

AVD-C70ES

SERVICE MANUAL

Ver 1.0 2002. 08

US Model
Canadian Model



Model Name Using Similar Mechanism	NEW
Base Unit Name	DVBU18
Optical Pick-up Name	TDP022W

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 6 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 120 watts per channel minimum RMS power, with no more than 0.7 % total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Stereo mode 120 W + 120 W (6 ohms, 20 – 20,000 Hz, THD 0.7 %)
Surround mode Front: 120 W + 120 W
Center*: 120 W
Rear*: 120 W + 120 W (6 ohms, 20 – 20,000 Hz, THD 0.7 %)

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

Inputs (Analog)	ANALOG IN: Sensitivity: 150 mV Impedance: 50 kilohms
Inputs (Digital)	DIGITAL IN OPTICAL: Sensitivity: — DIGITAL IN COAXIAL: Sensitivity: 0.5 V Impedance: 75 ohms
Outputs (Analog)	ANALOG OUT: Voltage: 2 V Impedance: 1 kilohms SUBWOOFER ANALOG OUT: Voltage: 3 V Impedance: 47 kilohms PHONES: Accepts low- and high-impedance headphones
Outputs (Digital)	DIGITAL OPTICAL OUT Sensitivity: —

– Continued on next page –

SUPER AUDIO CD/DVD RECEIVER

9-874-155-01
2002H0400-1
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Sony Corporation
Home Audio Company
Published by Sony Engineering Corporation

SONY®

Super Audio CD/DVD system

Laser	Semiconductor laser (Super Audio CD/DVD: λ = 650 nm) (CD: λ = 780 nm) Emission duration: continuous
Signal format system	NTSC
Frequency response (at 2 CH STEREO mode)	DVD (PCM): 2 Hz to 22 kHz (±1.0 dB) CD: 2 Hz to 20 kHz (±1.0 dB)
Signal-to-noise ratio	More than 80 dB (VIDEO 1 (AUDIO) connectors only)
Harmonic distortion	Less than 0.03 %

FM tuner section

System	PLL quartz-locked digital synthesizer system
Tuning range	87.5 – 108.0 MHz (100 kHz step)
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

System	PLL quartz-locked digital synthesizer system
Tuning range	530 – 1,710 kHz (with the interval set at 10 kHz) 531 – 1,710 kHz (with the interval set at 9 kHz)
Antenna	Loop antenna
Intermediate frequency	450 kHz

Video section

Inputs	S-video: Y: 1 Vp-p 75 ohms C: 0.286 Vp-p 75 ohms
Outputs	S-video: Y: 1 Vp-p 75 ohms C: 0.286 Vp-p 75 ohms

General

Power requirements	120 V AC, 60 Hz
Power consumption	180 W 1.5 W (at the Power Saving Mode)
Dimensions (approx.)	430 × 135.5 × 455 mm (17 × 5 3/8 × 18 inches) (w/h/d) incl. projecting parts
Mass (approx.)	9.8 kg (21 lb. 10 oz.)
Operating temperature	5 °C to 35 °C (41 °F to 95 °F)
Operating humidity	5 % to 90 %

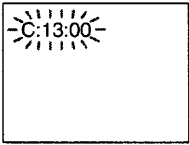
Design and specifications are subject to change without notice.

SELF DIAGNOSIS FUNCTION

Self-diagnosis Function

(When letters/numbers appear in the display)

When the self-diagnosis function is activated to prevent the receiver from malfunctioning. In this case a five-character service number (e.g., C 13 00) with a combination of a letter and digits appears on the screen and the front panel display. Refer to the following table.



First three 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. ➡ Re-insert the disc correctly.
E XX (xx is a number)	To prevent a malfunction, the receiver 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

Note: Refer to the “4.TEST MODE” (page 16) for another self-diagnosis function.

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.

CAUTION

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

CAUTION-

Laser radiation when open.
DO NOT STARE INTO BEAM.

This label is located on the side exterior.

SAFETY CHECK-OUT

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

Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes).

Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

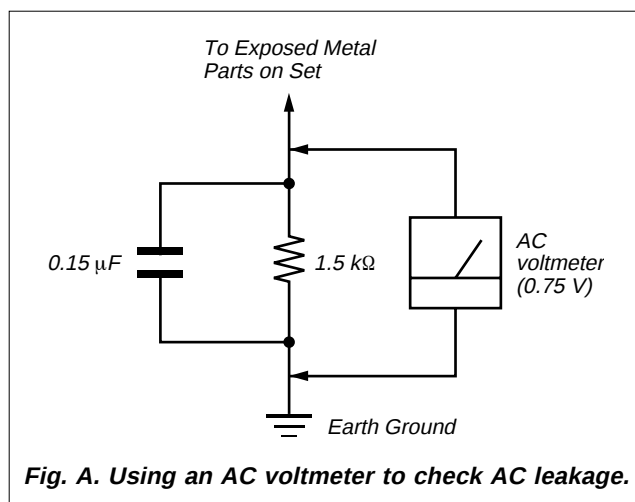


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

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

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SECTION 1 SERVICING NOTES

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

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

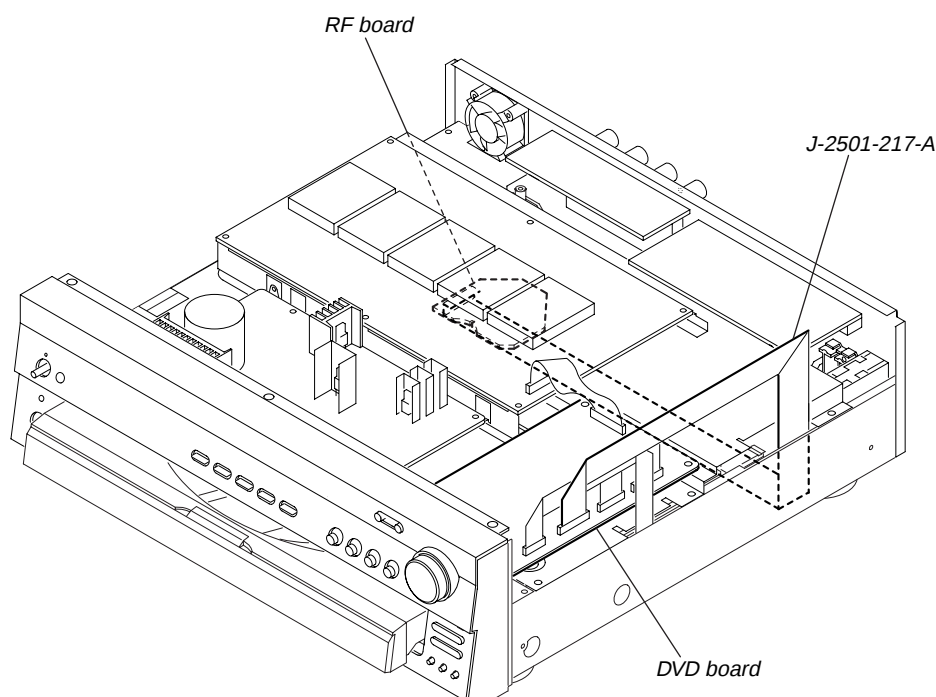
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

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

JIG ON REPAIRING

When repairing this set, etc., connect the extension cable as the figure shown below.

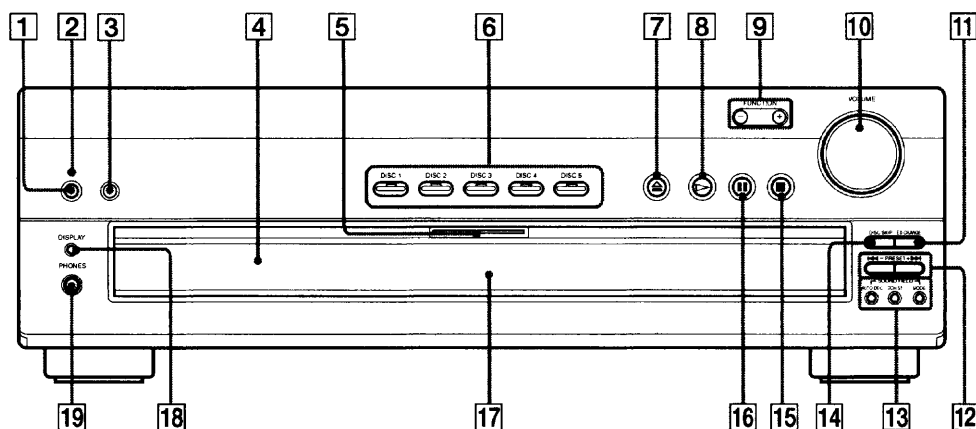


SECTION 2 GENERAL

This section is extracted from instruction manual.

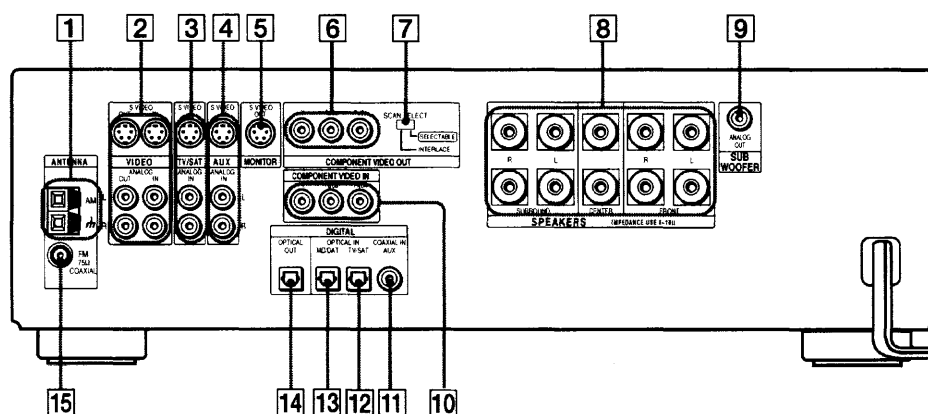
LOCATION OF CONTROLS

Front Panel



- | | |
|------------------------------------|-------------------------------------|
| 1 POWER switch | 11 EX-CHANGE |
| 2 STANDBY indicator | 12 ◀▶/▶▶, PRESET +/- |
| 3 (remote sensor) | 13 SOUND FIELD AUTO DEC/2CH ST/MODE |
| 4 Disc tray | 14 DISC SKIP |
| 5 MULTI CHANNEL DECODING indicator | 15 ■ (stop) |
| 6 DISC 1 - 5 | 16 (pause) |
| 7 (open/close) | 17 Front panel display |
| 8 ▶ (play) | 18 DISPLAY |
| 9 FUNCTION +/- | 19 PHONES jack |
| 10 VOLUME control | |

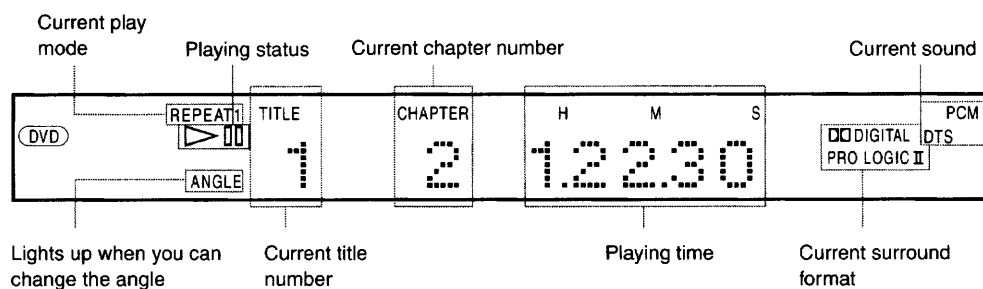
Rear Panel



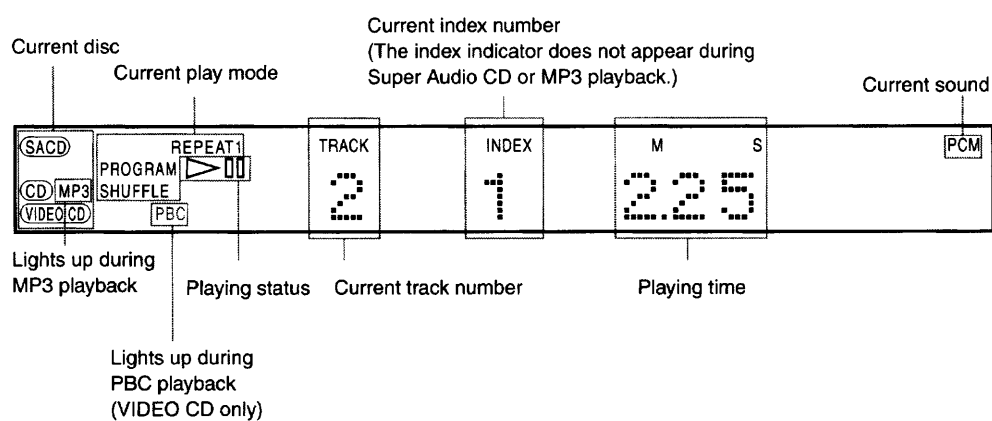
- | | |
|---|--------------------------------|
| 1 AM antenna | 7 COMPONENT VIDEO OUT switch |
| 2 VIDEO (S VIDEO/ANALOG L/R IN/OUT) jacks | 8 SPEAKERS jacks |
| 3 TV/SAT (S VIDEO/ANALOG L/R IN) jacks | 9 SUB WOOFER (ANALOG OUT) jack |
| 4 AUX (S VIDEO/ANALOG L/R IN) jacks | 10 COMPONENT VIDEO IN jacks |
| 5 MONITOR (S VIDEO OUT) jack | 11 AUX (COAXIAL IN) jack |
| 6 COMPONENT VIDEO OUT jacks | 12 TV/SAT (OPTICAL IN) jack |
| | 13 MD/DAT (OPTICAL IN) jack |
| | 14 OPTICAL OUT jack |
| | 15 FM 75Ω COAXIAL antenna jack |

Front Panel Display

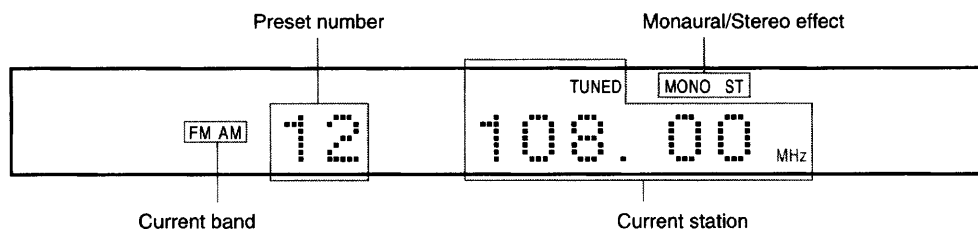
When playing back a DVD



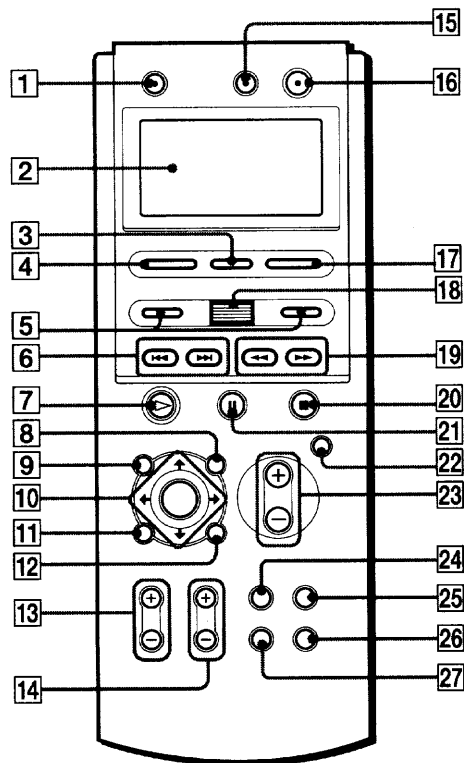
When playing back a Super Audio CD, CD, VIDEO CD, or MP3



When listening to the radio



Remote



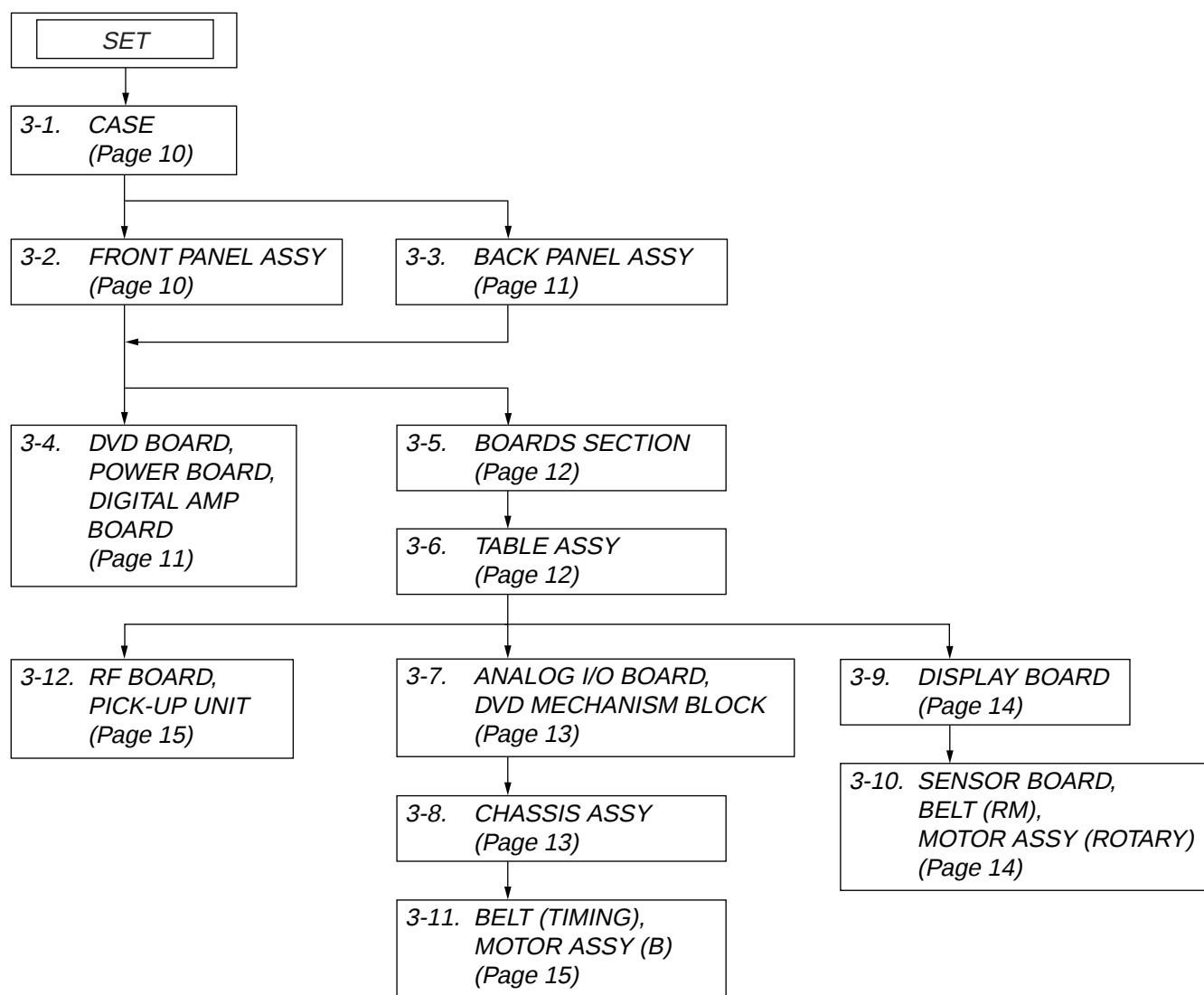
- 1 TV I/⏻ (on/standby)
- 2 Display
- 3 RM SETUP
- 4 SOUND FIELD
- 5 </>
- 6 ⏮/⏭, CH +/-
- 7 ▷ (play)
- 8 AV MENU
- 9 TOP MENU/GUIDE
- 10 ⏪/⏩/⏴/⏵/ENTER
- 11 DVD DISPLAY
- 12 ⏮ RETURN/EXIT
- 13 TV VOL +/-
- 14 TV CH +/-
- 15 AV I/⏻ (on/standby)
- 16 I/⏻ (on/standby)
- 17 FUNCTION
- 18 Scroll key
- 19 ⏮/⏭
- 20 ■ (stop)
- 21 || (pause)
- 22 MUTING
- 23 VOLUME +/-
- 24 TV/VIDEO
- 25 AMP MENU
- 26 DVD SETUP
- 27 WIDE

Notes

- The remote's display disappears automatically if you don't press any button for more than 10 seconds.
- This remote control glows in the dark. However, before glowing, the remote must be exposed to light for awhile.

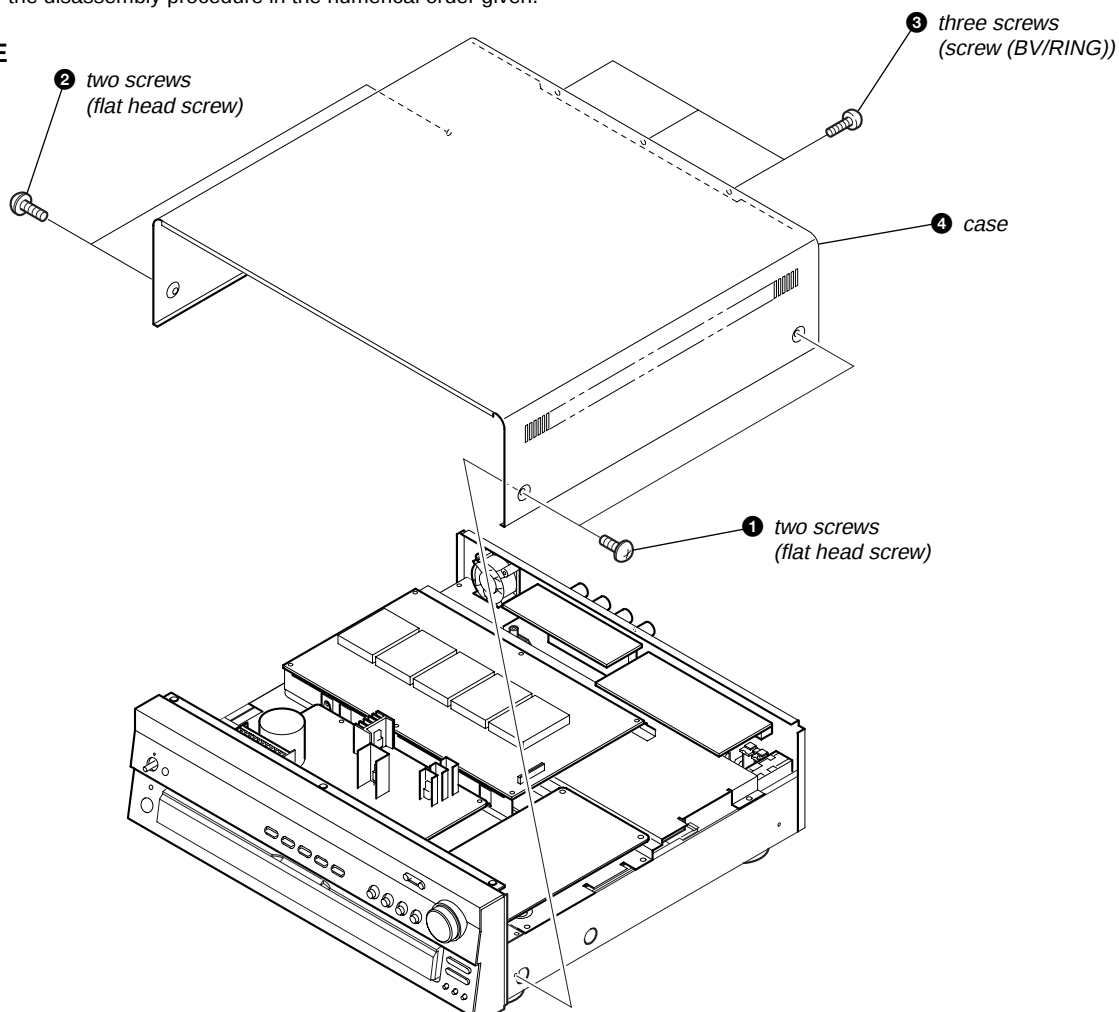
SECTION 3 DISASSEMBLY

Note: This set can be disassemble according to the following sequence.

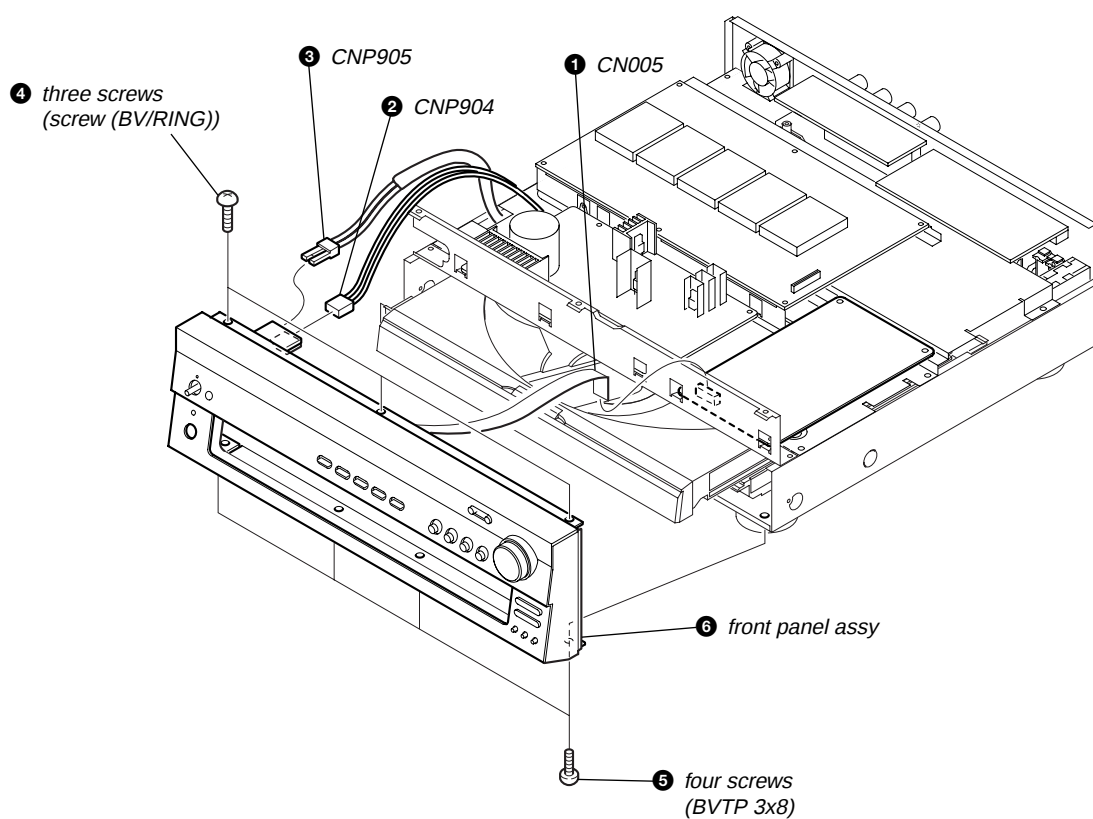


Note: Follow the disassembly procedure in the numerical order given.

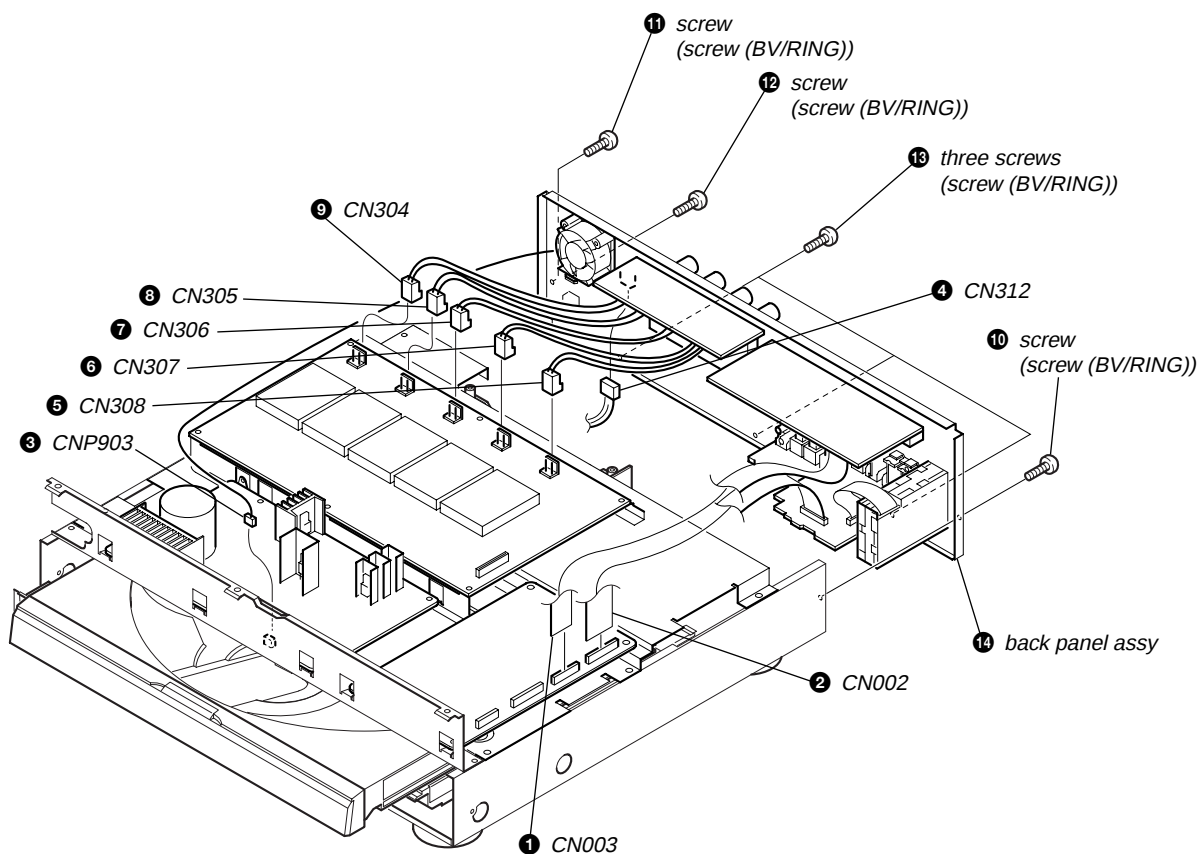
3-1. CASE



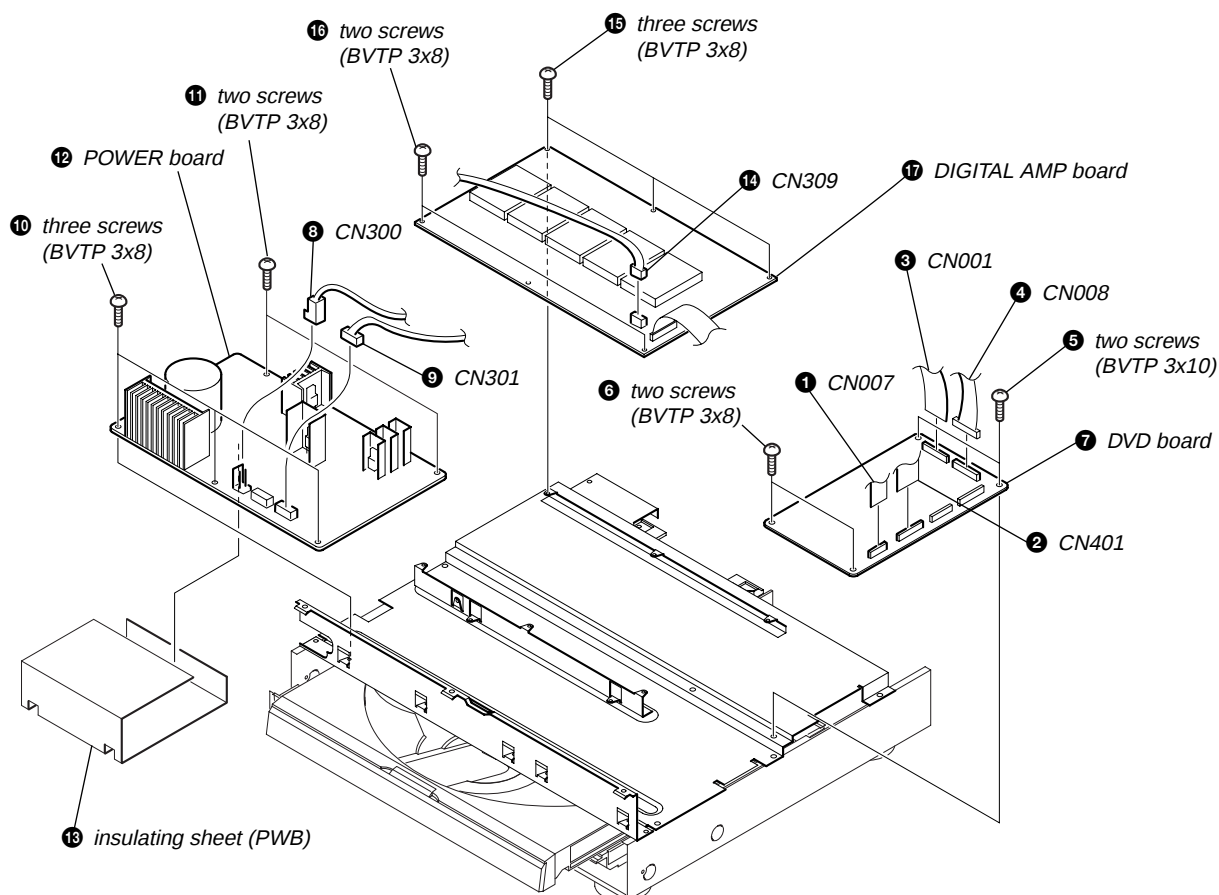
3-2. FRONT PANEL ASSY



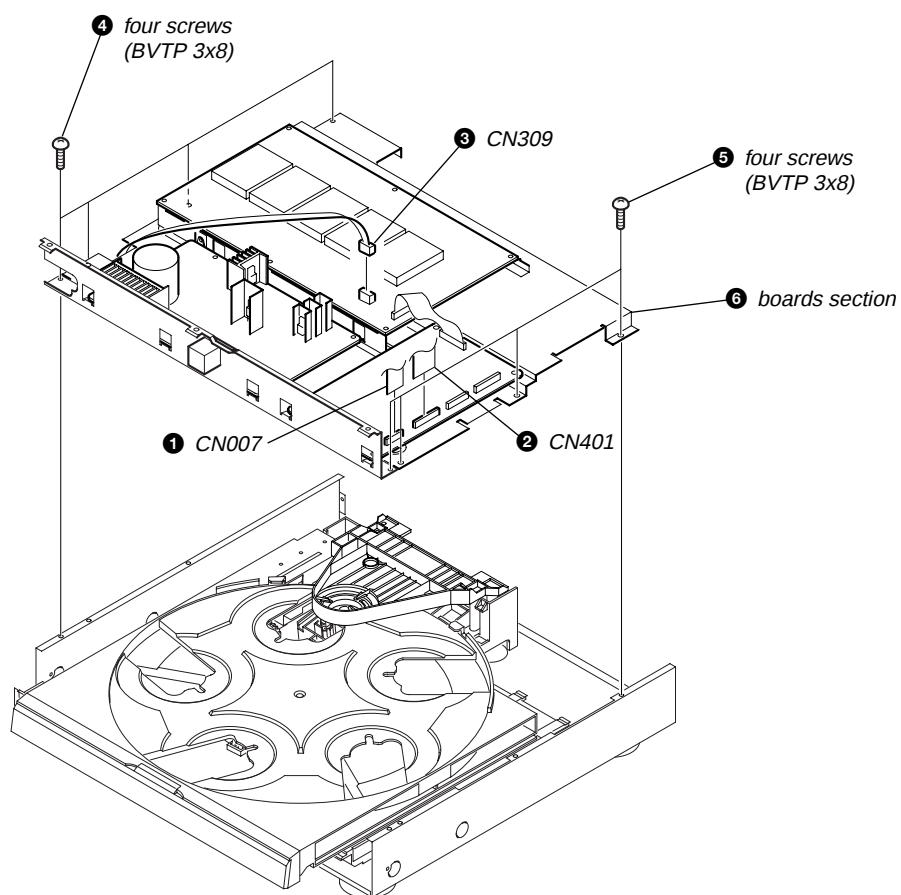
3-3. BACK PANEL ASSY



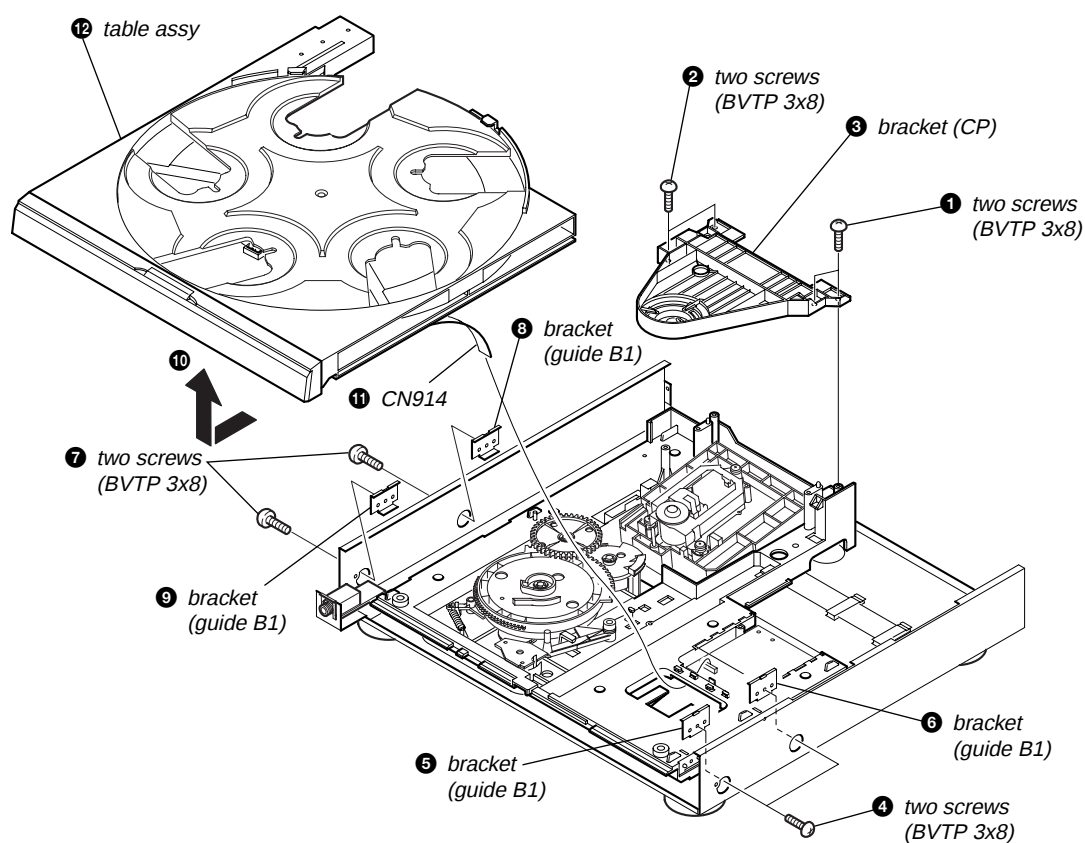
3-4. DVD BOARD, POWER BOARD, DIGITAL AMP BOARD



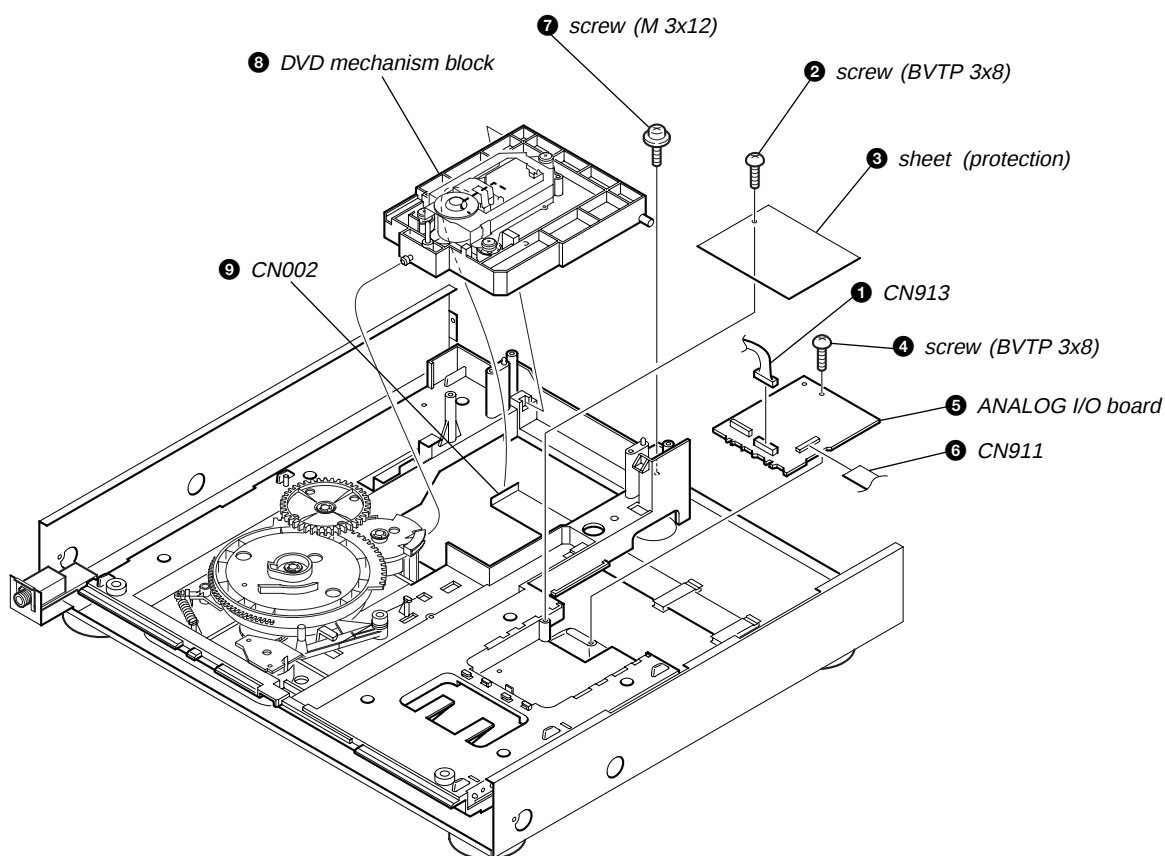
3-5. BOARDS SECTION



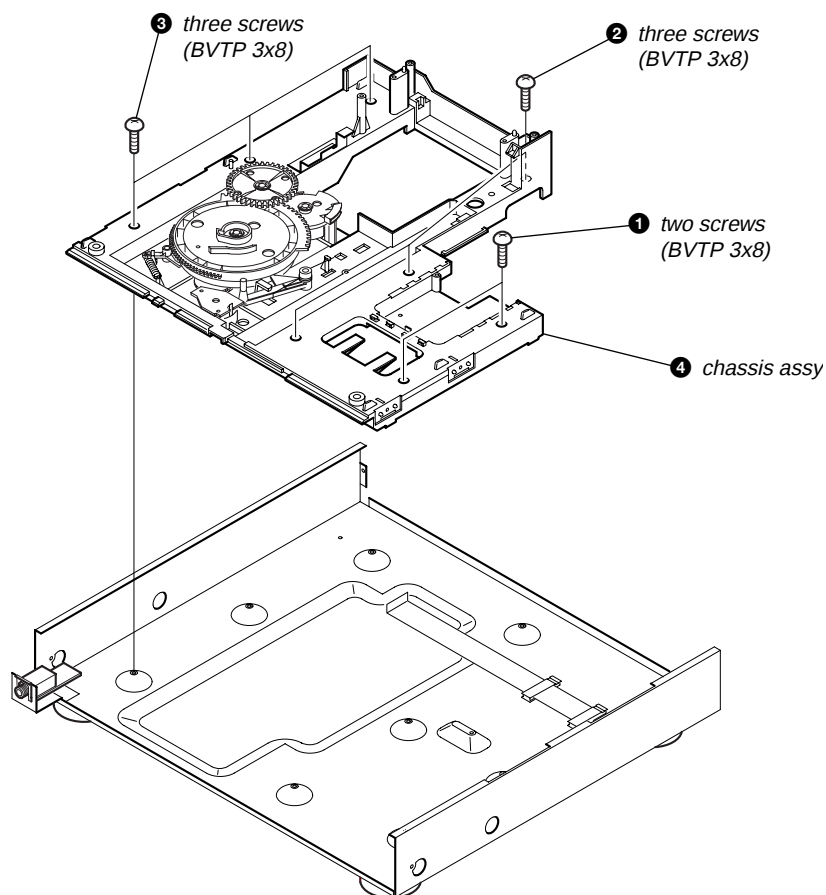
3-6. TABLE ASSY



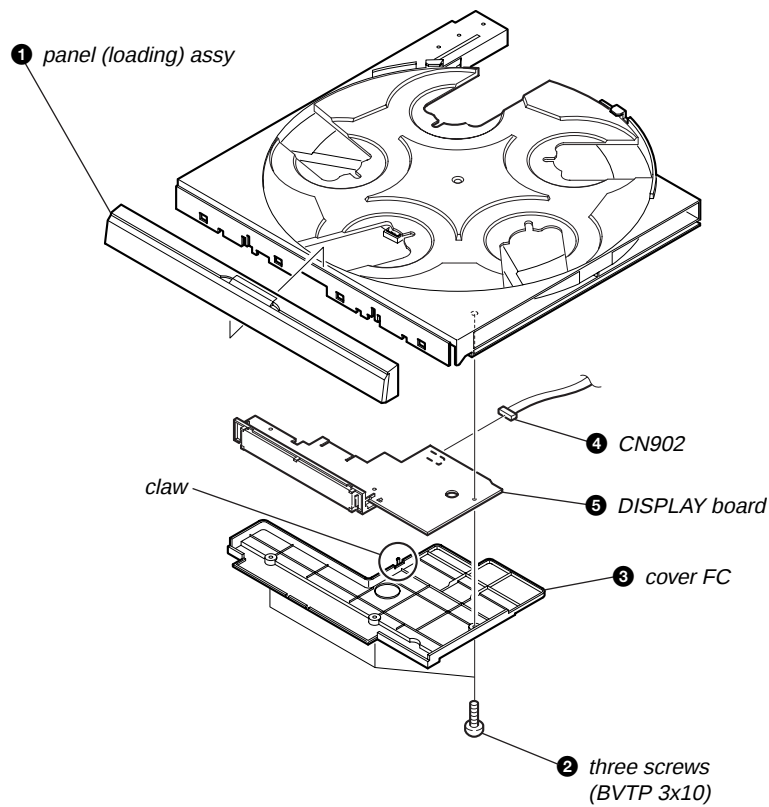
3-7. ANALOG I/O BOARD, DVD MECHANISM BLOCK



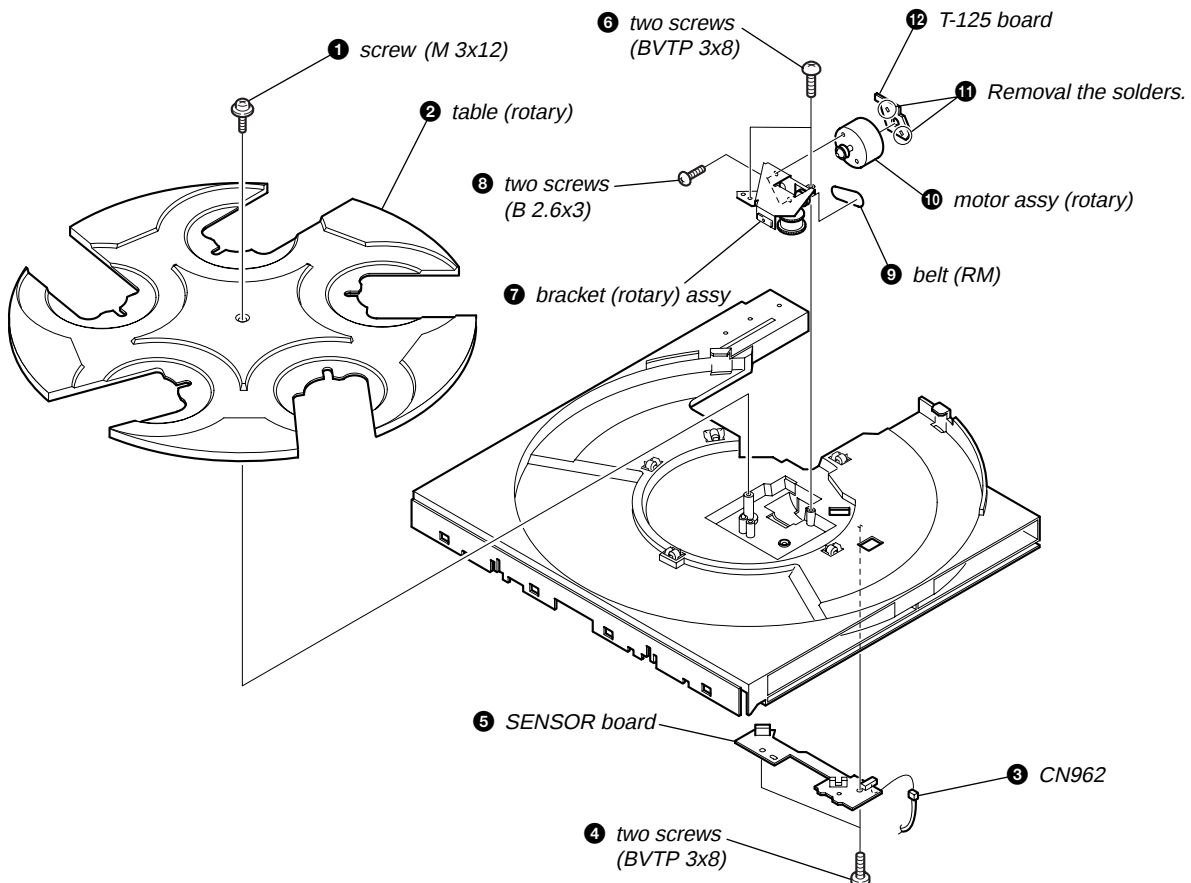
3-8. CHASSIS ASSY



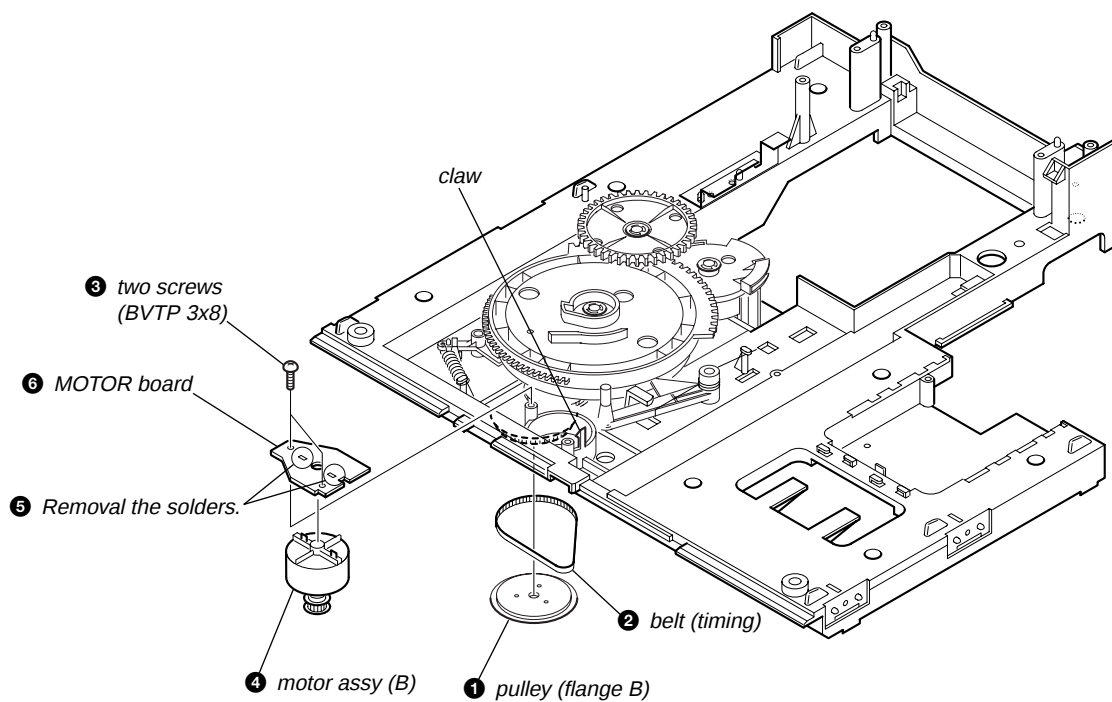
3-9. DISPLAY BOARD



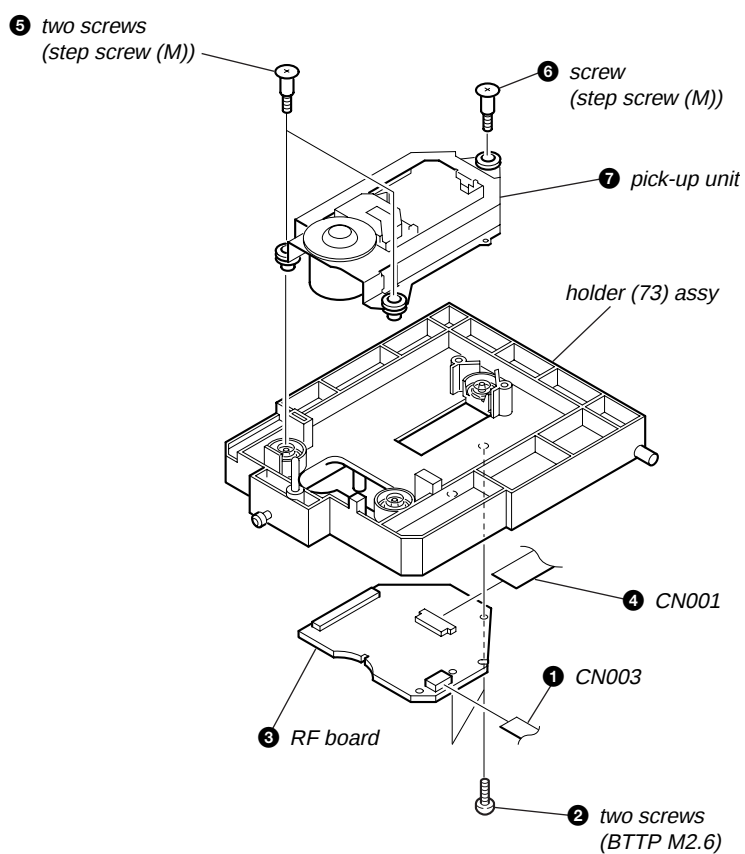
3-10. SENSOR BOARD, BELT (RM), MOTOR ASSY (ROTARY)



3-11. BELT (TIMING), MOTOR ASSY (B)



3-12. RF BOARD, PICK-UP UNIT



SECTION 4

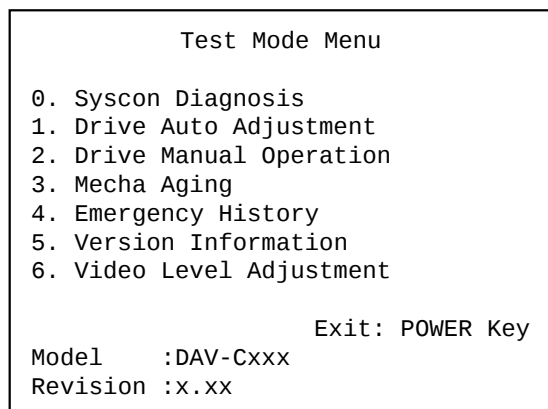
TEST MODE

[GENERAL DESCRIPTION]

The Test Mode allows you to make diagnosis and adjustment easily using the remote commander and monitor TV. The instructions, diagnostic results, etc. are given on the on-screen display (OSD).

[STARTING TEST MODE]

1. Press the **[POWER]** button to turn the power on, and set the function to DVD.
2. While pressing the **[■]** and **[DISPLAY]** button, turn the **[VOLUME]** knob clockwise to enter the test mode.
3. It displays "TEST MODE" on the fluorescent indicator tube, and displays the Test Mode Menu on the monitor screen as follows. (At the bottom of the menu screen, the model name and revision number are displayed)



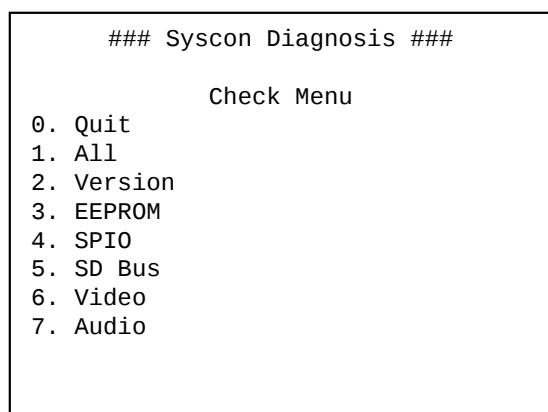
4. To execute each function, select the desired menu and press its number on the remote commander (RM-SS880J).
5. To release from test mode, press the **[POWER]** button and turn the power off.

[OPERATING TEST MODE]

0. SYSCON DIAGNOSIS

The same contents as board detail check by serial interface can be checked from the remote commander operation.

On the Test Mode Menu screen, press **[10/0]** key on the remote commander, and the following Check Menu will be displayed.



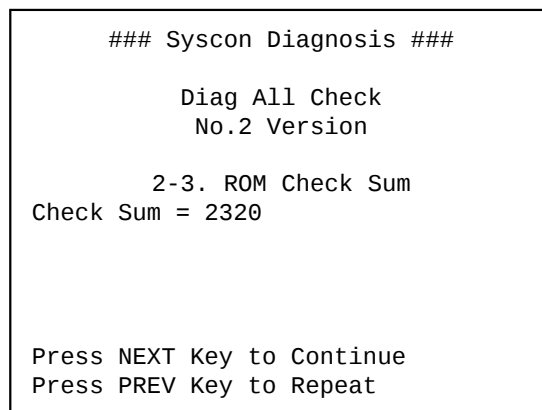
0-0. Quit

Quit the Syscon Diagnosis and return to the Test Mode Menu.

0-1. All (All items continuous check)

This menu checks all diagnostic items continuously. Normally, all items are checked successively one after another automatically unless an error is found, but at a certain item that requires judgment through a visual check to the result, the following screen is displayed for the key entry.

• Example display



For the ROM Check, the check sum calculated by the Syscon is output, and therefore you must compare it with the specified value for confirmation.

Following the message, press the **[NEXT ►►]** button to go to the next item, or press the **[◄◄ PREV]** button to repeat the same operation again.

To quit the diagnosis and return to Check Menu screen, press the **[RETURN]** key on the remote commander to display Check Menu.

• Error occurred

If an error occurred, the diagnosis is suspended and error is displayed. Press the **[RETURN]** key on the remote commander to quit the diagnosis, or press the **[◄◄ PREV]** button to repeat the same check where an error occurred, or press the **[NEXT ►►]** button to continue the check from the item next to faulty item.

General Description of Checking Method

Selecting 2 and subsequent items calls the submenu screen of each item. And selecting 2 and subsequent items executes respective menus and outputs the results.

For the contents of each submenu, see "Check Items List" as below.

Check Items List:

- 0-2. Version
 - 0-2-1. All
 - 0-2-2. Revision
 - 0-2-3. ROM Check Sum
 - 0-2-4. Model Type
 - 0-2-5. Region
- 0-3. EEPROM Check
 - 0-3-1. Sampling Check
 - 0-3-2. Detail Check
- 0-4. GP I/O Check
- 0-5. SD Bus Check
- 0-6. Video Check
- 0-7. Audio Check

0-2. Version

0-2-2. Revision

The revision number of ROM (IC204) that the program for the DVD system processor (IC206) is stored.
(4 digits hexadecimal number)

0-2-3. ROM Check Sum

The revision number of ROM (IC204) that the program for the DVD system processor (IC206) is stored.

0-2-4. Model Type

Model name is displayed. (DAV-C770 or DAV-C990)

0-2-5. Region

Model destination code is displayed. (2 digits number)

0-3. EEPROM Check

0-3-1. Sampling Check

EEPROM check at every 64 words.

It compares read data with write data of each address. When there are discrepancies between two data, it displays error.

0-3-2. Detail Check

EEPROM check at every 1 word.

It compares read data with write data of each address. When there are discrepancies between two data, it displays error.

0-4. GP I/O Check

Pull up/down setting check of the DVD system processor (IC206) pin 150, 151 and 154 (for clock setting port).

0-5. SD Bus Check

SD bus data check between DVD decoder (IC701) and D-RAM (IC706).

0-6. Video Check

Output the color bars for video level adjustment.

0-7. Audio Check

Output the test signal (1kHz sine wave) for 5.1 CH test.

1. DRIVE AUTO ADJUSTMENT

On the Test Mode Menu screen, press the **[1]** key on the remote commander, and the Adjustment Menu will be displayed.

Drive Auto Adjustment ##
Adjustment Menu

0. ALL
1. DVD-SL
2. CD
3. DVD-DL

Exit: RETURN

Normally, **[10/0]** is selected to adjust DVD (single layer), CD and DVD (dual layer) in this order. But, individual items can be adjusted for the case where adjustment is suspended due to an error. In this mode, the adjustment can be made easily through the operation following the message displayed on the screen.

The disc used for adjustment must be the one specified for adjustment.

1-0. ALL

Press the **[10/0]** key on the remote commander, and the servo set data in EEPROM will be initialized. Then, 1. DVD-SL disc, 2. CD disc and 3. DVD-DL disc are adjusted in this order.

Each time one disc was adjusted, it is ejected. Replace it with the specified disc following the message. You can finish the adjustment by pressing the **[RETURN]** button on the remote commander.

Note: During adjustment of each disc, the measurement for disc type judgment is made. As automatic adjustment does not judge the disc type unlike conventional models, take care not to insert wrong type discs. Also, do not give a shock during adjustment.

1-1. DVD-SL (single layer)

Press the **[1]** key on the remote commander and insert a DVD single layer disc following the message. Then the adjustment will be made through the steps below, then adjusted values will be written to the EEPROM.

DVD Single Layer Disc Adjustment Steps:

1. Sled tilt reset
2. Disc check memory SL
3. Wait 300 msec
4. Set disc type SL
5. LD on
6. Spindle start
7. Wait 1 sec
8. Focus servo on 0
9. Auto track offset adjust
10. CLVA on
11. Wait 500 msec
12. Tracking on
13. Wait 1 sec
14. Sled on
15. Check CLV on
16. Auto LFO adjust
17. Auto focus offset adjust
18. Auto tilt position adjust
19. Auto focus gain adjust
20. Auto focus offset adjust
21. EQ boost adjust
22. Auto loop filter offset adjust
23. Auto track gain adjust
- Search Check
24. 32 track jump forward
25. 32 track jump reverse
26. 500 track jump forward
27. 500 track jump reverse
28. All servo stop
29. EEP copy loop filter offset

1-2. CD

Press the **[2]** key on the remote commander and insert a CD disc following the message. Then the adjustment will be made through the steps below, then adjusted values will be written to the EEPROM.

CD Adjustment Steps

1. Sled tilt rest
2. Disc check memory CD
3. Wait 500 msec
4. Set disc type CD
5. LD on
6. Spindle start
7. Wait 500 msec
8. Focus servo on 0
9. Auto track offset adjust
10. CLVA on
11. Wait 500 msec
12. Tracking on
13. (TC display start)
14. Wait 1 sec
15. Jitter display start
16. Sled ON
17. Check CLV on
18. Auto loop filter offset adjust
19. Auto focus offset adjust
20. Auto focus gain adjust
21. Auto focus offset adjust
22. EQ boost adjust
23. Auto LFO Adjust

24. Auto track gain adjust
- Search Check
25. 32Tj forward
26. 32Tj reverse
27. 500Tj forward
28. 500Tj reverse
29. All servo stop

1-3. DVD-DL (dual layer)

Press the [3] key on the remote commander and insert a DVD dual layer disc following the message. Then the adjustment will be made through the steps below, then adjusted values will be written to the EEPROM.

DVD Dual Layer Disc Adjustment Steps:

1. Sled tilt reset
2. Disc check memory DL
3. Wait 500 msec
4. Set disc type DL
5. LD on
6. Spindle start
7. Wait 1 sec

Layer 1 Adjust

8. Focus servo on 0
9. Auto track offset adjust
10. CLVA on
11. Wait 500 msec
12. Tracking on
13. Wait 500 msec
14. Sled on
15. Check CLV lock
16. Auto loop filter offset adjust, Auto focus adjust
17. Auto focus gain adjust
18. Auto focus offset adjust
19. EQ boost adjust
20. Auto loop filter offset adjust
21. Auto Track Gain Adjust
- Search Check

22. 32 track jump forward
23. 32 track jump reverse
24. 500 track jump forward
25. 500 track jump reverse

Layer 0 Adjust

26. Focus jump (L1 → L0)
27. Auto track offset adjust L0
28. CLVA on
29. Wait 500 msec
30. Tracking on
31. Wait 500 msec
32. Sled on
33. Check CLV lock
34. Auto focus filter offset adjust
35. Auto Focus Adjust
36. Auto focus gain adjust
37. Auto focus offset adjust
38. EQ boost adjust
39. Auto Loop Filter Offset
40. Auto track gain adjust

Search Check

41. 32 track jump forward
42. 32 track jump reverse
43. 500 track jump forward
44. 500 track jump reverse

Layer Jump Check

45. Layer jump (L0 ? L1)
46. Layer jump (L1 ? L0)
47. All servo stop

2. DRIVE MANUAL OPERATION

Note: This mode is used for design, and not used in service fundamentally.

On the Test Mode Menu screen, press the [2] key on the remote commander, and the Operation Menu will be displayed. For the manual operation, each servo on/off control and adjustment can be executed manually.

```

## Drive Manual Operation ##
      Operation Menu
1. Disc Type
2. Servo Control
3. Track/Layer Jump
4. Non EEPROM Write Adjust
5. EEPROM Write Adjust
6. Memory Check
7. Disc Check Memory
8. Error Rate Display
9. SACD Water Mark

Exit: RETURN

```

In using the manual operation menu, take care of the following points. These commands do not provide protection, thus requiring correct operation. The sector address or time code field is displayed when a disc is loaded.

Note:

1. Set correctly the disc type to be used on the Disc Type screen.
2. In case of an alarm, immediately press the [■] button to stop the servo operation, and press the [POWER] button to turn the power off.

Basic operation:

(controllable from front panel or remote commander)

- | | |
|----------------------|--|
| [POWER] | : Power OFF (release the Test Mode) |
| [■] | : Servo stop |
| [▲] (DISC1 to 4) | : Stop and eject/Loading |
| [RETURN] | : Return to Operation Menu or Test Mode Menu |
| [◀◀ PREV], [NEXT ▶▶] | : Transition between sub modes of menu |
| [1] to [9], [10/0] | : Selection of menu items |
| Cursor [↓]/[↑] | : Increase/Decrease in manually adjusted value |

2-1. Disc Type

Disc Type	
Disc Type Select	
1. Disc Type Auto Check	
2. Set Disc Type DVD	
3. Set Disc Type CD	
4. Set Disc Type Hybrid	
Exit: RETURN	

2-1-1. Disc Type Auto Check

- 1) Press the **[1]** key on the remote commander to display the Disc Type Auto Check screen.
- 2) Insert a disc and press the **[ENTER]** key on the remote commander.
- 3) It judges the type of inserted disc automatically and displays the disc type and so on as below.

Disc Type Auto Check	
Disc Type	xx
Layer	xx
Mirr Time	xx
Mirr Count	xx
FZC Count	xx
PI Reference	xx
PI Peak	xx
ENTER.Execute	
Exit: RETURN	

Disc Type : CD, DVD or Hybrid (SACD)
 Layer : SINGLE, DUAL or HYBRID
 Mirr Time : Mirror time of between disc surface and record surface when disc type judgment. (hexadecimal number)
 Mirr Count : The number of times which mirror counts between disc surface and record surface when disc type judging. (hexadecimal number)
 FZC Count : The number of times which focus zero cross points of each layer when lens down. (hexadecimal number)
 PI Reference : The average of PI reference voltage. (hexadecimal number)
 PI Peak : PI peak level voltage. It performs only when disc type judgment is successful. (hexadecimal number)

2-1-2. Disc Type DVD

It sets up so that it may judge as a disc type of specification of the disc with which the set was inserted.

- [1]**: DVD single layer disc (12 cm)
- [2]**: DVD dual layer disc (0 layer, 12 cm)
- [3]**: DVD dual layer disc (1 layer, 12 cm)
- [4]**: DVD-RW disc (12 cm)
- [5]**: DVD single layer disc (8 cm)
- [6]**: DVD dual layer disc (0 layer, 8 cm)
- [7]**: DVD dual layer disc (1 layer, 8 cm)

2-1-3. Disc Type CD

It sets up so that it may judge as a disc type of specification of the disc with which the set was inserted.

- [1]**: CD disc (normal speed, 12 cm)
- [2]**: CD disc (double speed, 12 cm)
- [3]**: CD disc (normal speed, 8 cm)
- [4]**: CD disc (double speed, 8 cm)
- [5]**: CD-RW disc (normal speed, 12 cm)
- [6]**: CD-RW disc (double speed, 12 cm)
- [7]**: CD-RW disc (normal speed, 8 cm)
- [8]**: CD-RW disc (double speed, 8 cm)

2-1-4. Disc Type Hybrid

It sets up so that it may judge as a disc type of specification of the disc with which the set was inserted.

- [1]**: SACD Hybrid disc (SACD layer, 12 cm)
- [2]**: SACD Hybrid disc (CD layer, normal speed, 12 cm)
- [3]**: SACD Hybrid disc (CD layer, double speed, 12 cm)
- [4]**: SACD Hybrid disc (SACD layer, 8 cm)
- [5]**: SACD Hybrid disc (CD layer, normal speed, 8 cm)
- [6]**: SACD Hybrid disc (CD layer, double speed, 8 cm)

2-2. Servo Control

Note: Be sure to perform the disc type setup before performing this item.

Servo Control	
1.LD	off R.Sled FWD
2.Focus	off L.Sled REV
3.SPDL	off U.Sled Reset
4.CLVA	off D.Sled Limit
5.Trk.	off
6.Sled	off
7.Fcs.Srch	off
8.Fcs.OppL	off
0.All Servo Off	
Exit: RETURN	

On this screen, the servo on/off control necessary for replay is executed. Normally, turn on each servo from 1 sequentially and when CLVA is turned on, the usual trace mode becomes active. In the trace mode, DVD sector address or CD time code is displayed. This is not displayed where the spindle is not locked.

The spindle could run overriding the control if the spindle system is faulty or RF is not present. In such a case, do not operate CLVA.

- [1]** LD : Turn on/off the laser.
- [2]** Focus : Search the focus and turn on the focus.
- [3]** SPDL : Turn on/off the spindle.
- [4]** CLVA : Turn on/off normal servo of spindle servo.
- [5]** Trk. : Turn on/off the tracking servo.
- [6]** Sled : Turn on/off the sled servo.
- [7]** FCS. Srch : Turn on/off the focus search.
- [8]** FCS. OppL : Turn on/off the focus search to another layer of designated layer in Disc Type setting. (dual layer disc only)
- [10/0]** : All servo off.
- [R]** Sled FWD (right cursor) : Move the sled forward.
- [L]** Sled REV (left cursor) : Move the sled reverse.
- [U]** Sled FWD (up cursor) : Reset the sled.
- [D]** Sled REV (down cursor) : Limit in the sled.

2-3. Track/Layer Jump

Track/Layer Jump			
1.	1Tj	FWD R.Lj	L0>L1
2.	1Tj	REV L.Lj	L1>L0
3.	500Tj Fine	FWD U.Fj	L0>L1
4.	500Tj Fine	REV D.Fj	L1>L0
5.	10kTj Dirc	FWD	
6.	10kTj Dirc	REV	
7.	20kTj Dirc	FWD	
8.	20kTj Dirc	REV	
0. All Servo Off			
Exit: RETURN			

On this screen, track jump, etc. can be performed. Only for the DVD dual layer disc, the focus jump and layer jump are displayed in the right field

- [1] 1Tj FWD : 1 track jump forward.
- [2] 1Tj REV : 1 track jump reverse.
- [3] 500Tj FWD: 500 track jump (fine search)forward.
- [4] 500Tj REV : 500 track jump (fine search) reverse.
- [5] 10kTj FWD: 10k track jump (direct search) forward.
- [6] 10kTj REV : 10k track jump (direct search) reverse.
- [7] 20kTj FWD: 20k track jump (direct search) forward.
- [8] 20kTj REV : 20k track jump (direct search) reverse.
- [10/0] : All servo off.

2-4. Non EEPROM Write Adjust

Non EEPROM Write Adjust			
1.	Focus	Offset	
2.	Focus	Gain	
3.	Trk.	Offset Coarse	
4.	Trk.	Offset Fine	
5.	Trk.	Gain	
6.	EQ	Boost	
0.All Servo Off			
Exit: RETURN			

On this screen, each item can be adjusted manually. Select the desired number [1] to [10/0] from the remote commander, and current setting for the selected item will be displayed, then increase or decrease numeric value with the [↑] key or [↓] key. This value is stored in the EEPROM. If CLV has been applied, the jitter is displayed for reference for the adjustment.

- [1] Focus Offset : Adjusts focus offset.
- [2] Focus Gain : Adjusts focus gain.
- [3] TRK. Offset : Adjusts tracking offset of the RF amp (IC001) side.
- [4] TRK. Offset : Adjusts tracking offset of the DSP (IC401) side.
- [5] TRK. Gain : Adjusts track gain.
- [6] EQ Boost : Adjusts amount of boost of equalizer.
- [10/0] : All servo off.

2-5. EEPROM Write Adjust

EEPROM Write Adjust			
1.	Focus	Offset	
2.	Focus	Gain	
3.	Trk.	Offset Coarse	
4.	_____		
5.	Trk.	Gain	
6.	EQ	Boost	
0.All Servo Off			
Exit: RETURN			

On this screen, each item can be adjusted automatically. Select the desired number [1] to [10/0] from the remote commander, and selected item is adjusted automatically.

- [1] Focus Offset : Adjusts focus offset.
- [2] Focus Gain : Adjusts focus gain.
- [3] TRK. Offset : Adjusts tracking offset of the RF amp (IC001) side.
- [5] TRK. Gain : Adjusts track gain.
- [6] EQ Boost : Adjusts amount of boost of equalizer.
- [10/0] : All servo off.

2-6. Memory Check

Display images are shown as follows, and all two screens are able to switch by the [↑] key (UP) or [↓] key (DW).

EEPROM Data 1/2	CD	SL	L0	L1
Focus Gain	xx	xx	xx	xx
Trk. Gain	xx	xx	xx	xx
Focus Offset	xx	xx	xx	xx
Trk. Offset	xx	xx	xx	xx
EQ. Boost	xx	xx	xx	xx
PI Level	xx	xx	--	--
Fcs. Balance	--	xx	--	--
Jitter xx	xx	xx	xx	
Mirror Time	xx	xx	xx	--
FE Level	--	xx	--	--
Traverse Lv1.	--	xx	--	--
Next:DW Default:CLR		Exit:RET		

EEPROM Data 2/2	CDRW	DVDRW
Focus Gain	xx	xx
Trk. Gain	xx	xx
Focus Offset	xx	xx
Trk. Offset	xx	xx
EQ. Boost	xx	xx
Next:UP Default:CLR		Exit:RET

On this screen, current servo adjusted data stored in the EEPROM are displayed. The adjusted data are initialized by pressing the [CLEAR] key, but be careful that they are not recoverable after initialization.

Before clearing the adjusted data, make a note of the set data. This screen will also appear if [0]-All is selected in the Drive Auto Adjustment. In this case, default setting cannot be made.

2-7. Disc Check Memory

Disc Check Memory

1. SL Disc check
2. CD Disc check
3. DL Disc check

Exit: RETURN

On this screen, measure the mirror time of chucked disc, and write to the EEPROM.

2-8. Error Rate Display

Error Rate Display

		UC	CR	ADD
PI1 Err	Now	xx	xxxx	xxxxxxxx
	Max	xx	xxxx	xxxxxxxx
	Avg	xx	xxxx	xxxxxxxx
PI2 Err	Now	xx	xxxx	xxxxxxxx
	Max	xx	xxxx	xxxxxxxx
	Avg	xx	xxxx	xxxxxxxx
P0 Err	Now	xx	xxxx	xxxxxxxx
	Max	xx	xxxx	xxxxxxxx
	Avg	xx	xxxx	xxxxxxxx

Exit: RETURN

On this screen, measure and display the error rate.

UC : Incorrect value
CR : Correct value
Add : Address

2-9. SACD Water Mark Check

SACD Water Mark Check

PSP AMP
PSN

Start: ENTER Exit: RETURN

On this screen, measure the PSP AMP value and PSN value of SACD water mark.

3. MECHA AGING

On the Test Mode Menu screen, selecting [3] executes the aging of the mechanism deck.

Aging Test MENU

Operation Menu

1. Open/Close Test

Exit: RETURN

- 1) On the Aging Test MENU screen, press the [1] key on the remote commander to display the Open/Close Test screen.
- 2) Insert discs and press the [ENTER] key on the remote commander.
- 3) Is starts the aging.
During aging, the disc number, operating status and repeat cycle are displayed. Aging can be aborted at any time by pressing the [■] key. After the operation is stopped, press the [■] key or [RETURN] key aging to return to the Aging Test MENU.

4. EMERGENCY HISTORY

On the Test Mode Menu screen, selecting [4] displays the information such as servo emergency history.
The history information from last 1 up to 10 can be scrolled with the [↑] key or [↓] key. Also, specific information can be displayed by directly entering that number with ten keys.

EMG. History

	Laser	Hours	CD	xxxxhxxm
	DVD		xxxxhxxm	
a.	bb	xx xx xx	xx xx xx xx	
		xx xx xx xx	xx xx xx xx	
a.	bb	xx xx xx	xx xx xx xx	
		xx xx xx xx	xx xx xx xx	
Select:1-9			Scroll:UP/DOWN	
(1.Latest EMG.)			Exit: RETURN	

xxxxhxxm: The laser on total hours. Data below minutes are omitted.

a. : Error number.
bb : Error code.
xx : Not used.

• Clearing History Information

Clearing laser hours:

Press the [DVD DISPLAY] and [CLEAR] keys in this order.
Then both CD and DVD data are cleared.

Clearing emergency history:

Press the [DVD TOP MENU] and [CLEAR] keys in this order.

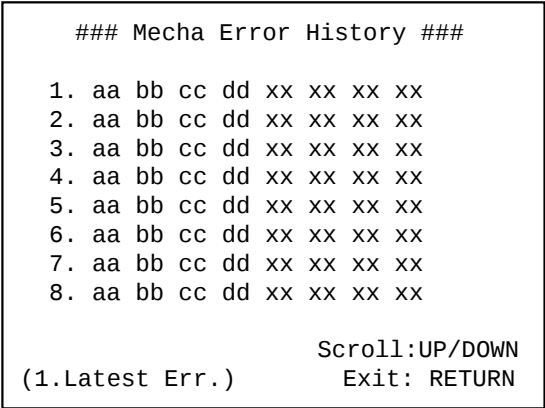
Initializing set up data:

Press [DVD MENU] and [CLEAR] keys in this order.
The data have been initialized when "Set Up Initialized" message is displayed. The EMG. History screen will be restored soon.

- Code list of Emergency History
 - 10: Communication to RF AMP (IC001) failed.
 - 11: Each servo for focus, tracking, and spindle is unlocked.
 - 12: Check sum error of EEPROM (IC203).
 - 14: Communication to servo DSP (IC401) failed, or servo DSP decoder (IC801) is faulty.
 - 15: Communication to DVD decoder (IC701) failed, or DVD decoder (IC801) is faulty.
 - 16: Communication to DSD decoder (IC801) failed, or DSD decoder (IC801) is faulty.
 - 20: Initialization of sled servo failed. It is not placed in the initial position.
 - 23: Sled servo operation error.
 - 24: Made a request to move the sled servo to wrong position.
 - 30: Tracking balance adjustment error.
 - 31: Tracking gain adjustment error.
 - 33: Focus bias adjustment error.
 - 34: Focus gain adjustment error.
 - 35: Equalizer adjustment error.
 - 40: Focus servo does not operate.
 - 41: With a DVD dual layer disc, focus jump failed.
 - 50: CLV (spindle) servo does not operate.
 - 51: Spindle does not stop.
 - 60: Made a request to seek nonexistent address.
 - 61: Seek error of retry more than regulated times.
 - 70: Control data could not be read.
 - 80: Disc reading failed.

5. MECHA ERROR HISTORY

On the Test Mode Menu screen, selecting [5] displays the information of mechanism deck error history.
The history information from last 1 up to 8 can be scrolled with the [up] key or [down] key. Also, specific information can be displayed by directly entering that number with ten keys.



aa : The error in the midst of initializing the mechanism deck.
bb : The error in the midst of loading operation.
cc : The error in the midst of up/down the stocker.
dd : The error in the midst of switching the mechanism deck mode.
xx : Not used.

- Error code (aa)
 - FF : Complete the initializing. (normal operation)
 - 11 : Stocker movement (to chucking position) failing in the midst of initializing the mechanism deck.
 - 12 : Stocker movement (to chucking position) failing in the midst of initializing the mechanism deck.
 - 1x : Initializing the mechanism deck.
 - 2x : Initializing the mechanism deck.
 - 3x : Initializing the mechanism deck.
 - 41 : Disc eject failing in the midst of initializing the mechanism deck.
 - 4x : Initializing the mechanism deck.
 - 50 : Disc eject failing in the midst of initializing the mechanism deck.
 - 5x : Initializing the mechanism deck.
 - A2 : Disc eject failing in the midst of initializing the mechanism deck.
 - Ax : Initializing the mechanism deck.
 - D3 : Disc eject failing in the midst of initializing the mechanism deck.
 - Dx : Initializing the mechanism deck.
 - Ex : Initializing the mechanism deck.
- Error code (bb)
 - 00 : Initializing the mechanism deck.
 - 10 : Retry over of eject and loading.
 - 30 : Open operation in no disc status.
 - 60 : Retry over of eject and loading.
 - 70 : Disc is chucking position.
 - 81 : Retry failed of disc movement from chucking position to stocker.
 - 83 : Retry preparation failed of disc movement from chucking position to stocker.
 - 90 : Disc is stored in the stocker.
 - A1 : Retry failed of disc movement from stocker to chucking position.
 - A3 : Retry preparation failed of disc movement from stocker to chucking position.
 - B0 : Just before the release operation.
 - B1 : Retry failed of the release operation.

- Error code (cc)
 - 10 : Under a stop.
 - 22 : Retry preparation failed.
 - 23 : Retry failed.

- Error code (dd)
 - 10 : Under a stop.
 - 22 : Retry preparation failed.
 - 23 : Retry failed.

SECTION 5 DIAGRAMS

5-1. IC PIN FUNCTION DESCRIPTION

• DVD BOARD IC301 CXP973064-233R (MECHANISM CONTROLLER)

Pin No.	Pin Name	I/O	Pin Description
1	EEP SO	O	Not used. (Open)
2	SDEN	O	Serial data enable signal output to DVD/CD RF amplifier
3	DOCTRL/ ISBTST	O	Digital out on/off control signal output to the digital signal processor “L”: digital out off, “H”: digital out on
4	EEP WC	O	Not used. (Open)
5	EEP SI	I/O	Two-way data bus with the EEPROM
6	EEP RDY	I	EEPROM ready signal input from the DVD decoder
7	FCS JMP 1	O	Focus jump 1 signal output to the motor/coil driver
8	FCS JMP 2	O	Focus jump 2 signal output to the motor/coil driver
9	SENS CD	I	Internal status (SENSE) signal input from the digital signal processor
10	LOAD +	O	Loading motor drive signal (loading in direction) output terminal Not used. (Open)
11	LOAD –	O	Loading motor drive signal (loading out direction) output terminal Not used. (Open)
12	XCS DVD	O	Chip select signal output to the DVD decoder
13	VSS	—	Ground terminal (digital system)
14 to 21	D0 to D7	I/O	Two-way data bus with the DVD decoder
22	INIT0 DVD	I	Interrupt signal input from the DVD decoder
23	INIT1 DVD	I	Interrupt signal input from the DVD decoder
24	FCOMP H	O	Serial data transfer clock signal output to the DSD decoder
25	FCOMP L	O	Reset signal output to the DVD decoder “L”: reset
26	SCOR	I	Subcode sync (S0+S1) detection signal input from the digital signal processor
27	LAT CD	O	Serial data latch pulse signal output to the digital signal processor
28	LD ON	O	Laser diode on/off control signal output to the DVD/CD RF amplifier “L”: laser diode off, “H”: laser diode on
29	MIRR	I	Mirror signal input from the digital signal processor
30	COUT CD	I	Numbers of track counted signal input from the digital signal processor
31	INLIM	I	Detection signal input from limit in switch The optical pick-up is inner position when “H”
32	CS ZIVA	O	Chip select signal output to the DVD system processor
33	SI ZIVA	I	Serial data input from the DVD system processor
34	SO ZIVA	O	Serial data output to the DVD system processor
35	SCK ZIVA	O	Serial data transfer clock signal output to the DVD system processor
36	DRVIRQ	O	Interrupt request signal output to the DVD system processor
37	DRVRDY	O	Ready signal output to the DVD system processor
38	$\overline{\text{RST}}$	I	System reset signal input from the DVD system processor “L”: reset
39	VSS	—	Ground terminal (digital system)
40	XTAL	I	System clock input terminal (20 MHz)
41	EXTAL	O	System clock output terminal (20 MHz)
42	VDD	—	Power supply terminal (+3.3 V) (digital system)
43, 44	SLED A, SLED B	O	Sled motor drive signal output
45	SCK DSD	O	Output terminal for offset adjustment of APEO
46	SDOUT DSD	O	Serial data output to the DSD decoder
47	SDIN DSD	I	Serial data input from the DSD decoder
48	$\overline{\text{READY DSD}}$	I	Ready signal input from the DSD decoder “L”: ready
49	DATA CD	O	Serial data output to the digital signal processor
50	CLOK CD	O	Serial data transfer clock signal output to the digital signal processor
51	XMSLAT	O	Serial data latch pulse signal output to the DSD decoder
52	SQSO	I	Subcode Q data input from the digital signal processor

Pin No.	Pin Name	I/O	Pin Description
53	MUTE DSD	O	Muting on/off control signal output to the DSD decoder “H”: muting on
54	SQCK	O	Subcode Q data reading clock signal output to the digital signal processor
55	VSS	—	Ground terminal (digital system)
56	TRAY IN	I	Disc tray in detection signal input terminal Not used. (Fixed at “L” in this set.)
57	TRAY OUT	I	Disc tray out detection signal input terminal Not used. (Fixed at “L” in this set.)
58	GFS DVD	I	Guard frame sync signal input from the DVD decoder
59	MUTE CD	O	Muting on/off control signal output to the digital signal processor “H”: muting on
60	MUTE 2D	O	Muting on/off control signal output to the motor/coil driver “H”: muting on
61	SLED	I	Sled motor servo drive PWM signal input terminal
62	FG	I	Spindle motor control signal input
63	SP ON	O	Muting on/off control signal output to the motor/coil driver “H”: muting on
64	JIT	I	Jitter signal input
65	TE	I	Tracking error signal input from the DVD/CD RF amplifier
66	PI	I	Pull in signal input from the DVD/CD RF amplifier
67	FE	I	Focus error signal input from the DVD/CD RF amplifier
68	AVSS	—	Ground terminal (for A/D converter)
69	AVREF	I	Reference voltage input terminal (for A/D converter)
70	AVDD	—	Power supply terminal (+3.3 V) (for A/D converter)
71	GFS CD	I	Guard frame sync signal input from the digital signal processor
72	SCLK CD	O	SENSE serial data reading clock signal output to the digital signal processor
73	TSD M	O	Thermal shut down signal output to the motor/coil driver
74	FOK CD	I	Focus OK signal input from the digital signal processor
75	LOCK CD	I	GFS is sampled by 460 Hz “H” input when GFS is “H”
76	LDSEL	O	Laser diode selection signal output
77	SACD/DVD	O	SACD/DVD selection signal output “L”: DVD, “H”: SACD
78	I2C SIO	I/O	Communication data bus with the DVD system processor and system controller
79	I2C SCL	I/O	Communication data reading clock signal input or transfer clock signal output with the DVD system processor and system controller
80	RXD	I	Serial data input from the RS-232C (for check)
81	TXD	O	Serial data output to the RS-232C (for check)
82	SDCLK RF	O	Serial data transfer clock signal output to the DVD/CD RF amplifier
83	SDATA RF	I/O	Two-way data bus with the DVD/CD RF amplifier
84	XWR	O	Write strobe signal output to the DVD decoder
85	XRD	O	Read strobe signal output to the DVD decoder
86	(PWE)	—	Not used.
87	VDD	—	Power supply terminal (+3.3 V) (digital system)
88	VSS	—	Ground terminal (digital system)
89 to 96	A0 to A7	O	Address signal output to the DVD decoder
97	A8	O	Motor/coil driver power save control signal output terminal
98	XDRST	O	Reset signal output to the digital signal processor and DSD decoder “L”: reset
99	EEP WP	O	Write protect signal output to the EEPROM
100	EEP CLK	O	Clock signal output to the EEPROM

• DVD BOARD IC401 CXD3068Q (DIGITAL SIGNAL PROCESSOR, DIGITAL SERVO PROCESSOR)

Pin No.	Pin Name	I/O	Pin Description
1	DVDD0	—	Power supply terminal (+3.3 V) (digital system)
2	XRST	I	Reset signal input from the mechanism controller “L”: reset
3	MUTE	I	Muting on/off control signal input from the mechanism controller “H”: muting on
4	DATA	I	Serial data input from the mechanism controller
5	XLAT	I	Serial data latch pulse signal input from the mechanism controller
6	CLOCK	I	Serial data transfer clock signal input from the mechanism controller
7	SENS	O	Internal status (SENSE) signal output to the mechanism controller
8	SCLK	I	SENSE serial data reading clock signal input from the mechanism controller
9	ATSK	I/O	Input/output terminal for anti-shock Not used.
10	WFCK	O	Write frame clock signal output to the DVD decoder
11	RFCK	O	RFCK signal output terminal Not used.
12	XPCK	O	XPCK signal output terminal Not used.
13	GFS	O	Guard frame sync signal output to the mechanism controller
14	C2PO	O	C2 pointer signal output to the DVD decoder
15	SCOR	O	Subcode sync (S0+S1) detection signal output to the DVD decoder and mechanism controller
16	C4M	O	4.2336 MHz clock signal output terminal Not used.
17	WDCK	O	Guard subcode sync (S0+S1) detection signal output to the DVD decoder
18	DVSS0	—	Ground terminal (digital system)
19	COUT	O	Numbers of track counted signal output to the mechanism controller
20	MIRR	O	Mirror signal output to the mechanism controller
21	DFCT	I/O	Defect signal input/output terminal Not used.
22	FOK	O	Focus OK signal output to the mechanism controller
23	PWMI	I	Spindle motor external control signal input terminal Not used.
24	LOCK	O	GFS is sampled by 460 Hz “H” output when GFS is “H”.
25	MDP	O	Spindle motor servo drive signal output to the DVD decoder
26	SSTP	I	Detection signal input from limit in switch The optical pick-up is inner position when “H”
27	FSTO	O	2/3 divider output terminal Not used.
28	DVDD1	—	Power supply terminal (+3.3 V) (digital system)
29	SFDR	O	Sled servo drive PWM signal (+) output
30	SRDR	O	Sled servo drive PWM signal (–) output
31	TFDR	O	Tracking servo drive PWM signal (+) output
32	TRDR	O	Tracking servo drive PWM signal (–) output
33	FFDR	O	Focus servo drive PWM signal (+) output
34	FRDR	O	Focus servo drive PWM signal (–) output
35	DVSS1	—	Ground terminal (digital system)
36	TEST	I	Input terminal for the test
37	TES1	I	Input terminal for the test
38	VC	I	Middle point voltage (+1.65 V) input terminal
39	FE	I	Focus error signal input from the DVD/CD RF amplifier
40	SE	I	Sled error signal input from the DVD/CD RF amplifier
41	TE	I	Tracking error signal input from the DVD/CD RF amplifier
42	CE	I	Middle point servo analog signal input
43	RFDC	I	RF signal input from the DVD/CD RF amplifier
44	ADIO	O	Output terminal for the test Not used.
45	AVSS0	—	Ground terminal (analog system)
46	IGEN	I	Stabilized current input for operational amplifiers

Pin No.	Pin Name	I/O	Pin Description
47	AVDD0	—	Power supply terminal (+3.3 V) (analog system)
48	ASYO	O	EFM full-swing output terminal
49	ASYI	I	Asymmetry comparator voltage input terminal
50	RFAC	I	EFM signal input from the DVD/CD RF amplifier
51	AVSS1	—	Ground terminal (analog system)
52	CLTV	I	Internal VCO control voltage input terminal
53	FILO	O	Filter output for master PLL
54	FILI	I	Filter input for master PLL
55	PCO	O	Charge pump output for master PLL
56	AVDD1	—	Power supply terminal (+3.3 V) (analog system)
57	BIAS	I	Asymmetry circuit constant current input terminal
58	VCTL	I	VCO control voltage input terminal for the wideband EFM PLL Not used.
59	V16M	O	VCO oscillation output terminal for the wideband EFM PLL Not used.
60	VPCO	O	Charge pump output terminal for the wideband EFM PLL Not used.
61	DVDD2	—	Power supply terminal (+3.3 V) (digital system)
62	ASYE	I	Asymmetry circuit on/off control signal input terminal “L”: off, “H”: on Not used.
63	MD2	I	Digital out on/off control signal input from the mechanism controller “L”: digital out off, “H”: digital out on
64	DOUT	O	Digital audio signal output to the digital audio interface IC
65	LRCK	O	L/R sampling clock signal (44.1 kHz) output to the DVD decoder
66	PCMD	O	Serial data output to the DVD decoder
67	BCK	O	Bit clock signal (2.8224 MHz) output to the DVD decoder
68	EMPH	O	“L” is output when playback disc is emphasis off “H” is output when playback disc is emphasis on Not used.
69	XTSL	I	Input terminal for the system clock frequency setting “L”: 16.9344 MHz, “H”: 33.8688 MHz Fixed at “H” in this set.
70	DVSS2	—	Ground terminal (digital system)
71	XTAI	I	System clock input terminal (33.8688 MHz)
72	XTAO	O	System clock output terminal (33.8688 MHz) Not used.
73	SOUT	O	Serial data output terminal Not used.
74	SOCK	O	Serial data reading clock signal output terminal Not used.
75	XOLT	O	Serial data latch pulse signal output terminal Not used.
76	SQSO	O	Subcode Q data output to the mechanism controller
77	SQCK	I	Subcode Q data reading clock signal input from the mechanism controller
78	SCSY	I	Input terminal for resynchronism of guard subcode sync (S0+S1) Not used.
79	SBSO	O	Subcode serial data output to the DVD decoder
80	EXCK	I	Subcode serial data reading clock signal input to the DVD decoder

• DVD BOARD IC607 CXD9617R (AUDIO DIGITAL SIGNAL PROCESSOR)

Pin No.	Pin Name	I/O	Pin Description
1	VSS	—	Ground terminal
2	XRST	I	Reset signal input from the system controller “L”: reset
3	EXTIN	I	Master clock signal input terminal Not used. (Fixed at “L” in this set.)
4	FS2	I	Sampling frequency selection signal input terminal Not used. (Fixed at “L” in this set.)
5	VDDI	—	Power supply terminal (+2.6 V)
6	FS1	I	Sampling frequency selection signal input terminal Not used. (Fixed at “L” in this set.)
7	PLOCK	O	Internal PLL lock signal output terminal Not used. (Open)
8	VSS	—	Ground terminal
9	MCLK1	I	System clock signal input terminal (13.5 MHz)
10	VDDI	—	Power supply terminal (+2.6 V)
11	VSS	—	Ground terminal
12	MCLK2	O	System clock signal output terminal (13.5 MHz)
13	MS	I	Master/slave selection signal input terminal “L”: slave, “H”: master (fixed at “L” in this set.)
14	SCKOUT	O	Internal system clock signal output to the D/A converter and stream processor
15	LRCKI1	I	L/R sampling clock signal (44.1 kHz) input from the digital audio processor
16	VDDE	—	Power supply terminal (+3.3 V)
17	BCKI1	I	Bit clock signal (2.8224 MHz) input from the digital audio processor
18	SDI1	I	Front L-ch and R-ch audio serial data input from the digital audio processor
19	LRCKO	O	L/R sampling clock signal (44.1 kHz) output to the D/A converter and stream processor
20	BCKO	O	Bit clock signal (2.8224 MHz) output to the D/A converter and stream processor
21	VSS	—	Ground terminal
22	KFSIO	I	Audio clock signal (11.2896 MHz) input from the digital audio processor
23	SDO1	O	Front L-ch and R-ch audio serial data output to the stream processor
24	SDO2	O	Center and woofer audio serial data output to the stream processor
25	SDO3	O	Rear L-ch and R-ch audio serial data output to the stream processor
26	SDO4	O	Audio serial data output to the D/A converter
27	SPDIF	O	S/PDIF signal output terminal Not used. (Open)
28	LRCKI2	I	L/R sampling clock signal (44.1 kHz) input from the A/D converter
29	BCKI2	I	Bit clock signal (2.8224 MHz) input from the A/D converter
30	SDI2	I	Center and woofer audio serial data input from the digital audio processor
31	VSS	—	Ground terminal
32	HACN	O	Acknowledge signal output to the system controller
33	HDIN	I	Write data input from the system controller
34	HCLK	I	Clock signal input from the system controller
35	HDOUT	O	Read data output to the system controller
36	HCS	I	Chip select signal input from the system controller
37	SDCLK	O	Clock signal output terminal Not used. (Open)
38	CLKEN	O	Clock enable signal output terminal Not used. (Open)
39	RAS	O	Row address strobe signal output terminal Not used. (Open)
40	VDDI	—	Power supply terminal (+2.6 V)
41	VSS	—	Ground terminal
42	CAS	O	Column address strobe signal output terminal Not used. (Open)
43	DQM	O	Output terminal of data input/output mask Not used. (Open)
44	CS0	O	Chip select signal output to the S-RAM
45	WE0	O	Write enable signal output to the S-RAM

Pin No.	Pin Name	I/O	Pin Description
46	VDDE	—	Power supply terminal (+3.3 V)
47	WMD1	I	S-RAM wait mode setting terminal Fixed at “H” in this set
48	VSS	—	Ground terminal
49	WMD0	I	S-RAM wait mode setting terminal Fixed at “L” in this set
50	PAGE2	O	Page selection signal output terminal Not used. (Open)
51	VSS	—	Ground terminal
52, 53	PAGE1, PAGE0	O	Page selection signal output terminal Not used. (Open)
54	BOOT	I	Boot mode control signal input terminal Not used. (Fixed at “L” in this set.)
55	BTACT	O	Boot mode state display signal output terminal Not used. (Open)
56	BST	I	Boot trap signal input from the system controller
57	MOD1	I	PLL input frequency selection signal input terminal “L”: 384fs, “H”: 256fs (fixed at “H” in this set)
58	MOD0	I	Mode setting terminal “L”: single chip mode, “H”: use prohibition (fixed at “L” in this set)
59	EXLOCK	I	PLL lock error and data error flag input from the digital audio interface IC
60	VDDI	—	Power supply terminal (+2.6 V)
61	VSS	—	Ground terminal
62, 63	A17, A16	O	Address signal output terminal Not used. (Open)
64 to 66	A15 to A13	O	Address signal output to the S-RAM
67	GP10	O	L/R sampling clock signal (44.1 kHz) output to the D/A converter and stream processor
68	GP9	O	Decode signal output to the system controller
69	GP8	I	Bit 1 input terminal of channel status from the digital audio interface IC
70	VDDI	—	Power supply terminal (+2.6 V)
71	VSS	—	Ground terminal
72 to 75	D15 to D12	I/O	Two-way data bus with the S-RAM
76	VDDE	—	Power supply terminal (+3.3 V)
77 to 80	D11 to D8	I/O	Two-way data bus with the S-RAM
81	VSS	—	Ground terminal
82 to 85	A9, A12 to A10	O	Address signal output to the S-RAM
86	TDO	O	Simple emulation data output terminal Not used. (Open)
87	TMS	I	Simple emulation data input start/end detection signal input terminal Not used. (Open)
88	XTRST	I	Simple emulation asynchronous break input terminal Not used. (Open)
89	TCK	I	Simple emulation clock signal input terminal Not used. (Open)
90	TDI	I	Simple emulation data input terminal Not used. (Open)
91	VSS	—	Ground terminal
92 to 97	A8 to A3	O	Address signal output to the S-RAM
98, 99	D7, D6	I/O	Two-way data bus with the S-RAM
100	VDDI	—	Power supply terminal (+2.6 V)
101	VSS	—	Ground terminal
102 to 105	D5 to D2	I/O	Two-way data bus with the S-RAM
106	VDDE	—	Power supply terminal (+3.3 V)
107, 108	D1, D0	I/O	Two-way data bus with the S-RAM
109, 110	A2, A1	O	Address signal output to the S-RAM
111	VSS	—	Ground terminal
112	A0	O	Address signal output to the S-RAM
113	PM	I	PLL reset signal input from the system controller “L”: reset
114	SDI3	I	Rear L-ch and R-ch audio serial data input from the digital audio processor

Pin No.	Pin Name	I/O	Pin Description
115	SDI4	I	Audio serial data input terminal Not used. (Fixed at “L” in this set.)
116	SYNC	I	Synchronous/asynchronous selection signal input terminal “L”: synchronous, “H”: asynchronous (fixed at “H” in this set)
117 to 119	VSS	—	Ground terminal
120	VDDI	—	Power supply terminal (+2.6 V)

• DVD BOARD IC701 CXD1882R (DVD DECODER)

Pin No.	Pin Name	I/O	Pin Description
1, 2	D5, D6	I/O	Two-way data bus with the mechanism controller
3	VSS	—	Ground terminal (digital system)
4	D7	I/O	Two-way data bus with the mechanism controller
5	A0	I	Address signal input from the mechanism controller
6	VDD	—	Power supply terminal (+3.3 V) (digital system)
7	A1	I	Address signal input from the mechanism controller
8	VDD5V	—	Power supply terminal (+5 V)
9 to 14	A2 to A7	I	Address signal input from the mechanism controller
15	VSS	—	Ground terminal (digital system)
16	XWAIT	O	Wait signal output terminal Not used. (Open)
17	XRD	I	Read strobe signal input from the mechanism controller
18	XWR	I	Write strobe signal input from the mechanism controller
19	XCS	I	Chip select signal input from the mechanism controller
20, 21	XINT0, XINT1	O	Interrupt signal output to the mechanism controller
22	VDD	—	Power supply terminal (+3.3 V) (digital system)
23	XHRS	I	Not used. (Open)
24	HDB7	O	Stream data signal output to the DSD decoder and DVD system processor
25	VSS	—	Ground terminal (digital system)
26	HDB8	O	Error flag signal output to the DSD decoder and DVD system processor
27	HDB6	O	Stream data signal output to the DSD decoder and DVD system processor
28	VDDS	—	Power supply terminal (+5 V) (digital system)
29	HDB9	O	Not used. (Open)
30	HDB5	O	Stream data signal output to the DSD decoder and DVD system processor
31	HDBA	O	Not used. (Open)
32	HDB4	O	Stream data signal output to the DSD decoder and DVD system processor
33	VSS	—	Ground terminal (digital system)
34	HDBB	O	Not used. (Open)
35	HDB3	O	Stream data signal output to the DSD decoder and DVD system processor
36	VDD	—	Power supply terminal (+3.3 V) (digital system)
37	HDBC	O	Not used. (Open)
38	VDDS	—	Power supply terminal (+5 V) (digital system)
39	HDB2	O	Stream data signal output to the DSD decoder and DVD system processor
40	HDBD	O	Not used. (Open)
41	HDB1	O	Stream data signal output to the DSD decoder and DVD system processor
42	VSS	—	Ground terminal (digital system)
43	HDBE	O	Not used. (Open)
44	HDB0	O	Stream data signal output to the DSD decoder and DVD system processor
45	HDBF	O	Not used. (Open)
46	XSAK	O	Serial data effect flag signal output to the DSD decoder and DVD system processor
47	VDDS	—	Power supply terminal (+5 V) (digital system)
48	XDCK	O	Serial data transfer clock signal output to the DSD decoder and DVD system processor
49	XSHD	O	Header flag signal output to the DSD decoder
50	VDD	—	Power supply terminal (+3.3 V) (digital system)
51	REDY	O	Not used. (Fixed at “H” in this set.)
52	VSS	—	Ground terminal (digital system)

Pin No.	Pin Name	I/O	Pin Description
53	XSRQ	I	DVD mode: Serial data request signal input from the DVD system processor SACD mode: Serial data request signal input from the DSD decoder
54	HINT	O	Not used. (Fixed at “H” in this set.)
55	XS16	O	Not used. (Fixed at “H” in this set.)
56	HA1	I	Not used. (Fixed at “H” in this set.)
57	XPDI	I/O	Not used. (Fixed at “H” in this set.)
58	VDDS	—	Power supply terminal (+5 V) (digital system)
59, 60	HA0, HA2	I	Not used. (Fixed at “H” in this set.)
61	VSS	—	Ground terminal (digital system)
62, 63	HCS0, HCS1	I	Not used. (Open)
64	VDD	—	Power supply terminal (+3.3 V) (digital system)
65	DASP	I/O	Not used. (Open)
66 to 69	MDB0 to MDB3	I/O	Two-way data bus with the D-RAM
70	VSS	—	Ground terminal (digital system)
71	MDB4	I/O	Two-way data bus with the D-RAM
72	VDD5V	—	Power supply terminal (+5 V)
73 to 75	MDB5 to MDB7	I/O	Two-way data bus with the D-RAM
76	XMWR	O	Write enable signal output to the D-RAM
77	VDD	—	Power supply terminal (+3.3 V) (digital system)
78	XRAS	O	Row address strobe signal output to the D-RAM
79, 80	MA0, MA1	O	Address signal output to the D-RAM
81	VSS	—	Ground terminal (digital system)
82 to 87	MA2 to MA7	O	Address signal output to the D-RAM
88	VDD	—	Power supply terminal (+3.3 V) (digital system)
89	MA8	O	Address signal output to the D-RAM
90	VSS	—	Ground terminal (digital system)
91	MA9	O	Address signal output to the D-RAM
92	MNT1	O	EEPROM ready signal output to the mechanism controller
93	MNT2	O	Operation clock signal output for PSP physical disc mark detection to DSD decoder
94	XMOE	O	Output enable signal output to the D-RAM
95	XCAS	O	Column address strobe signal output to the D-RAM
96, 97	MDB8, MDB9	I/O	Two-way data bus with the D-RAM
98	VSS	—	Ground terminal (digital system)
99	MDBA	I/O	Two-way data bus with the D-RAM
100	VDD	—	Power supply terminal (+3.3 V) (digital system)
101, 102	MDBB, MDBC	I/O	Two-way data bus with the D-RAM
103	VDD5V	—	Power supply terminal (+5 V)
104 to 106	MDBD to MDBF	I/O	Two-way data bus with the D-RAM
107	GFS	O	Guard frame sync signal output to the mechanism controller
108	VSS	—	Ground terminal (digital system)
109	APEO	O	Absolute phase error signal output
110	VDD	—	Power supply terminal (+3.3 V) (digital system)
111	DASYO	O	RF binary signal output
112	GND A5	—	Ground terminal (analog system)
113, 114	ASF1, ASF2	—	Filter connected terminal for selection the constant asymmetry compensation
115	DASY1	I	Analog signal input after integrated the RF binary signal

Pin No.	Pin Name	I/O	Pin Description
116	RFDCC	I	Input terminal for adjusting DC cut high-pass filter for RF signal Not used.
117	RFIN	I	RF signal input from the DVD/CD RF amplifier
118, 119	VCCA5, VCCA4	—	Power supply terminal (+3.3 V) (analog system)
120	VCOR1	—	VCO oscillating range setting resistor connected terminal
121	VCOIN	I	VCO input terminal
122, 123	GNDA4, GNDA3	—	Ground terminal (analog system)
124	LPF5	O	Signal output from the operation amplifier from PLL loop filter
125	VC1	I	Middle point voltage (+1.65 V) input terminal
126, 127	LPF2, LPF1	I	Inverted signal input to the operation amplifier from PLL loop filter
128, 129	VCCA3, VCCA2	—	Power supply terminal (+3.3 V) (analog system)
130	PDO	O	Signal output from the charge pump for phase comparator
131	PDHVCC	I	Middle point voltage input terminal for RF PLL
132	FDO	O	Signal output from the charge pump for frequency comparator
133, 134	GNDA2, GNDA1	—	Ground terminal (analog system)
135	SPO	O	Spindle motor control signal output
136	VC2	I	Middle point voltage (+1.65 V) input terminal
137	MDIN2	I	Spindle motor servo drive signal input
138	MDIN1	I	MDP input terminal
139	VCCA1	—	Power supply terminal (+3.3 V) (analog system)
140	CLVS	O	Control signal output for selection the spindle control filter constant at CLVS
141	VSS	—	Ground terminal (digital system)
142	MDSOUT	O	Frequency error output terminal of internal CLV circuit
143	VDD	—	Power supply terminal (+3.3 V) (digital system)
144	MDPOUT	O	Phase error output terminal of internal CLV circuit
145	DFCT	I	Defect signal input terminal Not used. (Fixed at “L” in this set.)
146	GSCOR	I	Guard subcode sync (S0+S1) detection signal input from the digital signal processor
147	EXCK	O	Subcode serial data reading clock signal output to the digital signal processor
148	SBIN	I	Subcode serial data input from the digital signal processor
149	VSS	—	Ground terminal (digital system)
150	SCOR	I	Subcode sync (S0+S1) detection signal input from the digital signal processor
151	WFCCK	I	Write frame clock signal input from the digital signal processor
152	VDD5V	—	Power supply terminal (+5 V)
153	XRCI	I	RAM overflow signal input terminal Not used. (Fixed at “L” in this set.)
154	VDDS	—	Power supply terminal (+5 V) (digital system)
155	C2PO	I	C2 pointer signal input from the digital signal processor
156	VDD	—	Power supply terminal (+3.3 V) (digital system)
157	DBCK	O	Bit clock signal (2.8224 MHz) output terminal Not used. (Open)
158	BCLK	I	Bit clock signal (2.8224 MHz) input from the digital signal processor
159	DDAT	O	PCM data output terminal Not used. (Open)
160	MDAT	I	Serial data input from the digital signal processor
161	VSS	—	Ground terminal (digital system)
162	DLRC	O	L/R sampling clock signal (44.1 kHz) output terminal Not used. (Open)
163	LRCK	I	L/R sampling clock signal (44.1 kHz) input from the digital signal processor
164	XRST	I	Reset signal input from the mechanism controller “L”: reset
165	IFS0	I	Interface selection signal input terminal Fixed at “L” in this set.
166	IFS1	I	Interface selection signal input terminal Fixed at “H” in this set.

Pin No.	Pin Name	I/O	Pin Description
167	XTAL	I	33.8688 MHz clock signal input terminal
168	VSS	—	Ground terminal (digital system)
169	XTL2	O	System clock output terminal (33.8688 MHz)
170	XTL1	I	System clock input terminal (33.8688 MHz)
171	VDD	—	Power supply terminal (+3.3 V) (digital system)
172 to 176	D0 to D4	I/O	Two-way data bus with the mechanism controller

• DVD BOARD IC801 CXD2752R (DSD DECODER)

Pin No.	Pin Name	I/O	Pin Description
1	VSCA0	—	Ground terminal (for core)
2	XMSLAT	I	Serial data latch pulse signal input from the mechanism controller
3	MSCK	I	Serial data transfer clock signal input from the mechanism controller
4	MSDATI	I	Serial data input from the mechanism controller
5	VDCA0	—	Power supply terminal (+2.5 V) (for core)
6	MSDATO	O	Serial data output to the mechanism controller
7	MSREADY	O	Ready signal output to the mechanism controller “L”: ready
8	XMSDOE	O	Serial data output enable signal output terminal Not used. (Open)
9	XRST	I	Reset signal input from the mechanism controller “L”: reset
10	SMUTE	I	Soft muting on/off control signal input from the mechanism controller “H”: muting on
11	MCKI	I	Master clock signal (33.8688 Mhz) input
12	VSIOA0	—	Ground terminal (for I/O)
13	EXCKO1	O	Master clock signal (33.8688 MHz) output to the digital audio processor
14	EXCKO2	O	External clock 2 signal output terminal Not used. (Open)
15	LRCK	O	L/R sampling clock signal (44.1 kHz) output terminal Not used. (Open)
16	F75HZ	O	Not used. (Open)
17	VDIOA0	—	Power supply terminal (+3.3 V) (for I/O)
18 to 25	MNT0 to MNT7	O	Monitor signal output terminal Not used. (Open)
26	TCK	I	Clock signal input from the DVD system processor
27	TDI	I	Serial data input from the DVD system processor
28	VSCA1	—	Ground terminal (for core)
29	TDO	O	Serial data output to the DVD system processor
30	TMS	I	MS signal input from the DVD system processor
31	TRST	I	Reset signal input from the DVD system processor “L”: reset
32 to 34	TEST1 to TEST3	I	Input terminal for the test (normally: fixed at “L”)
35	VDCA1	—	Power supply terminal (+2.5 V) (for core)
36	UBIT	O	Not used. (Open)
37	XBIT	O	Not used. (Open)
38 to 41	SUPDT0 to SUPDT3	O	Supplementary data output terminal Not used. (Open)
42	VSIOA1	—	Ground terminal (for I/O)
43, 44	SUPDT4, SUPDT5	O	Supplementary data output terminal Not used. (Open)
45	VDIOA1	—	Power supply terminal (+3.3 V) (for I/O)
46, 47	SUPDT6, SUPDT7	O	Supplementary data output terminal Not used. (Open)
48	SUPEN	O	Supplementary data enable signal output terminal Not used. (Open)
49	VSCA2	—	Ground terminal (for core)
50	NC	O	Not used. (Open)
51, 52	TEST4, TEST5	I	Input terminal for the test (normally: fixed at “L”)
53	NC	O	Not used. (Open)
54	VDCA2	—	Power supply terminal (+2.5 V) (for core)
55, 56	NC	O	Not used. (Open)
57	BCKASL	I	Input/output selection signal input terminal of bit clock signal (2.8224 MHz) for DSD data output “L”: input (slave), “H”: output (master) Fixed at “H” in this set.
58	VSDSD0	—	Ground terminal (for DSD data output)
59	BCKAI	I	Bit clock signal (2.8224 MHz) input terminal for DSD data output Not used. (Open)
60	BCKAO	O	Bit clock signal (2.8224 MHz) output terminal for DSD data output Not used. (Open)

Pin No.	Pin Name	I/O	Pin Description
61	PHREFI	I	Bit clock signal (2.8224 MHz) input terminal for DSD data output Not used. (Open)
62	PHREFO	O	Bit clock signal (2.8224 MHz) output to the digital audio processor
63	ZDFL	O	Front L-ch Zero data flag detection signal output terminal Not used. (Open)
64	DSAL	O	Front L-ch DSD data output to the digital audio processor
65	ZDFR	O	Front R-ch Zero data flag detection signal output terminal Not used. (Open)
66	DSAR	O	Front R-ch DSD data output to the digital audio processor
67	VDDSD0	—	Power supply terminal (+3.3 V) (for DSD data output)
68	ZDFC	O	Center zero data flag detection signal output terminal Not used. (Open)
69	DSAC	O	Center DSD data output to the digital audio processor
70	ZDFLFE	O	Woofer zero data flag detection signal output terminal Not used. (Open)
71	DSALFE	O	Woofer DSD data output to the digital audio processor
72	VSDSD1	—	Ground terminal (for DSD data output)
73	ZDFLS	O	Rear L-ch zero data flag detection signal output terminal Not used. (Open)
74	DSALS	O	Rear L-ch DSD data output to the digital audio processor
75	ZDFRS	O	Rear R-ch zero data flag detection signal output terminal Not used. (Open)
76	DSARS	O	Rear R-ch DSD data output to the digital audio processor
77	VDDSD1	—	Power supply terminal (+3.3 V) (for DSD data output)
78, 79	IOUT0, IOUT1	O	Data output terminal for IEEE 1394 link chip interface Not used. (Open)
80	VSCB0	—	Ground terminal (for core)
81, 82	IOUT2, IOUT3	O	Data output terminal for IEEE 1394 link chip interface Not used. (Open)
83	VDCB0	—	Power supply terminal (+2.5 V) (for core)
84, 85	IOUT4, IOUT5	O	Data output terminal for IEEE 1394 link chip interface Not used. (Open)
86	VSI0B0	—	Ground terminal (for I/O)
87	IANCO	O	Transmission information data output terminal for IEEE 1394 link chip interface Not used. (Open)
88	IFULL	I	Data transmission hold request signal input terminal for IEEE 1394 link chip interface Not used. (Fixed at “L” in this set.)
89	IEMPTY	I	High speed transmission request signal input terminal for IEEE 1394 link chip interface Not used. (Fixed at “L” in this set.)
90	VDIOB0	—	Power supply terminal (+3.3 V) (for I/O)
91	IFRM	O	Frame reference signal output terminal for IEEE 1394 link chip interface Not used. (Open)
92	IOUTE	O	Enable signal output terminal for IEEE 1394 link chip interface Not used. (Open)
93	IBCK	O	Data transmission clock signal output terminal for IEEE 1394 link chip interface Not used. (Open)
94	VSCB1	—	Ground terminal (for core)
95	IERR	I	Not used. (Fixed at “H” in this set.)
96	IANCI	I	Not used. (Fixed at “L” in this set.)
97	IPLAN	I	Not used. (Fixed at “H” in this set.)
98	IHOLD	O	Not used. (Open)
99	VDCB1	—	Power supply terminal (+2.5 V) (for core)
100	IVLD	I	Not used. (Fixed at “H” in this set.)
101 to 105	IDIN0 to IDIN4	I	Not used. (Fixed at “H” in this set.)
106	VSI0B1	—	Ground terminal (for I/O)
107 to 109	IDIN5 to IDIN7	I	Not used. (Fixed at “L” in this set.)
110	VDIOB1	—	Power supply terminal (+3.3 V) (for I/O)
111 to 114	WAD0 to WAD3	I	External A/D data input terminal for PSP physical disc mark detection Not used. (Open)
115	TESTI	I	Input terminal for the test (normally: fixed at “L”)
116	VSCB2	—	Ground terminal (for core)
117 to 120	WAD4 to WAD7	I	External A/D data input terminal for PSP physical disc mark detection Not used. (Open)
121	VDCB2	—	Power supply terminal (+2.5 V) (for core)

Pin No.	Pin Name	I/O	Pin Description
122	WRFD	I	Not used. (Fixed at “L” in this set.)
123	WCK	I	Operation clock signal input for PSP physical disc mark detection from the DVD decoder
124, 125	WAVDD0, WAVDD1	—	A/D power supply terminal (+2.5 V) (for PSP physical disc mark detection)
126	WARFI	I	Analog RF signal input for PSP physical disc mark detection from the DVD/CD RF amplifier
127	WAVRB	I	A/D bottom reference terminal for PSP physical disc mark detection
128, 129	WAVSS1, WAVSS0	—	A/D ground terminal (for PSP physical disc mark detection)
130	VSIOA2	—	Ground terminal (for I/O)
131 to 134	DQ7 to DQ4	I/O	Two-way data bus with the SD-RAM
135	VDIOA2	—	Power supply terminal (+3.3 V) (for I/O)
136 to 139	DQ3 to DQ0	I/O	Two-way data bus with the SD-RAM
140	VSIOA3	—	Ground terminal (for I/O)
141	DCCLK	O	Clock signal output to the SD-RAM
142	DCKE	O	Clock enable signal output to the SD-RAM
143	XWE	O	Write enable signal output to the SD-RAM
144	XCAS	O	Column address strobe signal output to the SD-RAM
145	XRAS	O	Row address strobe signal output to the SD-RAM
146	VDIOA3	—	Power supply terminal (+3.3 V) (for I/O)
147	NC	O	Not used. (Open)
148, 149	A11, A10	O	Address signal output to the SD-RAM
150	VSCA3	—	Ground terminal (for core)
151, 152	A9, A8	O	Address signal output to the SD-RAM
153	VDCA3	—	Power supply terminal (+2.5 V) (for core)
154 to 157	A7 to A4	O	Address signal output to the SD-RAM
158	VSIOA4	—	Ground terminal (for I/O)
159 to 162	A3 to A0	O	Address signal output to the SD-RAM
163	VDIOA4	—	Power supply terminal (+3.3 V) (for I/O)
164	XSRQ	O	Serial data request signal output to the DVD decoder
165	XSHD	I	Header flag signal input from the DVD decoder
166	SDCK	I	Serial data transfer clock signal input from the DVD decoder
167	XSAK	I	Serial data effect flag signal input from the DVD decoder
168	SDEF	I	Error flag signal input from the DVD decoder
169 to 176	SD0 to SD7	I	Stream data signal input from the DVD decoder

• DVD BOARD IC901 μ PD703033BYGF-M14-3BA (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Pin Description
1	DAMP-DATA	O	Serial data output to the stream processors
2	DAMP-CLK	O	Serial data transfer clock signal output to the stream processors
3	I2C-DATA	I/O	Communication data bus with the DVD system processor and mechanism controller
4	$\overline{\text{CQ-RST}}$	O	Reset signal output to the DVD system processor "L": reset
5	I2C-CLK	I/O	Communication data reading clock signal input or transfer clock signal output with the DVD system processor and mechanism controller
6	DSP-DO	I	Write data input from the audio digital signal processor
7	DIG-DI	O	Read data output to the digital audio interface IC, audio digital signal processor and D/A converter
8	DIG-CLK	O	Clock signal output to the digital audio interface IC, audio digital signal processor and D/A converter
9	EVDD	—	Power supply terminal (+5 V)
10	EVSS	—	Ground terminal
11	P-PWM	O	PWM voltage control signal output
12	$\overline{\text{DSP-RST}}$	O	Reset signal output to the audio digital signal processor "L": reset
13	$\overline{\text{DSP-PM}}$	O	PLL reset signal output to the audio digital signal processor "L": reset
14	DSP-CS	O	Chip select signal output to the audio digital signal processor
15	DSP-HACN	I	Acknowledge signal input from to the audio digital signal processor
16	DSP-BST	O	Boot trap signal output to the audio digital signal processor
17	DSP-GP9	I	Decode signal input from to the audio digital signal processor
18	DIR-ZERO	I	Audio serial data input from the digital audio interface IC
19	DIR-ERR	I	PLL lock error and data error flag input from the digital audio interface IC
20	DIR-CE	O	Chip enable signal output to the digital audio interface IC
21	VPP	—	Power supply terminal (for programming)
22	DIR-XST	I	Source clock switching monitor input from the digital audio interface IC
23	DIR-AD	O	Source clock switching monitor input from the digital audio interface IC
24	DIR-XMODE	I	System reset signal input from the digital audio interface IC "L": reset
25	DIRDO	I	Write data input from the digital audio interface IC
26	$\overline{\text{DAMP-RST}}$	O	Reset signal output to the stream processors "L": reset
27	DAMP-MUTEG	O	Muting on/off control signal output to the stream processors "H": muting on
28	DAMP-MUTEN	O	Muting on/off control signal output to the stream processors "H": muting on
29	CS1	O	Chip select signal output to the stream processor (for front L-ch and R-ch)
30	CS2	O	Chip select signal output to the stream processor (for center and woofer)
31	CS3	O	Chip select signal output to the stream processor (for rear L-ch and R-ch)
32	DAC-CS	O	Chip select signal output to the D/A converter
33	$\overline{\text{AD-RST}}$	O	Reset signal output to the A/D converter and D/A converter "L": reset
34	$\overline{\text{RESET}}$	I	System reset signal input "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
35	XT1	I	Sub system clock input terminal Not used. (Open)
36	XT2	O	Sub system clock output terminal Not used. (Open)
37	REG0	—	Not used. (Open)
38	X2	O	Main system clock output terminal (20 MHz)
39	X1	I	Main system clock input terminal (20 MHz)
40	VSS	—	Ground terminal
41	VDD	—	Power supply terminal (+5 V)
42	CLKOUT	O	Clock signal output terminal Not used. (Open)

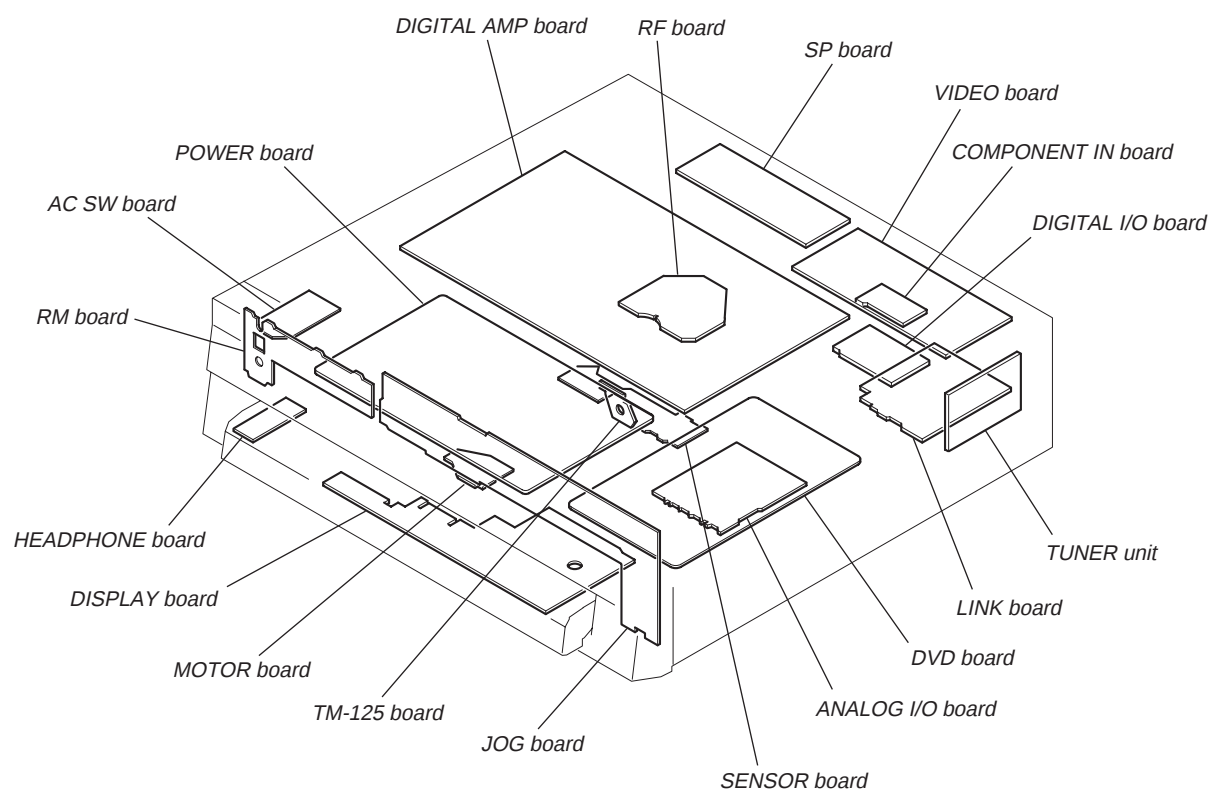
Pin No.	Pin Name	I/O	Pin Description
43	DRI-RST	O	Reset signal output to the power amplifier “L”: reset
44	DRI-OCP	I	Protect signal input from the power amplifier
45	ST-POWER	O	System power on/off control signal output “H”: power on
46	HP-MUTE	O	Headphone muting on/off control signal output “L”: muting on
47	AU-MUTE	O	Audio line muting on/off control signal output “L”: muting on
48	VIDEO MUTE	O	Audio/video selection signal output
49	COMP MUTE	I	SCAN SELECT switch input terminal “L”: SELECTABLE, “H”: INTERLACE
50	TU-ON	O	Power supply for tuner pack on/off control signal output
51	TUNED	I	Tuning detection signal input from the tuner unit “L”: tuned
52	TUN-DI	I	Serial data input from the tuner unit
53	TUN-CE	O	Chip enable signal output to the tuner unit
54	TUN-DO	O	Serial data output to the tuner unit
55	TUN-CLK	O	Serial data transfer clock signal output to the tuner unit
56	FL-MUTE	O	Reset signal output to the fluorescent indicator tube driver “L”: reset
57	FL-CLK	O	Serial data transfer clock signal output to the LED driver and fluorescent indicator tube driver
58	BVDD	—	Power supply terminal (+5 V) (for bus interface)
59	BVSS	—	Ground terminal (for bus interface)
60	FL-DATA	O	Serial data output to the LED driver and fluorescent indicator tube driver
61	FL-CS	O	Chip select signal output to the fluorescent indicator tube driver “L”: active
62	LED-CS	O	Standby signal output to the LED driver “L”: standby
63	LED-CLR	O	Reset signal output to the LED driver “L”: reset
64	HPSW	I	Connection detection signal input of the headphone jack “L”: no connected, “H”: headphone connected
65	DA CLK	O	Reset signal output to the digital audio processor “L”: reset
66	SP RELAY	O	Relay drive signal output terminal for the speaker protect
67	CKMP	I	Serial data input from the changer controller (rotary encoder)
68	PARA-RST	O	Reset signal output to the changer controller (motor, switch) and changer controller (rotary encoder) “L”: reset
69	PARA-LT1	O	Serial data latch pulse signal output to the changer controller (motor, switch)
70	CKMM	O	Serial data latch pulse signal output terminal
71	PARA-CLK	O	Serial data transfer clock signal output to the changer controller (motor, switch)
72	PARA-DATA	O	Serial data output to the changer controller (motor, switch)
73	PARA-DO1	I	Serial data input terminal
74	AVDD	—	Power supply terminal (+5 V) (analog system)
75	AVSS	—	Ground terminal (analog system)
76	AVREF	I	Reference voltage (+5 V) input terminal (analog system)
77	S0	—	CDM tray position detect 0 signal input
78	S1	I	CDM tray position detect 1 signal input
79	S2	I	CDM tray position detect 2 signal input
80	AREA1	I	Destination setting terminal
81	AREA1	I	Destination setting terminal
82 to 84	KEY0 to KEY2	I	Key input terminal (A/D input)
85	EN-A	I	Jog dial pulse input from the rotary encoder (A phase input)
86	EN-B	I	Jog dial pulse input from the rotary encoder (B phase input)
87	MODEL	I	Model setting terminal
88	RDS-DATA	I	RDS serial data input from the RDS decoder
89	DVD-POWER	O	DVD power on/off control signal output “H”: power on
90	STOP	I	System stop signal input

Pin No.	Pin Name	I/O	Pin Description
91	POWER-SW	I	System power on/off control signal input "H": power on
92	SIRCS	I	Remote control signal input
93	WAKE	I	System wake up signal input by pressing any key on the front panel or remote commander or disc insert detect sensor
94	RDS-CLK	I	RDS serial data transfer clock signal input from the RDS decoder
95	DSSENS	O	CDM disc detect signal output
96	TSSENS	O	CDM slit edge interruption signal output
97	DF-SW	O	Selection signal output to the digital audio processor
98	DF-SYNC	O	Sync signal output to the digital audio processor
99	DF-RST	O	Reset signal output for the digital audio processor "L": reset
100	I2HLP	I/O	Busy signal input/output for the I2C bus Not used. (Open)

• DVD BOARD IC902 PT8300 (CHANGER CONTROLLER (MOTOR, SWITCH))

Pin No.	Pin Name	I/O	Pin Description
1	VSS	—	Ground terminal
2	RESET B	I	Reset signal input from the system controller “L”: reset
3	CLK	I	Serial data transfer clock signal input from the system controller
4	LATCH	I	Serial data latch pulse signal input from the system controller
5	OUTSW	I	CDM tray open detect switch input terminal “L”: active
6	INSW	I	CDM tray close detect switch input terminal “L”: active
7	P13	I	Disc in (8/12cm) detect switch input terminal “L”: play position Not used. (Open)
8	P12	I	Disc in (12cm) detect switch input terminal “L”: play position Not used. (Open)
9	P11	I	Stocker in/out detect switch input terminal “L”: in the midst disc is moving between play position and stocker except the moment disc in/out from stocker Not used. (Open)
10	P10	I	Disc position detect switch input terminal Not used. (Open) “L”: disc is play position side in the midst disc is moving between play position and stocker “H”: disc is stocker side in the midst disc is moving between play position and stocker
11	P9	I	Disc out detect switch input terminal “H”: disc out from play position Not used. (Open)
12	P8	I	Stocking detect switch input terminal Not used. (Open) “H”: in the midst disc is moving between play position and stocker
13	LATCHO	O	Serial data latch pulse signal output to the changer controller (rotary encoder) Not used. (Open)
14	CLKO	O	Serial data transfer clock signal output to the changer controller (rotary encoder) Not used. (Open)
15	DO1	O	Serial data output to the changer controller (rotary encoder) Not used. (Open)
16	DI2	I	Serial data input terminal Not used. (Fixed at “L” in this set.)
17	TRMP	O	CDM tray left-roulette signal output “H”: active
18	TRMM	O	CDM tray right-roulette signal output “H”: active
19	V SEL2	O	Video select 2 signal output
20	V SEL1	O	Video select 1 signal output
21	V SEL0	O	Video select 0 signal output
22	A SEL2	O	Audio select 2 signal output
23	A SEL1	O	Audio select 1 signal output
24	A SEL0	O	Audio select 0 signal output
25	DO2	O	Serial data output to the changer controller (rotary encoder)
26	DI1	I	Serial data input from the system controller
27	PULLUP	—	Connected to power supply (+5 V)
28	VCC	—	Power supply terminal (+5 V)

5-2. CIRCUIT BOARDS LOCATION



5-3. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC 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. pF: μF 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.
- Δ : internal component.
- $\square$: panel designation.

Note:

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

Note:

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

- --- : B+ Line.
- --- : B- Line.
- $\square$: adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : DVD PLAY
- () : CD PLAY
- [] : SACD PLAY
- * : Impossible to measure
- Voltages are taken with a VOM (Input impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- $\Rightarrow$: CD PLAY
- $\Rightarrow$: DVD PLAY
- $\Rightarrow$: SACD PLAY
- $\Rightarrow$: AUX IN
- $\Rightarrow$: OPTICAL DIGITAL IN
- $\square$: TUNER
- $\Rightarrow$: AUDIO
- $\Rightarrow$: VIDEO
- $\Rightarrow$: Y
- $\Rightarrow$: CHROMA
- $\Rightarrow$: COMPONENT VIDEO
- Abbreviation
- CND : Canadian model.

For printed wiring boards.

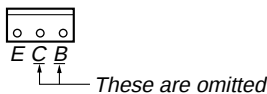
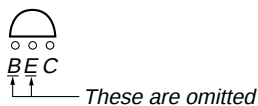
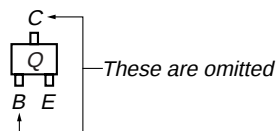
Note:

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

Caution:

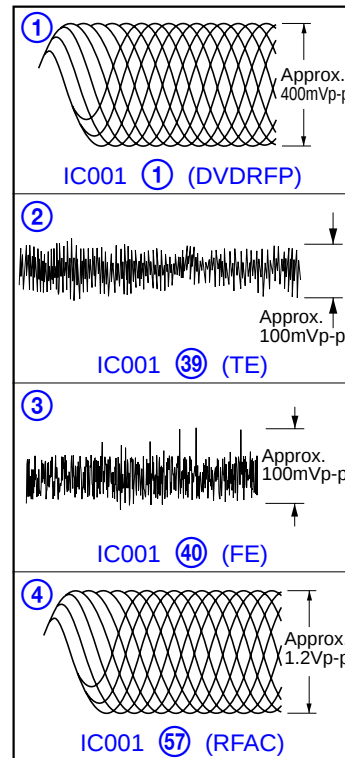
Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.

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

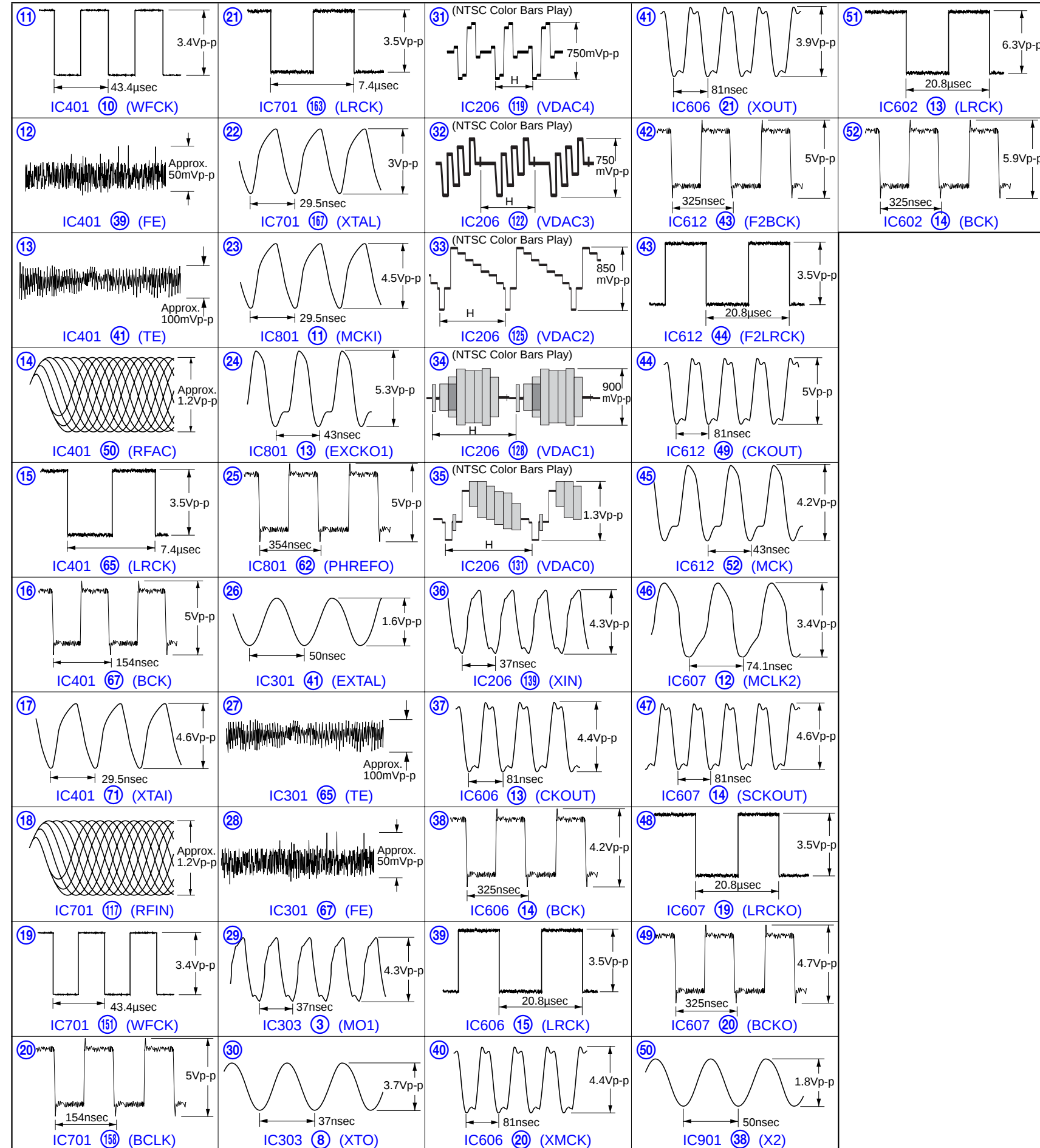


- Abbreviation
- CND : Canadian model.

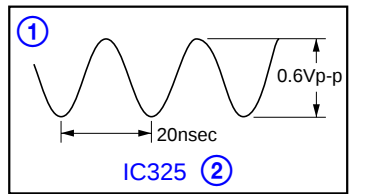
• Waveforms
– RF Board –



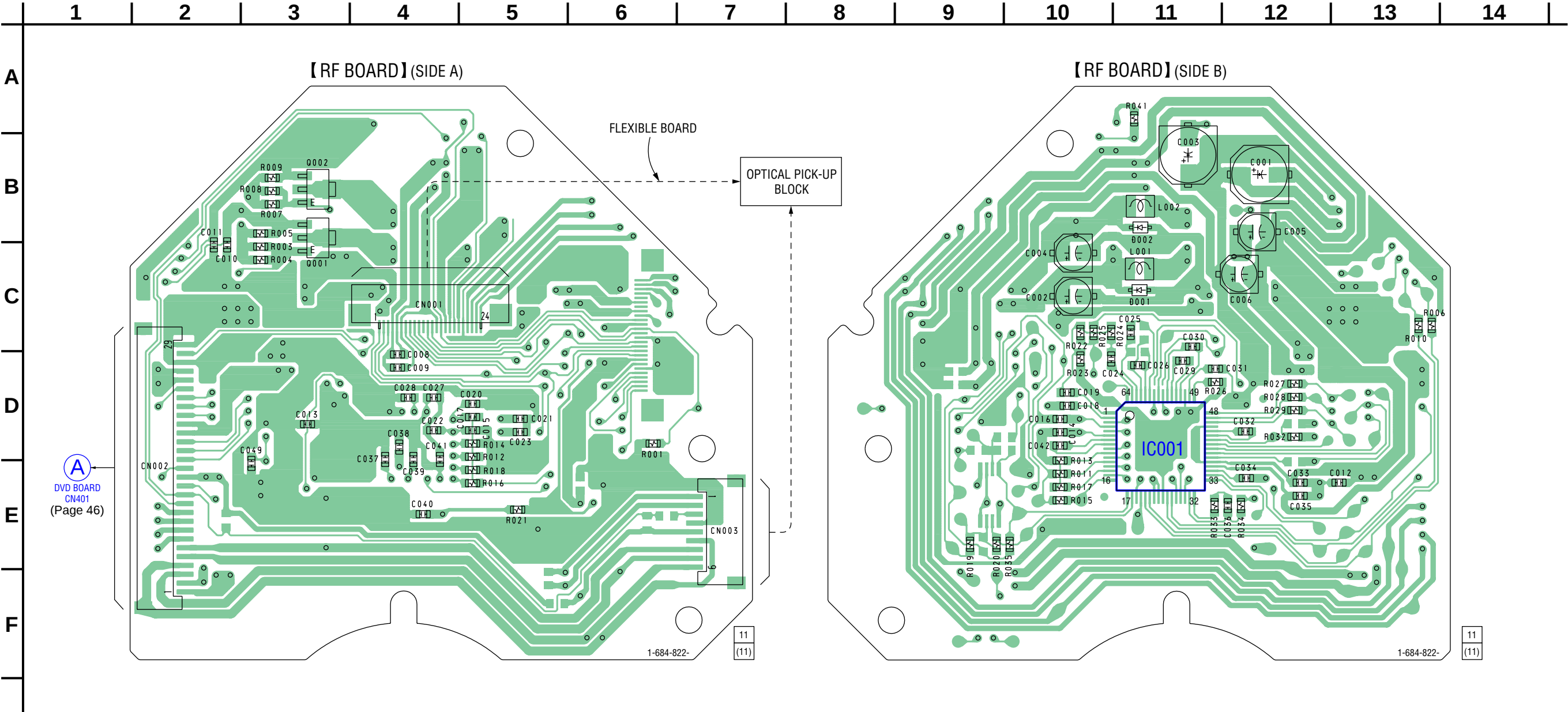
– DVD Board –



– DIGITAL AMP Board –



5-4. PRINTED WIRING BOARD — RF SECTION — • Refer to page 41 for Circuit Boards Location.



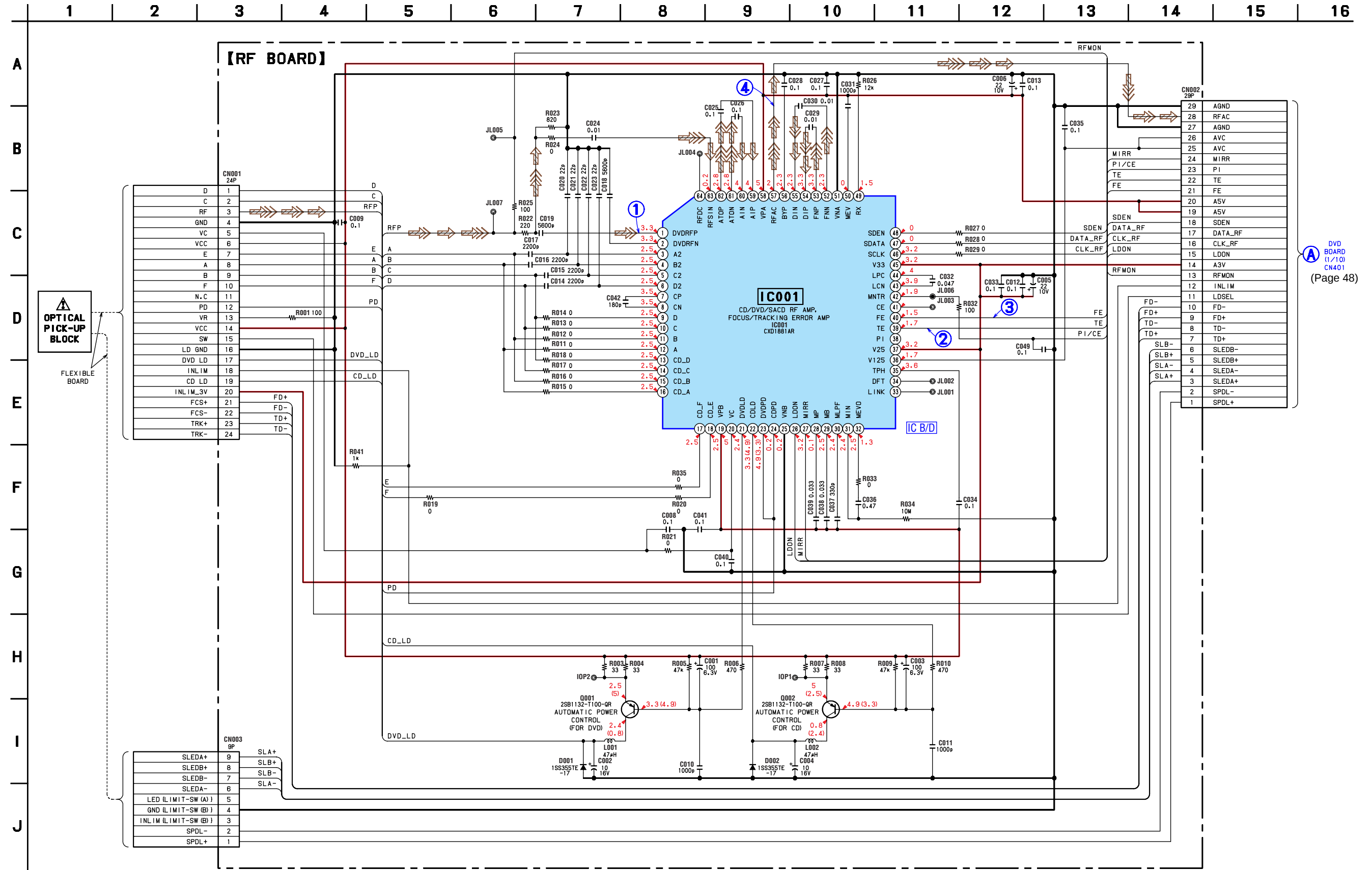
• Semiconductor Location

Ref. No.	Location
D001	C-11
D002	B-11
IC001	D-11
Q001	C-3
Q002	B-3

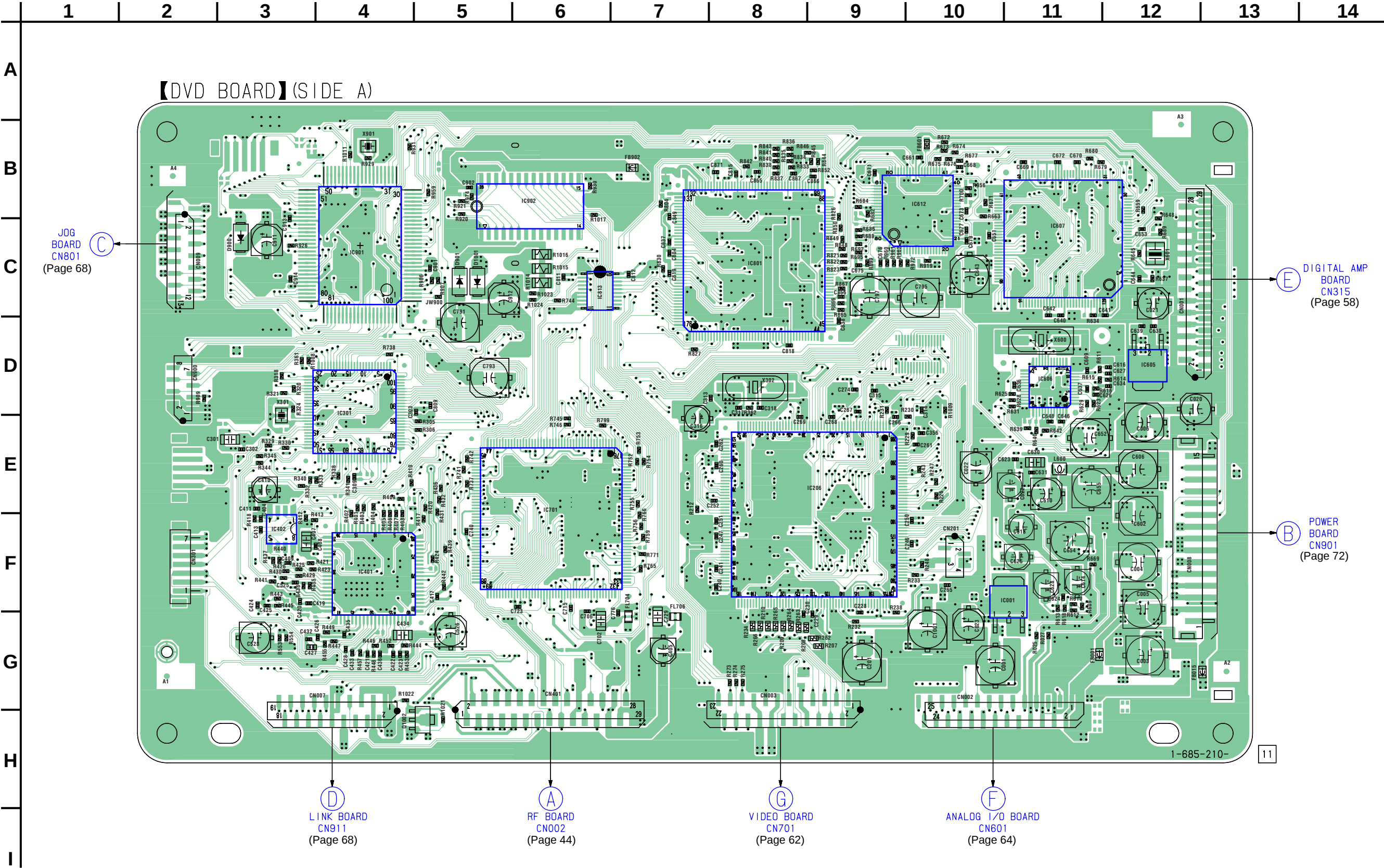
5-5. SCHEMATIC DIAGRAM — RF SECTION —

• Refer to page 43 for Waveforms.

• Refer to page 74 for IC Block Diagram.



5-6. PRINTED WIRING BOARD — DVD SECTION — • Refer to page 41 for Circuit Boards Location.



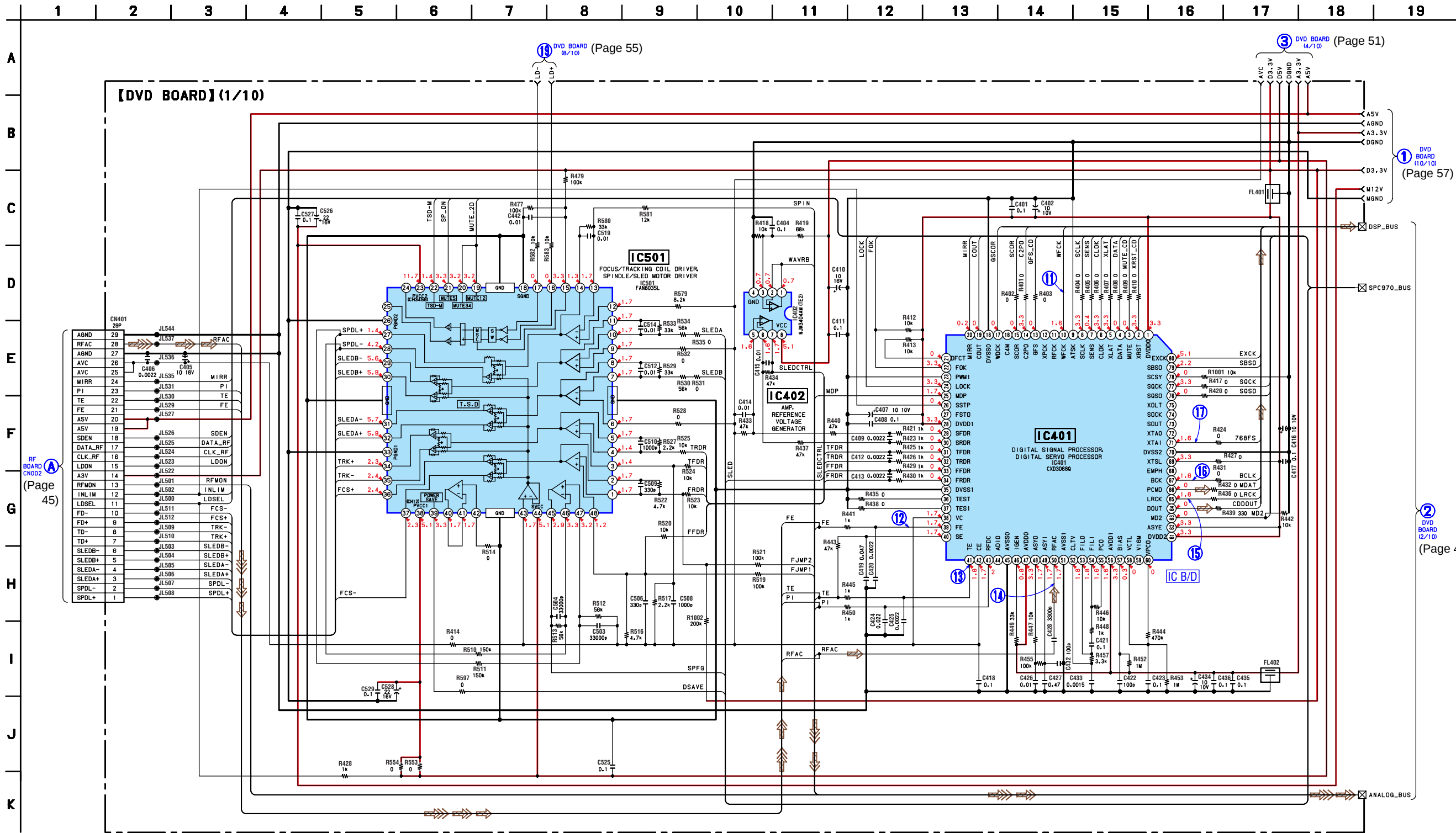
A
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B
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C
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D
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E
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F
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G
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H
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I



(): SIDE B

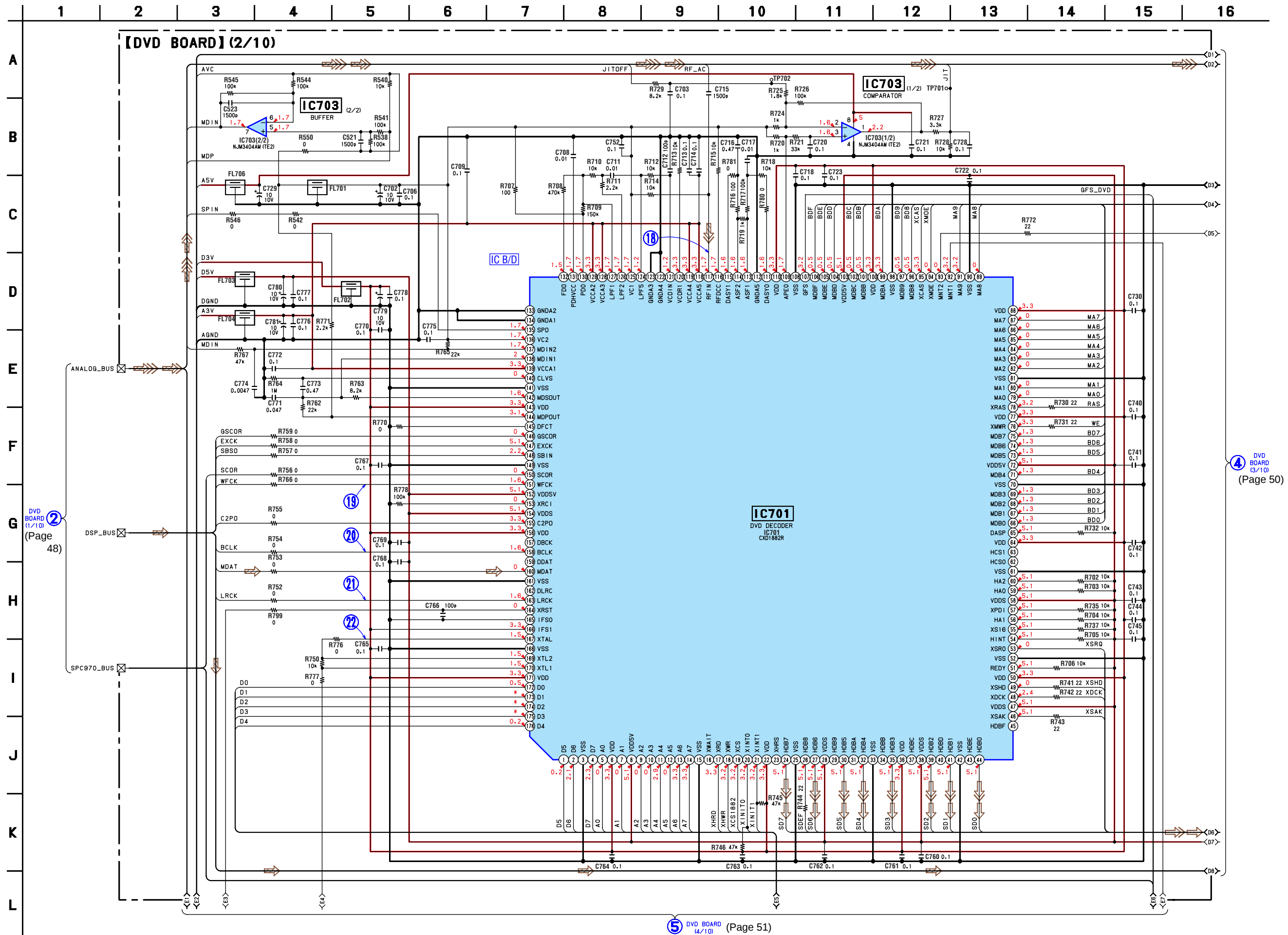
5-7. SCHEMATIC DIAGRAM — DVD SECTION (1/10) —

- Refer to page 43 for Waveforms.
- Refer to page 74 for IC Block Diagram.



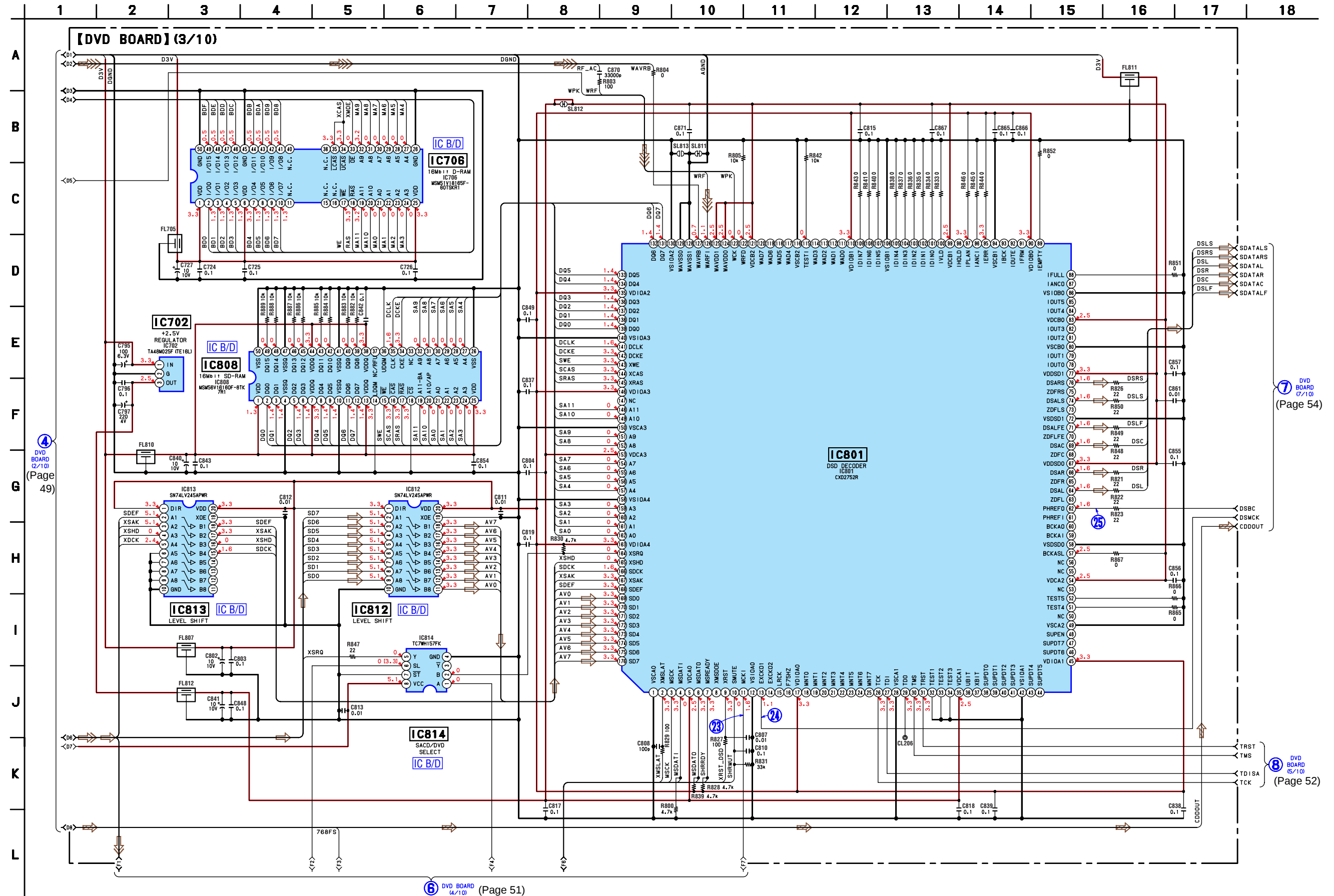
5-8. SCHEMATIC DIAGRAM — DVD SECTION (2/10) —

- Refer to page 43 for Waveforms.
- Refer to page 75 for IC Block Diagram.



- Refer to page 43 for Waveforms.

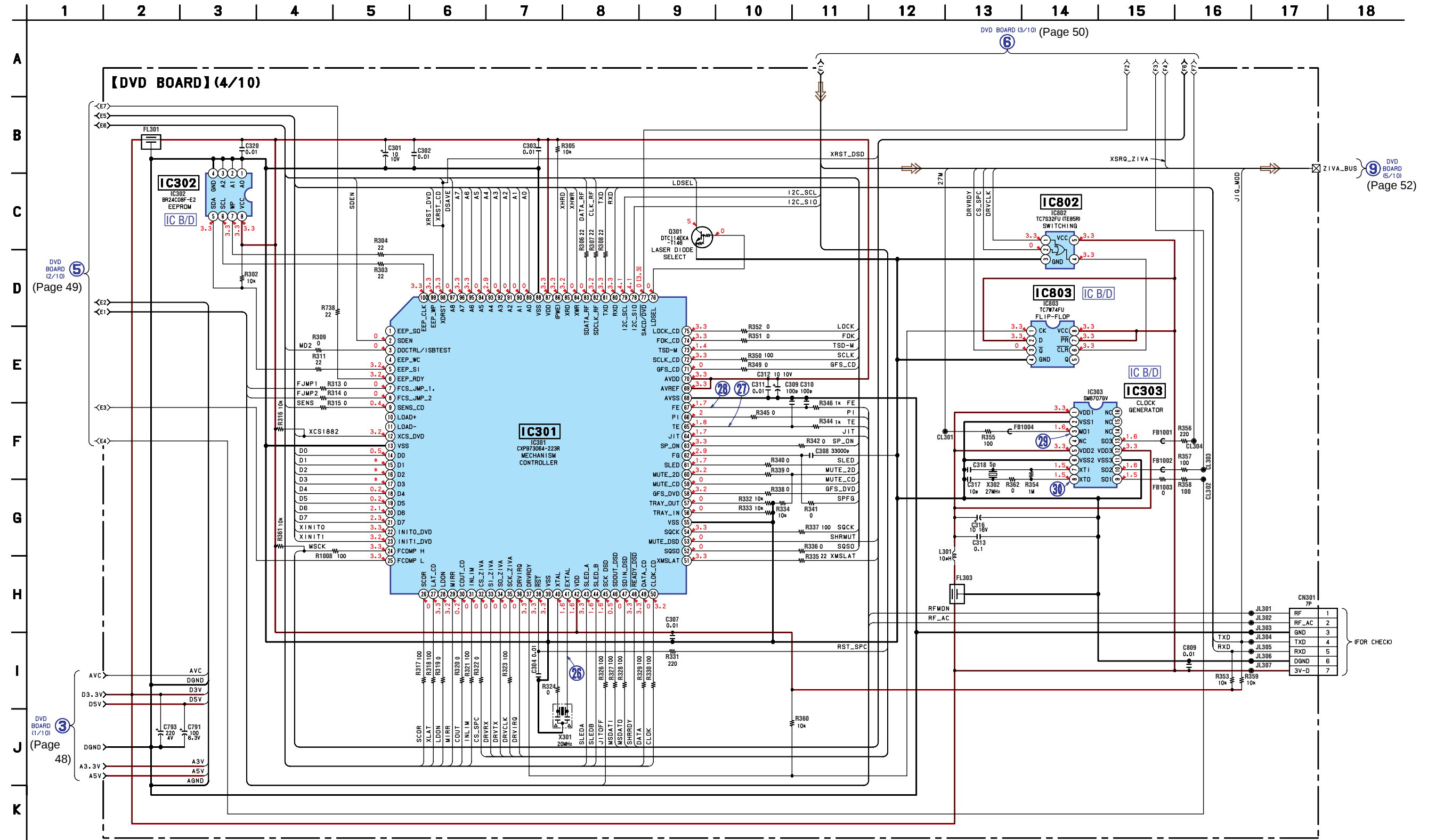
5-9. SCHEMATIC DIAGRAM — DVD SECTION (3/10) — • Refer to page 74 for IC Block Diagrams.



5-10. SCHEMATIC DIAGRAM — DVD SECTION (4/10) —

• Refer to page 43 for Waveforms.

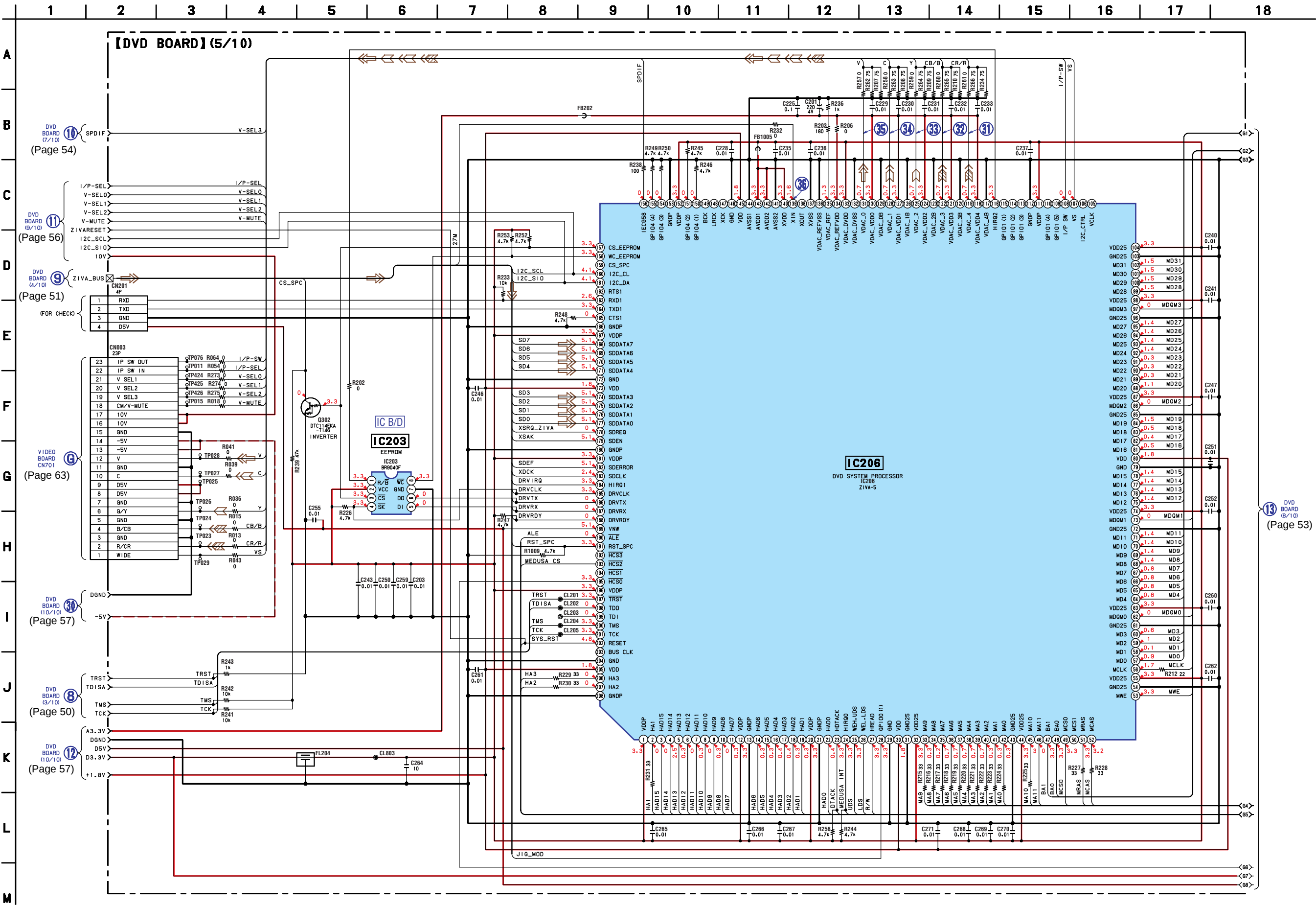
• Refer to page 77 for IC Block Diagrams.



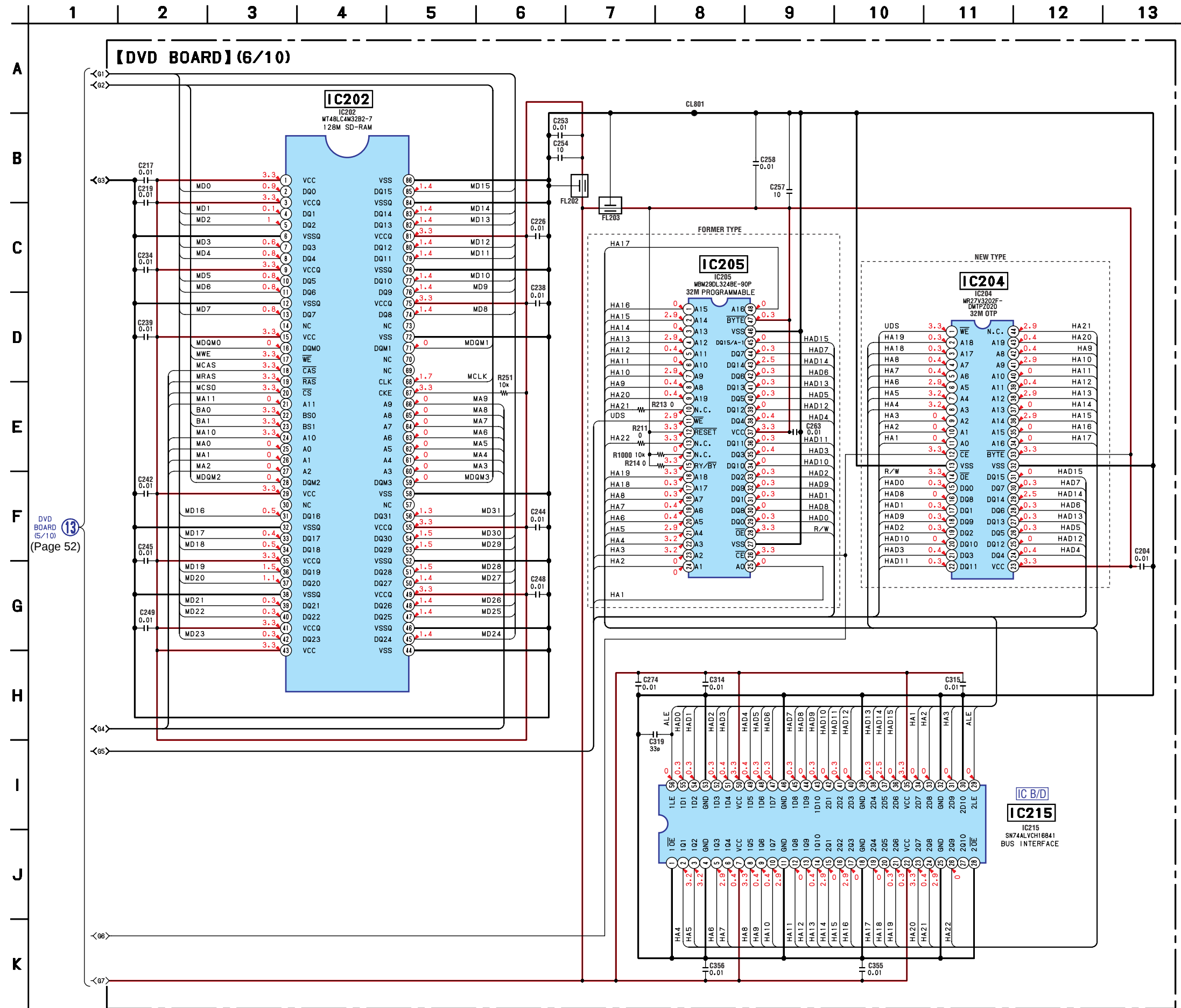
5-11. SCHEMATIC DIAGRAM — DVD SECTION (5/10) —

• Refer to page 43 for Waveforms.

• Refer to page 77 for IC Block Diagram.



5-12. SCHEMATIC DIAGRAM — DVD SECTION (6/10) — • Refer to page 78 for IC Block Diagram.



[DVD BOARD](7/10)

This schematic diagram illustrates the internal components and connections of a DVD BOARD (7/10). The board features several integrated circuits (ICs) and their associated passive components, including resistors (R) and capacitors (C).

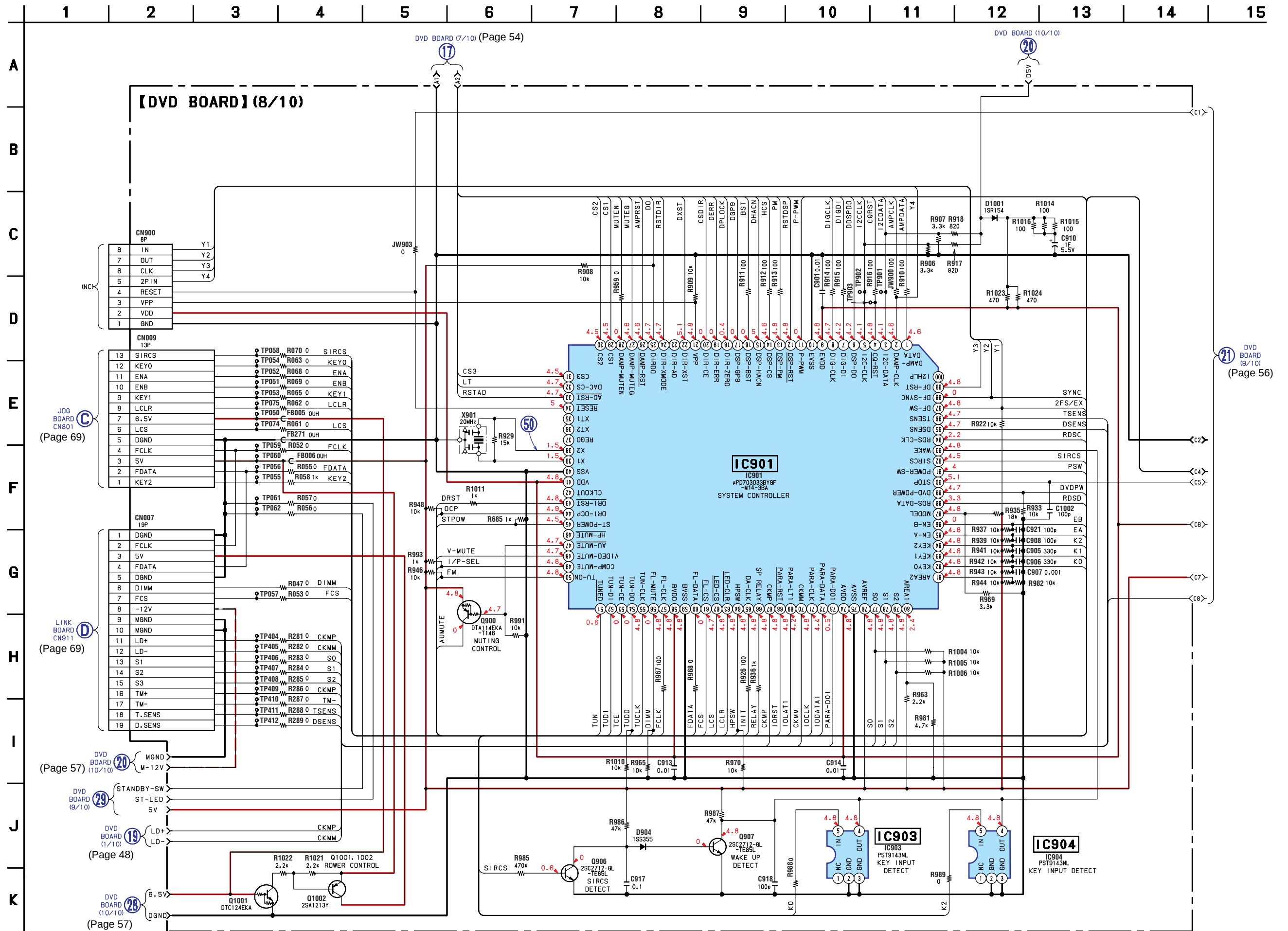
ICs and their functions:

- IC604:** ISB11V8416-10T1 (SS) S-RAM
- IC605:** NJM2391DL-1 +2.6V REGULATOR
- IC606:** LC89056W DIGITAL AUDIO INTERFACE
- IC607:** CXD9817R DIGITAL AUDIO SIGNAL PROCESSOR
- IC612:** CXD98330 DIGITAL AUDIO PROCESSOR

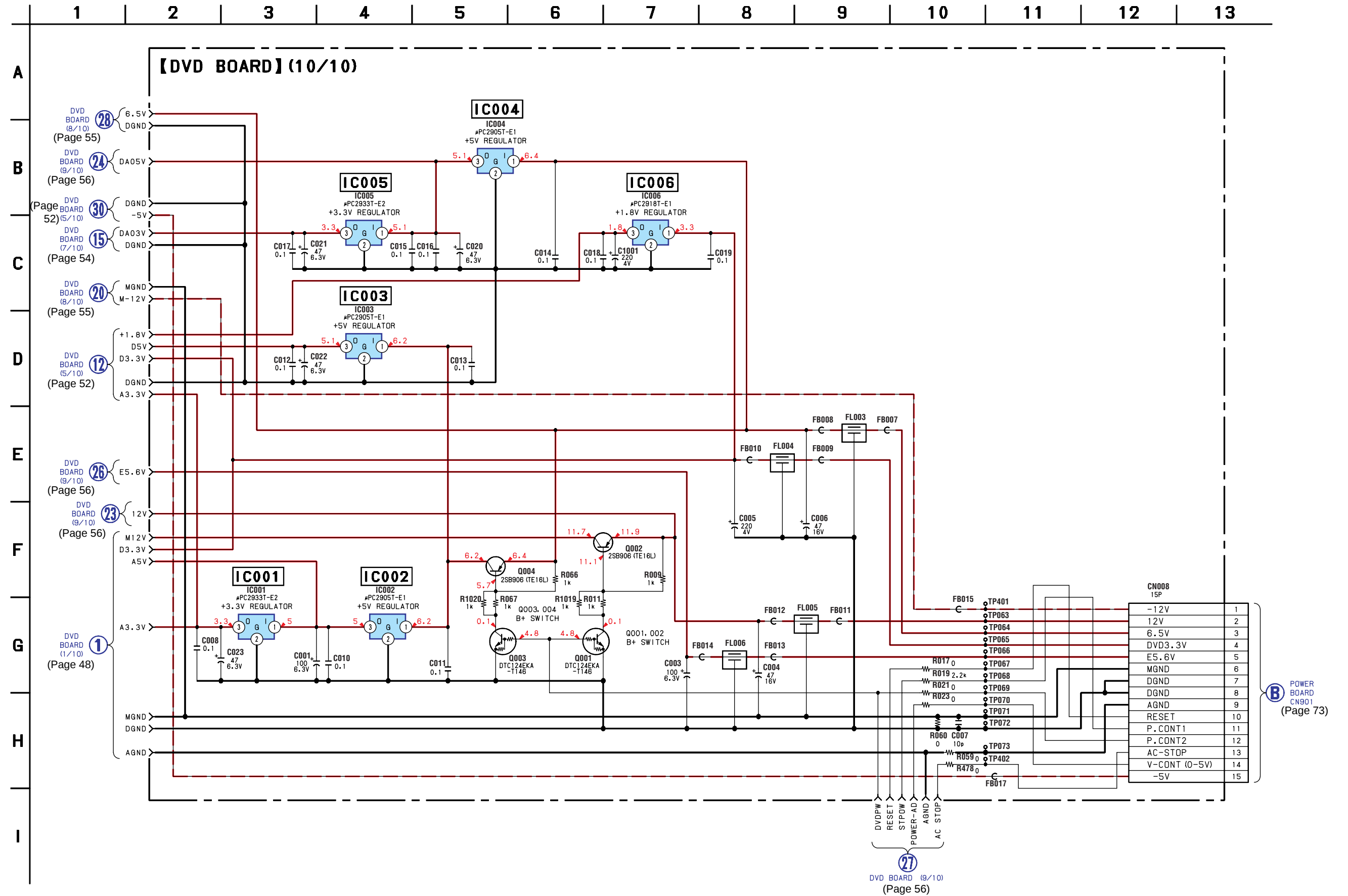
Key components and connections:

- Power and Ground:** The board includes a +2.6V regulator (IC605) and various power supply lines (VDD, VSS, VDD1, VSS1, etc.). Ground connections are labeled GND, DGND, and DA03V.
- Audio and Video:** The IC606 and IC607 handle digital audio signals, while IC612 processes digital audio signals. Video signals are connected to pins like V1, V2, V3, V4, V5, V6, V7, V8, V9, V10, V11, V12, V13, V14, V15, V16, V17, V18, V19, V20, V21, V22, V23, V24, V25, V26, V27, V28, V29, V30, V31, V32, V33, V34, V35, V36, V37, V38, V39, V40, V41, V42, V43, V44, V45, V46, V47, V48, V49, V50, V51, V52, V53, V54, V55, V56, V57, V58, V59, V60, V61, V62, V63, V64, V65, V66, V67, V68, V69, V70, V71, V72, V73, V74, V75, V76, V77, V78, V79, V80, V81, V82, V83, V84, V85, V86, V87, V88, V89, V90, V91, V92, V93, V94, V95, V96, V97, V98, V99, V100, V101, V102, V103, V104, V105, V106, V107, V108, V109, V110, V111, V112, V113, V114, V115, V116, V117, V118, V119, V120, V121, V122, V123, V124, V125, V126, V127, V128, V129, V130, V131, V132, V133, V134, V135, V136, V137, V138, V139, V140, V141, V142, V143, V144, V145, V146, V147, V148, V149, V150, V151, V152, V153, V154, V155, V156, V157, V158, V159, V160, V161, V162, V163, V164, V165, V166, V167, V168, V169, V170, V171, V172, V173, V174, V175, V176, V177, V178, V179, V180, V181, V182, V183, V184, V185, V186, V187, V188, V189, V190, V191, V192, V193, V194, V195, V196, V197, V198, V199, V200, V201, V202, V203, V204, V205, V206, V207, V208, V209, V210, V211, V212, V213, V214, V215, V216, V217, V218, V219, V220, V221, V222, V223, V224, V225, V226, V227, V228, V229, V230, V231, V232, V233, V234, V235, V236, V237, V238, V239, V240, V241, V242, V243, V244, V245, V246, V247, V248, V249, V250, V251, V252, V253, V254, V255, V256, V257, V258, V259, V260, V261, V262, V263, V264, V265, V266, V267, V268, V269, V270, V271, V272, V273, V274, V275, V276, V277, V278, V279, V280, V281, V282, V283, V284, V285, V286, V287, V288, V289, V290, V291, V292, V293, V294, V295, V296, V297, V298, V299, V300, V301, V302, V303, V304, V305, V306, V307, V308, V309, V310, V311, V312, V313, V314, V315, V316, V317, V318, V319, V320, V321, V322, V323, V324, V325, V326, V327, V328, V329, V330, V331, V332, V333, V334, V335, V336, V337, V338, V339, V340, V341, V342, V343, V344, V345, V346, V347, V348, V349, V350, V351, V352, V353, V354, V355, V356, V357, V358, V359, V360, V361, V362, V363, V364, V365, V366, V367, V368, V369, V370, V371, V372, V373, V374, V375, V376, V377, V378, V379, V380, V381, V382, V383, V384, V385, V386, V387, V388, V389, V390, V391, V392, V393, V394, V395, V396, V397, V398, V399, V400, V401, V402, V403, V404, V405, V406, V407, V408, V409, V410, V411, V412, V413, V414, V415, V416, V417, V418, V419, V420, V421, V422, V423, V424, V425, V426, V427, V428, V429, V430, V431, V432, V433, V434, V435, V436, V437, V438, V439, V440, V441, V442, V443, V444, V445, V446, V447, V448, V449, V450, V451, V452, V453, V454, V455, V456, V457, V458, V459, V460, V461, V462, V463, V464, V465, V466, V467, V468, V469, V470, V471, V472, V473, V474, V475, V476, V477, V478, V479, V480, V481, V482, V483, V484, V485, V486, V487, V488, V489, V490, V491, V492, V493, V494, V495, V496, V497, V498, V499, V500, V501, V502, V503, V504, V505, V506, V507, V508, V509, V510, V511, V512, V513, V514, V515, V516, V517, V518, V519, V520, V521, V522, V523, V524, V525, V526, V527, V528, V529, V530, V531, V532, V533, V534, V535, V536, V537, V538, V539, V540, V541, V542, V543, V544, V545, V546, V547, V548, V549, V550, V551, V552, V553, V554, V555, V556, V557, V558, V559, V560, V561, V562, V563, V564, V565, V566, V567, V568, V569, V570, V571, V572, V573, V574, V575, V576, V577, V578, V579, V580, V581, V582, V583, V584, V585, V586, V587, V588, V589, V590, V591, V592, V593, V594, V595, V596, V597, V598, V599, V600, V601, V602, V603, V604, V605, V606, V607, V608, V609, V610, V611, V612, V613, V614, V615, V616, V617, V618, V619, V620, V621, V622, V623, V624, V625, V626, V627, V628, V629, V630, V631, V632, V633, V634, V635, V636, V637, V638, V639, V640, V641, V642, V643, V644, V645, V646, V647, V648, V649, V650, V651, V652, V653, V654, V655, V656, V657, V658, V659, V660, V661, V662, V663, V664, V665, V666, V667, V668, V669, V670, V671, V672, V673, V674, V675, V676, V677, V678, V679, V680, V681, V682, V683, V684, V685, V686, V687, V688, V689, V690, V691, V692, V693, V694, V695, V696, V697, V698, V699, V700, V701, V702, V703, V704, V705, V706, V707, V708, V709, V710, V711, V712, V713, V714, V715, V716, V717, V718, V719, V720, V721, V722, V723, V724, V725, V726, V727, V728, V729, V730, V731, V732, V733, V734, V735, V736, V737, V738, V739, V740, V741, V742, V743, V744, V745, V746, V747, V748, V749, V750, V751, V752, V753, V754, V755, V756, V757, V758, V759, V760, V761, V762, V763,

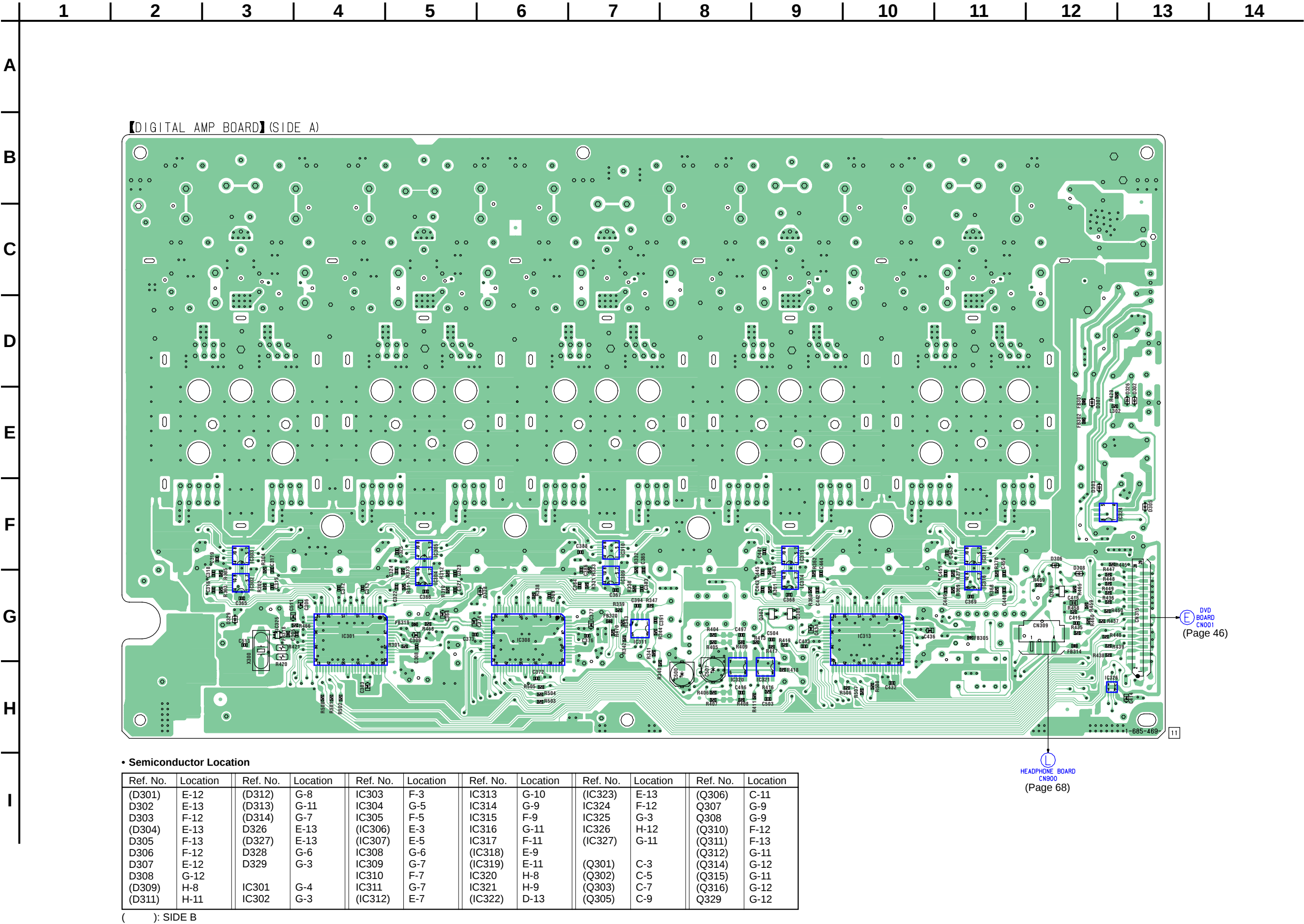
5-14. SCHEMATIC DIAGRAM — DVD SECTION (8/10) — • Refer to page 43 for Waveform.

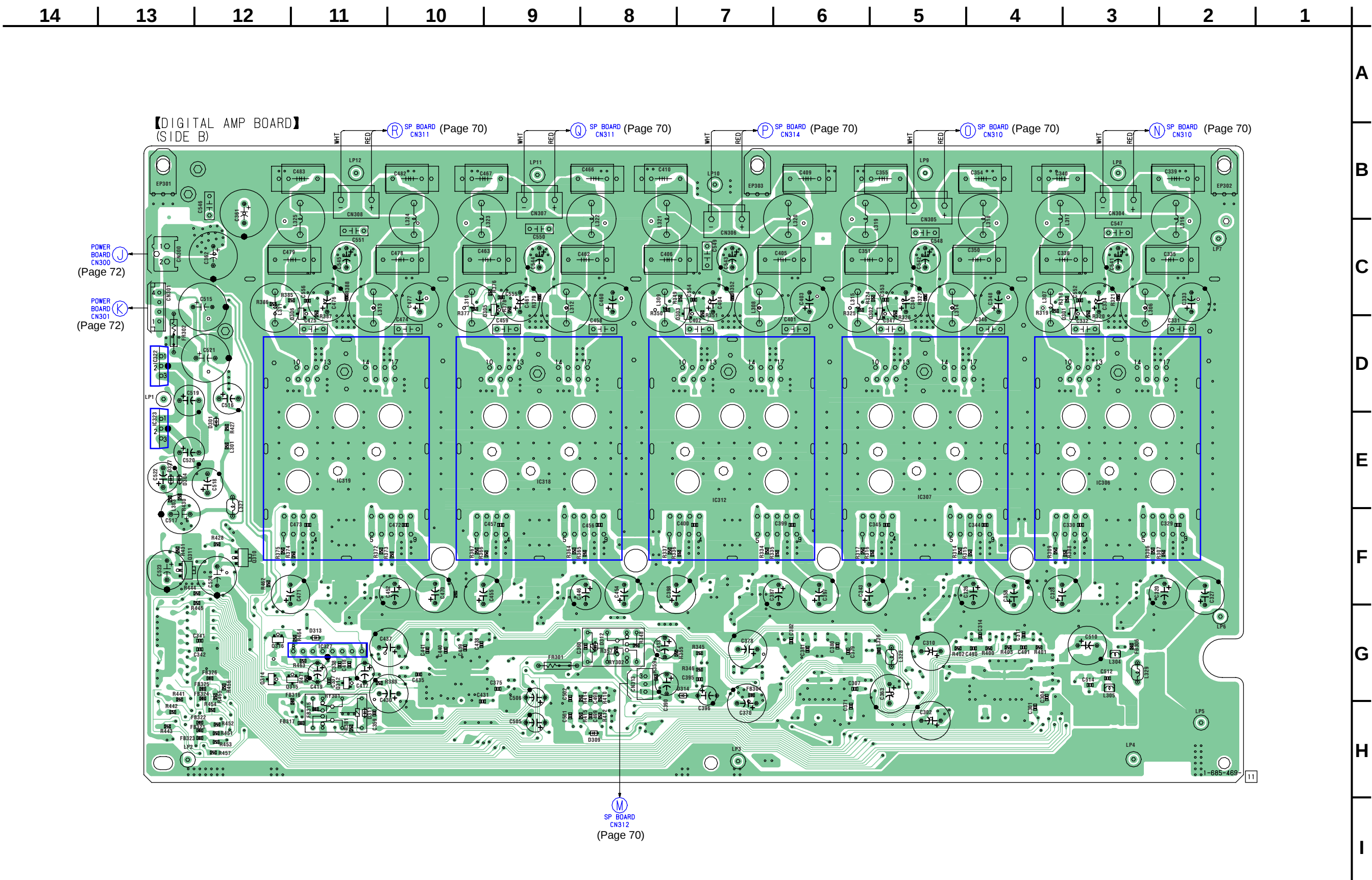


5-16. SCHEMATIC DIAGRAM — DVD SECTION (10/10) —



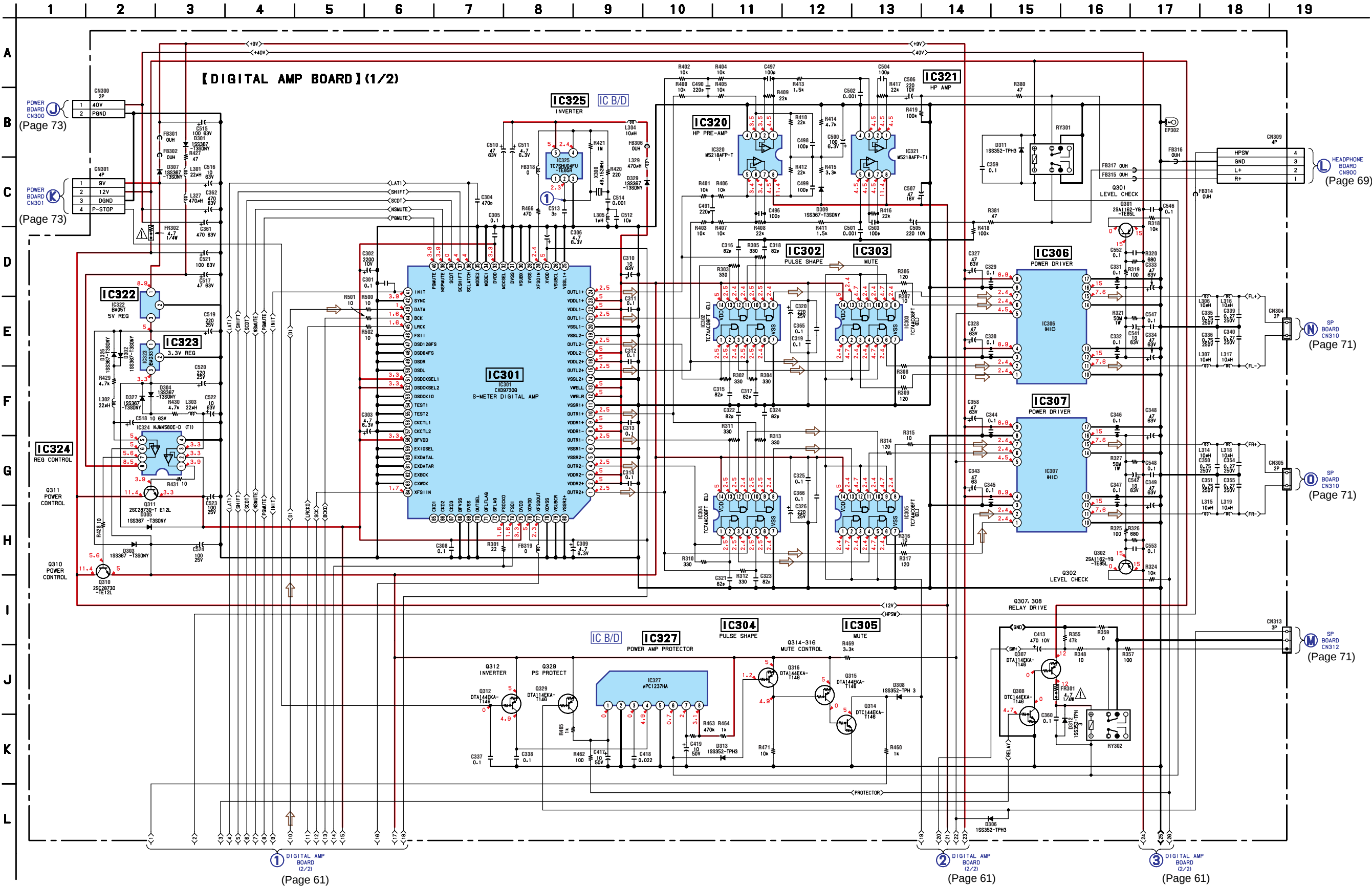
5-17. PRINTED WIRING BOARD — DIGITAL AMP SECTION — • Refer to page 41 for Circuit Boards Location.



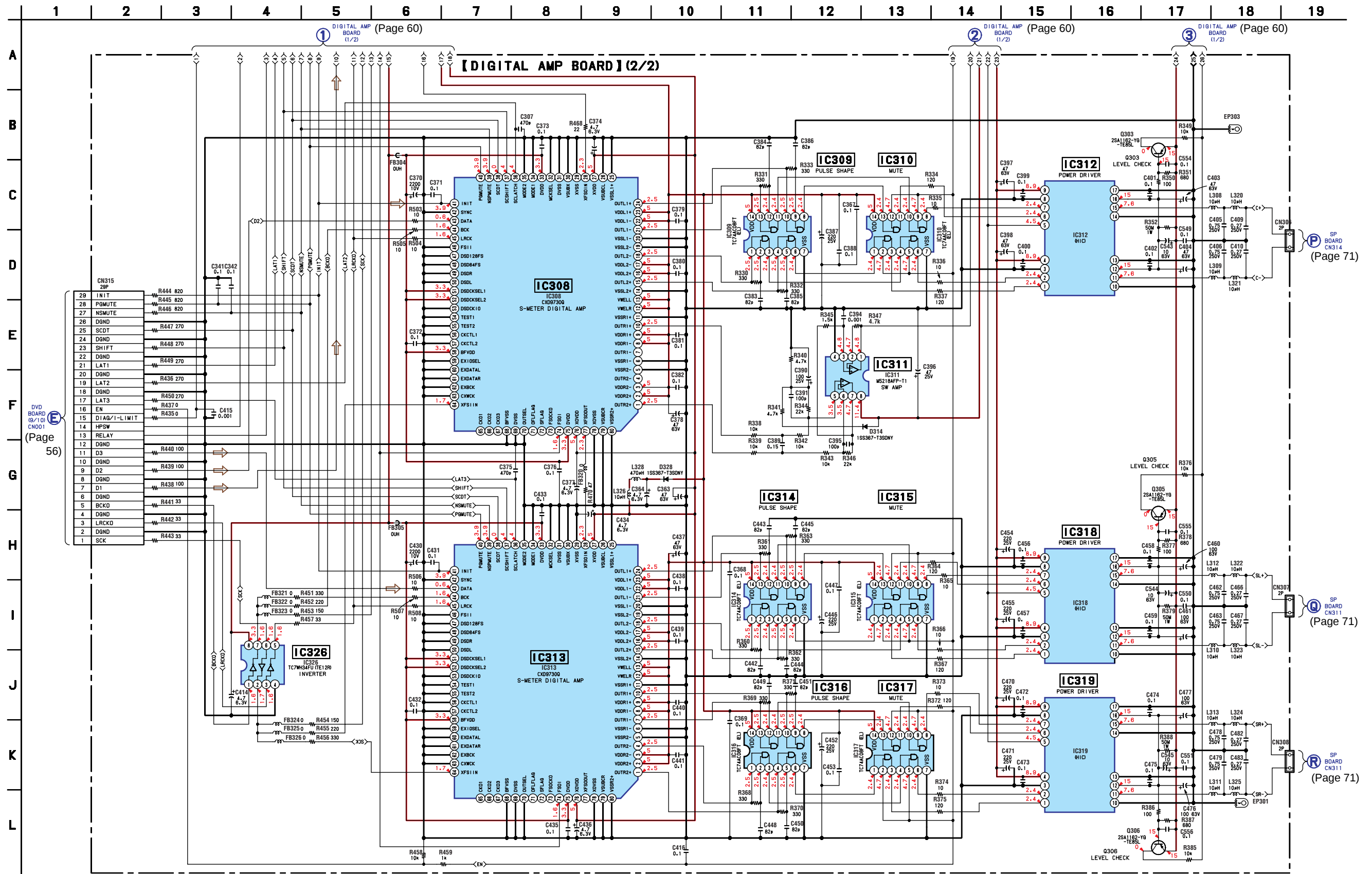


• Refer to page 43 for Waveform.
• Refer to page 80 for IC Block Diagrams.

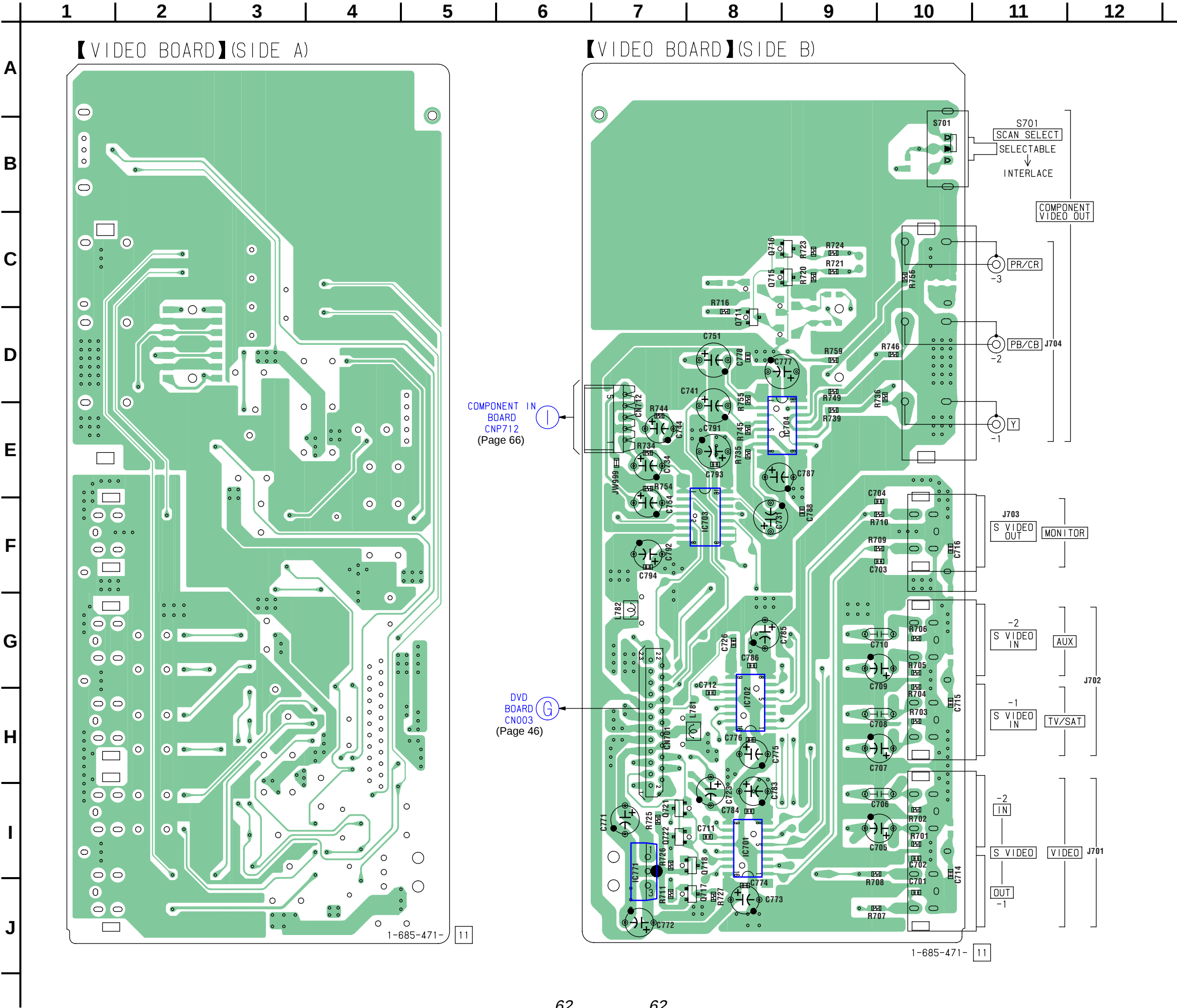
5-18. SCHEMATIC DIAGRAM — DIGITAL AMP SECTION (1/2) —



5-19. SCHEMATIC DIAGRAM — DIGITAL AMP SECTION (2/2) —



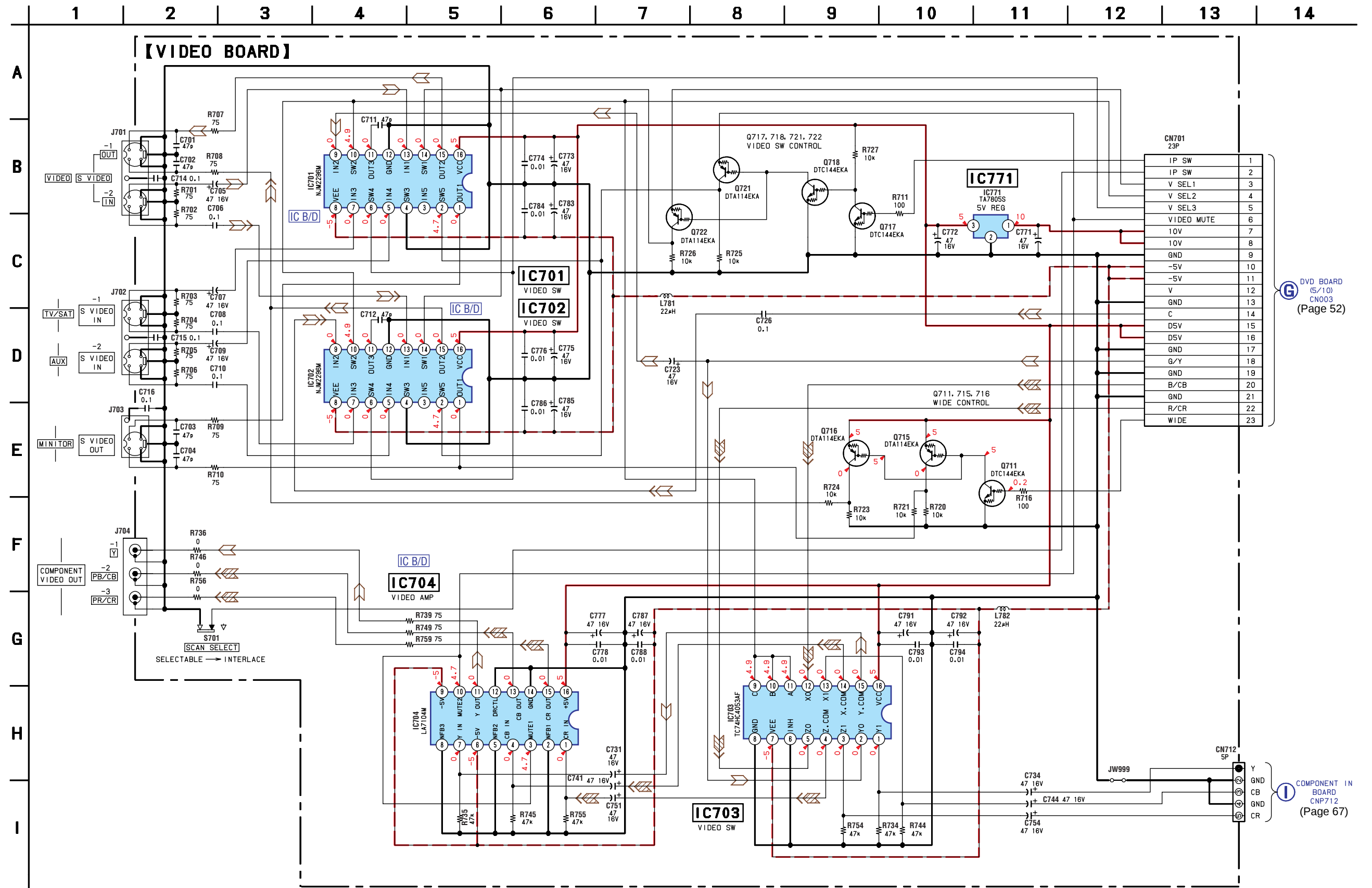
5-20. PRINTED WIRING BOARD — VIDEO SECTION — • Refer to page 41 for Circuit Boards Location.



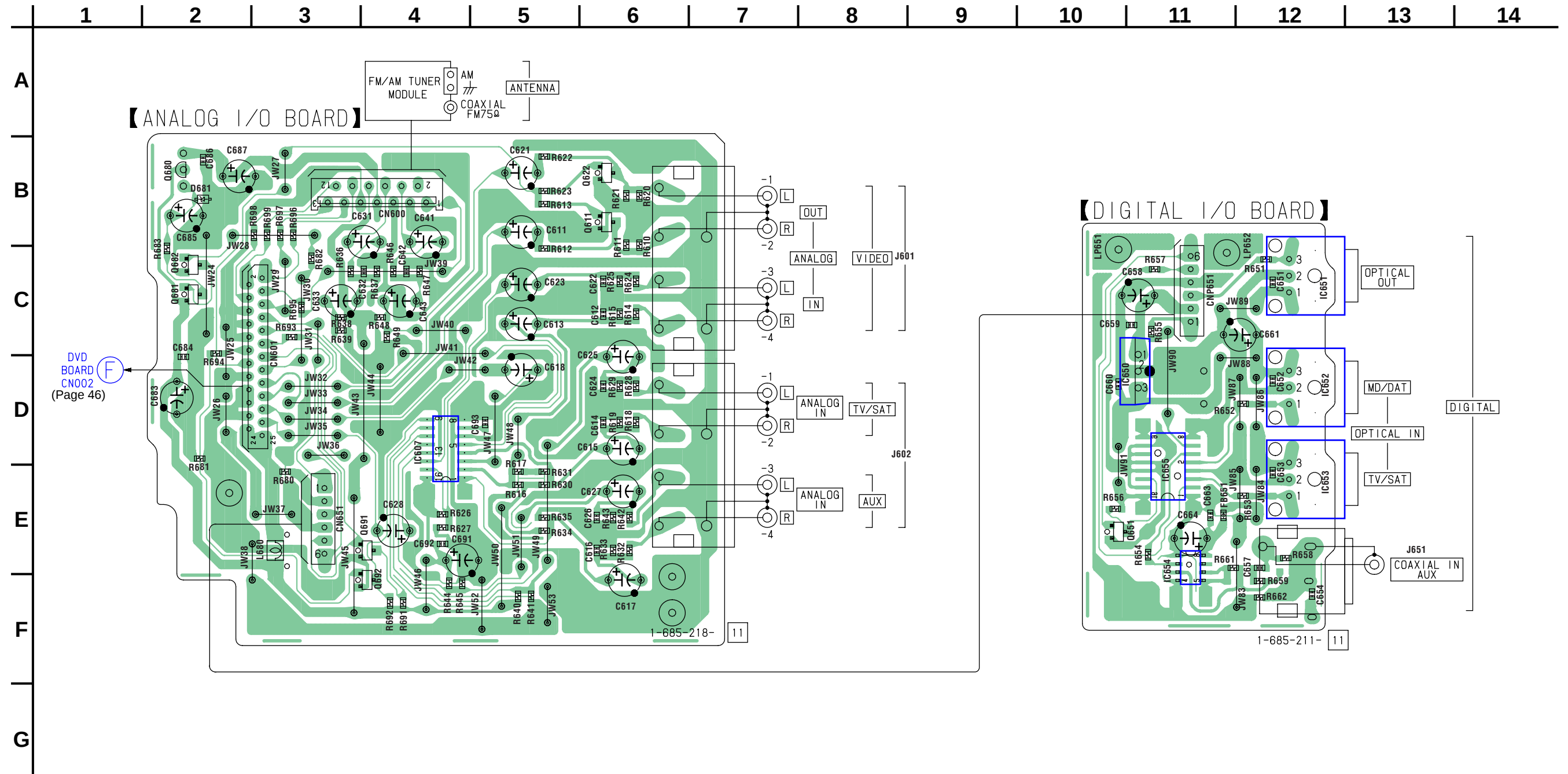
• Semiconductor Location

Ref. No.	Location
IC701	I-8
IC702	H-8
IC703	F-8
IC704	E-9
IC771	I-7
Q711	D-8
Q715	C-8
Q716	C-8
Q717	J-8
Q718	I-8
Q721	I-7
Q722	I-7

5-21. SCHEMATIC DIAGRAM — VIDEO SECTION — • Refer to page 80 for IC Block Diagrams.



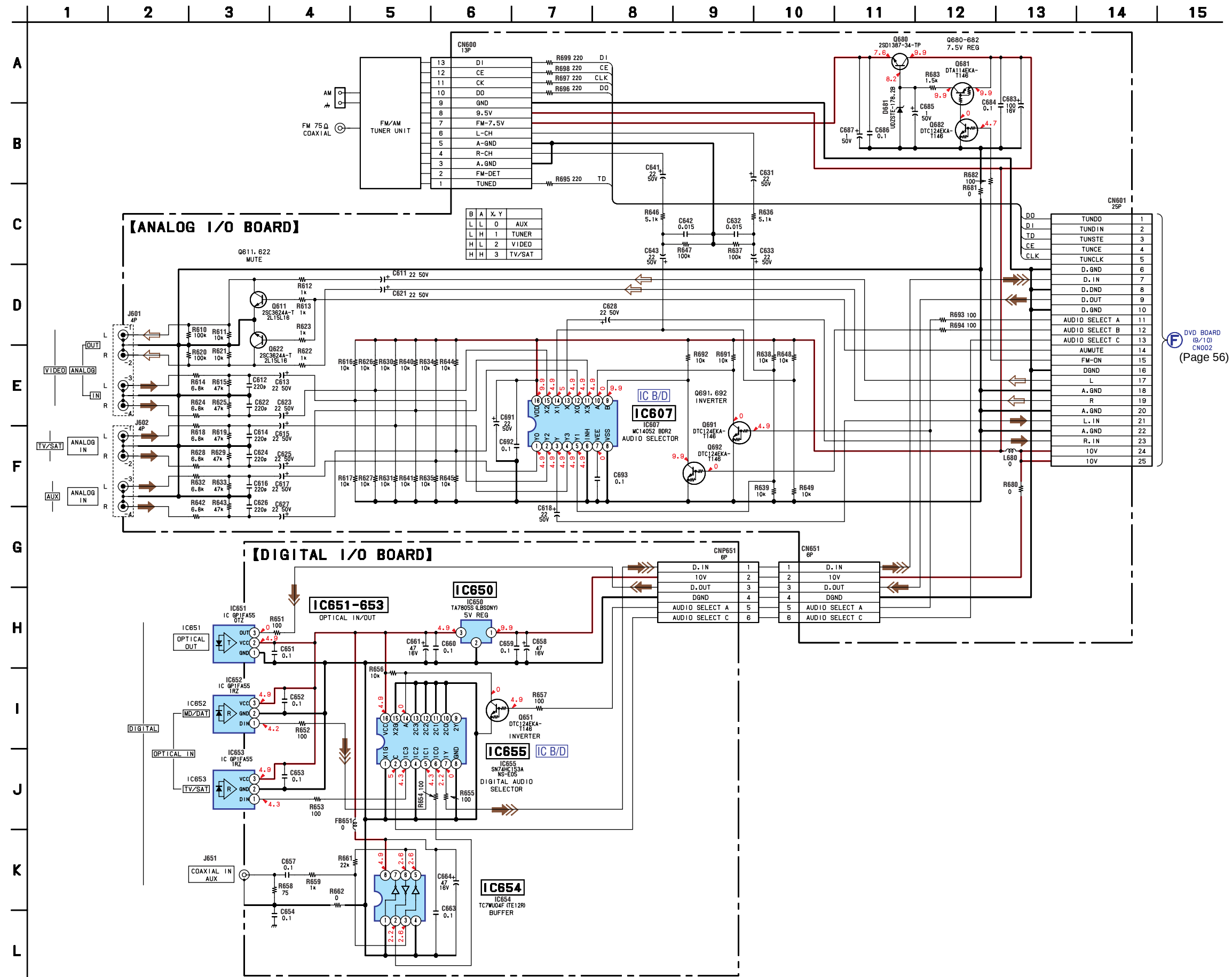
5-22. PRINTED WIRING BOARDS — IN/OUT SECTION — • Refer to page 41 for Circuit Boards Location.



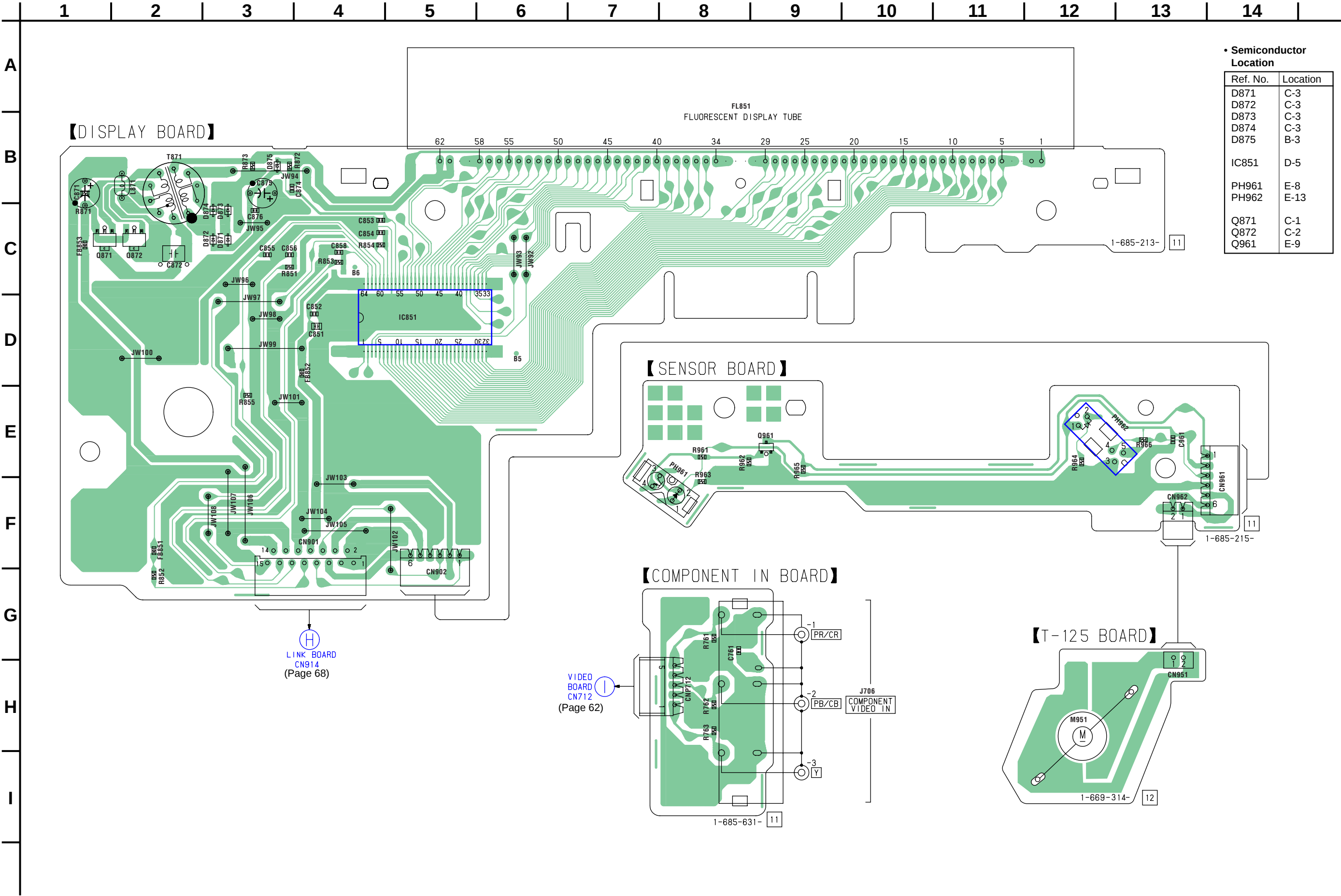
- **Semiconductor Location**

Ref. No.	Location
D681	B-2
IC607	D-4
IC650	D-11
IC651	C-12
IC652	D-12
IC653	E-12
IC654	F-11
IC655	E-11
Q611	B-6
Q622	B-6
Q651	E-10
Q680	B-2
Q681	C-2
Q682	C-2
Q691	E-4
Q692	F-4

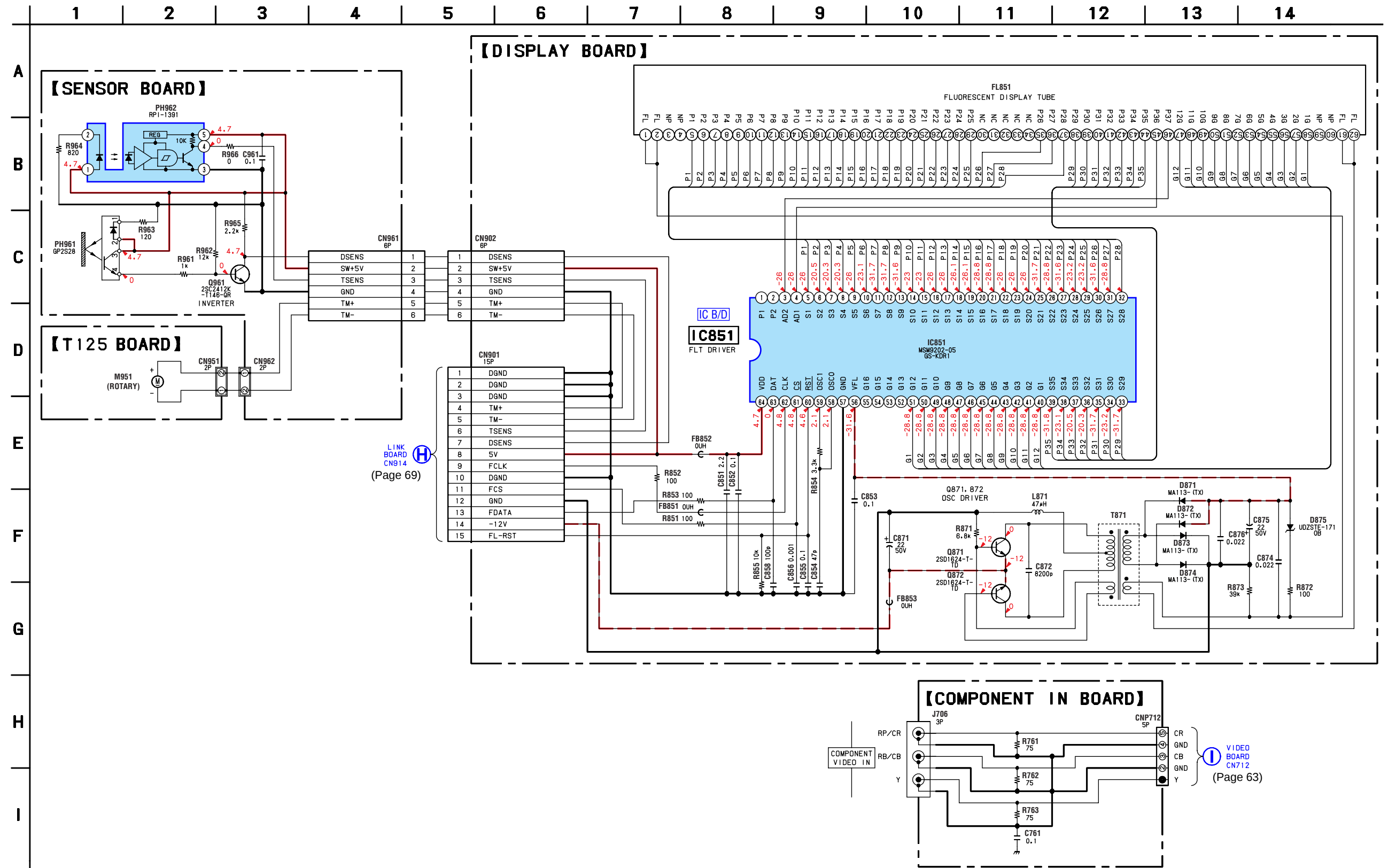
5-23. SCHEMATIC DIAGRAM — IN/OUT SECTION — • Refer to page 81 for IC Block Diagrams.



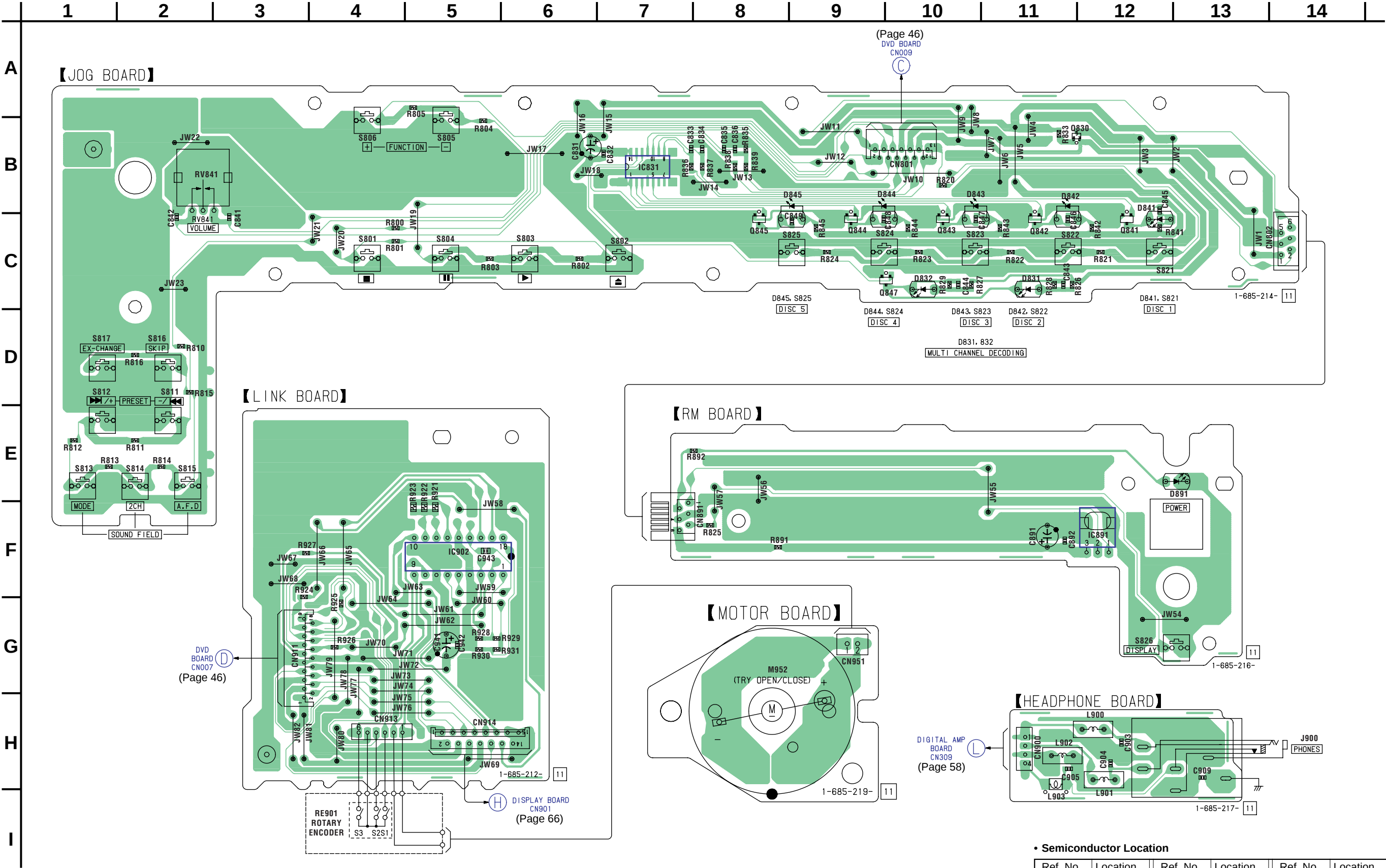
5-24. PRINTED WIRING BOARDS — DISPLAY SECTION — • Refer to page 41 for Circuit Boards Location.



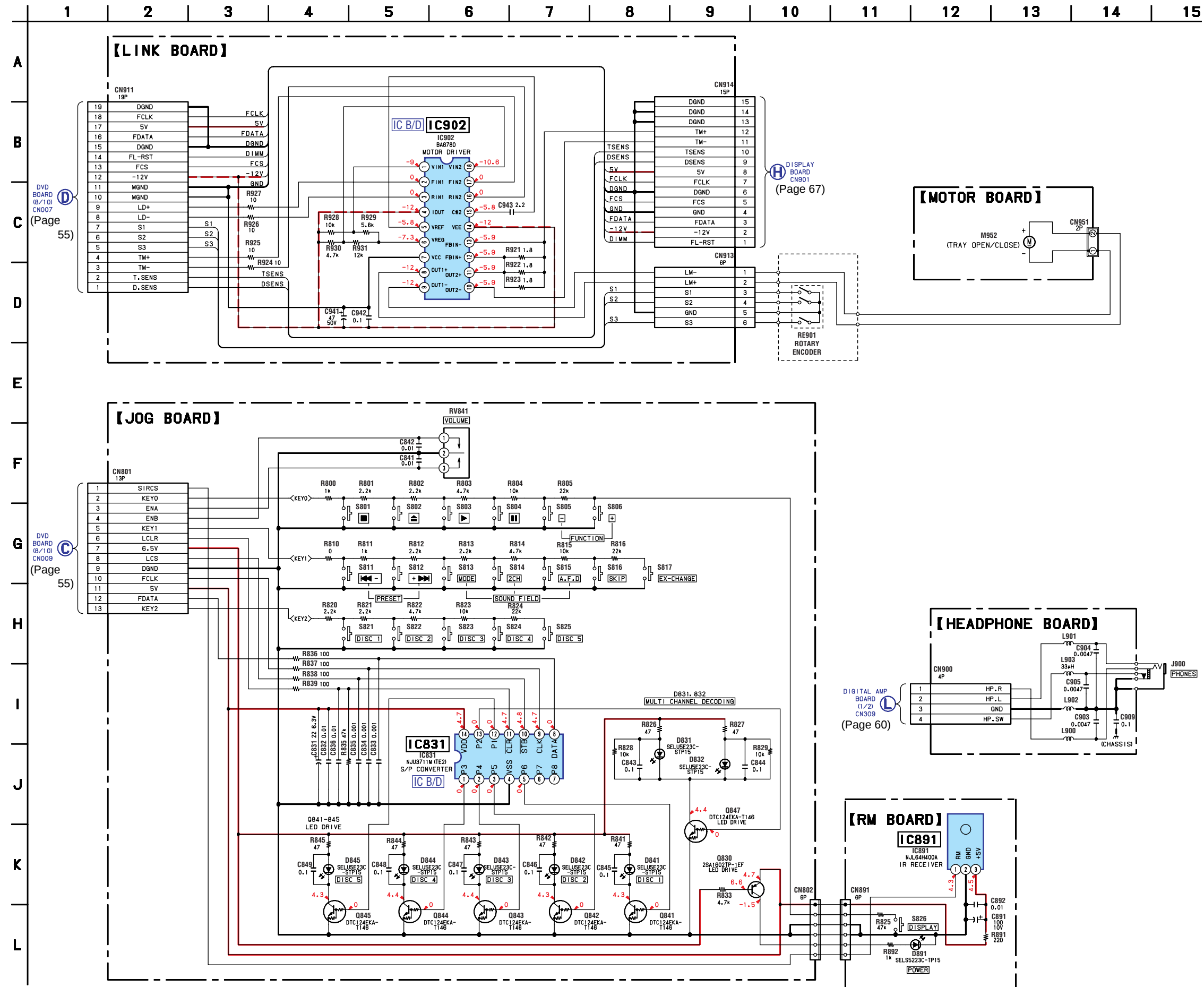
5-25. SCHEMATIC DIAGRAM — DISPLAY SECTION — • Refer to page 81 for IC Block Diagram.



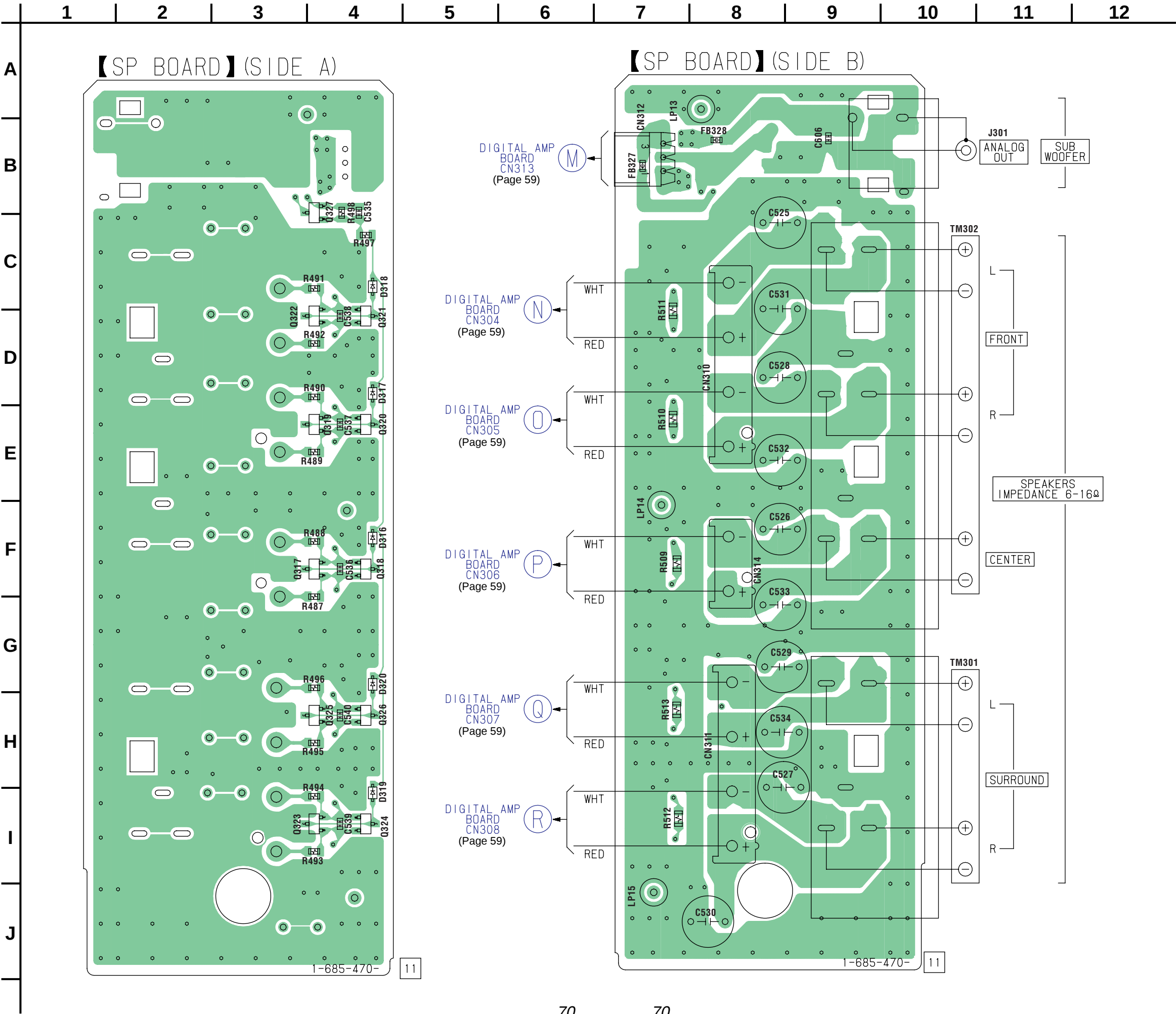
5-26. PRINTED WIRING BOARDS — PANEL SECTION — • Refer to page 41 for Circuit Boards Location.



5-27. SCHEMATIC DIAGRAM — PANEL SECTION — • Refer to page 82 for IC Block Diagrams.



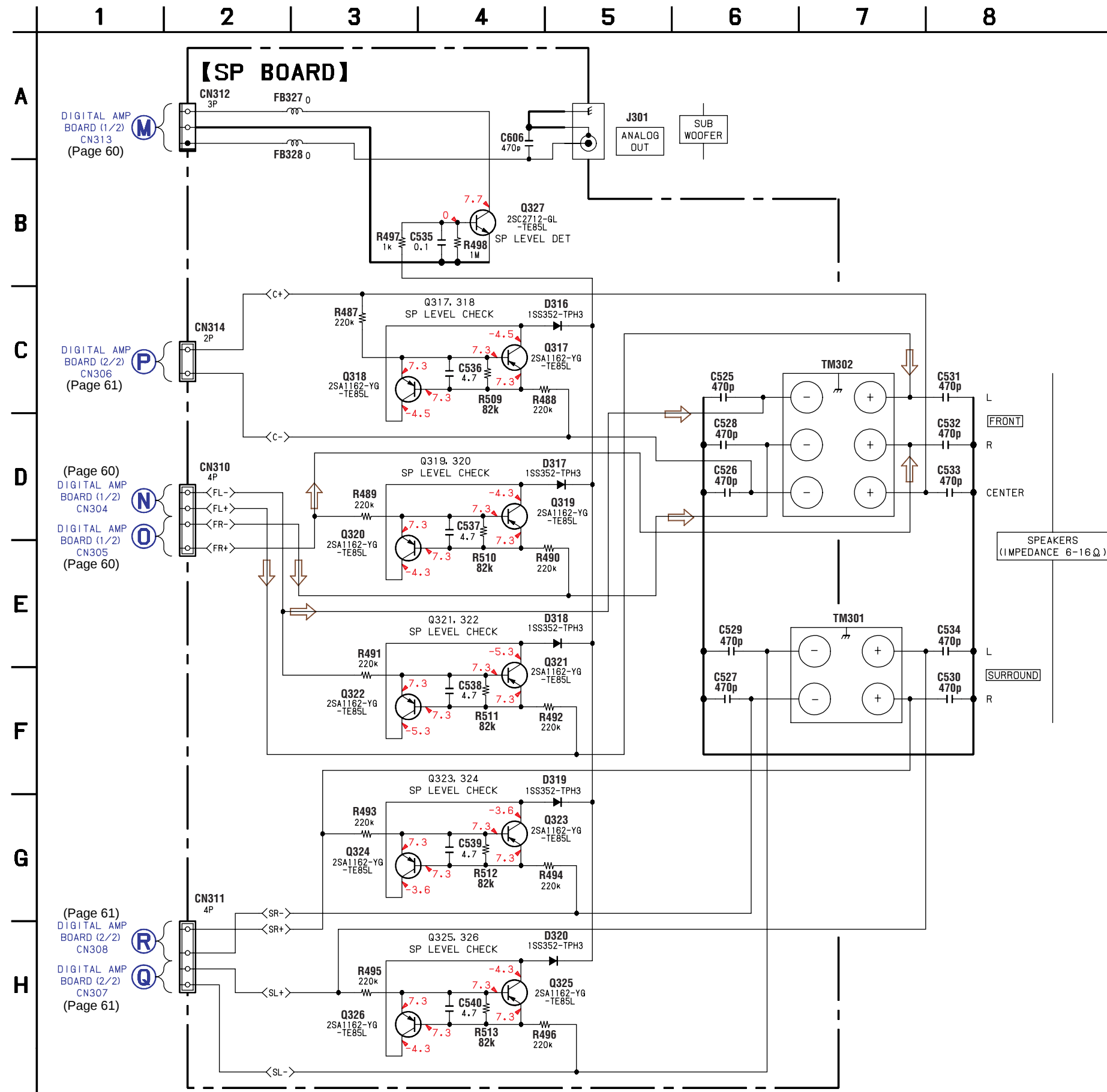
5-28. PRINTED WIRING BOARD — SPEAKER SECTION — • Refer to page 41 for Circuit Boards Location.



• Semiconductor Location

Ref. No.	Location
D316	F-4
D317	D-4
D318	C-4
D319	I-4
D320	G-4
Q317	F-3
Q318	F-4
Q319	E-4
Q320	E-4
Q321	D-4
Q322	D-3
Q323	I-3
Q324	I-4
Q325	H-4
Q326	H-4
Q327	B-4

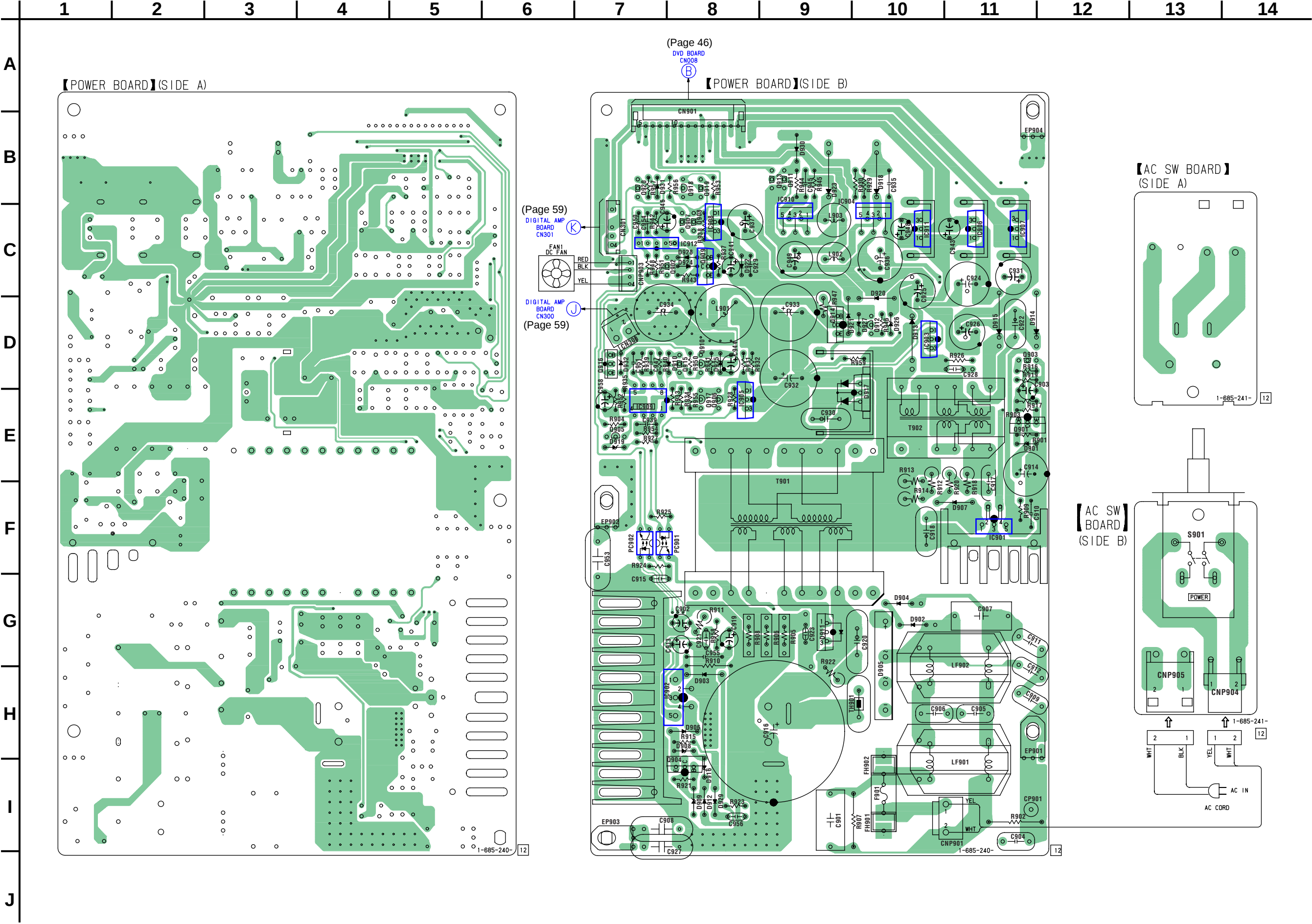
5-29. SCHEMATIC DIAGRAM — SPEAKER SECTION —



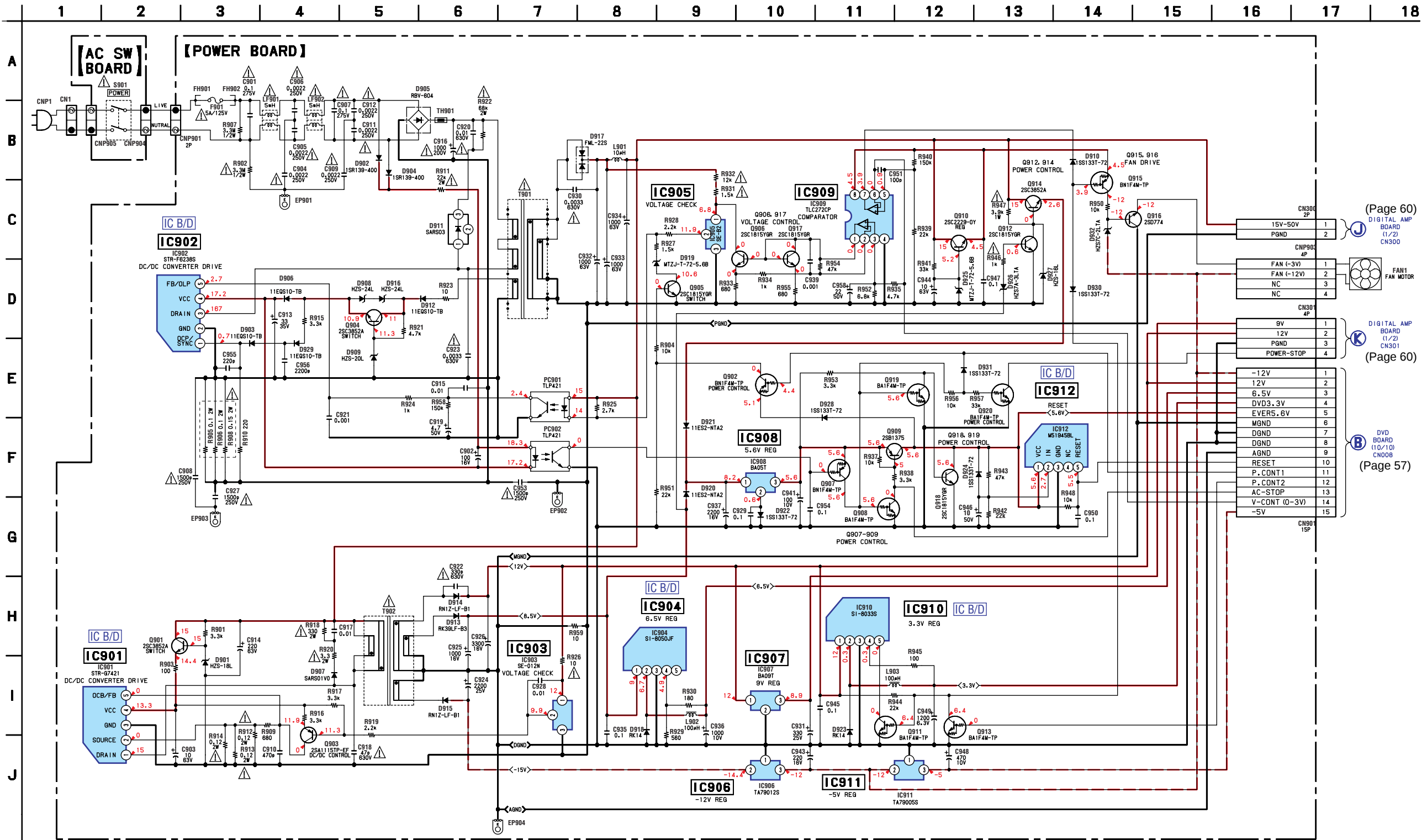
5-30. PRINTED WIRING BOARDS — POWER SECTION —

• Refer to page 73 for Semiconductor Location.

• Refer to page 41 for Circuit Boards Location.



5-31. SCHEMATIC DIAGRAM — POWER SECTION — • Refer to page 82 for IC Block Diagrams.

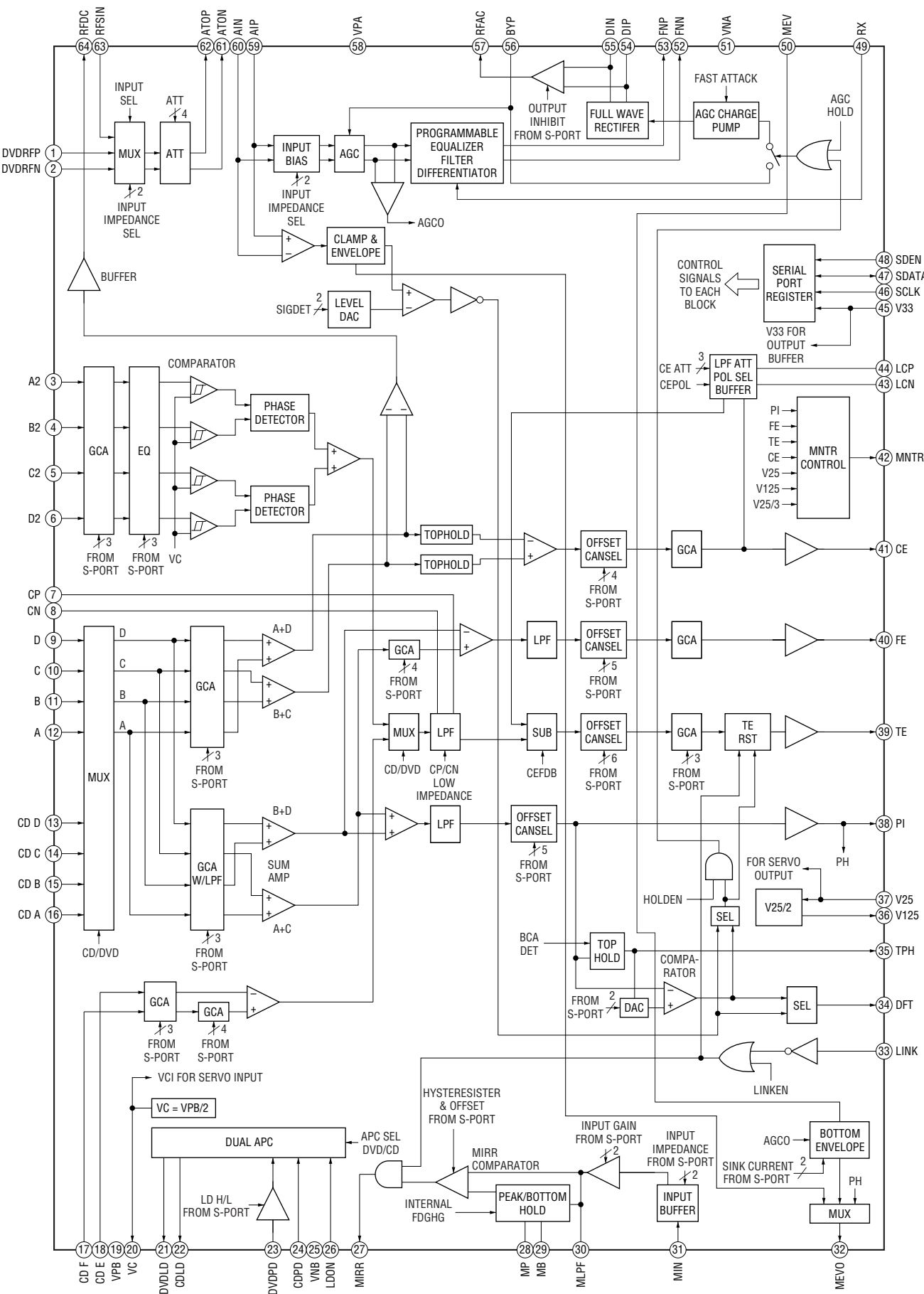


• Semiconductor Location

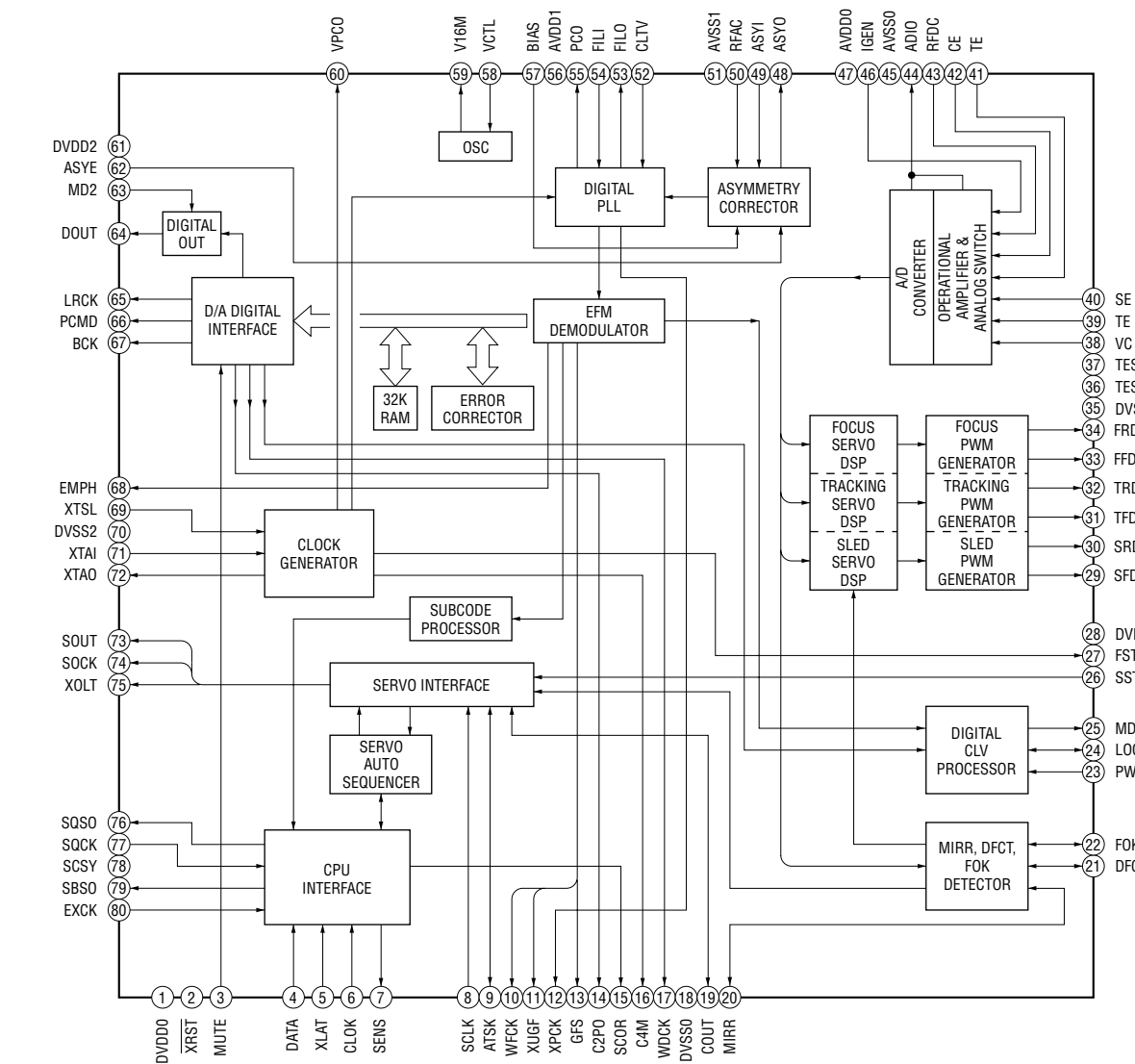
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D901	E-11	D911	G-9	D921	D-9	D931	B-7	IC908	C-8	Q902	C-8
D902	G-10	D912	I-8	D922	C-8	D932	D-7	IC909	E-7	Q903	D-11
D903	H-8	D913	D-10	D923	B-9			IC910	C-9	Q904	I-8
D904	G-10	D914	D-11	D924	C-8	IC901	F-11	IC911	C-10	Q905	E-7
D905	H-10	D915	D-11	D925	D-8	IC902	H-8	IC912	C-8	Q906	E-8
D906	H-8	D916	I-8	D926	D-10	IC903	D-10			Q907	C-8
D907	F-11	D917	E-10	D927	D-10	IC904	C-10	PC901	F-8	Q908	C-8
D908	H-8	D918	B-10	D928	C-8	IC905	E-8	PC902	F-7	Q909	C-8
D909	I-8	D919	E-7	D929	I-8	IC906	C-11			Q910	D-8
D910	D-8	D920	D-10	D930	B-9	IC907	C-11	Q901	E-11	Q911	B-9

5-32. IC BLOCK DIAGRAMS

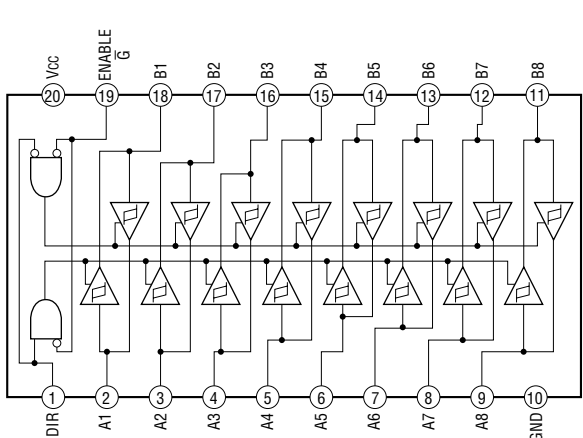
IC001 CXD1881AR (RF Board)



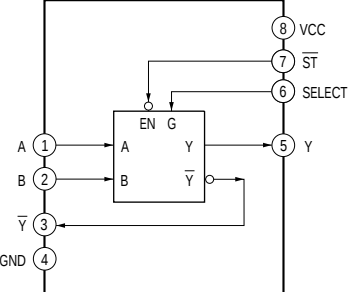
IC401 CXD3068Q (DVD Board)



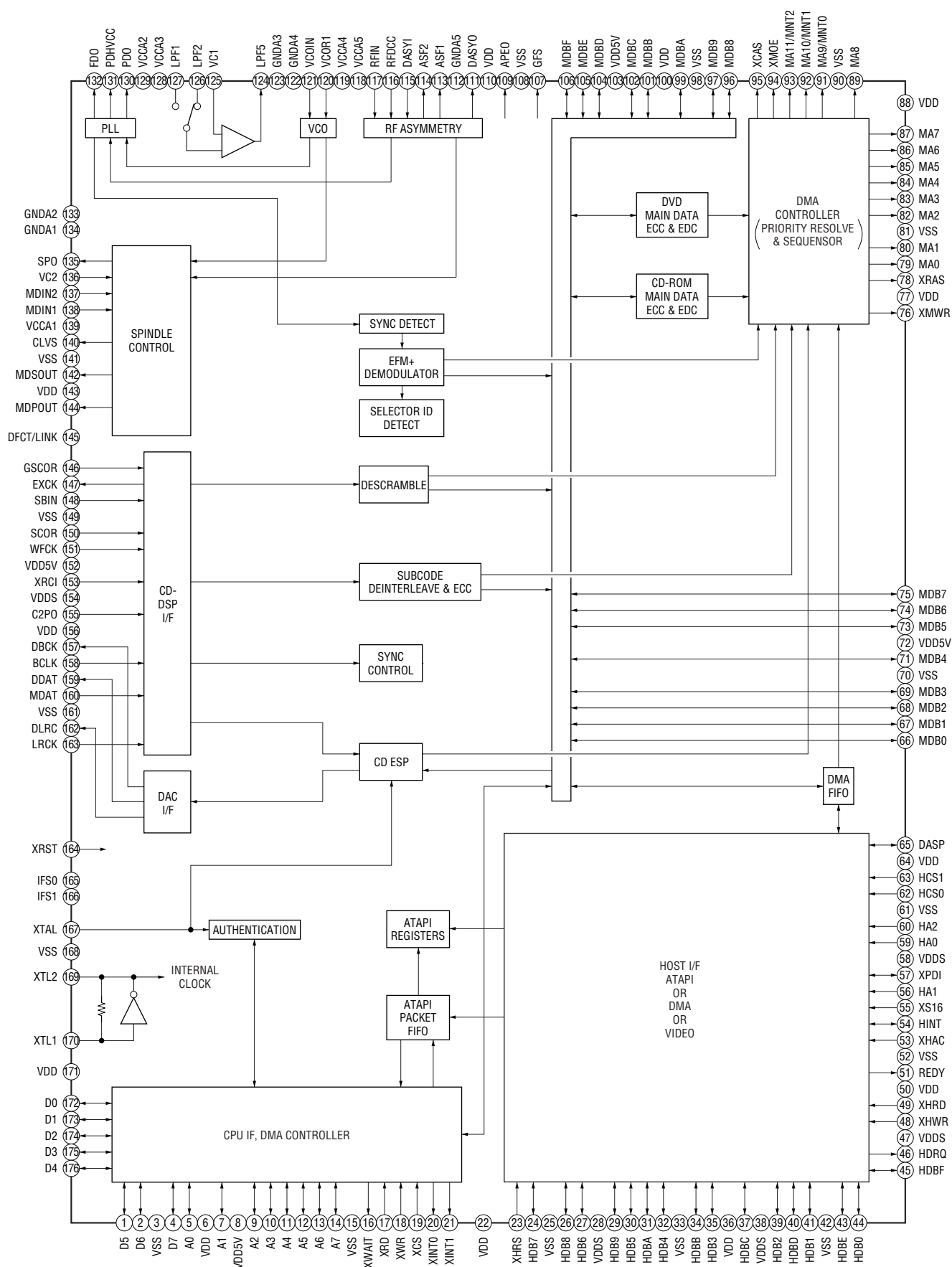
IC812 SN74LV245APWR (DVD Board)
IC813 SN74LV245APWR (DVD Board)



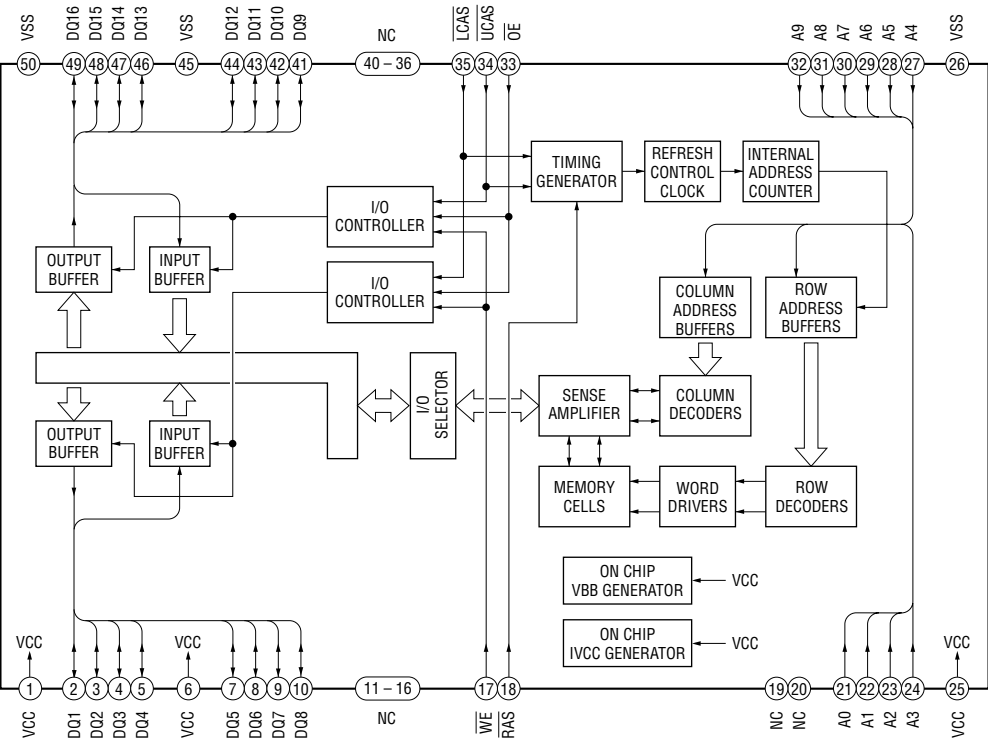
IC814 TC7WH157FK (DVD Board)



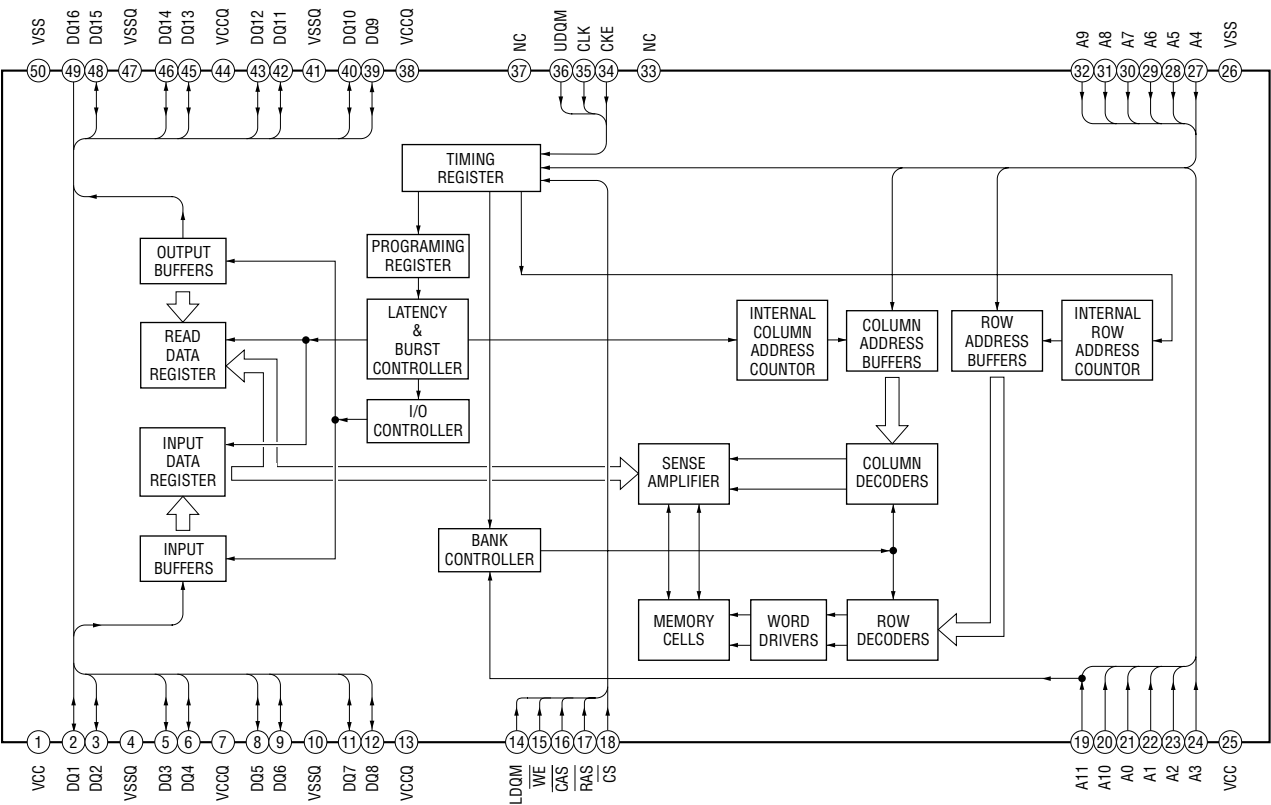
IC701 CXD1882R (DVD Board)



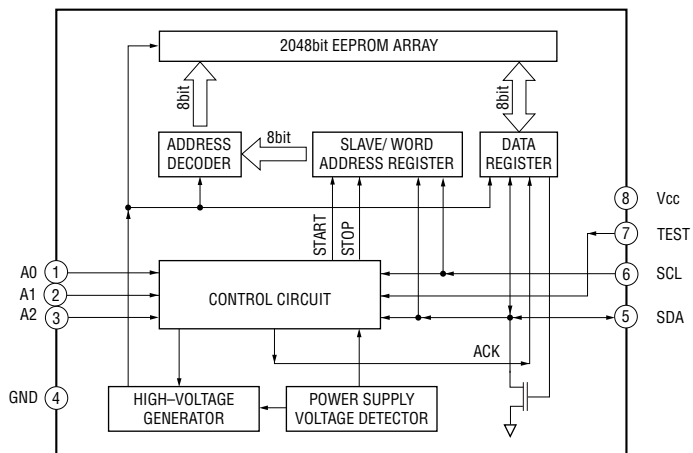
IC706 MSM51V18165F-60TSKR1 (DVD Board)



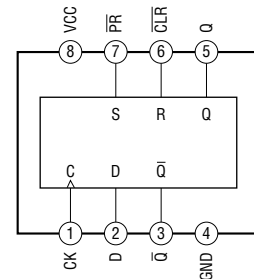
IC808 MSM56V16160F-8TK7R1 (DVD Board)



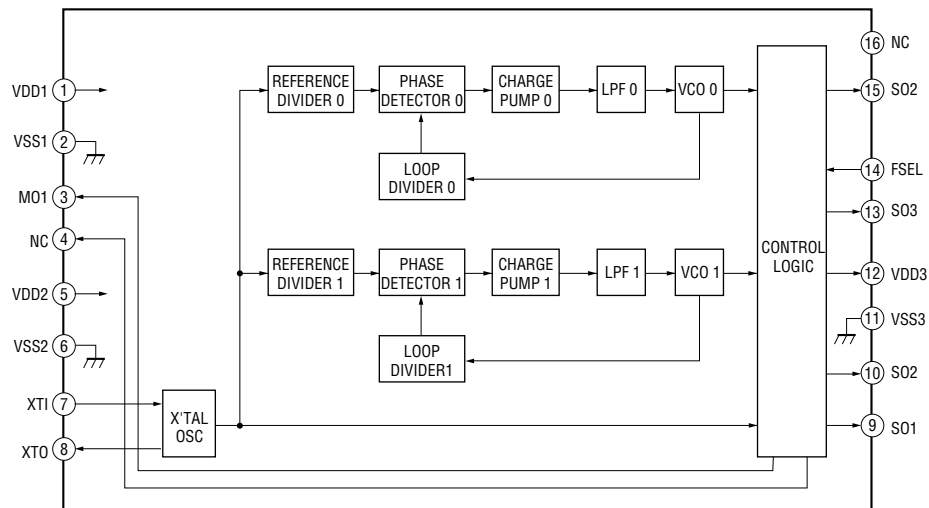
IC302 BR24C08F-E2 (DVD Board)



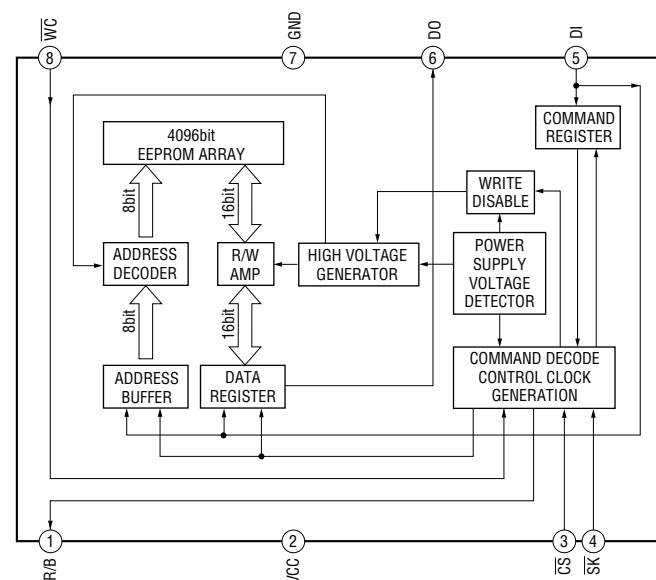
IC803 TC7W74FU (DVD Board)



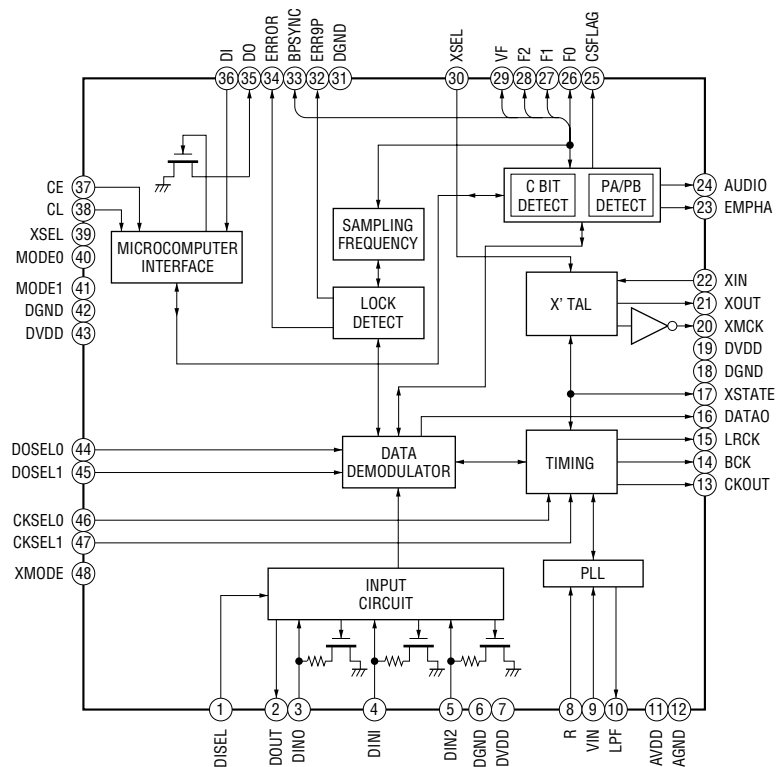
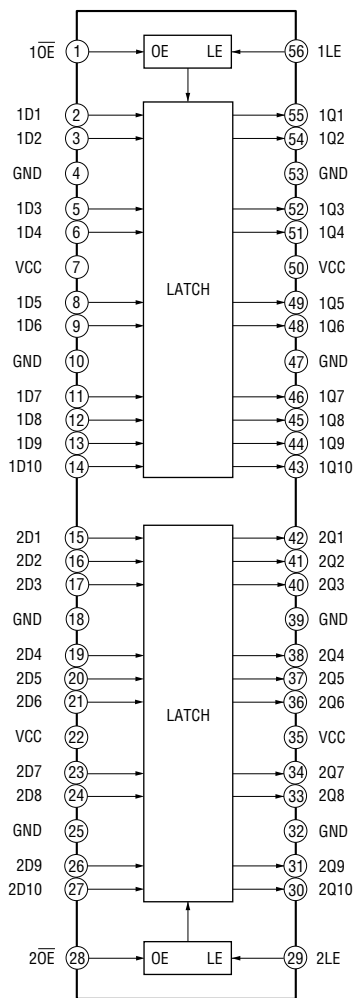
IC303 SM8707GV (DVD Board)



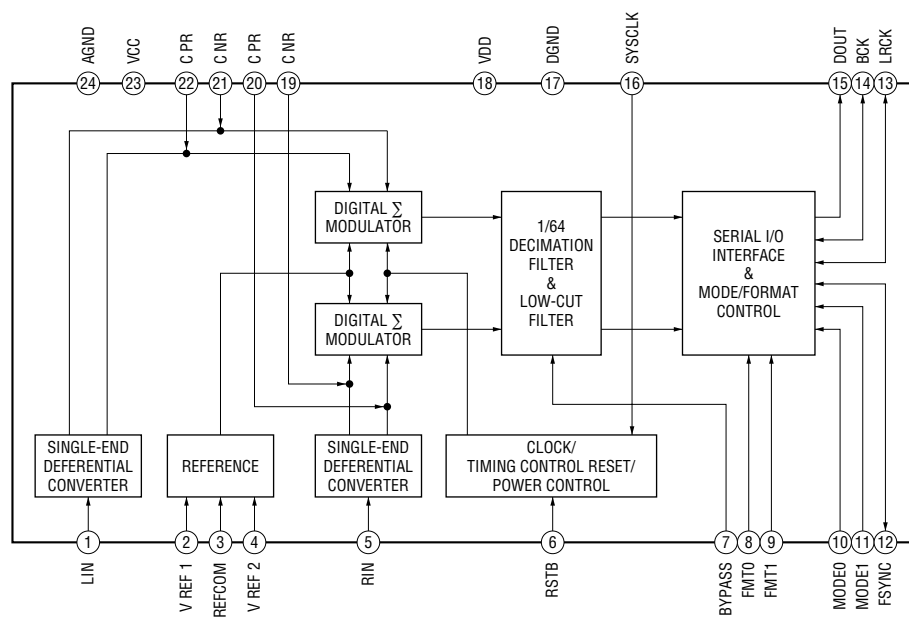
IC203 BR9040F (DVD Board)



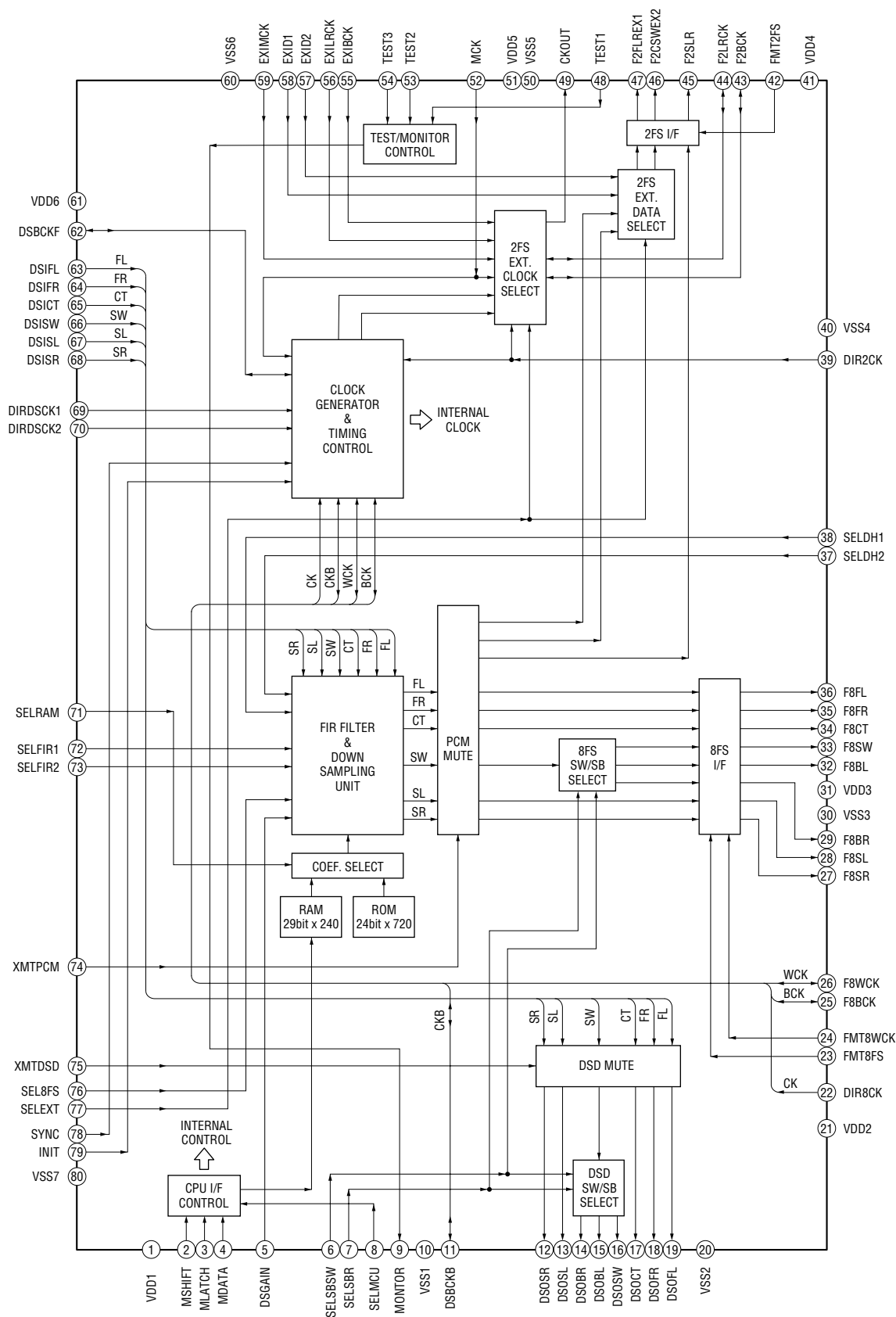
IC606 LC89056W (DVD Board)



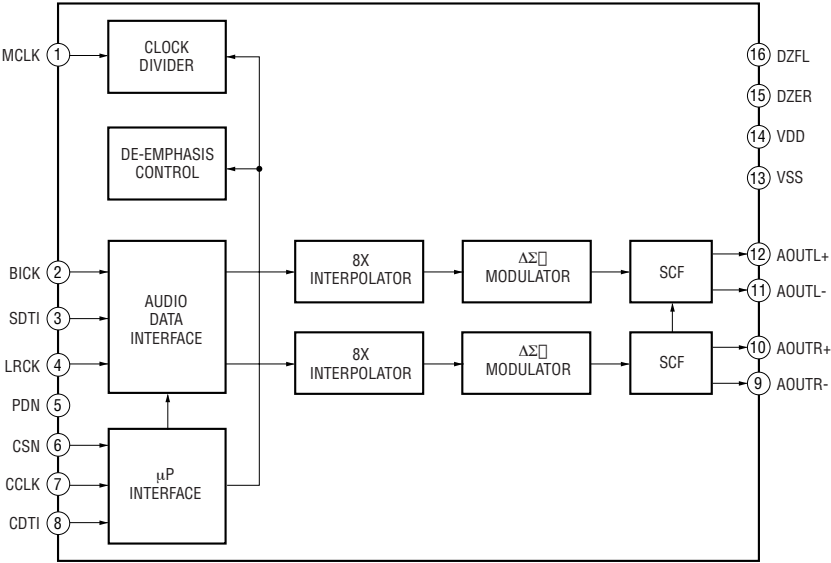
IC602 PCM1800 (DVD Board)



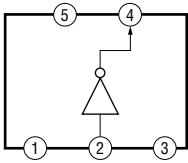
IC612 CXD9633Q (DVD Board)



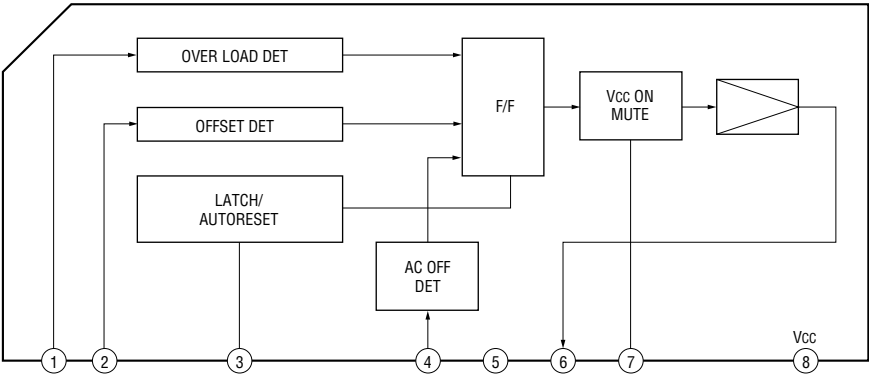
IC608 CXD9627A-E2 (DVD Board)



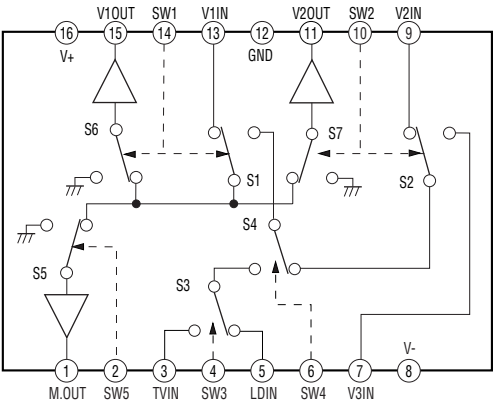
IC325 TC7SHU04FU-TE85R (DIGITAL AMP Board)



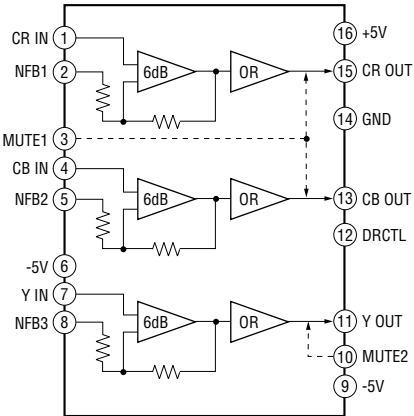
IC327 μPC1237HA (DIGITAL AMP Board)



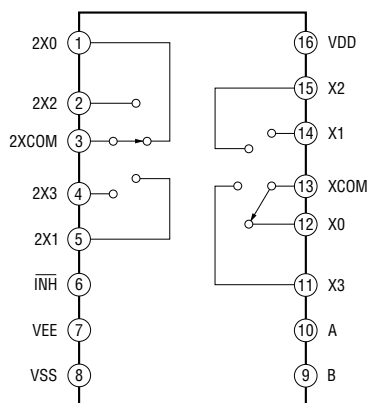
IC701 NJM2296M (VIDEO Board)
IC702 NJM2296M (VIDEO Board)



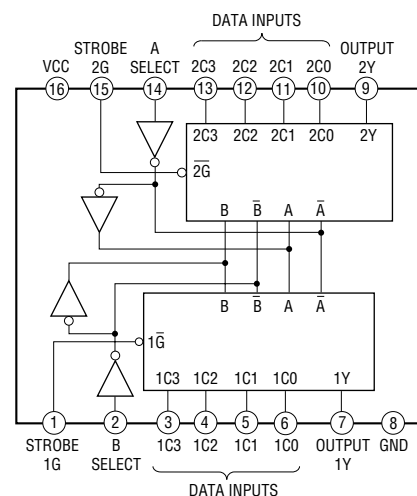
IC704 LA7104M (VIDEO Board)



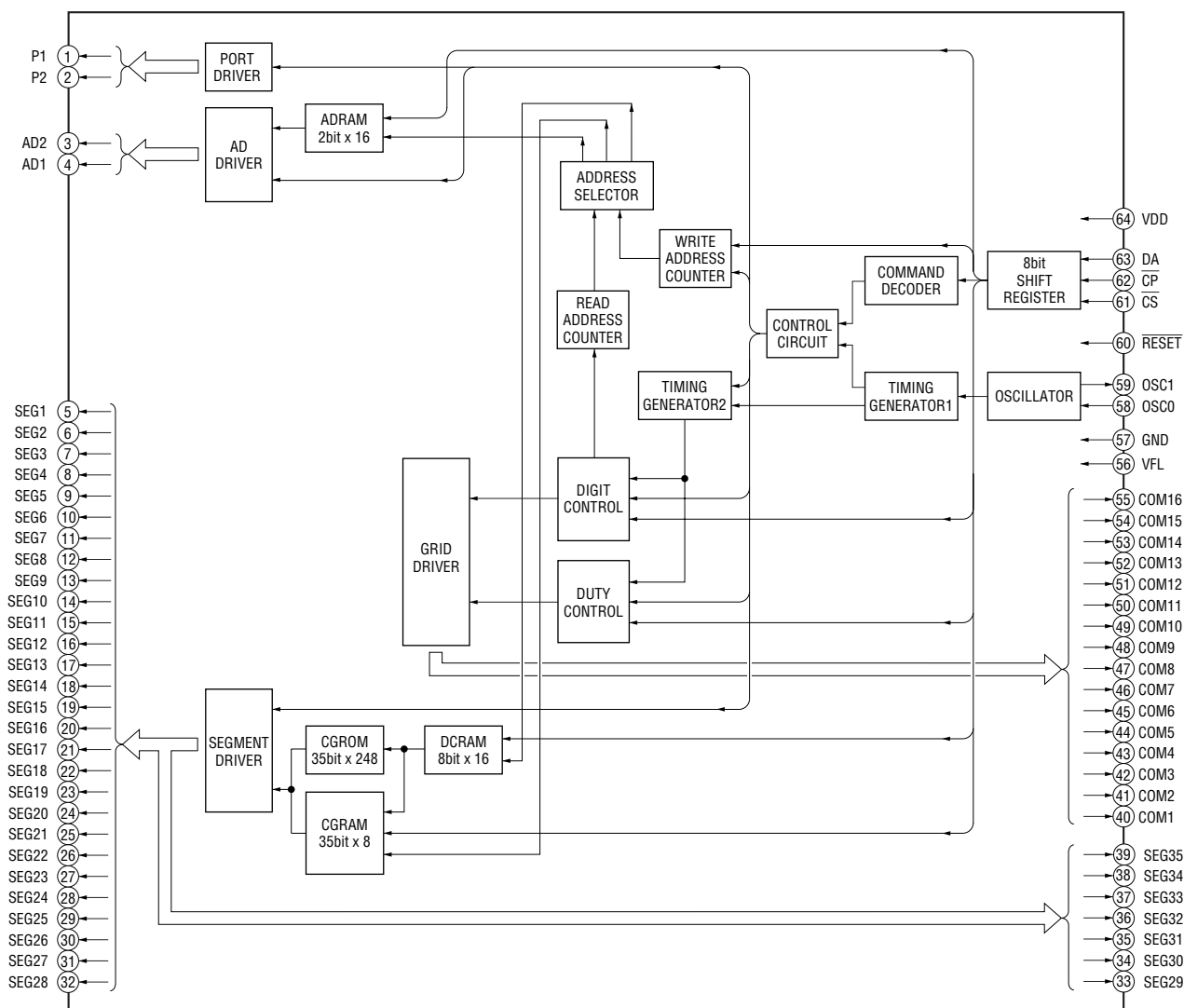
IC607 MC14052BDR2
(ANALOG I/O Board)



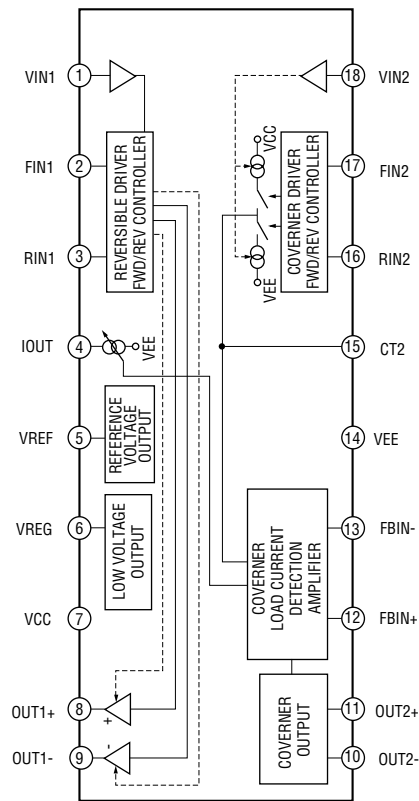
IC655 SN74HC153ANS-E05
(DIGITAL I/O Board)



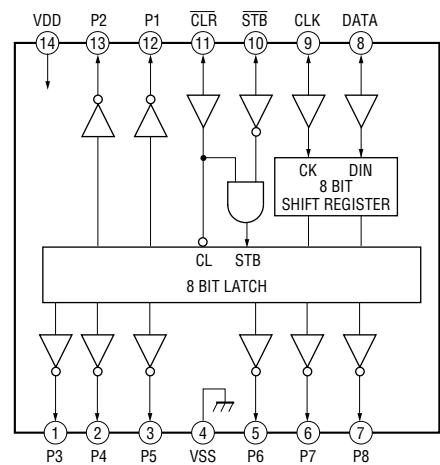
IC851 MSM9202-05GS-KDR1 (DISPLAY Board)



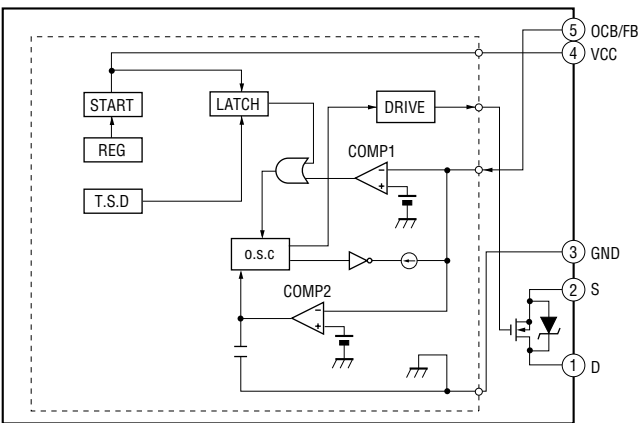
IC902 BA6780 (LINK Board)



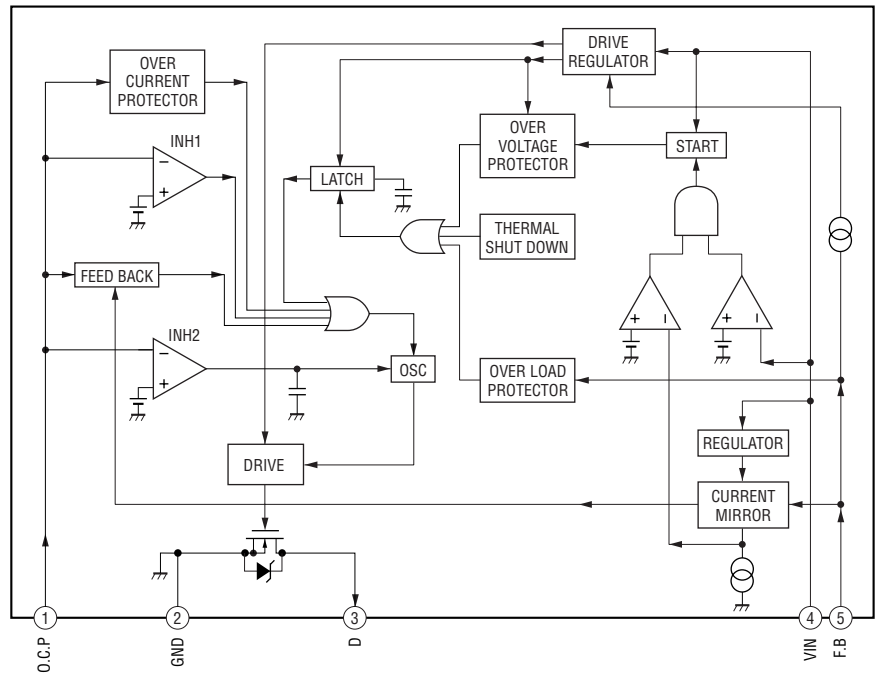
IC831 NJU3711M (TE2) (JOG Board)



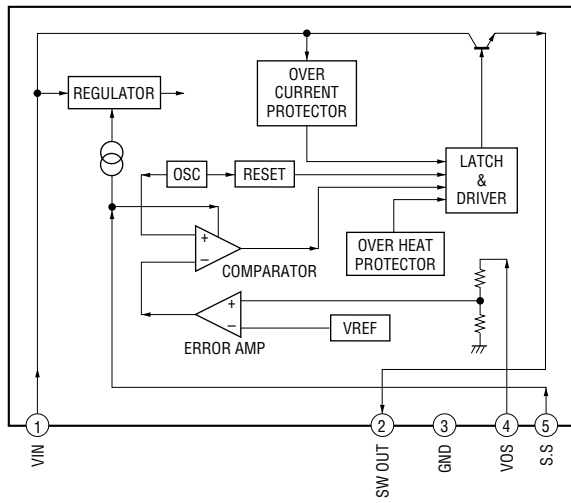
IC901 STR-G7421 (POWER Board)



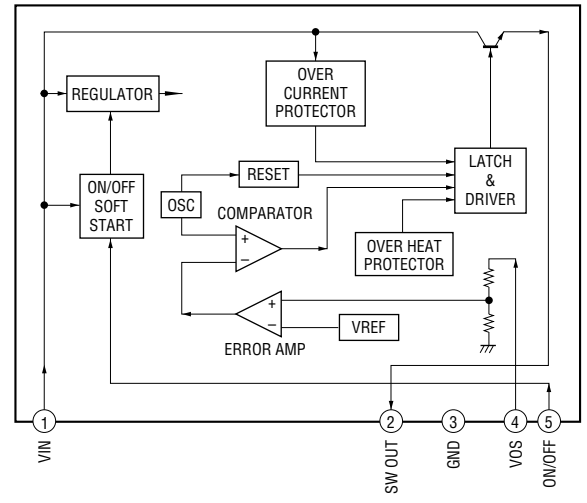
IC902 STR-F6238S (POWER Board)



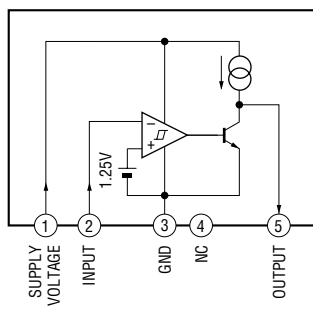
IC904 SI-8050JF (POWER Board)



IC910 SI-8033S (POWER Board)



IC912 M51945BL (POWER Board)



SECTION 6

EXPLODED VIEWS

NOTE:

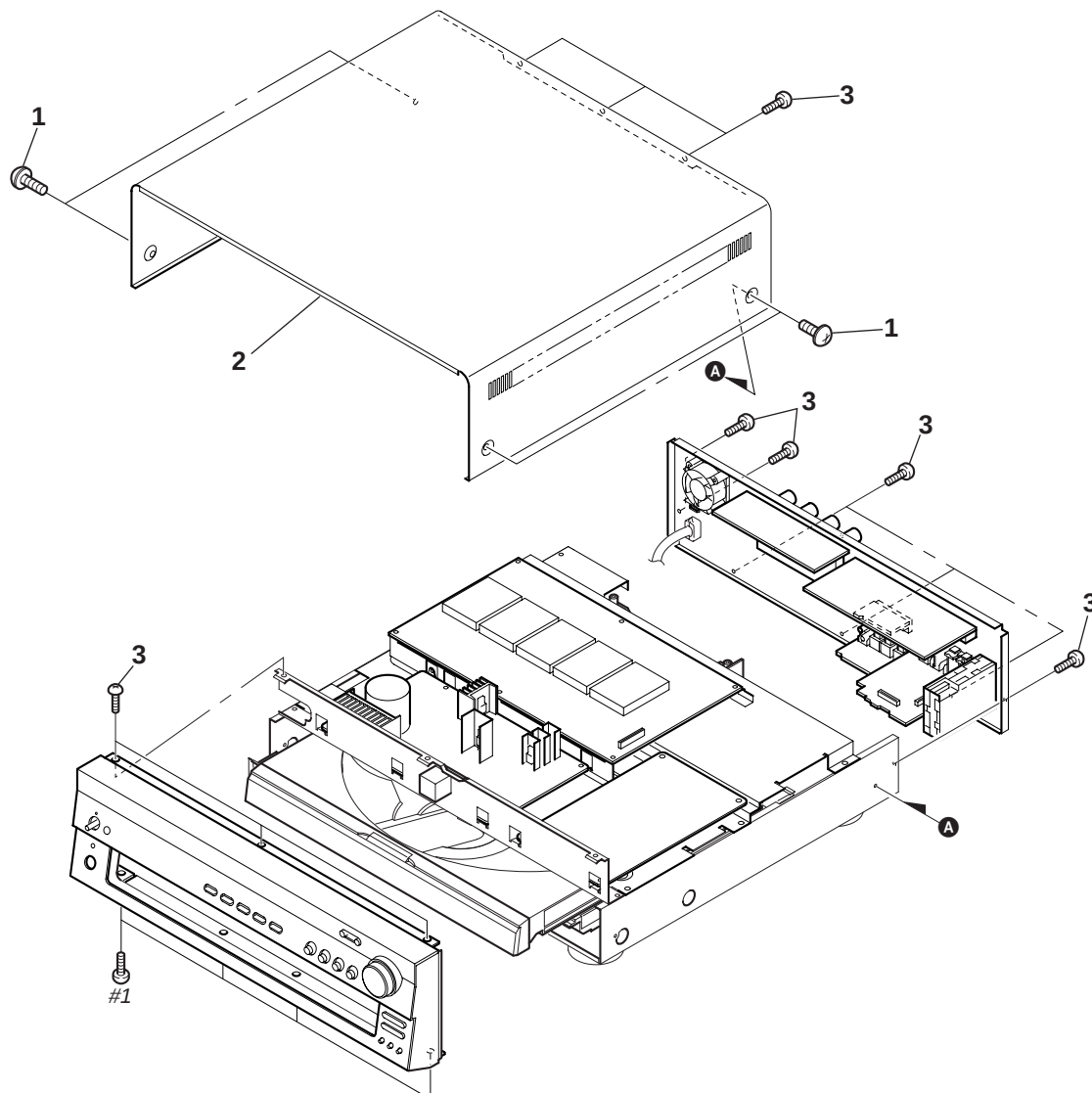
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference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

- Color Indication of Appearance Parts
Example :
 KNOB, BALANCE (WHITE) ... (RED)
 ↑ ↑
 Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.
- Abbreviation
CND : Canadian model

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

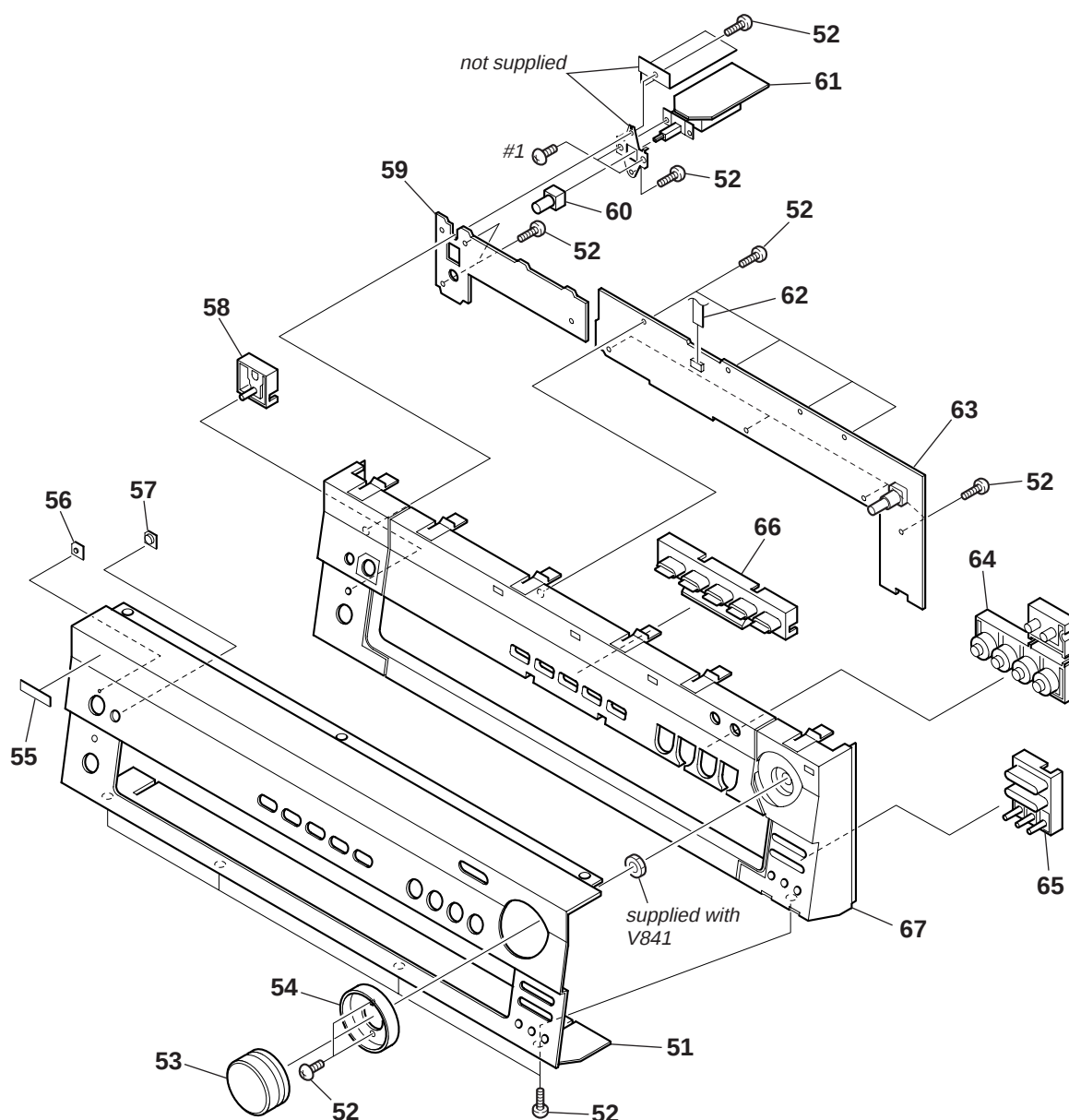
Les composants identifiés par une
marque  sont critiques pour
la sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

6-1. CASE SECTION



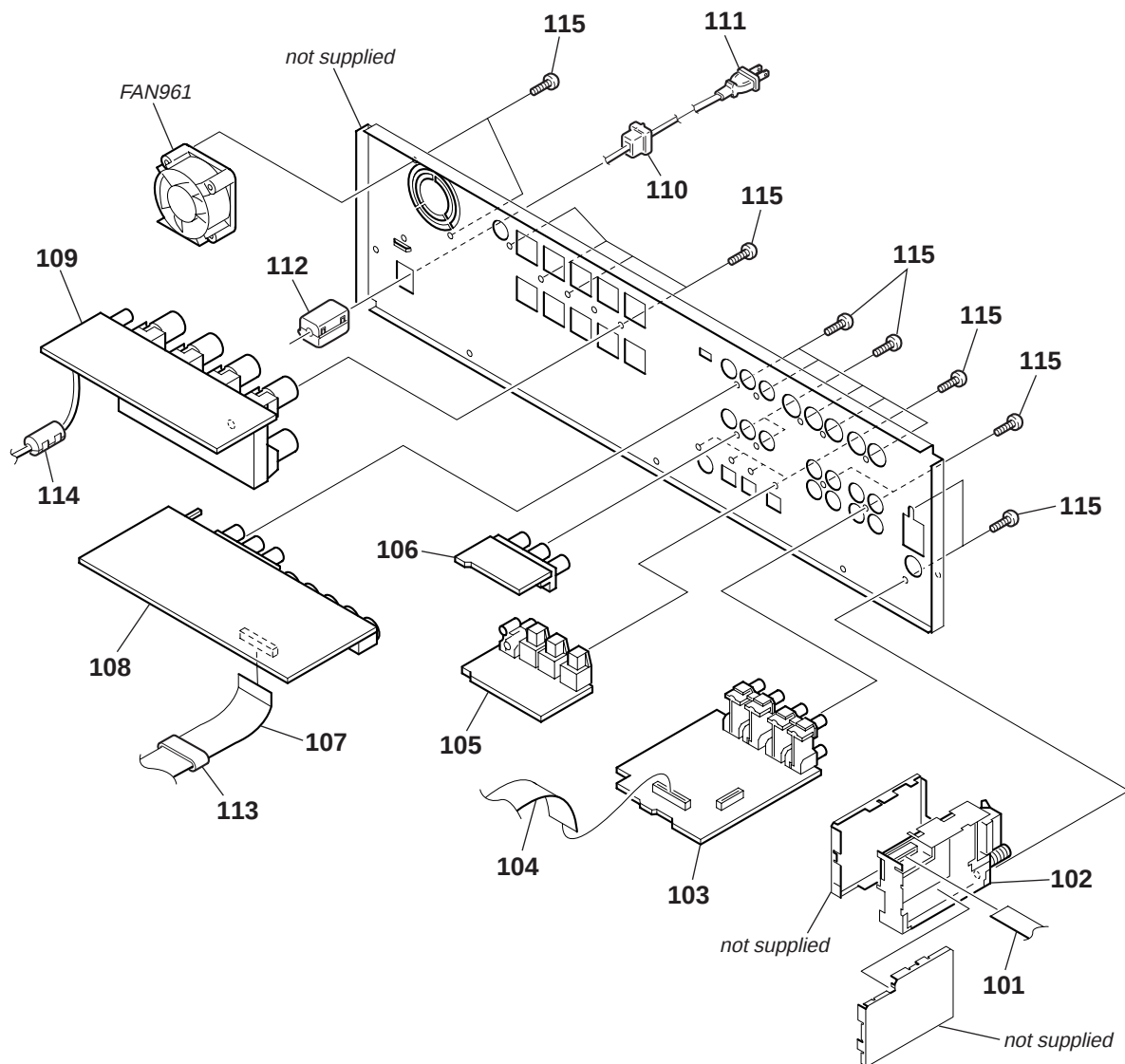
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-227-843-11	SCREW (TP), FLAT HEAD		3	3-704-515-21	SCREW (BV/RING)	
2	4-239-514-31	CASE		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

6-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-239-519-01	PANEL, FRONT		60	X-4954-806-1	BUTTON (POWER) ASSY	
52	4-951-620-01	SCREW (2.6X8), +BVTP		61	1-685-241-11	AC SW BOARD	
53	X-4954-808-1	KNOB (D37) ASSY		62	1-775-127-11	WIRE (FLAT TYPE) (13 CORE)	
54	4-239-532-01	RING, ORNAMENTAL		63	A-4729-097-A	JOG BOARD, COMPLETE	
55	4-942-568-61	EMBLEM (NO.5), SONY		64	X-4954-810-1	BUTTON (FUNCTION) ASSY	
56	4-239-528-01	INDICATOR		65	4-239-535-01	BUTTON (SKIP)	
57	4-239-529-01	WINDOW (REMOTE CONTROL)		66	X-4954-809-1	BUTTON (DISC) ASSY	
58	4-239-616-01	BUTTON (DISPLAY)		67	4-239-525-01	PANEL (BASE)	
59	1-685-216-11	RM BOARD		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

6-3. BACK PANEL SECTION

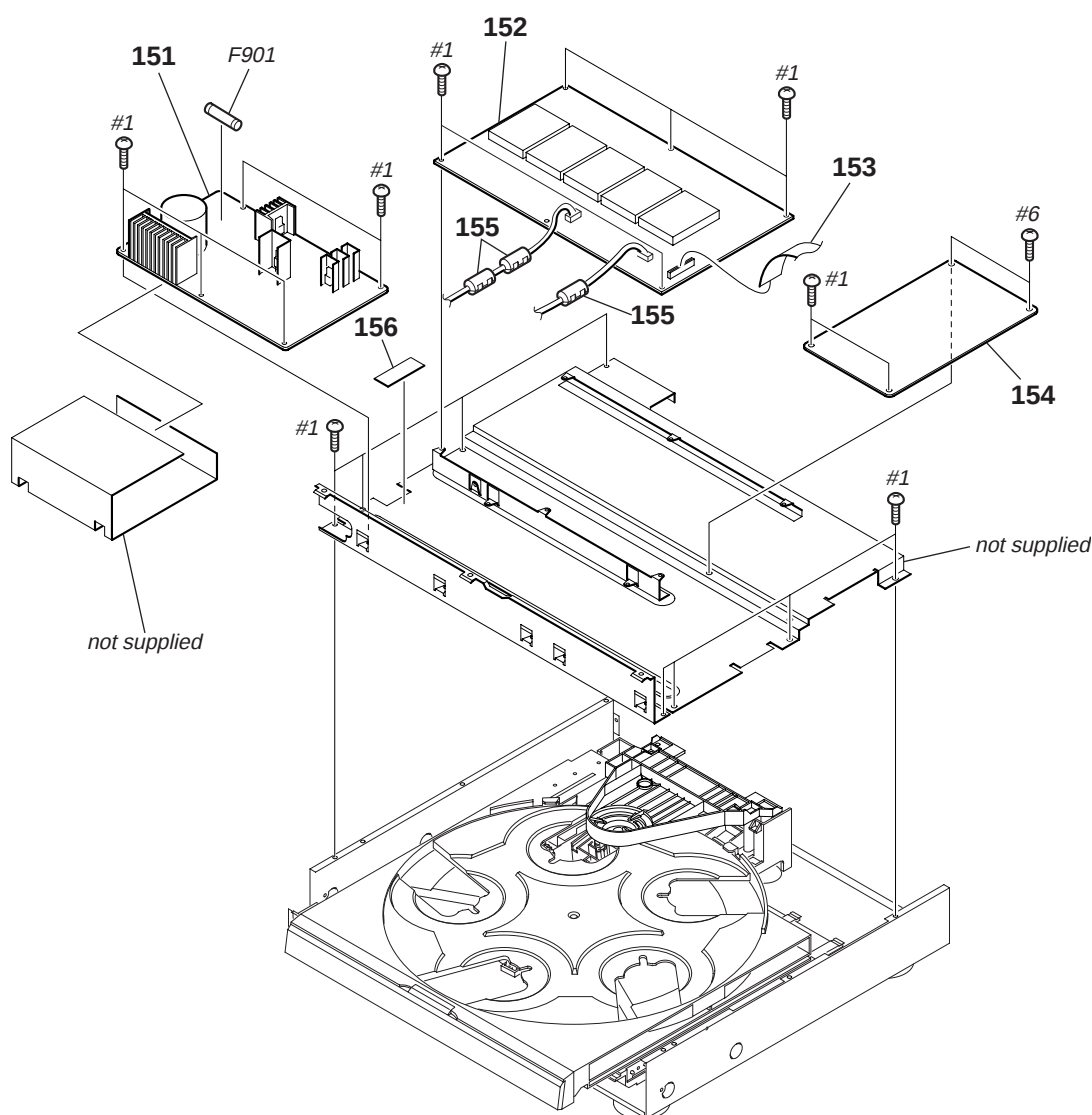


The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified.

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	1-769-972-11	WIRE (FLAT TYPE) (13 CORE)		109	A-4729-091-A	SP BOARD, COMPLETE	
102	A-4726-404-A	TUNER UNIT (FM/AM)		* 110	3-703-244-00	BUSHING (2104), CORD	
103	A-4729-100-A	LINK BOARD, COMPLETE		△ 111	1-783-820-21	CORD, POWER	
104	1-824-614-11	WIRE (FLAT TYPE) (25 CORE)		112	1-500-435-11	FILTER, CLAMP (FERRITE CORE)	
105	1-685-211-11	DIGITAL I/O BOARD		113	1-500-764-11	CORE, FERRITE	
106	1-685-631-11	COMPONENT IN BOARD		114	1-500-051-21	BEAD, FERRITE (WITH CASE)	
107	1-824-709-11	WIRE (FLAT TYPE) (23 CORE)		115	3-704-515-21	SCREW (BV/RING)	
108	A-4729-092-A	VIDEO BOARD, COMPLETE		FAN1	1-763-561-31	FAN, D.C.	

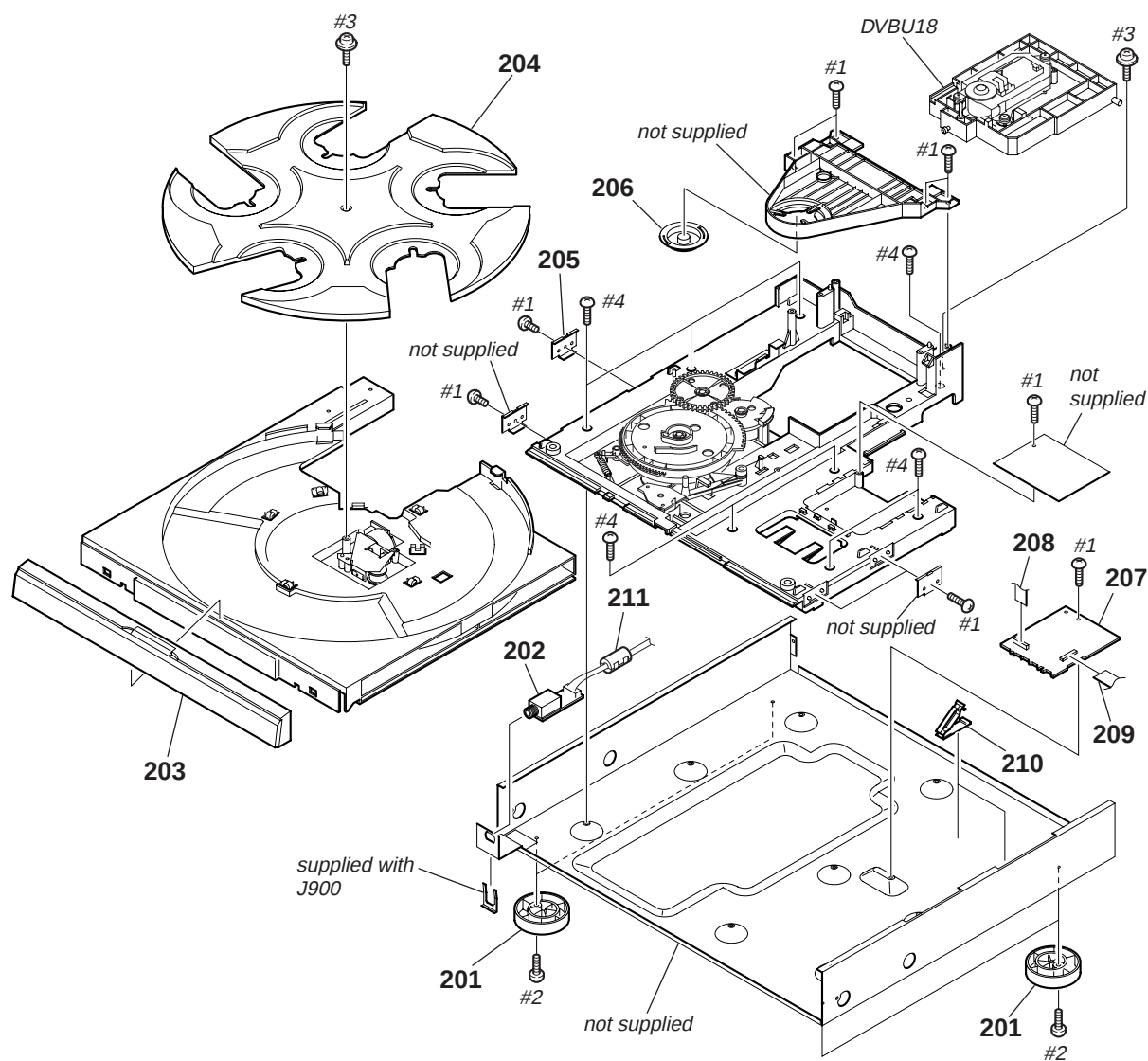
6-4. BOARDS SECTION



The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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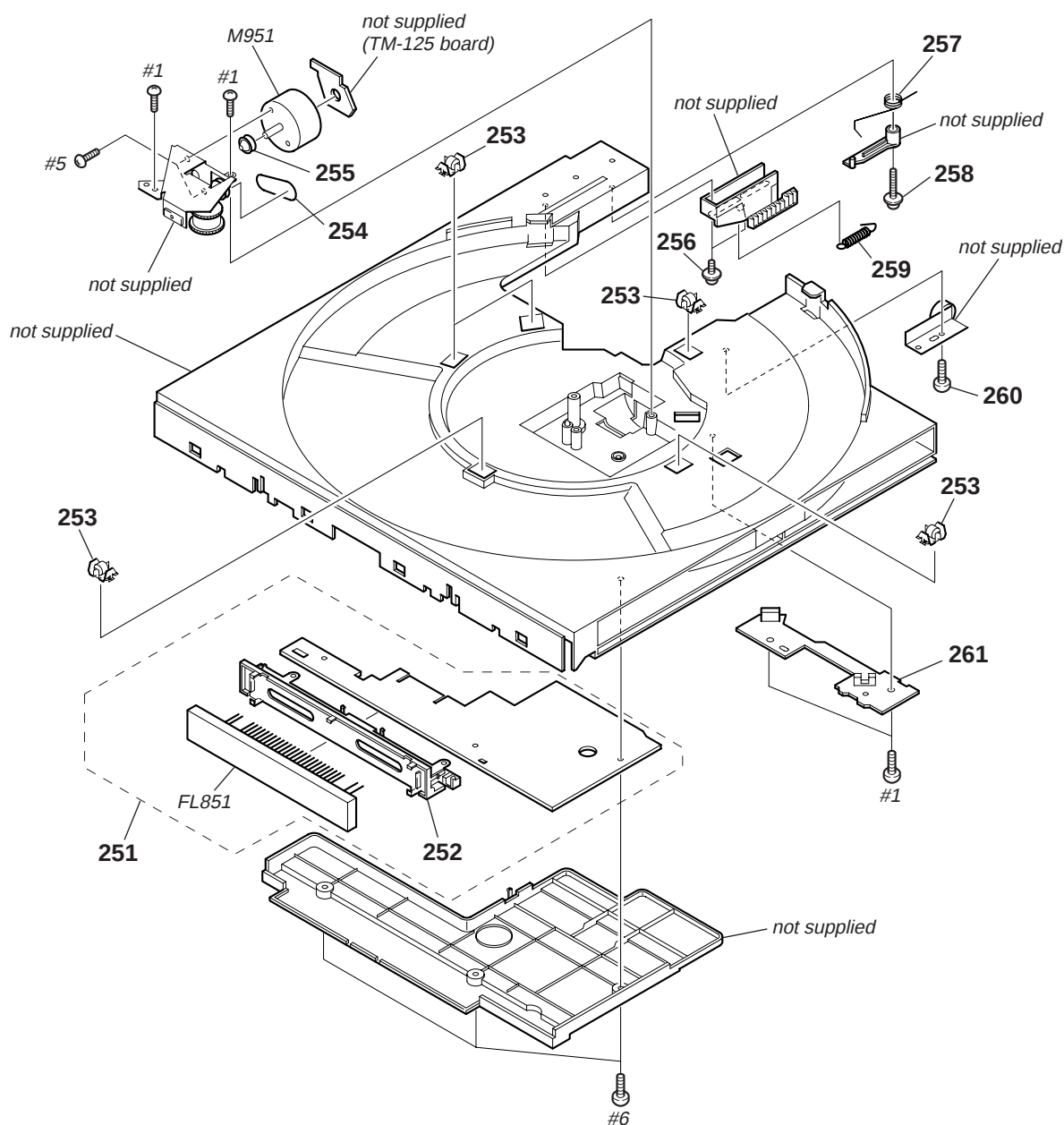
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-4729-090-A	POWER BOARD, COMPLETE (US)		* 156	3-703-044-26	LABEL, CAUTION	
151	A-4729-107-A	POWER BOARD, COMPLETE (Canadian)		Δ F901	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA.5)	(5A/125V)
152	A-4729-093-A	DIGITAL AMP BOARD, COMPLETE		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
153	1-775-257-11	WIRE (FLAT TYPE) (29 CORE)		#6	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
154	A-4729-086-A	DVD BOARD, COMPLETE					
155	1-500-051-21	BEAD, FERRITE (WITH CASE)					

6-5. MECHANISM SECTION (1)



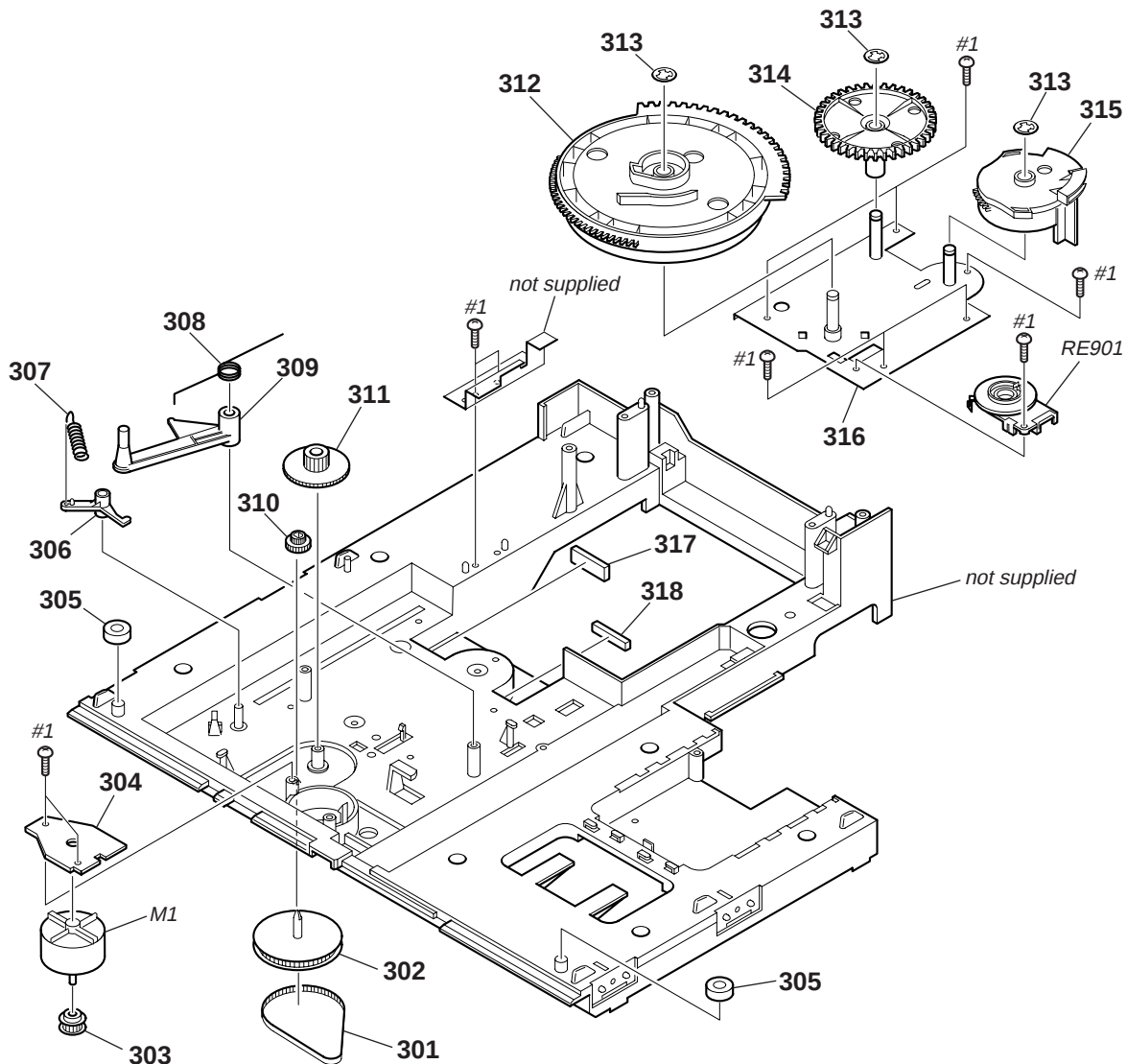
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	X-4953-882-2	FOOT ASSY		209	1-776-166-11	WIRE (FLAT TYPE) (19 CORE)	
202	1-685-217-11	HEADPHONE BOARD		* 210	3-225-496-01	CLAMP (FLAT CLAMP 45)	
203	A-4723-351-A	PANEL (LOADING) ASSY		211	1-469-969-11	CLAMP, FERRITE	
204	3-062-119-03	TABLE (ROTARY)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
205	4-957-280-31	BRACKET (GUIDE B1)		#2	7-685-885-09	SCREW +BVTT 4X16 (S)	
206	3-056-532-11	PULLEY, CHUCKING		#3	7-685-648-79	SCREW (M3X12), TAPPING	
207	A-4729-095-A	ANALOG I/O BOARD, COMPLETE		#4	7-685-870-01	SCREW +BVTT 3X5 (S)	
208	1-824-685-11	WIRE (FLAT TYPE) (15 CORE)					

6-6. MECHANISM SECTION (2)



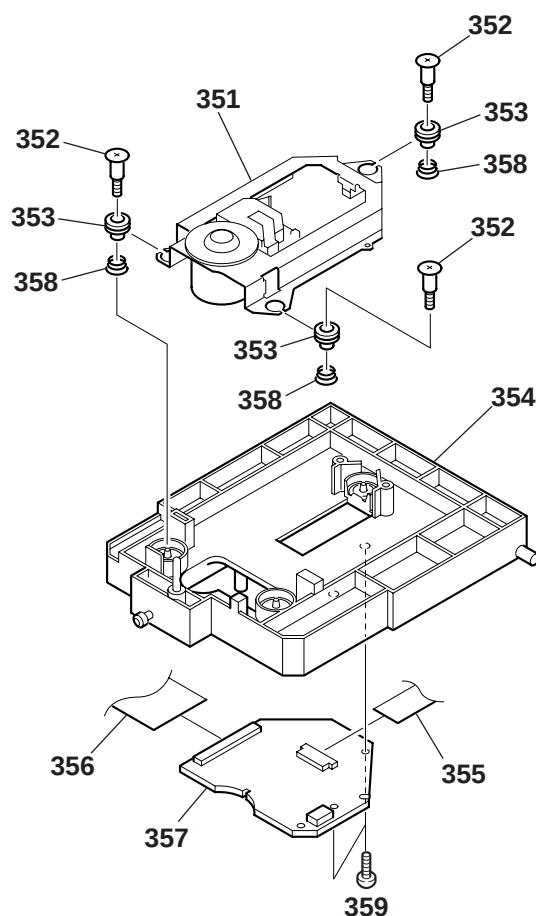
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	A-4729-096-A	DISPLAY BOARD, COMPLETE		259	4-957-294-11	SPRING (D.T), TENSION	
252	4-239-539-01	HOLDER (FL)		260	3-970-608-11	SUMITITE (B3), +BV	
253	X-4947-960-1	ROLLER ASSY		261	A-4729-102-A	SENSOR BOARD, COMPLETE	
254	3-051-076-01	BELT (RM)		FL851	1-518-821-11	INDICATOR TUBE, FLUORESCENT	
255	3-070-039-01	PULLEY (MOTOR)		M951	1-541-632-12	MOTOR, DC (ROTARY)	
256	3-066-708-01	SCREW (+PTPWH 2.6X10)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
257	3-069-092-01	SPRING (RACK DISENGAGEMENT)		#5	7-621-773-93	SCREW +B 2.6X3	
258	4-957-868-11	SCREW (+PTPWH 2.6X20)		#6	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

6-7. MECHANISM SECTION (3)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	4-944-490-01	BELT (TIMING)		312	4-957-288-01	GEAR (MAIN)	
302	X-3951-493-1	PULLEY ASSY		313	4-957-283-11	WASHER (5), STOPPER	
303	X-3951-492-1	PULLEY ASSY		314	4-957-287-01	GEAR (REV)	
304	1-685-219-11	MOTOR BOARD		315	4-957-286-11	GEAR (U/D)	
305	4-951-619-01	CUSHION (A)		316	X-3950-723-1	BRACKET (GEAR) ASSY	
306	3-061-963-01	LEVER, SET		* 317	4-981-731-01	CUSHION (U/D)	
307	4-962-087-01	SPRING (S), TENSION		* 318	4-981-731-11	CUSHION (U/D)	
308	4-957-281-11	SPRING (LOCK LEVER)		M1	1-763-790-11	MOTOR, DC (TRAY OPEN/CLOSE)	
309	3-061-962-01	LEVER, LOCK		RE901	1-466-996-21	ENCODER, ROTARY	
310	4-934-375-01	GEAR (LOADING B)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
311	3-064-440-01	GEAR (LOADING C)					

6-8. BASE UNIT SECTION (DVBU18)



The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
$\triangle$ 351	1-477-263-11	PICK-UP UNIT (TDP022W)		356	1-824-615-11	WIRE (FLAT TYPE) (29 CORE)	
352	4-981-923-01	SCREW (M), STEP		357	A-4728-690-A	RF BOARD, COMPLETE	
353	3-053-847-31	INSULATOR		358	4-240-044-01	SPRING (DBU), CONE TYPE COIL	
354	X-4954-873-2	HOLDER (73) ASSY		359	4-218-253-11	SCREW (M2.6), +BTTP	
355	1-824-106-12	CABLE, FLEXIBLE FLAT (24 CORE)					

SECTION 7
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

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

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
• CAPACITORS
uF : μ F
• COILS
uH : μ H
• Abbreviation
CND : Canadian model

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

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

Ref. No.	Part No.	Description	Remark
	1-685-241-11	AC SW BOARD *****	
		< CONNECTOR >	
* CNP904	1-695-044-11	PIN, CONNECTOR (3.96mm PITCH) 2P	
* CNP905	1-580-230-31	PIN, CONNECTOR (PC BOARD) 2P	
		< SWITCH >	
$\triangle$ S901	1-692-349-11	SWITCH, PUSH (AC POWER) (POWER)	

	A-4729-095-A	ANALOG I/O BOARD, COMPLETE *****	
		< CAPACITOR >	
C611	1-126-965-11	ELECT 22uF 20% 50V	
C612	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C613	1-126-965-11	ELECT 22uF 20% 50V	
C614	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C615	1-126-965-11	ELECT 22uF 20% 50V	
C616	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C617	1-126-965-11	ELECT 22uF 20% 50V	
C618	1-126-965-11	ELECT 22uF 20% 50V	
C621	1-126-965-11	ELECT 22uF 20% 50V	
C622	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C623	1-126-965-11	ELECT 22uF 20% 50V	
C624	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C625	1-126-965-11	ELECT 22uF 20% 50V	
C626	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C627	1-126-965-11	ELECT 22uF 20% 50V	
C628	1-126-965-11	ELECT 22uF 20% 50V	
C631	1-126-965-11	ELECT 22uF 20% 50V	
C632	1-164-245-11	CERAMIC CHIP 0.015uF 10% 25V	
C633	1-126-965-11	ELECT 22uF 20% 50V	
C641	1-126-965-11	ELECT 22uF 20% 50V	
C642	1-164-245-11	CERAMIC CHIP 0.015uF 10% 25V	
C643	1-126-965-11	ELECT 22uF 20% 50V	
C683	1-126-933-11	ELECT 100uF 20% 16V	
C684	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C685	1-126-960-11	ELECT 1uF 20% 50V	
C686	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C687	1-126-960-11	ELECT 1uF 20% 50V	
C691	1-126-965-11	ELECT 22uF 20% 50V	
C692	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C693	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CN600	1-784-774-11	CONNECTOR, FFC 13P	
CN601	1-779-293-11	CONNECTOR, FFC (LIF(NON-ZIF)) 25P	
CN651	1-568-955-11	PIN, CONNECTOR 6P	
		< DIODE >	
D681	8-719-056-85	DIODE UDZ-TE-17-8.2B	
		< IC >	
IC607	8-759-385-76	IC MC14052BDR2	
		< JACK >	
J601	1-784-430-11	JACK, PIN 4P (ANALOG VIDEO IN/OUT)	
J602	1-784-430-11	JACK, PIN 4P (TV/SAT ANALOG IN, AUX ANALOG IN)	
		< JUMPER RESISTOR >	
L680	1-216-296-11	SHORT CHIP 0	
		< TRANSISTOR >	
Q611	8-729-141-74	TRANSISTOR 2SC3624A-T2L15L16	
Q622	8-729-141-74	TRANSISTOR 2SC3624A-T2L15L16	
Q680	8-729-801-93	TRANSISTOR 2SD1387	
Q681	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q682	8-729-901-00	TRANSISTOR DTC124EK	
Q691	8-729-901-00	TRANSISTOR DTC124EK	
Q692	8-729-901-00	TRANSISTOR DTC124EK	
		< RESISTOR >	
R610	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R611	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R612	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R613	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R614	1-218-867-11	METAL CHIP 6.8K 5% 1/10W	
R615	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R616	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R617	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R618	1-218-867-11	METAL CHIP 6.8K 5% 1/10W	
R619	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R620	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R621	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R622	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R623	1-216-821-11	METAL CHIP 1K 5% 1/10W	

ANALOG I/O

COMPONENT IN

DIGITAL AMP

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R624	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	A-4729-093-A DIGITAL AMP BOARD, COMPLETE					
R625	1-216-841-11	METAL CHIP	47K	5%	1/10W	*****					
R626	1-216-833-11	METAL CHIP	10K	5%	1/10W	< CAPACITOR >					
R627	1-216-833-11	METAL CHIP	10K	5%	1/10W	C301	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R628	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	C302	1-135-671-11	ELECT	2200uF		10V
R629	1-216-841-11	METAL CHIP	47K	5%	1/10W	C303	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
R630	1-216-833-11	METAL CHIP	10K	5%	1/10W	C304	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
R631	1-216-833-11	METAL CHIP	10K	5%	1/10W	C305	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R632	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	C306	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
R633	1-216-841-11	METAL CHIP	47K	5%	1/10W	C307	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
R634	1-216-833-11	METAL CHIP	10K	5%	1/10W	C308	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R635	1-216-833-11	METAL CHIP	10K	5%	1/10W	C309	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
R636	1-218-272-11	METAL CHIP	5.1K	5%	1/10W	C310	1-109-857-11	ELECT	47uF	20%	63V
R637	1-216-845-11	METAL CHIP	100K	5%	1/10W	C311	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R638	1-216-833-11	METAL CHIP	10K	5%	1/10W	C312	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R639	1-216-833-11	METAL CHIP	10K	5%	1/10W	C313	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R640	1-216-833-11	METAL CHIP	10K	5%	1/10W	C314	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R641	1-216-833-11	METAL CHIP	10K	5%	1/10W	C315	1-162-926-11	CERAMIC CHIP	82PF	5%	50V
R642	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	C316	1-162-926-11	CERAMIC CHIP	82PF	5%	50V
R643	1-216-841-11	METAL CHIP	47K	5%	1/10W	C317	1-162-926-11	CERAMIC CHIP	82PF	5%	50V
R644	1-216-833-11	METAL CHIP	10K	5%	1/10W	C318	1-162-926-11	CERAMIC CHIP	82PF	5%	50V
R645	1-216-833-11	METAL CHIP	10K	5%	1/10W	C319	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R646	1-218-272-11	METAL CHIP	5.1K	5%	1/10W	C320	1-135-682-11	ELECT	220uF		25V
R647	1-216-845-11	METAL CHIP	100K	5%	1/10W	C321	1-162-926-11	CERAMIC CHIP	82PF	5%	50V
R648	1-216-833-11	METAL CHIP	10K	5%	1/10W	C322	1-162-926-11	CERAMIC CHIP	82PF	5%	50V
R649	1-216-833-11	METAL CHIP	10K	5%	1/10W	C323	1-162-926-11	CERAMIC CHIP	82PF	5%	50V
R680	1-216-864-11	METAL CHIP	0	5%	1/10W	C324	1-162-926-11	CERAMIC CHIP	82PF	5%	50V
R681	1-216-864-11	METAL CHIP	0	5%	1/10W	C325	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R682	1-216-809-11	METAL CHIP	100	5%	1/10W	C326	1-135-682-11	ELECT	220uF		25V
R683	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	C327	1-109-857-11	ELECT	47uF	20%	63V
R691	1-216-833-11	METAL CHIP	10K	5%	1/10W	C328	1-109-857-11	ELECT	47uF	20%	63V
R692	1-216-833-11	METAL CHIP	10K	5%	1/10W	C329	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R693	1-216-809-11	METAL CHIP	100	5%	1/10W	C330	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R694	1-216-809-11	METAL CHIP	100	5%	1/10W	C331	1-136-850-11	MYLAR	0.1uF	5%	63V
R695	1-216-813-11	METAL CHIP	220	5%	1/10W	C332	1-136-850-11	MYLAR	0.1uF	5%	63V
R696	1-216-813-11	METAL CHIP	220	5%	1/10W	C333	1-109-857-11	ELECT	47uF	20%	63V
R697	1-216-813-11	METAL CHIP	220	5%	1/10W	C334	1-109-857-11	ELECT	47uF	20%	63V
R698	1-216-813-11	METAL CHIP	220	5%	1/10W	C335	1-100-188-11	FILM	0.75uF		250V
R699	1-216-813-11	METAL CHIP	220	5%	1/10W	C336	1-100-188-11	FILM	0.75uF		250V
*****						C337	1-165-319-11	CERAMIC CHIP	0.1uF		50V
	1-685-631-11	COMPONENT IN BOARD				C338	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		*****				C339	1-100-187-11	FILM	0.27uF		250V
		< CAPACITOR >				C340	1-100-187-11	FILM	0.27uF		250V
C761	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C341	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >				C342	1-165-319-11	CERAMIC CHIP	0.1uF		50V
* CNP712	1-568-943-11	PIN, CONNECTOR 5P				C343	1-109-857-11	ELECT	47uF	20%	63V
		< JACK >				C344	1-165-319-11	CERAMIC CHIP	0.1uF		50V
J706	1-816-548-11	JACK, PIN 3P (COMPONENT VIDEO IN)				C345	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< RESISTOR >				C346	1-136-850-11	MYLAR	0.1uF	5%	63V
R761	1-218-285-11	METAL CHIP	75	5%	1/10W	C347	1-136-850-11	MYLAR	0.1uF	5%	63V
R762	1-218-285-11	METAL CHIP	75	5%	1/10W	C348	1-109-857-11	ELECT	47uF	20%	63V
R763	1-218-285-11	METAL CHIP	75	5%	1/10W	C349	1-109-857-11	ELECT	47uF	20%	63V
*****						C350	1-100-188-11	FILM	0.75uF		250V
						C351	1-100-188-11	FILM	0.75uF		250V
						C354	1-100-187-11	FILM	0.27uF		250V
						C355	1-100-187-11	FILM	0.27uF		250V
						C358	1-109-857-11	ELECT	47uF	20%	63V

AVD-C70ES

DIGITAL AMP

Ref. No.	Part No.	Description		Remark		Ref. No.	Part No.	Description		Remark
C359	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C433	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C360	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C434	1-125-926-11	TANTAL. CHIP	4.7uF	20% 6.3V
C361	1-135-774-51	ELECT	470uF	63V		C435	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C362	1-135-774-51	ELECT	470uF	63V		C436	1-125-926-11	TANTAL. CHIP	4.7uF	20% 6.3V
C363	1-109-857-11	ELECT	47uF	20% 63V		C437	1-109-857-11	ELECT	47uF	20% 63V
C364	1-125-926-11	TANTAL. CHIP	4.7uF	20% 6.3V		C438	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C365	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C439	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C366	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C440	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C367	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C441	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C368	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C442	1-162-926-11	CERAMIC CHIP	82PF	5% 50V
C369	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C443	1-162-926-11	CERAMIC CHIP	82PF	5% 50V
C370	1-135-671-11	ELECT	2200uF	10V		C444	1-162-926-11	CERAMIC CHIP	82PF	5% 50V
C371	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C445	1-162-926-11	CERAMIC CHIP	82PF	5% 50V
C372	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C446	1-135-682-11	ELECT	220uF	25V
C373	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C447	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C374	1-125-926-11	TANTAL. CHIP	4.7uF	20% 6.3V		C448	1-162-926-11	CERAMIC CHIP	82PF	5% 50V
C375	1-162-962-11	CERAMIC CHIP	470PF	10% 50V		C449	1-162-926-11	CERAMIC CHIP	82PF	5% 50V
C376	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C450	1-162-926-11	CERAMIC CHIP	82PF	5% 50V
C377	1-125-926-11	TANTAL. CHIP	4.7uF	20% 6.3V		C451	1-162-926-11	CERAMIC CHIP	82PF	5% 50V
C378	1-109-857-11	ELECT	47uF	20% 63V		C452	1-135-682-11	ELECT	220uF	25V
C379	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C453	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C380	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C454	1-135-682-11	ELECT	220uF	25V
C381	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C455	1-135-682-11	ELECT	220uF	25V
C382	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C456	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C383	1-162-926-11	CERAMIC CHIP	82PF	5% 50V		C457	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C384	1-162-926-11	CERAMIC CHIP	82PF	5% 50V		C458	1-136-850-11	MYLAR	0.1uF	5% 63V
C385	1-162-926-11	CERAMIC CHIP	82PF	5% 50V		C459	1-136-850-11	MYLAR	0.1uF	5% 63V
C386	1-162-926-11	CERAMIC CHIP	82PF	5% 50V		C460	1-135-771-51	ELECT	100uF	63V
C387	1-135-682-11	ELECT	220uF	25V		C461	1-135-771-51	ELECT	100uF	63V
C388	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C462	1-100-188-11	FILM	0.75uF	250V
C389	1-164-492-11	CERAMIC CHIP	0.15uF	10% 16V		C463	1-100-188-11	FILM	0.75uF	250V
C390	1-135-681-11	ELECT	100uF	25V		C466	1-100-187-11	FILM	0.27uF	250V
C391	1-162-927-11	CERAMIC CHIP	100PF	5% 50V		C467	1-100-187-11	FILM	0.27uF	250V
C394	1-162-971-11	CERAMIC CHIP	0.001uF	10% 50V		C470	1-135-682-11	ELECT	220uF	25V
C395	1-162-927-11	CERAMIC CHIP	100PF	5% 50V		C471	1-135-682-11	ELECT	220uF	25V
C396	1-119-799-11	ELECT	47uF	20% 25V		C472	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C397	1-109-857-11	ELECT	47uF	20% 63V		C473	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C398	1-109-857-11	ELECT	47uF	20% 63V		C474	1-136-850-11	MYLAR	0.1uF	5% 63V
C399	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C475	1-136-850-11	MYLAR	0.1uF	5% 63V
C400	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C476	1-135-771-51	ELECT	100uF	63V
C401	1-136-850-11	MYLAR	0.1uF	5% 63V		C477	1-135-771-51	ELECT	100uF	63V
C402	1-136-850-11	MYLAR	0.1uF	5% 63V		C478	1-100-188-11	FILM	0.75uF	250V
C403	1-109-857-11	ELECT	47uF	20% 63V		C479	1-100-188-11	FILM	0.75uF	250V
C404	1-109-857-11	ELECT	47uF	20% 63V		C482	1-100-187-11	FILM	0.27uF	250V
C405	1-100-188-11	FILM	0.75uF	250V		C483	1-100-187-11	FILM	0.27uF	250V
C406	1-100-188-11	FILM	0.75uF	250V		C490	1-162-957-11	CERAMIC CHIP	220PF	5% 50V
C409	1-100-187-11	FILM	0.27uF	250V		C491	1-162-957-11	CERAMIC CHIP	220PF	5% 50V
C410	1-100-187-11	FILM	0.27uF	250V		C496	1-162-927-11	CERAMIC CHIP	100PF	5% 50V
C413	1-128-834-11	ELECT	470uF	20% 10V		C497	1-162-927-11	CERAMIC CHIP	100PF	5% 50V
C414	1-125-926-11	TANTAL. CHIP	4.7uF	20% 6.3V		C498	1-162-927-11	CERAMIC CHIP	100PF	5% 50V
C415	1-162-971-11	CERAMIC CHIP	0.001uF	10% 50V		C499	1-162-927-11	CERAMIC CHIP	100PF	5% 50V
C416	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C500	1-126-206-11	ELECT CHIP	100uF	20% 6.3V
C417	1-126-964-11	ELECT	10uF	20% 50V		C501	1-162-971-11	CERAMIC CHIP	0.001uF	10% 50V
C418	1-162-995-11	CERAMIC CHIP	0.022uF	50V		C502	1-162-971-11	CERAMIC CHIP	0.001uF	10% 50V
C419	1-126-964-11	ELECT	10uF	20% 50V		C503	1-162-927-11	CERAMIC CHIP	100PF	5% 50V
C430	1-135-671-11	ELECT	2200uF	10V		C504	1-162-927-11	CERAMIC CHIP	100PF	5% 50V
C431	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C505	1-128-832-11	ELECT	220uF	20% 10V
C432	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C506	1-128-832-11	ELECT	220uF	20% 10V

DIGITAL AMP

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
C507	1-126-204-11	ELECT CHIP	47uF	20%	16V		D327	8-719-049-09	DIODE 1SS367-T3SONY				
C510	1-109-857-11	ELECT	47uF	20%	63V		D328	8-719-049-09	DIODE 1SS367-T3SONY				
C511	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V		D329	8-719-049-09	DIODE 1SS367-T3SONY				
C512	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V								
C513	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V				< EARTH TERMINAL >				
C514	1-162-971-11	CERAMIC CHIP	0.001uF	10%	50V		* EP301	1-537-738-21	TERMINAL, EARTH				
C515	1-128-201-11	ELECT	100uF	20%	63V		* EP302	1-537-738-21	TERMINAL, EARTH				
C516	1-128-197-11	ELECT	10uF	20%	63V		* EP303	1-537-738-21	TERMINAL, EARTH				
C517	1-109-857-11	ELECT	47uF	20%	63V				< FERRITE BEAD >				
C518	1-128-197-11	ELECT	10uF	20%	63V								
C519	1-135-682-11	ELECT	220uF		25V		FB301	1-469-835-21	INDUCTOR, FERRITE BEAD				
C520	1-135-682-11	ELECT	220uF		25V		FB302	1-469-835-21	INDUCTOR, FERRITE BEAD				
C521	1-128-201-11	ELECT	100uF	20%	63V		FB304	1-469-760-21	FERRITE, EMI (SMD)				
C522	1-128-197-11	ELECT	10uF	20%	63V		FB305	1-469-760-21	FERRITE, EMI (SMD)				
C523	1-115-197-11	ELECT	100uF	20%	25V		FB306	1-469-760-21	FERRITE, EMI (SMD)				
C524	1-115-197-11	ELECT	100uF	20%	25V		FB314	1-500-283-11	INDUCTOR, FERRITE BEAD				
C541	1-128-197-11	ELECT	10uF	20%	63V		FB315	1-500-283-11	INDUCTOR, FERRITE BEAD				
C542	1-128-197-11	ELECT	10uF	20%	63V		FB316	1-500-283-11	INDUCTOR, FERRITE BEAD				
C543	1-128-197-11	ELECT	10uF	20%	63V		FB317	1-500-283-11	INDUCTOR, FERRITE BEAD				
C544	1-128-197-11	ELECT	10uF	20%	63V		FB318	1-500-283-11	INDUCTOR, FERRITE BEAD				
C545	1-128-197-11	ELECT	10uF	20%	63V		FB319	1-500-283-11	INDUCTOR, FERRITE BEAD				
C546	1-136-850-11	MYLAR	0.1uF	5%	63V		FB320	1-500-283-11	INDUCTOR, FERRITE BEAD				
C547	1-136-850-11	MYLAR	0.1uF	5%	63V		FB321	1-500-283-11	INDUCTOR, FERRITE BEAD				
C548	1-136-850-11	MYLAR	0.1uF	5%	63V		FB322	1-500-283-11	INDUCTOR, FERRITE BEAD				
C549	1-136-850-11	MYLAR	0.1uF	5%	63V		FB323	1-500-283-11	INDUCTOR, FERRITE BEAD				
C550	1-136-850-11	MYLAR	0.1uF	5%	63V		FB324	1-500-283-11	INDUCTOR, FERRITE BEAD				
C551	1-136-850-11	MYLAR	0.1uF	5%	63V		FB325	1-500-283-11	INDUCTOR, FERRITE BEAD				
C552	1-165-319-11	CERAMIC CHIP	0.1uF		50V		FB326	1-500-283-11	INDUCTOR, FERRITE BEAD				
C553	1-165-319-11	CERAMIC CHIP	0.1uF		50V				< RESISTOR >				
C554	1-165-319-11	CERAMIC CHIP	0.1uF		50V								
C555	1-165-319-11	CERAMIC CHIP	0.1uF		50V		△FR301	1-212-849-00	FUSIBLE	4.7	5%	1/4W	F
C556	1-165-319-11	CERAMIC CHIP	0.1uF		50V		△FR302	1-212-849-00	FUSIBLE	4.7	5%	1/4W	F
		< CONNECTOR >							< IC >				
CN301	1-564-507-11	PLUG, CONNECTOR 4P					IC301	6-702-673-01	IC CXD9730Q				
CN304	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P					IC302	8-759-523-08	IC TC74AC08FT(EL)				
* CN305	1-564-321-21	PIN, CONNECTOR (3.96mm PITCH) 2P					IC303	8-759-523-08	IC TC74AC08FT(EL)				
CN306	1-770-128-11	PIN, CONNECTOR (3.96mm PITCH) 2P					IC304	8-759-523-08	IC TC74AC08FT(EL)				
CN307	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P					IC305	8-759-523-08	IC TC74AC08FT(EL)				
* CN308	1-564-321-21	PIN, CONNECTOR (3.96mm PITCH) 2P					IC306	1-804-522-11	MODULE				
CN309	1-778-063-11	PIN, CONNECTOR (PC BOARD) 4P					IC307	1-804-522-11	MODULE				
CN315	1-778-957-11	CONNECTOR, FFC/FPC 29P					IC308	6-702-673-01	IC CXD9730Q				
		< DIODE >					IC309	8-759-523-08	IC TC74AC08FT(EL)				
D301	8-719-049-09	DIODE 1SS367-T3SONY					IC310	8-759-523-08	IC TC74AC08FT(EL)				
D302	8-719-049-09	DIODE 1SS367-T3SONY					IC311	8-759-636-55	IC M5218AFP				
D303	8-719-049-09	DIODE 1SS367-T3SONY					IC312	1-804-522-11	MODULE				
D304	8-719-049-09	DIODE 1SS367-T3SONY					IC313	6-702-673-01	IC CXD9730Q				
D305	8-719-049-09	DIODE 1SS367-T3SONY					IC314	8-759-523-08	IC TC74AC08FT(EL)				
D306	8-719-016-74	DIODE 1SS352					IC315	8-759-523-08	IC TC74AC08FT(EL)				
D307	8-719-049-09	DIODE 1SS367-T3SONY					IC316	8-759-523-08	IC TC74AC08FT(EL)				
D308	8-719-016-74	DIODE 1SS352					IC317	8-759-523-08	IC TC74AC08FT(EL)				
D309	8-719-049-09	DIODE 1SS367-T3SONY					IC318	1-804-522-11	MODULE				
D311	8-719-016-74	DIODE 1SS352					IC319	1-804-522-11	MODULE				
D312	8-719-016-74	DIODE 1SS352					IC320	8-759-636-55	IC M5218AFP				
D313	8-719-016-74	DIODE 1SS352					IC321	8-759-636-55	IC M5218AFP				
D314	8-719-049-09	DIODE 1SS367-T3SONY					IC322	8-759-450-47	IC BA05T				
D326	8-719-049-09	DIODE 1SS367-T3SONY					IC323	8-759-445-59	IC BA033T				
							IC324	8-759-711-85	IC NJM4580E-D				

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

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

DIGITAL AMP

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
IC325	8-759-271-88	IC TC7SHU04FU				R307	1-216-797-11	METAL CHIP	10	5%	1/10W
IC326	8-759-679-05	IC TC7WH34FU(TE12R)				R308	1-216-797-11	METAL CHIP	10	5%	1/10W
IC327	8-759-111-68	IC uPC1237HA				R309	1-216-810-11	METAL CHIP	120	5%	1/10W
< COIL >						R310	1-216-815-11	METAL CHIP	330	5%	1/10W
					R311	1-216-815-11	METAL CHIP	330	5%	1/10W	
L301	1-412-010-41	INDUCTOR	22uH			R312	1-216-815-11	METAL CHIP	330	5%	1/10W
L302	1-412-010-41	INDUCTOR	22uH			R313	1-216-815-11	METAL CHIP	330	5%	1/10W
L303	1-412-010-41	INDUCTOR	22uH			R314	1-216-810-11	METAL CHIP	120	5%	1/10W
L304	1-412-006-31	INDUCTOR	10uH			R315	1-216-797-11	METAL CHIP	10	5%	1/10W
L305	1-410-993-42	INDUCTOR	1uH			R316	1-216-797-11	METAL CHIP	10	5%	1/10W
						R317	1-216-810-11	METAL CHIP	120	5%	1/10W
L306	1-428-923-11	COIL, CHOKE	10uH			R318	1-216-833-11	METAL CHIP	10K	5%	1/10W
L307	1-428-923-11	COIL, CHOKE	10uH			R319	1-216-809-11	METAL CHIP	100	5%	1/10W
L308	1-428-923-11	COIL, CHOKE	10uH			R320	1-216-819-11	METAL CHIP	680	5%	1/10W
L309	1-428-923-11	COIL, CHOKE	10uH			R321	1-245-274-21	RES-CHIP	50M	1%	1W
L310	1-428-923-11	COIL, CHOKE	10uH								
						R324	1-216-833-11	METAL CHIP	10K	5%	1/10W
L311	1-428-923-11	COIL, CHOKE	10uH			R325	1-216-809-11	METAL CHIP	100	5%	1/10W
L312	1-428-923-11	COIL, CHOKE	10uH			R326	1-216-819-11	METAL CHIP	680	5%	1/10W
L313	1-428-923-11	COIL, CHOKE	10uH			R327	1-245-274-21	RES-CHIP	50M	1%	1W
L314	1-428-923-11	COIL, CHOKE	10uH			R330	1-216-815-11	METAL CHIP	330	5%	1/10W
L315	1-428-923-11	COIL, CHOKE	10uH								
						R331	1-216-815-11	METAL CHIP	330	5%	1/10W
L316	1-428-923-11	COIL, CHOKE	10uH			R332	1-216-815-11	METAL CHIP	330	5%	1/10W
L317	1-428-923-11	COIL, CHOKE	10uH			R333	1-216-815-11	METAL CHIP	330	5%	1/10W
L318	1-428-923-11	COIL, CHOKE	10uH			R334	1-216-810-11	METAL CHIP	120	5%	1/10W
L319	1-428-923-11	COIL, CHOKE	10uH			R335	1-216-797-11	METAL CHIP	10	5%	1/10W
L320	1-428-923-11	COIL, CHOKE	10uH								
						R336	1-216-797-11	METAL CHIP	10	5%	1/10W
L321	1-428-923-11	COIL, CHOKE	10uH			R337	1-216-810-11	METAL CHIP	120	5%	1/10W
L322	1-428-923-11	COIL, CHOKE	10uH			R338	1-216-833-11	METAL CHIP	10K	5%	1/10W
L323	1-428-923-11	COIL, CHOKE	10uH			R339	1-216-833-11	METAL CHIP	10K	5%	1/10W
L324	1-428-923-11	COIL, CHOKE	10uH			R340	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
L325	1-428-923-11	COIL, CHOKE	10uH								
						R341	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
L326	1-412-006-31	INDUCTOR	10uH			R342	1-216-833-11	METAL CHIP	10K	5%	1/10W
L327	1-410-682-31	INDUCTOR	470uH			R343	1-216-833-11	METAL CHIP	10K	5%	1/10W
L328	1-410-682-31	INDUCTOR	470uH			R344	1-216-837-11	METAL CHIP	22K	5%	1/10W
L329	1-410-682-31	INDUCTOR	470uH			R345	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
< TRANSISTOR >											
Q301	8-729-216-22	TRANSISTOR	2SA1162-G			R346	1-216-837-11	METAL CHIP	22K	5%	1/10W
Q302	8-729-216-22	TRANSISTOR	2SA1162-G			R347	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q303	8-729-216-22	TRANSISTOR	2SA1162-G			R348	1-216-797-11	METAL CHIP	10	5%	1/10W
Q305	8-729-216-22	TRANSISTOR	2SA1162-G			R349	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q306	8-729-216-22	TRANSISTOR	2SA1162-G			R350	1-216-809-11	METAL CHIP	100	5%	1/10W
						R351	1-216-819-11	METAL CHIP	680	5%	1/10W
Q307	8-729-027-23	TRANSISTOR	DTA114EKA-T146			R352	1-245-274-21	RES-CHIP	50M	1%	1W
Q308	1-801-806-11	TRANSISTOR	DTC144EKA			R355	1-216-841-11	METAL CHIP	47K	5%	1/10W
Q310	8-729-202-05	TRANSISTOR	2SC2873-O			R357	1-216-809-11	METAL CHIP	100	5%	1/10W
Q311	8-729-202-05	TRANSISTOR	2SC2873-O			R359	1-216-864-11	METAL CHIP	0	5%	1/10W
Q312	8-729-027-38	TRANSISTOR	DTA144EKA-T146								
						R360	1-216-815-11	METAL CHIP	330	5%	1/10W
Q314	1-801-806-11	TRANSISTOR	DTC144EKA			R361	1-216-815-11	METAL CHIP	330	5%	1/10W
Q315	8-729-027-38	TRANSISTOR	DTA144EKA-T146			R362	1-216-815-11	METAL CHIP	330	5%	1/10W
Q316	8-729-027-38	TRANSISTOR	DTA144EKA-T146			R363	1-216-815-11	METAL CHIP	330	5%	1/10W
Q329	8-729-027-23	TRANSISTOR	DTA114EKA-T146			R364	1-216-810-11	METAL CHIP	120	5%	1/10W
< RESISTOR >											
R301	1-216-801-11	METAL CHIP	22	5%	1/10W	R365	1-216-797-11	METAL CHIP	10	5%	1/10W
R302	1-216-815-11	METAL CHIP	330	5%	1/10W	R366	1-216-797-11	METAL CHIP	10	5%	1/10W
R303	1-216-815-11	METAL CHIP	330	5%	1/10W	R367	1-216-810-11	METAL CHIP	120	5%	1/10W
R304	1-216-815-11	METAL CHIP	330	5%	1/10W	R368	1-216-815-11	METAL CHIP	330	5%	1/10W
R305	1-216-815-11	METAL CHIP	330	5%	1/10W	R369	1-216-815-11	METAL CHIP	330	5%	1/10W
						R370	1-216-815-11	METAL CHIP	330	5%	1/10W
R306	1-216-810-11	METAL CHIP	120	5%	1/10W	R371	1-216-815-11	METAL CHIP	330	5%	1/10W
						R372	1-216-810-11	METAL CHIP	120	5%	1/10W

DIGITAL AMP

DIGITAL I/O

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R373	1-216-797-11	METAL CHIP	10	5%	1/10W	R453	1-216-811-11	METAL CHIP	150	5%	1/10W
R374	1-216-797-11	METAL CHIP	10	5%	1/10W	R454	1-216-811-11	METAL CHIP	150	5%	1/10W
R375	1-216-810-11	METAL CHIP	120	5%	1/10W	R455	1-216-813-11	METAL CHIP	220	5%	1/10W
R376	1-216-833-11	METAL CHIP	10K	5%	1/10W	R456	1-216-815-11	METAL CHIP	330	5%	1/10W
R377	1-216-809-11	METAL CHIP	100	5%	1/10W	R457	1-216-803-11	METAL CHIP	33	5%	1/10W
R378	1-216-819-11	METAL CHIP	680	5%	1/10W	R458	1-216-833-11	METAL CHIP	10K	5%	1/10W
R379	1-245-274-21	RES-CHIP	50M	1%	1W	R459	1-216-821-11	METAL CHIP	1K	5%	1/10W
R380	1-216-805-11	METAL CHIP	47	5%	1/10W	R460	1-216-821-11	METAL CHIP	1K	5%	1/10W
R381	1-216-805-11	METAL CHIP	47	5%	1/10W	R462	1-216-809-11	METAL CHIP	100	5%	1/10W
R385	1-216-833-11	METAL CHIP	10K	5%	1/10W	R463	1-216-853-11	METAL CHIP	470K	5%	1/10W
R386	1-216-809-11	METAL CHIP	100	5%	1/10W	R464	1-216-821-11	METAL CHIP	1K	5%	1/10W
R387	1-216-819-11	METAL CHIP	680	5%	1/10W	R465	1-216-821-11	METAL CHIP	1K	5%	1/10W
R388	1-245-274-21	RES-CHIP	50M	1%	1W	R466	1-216-817-11	METAL CHIP	470	5%	1/10W
R400	1-216-833-11	METAL CHIP	10K	5%	1/10W	R468	1-216-801-11	METAL CHIP	22	5%	1/10W
R401	1-216-833-11	METAL CHIP	10K	5%	1/10W	R469	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R402	1-216-833-11	METAL CHIP	10K	5%	1/10W	R470	1-216-805-11	METAL CHIP	47	5%	1/10W
R403	1-216-833-11	METAL CHIP	10K	5%	1/10W	R471	1-216-833-11	METAL CHIP	10K	5%	1/10W
R404	1-216-833-11	METAL CHIP	10K	5%	1/10W	R500	1-216-797-11	METAL CHIP	10	5%	1/10W
R405	1-216-833-11	METAL CHIP	10K	5%	1/10W	R501	1-216-797-11	METAL CHIP	10	5%	1/10W
R406	1-216-833-11	METAL CHIP	10K	5%	1/10W	R502	1-216-797-11	METAL CHIP	10	5%	1/10W
R407	1-216-833-11	METAL CHIP	10K	5%	1/10W	R503	1-216-797-11	METAL CHIP	10	5%	1/10W
R408	1-216-837-11	METAL CHIP	22K	5%	1/10W	R504	1-216-797-11	METAL CHIP	10	5%	1/10W
R409	1-216-837-11	METAL CHIP	22K	5%	1/10W	R505	1-216-797-11	METAL CHIP	10	5%	1/10W
R410	1-216-837-11	METAL CHIP	22K	5%	1/10W	R506	1-216-797-11	METAL CHIP	10	5%	1/10W
R411	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R507	1-216-797-11	METAL CHIP	10	5%	1/10W
R412	1-216-837-11	METAL CHIP	22K	5%	1/10W	R508	1-216-797-11	METAL CHIP	10	5%	1/10W
R413	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	< RELAY >					
R414	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	RY301	1-515-614-11	RELAY			
R415	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	RY302	1-515-614-11	RELAY			
R416	1-216-837-11	METAL CHIP	22K	5%	1/10W	< QUARTZ CRYSTAL UNIT >					
R417	1-216-837-11	METAL CHIP	22K	5%	1/10W	X300	1-795-660-21	CRYSTAL UNIT, QUARTZ (49.152MHz)			
R418	1-216-845-11	METAL CHIP	100K	5%	1/10W	*****					
R419	1-216-845-11	METAL CHIP	100K	5%	1/10W	1-685-211-11	DIGITAL I/O BOARD				
R420	1-259-987-11	CARBON MELF	220	2%	1/8W	*****					
R421	1-260-032-11	CARBON MELF	1M	2%	1/8W	< CAPACITOR >					
R427	1-216-805-11	METAL CHIP	47	5%	1/10W	C651	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R428	1-216-797-11	METAL CHIP	10	5%	1/10W	C652	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R429	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C653	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R430	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C654	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R431	1-216-797-11	METAL CHIP	10	5%	1/10W	C657	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R435	1-216-864-11	METAL CHIP	0	5%	1/10W	C658	1-126-947-11	ELECT	47uF	20%	16V
R436	1-216-814-11	METAL CHIP	270	5%	1/10W	C659	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R437	1-216-864-11	METAL CHIP	0	5%	1/10W	C660	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R438	1-216-809-11	METAL CHIP	100	5%	1/10W	C661	1-126-947-11	ELECT	47uF	20%	16V
R439	1-216-809-11	METAL CHIP	100	5%	1/10W	C663	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R440	1-216-809-11	METAL CHIP	100	5%	1/10W	C664	1-126-947-11	ELECT	47uF	20%	16V
R441	1-216-803-11	METAL CHIP	33	5%	1/10W	< CONNECTOR >					
R442	1-216-803-11	METAL CHIP	33	5%	1/10W	CNP651	1-568-955-11	PIN, CONNECTOR 6P			
R443	1-216-803-11	METAL CHIP	33	5%	1/10W	< JUMPER RESISTOR >					
R444	1-216-820-11	METAL CHIP	820	5%	1/10W	FB651	1-216-864-11	METAL CHIP	0	5%	1/10W
R445	1-216-820-11	METAL CHIP	820	5%	1/10W						
R446	1-216-820-11	METAL CHIP	820	5%	1/10W						
R447	1-216-814-11	METAL CHIP	270	5%	1/10W						
R448	1-216-814-11	METAL CHIP	270	5%	1/10W						
R449	1-216-814-11	METAL CHIP	270	5%	1/10W						
R450	1-216-814-11	METAL CHIP	270	5%	1/10W						
R451	1-216-815-11	METAL CHIP	330	5%	1/10W						
R452	1-216-813-11	METAL CHIP	220	5%	1/10W						

AVD-C70ES

DIGITAL I/O

DISPLAY

DVD

Ref. No.	Part No.	Description	Remark			
< IC >						
IC650	8-759-094-53	IC TA7805S(LBSONY)				
IC651	8-749-017-31	IC GP1FA550TZ (OPTICAL OUT)				
IC652	6-600-006-01	IC GP1FA551RZ (MD/DAT OPTICAL IN)				
IC653	6-600-006-01	IC GP1FA551RZ (TV/SAT OPTICAL IN)				
IC654	8-759-242-70	IC TC7WU04F				
IC655	8-759-926-17	IC SN74HC153ANS				
< JACK >						
J651	1-770-905-21	JACK, PIN 1P (COAXIAL IN AUX)				
< TRANSISTOR >						
Q651	8-729-901-00	TRANSISTOR DTC124EK				
< RESISTOR >						
R651	1-216-809-11	METAL CHIP	100	5%	1/10W	
R652	1-216-809-11	METAL CHIP	100	5%	1/10W	
R653	1-216-809-11	METAL CHIP	100	5%	1/10W	
R654	1-216-809-11	METAL CHIP	100	5%	1/10W	
R655	1-216-809-11	METAL CHIP	100	5%	1/10W	
R656	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R657	1-216-809-11	METAL CHIP	100	5%	1/10W	
R658	1-218-285-11	METAL CHIP	75	5%	1/10W	
R659	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R661	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R662	1-216-864-11	METAL CHIP	0	5%	1/10W	

A-4729-096-A		DISPLAY BOARD, COMPLETE				

4-239-539-01		HOLDER (FL)				
< CAPACITOR >						
C851	1-164-505-11	CERAMIC CHIP	2.2uF		16V	
C852	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C853	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C854	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	
C855	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C856	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C858	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C871	1-126-796-11	ELECT	22uF	20%	50V	
C872	1-100-356-11	CERAMIC CHIP	0.0082uF		250V	
C874	1-162-995-11	CERAMIC CHIP	0.022uF		50V	
C875	1-126-796-11	ELECT	22uF	20%	50V	
C876	1-162-995-11	CERAMIC CHIP	0.022uF		50V	
< CONNECTOR >						
CN901	1-784-737-11	CONNECTOR, FFC 15P				
* CN902	1-568-944-11	PIN, CONNECTOR 6P				
< DIODE >						
D871	8-719-041-97	DIODE MA113-(TX)				
D872	8-719-041-97	DIODE MA113-(TX)				
D873	8-719-041-97	DIODE MA113-(TX)				
D874	8-719-041-97	DIODE MA113-(TX)				
D875	8-719-977-28	DIODE DTZ10B				

Ref. No.	Part No.	Description	Remark			
< FERRITE BEAD >						
FB851	1-414-813-11	FERRITE, EMI (SMD)				
FB852	1-414-813-11	FERRITE, EMI (SMD)				
FB853	1-414-813-11	FERRITE, EMI (SMD)				
< FLUORESCENT INDICATOR >						
FL851	1-518-821-11	INDICATOR TUBE, FLUORESCENT				
< IC >						
IC851	6-700-112-01	IC MSM9202-05GS-KDR1				
< COIL >						
L871	1-408-978-21	INDUCTOR	47uH			
< TRANSISTOR >						
Q871	8-729-808-42	TRANSISTOR	2SD1624-T			
Q872	8-729-808-42	TRANSISTOR	2SD1624-T			
< RESISTOR >						
R851	1-216-809-11	METAL CHIP	100	5%	1/10W	
R852	1-216-809-11	METAL CHIP	100	5%	1/10W	
R853	1-216-809-11	METAL CHIP	100	5%	1/10W	
R854	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R855	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R871	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	
R872	1-216-809-11	METAL CHIP	100	5%	1/10W	
R873	1-216-840-11	METAL CHIP	39K	5%	1/10W	
< TRANSFORMER >						
T871	1-437-884-11	TRANSFORMER, DC-DC CONVERTER				

	A-4729-086-A	DVD BOARD, COMPLETE				

< CAPACITOR >						
C001	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	
C003	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	
C004	1-126-204-11	ELECT CHIP	47uF	20%	16V	
C005	1-126-246-11	ELECT CHIP	220uF	20%	4V	
C006	1-126-204-11	ELECT CHIP	47uF	20%	16V	
C007	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V	
C008	1-107-820-11	CERAMIC CHIP	0.1uF		16V	
C010	1-107-820-11	CERAMIC CHIP	0.1uF		16V	
C011	1-107-820-11	CERAMIC CHIP	0.1uF		16V	
C012	1-107-820-11	CERAMIC CHIP	0.1uF		16V	
C013	1-107-820-11	CERAMIC CHIP	0.1uF		16V	
C014	1-107-820-11	CERAMIC CHIP	0.1uF		16V	
C015	1-107-820-11	CERAMIC CHIP	0.1uF		16V	
C016	1-107-820-11	CERAMIC CHIP	0.1uF		16V	
C017	1-107-820-11	CERAMIC CHIP	0.1uF		16V	
C018	1-107-820-11	CERAMIC CHIP	0.1uF		16V	
C019	1-107-820-11	CERAMIC CHIP	0.1uF		16V	
C020	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	
C021	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	
C022	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C023	1-126-205-11	ELECT CHIP	47uF 20% 6.3V	C309	1-164-874-11	CERAMIC CHIP	100PF 5% 50V
C201	1-126-246-11	ELECT CHIP	220uF 20% 4V	C310	1-164-874-11	CERAMIC CHIP	100PF 5% 50V
C203	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C311	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V
C204	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V	C312	1-117-370-11	CERAMIC CHIP	10uF 10V
C217	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C313	1-107-820-11	CERAMIC CHIP	0.1uF 16V
C219	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C314	1-164-947-11	CERAMIC CHIP	0.01uF 50V
C225	1-107-820-11	CERAMIC CHIP	0.1uF 16V	C315	1-164-947-11	CERAMIC CHIP	0.01uF 50V
C226	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C316	1-124-779-00	ELECT CHIP	10uF 20% 16V
C228	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C317	1-164-850-11	CERAMIC CHIP	10PF 0.5PF 50V
C229	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C318	1-164-845-11	CERAMIC CHIP	5PF 0.5PF 50V
C230	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C319	1-164-862-11	CERAMIC CHIP	33PF 5% 50V
C231	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C320	1-164-947-11	CERAMIC CHIP	0.01uF 50V
C232	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C355	1-164-947-11	CERAMIC CHIP	0.01uF 50V
C233	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C356	1-164-947-11	CERAMIC CHIP	0.01uF 50V
C234	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C401	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C235	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C402	1-117-370-11	CERAMIC CHIP	10uF 10V
C236	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C404	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C237	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C405	1-124-779-00	ELECT CHIP	10uF 20% 16V
C238	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C406	1-164-939-11	CERAMIC CHIP	0.0022uF 10% 50V
C239	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C407	1-117-370-11	CERAMIC CHIP	10uF 10V
C240	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C408	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C241	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C409	1-164-939-11	CERAMIC CHIP	0.0022uF 10% 50V
C242	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C410	1-124-779-00	ELECT CHIP	10uF 20% 16V
C243	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C411	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C244	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C412	1-164-939-11	CERAMIC CHIP	0.0022uF 10% 50V
C245	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C413	1-164-939-11	CERAMIC CHIP	0.0022uF 10% 50V
C246	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C414	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V
C247	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C415	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V
C248	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C416	1-117-370-11	CERAMIC CHIP	10uF 10V
C249	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C417	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C250	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C418	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C251	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C419	1-119-923-81	CERAMIC CHIP	0.047uF 10% 10V
C252	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C420	1-164-939-11	CERAMIC CHIP	0.0022uF 10% 50V
C253	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C421	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C254	1-117-370-11	CERAMIC CHIP	10uF 10V	C422	1-164-874-11	CERAMIC CHIP	100PF 5% 50V
C255	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C423	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C257	1-117-370-11	CERAMIC CHIP	10uF 10V	C424	1-107-819-11	CERAMIC CHIP	0.022uF 10% 16V
C258	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C425	1-164-939-11	CERAMIC CHIP	0.0022uF 10% 50V
C259	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C426	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V
C260	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C427	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V
C261	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C428	1-164-940-11	CERAMIC CHIP	0.0033uF 10% 16V
C262	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C432	1-164-874-11	CERAMIC CHIP	100PF 5% 50V
C263	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C433	1-164-938-11	CERAMIC CHIP	0.0015uF 10% 50V
C264	1-117-370-11	CERAMIC CHIP	10uF 10V	C434	1-117-370-11	CERAMIC CHIP	10uF 10V
C265	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C435	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C266	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C436	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C267	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C442	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V
C268	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C503	1-127-772-81	CERAMIC CHIP	0.033uF 10% 10V
C269	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C504	1-127-772-81	CERAMIC CHIP	0.033uF 10% 10V
C270	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C506	1-164-934-11	CERAMIC CHIP	330PF 10% 50V
C271	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C508	1-164-937-11	CERAMIC CHIP	0.001uF 10% 50V
C274	1-164-947-11	CERAMIC CHIP	0.01uF 50V	C509	1-164-934-11	CERAMIC CHIP	330PF 10% 50V
C301	1-117-370-11	CERAMIC CHIP	10uF 10V	C510	1-164-937-11	CERAMIC CHIP	0.001uF 10% 50V
C302	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V	C512	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V
C303	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V	C514	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V
C304	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V	C519	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V
C307	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V	C521	1-164-938-11	CERAMIC CHIP	0.0015uF 10% 50V
C308	1-127-772-81	CERAMIC CHIP	0.033uF 10% 10V	C523	1-164-938-11	CERAMIC CHIP	0.0015uF 10% 50V

AVD-C70ES

DVD

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C525	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C653	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C526	1-126-395-11	ELECT	22uF	20%	16V	C654	1-117-681-11	ELECT CHIP	100uF	20%	16V
C527	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C655	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C528	1-126-395-11	ELECT	22uF	20%	16V	C656	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C529	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C657	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C552	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C658	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C600	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C659	1-164-882-11	CERAMIC CHIP	220PF	5%	16V
C601	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C660	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C602	1-117-681-11	ELECT CHIP	100uF	20%	16V	C661	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C603	1-164-858-11	CERAMIC CHIP	22PF	5%	50V	C662	1-164-882-11	CERAMIC CHIP	220PF	5%	16V
C604	1-164-868-11	CERAMIC CHIP	56PF	5%	50V	C663	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C605	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C667	1-117-370-11	CERAMIC CHIP	10uF		10V
C606	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C668	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C607	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C669	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C608	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C670	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C609	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C671	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C610	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	C672	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C611	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C673	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C612	1-117-370-11	CERAMIC CHIP	10uF		10V	C674	1-117-370-11	CERAMIC CHIP	10uF		10V
C613	1-117-370-11	CERAMIC CHIP	10uF		10V	C675	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C614	1-124-779-00	ELECT CHIP	10uF	20%	16V	C676	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C615	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C677	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C616	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C678	1-164-882-11	CERAMIC CHIP	220PF	5%	16V
C617	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C679	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C618	1-124-779-00	ELECT CHIP	10uF	20%	16V	C702	1-117-370-11	CERAMIC CHIP	10uF		10V
C619	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C703	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C620	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C706	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C621	1-164-935-11	CERAMIC CHIP	470PF	10%	50V	C708	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C622	1-124-779-00	ELECT CHIP	10uF	20%	16V	C709	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C623	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V	C711	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C624	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C712	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C625	1-124-779-00	ELECT CHIP	10uF	20%	16V	C713	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C626	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C714	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C627	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C715	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V
C628	1-124-779-00	ELECT CHIP	10uF	20%	16V	C716	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C629	1-164-935-11	CERAMIC CHIP	470PF	10%	50V	C717	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C630	1-117-370-11	CERAMIC CHIP	10uF		10V	C718	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C631	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C720	1-125-777-11	CERAMIC CHIP	0.1uF		10V
C632	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C721	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C633	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C722	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C634	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C723	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C635	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C724	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C636	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C725	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C637	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C726	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C638	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C727	1-117-370-11	CERAMIC CHIP	10uF		10V
C639	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C728	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C640	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C729	1-117-370-11	CERAMIC CHIP	10uF		10V
C641	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C730	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C642	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C740	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C643	1-126-246-11	ELECT CHIP	220uF	20%	4V	C741	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C644	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C742	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C645	1-164-882-11	CERAMIC CHIP	220PF	5%	16V	C743	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C646	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C744	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C647	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C745	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C648	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C752	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C650	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C760	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C651	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C761	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C652	1-126-246-11	ELECT CHIP	220uF	20%	4V	C762	1-107-820-11	CERAMIC CHIP	0.1uF		16V

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark
C763	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C901	1-164-943-11	CERAMIC CHIP	0.01uF 10%	16V
C764	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C902	1-107-820-11	CERAMIC CHIP	0.1uF	16V
C765	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C905	1-164-934-11	CERAMIC CHIP	330PF 10%	50V
C766	1-164-874-11	CERAMIC CHIP	100PF	5% 50V	C906	1-164-934-11	CERAMIC CHIP	330PF 10%	50V
C767	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C907	1-164-937-11	CERAMIC CHIP	0.001uF 10%	50V
C768	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C908	1-164-874-11	CERAMIC CHIP	100PF 5%	50V
C769	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C909	1-164-222-11	CERAMIC CHIP	0.22uF	25V
C770	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C910	1-107-818-11	DOUBLE LAYERS	1F	5.5V
C771	1-119-923-81	CERAMIC CHIP	0.047uF	10% 10V	C911	1-126-205-11	ELECT CHIP	47uF 20%	6.3V
C772	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C912	1-126-205-11	ELECT CHIP	47uF 20%	6.3V
C773	1-125-891-11	CERAMIC CHIP	0.47uF	10% 10V	C913	1-164-943-11	CERAMIC CHIP	0.01uF 10%	16V
C774	1-164-941-11	CERAMIC CHIP	0.0047uF	10% 16V	C914	1-164-943-11	CERAMIC CHIP	0.01uF 10%	16V
C775	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C917	1-107-820-11	CERAMIC CHIP	0.1uF	16V
C776	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C918	1-164-874-11	CERAMIC CHIP	100PF 5%	50V
C777	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C921	1-164-874-11	CERAMIC CHIP	100PF 5%	50V
C778	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C925	1-107-820-11	CERAMIC CHIP	0.1uF	16V
C779	1-117-370-11	CERAMIC CHIP	10uF	10V	C1001	1-126-246-11	ELECT CHIP	220uF 20%	4V
C780	1-117-370-11	CERAMIC CHIP	10uF	10V	C1002	1-164-874-11	CERAMIC CHIP	100PF 5%	50V
C781	1-117-370-11	CERAMIC CHIP	10uF	10V	< CONNECTOR >				
C791	1-126-206-11	ELECT CHIP	100uF	20% 6.3V	CN001	1-778-957-11	CONNECTOR, FFC/FPC 29P		
C793	1-126-246-11	ELECT CHIP	220uF	20% 4V	CN002	1-784-382-21	CONNECTOR, FFC/FPC 25P		
C795	1-126-206-11	ELECT CHIP	100uF	20% 6.3V	CN003	1-793-991-11	CONNECTOR, FFC/FPC 23P		
C796	1-107-820-11	CERAMIC CHIP	0.1uF	16V	CN007	1-778-691-11	CONNECTOR, FFC/FPC 19P		
C797	1-126-246-11	ELECT CHIP	220uF	20% 4V	CN008	1-816-587-21	PIN, CONNECTOR (PC BOARD) 15P		
C802	1-117-370-11	CERAMIC CHIP	10uF	10V	CN009	1-793-989-21	CONNECTOR, FFC/FPC 13P		
C803	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	CN201	1-784-364-21	CONNECTOR, FFC/FPC 4P		
C804	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	* CN301	1-764-177-11	PIN, CONNECTOR (SMD) (1.5mm) 7P		
C807	1-164-943-11	CERAMIC CHIP	0.01uF	10% 16V	CN401	1-778-957-11	CONNECTOR, FFC/FPC 29P		
C808	1-164-874-11	CERAMIC CHIP	100PF	5% 50V	CN900	1-784-367-31	CONNECTOR, FFC/FPC 8P		
C809	1-164-943-11	CERAMIC CHIP	0.01uF	10% 16V	< DIODE >				
C810	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	D900	8-719-053-18	DIODE 1SR154-400TE-25		
C811	1-164-943-11	CERAMIC CHIP	0.01uF	10% 16V	D901	8-719-053-18	DIODE 1SR154-400TE-25		
C812	1-164-943-11	CERAMIC CHIP	0.01uF	10% 16V	D902	8-719-988-61	DIODE 1SS355TE-17		
C813	1-164-943-11	CERAMIC CHIP	0.01uF	10% 16V	D904	8-719-988-61	DIODE 1SS355TE-17		
C815	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	D1001	8-719-053-18	DIODE 1SR154-400TE-25		
C817	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	< FERRITE BEAD >				
C818	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB001	1-469-324-21	FERRITE, EMI (SMD)		
C819	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB005	1-469-324-21	FERRITE, EMI (SMD)		
C837	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB006	1-469-324-21	FERRITE, EMI (SMD)		
C838	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB007	1-469-324-21	FERRITE, EMI (SMD)		
C839	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB008	1-469-324-21	FERRITE, EMI (SMD)		
C840	1-117-370-11	CERAMIC CHIP	10uF	10V	FB009	1-469-324-21	FERRITE, EMI (SMD)		
C841	1-117-370-11	CERAMIC CHIP	10uF	10V	FB010	1-469-324-21	FERRITE, EMI (SMD)		
C842	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB011	1-469-324-21	FERRITE, EMI (SMD)		
C843	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB012	1-469-324-21	FERRITE, EMI (SMD)		
C848	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB013	1-469-324-21	FERRITE, EMI (SMD)		
C849	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB014	1-469-324-21	FERRITE, EMI (SMD)		
C854	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB015	1-469-324-21	FERRITE, EMI (SMD)		
C855	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB017	1-469-324-21	FERRITE, EMI (SMD)		
C856	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB202	1-469-324-21	FERRITE, EMI (SMD)		
C857	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB271	1-469-324-21	FERRITE, EMI (SMD)		
C861	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB601	1-414-595-11	INDUCTOR, FERRITE BEAD		
C865	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB901	1-469-324-21	FERRITE, EMI (SMD)		
C866	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB902	1-469-324-21	FERRITE, EMI (SMD)		
C867	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	FB1001	1-500-284-21	INDUCTOR, FERRITE BEAD		
C870	1-127-772-81	CERAMIC CHIP	0.033uF	10% 10V	FB1002	1-500-284-21	INDUCTOR, FERRITE BEAD		
C871	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V					
C900	1-107-820-11	CERAMIC CHIP	0.1uF	16V					

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DVD

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
FB1003	1-216-864-11	METAL CHIP 0	5%	1/10W	IC608	6-701-565-01 IC CXD9627A-E2	
FB1004	1-500-283-11	INDUCTOR, FERRITE BEAD		IC610	8-759-337-40 IC NJM2904V(TE2)		
FB1005	1-469-324-21	FERRITE, EMI (SMD)		IC612	6-700-278-01 IC CXD9633Q		
		< FILTER >		IC701	8-752-412-43 IC CXD1882R		
				IC702	8-759-637-50 IC TA48M025F(TE16L)		
FL003	1-234-177-21	FILTER, CHIP EMI		IC703	8-759-701-40 IC NJM3404AM-T1		
FL004	1-234-177-21	FILTER, CHIP EMI		IC706	8-759-564-30 IC MSM51V18165B-60		
FL005	1-233-893-21	FILTER, CHIP EMI		IC801	8-752-407-50 IC CXD2752R		
FL006	1-234-177-21	FILTER, CHIP EMI		IC802	8-759-058-64 IC TC7S32FU(TE85R)		
FL202	1-234-177-21	FILTER, CHIP EMI		IC803	8-759-083-94 IC TC7W74FU		
FL203	1-234-177-21	FILTER, CHIP EMI		IC808	6-702-336-01 IC MSM56V16160F-8TK7R1		
FL204	1-234-177-21	FILTER, CHIP EMI		IC812	8-759-549-15 IC SN74LV245APWR		
FL301	1-234-177-21	FILTER, CHIP EMI		IC813	8-759-549-15 IC SN74LV245APWR		
FL303	1-234-177-21	FILTER, CHIP EMI		IC814	8-759-680-48 IC TC7WH157FK(TE85R)		
FL401	1-234-177-21	FILTER, CHIP EMI		IC900	8-759-238-47 IC TC74HCT7007AF(EL)		
FL402	1-234-177-21	FILTER, CHIP EMI		IC901	6-802-617-01 IC uPD703033BYGF-M14-3BA		
FL603	1-234-177-21	FILTER, CHIP EMI		IC902	8-759-828-32 IC PT8300		
FL604	1-234-177-21	FILTER, CHIP EMI		IC903	8-759-352-91 IC PST9143NL		
FL605	1-234-177-21	FILTER, CHIP EMI		IC904	8-759-352-91 IC PST9143NL		
FL606	1-234-177-21	FILTER, CHIP EMI			< JUMPER RESISTOR >		
FL701	1-234-177-21	FILTER, CHIP EMI		JW900	1-218-941-81 RES-CHIP 100 5% 1/16W		
FL702	1-234-177-21	FILTER, CHIP EMI		JW903	1-218-990-11 SHORT CHIP 0		
FL703	1-234-177-21	FILTER, CHIP EMI			< COIL >		
FL704	1-234-177-21	FILTER, CHIP EMI		L301	1-414-754-11 INDUCTOR 10uH		
FL705	1-234-177-21	FILTER, CHIP EMI		L600	1-414-754-11 INDUCTOR 10uH		
FL706	1-234-177-21	FILTER, CHIP EMI		L602	1-414-754-11 INDUCTOR 10uH		
FL807	1-234-177-21	FILTER, CHIP EMI			< TRANSISTOR >		
FL810	1-234-177-21	FILTER, CHIP EMI		Q001	8-729-901-00 TRANSISTOR DTC124EK		
FL811	1-234-177-21	FILTER, CHIP EMI		Q002	6-550-220-01 TRANSISTOR 2SB906(TE16L)		
FL812	1-234-177-21	FILTER, CHIP EMI		Q003	8-729-901-00 TRANSISTOR DTC124EK		
		< IC >		Q004	6-550-220-01 TRANSISTOR 2SB906(TE16L)		
IC001	8-759-583-47 IC uPC2933T-E2			Q301	8-729-900-53 TRANSISTOR DTC114EK		
IC002	8-759-473-95 IC uPC2905T-E1			Q302	8-729-900-53 TRANSISTOR DTC114EK		
IC003	8-759-473-95 IC uPC2905T-E1			Q900	8-729-027-23 TRANSISTOR DTA114EKA-T146		
IC004	8-759-473-95 IC uPC2905T-E1			Q901	8-729-230-63 TRANSISTOR 2SC4116-YG		
IC005	8-759-583-47 IC uPC2933T-E2			Q906	8-729-024-91 TRANSISTOR 2SC2712-GL-TE85L		
IC006	6-700-398-01 IC uPC2918T-E1			Q907	8-729-024-91 TRANSISTOR 2SC2712-GL-TE85L		
IC202	6-702-368-01 IC MT48LC4M32B2-7			Q908	8-729-901-00 TRANSISTOR DTC124EK		
IC203	8-759-668-01 IC BR9040F-D-E2			Q909	8-729-901-00 TRANSISTOR DTC124EK		
IC204	6-802-301-01 IC MR27V3202F-DMTPZ020 (NEW TYPE)			Q910	8-729-901-00 TRANSISTOR DTC124EK		
IC205	6-802-301-01 IC MR27V3202F-DMTPZ020 (FORMER TYPE)			Q1001	8-729-901-00 TRANSISTOR DTC124EK		
IC206	6-700-404-01 IC ZIVA-5P-B0			Q1002	8-729-230-27 TRANSISTOR 2SA1213Y-TE12L		
IC215	6-700-437-01 IC SN74ALVCH16841DGGR				< RESISTOR >		
IC301	8-752-914-59 IC CXP973064-223R			R001	1-218-990-11 SHORT CHIP 0		
IC302	8-759-640-41 IC BR24C08F-E2			R002	1-218-990-11 SHORT CHIP 0		
IC303	6-700-407-01 IC SM8707GV-G-E2			R003	1-218-990-11 SHORT CHIP 0		
IC401	8-752-408-73 IC CXD3068Q			R004	1-218-990-11 SHORT CHIP 0		
IC402	8-759-701-40 IC NJM3404AM-T1			R005	1-218-990-11 SHORT CHIP 0		
IC501	6-702-157-01 IC FAN8035L			R006	1-218-990-11 SHORT CHIP 0		
IC600	8-759-052-52 IC L78M05T-FA			R007	1-218-990-11 SHORT CHIP 0		
IC601	8-759-460-80 IC BA10FP-E2			R008	1-218-990-11 SHORT CHIP 0		
IC602	8-759-560-56 IC PCM1800E/2K			R009	1-218-953-11 RES-CHIP 1K 5% 1/16W		
IC603	8-759-337-40 IC NJM2904V(TE2)			R011	1-216-198-11 RES-CHIP 1K 5% 1/8W		
IC604	8-759-538-16 IC IS61LV6416-10TT(ISSI)			R013	1-218-990-11 SHORT CHIP 0		
IC605	8-759-835-63 IC NJM2391DL1-26(TE1)						
IC606	8-759-825-15 IC LC89056W-E						
IC607	8-759-698-76 IC CXD9617R						

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R015	1-218-990-11	SHORT CHIP	0			R207	1-218-285-11	METAL CHIP	75	5%	1/10W
R017	1-218-990-11	SHORT CHIP	0			R208	1-218-285-11	METAL CHIP	75	5%	1/10W
R018	1-218-990-11	SHORT CHIP	0			R209	1-218-285-11	METAL CHIP	75	5%	1/10W
R019	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R210	1-218-285-11	METAL CHIP	75	5%	1/10W
R020	1-218-990-11	SHORT CHIP	0			R211	1-218-990-11	SHORT CHIP	0		
R021	1-218-990-11	SHORT CHIP	0			R212	1-208-643-11	RES-CHIP	22	5%	1/16W
R022	1-218-990-11	SHORT CHIP	0			R213	1-218-990-11	SHORT CHIP	0		
R023	1-218-990-11	SHORT CHIP	0			R214	1-218-990-11	SHORT CHIP	0		
R024	1-218-990-11	SHORT CHIP	0			R215	1-218-935-11	RES-CHIP	33	5%	1/16W
R025	1-218-990-11	SHORT CHIP	0			R216	1-218-935-11	RES-CHIP	33	5%	1/16W
R026	1-218-990-11	SHORT CHIP	0			R217	1-218-935-11	RES-CHIP	33	5%	1/16W
R027	1-218-990-11	SHORT CHIP	0			R218	1-218-935-11	RES-CHIP	33	5%	1/16W
R028	1-218-990-11	SHORT CHIP	0			R219	1-218-935-11	RES-CHIP	33	5%	1/16W
R029	1-218-990-11	SHORT CHIP	0			R220	1-218-935-11	RES-CHIP	33	5%	1/16W
R030	1-218-990-11	SHORT CHIP	0			R221	1-218-935-11	RES-CHIP	33	5%	1/16W
R031	1-218-990-11	SHORT CHIP	0			R222	1-218-935-11	RES-CHIP	33	5%	1/16W
R032	1-218-990-11	SHORT CHIP	0			R223	1-218-935-11	RES-CHIP	33	5%	1/16W
R033	1-218-990-11	SHORT CHIP	0			R224	1-218-935-11	RES-CHIP	33	5%	1/16W
R034	1-218-990-11	SHORT CHIP	0			R225	1-218-935-11	RES-CHIP	33	5%	1/16W
R035	1-218-990-11	SHORT CHIP	0			R226	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R036	1-218-990-11	SHORT CHIP	0			R227	1-218-935-11	RES-CHIP	33	5%	1/16W
R037	1-218-990-11	SHORT CHIP	0			R228	1-218-935-11	RES-CHIP	33	5%	1/16W
R038	1-218-990-11	SHORT CHIP	0			R229	1-218-935-11	RES-CHIP	33	5%	1/16W
R039	1-218-990-11	SHORT CHIP	0			R230	1-218-935-11	RES-CHIP	33	5%	1/16W
R040	1-218-990-11	SHORT CHIP	0			R231	1-218-935-11	RES-CHIP	33	5%	1/16W
R041	1-218-990-11	SHORT CHIP	0			R232	1-218-990-11	SHORT CHIP	0		
R042	1-218-990-11	SHORT CHIP	0			R233	1-218-965-11	RES-CHIP	10K	5%	1/16W
R043	1-218-990-11	SHORT CHIP	0			R234	1-218-285-11	METAL CHIP	75	5%	1/10W
R044	1-218-990-11	SHORT CHIP	0			R236	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R045	1-218-990-11	SHORT CHIP	0			R238	1-218-941-81	RES-CHIP	100	5%	1/16W
R046	1-218-990-11	SHORT CHIP	0			R239	1-218-973-11	RES-CHIP	47K	5%	1/16W
R047	1-218-990-11	SHORT CHIP	0			R241	1-218-965-11	RES-CHIP	10K	5%	1/16W
R048	1-218-990-11	SHORT CHIP	0			R242	1-218-965-11	RES-CHIP	10K	5%	1/16W
R049	1-218-990-11	SHORT CHIP	0			R243	1-218-953-11	RES-CHIP	1K	5%	1/16W
R050	1-218-990-11	SHORT CHIP	0			R244	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R051	1-218-990-11	SHORT CHIP	0			R245	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R052	1-218-990-11	SHORT CHIP	0			R246	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R053	1-218-990-11	SHORT CHIP	0			R247	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R054	1-218-990-11	SHORT CHIP	0			R248	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R055	1-218-990-11	SHORT CHIP	0			R249	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R056	1-218-990-11	SHORT CHIP	0			R250	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R057	1-218-990-11	SHORT CHIP	0			R251	1-218-965-11	RES-CHIP	10K	5%	1/16W
R058	1-218-953-11	RES-CHIP	1K	5%	1/16W	R252	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R059	1-216-864-11	METAL CHIP	0	5%	1/10W	R253	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R060	1-216-864-11	METAL CHIP	0	5%	1/10W	R256	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R061	1-218-990-11	SHORT CHIP	0			R257	1-216-864-11	METAL CHIP	0	5%	1/10W
R062	1-218-990-11	SHORT CHIP	0			R258	1-216-864-11	METAL CHIP	0	5%	1/10W
R063	1-218-990-11	SHORT CHIP	0			R259	1-216-864-11	METAL CHIP	0	5%	1/10W
R064	1-218-990-11	SHORT CHIP	0			R260	1-216-864-11	METAL CHIP	0	5%	1/10W
R065	1-218-990-11	SHORT CHIP	0			R261	1-216-864-11	METAL CHIP	0	5%	1/10W
R066	1-218-953-11	RES-CHIP	1K	5%	1/16W	R262	1-218-285-11	METAL CHIP	75	5%	1/10W
R067	1-216-198-11	RES-CHIP	1K	5%	1/8W	R263	1-218-285-11	METAL CHIP	75	5%	1/10W
R068	1-218-990-11	SHORT CHIP	0			R264	1-218-285-11	METAL CHIP	75	5%	1/10W
R069	1-218-990-11	SHORT CHIP	0			R265	1-218-285-11	METAL CHIP	75	5%	1/10W
R070	1-218-990-11	SHORT CHIP	0			R266	1-218-285-11	METAL CHIP	75	5%	1/10W
R202	1-218-990-11	SHORT CHIP	0			R270	1-218-990-11	SHORT CHIP	0		
R203	1-208-869-11	METAL CHIP	180	0.5%	1/16W	R271	1-218-990-11	SHORT CHIP	0		
R206	1-218-990-11	SHORT CHIP	0			R272	1-218-990-11	SHORT CHIP	0		

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Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
R273	1-218-990-11	SHORT CHIP	0				R354	1-218-989-11	RES-CHIP	1M	5%	1/16W	
R274	1-218-990-11	SHORT CHIP	0				R355	1-218-941-81	RES-CHIP	100	5%	1/16W	
R275	1-218-990-11	SHORT CHIP	0				R356	1-218-945-11	RES-CHIP	220	5%	1/16W	
R281	1-218-990-11	SHORT CHIP	0				R357	1-218-941-81	RES-CHIP	100	5%	1/16W	
R282	1-218-990-11	SHORT CHIP	0				R358	1-218-941-81	RES-CHIP	100	5%	1/16W	
R283	1-218-990-11	SHORT CHIP	0				R359	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R284	1-218-990-11	SHORT CHIP	0				R360	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R285	1-218-990-11	SHORT CHIP	0				R361	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R286	1-218-990-11	SHORT CHIP	0				R362	1-218-990-11	SHORT CHIP	0			
R287	1-218-990-11	SHORT CHIP	0				R401	1-218-990-11	SHORT CHIP	0			
R288	1-218-990-11	SHORT CHIP	0				R402	1-218-990-11	SHORT CHIP	0			
R289	1-218-990-11	SHORT CHIP	0				R403	1-218-990-11	SHORT CHIP	0			
R302	1-218-965-11	RES-CHIP	10K	5%	1/16W		R404	1-218-990-11	SHORT CHIP	0			
R303	1-208-643-11	RES-CHIP	22	5%	1/16W		R405	1-218-990-11	SHORT CHIP	0			
R304	1-208-643-11	RES-CHIP	22	5%	1/16W		R406	1-218-990-11	SHORT CHIP	0			
R305	1-218-965-11	RES-CHIP	10K	5%	1/16W		R407	1-218-990-11	SHORT CHIP	0			
R306	1-208-643-11	RES-CHIP	22	5%	1/16W		R408	1-218-990-11	SHORT CHIP	0			
R307	1-208-643-11	RES-CHIP	22	5%	1/16W		R409	1-218-990-11	SHORT CHIP	0			
R308	1-208-643-11	RES-CHIP	22	5%	1/16W		R410	1-218-990-11	SHORT CHIP	0			
R309	1-218-990-11	SHORT CHIP	0				R412	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R311	1-208-643-11	RES-CHIP	22	5%	1/16W		R413	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R313	1-218-990-11	SHORT CHIP	0				R414	1-218-990-11	SHORT CHIP	0			
R314	1-218-990-11	SHORT CHIP	0				R417	1-218-990-11	SHORT CHIP	0			
R315	1-218-990-11	SHORT CHIP	0				R418	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R316	1-218-965-11	RES-CHIP	10K	5%	1/16W		R419	1-218-975-11	RES-CHIP	68K	5%	1/16W	
R317	1-218-941-81	RES-CHIP	100	5%	1/16W		R420	1-218-990-11	SHORT CHIP	0			
R318	1-218-941-81	RES-CHIP	100	5%	1/16W		R421	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R319	1-218-990-11	SHORT CHIP	0				R423	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R320	1-218-990-11	SHORT CHIP	0				R424	1-218-990-11	SHORT CHIP	0			
R321	1-218-941-81	RES-CHIP	100	5%	1/16W		R425	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R322	1-218-990-11	SHORT CHIP	0				R426	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R323	1-218-941-81	RES-CHIP	100	5%	1/16W		R427	1-218-990-11	SHORT CHIP	0			
R324	1-218-990-11	SHORT CHIP	0				R428	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R326	1-218-941-81	RES-CHIP	100	5%	1/16W		R429	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R327	1-218-941-81	RES-CHIP	100	5%	1/16W		R430	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R328	1-218-941-81	RES-CHIP	100	5%	1/16W		R431	1-218-990-11	SHORT CHIP	0			
R329	1-218-941-81	RES-CHIP	100	5%	1/16W		R432	1-218-990-11	SHORT CHIP	0			
R330	1-218-941-81	RES-CHIP	100	5%	1/16W		R433	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R331	1-218-945-11	RES-CHIP	220	5%	1/16W		R434	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R332	1-218-965-11	RES-CHIP	10K	5%	1/16W		R435	1-218-990-11	SHORT CHIP	0			
R333	1-218-965-11	RES-CHIP	10K	5%	1/16W		R436	1-218-990-11	SHORT CHIP	0			
R334	1-218-965-11	RES-CHIP	10K	5%	1/16W		R437	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R335	1-208-643-11	RES-CHIP	22	5%	1/16W		R438	1-218-990-11	SHORT CHIP	0			
R336	1-218-990-11	SHORT CHIP	0				R439	1-218-947-11	RES-CHIP	330	5%	1/16W	
R337	1-218-941-81	RES-CHIP	100	5%	1/16W		R440	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R338	1-218-990-11	SHORT CHIP	0				R441	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R339	1-218-990-11	SHORT CHIP	0				R442	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R340	1-218-990-11	SHORT CHIP	0				R443	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R341	1-218-990-11	SHORT CHIP	0				R444	1-218-985-11	RES-CHIP	470K	5%	1/16W	
R342	1-218-990-11	SHORT CHIP	0				R445	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R344	1-218-953-11	RES-CHIP	1K	5%	1/16W		R446	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R345	1-218-990-11	SHORT CHIP	0				R447	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R346	1-218-953-11	RES-CHIP	1K	5%	1/16W		R448	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R349	1-218-990-11	SHORT CHIP	0				R449	1-218-971-11	RES-CHIP	33K	5%	1/16W	
R350	1-218-941-81	RES-CHIP	100	5%	1/16W		R450	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R351	1-218-990-11	SHORT CHIP	0				R452	1-218-989-11	RES-CHIP	1M	5%	1/16W	
R352	1-218-990-11	SHORT CHIP	0				R453	1-218-989-11	RES-CHIP	1M	5%	1/16W	
R353	1-218-965-11	RES-CHIP	10K	5%	1/16W		R455	1-218-977-11	RES-CHIP	100K	5%	1/16W	

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R457	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R614	1-218-971-11	RES-CHIP	33K	5%	1/16W
R475	1-218-965-11	RES-CHIP	10K	5%	1/16W	R615	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R476	1-218-965-11	RES-CHIP	10K	5%	1/16W	R616	1-218-962-11	RES-CHIP	5.6K	5%	1/16W
R477	1-218-977-11	RES-CHIP	100K	5%	1/16W	R617	1-218-990-11	SHORT CHIP	0		
R478	1-218-990-11	SHORT CHIP	0			R618	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R479	1-218-977-11	RES-CHIP	100K	5%	1/16W	R619	1-218-973-11	RES-CHIP	47K	5%	1/16W
R510	1-208-939-11	METAL CHIP	150K	0.5%	1/16W	R620	1-218-941-81	RES-CHIP	100	5%	1/16W
R511	1-208-939-11	METAL CHIP	150K	0.5%	1/16W	R621	1-218-941-81	RES-CHIP	100	5%	1/16W
R512	1-218-974-11	METAL CHIP	56K	0.5%	1/16W	R622	1-218-941-81	RES-CHIP	100	5%	1/16W
R513	1-218-974-11	METAL CHIP	56K	0.5%	1/16W	R623	1-218-941-81	RES-CHIP	100	5%	1/16W
R514	1-218-990-11	SHORT CHIP	0			R624	1-218-941-81	RES-CHIP	100	5%	1/16W
R516	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R625	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R517	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R626	1-218-953-11	RES-CHIP	1K	5%	1/16W
R519	1-218-977-11	RES-CHIP	100K	5%	1/16W	R627	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R520	1-218-965-11	RES-CHIP	10K	5%	1/16W	R628	1-218-941-81	RES-CHIP	100	5%	1/16W
R521	1-218-977-11	RES-CHIP	100K	5%	1/16W	R629	1-218-941-81	RES-CHIP	100	5%	1/16W
R522	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R630	1-218-949-11	RES-CHIP	470	5%	1/16W
R523	1-218-965-11	RES-CHIP	10K	5%	1/16W	R631	1-218-941-81	RES-CHIP	100	5%	1/16W
R524	1-218-965-11	RES-CHIP	10K	5%	1/16W	R634	1-218-953-11	RES-CHIP	1K	5%	1/16W
R525	1-218-965-11	RES-CHIP	10K	5%	1/16W	R635	1-218-965-11	RES-CHIP	10K	5%	1/16W
R527	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R636	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R528	1-218-990-11	SHORT CHIP	0			R637	1-218-941-81	RES-CHIP	100	5%	1/16W
R529	1-218-971-11	RES-CHIP	33K	5%	1/16W	R639	1-218-941-81	RES-CHIP	100	5%	1/16W
R530	1-218-974-11	RES-CHIP	56K	5%	1/16W	R640	1-218-941-81	RES-CHIP	100	5%	1/16W
R531	1-218-990-11	SHORT CHIP	0			R642	1-218-941-81	RES-CHIP	100	5%	1/16W
R532	1-218-990-11	SHORT CHIP	0			R644	1-218-965-11	RES-CHIP	10K	5%	1/16W
R533	1-218-971-11	RES-CHIP	33K	5%	1/16W	R645	1-218-965-11	RES-CHIP	10K	5%	1/16W
R534	1-218-974-11	RES-CHIP	56K	5%	1/16W	R646	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R535	1-218-990-11	SHORT CHIP	0			R647	1-218-945-11	RES-CHIP	220	5%	1/16W
R538	1-218-977-11	RES-CHIP	100K	5%	1/16W	R648	1-218-941-81	RES-CHIP	100	5%	1/16W
R540	1-218-965-11	RES-CHIP	10K	5%	1/16W	R649	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R541	1-218-977-11	RES-CHIP	100K	5%	1/16W	R650	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R542	1-218-990-11	SHORT CHIP	0			R651	1-218-965-11	RES-CHIP	10K	5%	1/16W
R544	1-218-977-11	RES-CHIP	100K	5%	1/16W	R652	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R545	1-218-977-11	RES-CHIP	100K	5%	1/16W	R653	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R546	1-218-990-11	SHORT CHIP	0			R654	1-218-945-11	RES-CHIP	220	5%	1/16W
R550	1-218-990-11	SHORT CHIP	0			R655	1-218-941-81	RES-CHIP	100	5%	1/16W
R553	1-218-990-11	SHORT CHIP	0			R656	1-218-990-11	SHORT CHIP	0		
R554	1-218-990-11	SHORT CHIP	0			R657	1-218-953-11	RES-CHIP	1K	5%	1/16W
R579	1-218-964-11	RES-CHIP	8.2K	5%	1/16W	R658	1-218-941-81	RES-CHIP	100	5%	1/16W
R580	1-218-971-11	RES-CHIP	33K	5%	1/16W	R659	1-218-935-11	RES-CHIP	33	5%	1/16W
R581	1-218-966-11	RES-CHIP	12K	5%	1/16W	R660	1-218-945-11	RES-CHIP	220	5%	1/16W
R582	1-218-965-11	RES-CHIP	10K	5%	1/16W	R661	1-218-941-81	RES-CHIP	100	5%	1/16W
R583	1-218-965-11	RES-CHIP	10K	5%	1/16W	R662	1-218-941-81	RES-CHIP	100	5%	1/16W
R597	1-218-990-11	SHORT CHIP	0			R663	1-218-941-81	RES-CHIP	100	5%	1/16W
R600	1-218-941-81	RES-CHIP	100	5%	1/16W	R664	1-218-941-81	RES-CHIP	100	5%	1/16W
R602	1-218-989-11	RES-CHIP	1M	5%	1/16W	R665	1-218-965-11	RES-CHIP	10K	5%	1/16W
R603	1-218-941-81	RES-CHIP	100	5%	1/16W	R666	1-218-941-81	RES-CHIP	100	5%	1/16W
R604	1-218-941-81	RES-CHIP	100	5%	1/16W	R667	1-218-941-81	RES-CHIP	100	5%	1/16W
R605	1-218-941-81	RES-CHIP	100	5%	1/16W	R668	1-218-953-11	RES-CHIP	1K	5%	1/16W
R606	1-218-941-81	RES-CHIP	100	5%	1/16W	R669	1-218-953-11	RES-CHIP	1K	5%	1/16W
R607	1-218-941-81	RES-CHIP	100	5%	1/16W	R671	1-218-941-81	RES-CHIP	100	5%	1/16W
R608	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R672	1-218-945-11	RES-CHIP	220	5%	1/16W
R609	1-218-949-11	RES-CHIP	470	5%	1/16W	R673	1-218-945-11	RES-CHIP	220	5%	1/16W
R610	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R674	1-218-945-11	RES-CHIP	220	5%	1/16W
R611	1-218-941-81	RES-CHIP	100	5%	1/16W	R675	1-218-945-11	RES-CHIP	220	5%	1/16W
R612	1-218-973-11	RES-CHIP	47K	5%	1/16W	R676	1-218-945-11	RES-CHIP	220	5%	1/16W
R613	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R677	1-218-945-11	RES-CHIP	220	5%	1/16W

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DVD

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R679	1-218-941-81	RES-CHIP	100	5%	1/16W	R757	1-218-990-11	SHORT CHIP	0		
R680	1-218-941-81	RES-CHIP	100	5%	1/16W	R758	1-218-990-11	SHORT CHIP	0		
R682	1-218-965-11	RES-CHIP	10K	5%	1/16W	R759	1-218-990-11	SHORT CHIP	0		
R684	1-218-965-11	RES-CHIP	10K	5%	1/16W	R762	1-218-969-11	RES-CHIP	22K	5%	1/16W
R685	1-218-953-11	RES-CHIP	1K	5%	1/16W	R763	1-218-964-11	RES-CHIP	8.2K	5%	1/16W
R686	1-218-965-11	RES-CHIP	10K	5%	1/16W	R764	1-218-989-11	RES-CHIP	1M	5%	1/16W
R687	1-218-953-11	RES-CHIP	1K	5%	1/16W	R765	1-218-969-11	RES-CHIP	22K	5%	1/16W
R688	1-218-965-11	RES-CHIP	10K	5%	1/16W	R766	1-218-990-11	SHORT CHIP	0		
R689	1-218-965-11	RES-CHIP	10K	5%	1/16W	R767	1-218-973-11	RES-CHIP	47K	5%	1/16W
R692	1-218-941-81	RES-CHIP	100	5%	1/16W	R770	1-218-990-11	SHORT CHIP	0		
R695	1-218-941-81	RES-CHIP	100	5%	1/16W	R771	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R696	1-218-945-11	RES-CHIP	220	5%	1/16W	R772	1-208-643-11	RES-CHIP	22	5%	1/16W
R699	1-218-941-81	RES-CHIP	100	5%	1/16W	R776	1-218-990-11	SHORT CHIP	0		
R700	1-218-965-11	RES-CHIP	10K	5%	1/16W	R777	1-218-990-11	SHORT CHIP	0		
R702	1-218-965-11	RES-CHIP	10K	5%	1/16W	R778	1-218-977-11	RES-CHIP	100K	5%	1/16W
R703	1-218-965-11	RES-CHIP	10K	5%	1/16W	R780	1-218-990-11	SHORT CHIP	0		
R704	1-218-965-11	RES-CHIP	10K	5%	1/16W	R781	1-218-990-11	SHORT CHIP	0		
R705	1-218-965-11	RES-CHIP	10K	5%	1/16W	R799	1-218-990-11	SHORT CHIP	0		
R706	1-218-965-11	RES-CHIP	10K	5%	1/16W	R800	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R707	1-218-941-81	RES-CHIP	100	5%	1/16W	R803	1-218-941-81	RES-CHIP	100	5%	1/16W
R708	1-218-985-11	RES-CHIP	470K	5%	1/16W	R804	1-218-990-11	SHORT CHIP	0		
R709	1-218-979-11	RES-CHIP	150K	5%	1/16W	R805	1-218-965-11	RES-CHIP	10K	5%	1/16W
R710	1-218-965-11	RES-CHIP	10K	5%	1/16W	R821	1-208-643-11	RES-CHIP	22	5%	1/16W
R711	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R822	1-208-643-11	RES-CHIP	22	5%	1/16W
R712	1-218-965-11	RES-CHIP	10K	5%	1/16W	R823	1-208-643-11	RES-CHIP	22	5%	1/16W
R713	1-218-965-11	RES-CHIP	10K	5%	1/16W	R826	1-208-643-11	RES-CHIP	22	5%	1/16W
R714	1-218-965-11	RES-CHIP	10K	5%	1/16W	R827	1-218-941-81	RES-CHIP	100	5%	1/16W
R715	1-218-965-11	RES-CHIP	10K	5%	1/16W	R828	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R716	1-218-941-81	RES-CHIP	100	5%	1/16W	R829	1-218-941-81	RES-CHIP	100	5%	1/16W
R717	1-218-977-11	RES-CHIP	100K	5%	1/16W	R830	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R718	1-218-965-11	RES-CHIP	10K	5%	1/16W	R831	1-218-971-11	RES-CHIP	33K	5%	1/16W
R719	1-218-953-11	RES-CHIP	1K	5%	1/16W	R833	1-218-990-11	SHORT CHIP	0		
R720	1-218-953-11	RES-CHIP	1K	5%	1/16W	R834	1-218-990-11	SHORT CHIP	0		
R721	1-208-719-11	METAL CHIP	33K	0.5%	1/16W	R835	1-218-990-11	SHORT CHIP	0		
R724	1-208-683-11	METAL CHIP	1K	0.5%	1/16W	R836	1-218-990-11	SHORT CHIP	0		
R725	1-218-956-11	RES-CHIP	1.8K	5%	1/16W	R837	1-218-990-11	SHORT CHIP	0		
R726	1-208-935-11	METAL CHIP	100K	0.5%	1/16W	R838	1-218-990-11	SHORT CHIP	0		
R727	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W	R839	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R728	1-208-707-11	METAL CHIP	10K	0.5%	1/16W	R840	1-218-990-11	SHORT CHIP	0		
R729	1-218-964-11	RES-CHIP	8.2K	5%	1/16W	R841	1-218-990-11	SHORT CHIP	0		
R730	1-208-643-11	RES-CHIP	22	5%	1/16W	R842	1-218-965-11	RES-CHIP	10K	5%	1/16W
R731	1-208-643-11	RES-CHIP	22	5%	1/16W	R843	1-218-990-11	SHORT CHIP	0		
R732	1-218-965-11	RES-CHIP	10K	5%	1/16W	R844	1-218-990-11	SHORT CHIP	0		
R735	1-218-965-11	RES-CHIP	10K	5%	1/16W	R845	1-218-990-11	SHORT CHIP	0		
R737	1-218-965-11	RES-CHIP	10K	5%	1/16W	R846	1-218-990-11	SHORT CHIP	0		
R738	1-208-643-11	RES-CHIP	22	5%	1/16W	R847	1-208-643-11	RES-CHIP	22	5%	1/16W
R741	1-208-643-11	RES-CHIP	22	5%	1/16W	R848	1-208-643-11	RES-CHIP	22	5%	1/16W
R742	1-208-643-11	RES-CHIP	22	5%	1/16W	R849	1-208-643-11	RES-CHIP	22	5%	1/16W
R743	1-208-643-11	RES-CHIP	22	5%	1/16W	R850	1-208-643-11	RES-CHIP	22	5%	1/16W
R744	1-208-643-11	RES-CHIP	22	5%	1/16W	R851	1-218-990-11	SHORT CHIP	0		
R745	1-218-973-11	RES-CHIP	47K	5%	1/16W	R852	1-218-990-11	SHORT CHIP	0		
R746	1-218-973-11	RES-CHIP	47K	5%	1/16W	R865	1-218-990-11	SHORT CHIP	0		
R750	1-218-965-11	RES-CHIP	10K	5%	1/16W	R866	1-218-990-11	SHORT CHIP	0		
R752	1-218-990-11	SHORT CHIP	0			R867	1-218-990-11	SHORT CHIP	0		
R753	1-218-990-11	SHORT CHIP	0			R882	1-218-965-11	RES-CHIP	10K	5%	1/16W
R754	1-218-990-11	SHORT CHIP	0			R883	1-218-965-11	RES-CHIP	10K	5%	1/16W
R755	1-218-990-11	SHORT CHIP	0			R884	1-218-965-11	RES-CHIP	10K	5%	1/16W
R756	1-218-990-11	SHORT CHIP	0			R885	1-218-965-11	RES-CHIP	10K	5%	1/16W

DVD

HEADPHONE

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R886	1-218-965-11	RES-CHIP	10K	5%	1/16W	R974	1-218-990-11	SHORT CHIP	0		
R887	1-218-965-11	RES-CHIP	10K	5%	1/16W	R981	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R888	1-218-965-11	RES-CHIP	10K	5%	1/16W	R982	1-218-965-11	RES-CHIP	10K	5%	1/16W
R889	1-218-965-11	RES-CHIP	10K	5%	1/16W	R985	1-218-985-11	RES-CHIP	470K	5%	1/16W
R900	1-218-941-81	RES-CHIP	100	5%	1/16W	R986	1-218-973-11	RES-CHIP	47K	5%	1/16W
R901	1-218-941-81	RES-CHIP	100	5%	1/16W	R987	1-218-973-11	RES-CHIP	47K	5%	1/16W
R902	1-218-941-81	RES-CHIP	100	5%	1/16W	R988	1-218-990-11	SHORT CHIP	0		
R903	1-218-941-81	RES-CHIP	100	5%	1/16W	R989	1-218-990-11	SHORT CHIP	0		
R904	1-218-941-81	RES-CHIP	100	5%	1/16W	R991	1-218-965-11	RES-CHIP	10K	5%	1/16W
R905	1-218-941-81	RES-CHIP	100	5%	1/16W	R992	1-218-965-11	RES-CHIP	10K	5%	1/16W
R906	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R993	1-218-953-11	RES-CHIP	1K	5%	1/16W
R907	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R998	1-218-965-11	RES-CHIP	10K	5%	1/16W
R908	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1000	1-218-965-11	RES-CHIP	10K	5%	1/16W
R909	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1001	1-218-965-11	RES-CHIP	10K	5%	1/16W
R910	1-218-941-81	RES-CHIP	100	5%	1/16W	R1002	1-220-210-11	RES-CHIP	200K	5%	1/16W
R911	1-218-941-81	RES-CHIP	100	5%	1/16W	R1003	1-218-941-81	RES-CHIP	100	5%	1/16W
R912	1-218-941-81	RES-CHIP	100	5%	1/16W	R1004	1-218-965-11	RES-CHIP	10K	5%	1/16W
R913	1-218-941-81	RES-CHIP	100	5%	1/16W	R1005	1-218-965-11	RES-CHIP	10K	5%	1/16W
R914	1-218-941-81	RES-CHIP	100	5%	1/16W	R1006	1-218-965-11	RES-CHIP	10K	5%	1/16W
R915	1-218-941-81	RES-CHIP	100	5%	1/16W	R1008	1-218-941-81	RES-CHIP	100	5%	1/16W
R916	1-218-941-81	RES-CHIP	100	5%	1/16W	R1009	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R917	1-218-952-11	RES-CHIP	820	5%	1/16W	R1010	1-218-965-11	RES-CHIP	10K	5%	1/16W
R918	1-218-952-11	RES-CHIP	820	5%	1/16W	R1011	1-218-953-11	RES-CHIP	1K	5%	1/16W
R919	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1014	1-216-174-00	RES-CHIP	100	5%	1/8W
R920	1-218-941-81	RES-CHIP	100	5%	1/16W	R1015	1-216-174-00	RES-CHIP	100	5%	1/8W
R921	1-218-941-81	RES-CHIP	100	5%	1/16W	R1016	1-216-174-00	RES-CHIP	100	5%	1/8W
R922	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1017	1-218-941-81	RES-CHIP	100	5%	1/16W
R926	1-218-941-81	RES-CHIP	100	5%	1/16W	R1019	1-216-198-11	RES-CHIP	1K	5%	1/8W
R929	1-218-967-11	RES-CHIP	15K	5%	1/16W	R1020	1-216-198-11	RES-CHIP	1K	5%	1/8W
R930	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1021	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R931	1-218-953-11	RES-CHIP	1K	5%	1/16W	R1022	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R933	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1023	1-218-949-11	RES-CHIP	470	5%	1/16W
R935	1-218-968-11	RES-CHIP	18K	5%	1/16W	R1024	1-218-949-11	RES-CHIP	470	5%	1/16W
R936	1-218-953-11	RES-CHIP	1K	5%	1/16W	< VIBRATOR >					
R937	1-218-965-11	RES-CHIP	10K	5%	1/16W	*****					
R939	1-218-965-11	RES-CHIP	10K	5%	1/16W	X301	1-781-945-21	VIBRATOR, CERAMIC (20MHz)			
R941	1-218-965-11	RES-CHIP	10K	5%	1/16W	X302	1-767-519-11	VIBRATOR, CRYSTAL (27MHz)			
R942	1-218-965-11	RES-CHIP	10K	5%	1/16W	X600	1-781-465-21	VIBRATOR, CRYSTAL (12.288MHz)			
R943	1-218-965-11	RES-CHIP	10K	5%	1/16W	X601	1-795-363-21	VIBRATOR, CERAMIC (13.5MHz)			
R944	1-218-965-11	RES-CHIP	10K	5%	1/16W	X901	1-781-945-21	VIBRATOR, CERAMIC (20MHz)			
R945	1-218-965-11	RES-CHIP	10K	5%	1/16W	*****					
R946	1-218-965-11	RES-CHIP	10K	5%	1/16W	1-685-217-11	HEADPHONE BOARD				
R948	1-218-965-11	RES-CHIP	10K	5%	1/16W	*****					
R949	1-218-965-11	RES-CHIP	10K	5%	1/16W	< CAPACITOR >					
R950	1-218-973-11	RES-CHIP	47K	5%	1/16W						
R956	1-218-965-11	RES-CHIP	10K	5%	1/16W	C903	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
R959	1-218-990-11	SHORT CHIP	0			C904	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
R960	1-218-965-11	RES-CHIP	10K	5%	1/16W	C905	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
R961	1-218-965-11	RES-CHIP	10K	5%	1/16W	C909	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R962	1-218-965-11	RES-CHIP	10K	5%	1/16W	< CONNECTOR >					
R963	1-218-957-11	RES-CHIP	2.2K	5%	1/16W						
R964	1-218-973-11	RES-CHIP	47K	5%	1/16W	CN900	1-506-469-11	PIN, CONNECTOR 4P			
R965	1-218-965-11	RES-CHIP	10K	5%	1/16W	< JACK >					
R967	1-218-941-81	RES-CHIP	100	5%	1/16W						
R968	1-218-990-11	SHORT CHIP	0			J900	1-816-482-11	JACK (PHONES)			
R969	1-218-959-11	RES-CHIP	3.3K	5%	1/16W						
R970	1-218-965-11	RES-CHIP	10K	5%	1/16W						
R972	1-218-965-11	RES-CHIP	10K	5%	1/16W						

AVD-C70ES

HEADPHONE

JOG

Ref. No.	Part No.	Description	Remark			
< NOISE FILTER >						
L900	1-424-122-11	FILTER, NOISE				
L901	1-424-122-11	FILTER, NOISE				
L902	1-424-122-11	FILTER, NOISE				
L903	1-410-387-11	INDUCTOR CHIP	33uH			

A-4729-097-A		JOG BOARD, COMPLETE				

< CAPACITOR >						
C831	1-126-514-11	ELECT	22uF	20%	6.3V	
C832	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C833	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C834	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C835	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C836	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C841	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C842	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C843	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C844	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C845	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C846	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C847	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C848	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C849	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
< CONNECTOR >						
CN801	1-779-550-21	CONNECTOR, FFC (LIF(NON-ZIF)) 13P				
CN802	1-750-195-11	CONNECTOR, BOARD TO BOARD 6P				
< DIODE >						
D831	8-719-072-81	LED SELU5E23C-STP15				
		(MULTI CHANNEL DECODING)				
D832	8-719-072-81	LED SELU5E23C-STP15				
		(MULTI CHANNEL DECODING)				
D841	8-719-072-81	LED SELU5E23C-STP15 (DISC 1)				
D842	8-719-072-81	LED SELU5E23C-STP15 (DISC 2)				
D843	8-719-072-81	LED SELU5E23C-STP15 (DISC 3)				
D844	8-719-072-81	LED SELU5E23C-STP15 (DISC 4)				
D845	8-719-072-81	LED SELU5E23C-STP15 (DISC 5)				
< IC >						
IC831	8-752-842-96	IC CXP2008M				
< TRANSISTOR >						
Q830	8-729-602-36	TRANSISTOR 2SA1602-F				
Q841	8-729-901-00	TRANSISTOR DTC124EK				
Q842	8-729-901-00	TRANSISTOR DTC124EK				
Q843	8-729-901-00	TRANSISTOR DTC124EK				
Q844	8-729-901-00	TRANSISTOR DTC124EK				
Q845	8-729-901-00	TRANSISTOR DTC124EK				
Q847	8-729-901-00	TRANSISTOR DTC124EK				
< RESISTOR >						
R800	1-216-821-11	METAL CHIP 1K 5% 1/10W				
R801	1-216-825-11	METAL CHIP 2.2K 5% 1/10W				
R802	1-216-825-11	METAL CHIP 2.2K 5% 1/10W				

Ref. No.	Part No.	Description			Remark
R803	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R804	1-216-833-11	METAL CHIP	10K	5%	1/10W
R805	1-216-837-11	METAL CHIP	22K	5%	1/10W
R810	1-216-864-11	METAL CHIP	0	5%	1/10W
R811	1-216-821-11	METAL CHIP	1K	5%	1/10W
R812	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R813	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R814	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R815	1-216-833-11	METAL CHIP	10K	5%	1/10W
R816	1-216-837-11	METAL CHIP	22K	5%	1/10W
R820	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R821	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R822	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R823	1-216-833-11	METAL CHIP	10K	5%	1/10W
R824	1-216-837-11	METAL CHIP	22K	5%	1/10W
R826	1-216-805-11	METAL CHIP	47	5%	1/10W
R827	1-216-805-11	METAL CHIP	47	5%	1/10W
R828	1-216-833-11	METAL CHIP	10K	5%	1/10W
R829	1-216-833-11	METAL CHIP	10K	5%	1/10W
R833	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R835	1-216-841-11	METAL CHIP	47K	5%	1/10W
R836	1-216-809-11	METAL CHIP	100	5%	1/10W
R837	1-216-809-11	METAL CHIP	100	5%	1/10W
R838	1-216-809-11	METAL CHIP	100	5%	1/10W
R839	1-216-809-11	METAL CHIP	100	5%	1/10W
R841	1-216-805-11	METAL CHIP	47	5%	1/10W
R842	1-216-805-11	METAL CHIP	47	5%	1/10W
R843	1-216-805-11	METAL CHIP	47	5%	1/10W
R844	1-216-805-11	METAL CHIP	47	5%	1/10W
R845	1-216-805-11	METAL CHIP	47	5%	1/10W
< ROTARY ENCODER >					
RV841	1-418-725-41	ENCODER, ROTARY (12 TYPE) (VOLUME)			
< SWITCH >					
S801	1-762-875-21	SWITCH, KEYBOARD (■)			
S802	1-762-875-21	SWITCH, KEYBOARD (▲)			
S803	1-762-875-21	SWITCH, KEYBOARD (▶)			
S804	1-762-875-21	SWITCH, KEYBOARD (■)			
S805	1-762-875-21	SWITCH, KEYBOARD (FUNCTION -)			
S806	1-762-875-21	SWITCH, KEYBOARD (FUNCTION +)			
S811	1-762-875-21	SWITCH, KEYBOARD (PRESET -/◀◀)			
S812	1-762-875-21	SWITCH, KEYBOARD (PRESET +/▶▶)			
S813	1-762-875-21	SWITCH, KEYBOARD (MODE)			
S814	1-762-875-21	SWITCH, KEYBOARD (2CH)			
S815	1-762-875-21	SWITCH, KEYBOARD (A.F.D.)			
S816	1-762-875-21	SWITCH, KEYBOARD (SKIP)			
S817	1-762-875-21	SWITCH, KEYBOARD (EX-CHANGE)			
S821	1-762-875-21	SWITCH, KEYBOARD (DISC 1)			
S822	1-762-875-21	SWITCH, KEYBOARD (DISC 2)			
S823	1-762-875-21	SWITCH, KEYBOARD (DISC 3)			
S824	1-762-875-21	SWITCH, KEYBOARD (DISC 4)			
S825	1-762-875-21	SWITCH, KEYBOARD (DISC 5)			

LINK

MOTOR

POWER

Ref. No.	Part No.	Description	Remark		
	A-4729-100-A	LINK BOARD, COMPLETE	*****		
		< CAPACITOR >			
C941	1-119-943-11	ELECT	47uF	20%	50V
C942	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C943	1-164-505-11	CERAMIC CHIP	2.2uF		16V
		< CONNECTOR >			
CN911	1-794-354-11	CONNECTOR, FFC/FPC 19P			
CN913	1-568-955-11	PIN, CONNECTOR 6P			
CN914	1-784-776-11	CONNECTOR, FFC 15P			
		< IC >			
IC902	8-759-356-03	IC BA6780			
		< RESISTOR >			
R921	1-217-907-11	RES-CHIP	1.8	5%	1/10W
R922	1-217-907-11	RES-CHIP	1.8	5%	1/10W
R923	1-217-907-11	RES-CHIP	1.8	5%	1/10W
R924	1-216-797-11	METAL CHIP	10	5%	1/10W
R925	1-216-797-11	METAL CHIP	10	5%	1/10W
R926	1-216-797-11	METAL CHIP	10	5%	1/10W
R927	1-216-797-11	METAL CHIP	10	5%	1/10W
R928	1-216-833-11	METAL CHIP	10K	5%	1/10W
R929	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R930	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R931	1-216-834-11	METAL CHIP	12K	5%	1/10W

	1-685-219-11	MOTOR BOARD	*****		

	A-4729-090-A	POWER BOARD, COMPLETE (US)			
	A-4729-107-A	POWER BOARD, COMPLETE (Canadian)	*****		
	1-533-293-11	HOLDER, FUSE			
*	3-309-144-21	HEAT SINK			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3			
		< CAPACITOR >			
△ C901	1-115-165-11	FILM	0.1uF	20%	275V
C902	1-126-933-11	ELECT	100uF	20%	16V
C903	1-128-582-11	ELECT	10uF	20%	63V
△ C904	1-113-920-11	CERAMIC	0.0022uF	20%	250V
△ C905	1-113-920-11	CERAMIC	0.0022uF	20%	250V
△ C906	1-113-920-11	CERAMIC	0.0022uF	20%	250V
△ C907	1-115-165-11	FILM	0.1uF	20%	275V
△ C908	1-113-904-51	CERAMIC	0.0015uF	20%	250V
△ C909	1-113-920-11	CERAMIC	0.0022uF	20%	250V
C910	1-162-290-31	CERAMIC	470PF	10%	50V
△ C911	1-113-920-11	CERAMIC	0.0022uF	20%	250V
△ C912	1-113-920-11	CERAMIC	0.0022uF	20%	250V
C913	1-126-966-11	ELECT	33uF	20%	35V
C914	1-110-620-11	ELECT	220uF	20%	63V
C915	1-137-150-11	MYLAR	0.01uF	5%	50V

Ref. No.	Part No.	Description	Remark			
△ C916	1-100-018-11	ELECT	1000uF	20%	200V	
C917	1-137-150-11	MYLAR	0.01uF	5%	50V	
△ C918	1-136-270-11	FILM	47PF	5%	630V	
C919	1-126-963-11	ELECT	4.7uF	20%	50V	
△ C920	1-135-623-11	FILM	0.01uF	5%	630V	
C921	1-130-471-00	MYLAR	0.001uF	5%	50V	
△ C922	1-136-439-11	FILM	330PF	5%	630V	
△ C923	1-117-452-11	FILM	0.0033uF	5%	630V	
C924	1-117-332-11	ELECT	2200uF	20%	25V	
C925	1-124-579-51	ELECT	1000uF	20%	16V	
C926	1-117-306-11	ELECT	3300uF	20%	16V	
△ C927	1-113-904-51	CERAMIC	0.0015uF	20%	250V	
C928	1-137-150-11	MYLAR	0.01uF	5%	50V	
C929	1-127-888-11	CERAMIC	0.1uF	10%	50V	
△ C930	1-117-452-11	FILM	0.0033uF	5%	630V	
C931	1-135-683-11	ELECT	330uF		25V	
C932	1-110-622-11	ELECT	1000uF	20%	63V	
C933	1-110-622-11	ELECT	1000uF	20%	63V	
C934	1-110-622-11	ELECT	1000uF	20%	63V	
C935	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C936	1-124-579-51	ELECT	1000uF	20%	16V	
C937	1-126-768-11	ELECT	2200uF	20%	16V	
C939	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C941	1-104-665-11	ELECT	100uF	20%	10V	
C943	1-126-934-11	ELECT	220uF	20%	16V	
C944	1-128-582-11	ELECT	10uF	20%	63V	
C945	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C946	1-126-964-11	ELECT	10uF	20%	50V	
C947	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C948	1-126-935-11	ELECT	470uF	20%	10V	
C949	1-126-237-11	ELECT	1200uF	20%	6.3V	
C950	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C951	1-162-282-31	CERAMIC	100PF	10%	50V	
△ C953	1-113-904-51	CERAMIC	0.0015uF	20%	250V	
C954	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C955	1-162-286-31	CERAMIC	220PF	10%	50V	
C956	1-130-475-00	MYLAR	0.0022uF	5%	50V	
C958	1-126-965-11	ELECT	22uF	20%	50V	
		< CONNECTOR >				
CN300	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P				
CN301	1-691-766-11	PLUG (MICRO CONNECTOR) 4P				
* CN901	1-564-731-11	PIN, CONNECTOR (SMALL TYPE) 15P				
CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P				
* CNP903	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P				
		< DIODE >				
D901	8-719-933-91	DIODE HZS18-1L				
D902	8-719-970-02	DIODE 1SR139-400-T31				
D903	8-719-200-93	DIODE 11EQS10-TA2				
D904	8-719-970-02	DIODE 1SR139-400-T31				
D905	6-500-391-01	DIODE RBV-604-01				
D906	8-719-200-93	DIODE 11EQS10-TA2				
D907	8-719-080-26	DIODE SARS01V0				
D908	8-719-986-54	DIODE HZS24-1LTA				
D909	8-719-986-47	DIODE HZS20-2LTA				
D910	8-719-911-19	DIODE 1SS119-25				
D911	6-500-241-01	DIODE SARS03				

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

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

POWER

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D912	8-719-200-93	DIODE 11EQS10-TA2		Q902	8-729-900-63	TRANSISTOR DTA124ES	
D913	8-719-080-54	DIODE RK39LF-B3		Q903	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D914	8-719-064-47	DIODE RN1Z-LF-B1		Q904	8-729-025-04	TRANSISTOR 2SC3852A	
D915	8-719-064-47	DIODE RN1Z-LF-B1		Q905	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D916	8-719-986-54	DIODE HZS24-1LTA		Q906	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D917	8-719-313-14	DIODE FML-22S		Q907	8-729-900-63	TRANSISTOR DTA124ES	
D918	8-719-301-45	DIODE RK14		Q908	8-729-900-36	TRANSISTOR DTC124ES	
D919	8-719-109-89	DIODE RD5.6ES-B2		Q909	8-729-018-59	TRANSISTOR 2SB1375(LB-SONY)	
D920	8-719-024-99	DIODE 11ES2-NTA2B		Q910	8-729-021-73	TRANSISTOR 2SC2229-OY	
D921	8-719-024-99	DIODE 11ES2-NTA2B		Q911	8-729-900-36	TRANSISTOR DTC124ES	
D922	8-719-911-19	DIODE 1SS119-25		Q912	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D923	8-719-301-45	DIODE RK14		Q913	8-729-900-36	TRANSISTOR DTC124ES	
D924	8-719-911-19	DIODE 1SS119-25		Q914	8-729-025-04	TRANSISTOR 2SC3852A	
D925	8-719-109-89	DIODE RD5.6ES-B2		Q915	8-729-900-63	TRANSISTOR DTA124ES	
D926	8-719-985-96	DIODE HZS7A-3LTA		Q916	8-729-140-96	TRANSISTOR 2SD774-34	
D927	8-719-986-38	DIODE HZS16-1LTA		Q917	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D928	8-719-911-19	DIODE 1SS119-25		Q918	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D929	8-719-200-93	DIODE 11EQS10-TA2		Q919	8-729-900-36	TRANSISTOR DTC124ES	
D930	8-719-911-19	DIODE 1SS119-25		Q920	8-729-900-36	TRANSISTOR DTC124ES	
D931	8-719-911-19	DIODE 1SS119-25		< RESISTOR >			
D932	8-719-986-01	DIODE HZS7C-2LTA		R901	1-247-843-11	CARBON 3.3K 5%	1/4W
< EARTH TERMINAL >				△ R902	1-219-237-11	SOLID 3.3M 20%	1/2W F
* EP901	1-537-738-21	TERMINAL, EARTH		R903	1-247-807-31	CARBON 100 5%	1/4W
* EP902	1-537-738-21	TERMINAL, EARTH		R904	1-249-429-11	CARBON 10K 5%	1/4W
* EP903	1-537-738-21	TERMINAL, EARTH		△ R905	1-219-984-51	METAL 0.1 5%	2W F
* EP904	1-537-738-21	TERMINAL, EARTH		△ R906	1-219-984-51	METAL 0.1 5%	2W F
< IC >				△ R907	1-219-237-11	SOLID 3.3M 20%	1/2W F
IC901	6-702-386-01	IC STR-G7421		△ R908	1-220-906-11	RESISTOR 0.15 10%	2W F
IC902	6-702-338-01	IC STR-F6238S		R909	1-249-415-11	CARBON 680 5%	1/4W
IC903	8-749-920-44	IC SE-012N		R910	1-249-409-11	CARBON 220 5%	1/4W
IC904	6-700-812-01	IC SI-8050JF		△ R911	1-215-900-61	METAL OXIDE 22K 5%	2W F
IC905	6-700-388-01	IC SE-B2		△ R912	1-245-261-61	METAL OXIDE 0.12 5%	2W F
IC906	8-759-245-86	IC TA79012S		△ R913	1-245-261-61	METAL OXIDE 0.12 5%	2W F
IC907	8-759-394-36	IC BA09T		△ R914	1-245-261-61	METAL OXIDE 0.12 5%	2W F
IC908	8-759-450-47	IC BA05T		R915	1-247-843-11	CARBON 3.3K 5%	1/4W
IC909	8-759-932-23	IC TLC272CP		R916	1-247-843-11	CARBON 3.3K 5%	1/4W
IC910	8-759-659-28	IC SI-8033S		R917	1-247-843-11	CARBON 3.3K 5%	1/4W
IC911	8-759-245-79	IC TA79005S		△ R918	1-215-889-61	METAL OXIDE 330 5%	2W F
IC912	8-759-332-29	IC M51945BL		R919	1-249-421-11	CARBON 2.2K 5%	1/4W
< COIL >				△ R920	1-216-375-61	METAL OXIDE 3.3 5%	2W F
L901	1-419-505-11	COIL, CHOKE 10uH		R921	1-249-425-11	CARBON 4.7K 5%	1/4W
L902	1-419-253-11	COIL, CHOKE 100uH		△ R922	1-215-903-61	METAL OXIDE 68K 5%	2W F
L903	1-419-253-11	COIL, CHOKE 100uH		R923	1-249-393-11	CARBON 10 5%	1/4W
< LINE FILTER >				R924	1-249-417-11	CARBON 1K 5%	1/4W
△ LF901	1-456-206-11	COIL, LINE FILTER		R925	1-249-422-11	CARBON 2.7K 5%	1/4W
△ LF902	1-456-206-11	COIL, LINE FILTER		△ R926	1-215-373-31	METAL 10 1%	1/4W F
< PHOTO COUPLER >				R927	1-249-419-11	CARBON 1.5K 5%	1/4W
PC901	8-749-019-04	PHOTO COUPLER TLP421		R928	1-249-421-11	CARBON 2.2K 5%	1/4W
PC902	8-749-019-04	PHOTO COUPLER TLP421		R929	1-249-414-11	CARBON 560 5%	1/4W
< TRANSISTOR >				R930	1-249-408-11	CARBON 180 5%	1/4W
Q901	8-729-025-04	TRANSISTOR 2SC3852A		△ R931	1-215-425-00	METAL 1.5K 1%	1/4W F
				△ R932	1-215-447-00	METAL 12K 1%	1/4W F
				R933	1-249-415-11	CARBON 680 5%	1/4W
				R934	1-249-417-11	CARBON 1K 5%	1/4W
				R935	1-249-425-11	CARBON 4.7K 5%	1/4W
				R937	1-249-429-11	CARBON 10K 5%	1/4W
				R938	1-247-843-11	CARBON 3.3K 5%	1/4W

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POWER

RF

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R939	1-249-433-11	CARBON	22K	5%	1/4W	C027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R940	1-247-883-00	CARBON	150K	5%	1/4W	C028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R941	1-249-435-11	CARBON	33K	5%	1/4W	C029	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R942	1-249-433-11	CARBON	22K	5%	1/4W	C030	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R943	1-249-437-11	CARBON	47K	5%	1/4W	C031	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
R944	1-249-433-11	CARBON	22K	5%	1/4W	C032	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
R945	1-247-807-31	CARBON	100	5%	1/4W	C033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
△ R946	1-215-421-00	METAL	1K	1%	1/4W	C034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
△ R947	1-216-436-00	METAL OXIDE	3.9K	5%	1W	C035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R948	1-249-429-11	CARBON	10K	5%	1/4W	C036	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
R950	1-249-429-11	CARBON	10K	5%	1/4W	C037	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
R951	1-249-433-11	CARBON	22K	5%	1/4W	C038	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
R952	1-249-427-11	CARBON	6.8K	5%	1/4W	C039	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
R953	1-247-843-11	CARBON	3.3K	5%	1/4W	C040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R954	1-249-437-11	CARBON	47K	5%	1/4W	C041	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R955	1-249-415-11	CARBON	680	5%	1/4W	C042	1-164-218-11	CERAMIC CHIP	180PF	0.25PF	50V
R956	1-249-429-11	CARBON	10K	5%	1/4W	C049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R957	1-249-435-11	CARBON	33K	5%	1/4W	< CONNECTOR >					
R958	1-247-883-00	CARBON	150K	5%	1/4W	CN001	1-815-031-11	CONNECTOR, FFC/FPC (ZIF) 24P			
R959	1-249-393-11	CARBON	10	5%	1/4W	CN002	1-784-836-21	CONNECTOR, FFC (LIF(NON-ZIF)) 29P			
< TRANSFORMER >						CN003	1-784-861-21	CONNECTOR, FFC (LIF(NON-ZIF)) 9P			
△ T901	1-437-808-11	TRANSFORMER, POWER				< DIODE >					
△ T902	1-437-809-11	TRANSFORMER, POWER				< DIODE >					
< THERMISTOR >						D001	8-719-988-61	DIODE	1SS355TE-17		
TH901	1-803-916-11	THERMISTOR, NTC				D002	8-719-988-61	DIODE	1SS355TE-17		
*****						< IC >					
A-4728-690-A	RF BOARD, COMPLETE					IC001	8-752-417-53	IC	CXD1881AR		
*****						< COIL >					
< CAPACITOR >						L001	1-412-031-11	INDUCTOR CHIP	47uH		
C001	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	L002	1-412-031-11	INDUCTOR CHIP	47uH		
C002	1-124-779-00	ELECT CHIP	10uF	20%	16V	< TRANSISTOR >					
C003	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	Q001	8-729-903-46	TRANSISTOR	2SB1132-P		
C004	1-124-779-00	ELECT CHIP	10uF	20%	16V	Q002	8-729-903-46	TRANSISTOR	2SB1132-P		
C005	1-128-993-21	ELECT CHIP	22uF	20%	10V	< RESISTOR >					
C006	1-128-993-21	ELECT CHIP	22uF	20%	10V	R001	1-218-668-11	METAL CHIP	100	0.5%	1/16W
C008	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R003	1-216-803-11	METAL CHIP	33	5%	1/10W
C009	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R004	1-216-803-11	METAL CHIP	33	5%	1/10W
C010	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	R005	1-216-841-11	METAL CHIP	47K	5%	1/10W
C011	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	R006	1-216-817-11	METAL CHIP	470	5%	1/10W
C012	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R007	1-216-803-11	METAL CHIP	33	5%	1/10W
C013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R008	1-216-803-11	METAL CHIP	33	5%	1/10W
C014	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	R009	1-216-841-11	METAL CHIP	47K	5%	1/10W
C015	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	R010	1-216-817-11	METAL CHIP	470	5%	1/10W
C016	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	R011	1-216-864-11	METAL CHIP	0	5%	1/10W
C017	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	R012	1-216-864-11	METAL CHIP	0	5%	1/10W
C018	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V	R013	1-216-864-11	METAL CHIP	0	5%	1/10W
C019	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V	R014	1-216-864-11	METAL CHIP	0	5%	1/10W
C020	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	R015	1-216-864-11	METAL CHIP	0	5%	1/10W
C021	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	R016	1-216-864-11	METAL CHIP	0	5%	1/10W
C022	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	R017	1-216-864-11	METAL CHIP	0	5%	1/10W
C023	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	R018	1-216-864-11	METAL CHIP	0	5%	1/10W
C024	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R019	1-216-864-11	METAL CHIP	0	5%	1/10W
C025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						

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AVD-C70ES

RF

RM

SENSOR

SP

Ref. No.	Part No.	Description	Remark		
R020	1-216-864-11	METAL CHIP	0	5%	1/10W
R021	1-216-864-11	METAL CHIP	0	5%	1/10W
R022	1-216-813-11	METAL CHIP	220	5%	1/10W
R023	1-216-820-11	METAL CHIP	820	5%	1/10W
R024	1-216-864-11	METAL CHIP	0	5%	1/10W
R025	1-216-809-11	METAL CHIP	100	5%	1/10W
R026	1-218-718-11	METAL CHIP	12K	0.5%	1/16W
R027	1-216-864-11	METAL CHIP	0	5%	1/10W
R028	1-216-864-11	METAL CHIP	0	5%	1/10W
R029	1-216-864-11	METAL CHIP	0	5%	1/10W
R032	1-216-809-11	METAL CHIP	100	5%	1/10W
R033	1-216-864-11	METAL CHIP	0	5%	1/10W
R034	1-219-570-11	METAL CHIP	10M	5%	1/10W
R035	1-216-864-11	METAL CHIP	0	5%	1/10W
R041	1-216-821-11	METAL CHIP	1K	5%	1/10W

	1-685-216-11	RM BOARD	*****		
		< CAPACITOR >			
C891	1-126-382-11	ELECT	100uF	20%	10V
C892	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< CONNECTOR >			
CN891	1-750-186-11	CONNECTOR, BOARD TO BOARD 6P			
		< DIODE >			
D891	8-719-071-44	LED SELS5223C-TP15 (POWER)			
		< IC >			
IC891	8-759-459-86	IC NJL64H400A			
		< RESISTOR >			
R825	1-216-841-11	METAL CHIP	47K	5%	1/10W
R891	1-216-813-11	METAL CHIP	220	5%	1/10W
R892	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< SWITCH >			
S826	1-786-220-11	SWITCH, KEYBOARD (DISPLAY)	*****		
	A-4729-102-A	SENSOR BOARD, COMPLETE	*****		
		< CAPACITOR >			
C961	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
* CN961	1-568-944-11	PIN, CONNECTOR 6P			
CN962	1-580-770-11	PIN, CONNECTOR (PC BOARD) 2P			
		< PHOTO REFLECTOR >			
PH961	8-749-924-30	PHOTO REFLECTOR GP2S28			
PH962	8-749-924-18	PHOTO INTERRUPTER RPI-1391			

Ref. No.	Part No.	Description	Remark		
< TRANSISTOR >					
Q961	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
< RESISTOR >					
R961	1-216-821-11	METAL CHIP	1K	5%	1/10W
R962	1-216-834-11	METAL CHIP	12K	5%	1/10W
R963	1-216-810-11	METAL CHIP	120	5%	1/10W
R964	1-216-820-11	METAL CHIP	820	5%	1/10W
R965	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R966	1-216-864-11	METAL CHIP	0	5%	1/10W

A-4729-091-A		SP BOARD, COMPLETE			

< CAPACITOR >					
C525	1-125-853-21	FILM	470PF	5%	50V
C526	1-125-853-21	FILM	470PF	5%	50V
C527	1-136-356-11	FILM	470PF	5%	100V
C528	1-125-853-21	FILM	470PF	5%	50V
C529	1-136-356-11	FILM	470PF	5%	100V
C530	1-136-356-11	FILM	470PF	5%	100V
C531	1-125-853-21	FILM	470PF	5%	50V
C532	1-125-853-21	FILM	470PF	5%	50V
C533	1-125-853-21	FILM	470PF	5%	50V
C534	1-136-356-11	FILM	470PF	5%	100V
C535	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C536	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C537	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C538	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C539	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C540	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C606	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
< CONNECTOR >					
* CN312	1-568-941-11	PIN, CONNECTOR 3P			
< DIODE >					
D316	8-719-016-74	DIODE 1SS352			
D317	8-719-016-74	DIODE 1SS352			
D318	8-719-016-74	DIODE 1SS352			
D319	8-719-016-74	DIODE 1SS352			
D320	8-719-016-74	DIODE 1SS352			
< FERRITE BEAD >					
FB327	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB328	1-500-283-11	INDUCTOR, FERRITE BEAD			
< JACK >					
J301	1-816-917-11	JACK, PIN 1P (SUB WOOFER ANALOG OUT)			
< TRANSISTOR >					
Q317	8-729-216-22	TRANSISTOR 2SA1162-G			
Q318	8-729-216-22	TRANSISTOR 2SA1162-G			
Q319	8-729-216-22	TRANSISTOR 2SA1162-G			
Q320	8-729-216-22	TRANSISTOR 2SA1162-G			
Q321	8-729-216-22	TRANSISTOR 2SA1162-G			

SP

VIDEO

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
Q322	8-729-216-22	TRANSISTOR	2SA1162-G				C771	1-126-947-11	ELECT	47uF	20%	16V	
Q323	8-729-216-22	TRANSISTOR	2SA1162-G				C772	1-126-947-11	ELECT	47uF	20%	16V	
Q324	8-729-216-22	TRANSISTOR	2SA1162-G				C773	1-126-947-11	ELECT	47uF	20%	16V	
Q325	8-729-216-22	TRANSISTOR	2SA1162-G				C774	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
Q326	8-729-216-22	TRANSISTOR	2SA1162-G				C775	1-126-947-11	ELECT	47uF	20%	16V	
Q327	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L				C776	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
		< RESISTOR >					C777	1-124-589-11	ELECT	47uF	20%	16V	
							C778	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
R487	1-216-849-11	METAL CHIP	220K	5%	1/10W		C783	1-126-947-11	ELECT	47uF	20%	16V	
R488	1-216-849-11	METAL CHIP	220K	5%	1/10W		C784	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
R489	1-216-849-11	METAL CHIP	220K	5%	1/10W		C785	1-126-947-11	ELECT	47uF	20%	16V	
R490	1-216-849-11	METAL CHIP	220K	5%	1/10W		C786	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
R491	1-216-849-11	METAL CHIP	220K	5%	1/10W		C787	1-126-947-11	ELECT	47uF	20%	16V	
							C788	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
R492	1-216-849-11	METAL CHIP	220K	5%	1/10W		C791	1-124-589-11	ELECT	47uF	20%	16V	
R493	1-216-849-11	METAL CHIP	220K	5%	1/10W								
R494	1-216-849-11	METAL CHIP	220K	5%	1/10W		C792	1-126-947-11	ELECT	47uF	20%	16V	
R495	1-216-849-11	METAL CHIP	220K	5%	1/10W		C793	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
R496	1-216-849-11	METAL CHIP	220K	5%	1/10W		C794	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
									< CONNECTOR >				
R497	1-216-821-11	METAL CHIP	1K	5%	1/10W								
R498	1-216-857-11	METAL CHIP	1M	5%	1/10W								
R509	1-216-844-11	METAL CHIP	82K	5%	1/10W		CN701	1-779-291-11	CONNECTOR, FFC (LIF(NON-ZIF)) 23P				
R510	1-216-844-11	METAL CHIP	82K	5%	1/10W		* CN712	1-568-943-11	PIN, CONNECTOR 5P				
R511	1-216-844-11	METAL CHIP	82K	5%	1/10W				< IC >				
							IC701	8-759-536-24	IC NJM2296M-TE2				
R512	1-216-844-11	METAL CHIP	82K	5%	1/10W		IC702	8-759-536-24	IC NJM2296M-TE2				
R513	1-216-844-11	METAL CHIP	82K	5%	1/10W		IC703	8-759-671-94	IC MC74HC4053AFEL				
		< TERMINAL BOARD >					IC704	8-759-684-20	IC LA7104M-TLM				
TM301	1-694-842-11	TERMINAL BOARD (SPEAKER SURROUND)					IC771	8-759-094-53	IC TA7805S(LBSONY)				
TM302	1-694-840-11	TERMINAL BOARD (SPEAKER FRONT/CENTER)							< JACK >				

	A-4729-092-A	VIDEO BOARD, COMPLETE					J701	1-779-801-11	CONNECTOR (ROUND TYPE) (S VIDEO IN/OUT)				
		*****					J702	1-779-801-11	CONNECTOR (ROUND TYPE) (TV/SAT S VIDEO IN,AUX S VIDEO IN)				
		< CAPACITOR >					J703	1-779-800-11	TERMINAL, S (MONITOR S VIDEO OUT)				
							J704	1-816-548-11	JACK, PIN 3P (COMPONENT VIDEO OUT, Y,PB/CB,PR/CR)				
C701	1-162-923-11	CERAMIC CHIP	47PF	5%	50V				< COIL >				
C702	1-162-923-11	CERAMIC CHIP	47PF	5%	50V		L781	1-412-060-11	INDUCTOR	22uH			
C703	1-162-923-11	CERAMIC CHIP	47PF	5%	50V		L782	1-412-060-11	INDUCTOR	22uH			
C704	1-162-923-11	CERAMIC CHIP	47PF	5%	50V				< TRANSISTOR >				
C705	1-126-947-11	ELECT	47uF	20%	16V		Q711	1-801-806-11	TRANSISTOR	DTC144EKA			
C706	1-136-165-00	MYLAR	0.1uF	5%	50V		Q715	8-729-027-23	TRANSISTOR	DTA114EKA-T146			
C707	1-126-947-11	ELECT	47uF	20%	16V		Q716	8-729-027-23	TRANSISTOR	DTA114EKA-T146			
C708	1-136-165-00	MYLAR	0.1uF	5%	50V		Q717	1-801-806-11	TRANSISTOR	DTC144EKA			
C709	1-126-947-11	ELECT	47uF	20%	16V		Q718	1-801-806-11	TRANSISTOR	DTC144EKA			
C710	1-136-165-00	MYLAR	0.1uF	5%	50V		Q721	8-729-027-23	TRANSISTOR	DTA114EKA-T146			
							Q722	8-729-027-23	TRANSISTOR	DTA114EKA-T146			
C711	1-162-923-11	CERAMIC CHIP	47PF	5%	50V				< RESISTOR >				
C712	1-162-923-11	CERAMIC CHIP	47PF	5%	50V								
C714	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		R701	1-218-285-11	METAL CHIP	75	5%	1/10W	
C715	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		R702	1-218-285-11	METAL CHIP	75	5%	1/10W	
C716	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		R703	1-218-285-11	METAL CHIP	75	5%	1/10W	
							R704	1-218-285-11	METAL CHIP	75	5%	1/10W	
C723	1-126-947-11	ELECT	47uF	20%	16V		R705	1-218-285-11	METAL CHIP	75	5%	1/10W	
C726	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V								
C731	1-124-589-11	ELECT	47uF	20%	16V								
C734	1-126-947-11	ELECT	47uF	20%	16V								
C741	1-124-589-11	ELECT	47uF	20%	16V								
C744	1-126-947-11	ELECT	47uF	20%	16V								
C751	1-124-589-11	ELECT	47uF	20%	16V								
C754	1-126-947-11	ELECT	47uF	20%	16V								

VIDEO

Ref. No.	Part No.	Description			Remark
R707	1-218-285-11	METAL CHIP	75	5%	1/10W
R708	1-218-285-11	METAL CHIP	75	5%	1/10W
R709	1-218-285-11	METAL CHIP	75	5%	1/10W
R710	1-218-285-11	METAL CHIP	75	5%	1/10W
R711	1-216-809-11	METAL CHIP	100	5%	1/10W
R716	1-216-809-11	METAL CHIP	100	5%	1/10W
R720	1-216-833-11	METAL CHIP	10K	5%	1/10W
R721	1-216-833-11	METAL CHIP	10K	5%	1/10W
R723	1-216-833-11	METAL CHIP	10K	5%	1/10W
R724	1-216-833-11	METAL CHIP	10K	5%	1/10W
R725	1-216-833-11	METAL CHIP	10K	5%	1/10W
R726	1-216-833-11	METAL CHIP	10K	5%	1/10W
R727	1-216-833-11	METAL CHIP	10K	5%	1/10W
R734	1-216-841-11	METAL CHIP	47K	5%	1/10W
R735	1-216-841-11	METAL CHIP	47K	5%	1/10W
R736	1-216-864-11	METAL CHIP	0	5%	1/10W
R739	1-218-285-11	METAL CHIP	75	5%	1/10W
R744	1-216-841-11	METAL CHIP	47K	5%	1/10W
R745	1-216-841-11	METAL CHIP	47K	5%	1/10W
R746	1-216-864-11	METAL CHIP	0	5%	1/10W
R749	1-218-285-11	METAL CHIP	75	5%	1/10W
R754	1-216-841-11	METAL CHIP	47K	5%	1/10W
R755	1-216-841-11	METAL CHIP	47K	5%	1/10W
R756	1-216-864-11	METAL CHIP	0	5%	1/10W
R759	1-218-285-11	METAL CHIP	75	5%	1/10W
< SWITCH >					
S701	1-572-903-51	SWITCH, SLIDE (SCAN SELECT)			

MISCELLANEOUS					

62	1-775-127-11	WIRE (FLAT TYPE) (13 CORE)			
101	1-769-972-11	WIRE (FLAT TYPE) (13 CORE)			
102	A-4726-404-A	TUNER UNIT (FM/AM)			
104	1-824-614-11	WIRE (FLAT TYPE) (25 CORE)			
107	1-824-709-11	WIRE (FLAT TYPE) (23 CORE)			
△ 111	1-783-820-21	CORD, POWER			
112	1-500-435-11	FILTER, CLAMP (FERRITE CORE)			
113	1-500-764-11	CORE, FERRITE			
114	1-500-051-21	BEAD, FERRITE (WITH CASE)			
153	1-775-257-11	WIRE (FLAT TYPE) (29 CORE)			
155	1-500-051-21	BEAD, FERRITE (WITH CASE)			
208	1-824-685-11	WIRE (FLAT TYPE) (15 CORE)			
209	1-776-166-11	WIRE (FLAT TYPE) (19 CORE)			
211	1-469-969-11	CLAMP, FERRITE			
△ 351	1-477-263-11	PICK-UP UNIT (TDP022W)			
355	1-824-106-12	CABLE, FLEXIBLE FLAT (24 CORE)			
356	1-824-615-11	WIRE (FLAT TYPE) (29 CORE)			
△ F901	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA.5)			
(5A/125V)					
FAN1	1-763-561-31	FAN, D.C.			
M1	1-763-790-11	MOTOR, DC (TRAY OPEN/CLOSE)			
M951	1-541-632-12	MOTOR, DC (ROTARY)			
RE901	1-466-996-21	ENCODER, ROTARY			

Ref. No.	Part No.	Description	Remark
		ACCESSORIES	

	1-477-515-11	REMOTE COMMANDER (RM-CL70)	
	1-754-149-11	ANTENNA, LOOP (AM)	
	1-793-184-22	CONNECTOR (F TYPE ADAPTOR) (FM ANTENNA)	
	1-823-364-21	CORD, CONNECTION (S VIDEO)	
	4-240-880-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH)	
	4-241-478-01	COVER, BATTERY (for RM-CL70)	

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

REVISION HISTORY

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

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

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