are trademarks of Sony Corporation.

# Self-diagnosis Function

*(When letters/numbers appear in the display)*

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



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

## When displaying the version number on the TV screen

When you turn on the system, the version number [VER.X.XX] (X is a number) may appear on the TV screen. Although this is not a malfunction and for Sony service use only, normal system operation will not be possible. Turn off the system, and then turn on the system again to operate.



Additional Information

## TABLE OF CONTENTS

1. SERVICING NOTES .....	9	6-9. Schematic Diagram –MAIN Board (1/9)–.....	41
2. GENERAL .....	11	6-10. Schematic Diagram –MAIN Board (2/9)–.....	42
3. DISASSEMBLY .....		6-11. Schematic Diagram –MAIN Board (3/9)–.....	43
3-1. Case .....	19	6-12. Schematic Diagram –MAIN Board (4/9), MS-203 Board–.....	44
3-2. POWER Board.....	19	6-13. Schematic Diagram –MAIN Board (5/9)–.....	45
3-3. Front Panel Section .....	20	6-14. Schematic Diagram –MAIN Board (6/9)–.....	46
3-4. Back Panel Section (DZ570M/DZ665K/DZ670M) .....	20	6-15. Schematic Diagram –MAIN Board (7/9)–.....	47
3-5. Back Panel Section (DZ275M).....	21	6-16. Schematic Diagram –MAIN Board (8/9)–.....	48
3-6. DVD Mechanism Deck.....	21	6-17. Schematic Diagram –MAIN Board (9/9)–.....	49
3-7. MAIN Board.....	22	6-18. Printed Wiring Board –SCORE Board– .....	50
3-8. IO-COMPONENT Board, SCORE Board.....	22	6-19. Schematic Diagram –SCORE Board– .....	51
3-9. Tray .....	23	6-20. Printed Wiring Board –IO-COMPONENT Board–.....	52
3-10. Belt.....	23	6-21. Schematic Diagram –IO-COMPONENT Board–.....	53
3-11. MS-203 Board.....	24	6-22. Printed Wiring Boards –JACK, P-SW Board– .....	54
3-12. Base Unit.....	24	6-23. Schematic Diagram –JACK, P-SW Board–.....	55
3-13. Optical Pick-up .....	25	6-24. Printed Wiring Boards –FL, MS-203, SPEAKER Board– .....	56
4. TEST MODE .....	26	6-25. Schematic Diagram –FL, SPEAKER Board–.....	57
5. ELECTRICAL ADJUSTMENTS .....	31	6-26. Printed Wiring Board –S-AIR-CON Board (DZ570M/DZ665K/DZ670M)–.....	58
6. DIAGRAMS .....		6-27. Schematic Diagram –S-AIR-CON Board (DZ570M/DZ665K/DZ670M)–.....	59
6-1. Block Diagram –RF Section– .....	33	6-28. Printed Wiring Board –POWER Board– .....	60
6-2. Block Diagram –VIDEO Section– .....	34	6-29. Schematic Diagram –POWER Board– .....	61
6-3. Block Diagram –AUDIO Section– .....	35	7. EXPLODED VIEWS .....	
6-4. Block Diagram –S-AIR/USB Section–.....	36	7-1. Overall Section .....	75
6-5. Block Diagram –AMP Section– .....	37	7-2. Front Panel Section.....	76
6-6. Block Diagram –POWER Section–.....	38	7-3. Chassis Section .....	77
6-7. Printed Wiring Board –MAIN Board (Side A)– .....	39	7-4. DVD Mechanism Deck Section (CDM85-DVBU102) ..	78
6-8. Printed Wiring Board –MAIN Board (Side B)– .....	40	8. ELECTRICAL PARTS LIST .....	79



# HCD-DZ275M/DZ570M/DZ665K/DZ670M

## SECTION 1

### SERVICING NOTES

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

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

The flexible board is easily damaged and should be handled with care.

#### NOTES ON LASER DIODE EMISSION CHECK

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

#### LASER DIODE AND FOCUS SEARCH

1. Open the case and turn POWER on with no disc inserted.
2. Confirm that the following operation is performed while observing the objecting lens from the clearance of DVD mechanism deck.
  - 1) Confirm that laser beam is spread.
  - 2) Up and down motion of the objective lens. (2 times)

#### DISC TRAY LOCK

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

##### Setting Procedure :

1. Press the [I/⏻] button to turn the set on.
2. Press the [FUNCTION] button to set DVD function.
3. Insert a disc.
4. Press the [■] button and the [⏻] button simultaneously for five seconds.
5. The message "LOCKED" is displayed and the tray is locked.

##### Releasing Procedure :

1. Press the [■] button and the [⏻] button simultaneously for five seconds again.
2. The message "UNLOCKED" is displayed and the tray is unlocked.

**Note:** When "LOCKED" is displayed, the tray lock is not released by turning power on/off with the [I/⏻] button.

#### On cleaning discs, disc/lens cleaners

- Do not use cleaning discs or disc/lens cleaners (including wet or spray types). These may cause the apparatus to malfunction.

#### IMPORTANT NOTICE

Caution: This system is capable of holding a still video image or on-screen display image on your television screen indefinitely. If you leave the still video image or on-screen display image displayed on your TV for an extended period of time you risk permanent damage to your television screen. Projection televisions are especially susceptible to this.

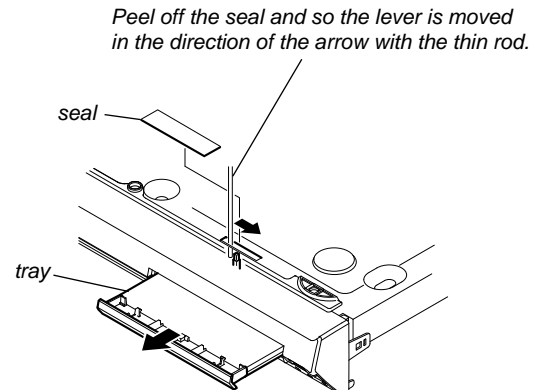
#### Attention when transported

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

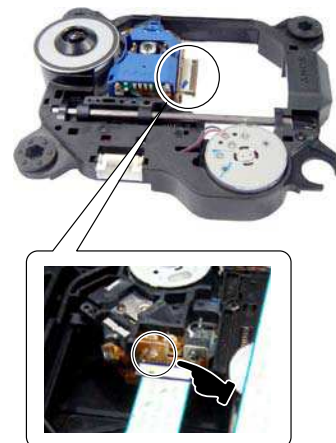
##### Procedure:

1. Press the [I/⏻] button to turn the set on.
2. Press the [FUNCTION] button to set the function "DVD".
3. Remove all discs, and then press two buttons [▷] and [I/⏻] simultaneously.
4. After a message "MECHA LOCK" is displayed on the fluorescent indicator tube, pull out the AC plug.
5. To exit from this mode, press the [I/⏻] button to turn the set on.

How to open the disc table when power switch turns off  
Insert a tapering driver into the aperture of the unit bottom, and slide it in the direction of the arrow.



Precaution when installing a new OP unit/  
Precaution before unsoldering the static electricity prevention solder bridge



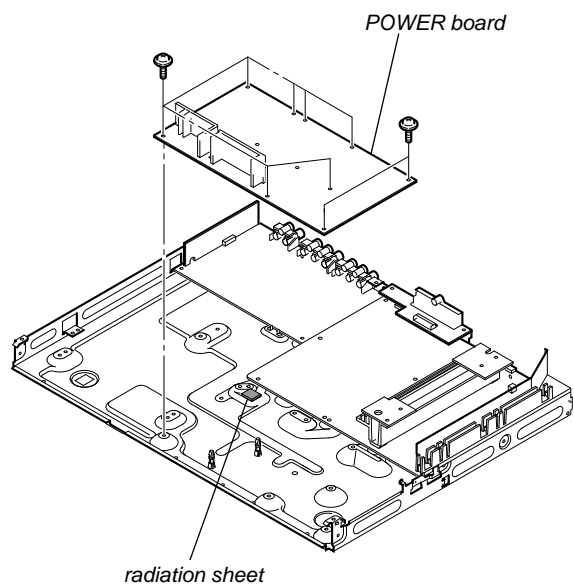
When installing a new OP unit, be sure to connect the flexible printed circuit board first of all before removing the static electricity prevention solder bridge by unsoldering.

Remove the static electricity prevention solder bridge by unsoldering after the flexible printed circuit board has already been connected.

(Do not remove nor unsolder the solder bridge as long as the OP unit is kept standalone.)

#### Radiation Sheet

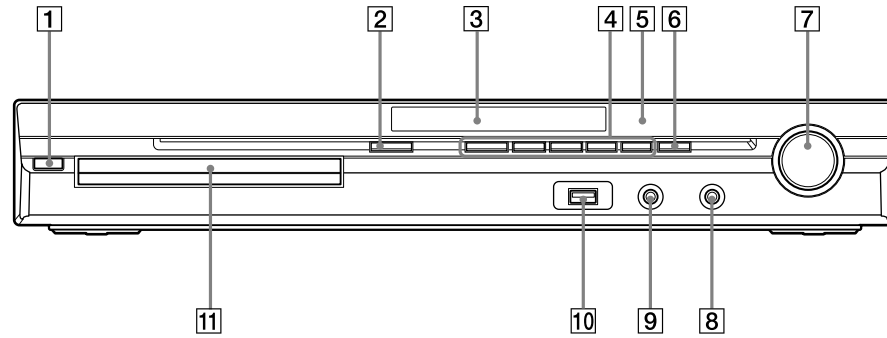
When peeling off the heat radiation sheet, try always to put it on be former position.



## Index to Parts and Control (DZ275M/DZ570M)

For more information, refer to the pages indicated in parentheses.

### Front panel

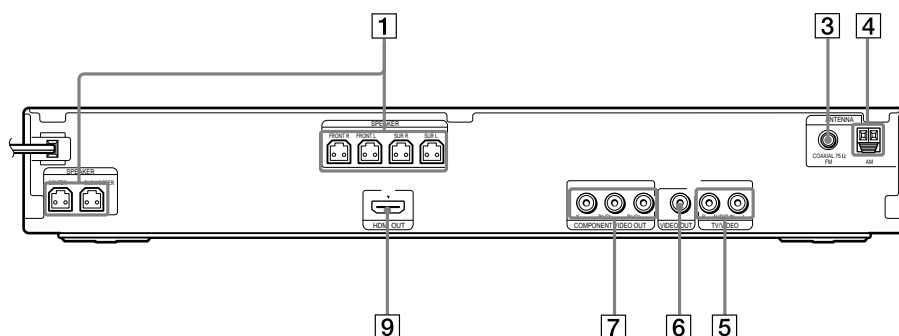


- |                               |   |
|-------------------------------|---|
| 1 I/⏻ (on/standby) (33, 100)  | 7 VOLUME control (41)                       |
| 2 ≡ (open/close) (41)         | 8 MIC2 jack (92)                            |
| 3 Front panel display (121)   | 9 AUDIO IN/MIC1/A.CAL MIC jack (27, 33, 90) |
| 4 Play operation buttons (41) | 10 ⇄ (USB) port (74)                        |
| 5 📶 (remote sensor) (10)      | 11 Disc tray (41)                           |
| 6 FUNCTION (36)               |   |

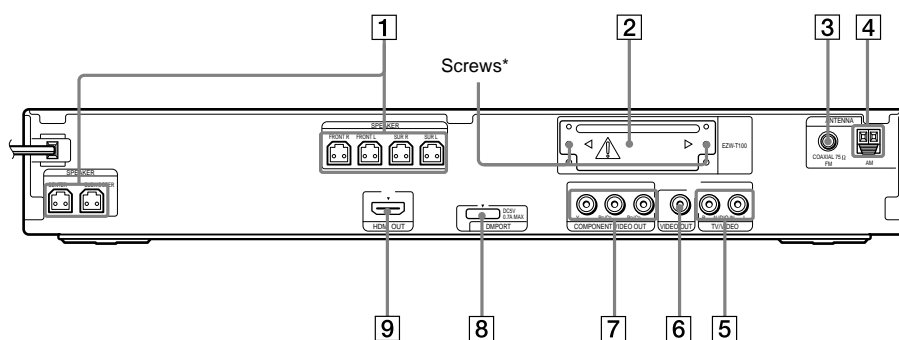
Additional Information

## Rear panel

### HCD-DZ275M



### HCD-DZ570M



- |  |   |
|--|---|
| 1 SPEAKER jacks (22)                     | 7 COMPONENT VIDEO OUT jacks (24)                          |
| 2 EZW-T100 slot (DZ570M only) (27)       | 8 DMPORT (DIGITAL MEDIA PORT) jack (DZ570M only) (27, 82) |
| 3 COAXIAL 75Ω FM jack (30)               | 9 HDMI OUT jack (24)                                      |
| 4 AM terminal (30)                       |   |
| 5 TV/VIDEO (AUDIO IN R/L) jacks (24, 27) |   |
| 6 VIDEO OUT jack (24)                    |   |

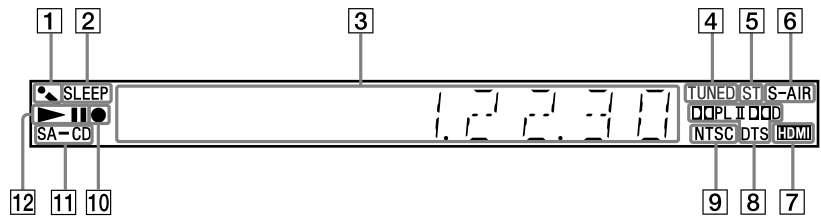
#### \* CAUTION

Please do not remove the screws before installing the EZW-T100 (DZ570M only).

120<sup>GB</sup>

Front panel display

About the indications in the front panel display

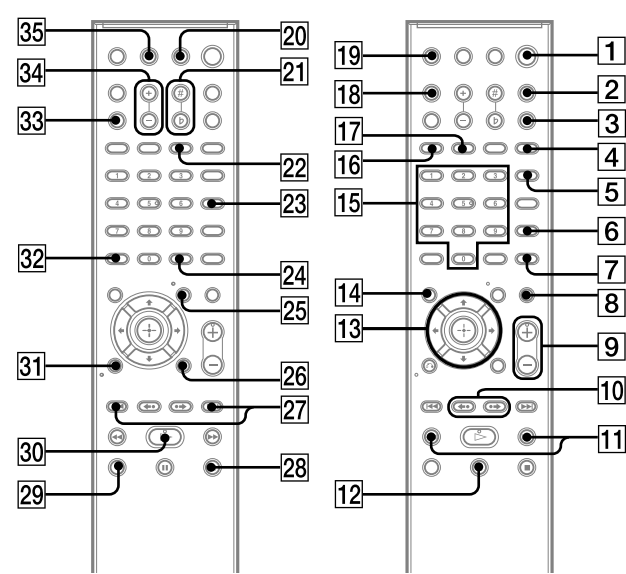


- |  |  |
|--|--|
| <p>1 Lights up when the karaoke mode is on. (92)</p> <p>2 Flashes when the sleep timer is set. (96)</p> <p>3 Displays system's status such as chapter, title, or track number, time information, radio frequency, playing status, decoding mode, etc.</p> <p>4 Lights up when a station is received. (Radio only) (67)</p> <p>5 Stereo/Monaural effect (Radio only) (68)</p> <p>6 Lights up when the S-AIR transmitter (not supplied) is inserted in the unit and the system transmits the sound. (DZ570M only) (83)</p> | <p>7 Lights up when the HDMI OUT jack is correctly connected to HDCP (High-bandwidth Digital Content Protection) compliant device with HDMI or DVI (Digital Visual Interface) input. (24)</p> <p>8 Current surround format (Except for JPEG image file)</p> <p>9 Lights up when the color system is set to NTSC. (Asian, Australian, and Middle Eastern models only)<br/>Lights up when an NTSC disc is loaded. (Russian models only)</p> <p>10 Lights up during USB recording/copying. (80)</p> <p>11 Lights up when Super Audio CD/CD is loaded. (44)</p> <p>12 Playing status</p> |
|--|--|

Additional Information

Remote control

ALPHABETICAL ORDER		BUTTON DESCRIPTIONS
A – M	N – Z	
ANGLE 4 (42)	NIGHT 23 (96)	Number buttons 15 (45, 67, 91)
AUDIO 17 (43)	ONE-TOUCH PLAY 35 (72)	I/⏻ (on/standby) 1 (32, 33, 41)
CLEAR 32 (46, 58, 68)	PICTURE NAVI 16 (51, 76)	TV I/⏻ (on/standby) 20 (91)
D.TUNING 22 (68)	PRESET +/- 27 (68)	⏮/⏪/⏩/⏭ ⊕ 13 (32, 33, 44, 46, 67, 89)
DISPLAY 5 (69, 79, 97)	PROG +/- 27 (91)	⏮•/•⏭ REPLAY/ADVANCE 10 (41)
DVD MENU 25 (49)	SCORE 33 (95)	⏮⏮/⏭⏭ 27 (41)
DVD TOP MENU 14 (49)	SOUND MODE 6 (40)	⏮⏮/⏭⏭ 11 (41)
DYNAMIC BASS 7 (96)	SUBTITLE 22 (42)	STEP ⏮⏮/⏭⏭ 10 (41)
ENTER <sup>1)</sup> 24 (32, 33, 44, 46, 67, 89)	SYSTEM MENU 24 (32, 37, 96, 97)	SLOW ⏮⏮/⏭⏭ 11 (41)
ECHO 18 (92)	THEATRE 19 (71)	▷ (play) 30 (41)
FUNCTION 3 (36, 41)	TOOLS 26 (91)	■ (stop) 28 (41)
INPUT 16 (91)	TUNING +/- 11 (67)	⏸ (pause) 12 (41)
KARAOKE PON 2 (94)	TV 29 (91)	⏻ DISPLAY <sup>2)</sup> 26 (33, 44, 46, 89)
KEYCON #/b 21 (93)	VOLUME +/- 9 (41)	↶ RETURN 31 (45, 91)
MENU 25 (91)		-/- 32 (91)
MIC VOL +/- 34 (92)		
MUTING 8 (41)		



<sup>1)</sup>The ENTER button has the same function as the ⊕ button. When you operate the TV, the ENTER button is used for selecting a channel, and the ⊕ button is used for selecting menu items (page 91).

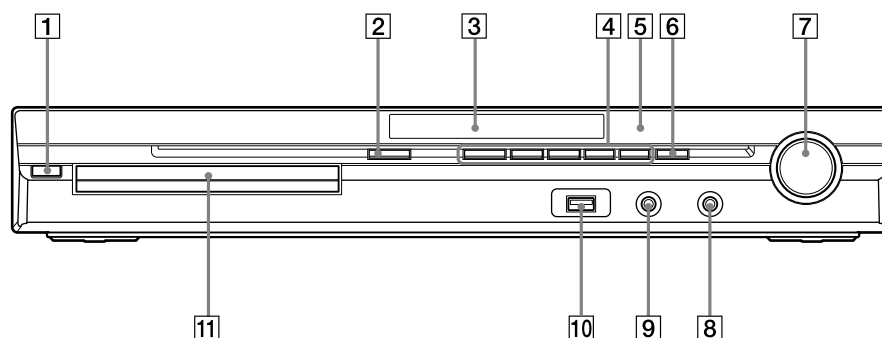
<sup>2)</sup>This button is available for the "DVD," "USB," or "DMPORT\*" function. Depending on the DIGITAL MEDIA PORT adapter, this button may not work.

\* HCD-DZ570M only

## Index to Parts and Control (DZ665K/DZ670M)

For more information, refer to the pages indicated in parentheses.

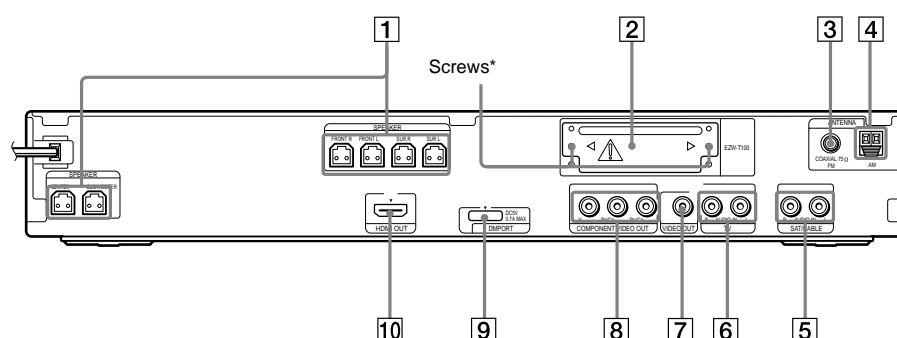
### Front panel



- |                               |   |
|-------------------------------|---|
| 1 I/⏻ (on/standby) (34, 101)  | 7 VOLUME control (42)                       |
| 2 ≡ (open/close) (42)         | 8 MIC2 jack (93)                            |
| 3 Front panel display (121)   | 9 AUDIO IN/MIC1/A.CAL MIC jack (30, 34, 90) |
| 4 Play operation buttons (42) | 10 ⚡ (USB) port (74)                        |
| 5  (remote sensor) (9)        | 11 Disc tray (42)                           |
| 6 FUNCTION (37)               |   |

Additional Information

### Rear panel



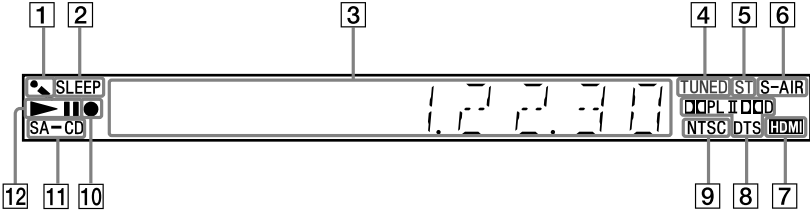
- |                                       |   |
|---------------------------------------|---|
| 1 SPEAKER jacks (27)                  | 8 COMPONENT VIDEO OUT jacks (28)            |
| 2 EZW-T100 slot (30)                  | 9 DMPORT (DIGITAL MEDIA PORT) jack (30, 82) |
| 3 COAXIAL 75Ω FM jack (32)            | 10 HDMI OUT jack (28)                       |
| 4 AM terminal (32)                    |   |
| 5 SAT/CABLE (AUDIO IN R/L) jacks (30) |   |
| 6 TV (AUDIO IN R/L) jacks (28)        |   |
| 7 VIDEO OUT jack (28)                 |   |

**\* ⚠ CAUTION**

Please do not remove the screws before installing the EZW-T100.

Front panel display

About the indications in the front panel display



The diagram shows a horizontal front panel display. On the left, there are three small indicator lights labeled 1, 2, and 12. Light 1 is labeled 'SLEEP', light 2 is labeled 'SA-CD', and light 12 is labeled 'SA-CD'. In the center is a large digital display area labeled 3, which shows '1 2 3 4 5'. On the right, there are three more indicator lights labeled 4, 5, and 6. Light 4 is labeled 'TUNED', light 5 is labeled 'ST', and light 6 is labeled 'S-AIR'. Below these are three more indicator lights labeled 7, 8, and 9. Light 7 is labeled 'HDMI', light 8 is labeled 'DTS', and light 9 is labeled 'NTSC'. At the bottom, there are three more indicator lights labeled 10, 11, and 12. Light 10 is labeled 'DOLBY DIGITAL', light 11 is labeled 'DOLBY DIGITAL', and light 12 is labeled 'DOLBY DIGITAL'.

1

Lights up when the karaoke mode is on. (93)

2

Flashes when the sleep timer is set. (97)

3

Displays system's status such as chapter, title, or track number, time information, radio frequency, playing status, decoding mode, etc.

4

Lights up when a station is received. (Radio only) (67)

5

Stereo/Monaural effect (Radio only) (68)

6

Lights up when the S-AIR transmitter (not supplied) is inserted in the unit and the system transmits the sound. (83)

7

Lights up when the HDMI OUT jack is correctly connected to HDCP (High-bandwidth Digital Content Protection) compliant device with HDMI or DVI (Digital Visual Interface) input. (28)

8

Current surround format (Except for JPEG image file)

9

Lights up when the color system is set to NTSC. (Asian, Australian, and Middle Eastern models only)  
Lights up when an NTSC disc is loaded. (Russian models only)

10

Lights up during USB recording/copying. (80)

11

Lights up when Super Audio CD/CD is loaded. (45)

12

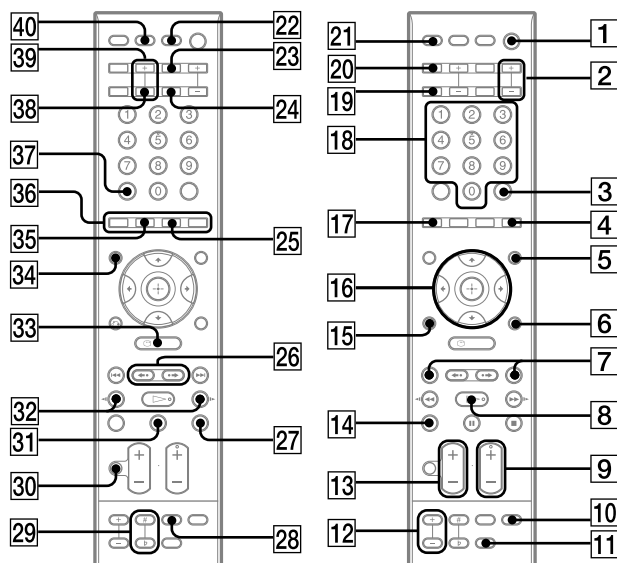
Playing status

Additional Information



## Remote control

ALPHABETICAL ORDER		BUTTON DESCRIPTIONS
A – M	N – Z	
ANALOG <b>38</b> (91)	NIGHT <b>23</b> (97)	Number buttons <b>18</b> (46, 67, 91)
ANGLE <b>4</b> (43)	ONE-TOUCH PLAY <b>40</b> (72)	Colored buttons <b>36</b> (91)
AUDIO <b>35</b> (44)	PICTURE NAVI <b>17</b> (52, 76)	I/⏻ (on/standby) <b>1</b> (33, 34, 42)
CLEAR <b>37</b> (47, 59, 68)	PRESET +/- <b>7</b> (68)	TV I/⏻ (on/standby) <b>22</b> (91)
D.TUNING <b>25</b> (68)	PROG +/- <b>9</b> (91)	⏮/⏪/⏩/⏭ <b>16</b> (33, 34, 45, 47, 67, 89)
DIGITAL <b>24</b> (91)	SCORE <b>28</b> (96)	⏮/•/•/⏭ REPLAY/ADVANCE <b>26</b> (42)
DISPLAY <b>19</b> (69, 79, 98)	SLEEP <b>20</b> (97)	⏮/⏭/⏩ <b>7</b> (42)
DVD MENU <b>5</b> (50)	SOUND MODE +/- <b>39</b> (41)	⏮/⏭/⏩ <b>32</b> (42)
DVD TOP MENU <b>34</b> (50)	SUBTITLE <b>25</b> (43)	⏮/⏭/⏩ <b>32</b> (42)
DYNAMIC BASS <b>24</b> (97)	SYSTEM MENU <b>6</b> (33, 38, 97, 98, 83)	▷ (play) <b>8</b> (42)
ECHO <b>11</b> (93)	THEATRE <b>21</b> (71)	■ (stop) <b>27</b> (42)
ENTER* <b>3</b> (33, 34, 45, 47, 67, 89)	TOOLS <b>6</b> (91)	⏸ (pause) <b>31</b> (42)
FUNCTION +/- <b>2</b> (37, 42)	TUNING +/- <b>32</b> (67)	⏻ DISPLAY** <b>33</b> (34, 45, 47, 89)
KARAOKE PON <b>10</b> (95)	TV <b>14</b> (91)	🔍 RETURN <b>15</b> (46, 91)
KEYCON #/b <b>29</b> (94)	TV VOL +/- <b>13</b> (91)	-/-- <b>3</b> (91)
MENU <b>33</b> (91)	VOLUME +/- <b>13</b> (42)	⏮/? <b>19</b> (91)
MIC VOL +/- <b>12</b> (93)		⏮ <b>37</b> (91)
MUTING <b>30</b> (42)		⏮ <b>34</b> (91)
		⏮/⏭ <b>5</b> (91)
		⏮/⏭ <b>9</b> (91)



\* The ENTER button has the same function as the ⏻ button. When you operate the TV, the ENTER button is used for selecting a channel, and the ⏻ button is used for selecting menu items (page 91).

\*\* This button is available for the "DVD," "USB," or "DMPORT" function. Depending on the DIGITAL MEDIA PORT adapter, this button may not work.

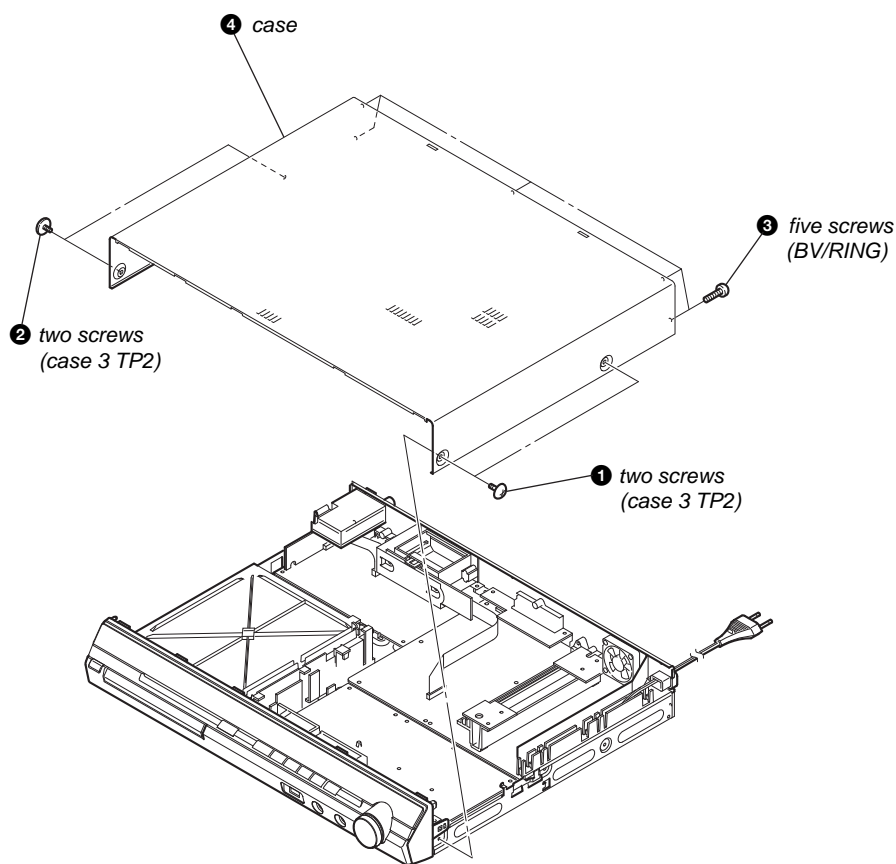
## SECTION 3 DISASSEMBLY

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

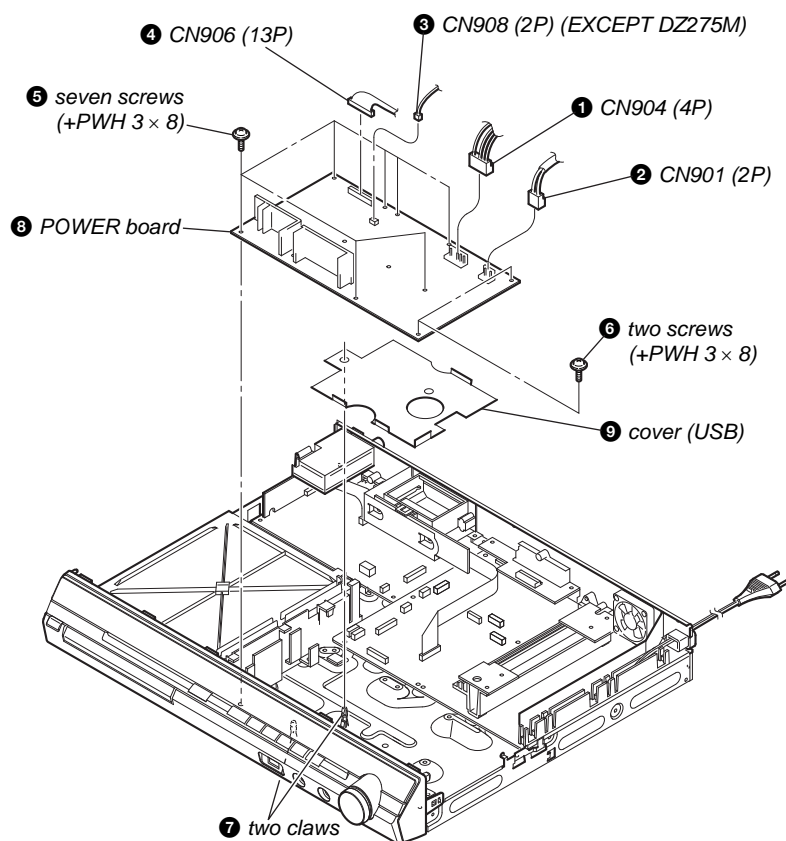


Note: Follow the disassembly procedure in the numerical order given.

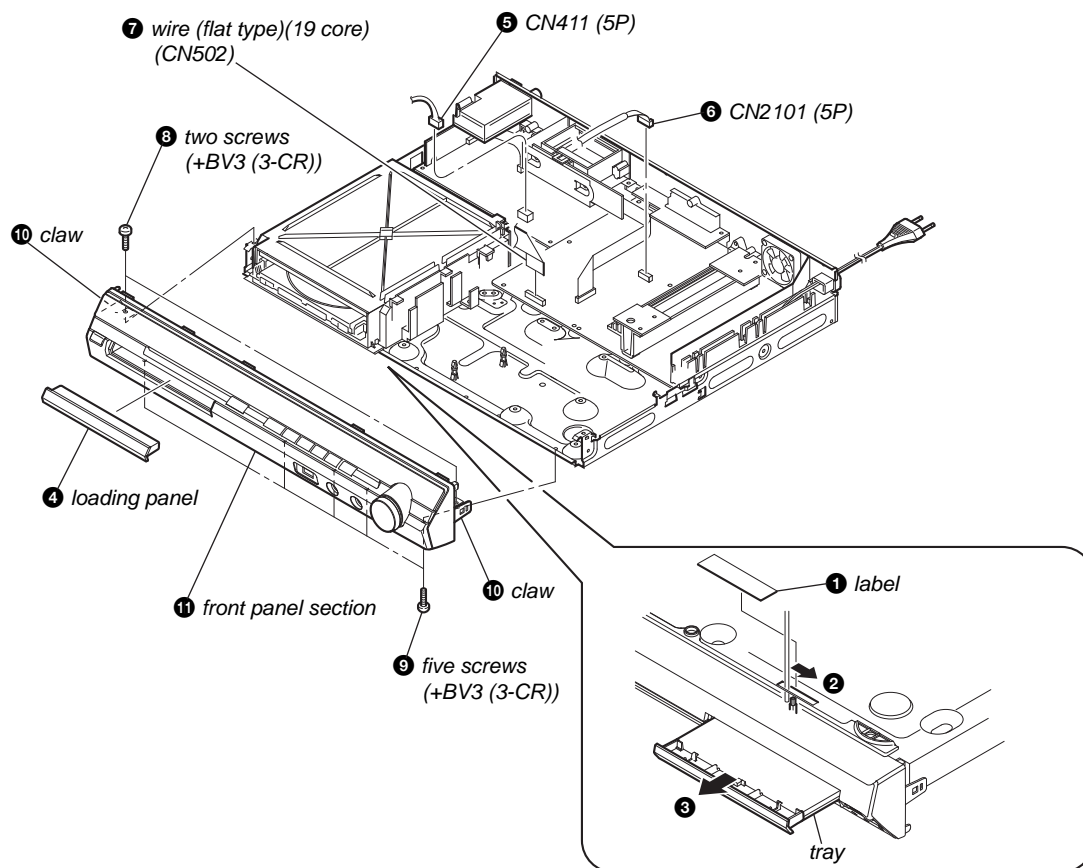
### 3-1. CASE



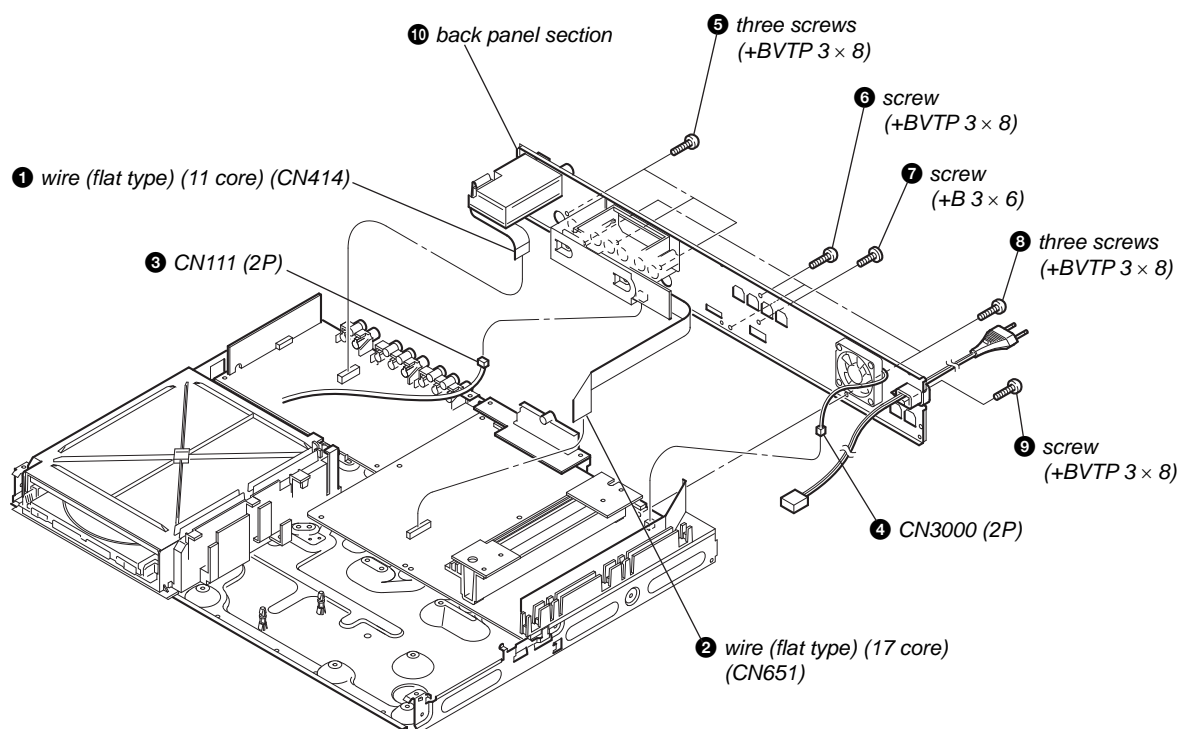
### 3-2. POWER BOARD



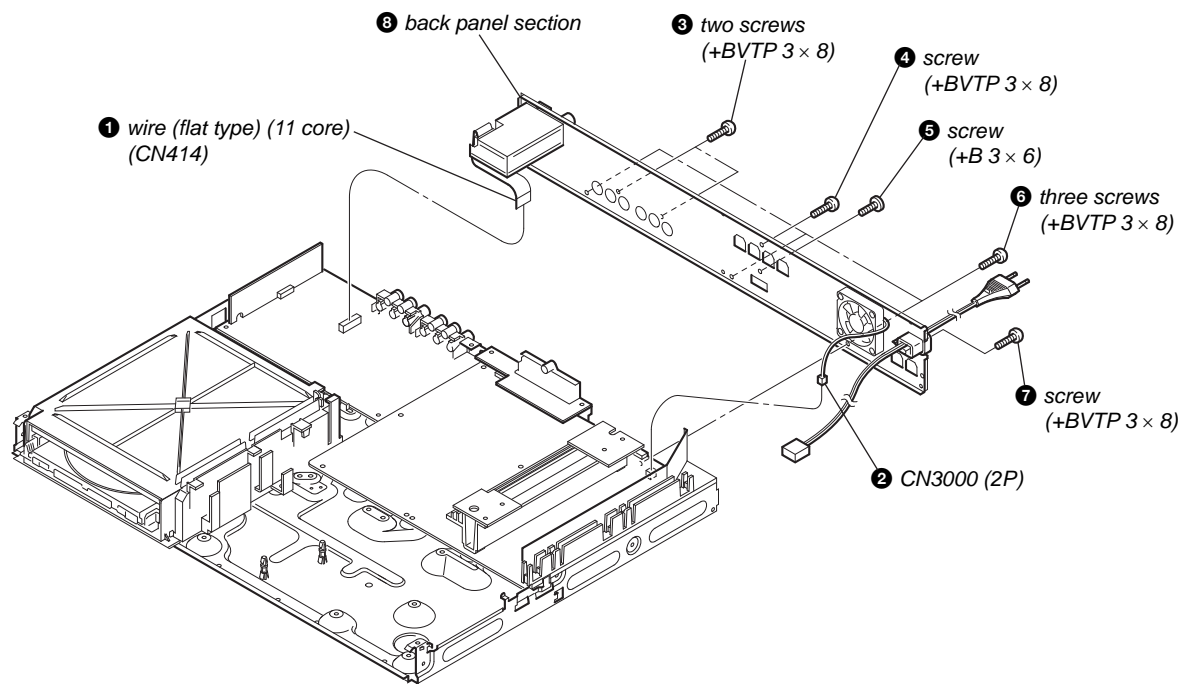
### 3-3. FRONT PANEL SECTION



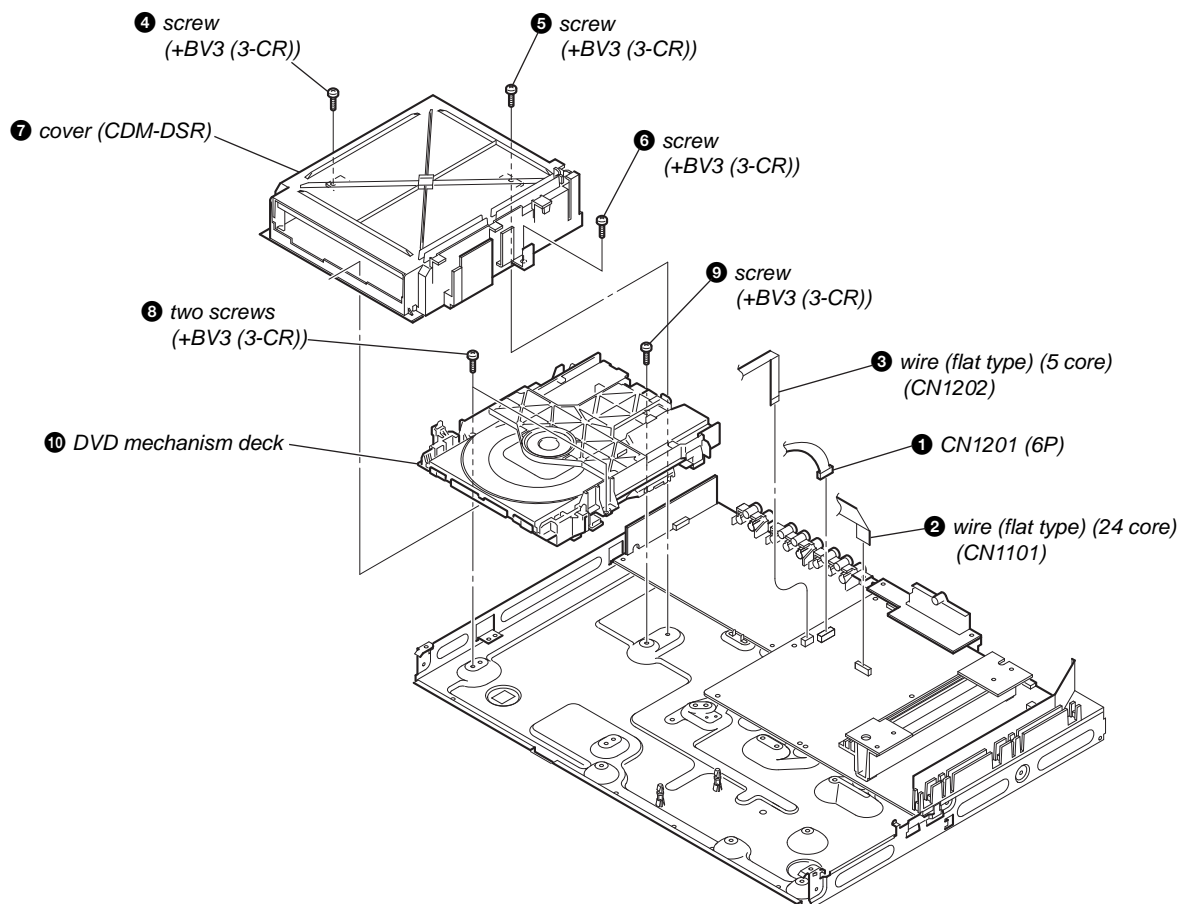
### 3-4. BACK PANEL SECTION (DZ570M/DZ665K/DZ670M)



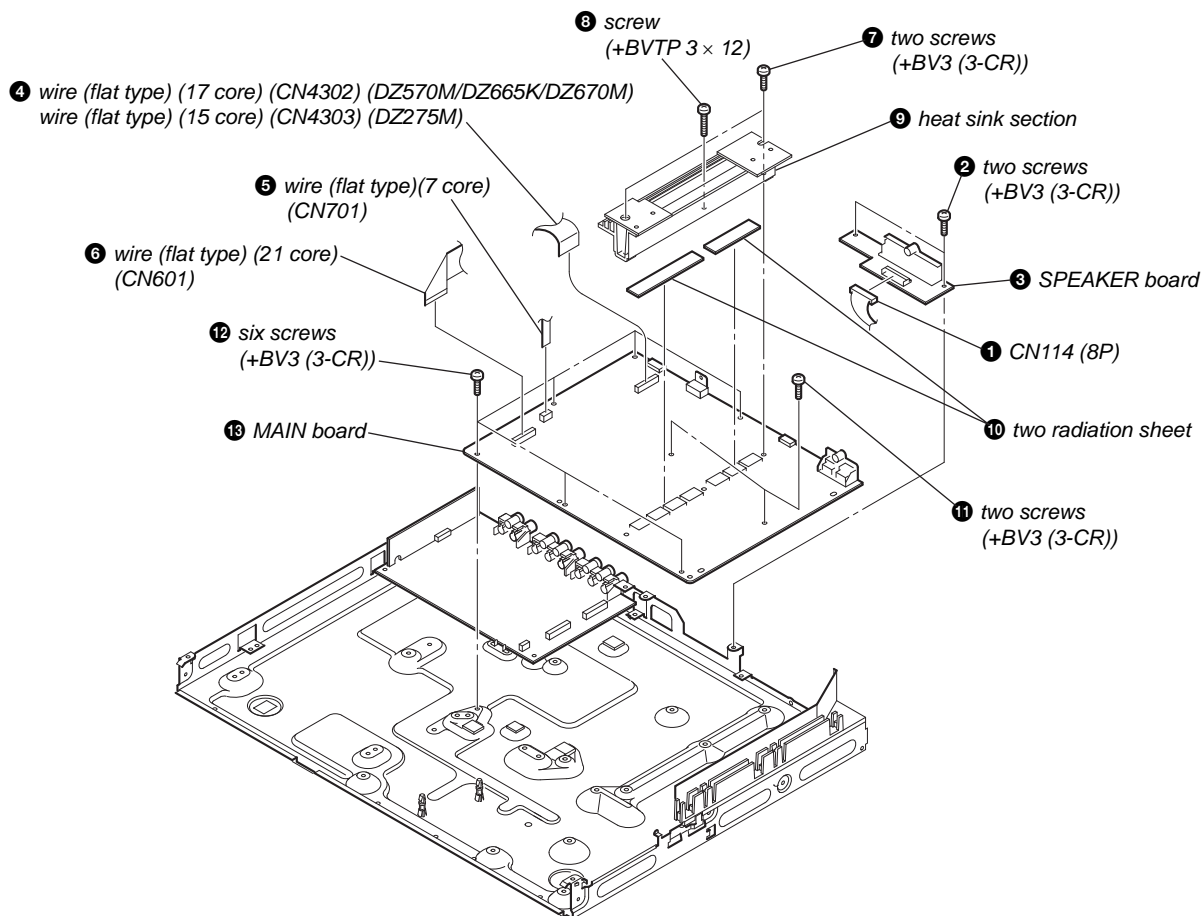
## 3-5. BACK PANEL SECTION (DZ275M)



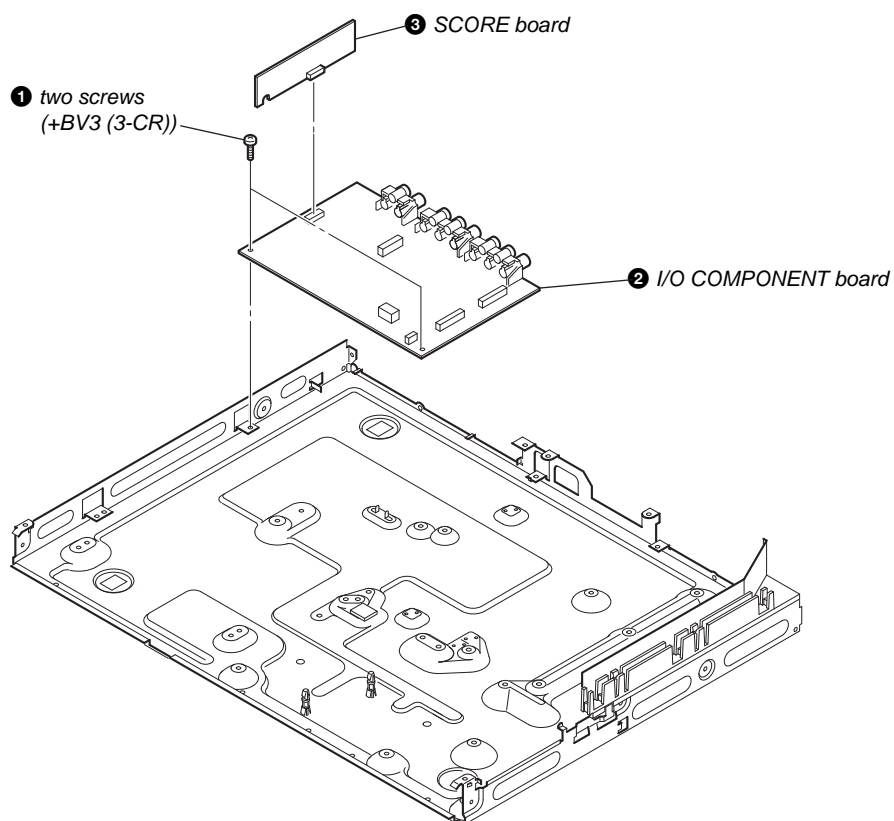
## 3-6. DVD MECHANISM DECK



### 3-7. MAIN BOARD

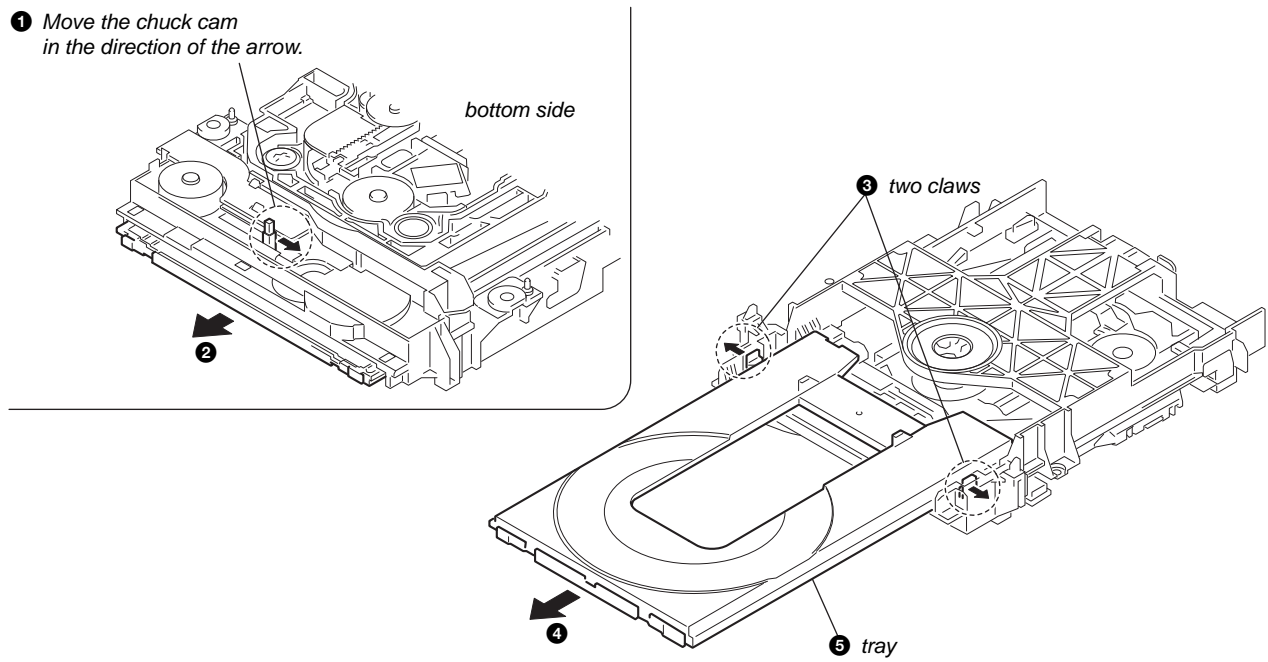


### 3-8. IO-COMPONENT BOARD, SCORE BOARD

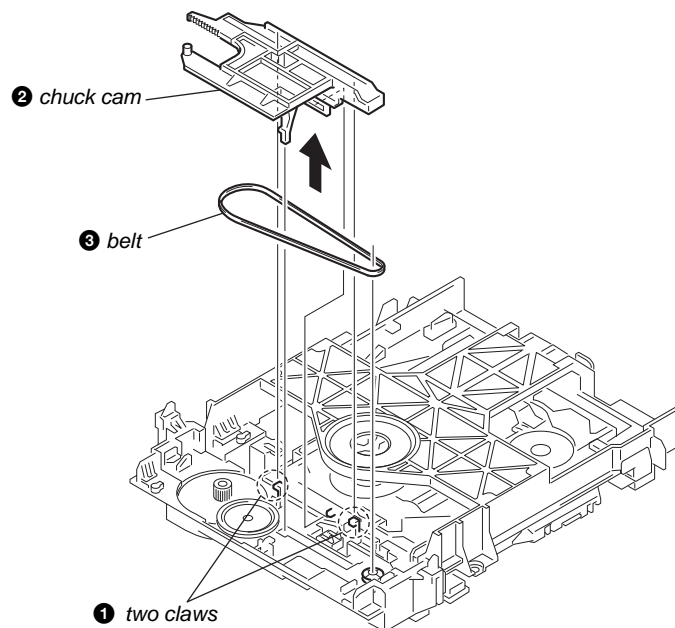


## 3-9. TRAY

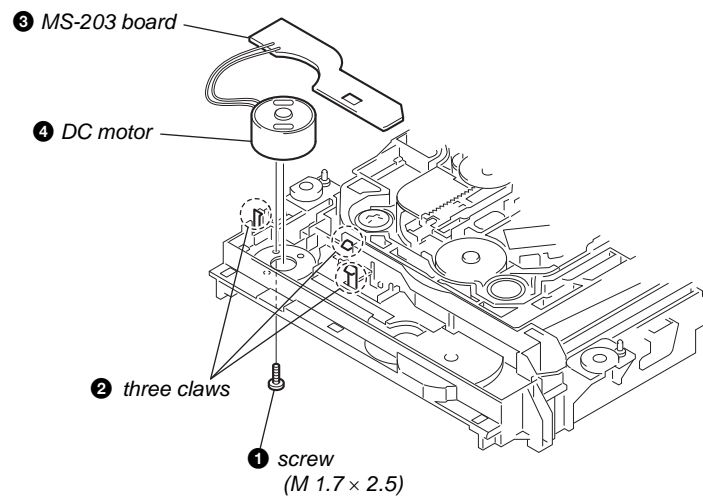
- ❶ Move the chuck cam in the direction of the arrow.



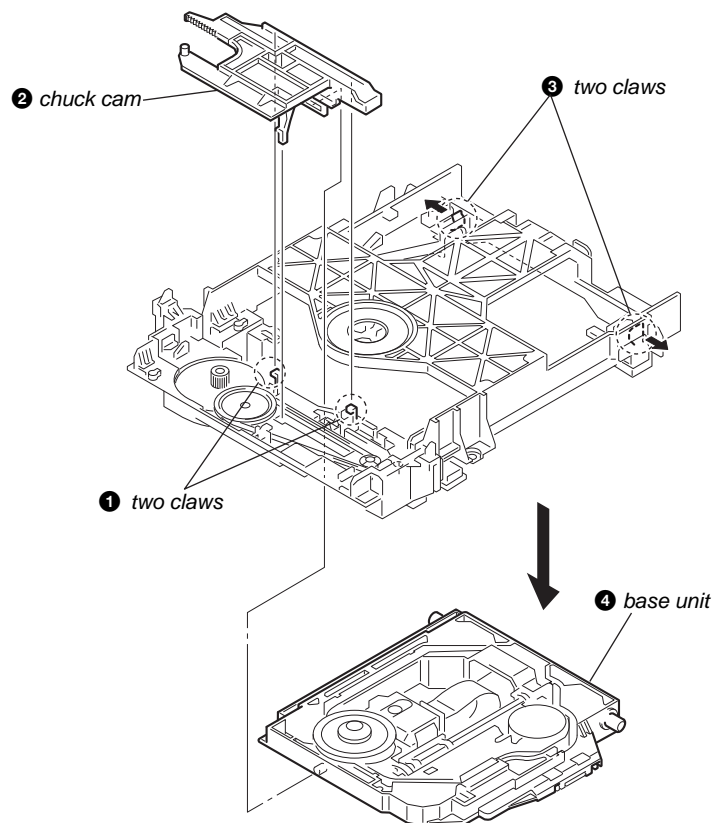
## 3-10. BELT



3-11. MS-203 BOARD

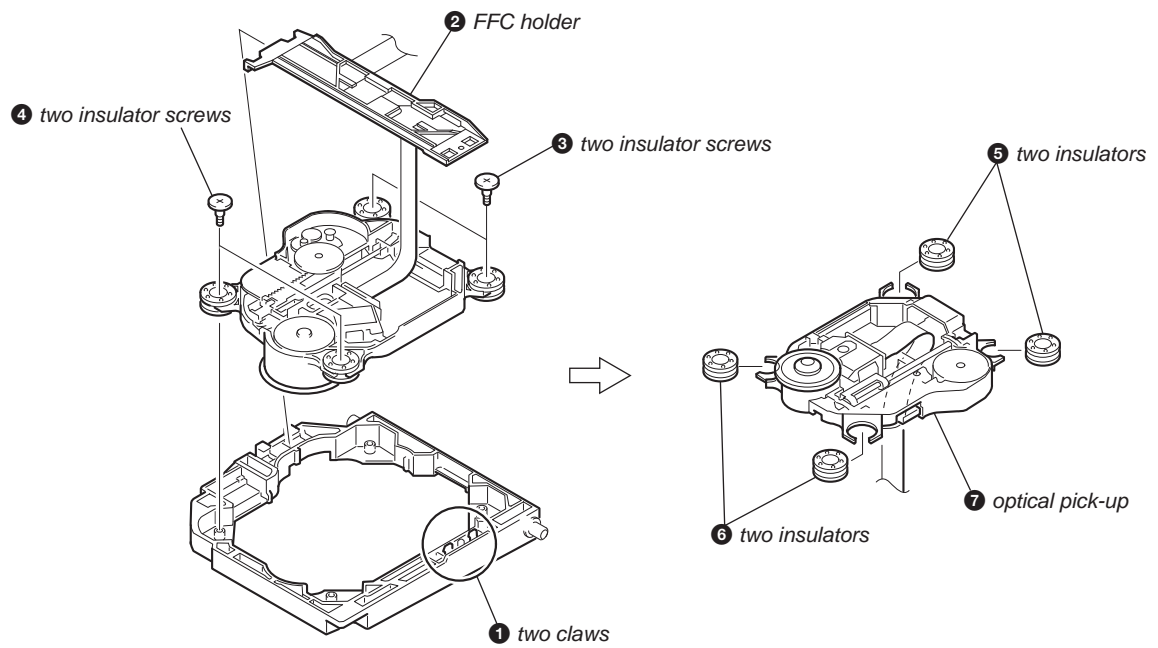


3-12. BASE UNIT





## 3-13. OPTICAL PICK-UP



## SECTION 4

### TEST MODE

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

#### 1. Cold Reset

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

##### Procedure:

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

#### 2. Panel Test Mode

- This mode is used to check the software version, FL and KEY.

##### 2-1. Display Test Mode

##### Procedure:

- Press the [I/⏻] button to turn the power on.
- Press three buttons [■], [◀] and [△] simultaneously.
- When the display test mode is activated, all segments are turned on.
- To exit from this mode, press three buttons [■], [◀] and [△] simultaneously.

##### 2-2. Version Test Mode

##### Procedure:

- When the display test mode is activated, press the [◀] button and the message “DSR2K” (DZ275M), “DSR4K” (DZ570M), “DSR7K” (DZ665K), “DSR7K” (DZ670M) are displayed, the version test mode is activated.
- Whenever the [◀] button is pressed, the display changes in the following order.

```

→ “DSR2K” (Model name) → “RU”*1 (Destination) →
  → MC Version → SYS Version → UI Version →
  → DVD Version → ST Version → TA Version →
  → DSP Version → TM Version → MM Version →
  → CLA Version → CEC Version → SAIR Version →
  
```

\*1: RU changes depending on destination.

- Press the [▶▶] button and the date of the software production is displayed.
- Press the [▶▶] button again and the version is displayed.
- To exit from this mode, press three buttons [■], [◀] and [△] simultaneously.

##### 2-3. Key Test Mode

##### Procedure:

- When the display test mode is activated, press the [▷] button, to select the key test mode.
- To enter the KEY test mode, the fluorescent indicator displays “K0 V0”. Each time an another button is pressed, “KEY” value increases. However, once a button is pressed, it is no longer taken into account. When all keys are pressed correctly, “K8 V0” is displayed.
- When the [VOLUME] control is turned in the direction of (+), “V0” is changed to “V1”, then ... “V9”.  
When the [VOLUME] control is turned in the direction of (–), “V0” is changed to “V9”, then ... “V1”.
- To exit from this mode, press three buttons [■], [◀] and [△] simultaneously.

#### 3. Disc Tray Lock

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

##### Setting Procedure :

- Press the [I/⏻] button to turn the set on.
- Press the [FUNCTION] button to set DVD function.
- Insert a disc.
- Press the [■] button and the [△] button simultaneously for five seconds.
- The message “LOCKED” is displayed and the tray is locked.

##### Releasing Procedure :

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

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

#### 4. DVD Ship Mode

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

##### Procedure:

- Press the [I/⏻] button to turn the set on.
- Press the [FUNCTION] button to set the function “DVD”.
- Remove all discs, and then press two buttons [▷] and [I/⏻] simultaneously.
- After a message “MECHA LOCK” ⇔ “PULL PLUG” is displayed on the fluorescent indicator tube, pull out the AC plug.
- To exit from this mode, press the [I/⏻] button to turn the set on.

#### 5. Product Out

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

##### Procedure:

- Press the [I/⏻] button to turn the power on.
- Press the [FUNCTION] button to set the function “DVD”.
- Remove all discs, and then press three buttons [▶▶], [△] and [I/⏻] simultaneously.
- After the “STANDBY” blinking display finishes, the message “MECHA LOCK” ⇔ “PULL PLUG” is displayed on the fluorescent indicator tube disconnect the AC power plug, then the ship mode is set.

## DVD SECTION

### 6-1. GENERAL DESCRIPTION

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

Be sure to execute the IOP measurement when a BU (Base Unit) is replaced.

### 6-2. HOW TO ENTER TEST MODE

While pressing the [■] and [≡] buttons simultaneously, turn [VOLUME] control in the direction of (+) with the DVD player in power on.

The Test Mode starts, displayed "SERVICE IN" on this model display then the menu shown below will be displayed on the TV screen.

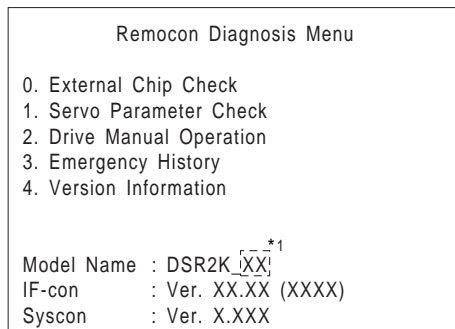
\* The display of the "Model Name" of the "Remocon Diagnosis Menu" change with the model and the destination. Refer to below on the model name.

DZ275M : DSR2K

DZ570M : DSR4K

DZ665K : DSR7K

DZ670M : DSR7K



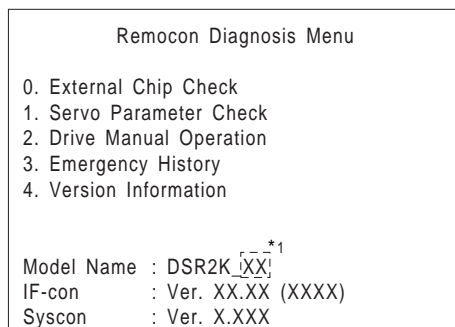
\*1: Changes depending on destination

The menu above is the Remocon Diagnosis Menu screen which consists of five main functions. At the bottom of the menu screen, the model name and IF-con version. To exit from the Test Mode, press the power button on the remote commander.

### 6-3. EXECUTING IOP MEASUREMENT

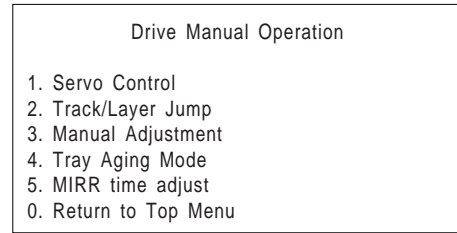
In order to execute IOP measurement, the following standard procedures must be followed.

- (1) In power on, while pressing the [■] and [≡] buttons simultaneously, turn the [VOLUME] control in the direction of (+).

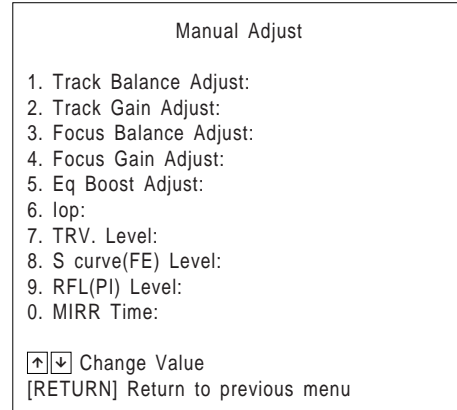


\*1: Changes depending on destination

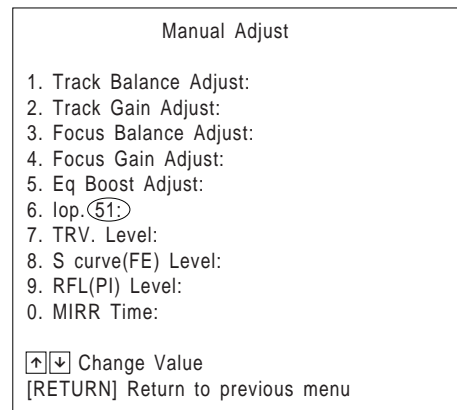
- (2) Select "2. Drive Manual Operation" by pressing the [2] button on the remote commander. The screen will appear as shown.



- (3) Select "3. Manual Adjustment" by pressing the [3] button on the remote commander. The screen will appear as shown.



- (4) Select "6. IOP" by pressing the [6] button on the remote commander.
- (5) Wait until a hexadecimal number appear.



- (6) Convert each data from hexadecimal to decimal using conversion table.
- (7) Please find the label on the rear of the BU (Base Unit). The default IOP value is written in the label.
- (8) Subtract between these two values.
- (9) If the remainder is smaller than 93 (decimal), then it is OK. However if the value is higher than 93, then the BU is defective and need to be change.
- (10) Press the [RETURN] button on the remote commander to return back to previous menu.
- (11) Press the [0] button on the remote commander to return to Top Menu.

## 6-4. EMERGENCY HISTORY

To check the emergency history, please follow the following procedure.

- (1) From the Top Menu of Remocon Diagnosis Menu, select “3. Emergency History Check” by pressing the [3] button on the remote commander. The following screen appears on the on-screen display.

Emg. History Check											
Laser Hours				CD DVD		999h 999h		59min 59min			
01.	01	05	04	04		00	92	46	00		
	00	00	00	00		00	00	23	45		
02.	02	02	01	01		00	A9	4B	00		
	00	00	00	00		00	00	23	45		
[Next] Next Page [Prev] Prev Page											
[O] Return to Top Menu											

- (2) You can check the total time when the laser is turned on during playback of DVD and CD from the above menu. The maximum time, which can be displayed are 999h 59min.
- (3) You can check the error code of latest 10 emergency history from the above menu. To view the previous or next page of emergency history, press [◀◀] or [▶▶] button on the remote commander. The error code consists of the following three blocks. The first block indicates the error code. The second block indicates the parameter and the third block indicates the time of error code as shown below.

### • Error Code

Emg. History Check											
Laser Hours				CD DVD		999h 999h		59min 59min			
01.	*1	*2									
	01	05	04	04		00	92	46	00		
	00	00	00	00		00	00	23	45		
02.	02	02	01	01		00	A9	4B	00		
	00	00	00	00		00	00	23	45		
[Next] Next Page [Prev] Prev Page											
[O] Return to Top Menu											

\*1 : Error Code

\*2 : Parameter of error code

\*3 : Time of error code

The meaning of error code is as below:

- 01: Communication error (No reply from syscon)
- 02: Syscon hung up
- 03: Power OFF request when syscon hung up
- 19: Thermal shutdown
- 24: MoveSledHome error
- 25: Mechanical move error (5 Changer)
- 26: Mechanical move stack error
- 30: DC motor adjustment error
- 31: DPD offset adjustment error
- 32: TE balance adjustment error
- 33: TE sensor adjustment error
- 34: TE loop gain adjustment error
- 35: FE loop gain adjustment error
- 36: Bad jitter after adjustment
- 40: Focus NG
- 42: Focus layer jump NG
- 52: Open kick spindle error
- 51: Spindle stop error

- 60: Focus on error
- 61: Seek fail error
- 62: Read Q data/ID error
- 70: Lead in data read fail
- 71: TOC read time out (CD)
- 80: Can't buffering
- 81: Unknown media type

### 6-4-1. Clear the Laser Hour

Press [DISPLAY] button and then press [CLEAR] button on the remote commander. The data for both CD and DVD data are reset.

Emg. History Check											
Laser Hours				CD DVD		0h 0h		0min 0min			
01.	01	05	04	04		00	92	46	00		
	00	00	00	00		00	00	23	45		
02.	02	02	01	01		00	A9	4B	00		
	00	00	00	00		00	00	23	45		
[Next] Next Page [Prev] Prev Page											
[O] Return to Top Menu											

### 6-4-2. Clear the Emergency History

Press [DVD TOP MENU] button and then press [CLEAR] button on the remote commander. The error code for all emergency history would be reset.

Emg. History Check											
Laser Hours				CD DVD		999h 999h		59min 59min			
01.	00	00	00	00		00	00	00	00		
	00	00	00	00		00	00	00	00		
02.	00	00	00	00		00	00	00	00		
	00	00	00	00		00	00	00	00		
[Next] Next Page [Prev] Prev Page											
[O] Return to Top Menu											

### 6-4-3. Clear the Initialize Setup Data

Press [DVD MENU] button and then press [CLEAR] button on the remote commander.

Emg. History Check			
Laser Hours	CD	999h	59min
	DVD	999h	59min
initialize setup data...			
[Next] Next Page [Prev] Prev Page			
[O] Return to Top Menu			

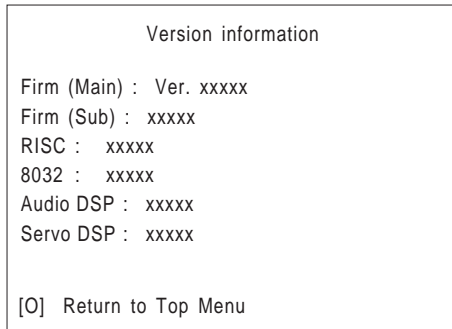
#### 6-4-4. Return to the Top Menu of Remocon Diagnosis Menu

Press [0] button on the remote commander.

#### • Check Version Information

To check the version information, please follow the following procedure.

- (1) From the Top Menu of Remocon Diagnosis Menu, select “4. Version Information” by pressing the [4] button on the remote commander. The following screen appears on the on-screen display.

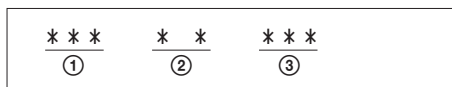


To return to the Top Menu of Remocon Diagnosis Menu, press [0] button on the remote commander.

#### 6-5. AUTOMATIC ACOUSTIC FIELD CALIBRATION MICROPHONE TEST MODE

Procedure:

1. Press the [I/⏻] button to turn the power on.
2. Press the [FUNCTION] button to set the function “DVD”.
3. Insert ECM-AC2 supplied as an accessory into the AUDIO IN/ A.CAL MIC jack.
4. While pressing the [■] and [⏏] buttons simultaneously, turn the [VOLUME] control in the direction of (+).
5. Confirm that the following are shown on the display panel.
  - ① The JACK inserted/non-inserted detection display and the STEREO/MONO detection display.
  - ② Presence of DIGITAL voice input to the microcomputer. (OK: input, NG: no input)
  - ③ The value of the MIC input to the microcomputer. (shown “255h”)



- ① “NON” : Not detected  
“ST” : STEREO  
“MN” : MONO

- ② OK : input  
NG : no input

- ③ 0-255 (Changes in real time)

6. To exit from this mode, press the [■] and [⏏] buttons simultaneously, turn the [VOLUME] control in the direction of (+).

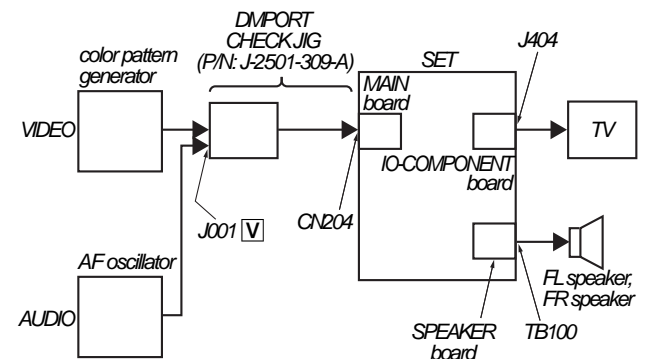
#### 7. DEMO PLAY OUT

It is a mode to release the demonstration reproduced by the dedicated demonstration disc.

1. During playback the DEMO Disc, press the [■] and [▷] buttons for five seconds simultaneously.
2. The message “DEMO OFF” is displayed, a mode to reproduce the demonstration is released.

#### 8. DIGITAL MEDIA PORT TEST

1. Connect the DMPORT CHECK JIG (P/N: J-2501-309-A) with the terminal DMPORT.
2. Press the [I/⏻] button to turn the power on.
3. Confirm that both LEDs of the DMPORT confirmation JIG lights. (Confirmation the power supply line.)
4. Set the [FUNCTION] button with “DMPORT” on this model.
5. Press the [■], [◀] buttons and turn the [VOLUME] control in the direction of (+) simultaneously, the DMPORT test mode is activated.
6. It is confirmed that “DMPORT OK” is displayed on this set display. (Confirmation of communication line)
7. To a pin jack of the DMPORT confirmation JIG input information relevant to audio signal (sine-wave 1.0Vrms) and composite video signal (white 100% 1.0Vp-p, color bar, etc.)
8. Confirm the output of speakers and monitor TV. (Confirmation of analog signal)
9. To exit from this mode, press the [■], [◀] buttons and turn the [VOLUME] control in the direction of (+).



## 9. PROTECTION FACTOR (SD DETECTION/ DC DETECTION) IDENTIFICATION TEST MODE

When an error is detected, the FL tube alternately displays  
“PROTECTOR ⇔ PUSH POWER”.

↓ Press the [I/⏻] button.

\* Buttons other than the [I/⏻] button are invalid.

“STANDBY” blinks three times on the FL tube.

↓

The protection release state (POWER OFF) is established.

(No FL tube display)

↓ Press the [I/⏻] button two times.

The power to the system turns on, and the normal operation is  
established. (Restore)

During the protection state:

1. If the AC plug is connected or disconnected during the  
protection state, the protection state is released, and the  
normal operation is established. (The protection state is not  
maintained.)
2. The protection factor is displayed by pressing the [FUNCTION],  
[⏻] and [▶▶▶] buttons at the same time during the protection  
state  
(during the “PROTECTOR ⇔ PUSH POWER” display).
  - ⇒ When SD is detected: Repeats  
“SD DETECT ⇔ PROTECTOR”.
  - ⇒ When DC is detected: Repeats  
“DC DETECT ⇔ PROTECTOR”.

### PL: SD detection

When the “L” output from the SD (shutdown) port on the  
S-MASTER POWER Driver Shutdown and voltage descent  
(15V or less) of 30V power supply (PVDD) are detected.

### DC detection

When the “L” output from the power/speaker error detection  
circuit (DC detection port) is detected for two seconds  
continually, the power system other than that of the FL tube  
is turned off, and the protection state is established.

HCD-DZ275M/DZ570M/DZ665K/DZ670M

SECTION 5  
ELECTRICAL ADJUSTMENTS

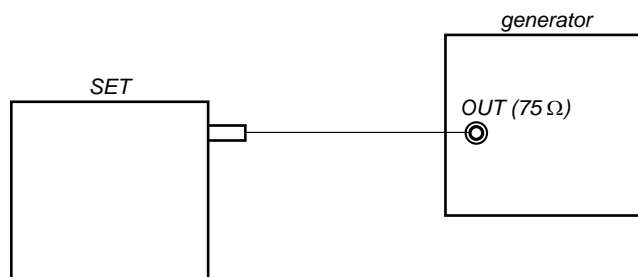
**DVD SECTION**

When the optical pick-up assy is replaced, perform the "EXECUTING IOP MEASUREMENT".

EXECUTING IOP MEASUREMENT (See page 27)

**TUNER SECTION**

[FM Tune Level Check]



Procedure:

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

\* Carrier Freq : 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 tune A, B and C signals.
4. Confirm "TUNED" is lit on the display for A, B and C signals.

The mark of "TUNED" means "The selected station signal is received in good condition."

## SECTION 6

### DIAGRAMS

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

#### For Printed Wiring Boards.

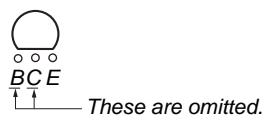
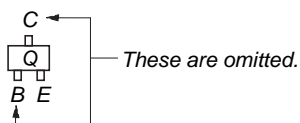
Note:

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

Caution:

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

- Indication of transistor.



#### For Schematic Diagrams.

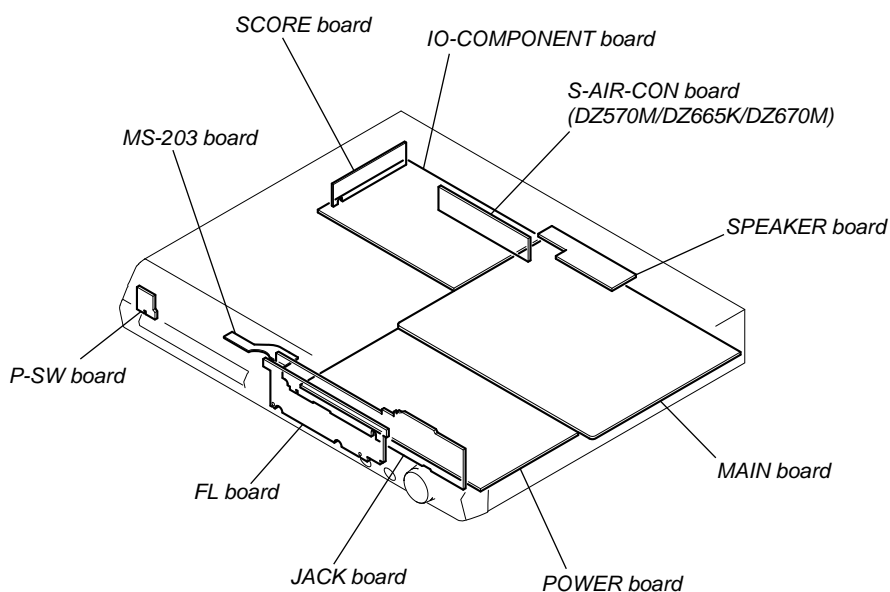
Note:

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and 1/4 W or less unless otherwise specified.
- $\Delta$  : internal component.
- : panel designation.

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

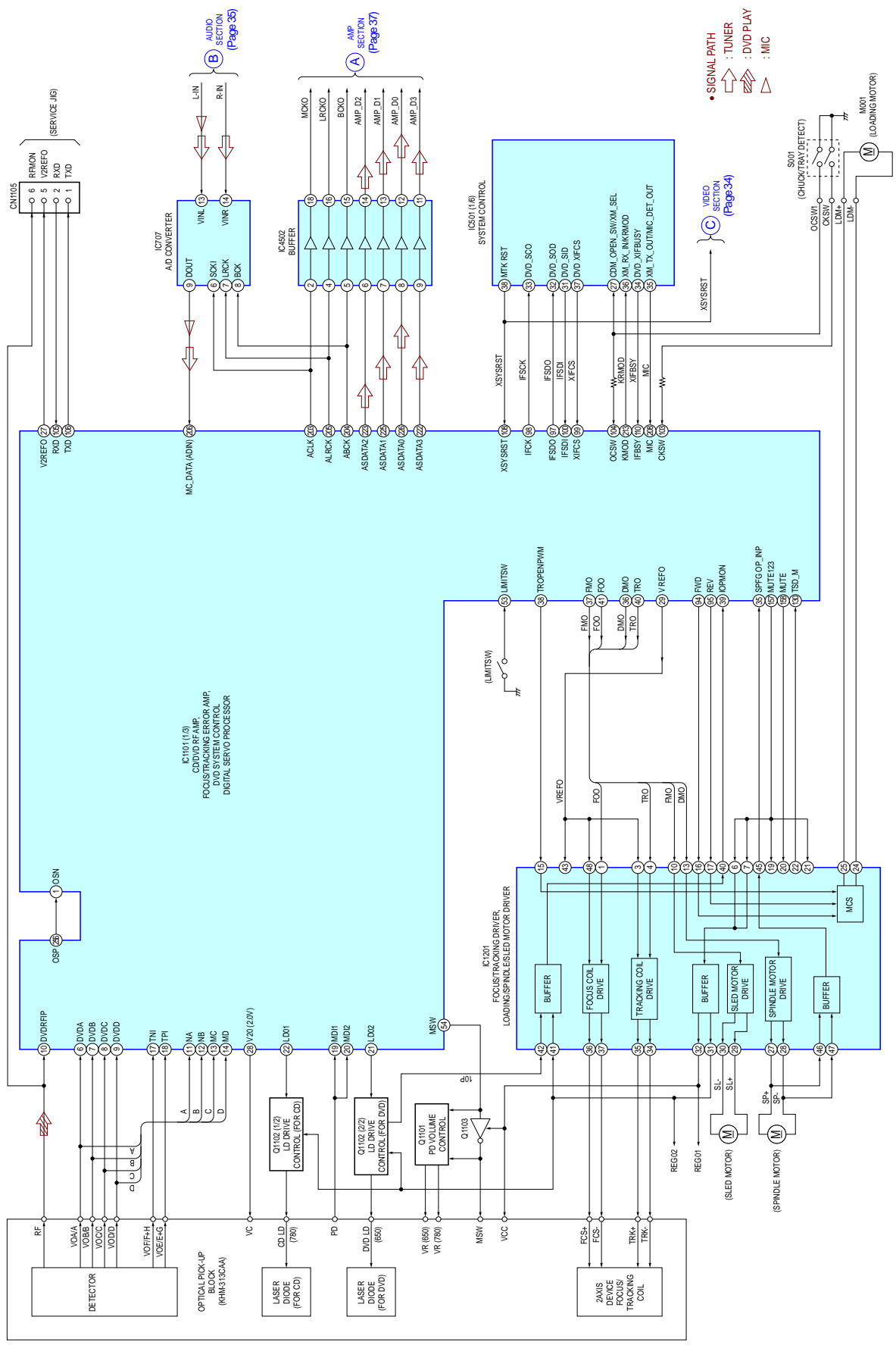
- : B+ Line.
- - - : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages and waveforms are dc with respect to ground in service mode.
- Waveforms are taken with a oscilloscope.  
Voltage variations may be noted due to normal production tolerances.
- no mark: TUNER (FM)
- < > : DVD PLAY
- \* : Impossible to measure
- Voltages are taken with VOM (Input impedance 10 M $\Omega$ ).
- Circled numbers refer to waveforms.
- Signal path.
- ⇒ : TUNER
- ▷ : MIC
- ⊞ : DVD PLAY
- ⇒ : VIDEO
- ▷ : Y
- ▷ : CHROMA
- ⊞ : COMPONENT VIDEO

- Circuit Boards Location

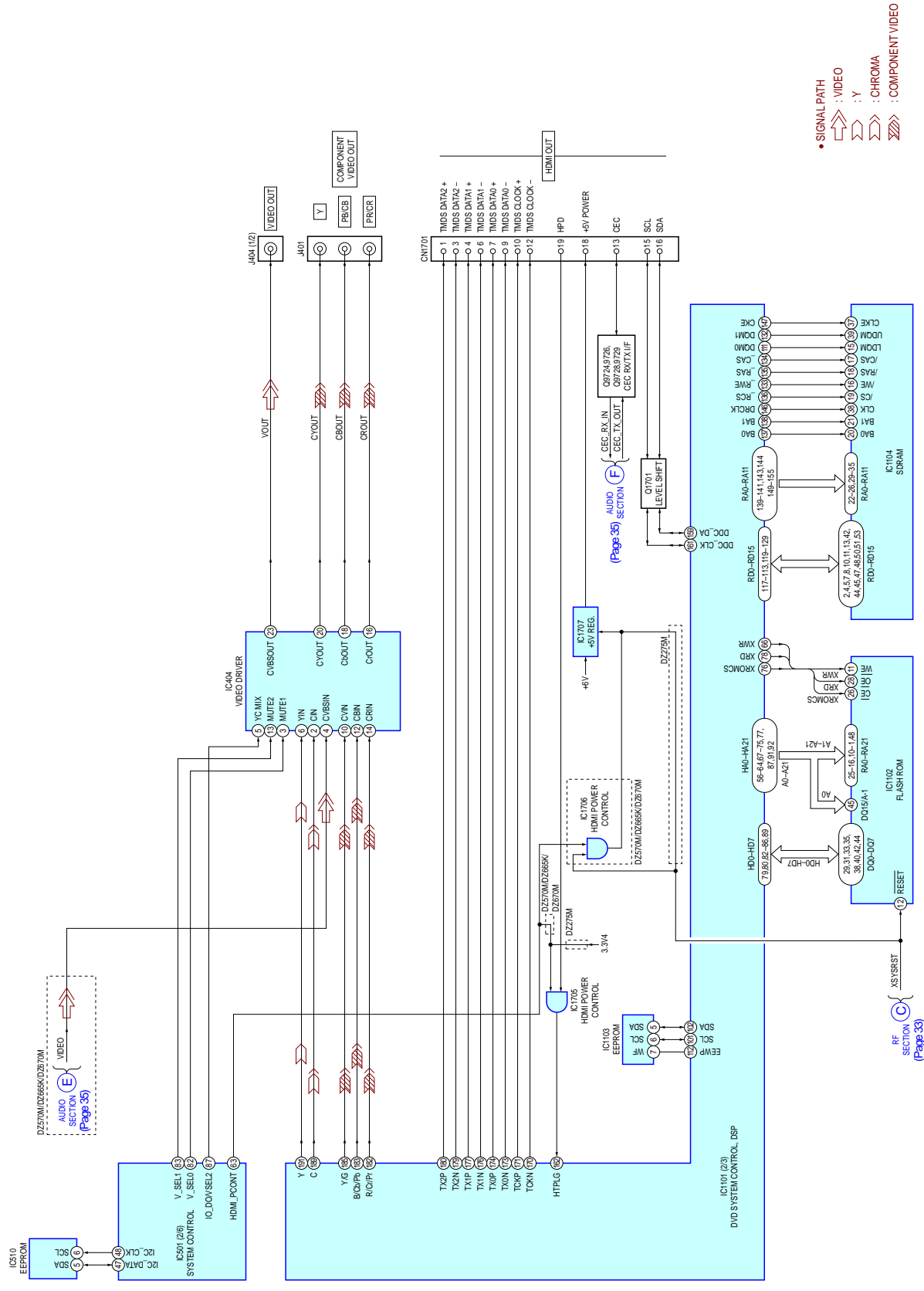




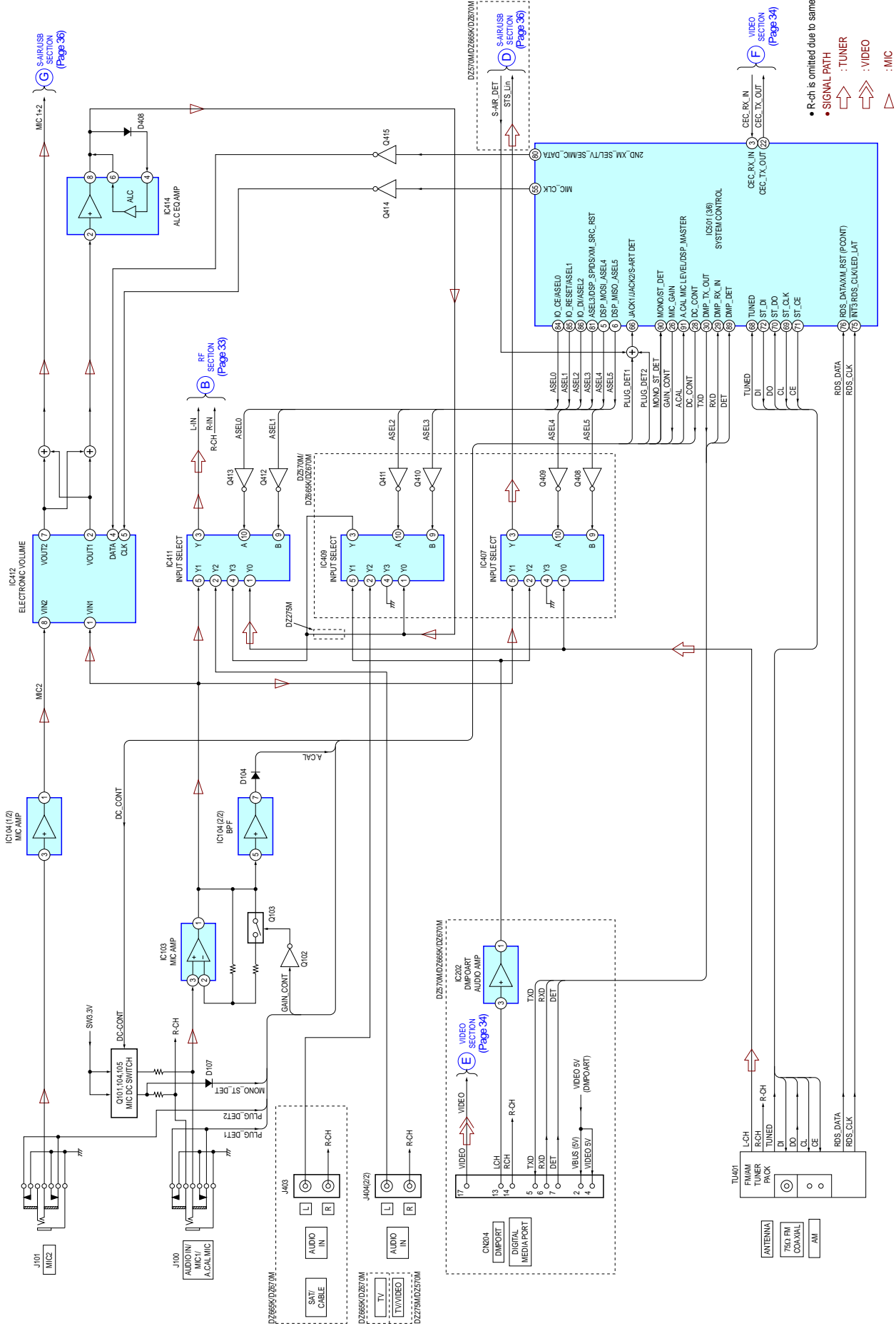
6-1. BLOCK DIAGRAM – RF Section –



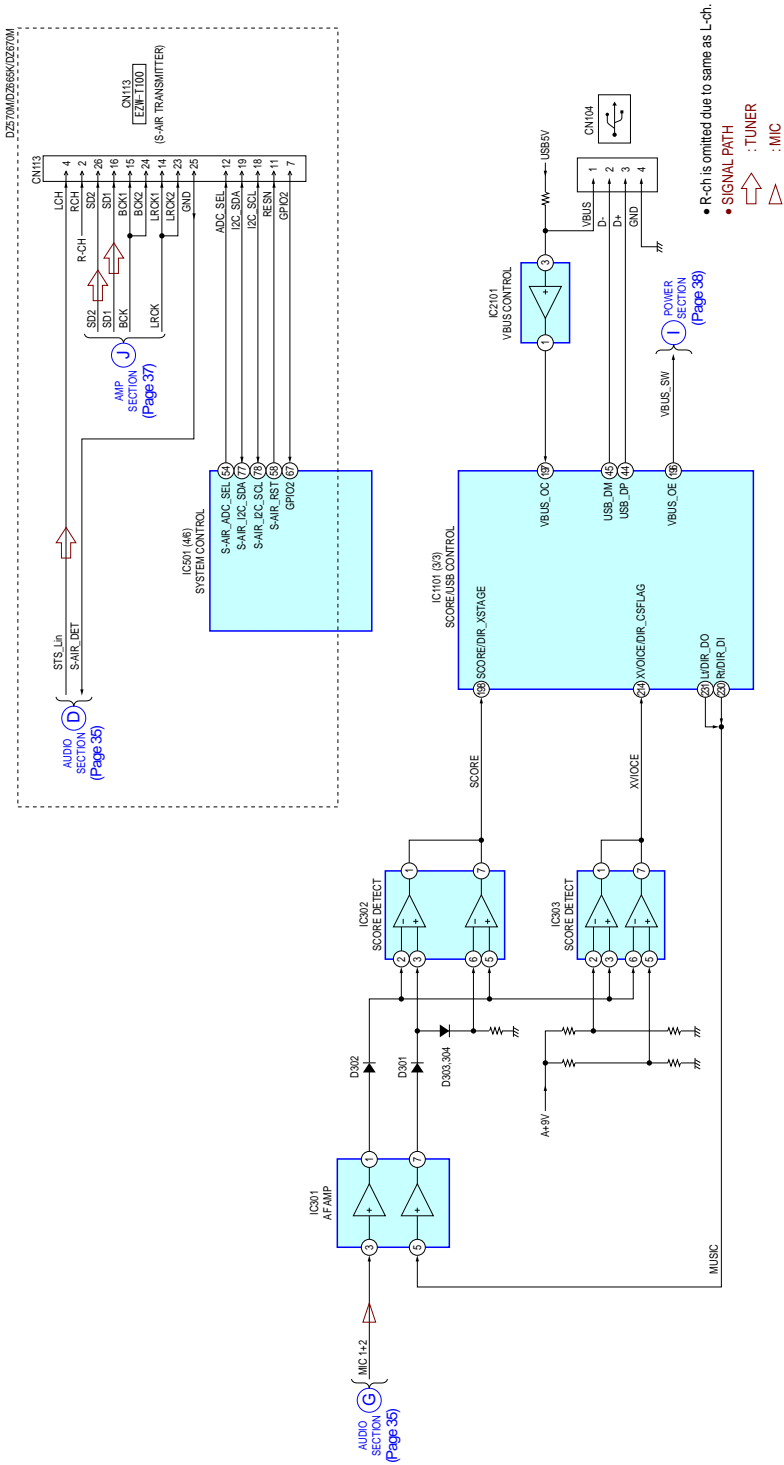
## 6-2. BLOCK DIAGRAM – VIDEO Section –



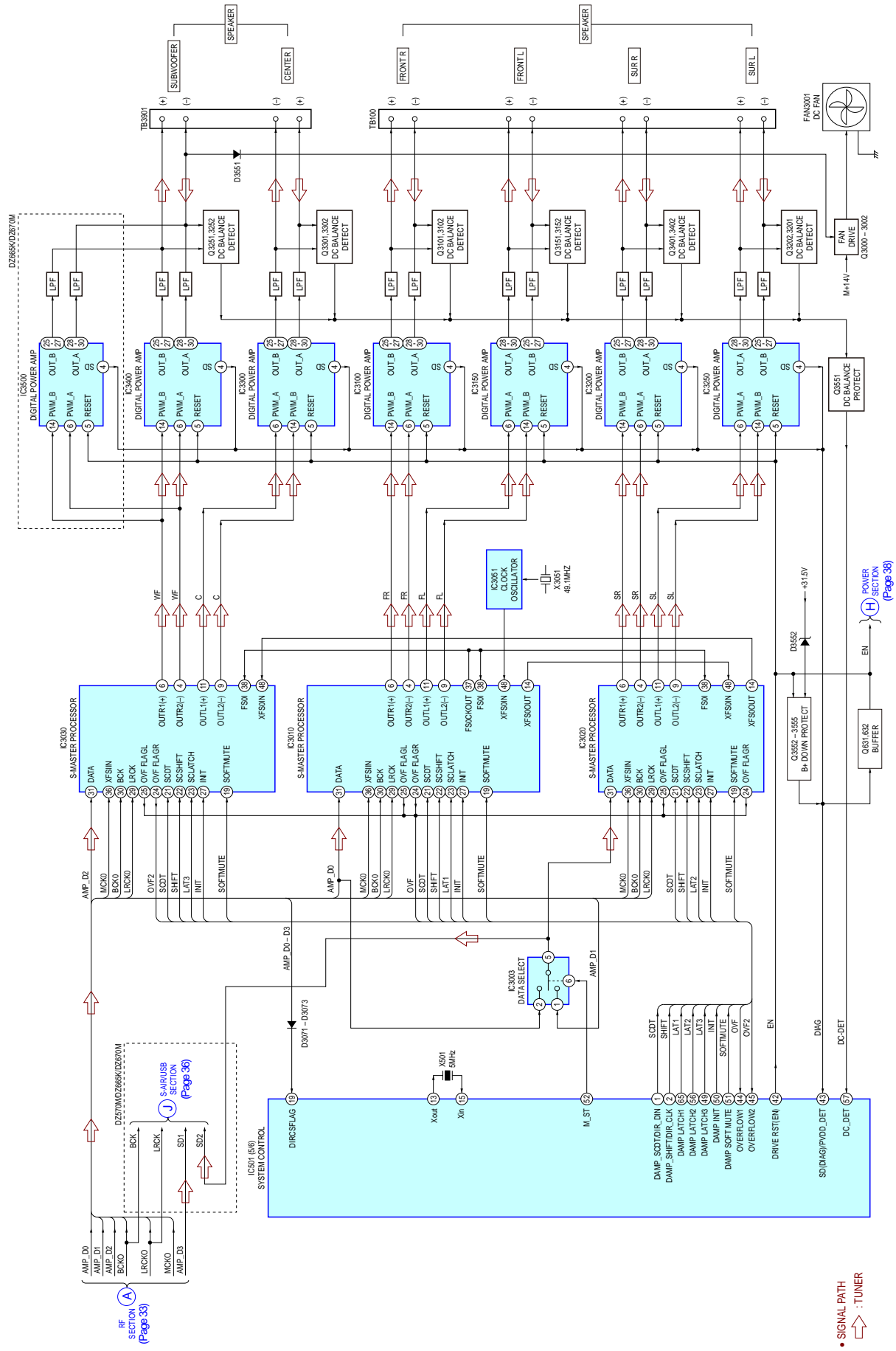
### 6-3. BLOCK DIAGRAM – AUDIO Section –



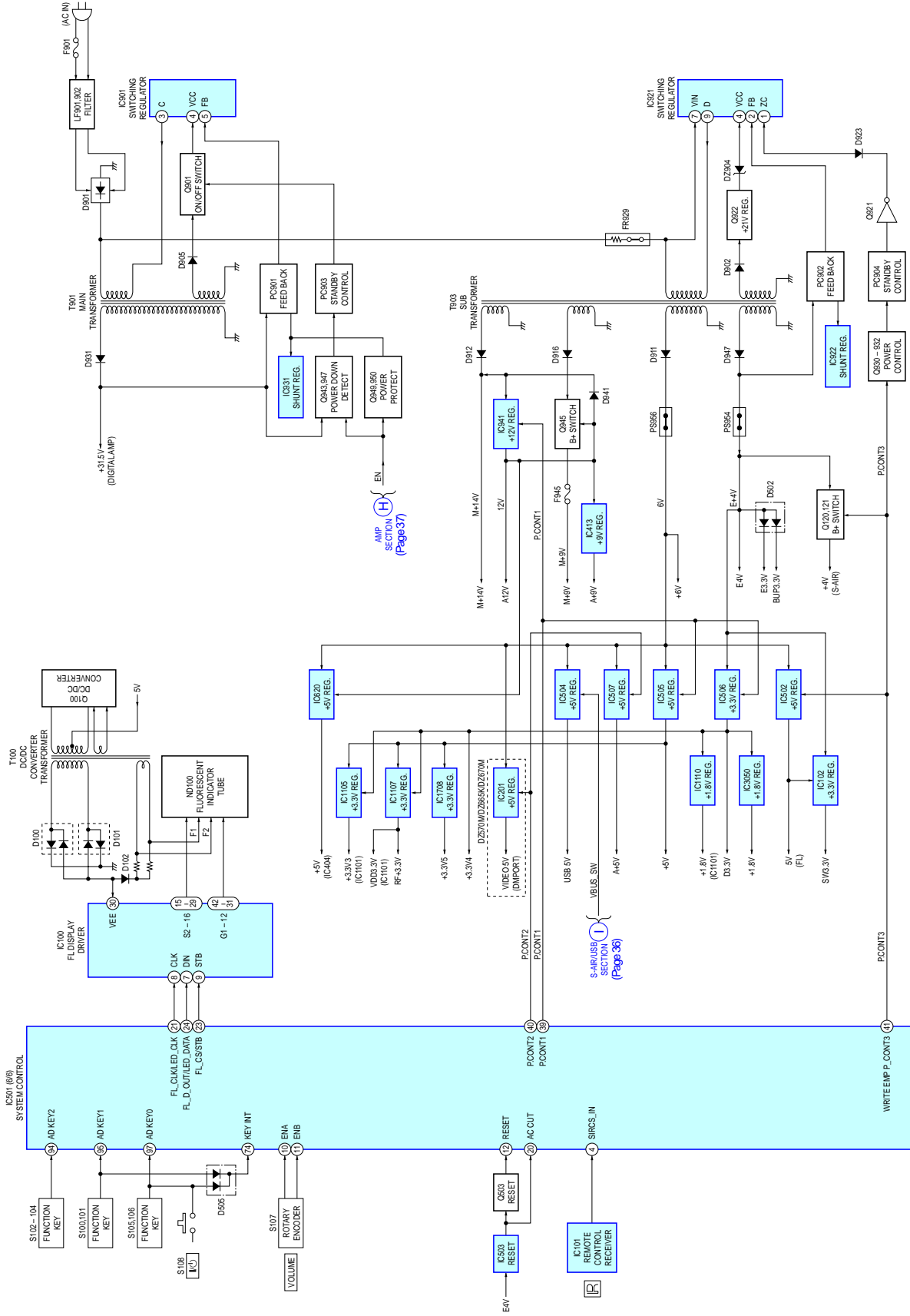
6-4. BLOCK DIAGRAM – S-AIR/USB Section –



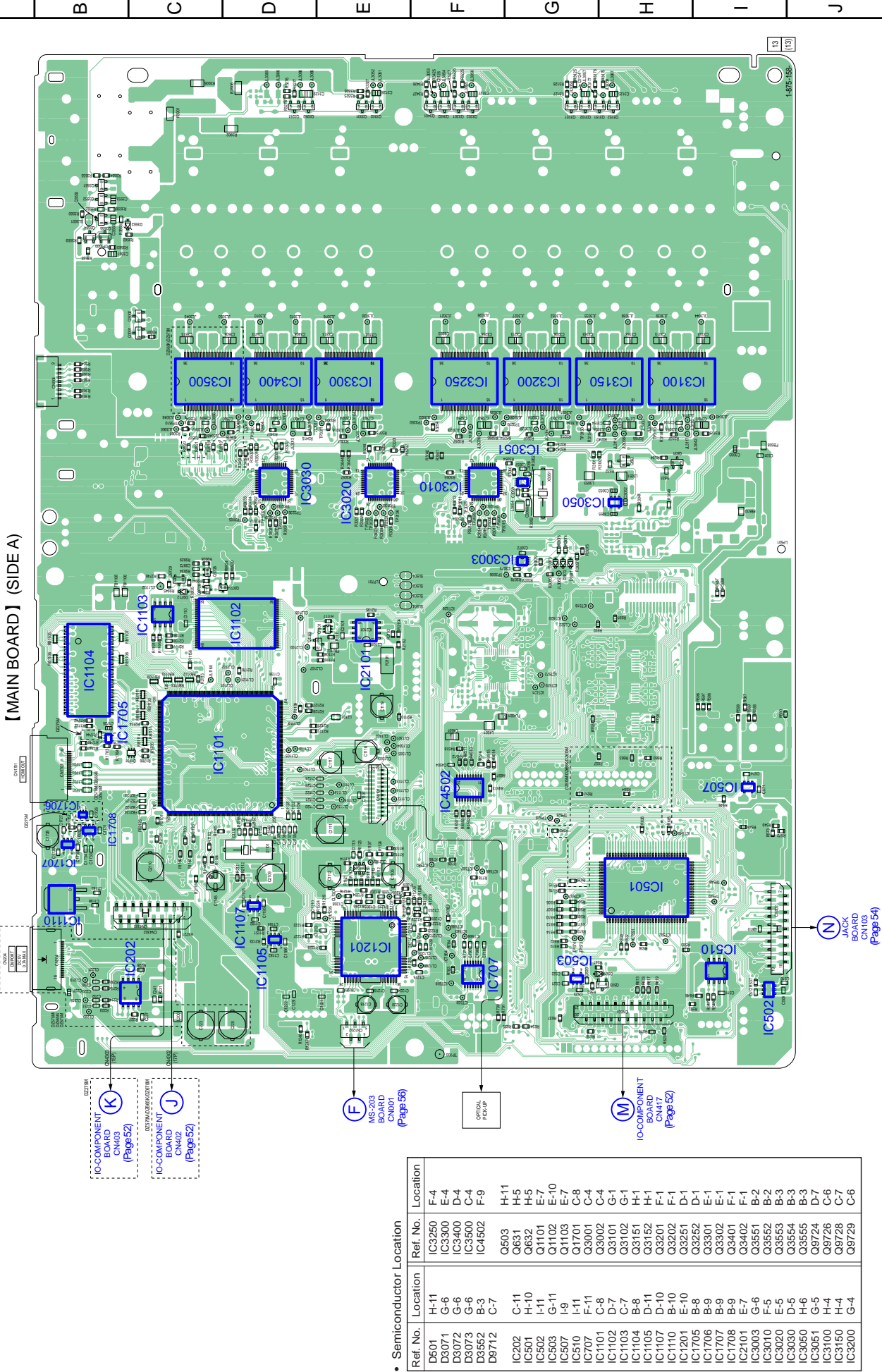
6-5. BLOCK DIAGRAM – AMP Section –



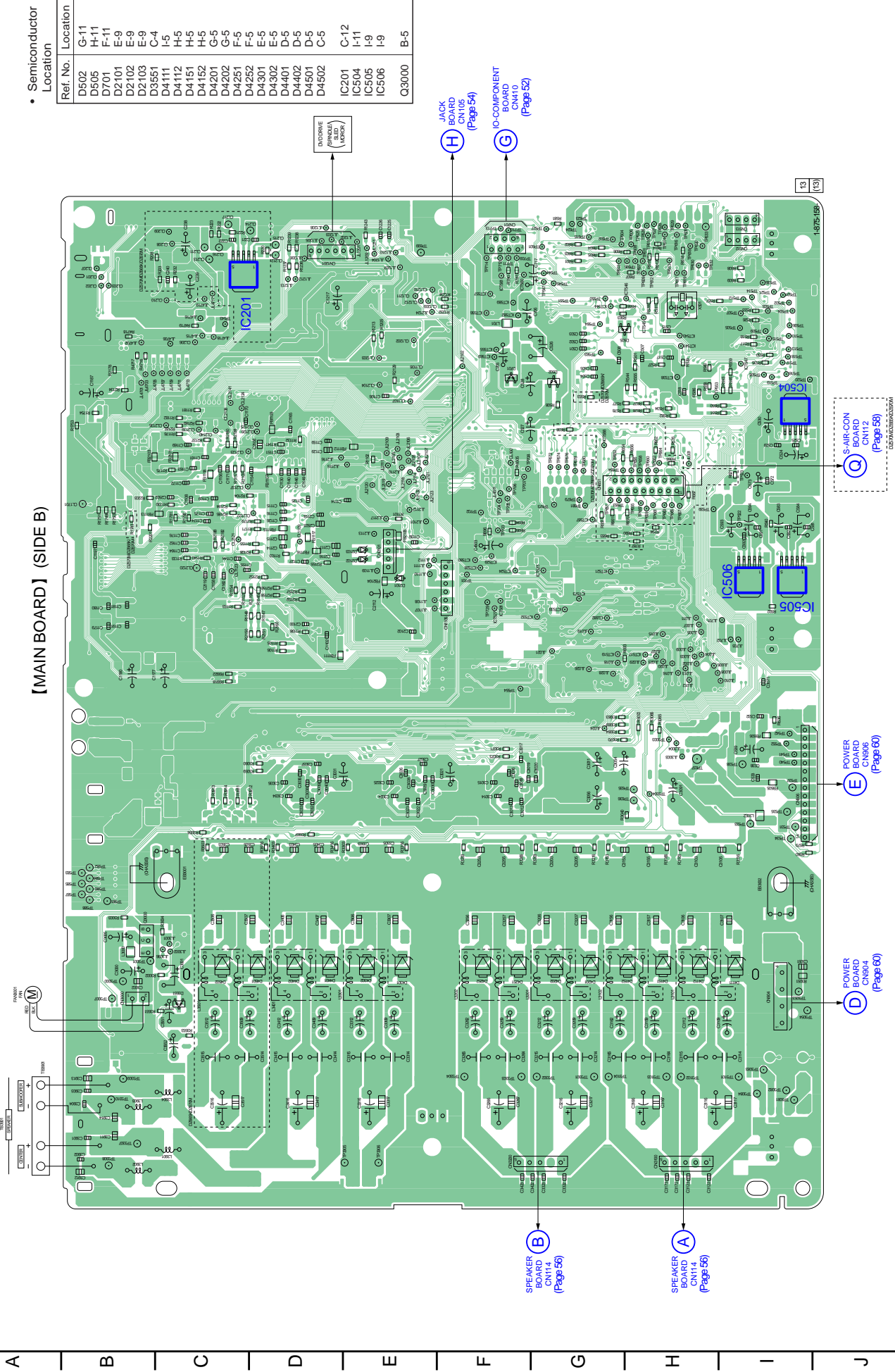
6-6. BLOCK DIAGRAM – POWER Section –



When IC510 and IC1103 on the Main board are damaged, exchange the new Main board for the Main board which IC damaged.

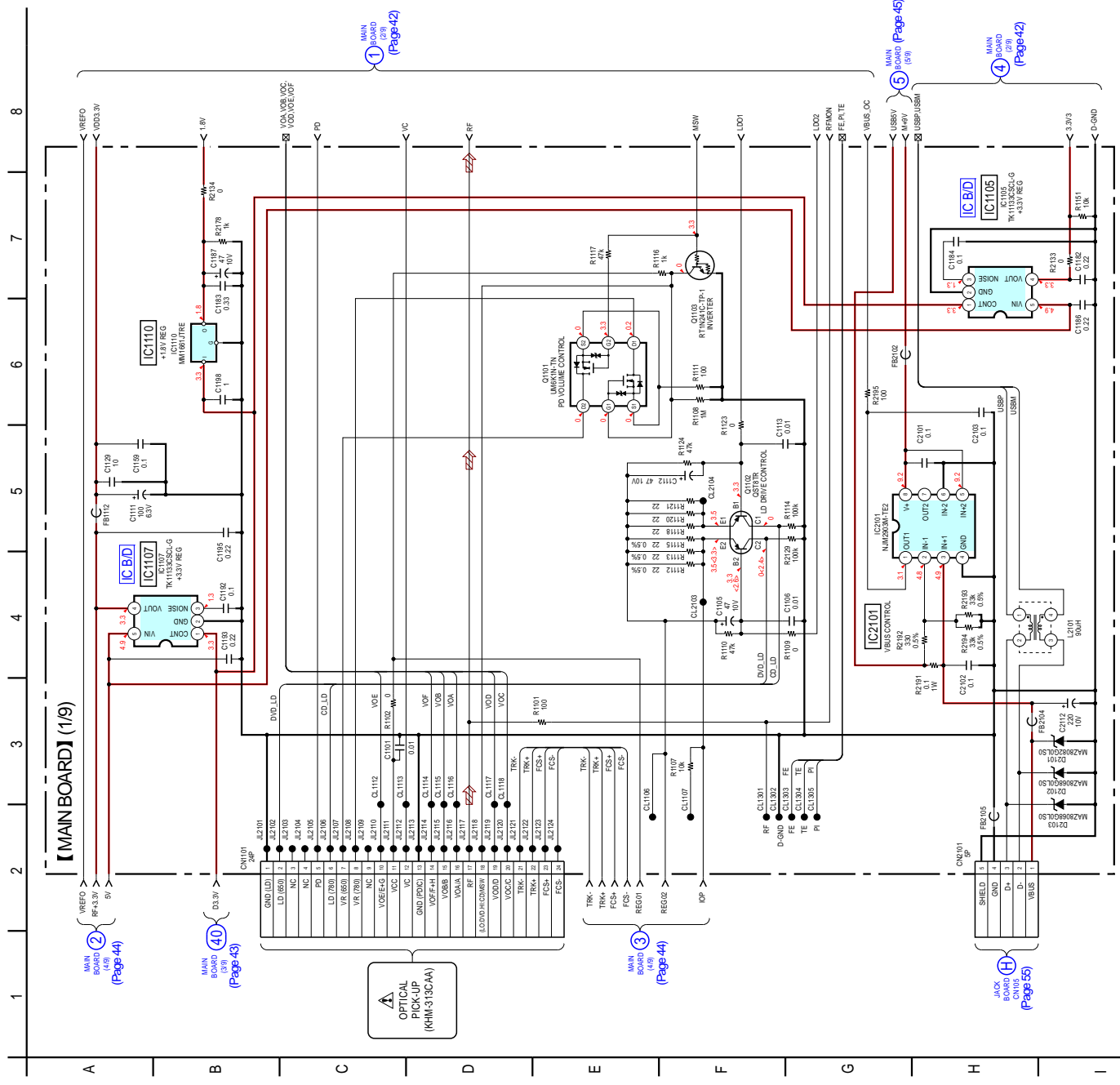


1 2 3 4 5 6 7 8 9 10 11 12 13 14

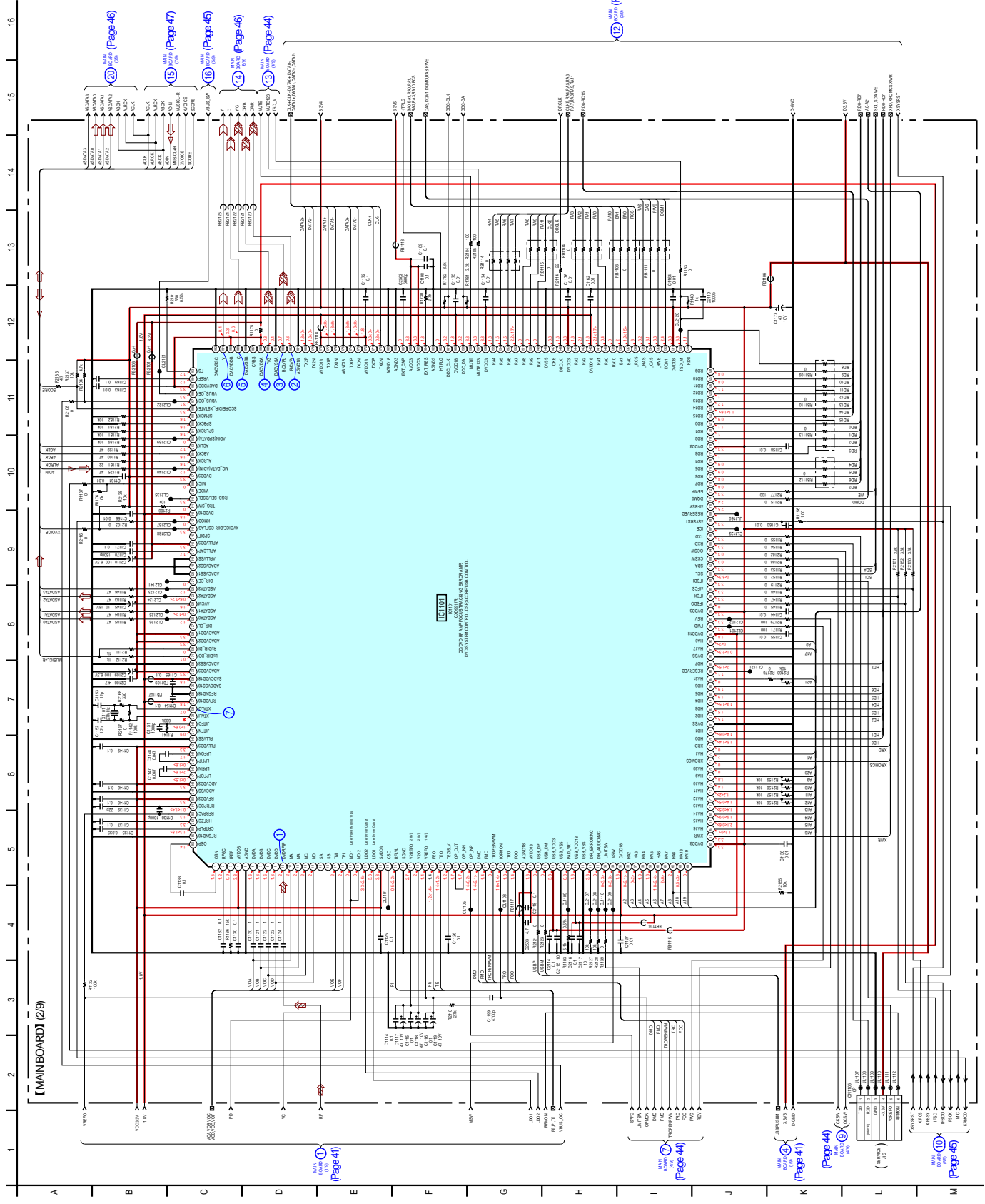




6-9. SCHEMATIC DIAGRAM – MAIN BOARD (1/9) –

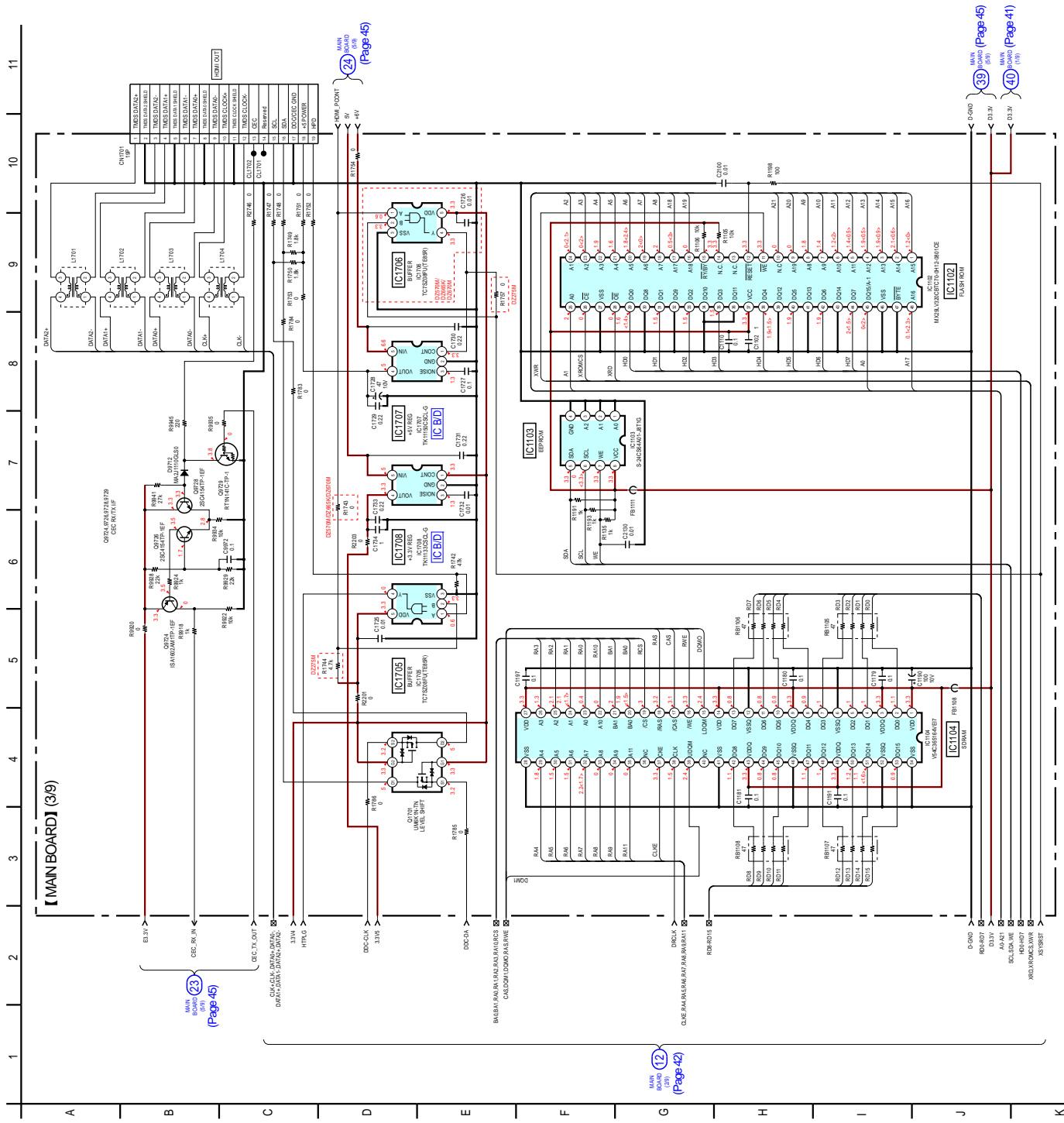


6-10. SCHEMATIC DIAGRAM – MAIN Board (2/9) – • See page 62 for waveforms. • See page 69 for IC Pin Function Description of IC1101.

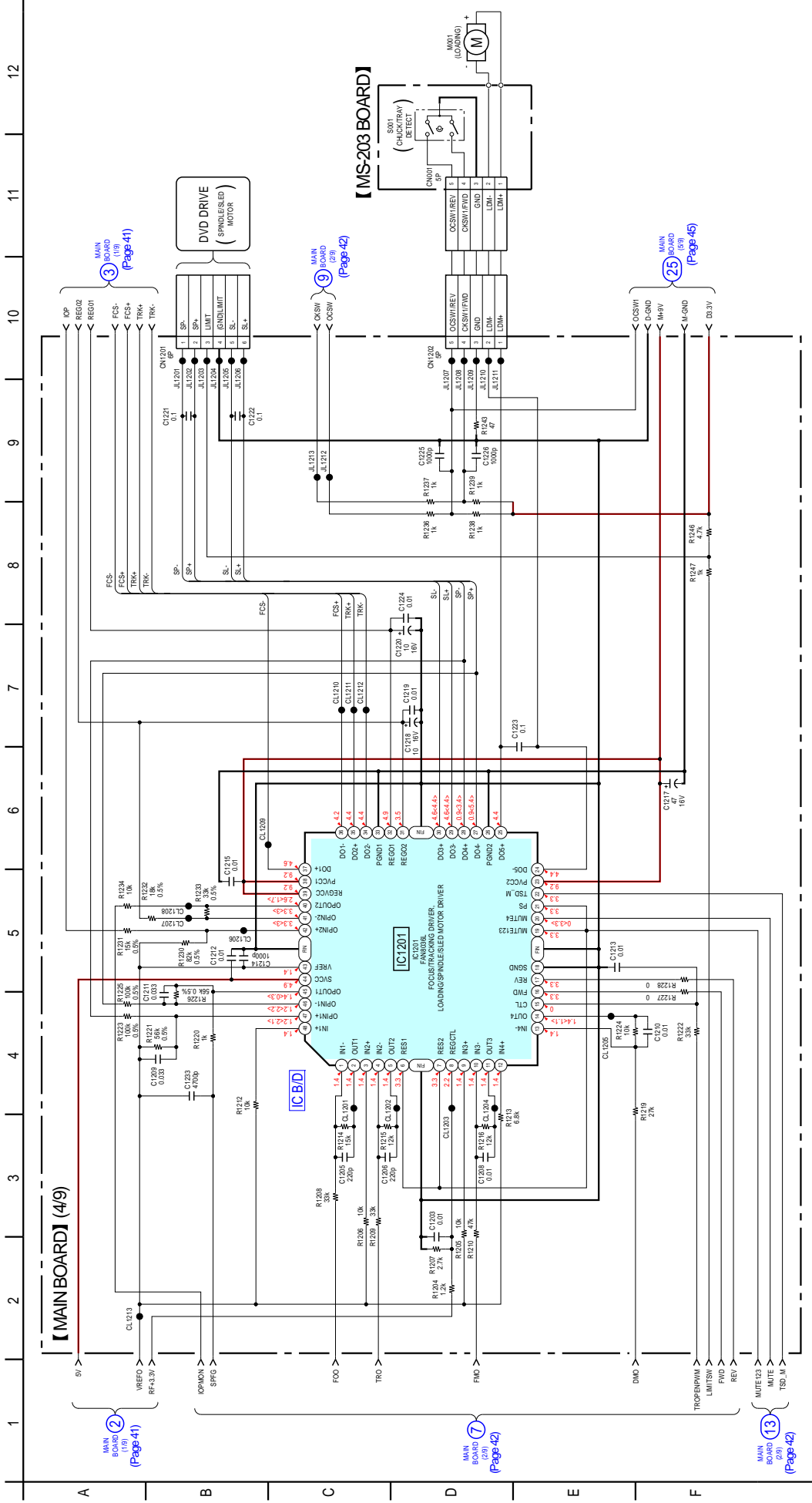


6-11. SCHEMATIC DIAGRAM – MAIN Board (3/9) – • See page 64 for IC Block Diagrams.

When IC1103 on the Main board is damaged, exchange the new Main board for the Main board which IC damaged.

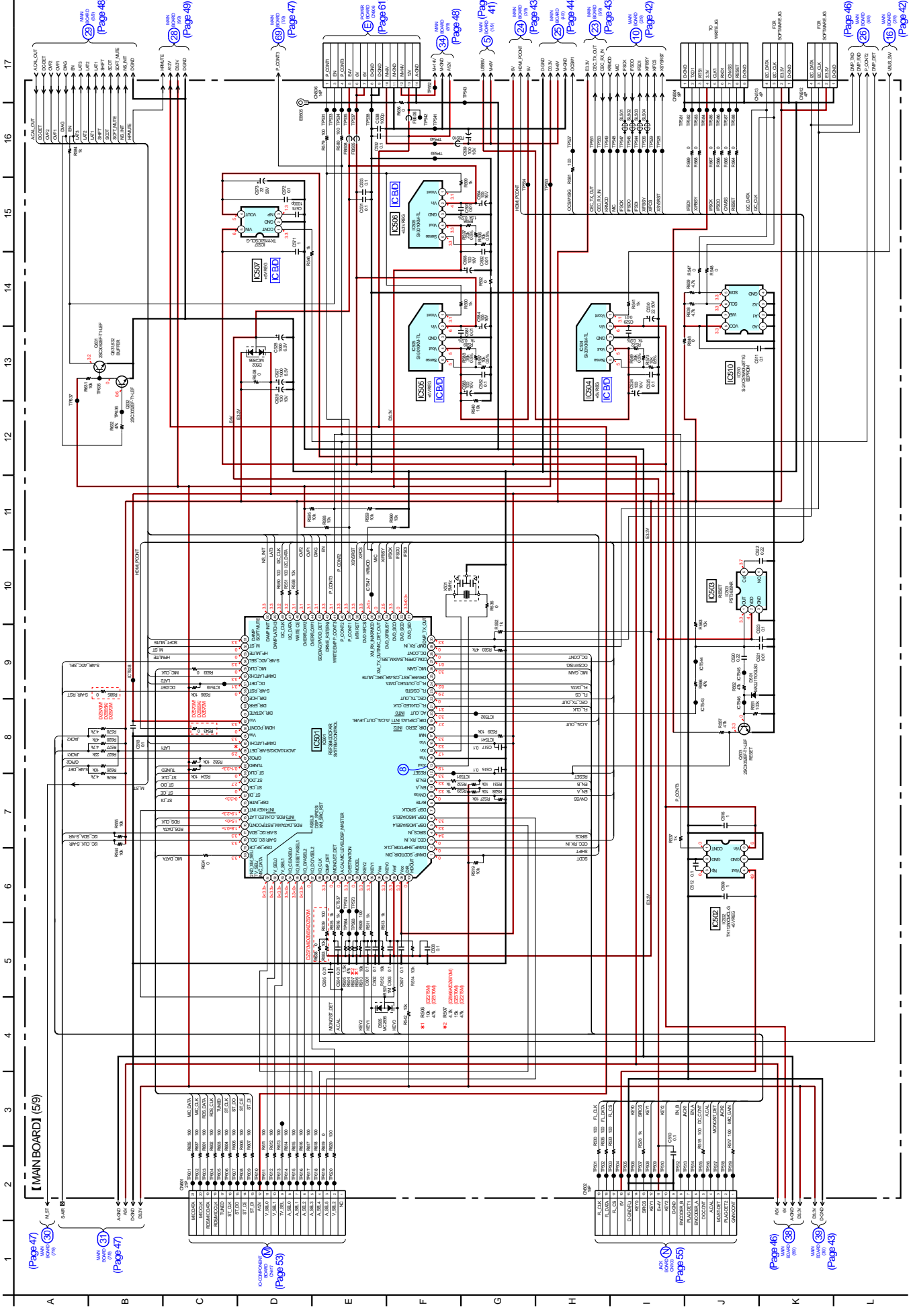


6-12. SCHEMATIC DIAGRAM – MAIN Board (4/9), MS-203 Board – • See page 63 for IC Block Diagram.

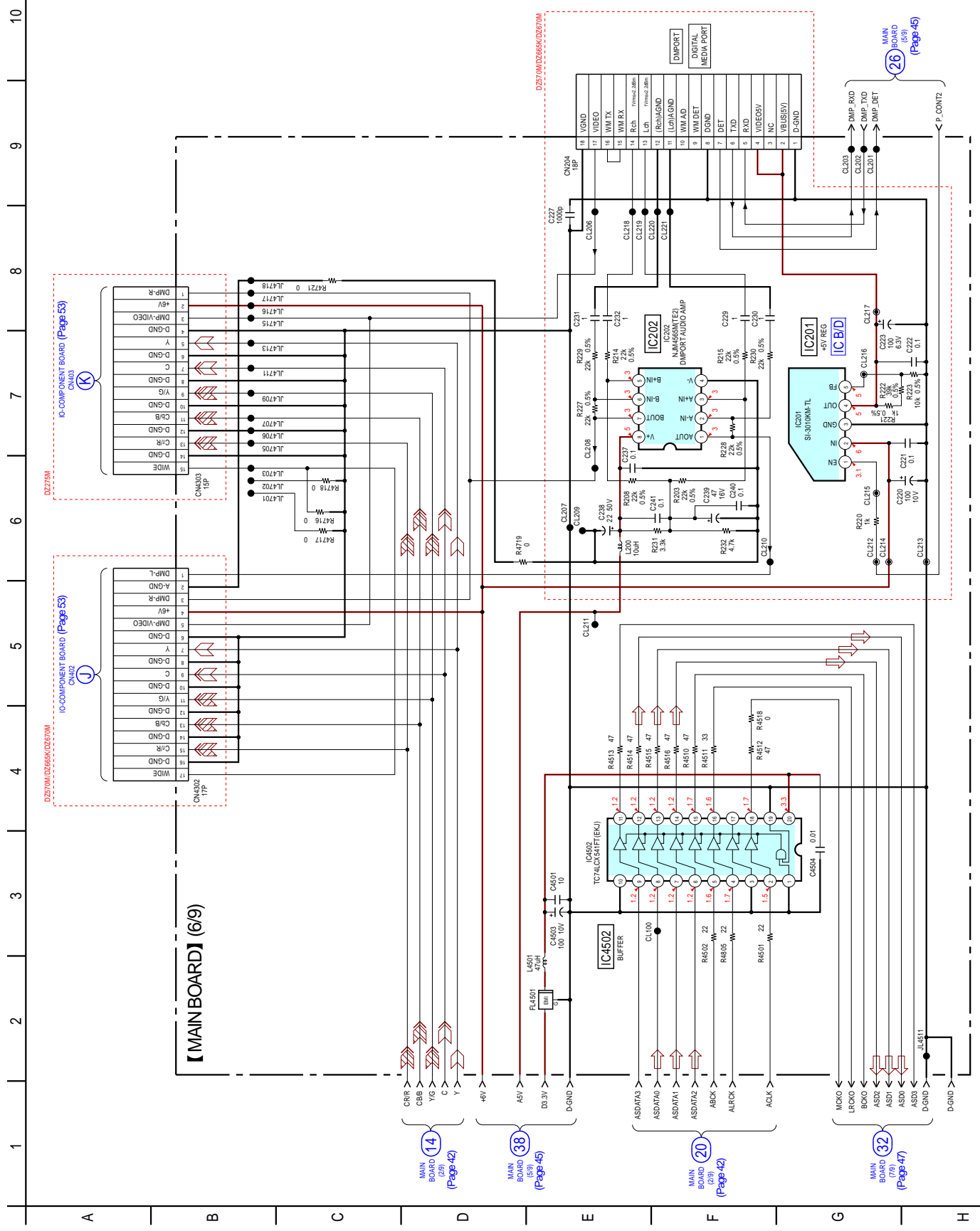


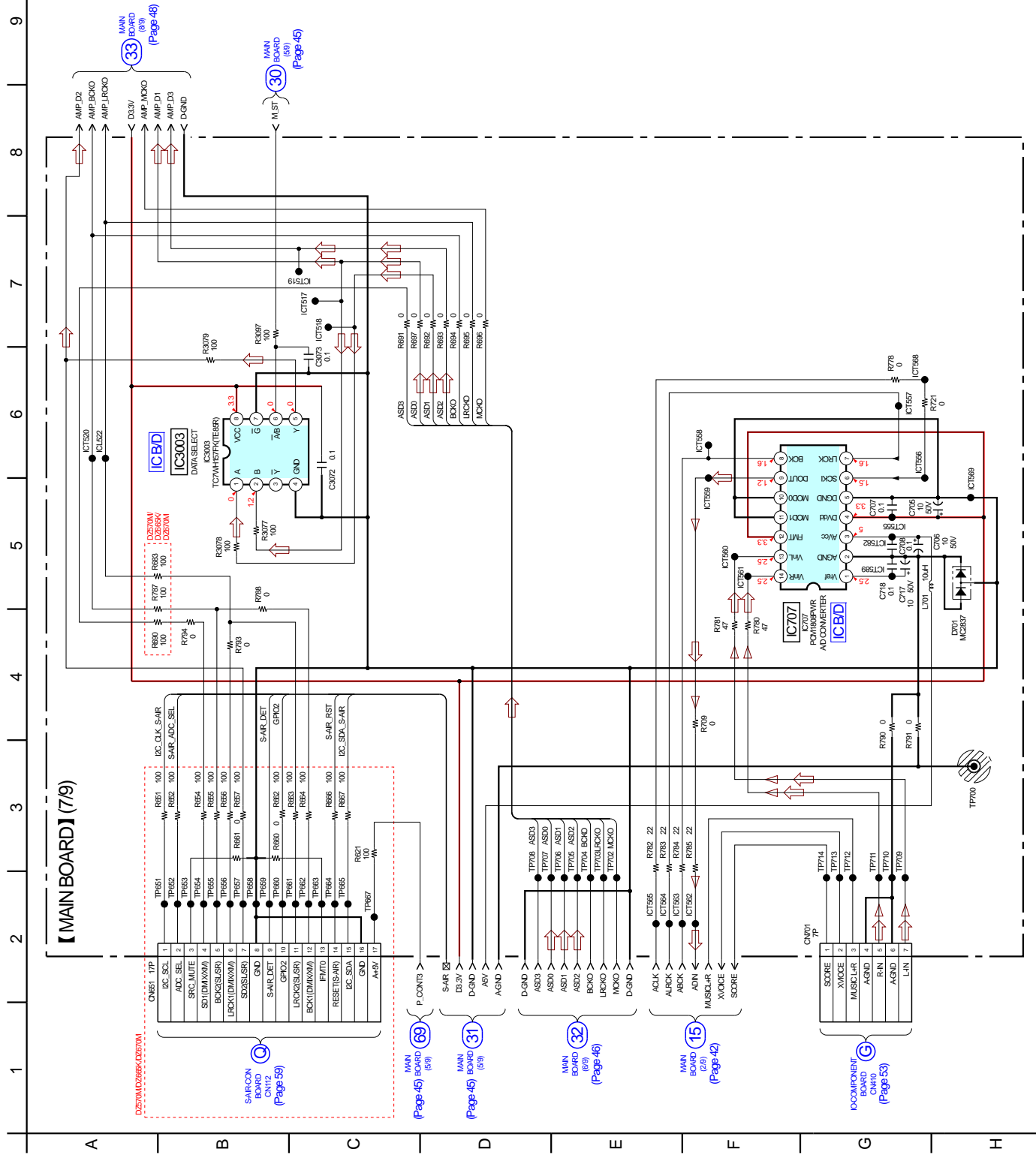
When IC510 on the Main board are damaged, exchange the new Main board for the Main board which IC damaged.

6-13. SCHEMATIC DIAGRAM – MAIN BOARD (5/9) – • See page 62 for waveform. • See page 64, 68 for IC Block Diagrams. • See page 73 for IC Pin Function Description of IC501.

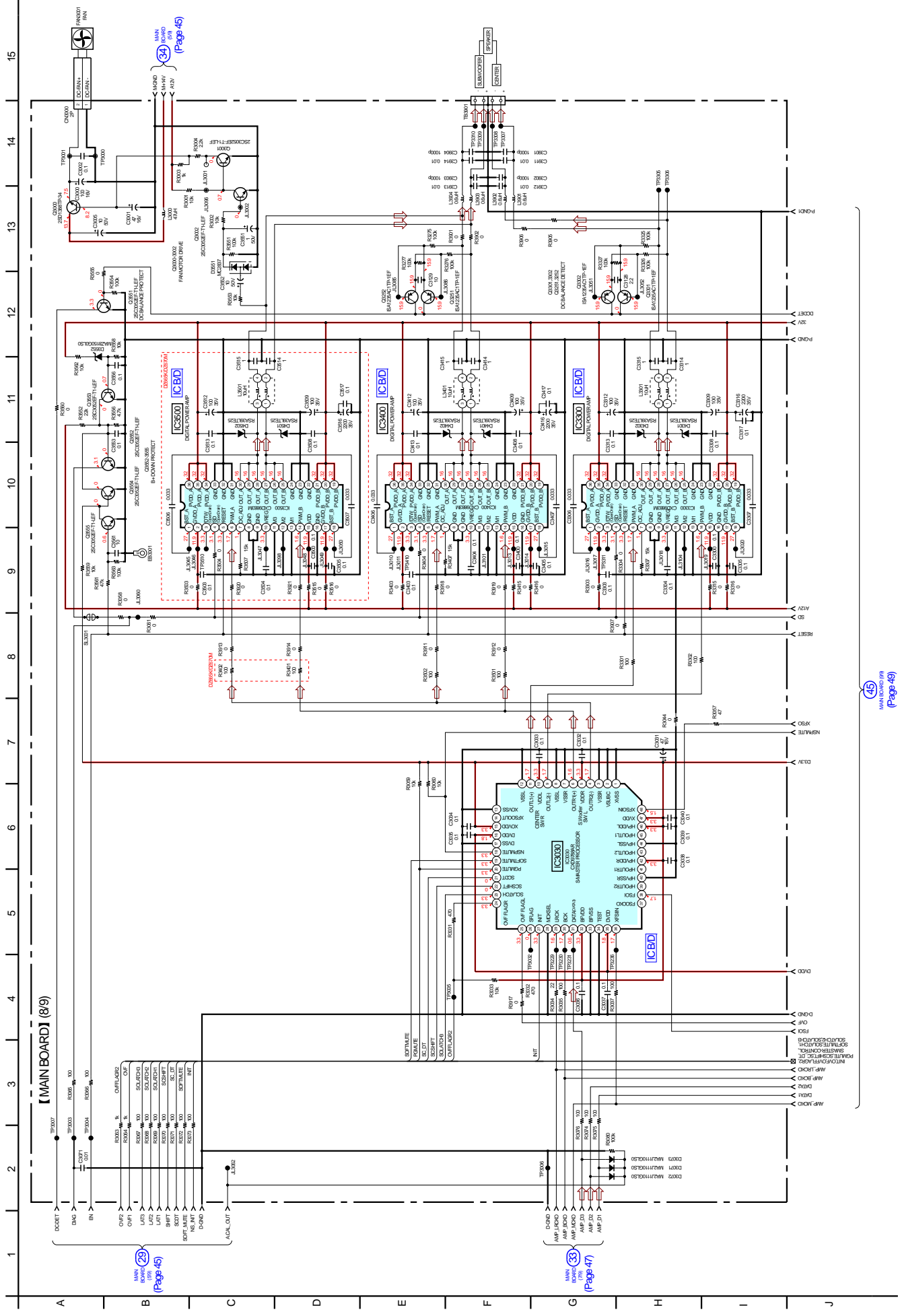


6-14. SCHEMATIC DIAGRAM – MAIN Board (6/9) – • See page 68 for IC Block Diagram.

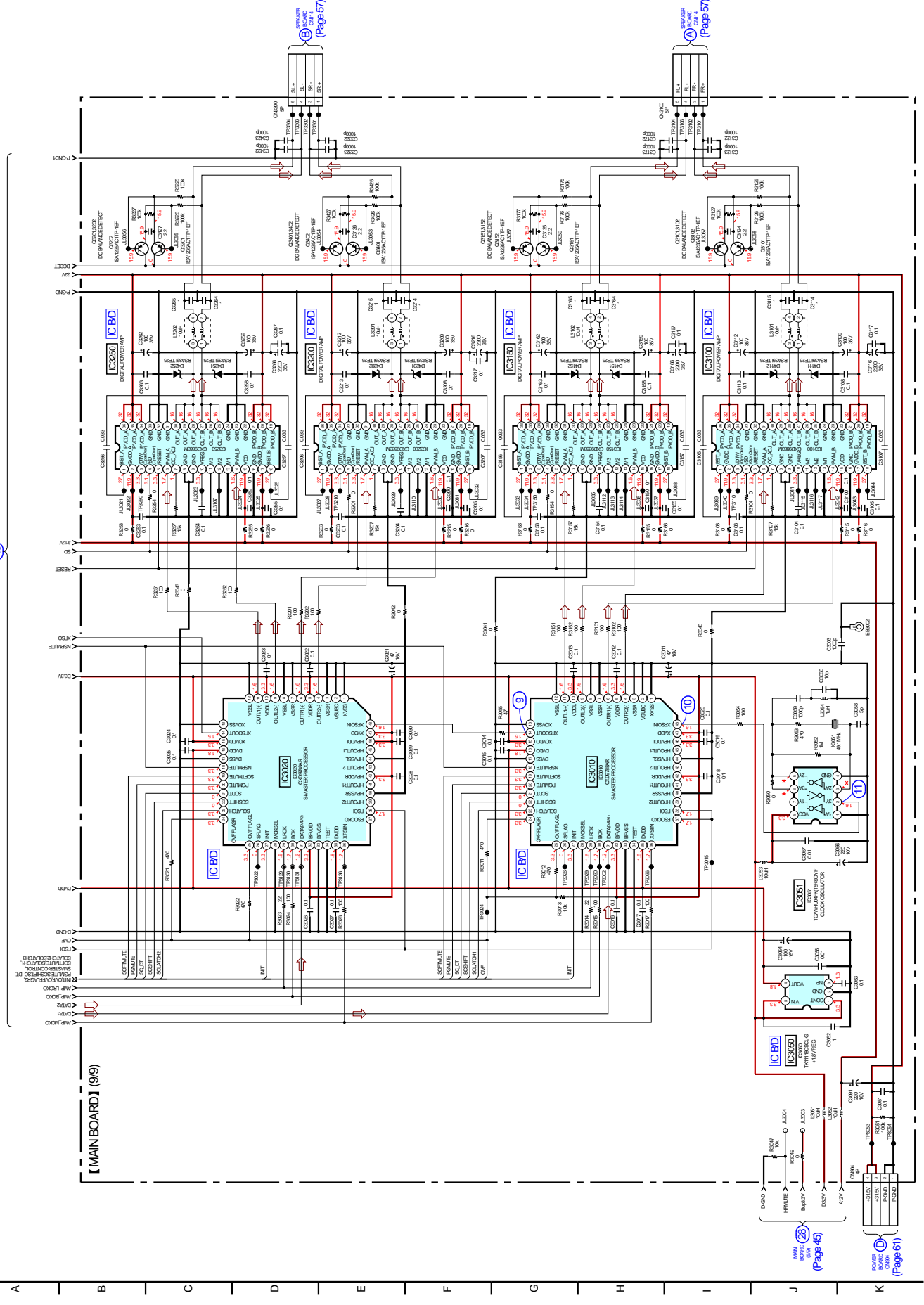





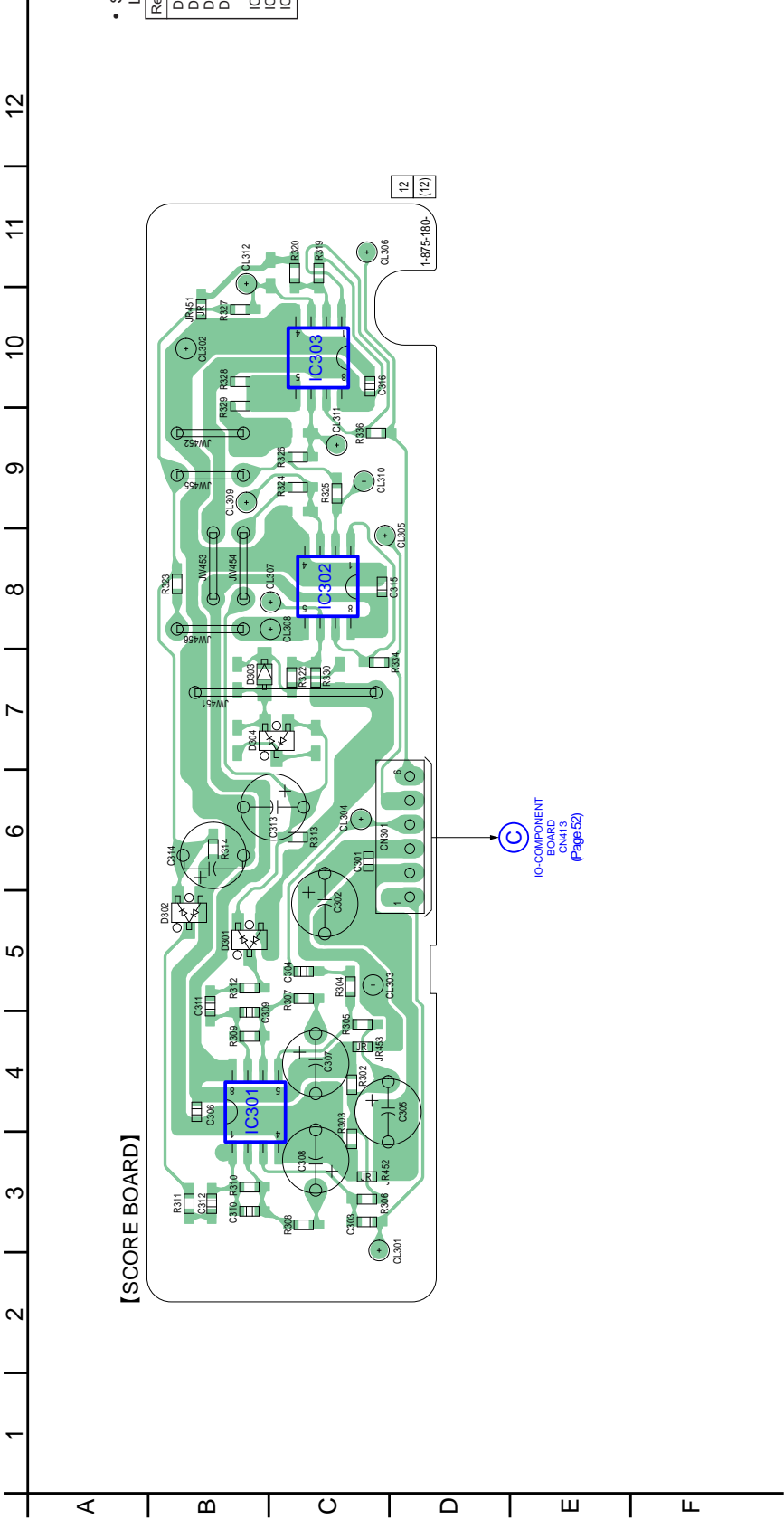
6-16. SCHEMATIC DIAGRAM – MAIN Board (8/9) – • See page 64, 66 for IC Block Diagrams.



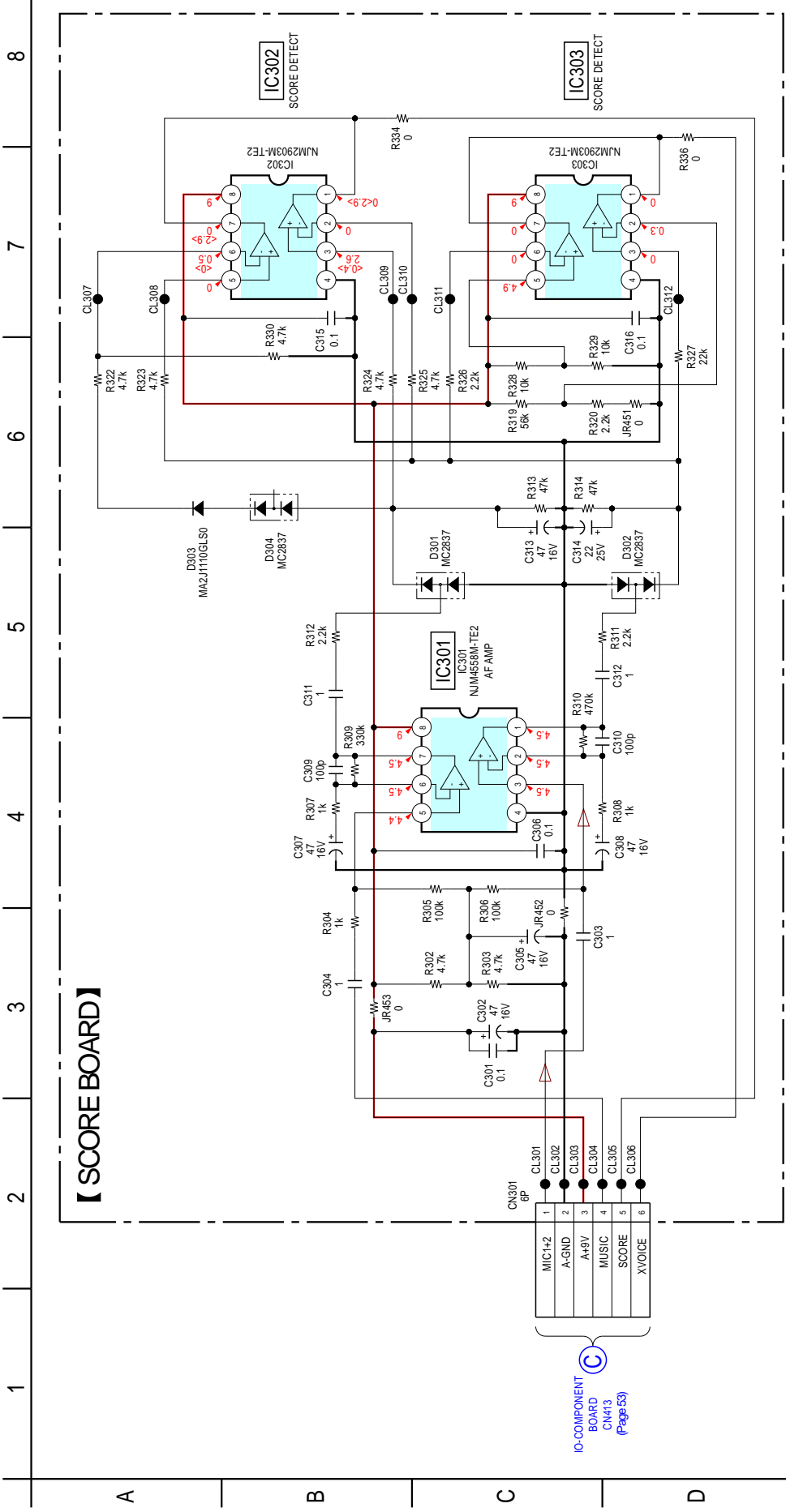


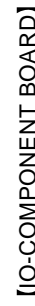


6-18. PRINTED WIRING BOARD – SCORE BOARD – • See page 32 for Circuit Boards Location. •  : Uses unleaded solder.



6-19. SCHEMATIC DIAGRAM – SCORE Board –





Semiconductor	Location	
	Ref. No.	Location
• Semiconductor	D405	C-10
	D406	B-6
	D407	H-3
	D408	G-8
	D409	G-7
	D410	H-6
	D411	F-7
	D412	H-12
	IC404	D-5
	IC407	E-11
	IC409	E-10
	IC411	E-9
	IC412	H-6
	IC413	H-3
	IC414	H-7
	IC620	E-2
• Semiconductor	Q408	D-6
	Q409	D-7
	Q410	D-7
	Q411	D-7
	Q412	D-7
	Q413	D-8
	Q414	G-6
	Q415	G-7

MAIN  
BOARD  
CN601  
(Page 39)

MAIN  
BOARD  
CN701  
(Page 40)

**L**  
JACK  
BOARD  
CN107  
(Page 54)

ANTENNA

75Ω

FM

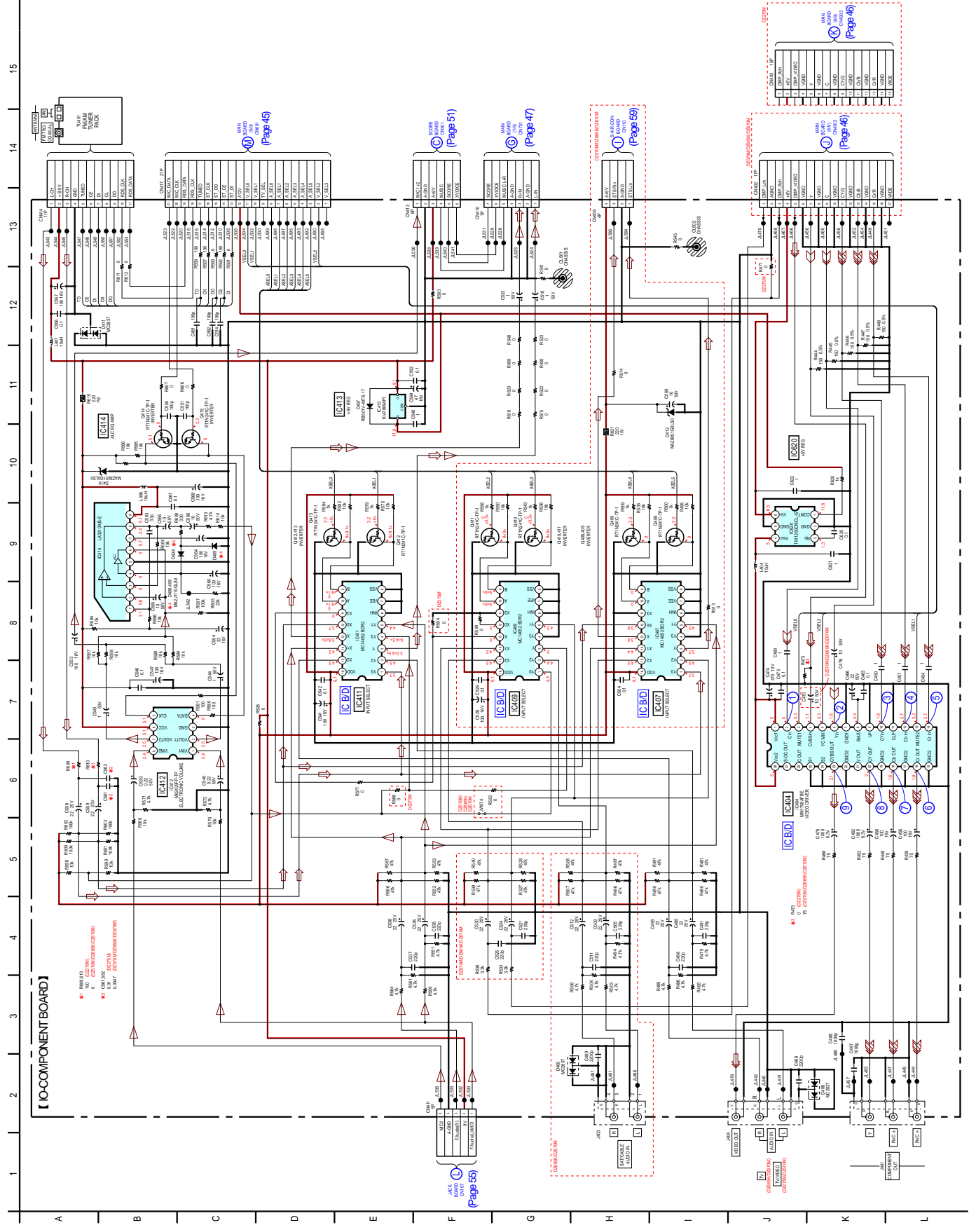
AM

TU401  
FM/AM  
TUNER

 S-AIR-CON  
BOARD  
CN110  
(Page 58)

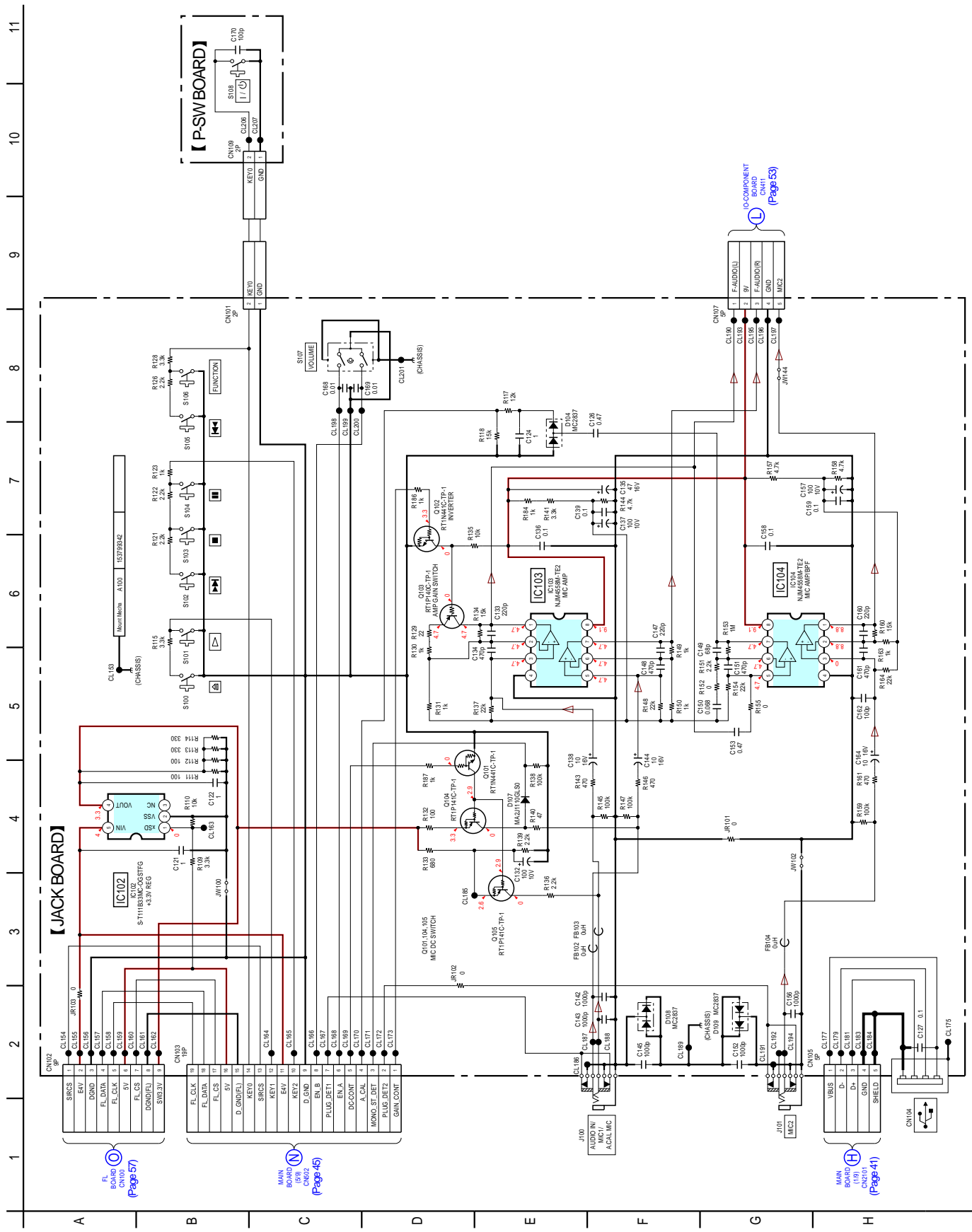
©  
SCORE  
BOARD  
CN301  
(Page 50)

6-21. SCHEMATIC DIAGRAM – IO-COMPONENT BOARD – • See page 62 for waveforms. • See page 67 for IC Block Diagrams.

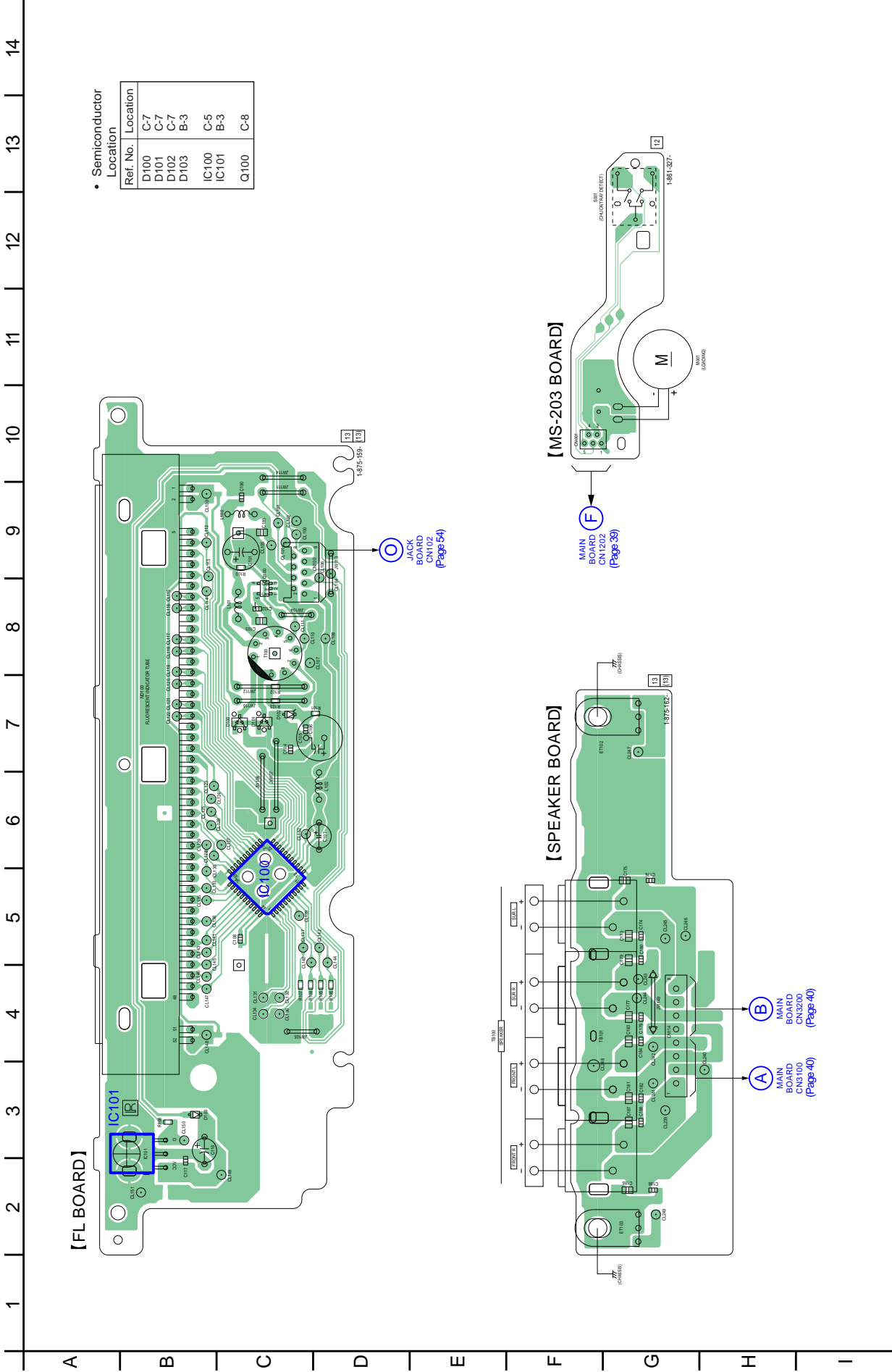


HCD-DZ275M/DZ570M/DZ665K/DZ670M

6-23. SCHEMATIC DIAGRAM – JACK, P-SW Board –

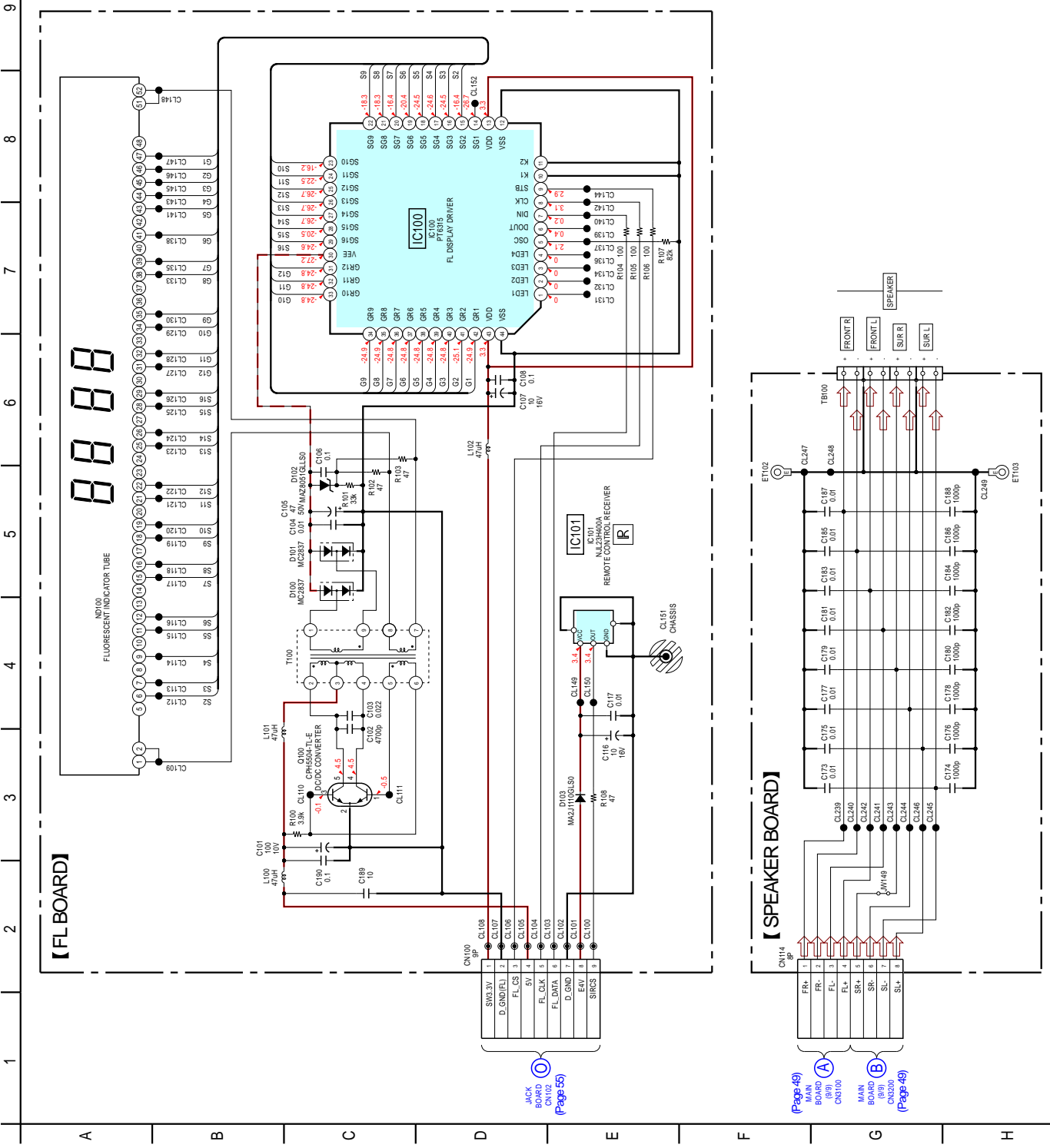


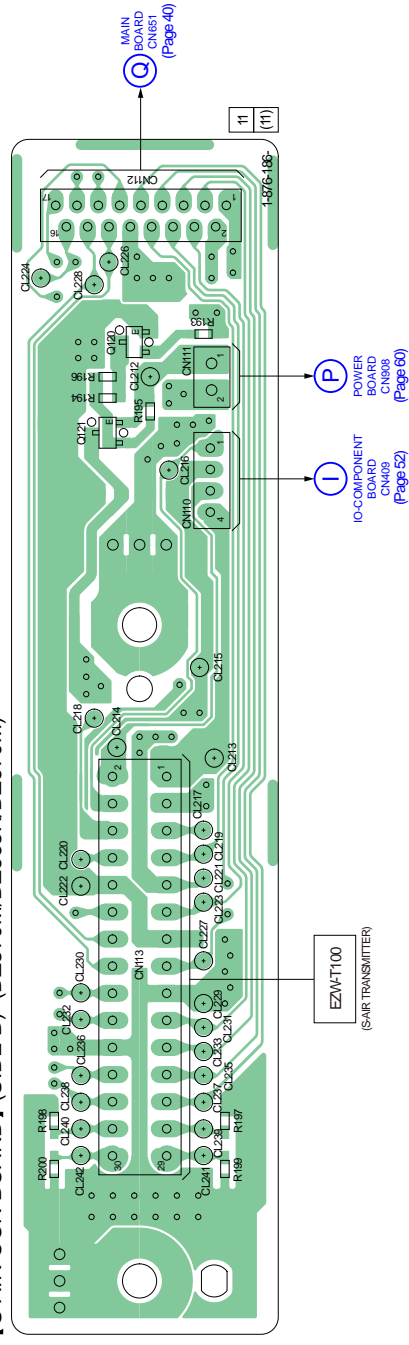
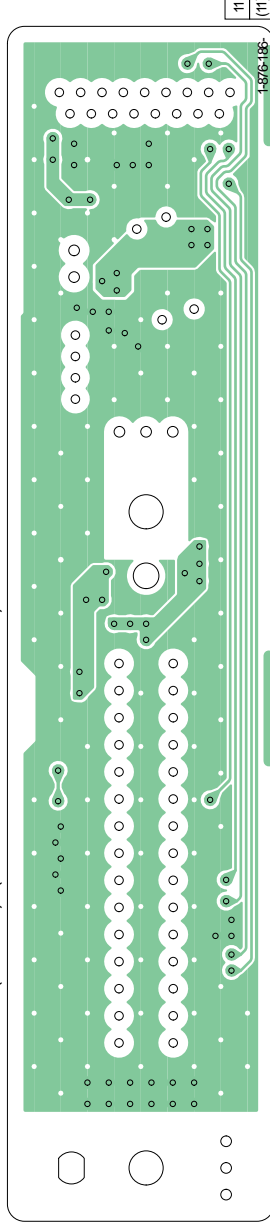
6-24. PRINTED WIRING BOARDS –FL, MS-203, SPEAKER Board – • See page 32 for Circuit Boards Location. • **LF** : Uses unleaded solder.



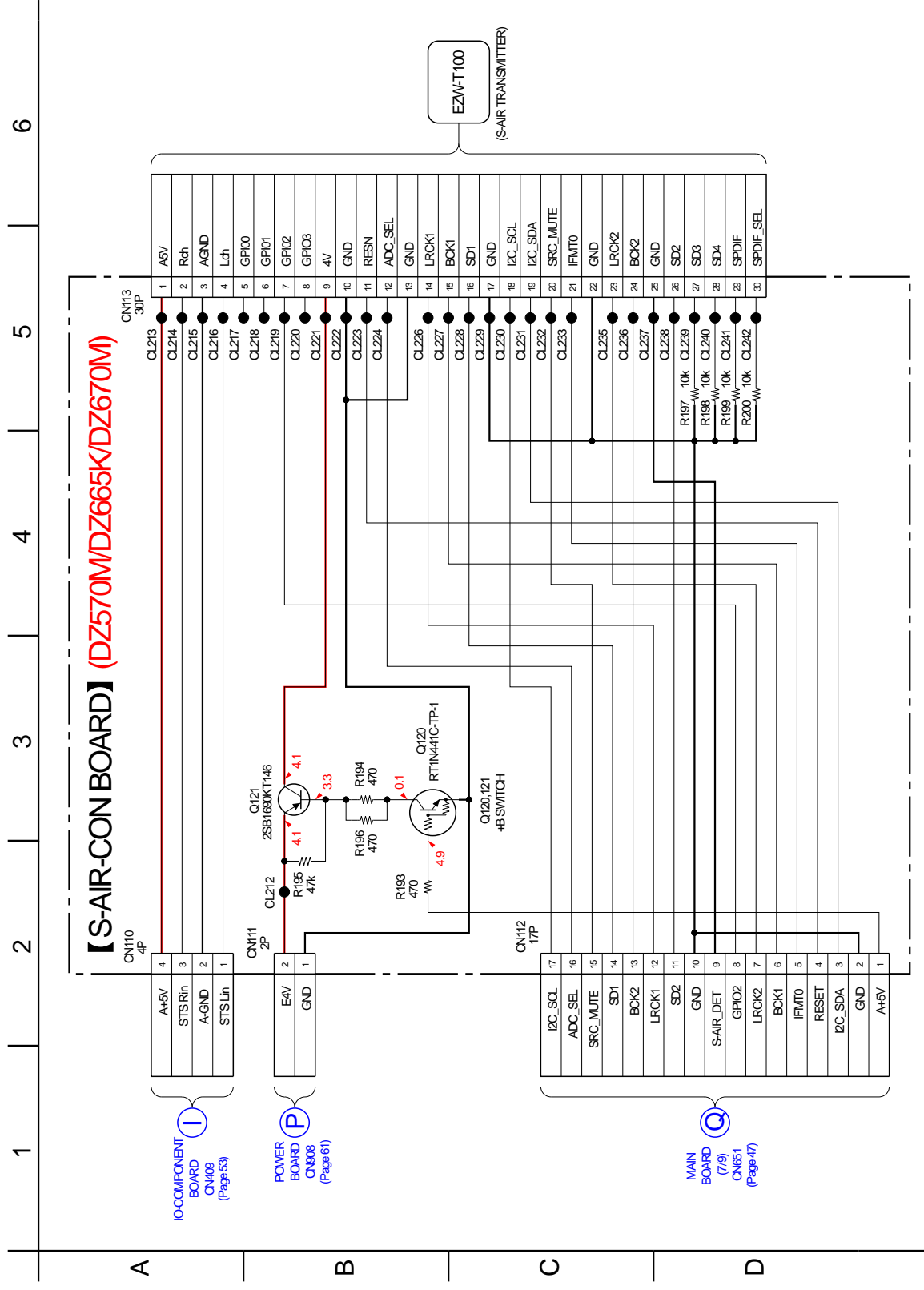


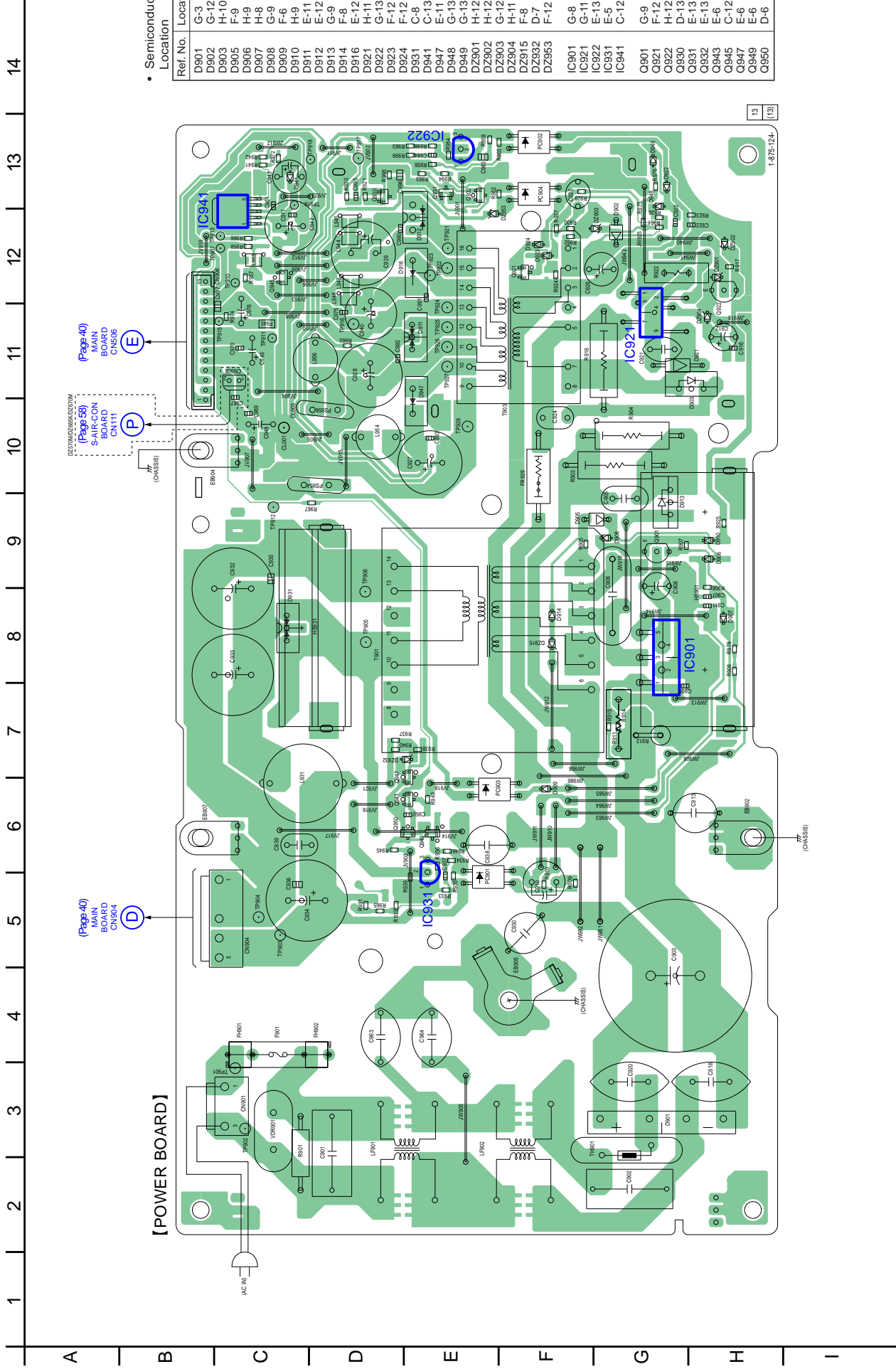
6-25. SCHEMATIC DIAGRAM – FL, SPEAKER Board –



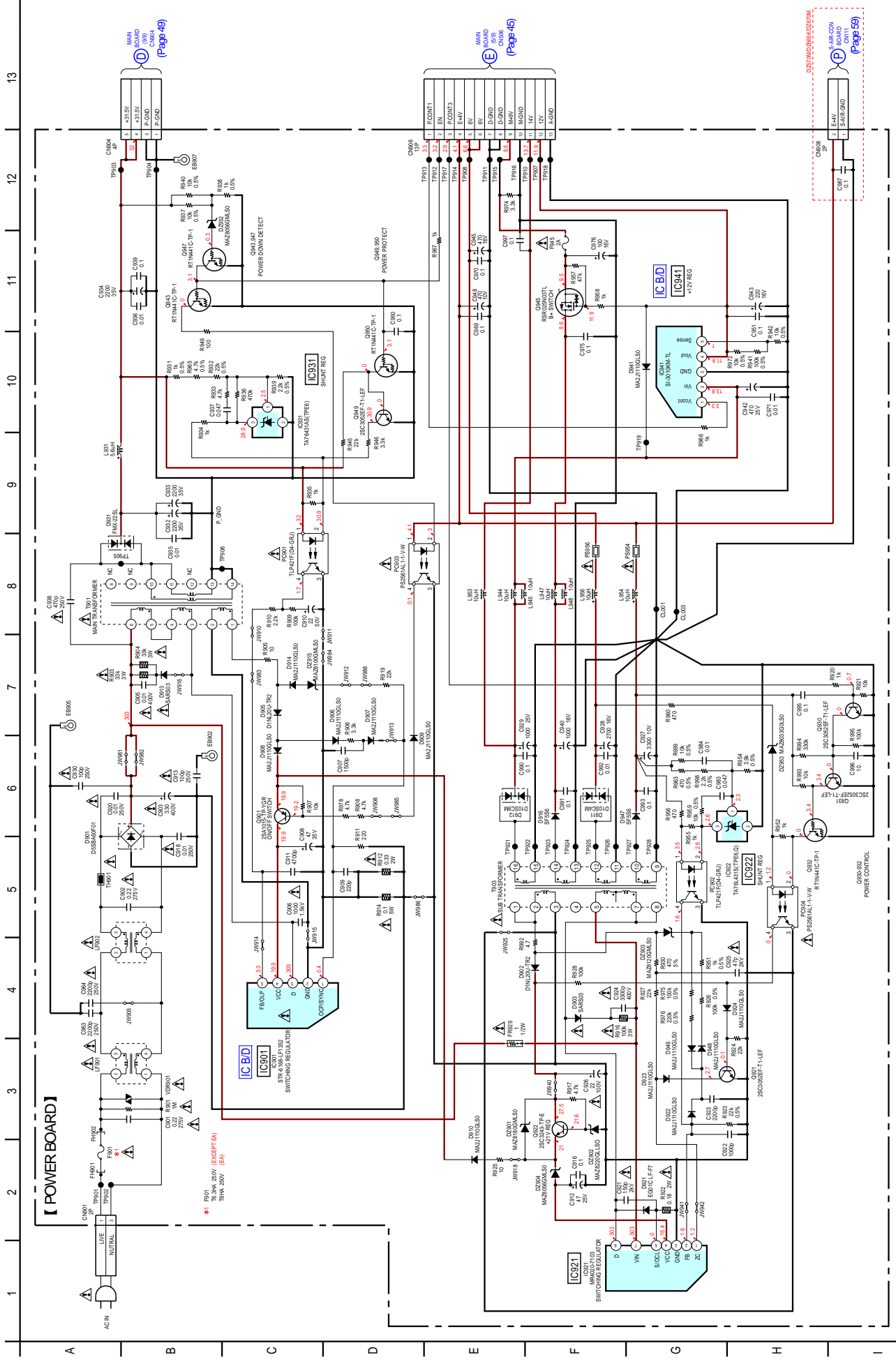


6-27. SCHEMATIC DIAGRAM – S-AIR-CON Board (DZ570M/DZ665K/DZ670M) –



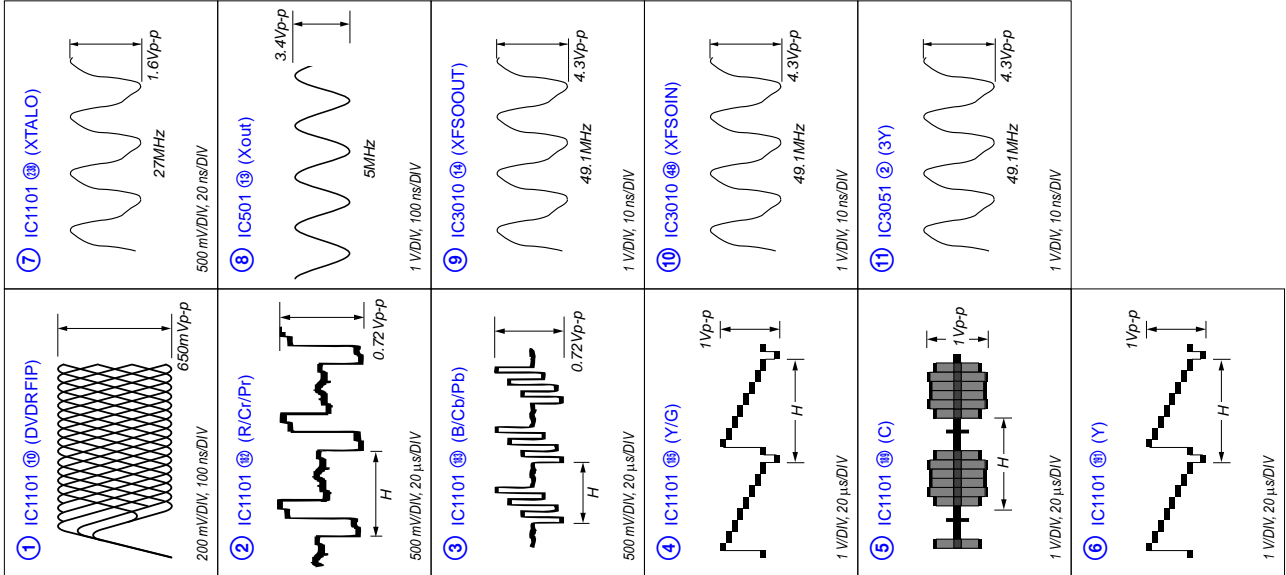


6-29. SCHEMATIC DIAGRAM – POWER BOARD – • See page 68 for IC Block Diagrams.

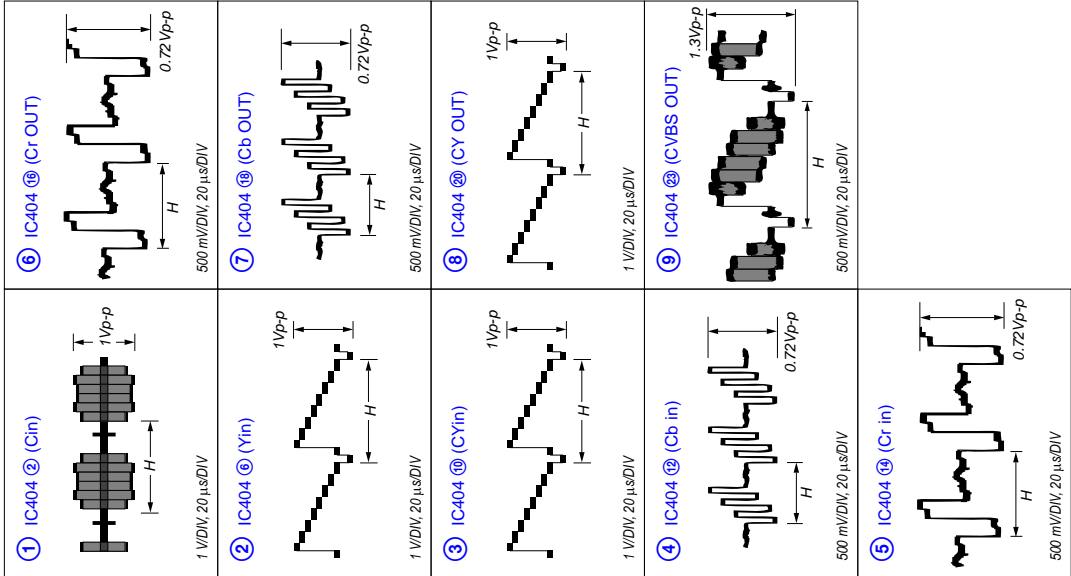


• Waveforms

– MAIN Board –

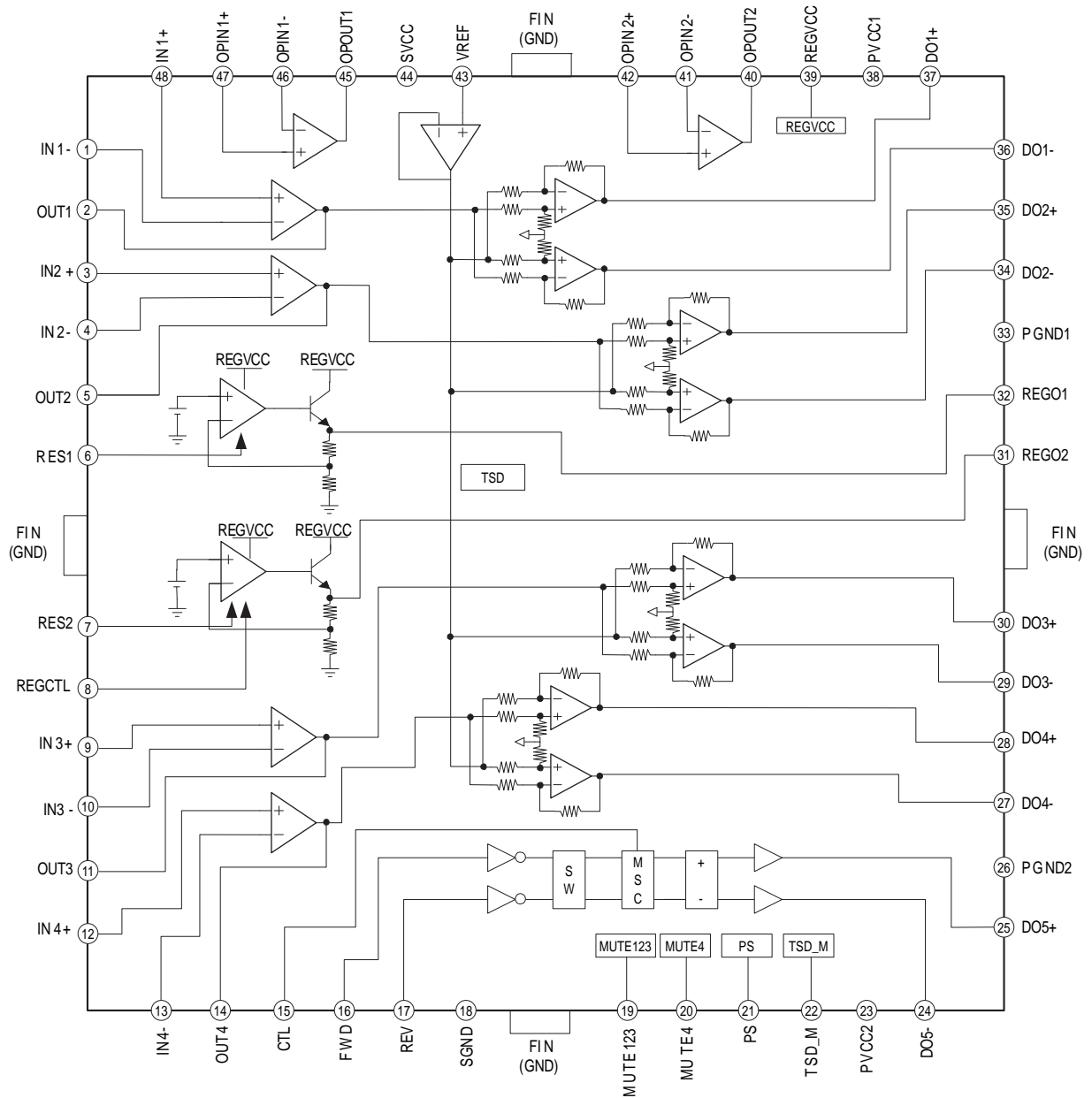


– IO-COMPONENT Board –

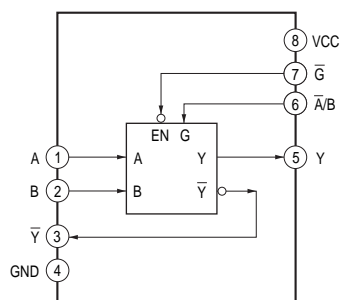


- IC Block Diagrams

IC1201 FAN8036L (MAIN Board (4/9))



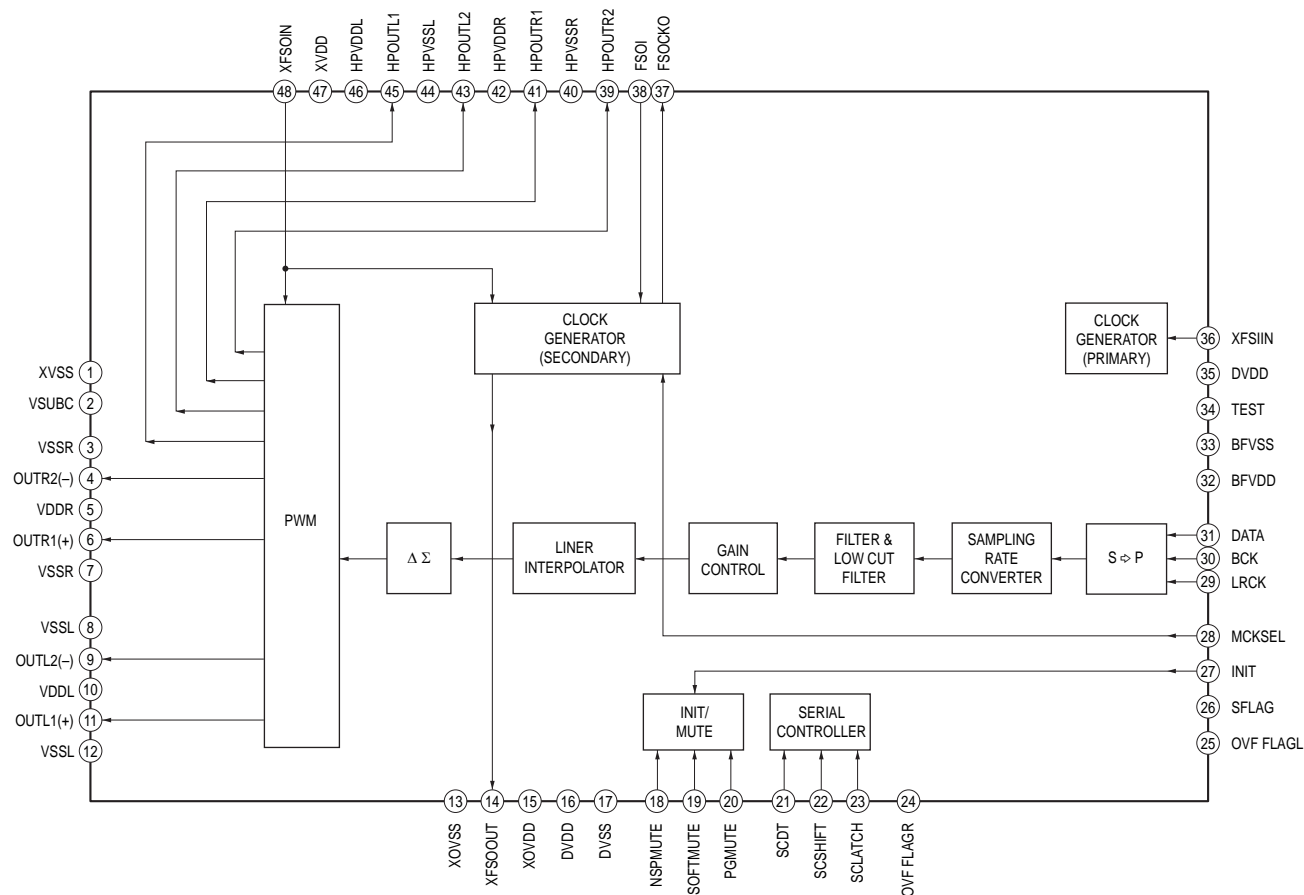
IC3003 TC7WH157FK(TE85R) (MAIN Board (7/9))



IC3010 CDX9788AR (MAIN Board (9/9))

IC3020 CDX9788AR (MAIN Board (9/9))

IC3030 CDX9788AR (MAIN Board (8/9))



IC507 TK11150CSCL-G (MAIN Board (5/9))

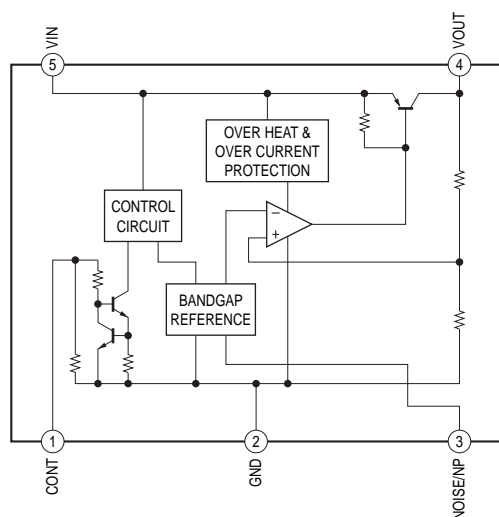
IC1105 TK11133CSCL-G (MAIN Board (1/9))

IC1107 TK11133CSCL-G (MAIN Board (1/9))

IC1707 TK11150CSCL-G (MAIN Board (3/9))

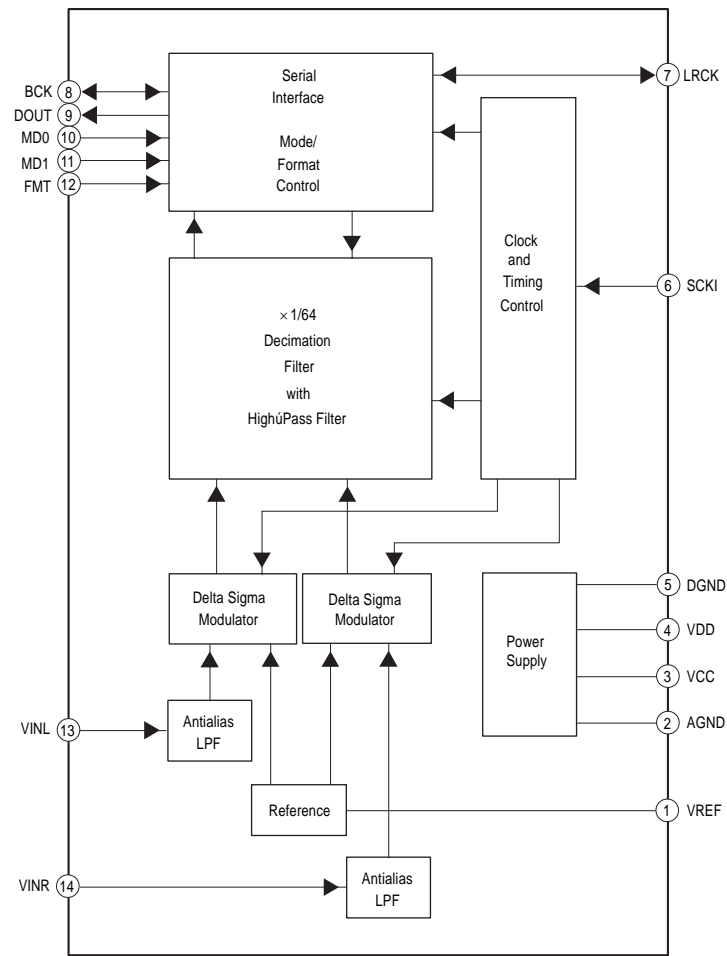
IC1708 TK11133CSCL-G (MAIN Board (3/9))

IC3050 TK11118CSCL-G (MAIN Board (9/9))

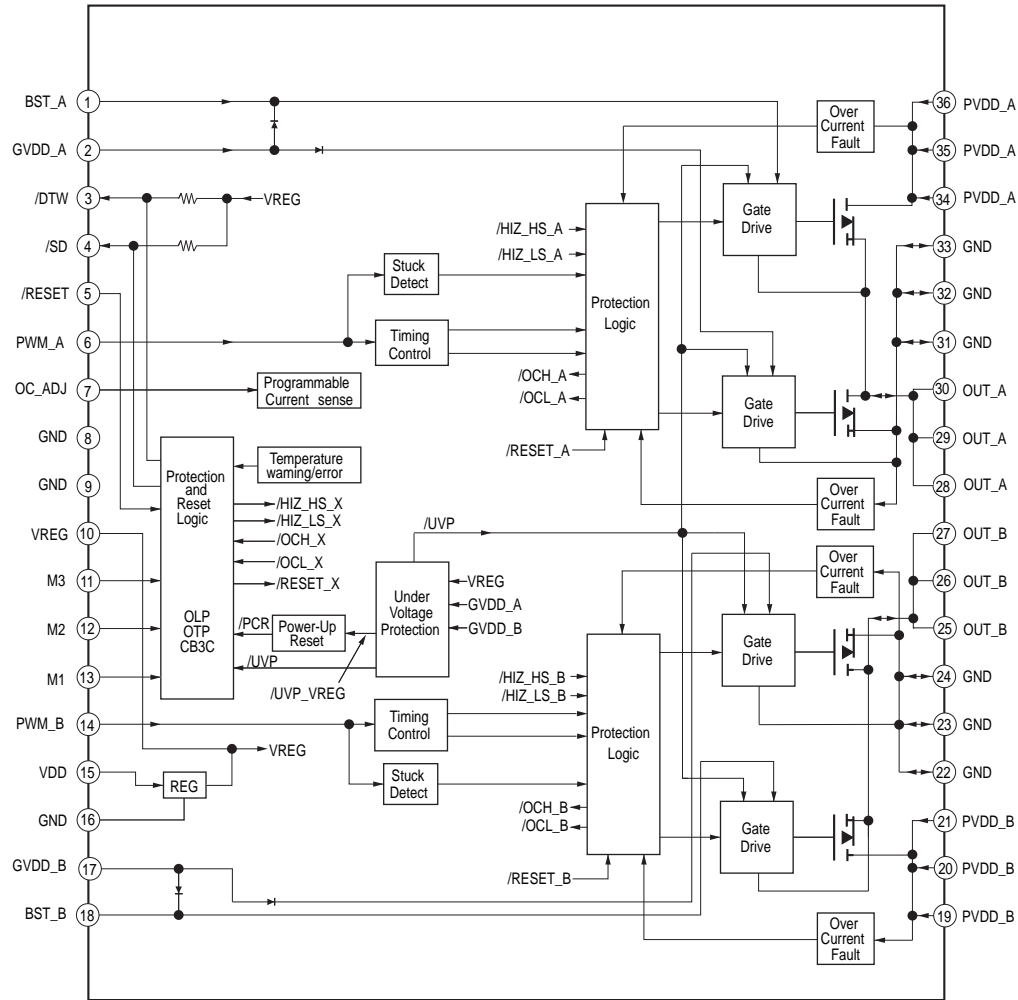




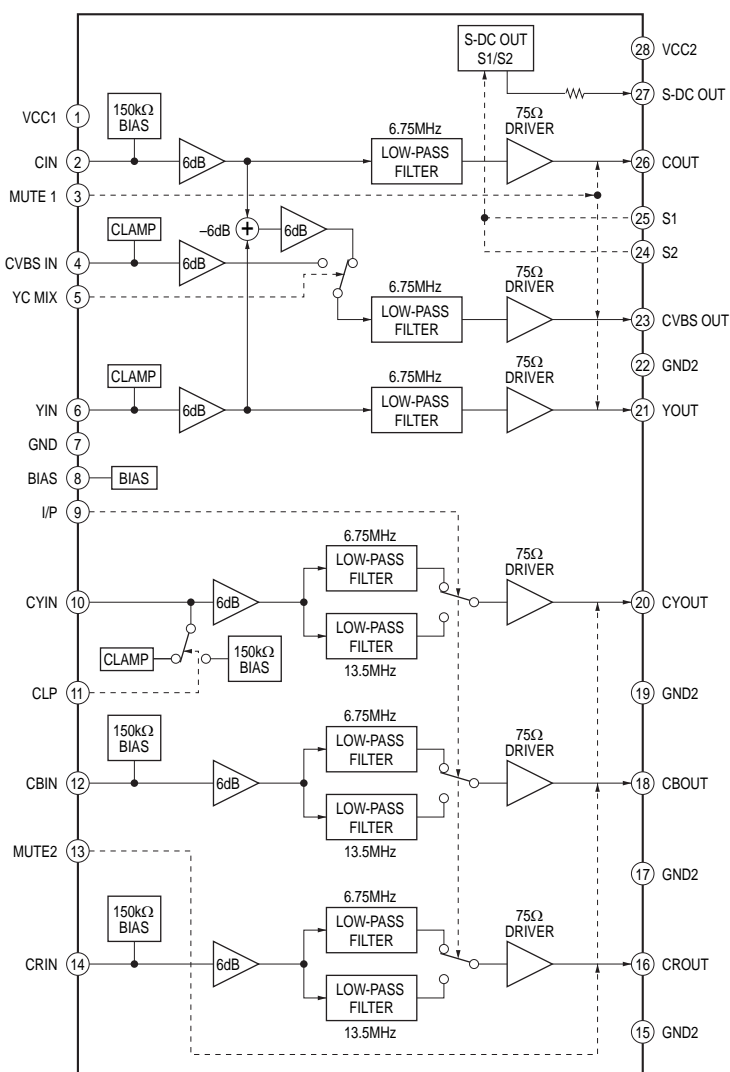
IC707 PCM1808PWR (MAIN Board (7/9))



IC3100 CXD9883M (MAIN Board (9/9))  
 IC3150 CXD9883M (MAIN Board (9/9))  
 IC3200 CXD9883M (MAIN Board (9/9))  
 IC3250 CXD9883M (MAIN Board (9/9))  
 IC3300 CXD9883M (MAIN Board (8/9))  
 IC3400 CXD9883M (MAIN Board (8/9))  
 IC3500 CXD9883M (MAIN Board (8/9)) (DZ665K/DZ670M)



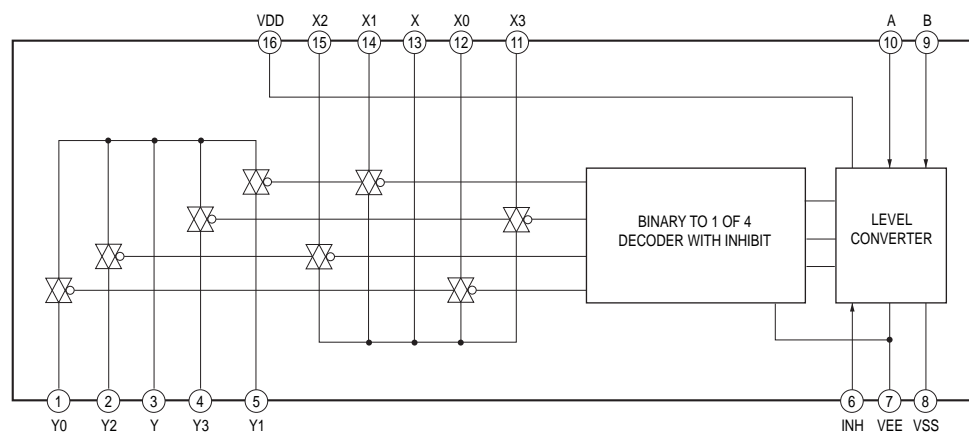
IC404 MM1758AFBE (IO-COMPONENT Board)



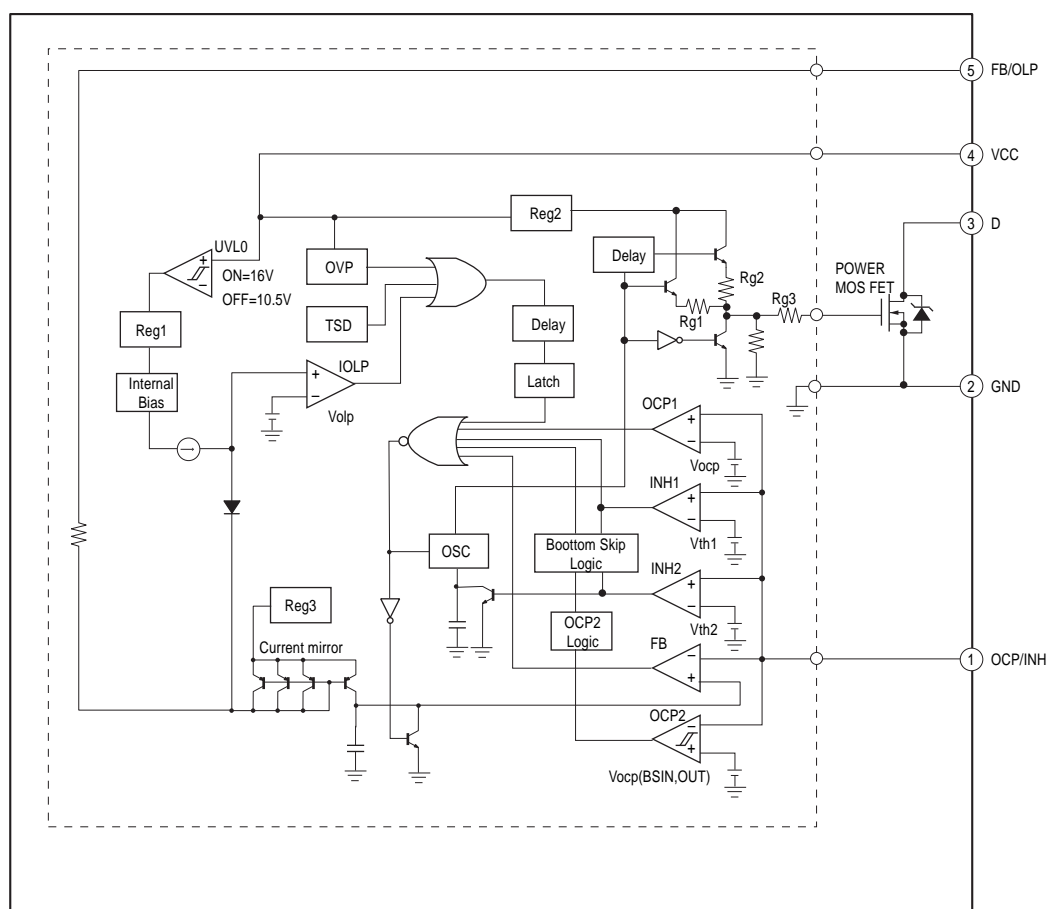
IC407 MC14052BDR2 (IO-COMPONENT Board) (DZ570M/DZ665K/DZ670M)

IC409 MC14052BDR2 (IO-COMPONENT Board) (DZ570M/DZ665K/DZ670M)

IC411 MC14052BDR2 (IO-COMPONENT Board)



IC901 STR-F6168-LF1352 (POWER Board)



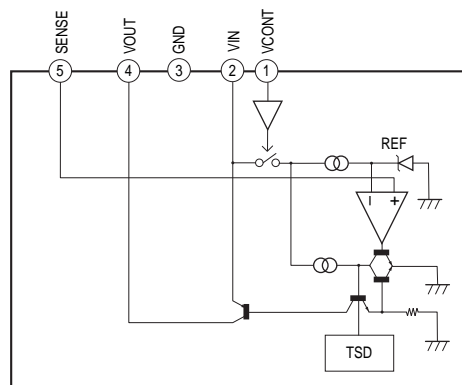
IC941 SI-3010KM-TLS (POWER Board)

IC201 SI-3010KM-TLS (MAIN Board (6/9)) (DZ570M/DZ665K/DZ670M)

IC504 SI-3010KM-TLS (MAIN Board (5/9))

IC505 SI-3010KM-TLS (MAIN Board (5/9))

IC506 SI-3010KM-TLS (MAIN Board (5/9))



- IC Pin Function Description

MAIN BOARD (2/9) IC1101 CXD9917R

(CD/DVD RF AMP, FOCUS/TRACKING ERROR AMP, DVD SYSTEM CONTROL, DIGITAL SERVO PROCESSOR, SCORE/USB CONTROL)

Pin No.	Pin Name	I/O	Description
1	OSN	—	RF offset cancellation capacitor connecting terminal
2	RFGC	I	RF AGC loop capacitor connecting terminal
3	IREF	I	Current reference setting terminal
4	AVDD3	—	Power supply (VDD3.3V)
5	AGND	—	Ground
6	DVDA	I	AC coupled input path A
7	DVDB	I	AC coupled input path B
8	DVDC	I	AC coupled input path C
9	DVDD	I	AC coupled input path D
10	DVDRFIP	I	DC coupled DVD RF signal input RFIP
11	MA	I	DC coupled main-beam RF signal input A
12	MB	I	DC coupled main-beam RF signal input B
13	MC	I	DC coupled main-beam RF signal input C
14	MD	I	DC coupled main-beam RF signal input D
15	SA	—	Not used (Open)
16	SB	—	Not used (Open)
17	TNI	I	DC coupled main-beam RF signal input E
18	TPI	I	DC coupled main-beam RF signal input F
19	MDI1	I	Laser power monitor input
20	MDI2	I	Laser power monitor input
21	LDO2	O	Laser diode (DVD) drive signal output
22	LDO1	O	Laser diode (CD) drive signal output
23	SVDD3	—	Power supply (RF+3.3V)
24	CSO	O	Not used (Open)
25	RFLVL	O	RFRP low pass output
26	SGND	—	Ground
27	V2REFO	O	Reference voltage (2.8V) output
28	V20	O	Reference voltage (2.0V) output
29	VREFO	O	Reference voltage (1.4V) output
30	FEO	O	Focus error monitor output
31	TEO	O	Tracking error monitor output
32	TEZISLV	O	TE Slicing Level input
33	OP_OUT	O	Op amp output
34	OP_INN	I	Op amp negative input
35	OP_INP	I	Spindle feedback signal input
36	DMO	O	Disc motor control PWM output
37	FMO	O	Feed motor control PWM output
38	TROPENPWM	O	Tray PWM output/Tray open output
39	IOPMON	I	Iop Monitor input
40	TRO	O	Tracking servo control signal output
41	FOO	O	Focus servo control signal output
42	AGND18	—	Ground
43	AVDD18	—	Power supply (+1.8V)
44	USB_DP	I/O	USB port serial data input/output
45	USBDM	I/O	USB port serial data input/output
46	USB_VDD3	—	USB power supply (+3.3V)
47	USB_VSS	—	USB ground
48	PAD_VRT	—	Not used
49	USB_VDD18	—	Power supply (+1.8V)
50	USB_VSS	I	Ground
51	DIR_ERROR/NC	I	DIR PLL error signal input (Not used in this set)
52	DIR_AUDIO/NC	I	DIR audio signal input (Not used in this set)

# HCD-DZ275M/DZ570M/DZ665K/DZ670M

Pin No.	Pin Name	I/O	Description
53	LIMITSW	I	LIMIT SW signal input
54	MSW	O	DVD/CD PD –VR select signal output
55	DVDD18	—	Power supply (+1.8V)
56 to 62	HA2 to HA8	O	Flash ROM address bus A2 to A8 output
63, 64	HA18, HA19	O	Flash ROM address bus A18, A19 output
65	DVDD3	—	Power supply (+3.3V)
66	XWR	O	Flash ROM write signal output
67 to 74	HA16 to HA9	O	Flash ROM address bus A16 to A9 output
75	HA20		Flash ROM address bus A20 output
76	XROMCS	O	Flash ROM chip select signal output
77	HA1	O	Flash ROM address bus A1 output
78	XRD	O	Flash ROM read signal output
79, 80	HD0, HD1	I/O	Flash ROM data bus D0, D1 input/output
81	DVSS	—	Ground terminal
82 to 86	HD2 to HD6	I/O	Flash ROM data bus D2 to D6 input/output
87	HA21	I/O	Flash ROM data bus D21 input/output
88	RESERVED	—	Not used (Open)
89	HD7	I/O	Flash ROM data bus D7 input/output
90	DVSS	—	Ground terminal
91, 92	HA17, HA0	O	Flash ROM address bus A17, A0 output
93	DVDD18	O	Flash ROM data bus D18 input/output
94	FWR	O	Loading motor control (FWR) signal output
95	REV	O	Loading motor control (REV) signal output
96	DVDD3	—	Power supply (+3.3V)
97	IFSDO	O	CPU I/F serial data output
98	IFCK	O	CPU I/F serial clock output
99	xFCS	O	CPU I/F chip select output
100	IFSDI	I	CPU I/F serial data input
101	SCL	O	EEPROM serial clock output
102	SDA	I/O	EEPROM serial data input/output
103	CKSW	I	Chuck/Tray detect switch signal input
104	OCSW	I	Chuck/Tray detect switch signal input
105	RXD	I	RXD signal input from Jig
106	TXD	O	TXD signal output to Jig
107	ICE	O	Not used (Open)
108	xBYSTRST	I	System reset signal input
109	RESERVED	I	Not used (Open)
110	xFBSY	I	Busy signal input from CPU I/F
111	DQM0	O	SDRAM lower byte mask signal output
112	EEWP	I	EEPROM ready/Busy wake up signal input
113 to 117	RD7 to 3	I/O	SDROM data bus D7 to D3 input/output
118	DVDD3	—	Power supply (+3.3V)
119 to 121	RD2 to RD0	I/O	SDROM data bus D2 to D0 input/output
122 to 129	RD15 to RD8	I/O	SDROM data bus D15 to D8 input/output
130	TSD_M	I	TSD signal input
131	DVDD3	—	Power supply (+3.3V)
132	DQM1	O	SDRAM lower byte mask signal output
133	_RWE	O	SDRAM write enable signal output
134	_CAS	O	SDRAM column address strobe signal output
135	_RAS	O	SDRAM row address strobe signal output
136	_RCS	O	SDRAM chip select signal output
137, 138	BA0, BA1	O	SDRAM bank address 0, 1 output
139	RA10	O	SDRAM address bus A10 output
140, 141	RA0, RA1	O	SDRAM address bus A0, A1 output
142	DVDD18	—	Power supply (+1.8V)
143, 144	RA2, RA3	O	SDRAM address bus A0, A3 output

Pin No.	Pin Name	I/O	Description
145	DVDD3	—	Power supply (+3.3V)
146	DRCLK	O	SDRAM clock output
147	CKE	O	SDRAM clock enable signal output
148	DVSS	—	Ground terminal
149	RA11	O	SDRAM address bus A11 output
150 to 155	RA9 to RA4	O	SDRAM address bus A9 to A4 output
156	DVDD3	—	Power supply (+3.3V)
157	MUTE123	O	Mute signal output for Focus/Tracking/Sledding
158	MUTE	O	Mute signal output for Spindle motor
159	DDC_DA	I/O	HDMI DDC line data input/output
160	DVDD18	—	Power supply (+1.8V)
161	DDC_CLK	I/O	HDMI DDC line clock input/output
162	HIPLG	I	HDMI HPD signal input
163	AGND3	—	Ground
164	EXT_RES	I	Ext. resistor connected terminal
165, 166	AVDD3	—	Power supply (+3.3V)
167	EXT_CAP	I	Ext. capacitor connected terminal
168, 169	AGND3, AGND18	—	Ground
170	TXCN	O	HDMI TXD-clock output
171	TXCP	O	HDMI TXD-clock output
172	AVDD18	—	Power supply (+1.8V)
173	TX0N	O	HDMI TXD-0 output
174	TX0P	O	HDMI TXD-0 output
175	AGND18	—	Power supply (+1.8V)
176	TX1N	O	HDMI TXD-1 output
177	TX1P	O	HDMI TXD-1 output
178	AVD18	—	Power supply (+1.8V)
179	TX2N	O	HDMI TXD-2 output
180	TX2P	O	HDMI TXD-2 output
181	AGND18	—	Power supply (+1.8V)
182	R/Cr/Pr	O	Video chroma R/Cr/Pr signal output
183	B/Cb/Pb	O	Video chroma B/Cb/Pb signal output
184	DACVSSA	—	Ground
185	Y/G	O	Video Y/chroma G signal output
186	DACVDDA	—	Power supply (+3.3V)
187	CVBS	O	Video Composite signal output (Not used in this set) (Open)
188	DACVSSB	—	Ground
189	C	O	Video chroma signal output
190	DACVDDB	—	Power supply (+3.3V)
191	Y	O	Video Y signal output
192	DACVSSC	—	Ground
193	FS	I	Full Scale Adjustment setting terminal
194	VREF	I	Reference Voltage input terminal
195	DACVDDC	—	Power supply (+3.3V)
196	VBUS_OE	O	VBUS power control signal output
197	VBUS_OC	I	VBUS detect signal input
198	SCORE/DIR_XSTATE	I	Score signal input
199	SPMCK	I	DIR MCK clock input (Not used in this set)
200	SPBCK	I	DIR BCK clock input (Not used in this set)
201	SPLRCK	I	DIR LRCK clock input (Not used in this set)
202	ADIN (SPDATA)	I	Audio digital data input (Not used in this set)
203	ACLK	O	A/D converter and DAMP clock output
204	ABCK	O	A/D converter and DAMP BCK clock output
205	ALRCK	O	A/D converter and DAMP LRCK clock output
206	MC_DATA (ADIN)	I	A/D converter data input
207	DVDD3	—	Power supply (+3.3V)

Pin No.	Pin Name	I/O	Description
208	MIC	O	MIC plug in detect signal input
209	WIDE	O	WIDE select signal output (Not used in this set) (Open)
210	RGB_SEL/DSEL	O	Video output select signal output (Not used in this set) (Open)
211	TRG_SW	I	Not used (Pull up)
212	DVDD18	—	Power supply (+1.8V)
213	KMOD	O	KARAOKE MODE information signal output
214	XVOICE/DIR_CSFLAG	I	VOICE signal input
215	SPDIF	O	Not used (Open)
216	APLLVDD3	—	Power supply (+3.3V)
217	APLLCAP	—	Ext capacitor connected terminal
218	APLLVSS	—	Ground
219	ADACVSS2	—	Ground
220	ADACVSS1	—	Ground
221	DIR_CE	O	DIR I/F chip select signal output (Not used in this set) (Open)
222	ASDATA3	O	Audio digital signal output to S-AIR
223	ASDATA2	O	Audio digital signal output to D-AMP
224	AVCM	—	Ext capacitor connected terminal
225	ASDATA1	O	Audio digital signal output to D-AMP
226	ASDATA0	O	Audio digital signal output to D-AMP
227	DIR_CL	O	DIR I/F clock output (Not used in this set) (Open)
228	ADACVDD1	—	Power supply (+3.3V)
229	ADACVDD2	—	Power supply (+3.3V)
230	Rt/DIR_DI	O	R-CH audio output
231	Lt/DIR_DO	O	L-CH audio output
232	ADACSS3	—	Ground
233	ADACVDD3	—	Power supply (+3.3V)
234	SADCVD18	—	Power supply (+1.8V)
235	SADCVSS18	—	Ground
236	FGND18	—	Ground
237	RFVDD18	—	Power supply (+1.8V)
238	XTALO	O	Crystal output for main clock (27MHz)
239	XTALI	I	Crystal input for main clock (27MHz)
240	JITFO	O	The output terminal of RF jitter meter
241	JITFN	I	The input terminal of RF jitter meter
242	PLLSS	—	Ground
243	PLLVDD3	—	Power supply (+3.3V)
244	LPFON	O	The negative output of loop filter amplifier
245	LPFIP	I	The positive input terminal of loop filter amplifier
246	LPFIN	I	The negative input terminal of loop filter amplifier
247	LPFOP	O	The positive output of loop filter amplifier
248	ADCVD3	—	Power supply (+3.3V)
249	ADCSS	—	Ground
250	RFVDD3	—	Power supply (+3.3V)
251	RFRPDC	O	RF ripple detect output
252	RFRPAC	I	RF ripple detect input (through AC-coupling)
253	HRFZC	I	High frequency RF ripple zero crossing
254	CRTPLP	O	Defect level filter capacitor connected terminal
255	RFGND18	—	Power supply (+3.3V)
256	OSP	O	RF offset cancellation capacitor connecting



## MAIN BOARD (5/9) IC501 R5F3640DDFAR (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	DAMP_SCDT/DIR_DIN	O	D-AMP processor data output
2	DAMP_SHIFT/DIR_CLK	O	D-AMP processor clock output
3	CEC_RX_IN	I	CEC data input
4	SIRCS_IN	I	Sircs input
5	DSP_MOSI/ASEL4	O	Audio input select signal output.
6	DSP_MISO/ASEL5	O	Audio input select signal output.
7	DSP_SPICLK	O	Not used (Open)
8	BYTE	I	External data bus input. (Connected to ground)
9	CNVSS	I	Change processor mode input (L: Single chip mode)
10, 11	EN_A, EN_B	I	Volume pulse input for ENCODER
12	RESET	I	System reset signal input
13	XOUT	O	Crystal output for main clock (5MHz)
14	VSS	—	Ground
15	XIN	I	Crystal input for main clock (5MHz)
16	VCC	—	Power supply (BUP+3.3V)
17	NMI	I	Not used (Fixed to "H" (BUP+3.3V))
18	DIR_ZERO INT2	O	Not used (Open)
19	DIRCSFLAG INT3 /A.CAL_OUT_LEVEL	I	Out level detect for auto calibration input
20	AC_CUT INT0	I	AC-CUT detect signal input
21	FL_CLK/LED_CLK	O	FL and LED driver clock output
22	CEC_TX_OUT	O	CEC data output
23	FL_CS/STB	O	FL and LED driver chip select signal output
24	FL_D_OUT/LED_DATA	O	FL and LED driver data output
25	DIVER_RST_CS/ S-AIR_SRC_MUTE	O	Not used (Open)
26	MIC_GAIN	O	MIC gain control signal output
27	CDM_OPEN_SW/ XM_SEL	I	CDM open switch signal input
28	DC_CONT	O	A.CAL MIC DC control signal output
29	DMP_RX_IN	I	DMPORT data input
30	DMP_TX_OUT	O	DMPORT data output
31	DVD_SID	O	Serial data output to CDX9917R
32	DVD_SOD	I	Serial data input from CDX9917R
33	DVD_SCO	I	Serial clock input from CDX9917R
34	DVD_XIFBUSY	O	RTS signal output to CDX9917R
35	XM_TX_OUT/ MIC_DET_OUT	O	Not used (Open)
36	XM_RX_IN/KRMOD	I	KARAOKE MODE information signal input
37	DVD XIFCS	I	Chip select signal output from CXD9917R
38	MTK RST	O	System reset output
39	P_CONT1	O	Power control signal output
40	P_CONT2	O	Power control signal output
41	WRITE EMP P_CONT3	O	Power control signal output
42	DRIVE_RST(EN)	O	D-AMP driver reset signal output
43	SD(DIAG)/PVDD_DET	I	D-AMP driver shut down signal input
44	OVERFLOW1	I	D-AMP processor F/C/S over flow detect signal input
45	OVERFLOW2	I	D-AMP processor SW over flow detect signal input
46	WRITE CE	I	Not used (Fixed to "H" (+3.3V))
47	I2C_DATA	I/O	EEPROM I2C serial data input/output
48	I2C_CLK	I/O	EEPROM I2C serial clock input/output
49	DAMP LATCH3	O	D-AMP processor latch-3 signal output
50	DAMP INIT	O	D-AMP processor reset signal output
51	DAMP SOFT MUTE	O	D-AMP processor soft mute signal output

Pin No.	Pin Name	I/O	Description
52	M_ST	O	LINK (Multi STEREO) control signal output
53	HP_MUTE	O	Headphone mute signal output (Not used in this set)
54	S-AIR_ADC_SEL	O	S-AIR ADC selector signal output
55	MIC_CLK	O	MIC level control serial clock output
56	DAMP LATCH2	O	D-AMP processor latch-2 signal output
57	DC_DET	I	Speaker DC balance protect signal input
58	S-AIR_RST	O	S-AIR reset signal output
59	DIR_HCE	O	Not used (Open)
60	DIR_ERR	O	Not used (Open)
61	DIR_XSTATE	O	Not used (Open)
62	VCC	—	Power supply (BUP+3.3V)
63	HDMI_PCONT	O	HDMI hot plug power control signal output
64	VSS	—	Ground
65	DAMP LATCH1	O	D-AMP processor latch-1 signal output
66	JACK1/JACK2/ S-AIR_DET	I	MIC or S-AIR insert detect signal input
67	GPIO2	I	S-AIR interrupt signal input
68	TUNED	I	TUNER TUNED signal input
69	ST_CLK	O	TUNER clock output
70	ST_DO	I	TUNER data input
71	ST_CE	O	TUNER chip enable signal output
72	ST_DI	O	TUNER data output
73	DSP_INTR	O	Not used (Open)
74	INT4 KEY INT	I	Wake up signal input from function key
75	INT3 RDS_CLK/ LED_LAT	I	RDS clock input
76	RDS-DATA/ XM_RST(PCONT)	I	RDS data input
77	S-AIR I2C_SDA	I/O	I2C serial data input/output for S-AIR
78	S-AIR I2C_SCL	I/O	I2C serial clock input/output for S-AIR
79	DSP_SF_CE	O	Not used (Open)
80	2ND_XM_SEL/ TV_SEL/MIC_DATA	O	MIC level control serial data output
81	ASEL3/DSP_SPIDS/ XM_SRC_RST	O	Audio select signal output
82	V_SEL0	O	Video select signal output
83	V_SEL1	O	Video select signal output
84	IO_CE/ASEL0	O	Audio select signal output
85	IO_RESET/ASEL1	O	Audio select signal output
86	IO_DI/ASEL2	O	Audio select signal output
87	IO_DO/VSEL2	O	Video select signal output
88	IO_CLK	O	Not used (Open)
89	DMP_DET	I	DMPORT detect signal input
90	MONO/ST_DET	I	AUDIO IN jack MONO or STEREO detect signal input
91	A.CAL MIC LEVEL/ DSP_MASTER	I	MIC level detect signal input for auto calibration
92	DESTINATION	I	Destination select input
93	MODEL	I	Model select input
94	KEY2	I	Key input 2 input
95	KEY1	I	Key input 1 input
96	VSS	—	Ground
97	KEY0	I	Key input 0 input
98	VREF	—	Reference voltage (E3.3V)
99	VCC	—	Power supply (BUP+3.3V)
100	DIR_HDOUT	O	Not used (Pull up)

# HCD-DZ275M/DZ570M/DZ665K/DZ670M



## SECTION 7


### EXPLODED VIEWS

**Note:**

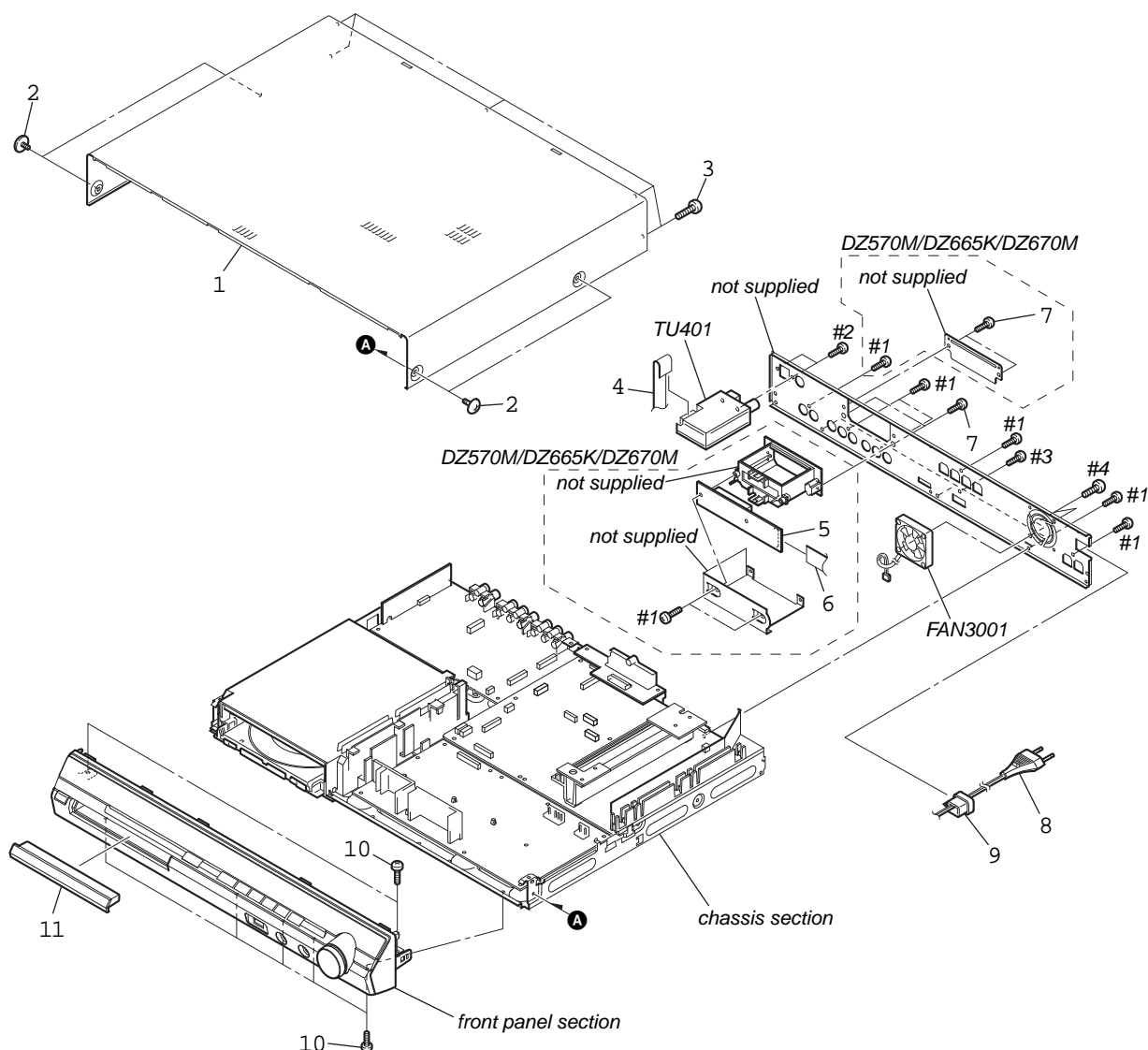
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.


- The mechanical parts with no reference number in the exploded views are not supplied.

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

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

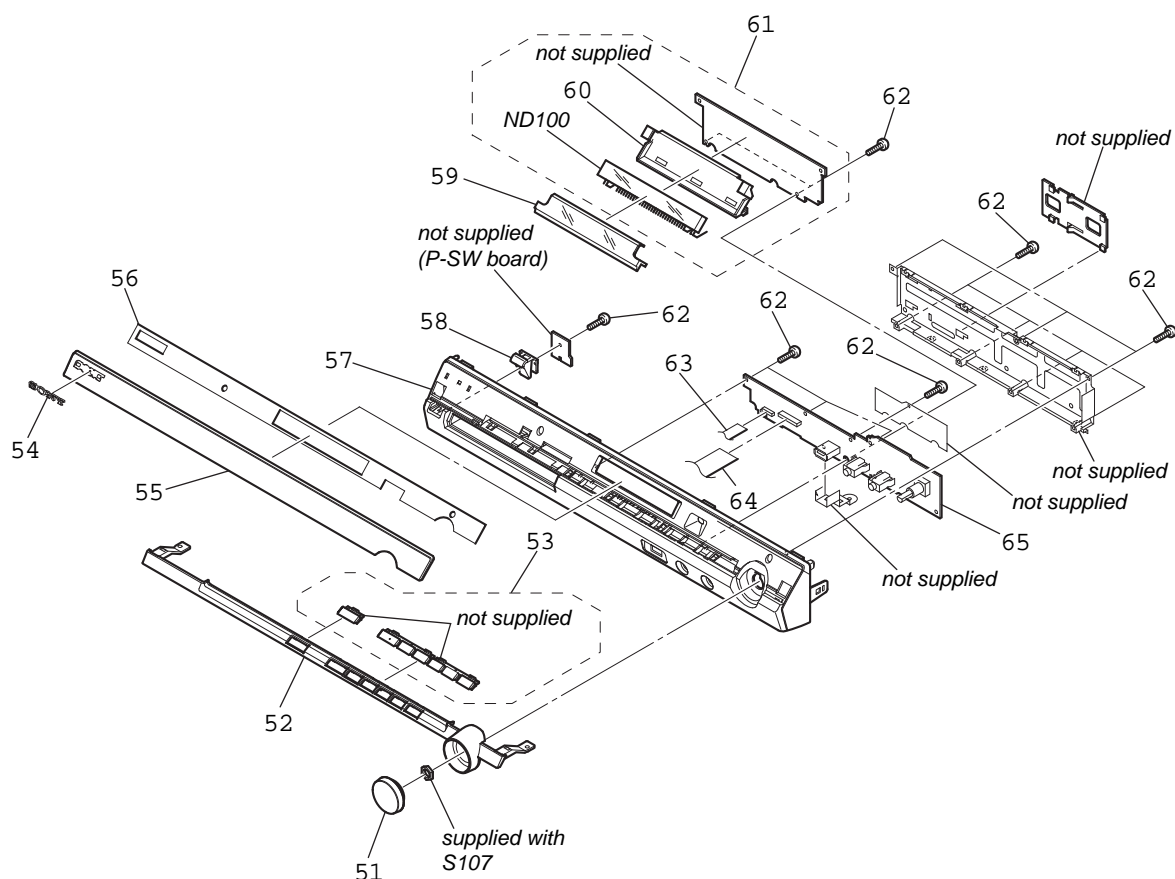
#### 7-1. OVERALL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-273-758-01	CASE (DSR)		9	3-703-244-00	BUSHING (2104), CORD	
2	3-363-099-22	SCREW (CASE 3 TP2)		10	3-077-331-21	+BV 3 (3-CR)	
3	3-704-515-32	SCREW (BV/RING)		11	3-273-727-01	PANEL, LOADING (DSR)	
4	1-827-720-11	WIRE (FLAT TYPE) (11 CORE)		FAN3001	1-787-331-11	FAN, D.C.	
5	A-1438-875-A	S-AIR-CON BOARD, COMPLETE (DZ570M/DZ665K/DZ670M)		TU401	1-693-759-11	TUNER (FM/AM) (ANTENNA)	
6	1-828-350-11	WIRE (FLAT TYPE) (17 CORE) (DZ570M/DZ665K/DZ670M)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
7	3-077-331-11	+BV 3 (3-CR) (DZ570M/DZ665K/DZ670M)		#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
 8	1-834-966-21	CORD, POWER		#3	7-682-547-04	SCREW +B 3X6	
				#4	7-685-881-09	SCREW +BVTT 4X8 (S)	

Note: If the wire (flat type) was replaced, fold it some as the wire (flat type) before replacement.

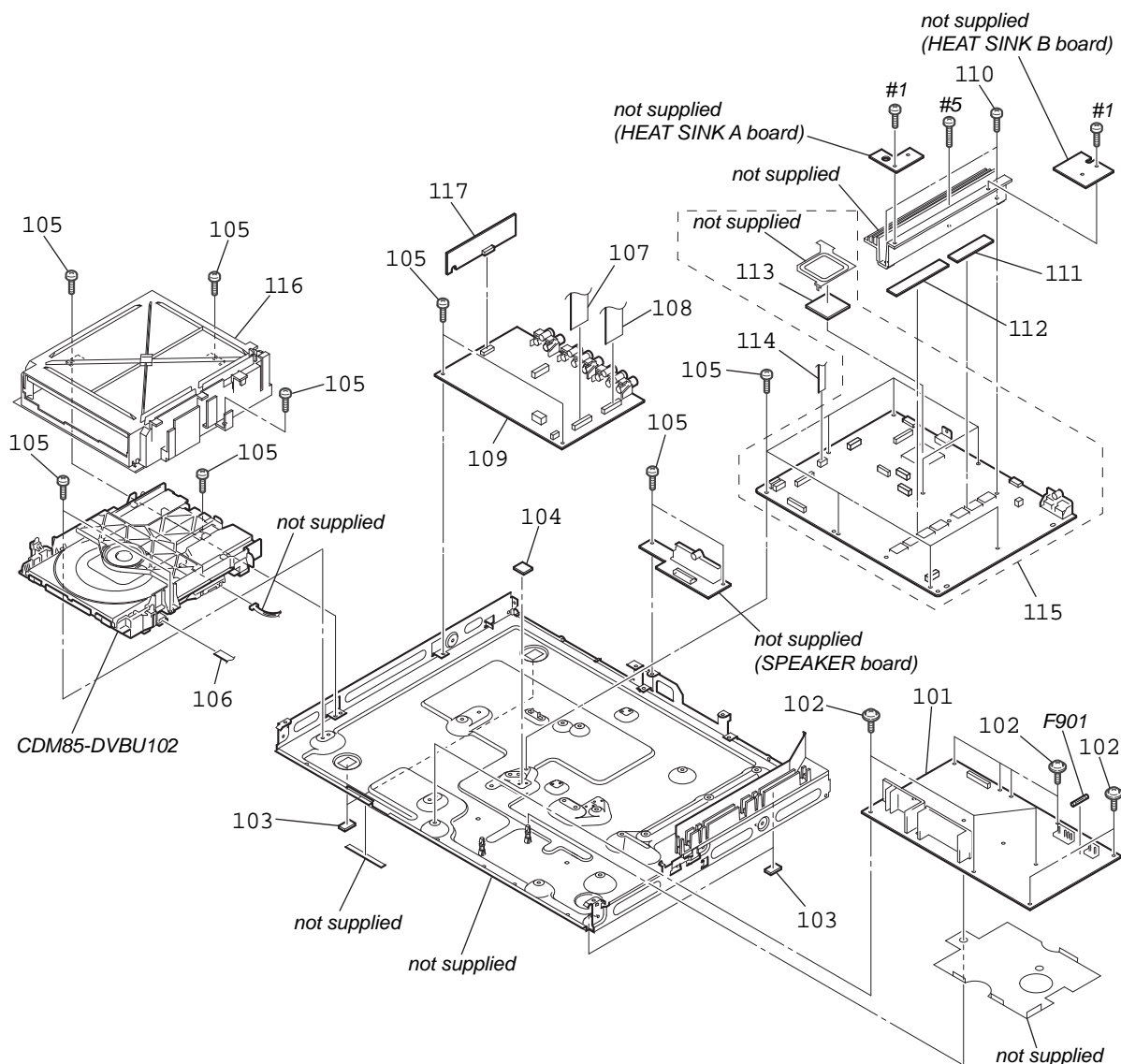
## 7-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	2-889-990-01	KNOB (VOL)		57	3-273-722-42	PANEL (DSR-1), FRONT	
52	3-273-726-01	ORNAMENT (DSR) (DZ275M/DZ570M)		58	3-273-730-01	BUTTON (POWER-DSR)	
52	3-273-726-11	ORNAMENT (DSR) (DZ665K/DZ670M)		59	3-273-732-01	FILTER, COLOR	
53	3-273-728-01	BUTTON (PLAY-SP)		60	3-273-731-01	HOLDER (FL)	
54	3-943-995-01	EMBLEM (NO. 5), SONY		61	A-1382-431-A	FL BOARD, COMPLETE	
55	3-273-724-71	WINDOW, INDICATION (DSR-1) (DZ275M)		62	3-087-053-01	+BVTP 2.6 (3CR)	
55	3-273-725-61	WINDOW, INDICATION (DSR-2) (DZ570M)		63	1-828-307-11	WIRE (FLAT TYPE) (9 CORE)	
55	3-298-415-21	WINDOW, INDICATION (DSR-3) (DZ670M)		64	1-828-363-11	WIRE (FLAT TYPE) (19 CORE)	
55	3-298-415-81	WINDOW, INDICATION (DSR-3) (DZ665K)		65	A-1551-091-A	JACK BOARD, COMPLETE	
56	3-280-669-01	SHEET (DSR WINDOW), ADHESIVE		ND100	1-519-988-11	INDICATOR TUBE, FLUORESCENT	

Note: If the wire (flat type) was replaced, fold it some as the wire (flat type) before replacement.

## 7-3. CHASSIS SECTION

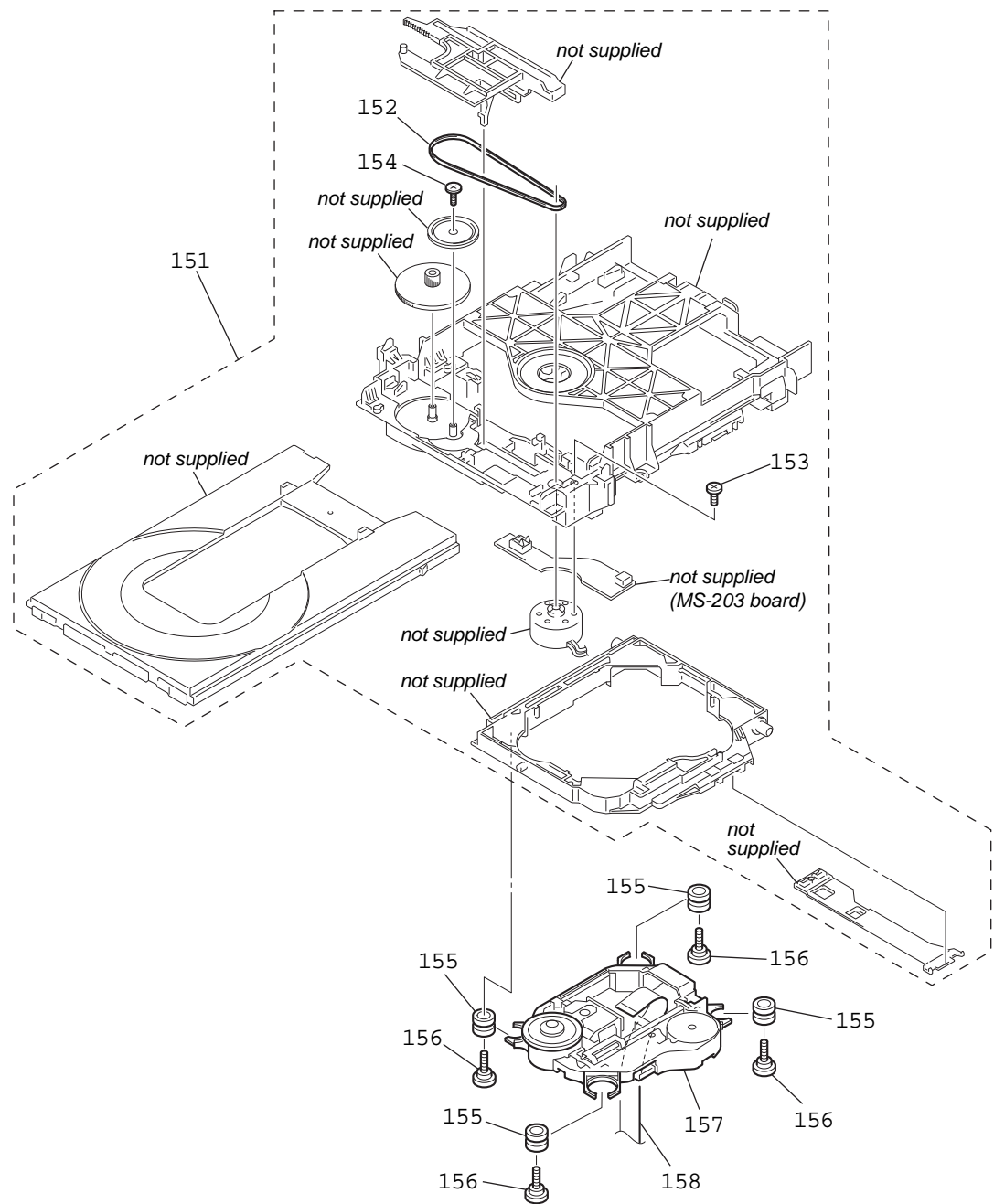


Ref. No.	Part No.	Description	Remark
101	A-1382-421-A	POWER BOARD, COMPLETE (DZ275M)	
101	A-1392-694-A	POWER BOARD, COMPLETE (DZ570M/DZ665K/DZ670M)	
102	2-677-839-01	+PWH 3X8 (SUMITITE)	
103	4-232-478-31	FOOT	
104	4-231-099-91	SHEET, RADIATION	
105	3-077-331-21	+BV 3 (3-CR)	
106	1-828-293-11	WIRE (FLAT TYPE) (5 CORE)	
107	1-828-369-11	WIRE (FLAT TYPE) (21 CORE)	
108	1-828-337-11	WIRE (FLAT TYPE) (15 CORE) (DZ275M)	
108	1-828-347-11	WIRE (FLAT TYPE) (17 CORE) (DZ570M/DZ665K/DZ670M)	
109	A-1441-334-A	IO-COMPONENT BOARD, COMPLETE (DZ275M)	
109	A-1441-401-A	IO-COMPONENT BOARD, COMPLETE (DZ570M)	
109	A-1520-940-A	IO-COMPONENT BOARD, COMPLETE (DZ665K/DZ670M)	
110	3-077-331-11	+BV 3 (3-CR)	

Ref. No.	Part No.	Description	Remark
111	3-100-158-01	SHEET, RADIATION (DZ665K/DZ670M)	
111	3-100-158-21	SHEET, RADIATION (DZ275M/DZ570M)	
112	3-100-158-11	SHEET, RADIATION	
113	4-231-099-41	SHEET, RADIATION	
114	1-828-296-11	WIRE (FLAT TYPE) (7 CORE)	
115	A-1441-374-A	MAIN BOARD, COMPLETE (for SERVICE) (DZ275M)	
115	A-1441-403-A	MAIN BOARD, COMPLETE (for SERVICE) (DZ570M)	
115	A-1527-610-A	MAIN BOARD, COMPLETE (for SERVICE) (DZ665K/DZ670M)	
116	3-273-733-01	COVER (CDM-DSR)	
117	A-1419-028-A	SCORE BOARD, COMPLETE	
△ F901	1-576-233-51	FUSE (H.B.C.) (6.3A/250V)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#5	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	

Note: If the wire (flat type) was replaced, fold it some as the wire (flat type) before replacement.

7-4. DVD MECHANISM DECK SECTION  
(CDM85-DVBU102)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-6071-669-A	LOADING ASSY (M)		155	2-634-618-01	INSULATOR	
152	3-088-371-01	BELT		156	3-087-599-01	INSULATOR SCREW	
153	4-974-725-11	SCREW (M1.7X2.5), P		△ 157	8-820-321-05	OPTICAL PICK-UP (KHM-313CAA/C2RP)	
154	4-674-137-11	SCREW (PTP 2X5)		158	1-828-773-51	WIRE (FLAT TYPE) (24 CORE)	

Note: If the wire (flat type) was replaced, fold it some as the wire (flat type) before replacement.



# HCD-DZ275M/DZ570M/DZ665K/DZ670M

## SECTION 8

### ELECTRICAL PARTS LIST

FL

IO-COMPONENT

Note:

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

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

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

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

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
	A-1382-431-A	FL BOARD, COMPLETE *****							< RESISTOR >				
	3-273-731-01	HOLDER (FL)					R100	1-216-828-11	METAL CHIP	3.9K	5%	1/10W	
		< CAPACITOR >					R101	1-216-839-11	METAL CHIP	33K	5%	1/10W	
C101	1-126-382-11	ELECT	100uF	20%	16V		R102	1-216-805-11	METAL CHIP	47	5%	1/10W	
C102	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V		R103	1-216-805-11	METAL CHIP	47	5%	1/10W	
C103	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V		R104	1-216-809-11	METAL CHIP	100	5%	1/10W	
C104	1-162-974-11	CERAMIC CHIP	0.01uF		50V		R105	1-216-809-11	METAL CHIP	100	5%	1/10W	
C105	1-119-943-11	ELECT	47uF	20%	50V		R106	1-216-809-11	METAL CHIP	100	5%	1/10W	
		< TRANSFORMER >					R107	1-216-844-11	METAL CHIP	82K	5%	1/10W	
C106	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		R108	1-216-805-11	METAL CHIP	47	5%	1/10W	
C107	1-126-157-11	ELECT	10uF	20%	16V								
C108	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		T100	1-443-645-11	TRANSFORMER, DC CONVERTER	*****			
C116	1-126-157-11	ELECT	10uF	20%	16V			A-1441-334-A	IO-COMPONENT BOARD, COMPLETE (DZ275M)				
C117	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V			A-1441-401-A	IO-COMPONENT BOARD, COMPLETE (DZ570M)				
		< CONNECTOR >						A-1520-940-A	IO-COMPONENT BOARD, COMPLETE (DZ665K/DZ670M)				
C189	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V								
C190	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V								
		< DIODE >											
CN100	1-779-546-11	CONNECTOR, FFC (LIF(NON-ZIF)) 9P							< CAPACITOR >				
		< IC >					C454	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
D100	6-501-579-01	DIODE MC2837					C456	1-126-933-11	ELECT	100uF	20%	16V	
D101	6-501-579-01	DIODE MC2837					C457	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
D102	6-501-729-01	DIODE MAZ8051GLLS0					C458	1-126-933-11	ELECT	100uF	20%	16V	
D103	6-501-817-01	DIODE MA2J1110GLS0					C460	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
		< COIL >					C462	1-126-916-11	ELECT	1000uF	20%	6.3V	
IC100	6-701-729-01	IC PT6315					C463	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
IC101	6-600-349-21	IC NJL23H400A (IR)					C466	1-126-965-11	ELECT	22uF	20%	50V	
		< FLUORESCENT INDICATOR TUBE >					C467	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
L100	1-410-671-31	INDUCTOR	47uH					C468	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
L101	1-410-671-31	INDUCTOR	47uH										
L102	1-410-671-31	INDUCTOR	47uH					C470	1-126-964-11	ELECT	10uF	20%	50V
		< TRANSISTOR >											
ND100	1-519-988-11	INDICATOR TUBE, FLUORESCENT											
		< TRANSISTOR >					C473	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
Q100	6-550-065-01	TRANSISTOR CPH5504-TL-E					C474	1-126-925-11	ELECT	470uF	20%	10V	
							C476	1-126-964-11	ELECT	10uF	20%	50V	
							C478	1-126-916-11	ELECT	1000uF	20%	6.3V	
							C480	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
							C481	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
							C482	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
							C488	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
							C489	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
							C491	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
							C495	1-104-662-11	ELECT	22uF	20%	25V	

## HCD-DZ275M/DZ570M/DZ665K/DZ670M

## IO-COMPONENT

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C496	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	C566	1-126-964-11	ELECT	10uF 20% 50V
C499	1-104-662-11	ELECT	22uF 20% 25V	C567	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C504	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C568	1-126-933-11	ELECT	100uF 20% 16V
			(DZ570M/DZ665K/DZ670M)	C569	1-126-964-11	ELECT	10uF 20% 50V
C505	1-162-960-11	CERAMIC CHIP	220PF 10% 50V				(DZ570M/DZ665K/DZ670M)
			(DZ665K/DZ670M)	C620	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C509	1-104-662-11	ELECT	22uF 20% 25V	C621	1-165-908-11	CERAMIC CHIP	1uF 10% 10V
			(DZ665K/DZ670M)	C622	1-165-908-11	CERAMIC CHIP	1uF 10% 10V
C511	1-162-960-11	CERAMIC CHIP	220PF 10% 50V			< CONNECTOR >	
			(DZ665K/DZ670M)	CN402	1-779-285-11	CONNECTOR, FFC (LIF(NON-ZIF))	17P
C512	1-104-662-11	ELECT	22uF 20% 25V				(DZ570M/DZ665K/DZ670M)
			(DZ665K/DZ670M)	CN403	1-779-283-11	CONNECTOR, FFC (LIF(NON-ZIF))	15P (DZ275M)
C514	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	CN410	1-779-275-11	CONNECTOR, FFC (LIF(NON-ZIF))	7P
C518	1-126-960-11	ELECT	1uF 20% 50V	CN411	1-564-707-11	PIN, CONNECTOR (SMALL TYPE)	5P
C521	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	CN413	1-778-226-21	CONNECTOR, BOARD TO BOARD	6P
			(DZ570M/DZ665K/DZ670M)				
C524	1-104-662-11	ELECT	22uF 20% 25V	CN414	1-568-830-11	CONNECTOR, FFC	11P
			(DZ570M/DZ665K/DZ670M)	CN417	1-779-289-11	CONNECTOR, FFC (LIF(NON-ZIF))	21P
C525	1-162-960-11	CERAMIC CHIP	220PF 10% 50V			< DIODE >	
			(DZ570M/DZ665K/DZ670M)	D405	6-501-579-01	DIODE MC2837	(DZ665K/DZ670M)
C528	1-126-933-11	ELECT	100uF 20% 16V	D406	6-501-579-01	DIODE MC2837	
			(DZ570M/DZ665K/DZ670M)	D407	8-719-058-24	DIODE RB501V-40TE-17	
C529	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D408	6-501-817-01	DIODE MA2J1110GLS0	
			(DZ570M/DZ665K/DZ670M)	D409	6-501-817-01	DIODE MA2J1110GLS0	
C530	1-104-662-11	ELECT	22uF 20% 25V				
			(DZ570M/DZ665K/DZ670M)	D410	6-501-728-01	DIODE MAZ8051G0LS0	
C533	1-126-960-11	ELECT	1uF 20% 50V	D411	6-501-579-01	DIODE MC2837	
C535	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	D412	6-501-728-01	DIODE MAZ8051G0LS0	
C536	1-104-662-11	ELECT	22uF 20% 25V				(DZ570M/DZ665K/DZ670M)
C537	1-162-960-11	CERAMIC CHIP	220PF 10% 50V			< IC >	
C538	1-104-662-11	ELECT	22uF 20% 25V	IC404	6-710-470-01	IC MM1758AFBE	
				IC407	8-759-385-76	IC MC14052BDR2	(DZ570M/DZ665K/DZ670M)
C539	1-126-957-11	ELECT	0.22uF 20% 50V	IC409	8-759-385-76	IC MC14052BDR2	(DZ570M/DZ665K/DZ670M)
C540	1-126-957-11	ELECT	0.22uF 20% 50V	IC411	8-759-385-76	IC MC14052BDR2	
C541	1-126-933-11	ELECT	100uF 20% 16V	IC412	6-706-078-01	IC M62429FP-TP	
C542	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V				
C543	1-126-960-11	ELECT	1uF 20% 50V	IC413	6-700-830-01	IC KIA7809API	
				IC414	8-759-832-10	IC LA3210A/B-E	
C544	1-126-960-11	ELECT	1uF 20% 50V	IC620	6-705-338-01	IC TK11250CMCL-G	
C546	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V			< JACK >	
C547	1-126-933-11	ELECT	100uF 20% 16V	J401	1-817-601-11	JACK, PIN 3P (COMPONENT VIDEO OUT)	
C548	1-127-573-11	CERAMIC CHIP	1uF 10% 16V	J403	1-778-940-11	JACK, PIN 2P (SAT/CABLE (AUDIO IN R/L))	
C549	1-126-947-11	ELECT	47uF 20% 35V				(DZ665K/DZ670M)
C550	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	J404	1-820-862-11	JACK, PIN 3P (VIDEO OUT,	
C551	1-162-927-11	CERAMIC CHIP	100PF 5% 50V			TV/VIDEO (AUDIO IN R/L))	
C552	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V				(DZ275M/DZ570M)
C553	1-126-933-11	ELECT	100uF 20% 16V	J404	1-820-862-11	JACK, PIN 3P (VIDEO OUT,	
C554	1-126-966-11	ELECT	33uF 20% 50V			TV (AUDIO IN R/L))	(DZ665K/DZ670M)
C555	1-126-964-11	ELECT	10uF 20% 50V			< JUMPER RESISTOR >	
C556	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	JR502	1-216-864-11	SHORT CHIP	0
C557	1-126-933-11	ELECT	100uF 20% 16V	JR503	1-216-864-11	SHORT CHIP	0
C558	1-104-662-11	ELECT	22uF 20% 25V	JR504	1-216-864-11	SHORT CHIP	0
C559	1-104-662-11	ELECT	22uF 20% 25V	JR505	1-216-864-11	SHORT CHIP	0
				JR506	1-216-864-11	SHORT CHIP	0
C560	1-126-933-11	ELECT	100uF 20% 16V				
C561	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	JR507	1-216-864-11	SHORT CHIP	0
			(DZ570M/DZ665K/DZ670M)	JR508	1-216-864-11	SHORT CHIP	0
C561	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	JR515	1-216-864-11	SHORT CHIP	0
			(DZ275M)	JR516	1-216-864-11	SHORT CHIP	0
C562	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V				
			(DZ570M/DZ665K/DZ670M)				
C562	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V				
			(DZ275M)				
C563	1-162-921-11	CERAMIC CHIP	33PF 5% 50V				
C564	1-126-933-11	ELECT	100uF 20% 16V				
C565	1-126-964-11	ELECT	10uF 20% 50V				



## IO-COMPONENT

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
		< COIL >									
L404	1-469-525-91	INDUCTOR	10uH			R507	1-216-841-11	METAL CHIP	47K	5%	1/10W (DZ665K/DZ670M)
L406	1-469-525-91	INDUCTOR	10uH			R508	1-216-841-11	METAL CHIP	47K	5%	1/10W (DZ665K/DZ670M)
L407	1-469-525-91	INDUCTOR	10uH			R509	1-216-821-11	METAL CHIP	1K	5%	1/10W (DZ570M/DZ665K/DZ670M)
		< TRANSISTOR >				R513	1-216-864-11	SHORT CHIP	0		(DZ570M/DZ665K/DZ670M)
Q408	8-729-027-52	TRANSISTOR	DTC124EKA-T146			R514	1-216-864-11	SHORT CHIP	0		(DZ570M/DZ665K/DZ670M)
			(DZ570M/DZ665K/DZ670M)			R515	1-216-864-11	SHORT CHIP	0		
Q409	8-729-027-52	TRANSISTOR	DTC124EKA-T146			R516	1-216-864-11	SHORT CHIP	0		
			(DZ570M/DZ665K/DZ670M)			R523	1-216-864-11	SHORT CHIP	0		
Q410	8-729-027-52	TRANSISTOR	DTC124EKA-T146			R527	1-216-841-11	METAL CHIP	47K	5%	1/10W (DZ570M/DZ665K/DZ670M)
			(DZ570M/DZ665K/DZ670M)			R528	1-216-841-11	METAL CHIP	47K	5%	1/10W (DZ570M/DZ665K/DZ670M)
Q411	8-729-027-52	TRANSISTOR	DTC124EKA-T146								
			(DZ570M/DZ665K/DZ670M)			R533	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (DZ570M/DZ665K/DZ670M)
Q412	8-729-027-52	TRANSISTOR	DTC124EKA-T146			R536	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ570M/DZ665K/DZ670M)
Q413	8-729-027-52	TRANSISTOR	DTC124EKA-T146								
Q414	8-729-027-52	TRANSISTOR	DTC124EKA-T146			R538	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (DZ570M/DZ665K/DZ670M)
Q415	8-729-027-52	TRANSISTOR	DTC124EKA-T146								
		< RESISTOR >				R539	1-216-841-11	METAL CHIP	47K	5%	1/10W (DZ570M/DZ665K/DZ670M)
R439	1-218-285-11	METAL CHIP	75	5%	1/10W	R540	1-216-841-11	METAL CHIP	47K	5%	1/10W (DZ570M/DZ665K/DZ670M)
R444	1-218-827-11	METAL CHIP	150	0.5%	1/10W						
R445	1-218-827-11	METAL CHIP	150	0.5%	1/10W	R541	1-216-864-11	SHORT CHIP	0		
R446	1-218-827-11	METAL CHIP	150	0.5%	1/10W	R543	1-216-821-11	METAL CHIP	1K	5%	1/10W (DZ570M/DZ665K/DZ670M)
R447	1-218-827-11	METAL CHIP	150	0.5%	1/10W						
R448	1-218-827-11	METAL CHIP	150	0.5%	1/10W	R546	1-216-864-11	SHORT CHIP	0		
R449	1-218-285-11	METAL CHIP	75	5%	1/10W	R548	1-216-864-11	SHORT CHIP	0		
R452	1-218-285-11	METAL CHIP	75	5%	1/10W	R549	1-216-864-11	SHORT CHIP	0		(DZ570M/DZ665K/DZ670M)
R458	1-216-864-11	SHORT CHIP	0								
R459	1-216-864-11	SHORT CHIP	0			R550	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ570M/DZ665K/DZ670M)
R468	1-218-285-11	METAL CHIP	75	5%	1/10W						
R471	1-216-864-11	SHORT CHIP	0 (DZ275M)			R551	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R473	1-216-864-11	SHORT CHIP	0 (DZ275M)			R552	1-216-841-11	METAL CHIP	47K	5%	1/10W
R473	1-218-285-11	METAL CHIP	75	5%	1/10W (DZ570M/DZ665K/DZ670M)	R553	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R554	1-216-864-11	SHORT CHIP	0 (DZ275M)		
R479	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
R480	1-216-841-11	METAL CHIP	47K	5%	1/10W	R556	1-216-821-11	METAL CHIP	1K	5%	1/10W (DZ570M/DZ665K/DZ670M)
R481	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R485	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R557	1-216-809-11	METAL CHIP	100	5%	1/10W
R486	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R558	1-216-809-11	METAL CHIP	100	5%	1/10W
R489	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R559	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R561	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R490	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R491	1-216-841-11	METAL CHIP	47K	5%	1/10W	R563	1-216-864-11	SHORT CHIP	0 (DZ570M/DZ665K/DZ670M)		
R494	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ665K/DZ670M)	R564	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R566	1-216-841-11	METAL CHIP	47K	5%	1/10W
R495	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ570M/DZ665K/DZ670M)	R567	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R568	1-216-864-11	SHORT CHIP	0 (DZ275M)		
R496	1-216-841-11	METAL CHIP	47K	5%	1/10W (DZ665K/DZ670M)						
						R569	1-216-833-11	METAL CHIP	10K	5%	1/10W
R497	1-216-841-11	METAL CHIP	47K	5%	1/10W (DZ665K/DZ670M)	R570	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R571	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R500	1-216-821-11	METAL CHIP	1K	5%	1/10W (DZ570M/DZ665K/DZ670M)	R572	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
						R575	1-216-833-11	METAL CHIP	10K	5%	1/10W
R503	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ665K/DZ670M)						
R504	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ665K/DZ670M)	R577	1-216-864-11	SHORT CHIP	0		
						R579	1-216-821-11	METAL CHIP	1K	5%	1/10W
R505	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ570M/DZ665K/DZ670M)	R580	1-216-809-11	METAL CHIP	100	5%	1/10W
						R581	1-216-809-11	METAL CHIP	100	5%	1/10W
						R582	1-216-833-11	METAL CHIP	10K	5%	1/10W
R506	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ665K/DZ670M)						
						R583	1-216-864-11	SHORT CHIP	0		
						R584	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R585	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R586	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R587	1-216-833-11	METAL CHIP	10K	5%	1/10W

HCD-DZ275M/DZ570M/DZ665K/DZ670M

IO-COMPONENT JACK

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R588	1-216-833-11	METAL CHIP	10K	5%	1/10W	C149	1-162-925-11	CERAMIC CHIP	68PF	5%	50V
R589	1-216-833-11	METAL CHIP	10K	5%	1/10W	C150	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
R590	1-216-833-11	METAL CHIP	10K	5%	1/10W	C151	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
R591	1-216-864-11	SHORT CHIP	0			C152	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
R592	1-216-809-11	METAL CHIP	100	5%	1/10W	C153	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
R593	1-216-864-11	SHORT CHIP	0			C156	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
R594	1-216-833-11	METAL CHIP	10K	5%	1/10W	C157	1-124-584-00	ELECT	100uF	20%	10V
R595	1-216-864-11	SHORT CHIP	0			C158	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R596	1-216-833-11	METAL CHIP	10K	5%	1/10W	C159	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R597	1-216-845-11	METAL CHIP	100K	5%	1/10W	C160	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
R598	1-216-833-11	METAL CHIP	10K	5%	1/10W	C161	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
R599	1-216-833-11	METAL CHIP	10K	5%	1/10W	C162	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
R600	1-216-845-11	METAL CHIP	100K	5%	1/10W	C164	1-126-157-11	ELECT	10uF	20%	16V
R601	1-216-845-11	METAL CHIP	100K	5%	1/10W	C168	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R602	1-216-845-11	METAL CHIP	100K	5%	1/10W	C169	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R603	1-216-845-11	METAL CHIP	100K	5%	1/10W	< CONNECTOR >					
R604	1-216-833-11	METAL CHIP	10K	5%	1/10W	CN102	1-779-277-11	CONNECTOR, FFC (LIF(NON-ZIF))	9P		
R605	1-216-837-11	METAL CHIP	22K	5%	1/10W	CN103	1-779-287-11	CONNECTOR, FFC (LIF(NON-ZIF))	19P		
R606	1-216-864-11	SHORT CHIP	0			CN104	1-819-866-11	CONNECTOR, USB (A) (USB)			
R607	1-216-864-11	SHORT CHIP	0			CN105	1-564-721-11	PIN, CONNECTOR (SMALL TYPE)	5P		
R608	1-216-815-11	METAL CHIP	330	5%	1/10W	< DIODE >					
R609	1-216-809-11	METAL CHIP	100	5%	1/10W (DZ275M)	D104	6-501-579-01	DIODE	MC2837		
R609	1-216-864-11	SHORT CHIP	0	(DZ570M/DZ665K/DZ670M)			D107	6-501-817-01	DIODE	MA2J1110GLS0	
R610	1-216-809-11	METAL CHIP	100	5%	1/10W (DZ275M)	D108	6-501-579-01	DIODE	MC2837		
R610	1-216-864-11	SHORT CHIP	0	(DZ570M/DZ665K/DZ670M)			D109	6-501-579-01	DIODE	MC2837	
R611	1-216-864-11	SHORT CHIP	0			< FERRITE BEAD >					
R612	1-216-864-11	SHORT CHIP	0			FB102	1-500-236-22	BEAD, FERRITE (CHIP)	(1608)		
R613	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	FB103	1-500-236-22	BEAD, FERRITE (CHIP)	(1608)		
△ R615	1-215-865-11	METAL OXIDE	220	5%	1W	F	FB104	1-500-236-22	BEAD, FERRITE (CHIP)	(1608)	
R620	1-216-821-11	METAL CHIP	1K	5%	1/10W	< IC >					
△ R621	1-215-865-11	METAL OXIDE	220	5%	1W	F	IC102	6-705-312-01	IC	S-T111B33MC-OGSTFG	
							IC103	8-759-100-96	IC	uPC4558G2	
R622	1-216-864-11	SHORT CHIP	0				IC104	8-759-100-96	IC	uPC4558G2	
R623	1-216-864-11	SHORT CHIP	0			< JACK >					
*****											
A-1551-091-A	JACK BOARD, COMPLETE		*****								
< CAPACITOR >											
C121	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	JR101	1-216-864-11	SHORT CHIP	0		
C122	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	JR102	1-216-864-11	SHORT CHIP	0		
C124	1-115-156-11	CERAMIC CHIP	1uF		10V	JR103	1-216-864-11	SHORT CHIP	0		
C126	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	< TRANSISTOR >					
C127	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	Q101	8-729-038-28	TRANSISTOR	RT1N441C-TP-1		
C132	1-104-658-11	ELECT	100uF	20%	10V	Q102	8-729-038-28	TRANSISTOR	RT1N441C-TP-1		
C133	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	Q103	8-729-038-11	TRANSISTOR	RT1P140C-TP-1		
C134	1-164-315-11	CERAMIC CHIP	470PF	5%	50V	Q104	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
C135	1-124-589-11	ELECT	47uF	20%	16V	Q105	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
C136	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< RESISTOR >					
C137	1-124-584-00	ELECT	100uF	20%	10V	R109	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
C138	1-126-157-11	ELECT	10uF	20%	16V	R110	1-216-833-11	METAL CHIP	10K	5%	1/10W
C139	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R111	1-216-809-11	METAL CHIP	100	5%	1/10W
C142	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	R112	1-216-809-11	METAL CHIP	100	5%	1/10W
C143	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	R113	1-216-815-11	METAL CHIP	330	5%	1/10W
C144	1-126-157-11	ELECT	10uF	20%	16V	R114	1-216-815-11	METAL CHIP	330	5%	1/10W
C145	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						
C147	1-162-960-11	CERAMIC CHIP	220PF	10%	50V						
C148	1-164-315-11	CERAMIC CHIP	470PF	5%	50V						

Ref. No.	Part No.	Description	Remark		
R115	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R117	1-216-834-11	METAL CHIP	12K	5%	1/10W
R118	1-216-835-11	METAL CHIP	15K	5%	1/10W
R121	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R122	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R123	1-216-821-11	METAL CHIP	1K	5%	1/10W
R126	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R128	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R129	1-216-801-11	METAL CHIP	22	5%	1/10W
R130	1-216-821-11	METAL CHIP	1K	5%	1/10W
R131	1-216-821-11	METAL CHIP	1K	5%	1/10W
R132	1-216-809-11	METAL CHIP	100	5%	1/10W
R133	1-216-819-11	METAL CHIP	680	5%	1/10W
R134	1-216-835-11	METAL CHIP	15K	5%	1/10W
R135	1-216-833-11	METAL CHIP	10K	5%	1/10W
R136	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R137	1-216-837-11	METAL CHIP	22K	5%	1/10W
R138	1-216-845-11	METAL CHIP	100K	5%	1/10W
R139	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R140	1-216-805-11	METAL CHIP	47	5%	1/10W
R141	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R143	1-216-817-11	METAL CHIP	470	5%	1/10W
R144	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R145	1-216-845-11	METAL CHIP	100K	5%	1/10W
R146	1-216-817-11	METAL CHIP	470	5%	1/10W
R147	1-216-845-11	METAL CHIP	100K	5%	1/10W
R148	1-216-837-11	METAL CHIP	22K	5%	1/10W
R149	1-216-821-11	METAL CHIP	1K	5%	1/10W
R150	1-216-821-11	METAL CHIP	1K	5%	1/10W
R151	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R152	1-216-864-11	SHORT CHIP	0		
R153	1-216-857-11	METAL CHIP	1M	5%	1/10W
R154	1-216-837-11	METAL CHIP	22K	5%	1/10W
R155	1-216-864-11	SHORT CHIP	0		
R157	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R158	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R159	1-216-845-11	METAL CHIP	100K	5%	1/10W
R160	1-216-835-11	METAL CHIP	15K	5%	1/10W
R161	1-216-817-11	METAL CHIP	470	5%	1/10W
R163	1-216-821-11	METAL CHIP	1K	5%	1/10W
R164	1-216-837-11	METAL CHIP	22K	5%	1/10W
R184	1-216-821-11	METAL CHIP	1K	5%	1/10W
R186	1-216-821-11	METAL CHIP	1K	5%	1/10W
R187	1-216-821-11	METAL CHIP	1K	5%	1/10W
< SWITCH >					
S100	1-762-875-21	SWITCH, KEYBOARD (≡)			
S101	1-762-875-21	SWITCH, KEYBOARD (▷)			
S102	1-762-875-21	SWITCH, KEYBOARD (▶▶)			
S103	1-762-875-21	SWITCH, KEYBOARD (■)			
S104	1-762-875-21	SWITCH, KEYBOARD (■)			
S105	1-762-875-21	SWITCH, KEYBOARD (◀◀)			
S106	1-762-875-21	SWITCH, KEYBOARD (FUNCTION)			
S107	1-480-136-11	ENCODER, ROTARY (12 TYPE) (VOLUME)			

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Ref. No.	Part No.	Description	Remark		
Ⓐ	A-1441-374-A	MAIN BOARD, COMPLETE (for SERVICE)	(DZ275M)		
Ⓐ	A-1441-403-A	MAIN BOARD, COMPLETE (for SERVICE)	(DZ570M)		
Ⓐ	A-1527-610-A	MAIN BOARD, COMPLETE (for SERVICE)	(DZ665K/DZ670M)		
		*****			
	4-231-099-41	SHEET, RADIATION			
		< CAPACITOR >			
C220	1-128-995-21	ELECT CHIP	100uF	20%	10V
			(DZ570M/DZ665K/DZ670M)		
C221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
			(DZ570M/DZ665K/DZ670M)		
C222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
			(DZ570M/DZ665K/DZ670M)		
C223	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
			(DZ570M/DZ665K/DZ670M)		
C227	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
			(DZ570M/DZ665K/DZ670M)		
C229	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
			(DZ570M/DZ665K/DZ670M)		
C230	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
			(DZ570M/DZ665K/DZ670M)		
C231	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
			(DZ570M/DZ665K/DZ670M)		
C232	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
			(DZ570M/DZ665K/DZ670M)		
C237	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
			(DZ570M/DZ665K/DZ670M)		
C238	1-126-965-11	ELECT	22uF	20%	50V
			(DZ570M/DZ665K/DZ670M)		
C239	1-126-947-11	ELECT	47uF	20%	35V
			(DZ570M/DZ665K/DZ670M)		
C240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
			(DZ570M/DZ665K/DZ670M)		
C241	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
			(DZ570M/DZ665K/DZ670M)		
C501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C505	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C508	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C509	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C511	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C516	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C517	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C518	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C520	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C521	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C522	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C523	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C524	1-104-658-11	ELECT	100uF	20%	10V
C525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C526	1-104-658-11	ELECT	100uF	20%	10V
C527	1-126-916-11	ELECT	1000uF	20%	6.3V
C528	1-126-916-11	ELECT	1000uF	20%	6.3V
C529	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

## HCD-DZ275M/DZ570M/DZ665K/DZ670M

## MAIN

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
C530	1-126-965-11	ELECT	22uF	20%	50V		C1146	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1147	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	
C532	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1148	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	
C533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1149	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C538	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		C1151	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C539	1-126-933-11	ELECT	100uF	20%	16V		C1152	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
C571	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C1153	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
C572	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1154	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C573	1-126-965-11	ELECT	22uF	20%	50V		C1155	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C574	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		C1156	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C581	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C1158	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C582	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1159	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C583	1-104-658-11	ELECT	100uF	20%	10V		C1160	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C584	1-126-933-11	ELECT	100uF	20%	16V		C1161	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C591	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C1162	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C592	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C1163	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C593	1-104-658-11	ELECT	100uF	20%	10V		C1164	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C594	1-126-933-11	ELECT	100uF	20%	16V		C1165	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C705	1-126-964-11	ELECT	10uF	20%	50V		C1169	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C706	1-126-964-11	ELECT	10uF	20%	50V		C1170	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V	
C707	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1171	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C708	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1172	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C717	1-126-964-11	ELECT	10uF	20%	50V		C1174	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C718	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1175	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1101	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C1176	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1102	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C1177	1-126-947-11	ELECT	47uF	20%	35V	
C1105	1-128-994-21	ELECT CHIP	47uF	20%	10V		C1179	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1106	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C1180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1108	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1181	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1109	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1182	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	
C1110	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1183	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V	
C1111	1-126-206-11	ELECT CHIP	100uF	20%	6.3V		C1184	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1112	1-128-994-21	ELECT CHIP	47uF	20%	10V		C1186	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	
C1113	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C1187	1-126-947-11	ELECT	47uF	20%	35V	
C1114	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1190	1-104-658-11	ELECT	100uF	20%	10V	
C1115	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1191	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1192	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1117	1-128-994-21	ELECT CHIP	47uF	20%	10V		C1193	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	
C1118	1-128-994-21	ELECT CHIP	47uF	20%	10V		C1195	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	
C1119	1-128-994-21	ELECT CHIP	47uF	20%	10V		C1197	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1120	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C1198	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
C1121	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C1199	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	
C1122	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C1203	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1123	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C1205	1-164-230-11	CERAMIC CHIP	220PF	5%	50V	
C1124	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C1206	1-164-230-11	CERAMIC CHIP	220PF	5%	50V	
C1125	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1126	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1209	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V	
C1127	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C1210	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1129	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		C1211	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V	
C1130	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1212	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1132	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1213	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1133	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1214	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C1135	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V		C1215	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1136	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C1217	1-126-947-11	ELECT	47uF	20%	35V	
C1137	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1218	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C1138	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		C1219	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1139	1-162-919-11	CERAMIC CHIP	22PF	5%	50V		C1220	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C1140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C1221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1144	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C1222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1145	1-124-779-00	ELECT CHIP	10uF	20%	16V		C1223	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C1224	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1225	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C3036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1226	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C3037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1233	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	C3038	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1725	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1726	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		(DZ570M/DZ665K/DZ670M)				C3051	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C1727	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3052	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1728	1-128-994-21	ELECT CHIP	47uF	20%	10V	C3053	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1729	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	C3054	1-126-933-11	ELECT	100uF	20%	16V
C1730	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	C3055	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1731	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	C3056	1-126-923-11	ELECT	220uF	20%	10V
C1732	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3057	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1733	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	C3058	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C1734	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	C3059	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2100	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3060	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C2101	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3071	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2102	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3072	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2103	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3073	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2108	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	C3091	1-126-934-11	ELECT	220uF	20%	16V
C2109	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C3100	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C2110	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C3103	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C2112	1-126-923-11	ELECT	220uF	20%	10V	C3104	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2114	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3105	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C2115	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	C3106	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C2116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3107	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C2117	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	C3108	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C2118	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3109	1-112-246-11	ELECT	100uF	20%	35V
C2119	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C3112	1-112-246-11	ELECT	100uF	20%	35V
C2130	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3113	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C2502	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V	C3114	1-137-198-81	FILM	1uF	5%	50V
C2503	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	C3115	1-137-198-81	FILM	1uF	5%	50V
C3000	1-126-382-11	ELECT	100uF	20%	16V	C3116	1-112-831-11	ELECT	2200uF	20%	35V
C3001	1-126-947-11	ELECT	47uF	20%	35V	C3117	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3002	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	C3122	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3003	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C3123	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3005	1-126-795-11	ELECT	10uF	20%	50V	C3124	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3011	1-126-947-11	ELECT	47uF	20%	35V	C3125	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3012	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3126	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3127	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3014	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3128	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3129	1-117-370-11	CERAMIC CHIP	10uF		10V
C3016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3150	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3017	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3153	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3154	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3155	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3156	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3021	1-126-947-11	ELECT	47uF	20%	35V	C3157	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3158	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3159	1-112-246-11	ELECT	100uF	20%	35V
C3024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3162	1-112-246-11	ELECT	100uF	20%	35V
C3025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3163	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3164	1-137-198-81	FILM	1uF	5%	50V
C3027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3165	1-137-198-81	FILM	1uF	5%	50V
C3028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3166	1-112-831-11	ELECT	2200uF	20%	35V
C3029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3167	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3172	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3031	1-126-947-11	ELECT	47uF	20%	35V	C3173	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3200	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3203	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						



## HCD-DZ275M/DZ570M/DZ665K/DZ670M

## MAIN

Ref. No.	Part No.	Description	Remark			
C3204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3205	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	
C3206	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	
C3207	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	
C3208	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3209	1-112-246-11	ELECT	100uF	20%	35V	
C3212	1-112-246-11	ELECT	100uF	20%	35V	
C3213	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3214	1-137-198-81	FILM	1uF	5%	50V	
C3215	1-137-198-81	FILM	1uF	5%	50V	
C3216	1-112-831-11	ELECT	2200uF	20%	35V	
C3217	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3250	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3253	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	
C3254	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3255	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	
C3256	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	
C3257	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	
C3258	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3259	1-112-246-11	ELECT	100uF	20%	35V	
C3262	1-112-246-11	ELECT	100uF	20%	35V	
C3263	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3264	1-137-198-81	FILM	1uF	5%	50V	
C3265	1-137-198-81	FILM	1uF	5%	50V	
C3266	1-112-831-11	ELECT	2200uF	20%	35V	
C3267	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3300	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3303	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	
C3304	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3305	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	
C3306	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	
C3307	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	
C3308	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3309	1-112-246-11	ELECT	100uF	20%	35V	
C3312	1-112-246-11	ELECT	100uF	20%	35V	
C3313	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3314	1-137-198-81	FILM	1uF	5%	50V	
C3315	1-137-198-81	FILM	1uF	5%	50V	
C3316	1-112-831-11	ELECT	2200uF	20%	35V	
C3317	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3322	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C3323	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C3400	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3403	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	
C3404	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3405	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	
C3406	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	
C3407	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	
C3408	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3409	1-112-246-11	ELECT	100uF	20%	35V	
C3412	1-112-246-11	ELECT	100uF	20%	35V	
C3413	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3414	1-137-198-81	FILM	1uF	5%	50V	
C3415	1-137-198-81	FILM	1uF	5%	50V	
C3416	1-112-831-11	ELECT	2200uF	20%	35V	
C3417	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	
C3422	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C3423	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C3500	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	(DZ665K/DZ670M)

Ref. No.	Part No.	Description	Remark			
C3503	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	(DZ665K/DZ670M)
C3504	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	(DZ665K/DZ670M)
C3505	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	(DZ665K/DZ670M)
C3506	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	(DZ665K/DZ670M)
C3507	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	(DZ665K/DZ670M)
C3508	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	(DZ665K/DZ670M)
C3509	1-112-246-11	ELECT	100uF	20%	35V	(DZ665K/DZ670M)
C3512	1-112-246-11	ELECT	100uF	20%	35V	(DZ665K/DZ670M)
C3513	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	(DZ665K/DZ670M)
C3514	1-137-198-81	FILM	1uF	5%	50V	(DZ665K/DZ670M)
C3515	1-137-198-81	FILM	1uF	5%	50V	(DZ665K/DZ670M)
C3516	1-112-831-11	ELECT	2200uF	20%	35V	(DZ665K/DZ670M)
C3517	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	(DZ665K/DZ670M)
C3551	1-126-960-11	ELECT	1uF	20%	50V	
C3552	1-126-964-11	ELECT	10uF	20%	50V	
C3553	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C3556	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C3561	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C3901	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C3902	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C3903	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C3904	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C3911	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	
C3912	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	
C3913	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	
C3914	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	
C4501	1-117-370-11	CERAMIC CHIP	10uF		10V	
C4503	1-104-658-11	ELECT	100uF	20%	10V	
C4504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C9972	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
< CONNECTOR >						
CN204	1-817-615-21	CONNECTOR, SQUARE TYPE (RECE) 18P (DMPORT) (DZ570M/DZ665K/DZ670M)				
CN502	1-820-117-41	CONNECTOR, FFC/FPC 19P				
CN504	1-784-861-51	CONNECTOR, FFC (LIF(NON-ZIF)) 9P				
CN601	1-820-119-41	CONNECTOR, FFC/FPC 21P				
CN651	1-779-285-11	CONNECTOR, FFC (LIF(NON-ZIF)) 17P (DZ570M/DZ665K/DZ670M)				
CN701	1-779-275-11	CONNECTOR, FFC (LIF(NON-ZIF)) 7P				
CN1101	1-815-763-32	CONNECTOR, FFC/FPC 24P				
* CN1105	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P				
* CN1201	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P				
CN1202	1-784-365-51	CONNECTOR, FFC/FPC 5P				
CN1701	1-821-755-11	CONNECTOR, HDMI 19P (HDMI OUT)				
CN2101	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P				
CN3000	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P				
CN4302	1-820-116-41	CONNECTOR, FFC/FPC 17P (DZ570M/DZ665K/DZ670M)				
CN4303	1-820-115-41	CONNECTOR, FFC/FPC 15P (DZ275M)				

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< DIODE >				< IC >	
D501	6-501-817-01	DIODE MA2J1110GLS0		IC201	6-712-613-01	IC SI-3010KM-TLS (DZ570M/DZ665K/DZ670M)	
D502	6-500-334-01	DIODE MC2836-T112-1		IC202	8-759-710-97	IC NJM4565M-D (DZ570M/DZ665K/DZ670M)	
D505	6-500-334-01	DIODE MC2836-T112-1		IC501	A-1545-464-A	IC R5F3640DDFAR (for SERVICE)	
D701	6-501-579-01	DIODE MC2837		IC502	6-705-338-01	IC TK11250CMCL-G	
D2101	6-501-749-01	DIODE MAZ8082G0LS0		IC503	6-708-922-01	IC PST3635NR	
D2102	6-501-740-01	DIODE MAZ8068G0LS0		IC504	6-712-613-01	IC SI-3010KM-TLS	
D2103	6-501-740-01	DIODE MAZ8068G0LS0		IC505	6-712-613-01	IC SI-3010KM-TLS	
D3071	6-501-817-01	DIODE MA2J1110GLS0		IC506	6-712-613-01	IC SI-3010KM-TLS	
D3072	6-501-817-01	DIODE MA2J1110GLS0		IC507	6-705-337-01	IC TK11150CSCL-G	
D3073	6-501-817-01	DIODE MA2J1110GLS0		IC510	(Not supplied)	IC S-24CS16A0I-J8T1G	
D3551	6-501-579-01	DIODE MC2837		IC707	6-710-554-01	IC PCM1808PWR	
D3552	6-501-774-01	DIODE MAZ8150G0LS0		IC1101	6-711-522-01	IC CXD9917R	
D4111	6-501-696-01	DIODE RSA39LTE25		IC1102	6-807-969-01	IC MX29LV320CBTC70-OH12-0801CE	
D4112	6-501-696-01	DIODE RSA39LTE25		IC1103	(Not supplied)	IC S-24CS64A0I-J8T1G	
D4151	6-501-696-01	DIODE RSA39LTE25		IC1104	6-707-897-01	IC EDS6416AHTA-75-E	
D4152	6-501-696-01	DIODE RSA39LTE25		IC1105	6-702-302-01	IC TK11133CSCL-G	
D4201	6-501-696-01	DIODE RSA39LTE25		IC1107	6-702-302-01	IC TK11133CSCL-G	
D4202	6-501-696-01	DIODE RSA39LTE25		IC1110	6-707-739-01	IC MM1661JTRE	
D4251	6-501-696-01	DIODE RSA39LTE25		IC1201	6-704-524-01	IC FAN8036L	
D4252	6-501-696-01	DIODE RSA39LTE25		IC1705	8-759-592-47	IC TC7SZ08FU(TE85R)	
D4301	6-501-696-01	DIODE RSA39LTE25		IC1706	8-759-592-47	IC TC7SZ08FU(TE85R)	(DZ570M/DZ665K/DZ670M)
D4302	6-501-696-01	DIODE RSA39LTE25		IC1707	6-705-337-01	IC TK11150CSCL-G	
D4401	6-501-696-01	DIODE RSA39LTE25		IC1708	6-702-302-01	IC TK11133CSCL-G	
D4402	6-501-696-01	DIODE RSA39LTE25		IC2101	8-759-700-07	IC NJM2903M	
D4501	6-501-696-01	DIODE RSA39LTE25 (DZ665K/DZ670M)		IC3003	8-759-680-48	IC TC7WH157FK(TE85R)	
D4502	6-501-696-01	DIODE RSA39LTE25 (DZ665K/DZ670M)		IC3010	6-705-979-01	IC CXD9788AR	
D9712	6-501-817-01	DIODE MA2J1110GLS0		IC3020	6-705-979-01	IC CXD9788AR	
		< FERRITE BEAD >		IC3030	6-705-979-01	IC CXD9788AR	
FB505	1-469-365-21	INDUCTOR, FERRITE BEAD FBMJ2125		IC3050	6-702-300-01	IC TK11118CSCL-G	
FB506	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3051	6-709-888-01	IC TC7WHU04FK(T5RSOYF)	
FB508	1-469-365-21	INDUCTOR, FERRITE BEAD FBMJ2125		IC3100	6-708-921-01	IC CXD9883M	
FB510	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3150	6-708-921-01	IC CXD9883M	
FB1106	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3200	6-708-921-01	IC CXD9883M	
FB1107	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3250	6-708-921-01	IC CXD9883M	
FB1108	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3300	6-708-921-01	IC CXD9883M	
FB1109	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3400	6-708-921-01	IC CXD9883M	
FB1111	1-469-670-21	FERRITE, EMI (SMD) (2012)		IC3500	6-708-921-01	IC CXD9883M (DZ665K/DZ670M)	
FB1112	1-469-670-21	FERRITE, EMI (SMD) (2012)		IC4502	6-707-853-01	IC TC74LCX541FT(EKJ)	
FB1113	1-469-670-21	FERRITE, EMI (SMD) (2012)				< COIL >	
FB1115	1-469-670-21	FERRITE, EMI (SMD) (2012)		L200	1-469-525-91	INDUCTOR 10uH	(DZ570M/DZ665K/DZ670M)
FB1116	1-469-670-21	FERRITE, EMI (SMD) (2012)		L701	1-469-525-91	INDUCTOR 10uH	
FB1117	1-469-670-21	FERRITE, EMI (SMD) (2012)		L1701	1-457-374-21	COIL, COMMON MODE CHOKE	
FB1118	1-469-670-21	FERRITE, EMI (SMD) (2012)		L1702	1-457-374-21	COIL, COMMON MODE CHOKE	
FB2101	1-469-324-21	FERRITE, EMI (SMD) (2012)		L1703	1-457-374-21	COIL, COMMON MODE CHOKE	
FB2102	1-469-379-11	FERRITE, EMI (SMD) (2012)		L1704	1-457-374-21	COIL, COMMON MODE CHOKE	
FB2103	1-469-324-21	FERRITE, EMI (SMD) (2012)		L2101	1-457-374-21	COIL, COMMON MODE CHOKE	
FB2104	1-469-379-11	FERRITE, EMI (SMD) (2012)		L3000	1-469-527-91	INDUCTOR 47uH	
FB2105	1-469-379-11	FERRITE, EMI (SMD) (2012)		L3051	1-469-525-91	INDUCTOR 10uH	
FB2120	1-469-118-21	FERRITE, EMI (SMD) (1608)		L3052	1-469-525-91	INDUCTOR 10uH	
FB2121	1-469-118-21	FERRITE, EMI (SMD) (1608)		L3053	1-469-525-91	INDUCTOR 10uH	
FB2122	1-469-118-21	FERRITE, EMI (SMD) (1608)		L3054	1-412-939-11	INDUCTOR 1uH	
FB2124	1-469-118-21	FERRITE, EMI (SMD) (1608)		L3101	1-457-579-11	COIL, CHOKE 10uH	
FB2125	1-469-118-21	FERRITE, EMI (SMD) (1608)		L3102	1-457-579-11	COIL, CHOKE 10uH	
		< FILTER >		L3201	1-457-579-11	COIL, CHOKE 10uH	
FL4501	1-234-177-21	FILTER, CHIP EMI		L3202	1-457-579-11	COIL, CHOKE 10uH	

When IC510 and IC1103 on the Main board are damaged, exchange the new Main board for the Main board which IC damaged.

## HCD-DZ275M/DZ570M/DZ665K/DZ670M

## MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
L3301	1-457-579-11	COIL, CHOKE 10uH		R228	1-218-879-11	METAL CHIP 22K 0.5% 1/10W	
L3401	1-457-579-11	COIL, CHOKE 10uH				(DZ570M/DZ665K/DZ670M)	
L3501	1-457-579-11	COIL, CHOKE 10uH (DZ665K/DZ670M)		R229	1-218-879-11	METAL CHIP 22K 0.5% 1/10W	
L3901	1-457-078-11	COIL, AIR-CORE				(DZ570M/DZ665K/DZ670M)	
L3902	1-457-077-11	COIL, AIR-CORE		R230	1-218-879-11	METAL CHIP 22K 0.5% 1/10W	
						(DZ570M/DZ665K/DZ670M)	
L3903	1-457-078-11	COIL, AIR-CORE		R231	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
L3904	1-457-077-11	COIL, AIR-CORE				(DZ570M/DZ665K/DZ670M)	
L4501	1-469-527-91	INDUCTOR 47uH		R232	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
						(DZ570M/DZ665K/DZ670M)	
		< TRANSISTOR >					
Q503	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R501	1-216-857-11	METAL CHIP 1M 5% 1/10W	
Q631	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R504	1-216-841-11	METAL CHIP 47K 5% 1/10W	
Q632	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R505	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
Q1101	6-550-008-01	FET UM6K1N-TN		R506	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q1102	6-550-653-01	TRANSISTOR QST8TR				(DZ275M)	
				R506	1-216-841-11	METAL CHIP 47K 5% 1/10W	
						(DZ570M)	
Q1103	8-729-027-52	TRANSISTOR DTC124EKA-T146					
Q1701	6-550-008-01	FET UM6K1N-TN		R507	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
Q3000	8-729-111-29	TRANSISTOR 2SD1616A-K				(DZ665K/DZ670M)	
Q3001	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R507	1-216-835-11	METAL CHIP 15K 5% 1/10W	
Q3002	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF				(DZ570M)	
				R507	1-216-841-11	METAL CHIP 47K 5% 1/10W	
						(DZ275M)	
Q3101	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		R508	1-216-864-11	SHORT CHIP 0	
Q3102	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		R509	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q3151	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF					
Q3152	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF					
Q3201	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		R510	1-216-833-11	METAL CHIP 10K 5% 1/10W	
				R511	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q3202	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		R512	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q3251	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		R513	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q3252	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		R514	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q3301	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF					
Q3302	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		R515	1-216-821-11	METAL CHIP 1K 5% 1/10W	
				R516	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q3401	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		R517	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q3402	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		R518	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q3551	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R519	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q3552	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF					
Q3553	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R526	1-216-821-11	METAL CHIP 1K 5% 1/10W	
				R527	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q3554	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R528	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q3555	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R529	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q9724	6-551-699-01	TRANSISTOR ISA1602AM1TP-1EF		R530	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q9726	8-729-620-13	TRANSISTOR 2SC4154TP-1EF					
Q9728	8-729-620-13	TRANSISTOR 2SC4154TP-1EF		R531	1-216-833-11	METAL CHIP 10K 5% 1/10W	
				R532	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q9729	8-729-027-43	TRANSISTOR DTC114EKA-T146		R533	1-216-809-11	METAL CHIP 100 5% 1/10W	
				R534	1-216-833-11	METAL CHIP 10K 5% 1/10W	
		< RESISTOR >		R535	1-216-809-11	METAL CHIP 100 5% 1/10W	
R203	1-218-879-11	METAL CHIP 22K 0.5% 1/10W		R536	1-216-864-11	SHORT CHIP 0	
		(DZ570M/DZ665K/DZ670M)		R537	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R208	1-218-879-11	METAL CHIP 22K 0.5% 1/10W		R539	1-216-833-11	METAL CHIP 10K 5% 1/10W	
		(DZ570M/DZ665K/DZ670M)		R540	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R214	1-218-879-11	METAL CHIP 22K 0.5% 1/10W		R541	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		(DZ570M/DZ665K/DZ670M)					
R215	1-218-879-11	METAL CHIP 22K 0.5% 1/10W		R542	1-216-833-11	METAL CHIP 10K 5% 1/10W	
		(DZ570M/DZ665K/DZ670M)		R543	1-216-864-11	SHORT CHIP 0 (DZ570M/DZ665K/DZ670M)	
R220	1-216-821-11	METAL CHIP 1K 5% 1/10W		R544	1-216-833-11	METAL CHIP 10K 5% 1/10W	
		(DZ570M/DZ665K/DZ670M)		R546	1-216-821-11	METAL CHIP 1K 5% 1/10W	
				R547	1-216-864-11	SHORT CHIP 0	
R221	1-218-847-11	METAL CHIP 1K 0.5% 1/10W					
		(DZ570M/DZ665K/DZ670M)		R548	1-216-864-11	SHORT CHIP 0	
R222	1-218-885-11	METAL CHIP 39K 0.5% 1/10W		R549	1-218-885-11	METAL CHIP 39K 0.5% 1/10W	
		(DZ570M/DZ665K/DZ670M)		R551	1-216-809-11	METAL CHIP 100 5% 1/10W	
R223	1-218-871-11	METAL CHIP 10K 0.5% 1/10W		R552	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		(DZ570M/DZ665K/DZ670M)		R553	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R227	1-218-879-11	METAL CHIP 22K 0.5% 1/10W				(DZ570M/DZ665K/DZ670M)	
		(DZ570M/DZ665K/DZ670M)					
				R555	1-216-833-11	METAL CHIP 10K 5% 1/10W	



Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R556	1-216-841-11	METAL CHIP	47K	5%	1/10W	R631	1-216-833-11	METAL CHIP	10K	5%	1/10W
R557	1-216-841-11	METAL CHIP	47K	5%	1/10W	R632	1-216-841-11	METAL CHIP	47K	5%	1/10W
R558	1-216-833-11	METAL CHIP	10K	5%	1/10W	R633	1-216-864-11	SHORT CHIP	0		
R559	1-216-833-11	METAL CHIP	10K	5%	1/10W	R634	1-216-864-11	SHORT CHIP	0		
R560	1-216-833-11	METAL CHIP	10K	5%	1/10W	R635	1-216-809-11	METAL CHIP	100	5%	1/10W
R561	1-216-845-11	METAL CHIP	100K	5%	1/10W	R636	1-216-864-11	SHORT CHIP	0		
R562	1-216-841-11	METAL CHIP	47K	5%	1/10W	R637	1-216-809-11	METAL CHIP	100	5%	1/10W
R563	1-216-833-11	METAL CHIP	10K	5%	1/10W	R638	1-216-864-11	SHORT CHIP	0 (DZ570M/DZ665K/DZ670M)		
R564	1-216-864-11	SHORT CHIP	0			R639	1-216-809-11	METAL CHIP	100	5%	1/10W
R565	1-216-864-11	SHORT CHIP	0								(DZ570M/DZ665K/DZ670M)
R566	1-216-864-11	SHORT CHIP	0			R648	1-216-864-11	SHORT CHIP	0		
R567	1-216-864-11	SHORT CHIP	0			R650	1-216-809-11	METAL CHIP	100	5%	1/10W
R568	1-216-864-11	SHORT CHIP	0			R651	1-216-809-11	METAL CHIP	100	5%	1/10W
R569	1-216-864-11	SHORT CHIP	0								(DZ570M/DZ665K/DZ670M)
R572	1-218-851-11	METAL CHIP	1.5K	0.5%	1/10W	R652	1-216-809-11	METAL CHIP	100	5%	1/10W
											(DZ570M/DZ665K/DZ670M)
R573	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R654	1-216-809-11	METAL CHIP	100	5%	1/10W
R576	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						(DZ570M/DZ665K/DZ670M)
R577	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R655	1-216-809-11	METAL CHIP	100	5%	1/10W
R578	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						(DZ570M/DZ665K/DZ670M)
R579	1-216-809-11	METAL CHIP	100	5%	1/10W						
R580	1-216-809-11	METAL CHIP	100	5%	1/10W	R656	1-216-809-11	METAL CHIP	100	5%	1/10W
R581	1-216-809-11	METAL CHIP	100	5%	1/10W						(DZ570M/DZ665K/DZ670M)
R582	1-216-833-11	METAL CHIP	10K	5%	1/10W	R657	1-216-809-11	METAL CHIP	100	5%	1/10W
R583	1-216-841-11	METAL CHIP	47K	5%	1/10W						(DZ570M/DZ665K/DZ670M)
R584	1-216-821-11	METAL CHIP	1K	5%	1/10W	R660	1-216-864-11	SHORT CHIP	0 (DZ570M/DZ665K/DZ670M)		
						R661	1-216-864-11	SHORT CHIP	0 (DZ570M/DZ665K/DZ670M)		
R586	1-216-833-11	METAL CHIP	10K	5%	1/10W	R662	1-216-809-11	METAL CHIP	100	5%	1/10W
R587	1-218-871-11	METAL CHIP	10K	0.5%	1/10W						(DZ570M/DZ665K/DZ670M)
R588	1-218-885-11	METAL CHIP	39K	0.5%	1/10W	R663	1-216-809-11	METAL CHIP	100	5%	1/10W
R589	1-218-847-11	METAL CHIP	1K	0.5%	1/10W						(DZ570M/DZ665K/DZ670M)
R590	1-216-821-11	METAL CHIP	1K	5%	1/10W	R664	1-216-809-11	METAL CHIP	100	5%	1/10W
											(DZ570M/DZ665K/DZ670M)
R592	1-216-864-11	SHORT CHIP	0			R666	1-216-809-11	METAL CHIP	100	5%	1/10W
R593	1-216-833-11	METAL CHIP	10K	5%	1/10W						(DZ570M/DZ665K/DZ670M)
R595	1-216-833-11	METAL CHIP	10K	5%	1/10W	R667	1-216-809-11	METAL CHIP	100	5%	1/10W
R596	1-218-871-11	METAL CHIP	10K	0.5%	1/10W						(DZ570M/DZ665K/DZ670M)
R597	1-218-879-11	METAL CHIP	22K	0.5%	1/10W	R683	1-216-809-11	METAL CHIP	100	5%	1/10W
											(DZ570M/DZ665K/DZ670M)
R598	1-218-851-11	METAL CHIP	1.5K	0.5%	1/10W	R685	1-216-864-11	SHORT CHIP	0 (DZ570M/DZ665K/DZ670M)		
R599	1-216-821-11	METAL CHIP	1K	5%	1/10W	R690	1-216-809-11	METAL CHIP	100	5%	1/10W
R601	1-216-809-11	METAL CHIP	100	5%	1/10W						(DZ570M/DZ665K/DZ670M)
R602	1-216-809-11	METAL CHIP	100	5%	1/10W	R691	1-216-864-11	SHORT CHIP	0		
R603	1-216-809-11	METAL CHIP	100	5%	1/10W	R692	1-216-864-11	SHORT CHIP	0		
						R693	1-216-864-11	SHORT CHIP	0		
R604	1-216-809-11	METAL CHIP	100	5%	1/10W	R694	1-216-864-11	SHORT CHIP	0		
R605	1-216-809-11	METAL CHIP	100	5%	1/10W	R695	1-216-864-11	SHORT CHIP	0		
R606	1-216-809-11	METAL CHIP	100	5%	1/10W	R696	1-216-864-11	SHORT CHIP	0		
R607	1-216-809-11	METAL CHIP	100	5%	1/10W	R697	1-216-864-11	SHORT CHIP	0		
R608	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R709	1-216-864-11	SHORT CHIP	0		
R609	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
R611	1-216-809-11	METAL CHIP	100	5%	1/10W	R721	1-216-864-11	SHORT CHIP	0		
R612	1-216-809-11	METAL CHIP	100	5%	1/10W	R778	1-216-864-11	SHORT CHIP	0		
R613	1-216-809-11	METAL CHIP	100	5%	1/10W	R780	1-216-805-11	METAL CHIP	47	5%	1/10W
R614	1-216-809-11	METAL CHIP	100	5%	1/10W	R781	1-216-805-11	METAL CHIP	47	5%	1/10W
						R782	1-216-801-11	METAL CHIP	22	5%	1/10W
R615	1-216-809-11	METAL CHIP	100	5%	1/10W						
R616	1-216-809-11	METAL CHIP	100	5%	1/10W	R783	1-216-801-11	METAL CHIP	22	5%	1/10W
R617	1-216-809-11	METAL CHIP	100	5%	1/10W	R784	1-216-801-11	METAL CHIP	22	5%	1/10W
R618	1-216-809-11	METAL CHIP	100	5%	1/10W	R785	1-216-801-11	METAL CHIP	22	5%	1/10W
R619	1-216-864-11	SHORT CHIP	0			R787	1-216-809-11	METAL CHIP	100	5%	1/10W
											(DZ570M/DZ665K/DZ670M)
R620	1-216-809-11	METAL CHIP	100	5%	1/10W	R788	1-216-864-11	SHORT CHIP	0		
R621	1-216-809-11	METAL CHIP	100	5%	1/10W						
					(DZ570M/DZ665K/DZ670M)	R790	1-216-864-11	SHORT CHIP	0		
R626	1-216-833-11	METAL CHIP	10K	5%	1/10W	R791	1-216-864-11	SHORT CHIP	0		
R627	1-216-837-11	METAL CHIP	22K	5%	1/10W	R793	1-216-864-11	SHORT CHIP	0		
R628	1-216-841-11	METAL CHIP	47K	5%	1/10W						

## HCD-DZ275M/DZ570M/DZ665K/DZ670M

## MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R794	1-216-864-11	SHORT CHIP	0			R1208	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1101	1-216-809-11	METAL CHIP	100	5%	1/10W	R1209	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1102	1-216-864-11	SHORT CHIP	0			R1210	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1103	1-218-864-11	METAL CHIP	5.1K	0.5%	1/10W	R1212	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1213	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1106	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1214	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1107	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1215	1-216-834-11	METAL CHIP	12K	5%	1/10W
R1108	1-216-857-11	METAL CHIP	1M	5%	1/10W	R1216	1-216-834-11	METAL CHIP	12K	5%	1/10W
R1109	1-216-864-11	SHORT CHIP	0			R1219	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1110	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1220	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1111	1-216-809-11	METAL CHIP	100	5%	1/10W	R1221	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R1112	1-211-977-11	METAL CHIP	22	0.5%	1/10W	R1222	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1113	1-211-977-11	METAL CHIP	22	0.5%	1/10W	R1223	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R1114	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1224	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1115	1-211-977-11	METAL CHIP	22	0.5%	1/10W	R1225	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R1116	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1226	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R1117	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1227	1-216-864-11	SHORT CHIP	0		
R1118	1-216-801-11	METAL CHIP	22	5%	1/10W	R1228	1-216-864-11	SHORT CHIP	0		
R1120	1-216-801-11	METAL CHIP	22	5%	1/10W	R1230	1-218-893-11	METAL CHIP	82K	0.5%	1/10W
R1121	1-216-801-11	METAL CHIP	22	5%	1/10W	R1231	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R1123	1-216-864-11	SHORT CHIP	0			R1232	1-218-877-11	METAL CHIP	18K	0.5%	1/10W
R1124	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1233	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R1125	1-216-805-11	METAL CHIP	47	5%	1/10W	R1234	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1132	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1236	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1133	1-216-864-11	SHORT CHIP	0			R1237	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1135	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1238	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1136	1-216-835-11	METAL CHIP	15K	5%	1/10W	R1239	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1137	1-216-864-11	SHORT CHIP	0			R1243	1-216-805-11	METAL CHIP	47	5%	1/10W
R1139	1-216-864-11	SHORT CHIP	0			R1246	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1140	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1247	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1141	1-216-855-11	METAL CHIP	680K	5%	1/10W	R1730	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R1142	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1742	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1145	1-216-864-11	SHORT CHIP	0			R1743	1-216-864-11	SHORT CHIP	0 (DZ570M/DZ665K/DZ670M)		
R1146	1-216-805-11	METAL CHIP	47	5%	1/10W	R1744	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1147	1-216-864-11	SHORT CHIP	0								(DZ275M)
R1148	1-216-864-11	SHORT CHIP	0			R1747	1-216-864-11	SHORT CHIP	0		
R1151	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1748	1-216-864-11	SHORT CHIP	0		
R1152	1-216-864-11	SHORT CHIP	0			R1749	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R1153	1-216-864-11	SHORT CHIP	0			R1750	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R1154	1-216-864-11	SHORT CHIP	0			R1751	1-216-864-11	SHORT CHIP	0		
R1155	1-216-864-11	SHORT CHIP	0			R1752	1-216-864-11	SHORT CHIP	0		
R1156	1-216-809-11	METAL CHIP	100	5%	1/10W	R1753	1-216-864-11	SHORT CHIP	0		
R1159	1-216-805-11	METAL CHIP	47	5%	1/10W	R1754	1-216-864-11	SHORT CHIP	0		
R1160	1-216-805-11	METAL CHIP	47	5%	1/10W	R1757	1-216-864-11	SHORT CHIP	0 (DZ275M)		
R1161	1-216-801-11	METAL CHIP	22	5%	1/10W	R1781	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1171	1-216-809-11	METAL CHIP	100	5%	1/10W	R1782	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1175	1-216-864-11	SHORT CHIP	0			R1783	1-216-864-11	SHORT CHIP	0		
R1176	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1784	1-216-864-11	SHORT CHIP	0		
R1181	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1785	1-216-864-11	SHORT CHIP	0		
R1182	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1786	1-216-864-11	SHORT CHIP	0		
R1183	1-216-805-11	METAL CHIP	47	5%	1/10W	R2101	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R1184	1-216-805-11	METAL CHIP	47	5%	1/10W	R2103	1-216-864-11	SHORT CHIP	0		
R1185	1-216-805-11	METAL CHIP	47	5%	1/10W	R2104	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1191	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2108	1-216-864-11	SHORT CHIP	0		
R1193	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2110	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R1198	1-216-809-11	METAL CHIP	100	5%	1/10W	R2111	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1204	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R2112	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1205	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2114	1-216-801-11	METAL CHIP	22	5%	1/10W
R1206	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2115	1-216-864-11	SHORT CHIP	0		
R1207	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R2116	1-216-864-11	SHORT CHIP	0		
						R2119	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
R2121	1-216-864-11	SHORT CHIP	0				R3037	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2123	1-216-864-11	SHORT CHIP	0				R3040	1-216-864-11	SHORT CHIP	0			
R2127	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3041	1-216-864-11	SHORT CHIP	0			
R2128	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3042	1-216-864-11	SHORT CHIP	0			
R2129	1-216-845-11	METAL CHIP	100K	5%	1/10W		R3043	1-216-864-11	SHORT CHIP	0			
R2133	1-216-864-11	SHORT CHIP	0				R3044	1-216-864-11	SHORT CHIP	0			
R2134	1-216-864-11	SHORT CHIP	0				R3047	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2135	1-216-805-11	METAL CHIP	47	5%	1/10W		R3049	1-216-864-11	SHORT CHIP	0			
R2137	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3050	1-216-864-11	SHORT CHIP	0			
R2138	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3051	1-216-097-11	RES-CHIP	100K	5%	1/10W	
R2150	1-216-827-11	METAL CHIP	3.3K	5%	1/10W		R3052	1-216-857-11	METAL CHIP	1M	5%	1/10W	
R2151	1-216-827-11	METAL CHIP	3.3K	5%	1/10W		R3053	1-216-817-11	METAL CHIP	470	5%	1/10W	
R2152	1-216-827-11	METAL CHIP	3.3K	5%	1/10W		R3054	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2155	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3055	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2156	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3057	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2157	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3058	1-216-864-11	SHORT CHIP	0			
R2158	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3059	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2159	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3060	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2160	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3061	1-216-864-11	SHORT CHIP	0			
R2167	1-216-864-11	SHORT CHIP	0				R3063	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R2168	1-216-815-11	METAL CHIP	330	5%	1/10W		R3064	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R2176	1-216-864-11	SHORT CHIP	0				R3065	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2177	1-216-864-11	SHORT CHIP	0				R3066	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2178	1-216-821-11	METAL CHIP	1K	5%	1/10W		R3067	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2179	1-216-809-11	METAL CHIP	100	5%	1/10W		R3068	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2180	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3069	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2181	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3070	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2182	1-216-864-11	SHORT CHIP	0				R3071	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2184	1-216-809-11	METAL CHIP	100	5%	1/10W		R3072	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2185	1-216-809-11	METAL CHIP	100	5%	1/10W		R3073	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2188	1-216-864-11	SHORT CHIP	0				R3074	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2189	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3075	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2191	1-245-287-11	METAL CHIP	0.1	1%	1W		R3076	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2192	1-218-835-11	METAL CHIP	330	0.5%	1/10W		R3077	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2193	1-218-883-11	METAL CHIP	33K	0.5%	1/10W		R3078	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2194	1-218-883-11	METAL CHIP	33K	0.5%	1/10W		R3079	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2195	1-216-809-11	METAL CHIP	100	5%	1/10W		R3080	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R2201	1-216-864-11	SHORT CHIP	0				R3097	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2203	1-216-864-11	SHORT CHIP	0				R3101	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2746	1-216-864-11	SHORT CHIP	0				R3102	1-216-809-11	METAL CHIP	100	5%	1/10W	
R3001	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3103	1-216-864-11	SHORT CHIP	0			
R3002	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3104	1-216-864-11	SHORT CHIP	0			
R3003	1-216-821-11	METAL CHIP	1K	5%	1/10W		R3107	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R3004	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		R3115	1-216-864-11	SHORT CHIP	0			
R3011	1-216-817-11	METAL CHIP	470	5%	1/10W		R3116	1-216-864-11	SHORT CHIP	0			
R3012	1-216-817-11	METAL CHIP	470	5%	1/10W		R3125	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R3013	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3126	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R3014	1-216-801-11	METAL CHIP	22	5%	1/10W		R3127	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R3015	1-216-809-11	METAL CHIP	100	5%	1/10W		R3151	1-216-809-11	METAL CHIP	100	5%	1/10W	
R3017	1-216-809-11	METAL CHIP	100	5%	1/10W		R3152	1-216-809-11	METAL CHIP	100	5%	1/10W	
R3021	1-216-817-11	METAL CHIP	470	5%	1/10W		R3153	1-216-864-11	SHORT CHIP	0			
R3022	1-216-817-11	METAL CHIP	470	5%	1/10W		R3154	1-216-864-11	SHORT CHIP	0			
R3023	1-216-801-11	METAL CHIP	22	5%	1/10W		R3157	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R3024	1-216-809-11	METAL CHIP	100	5%	1/10W		R3165	1-216-864-11	SHORT CHIP	0			
R3026	1-216-809-11	METAL CHIP	100	5%	1/10W		R3166	1-216-864-11	SHORT CHIP	0			
R3031	1-216-817-11	METAL CHIP	470	5%	1/10W		R3175	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R3032	1-216-817-11	METAL CHIP	470	5%	1/10W		R3176	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R3033	1-216-833-11	METAL CHIP	10K	5%	1/10W		R3177	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R3034	1-216-801-11	METAL CHIP	22	5%	1/10W		R3201	1-216-809-11	METAL CHIP	100	5%	1/10W	
R3035	1-216-809-11	METAL CHIP	100	5%	1/10W		R3202	1-216-809-11	METAL CHIP	100	5%	1/10W	

## HCD-DZ275M/DZ570M/DZ665K/DZ670M

## MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R3203	1-216-864-11	SHORT CHIP	0			R3902	1-216-296-11	SHORT CHIP	0		
R3204	1-216-864-11	SHORT CHIP	0			R3905	1-216-296-11	SHORT CHIP	0		
R3207	1-216-835-11	METAL CHIP	15K	5%	1/10W	R3906	1-216-296-11	SHORT CHIP	0		
R3215	1-216-864-11	SHORT CHIP	0			R3907	1-216-864-11	SHORT CHIP	0		
R3216	1-216-864-11	SHORT CHIP	0			R3911	1-216-864-11	SHORT CHIP	0		
R3225	1-216-845-11	METAL CHIP	100K	5%	1/10W	R3912	1-216-864-11	SHORT CHIP	0		
R3226	1-216-845-11	METAL CHIP	100K	5%	1/10W	R3913	1-216-864-11	SHORT CHIP	0		
R3227	1-216-845-11	METAL CHIP	100K	5%	1/10W	R3914	1-216-864-11	SHORT CHIP	0		
R3251	1-216-809-11	METAL CHIP	100	5%	1/10W	R3917	1-216-864-11	SHORT CHIP	0		
R3252	1-216-809-11	METAL CHIP	100	5%	1/10W	R3918	1-216-864-11	SHORT CHIP	0		
R3253	1-216-864-11	SHORT CHIP	0			R3919	1-216-864-11	SHORT CHIP	0		
R3254	1-216-864-11	SHORT CHIP	0			R3920	1-216-864-11	SHORT CHIP	0 (DZ665K/DZ670M)		
R3257	1-216-835-11	METAL CHIP	15K	5%	1/10W	R3921	1-216-864-11	SHORT CHIP	0 (DZ665K/DZ670M)		
R3265	1-216-864-11	SHORT CHIP	0			R4501	1-216-801-11	METAL CHIP	22	5%	1/10W
R3266	1-216-864-11	SHORT CHIP	0			R4502	1-216-801-11	METAL CHIP	22	5%	1/10W
R3275	1-216-845-11	METAL CHIP	100K	5%	1/10W	R4510	1-216-805-11	METAL CHIP	47	5%	1/10W
R3276	1-216-845-11	METAL CHIP	100K	5%	1/10W	R4511	1-216-803-11	METAL CHIP	33	5%	1/10W
R3277	1-216-845-11	METAL CHIP	100K	5%	1/10W	R4512	1-216-805-11	METAL CHIP	47	5%	1/10W
R3301	1-216-809-11	METAL CHIP	100	5%	1/10W	R4513	1-216-805-11	METAL CHIP	47	5%	1/10W
R3302	1-216-809-11	METAL CHIP	100	5%	1/10W	R4514	1-216-805-11	METAL CHIP	47	5%	1/10W
R3303	1-216-864-11	SHORT CHIP	0			R4515	1-216-805-11	METAL CHIP	47	5%	1/10W
R3304	1-216-864-11	SHORT CHIP	0			R4516	1-216-805-11	METAL CHIP	47	5%	1/10W
R3307	1-216-835-11	METAL CHIP	15K	5%	1/10W	R4518	1-216-864-11	SHORT CHIP	0		
R3315	1-216-864-11	SHORT CHIP	0			R4716	1-216-864-11	SHORT CHIP	0		
R3316	1-216-864-11	SHORT CHIP	0			R4717	1-216-864-11	SHORT CHIP	0		
R3325	1-216-845-11	METAL CHIP	100K	5%	1/10W	R4718	1-216-864-11	SHORT CHIP	0		
R3326	1-216-845-11	METAL CHIP	100K	5%	1/10W	R4719	1-216-864-11	SHORT CHIP	0		
R3327	1-216-845-11	METAL CHIP	100K	5%	1/10W	R4721	1-216-864-11	SHORT CHIP	0		
R3401	1-216-809-11	METAL CHIP	100	5%	1/10W (DZ665K/DZ670M)	R4805	1-216-801-11	METAL CHIP	22	5%	1/10W
R3402	1-216-809-11	METAL CHIP	100	5%	1/10W (DZ665K/DZ670M)	R9918	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3403	1-216-864-11	SHORT CHIP	0			R9920	1-216-864-11	SHORT CHIP	0		
R3404	1-216-864-11	SHORT CHIP	0			R9922	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3407	1-216-835-11	METAL CHIP	15K	5%	1/10W	R9924	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3415	1-216-864-11	SHORT CHIP	0			R9928	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3416	1-216-864-11	SHORT CHIP	0			R9929	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3425	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9934	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3426	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9935	1-216-864-11	SHORT CHIP	0		
R3427	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9941	1-216-838-11	METAL CHIP	27K	5%	1/10W
R3501	1-216-809-11	METAL CHIP	100	5%	1/10W	R9945	1-216-813-11	METAL CHIP	220	5%	1/10W
R3502	1-216-809-11	METAL CHIP	100	5%	1/10W	< NETWORK RESISTOR >					
R3503	1-216-864-11	SHORT CHIP	0 (DZ665K/DZ670M)			RB1103	1-234-400-21	CONDUCTOR, NETWORK 0X4 (1005)			
R3504	1-216-864-11	SHORT CHIP	0 (DZ665K/DZ670M)			RB1104	1-234-400-21	CONDUCTOR, NETWORK 0X4 (1005)			
R3507	1-216-835-11	METAL CHIP	15K	5%	1/10W (DZ665K/DZ670M)	RB1105	1-234-944-21	RES, NETWORK 47X4 (1005)			
R3515	1-216-864-11	SHORT CHIP	0 (DZ665K/DZ670M)			RB1106	1-234-944-21	RES, NETWORK 47X4 (1005)			
R3516	1-216-864-11	SHORT CHIP	0 (DZ665K/DZ670M)			RB1107	1-234-944-21	RES, NETWORK 47X4 (1005)			
R3551	1-216-845-11	METAL CHIP	100K	5%	1/10W	RB1108	1-234-944-21	RES, NETWORK 47X4 (1005)			
R3552	1-216-837-11	METAL CHIP	22K	5%	1/10W	RB1109	1-234-400-21	CONDUCTOR, NETWORK 0X4 (1005)			
R3553	1-216-833-11	METAL CHIP	10K	5%	1/10W	RB1110	1-234-400-21	CONDUCTOR, NETWORK 0X4 (1005)			
R3554	1-216-845-11	METAL CHIP	100K	5%	1/10W	RB1111	1-234-400-21	CONDUCTOR, NETWORK 0X4 (1005)			
R3555	1-216-864-11	SHORT CHIP	0			RB1112	1-234-400-21	CONDUCTOR, NETWORK 0X4 (1005)			
R3556	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	RB1113	1-234-400-21	CONDUCTOR, NETWORK 0X4 (1005)			
R3558	1-216-833-11	METAL CHIP	10K	5%	1/10W	RB1114	1-234-400-21	CONDUCTOR, NETWORK 0X4 (1005)			
R3559	1-216-833-11	METAL CHIP	10K	5%	1/10W	RB1115	1-234-400-21	CONDUCTOR, NETWORK 0X4 (1005)			
R3560	1-216-864-11	SHORT CHIP	0			< TERMINAL BOARD >					
R3561	1-216-841-11	METAL CHIP	47K	5%	1/10W	TB3901	1-780-453-11	TERMINAL BOARD (SPEAKER) 2P (SPEAKER (CENTER,SUBWOOFER))			
R3562	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R3563	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R3901	1-216-296-11	SHORT CHIP	0								

MAIN

MS-203

POWER

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< VIBRATOR >					
X501	1-795-058-21	VIBRATOR, CERAMIC (5MHz)		C943	1-126-934-11	ELECT 220uF 20% 16V	
X1101	1-795-630-11	VIBRATOR, CRYSTAL (27MHz)		C945	1-126-935-11	ELECT 470uF 20% 16V	
X3051	1-795-660-21	QUARTZ CRYSTAL UNIT (49.1MHz)		C948	1-126-925-11	ELECT 470uF 20% 10V	
*****				C950	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
		MS-203 BOARD		C951	1-100-566-11	CERAMIC CHIP 0.1uF 10% 25V	
		*****		△ C963	1-112-869-51	CERAMIC 470PF 10% 250V	
		< CONNECTOR >		△ C964	1-112-869-51	CERAMIC 470PF 10% 250V	
CN001	1-815-412-11	CONNECTOR, FFC/FPC 5P		C969	1-100-566-11	CERAMIC CHIP 0.1uF 10% 25V	
		< SWITCH >		C970	1-100-566-11	CERAMIC CHIP 0.1uF 10% 25V	
S001	1-786-693-11	SWITCH, DETECTION (CHUCK/TRAY DETECT)		C971	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
*****				C975	1-100-566-11	CERAMIC CHIP 0.1uF 10% 25V	
	A-1382-421-A	POWER BOARD, COMPLETE (DZ275M)		C976	1-126-933-11	ELECT 100uF 20% 16V	
	A-1392-694-A	POWER BOARD, COMPLETE (DZ570M/DZ665K/DZ670M)		C983	1-104-760-11	CERAMIC CHIP 0.047uF 10% 50V	
		*****		C984	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
	1-533-217-41	HOLDER, FUSE		C987	1-100-566-11	CERAMIC CHIP 0.1uF 10% 25V	(DZ570M/DZ665K/DZ670M)
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		C990	1-100-566-11	CERAMIC CHIP 0.1uF 10% 25V	
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3		C991	1-100-566-11	CERAMIC CHIP 0.1uF 10% 25V	
		< CAPACITOR >		C992	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
△ C901	1-165-529-11	MYLAR 0.22uF 10% 275V		C993	1-100-566-11	CERAMIC CHIP 0.1uF 10% 25V	
△ C902	1-165-529-11	MYLAR 0.22uF 10% 275V		C995	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
△ C903	1-112-333-11	ELECT(BLOCK) 330uF 20% 450V		C996	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V	
△ C905	1-112-335-11	FILM 0.0033uF 5% 400V		C997	1-115-339-11	CERAMIC CHIP 0.1uF 10% 50V	
△ C906	1-117-815-11	FILM 0.001uF 3% 1.5KV				< CONNECTOR >	
C907	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V		CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
C908	1-104-962-11	ELECT 47uF 20% 35V		CN904	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P	
C909	1-162-960-11	CERAMIC CHIP 220PF 10% 50V		* CN906	1-564-715-11	PIN, CONNECTOR (SMALL TYPE) 13P	
C910	1-107-907-11	ELECT 22uF 20% 50V		CN908	1-564-505-11	PLUG, CONNECTOR 2P	(DZ570M/DZ665K/DZ670M)
C911	1-162-968-11	CERAMIC CHIP 0.0047uF 10% 50V				< DIODE >	
C912	1-126-947-11	ELECT 47uF 20% 35V		D901	8-719-082-57	DIODE D5SBA60F01	
△ C913	1-112-866-51	CERAMIC 100PF 10% 250V		D902	8-719-063-74	DIODE D1NL20U-TR2	
C916	1-100-566-11	CERAMIC CHIP 0.1uF 10% 25V		D903	6-500-241-01	DIODE SARS03	
△ C918	1-112-887-51	CERAMIC 0.01uF 20% 250V		D905	8-719-063-74	DIODE D1NL20U-TR2	
△ C920	1-112-887-51	CERAMIC 0.01uF 20% 250V		D906	6-501-817-01	DIODE MA2J1110GLS0	
△ C921	1-117-220-81	CERAMIC 150PF 5% 2KV		D907	6-501-817-01	DIODE MA2J1110GLS0	
C922	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V		D908	6-501-817-01	DIODE MA2J1110GLS0	
C923	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V		D909	6-501-817-01	DIODE MA2J1110GLS0	
△ C924	1-112-335-11	FILM 0.0033uF 5% 400V		D910	6-501-817-01	DIODE MA2J1110GLS0	
△ C925	1-107-974-81	CERAMIC 47PF 5% 2KV		D911	8-719-510-12	DIODE D10SC4M	
△ C926	1-128-560-11	ELECT 22uF 20% 100V		D912	8-719-510-41	DIODE D10SC9M	
C927	1-128-947-31	ELECT 3300uF 20% 10V		△ D913	6-500-241-01	DIODE SARS03	
C928	1-137-947-21	ELECT 2700uF 20% 16V		D914	6-501-817-01	DIODE MA2J1110GLS0	
C929	1-128-954-11	ELECT 1000uF 20% 25V		D916	6-501-412-01	DIODE SF5S6	
△ C930	1-112-866-51	CERAMIC 100PF 10% 250V		D921	6-502-234-01	DIODE EG01CLF-F7	
C932	1-100-924-21	ELECT 2200uF 20% 35V		D922	6-501-817-01	DIODE MA2J1110GLS0	
C933	1-100-924-21	ELECT 2200uF 20% 35V		D923	6-501-817-01	DIODE MA2J1110GLS0	
C934	1-112-831-11	ELECT 2200uF 20% 35V		D924	6-501-817-01	DIODE MA2J1110GLS0	
C935	1-163-021-11	CERAMIC CHIP 0.01uF 10% 50V		D931	6-501-849-01	DIODE FMX-22SL	
C936	1-163-021-11	CERAMIC CHIP 0.01uF 10% 50V		D941	6-501-817-01	DIODE MA2J1110GLS0	
C937	1-100-756-11	CERAMIC CHIP 0.047uF 50V		D947	6-501-412-01	DIODE SF5S6	
△ C938	1-112-869-51	CERAMIC 470PF 10% 250V		D948	6-501-817-01	DIODE MA2J1110GLS0	
C939	1-136-165-00	FILM 0.1uF 5% 50V		D949	6-501-817-01	DIODE MA2J1110GLS0	
C940	1-128-950-31	ELECT 1000uF 20% 16V		DZ901	6-501-782-01	DIODE MAZ8180GMLS0	
C942	1-126-941-11	ELECT 470uF 20% 25V		DZ902	6-502-231-01	DIODE MAZ8220GLLS0	
				DZ903	6-501-768-01	DIODE MAZ8120GMLS0	
				DZ904	6-501-734-01	DIODE MAZ8056GMLS0	
				DZ915	6-501-760-01	DIODE MAZ8100GMLS0	
				DZ932	6-501-734-01	DIODE MAZ8056GMLS0	



## HCD-DZ275M/DZ570M/DZ665K/DZ670M

## POWER

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
DZ953	6-501-713-01	DIODE MAZ8033G0LS0					△ R903	1-215-929-11	METAL OXIDE 100K	5%	3W	F	
		< GROUND TERMINAL BOARD >					△ R904	1-215-929-11	METAL OXIDE 100K	5%	3W	F	
EB902	1-537-770-21	TERMINAL BOARD, GROUND					R905	1-216-797-11	METAL CHIP 10	5%	1/10W		
EB904	1-537-770-21	TERMINAL BOARD, GROUND					R906	1-216-827-11	METAL CHIP 3.3K	5%	1/10W		
EB907	1-537-770-21	TERMINAL BOARD, GROUND					R907	1-216-833-11	METAL CHIP 10K	5%	1/10W		
		< FUSE >					R908	1-216-829-11	METAL CHIP 4.7K	5%	1/10W		
							R909	1-216-845-11	METAL CHIP 100K	5%	1/10W		
							R910	1-216-825-11	METAL CHIP 2.2K	5%	1/10W		
							R911	1-216-813-11	METAL CHIP 220	5%	1/10W		
△ F945	1-576-794-11	FUSE, MICRO (1608) 2A					△ R912	1-216-363-00	METAL OXIDE 0.33	5%	2W	F	
		< RESISTOR >					△ R914	1-220-891-11	METAL 0.1	10%	5W	F	
△ FR929	1-246-373-11	FUSIBLE 1 10% 1/2W F					△ R916	1-215-929-11	METAL OXIDE 100K	5%	3W	F	
		< IC >					R917	1-216-829-11	METAL CHIP 4.7K	5%	1/10W		
							R919	1-216-837-11	METAL CHIP 22K	5%	1/10W		
							R920	1-216-821-11	METAL CHIP 1K	5%	1/10W		
IC901	6-707-742-01	IC STR-F6168-LF1352					R921	1-216-833-11	METAL CHIP 10K	5%	1/10W		
IC921	6-711-790-01	IC MR4020-7103					△ R922	1-244-317-71	METAL 0.18	5%	2W	F	
IC922	6-707-743-01	IC TA76L431S(TPE6,Q)					R923	1-218-879-11	METAL CHIP 22K	0.5%	1/10W		
IC931	8-759-648-34	IC TA76431AS(TPE6)					R924	1-216-837-11	METAL CHIP 22K	5%	1/10W		
IC941	6-712-613-01	IC SI-3010KM-TLS					R925	1-216-797-11	METAL CHIP 10	5%	1/10W		
		< COIL >					R926	1-218-895-11	METAL CHIP 100K	0.5%	1/10W		
L931	1-457-438-11	COIL, CHOKE 5.6uH					R927	1-216-837-11	METAL CHIP 22K	5%	1/10W		
L944	1-414-398-11	INDUCTOR 10uH					R928	1-216-845-11	METAL CHIP 100K	5%	1/10W		
L945	1-414-398-11	INDUCTOR 10uH					R930	1-216-817-11	METAL CHIP 470	5%	1/10W		
L947	1-414-398-11	INDUCTOR 10uH					R931	1-218-847-11	METAL CHIP 1K	0.5%	1/10W		
L948	1-414-398-11	INDUCTOR 10uH					R932	1-218-879-11	METAL CHIP 22K	0.5%	1/10W		
L953	1-414-398-11	INDUCTOR 10uH					R933	1-216-829-11	METAL CHIP 4.7K	5%	1/10W		
L954	1-457-578-11	COIL, CHOKE 10uH					R934	1-216-821-11	METAL CHIP 1K	5%	1/10W		
L956	1-457-578-11	COIL, CHOKE 10uH					R935	1-216-821-11	METAL CHIP 1K	5%	1/10W		
		< LINE FILTER >					R936	1-216-853-11	METAL CHIP 470K	5%	1/10W		
△ LF901	1-457-054-21	COIL, LINE FILTER					R937	1-218-871-11	METAL CHIP 10K	0.5%	1/10W		
△ LF902	1-457-054-21	COIL, LINE FILTER					R938	1-218-847-11	METAL CHIP 1K	0.5%	1/10W		
		< PHOTO COUPLER >					R939	1-218-855-11	METAL CHIP 2.2K	0.5%	1/10W		
△ PC901	6-600-438-01	PHOTO COUPLER TLP421F(D4-GRJ)					R940	1-218-871-11	METAL CHIP 10K	0.5%	1/10W		
△ PC902	6-600-438-01	PHOTO COUPLER TLP421F(D4-GRJ)					R941	1-218-895-11	METAL CHIP 100K	0.5%	1/10W		
△ PC903	6-600-276-01	PHOTO COUPLER PS2561AL1-1-V-W					R942	1-218-871-11	METAL CHIP 10K	0.5%	1/10W		
△ PC904	6-600-276-01	PHOTO COUPLER PS2561AL1-1-V-W					R945	1-216-837-11	METAL CHIP 22K	5%	1/10W		
		< THERMISTOR (POSITIVE) >					R946	1-216-827-11	METAL CHIP 3.3K	5%	1/10W		
△ PS954	1-802-595-11	THERMISTOR, POSITIVE MF-R250					R949	1-216-809-11	METAL CHIP 100	5%	1/10W		
△ PS956	1-802-596-11	THERMISTOR, POSITIVE MF-R300					R951	1-218-847-11	METAL CHIP 1K	0.5%	1/10W		
		< TRANSISTOR >					R952	1-216-821-11	METAL CHIP 1K	5%	1/10W		
Q901	8-729-201-53	TRANSISTOR 2SA1015-GR					R954	1-218-861-11	METAL CHIP 3.9K	0.5%	1/10W		
Q921	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF					R955	1-216-821-11	METAL CHIP 1K	5%	1/10W		
Q922	6-550-702-01	TRANSISTOR 2SC3243-TP-E					R956	1-216-817-11	METAL CHIP 470	5%	1/10W		
Q930	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF					R957	1-216-841-11	METAL CHIP 47K	5%	1/10W		
Q931	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF					R958	1-216-821-11	METAL CHIP 1K	5%	1/10W		
Q932	8-729-038-28	TRANSISTOR RT1N441C-TP-1					R959	1-218-871-11	METAL CHIP 10K	0.5%	1/10W		
Q943	8-729-038-28	TRANSISTOR RT1N441C-TP-1					R960	1-216-817-11	METAL CHIP 470	5%	1/10W		
Q945	6-550-718-01	FET RSR025N03TL					R963	1-218-839-11	METAL CHIP 470	0.5%	1/10W		
Q947	8-729-038-28	TRANSISTOR RT1N441C-TP-1					R965	1-218-863-11	METAL CHIP 4.7K	0.5%	1/10W		
Q949	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF					R966	1-216-821-11	METAL CHIP 1K	5%	1/10W		
Q950	8-729-038-28	TRANSISTOR RT1N441C-TP-1					R967	1-216-821-11	METAL CHIP 1K	5%	1/10W		
		< RESISTOR >					R972	1-218-871-11	METAL CHIP 10K	0.5%	1/10W		
△ R901	1-240-938-11	METAL 1.5M 5% 1/2W F					R974	1-216-827-11	METAL CHIP 3.3K	5%	1/10W		
							R975	1-218-895-11	METAL CHIP 100K	0.5%	1/10W		
							R976	1-218-903-11	METAL CHIP 220K	0.5%	1/10W		
							R978	1-216-829-11	METAL CHIP 4.7K	5%	1/10W		
							R992	1-216-793-11	METAL CHIP 4.7	5%	1/10W		
							R993	1-216-833-11	METAL CHIP 10K	5%	1/10W		
							R994	1-216-851-11	METAL CHIP 330K	5%	1/10W		

POWER

P-SW

S-AIR-CON

SCORE

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R995	1-216-845-11	METAL CHIP	100K	5%	1/10W	C308	1-126-947-11	ELECT	47uF	20%	35V
R998	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W	C309	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
R999	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	C310	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
< TRANSFORMER >						C311	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
						C312	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
△ T901	1-443-874-11	TRANSFORMER, CONVERTER				C313	1-126-947-11	ELECT	47uF	20%	35V
△ T903	1-445-320-11	TRANSFORMER, CONVERTER				C314	1-104-662-11	ELECT	22uF	20%	25V
< THERMISTOR >						C315	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
						C316	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
△ TH901	1-805-842-21	THERMISTOR, NTC 6.0				< CONNECTOR >					
< VARISTOR >						CN301	1-778-227-41	CONNECTOR, BOARD TO BOARD 6P			
△ VDR901	1-805-482-11	VARISTOR				< DIODE >					
*****						D301	6-501-579-01	DIODE MC2837			
						D302	6-501-579-01	DIODE MC2837			
						D303	6-501-817-01	DIODE MA2J1110GLS0			
						D304	6-501-579-01	DIODE MC2837			
< CAPACITOR >						< IC >					
C170	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	IC301	8-759-100-96	IC uPC4558G2			
< SWITCH >						IC302	8-759-700-07	IC NJM2903M			
S108	1-762-875-21	SWITCH, KEYBOARD (I/⏻)				IC303	8-759-700-07	IC NJM2903M			
*****						< JUMPER RESISTOR >					
						JR451	1-216-864-11	SHORT CHIP	0		
						JR452	1-216-864-11	SHORT CHIP	0		
						JR453	1-216-864-11	SHORT CHIP	0		
< CONNECTOR >						< RESISTOR >					
* CN110	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P				R302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
* CN111	1-564-517-11	PLUG, CONNECTOR 2P				R303	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
CN112	1-779-554-21	CONNECTOR, FFC (LIF(NON-ZIF)) 17P				R304	1-216-821-11	METAL CHIP	1K	5%	1/10W
CN113	1-821-744-11	CONNECTOR, CARD EDGE 30P (EZW-T100)				R305	1-216-845-11	METAL CHIP	100K	5%	1/10W
< TRANSISTOR >						R306	1-216-845-11	METAL CHIP	100K	5%	1/10W
Q120	8-729-038-28	TRANSISTOR RT1N441C-TP-1				R307	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q121	6-550-363-01	TRANSISTOR 2SB1690KT146				R308	1-216-821-11	METAL CHIP	1K	5%	1/10W
< RESISTOR >						R309	1-216-851-11	METAL CHIP	330K	5%	1/10W
R193	1-216-817-11	METAL CHIP	470	5%	1/10W	R310	1-216-853-11	METAL CHIP	470K	5%	1/10W
R194	1-216-817-11	METAL CHIP	470	5%	1/10W	R311	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R195	1-216-841-11	METAL CHIP	47K	5%	1/10W	R312	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R196	1-216-817-11	METAL CHIP	470	5%	1/10W	R313	1-216-841-11	METAL CHIP	47K	5%	1/10W
R197	1-216-833-11	METAL CHIP	10K	5%	1/10W	R314	1-216-841-11	METAL CHIP	47K	5%	1/10W
R198	1-216-833-11	METAL CHIP	10K	5%	1/10W	R319	1-216-842-11	METAL CHIP	56K	5%	1/10W
R199	1-216-833-11	METAL CHIP	10K	5%	1/10W	R320	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R200	1-216-833-11	METAL CHIP	10K	5%	1/10W	R322	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
*****						R323	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R324	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R325	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R326	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
< CAPACITOR >						R327	1-216-837-11	METAL CHIP	22K	5%	1/10W
C301	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R328	1-216-833-11	METAL CHIP	10K	5%	1/10W
C302	1-126-947-11	ELECT	47uF	20%	35V	R329	1-216-833-11	METAL CHIP	10K	5%	1/10W
C303	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	R330	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
C304	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	R334	1-216-864-11	SHORT CHIP	0		
C305	1-126-947-11	ELECT	47uF	20%	35V	R336	1-216-864-11	SHORT CHIP	0		
C306	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	*****					
C307	1-126-947-11	ELECT	47uF	20%	35V						

# HCD-DZ275M/DZ570M/DZ665K/DZ670M

## SPEAKER

Ref. No.	Part No.	Description	Remark
		SPEAKER BOARD *****	
		< CAPACITOR >	
C173	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C174	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C175	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C176	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C177	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C178	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C179	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C180	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C181	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C182	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C183	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C184	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C185	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C186	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C187	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C188	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
		< CONNECTOR >	
* CN114	1-564-523-11	PLUG, CONNECTOR 8P	
		< TERMINAL BOARD >	
TB100	1-780-454-11	TERMINAL BOARD (SPEAKER) 4P (SPEAKER (FRONT R,FRONT L,SUR R,SUR L))	
*****			
		MISCELLANEOUS *****	
4	1-827-720-11	WIRE (FLAT TYPE) (11 CORE)	
6	1-828-350-11	WIRE (FLAT TYPE) (17 CORE) (DZ570M/DZ665K/DZ670M)	
△ 8	1-834-966-21	CORD, POWER	
63	1-828-307-11	WIRE (FLAT TYPE) (9 CORE)	
64	1-828-363-11	WIRE (FLAT TYPE) (19 CORE)	
106	1-828-293-11	WIRE (FLAT TYPE) (5 CORE)	
107	1-828-369-11	WIRE (FLAT TYPE) (21 CORE)	
108	1-828-337-11	WIRE (FLAT TYPE) (15 CORE) (DZ275M)	
108	1-828-347-11	WIRE (FLAT TYPE) (17 CORE) (DZ570M/DZ665K/DZ670M)	
114	1-828-296-11	WIRE (FLAT TYPE) (7 CORE)	
△ 157	8-820-321-05	OPTICAL PICK-UP (KHM-313CAA/C2RP)	
158	1-828-773-51	WIRE (FLAT TYPE) (24 CORE)	
△ F901	1-576-233-51	FUSE (H.B.C.) (6.3A/250V)	
FAN3001	1-787-331-11	FAN, D.C.	
TU401	1-693-759-11	TUNER (FM/AM) (ANTENNA)	