

HCD-DZ7T

SERVICE MANUAL

E Model



Ver. 1.1 2007.06



HCD-DZ7T is the amplifier, DVD/CD and tuner section in DAV-DZ7T.

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-DZ150K
Mechanism Type	CDM85-DVBUI02
Optical Pick-up Name	KHM-313CAA

SPECIFICATIONS

Amplifier section

Stereo mode (rated) 108 W + 108 W (at 3 ohms, 1 kHz, 1 % THD)
Surround mode (reference) RMS output power
FL/FR/SL/SR*: 143 watts (per channel at 3 ohms, 1 kHz, 10 % THD)
C*: 142 watts (at 3 ohms, 1 kHz, 10 % THD)
Subwoofer L/Subwoofer R*: 143 watts (per channel at 3 ohms, 80 Hz, 10 % THD)

* Depending on the sound field 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/MIC 1 Sensitivity:

AUDIO IN 250/125 mV/
MIC 1 1 mV

MIC 2

Sensitivity: 1 mV

Inputs (Digital)

SAT/CABLE (COAXIAL IN/OPTICAL IN)

Impedance: 75 ohms/—

DVD system

Laser

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

Signal format system

Mexican and Latin American models:

NTSC
NTSC/PAL

Other models:

Tuner section

System

PLL quartz-locked digital synthesizer

FM tuner section

Tuning range

87.5-108.0 MHz (50 kHz step)

Antenna (aerial)

Antenna (aerial) terminals 75 ohms, unbalanced

Intermediate frequency

10.7 MHz

AM tuner section

Tuning range

Mexican, and Latin American models:

530 – 1,710 kHz (with the interval set at 10 kHz)
531 – 1,710 kHz (with the interval set at 9 kHz)

Other models:

531 – 1,602 kHz (with the interval set at 9 kHz)
530 – 1,610 kHz (with the interval set at 10 kHz)
AM loop antenna (aerial) 450 kHz

Antenna (aerial)

Intermediate frequency

Video section

Outputs

VIDEO: 1 Vp-p 75 ohms
S VIDEO:
Y: 1 Vp-p 75 ohms
C: 0.286 Vp-p 75 ohms
COMPONENT:
Y: 1 Vp-p 75 ohms
Pb/Cb, Pr/Cr: 0.7 Vp-p 75 ohms
HDMI OUT: Type A (19 pin)
VIDEO: 1 Vp-p 75 ohms

General

Power requirements

Mexican models:

120 V AC, 60 Hz

Latin American models:

110 - 240 V AC, 50/60 Hz

Other models:

220 - 240 V AC, 50/60 Hz

— Continued on next page —

DVD RECEIVER

9-887-704-02
2007F16-1
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Sony Corporation

Home Audio Division

Published by Sony Techno Create Corporation

SONY®

Power consumption	
Mexican models:	On: 180 W Standby: 0.3 W (at the Power Saving mode)
Latin American models:	On: 190 W Standby: 0.3 W (at the Power Saving mode)
Other models:	On: 180 W Standby: 0.3 W (at the Power Saving mode)
Dimensions (approx.)	430×63× 380 mm (w/h/d) incl. projecting parts
Mass (approx.)	4.2 kg

Design and specifications are subject to change without notice.

SAFETY-RELATED COMPONENT WARNING!!

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

Special Component Notice

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

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.

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



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

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

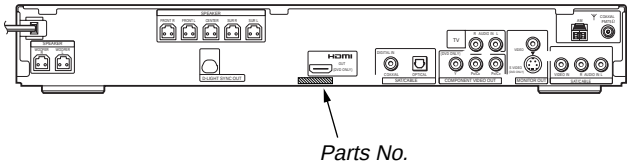
Notes on chip component replacement

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

Flexible Circuit Board Repairing

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

MODEL IDENTIFICATION
– Rear Panel –



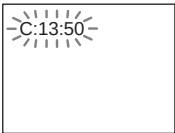
Model	Part No.
SP model	3-197-464-5□
E32 model	3-197-464-6□
MX model	3-197-464-7□
TH model	3-215-699-5□

- Abbreviation
E32 : 110 – 240V AC area in E model
MX : Mexican model
SP : Singapore model
TH : Thai model

Self-diagnosis Function

(When letters/numbers appear in the display)

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



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

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.



TABLE OF CONTENTS

1. SERVICING NOTE	5	6-7. Schematic Diagram – MAIN Board (1/10) –	38
2. GENERAL	11	6-8. Schematic Diagram – MAIN Board (2/10) –	39
3. DISASSEMBLY		6-9. Schematic Diagram – MAIN Board (3/10) –	40
3-1. Disassembly Flow	14	6-10. Schematic Diagram – MAIN Board (4/10) –	41
3-2. Case (DS), Front Panel Assy	15	6-11. Schematic Diagram – MAIN Board (5/10) –	42
3-3. FL Board	16	6-12. Schematic Diagram – MAIN Board (6/10) –	43
3-4. JACK Board, P-SW Board	17	6-13. Schematic Diagram – MAIN Board (7/10) –	44
3-5. Front Panel, Ornament	17	6-14. Schematic Diagram – MAIN Board (8/10) –	45
3-6. Tuner (FM/AM)	18	6-15. Schematic Diagram – MAIN Board (9/10) –	46
3-7. POWER Board	18	6-16. Schematic Diagram – MAIN Board (10/10) –	47
3-8. IO-S-OUT Board	19	6-17. Printed Wiring Board – IO-S-OUT Board –	48
3-9. SP Board, D.C. Fan	19	6-18. Schematic Diagram – IO-S-OUT Board (1/2) –	49
3-10. MAIN Board, DSP Board	20	6-19. Schematic Diagram – IO-S-OUT Board (2/2) –	50
3-11. DVD Mechanism Deck (CDM85-DVBU102)	21	6-20. Printed Wiring Board – DSP Board –	51
3-12. Tray	21	6-21. Schematic Diagram – DSP Board –	52
3-13. Belt, MS-203 Board	22	6-22. Printed Wiring Boards – FL, JACK Board –	53
3-14. Optical Pick-up (KHM-313CAA)	23	6-23. Schematic Diagram – FL Board –	54
4. TEST MODE	24	6-24. Schematic Diagram – JACK Board –	55
5. ELECTRICAL ADJUSTMENT	29	6-25. Printed Wiring Boards – SP Board, P-SW Board –	56
6. DIAGRAMS		6-26. Schematic Diagram – SP Board, P-SW Board –	56
6-1. Block Diagram – RF/VIDEO Section –	32	6-27. Printed Wiring Board – MS-203 Board –	57
6-2. Block Diagram – AMP Section –	33	6-28. Schematic Diagram – MS-203 Board –	57
6-3. Block Diagram – AUDIO Section –	34	6-29. Printed Wiring Board – POWER Board –	58
6-4. Block Diagram – POWER Section –	35	6-30. Schematic Diagram – POWER Board –	59
6-5. Printed Wiring Board – MAIN Board (Side A) –	36	7. EXPLODED VIEWS	
6-6. Printed Wiring Board – MAIN Board (Side B) –	37	7-1. Overall Section	79
		7-2. Front Panel Section	80
		7-3. Chassis Section	81
		7-4. DVD Mechanism Deck Section (CDM85-DVBU102) ...	82
		8. ELECTRICAL PARTS LIST	83

SECTION 1

SERVICING NOTE

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

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

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

NOTES ON LASER DIODE EMISSION CHECK

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

DISC TRAY LOCK

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

Setting Procedure :

1. Press the  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  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  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  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  button to turn the set on.

This System Can Play the Following Discs

Format of discs	Disc logo
DVD VIDEO	
DVD-RW/ DVD-R	 
DVD+RW/ DVD+R	  
VIDEO CD (Ver. 1.1 and 2.0 discs)/ Audio CD	 
CD-RW/CD-R (audio data) (MP3 files) (JPEG files)	   

"DVD-RW," "DVD+RW," "DVD+R,"

"DVD VIDEO," and the "CD" logos are trademarks.

Note about CDs/DVDs

The system can play CD-ROMs/CD-Rs/CD-RWs recorded in the following formats:

- audio CD format
- VIDEO CD format
- MP3 audio tracks, JPEG image files, and DivX video files of format conforming to ISO 9660 Level 1/Level 2, or its extended format, Joliet

The system can play DVD-ROMs/DVD+RWs/DVD-RWs/DVD+Rs/DVD-Rs recorded in the following formats:

- MP3 audio tracks, JPEG image files, and DivX video files of format conforming to UDF (Universal Disc Format)

Example of discs that the system cannot play

The system cannot play the following discs:

- CD-ROMs/CD-Rs/CD-RWs other than those recorded in the formats listed on "Note about CDs/DVDs"
- CD-ROMs recorded in PHOTO CD format
- Data part of CD-Extras
- DVD Audios
- Super Audio CD
- DATA DVDs that do not contain MP3 audio tracks, JPEG image files, or DivX video files
- DVD-RAMs

Also, the system cannot play the following discs:

- A DVD VIDEO with a different region code
- 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

Notes 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, see 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.

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.

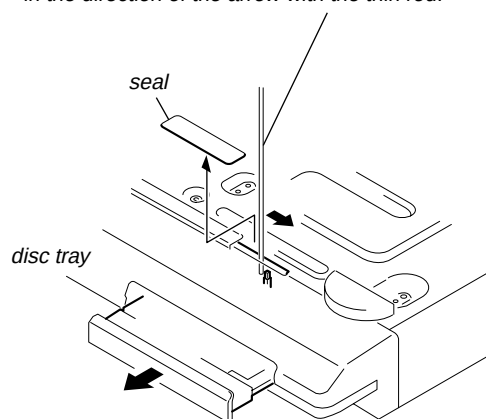
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** Manufactured under license from DTS, Inc. "DTS" and "DTS Digital Surround" are registered trademarks of DTS, Inc.

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.

Peel off the seal and so the lever is moved in the direction of the arrow with the thin rod.



Discharge the charged electricity in capacitors to prevent electric shock as follows

When disassembling the machine, be sure to discharge the charged electricity in the following capacitors.
Use a resistor of 800 ohms, 2 Watts for discharging the following capacitors.

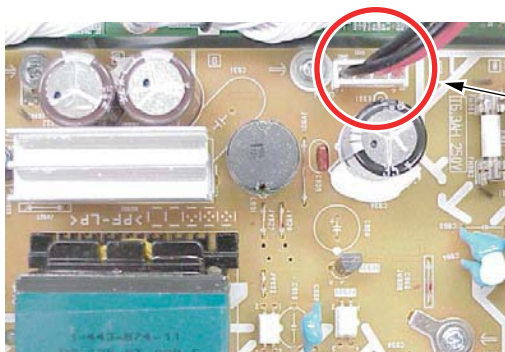
POWER board

C903: 440 V (EXCEPT MX) / 240 V (MX)
C932, C933, C934, CN904: 30 V

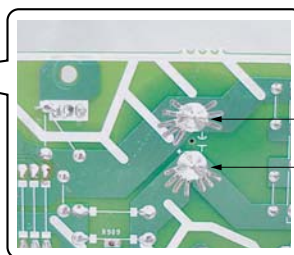
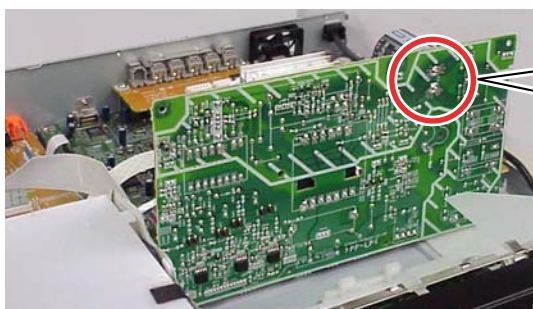
- Abbreviation
MX : Mexican model

MAIN board

CN3002: 30 V



Point of capacitor discharge for C932, C933, C934:
Connect to the red and black wire of CN904



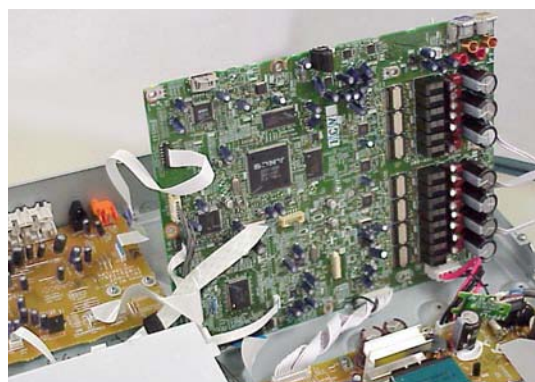
800 Ω/2W

Point of capacitor discharge for C903:
Connect to the foot of CN903

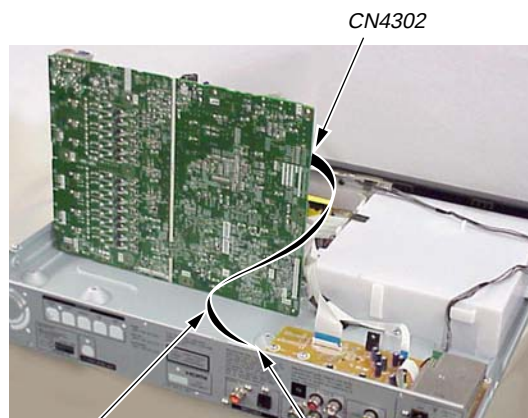
MAIN board service position

Please take the above-mentioned position in the repair of MAIN board.

In that case, it is necessary the following extension cable during CN304 on IO-S-OUT board and CN4302 on MAIN board .



MAIN board service position



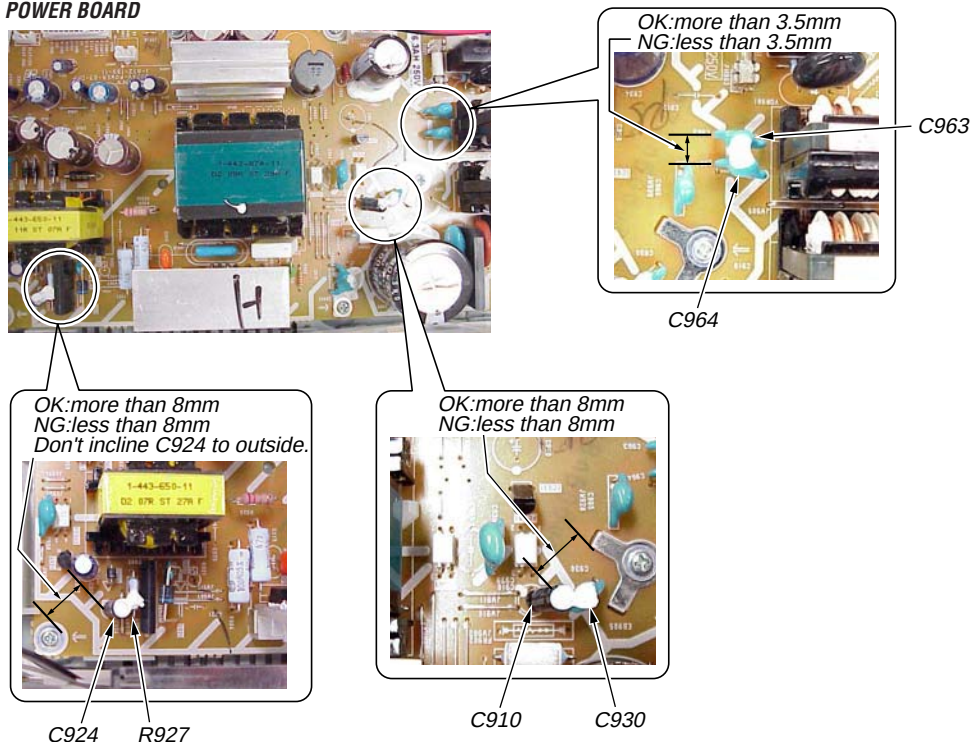
jig P/N: J-2501-242-A
(pitch 1.00 mm/11p/length 300 mm)

Parts that require fixing using adhesive agent

The following parts on the POWER board must be fixed by using the adhesive agent (such as Sony Bond Master) as it is specified by Safety Regulations. When any part or printed circuit board is replaced during repair work, be sure to confirm that the following capacitors and resistors are fixed by using the adhesive agent (such as Sony Bond Master) without fail.

- POWER board :
- C924 and R927 (refer to below fig.)
 - C913 (Push down to C903 side and so fix.)
 - C910 and C930 (refer to below fig.)
 - EB905 side of C903
 - EB905 side of C934
 - C964 and C963 (refer to below fig.)
 - Space between C933 and C932
 - C908 and Q901 (Don't touch IC901.)

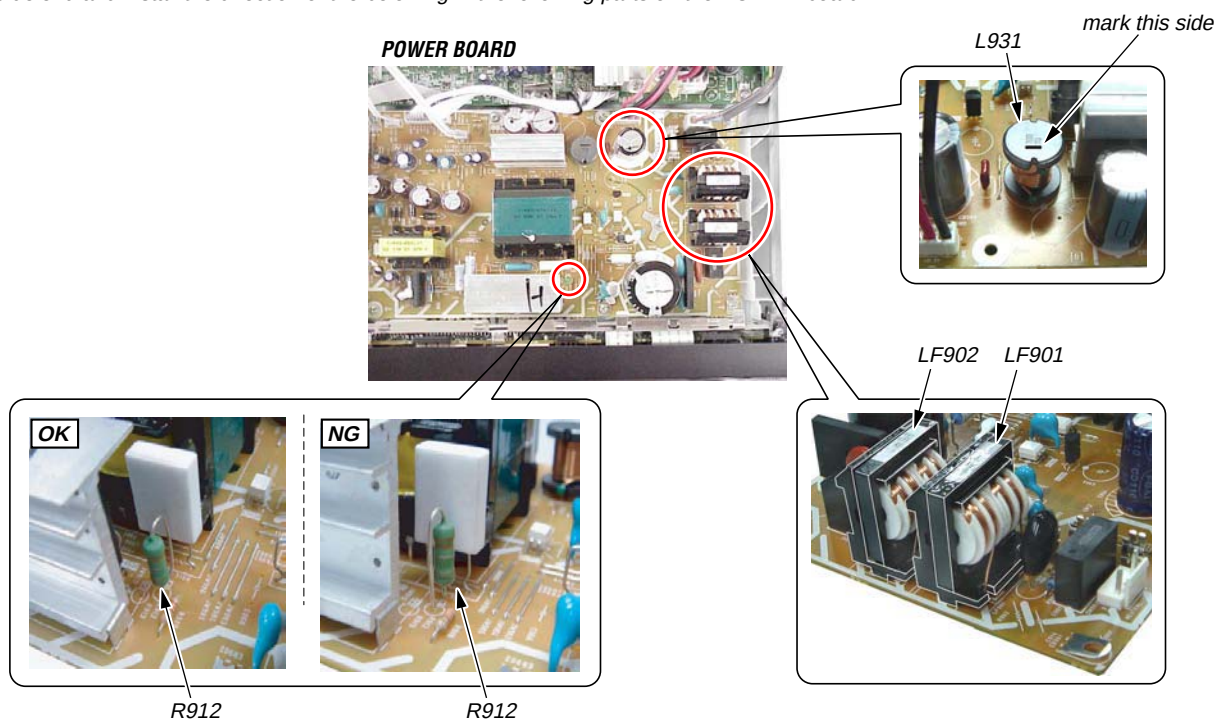
POWER BOARD



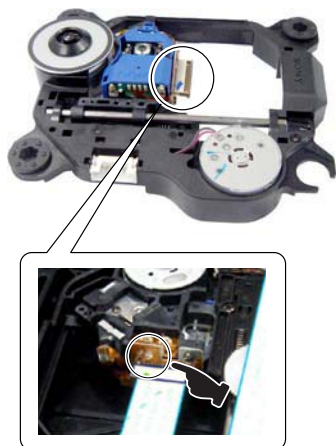
Attention of the direction at replacement

Please defend and install the direction of the below fig in the following parts on the POWER board.

POWER BOARD



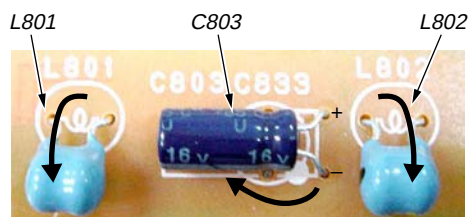
**Precaution when installing a new OP unit /
Precaution before unsoldering the static electricity
prevention solder bridge**



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.)

**Note on replacement of C803, C802, L801,
and L802**

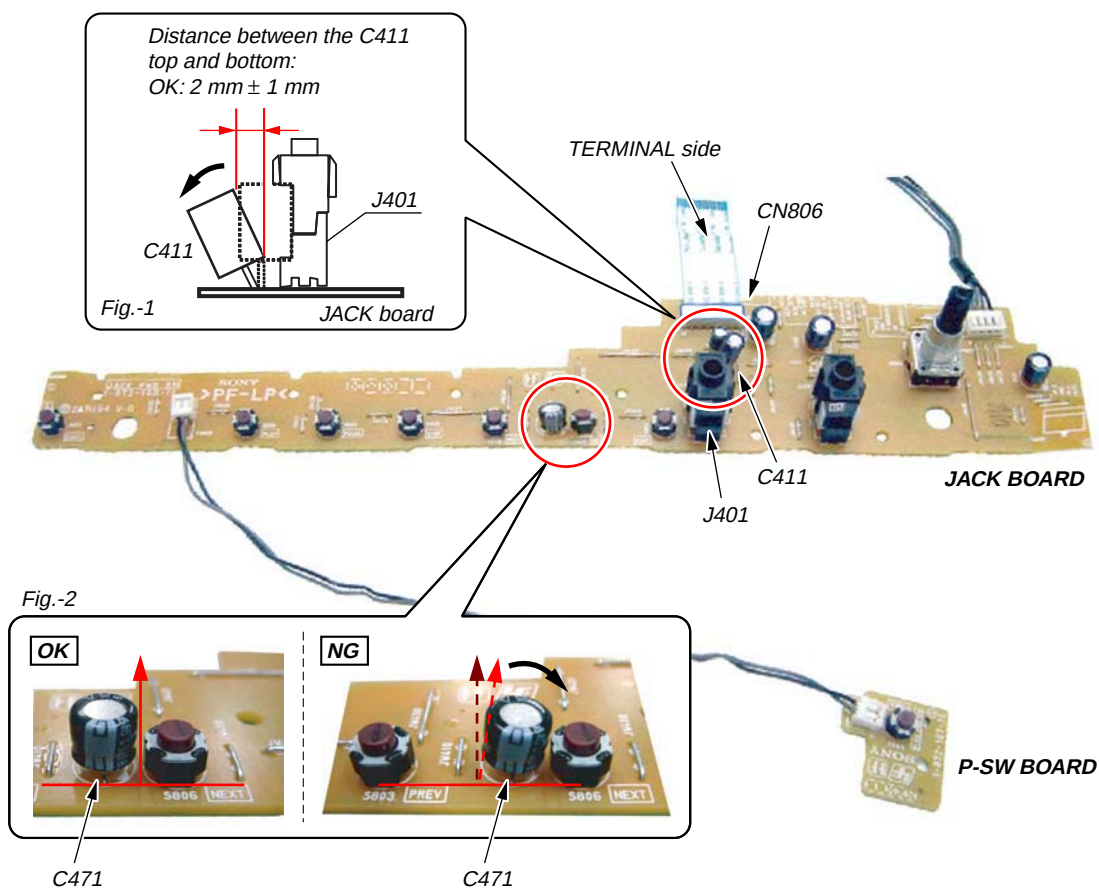
Please fold in the direction of the arrow and set up at replacement of C803, C802, L801, and L802 on FL board.



Note on C471 and C411 on JACK board

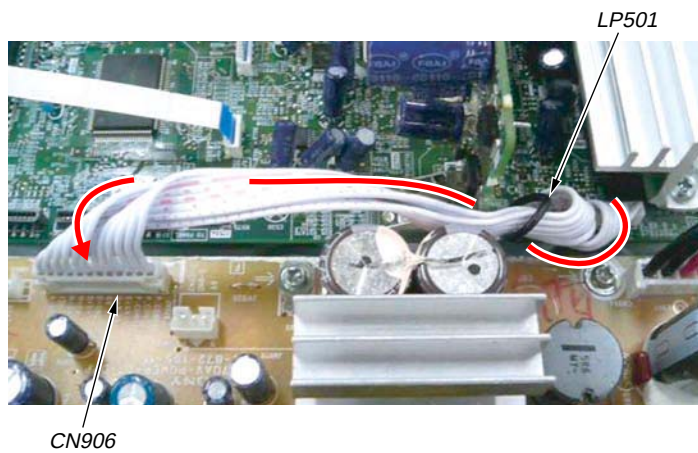
Bend C411 and keep the distance as shown. (Fig.-1)

Confirm C471 standing straightly. (Fig.-2)



The wire (12P) that ties CN906 (POWER board) to CN506 (MAIN board)

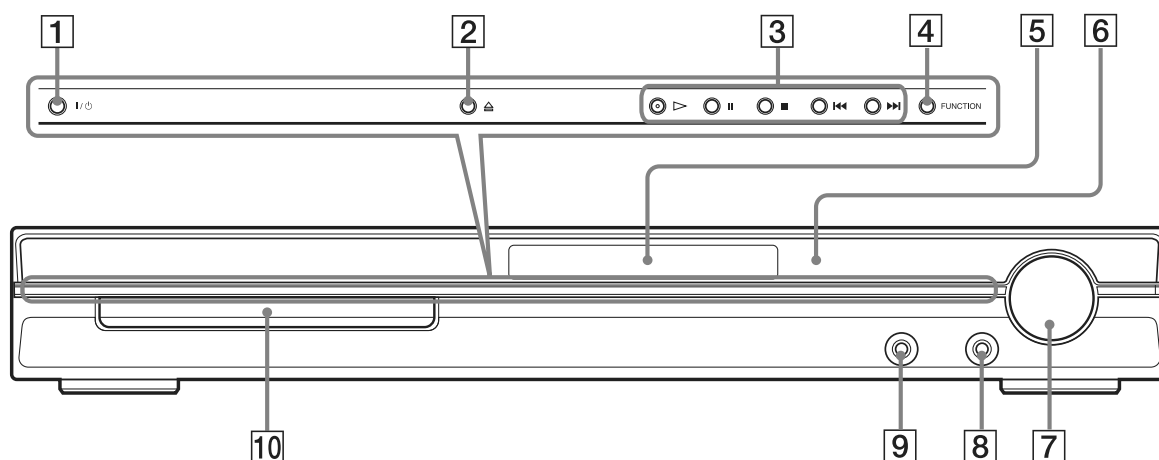
*Twist 1.5 circles and connect to CN906 fix wire 12P with LP as shown below.
(Must keep wire 12P away from the HEAT SINK, and can not touch it.)*



SECTION 2 GENERAL

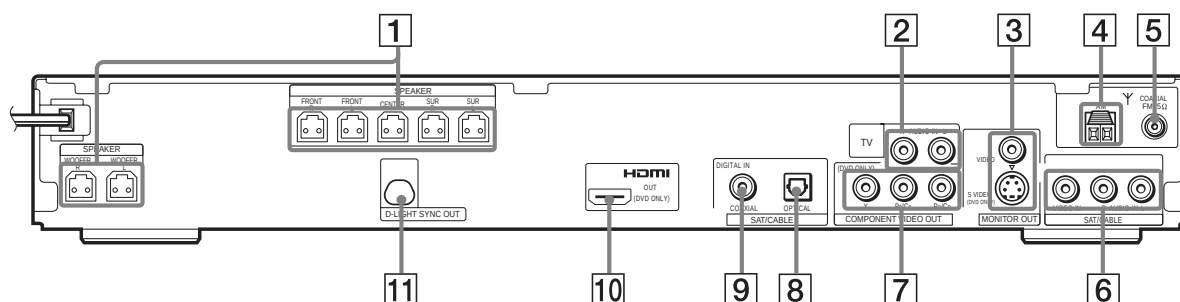
This section is extracted from instruction manual.

Front panel



- | | |
|------------------------------------|---|
| 1 I/⏻ (on/standby) (26) | 7 VOLUME control (26) |
| 2 ≡ (open/close) (26) | 8 MIC 2 jack (62) |
| 3 Disc operation (26) | 9 AUDIO IN/MIC 1/A.CAL MIC jack (15, 24, 62) |
| 4 FUNCTION (26) | 10 Disc tray (26) |
| 5 Front panel display (100) | |
| 6 (remote sensor) (8) | |

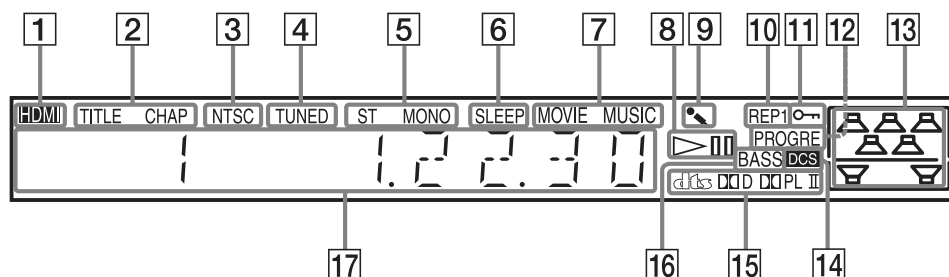
Rear panel



- | | |
|--|---|
| 1 SPEAKER jacks (9) | 7 COMPONENT VIDEO OUT jacks (20) |
| 2 TV (AUDIO IN R/L) jacks (9) | 8 SAT/CABLE (DIGITAL IN OPTICAL) jack (24) |
| 3 MONITOR OUT (S VIDEO/VIDEO) jacks (20) | 9 SAT/CABLE (DIGITAL IN COAXIAL) jack (24) |
| 4 AM terminal (9) | 10 HDMI OUT jack (20) |
| 5 COAXIAL FM 75Ω jack (9) | 11 D-LIGHT SYNC OUT jack (24) |
| 6 SAT/CABLE (AUDIO IN R/L, VIDEO IN) jacks (24) | |

Front panel display

About the indications in the front panel display



- | | |
|---|---|
| <p>1 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. (20)</p> <p>2 Lights up when the time information of a title or chapter appears in the front panel display. (DVD only) (43)</p> <p>3 Lights up when the color system is set to NTSC. (Asian models only)</p> <p>4 Lights up when a station is received. (Radio only) (56)</p> <p>5 Stereo/Monaural effect (Radio only) (57)</p> <p>6 Lights up when the sleep timer is set. (66)</p> <p>7 Lights up when the movie or music mode is selected. (29)</p> <p>8 Playing status (DVD function only)</p> <p>9 Lights up when the karaoke mode is on. (62)</p> | <p>10 Current repeat mode (39)</p> <p>11 Lights up when the child lock function is set to on. (68)</p> <p>12 Lights up when the system outputs progressive signals (DVD function only). (22)</p> <p>13 Indicates the selected [SPEAKER FORMATION]. (72)</p> <p>14 Lights up when Digital Cinema Sound (DCS) is activated. (30)</p> <p>15 Current surround format (Except for JPEG)</p> <p>16 Lights up when the DYNAMIC BASS is selected. (66)</p> <p>17 Displays system's status such as chapter, title, or track number, time information, radio frequency, playing status, sound field, etc.</p> |
|---|---|

Remote control

ALPHABETICAL ORDER

A – O

ANGLE **[4]** (45)
 AUDIO** **[37]** (40)
 CLEAR **[38]** (34, 58, 60, 77)
 D.TUNING **[26]** (57)
 DISPLAY **[24]** (43, 58)
 DVD MENU **[5]** (40, 53)
 DVD TOP MENU **[36]** (40)
 DYNAMIC BASS **[25]** (66)
 ECHO **[11]** (62)
 ENTER* **[3]** (15, 18, 28, 34, 56, 69)
 FUNCTION +/- **[2]** (22, 26, 28, 35, 56, 72)
 KARAOKE PON **[10]** (64)
 KEYCON #/b **[31]** (63)
 MIC VOL +/- **[12]** (62)
 MOVIE/MUSIC **[39]** (29)
 MUTING **[32]** (26)
 Number buttons** **[19]** (34, 57, 59, 69)

P – Z

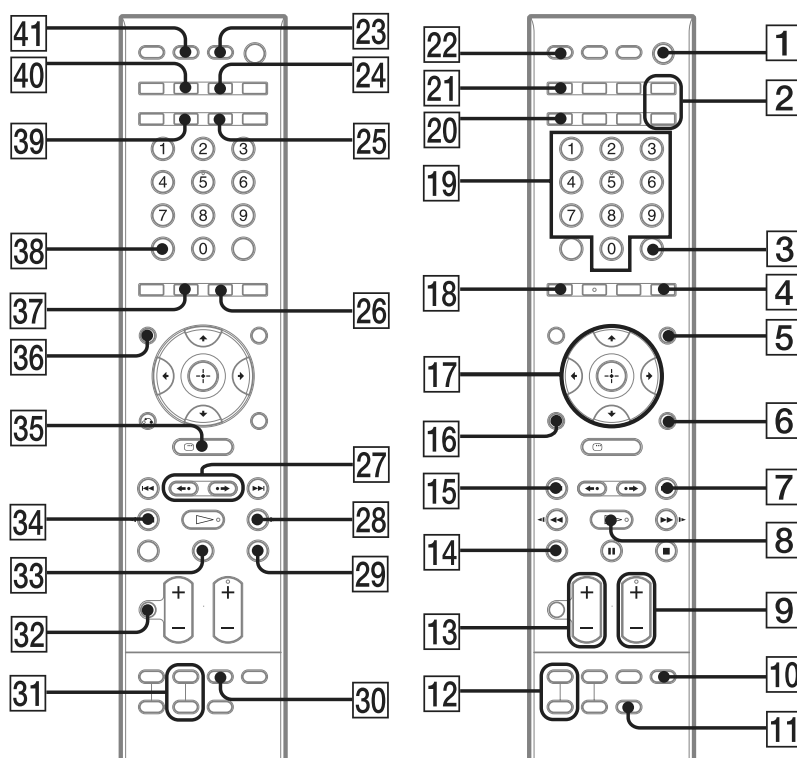
PICTURE NAVI **[18]** (35, 60)
 PRESET +/- **[7]** **[15]** (57)
 SCORE **[30]** (65)
 SLEEP **[40]** (66)
 SOUND FIELD +/-** **[9]** (30)
 SUBTITLE **[26]** (46)
 SYSTEM MENU **[6]** (18, 28, 67, 105)
 THEATRE SYNC **[23]** (61)
 TOOLS **[6]** (59)
 TUNING +/- **[28]** **[34]** (56)
 TV **[14]** (59)
 TV CH +/-** **[9]** (59)
 TV INPUT **[21]** (59)
 TV MENU **[35]** (59)
 TV VOL +/- **[13]** (59)
 VIDEO FORMAT **[20]** (22)
 VOLUME +/- **[13]** (26, 57, 84)

BUTTON DESCRIPTIONS

I/⏻ (on/standby) **[1]** (15, 18, 26, 35, 57)
 TV **I/⏻** (on/standby) **[41]** (59)
⏮/⏭/⏪/⏩/⊕ **[17]** (15, 18, 28, 34, 56, 69)
⏮/⏭/⏪/⏩ REPLAY/ADVANCE **[27]** (26)
⏮/⏭/⏪/⏩ **[15]** **[7]** (26)
⏮/⏭/⏪/⏩ **[34]** **[28]** (33)
⏮/⏭/⏪/⏩ **[34]** **[28]** (33)
▷ (play)** **[8]** (26, 35, 70)
■ (stop) **[29]** (27, 35, 69)
⏸ (pause) **[33]** (27)
⏏ (open/close) **[22]** (27)
☐ DISPLAY **[35]** (17, 34, 69, 101)
↶ RETURN **[16]** (35)
 -/-- **[38]** (60)

* 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 59).

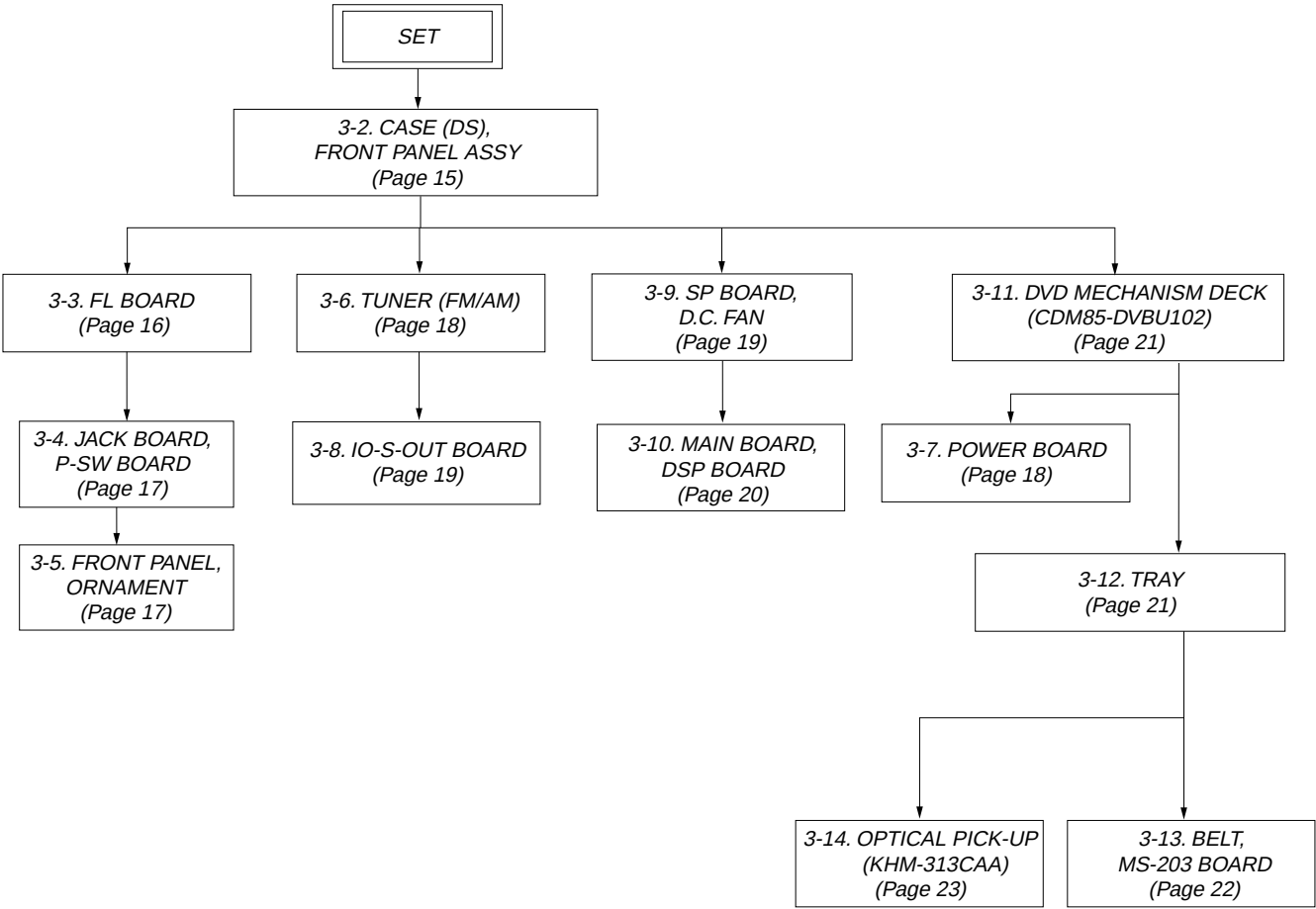
The **▷, number 5, AUDIO, and SOUND FIELD + (TV CH +) buttons have tactile dots. Use the tactile dots as references when operating the system.



SECTION 3
DISASSEMBLY

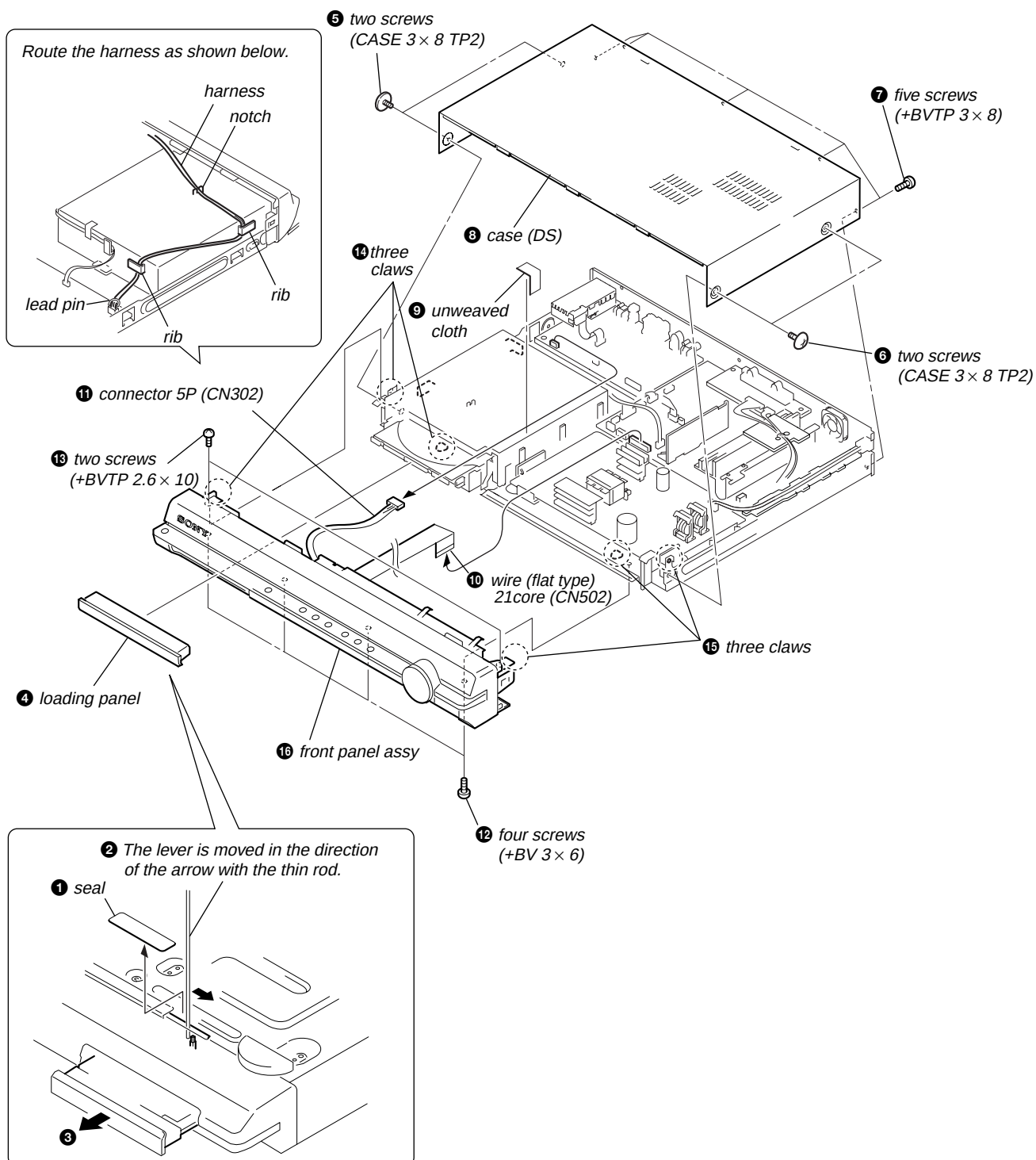
3-1. DISASSEMBLY FLOW

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

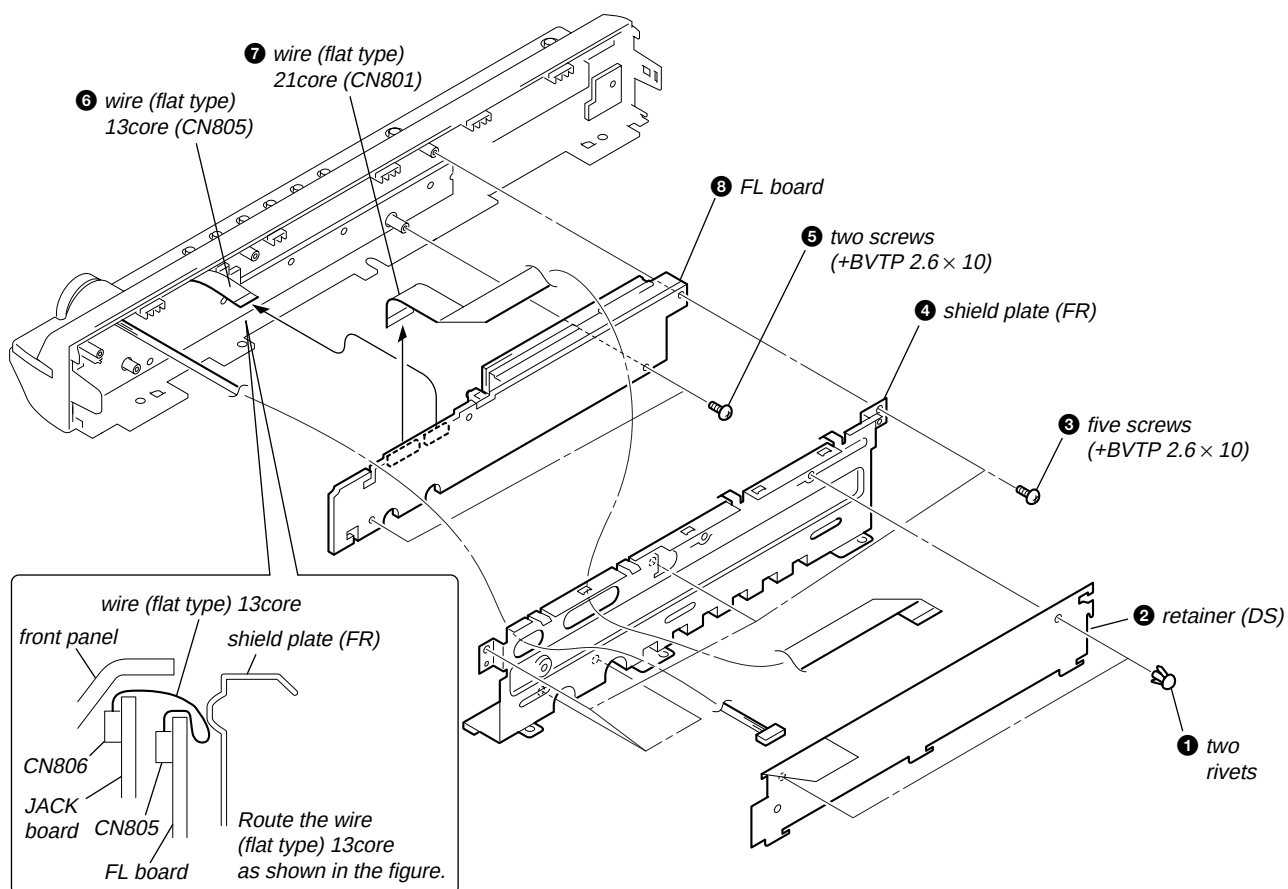


Note: Follow the disassembly procedure in the numerical order given.

3-2. CASE (DS), FRONT PANEL ASSY

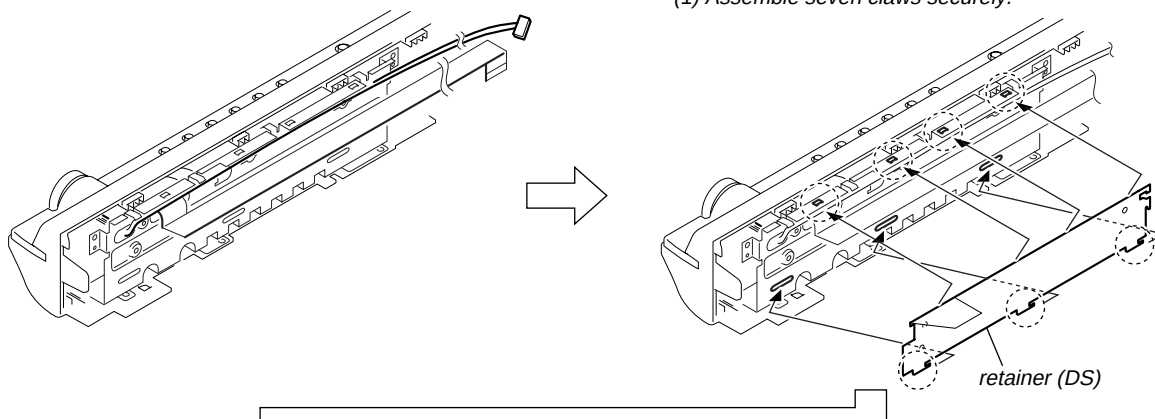


3-3. FL BOARD

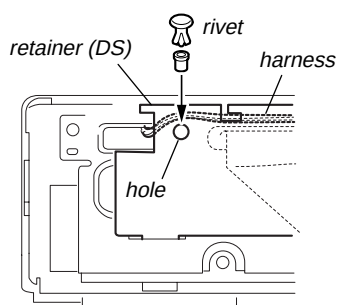


PRECAUTION DURING THE RETAINER (DS) INSTALLATION

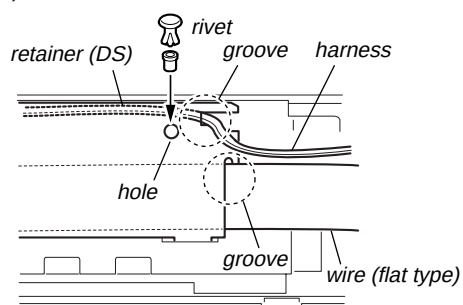
(1) Assemble seven claws securely.



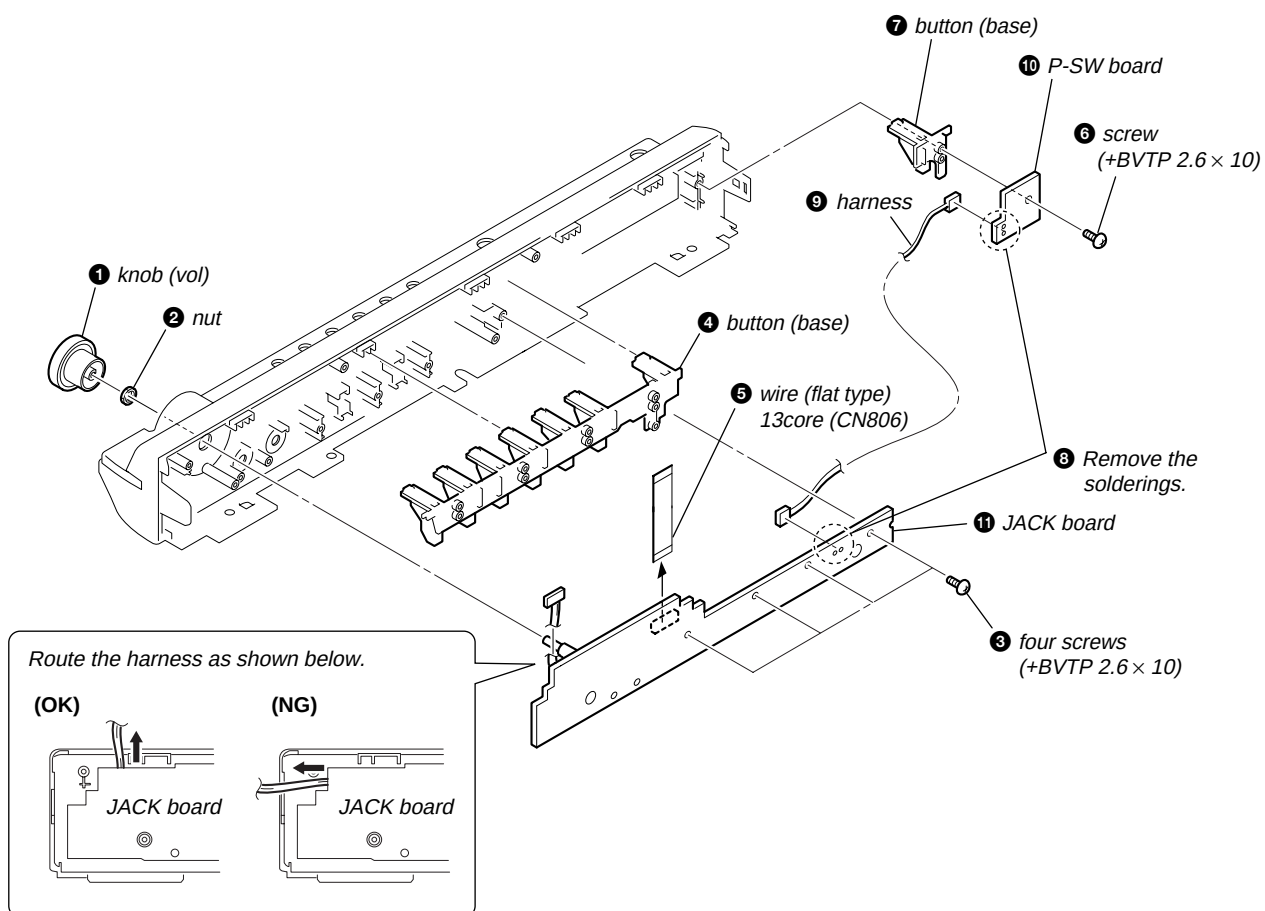
(2) Route the harness as shown below.



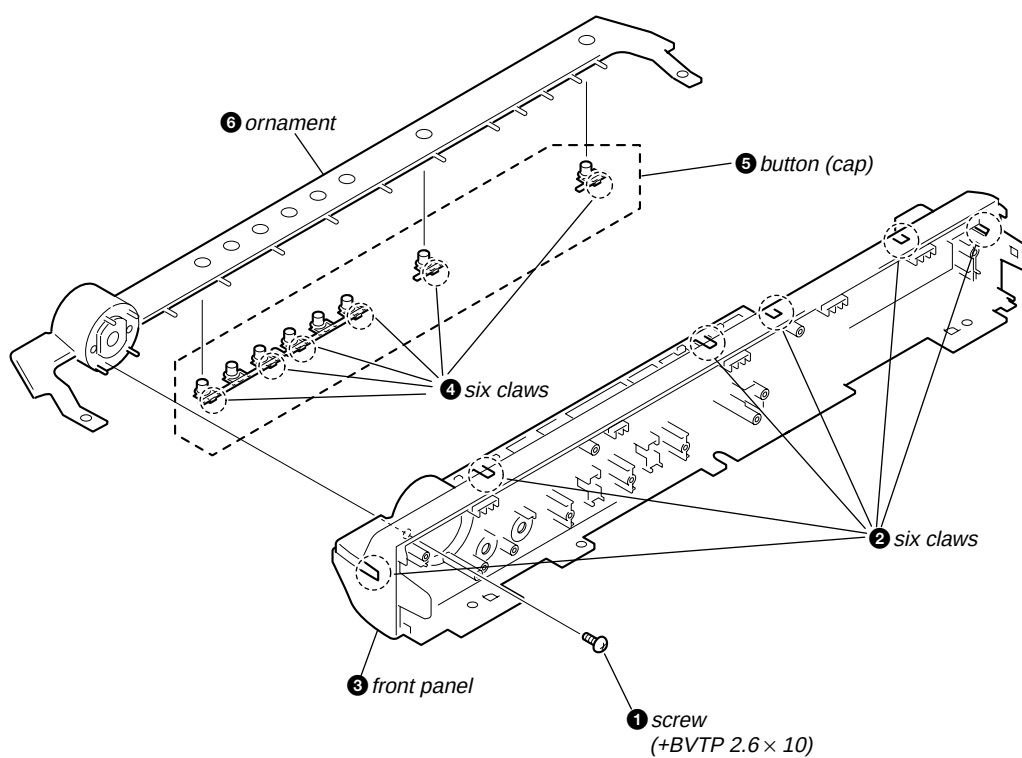
(3) Route the harness as shown below.



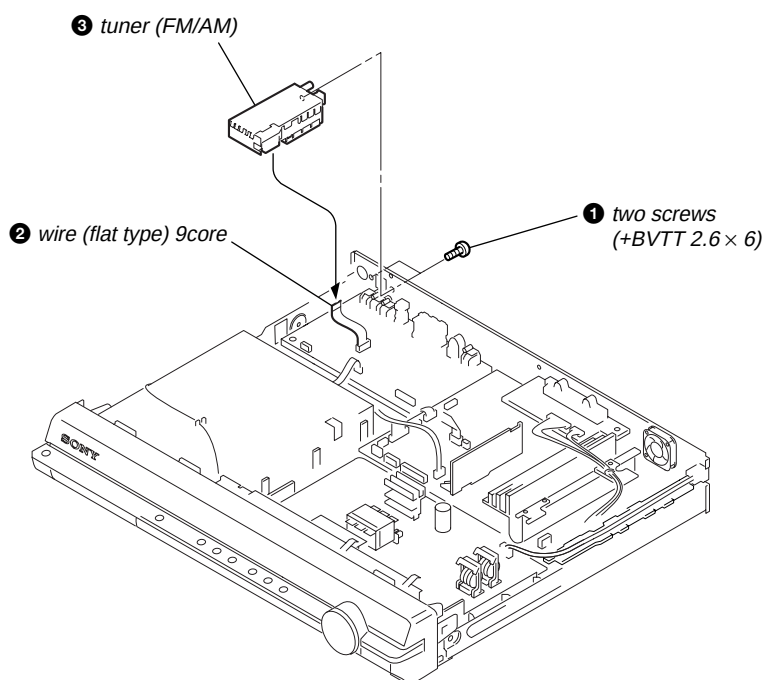
3-4. JACK BOARD, P-SW BOARD



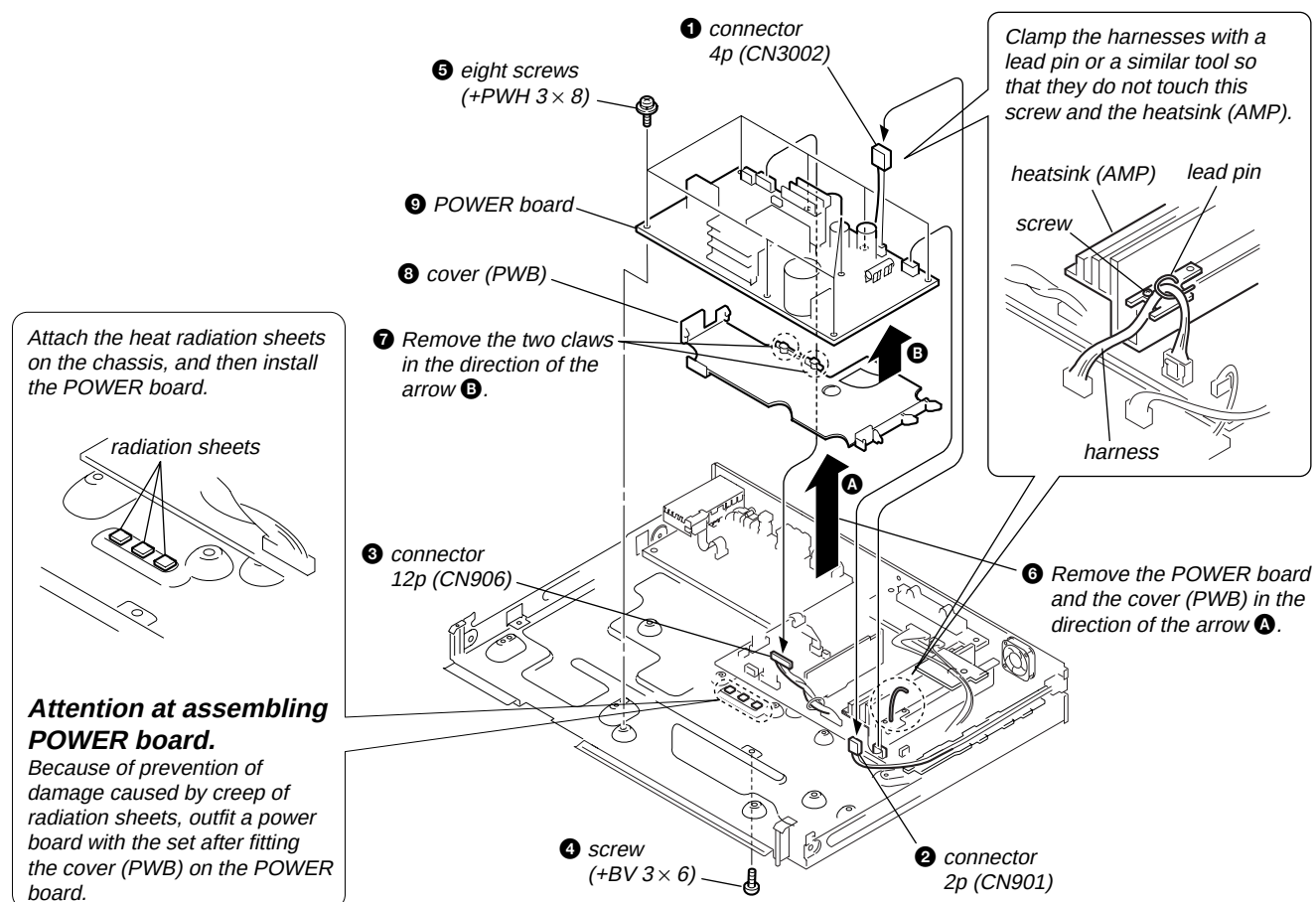
3-5. FRONT PANEL, ORNAMENT



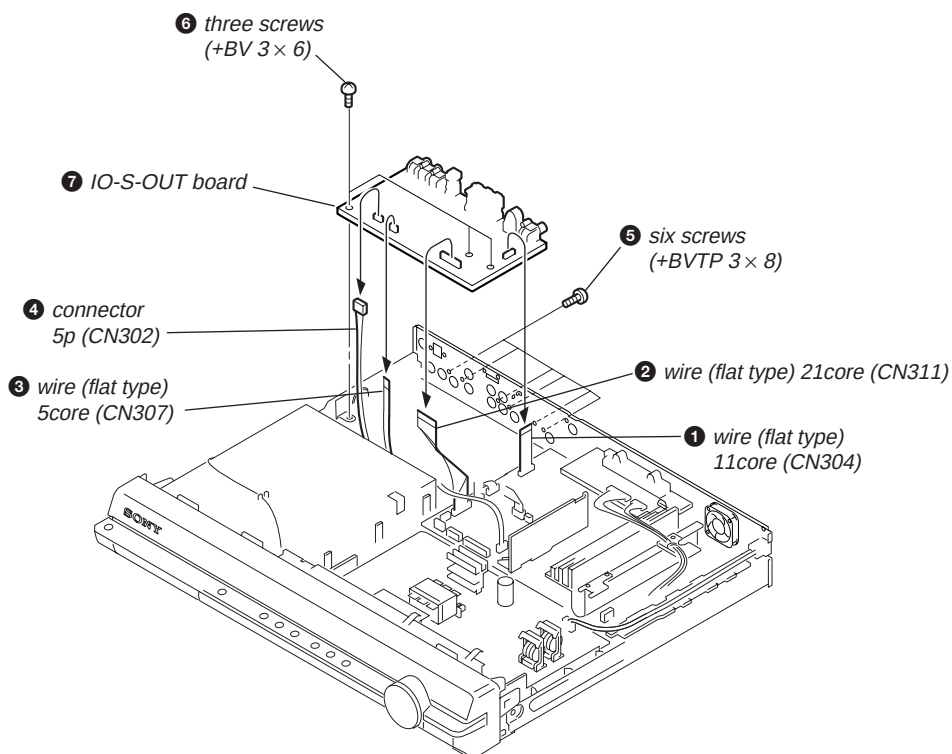
3-6. TUNER (FM/AM)



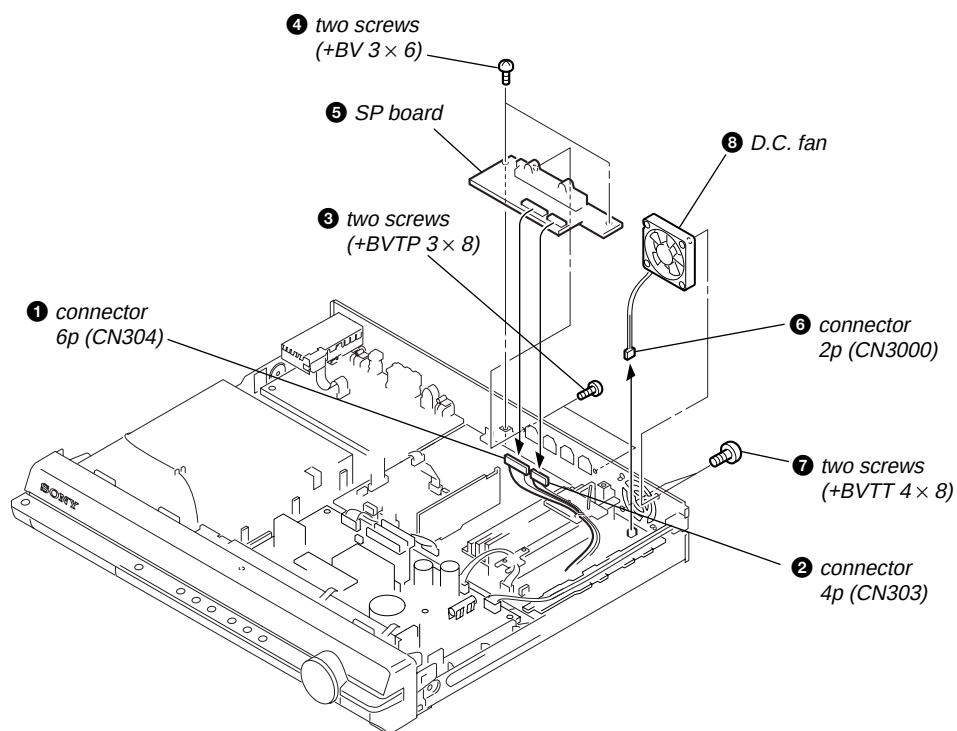
3-7. POWER BOARD



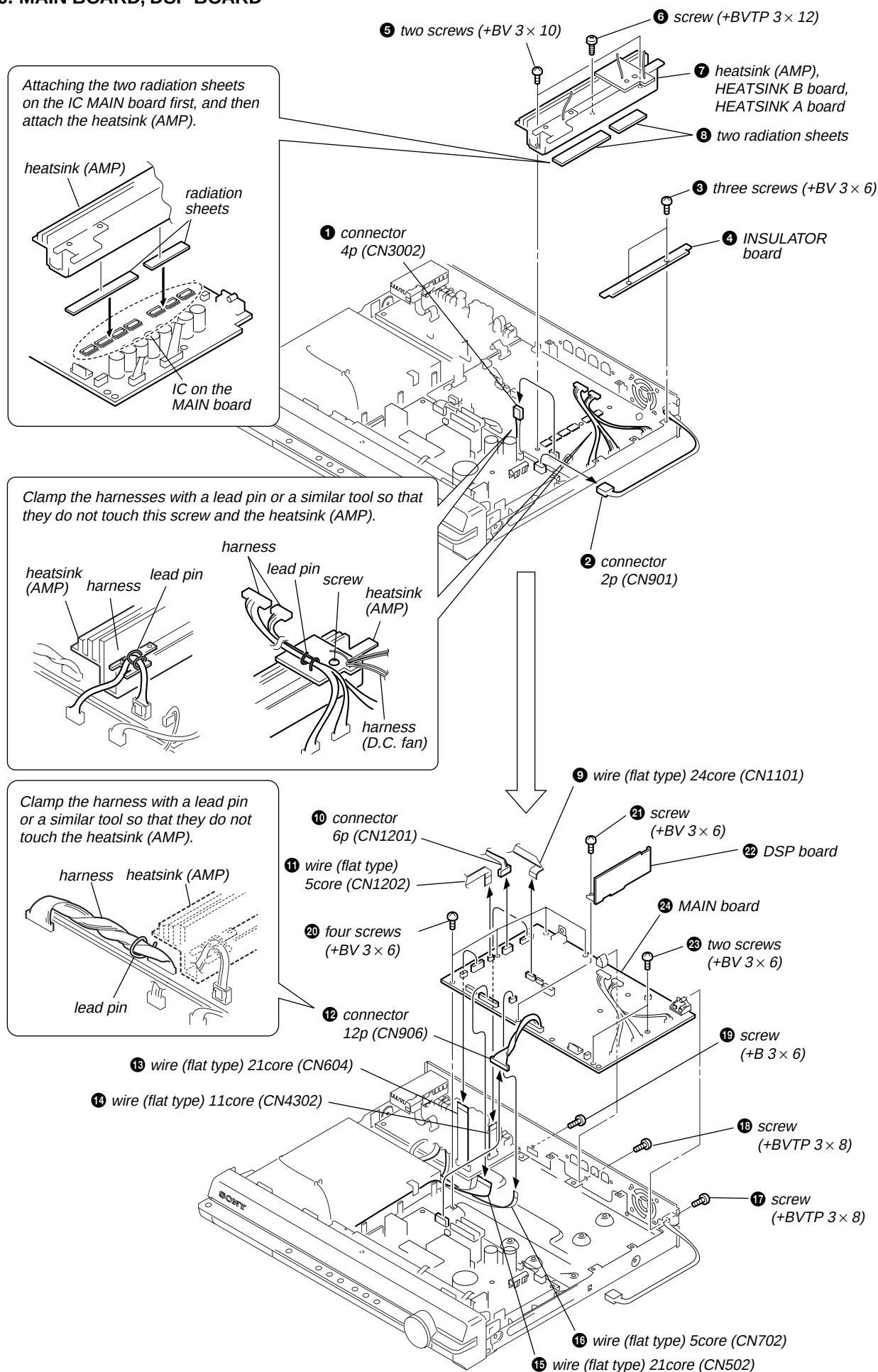
3-8. IO-S-OUT BOARD



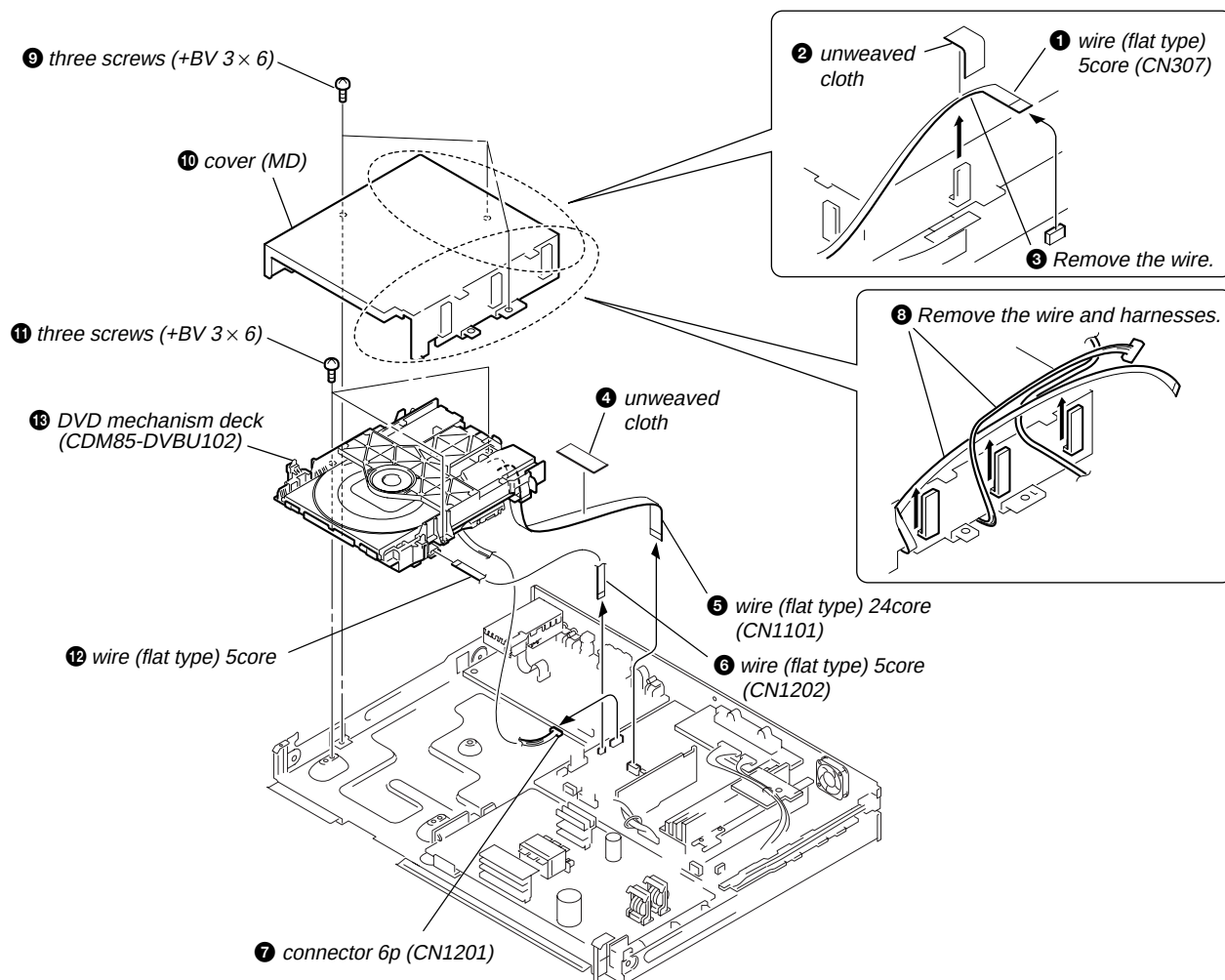
3-9. SP BOARD, D.C. FAN



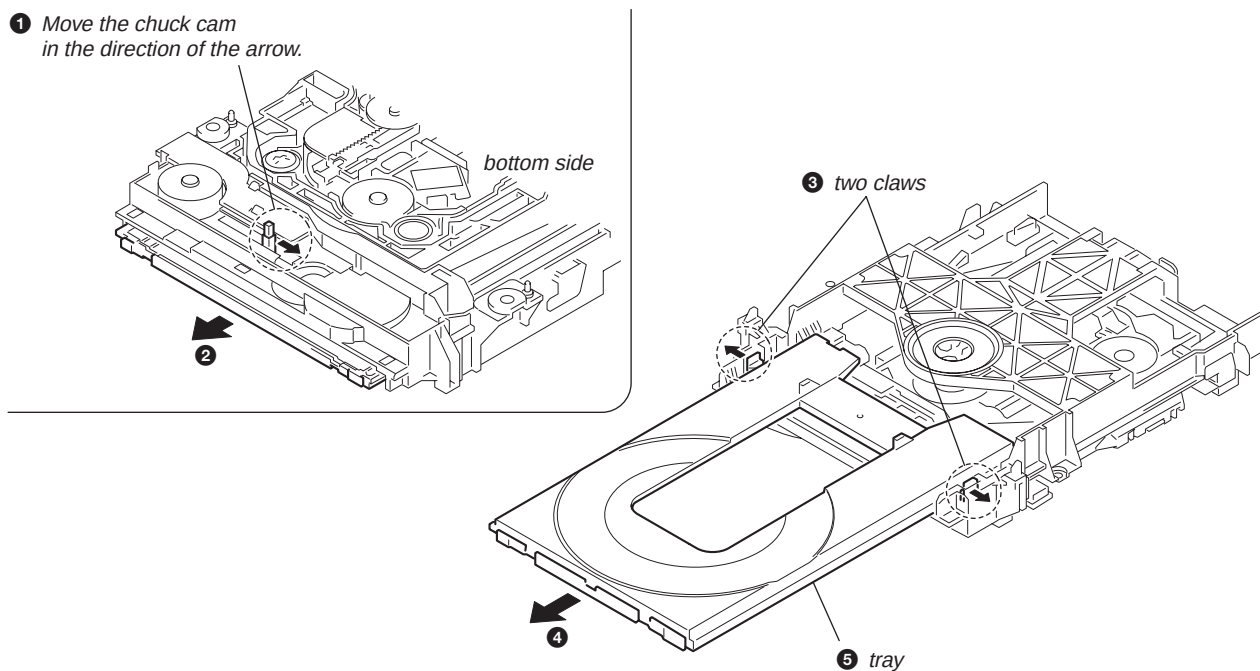
3-10. MAIN BOARD, DSP BOARD



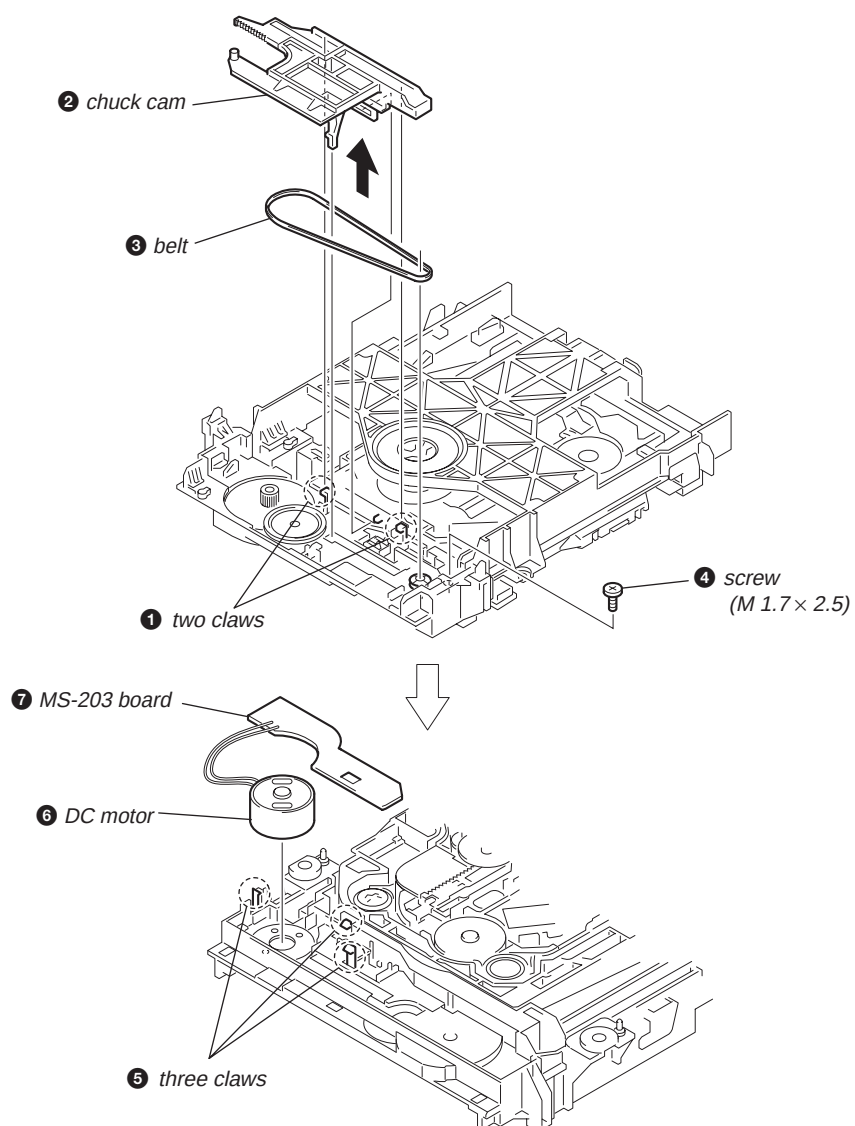
3-11. DVD MECHANISM DECK (CDM85-DVBU102)



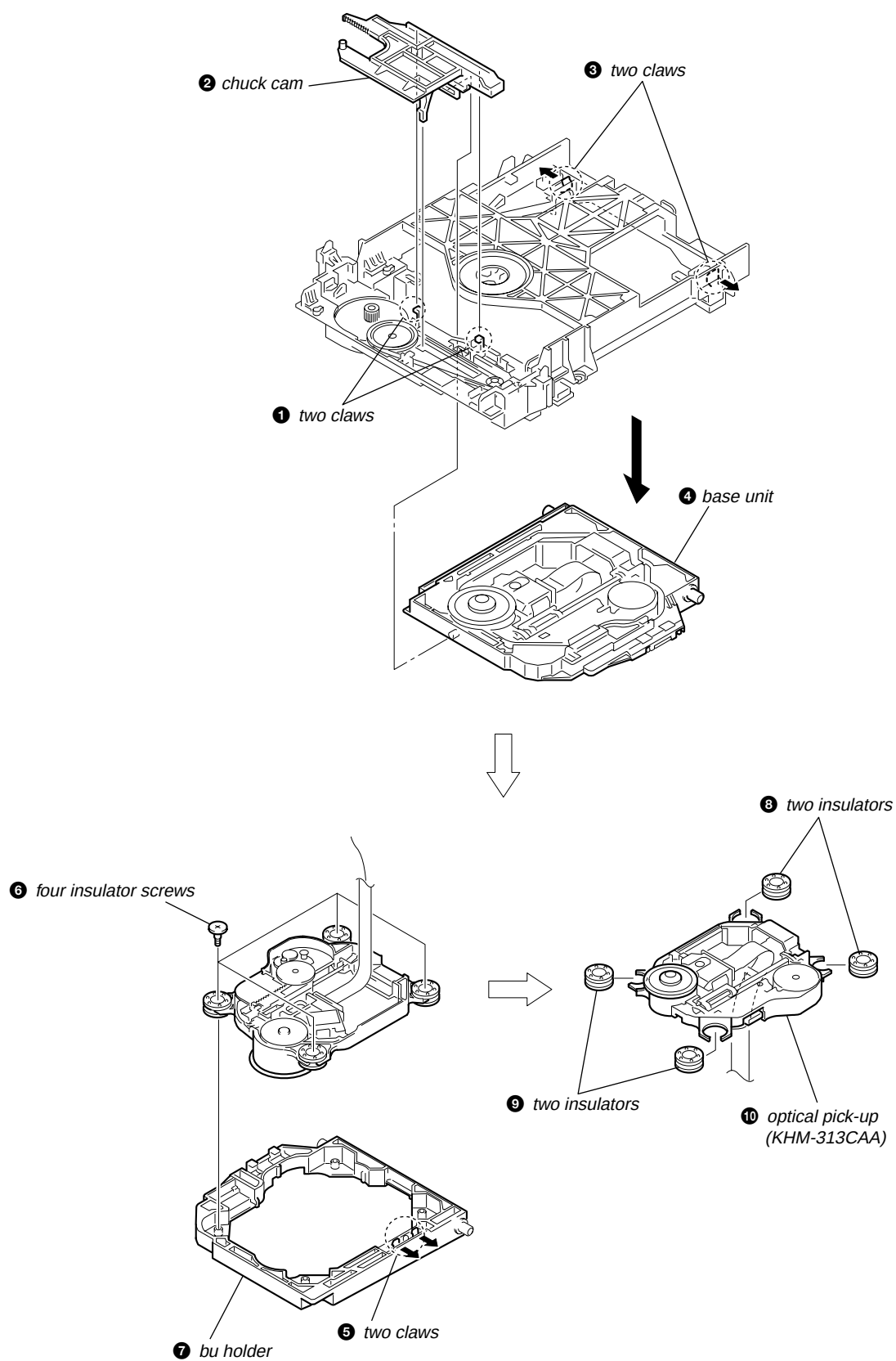
3-12. TRAY



3-13. BELT, MS-203 BOARD



3-14. OPTICAL PICK-UP (KHM-313CAA)



SECTION 4

TEST MODE

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

1. Cold Reset

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

Procedure:

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

2. Panel Test Mode

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

2-1. Display Test Mode

Procedure:

- Press the  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 “BS5K” is displayed, the version test mode is activated.
- Whenever the  button is pressed, the display changes in the following order.
“BS5K” (Model name) → “ASIA2*1” (Destination) → MC → SYS



CEC ← CLA ← TM ← DSP ← TA ← ST ← DVD ← UI ←

*1: ASIA2 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 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  control is turned in the direction of (+), “V0” is changed to “V1”, then ... “V9”.
When the  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  button to turn the power on.
- Press the  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  button.

4. DVD Ship Mode

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

Procedure:

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

5. AM Step Change

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

Procedure:

- Press the  button to turn the power on.
- Select the function “TUNER”, and press  button to select “TUNER AM”.
- Press the  button to turn the power off.
- Press two buttons  and  simultaneously, and the display of fluorescent indicator tube changes to “AM 9k STEP” or “AM 10k STEP”, and thus the channel step is changed over.

6. 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  button to turn the power on.
- Press the  button to set the function “DVD”.
- Remove all discs, and then press three buttons ,  and  simultaneously.
- After the “STANDBY” blinking display finishes, the message “MECHA LOCK” is displayed on the fluorescent indicator tube disconnect the AC power plug, then the ship mode is set.

7. Demo Play Out

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

Setting Procedure:

- Press the  button to turn the power on.
- Press the  button to set the function “DVD”.
- During playback the DEMO Disc, press the  and  buttons for five seconds simultaneously.
- The message “DEMO OFF” is displayed, a mode to reproduct the demonstration is released.

8. Volume Test**Procedure:**

1. Press the  button to turn the power on.
2. Press three buttons ,  and  simultaneously.
3. The message “MEASURE” is displayed.
4. When the  control is turned in the direction of (+), the message “VOLUME MAX” is displayed.
5. When the  control is turned in the direction of (–), the message “VOLUME MIN” is displayed.
6. Press the  button on the remote commander.
7. The message “VOL N” is displayed and  control is normal.
8. Press the  button on the remote commander again.
9. The message “VOL M/N” is displayed and  control is “MAX” and “MIN”.
10. To exit from this mode, press the  button to turn the set off, the message “COLD RESET” is displayed.

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  button.

* Buttons other than the  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  button.

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 ,  and  buttons at the same time during the protection state (during the “PROTECTOR  PUSH POWER” display).
 - ⇒ When SD is detected: Repeats “SD DETECT  PUSH POWER”.
 - ⇒ When DC is detected: Repeats “DC DETECT  PUSH POWER”.

PL: SD detection

When the “L” output from the SD (shutdown) port on the S-MASTER POWER Driver is detected, the power system other than that of the FL tube is turned off, and the protection state is established.

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.

10. Automatic Acoustic Field Calibration Microphone Test Mode**Procedure:**

1. Press the  button to turn the power on.
2. Press the  button to set the function “DVD”.
3. While pressing the  and  buttons simultaneously, turn the  control in the direction of (+) .
4. Insert ECM-AC2 supplied as an accessory into the AUDIO IN/MIC 1/A.CAL MIC jack.
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.

Content of display	Discriminant state
NON	Not detected
ST	STEREO
MN	MONO

J A C K	* * *
	①

6. To exit from this mode, press the  button to turn the power off.

11. Color System Change-over (Singapore and Thai models)

It is a mode to switch the color system (PAL/NTSC).

Procedure:

1. Press the  button to turn the power on
2. Press the  button to set the function “DVD”.
3. Press the  button to turn the power off.
4. While pressing the  button, press the  button simultaneously.
5. Each time you perform this operation the color system toggles between PAL and NTSC. “NTSC” lights up in the front display when “NTSC” is selected.

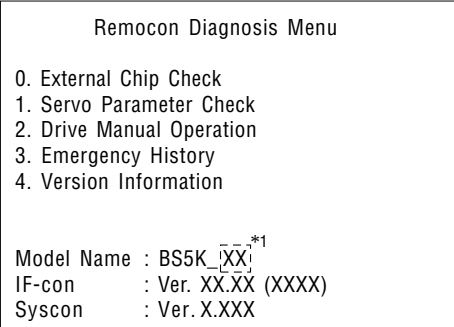
DVD SECTION

12-1. 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.

12-2. 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.



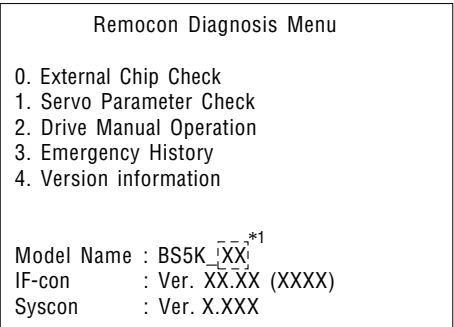
*1: Changes depending on destination

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  button on the remote commander.

12-3. Executing IOP Measurement

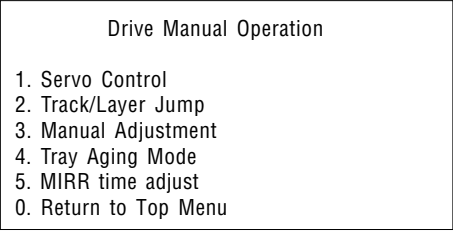
In order to execute IOP measurement, the following standard procedures must be followed.

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

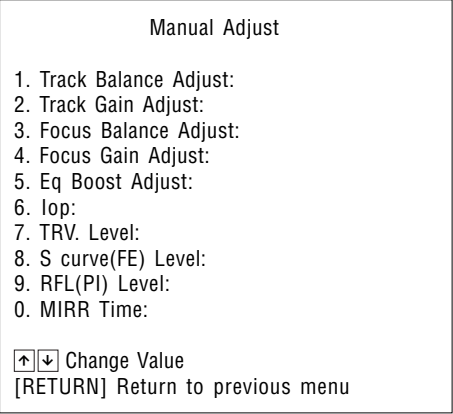


*1: Changes depending on destination

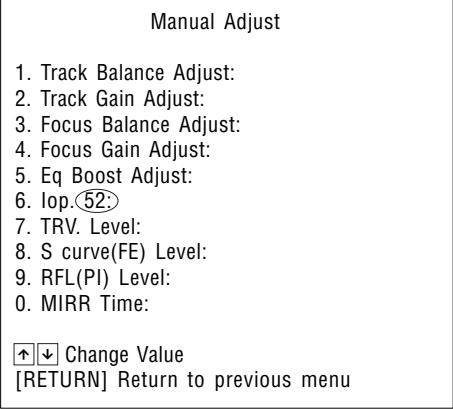
- (2) Select “2. Drive Manual Operation” by pressing the  button on the remote commander. The screen will appear as shown.



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



- (4) Select “6.IOP” by pressing the  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  button on the remote commander to return back to previous menu.
- (11) Press the  button on the remote commander to return to Top Menu.

12-4. Emergency History

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

- 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	999h				59min			
				DVD	999h				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												
[0] Return to Top Menu												

- 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.
- 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	999h				59min			
				DVD	999h				59min			
01.	*1	*2			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												
[0] 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

12-4-1. 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	0h				0min			
				DVD	0h				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												
[0] Return to Top Menu												

12-4-2. 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	999h				59min			
				DVD	999h				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												
[0] Return to Top Menu												

12-4-3. 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			
[0] Return to Top Menu			

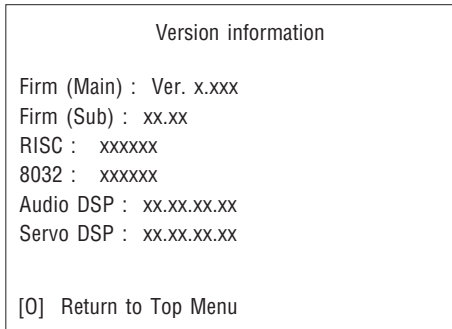
12-4-4. Return to the Top Menu of Remocon Diagnosis Menu

Press  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  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  button on the remote commander.

SECTION 5 ELECTRICAL ADJUSTMENT

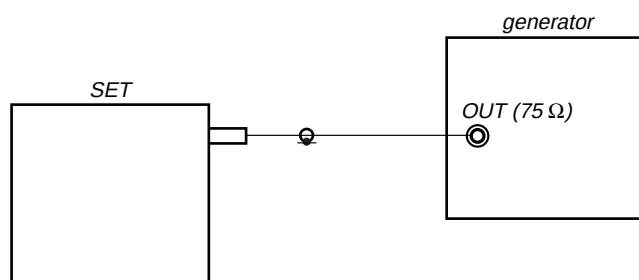
DVD SECTION

When the optical pick-up assy is replaced, perform the “Executing IOP Measurement”.

Executing IOP Measurement (See page 26)

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 Schematic Diagrams.

Note:

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

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

-  : B+ Line.
-  : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages and waveforms are dc with respect to ground in service mode.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
no mark : DVD STOP
* : Impossible to measure
- Voltages are taken with VOM (Input impedance 10 M Ω).
- Circled numbers refer to waveforms.
- Signal path.
 -  : AUDIO
 -  : CD PLAY
 -  : DVD PLAY
 -  : TUNER
 -  : VIDEO
 -  : Y
 -  : CHROMA
 -  : COMPONENT VIDEO
 -  : AUDIO IN
 -  : DIGITAL IN
- Abbreviation
 - E32 : 110 – 240V AC area in E model
 - MX : Mexican model
 - SP : Singapore model
 - TH : Thai model

For Printed Wiring Boards.

Note:

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

Caution:

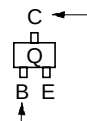
Pattern face side: Parts on the pattern face side seen from (SIDE B) the pattern face are indicated.

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

- Indication of transistor.

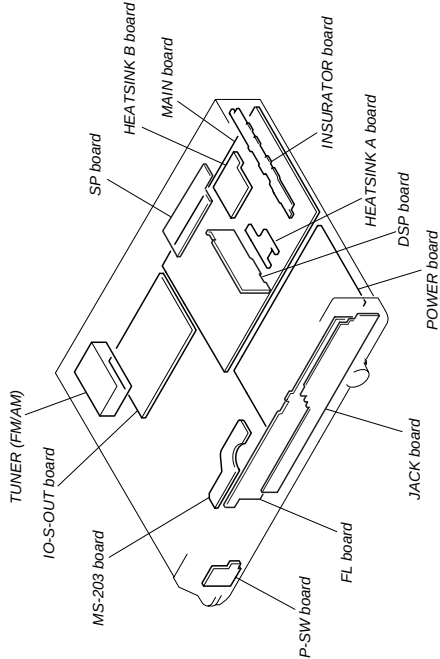


These are omitted



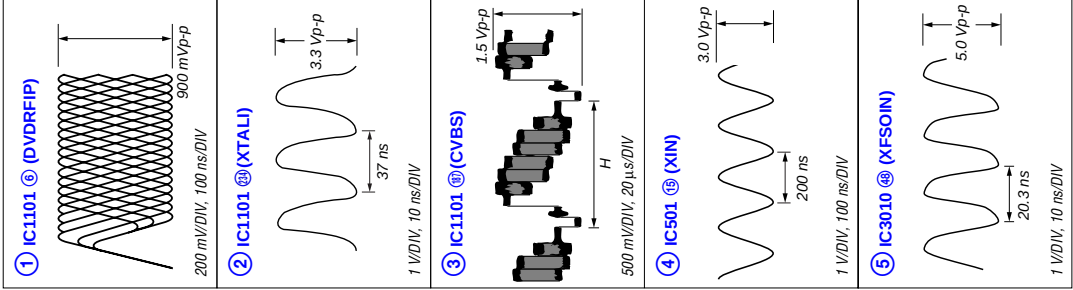
These are omitted.

• Circuit Boards Location

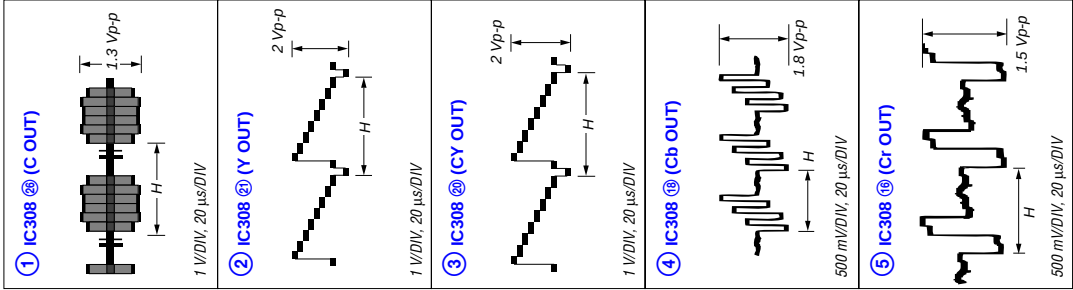


• Waveforms

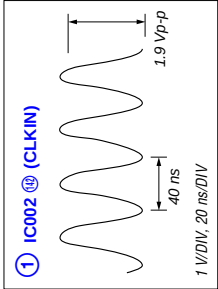
– MAIN Board –



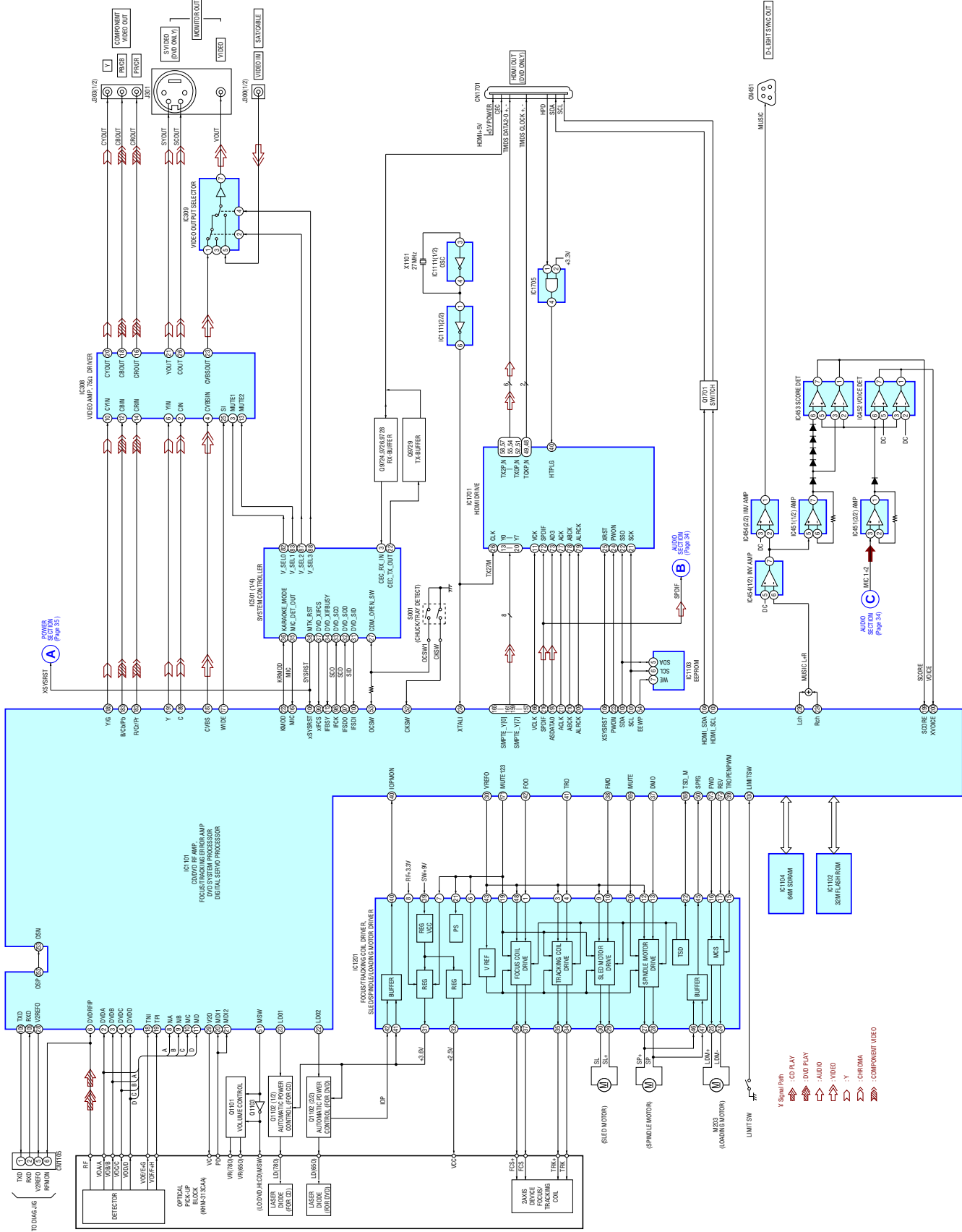
– IO-S-OUT Board –

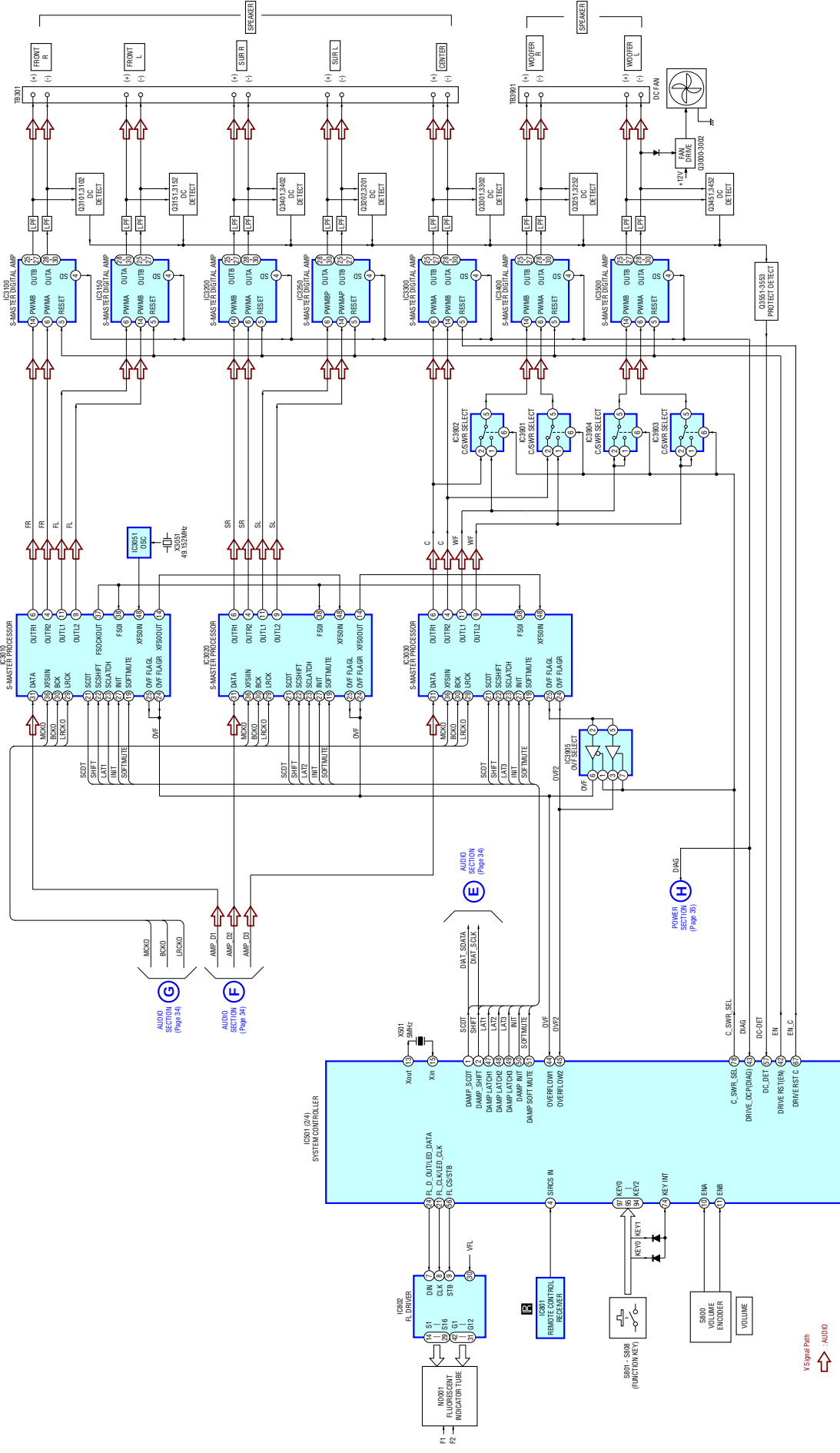


– DSP Board –



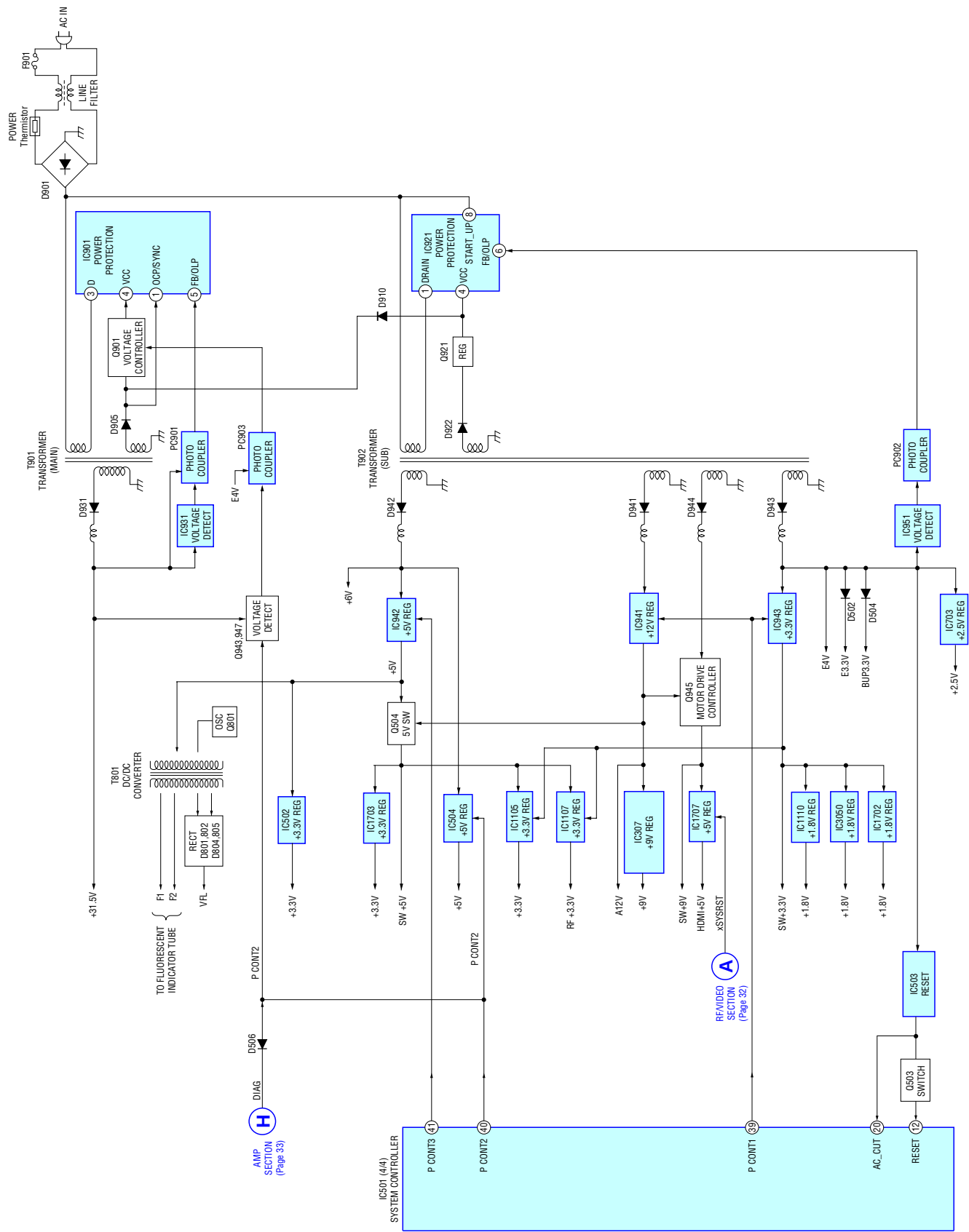
6-1. BLOCK DIAGRAM - RF/VIDEO SECTION -







6-4. BLOCK DIAGRAM – POWER SECTION –

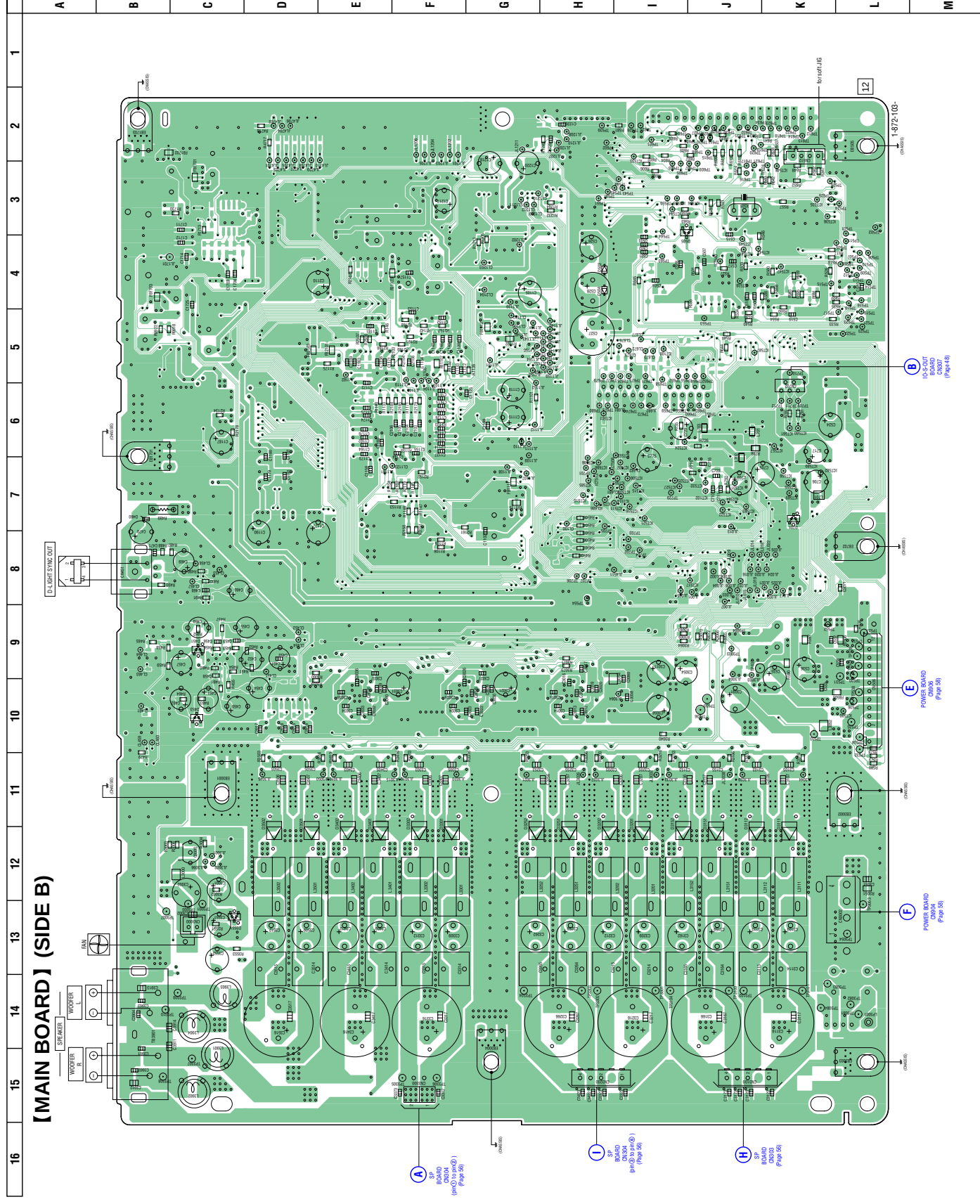




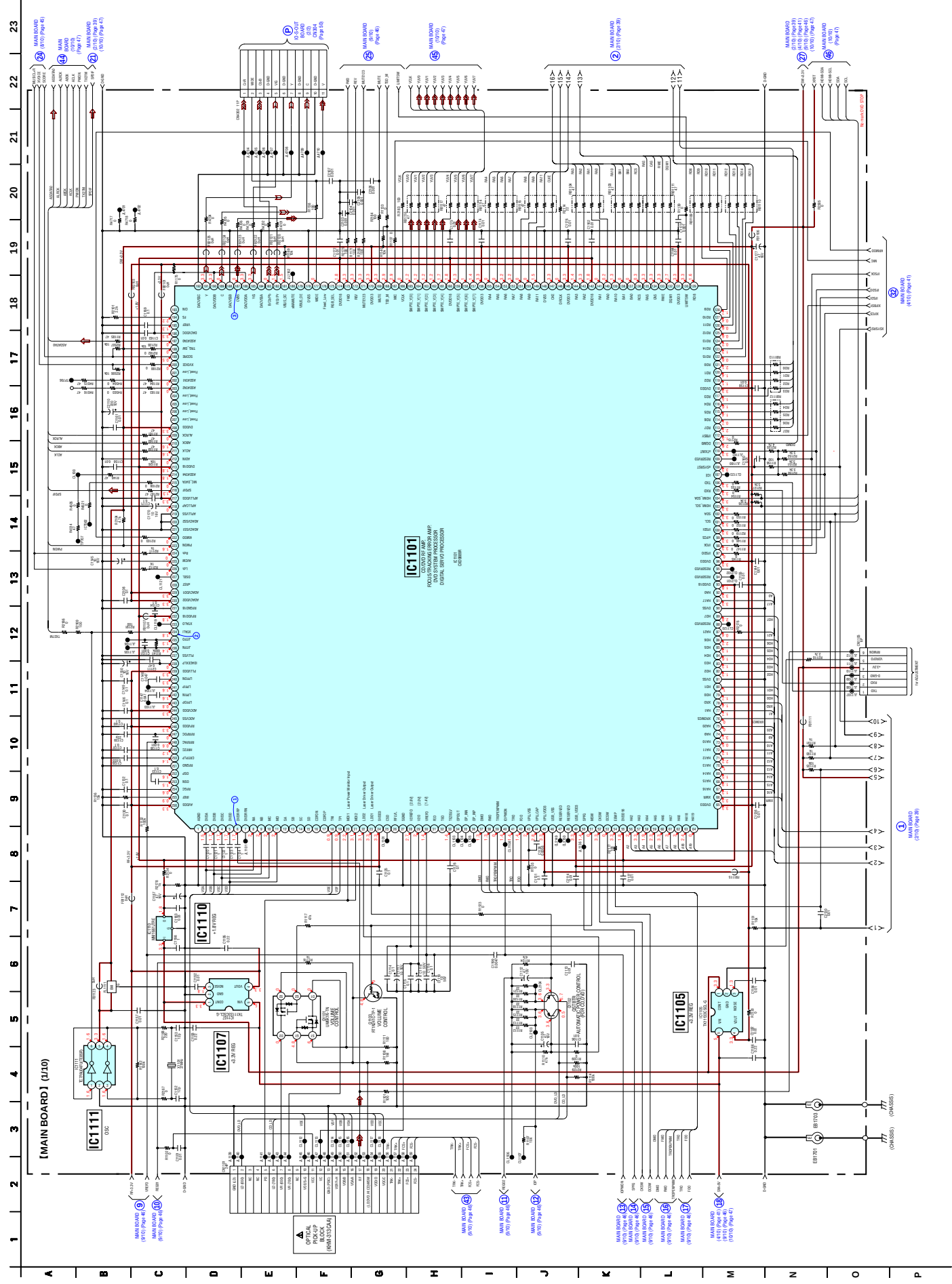
【MAIN BOARD】 (SIDE B)

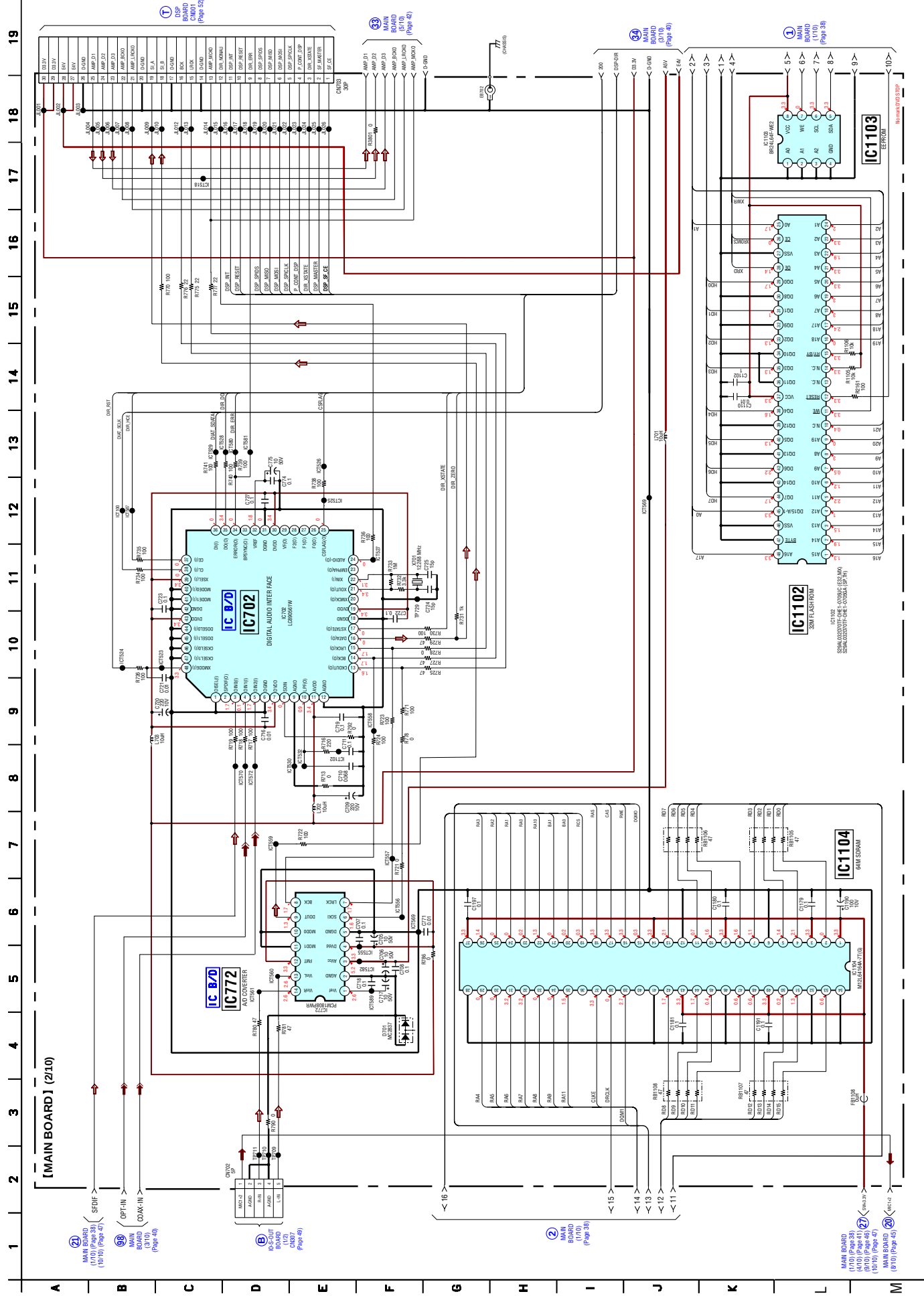
- Semiconductor Location

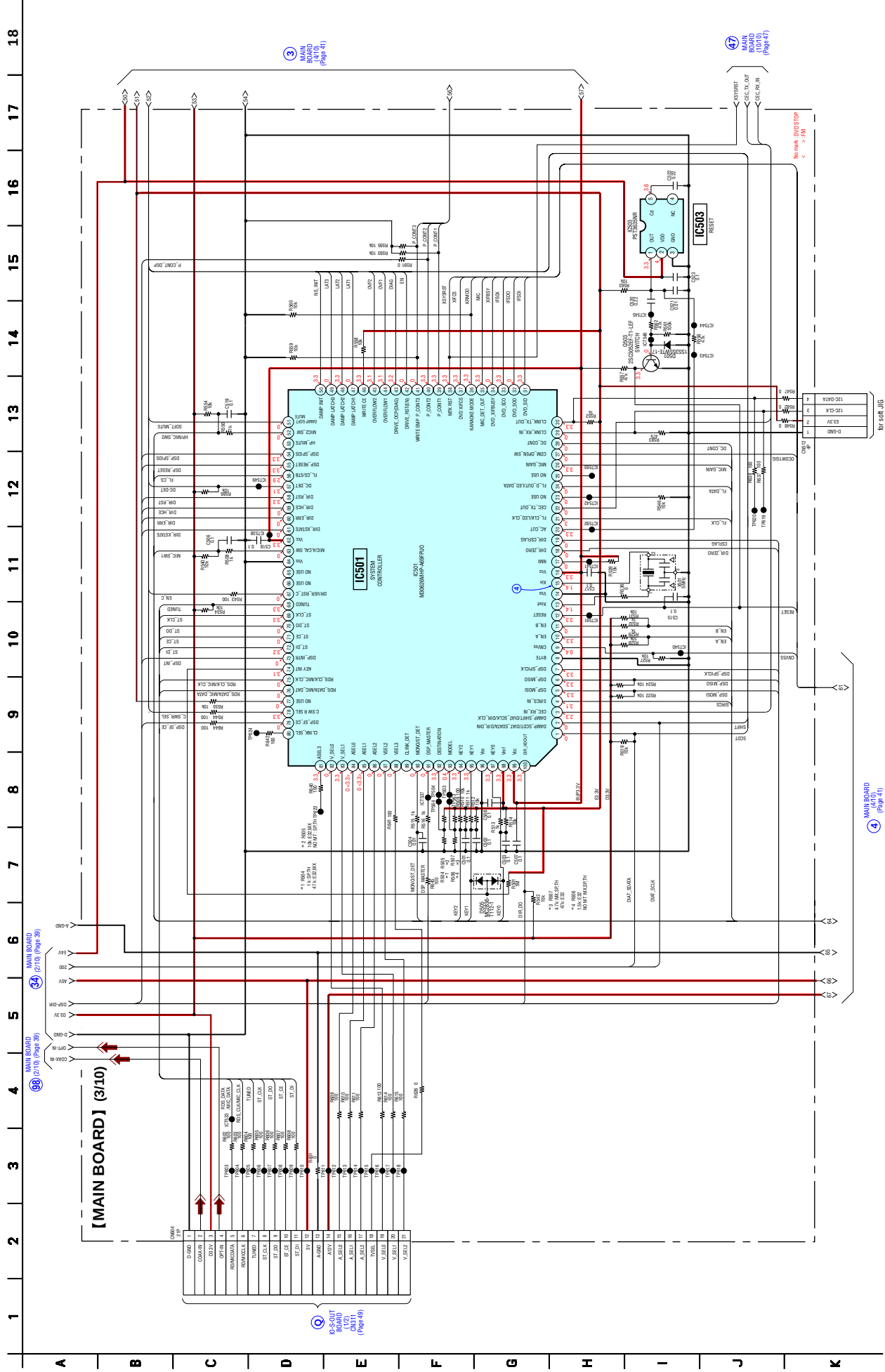
Ref. No.	Location
D451	C-9
D453	C-10
D460	B-7
D502	H-4
D504	H-4
D505	J-3
D701	K-7
D3111	K-12
D3112	J-12
D3151	J-12
D3152	I-12
D3201	I-12
D3202	H-12
D3251	H-12
D3252	G-12
D3301	F-12
D3302	F-12
D3401	E-12
D3402	E-12
D3501	D-12
D3502	D-12
D3551	C-13
Q3000	C-12

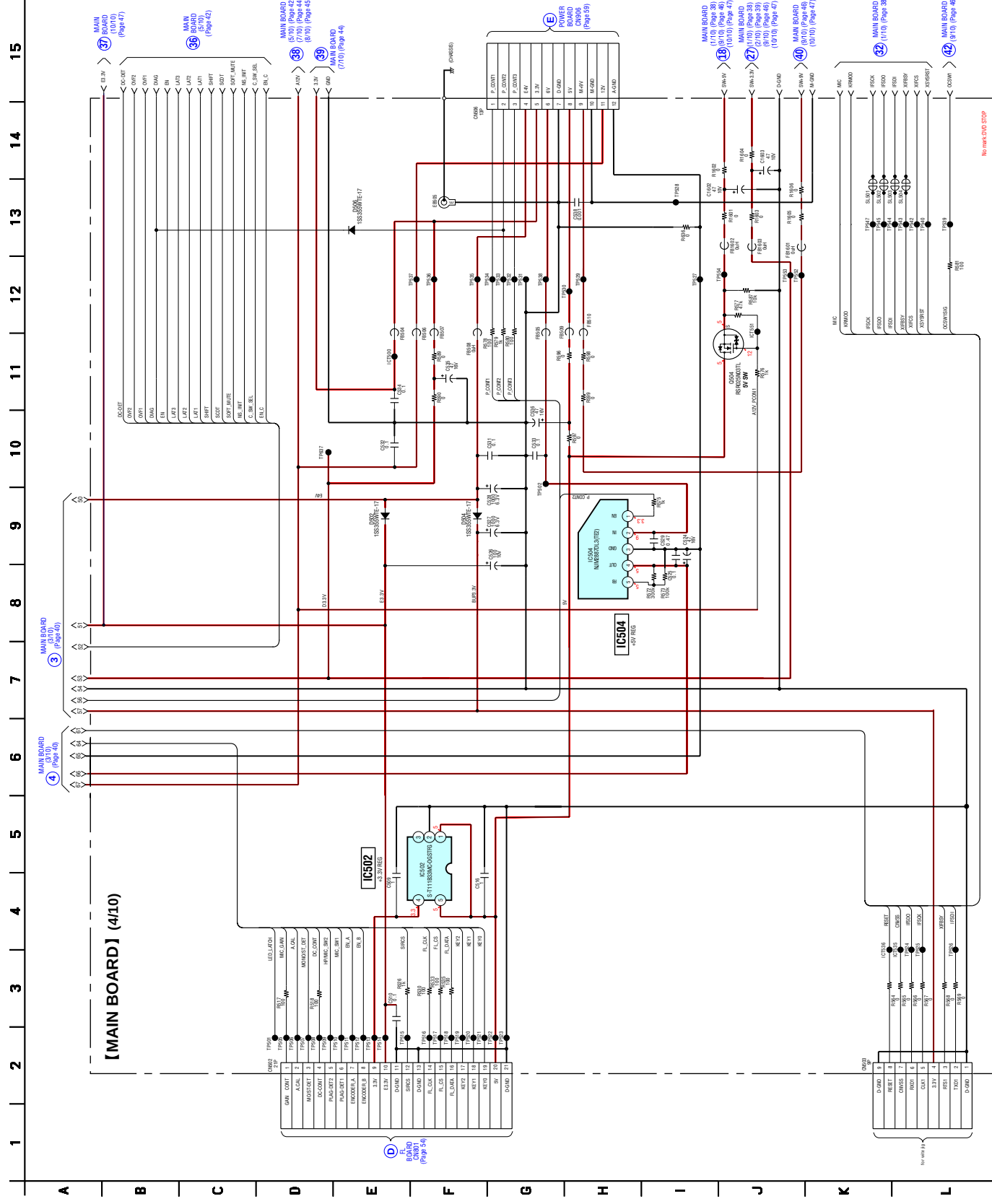


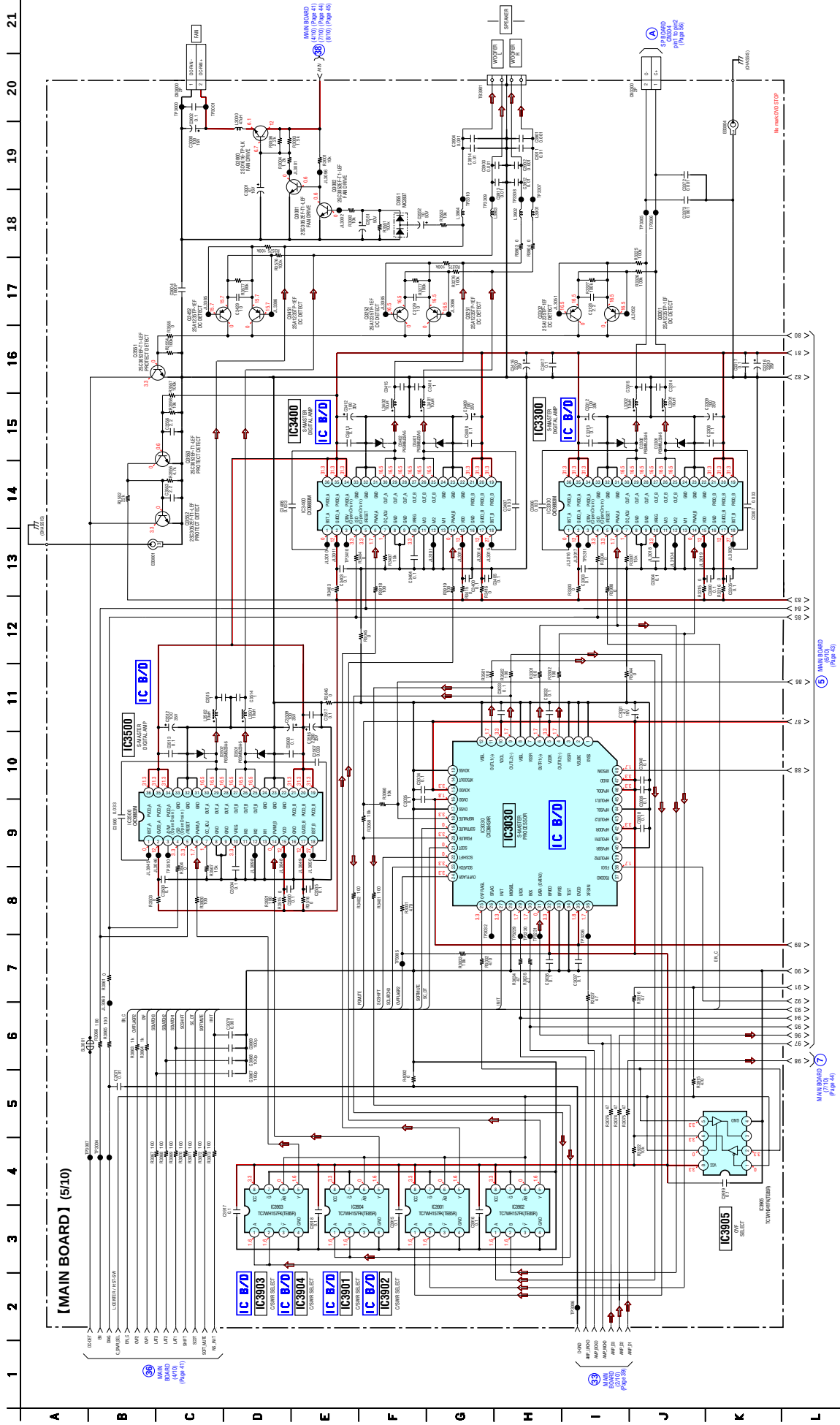
6-7. SCHEMATIC DIAGRAM – MAIN BOARD (1/10) – • See page 31 for Waveforms. • See page 66 for IC Pin Function Description.



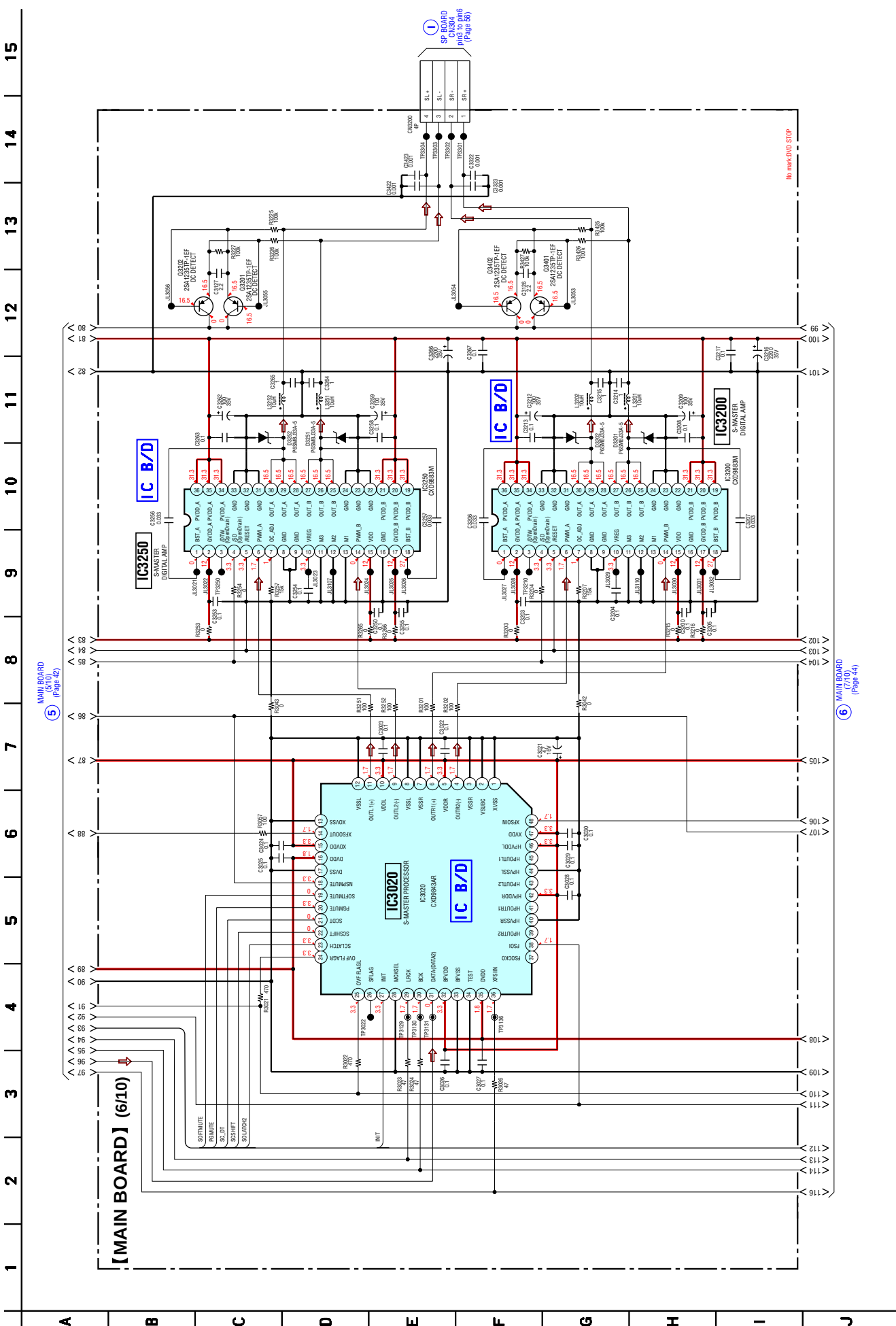


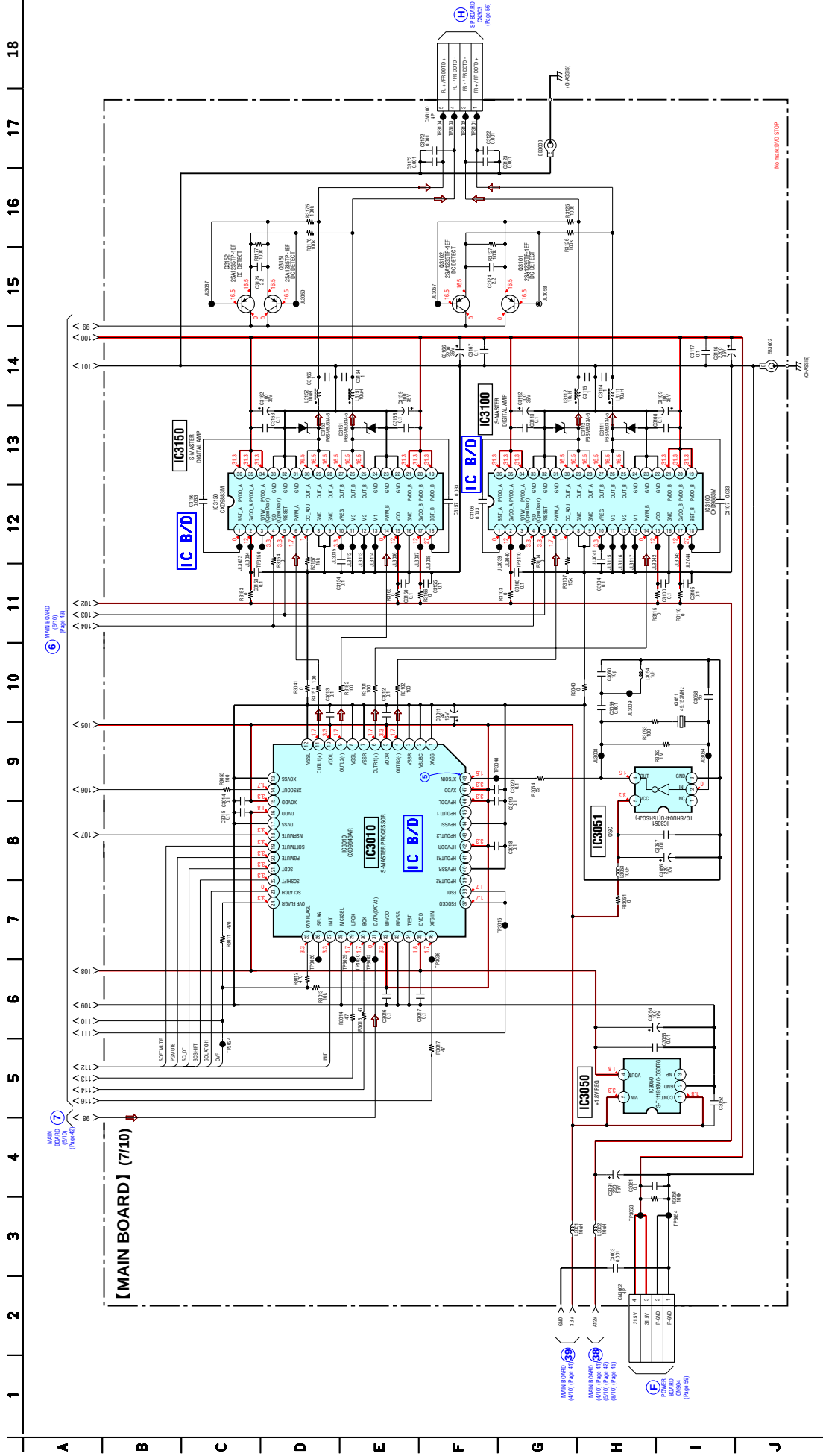




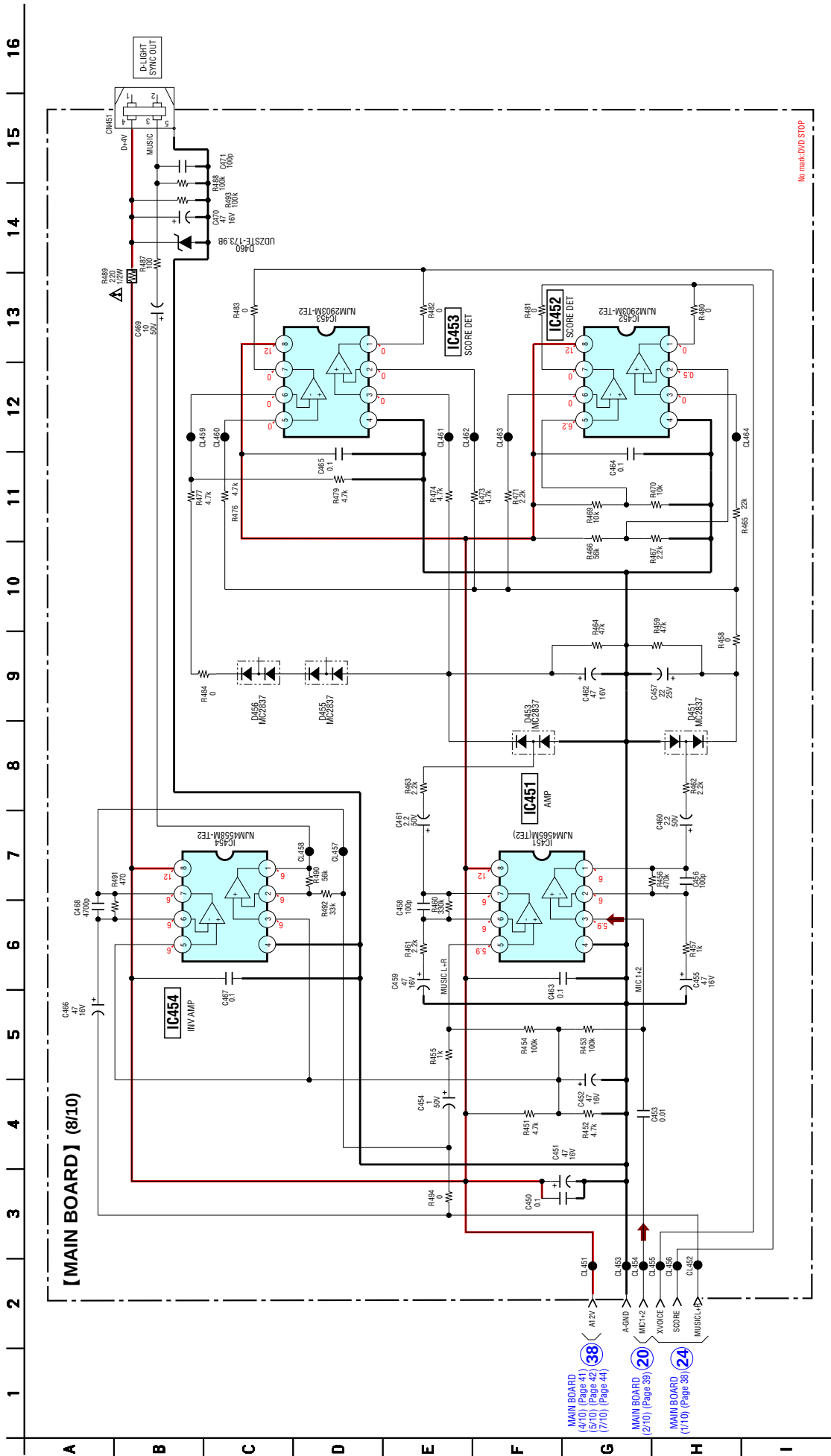


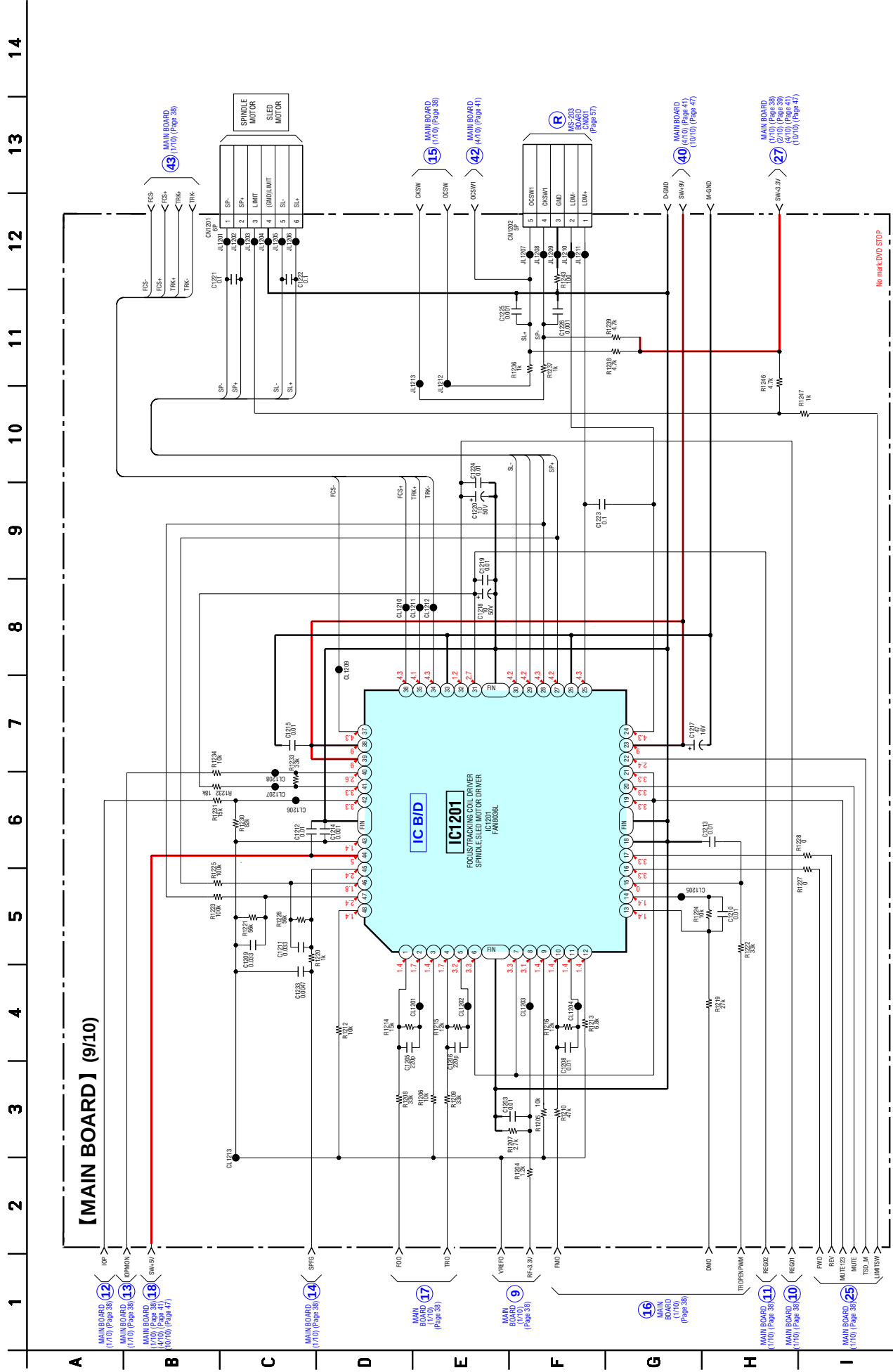
6-12. SCHEMATIC DIAGRAM - MAIN BOARD (6/10) - • See page 60, 62 for IC Block Diagrams.



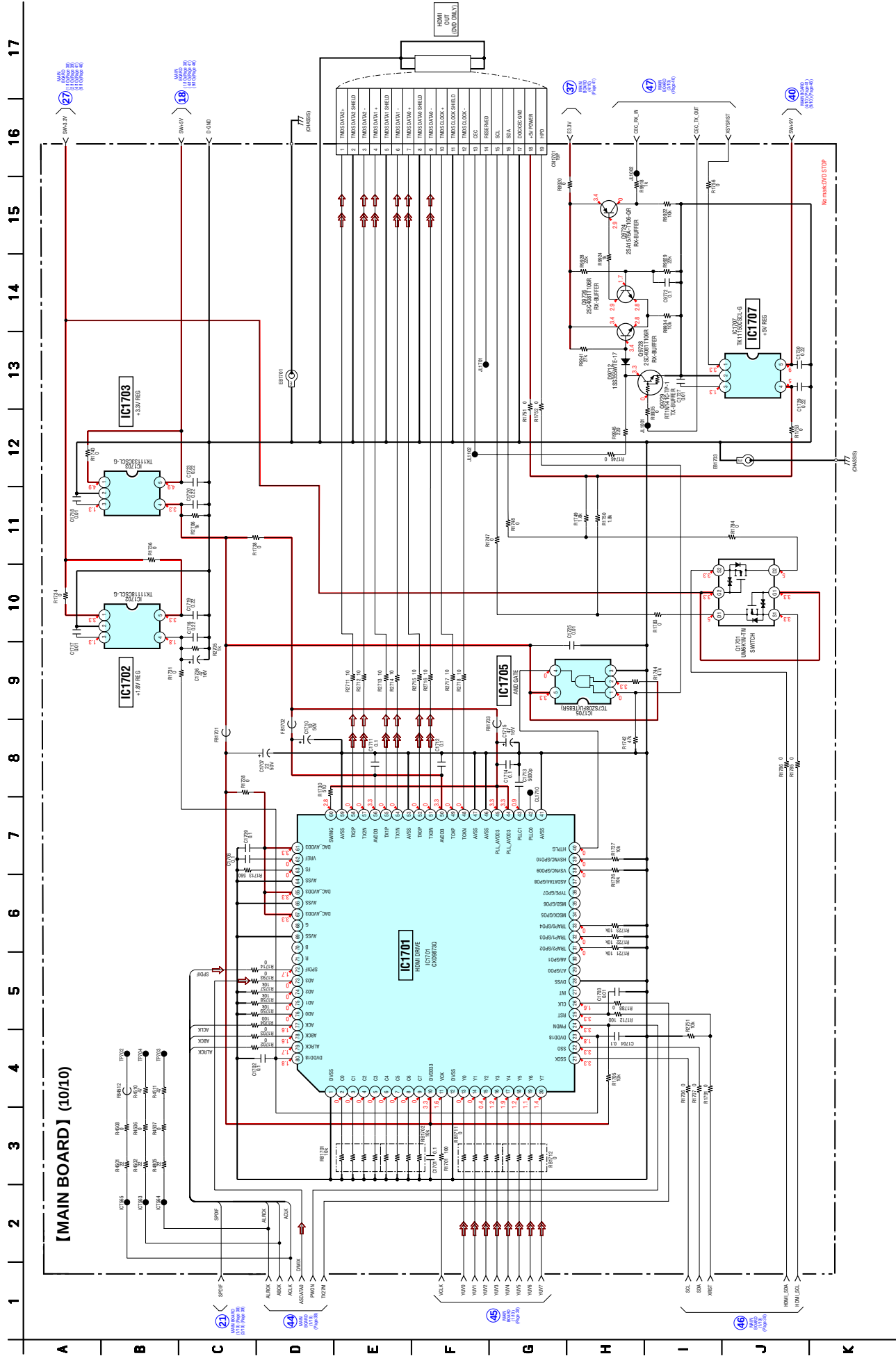


6-14. SCHEMATIC DIAGRAM - MAIN BOARD (8/10) -



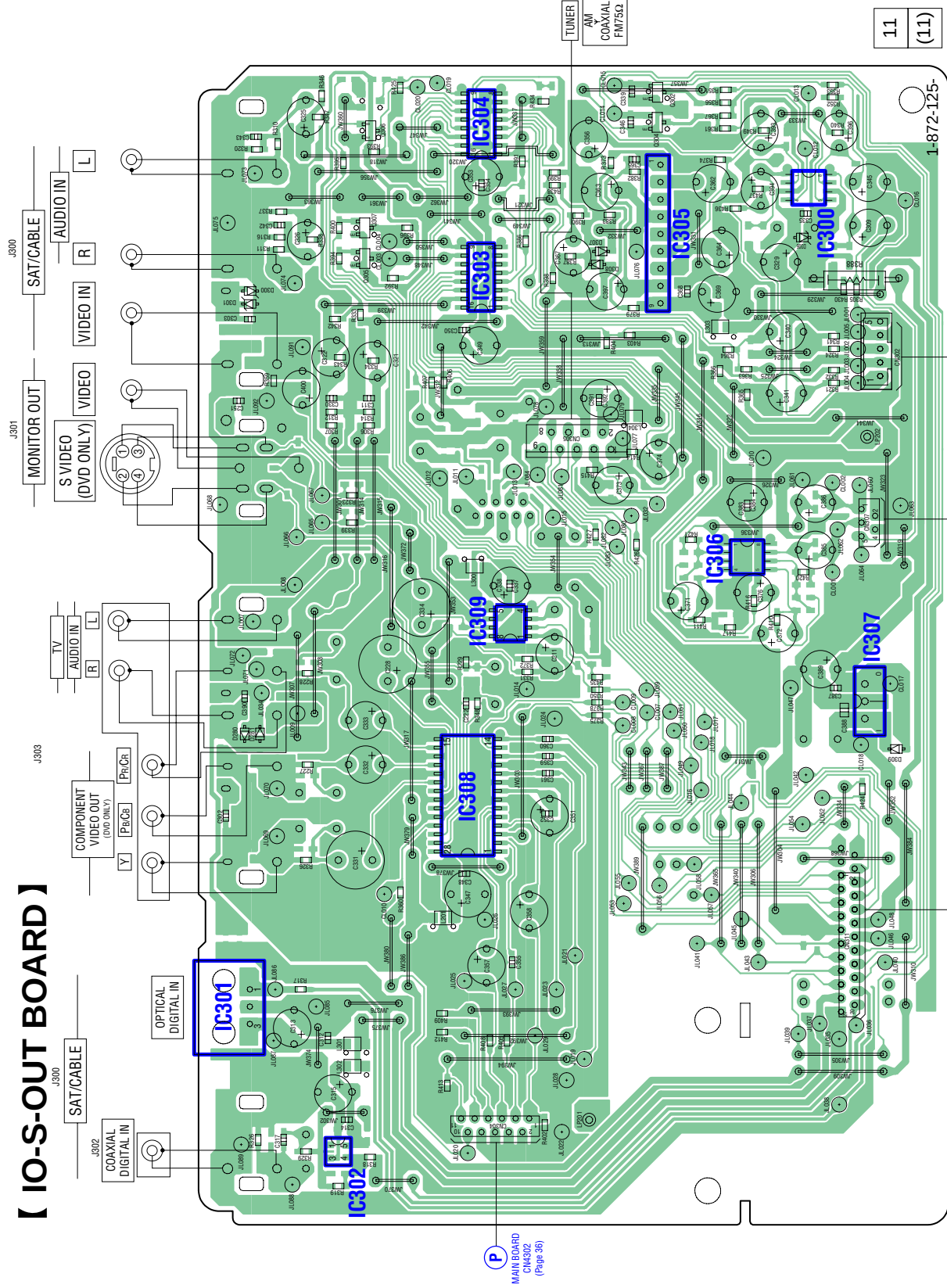


6-16. SCHEMATIC DIAGRAM – MAIN BOARD (10/10) – • See page 74 for IC Pin Function Description.

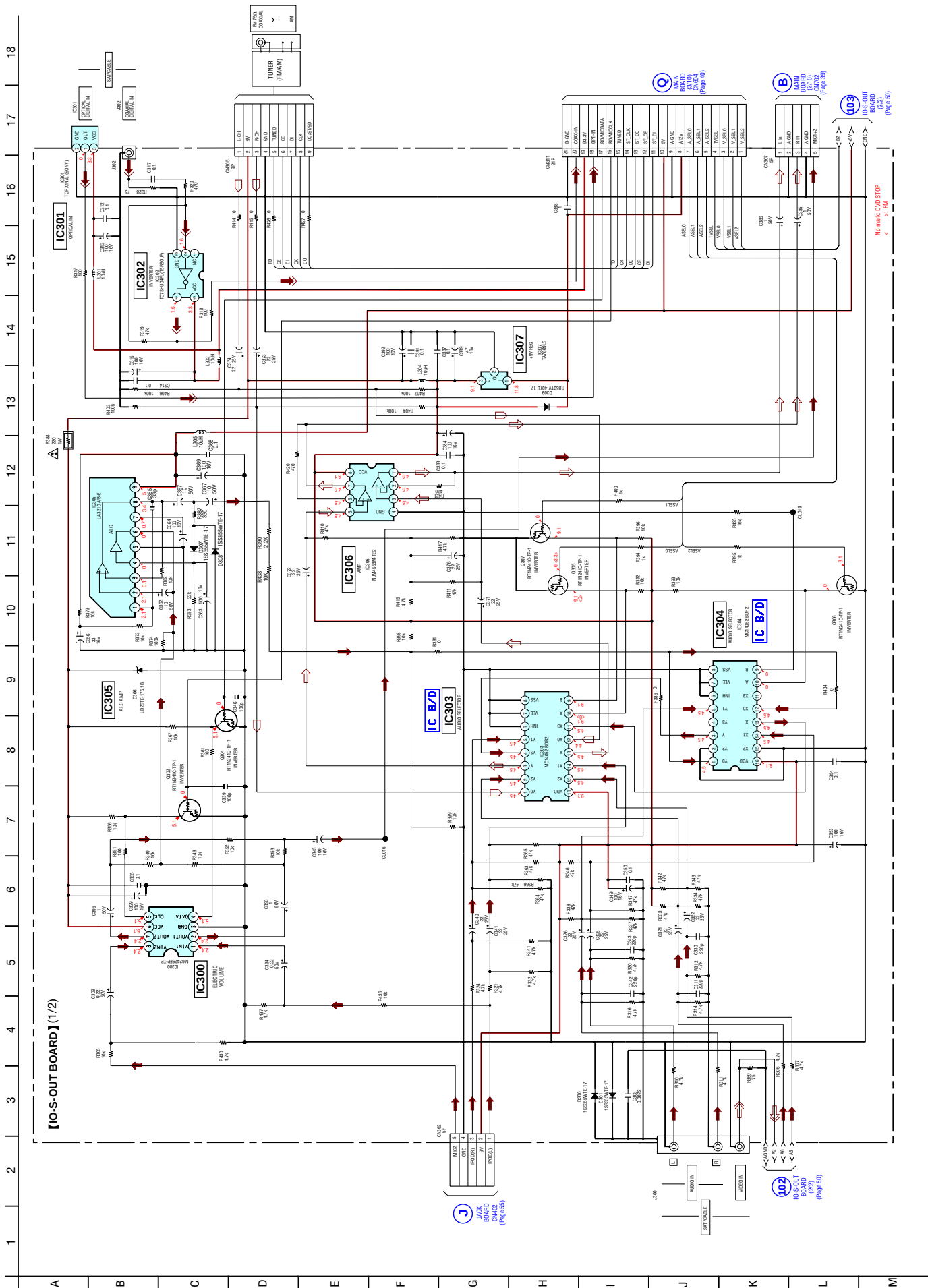


- **Semiconductor Location**

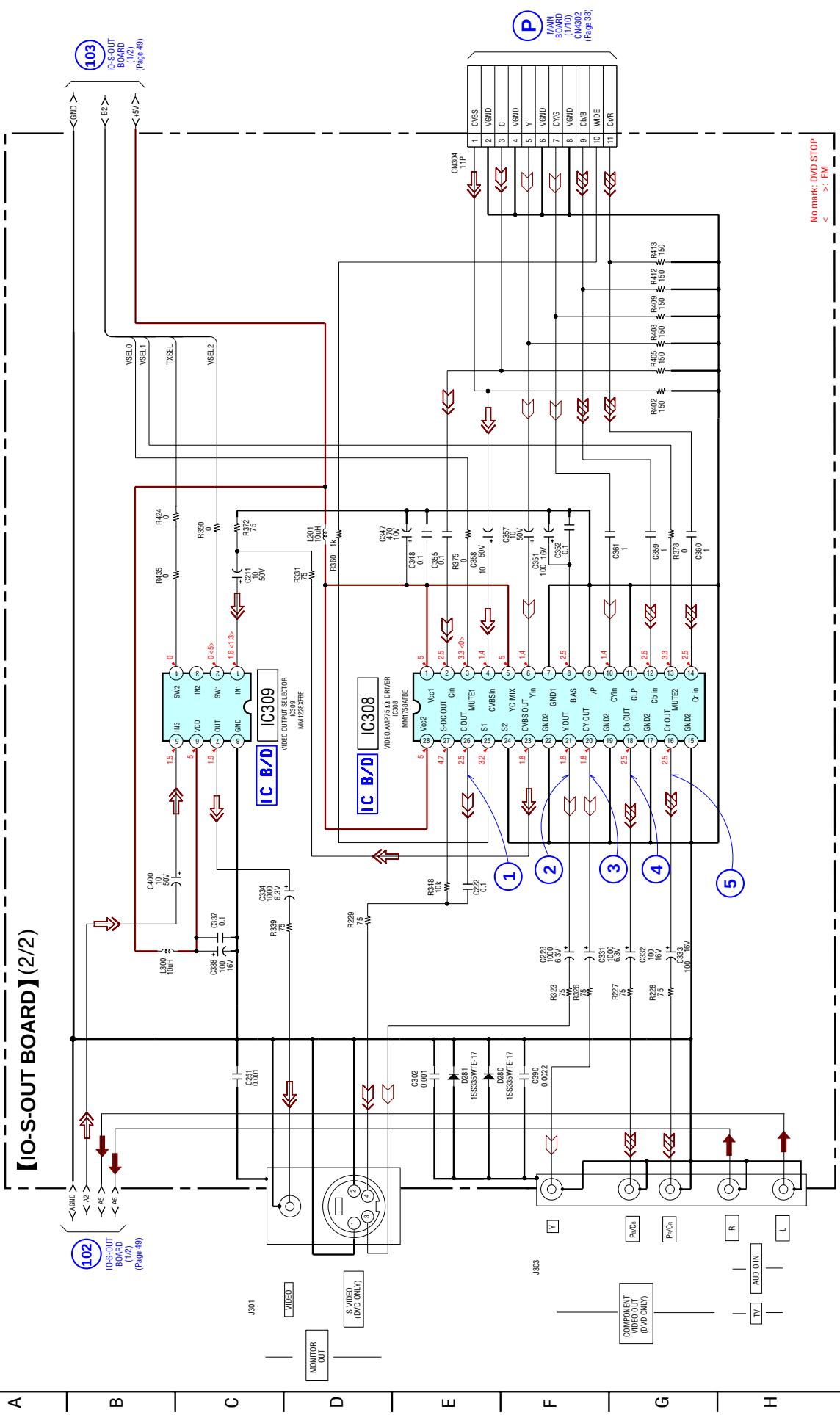
Ref. No.	Location
D280	D-9
D281	D-9
D300	D-14
D301	D-14
D306	L-15
D307	L-15
D308	I-15
D309	M-8
IC300	L-16
IC301	D-5
IC302	F-3
IC303	G-15
IC304	G-17
IC305	J-16
IC306	K-11
IC307	L-9
IC308	G-8
IC309	H-10
Q302	J-17
Q304	J-17
Q305	E-15
Q306	F-17
Q307	E-15



6-18. SCHEMATIC DIAGRAM – IO-S-OUT BOARD (1/2) – • See page 63 for IC Block Diagrams.



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



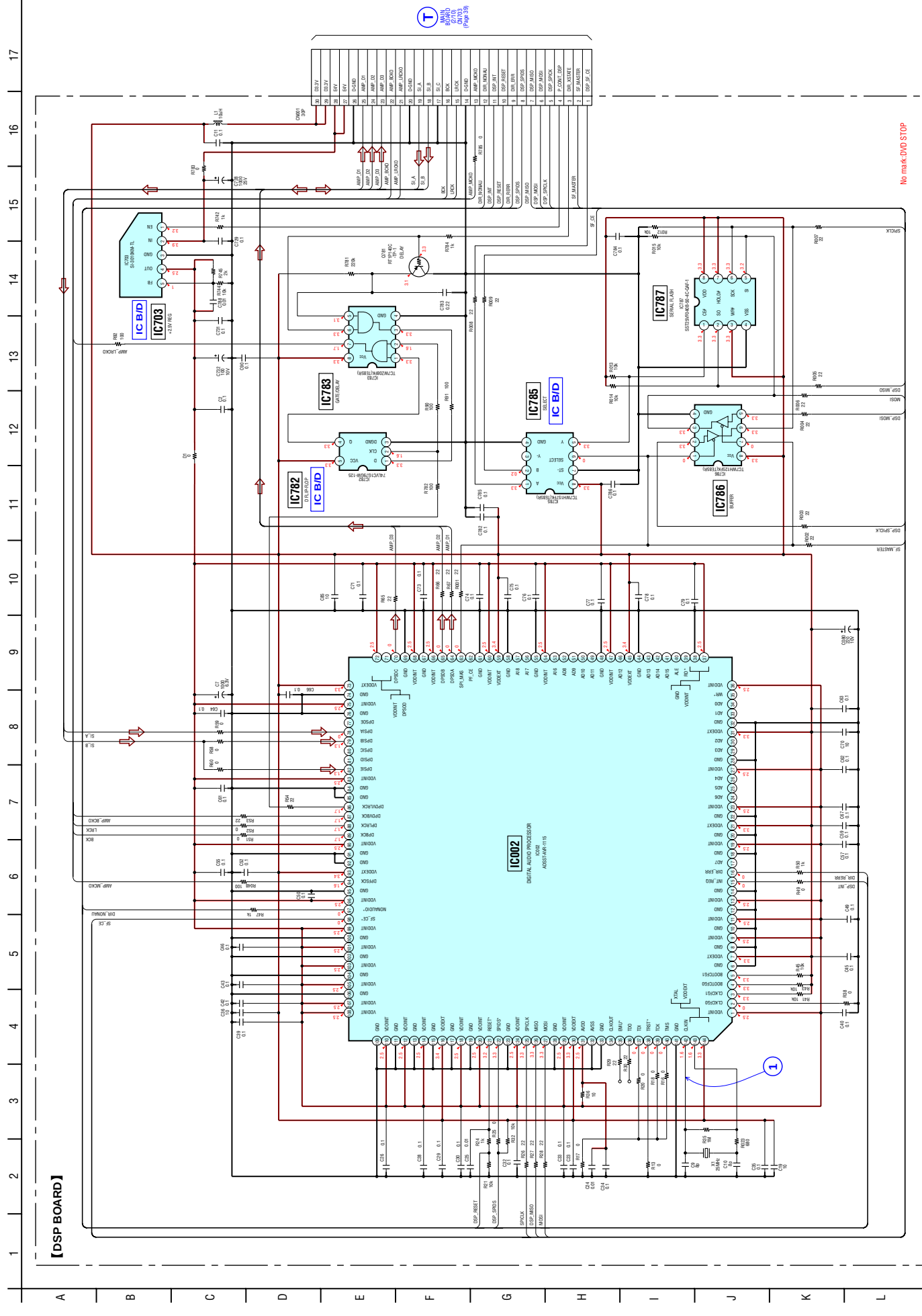


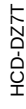
: Uses unleaded solder.

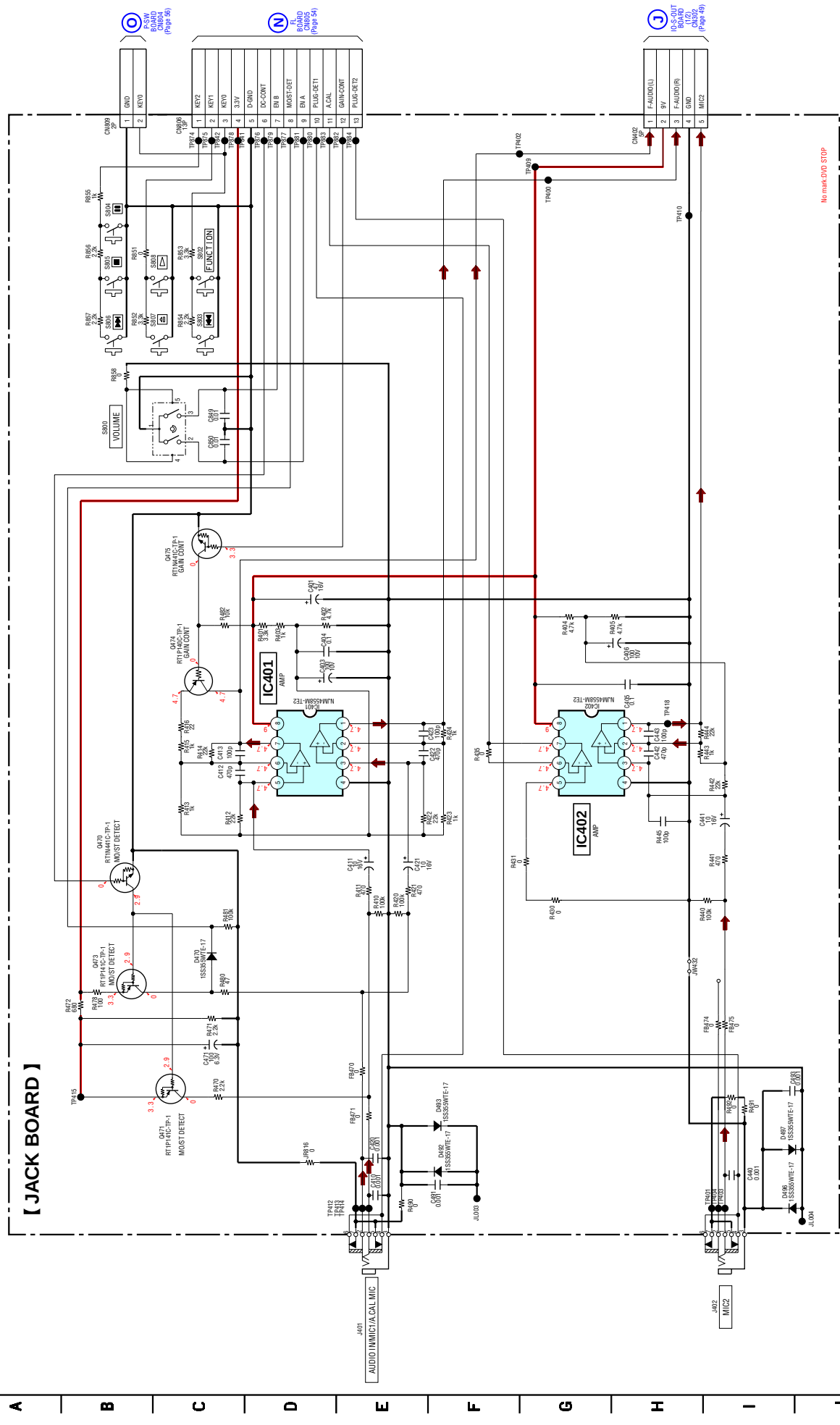


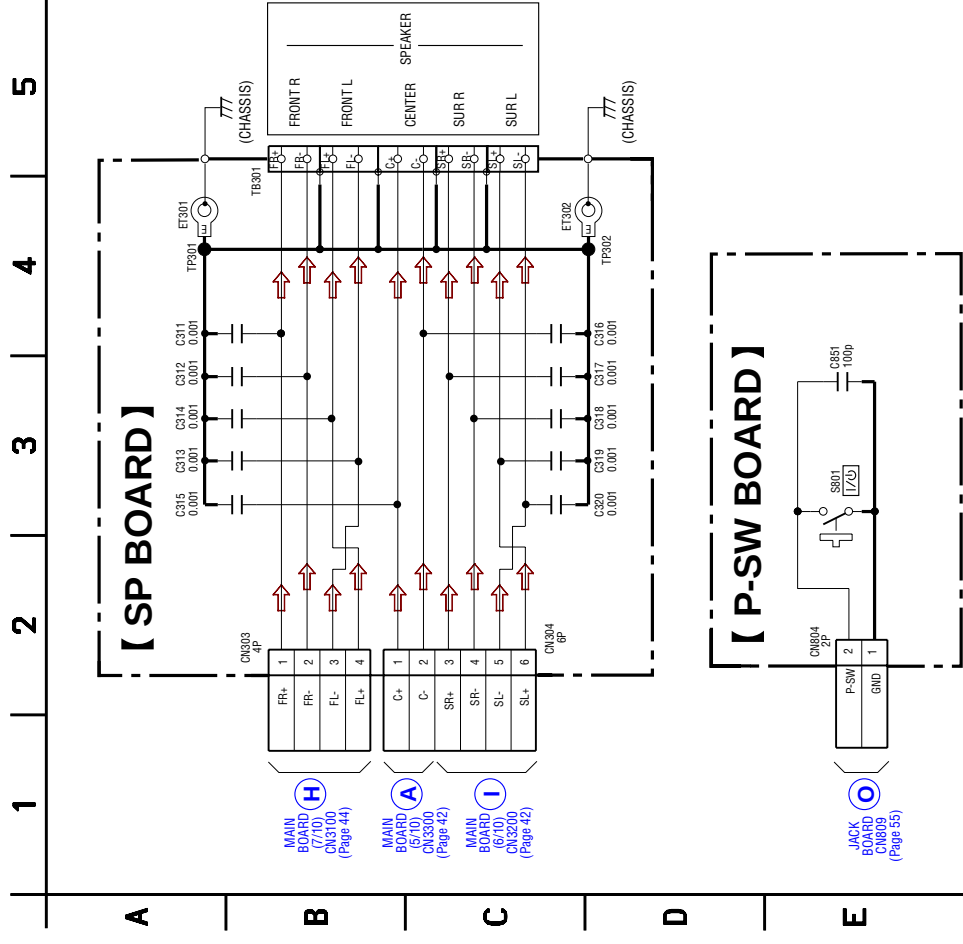
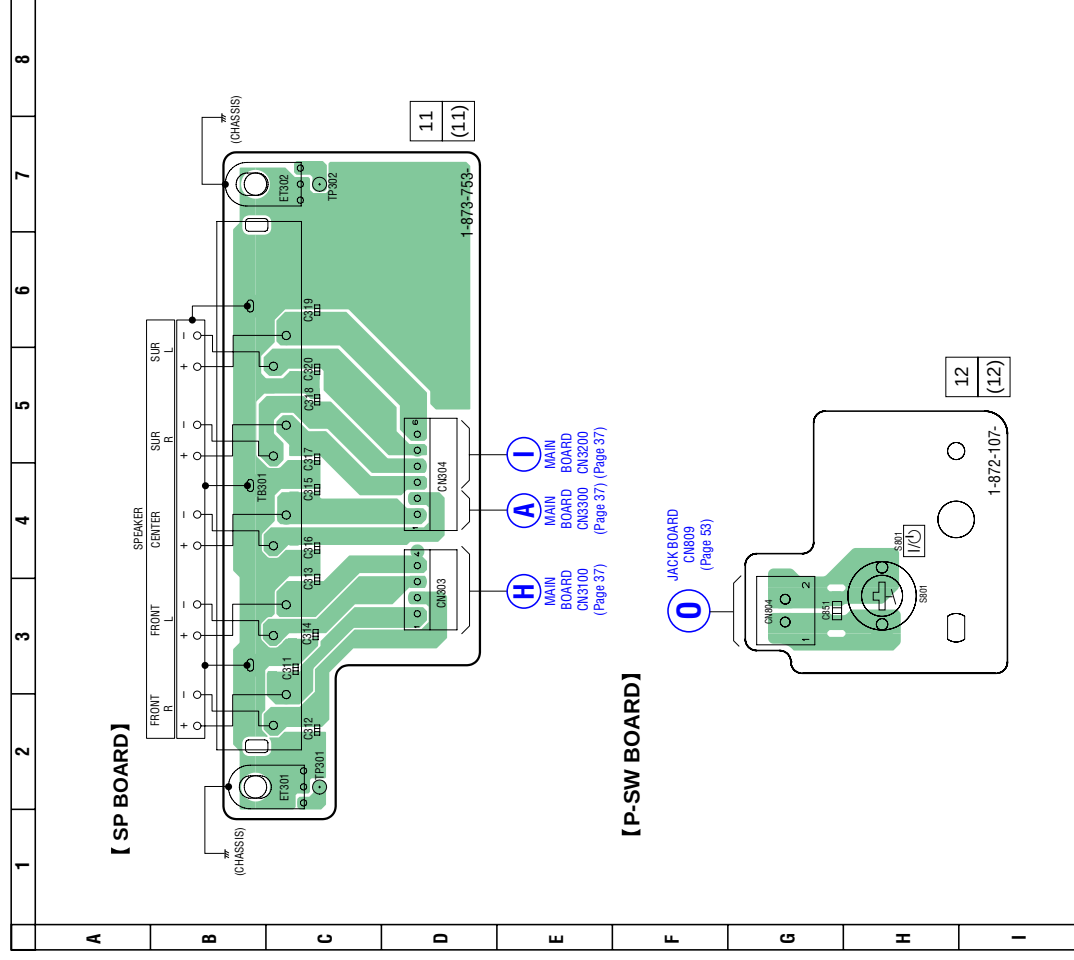
• Semiconductor Location

Ref. No.	Location
IC002	B-3
IC703	A-5
IC782	B-4
IC783	B-4
IC785	B-4
IC786	B-4
IC787	B-4
Q781	A-4

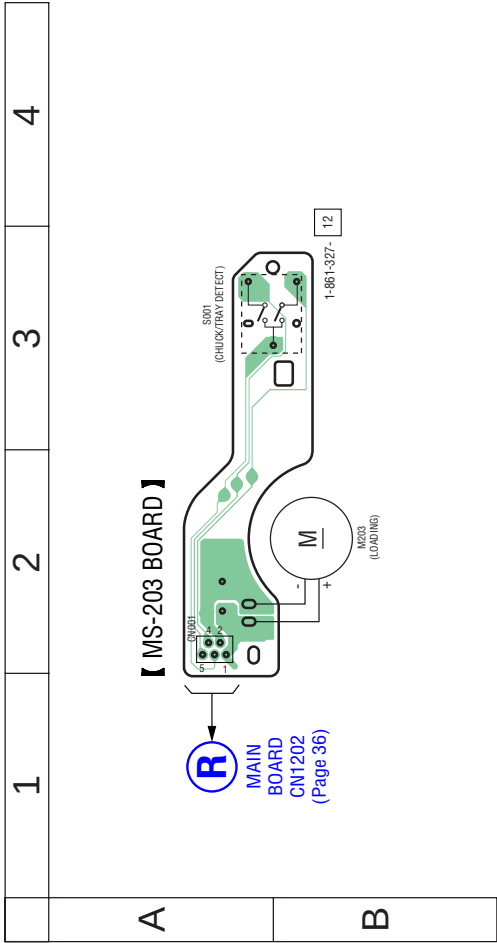




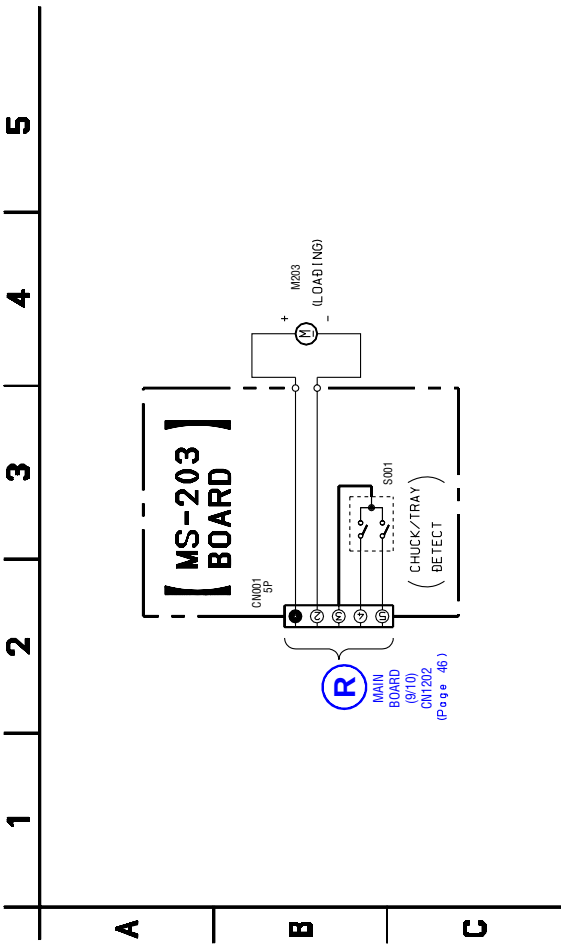




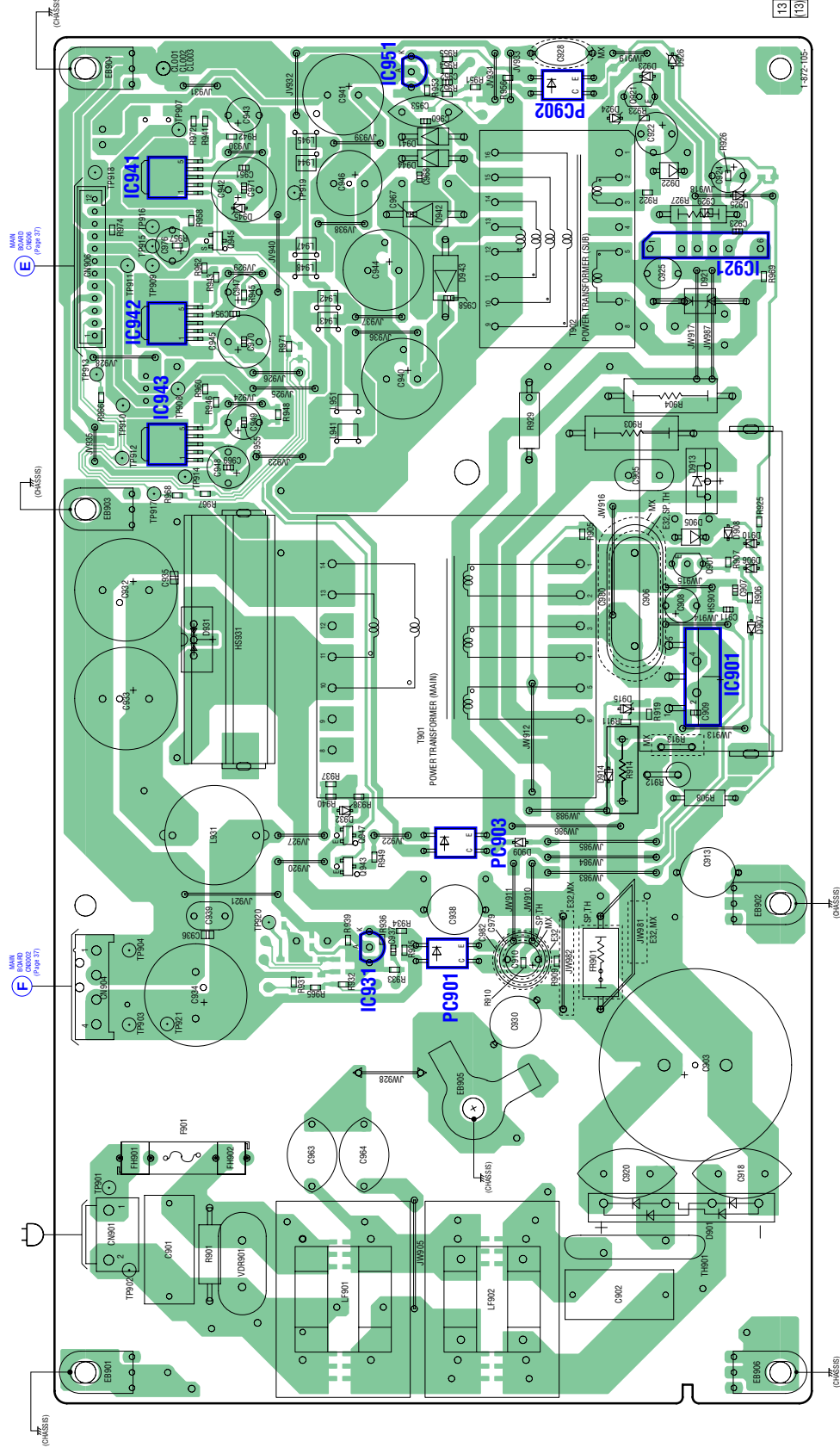
6-27. PRINTED WIRING BOARD – MS-203 BOARD – • See page 31 for Circuit Boards Location.
HF :Uses unleaded solder.



6-28. SCHEMATIC DIAGRAM – MS-203 BOARD –

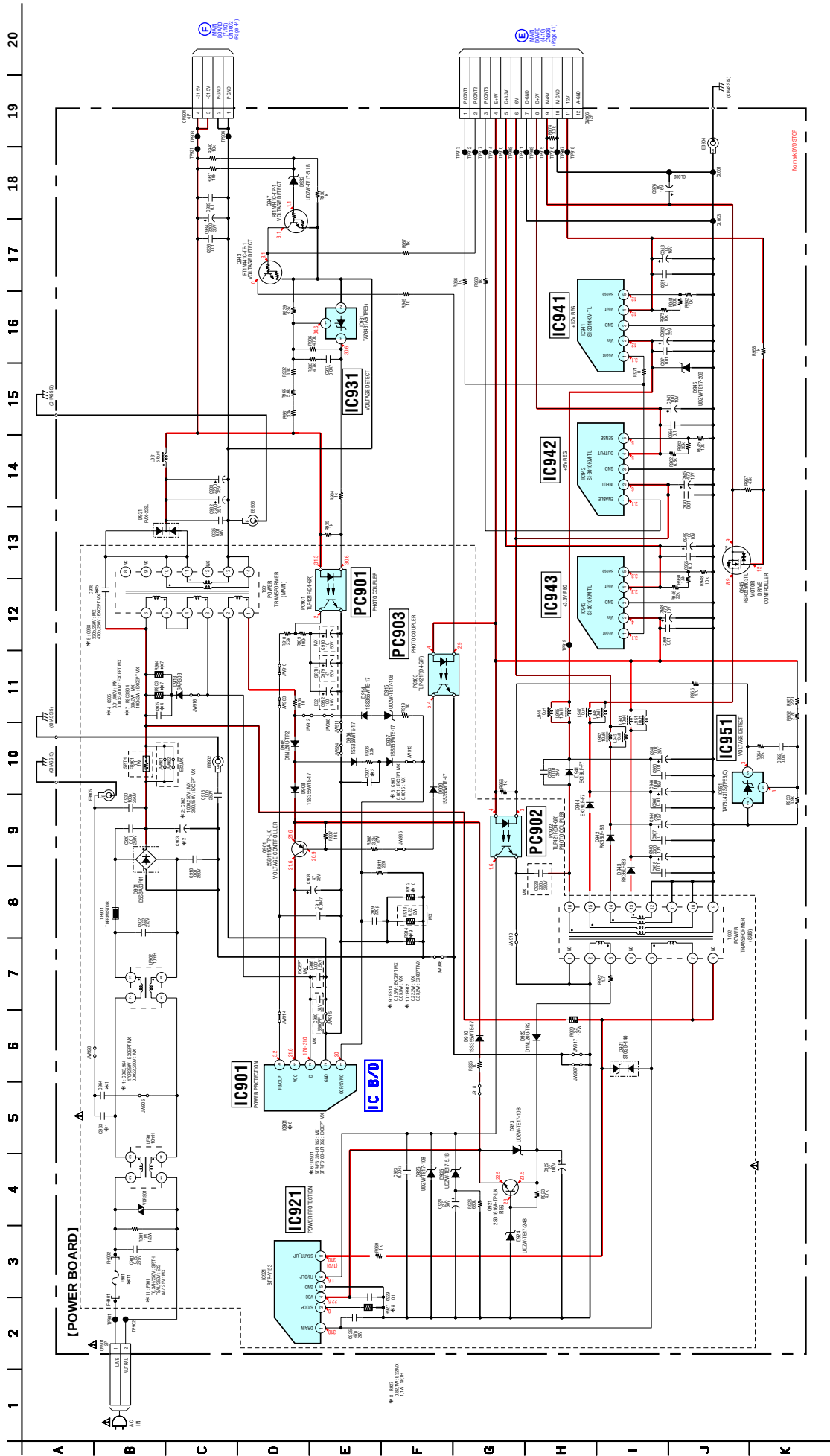


【POWER BOARD】



• Semiconductor Location	Location	
	Ref. No.	Location
	D901	G-3
	D905	H-9
	D906	H-9
	D907	H-8
	D908	H-8
	D909	F-6
	D910	F-6
	D913	H-10
	D914	G-7
	D915	G-8
	D921	H-11
	D922	G-13
	D923	G-14
	D924	G-12
	D925	H-12
	D926	G-14
	D931	C-8
	D932	D-7
	D941	E-13
	D942	E-12
	D943	E-12
	D944	E-13
	D945	C-12
	IC901	H-8
	IC921	H-12
	IC931	E-5
	IC941	C-13
	IC942	C-11
	IC943	C-10
	IC945	C-14
IC951	E-14	
PC901	E-5	
PC902	F-13	
PC903	E-6	
Q901	H-9	
Q921	G-13	
Q943	D-6	
Q945	C-12	
Q947	D-6	

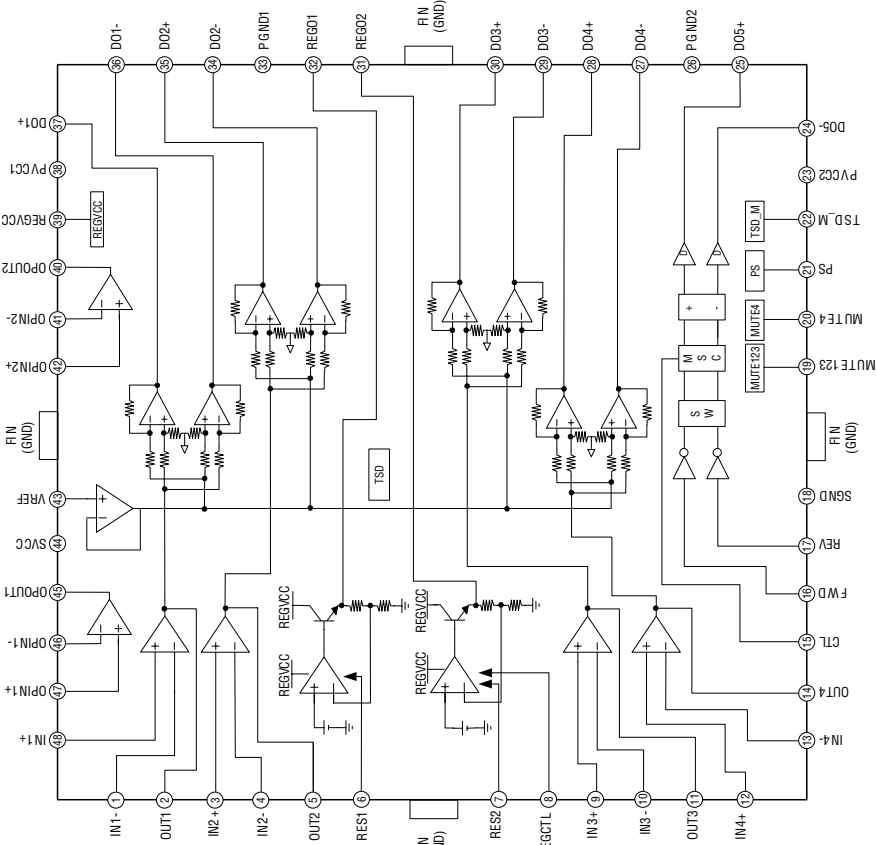
6-30. SCHEMATIC DIAGRAM – POWER BOARD – • See page 65 for IC Block Diagrams.



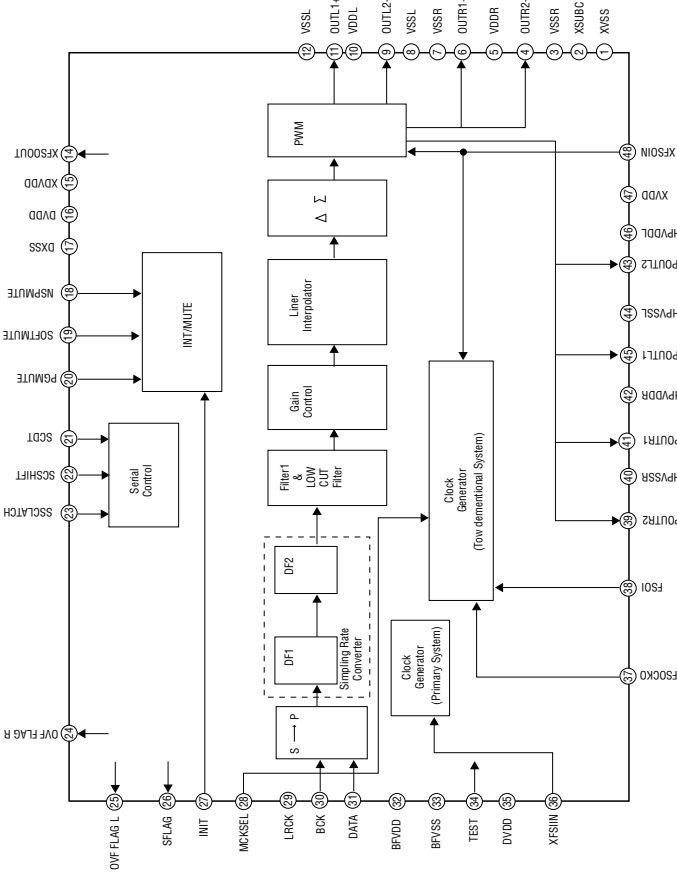
• IC Block Diagrams

– MAIN Board –

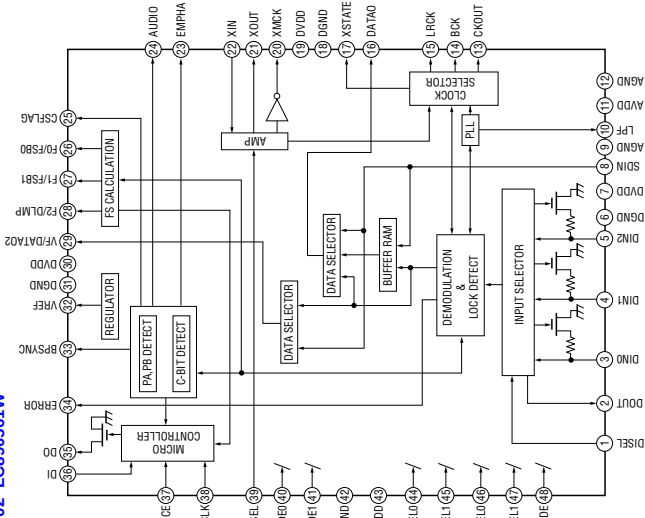
IC1201 FAN8036L



IC3010, IC3020, IC3030 CXD9843AR

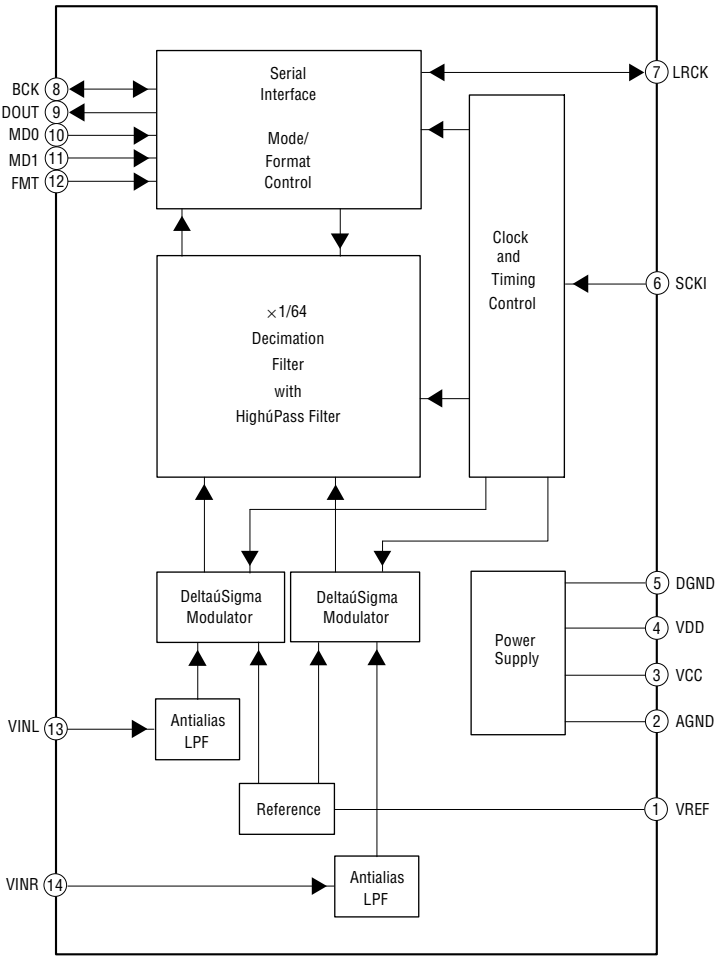


IC702 LC890561W

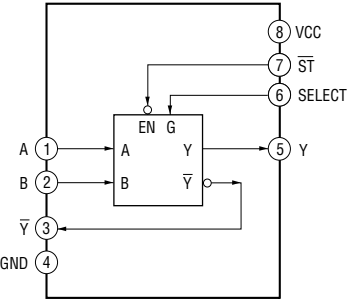


– MAIN Board –

IC772 PCM1808PWR

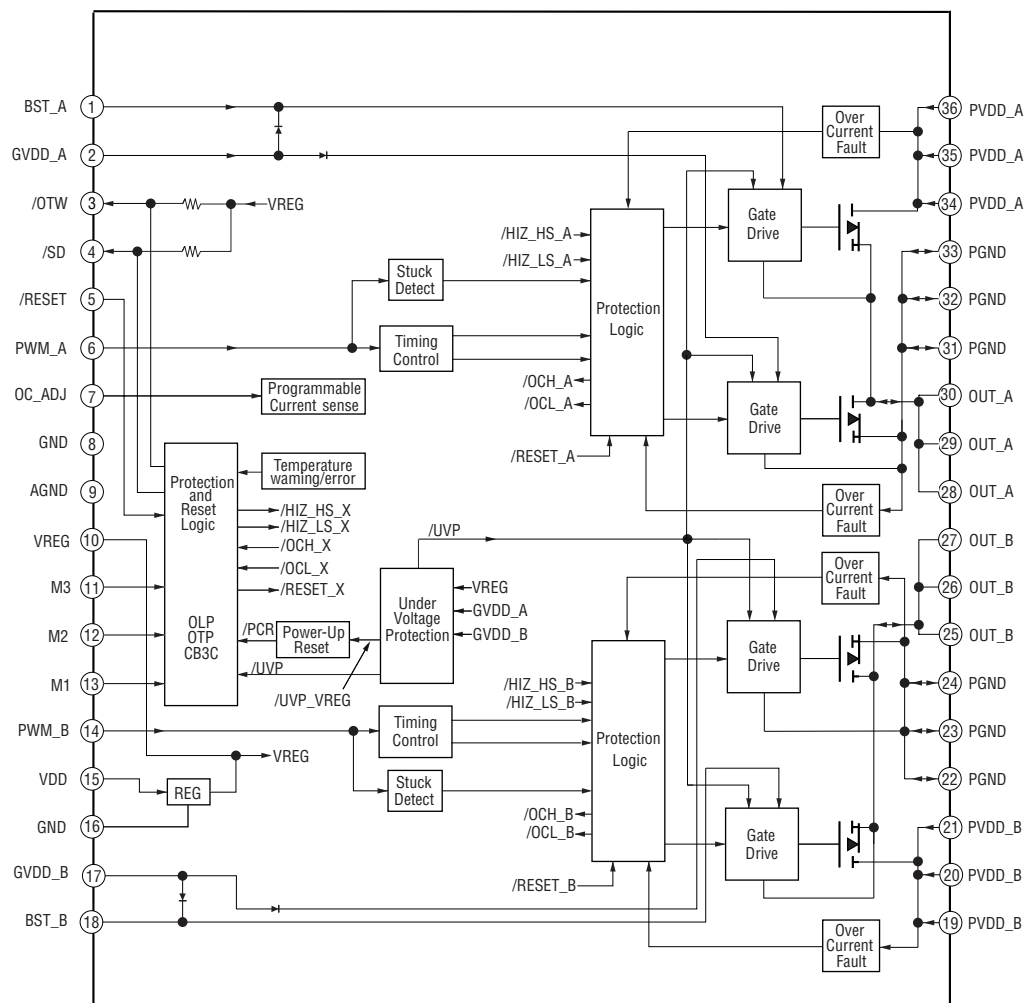


IC3901, IC3902, IC3903, IC3904 TC7WH157FK (TE85R)



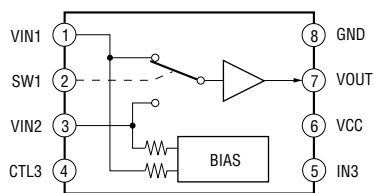
– MAIN Board –

IC3100, IC3150, IC3200, IC3250, IC3300, IC3400, IC3500 CXD9883M

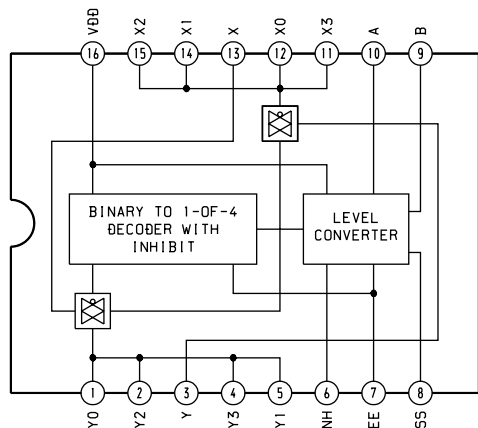


– IO-S-OUT Board –

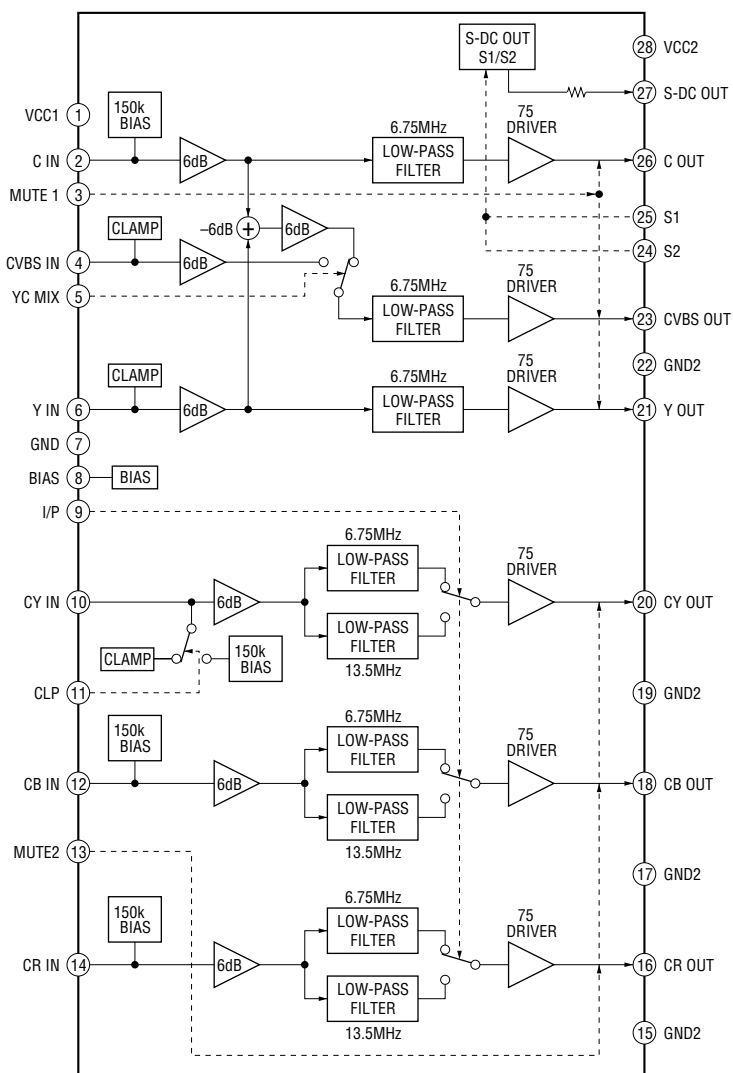
IC309 MM1228XFB



IC303, IC304 MC14052BDR2

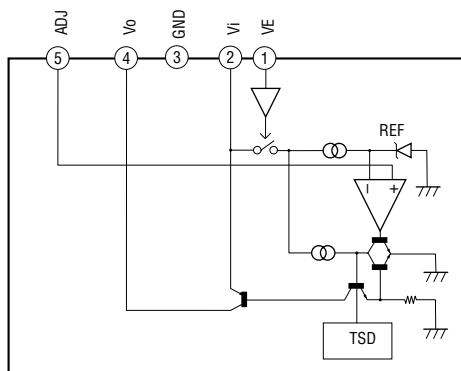


IC308 MM1758AFBE

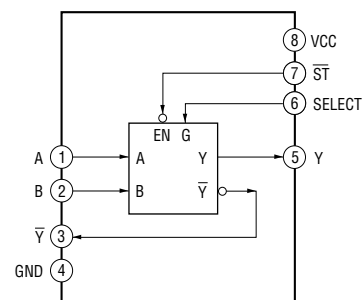


– DSP Board –

IC703 SI-3010KM-TL

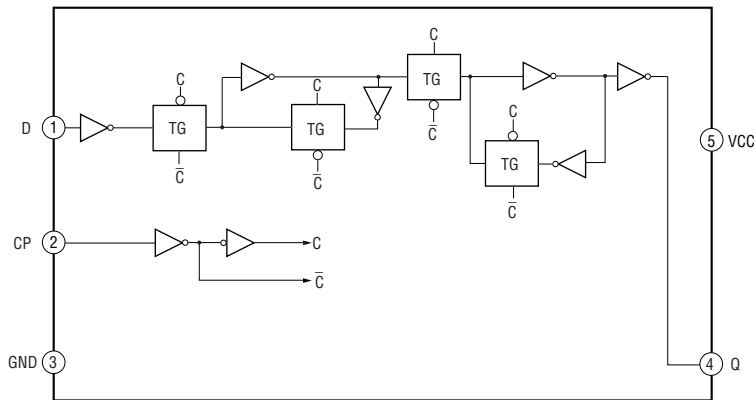


IC785 TC7WH157FK (TE85R)



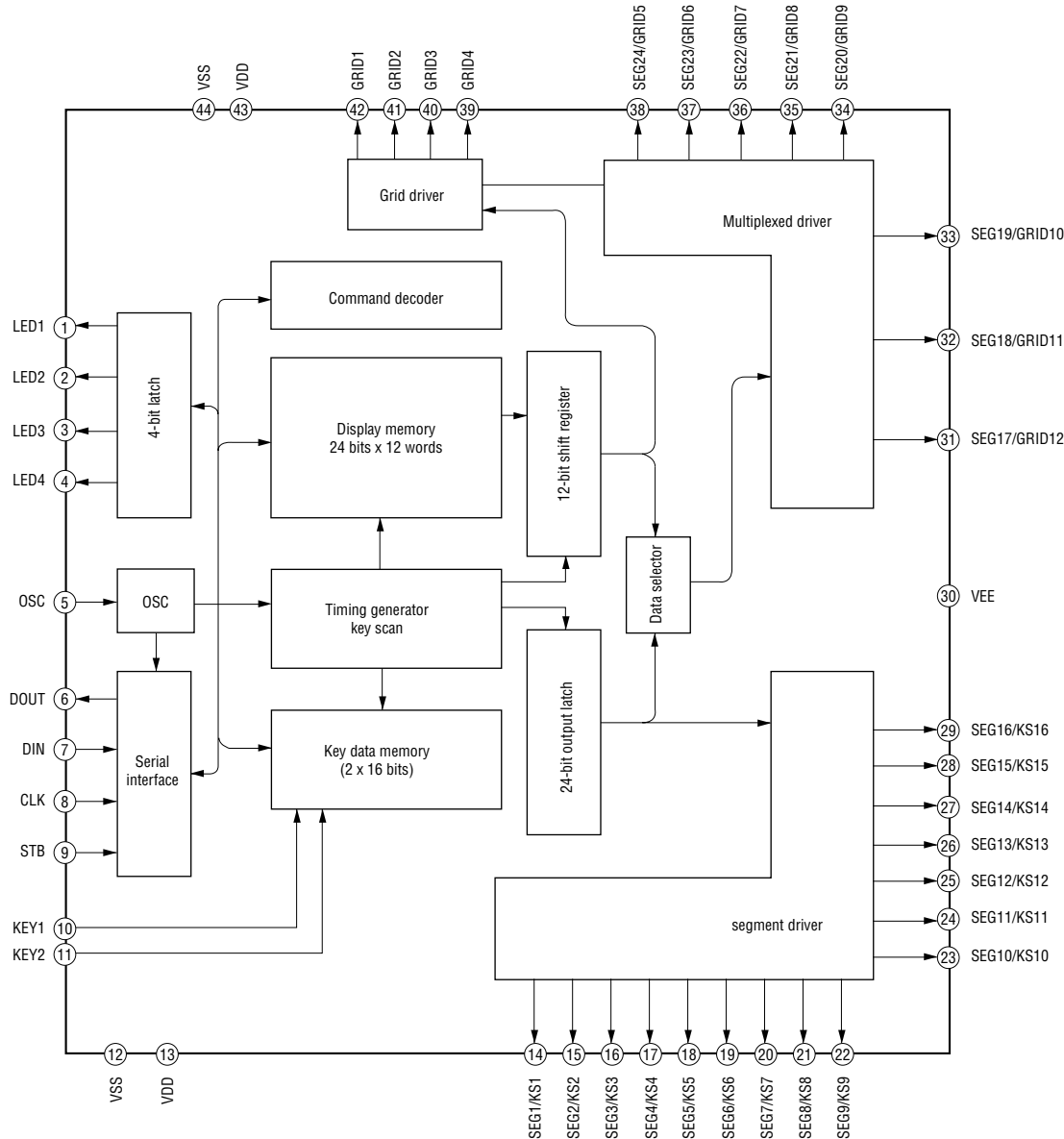
- DSP Board -

IC782 74LVC1G79GW-125



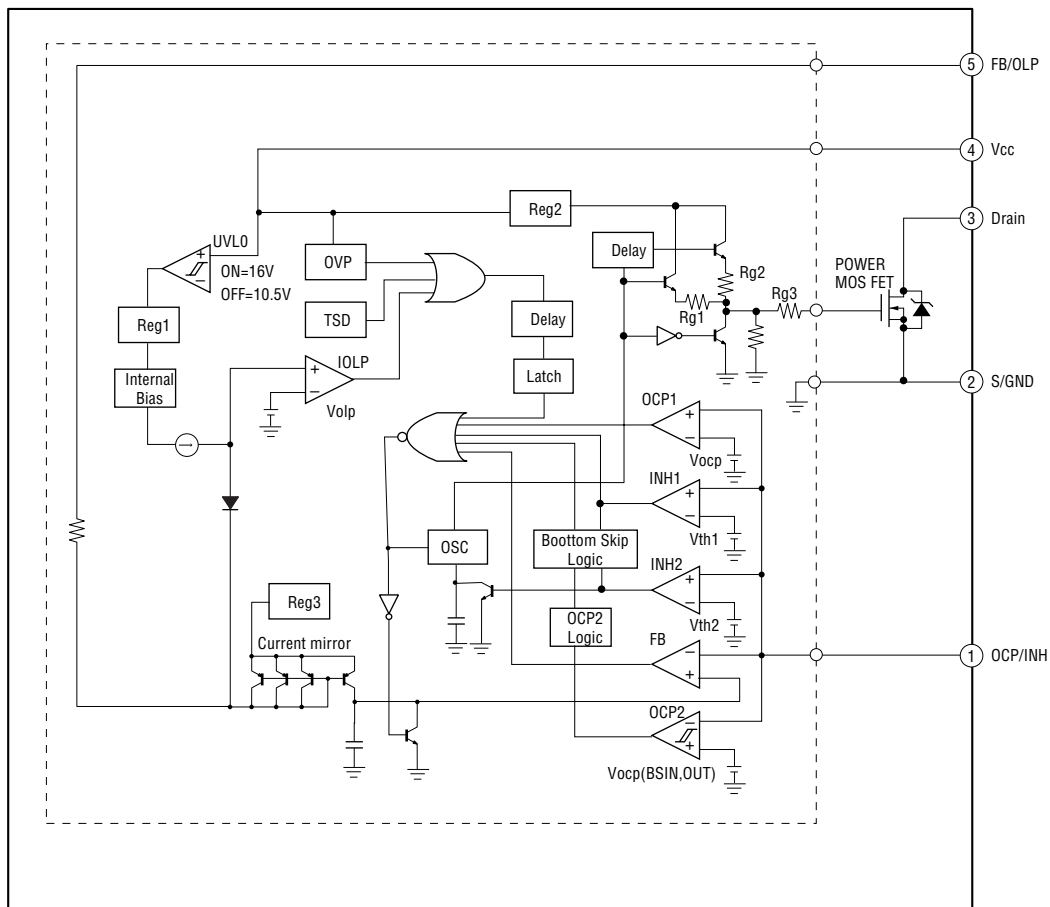
- FL Board -

IC802 PT6315

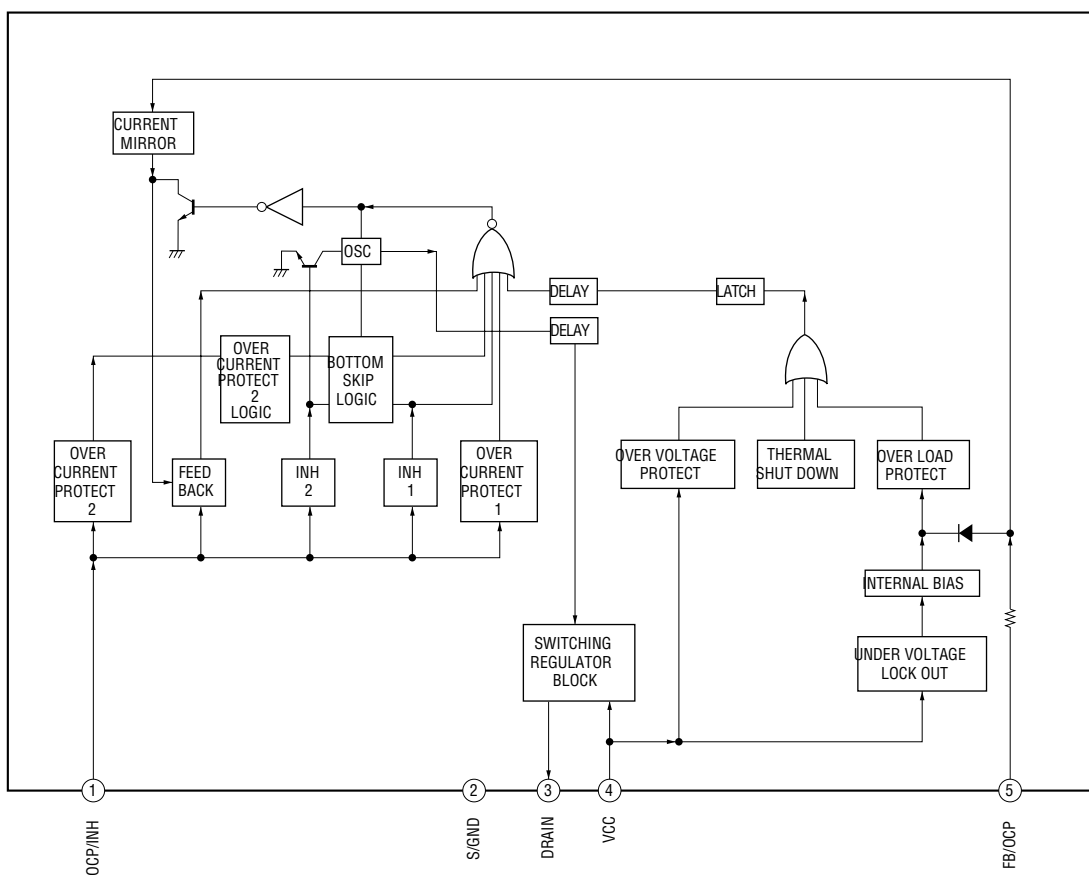


– POWER Board –

IC901 STR-F6138-LF1352 (MX)



IC901 STR-F6168-LF1352 (EXCEPT MX)



• IC Pin Function Description

MAIN BOARD IC1101 CXD9889R

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

Pin No.	Pin Name	I/O	Description
1	AGND	—	Ground terminal
2	DVDA	I	AC coupled input path A
3	DVDB	I	AC coupled input path B
4	DVDC	I	AC coupled input path C
5	DVDD	I	AC coupled input path D
6	DVDRFIP	I	AC coupled DVD RF signal input RFIP
7	DVDRFIN	I	Not used (Open)
8	NA	I	DC coupled main-beam RF signal input A
9	NB	I	DC coupled main-beam RF signal input B
10	MC	I	DC coupled main-beam RF signal input C
11	MD	I	DC coupled main-beam RF signal input D
12	SA	I	Not used (Open)
13	SB	I	Not used (Open)
14	SC	I	Not used (Open)
15	SD	I	Not used (Open)
16	CDFON	I	Not used (Open)
17	CDFOP	I	Not used (Open)
18	TNI	I	3 beam satellite PD signal negative input
19	TPI	I	3 beam satellite PD signal positive input
20	MDI1	I	Laser power monitor input
21	MDI2	I	Laser power monitor input
22	LDO2	O	Laser driver output
23	LDO1	O	Laser driver output
24	SVDD3	—	Power supply (RF+3.3V)
25	CSO	O	Not used (Open)
26	RFLVL	O	RFRP low pass output for jig
27	SGND	—	Ground terminal
28	V2REFO	O	Reference voltage 2.8V
29	V20	O	Reference voltage 2.0V
30	VREFO	O	Reference voltage 1.4V
31	FEO	O	Focus error monitor output for jig
32	TEO	O	Tracking error monitor output for jig
33	TEZISLV	O	TE Slicing Level
34	OP_OUT	O	Not used (Open)
35	OP_INN	I	Not used (Open)
36	OP_INP	I	Not used (Open)
37	DMO	O	Disc motor control output. PWM output
38	FMO	O	Feed motor control. PWM output
39	TROPENPWM	O	Tray PWM output / Tray open output
40	IOPMON	I	Iop Monitor
41	TRO	O	Tracking servo output
42	FOO	O	Focus servo output
43	VPLLVS	—	Ground terminal
44	VPLLCAP	—	PLL External Capacitor
45	VPLLVDD3	—	Power supply (+3.3V from IC1105)
46	USB_VSS	—	Ground terminal
47	RESERVED	—	Not used (Open)

Pin No.	Pin Name	I/O	Description
48	RESERVED	—	Not used (Open)
49	USB_VDD3	—	Power supply (SW+3.3V)
50	SPFG	I	Spindle FG input
51	MSW	O	DVD/CD switch (H:DVD / L:CD)
52	CKSW	I	CKSW input
53	OCSW	I	OCSW input
54	EEWP	O	EEPROM Write Protect control (L:Write allowed)
55	DVDD18	—	Power supply (+1.8V from IC1110)
56 to 64	HA2 to 8, 18, 19	O	Host address bus 2 to 8, 18, 19 output to Flash ROM (IC1102)
65	DVDD3	—	Power supply (SW+3.3V)
66	XWR	O	Write enable output to Flash ROM (IC1102) (active Low)
67 to 75	HA16 to 9, 20	O	Host address bus 16 to 9, 20 output to Flash ROM (IC1102)
76	XROMCS	O	Chip select output to Flash ROM (IC1102) (active Low)
77	HA1	O	Host address bus 1 output to Flash ROM (IC1102)
78	XRD	O	Read enable output to Flash ROM (IC1102) (active Low)
79, 80	HD0,1	I/O	Host data bus 0,1 input/output for Flash ROM (IC1102)
81	DVSS	—	Ground terminal
82 to 86	HD2 to 6	I/O	Host data bus 2 to 6 input/output for Flash ROM (IC1102)
87	HA21	O	Host address bus 21 output to Flash ROM (IC1102)
88	RESERVED	—	Not used (Open)
89	HD7	I/O	Host data bus 7 input/output for Flash ROM (IC1102)
90	DVSS	—	Ground terminal
91, 92	HA17, 0	O	Host address bus 17, 0 output to Flash ROM (IC1102)
93	DVDD18	—	Power supply (+1.8V from IC1110)
94	RESERVED	—	Not used (Open)
95	RESERVED	—	Not used (Open)
96	DVDD3	—	Power supply (SW+3.3V)
97	IFSDO	O	Ext. CPU Serial data output (H/W method)
98	IFCK	O	Ext. CPU Serial clock (H/W method)
99	xIFCS	O	Chip select for Ext.CPU (Low Active, H/W method)
100	IFSDI	I	Ext. CPU Serial data input (H/W method)
101	SCL	O	IIC clock output to EEPROM
102	SDA	I/O	IIC data input/output for EEPROM
103	HDMI_SCL	O	HDMI DDC line SCL
104	HDMI_SDA	I/O	HDMI DDC line SDA
105	RXD	I	RS232C RXD signal input from Jig
106	TXD	O	RS232C TXD signal output to Jig
107	ICE	O	Not used (Open)
108	xsYSRST	I	Reset input from system controller (IC501) (active Low)
109	RESERVED	I	Not used (Open)
110	xtXINT	I	Not used (Fixed to “H” (SW+3.3V))
111	DQM0	O	Lower byte mask output to SDRAM (IC1104) (H:Mask / L:Enable)
112	IFBSY	I	Ready/Busy interrupt signal input from system controller (IC501) (H:Busy / L:Ready)
113 to 117	RD7 to 3	I/O	Data bus 7 to 3 input/output for SDRAM (IC1104)
118	DVDD3	—	Power supply (SW+3.3V)
119 to 129	RD2 to 0, 15 to 8	I/O	Data bus 2 to 0, 15 to 8 input/output for SDRAM (IC1104)
130	LIMITSW	I	LIMITSW signal input
131	DVDD3	—	Power supply (SW+3.3V)
132	DQM1	O	Upper byte mask output to SDRAM (IC1104) (H:Mask / L:Enable)

Pin No.	Pin Name	I/O	Description
133	RWE	O	Write enable output to SDRAM (IC1104)
134	CAS	O	Column address strobe output to SDRAM (IC1104)
135	RAS	O	Row address strobe output to SDRAM (IC1104)
136	RCS	O	Chip select output to SDRAM (IC1104)
137, 138	BA0, 1	O	Bank address 0, 1 output to SDRAM (IC1104)
139 to 141	RA10, 0, 1	O	Address bus 10, 0, 1 output to SDRAM (IC1104)
142	DVDD18	—	Power supply (+1.8V from IC1110)
143, 144	RA2, 3	O	Address bus 2, 3 output to SDRAM (IC1104)
145	DVDD3	—	Power supply (SW+3.3V)
146	DRCLK	O	Clock output to SDRAM (IC1104)
147	CKE	O	Clock enable output to SDRAM (IC1104)
148	DVSS	—	Ground terminal
149 to 155	RA11, 9 to 4	O	Address bus 11,9 to 4 output to SDRAM (IC1104)
156	DVDD3	—	Power supply (SW+3.3V)
157 to 159	SMPTE_Y[7] to [5]	O	Video data output bit7 to 5
160	DVDD18	—	Power supply (+1.8V from IC1110)
161 to 165	SMPTE_Y[4] to [0]	O	Video data output bit4 to 0
166	VCLK	O	27MHz synchronous clock output for Video data
167	MIC	I	Karaoke microphone detect signal (H:MIC exist / L:MIC removed)
168	TSD_M	I	TSD signal input
169	MUTE	O	Mute output for Spindle motor
170	DVDD3	—	Power supply (SW+3.3V)
171	MUTE123	O	Mute output for Focus/Tracking/Sleding
172, 173	REV, FWD	O	Direction control signal output for Loading motor
174	DVDD18	—	Power supply (+1.8V from IC1110)
175	RGB_SEL	O	RGB/YCbCr select output signal (H:RGB disable / L:RGB enable)
176	Fixed_low	O	Not used (Open)
177	WIDE	O	WIDE select output for Multi connector (H:16:9 / L:4:3)
178	DVSS	—	Ground terminal
179	VBUS_OE	O	Not used (Open)
180	xMAMUTE	O	Not used (Open)
181	VBUS_OC	I	Fixed to “H” (SW+3.3V)
182	R/Cr/Pr	O	CR/PR signal output
183	B/Cb/Pb	O	CB/PB signal output
184	DACVSSA	—	Ground terminal
185	Y/G	O	Y signal output
186	DACVDDA	—	Power supply (+3.3V from IC1105)
187	CVBS	O	Composite video signal output
188	DACVSSB	—	Ground terminal
189	C	O	Chroma signal output for S-Video
190	DACVDDDB	—	Power supply (+3.3V from IC1105)
191	Y	O	Y signal output for S-Video
192	DACVSSC	—	Ground terminal
193	CIN	O	Not used (Open)
194	FS	I	Full Scale Adjustment
195	VREF	I	Bandgap Ref Voltage
196	DACVDDC	—	Power supply (+3.3V from IC1105)
197	ASDATA0	O	Audio serial data 4: Down-mixed L/R
198	TRG_SW	I	Not used (Fixed to “H” (SW+3.3V))

Pin No.	Pin Name	I/O	Description
199	SCORE	I	Calculation of SCORE
200	XVOICE	I	Detection of MIC signal (H:Voice exist / L:Voice is absence)
201	Fixed_Low	—	Not used (Open)
202	ASDATA1	O	Not used (Open)
203	ASDATA2	O	Not used (Open)
204	Fixed_Low	—	Not used (Open)
205	Fixed_Low	—	Not used (Open)
206	Fixed_Low	—	Not used (Open)
207	Fixed_Low	—	Not used (Open)
208	DVDD3	—	Power supply (SW+3.3V)
209	ALRCK	O	Audio left/right channel clock output
210	ABCK	O	Audio bit clock output
211	ACLK	O	Master clock output for Audio DAC
212	ADIN	I	Ex. Analog Audio data input
213	DVDD18	—	Power supply (+1.8V from IC1110)
214	ASDATA4	O	Not used (Open)
215	MC_DATA	I	Mic signal Input (not used (Fixed to Ground))
216	SPDIF	O	SPDIF output
217	APLLVDD3	—	Power supply (+3.3V from IC1105)
218	APLLCAP	I	APLL External Capacitance connection
219	APLLVSS	—	Ground terminal
220	ADACVSS2	—	Ground terminal
221	ADACVSS1	—	Ground terminal
222	KMOD	O	Karaoke mode status output (H:Karaoke / L:Normal)
223	PWON	O	Power down control signal to HDMI controller (not used (Fixed to “H” (SW+3.3V))
224	Rch	O	Audio DAC Right channel output
225	AVCM	—	Audio DAC Reference Voltage
226	Lch	O	Audio DAC Left channel output
227	DSEL	O	Not used (Open)
228	xRST	O	Not used (Open)
229	ADACVDD1	—	Power supply (+3.3V from IC1105)
230	ADACVDD2	—	Power supply (+3.3V from IC1105)
231	RFGND18	—	Ground terminal
232	RFVDD18	—	Power supply (+1.8V from IC1110)
233	XTALO	O	Not used (Open)
234	XTALI	I	27MHz crystal input
235	JITFO	O	The output terminal of RF jitter meter
236	JITFN	I	The input terminal of RF jitter meter
237	PLLSS	—	Ground terminal
238	IDACEXLP	I	RF Data PLL DAC LPF
239	PLLVD3	—	Power supply (RF+3.3V)
240	LPFON	O	The negative output of loop filter amplifier
241	LPFIP	I	The positive input terminal of loop filter amplifier
242	LPFIN	I	The negative input terminal of loop filter amplifier
243	LPFOP	O	The positive output of loop filter amplifier
244	ADCVD3	—	Power supply (RF+3.3V)
245	ADCVSS	—	Ground terminal
246	RFVDD3	—	Power supply (RF+3.3V)
247	RFRPDC	O	RF ripple detect output

Pin No.	Pin Name	I/O	Description
248	RFRPAC	I	RF ripple detect input (through AC-coupling)
249	HRFZC	I	High frequency RF ripple zero crossing
250	CRTPLP	O	Defect level filter capacitor connecting
251	RFGND	—	Ground terminal
252	OSP	O	RF offset cancellation capacitor connecting
253	OSN	O	RF offset cancellation capacitor connecting
254	RFGC	O	RF AGC loop capacitor connecting for DVD-ROM
255	IREF	I	Current reference input
256	AVDD3	—	Power supply (RF+3.3V)

MAIN BOARD IC501 M30626MHP-A69FPU0 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	DAMP_SCD/ DIAT_SDATA/DIR_DIN	O	DAMP processor data output, DIAT serial data output, DIR data output
2	DAMP_SHIFT/ DIAT_SCLK/DIR_CLK	O	DAMP processor clock output, DIAT serial clock output, DIR clock output
3	CEC_RX_IN	I	CEC Data input
4	SIRCS_IN	I	Sircs input
5	DSP_MOSI	O	DSP data output
6	DSP_MISO	I	DSP data input
7	DSP_SPICLK	O	DSP clock output
8	BYTE	I	External data bus (Ground terminal)
9	CNVSS	I	Change processor mode (Fixed to “L”)
10, 11	EN_A, EN_B	I	Volume control for ENCODER
12	RESET	I	System reset signal input
13	XOUT	O	Crystal output for main clock (5MHz)
14	VSS	—	Ground terminal
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	I	DIR ZERO data detect input
19	DIR_CSFLAG	I	DIR CSFLAG input
20	AC_CUT	I	AC-CUT detect input
21	FL_CLK/LED_CLK	O	FL and LED driver clock output
22	CEC_TX_OUT	O	CEC data output
23	NO USE	I	Not used (Fixed to “L”)
24	FL_D_OUT/LED_DATA	O	FL and LED driver data output
25	NO USE	—	Not used (Open)
26	MIC_GAIN	O	MIC gain control
27	CDM_OPEN_SW	I	CDM open switch input
28	DC_CONT	O	A.CAL MIC DC control output
29	CLINK_RX_IN	I	Not used (Open)
30	CLINK_TX_OUT	O	Not used (Open)
31	DVD_SID	O	Media Tek data out / Flash write TXD1
32	DVD_SOD	I	Media Tek data in / Flash write RXD1
33	DVD_SCO	I	Media Tek clock in / Flash write CLK1
34	DVD_XIFBUSY	O	Media Tek busy request / Flash write RTS1
35	MIC_DET_OUT	O	MIC detect status out to Media Tek
36	KARAOKE_MODE	I	KARAOKE mode information from Media Tek
37	DVD XIFCS	I	Media Tek chip select
38	MTK RST	O	Media Tek reset
39	P_CONT1	O	Control for power supply 1
40	P_CONT2	O	Control for power supply 2
41	P_CONT3	O	Control for power supply 3
42	DRIVE_RST(EN)	O	DAMP driver reset
43	DRIVE_OCP(DIAG)	I	DAMP driver shut down
44	OVERFLOW1	I	DAMP processor F/C/S over flow detect
45	OVERFLOW2	I	DAMP processor SW over flow detect
46	CE	I	Not used (Fixed to “H” (E3.3V))
47	DAMP_LATCH1	O	DAMP processor latch1

Pin No.	Pin Name	I/O	Description
48	DAMP_LATCH2	O	DAMP processor latch2
49	DAMP_LATCH3	O	DAMP processor latch3
50	DAMP_INIT	O	DAMP processor reset
51	DAMP_SOFT_MUTE	O	DAMP processor soft muting
52	MIC2_SW	I	MIC2 insert switch
53	HP_MUTE	O	Not used (Open)
54	DSP_SPIDS	O	DSP device select output
55	DSP_RESET	O	DSP reset output
56	FL_STB	O	FL driver chip select output
57	DC_DET	I	Speaker DC detect input
58	DIR_RST	O	DIR reset output
59	DIR_HCE	O	DIR chip enable output
60	DIR_ERROR	I	DIR error detect input
61	DIR_XSTATE	I	DIR clock change status input
62	VCC	—	Power supply (BUP+3.3V)
63	MIC/A.CAL_SW	I	MIC insert switch
64	VSS	—	Ground terminal
65	NO USE	O	Not used (Open)
66	NO USE	O	Not used (Open)
67	DRIVER_RST_C	O	DAMP driver reset for BS5K center signal output
68	TUNED	I	TUNER tuned input
69	ST_CLK	O	TUNER clock output
70	ST_DO	I	TUNER data input
71	ST_CE	O	TUNER chip enable
72	ST_DI	O	TUNER data output
73	DSP_INTR	I	DSP interrupt
74	KEY INT	I	Wakeup from ECO mode by key input
75	MIC_CLK	O	MIC electric volume clock out
76	MIC_DAT	O	MIC electric volume data out
77	NO USE	I	Not used (Fixed to “H” (+3.3V))
78	C SW R SEL	O	C ch or SWR ch output select
79	DSP_SF_CE	O	DSP serial flash chip enable
80	CLINK_SEL	O	Not used (Open)
81	ASEL3	O	Not used (Open)
82	V_SEL0	O	Video selector 0
83	V_SEL1	O	Video selector 1
84	ASEL0	O	Audio selector 0
85	ASEL1	O	Audio selector 1
86	ASEL2	O	Audio selector 2
87	VSEL2	O	Video selector 2
88	VSEL3	O	Video selector 3
89	CLINK_DET	I	Not used (Open)
90	MONO/ST_DET	I	Front jack MONO or STEREO detect
91	DSP_MASTER	I	DSP serial operation mode signal input
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	AVSS	—	Ground terminal

Pin No.	Pin Name	I/O	Description
97	KEY0	I	Key input 0 input
98	Vref	—	Reference voltage (BUP+3.3V)
99	AVCC	—	Power supply (BUP+3.3V)
100	DIR_HDOUT	I	DIR data input

MAIN BOARD IC1701 CXD9873Q (HDMI DRIVE)

Pin No.	Pin Name	I/O	Description
1	DVSS	—	Ground terminal (digital system)
2 to 9	C0 to C7	I	Not used (Fixed to “L”)
10	DVDD33	—	Power supply terminal (+3.3V) (digital system)
11	VCK	I	System clock (27 MHz) signal input from the servo DSP
12	DVSS	—	Ground terminal (digital system)
13 to 20	Y0 to Y7	I	Video signal input from the servo DSP
21	SSCK	I	Serial data transfer clock signal input from the servo DSP
22	SSO	I/O	Two-way data bus with the servo DSP
23	DVDD18	—	Power supply terminal (+1.8V) (for digital core)
24	PWDN	I	Power down signal input from the servo DSP “L”: power down
25	RST	I	Reset signal input from the servo DSP “L”: reset
26	CLK	I	System clock (27 MHz) signal input terminal
27	INT	O	Not used (Open)
28	DVSS	—	Ground terminal (digital system)
29, 30	A7, A6	—	Not used (Open)
31 to 33	TRAP2 to TRAP0	—	Not used (Fixed to “L”)
34	MSCK	I	Not used (Open)
35	MSD	I/O	Not used (Open)
36	TYPE	—	Not used (Open)
37	ASDATA4	—	Not used (Open)
38	VSYN	I	Not used (Fixed to “L”)
39	HSYN	I	Not used (Fixed to “L”)
40	HTPLG	I	HDMI hot-plug detection signal input terminal
41	AVSS	—	Ground terminal (analog system)
42	PLLC0	—	Not used (Open)
43	PLLC1	—	External capacitor connection terminal (for PLL)
44, 45	PLL_AVDD3	—	Power supply terminal (+3.3V) (analog system) (for PLL)
46, 47	AVSS	—	Ground terminal (analog system)
48	TCKN	O	TMDS clock signal (negative) output to the HDMI OUT connector
49	TCKP	O	TMDS clock signal (positive) output to the HDMI OUT connector
50	AVDD3	—	Power supply terminal (+3.3V) (analog system)
51	TX0N	O	TMDS data (negative) output to the HDMI OUT connector
52	TX0P	O	TMDS data (positive) output to the HDMI OUT connector
53	AVSS	—	Ground terminal (analog system)
54	TX1N	O	TMDS data (negative) output to the HDMI OUT connector
55	TX1P	O	TMDS data (positive) output to the HDMI OUT connector
56	AVDD3	—	Power supply terminal (+3.3V) (analog system)
57	TX2N	O	TMDS data (negative) output to the HDMI OUT connector
58	TX2P	O	TMDS data (positive) output to the HDMI OUT connector
59	AVSS	—	Ground terminal (analog system)
60	SWING	I	Not used (Fixed to “H” (+3.3V LINE))
61	DAC_AVDD3	—	Power supply terminal (+3.3V) (analog system) (for D/A converter)
62	VREF	—	Reference voltage terminal (for D/A converter)
63	FS	—	Full scale adjustment terminal (for D/A converter)
64	AVSS	—	Ground terminal (analog system) (for D/A converter)
65	DAC_AVDD3	—	Power supply terminal (+3.3V) (analog system) (for D/A converter)
66	AVSS	—	Ground terminal (analog system) (for D/A converter)
67	DAC_AVDD3	—	Power supply terminal (+3.3V) (analog system) (for D/A converter)

Pin No.	Pin Name	I/O	Description
68	G	O	Not used (Open)
69	AVSS	—	Ground terminal (analog system) (for D/A converter)
70	B	O	Not used (Open)
71	R	O	Not used (Open)
72	SPDIF	I	SPDIF digital audio signal input from the servo DSP
73	AD3	I	Audio serial data input from the servo DSP
74 to 76	AD2 to AD0	I	Not used (Fixed to “L”)
77	ACK	I	Master clock signal input from the servo DSP
78	ABCK	I	Bit clock signal input from the servo DSP
79	ALRCK	I	L/R sampling clock signal input from the servo DSP
80	DVDD18	—	Power supply terminal (+1.8V) (for digital core)

DSP BOARD IC002 ADSST-AVR-1115 (DIGITAL AUDIO PROCESSOR)

Pin No.	Pin Name	I/O	Description
1	VDDINT	—	Power supply terminal (+1.2V) (for core)
2	CLKCFG0	I	Core instruction rate to CLKIN (pin 142) ratio selection signal input terminal Fixed at “L” in this set
3	CLKCFG1	I	Core instruction rate to CLKIN (pin 142) ratio selection signal input terminal Fixed at “H” (+3.3V LINE) in this set
4, 5	BOOTCFG0,BOOTCFG1	I	Boot mode selection signal input terminal Fixed at “H” (+3.3V LINE) in this set
6	GND	—	Ground terminal
7	VDDEXT	—	Power supply terminal (+3.3V) (for I/O)
8	GND	—	Ground terminal
9	VDDINT	—	Power supply terminal (+1.2V) (for core)
10	GND	—	Ground terminal
11	VDDINT	—	Power supply terminal (+1.2V) (for core)
12	GND	—	Ground terminal
13	VDDINT	—	Power supply terminal (+1.2V) (for core)
14	GND	—	Ground terminal
15	INT_REQ	O	Interrupt signal output to the system controller
16	DIR_ERR	I	PLL lock error signal and data error flag input from the digital audio interface
17	AD7	I/O	Not used (Open)
18	GND	—	Ground terminal
19	VDDINT	—	Power supply terminal (+1.2V) (for core)
20	GND	—	Ground terminal
21	VDDEXT	—	Power supply terminal (+3.3V) (for I/O)
22	GND	—	Ground terminal
23	VDDINT	—	Power supply terminal (+1.2V) (for core)
24 to 26	AD6 to AD4	I/O	Not used (Open)
27	VDDINT	—	Power supply terminal (+1.2V) (for core)
28	GND	—	Ground terminal
29, 30	AD3, AD2	I/O	Two-way address and data bus terminal Not used
31	VDDEXT	—	Power supply terminal (+3.3V) (for I/O)
32	GND	—	Ground terminal
33, 34	AD1, AD0	I/O	Not used (Open)
35	WR	O	Not used (Open)
36, 37	VDDINT	—	Power supply terminal (+1.2V) (for core)
38	GND	—	Ground terminal
39	RD	O	Not used (Open)
40	ALE	O	Not used (Open)
41 to 43	AD15 to AD13	I/O	Not used (Open)
44	GND	—	Ground terminal
45	VDDEXT	—	Power supply terminal (+3.3V) (for I/O)
46	AD12	I/O	Not used (Open)
47	VDDINT	—	Power supply terminal (+1.2V) (for core)
48	GND	—	Ground terminal
49 to 52	AD11 to AD8	I/O	Not used (Open)
53	A16	—	Not used (Open)
54	VDDINT	—	Power supply terminal (+1.2V) (for core)
55	GND	—	Ground terminal
56, 57	A17, A18	—	Not used (Open)
58	GND	—	Ground terminal

Pin No.	Pin Name	I/O	Description
59	VDDEXT	—	Power supply terminal (+3.3V) (for I/O)
60	VDDINT	—	Power supply terminal (+1.2V) (for core)
61	GND	—	Ground terminal
62	PF_CE	—	Not used (Open)
63	SPI_MAS	O	Master/slave selection signal output terminal “L”: DSP is master
64, 65	DPSOA, DPSOB	O	Audio serial data output to the stream processor
66	VDDINT	—	Power supply terminal (+1.2V) (for core)
67	GND	—	Ground terminal
68	VDDINT	—	Power supply terminal (+1.2V) (for core)
69	GND	—	Ground terminal
70	DPSOC	O	Audio serial data output to the stream processor
71	DPSOD	O	Not used (Open)
72	VDDINT	—	Power supply terminal (+1.2V) (for core)
73	VDDEXT	—	Power supply terminal (+3.3V) (for I/O)
74	GND	—	Ground terminal
75	VDDINT	—	Power supply terminal (+1.2V) (for core)
76	GND	—	Ground terminal
77	DPSOE	O	Not used (Open)
78	DPSIA	I	Audio serial data input from the digital audio interface
79	DPSIB	I	Audio serial data input from the A/D converter
80, 81	DPSIC, DPSID	I	Not used (Open)
82	DPSIE	I	Audio serial data input from the A/D converter
83	VDDINT	—	Power supply terminal (+1.2V) (for core)
84, 85	GND	—	Ground terminal
86	DPDVLCK	O	L/R sampling clock signal output to the stream processor
87	DPDVCK	O	Bit clock signal output to the stream processor
88	DPLCK	I	L/R sampling clock signal input from the digital audio interface
89	DPBCK	I	Bit clock signal input from the digital audio interface receiver
90	VDDINT	—	Power supply terminal (+1.2V) (for core)
91, 92	GND	—	Ground terminal
93	VDDEXT	—	Power supply terminal (+3.3V) (for I/O)
94	DPFSCK	I	Audio clock signal input from the digital audio interface
95	GND	—	Ground terminal
96	VDDINT	—	Power supply terminal (+1.2V) (for core)
97	NONAUDIO	I	PCM audio data input from the digital audio interface
98	SF_CE	O	Chip enable signal output to the serial flash
99	VDDINT	—	Power supply terminal (+1.2V) (for core)
100	GND	—	Ground terminal
101	VDDINT	—	Power supply terminal (+1.2V) (for core)
102	GND	—	Ground terminal
103	VDDINT	—	Power supply terminal (+1.2V) (for core)
104	GND	—	Ground terminal
105	VDDINT	—	Power supply terminal (+1.2V) (for core)
106	GND	—	Ground terminal
107, 108	VDDINT	—	Power supply terminal (+1.2V) (for core)
109	GND	—	Ground terminal
110	VDDINT	—	Power supply terminal (+1.2V) (for core)
111	GND	—	Ground terminal
112	VDDINT	—	Power supply terminal (+1.2V) (for core)

Pin No.	Pin Name	I/O	Description
113	GND	—	Ground terminal
114	VDDINT	—	Power supply terminal (+1.2V) (for core)
115	GND	—	Ground terminal
116	VDDEXT	—	Power supply terminal (+3.3V) (for I/O)
117	GND	—	Ground terminal
118	VDDINT	—	Power supply terminal (+1.2V) (for core)
119	GND	—	Ground terminal
120	VDDINT	—	Power supply terminal (+1.2V) (for core)
121	RESET	I	Reset signal input from the system controller “L”: reset
122	SPIDS	I	Device selection signal input from the system controller
123	GND	—	Ground terminal
124	VDDINT	—	Power supply terminal (+1.2V) (for core)
125	SPICLK	I	Serial data transfer clock signal input from the system controller
126	MISO	I/O	When DSP is master: Serial data input from the flash memory When DSP is slave: Serial data output to the main system controller
127	MOSI	I/O	When DSP is master: Serial data output to the flash memory When DSP is slave: Serial data input from the main system controller
128	GND	—	Ground terminal
129	VDDINT	—	Power supply terminal (+1.2V) (for core)
130	VDDEXT	—	Power supply terminal (+3.3V) (for I/O)
131	AVDD	—	Power supply terminal (+1.2V) (analog system)
132	AVSS	—	Ground terminal (analog system)
133	GND	—	Ground terminal
134	CLKOUT	O	Not used (Open)
135	EMU*	O	Not used (Open)
136	TDO	O	Not used (Open)
137	TDI	I	Not used (Fixed to “L”)
138	TRST*	I	Not used (Fixed to “L”)
139	TCK	I	Not used (Fixed to “L”)
140	TMS	I	Not used (Fixed to “L”)
141	GND	—	Ground terminal
142	CLKIN	I	System clock input terminal (25 MHz)
143	XTAL	O	System clock output terminal (25 MHz)
144	VDDEXT	—	Power supply terminal (+3.3V) (for I/O)

SECTION 7 EXPLODED VIEWS

NOTE:

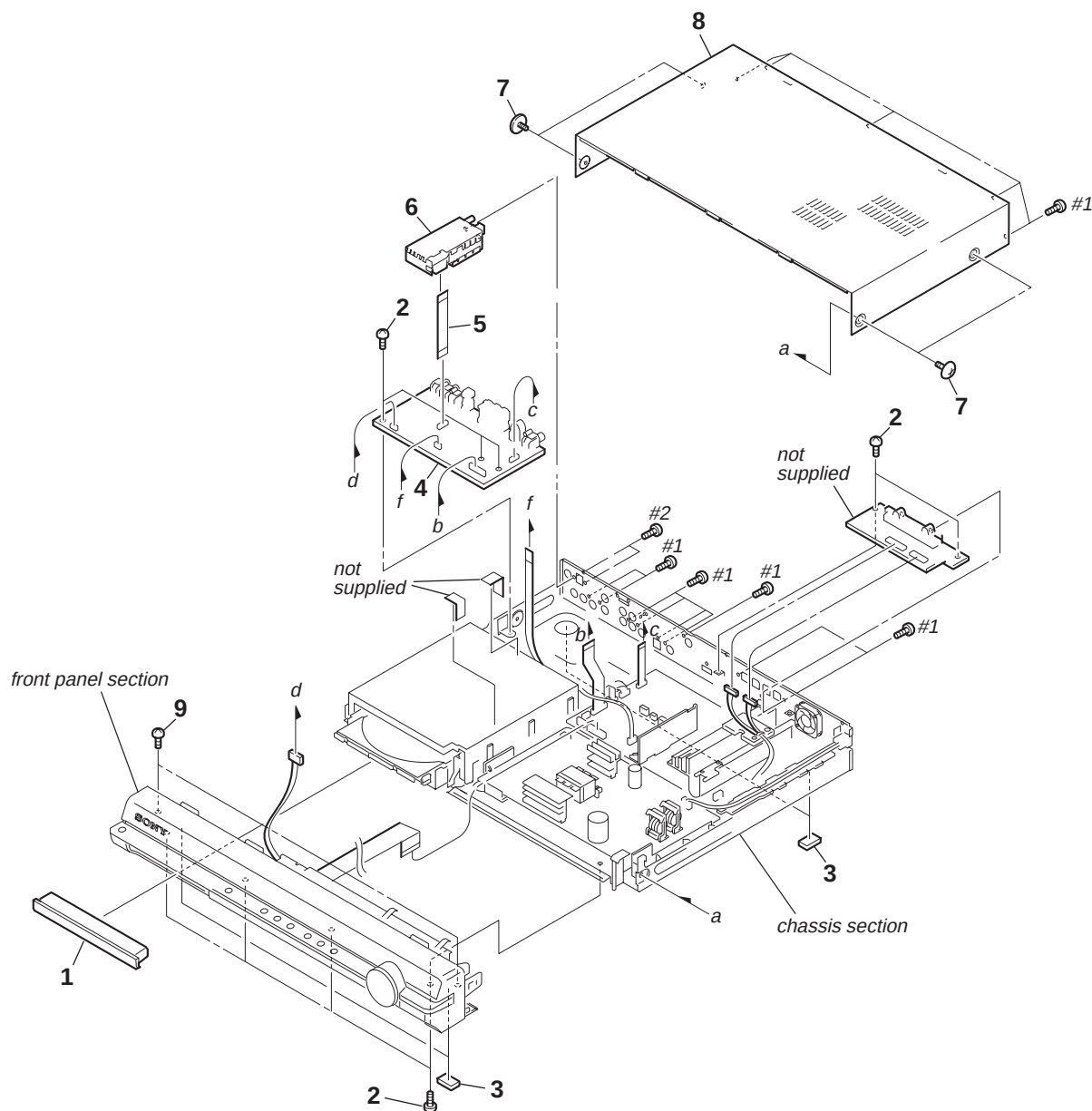
- XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
E32 : 110 – 240V AC area in E model
MX : Mexican model
SP : Singapore model
TH : Thai model

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

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

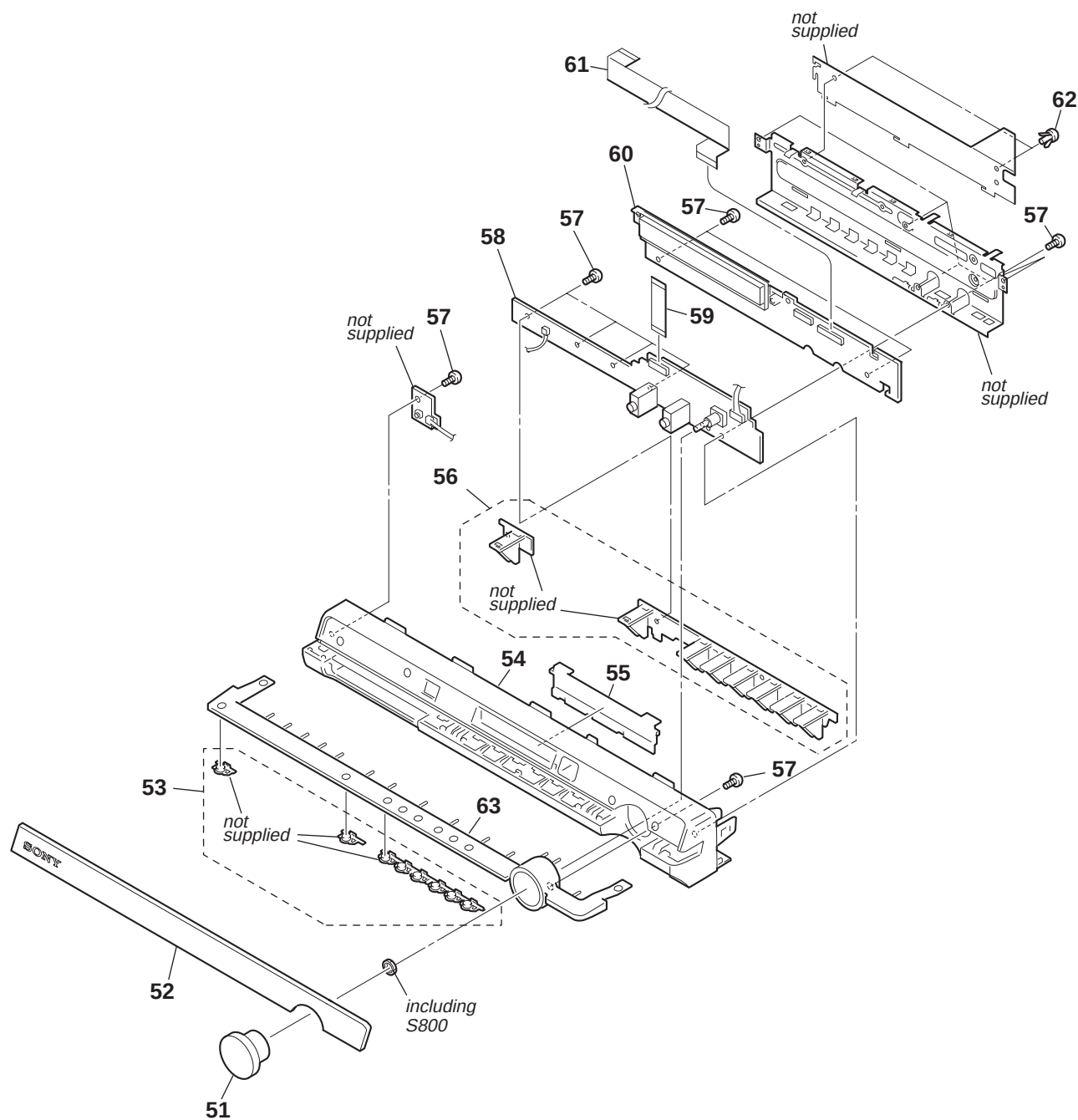
7-1. OVERALL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	2-889-987-11	PANEL, LOADING		7	3-363-099-22	SCREW (CASE 3X8 TP2)	
2	3-077-331-21	+BV3 (3-CR)		8	2-889-996-31	CASE (DS)	
3	4-232-478-31	FOOT		9	3-087-053-11	+BVTP2.6 (3CR)	
4	A-1231-265-A	IO-S-OUT BOARD, COMPLETE		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
5	1-828-952-11	WIRE (FLAT TYPE) (9 CORE)		#2	7-685-862-01	SCREW +BVTT 2.6X6 (S)	
6	1-693-727-11	TUNER (FM/AM)					

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

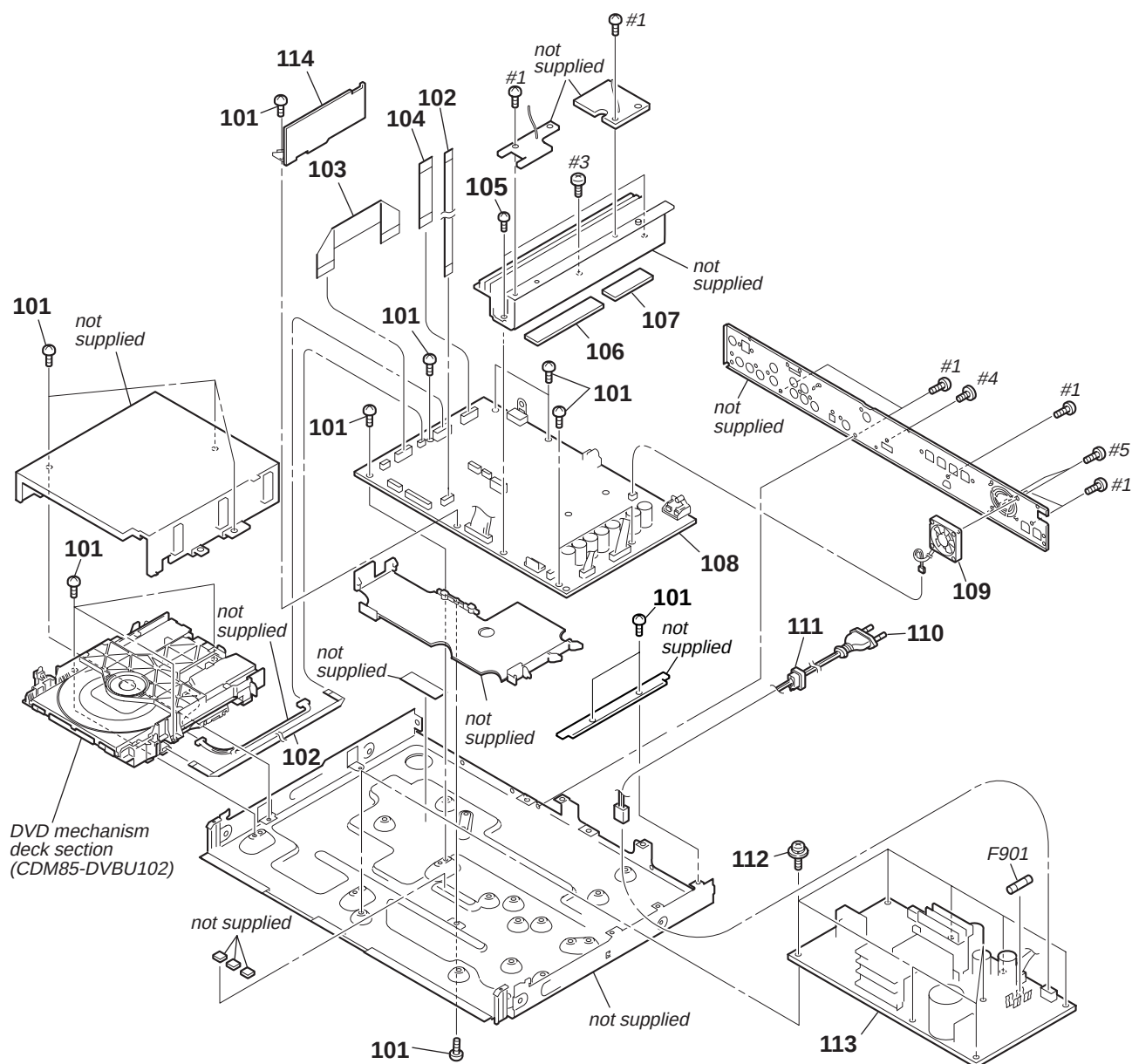
7-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	2-889-990-01	KNOB (VOL)		57	3-087-053-11	+BVTP2.6 (3CR)	
52	3-198-972-01	WINDOW, INDICATION (HM-2)(SP, TH)		58	A-1361-277-A	JACK BOARD, COMPLETE	
52	3-198-972-11	WINDOW, INDICATION (HM-2)(E32, MX)		59	1-828-325-11	WIRE (FLAT TYPE)(13 CORE)	
53	2-889-988-11	BUTTON (CAP)					
54	2-889-984-11	PANEL, FRONT		60	A-1222-498-A	FL BOARD, COMPLETE	
				61	1-828-374-51	WIRE (FLAT TYPE)(21 CORE)	
55	2-889-992-01	FILTER, COLOR		62	3-531-576-01	RIVET	
56	2-889-989-11	BUTTON (BASE)		63	2-889-986-01	ORNAMENT	

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

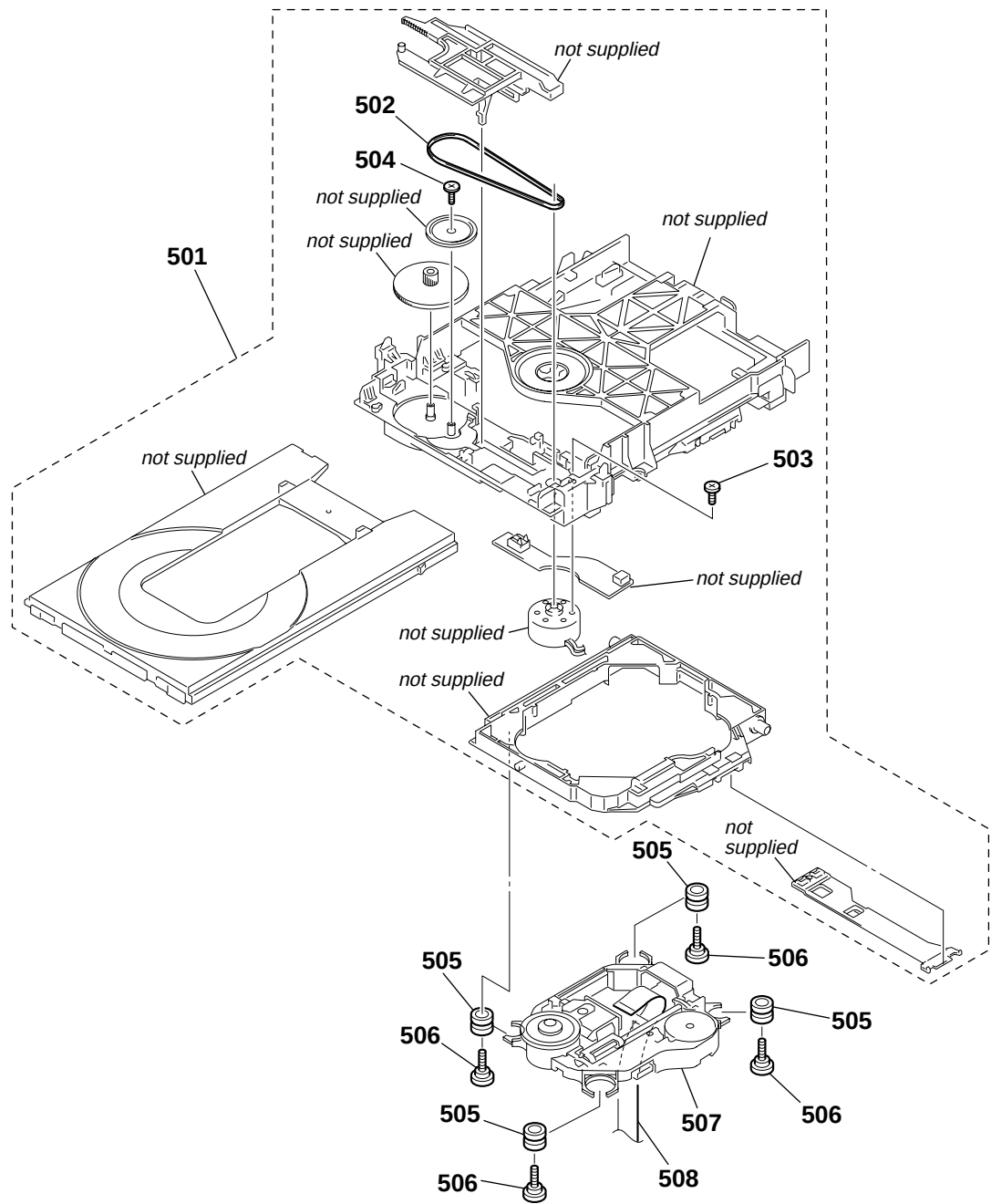
7-3. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	3-077-331-21	+BV3 (3-CR)		*△ 111	3-703-571-12	BUSHING (S) (4516), CORD (MX)	
102	1-828-292-11	WIRE (FLAT TYPE)(5CORE)		△ 111	4-916-783-01	BUSHING, CORD (TH)	
103	1-828-369-11	WIRE (FLAT TYPE)(21 CORE)		112	2-677-839-01	+PWH 3X8 (SUMITITE)	
104	1-828-316-11	WIRE (FLAT TYPE)(11CORE)		113	A-1248-175-A	POWER BOARD, COMPLETE (MX)	
105	3-077-331-11	+BV3 (3-CR)					
106	3-100-158-11	SHEET, RADIATION		113	A-1248-177-A	POWER BOARD, COMPLETE (E32)	
107	3-100-158-01	SHEET, RADIATION		113	A-1271-247-A	POWER BOARD, COMPLETE (SP, TH)	
△ 108	A-1257-377-A	MAIN BOARD, COMPLETE (SP, TH)		114	A-1267-787-A	DSP BOARD, COMPLETE	
△ 108	A-1257-385-A	MAIN BOARD, COMPLETE (MX)		△ F901	1-533-311-12	FUSE, GLASS CYLINDRICAL (DIA.5) (8A/125V) (MX)	
△ 108	A-1257-407-A	MAIN BOARD, COMPLETE (E32)		△ F901	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG)(T8AL/250V) (E32)	
109	1-787-331-11	FAN, D.C.					
△ 110	1-777-071-23	CORD, POWER (SP)		△ F901	1-576-233-51	FUSE (H.B.C.) (T6.3AH/250V)(SP, TH)	
△ 110	1-827-226-41	CORD, POWER (MX)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
△ 110	1-830-188-11	CORD, POWER (E32)		#3	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	
△ 110	1-834-288-11	CORD, POWER (TH)		#4	7-682-547-04	SCREW +B 3X6	
△ 111	3-703-244-00	BUSHING (2104), CORD (E32, SP)		#5	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.

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



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
501	A-6071-669-A	LOADING ASSY (M)		506	3-087-599-01	INSULATOR SCREW	
502	3-088-371-01	BELT		△ 507	8-820-321-05	OPTICAL PICK UP ASSY (KHM-313CAA/C2RP)	
503	4-974-725-11	SCREW (M1.7X2.5), P		508	1-828-773-51	WIRE (FLAT TYPE)(24 CORE)	
504	4-674-137-11	SCREW (PTP2X5)					
505	2-634-618-01	INSULATOR					

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

SECTION 8 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS**
uF: μ F
- COILS**
uH: μ H

- RESISTORS**
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- SEMICONDUCTORS**
In each case, u: μ , for example:
uA. . : μ A. ., uPA. . : μ PA. .,
uPB. . : μ PB. ., uPC. . : μ PC. .,
uPD. . : μ PD. .
- Abbreviation**
E32 : 110 – 240V AC area in E model
MX : Mexican model
SP : Singapore model
TH : Thai model

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

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

The components identified by mark $\square$ 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-1267-787-A	DSP BOARD, COMPLETE *****					C76	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C77	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C78	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
		< CAPACITOR >					C79	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C080	1-126-923-91	ELECT	220uF	20%	10V	
C7	1-126-916-11	ELECT	1000uF	20%	6.3V		C85	1-117-370-11	CERAMIC CHIP	10uF		10V	
C9	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V		C90	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C10	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V		C728	1-126-942-61	ELECT	1000uF	20%	25V	
C11	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C729	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C19	1-117-370-11	CERAMIC CHIP	10uF		10V		C731	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C23	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C732	1-104-658-91	ELECT	100uF	20%	10V	
C24	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C782	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C25	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C783	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V	
C26	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C784	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C28	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C785	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C29	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C786	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C30	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C788	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C32	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V								
C33	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V				< CONNECTOR >				
C34	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		CN001	1-820-873-11	CONNECTOR, BOARD TO BOARD 30P				
C35	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V				< RESISTOR >				
C36	1-117-370-11	CERAMIC CHIP	10uF		10V								
C39	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		D1	1-216-296-11	SHORT CHIP	0 (TH)			
C40	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V				< IC >				
C42	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V								
C43	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		IC002	6-709-759-01	IC	ADSST-AVR-1115			
C45	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		IC703	6-705-308-01	IC	SI-3010KM-TL			
C46	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		IC782	6-710-388-01	IC	74LVC1G79GW-125			
C49	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		IC783	6-704-099-01	IC	TC7WZ08FK (TE85R)			
							IC785	8-759-680-48	IC	TC7WH157FK (TE85R)			
C50	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V								
C52	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		IC786	8-759-831-52	IC	TC7WH125FK (TE85R)			
C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		IC787	6-807-120-01	IC	SST25VF040B-50-4C-QAF-1			
C57	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V								
C59	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V				< COIL >				
C61	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		L1	1-414-398-11	INDUCTOR	10uH			
C62	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V								
C63	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V				< TRANSISTOR >				
C64	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V								
C66	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		Q781	8-729-038-11	TRANSISTOR	RT1P140C-TP-1			
C67	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V				< RESISTOR >				
C70	1-117-370-11	CERAMIC CHIP	10uF		10V								
C71	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		R001	1-216-801-11	METAL CHIP	22	5%	1/10W	
C73	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		R002	1-216-801-11	METAL CHIP	22	5%	1/10W	
C74	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		R003	1-216-801-11	METAL CHIP	22	5%	1/10W	
C75	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V								

HCD-DZ7T

Ver. 1.1

DSP FL

Ref. No.	Part No.	Description			Remark
R004	1-216-801-11	METAL CHIP	22	5%	1/10W
R005	1-216-801-11	METAL CHIP	22	5%	1/10W
R006	1-216-801-11	METAL CHIP	22	5%	1/10W
R007	1-216-801-11	METAL CHIP	22	5%	1/10W
R008	1-216-801-11	METAL CHIP	22	5%	1/10W
R009	1-216-801-11	METAL CHIP	22	5%	1/10W
R012	1-216-833-11	METAL CHIP	10K	5%	1/10W
R013	1-216-833-11	METAL CHIP	10K	5%	1/10W
R13	1-216-864-11	SHORT CHIP	0		
R014	1-216-833-11	METAL CHIP	10K	5%	1/10W
R015	1-216-833-11	METAL CHIP	10K	5%	1/10W
R16	1-216-864-11	SHORT CHIP	0		
R17	1-216-864-11	SHORT CHIP	0		
R18	1-216-864-11	SHORT CHIP	0		
R20	1-216-864-11	SHORT CHIP	0		
R21	1-216-833-11	METAL CHIP	10K	5%	1/10W
R023	1-216-819-11	METAL CHIP	680	5%	1/10W
R24	1-216-821-11	METAL CHIP	1K	5%	1/10W
R25	1-216-864-11	SHORT CHIP	0		
R26	1-216-801-11	METAL CHIP	22	5%	1/10W
R27	1-216-801-11	METAL CHIP	22	5%	1/10W
R28	1-216-801-11	METAL CHIP	22	5%	1/10W
R29	1-216-801-11	METAL CHIP	22	5%	1/10W
R30	1-216-801-11	METAL CHIP	22	5%	1/10W
R32	1-216-833-11	METAL CHIP	10K	5%	1/10W
R35	1-216-857-11	METAL CHIP	1M	5%	1/10W
R36	1-216-797-11	METAL CHIP	10	5%	1/10W
R38	1-216-864-11	SHORT CHIP	0		
R41	1-216-833-11	METAL CHIP	10K	5%	1/10W
R43	1-216-833-11	METAL CHIP	10K	5%	1/10W
R45	1-216-833-11	METAL CHIP	10K	5%	1/10W
R47	1-216-821-11	METAL CHIP	1K	5%	1/10W
R048	1-216-809-11	METAL CHIP	100	5%	1/10W
R49	1-216-864-11	SHORT CHIP	0		
R50	1-216-821-11	METAL CHIP	1K	5%	1/10W
R51	1-216-864-11	SHORT CHIP	0		
R52	1-216-864-11	SHORT CHIP	0		
R53	1-216-801-11	METAL CHIP	22	5%	1/10W
R54	1-216-801-11	METAL CHIP	22	5%	1/10W
R58	1-216-864-11	SHORT CHIP	0		
R59	1-216-864-11	SHORT CHIP	0		
R60	1-216-864-11	SHORT CHIP	0		
R65	1-216-801-11	METAL CHIP	22	5%	1/10W
R66	1-216-801-11	METAL CHIP	22	5%	1/10W
R67	1-216-801-11	METAL CHIP	22	5%	1/10W
R90	1-216-809-11	METAL CHIP	100	5%	1/10W
R91	1-216-809-11	METAL CHIP	100	5%	1/10W
R92	1-216-809-11	METAL CHIP	100	5%	1/10W
R742	1-216-821-11	METAL CHIP	1K	5%	1/10W
R744	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R745	1-218-854-11	METAL CHIP	2K	0.5%	1/10W
R781	1-216-849-11	METAL CHIP	220K	5%	1/10W
R782	1-216-809-11	METAL CHIP	100	5%	1/10W
R783	1-216-295-91	SHORT CHIP	0		
R784	1-216-821-11	METAL CHIP	1K	5%	1/10W
R785	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
		< VIBRATOR >			
X1	1-795-807-11	VIBRATOR, CRYSTAL(25MHz)			

	A-1222-498-A	FL BOARD, COMPLETE			

		< CAPACITOR >			
C800	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C801	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V
C802	1-126-947-11	ELECT	47uF	20%	35V
C803	1-126-933-11	ELECT	100uF	20%	16V
C804	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C805	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C809	1-126-157-11	ELECT	10uF	20%	16V
C811	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C814	1-126-157-11	ELECT	10uF	20%	16V
C829	1-124-259-11	ELECT	4.7uF	20%	50V
		< CONNECTOR >			
CN801	1-779-558-11	CONNECTOR, FFC (LIF (NON-ZIF)) 21P			
CN805	1-794-506-51	CONNECTOR, FFC/FPC 13P			
		< DIODE >			
D801	6-501-193-01	DIODE 1SS355WTE-17			
D802	6-501-193-01	DIODE 1SS355WTE-17			
D803	6-501-169-01	DIODE UDZW-TE17-6.2B			
D804	6-501-193-01	DIODE 1SS355WTE-17			
D805	6-501-193-01	DIODE 1SS355WTE-17			
		< IC >			
IC801	6-600-349-21	IC NJL23H400A			
IC802	8-759-643-83	IC uPD16315GB-3BS			
		< JUMPER RESISTOR >			
JR801	1-216-864-11	SHORT CHIP	0		
JR802	1-216-864-11	SHORT CHIP	0		
JR807	1-216-864-11	SHORT CHIP	0		
JR808	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L801	1-410-671-31	INDUCTOR	47uH		
L802	1-410-671-31	INDUCTOR	47uH		
		< FLUORESCENT INDICATOR TUBE >			
ND001	1-451-590-11	VACUUM FLUORESCENT DISPLAYS			
		< TRANSISTOR >			
Q801	6-550-065-01	TRANSISTOR	CPH5504-TL-E		
		< RESISTOR >			
R800	1-216-864-11	SHORT CHIP	0		
R801	1-216-839-11	METAL CHIP	33K	5%	1/10W
R802	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R804	1-216-828-11	METAL CHIP	3.9K	5%	1/10W		C353	1-126-933-11	ELECT	100uF	20%	16V	
R805	1-216-295-91	SHORT CHIP	0										
R811	1-216-844-11	METAL CHIP	82K	5%	1/10W		C354	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
R812	1-216-845-11	METAL CHIP	100K	5%	1/10W		C355	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
R813	1-216-845-11	METAL CHIP	100K	5%	1/10W		C356	1-126-966-11	ELECT	33uF	20%	50V	
R814	1-216-809-11	METAL CHIP	100	5%	1/10W		C357	1-126-964-11	ELECT	10uF	20%	50V	
R815	1-216-809-11	METAL CHIP	100	5%	1/10W		C358	1-126-964-11	ELECT	10uF	20%	50V	
R816	1-216-809-11	METAL CHIP	100	5%	1/10W		C359	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
R819	1-216-805-11	METAL CHIP	47	5%	1/10W		C360	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
R820	1-216-845-11	METAL CHIP	100K	5%	1/10W		C361	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
< TRANSFORMER >							C362	1-126-964-11	ELECT	10uF	20%	50V	
T801	1-443-645-11	TRANSFORMER, DC CONVERTER					C363	1-126-933-11	ELECT	100uF	20%	16V	
*****							C364	1-126-933-11	ELECT	100uF	20%	16V	
A-1231-265-A	IO-S-OUT BOARD, COMPLETE						C365	1-162-921-11	CERAMIC CHIP	33PF	5%	50V	
*****							C367	1-126-964-11	ELECT	10uF	20%	50V	
< CAPACITOR >							C368	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C211	1-126-964-11	ELECT	10uF	20%	50V		C369	1-126-933-11	ELECT	100uF	20%	16V	
C222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C371	1-104-662-91	ELECT	22uF	20%	25V	
C228	1-126-916-11	ELECT	1000uF	20%	6.3V		C372	1-104-662-91	ELECT	22uF	20%	25V	
C251	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		C373	1-104-662-91	ELECT	22uF	20%	25V	
C302	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		C374	1-104-662-91	ELECT	22uF	20%	25V	
C303	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		C376	1-104-662-91	ELECT	22uF	20%	25V	
C309	1-126-957-11	ELECT	0.22uF	20%	50V		C383	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C311	1-162-960-11	CERAMIC CHIP	220PF	10%	50V		C384	1-126-933-11	ELECT	100uF	20%	16V	
C312	1-164-156-11	CERAMIC CHIP	0.1uF		25V		C385	1-126-960-11	ELECT	1uF	20%	50V	
C313	1-126-933-11	ELECT	100uF	20%	16V		C386	1-126-960-11	ELECT	1uF	20%	50V	
C314	1-164-156-11	CERAMIC CHIP	0.1uF		25V		C387	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C315	1-126-933-11	ELECT	100uF	20%	16V		C388	1-127-573-11	CERAMIC CHIP	1uF	10%	16V	
C317	1-164-156-11	CERAMIC CHIP	0.1uF		25V		C389	1-126-947-11	ELECT	47uF	20%	35V	
C321	1-104-662-91	ELECT	22uF	20%	25V		C390	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C322	1-104-662-91	ELECT	22uF	20%	25V		C391	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C325	1-104-662-91	ELECT	22uF	20%	25V		C392	1-126-933-11	ELECT	100uF	20%	16V	
C326	1-104-662-91	ELECT	22uF	20%	25V		C393	1-126-960-11	ELECT	1uF	20%	50V	
C329	1-126-933-11	ELECT	100uF	20%	16V		C394	1-126-957-11	ELECT	0.22uF	20%	50V	
C330	1-162-960-11	CERAMIC CHIP	220PF	10%	50V		C396	1-126-960-11	ELECT	1uF	20%	50V	
C331	1-126-916-11	ELECT	1000uF	20%	6.3V		C397	1-126-964-11	ELECT	10uF	20%	50V	
C332	1-126-933-11	ELECT	100uF	20%	16V		C400	1-126-964-11	ELECT	10uF	20%	50V	
C333	1-126-933-11	ELECT	100uF	20%	16V		< CONNECTOR >						
C334	1-126-916-11	ELECT	1000uF	20%	6.3V		CN302	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P				
C335	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		CN304	1-779-279-11	CONNECTOR, FFC (LIF (NON-ZIF)) 11P				
C337	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		CN305	1-568-828-11	CONNECTOR, FFC 9P				
C338	1-126-933-11	ELECT	100uF	20%	16V		CN307	1-779-273-11	CONNECTOR, FFC (LIF (NON-ZIF)) 5P				
C339	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		CN311	1-779-289-11	CONNECTOR, FFC (LIF (NON-ZIF)) 21P				
C340	1-104-662-91	ELECT	22uF	20%	25V		< DIODE >						
C341	1-104-662-91	ELECT	22uF	20%	25V		D280	6-501-193-01	DIODE	1SS355WTE-17			
C342	1-162-960-11	CERAMIC CHIP	220PF	10%	50V		D281	6-501-193-01	DIODE	1SS355WTE-17			
C343	1-162-960-11	CERAMIC CHIP	220PF	10%	50V		D300	6-501-193-01	DIODE	1SS355WTE-17			
C345	1-126-933-11	ELECT	100uF	20%	16V		D301	6-501-193-01	DIODE	1SS355WTE-17			
C346	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		D306	8-719-069-54	DIODE	UDZSTE-175.1B			
C347	1-126-925-91	ELECT	470uF	20%	10V		D307	6-501-193-01	DIODE	1SS355WTE-17			
C348	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		D308	6-501-193-01	DIODE	1SS355WTE-17			
C349	1-126-933-11	ELECT	100uF	20%	16V		D309	8-719-058-24	DIODE	RB501V-40TE-17			
C350	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		< IC >						
C351	1-126-933-11	ELECT	100uF	20%	16V		IC300	6-706-078-01	IC	M62429FP-TP			
C352	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		IC301	6-600-466-01	IC	TORX147L (SONY) (OPTICAL)			
							IC302	6-706-492-01	IC	TC7SHU04FU (T5RSQJF)			

IO-S-OUT

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
IC303	8-759-385-76	IC MC14052 BDR2					R339	1-218-285-11	METAL CHIP	75	5%	1/10W	
IC304	8-759-385-76	IC MC14052 BDR2					R340	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R341	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
IC305	8-759-832-10	IC LA3210 A/B-E											
IC306	8-759-100-96	IC uPC4558G2					R342	1-216-841-11	METAL CHIP	47K	5%	1/10W	
IC307	6-703-550-01	IC TA7809LS					R343	1-216-841-11	METAL CHIP	47K	5%	1/10W	
IC308	6-710-470-01	IC MM1758AFBE					R346	1-216-841-11	METAL CHIP	47K	5%	1/10W	
IC309	8-759-677-33	IC MM1228XFBE					R347	1-216-841-11	METAL CHIP	47K	5%	1/10W	
							R348	1-216-833-11	METAL CHIP	10K	5%	1/10W	
		< JACK >											
J300	1-820-862-11	JACK, PIN 3P (SAT/CABLE)					R349	1-216-833-11	METAL CHIP	10K	5%	1/10W	
J301	1-694-920-11	TERMINAL BOARD (S TERMINAL+1P) (MONITOR OUT)					R350	1-216-864-11	SHORT CHIP	0			
							R351	1-216-809-11	METAL CHIP	100	5%	1/10W	
J302	1-784-431-11	JACK, PIN 1P (COAXIAL)					R352	1-216-833-11	METAL CHIP	10K	5%	1/10W	
J303	1-820-784-11	JACK, PIN 5P (COMPONENT VIDEO OUT/TV)					R353	1-216-833-11	METAL CHIP	10K	5%	1/10W	
		< COIL >					R356	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R359	1-218-285-11	METAL CHIP	75	5%	1/10W	
L201	1-469-525-91	INDUCTOR 10uH					R360	1-216-821-11	METAL CHIP	1K	5%	1/10W	
L300	1-469-525-91	INDUCTOR 10uH					R361	1-216-809-11	METAL CHIP	100	5%	1/10W	
L301	1-469-525-91	INDUCTOR 10uH					R363	1-216-841-11	METAL CHIP	47K	5%	1/10W	
L302	1-469-525-91	INDUCTOR 10uH											
L304	1-469-525-91	INDUCTOR 10uH					R364	1-216-841-11	METAL CHIP	47K	5%	1/10W	
							R365	1-216-841-11	METAL CHIP	47K	5%	1/10W	
							R366	1-216-841-11	METAL CHIP	47K	5%	1/10W	
L305	1-469-525-91	INDUCTOR 10uH					R367	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R372	1-218-285-11	METAL CHIP	75	5%	1/10W	
		< TRANSISTOR >											
Q302	8-729-027-52	TRANSISTOR DTC124EKA-T146					R373	1-216-833-11	METAL CHIP	10K	5%	1/10W	
Q304	8-729-027-52	TRANSISTOR DTC124EKA-T146					R374	1-216-845-11	METAL CHIP	100K	5%	1/10W	
Q305	8-729-027-52	TRANSISTOR DTC124EKA-T146					R375	1-216-864-11	SHORT CHIP	0			
Q306	8-729-027-52	TRANSISTOR DTC124EKA-T146					R378	1-216-864-11	SHORT CHIP	0			
Q307	8-729-027-52	TRANSISTOR DTC124EKA-T146					R379	1-216-833-11	METAL CHIP	10K	5%	1/10W	
		< RESISTOR >					R382	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R383	1-216-837-11	METAL CHIP	22K	5%	1/10W	
							R386	1-216-864-11	SHORT CHIP	0			
R227	1-218-285-11	METAL CHIP 75 5% 1/10W					R387	1-216-815-11	METAL CHIP	330	5%	1/10W	
R228	1-218-285-11	METAL CHIP 75 5% 1/10W					△ R388	1-215-865-11	METAL OXIDE	220	5%	1W F	
R229	1-218-285-11	METAL CHIP 75 5% 1/10W											
R305	1-216-833-11	METAL CHIP 10K 5% 1/10W					R390	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R306	1-216-829-11	METAL CHIP 4.7K 5% 1/10W					R391	1-216-864-11	SHORT CHIP	0			
							R392	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R307	1-216-829-11	METAL CHIP 4.7K 5% 1/10W					R393	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R310	1-216-829-11	METAL CHIP 4.7K 5% 1/10W					R394	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R311	1-216-829-11	METAL CHIP 4.7K 5% 1/10W											
R312	1-216-829-11	METAL CHIP 4.7K 5% 1/10W					R395	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R314	1-216-829-11	METAL CHIP 4.7K 5% 1/10W					R396	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R398	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R316	1-216-829-11	METAL CHIP 4.7K 5% 1/10W					R399	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R317	1-216-809-11	METAL CHIP 100 5% 1/10W					R400	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R318	1-216-809-11	METAL CHIP 100 5% 1/10W											
R319	1-216-841-11	METAL CHIP 47K 5% 1/10W					R402	1-218-827-11	METAL CHIP	150	0.5%	1/10W	
R320	1-216-829-11	METAL CHIP 4.7K 5% 1/10W					R403	1-216-845-11	METAL CHIP	100K	5%	1/10W	
							R404	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R321	1-216-829-11	METAL CHIP 4.7K 5% 1/10W					R405	1-218-827-11	METAL CHIP	150	0.5%	1/10W	
R323	1-218-285-11	METAL CHIP 75 5% 1/10W					R406	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R324	1-216-829-11	METAL CHIP 4.7K 5% 1/10W											
R326	1-218-285-11	METAL CHIP 75 5% 1/10W					R407	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R328	1-218-285-11	METAL CHIP 75 5% 1/10W					R408	1-218-827-11	METAL CHIP	150	0.5%	1/10W	
							R409	1-218-827-11	METAL CHIP	150	0.5%	1/10W	
R329	1-216-817-11	METAL CHIP 470 5% 1/10W					R410	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R331	1-218-285-11	METAL CHIP 75 5% 1/10W					R411	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R332	1-216-829-11	METAL CHIP 4.7K 5% 1/10W											
R333	1-216-841-11	METAL CHIP 47K 5% 1/10W					R412	1-218-827-11	METAL CHIP	150	0.5%	1/10W	
R334	1-216-841-11	METAL CHIP 47K 5% 1/10W					R413	1-218-827-11	METAL CHIP	150	0.5%	1/10W	
							R414	1-216-864-11	SHORT CHIP	0			
R337	1-216-841-11	METAL CHIP 47K 5% 1/10W					R415	1-216-864-11	SHORT CHIP	0			
R338	1-216-841-11	METAL CHIP 47K 5% 1/10W					R416	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	

87

HCD-DZ7T

Ver. 1.1

JACK

MAIN

Ref. No.	Part No.	Description	Remark		
R853	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R854	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R855	1-216-821-11	METAL CHIP	1K	5%	1/10W
R856	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R857	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R858	1-216-864-11	SHORT CHIP	0		
< SWITCH >					
S800	1-418-725-51	ENCODER, ROTARY (12 TYPE) (VOLUME)			
S802	1-762-875-21	SWITCH, KEYBOARD (FUNCTION)			
S803	1-762-875-21	SWITCH, KEYBOARD (I◀◀)			
S804	1-762-875-21	SWITCH, KEYBOARD (II)			
S805	1-762-875-21	SWITCH, KEYBOARD (■)			
S806	1-762-875-21	SWITCH, KEYBOARD (▶▶I)			
S807	1-762-875-21	SWITCH, KEYBOARD (≡)			
S808	1-762-875-21	SWITCH, KEYBOARD (▷)			

Ⓐ	A-1257-377-A	MAIN BOARD, COMPLETE (SP,TH)			
Ⓐ	A-1257-385-A	MAIN BOARD, COMPLETE (MX)			
Ⓐ	A-1257-407-A	MAIN BOARD, COMPLETE (E32)			

< CAPACITOR >					
C450	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C451	1-126-947-11	ELECT	47uF	20%	35V
C452	1-126-947-11	ELECT	47uF	20%	35V
C453	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C454	1-126-960-11	ELECT	1uF	20%	50V
C455	1-126-947-11	ELECT	47uF	20%	35V
C456	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C457	1-104-662-91	ELECT	22uF	20%	25V
C458	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C459	1-126-947-11	ELECT	47uF	20%	35V
C460	1-126-961-11	ELECT	2.2uF	20%	50V
C461	1-126-961-11	ELECT	2.2uF	20%	50V
C462	1-126-947-11	ELECT	47uF	20%	35V
C463	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C464	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C465	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C466	1-126-947-11	ELECT	47uF	20%	35V
C467	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C468	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C469	1-126-964-11	ELECT	10uF	20%	50V
C470	1-126-947-11	ELECT	47uF	20%	35V
C471	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
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
C506	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
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
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

Ref. No.	Part No.	Description	Remark		
C519	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C520	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C521	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C522	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C523	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C524	1-126-947-11	ELECT	47uF	20%	35V
C525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C526	1-104-658-91	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	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C532	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C534	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C535	1-126-947-11	ELECT	47uF	20%	35V
C536	1-126-947-11	ELECT	47uF	20%	35V
C538	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C705	1-126-964-11	ELECT	10uF	20%	50V
C706	1-126-964-11	ELECT	10uF	20%	50V
C707	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C708	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C709	1-126-923-91	ELECT	220uF	20%	10V
C710	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C711	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C716	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C717	1-126-964-11	ELECT	10uF	20%	50V
C718	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C719	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C720	1-126-923-91	ELECT	220uF	20%	10V
C721	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C722	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C723	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C724	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C725	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C727	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C771	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C774	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C775	1-126-964-11	ELECT	10uF	20%	50V
C1101	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1102	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C1105	1-126-947-11	ELECT	47uF	20%	35V
C1106	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1110	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1112	1-128-994-21	ELECT CHIP	47uF	20%	10V
C1113	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1114	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1115	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1117	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1118	1-126-964-11	ELECT	10uF	20%	50V
C1119	1-126-964-11	ELECT	10uF	20%	50V
C1120	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1121	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1122	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1123	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1124	1-165-908-11	CERAMIC CHIP	1uF	10%	10V

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C1125	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1199	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C1126	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1203	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1127	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1205	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C1128	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V	C1206	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C1130	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1131	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1209	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C1132	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1210	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1133	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1211	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C1135	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V	C1212	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1136	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1213	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1137	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1214	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1138	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C1215	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1139	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C1217	1-126-947-11	ELECT	47uF	20%	35V
C1140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1218	1-126-964-11	ELECT	10uF	20%	50V
C1144	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1219	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1145	1-124-779-00	ELECT CHIP	10uF	20%	16V	C1220	1-126-964-11	ELECT	10uF	20%	50V
C1146	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1147	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	C1222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1148	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	C1223	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1149	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1224	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1150	1-124-779-00	ELECT CHIP	10uF	20%	16V	C1225	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1151	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C1226	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1152	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	C1233	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C1153	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	C1602	1-128-994-21	ELECT CHIP	47uF	20%	10V
C1154	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1603	1-128-994-21	ELECT CHIP	47uF	20%	10V
C1155	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1701	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1156	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1702	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1157	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1703	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1158	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1704	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1160	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1706	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1161	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1707	1-126-965-91	ELECT	22uF	20%	50V
C1162	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1709	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1163	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1710	1-126-964-11	ELECT	10uF	20%	50V
C1164	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1711	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1169	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1712	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1170	1-124-779-00	ELECT CHIP	10uF	20%	16V	C1713	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V
C1171	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1714	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1172	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1715	1-126-947-11	ELECT	47uF	20%	35V
C1173	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C1716	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1174	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1717	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1175	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1718	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1176	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1719	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1177	1-126-947-11	ELECT	47uF	20%	35V	C1720	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1179	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1723	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1725	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1181	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C1727	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1182	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V	C1729	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1183	1-128-934-91	CERAMIC CHIP	0.33uF	20%	10V	C1730	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1184	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1736	1-126-947-11	ELECT	47uF	20%	35V
C1186	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V	C2103	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1187	1-126-947-11	ELECT	47uF	20%	35V	C2104	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1190	1-104-658-91	ELECT	100uF	20%	10V	C2105	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1191	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2106	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1192	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C2107	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1193	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V	C2108	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1195	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V	C2110	1-126-923-91	ELECT	220uF	20%	10V
C1197	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2111	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C1198	1-165-908-11	CERAMIC CHIP	1uF	10%	10V						

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MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C2114	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3108	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C2130	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3109	1-112-246-11	ELECT	100uF	20%	35V
C3000	1-126-382-11	ELECT	100uF	20%	16V	C3112	1-112-246-11	ELECT	100uF	20%	35V
C3001	1-126-947-11	ELECT	47uF	20%	35V	C3113	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3002	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	C3114	1-137-198-81	FILM	1uF	5%	50V
C3003	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C3115	1-137-198-81	FILM	1uF	5%	50V
C3004	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C3116	1-112-831-11	ELECT	2200uF	20%	35V
C3011	1-126-947-11	ELECT	47uF	20%	35V	C3117	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3012	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3122	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3123	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3014	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3124	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3125	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3126	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3017	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3127	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3128	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3129	1-117-370-11	CERAMIC CHIP	10uF		10V
C3020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3150	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3021	1-126-947-11	ELECT	47uF	20%	35V	C3153	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3154	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3155	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3156	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3157	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3158	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3159	1-112-246-11	ELECT	100uF	20%	35V
C3028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3162	1-112-246-11	ELECT	100uF	20%	35V
C3029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3163	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3164	1-137-198-81	FILM	1uF	5%	50V
C3031	1-126-947-11	ELECT	47uF	20%	35V	C3165	1-137-198-81	FILM	1uF	5%	50V
C3032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3166	1-112-831-11	ELECT	2200uF	20%	35V
C3033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3167	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3172	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3173	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3200	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3203	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3038	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3204	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3205	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3206	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3051	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	C3207	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3052	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	C3208	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3054	1-126-933-11	ELECT	100uF	20%	16V	C3209	1-112-246-11	ELECT	100uF	20%	35V
C3055	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3212	1-112-246-11	ELECT	100uF	20%	35V
C3056	1-126-923-91	ELECT	220uF	20%	10V	C3213	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3057	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3214	1-137-198-81	FILM	1uF	5%	50V
C3058	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V	C3215	1-137-198-81	FILM	1uF	5%	50V
C3059	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C3216	1-112-831-11	ELECT	2200uF	20%	35V
C3060	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	C3217	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3067	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C3250	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3068	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C3253	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3069	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C3254	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3070	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C3255	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3071	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3256	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3091	1-126-934-11	ELECT	220uF	20%	16V	C3257	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3100	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	C3258	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3103	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	C3259	1-112-246-11	ELECT	100uF	20%	35V
C3104	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C3262	1-112-246-11	ELECT	100uF	20%	35V
C3105	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	C3263	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3106	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	C3264	1-137-198-81	FILM	1uF	5%	50V
C3107	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V						

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C3265	1-137-198-81	FILM	1uF	5%	50V						
C3266	1-112-831-11	ELECT	2200uF	20%	35V	C3903	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3267	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	C3904	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
						C3911	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C3300	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	C3912	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C3303	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	C3913	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C3304	1-164-156-11	CERAMIC CHIP	0.1uF		25V						
C3305	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	C3914	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C3306	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	C3915	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
						C3916	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3307	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	C3917	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3308	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	C3918	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3309	1-112-246-11	ELECT	100uF	20%	35V						
C3312	1-112-246-11	ELECT	100uF	20%	35V	C3919	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3313	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	C9772	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3314	1-137-198-81	FILM	1uF	5%	50V			< CONNECTOR >			
C3315	1-137-198-81	FILM	1uF	5%	50V						
C3316	1-112-831-11	ELECT	2200uF	20%	35V	CN451	1-820-048-11	CONNECTOR (LIGHTING)			
C3317	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	CN502	1-778-692-51	CONNECTOR, FFC/FPC 21P			
C3322	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	CN503	1-784-368-51	CONNECTOR, FFC/FPC 9P			
						CN512	1-506-469-11	PIN, CONNECTOR 4P			
C3323	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	CN604	1-778-692-51	CONNECTOR, FFC/FPC 21P			
C3372	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						
C3373	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	CN702	1-779-273-11	CONNECTOR, FFC (LIF (NON-ZIF)) 5P			
C3400	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	CN703	1-820-872-11	CONNECTOR, BOARD TO BOARD 30P			
C3403	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	CN1101	1-815-763-32	CONNECTOR, FFC/FPC 24P			
						* CN1105	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
C3404	1-164-156-11	CERAMIC CHIP	0.1uF		25V	* CN1201	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
C3405	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V						
C3406	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	CN1202	1-784-365-51	CONNECTOR, FFC/FPC 5P			
C3407	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	CN1701	1-820-735-11	HDMI CONNECTOR (HDMI OUT)			
C3408	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	CN3000	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
						CN3002	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
C3409	1-112-246-11	ELECT	100uF	20%	35V	CN4302	1-784-370-51	CONNECTOR, FFC/FPC 11P			
C3412	1-112-246-11	ELECT	100uF	20%	35V						
C3413	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V			< DIODE >			
C3414	1-137-198-81	FILM	1uF	5%	50V	D451	6-501-579-01	DIODE MC2837			
C3415	1-137-198-81	FILM	1uF	5%	50V	D453	6-501-579-01	DIODE MC2837			
						D455	6-501-579-01	DIODE MC2837			
C3416	1-112-831-11	ELECT	2200uF	20%	35V	D456	6-501-579-01	DIODE MC2837			
C3417	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	D460	8-719-083-58	DIODE UDZSTE-173.9B			
C3422	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						
C3423	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	D501	6-501-193-01	DIODE 1SS355WTE-17			
C3429	1-117-370-11	CERAMIC CHIP	10uF		10V	D502	6-501-193-01	DIODE 1SS355WTE-17			
						D504	6-501-193-01	DIODE 1SS355WTE-17			
C3500	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	D505	6-500-334-01	DIODE MC2836-T112-1			
C3503	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	D506	6-501-193-01	DIODE 1SS355WTE-17			
C3504	1-164-156-11	CERAMIC CHIP	0.1uF		25V						
C3505	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V	D701	6-501-579-01	DIODE MC2837			
C3506	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	D3111	6-500-885-01	DIODE P6SMBJ33A-5			
						D3112	6-500-885-01	DIODE P6SMBJ33A-5			
C3507	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V	D3151	6-500-885-01	DIODE P6SMBJ33A-5			
C3508	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	D3152	6-500-885-01	DIODE P6SMBJ33A-5			
C3509	1-112-246-11	ELECT	100uF	20%	35V						
C3512	1-112-246-11	ELECT	100uF	20%	35V	D3201	6-500-885-01	DIODE P6SMBJ33A-5			
C3513	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	D3202	6-500-885-01	DIODE P6SMBJ33A-5			
						D3251	6-500-885-01	DIODE P6SMBJ33A-5			
C3514	1-137-198-81	FILM	1uF	5%	50V	D3252	6-500-885-01	DIODE P6SMBJ33A-5			
C3515	1-137-198-81	FILM	1uF	5%	50V	D3301	6-500-885-01	DIODE P6SMBJ33A-5			
C3516	1-112-831-11	ELECT	2200uF	20%	35V						
C3517	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V	D3302	6-500-885-01	DIODE P6SMBJ33A-5			
C3551	1-126-960-11	ELECT	1uF	20%	50V	D3401	6-500-885-01	DIODE P6SMBJ33A-5			
						D3402	6-500-885-01	DIODE P6SMBJ33A-5			
C3552	1-126-964-11	ELECT	10uF	20%	50V	D3501	6-500-885-01	DIODE P6SMBJ33A-5			
C3553	1-164-505-11	CERAMIC CHIP	2.2uF		16V	D3502	6-500-885-01	DIODE P6SMBJ33A-5			
C3556	1-164-505-11	CERAMIC CHIP	2.2uF		16V						
C3901	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	D3551	6-501-579-01	DIODE MC2837			
C3902	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						

HCD-DZ7T

Ver. 1.1

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D9712	6-501-193-01	DIODE 1SS355WTE-17		IC1701	6-708-682-01	IC CXD9873Q	
		< FERRITE BEAD >		IC1702	6-702-300-01	IC TK11118CSCL-G	
FB504	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC1703	6-702-302-01	IC TK11133CSCL-G	
FB505	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC1705	8-759-592-47	IC TC7S208FU (TE85R)	
FB506	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC1707	6-705-337-01	IC TK11150CSCL-G	
FB507	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3010	6-707-939-01	IC CXD9843AR	
FB508	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3020	6-707-939-01	IC CXD9843AR	
				IC3030	6-707-939-01	IC CXD9843AR	
FB509	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3050	6-705-311-01	IC S-T111B18MC-OGDTFG	
FB510	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3051	6-706-492-01	IC TC7SHU04FU (T5RSOJF)	
FB1106	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3100	6-708-921-01	IC CXD9883M	
FB1107	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3150	6-708-921-01	IC CXD9883M	
FB1108	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3200	6-708-921-01	IC CXD9883M	
				IC3250	6-708-921-01	IC CXD9883M	
FB1111	1-469-670-21	FERRITE, EMI (SMD) (2012)		IC3300	6-708-921-01	IC CXD9883M	
FB1112	1-469-670-21	FERRITE, EMI (SMD) (2012)		IC3400	6-708-921-01	IC CXD9883M	
FB1115	1-469-670-21	FERRITE, EMI (SMD) (2012)		IC3500	6-708-921-01	IC CXD9883M	
FB1123	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3901	8-759-680-48	IC TC7WH157FK (TE85R)	
FB1601	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3902	8-759-680-48	IC TC7WH157FK (TE85R)	
				IC3903	8-759-680-48	IC TC7WH157FK (TE85R)	
FB1602	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3904	8-759-680-48	IC TC7WH157FK (TE85R)	
FB1603	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3905	8-759-694-16	IC TC7WH241FK (TE85R)	
FB1701	1-469-324-21	FERRITE, EMI (SMD) (2012)				< COIL >	
FB1702	1-469-324-21	FERRITE, EMI (SMD) (2012)		L701	1-414-754-11	INDUCTOR 10uH	
FB1703	1-469-324-21	FERRITE, EMI (SMD) (2012)		L702	1-414-754-11	INDUCTOR 10uH	
				L703	1-414-754-11	INDUCTOR 10uH	
FB2101	1-469-324-21	FERRITE, EMI (SMD) (2012)		L3000	1-469-527-91	INDUCTOR 47uH	
FB2103	1-469-324-21	FERRITE, EMI (SMD) (2012)		L3051	1-414-754-11	INDUCTOR 10uH	
FB2120	1-469-118-21	FERRITE, EMI (SMD) (1608)		L3052	1-414-754-11	INDUCTOR 10uH	
FB2121	1-469-118-21	FERRITE, EMI (SMD) (1608)		L3053	1-414-754-11	INDUCTOR 10uH	
FB2122	1-469-118-21	FERRITE, EMI (SMD) (1608)		L3054	1-412-939-11	INDUCTOR 1uH	
FB2123	1-469-118-21	FERRITE, EMI (SMD) (1608)		L3111	1-456-680-11	INDUCTOR 10uH	
FB2124	1-469-118-21	FERRITE, EMI (SMD) (1608)		L3112	1-456-680-11	INDUCTOR 10uH	
FB2125	1-469-118-21	FERRITE, EMI (SMD) (1608)		L3151	1-456-680-11	INDUCTOR 10uH	
FB3051	1-216-295-91	SHORT CHIP 0		L3152	1-456-680-11	INDUCTOR 10uH	
FB4512	1-400-244-11	BEAD, FERRITE (CHIP) (1608)		L3201	1-456-680-11	INDUCTOR 10uH	
		< FILTER >		L3202	1-456-680-11	INDUCTOR 10uH	
FL1111	1-234-494-21	FILTER, EMI REMOVAL (SMD)		L3251	1-456-680-11	INDUCTOR 10uH	
		< IC >		L3252	1-456-680-11	INDUCTOR 10uH	
IC451	8-759-710-97	IC NJM4565M-D		L3301	1-456-680-11	INDUCTOR 10uH	
IC452	8-759-700-07	IC NJM2903M		L3302	1-456-680-11	INDUCTOR 10uH	
IC453	8-759-700-07	IC NJM2903M		L3401	1-456-680-11	INDUCTOR 10uH	
IC454	8-759-100-96	IC uPC4558G2		L3402	1-456-680-11	INDUCTOR 10uH	
IC501	6-807-125-01	IC M30626MHP-A69FPU0		L3501	1-456-680-11	INDUCTOR 10uH	
IC502	6-705-312-01	IC S-T111B33MC-OGSTFG		L3502	1-456-680-11	INDUCTOR 10uH	
IC503	6-708-922-01	IC PST3635NR		L3901	1-457-077-11	AIR-CORE COIL	
IC504	6-709-034-01	IC NJM2887DL3 (TE2)		L3902	1-457-078-11	AIR-CORE COIL	
IC702	6-805-692-01	IC LC890561W		L3903	1-457-077-11	AIR-CORE COIL	
IC772	6-710-554-01	IC PCM1808PWR		L3904	1-457-078-11	AIR-CORE COIL	
IC1101	6-710-093-01	IC CXD9889R				< TRANSISTOR >	
IC1102	6-807-666-01	IC S29AL032D70TF-OHE1-0705UC (E32, MX)		Q503	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
IC1102	6-807-668-01	IC S29AL032D70TF-OHE1-0705GA (SP, TH)		Q504	6-550-718-01	TRANSISTOR RSR025N03TL	
IC1103	6-704-006-01	IC BR24L64F-WE2		Q1101	6-550-008-01	TRANSISTOR UM6K1N-TN	
IC1104	6-709-737-01	IC M12L64164A-7T (G)		Q1102	6-550-653-01	TRANSISTOR QST8TR	
IC1105	6-702-302-01	IC TK11133CSCL-G		Q1103	8-729-027-52	TRANSISTOR DTC124EKA-T146	
IC1107	6-702-302-01	IC TK11133CSCL-G					
IC1110	6-707-739-01	IC MM1661JTRE					
IC1111	6-704-100-01	IC TC7PAU04FU (TE85R)					
IC1201	6-704-524-01	IC FAN8036L					

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
Q1701	6-550-008-01	TRANSISTOR	UM6K1N-TN			R484	1-216-864-11	SHORT CHIP	0		
Q3000	8-729-142-48	TRANSISTOR	2SD1616-TP-LK			R487	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3001	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			R488	1-216-845-11	METAL CHIP	100K	5%	1/10W
Q3002	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			△R489	1-260-320-11	CARBON	220	5%	1/2W F
Q3101	8-729-600-22	TRANSISTOR	2SA1235-F			R490	1-216-842-11	METAL CHIP	56K	5%	1/10W
Q3102	8-729-600-22	TRANSISTOR	2SA1235-F			R491	1-216-817-11	METAL CHIP	470	5%	1/10W
Q3151	8-729-600-22	TRANSISTOR	2SA1235-F			R492	1-216-839-11	METAL CHIP	33K	5%	1/10W
Q3152	8-729-600-22	TRANSISTOR	2SA1235-F			R493	1-216-845-11	METAL CHIP	100K	5%	1/10W
Q3201	8-729-600-22	TRANSISTOR	2SA1235-F			R501	1-216-857-11	METAL CHIP	1M	5%	1/10W
Q3202	8-729-600-22	TRANSISTOR	2SA1235-F			R504	1-216-821-11	METAL CHIP	1K	5%	1/10W (SP, TH)
Q3251	8-729-600-22	TRANSISTOR	2SA1235-F			R504	1-216-841-11	METAL CHIP	47K	5%	1/10W (E32, MX)
Q3252	8-729-600-22	TRANSISTOR	2SA1235-F			R505	1-216-833-11	METAL CHIP	10K	5%	1/10W (E32, MX)
Q3301	8-729-600-22	TRANSISTOR	2SA1235-F			R506	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (E32)
Q3302	8-729-600-22	TRANSISTOR	2SA1235-F			R507	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (EXCEPT E32)
Q3401	8-729-600-22	TRANSISTOR	2SA1235-F			R507	1-216-841-11	METAL CHIP	47K	5%	1/10W (E32)
Q3402	8-729-600-22	TRANSISTOR	2SA1235-F			R508	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q3451	8-729-600-22	TRANSISTOR	2SA1235-F			R509	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3452	8-729-600-22	TRANSISTOR	2SA1235-F			R510	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q3551	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			R511	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q3552	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			R512	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q3553	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			R513	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q9724	8-729-026-53	TRANSISTOR	2SA1576A-T106-QR			R514	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q9726	8-729-905-35	TRANSISTOR	2SC4081-R			R515	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q9728	8-729-905-35	TRANSISTOR	2SC4081-R			R516	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q9729	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R517	1-216-809-11	METAL CHIP	100	5%	1/10W
< RESISTOR >						R518	1-216-809-11	METAL CHIP	100	5%	1/10W
R146	1-216-805-11	METAL CHIP	47	5%	1/10W	R519	1-216-833-11	METAL CHIP	10K	5%	1/10W
R451	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R522	1-216-833-11	METAL CHIP	10K	5%	1/10W
R452	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R524	1-216-833-11	METAL CHIP	10K	5%	1/10W
R453	1-216-845-11	METAL CHIP	100K	5%	1/10W	R526	1-216-821-11	METAL CHIP	1K	5%	1/10W
R454	1-216-845-11	METAL CHIP	100K	5%	1/10W	R527	1-216-833-11	METAL CHIP	10K	5%	1/10W
R455	1-216-821-11	METAL CHIP	1K	5%	1/10W	R528	1-216-833-11	METAL CHIP	10K	5%	1/10W
R456	1-216-853-11	METAL CHIP	470K	5%	1/10W	R529	1-216-821-11	METAL CHIP	1K	5%	1/10W
R457	1-216-821-11	METAL CHIP	1K	5%	1/10W	R530	1-216-809-11	METAL CHIP	100	5%	1/10W
R458	1-216-864-11	SHORT CHIP	0			R531	1-216-833-11	METAL CHIP	10K	5%	1/10W
R459	1-216-841-11	METAL CHIP	47K	5%	1/10W	R532	1-216-821-11	METAL CHIP	1K	5%	1/10W
R460	1-216-851-11	METAL CHIP	330K	5%	1/10W	R533	1-216-809-11	METAL CHIP	100	5%	1/10W
R461	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R462	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R535	1-216-809-11	METAL CHIP	100	5%	1/10W
R463	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R536	1-216-864-11	SHORT CHIP	0		
R464	1-216-841-11	METAL CHIP	47K	5%	1/10W	R539	1-216-833-11	METAL CHIP	10K	5%	1/10W
R465	1-216-837-11	METAL CHIP	22K	5%	1/10W	R540	1-216-833-11	METAL CHIP	10K	5%	1/10W
R466	1-216-842-11	METAL CHIP	56K	5%	1/10W	R542	1-216-833-11	METAL CHIP	10K	5%	1/10W
R467	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R543	1-216-809-11	METAL CHIP	100	5%	1/10W
R469	1-216-833-11	METAL CHIP	10K	5%	1/10W	R544	1-216-809-11	METAL CHIP	100	5%	1/10W
R470	1-216-833-11	METAL CHIP	10K	5%	1/10W	R546	1-216-833-11	METAL CHIP	10K	5%	1/10W
R471	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R547	1-216-864-11	SHORT CHIP	0		
R473	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R548	1-216-864-11	SHORT CHIP	0		
R474	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R550	1-216-821-11	METAL CHIP	1K	5%	1/10W
R476	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R552	1-216-821-11	METAL CHIP	1K	5%	1/10W
R477	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R554	1-216-833-11	METAL CHIP	10K	5%	1/10W
R479	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R555	1-216-833-11	METAL CHIP	10K	5%	1/10W
R480	1-216-864-11	SHORT CHIP	0			R556	1-216-841-11	METAL CHIP	47K	5%	1/10W
R481	1-216-864-11	SHORT CHIP	0								
R482	1-216-864-11	SHORT CHIP	0								
R483	1-216-864-11	SHORT CHIP	0								

HCD-DZ7T

MAIN

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R557	1-216-841-11	METAL CHIP	47K	5%	1/10W	R645	1-216-809-11	METAL CHIP	100	5%	1/10W
R558	1-216-833-11	METAL CHIP	10K	5%	1/10W	R713	1-216-864-11	SHORT CHIP	0		
R559	1-216-833-11	METAL CHIP	10K	5%	1/10W	R716	1-216-813-11	METAL CHIP	220	5%	1/10W
R560	1-216-833-11	METAL CHIP	10K	5%	1/10W	R717	1-216-809-11	METAL CHIP	100	5%	1/10W
R561	1-216-845-11	METAL CHIP	100K	5%	1/10W	R718	1-216-809-11	METAL CHIP	100	5%	1/10W
R562	1-216-841-11	METAL CHIP	47K	5%	1/10W	R719	1-216-809-11	METAL CHIP	100	5%	1/10W
R563	1-216-833-11	METAL CHIP	10K	5%	1/10W	R721	1-216-864-11	SHORT CHIP	0		
R564	1-216-864-11	SHORT CHIP	0			R722	1-216-809-11	METAL CHIP	100	5%	1/10W
R565	1-216-864-11	SHORT CHIP	0			R723	1-216-809-11	METAL CHIP	100	5%	1/10W
R566	1-216-864-11	SHORT CHIP	0			R724	1-216-809-11	METAL CHIP	100	5%	1/10W
R567	1-216-864-11	SHORT CHIP	0			R725	1-216-805-11	METAL CHIP	47	5%	1/10W
R568	1-216-864-11	SHORT CHIP	0			R726	1-216-809-11	METAL CHIP	100	5%	1/10W
R569	1-216-864-11	SHORT CHIP	0			R727	1-216-805-11	METAL CHIP	47	5%	1/10W
R572	1-218-751-11	METAL CHIP	300K	0.5%	1/10W	R728	1-216-864-11	SHORT CHIP	0		
R573	1-216-845-11	METAL CHIP	100K	5%	1/10W	R729	1-216-805-11	METAL CHIP	47	5%	1/10W
R575	1-216-821-11	METAL CHIP	1K	5%	1/10W	R730	1-216-809-11	METAL CHIP	100	5%	1/10W
R576	1-216-821-11	METAL CHIP	1K	5%	1/10W	R731	1-216-821-11	METAL CHIP	1K	5%	1/10W
R577	1-216-841-11	METAL CHIP	47K	5%	1/10W	R732	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R578	1-216-809-11	METAL CHIP	100	5%	1/10W	R733	1-216-857-11	METAL CHIP	1M	5%	1/10W
R579	1-216-821-11	METAL CHIP	1K	5%	1/10W	R734	1-216-809-11	METAL CHIP	100	5%	1/10W
R580	1-216-809-11	METAL CHIP	100	5%	1/10W	R735	1-216-809-11	METAL CHIP	100	5%	1/10W
R581	1-216-809-11	METAL CHIP	100	5%	1/10W	R736	1-216-809-11	METAL CHIP	100	5%	1/10W
R582	1-216-864-11	SHORT CHIP	0			R738	1-216-809-11	METAL CHIP	100	5%	1/10W
R583	1-216-841-11	METAL CHIP	47K	5%	1/10W	R739	1-216-809-11	METAL CHIP	100	5%	1/10W
R586	1-216-833-11	METAL CHIP	10K	5%	1/10W	R740	1-216-809-11	METAL CHIP	100	5%	1/10W
R587	1-216-833-11	METAL CHIP	10K	5%	1/10W	R741	1-216-809-11	METAL CHIP	100	5%	1/10W
R589	1-216-295-91	SHORT CHIP	0			R770	1-216-809-11	METAL CHIP	100	5%	1/10W
R590	1-216-295-91	SHORT CHIP	0			R771	1-216-809-11	METAL CHIP	100	5%	1/10W
R591	1-216-864-11	SHORT CHIP	0			R775	1-216-801-11	METAL CHIP	22	5%	1/10W
R593	1-216-833-11	METAL CHIP	10K	5%	1/10W	R776	1-216-801-11	METAL CHIP	22	5%	1/10W
R595	1-216-833-11	METAL CHIP	10K	5%	1/10W	R777	1-216-801-11	METAL CHIP	22	5%	1/10W
R596	1-216-295-91	SHORT CHIP	0			R778	1-216-864-11	SHORT CHIP	0		
R597	1-216-295-91	SHORT CHIP	0			R780	1-216-805-11	METAL CHIP	47	5%	1/10W
R598	1-216-296-11	SHORT CHIP	0			R781	1-216-805-11	METAL CHIP	47	5%	1/10W
R599	1-216-295-91	SHORT CHIP	0			R786	1-216-295-91	SHORT CHIP	0		
R601	1-216-864-11	SHORT CHIP	0			R790	1-216-864-11	SHORT CHIP	0		
R602	1-216-809-11	METAL CHIP	100	5%	1/10W	R792	1-216-864-11	SHORT CHIP	0		
R603	1-216-809-11	METAL CHIP	100	5%	1/10W	R1101	1-216-809-11	METAL CHIP	100	5%	1/10W
R604	1-216-809-11	METAL CHIP	100	5%	1/10W	R1102	1-216-295-91	SHORT CHIP	0		
R605	1-216-809-11	METAL CHIP	100	5%	1/10W	R1103	1-216-864-11	SHORT CHIP	0		
R606	1-216-809-11	METAL CHIP	100	5%	1/10W	R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W
R607	1-216-809-11	METAL CHIP	100	5%	1/10W	R1106	1-216-833-11	METAL CHIP	10K	5%	1/10W
R608	1-216-809-11	METAL CHIP	100	5%	1/10W	R1107	1-216-833-11	METAL CHIP	10K	5%	1/10W
R609	1-216-809-11	METAL CHIP	100	5%	1/10W	R1108	1-216-857-11	METAL CHIP	1M	5%	1/10W
R610	1-216-809-11	METAL CHIP	100	5%	1/10W	R1109	1-216-864-11	SHORT CHIP	0		
R611	1-216-809-11	METAL CHIP	100	5%	1/10W	R1110	1-216-841-11	METAL CHIP	47K	5%	1/10W
R613	1-216-809-11	METAL CHIP	100	5%	1/10W	R1111	1-216-809-11	METAL CHIP	100	5%	1/10W
R614	1-216-809-11	METAL CHIP	100	5%	1/10W	R1112	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R615	1-216-809-11	METAL CHIP	100	5%	1/10W	R1113	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R626	1-216-864-11	SHORT CHIP	0			R1114	1-216-845-11	METAL CHIP	100K	5%	1/10W
R636	1-216-864-11	SHORT CHIP	0			R1115	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R637	1-216-809-11	METAL CHIP	100	5%	1/10W	R1116	1-216-821-11	METAL CHIP	1K	5%	1/10W
R638	1-216-809-11	METAL CHIP	100	5%	1/10W	R1117	1-216-841-11	METAL CHIP	47K	5%	1/10W
R640	1-216-809-11	METAL CHIP	100	5%	1/10W	R1118	1-216-801-11	METAL CHIP	22	5%	1/10W
R641	1-216-809-11	METAL CHIP	100	5%	1/10W	R1120	1-216-801-11	METAL CHIP	22	5%	1/10W
R642	1-216-809-11	METAL CHIP	100	5%	1/10W	R1121	1-216-801-11	METAL CHIP	22	5%	1/10W
R644	1-216-809-11	METAL CHIP	100	5%	1/10W	R1123	1-216-864-11	SHORT CHIP	0		
						R1124	1-216-841-11	METAL CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R1126	1-216-833-11	METAL CHIP	10K	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
						R1237	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1133	1-216-864-11	SHORT CHIP	0			R1238	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1135	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1239	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1136	1-216-835-11	METAL CHIP	15K	5%	1/10W						
R1137	1-216-864-11	SHORT CHIP	0			R1243	1-216-809-11	METAL CHIP	100	5%	1/10W
R1138	1-216-809-11	METAL CHIP	100	5%	1/10W	R1246	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R1247	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1139	1-216-864-11	SHORT CHIP	0			R1601	1-216-295-91	SHORT CHIP	0		
R1140	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1602	1-216-295-91	SHORT CHIP	0		
R1141	1-216-855-11	METAL CHIP	680K	5%	1/10W						
R1142	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1603	1-216-295-91	SHORT CHIP	0		
R1145	1-216-864-11	SHORT CHIP	0			R1604	1-216-295-91	SHORT CHIP	0		
						R1605	1-216-296-11	SHORT CHIP	0		
R1147	1-216-864-11	SHORT CHIP	0			R1606	1-216-295-91	SHORT CHIP	0		
R1148	1-216-864-11	SHORT CHIP	0			R1701	1-216-809-11	METAL CHIP	100	5%	1/10W
R1151	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1152	1-216-864-11	SHORT CHIP	0			R1702	1-216-864-11	SHORT CHIP	0		
R1153	1-216-864-11	SHORT CHIP	0			R1703	1-216-864-11	SHORT CHIP	0		
						R1704	1-216-809-11	METAL CHIP	100	5%	1/10W
R1154	1-216-864-11	SHORT CHIP	0			R1705	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1155	1-216-864-11	SHORT CHIP	0			R1706	1-216-864-11	SHORT CHIP	0		
R1156	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1159	1-216-805-11	METAL CHIP	47	5%	1/10W	R1707	1-216-864-11	SHORT CHIP	0		
R1160	1-216-805-11	METAL CHIP	47	5%	1/10W	R1712	1-216-809-11	METAL CHIP	100	5%	1/10W
						R1713	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R1161	1-216-805-11	METAL CHIP	47	5%	1/10W	R1714	1-216-864-11	SHORT CHIP	0		
R1169	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1721	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1171	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1175	1-216-864-11	SHORT CHIP	0			R1722	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1183	1-216-805-11	METAL CHIP	47	5%	1/10W	R1723	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R1726	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1184	1-216-805-11	METAL CHIP	47	5%	1/10W	R1727	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1185	1-216-805-11	METAL CHIP	47	5%	1/10W	R1728	1-216-864-11	SHORT CHIP	0		
R1191	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1193	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1730	1-218-840-11	METAL CHIP	510	0.5%	1/10W
R1204	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R1731	1-216-864-11	SHORT CHIP	0		
						R1734	1-216-864-11	SHORT CHIP	0		
R1205	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1736	1-216-864-11	SHORT CHIP	0		
R1206	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1738	1-216-864-11	SHORT CHIP	0		
R1207	1-216-826-11	METAL CHIP	2.7K	5%	1/10W						
R1208	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1740	1-216-864-11	SHORT CHIP	0		
R1209	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1742	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R1744	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1210	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1746	1-216-864-11	SHORT CHIP	0		
R1212	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1747	1-216-864-11	SHORT CHIP	0		
R1213	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W						
R1214	1-216-835-11	METAL CHIP	15K	5%	1/10W	R1748	1-216-864-11	SHORT CHIP	0		
R1215	1-216-834-11	METAL CHIP	12K	5%	1/10W	R1749	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
						R1750	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R1216	1-216-834-11	METAL CHIP	12K	5%	1/10W	R1751	1-216-864-11	SHORT CHIP	0		
R1219	1-216-838-11	METAL CHIP	27K	5%	1/10W	R1752	1-216-864-11	SHORT CHIP	0		
R1220	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1221	1-218-889-11	METAL CHIP	56K	0.5%	1/10W	R1753	1-216-864-11	SHORT CHIP	0		
R1222	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1756	1-216-864-11	SHORT CHIP	0		
						R1757	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1223	1-218-895-11	METAL CHIP	100K	0.5%	1/10W	R1758	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1224	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1759	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1225	1-218-895-11	METAL CHIP	100K	0.5%	1/10W						
R1226	1-218-889-11	METAL CHIP	56K	0.5%	1/10W	R1783	1-216-864-11	SHORT CHIP	0		
R1227	1-216-864-11	SHORT CHIP	0			R1784	1-216-864-11	SHORT CHIP	0		
						R1785	1-216-864-11	SHORT CHIP	0		
R1228	1-216-864-11	SHORT CHIP	0			R1786	1-216-864-11	SHORT CHIP	0		
R1230	1-218-893-11	METAL CHIP	82K	0.5%	1/10W	R1788	1-216-864-11	SHORT CHIP	0		
R1231	1-218-875-11	METAL CHIP	15K	0.5%	1/10W						
R1232	1-218-877-11	METAL CHIP	18K	0.5%	1/10W	R1791	1-216-864-11	SHORT CHIP	0		
R1233	1-218-883-11	METAL CHIP	33K	0.5%	1/10W	R1793	1-216-864-11	SHORT CHIP	0		
						R2101	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R2103	1-216-864-11	SHORT CHIP	0			R3014	1-216-805-11	METAL CHIP	47	5%	1/10W
R2104	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R3015	1-216-805-11	METAL CHIP	47	5%	1/10W
R2108	1-216-864-11	SHORT CHIP	0			R3017	1-216-805-11	METAL CHIP	47	5%	1/10W
R2110	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R3021	1-216-817-11	METAL CHIP	470	5%	1/10W
R2111	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3022	1-216-817-11	METAL CHIP	470	5%	1/10W
R2112	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3023	1-216-805-11	METAL CHIP	47	5%	1/10W
R2114	1-216-801-11	METAL CHIP	22	5%	1/10W	R3024	1-216-805-11	METAL CHIP	47	5%	1/10W
R2115	1-216-864-11	SHORT CHIP	0			R3026	1-216-805-11	METAL CHIP	47	5%	1/10W
R2119	1-216-864-11	SHORT CHIP	0			R3031	1-216-817-11	METAL CHIP	470	5%	1/10W
R2126	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R3032	1-216-817-11	METAL CHIP	470	5%	1/10W
R2127	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R3033	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2128	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3034	1-216-805-11	METAL CHIP	47	5%	1/10W
R2129	1-216-845-11	METAL CHIP	100K	5%	1/10W	R3035	1-216-805-11	METAL CHIP	47	5%	1/10W
R2133	1-216-864-11	SHORT CHIP	0			R3037	1-216-805-11	METAL CHIP	47	5%	1/10W
R2134	1-216-864-11	SHORT CHIP	0			R3040	1-216-864-11	SHORT CHIP	0		
R2135	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R3041	1-216-864-11	SHORT CHIP	0		
R2150	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R3042	1-216-864-11	SHORT CHIP	0		
R2151	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R3043	1-216-864-11	SHORT CHIP	0		
R2152	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R3044	1-216-864-11	SHORT CHIP	0		
R2161	1-216-809-11	METAL CHIP	100	5%	1/10W	R3045	1-216-864-11	SHORT CHIP	0		
R2167	1-216-864-11	SHORT CHIP	0			R3046	1-216-864-11	SHORT CHIP	0		
R2168	1-216-813-11	METAL CHIP	220	5%	1/10W	R3051	1-216-097-11	RES-CHIP	100K	5%	1/10W
R2169	1-216-809-11	METAL CHIP	100	5%	1/10W	R3052	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2176	1-216-864-11	SHORT CHIP	0			R3053	1-216-809-11	METAL CHIP	100	5%	1/10W
R2177	1-216-809-11	METAL CHIP	100	5%	1/10W	R3054	1-216-801-11	METAL CHIP	22	5%	1/10W
R2178	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3055	1-216-809-11	METAL CHIP	100	5%	1/10W
R2179	1-216-809-11	METAL CHIP	100	5%	1/10W	R3057	1-216-809-11	METAL CHIP	100	5%	1/10W
R2182	1-216-864-11	SHORT CHIP	0			R3059	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2183	1-216-809-11	METAL CHIP	100	5%	1/10W	R3060	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2184	1-216-809-11	METAL CHIP	100	5%	1/10W	R3061	1-216-864-11	SHORT CHIP	0		
R2185	1-216-809-11	METAL CHIP	100	5%	1/10W	R3063	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2186	1-216-864-11	SHORT CHIP	0			R3064	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2187	1-216-805-11	METAL CHIP	47	5%	1/10W	R3065	1-216-809-11	METAL CHIP	100	5%	1/10W
R2188	1-216-864-11	SHORT CHIP	0			R3066	1-216-809-11	METAL CHIP	100	5%	1/10W
R2191	1-216-809-11	METAL CHIP	100	5%	1/10W	R3067	1-216-809-11	METAL CHIP	100	5%	1/10W
R2505	1-216-864-11	SHORT CHIP	0			R3068	1-216-809-11	METAL CHIP	100	5%	1/10W
R2506	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3069	1-216-809-11	METAL CHIP	100	5%	1/10W
R2507	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3070	1-216-809-11	METAL CHIP	100	5%	1/10W
R2705	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3071	1-216-809-11	METAL CHIP	100	5%	1/10W
R2706	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3072	1-216-809-11	METAL CHIP	100	5%	1/10W
R2711	1-208-635-11	METAL CHIP	10	0.5%	1/16W	R3073	1-216-809-11	METAL CHIP	100	5%	1/10W
R2712	1-208-635-11	METAL CHIP	10	0.5%	1/16W	R3074	1-216-805-11	METAL CHIP	47	5%	1/10W
R2713	1-208-635-11	METAL CHIP	10	0.5%	1/16W	R3075	1-216-805-11	METAL CHIP	47	5%	1/10W
R2714	1-208-635-11	METAL CHIP	10	0.5%	1/16W	R3076	1-216-805-11	METAL CHIP	47	5%	1/10W
R2715	1-208-635-11	METAL CHIP	10	0.5%	1/16W	R3081	1-216-864-11	SHORT CHIP	0		
R2716	1-208-635-11	METAL CHIP	10	0.5%	1/16W	R3101	1-216-809-11	METAL CHIP	100	5%	1/10W
R2717	1-208-635-11	METAL CHIP	10	0.5%	1/16W	R3102	1-216-809-11	METAL CHIP	100	5%	1/10W
R2718	1-208-635-11	METAL CHIP	10	0.5%	1/16W	R3103	1-216-864-11	SHORT CHIP	0		
R2751	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3104	1-216-864-11	SHORT CHIP	0		
R3001	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3107	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3002	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3115	1-216-864-11	SHORT CHIP	0		
R3003	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R3116	1-216-864-11	SHORT CHIP	0		
R3004	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R3125	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3006	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3126	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3011	1-216-817-11	METAL CHIP	470	5%	1/10W	R3127	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3012	1-216-817-11	METAL CHIP	470	5%	1/10W	R3151	1-216-809-11	METAL CHIP	100	5%	1/10W
R3013	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3152	1-216-809-11	METAL CHIP	100	5%	1/10W
						R3153	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R3154	1-216-864-11	SHORT CHIP	0				R3554	1-216-845-11	METAL CHIP	100K	5%		1/10W
R3157	1-216-835-11	METAL CHIP	15K	5%		1/10W	R3555	1-216-864-11	SHORT CHIP	0			
							R3556	1-216-829-11	METAL CHIP	4.7K	5%		1/10W
R3165	1-216-864-11	SHORT CHIP	0				R3557	1-216-845-11	METAL CHIP	100K	5%		1/10W
R3166	1-216-864-11	SHORT CHIP	0				R3558	1-216-833-11	METAL CHIP	10K	5%		1/10W
R3175	1-216-845-11	METAL CHIP	100K	5%		1/10W							
R3176	1-216-845-11	METAL CHIP	100K	5%		1/10W	R3575	1-216-845-11	METAL CHIP	100K	5%		1/10W
R3177	1-216-845-11	METAL CHIP	100K	5%		1/10W	R3576	1-216-845-11	METAL CHIP	100K	5%		1/10W
							R3577	1-216-845-11	METAL CHIP	100K	5%		1/10W
R3201	1-216-809-11	METAL CHIP	100	5%		1/10W	R3903	1-216-296-11	SHORT CHIP	0			
R3202	1-216-809-11	METAL CHIP	100	5%		1/10W	R3904	1-216-296-11	SHORT CHIP	0			
R3203	1-216-864-11	SHORT CHIP	0										
R3204	1-216-864-11	SHORT CHIP	0				R3908	1-216-864-11	SHORT CHIP	0			
R3207	1-216-835-11	METAL CHIP	15K	5%		1/10W	R3915	1-216-817-11	METAL CHIP	470	5%		1/10W
							R3916	1-216-817-11	METAL CHIP	470	5%		1/10W
R3215	1-216-864-11	SHORT CHIP	0				R3918	1-216-809-11	METAL CHIP	100	5%		1/10W
R3216	1-216-864-11	SHORT CHIP	0				R3919	1-216-809-11	METAL CHIP	100	5%		1/10W
R3225	1-216-845-11	METAL CHIP	100K	5%		1/10W							
R3226	1-216-845-11	METAL CHIP	100K	5%		1/10W	R3920	1-216-809-11	METAL CHIP	100	5%		1/10W
R3227	1-216-845-11	METAL CHIP	100K	5%		1/10W	R3921	1-216-809-11	METAL CHIP	100	5%		1/10W
							R3922	1-216-833-11	METAL CHIP	10K	5%		1/10W
R3251	1-216-809-11	METAL CHIP	100	5%		1/10W	R4002	1-216-864-11	SHORT CHIP	0			
R3252	1-216-809-11	METAL CHIP	100	5%		1/10W	R4501	1-216-801-11	METAL CHIP	22	5%		1/10W
R3253	1-216-864-11	SHORT CHIP	0										
R3254	1-216-864-11	SHORT CHIP	0				R4502	1-216-801-11	METAL CHIP	22	5%		1/10W
R3257	1-216-835-11	METAL CHIP	15K	5%		1/10W	R4503	1-216-864-11	SHORT CHIP	0			
							R4504	1-216-864-11	SHORT CHIP	0			
R3265	1-216-864-11	SHORT CHIP	0				R4505	1-216-864-11	SHORT CHIP	0			
R3266	1-216-864-11	SHORT CHIP	0				R4506	1-216-864-11	SHORT CHIP	0			
R3275	1-216-845-11	METAL CHIP	100K	5%		1/10W							
R3276	1-216-845-11	METAL CHIP	100K	5%		1/10W	R4507	1-216-864-11	SHORT CHIP	0			
R3277	1-216-845-11	METAL CHIP	100K	5%		1/10W	R4508	1-216-864-11	SHORT CHIP	0			
							R4510	1-216-805-11	METAL CHIP	47	5%		1/10W
R3301	1-216-809-11	METAL CHIP	100	5%		1/10W	R4511	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										
R3304	1-216-864-11	SHORT CHIP	0				R4515	1-216-805-11	METAL CHIP	47	5%		1/10W
R3307	1-216-835-11	METAL CHIP	15K	5%		1/10W	R4516	1-216-805-11	METAL CHIP	47	5%		1/10W
							R4521	1-216-864-11	SHORT CHIP	0			
R3315	1-216-864-11	SHORT CHIP	0				R4701	1-216-864-11	SHORT CHIP	0			
R3316	1-216-864-11	SHORT CHIP	0				R4702	1-216-864-11	SHORT CHIP	0			
R3325	1-216-845-11	METAL CHIP	100K	5%		1/10W							
R3326	1-216-845-11	METAL CHIP	100K	5%		1/10W	R4703	1-216-864-11	SHORT CHIP	0			
R3327	1-216-845-11	METAL CHIP	100K	5%		1/10W	R4704	1-216-864-11	SHORT CHIP	0			
							R4705	1-216-864-11	SHORT CHIP	0			
R3401	1-216-809-11	METAL CHIP	100	5%		1/10W	R4706	1-216-864-11	SHORT CHIP	0			
R3402	1-216-809-11	METAL CHIP	100	5%		1/10W	R4717	1-216-864-11	SHORT CHIP	0			
R3403	1-216-864-11	SHORT CHIP	0										
R3404	1-216-864-11	SHORT CHIP	0				R4718	1-216-864-11	SHORT CHIP	0			
R3407	1-216-835-11	METAL CHIP	15K	5%		1/10W	R4805	1-216-801-11	METAL CHIP	22	5%		1/10W
							R9918	1-216-821-11	METAL CHIP	1K	5%		1/10W
R3415	1-216-864-11	SHORT CHIP	0				R9920	1-216-864-11	SHORT CHIP	0			
R3416	1-216-864-11	SHORT CHIP	0				R9922	1-216-833-11	METAL CHIP	10K	5%		1/10W
R3425	1-216-845-11	METAL CHIP	100K	5%		1/10W							
R3426	1-216-845-11	METAL CHIP	100K	5%		1/10W	R9924	1-216-821-11	METAL CHIP	1K	5%		1/10W
R3427	1-216-845-11	METAL CHIP	100K	5%		1/10W	R9928	1-216-837-11	METAL CHIP	22K	5%		1/10W
							R9929	1-216-837-11	METAL CHIP	22K	5%		1/10W
R3501	1-216-809-11	METAL CHIP	100	5%		1/10W	R9934	1-216-833-11	METAL CHIP	10K	5%		1/10W
R3502	1-216-809-11	METAL CHIP	100	5%		1/10W	R9935	1-216-864-11	SHORT CHIP	0			
R3503	1-216-864-11	SHORT CHIP	0										
R3504	1-216-864-11	SHORT CHIP	0				R9941	1-216-838-11	METAL CHIP	27K	5%		1/10W
R3507	1-216-835-11	METAL CHIP	15K	5%		1/10W	R9945	1-216-813-11	METAL CHIP	220	5%		1/10W
R3515	1-216-864-11	SHORT CHIP	0				< NETWORK RESISTER >						
R3516	1-216-864-11	SHORT CHIP	0				RB1103	1-234-371-21	RES, NETWORK	47 (1005X4)			
R3551	1-216-845-11	METAL CHIP	100K	5%		1/10W	RB1104	1-234-371-21	RES, NETWORK	47 (1005X4)			
R3552	1-216-837-11	METAL CHIP	22K	5%		1/10W	RB1105	1-234-371-21	RES, NETWORK	47 (1005X4)			
R3553	1-216-833-11	METAL CHIP	10K	5%		1/10W	RB1106	1-234-371-21	RES, NETWORK	47 (1005X4)			

HCD-DZ7T

Ver. 1.1

MAIN MS-203 POWER

Ref. No.	Part No.	Description	Remark		
RB1107	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB1108	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB1109	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB1110	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB1111	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB1112	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB1113	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB1114	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB1115	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB1116	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB1117	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB1701	1-234-378-21	RES, NETWORK 10K (1005X4)			
RB1702	1-234-378-21	RES, NETWORK 10K (1005X4)			
RB1711	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB1712	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
< TERMINAL >					
TB3901	1-780-458-11	TERMINAL BOARD (SPEAKER) 2P (SPEAKER WOOFER R/L)			
< VIBRATOR >					
X501	1-795-058-21	VIBRATOR, CERAMIC (5MHz)			
X701	1-795-843-11	VIBRATOR, CRYSTAL (12.288MHz)			
X1101	1-795-630-11	VIBRATOR, CRYSTAL (27MHz)			
X3051	1-795-660-21	QUARTZ CRYSTAL UNIT (49.152MHz)			

MS-203 BOARD					

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

A-1248-175-A		POWER BOARD, COMPLETE (MX)			
A-1248-177-A		POWER BOARD, COMPLETE (E32)			
A-1271-247-A		POWER BOARD, COMPLETE (SP, TH)			

< CAPACITOR >					
△ C901	1-165-529-11	MYLAR	0.22uF	10	275V
△ C902	1-165-529-11	MYLAR	0.22uF	10	275V
△ C903	1-112-331-11	ELECT (BLOCK)	1000uF	20%	250V
(MX)					
△ C903	1-112-529-11	ELECT (BLOCK)	390uF	20%	450V
(EXCEPT MX)					
△ C905	1-112-334-91	FILM	0.01uF	5%	400V
(MX)					
△ C905	1-112-335-91	FILM	0.0033uF	5%	400V
(EXCEPT MX)					
△ C906	1-117-815-11	FILM	1000PF	3%	1.5KV
(EXCEPT MX)					
△ C907	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
(EXCEPT MX)					
△ C907	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
(MX)					
△ C908	1-104-962-91	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description	Remark
△ C909	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
△ C910	1-107-906-11	ELECT 10uF 20% 50V	
(MX)			
△ C911	1-162-968-11	CERAMIC CHIP 0.0047uF 10% 50V	
△ C913	1-117-693-11	CERAMIC 100PF 10% 250V	
△ C918	1-113-925-11	CERAMIC 0.01uF 20% 250V	
△ C920	1-113-925-11	CERAMIC 0.01uF 20% 250V	
△ C922	1-128-560-11	ELECT 22uF 20% 100V	
△ C923	1-162-968-11	CERAMIC CHIP 0.0047uF 10% 50V	
△ C924	1-126-961-11	ELECT 2.2uF 20% 50V	
△ C925	1-107-974-81	CERAMIC 47PF 5% 2KV	
△ C928	1-117-695-51	CERAMIC 220PF 10% 250V	
(MX)			
△ C929	1-115-339-11	CERAMIC CHIP 0.1uF 10% 50V	
△ C930	1-117-693-11	CERAMIC 100PF 10% 250V	
C932	1-100-924-21	ELECT 2200uF 20% 35V	
C933	1-100-924-21	ELECT 2200uF 20% 35V	
C934	1-112-831-11	ELECT 2200uF 20% 35V	
C935	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C936	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C937	1-100-756-91	CERAMIC CHIP 0.047uF 50V	
△ C938	1-117-696-51	CERAMIC 330PF 10% 250V	
(MX)			
△ C938	1-117-697-51	CERAMIC 470PF 10% 250V	
(EXCEPT MX)			
C939	1-136-165-00	FILM 0.1uF 5% 50V	
C940	1-128-947-31	ELECT 3300uF 20% 10V	
C941	1-128-954-11	ELECT 1000uF 20% 25V	
C942	1-126-941-11	ELECT 470uF 20% 25V	
C943	1-126-933-11	ELECT 100uF 20% 16V	
C944	1-128-951-21	ELECT 2200uF 20% 16V	
C945	1-126-935-11	ELECT 470uF 20% 16V	
C946	1-128-950-21	ELECT 1000uF 20% 16V	
C947	1-104-658-91	ELECT 100uF 20% 10V	
C948	1-126-925-91	ELECT 470uF 20% 10V	
C949	1-104-658-91	ELECT 100uF 20% 10V	
C951	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C952	1-100-756-91	CERAMIC CHIP 0.047uF 50V	
C953	1-117-214-11	CERAMIC 0.001uF 10% 2KV	
C954	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C955	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C958	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C960	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
△ C963	1-117-697-51	CERAMIC 470PF 10% 250V	
(EXCEPT MX)			
△ C963	1-117-700-51	CERAMIC 0.0022uF 99% 250V	
(MX)			
△ C964	1-117-697-51	CERAMIC 470PF 10% 250V	
(EXCEPT MX)			
△ C964	1-117-700-51	CERAMIC 0.0022uF 99% 250V	
(MX)			
C967	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C968	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C969	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C970	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C971	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C976	1-126-933-11	ELECT 100uF 20% 16V	
△ C979	1-126-967-11	ELECT 47uF 20% 50V	
(SP, TH)			

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
△ C980	1-117-828-11	FILM 3300PF 3% 1.5KV	(MX)	IC951	6-707-743-01	IC TA76L431S (TPE6, Q)	
C982	1-126-968-11	ELECT 100uF 20% 50V	(E32)			< COIL >	
		< CONNECTOR >		L931	1-457-438-11	INDUCTOR 5.6uH	
△ CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P		L941	1-414-398-11	INDUCTOR 10uH	
* CN906	1-564-714-11	PIN, CONNECTOR (SMALL TYPE) 12P		L942	1-414-398-11	INDUCTOR 10uH	
		< DIODE >		L943	1-414-398-11	INDUCTOR 10uH	
△ D901	8-719-082-57	DIODE D5SBA60F01		L944	1-414-398-11	INDUCTOR 10uH	
△ D905	8-719-063-74	DIODE D1NL20U-TR2					
△ D906	6-501-193-01	DIODE 1SS355WTE-17		L945	1-414-398-11	INDUCTOR 10uH	
△ D907	6-501-193-01	DIODE 1SS355WTE-17		L947	1-414-398-11	INDUCTOR 10uH	
△ D908	6-501-193-01	DIODE 1SS355WTE-17		L948	1-414-398-11	INDUCTOR 10uH	
				L951	1-414-398-11	INDUCTOR 10uH	
△ D909	6-501-193-01	DIODE 1SS355WTE-17				< LINE FILTER >	
△ D910	6-501-193-01	DIODE 1SS355WTE-17		△ LF901	1-457-054-21	COIL, LINE FILTER (SP, TH)	
△ D913	6-500-241-01	DIODE SARS03		△ LF901	1-457-449-11	COIL, LINE FILTER (E32, MX)	
△ D914	6-501-193-01	DIODE 1SS355WTE-17		△ LF902	1-457-054-21	COIL, LINE FILTER (SP, TH)	
△ D915	6-501-174-01	DIODE UDZW-TE17-10B		△ LF902	1-457-449-11	COIL, LINE FILTER (E32, MX)	
						< PHOTO COUPLER >	
△ D921	6-501-424-01	DIODE ST02D-140		△ PC901	6-600-438-01	IC TLP421F (D4-GR)	
△ D922	8-719-063-74	DIODE D1NL20U-TR2		△ PC902	6-600-438-01	IC TLP421F (D4-GR)	
△ D923	6-501-174-01	DIODE UDZW-TE17-10B		△ PC903	6-600-438-01	IC TLP421F (D4-GR)	
△ D924	6-501-183-01	DIODE UDZW-TE17-24B				< TRANSISTOR >	
△ D925	6-501-167-01	DIODE UDZW-TE17-5.1B		△ Q901	8-729-141-88	TRANSISTOR 2SB1116A-TP-LK	
△ D926	6-501-174-01	DIODE UDZW-TE17-10B		△ Q921	8-729-142-51	TRANSISTOR 2SD1616A-TP-LK	
D931	6-501-849-01	DIODE FMX-22SL		Q943	8-729-038-28	TRANSISTOR RT1N441C-TP-1	
D932	6-501-167-01	DIODE UDZW-TE17-5.1B		Q945	6-550-718-01	TRANSISTOR RSR025N03TL	
D941	6-500-288-11	DIODE EK19LF-F7		Q947	8-729-038-28	TRANSISTOR RT1N441C-TP-1	
D942	8-719-080-53	DIODE RK36LF-B3				< RESISTOR >	
D943	8-719-080-53	DIODE RK36LF-B3		△ R901	1-219-759-11	METAL 1M 5% 1/2W	
D944	6-500-288-11	DIODE EK19LF-F7		△ R903	1-215-926-00	METAL OXIDE 33K 5% 3W F	(MX)
D945	6-501-181-01	DIODE UDZW-TE17-20B					
		< GROUND TERMINAL >		△ R903	1-215-929-11	METAL OXIDE 100K 5% 3W F	(EXCEPT MX)
EB901	1-537-770-21	TERMINAL BOARD, GROUND		△ R904	1-215-926-00	METAL OXIDE 33K 5% 3W F	(MX)
EB902	1-537-770-21	TERMINAL BOARD, GROUND		△ R904	1-215-929-11	METAL OXIDE 100K 5% 3W F	(EXCEPT MX)
EB903	1-537-770-21	TERMINAL BOARD, GROUND					
EB904	1-537-770-21	TERMINAL BOARD, GROUND		△ R905	1-216-797-11	METAL CHIP 10 5% 1/10W	
EB906	1-537-770-21	TERMINAL BOARD, GROUND		△ R906	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
		< FUSE HOLDER >		△ R907	1-216-833-11	METAL CHIP 10K 5% 1/10W	
△ FH901	1-533-217-41	HOLDER, FUSE		△ R908	1-260-105-11	CARBON 3.3K 5% 1/2W	
△ FH902	1-533-217-41	HOLDER, FUSE		△ R909	1-216-845-11	METAL CHIP 100K 5% 1/10W	
		< FUSIBLE RESISTER >		△ R910	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
△ FR901	1-242-949-11	FUSIBLE 0.1 10% 1W	(SP,TH)	△ R911	1-216-813-11	METAL CHIP 220 5% 1/10W	
		< IC >		△ R912	1-216-361-61	METAL OXIDE 0.22 5% 2W F	(MX)
△ IC901	6-707-741-01	IC STR-F6138-LF1352 (MX)		△ R912	1-216-363-00	METAL OXIDE 0.33 5% 2W F	(EXCEPT MX)
△ IC901	6-707-742-01	IC STR-F6168-LF1352 (EXCEPT MX)		△ R913	1-216-361-61	METAL OXIDE 0.22 5% 2W F	(MX)
△ IC921	6-707-740-01	IC STR-V153					
IC931	8-759-648-34	IC TA76431AS (TPE6)		△ R914	1-220-891-11	METAL 0.1 10% 5W F	(EXCEPT MX)
IC941	6-705-308-01	IC SI-3010KM-TL		△ R914	1-243-669-11	METAL 0.05 5% 5W F	(MX)
IC942	6-705-308-01	IC SI-3010KM-TL		△ R919	1-216-836-11	METAL CHIP 18K 5% 1/10W	
IC943	6-705-308-01	IC SI-3010KM-TL		△ R922	1-216-793-11	METAL CHIP 4.7 5% 1/10W	

HCD-DZ7T

Ver. 1.1

POWER P-SW SP

Ref. No.	Part No.	Description			Remark
△ R923	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
△ R925	1-216-797-11	METAL CHIP	10	5%	1/10W
△ R926	1-216-855-11	METAL CHIP	680K	5%	1/10W
△ R927	1-216-348-00	METAL OXIDE	0.82	5%	1W F (E32, MX)
△ R927	1-216-349-00	METAL OXIDE	1	5%	1W F (SP, TH)
△ R929	1-246-106-11	METAL OXIDE	2.2	5%	1/2W F
R931	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R932	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R933	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R934	1-216-821-11	METAL CHIP	1K	5%	1/10W
R935	1-216-821-11	METAL CHIP	1K	5%	1/10W
R936	1-216-853-11	METAL CHIP	470K	5%	1/10W
R937	1-216-833-11	METAL CHIP	10K	5%	1/10W
R938	1-216-821-11	METAL CHIP	1K	5%	1/10W
R939	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R940	1-216-833-11	METAL CHIP	10K	5%	1/10W
R941	1-216-845-11	METAL CHIP	100K	5%	1/10W
R942	1-216-833-11	METAL CHIP	10K	5%	1/10W
R943	1-216-839-11	METAL CHIP	33K	5%	1/10W
R945	1-216-833-11	METAL CHIP	10K	5%	1/10W
R946	1-216-837-11	METAL CHIP	22K	5%	1/10W
R948	1-216-833-11	METAL CHIP	10K	5%	1/10W
R949	1-216-821-11	METAL CHIP	1K	5%	1/10W
R951	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R952	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R953	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R954	1-216-837-11	METAL CHIP	22K	5%	1/10W
R955	1-216-817-11	METAL CHIP	470	5%	1/10W
R956	1-216-821-11	METAL CHIP	1K	5%	1/10W
R957	1-216-841-11	METAL CHIP	47K	5%	1/10W
R958	1-216-821-11	METAL CHIP	1K	5%	1/10W
R960	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R962	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R965	1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W
R966	1-216-821-11	METAL CHIP	1K	5%	1/10W
R967	1-216-821-11	METAL CHIP	1K	5%	1/10W
R968	1-216-821-11	METAL CHIP	1K	5%	1/10W
△ R969	1-216-821-11	METAL CHIP	1K	5%	1/10W
R971	1-216-864-11	SHORT CHIP	0		
R972	1-216-833-11	METAL CHIP	10K	5%	1/10W
R974	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
< TRANSFORMER >					
△ T901	1-443-649-11	TRANSFORMER, CONVERTER (MX)			
△ T901	1-443-874-11	TRANSFORMER, CONVERTER (EXCEPT MX)			
△ T902	1-443-650-11	TRANSFORMER, CONVERTER			
< THERMISTOR >					
△ TH901	1-805-841-21	THERMISTOR, NTC 3.0 (E32, MX)			
△ TH901	1-805-842-21	THERMISTOR, NTC 6.0 (SP, TH)			
< VARISTOR >					
△ VDR901	1-805-482-11	VARISTOR			

Ref. No.	Part No.	Description	Remark		
		P-SW BOARD			

		< CAPACITOR >			
C851	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		< SWITCH >			
S801	1-762-875-21	SWITCH, KEYBOARD (I/⏻)			

		SP BOARD			

		< CAPACITOR >			
C311	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C312	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C313	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C314	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C315	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C316	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C317	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C318	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C319	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C320	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
* CN303	1-564-519-11	PLUG, CONNECTOR 4P			
* CN304	1-564-521-11	PLUG, CONNECTOR 6P			
		< TERMINAL >			
TB301	1-780-459-11	TERMINAL BOARD (SPEAKER) 5P			
		(SPEAKER FRONT R/FRONT CENTER L/SUR R/SUR L)			

		MISCELLANEOUS			

5	1-828-952-11	WIRE (FLAT TYPE) (9 CORE)			
6	1-693-727-11	TUNER (FM/AM)			
59	1-828-325-11	WIRE (FLAT TYPE)(13 CORE)			
61	1-828-374-51	WIRE (FLAT TYPE)(21 CORE)			
102	1-828-292-11	WIRE (FLAT TYPE)(5CORE)			
103	1-828-369-11	WIRE (FLAT TYPE)(21 CORE)			
104	1-828-316-11	WIRE (FLAT TYPE)(11CORE)			
109	1-787-331-11	FAN, D.C.			
△ 110	1-777-071-23	CORD, POWER (SP)			
△ 110	1-827-226-41	CORD, POWER (MX)			
△ 110	1-830-188-11	CORD, POWER (E32)			
△ 110	1-834-288-11	CORD, POWER (TH)			
△ 507	8-820-321-05	OPTICAL PICK UP ASSY (KHM-313CAA/C2RP)			
△ F901	1-533-311-12	FUSE, GLASS CYLINDRICAL (DIA.5) (8A/125V)			
		(MX)			
△ F901	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG)(T8AL/250V)			
		(E32)			
△ F901	1-576-233-51	FUSE (H.B.C.) (T6.3AH/250V)(SP, TH)			

MEMO

REVISION HISTORY

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

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

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