

HCD-S300

SERVICE MANUAL

Ver 1.6 2003.02

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



HCD-S300 is the amplifier, DVD/CD and tuner section in DAV-S300.

| | |
|------------------------------------|---------------|
| Model Name Using Similar Mechanism | NEW |
| Mechanism Type | CDM-55D-DVBU2 |
| Base Unit Type | DVBU2 |
| Optical Pick-up Type | KHM220AAA |

SPECIFICATIONS

Amplifier section

| | |
|----------------------|--|
| Stereo mode | 30 W + 30 W (3 ohms at 1 kHz, THD 10 %) |
| Surround mode | Front: 30 W + 30 W Center*: 30 W Rear*: 30 W + 30 W (3 ohms at 1 kHz, THD 10 %) Subwoofer*: 30 W (3 ohms at 100 Hz, THD 10 %) |

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

| | |
|----------------|--|
| Inputs | VIDEO 1, 2: Sensitivity: 150 mV Impedance: 50 kilohms |
| Outputs | VIDEO 1 (AUDIO OUT): Voltage: 2 V Impedance: 1 kilohms WOOFER: Voltage: 2 V Impedance: 1 kilohms PHONES: Accepts low- and high-impedance headphones |

CD/DVD system

| | |
|---|---|
| Laser | Semiconductor laser |
| Signal format system | PAL/(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 | 87.50 – 108.00 MHz (50 kHz step) (Except US, CND) 87.50 – 108.00 MHz (100 kHz step) (US, CND) |
| Antenna | FM wire antenna |
| Antenna terminals | 75 ohms, unbalanced |
| Intermediate frequency | 10.7 MHz |

AM tuner section

| | |
|---------------------|--|
| System | Tuner section: PLL quartz-locked digital synthesizer system |
| Tuning range | European models: 531 – 1602 kHz (9 kHz interval) Australian models: 530 – 1710 kHz (10 kHz interval) 531 – 1602 kHz (9 kHz interval) US, CND models: 530 – 1710 kHz (10 kHz interval) 531 – 1710 kHz (9 kHz interval) |
| Antenna | Loop antenna |

Video section

| | |
|----------------|--|
| Inputs | Video: 1 Vp-p 75 ohms |
| Outputs | Video: 1 Vp-p 75 ohms S-video: Y: 1 Vp-p 75 ohms C: PAL 0.3 Vp-p 75 ohms NTSC 0.286 Vp-p 75 ohms |

General

| | |
|------------------------------|---|
| Power requirements | European models: 230 V AC, 50/60 Hz Australian models: 220 – 240 V AC, 50/60 Hz US, CND models: 120 V AC, 60 Hz |
| Power consumption | 68 W |
| Dimensions (approx.) | 355 × 70 × 365 mm (15 × 2 ⁷ / ₈ × 14 ³ / ₈ inches) (w/h/d) incl. projecting parts |
| Mass (approx.) | 3.8 kg (8 lb 6 oz) |
| Operating temperature | 5°C to 35°C (41°F to 95°F) |
| Operating humidity | 5 % to 90 % |
| Supplied accessories | Check that you have the following items: <ul style="list-style-type: none">• AM loop antenna (1)• FM wire antenna (1)• Speakers (5)• Speaker cords (5 m x 4, 15 m x 2)• Video cord (1)• Remote commander (remote) RM-SS300 (1)• R6 (size AA) batteries (2)• Foot pads (24)• Speakers - Connection and Installation (card) (1)• 21-pin adaptor (1) (only for the European models) |

Design and specifications are subject to change without notice.

COMPACT AV SYSTEM

9-929-072-18
2003B0200-1
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Sony Corporation
Home Audio Company
Published by Sony Engineering Corporation

SONY®

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

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

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

CLASS 1 LASER PRODUCT
一类激光产品

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.
ADVARSEL : USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.
VORSICHT : UNSICHTBARE LASERSTRAHLUNG. WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT, NICHT DEM STRAHL AUSSETZEN.
VARO! : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALT-TIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLÄ. ÄLÄ KATSO SÄTEESEEN.
WARNING : OSYNLIG LASERSTRÅLING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRÄKTA EJ STRÅLEN.
ADVERSEL : USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VIGYAZAT! : A BURKOLAT NYITÁSAKOR LÁTHATATLAN LÉZERSUGÁRVESZÉLY! KERÜLJE A BESUGÁRZÁST!

This caution label is located inside the unit.

CAUTION

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

Notes on chip component replacement

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

Flexible Circuit Board Repairing

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

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks 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

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)

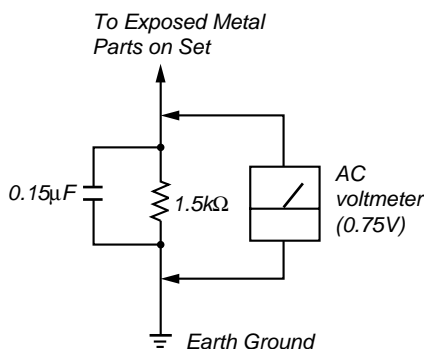


Fig. A. Using an AC voltmeter to check AC leakage.

与安全有关的零部件须知

在原理图上用阴影及 △ 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

SAFETY-RELATED COMPONENT WARNING !!

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE △ 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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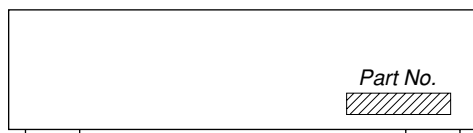
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MODEL IDENTIFICATION

–Back panel–



| Model | Part No. |
|--------------------------------|--------------|
| US model | 4-226-383-0□ |
| AEP, UK, CEN, CEU models | 4-226-383-1□ |
| Hong Kong model | 4-226-383-2□ |
| Australian model | 4-226-383-3□ |
| E32 model | 4-226-383-4□ |
| Mexican model | 4-226-383-6□ |
| Russian model | 4-226-383-7□ |
| Chinese model | 4-226-383-8□ |
| Singapore model | 4-226-383-9□ |
| E12 model | 4-230-797-0□ |
| Saudi Arabia model | 4-230-797-1□ |
| Canadian model | 4-230-797-3□ |
| Taiwan model | 4-230-797-4□ |
| AEP, UK models (made in China) | 4-232-194-0□ |
| US model (made in China) | 4-232-194-1□ |
| Korean model (made in China) | 4-232-194-2□ |

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

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

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

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

NOTES ON LASER DIODE EMISSION CHECK

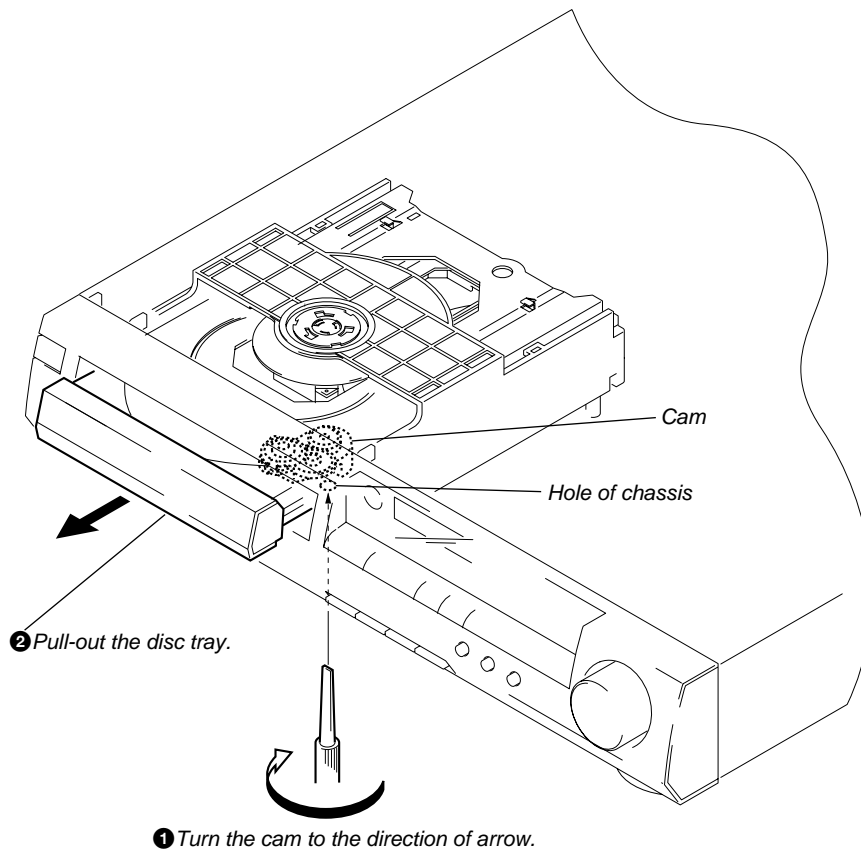
The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

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

SECTION 1 SERVICING NOTE

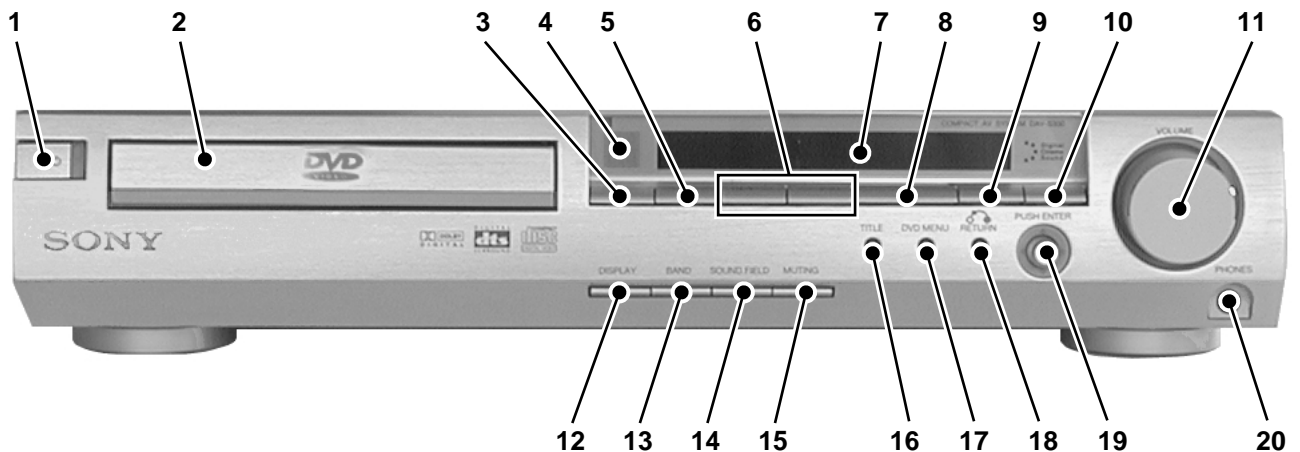
HOW TO OPEN THE DISC TRAY WHEN POWER SWITCH TURNS OFF



When removing the disc tray, high torque is necessary to turn the ejection cam on the bottom surface. Therefore, the screw thread is easily damaged. To prevent this damage, turn it carefully.

SECTION 2 GENERAL

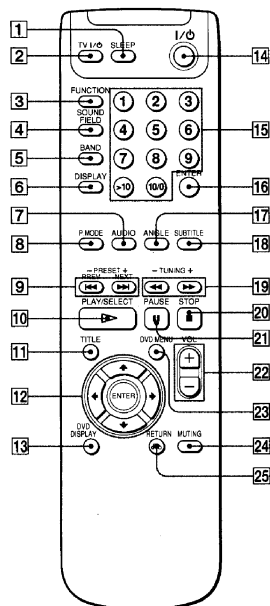
Front Panel



LOCATION OF PARTS AND CONTROLS

- | | | |
|-------------------------------------|-----------------------|------------------------------|
| 1 I/⏻ (POWER) button and indicator | 8 ▷ PLAY button | 16 TITLE button |
| 2 DISC tray | 9 PAUSE button | 17 DVD MENU button |
| 3 □ remote sensor | 10 ■ STOP button | 18 ↶ RETURN button |
| 4 ≡ OPEN/CLOSE button | 11 VOLUME control | 19 ←/↓/↑/→ PUSH ENTER button |
| 5 FUNCTION button | 12 DISPLAY button | 20 PHONES connector |
| 6 ◀◀/▶▶ PREV/NEXT/PRESET +/- button | 13 BAND button | |
| 7 Front Panel Display | 14 SOUND FIELD button | |
| | 15 MUTING button | |

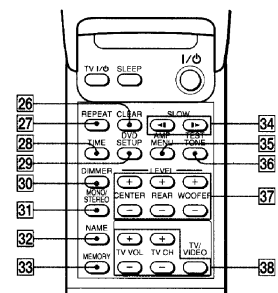
Remote



- 1 **SLEEP button**
Activates the sleep timer.
- 2 **TV I/⏻ (POWER) switch**
Turns the TV on and off.
- 3 **FUNCTION button**
Selects the component you want to use.
- 4 **SOUND FIELD button**
Selects the sound field.
- 5 **BAND button**
Selects AM or FM band.
- 6 **DISPLAY button**
Switches the item displayed on the front panel display.
In the VIDEO 1/2 functions, it switches:
VIDEO 1 (or 2) → Sound field → VIDEO 1 (or 2)
- 7 **AUDIO button**
Changes the sound while playing a DVD or VIDEO CD.

- 8 **P. MODE button**
Selects program or shuffle play mode.
- 9 **◀◀/▶▶PREV/NEXT/PRESET +/- buttons**
◀◀/▶▶PREV/NEXT : Press to go to the next chapter or track or to go back to the previous chapter or track.
PRESET +/- : Scan all preset stations.
- 10 **▷PLAY/SELECT button**
Plays a disc.
- 11 **TITLE button**
Displays the title menu on the TV screen.
- 12 **←/↑/↓/→/ENTER button**
Selects and executes the items or settings.
- 13 **DVD DISPLAY button**
Displays the Control Menu display on the TV screen to set or adjust the items.
- 14 **I/⏻ (POWER) switch**
Turns on and off the power of the system.
- 15 **Number buttons**
Select the items or settings.
- 16 **ENTER button**
Executes the items or settings.
- 17 **ANGLE button**
Changes the angles when playing a DVD.
- 18 **SUBTITLE button**
Displays the "SUBTITLE" menu in the Control Menu display.
- 19 **◀◀/▶▶ (SCAN)/TUNING +/- buttons**
◀◀/▶▶ (SCAN) : Locate a point while monitoring the picture (19).
TUNING +/- : Scan all available radio stations.
- 20 **■STOP button**
Stops playing a disc.
- 21 **||PAUSE button**
Pauses playing a disc.
- 22 **VOL (volume) +/- buttons**
Adjust the volume.
- 23 **DVD MENU button**
Displays the DVD menu on the TV screen.
- 24 **MUTING button**
Mutes the sound.
- 25 **↶RETURN button**
Press to return to the previously selected screen, etc.

This section is extracted from instruction manual.



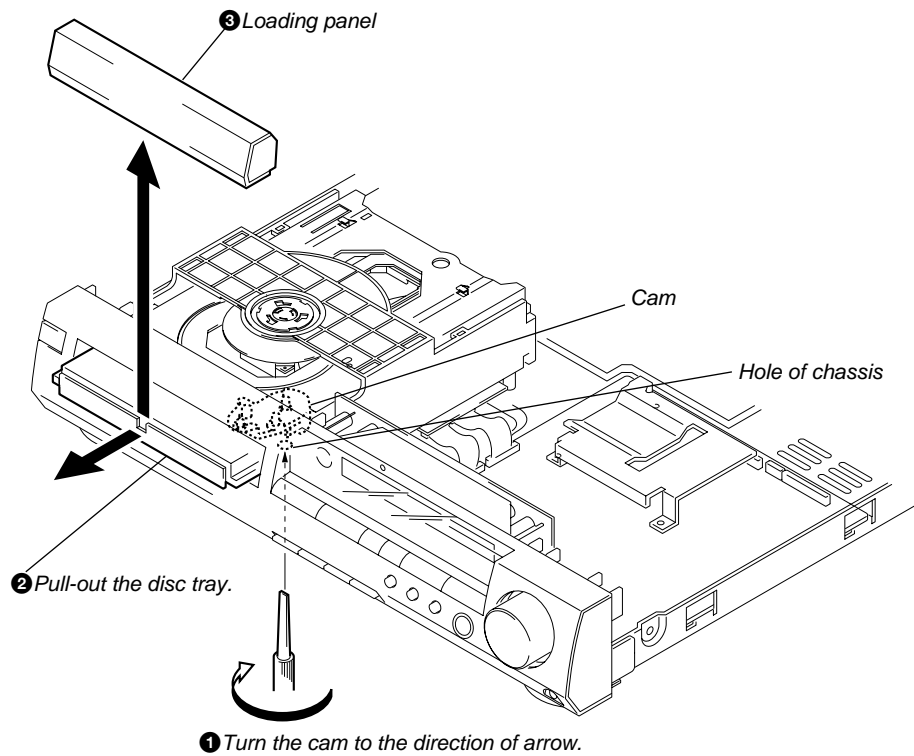
Inside the cover

- 26 **CLEAR button**
Press to return to the Continuous play, etc.
- 27 **REPEAT button**
Displays the "REPEAT" display on the TV screen.
- 28 **TIME button**
Displays the playing time of the disc, etc., on the front panel display.
- 29 **DVD SETUP button**
Displays the setup display on the TV screen to set or adjust the items.
- 30 **DIMMER button**
Turns the front panel display on or off.
- 31 **MONO/STEREO button**
Switches monaural or stereo of FM stereo reception.
- 32 **NAME button**
Activates the name function.
- 33 **MEMORY button**
Press to store a preset station.
- 34 **-1/1> SLOW buttons**
Play a disc in slow motion.
- 35 **AMP MENU button**
Displays the speaker set up parameters on the front panel display.
- 36 **TEST TONE button**
Turns test tone on and off.
- 37 **SPEAKER LEVEL +/- buttons**
Press to adjust the speaker level.
- 38 **TV operation buttons**
Control TVs.

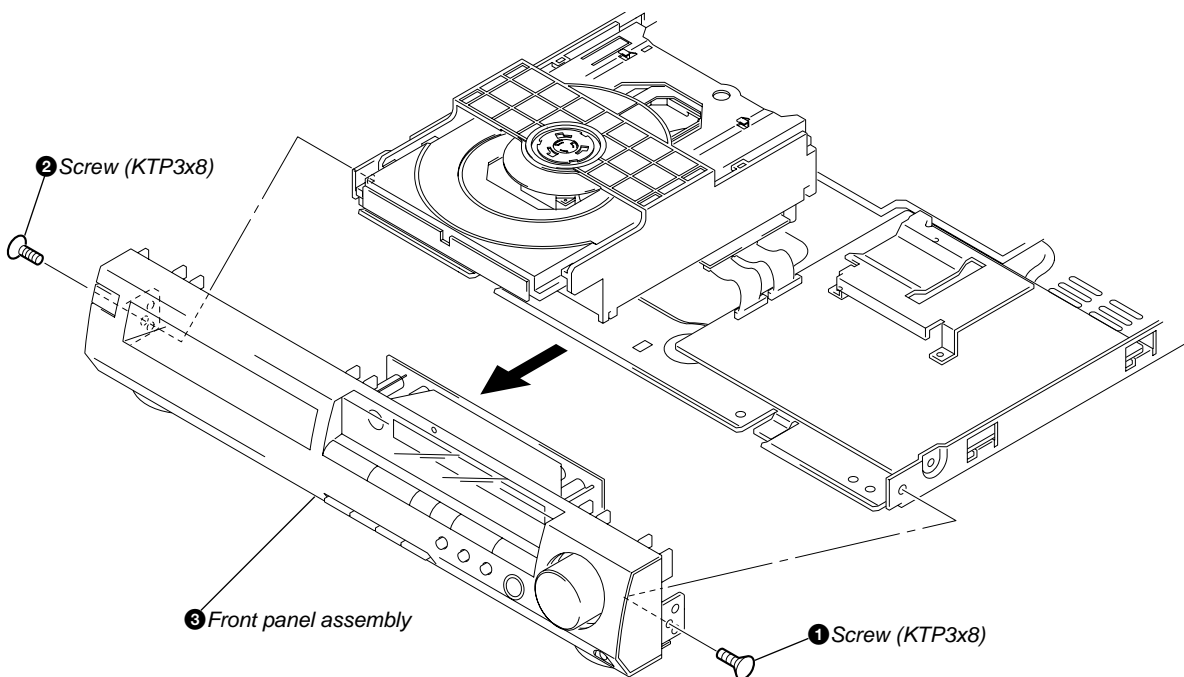
SECTION 3 DISASSEMBLY

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

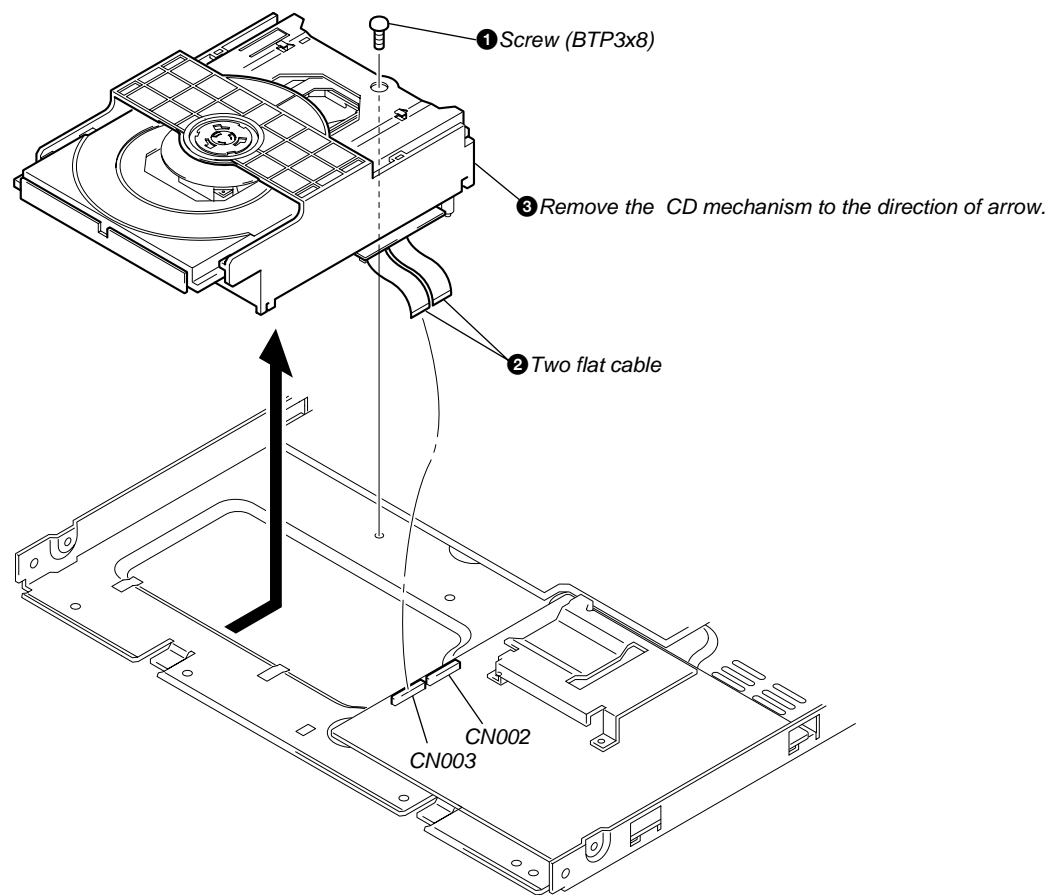
3-1. LOADING PANEL



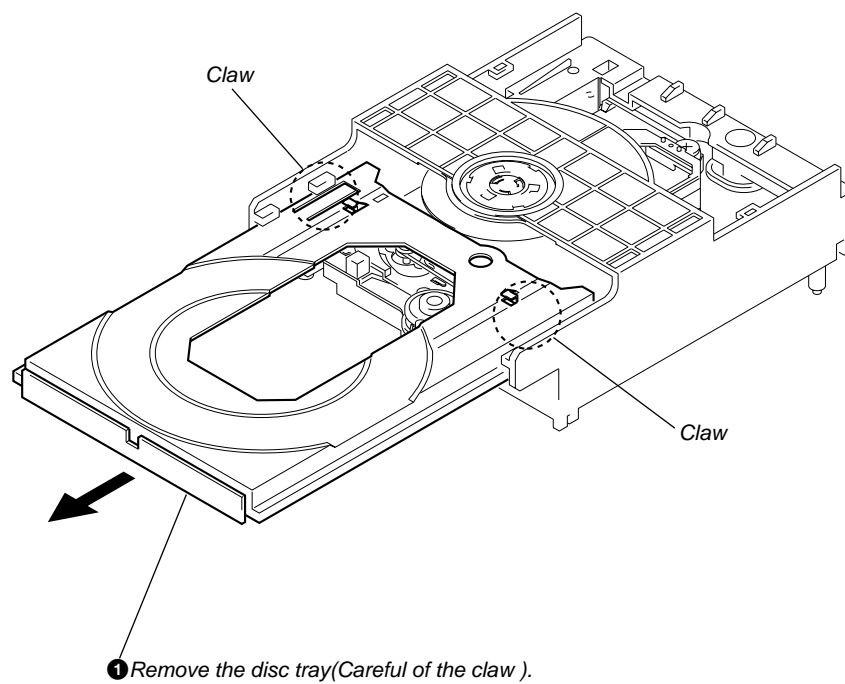
3-2. FRONT PANEL



3-3. CD MECHANISM



3-4. DISC TRAY



SECTION 4 TEST MODE

4-1. 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).

4-2. STARTING TEST MODE

Set the FUNCTION to DVD with the main unit power on. Next, while pushing the **[STOP]** button and the **[MUTING]** button on the main unit at the same time, turn the regulator to the right to start Test Mode and display the menu shown below on the TV screen. At the bottom of the menu screen, the model name and revision number are displayed.

To execute each function, select the desired menu and press its number on the remote commander. To exit from Test Mode, press the **[POWER]** button.

```
Test Mode Menu

0. Syscon Diagnosis
1. Drive Auto Adjustment
2. Drive Manual Operation
3. Mecha Aging
4. Emergency History
5. Version Information
6. Video Level Adjustment
Exit: Power Key
—
Model    : HCX932xxxx
Revision: 1.xxx
```

4-3. SYSCON DIAGNOSIS

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

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

```
### Syscon Diagnosis ###
      Check Menu

0. Quit
1. All
2. Version
3. Peripheral
4. Servo
5. Supply
6. AV Decoder
7. Video
8. Audio
—
```

0. Quit

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

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.

```
### Syscon Diagnosis ###

Diag All Check
No. 2 Version

2-3. ROM Check Sum
Check Sum = 2005

Press NEXT Key to Continue
Press PREV Key to Repeat
—
```

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 **[NEXT]** key to go to the next item, or **[PREV]** key to repeat the same check again. To quit the diagnosis and return to the Check Menu screen, press **[STOP]** or **[ENTER]** key. If an error occurred, the diagnosis is suspended and the error code is displayed as shown below.

```
### Syscon Diagnosis ###

3-3. EEPROM Check
Error 03: EEPROM Write/Reed N
Address   : 00000001
Write Data: 2492
Read Data : 2490
Press NEXT Key to Continue
Press PREV Key to Repeat
—
```

Press **[STOP]** key to quit the diagnosis, or **[PREV]** key to repeat the same item where an error occurred, or **[NEXT]** key to continue the check from the item next to faulty item.

Selecting 2 and subsequent items calls the submenu screen of each item.

For example, if “5. Supply” is selected, the following submenu will be displayed.

```
### Syscon Diagnosis ###
      Check Menu
      No. 5 Supply

0. Quit
1. All
2. ARP Register Check
3. ARP to RAM Data Bus
4. ARP to RAM Address Bus
5. ARP RAM Check
—
```

0. Quit

Quit the submenu and return to the main menu.

1. All

All submenu items continuous check

This menu checks 2 and subsequent items successively. At the item where visual check is required for judgment or an error occurred, the checking is suspended and the message is output for key entry. Normally, all items are checked successively one after another automatically unless an error is found.

Selecting 2 and subsequent items executes respective menus and outputs the results.

For the contents of each submenu, see “Check Items List”.

General Description of Checking Method

2. Version

(2-2) Revision

ROM revision number is displayed.-

Error: Not detected.

The revision number defined in the source file of ROM (At the beginning of mass production, the Flash ROM of IC205 is used, but midway it is replaced by the IC206 OTP ROM. IC205 or IC206) is displayed with four digits.

Below IC205 are all IC205 or IC206.

(2-3) ROM Check Sum

Check sum is calculated.

Error: Not detected.

The 8-bit data are added at addresses 0x000F0000 ~ 0x002EFFFF of ROM (IC205) and the result is displayed with 4-digit hexadecimal number. Error is not detected.

Compare the result with the specified value.

(2-4) Model Type

Model code is displayed.

Error: Not detected.

The model code read from EEPROM (IC201) is displayed with 2-digit hexadecimal number.

| | Model Type |
|--------------------------------|------------|
| DAV-S300 (US, CND) | 20 |
| DAV-S300 (E) | 22 |
| DAV-S300 (AEP) | 23 |
| DAV-S300 (Australian) | 25 |
| DAV-S300 (Singapore/Hong Kong) | 26 |
| DAV-S300 (Chinese) | 27 |

(2-5) Region

Region code is displayed.

Error: Not detected.

The region code determined from the model code is displayed.

3. Peripheral

(3-2) Gate Array Check

Data write → read, and accord check

Error 02: Gate array write/read discord

Data 0x00~0xFF are written to the address 0xF of GA (IC601), then read and checked if they accord.

(3-3) EEPROM Check

Data write → read, and accord check

Error 03: EEPROM write/read discord

Data 0x9249, 0x2942, 0x4294 are written to addresses 0x00~0xFF of EEPROM (IC201), then read and checked. Before writing, the data are saved, then after checking, they are written to restore the contents of EEPROM.

4. Servo

(4-2) Servo DSP Check

Data write → read, and accord check

Error 12: Read data discord

Data 0x9249, 0x2942, 0x4294 are written to the address 0x602 of RAM in the Servo DSP (IC701), then read and checked.

(4-3) DSP Driver Test

Test signal data → DSP Driver

Error: Not detected.

Caution: Do not conduct this test with a mechanical deck connected.

The maximum voltage is applied to the Servo Driver IC (IC801, IC802). If mechanical deck is connected, the motor and optics could be damaged. Disconnect mechanical deck following the output message, then enter specified 4- or 5-digit number from the remote commander, and press the **[ENTER]**. The test is conducted only when the input data accord. Check the output level, then press the **[NEXT]** to finish the test.

This test is skipped if “All” is selected.

Supplement: How to disconnect mechanical deck

Disconnect flat cables connected to the CN002 and CN003 of MB-82/85 board. Also, disconnect harness from the CN011.

5. Supply

Caution: Do not conduct this check with a mechanical deck connected.

An access is made to the stream supply and servo control IC (IC303) and external RAM (IC304) using check data. If mechanical deck is connected, the motor and optics could be damaged. This check is also executed by the “All” menu item.

Supplement: How to disconnect mechanical deck

Disconnect flat cables connected to the CN002 and CN003 of DVD board. Also, disconnect harness from the CN011.

(5-2) ARP Register Check

Data write → read, and accord check

Error 08: ARP register write, and read data discord

Data 0x00 to 0xFF are written to the TMAX register (address 0xC6) in ARP (IC303), then they are read and checked.

(5-3) ARP to RAM Data Bus

Data write → read, and accord check

Error 09: ARP ↔ RAM data bus error

Data 0x0001 to 0x8000 where one bit each is set to 1 are written to the address 0 of RAM (IC304) connected to the ARP (IC303) through the bus, then they are read and checked. In case of discord, written bit pattern and read data are displayed. If data where multiple bits are 1 are read, the bits concerned may touch each other. Further, if data where certain bit is always 1 or 0 regardless of written data, the line could be disconnected or shorted.

(5-4) ARP to RAM Address Bus

Data write → other address read discord check

Error 10: ARP → RAM address bus error

Caution: Address and data display in case of an error is different from the display of other diagnosis (described later).

Before starting the test, all addresses of RAM (IC304) are cleared to 0x0000.

First, 0xA55A is written to the address 0x00000, and the address data are read and checked from addresses 0x00001 to 0x80000 while shifting 1 bit each. Next, the data at that address is cleared, and it is written to the address 0x00001, and read and checked in the same manner. This check is repeated up to the address 0x80000 while shifting the address data by 1 bit each.

If data other than 0 is read at the addresses except written address, an error is given because all addresses were already cleared to 0. In this check, the error display pattern is different from that of other diagnosis; read data, written address, and read address are displayed in this order. However, the message uses same template, and accordingly exchange Address and Data when reading. The following display, for example,

```
### Syscon Diagnosis ###
```

```
5-4. ARP to RAM Address Bus
Error 10: ARP - RAM Address B
Address   : 0000A55A
Write Data: 00000000
Read Data : 00080000
Press NEXT Key to Continue
Press PREV Key to Repeat
-
```

shows the data 0xA55A was read from address 0x00080000 though it was written to the address 0x00000000. This implies that these addresses are in the form of shadow. Also, if the read data is not 0xA55A, another error will be present.

(5-5) ARP RAM Check

Data write → read, and accord check

Error 11: ARP RAM read data discord

The program code data stored in ROM are copied to all areas of RAM (IC304) connected to the ARP (IC303) through the bus, then they are read and checked if they accord. If the detail check was selected initially, the data are written to all areas and read, then the same test is conducted once again with the data where all bits are inverted between 1 and 0. If discord is detected, faulty address, written data, and read data are displayed following the error code 11, and the test is suspended.

6. AV Decoder

(6-2) 1930 RAM

Data write → read, and accord check

Error 13: AVD RAM read data discord

The program code data stored in ROM (IC205) are copied to all areas of RAM (IC402, IC403) connected to the AVD (IC401) through the bus, then they are read and checked if they accord. Further, the same test is conducted once again with the data where all bits are inverted between 1 and 0. If discord is detected, faulty address, written data, and read data are displayed following the error code 13, and the test is suspended.

(6-3) 1930 SP

ROM → AVD RAM → Video OUT

Error: Not detected.

The data including sub picture streams in ROM (IC205) are transferred to the RAM (IC402, IC403) in AVD (IC401), and output as video signals from the AVD (IC401).

They are output from all video terminals (Composite, Y/C).

7. Video

(7-2) Color Bar

AVD color bar command write → Video OUT

Error: Not detected.

The command is transferred to the AVD, and the color bar signals are output from video terminals.

They are output from all video terminals (Composite, Y/C).

8. Audio

(8-2) ARP → 1930

Error 14: ARP → 1930 video NG

15: ARP → 1930 audio NG

Check Items List

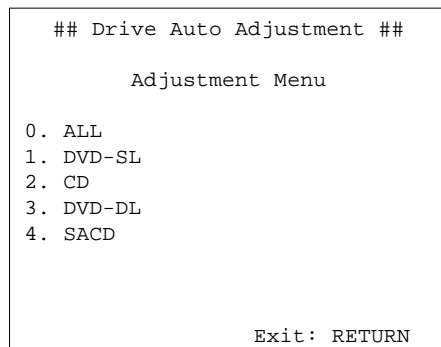
- 2) Version
 - (2-2) Revision
 - (2-3) ROM Check Sum
 - (2-4) Model Type
 - (2-5) Region
- 3) Peripheral
 - (3-2) Gate Array Check
 - (3-3) EEPROM Check
- 4) Servo
 - (4-2) Servo DSP Check
 - (4-3) DSP Driver Test
- 5) Supply
 - (5-2) ARP Register Check
 - (5-3) ARP to RAM Data Bus
 - (5-4) ARP to RAM Address Bus
 - (5-5) ARP RAM Check
- 6) AV Decoder
 - (6-2) 1930 RAM
 - (6-3) 1930 SP
- 7) Video
 - (7-2) Color Bar
- 8) Audio
 - (8-2) ARP → 1930
 - (8-3) Test Tone

Error Codes List

- 00: Error not detected
- 01: RAM write/read data discord
- 02: Gate array NG
- 03: EEPROM NG
- 08: ARP register read data discord
- 09: ARP ↔ RAM data bus error
- 10: ARP ↔ RAM address bus error
- 11: ARP RAM read data discord
- 12: Servo DSP NG
- 13: 1930 SDRAM NG
- 14: ARP → 1930 video NG
- 15: ARP → 1930 audio NG
- 16: 1910 UCODE download NG
- 17: System call error (function not supported)
- 18: System call error (parameter error)
- 19: System call error (illegal ID number)
- 20: System call error (time out)
- 90: Error occurred
- 91: User verification NG
- 92: Diagnosis cancelled

4-4. DRIVE AUTO ADJUSTMENT

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



Normally, **[0]** is selected to adjust DVD (single layer), CD, DVD (dual layer), and SACD 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. However, for SACD disc, use the player with initial data if the disc is not available.

0. ALL

Select **[0]** and press **[ENTER]** key, and the servo set data in EEPROM will be initialized. Then, 1. DVD-SL disc, 2. CD disc, 3. DVD-DL disc, and 4. SACD disc are adjusted in this order. Each time one disc was adjusted, it is ejected. Replace it with the specified disc following the message. Though the message to confirm whether discs other than SACD disc are adjusted is not displayed, you can finish the adjustment if pressing the **[STOP]** button. 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. DVD-SL (single layer)

Select **[1]**, insert DVD single layer disc, and press **[ENTER]** key, and the adjustment will be made through the following steps, 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. Spdl 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 Lock
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 LFO Adjust
23. Auto Track Gain Adjust, Search Check
24. 32Tj Fwd
25. 32Tj Rev
26. 500Tj Fwd
27. 500Tj Rev
28. All Servo Stop
29. Eep Copy Loop Filter Offset

2. CD

Select [2], insert CD disc, and press [ENTER] key, and the adjustment will be made through the following steps, 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. Spdl 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 LFO Adjust
19. Auto Focus Offset Adjust
- 20.
21. Auto Focus Gain Adjust
22. Auto Focus Offset Adjust
23. Eq Boost Adjust
24. Auto LFO Adjust
25. Auto Track Gain Adjust, Search Check
26. 32Tj Fwd
27. 32Tj Rev
28. 500Tj Fwd
29. 500Tj Rev
30. All Servo Stop

3. DVD-DL (dual layer)

Select [3], insert DVD dual layer disc, and press [ENTER] key, and the adjustment will be made through the following steps, 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. Spdl 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 Auto Focus Adjust
- 17.
18. Auto Focus Gain Adjust
19. Auto Focus Offset Adjust
20. Eq Boost Adjust
21. Auto Loop Filter Offset
22. Auto Track Gain Adjust, Search Check
23. 32Tj Fwd
24. 32Tj Rev
25. 500Tj Fwd
26. 500Tj Rev, Layer 0 Adjust
27. Fj (L1 -> L0)
28. Auto Track Offset Adjust L0
29. Clva ON
30. Wait 500 msec
31. Tracking ON
32. Wait 500 msec
33. Sled ON
34. Check CLV Lock
35. Auto Focus Filter Offset
36. Auto Focus Adjust
- 37.
38. Auto Focus Gain Adjust
39. Auto Focus Offset Adjust
40. Eq Boost Adjust
41. Auto Loop Filter Offset
42. Auto Track Gain Adjust, Search Check
43. 32Tj Fwd
44. 32Tj Rev
45. 500Tj fwd
46. 500Tj Rev, Layer Jump Check
47. Lj (L0 -> L1)
48. Lj (L1 -> L0)
49. All Servo Stop

4. SACD

Select [4], insert SACD disc, and press [ENTER] key, and the adjustment will be made through the following steps, then adjusted values will be written to the EEPROM. However, if SACD disc is not available, use the player with initial data, skipping the SACD adjustment. In this case, you can finish the adjustment if pressing the [STOP] button.

SACD Adjustment Steps

1. Sled Tilt Reset
2. Set Disc Type CD
3. LD ON
4. Spdl Start
5. Wait 500 msec
6. Focus Servo ON 0
7. Auto track Offset Adjust
- 8.
9. CLVA ON
10. Wait 500 msec
11. Tracking ON
12. Wait 1 sec
13. Sled ON
14. Check CLV ON
15. Auto Focus Offset Adjust
- 17.
18. Auto Focus Gain Adjust
19. Auto Focus Offset Adjust
20. Eq Boost Adjust
21. Auto LFO Adjust
22. Auto Track Gain Adjust

23. 32Tj Fwd
24. 32Tj Rev
25. 500Tj Fwd
26. 500Tj Rev

27. All Servo Stop */

4-5. DRIVE MANUAL OPERATION

On the Test Mode Menu screen, select [2], and the manual 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. Manual Adjustment
5. Auto Adjustment
6. Memory Check

0. Disc Check Memory

Exit: Return
```

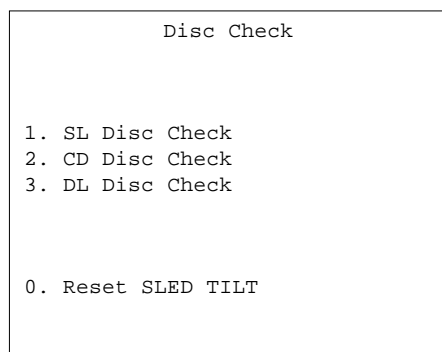
In using the manual operation menu, take care of the following points. These commands do not provide protection, thus requiring correct operation. The sector address or time code field is displayed when a disc is loaded.

1. Set correctly the disc type to be used on the Disc Type screen.
The disc type must be set after a disc was loaded.
The set disc type is cleared when the tray is opened.
 2. After power ON, if the Drive Manual Operation was selected, first perform “Reset SLED TILT” by opening 1. Disc Type screen.
 3. In case of an alarm, immediately press the [STOP] button to stop the servo operation, and turn the power OFF.

Basic operation (controllable from front panel or remote commander)

| | |
|-----------------|--|
| [POWER] | Power OFF |
| [STOP] | Servo stop |
| [OPEN/CLOSE] | Stop+Eject/Loading |
| [RETURN] | Return to Operation Menu or Test Mode Menu |
| [NEXT], [PREV] | Transition between sub modes of menu |
| [1] to [9], [0] | Selection of menu items |
| Cursor UP/DOWN | Increase/Decrease in manually adjusted value |

0. Disc Check Memory



On this screen, the mirror time is measured to judge the disc and it is written to the EEPROM. First load DVD SL disc and press [1], next load CD disc and press [2], and finally load DVD DL disc and press [3].

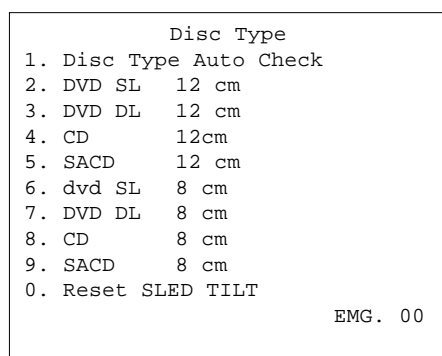
The adjustment must be executed more than once after default data were written. External vibration or shock to the player must not be given. Reference value for DVD is from 10 to 20, and for CD, from 28 to 4F.

Check that the value of CD is larger than that of DVD.

When those values are beyond a range perform this adjustment again.

From this screen, you can go to another mode by pressing [NEXT] or [PREV] key, but you cannot enter this mode from another mode. You can enter this mode from the Operation Menu screen only.

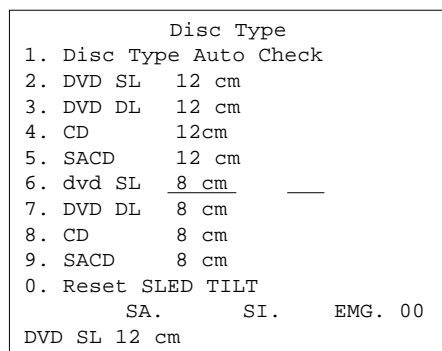
1. Disc Type



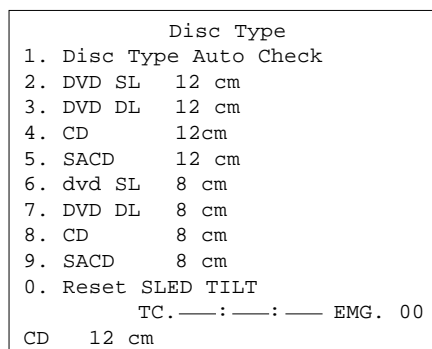
On this screen, select the disc type. To select the disc type, press the number of the loaded disc. The selected disc type is displayed at the bottom. Selecting [1] automatically selects and displays the disc type. In case of wrong display, retry "Disc Check Memory". Also, opening the tray causes the set disc type to be cleared. In this case, set the disc type again after loading.

In performing manual operation, the disc type must be set.

Once the disc type has been selected, the sector address or time code display field will appear as shown below. These values are displayed when PLL is locked.



Display when DVD SL 12cm disc was selected



Display when CD 12cm disc was selected

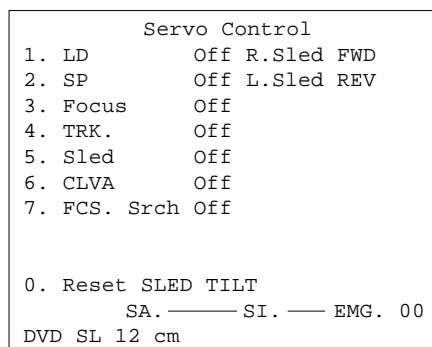
[0] Reset SLED TILT Reset the Sled and Tilt to initial position.

[1] Disk Type Check Judge automatically the loaded disc. As the judged result is displayed at the bottom of screen, make sure that it is correct.

If Disc Check Memory menu has not been executed after EEPROM default setting, the disc type cannot be judged. In this case, return to the initial menu and make a check for three types of discs (SL, DL, CD).

[2] to [9] Select the loaded disc. The adjusted value is written to the address of selected disc. No further entry is necessary if [1] was selected.

2. Servo Control



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.

| | |
|----------------------------|--|
| [0] Reset SLED TILT | Reset the Sled and Tilt to initial position. |
| [1] LD | Turn ON/OFF the laser. |
| [2] SP | Turn ON/OFF the spindle. |
| [3] Focus | Search the focus and turn on the focus. |
| [4] TRK | Turn ON/OFF the tracking servo. |
| [5] Sled | Turn ON/OFF the sled servo. |
| [6] CLVA | Turn ON/OFF normal servo of spindle servo. |
| [7] FCS. Srch | Apply same voltage as that of focus search to the focus drive to check the focus drive system. |
| [→] Sled FWD | Move the sled outward. Perform this operation with the tracking servo turned off. |
| [←] Sled REV | Move the sled inward. Perform this operation with the tracking servo turned off. |
| [↑] Tilt UP | Move the tilt upward. |
| [↓] Tilt DOWN | Move the tilt downward. |

The following menus are normally not used.

3. Track/Layer Jump

4. Manual Adjustment

5. Auto Adjustment

The persons who do not know well about these menus should not use them.

6. Memory Check

| EEPROM DATA | | | | |
|----------------------|-------|---------|----|----|
| | CD | - DVD - | | |
| ID No. 00 | SACD | SL | L0 | L1 |
| Focus Gain | xx xx | xx | xx | xx |
| TRK. Gain | xx xx | xx | xx | xx |
| Focus Offset | xx xx | xx | xx | xx |
| TRK. Offset | xx xx | xx | xx | xx |
| L. F. Offset | xx xx | xx | xx | xx |
| EQ Boost | xx xx | xx | xx | xx |
| Jitter | xx xx | xx | xx | xx |
| Mirror Time | xx xx | xx | xx | xx |
| - CLEAR: Default Set | | | | |

This screen displays current servo adjusted data stored in the EEPROM. Though adjusted data can be initialized with the **[CLEAR]** key, they cannot be restored after initialization.

So, before clearing, make a note of the adjusted data.

For reference, the drive has been designed so that the gain center value is 20 and offset value is 80. Other values will be in a range of 10 to 80. If extreme value such as 00 or FF is set, adjustment will be faulty. In such a case, check for disc scratch or cable disconnection, then perform adjustment again.

4-6. MECHA AGING

| ### Mecha Aging ### | |
|---------------------|--|
| 1. TRAY Aging | |
| 2. SEARCH Aging | |
| Abort: STOP key | |

On the Test Mode Menu Screen, selecting **[3]** executes the aging of the mechanism. TRAY aging or SEARCH aging are selected by **[1]** or **[2]**. Start aging with **PLAY**. During aging, the repeat cycle is displayed. Aging can be aborted at any time by pressing the **[STOP]** key. After the operation is stopped, press the **[STOP]** key or **[RE-TURN]** key again to return to the Test Mode Menu. SEARCH Aging is only for a CD.

4-7. EMERGENCY HISTORY

| ### MEG. History ### | |
|-------------------------------|---------------|
| Laser Hours | CD xxxxxxxxh |
| | DVD xxxxxxxxh |
| 1. 00 00 00 00 00 00 00 00 | |
| 00 00 00 00 00 00 00 00 | |
| 2. 00 00 00 00 00 00 00 00 | |
| 00 00 00 00 00 00 00 00 | |
| Select: 1 - 9 Scroll: UP/DOWN | |
| (1: Last EMG.) Exit: Return | |

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 **[↑]** key or **[↓]** key. Also, specific information can be displayed by directly entering that number with ten keys.

The upper two lines display the laser ON total hours. Data below minutes are omitted.

Clearing History Information

Clearing laser hours

- ◎ Press **[DISPLAY]** and **[CLEAR]** keys in this order. Both CD and DVD data are cleared.

Clearing emergency history

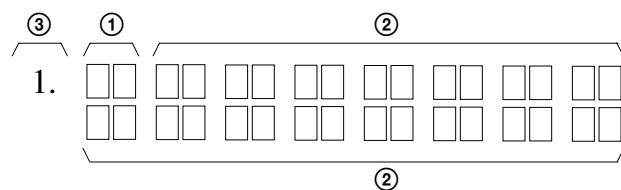
- ◎ Press **[TITLE]** and **[CLEAR]** keys in this order.

Initializing set up data

- ◎ Press **[DVD]** 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.

How to see Emergency History



① : Emergency Code

② : Don't Care

These codes are used for verification of software designing.

③ : Historical order 1 to 9

Emergency Codes List

- 10: Communication to IC001 (TK board) failed.
- 11: Each servo for focus, tracking, and spindle is unlocked.
- 12: Communication to EEPROM, IC201 (DVD board) failed.
- 13: Writing of hours meter data to EEPROM, IC201 (DVD board) failed.
- 14: Communication to Servo DSP IC701 (DVD board) failed, or Servo DSP is faulty.
- 20: Initialization of tilt servo and sled servo failed. They are not placed in the initial position.
- 21: Tilt servo operation error
- 22: Syscon made a request to move the tilt servo to wrong position.
- 23: Sled servo operation error
- 24: Syscon made a request to move the sled servo to wrong position.
- 30: Tracking balance adjustment error
- 31: Tracking gain adjustment error
- 32: Focus balance adjustment error
- 33: Focus bias adjustment error
- 34: Focus gain adjustment error
- 35: Tilt servo adjustment error
- 36: RF equalizer adjustment error
- 37: RF group delay adjustment error
- 38: Jitter value after adaptive servo operation is too large.
- 40: Focus servo does not operate.
- 41: With a dual layer (DL) disc, focus jump failed.
- 50: CLV (spindle) servo does not operate.
- 51: Spindle does not stop.
- 60: With a DVD disc, Syscon made a request to seek nonexistent address.
- 61: With a CD disc, Syscon made a request to seek nonexistent address.
- 62: With a CD disc, Syscon made a request to seek nonexistent track No. and index No.
- 63: With a DVD disc, seeking of target address failed.
- 64: With a CD disc, seeking of target address failed.
- 65: With a CD disc, seeking of target index failed.
- 70: With a DVD disc, physical information data could not be read.
- 71: With a CD disc, TOC data could not be read.
- 80: Disc type judgment failed.
- 81: As disc type judgment failed, retry was repeated.
- 82: As disc type judgment failed, a measurement error occurred.
- 83: Disc type could not be judged within the specified time.
- 84: Illegal command code was received from Syscon.
- 85: Illegal command was received from Syscon.

4-8. VERSION INFORMATION

| ## Version Information ## | | | |
|---------------------------|---------|------------|--|
| IF con. | Ver. x. | xxx (xxxx) | |
| | Group | 00 | |
| SYScon. | Ver. x. | xxx (xxxx) | |
| | Model | xx | |
| | Region | 0x | |
| | SW1 | ?? | |
| | SW2 | ?? | |
| Exit: RETURN | | | |

On the Test Mode Menu screen, selecting [5] displays the ROM version and region code.

The parenthesized hexadecimal number in version field is checksum value of ROM.

4-9. VIDEO LEVEL ADJUSTMENT

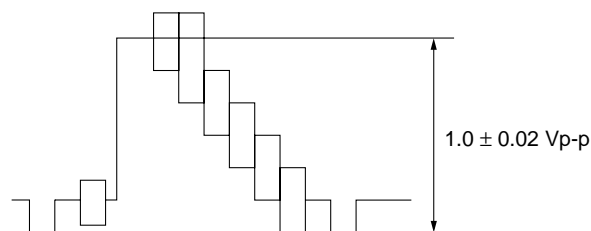
On the Test Mode Menu screen, selecting [6] displays color bars for video level adjustment. During display of color bars, OSD disappears but the menu screen will be restored if pressing any key.

Measurement point : LINE OUT VIDEO
(75 Ω terminating resistance)

Measuring instrument : Oscilloscope

Adjustment device : RV401 on DVD board

Specified value : 1.0 ± 0.02 Vpp



SECTION 5

ELECTRICAL ADJUSTMENTS

In making adjustment, refer to 5-2. Adjustment Related Parts Arrangement.

RE-ADJUSTMENT OF THE SERVO CIRCUIT

The re-adjustment of the servo circuit is necessary when the part which relates to the servo circuit is replaced.

Referring to "4-4. DRIVE AUTO ADJUSTMENT" (see page 12), Choose ALL and do the re-adjustment of each item of DVD-SL, CD and DVD-DL.

THE PART THAT THE RE-ADJUSTMENT OF THE SERVO CIRCUIT IS NECESSARY

1. Optical pick-up
2. RF AMP (IC001)
3. DSP IC (IC701)
4. Motor driver IC (IC801,802)
5. EEPROM (IC201)

Note: During diagnostic check, the characters and color bars can be seen only with the NTSC monitor. Therefore, for diagnostic check, use the monitor that supports both NTSC and PAL modes

This section describes procedures and instructions necessary for adjusting electrical circuits in this set.

Instruments required:

- 1) Color monitor TV
- 2) Oscilloscope 1 or 2 phenomena, band width over 100 MHz, with delay mode
- 3) Frequency counter (over 8 digits)
- 4) Digital voltmeter
- 5) Standard commander
* RM-SS300 (1-418-838-11)
- 6) DVD reference disc
HLX-501 (J-6090-071-A) (dual layer)
HLX-503 (J-6090-069-A) (single layer)
HLX-504 (J-6090-088-A) (single layer)
HLX-505 (J-6090-089-A) (dual layer)
- 7) SACD reference disc
HLXA-509 (J-6090-090-A)

* Use only the designated remote control when adjusting this system component.

5-1. ADJUSTMENT OF VIDEO SYSTEM

1. Video Level Adjustment (DVD BOARD)

<Purpose>

This adjustment is made to satisfy the NTSC standard, and if not adjusted correctly, the brightness will be too large or small.

| | |
|-------------------|---|
| Mode | Video level adjustment in test mode |
| Signal | Color bars |
| Test point | LINE OUT (VIDEO) connector (75 Ω terminated) |
| Instrument | Oscilloscope |
| Adjusting element | RV401 |
| Specification | 1.0 ± 0.02 Vp-p |

Adjusting method:

- 1) In the test mode initial menu "6" Video Level Adjustment, set so that color bars are generated.
- 2) Adjust the RV401 to attain 1.0 ± 0.02 Vp-p.



Figure 5-1

2. S-terminal Output Check (DVD BOARD)

<Purpose>

Check S-terminal video output. If it is incorrect, pictures will not be displayed correctly in spite of connection to the TV with a S-terminal cable.

| | |
|---------------|--|
| Mode | Video level adjustment in test mode |
| Signal | Color bars |
| Test point | S VIDEO OUT (S-Y) connector (75 Ω terminated) |
| Instrument | Oscilloscope |
| Specification | 1.0 ± 0.1 Vp-p |

Checking method:

- 1) In the test mode initial menu "6" Video Level Adjustment, set so that color bars are generated.
- 2) Confirm that the S-Y level is 1.0 ± 0.1 Vp-p.



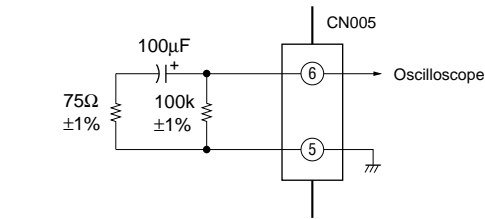
Figure 5-2

3. Checking S Video Output S-C (DVD BOARD)

<Purpose>
This checks whether the S-C satisfies the NTSC Standard. If it is not correct, the colors will be too dark or light.

| | |
|---------------|-------------------------------------|
| Mode | Video level adjustment in test mode |
| Signal | Color bars |
| Test point | CN005 pin ⑥ |
| Instrument | Oscilloscope |
| Specification | 286 ± 50 mVp-p |

Connection:



Checking method:

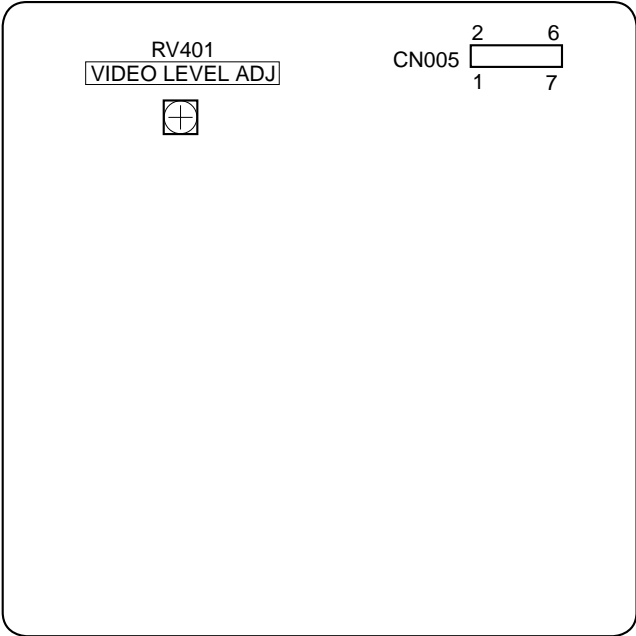
- 1) Confirm that the S-C burst is 286 ± 50 mVp-p.



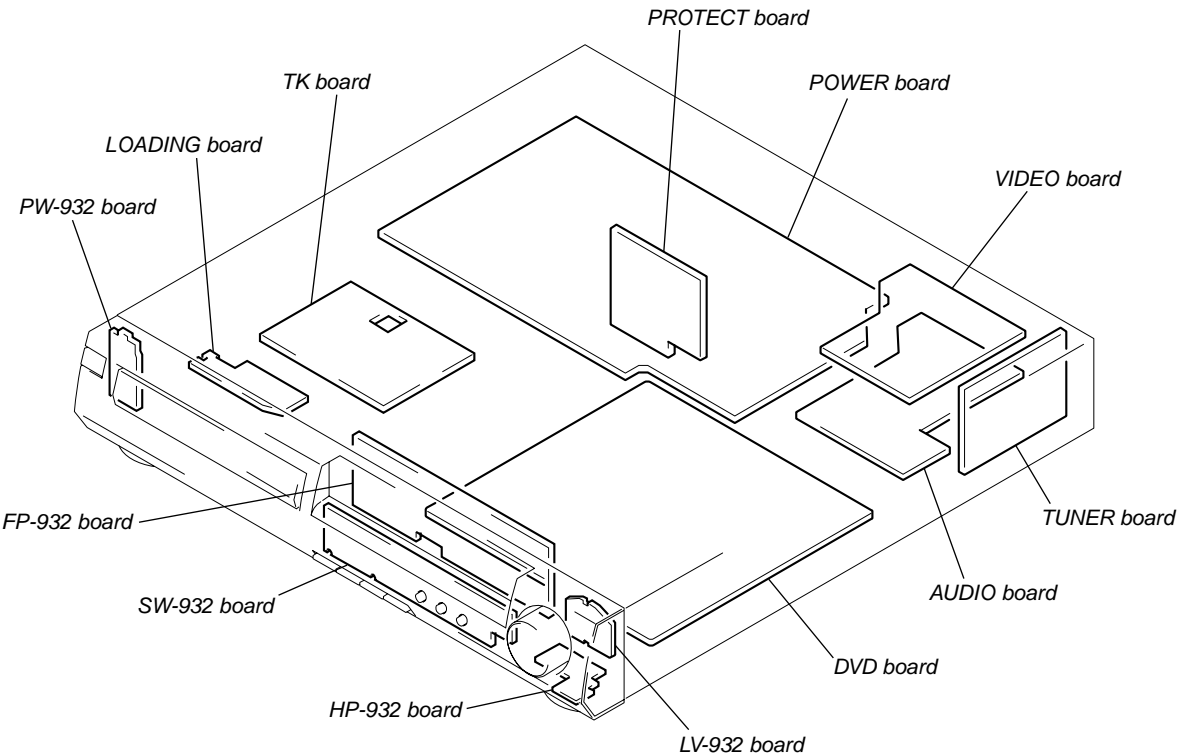
Figure 5-3

5-2. ADJUSTMENT RELATED PARTS
ARRANGEMENT

DVD BOARD (SIDE A)






6-1.CIRCUIT BOARDS LOCATION



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.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.




以阴影和 Δ 标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

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.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages and waveforms are dc with respect to ground in service mode.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- no mark : STOP
- Circled numbers refer to waveforms.
- Signal path.
-  : DVD/CD
-  : AUDIO
-  : VIDEO
-  : C
-  : Y
- Abbreviation
- SP : Singapore model.
- HK : Hong Kong model.
- AUS : Australian model.
- MX : Mexican model.
- CND : Canadian model.
- E32 : Cantral & South America model.

For printed wiring boards.
Note:


-  : parts extracted from the component side.
-  : Through hole.
-  : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Indication of transistor

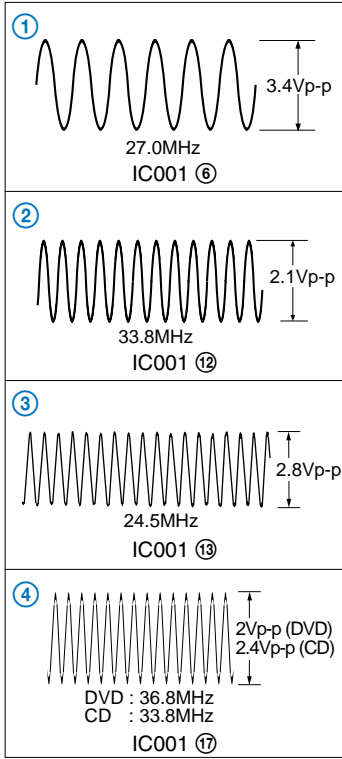


These are omitted

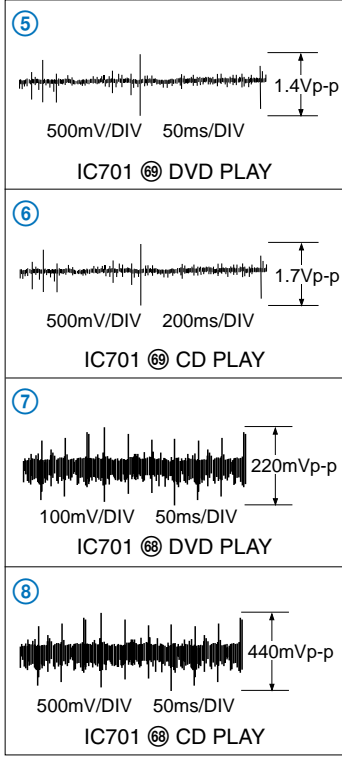


These are omitted

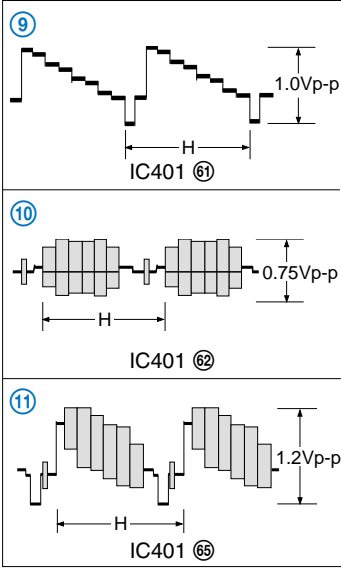
WAVEFORMS
– DVD (1/12) SECTION –



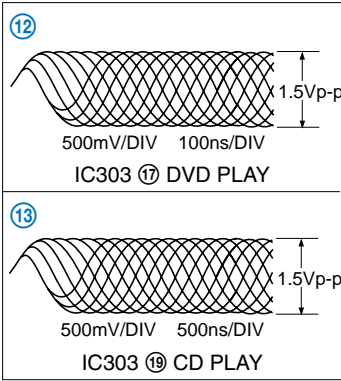
– DVD (2/12) SECTION –



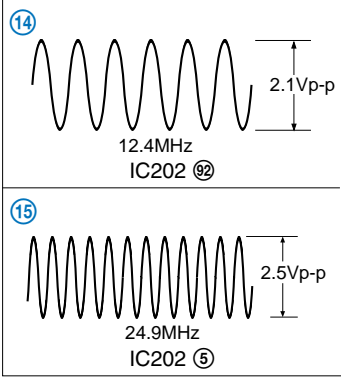
– DVD (4/12) SECTION –



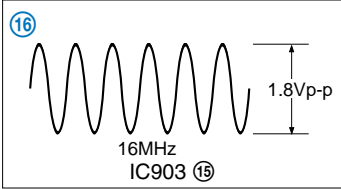
– DVD (5/12) SECTION –



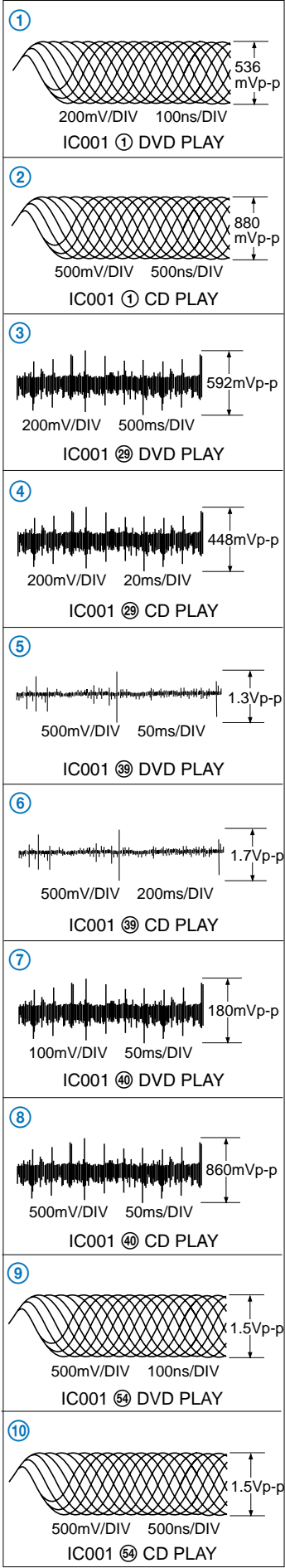
– DVD (8/12) SECTION –



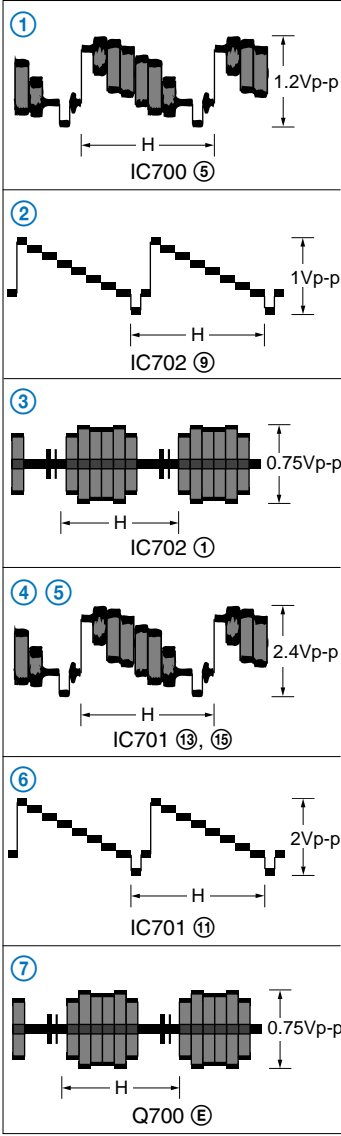
– DVD (10/12) SECTION –



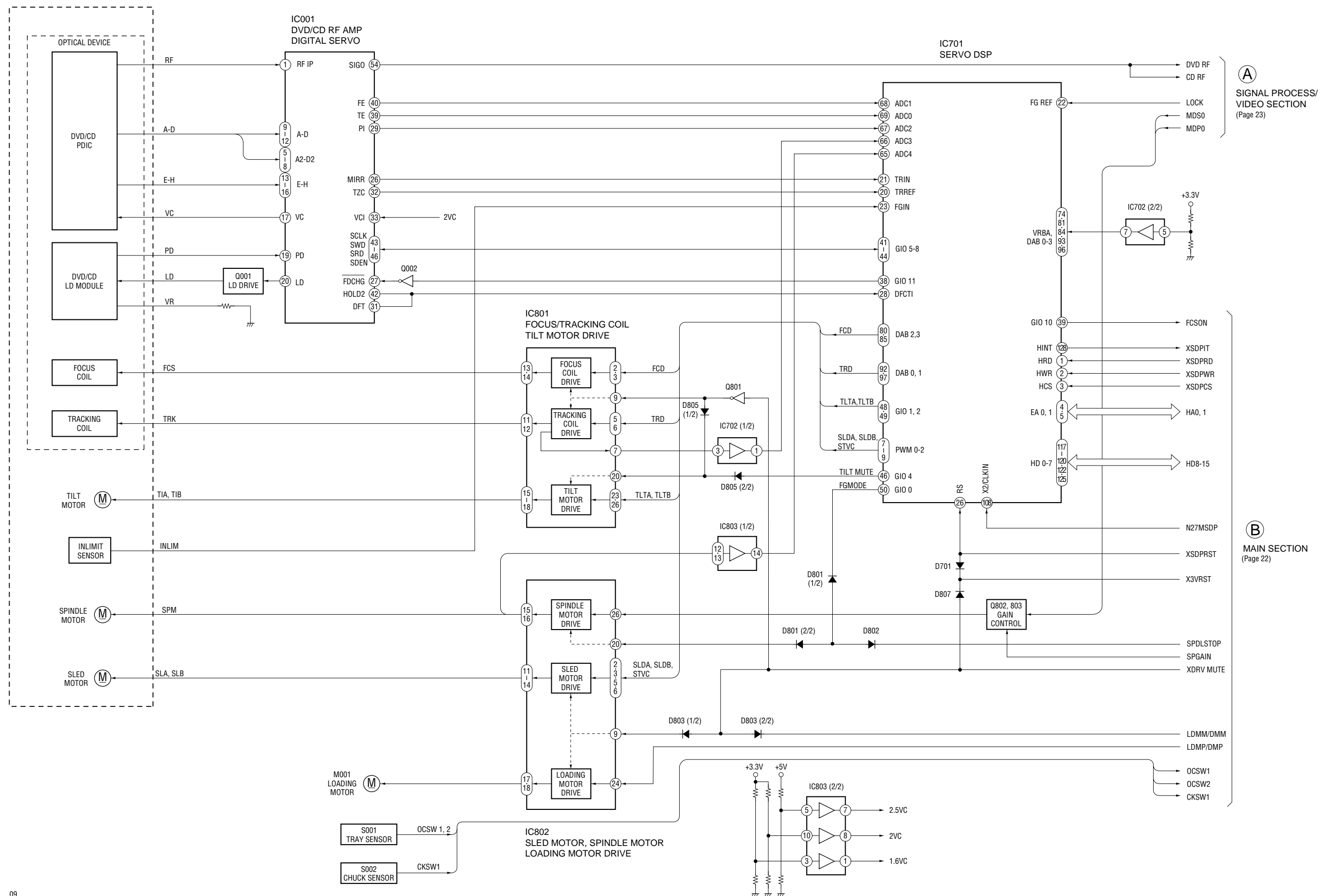
– TK SECTION –



– VIDEO SECTION –

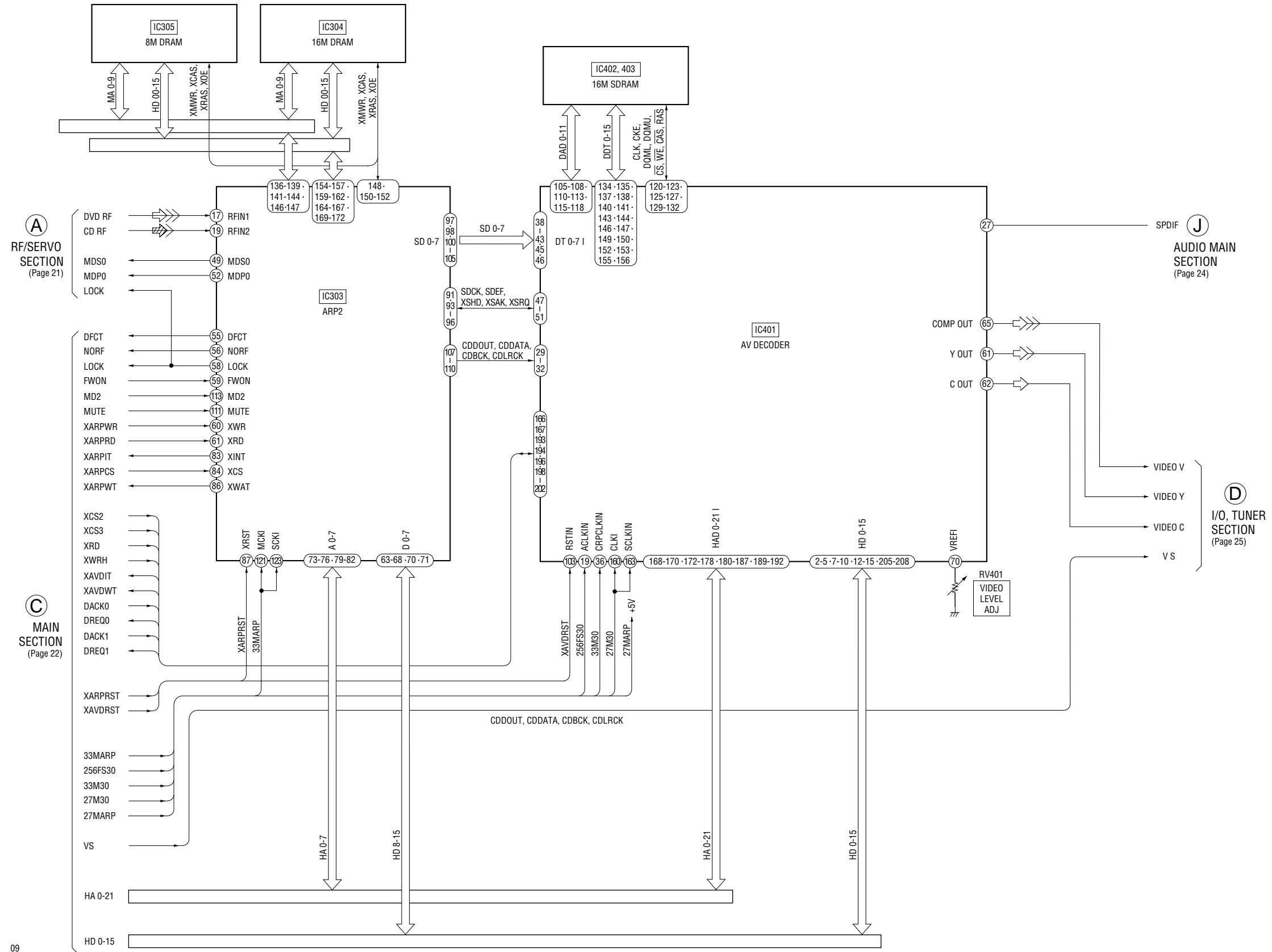


6-2. BLOCK DIAGRAMS
- RF/SERVO SECTION -



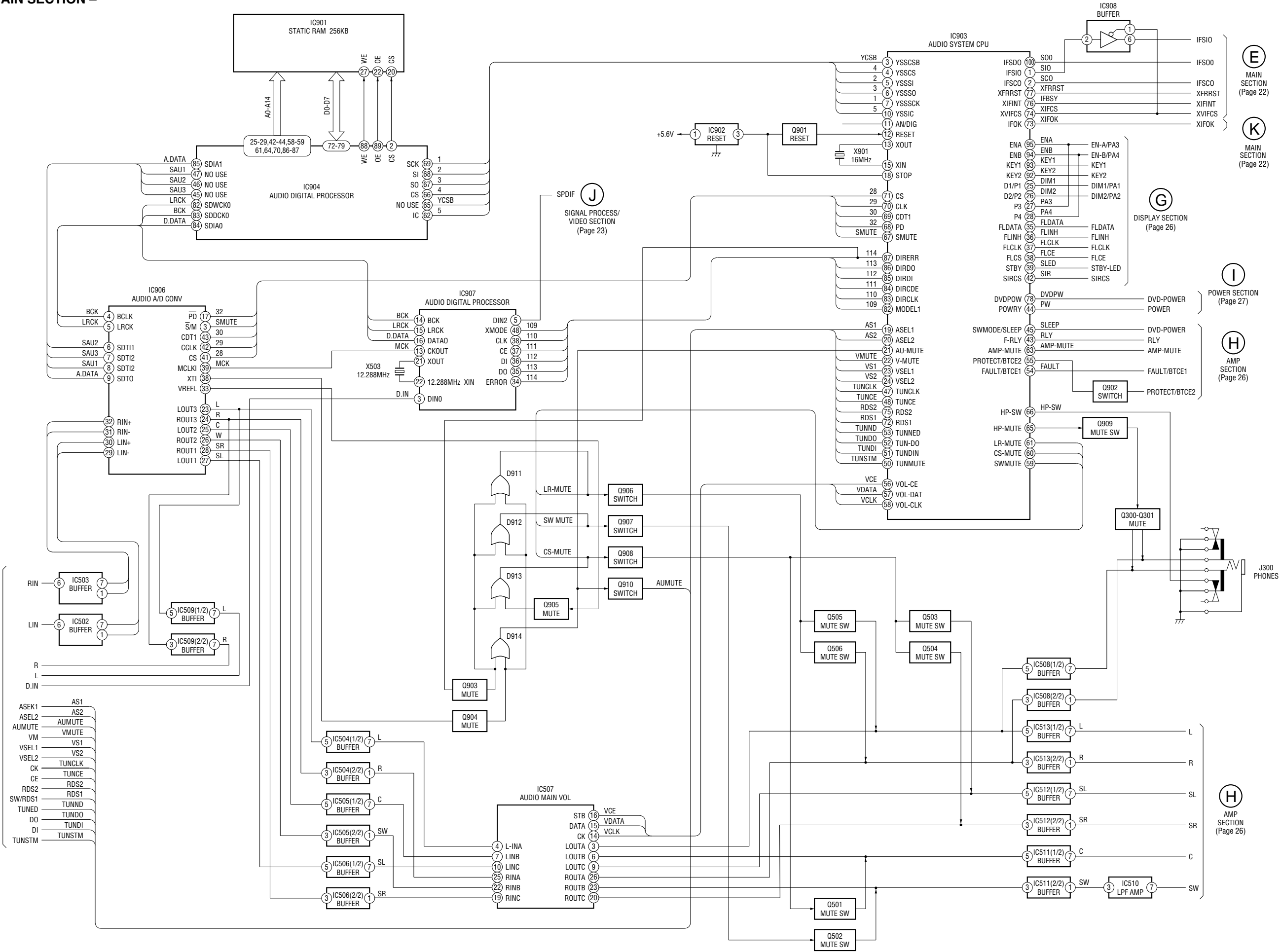


– SIGNAL PROCESS/VIDEO SECTION –



– AUDIO MAIN SECTION –

F
I/O, TUNER
SECTION
(Page 25)



E
MAIN
SECTION
(Page 22)

K
MAIN
SECTION
(Page 22)

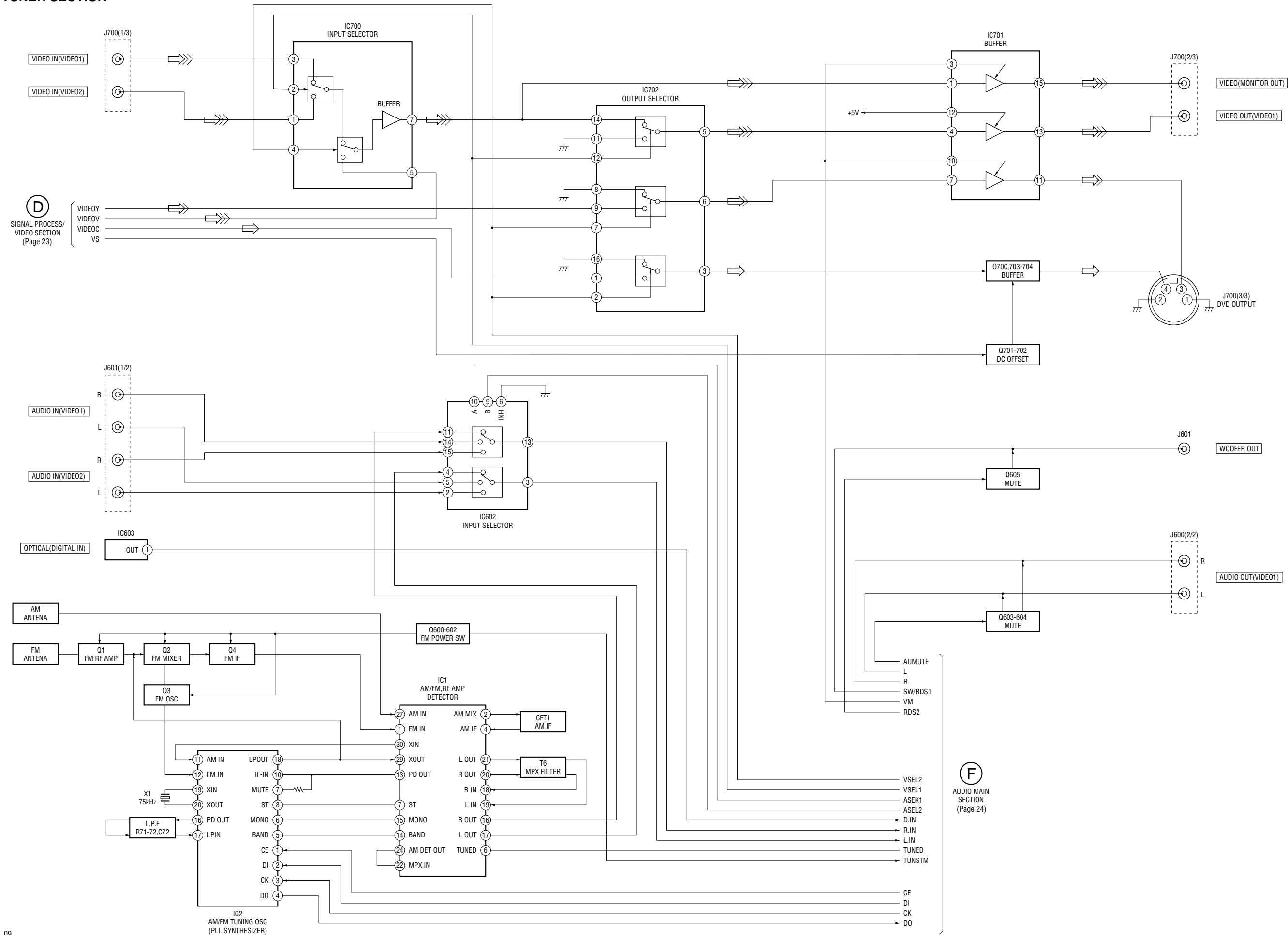
G
DISPLAY SECTION
(Page 26)

I
POWER SECTION
(Page 27)

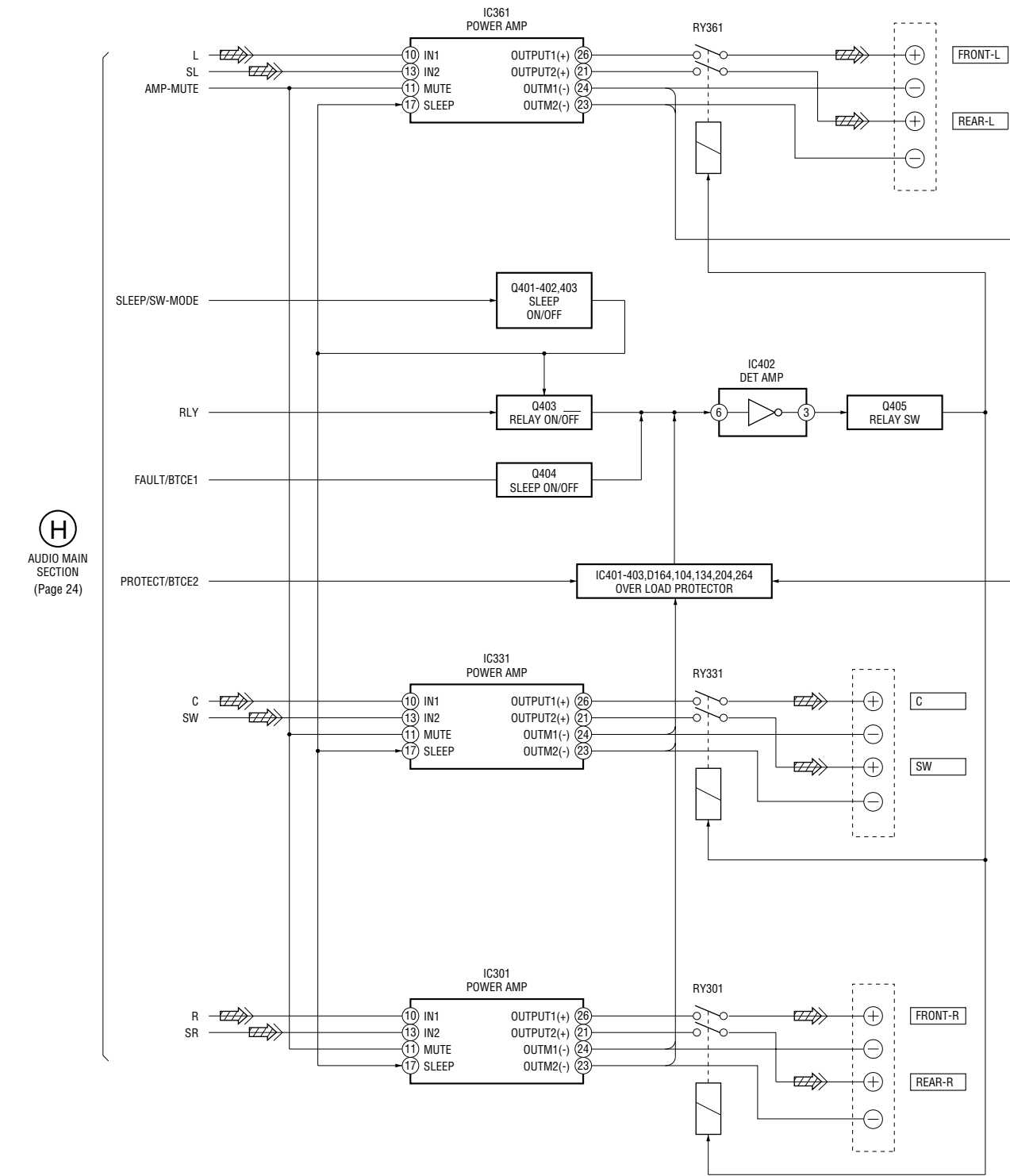
H
AMP SECTION
(Page 26)

H
AMP SECTION
(Page 26)

– I/O, TUNER SECTION –

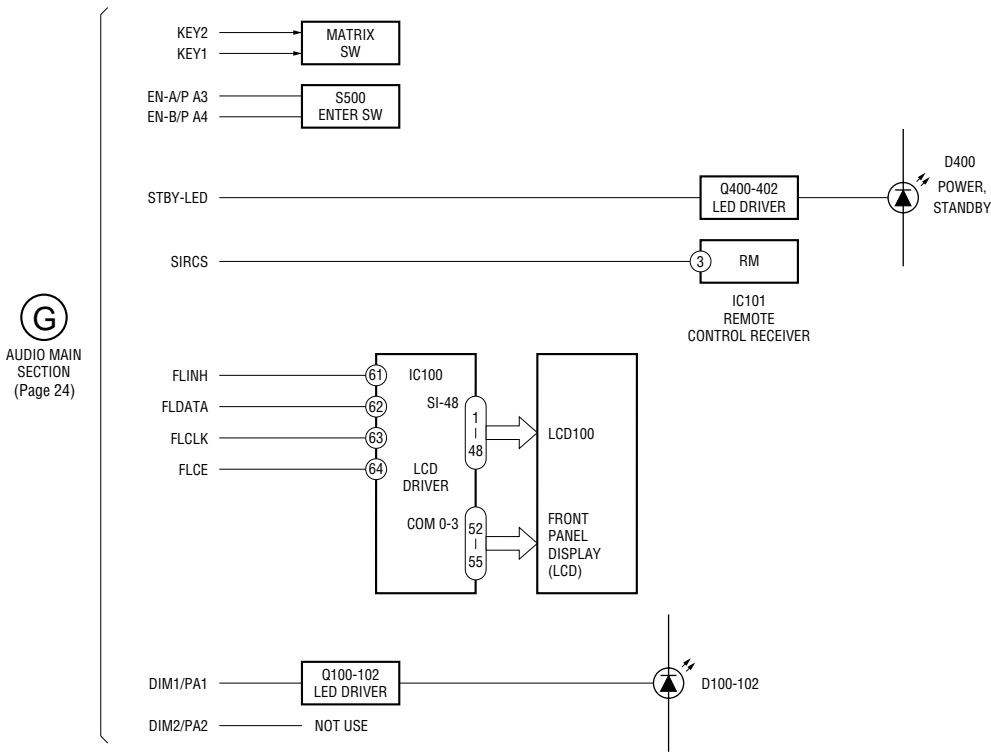


– AMP SECTION –



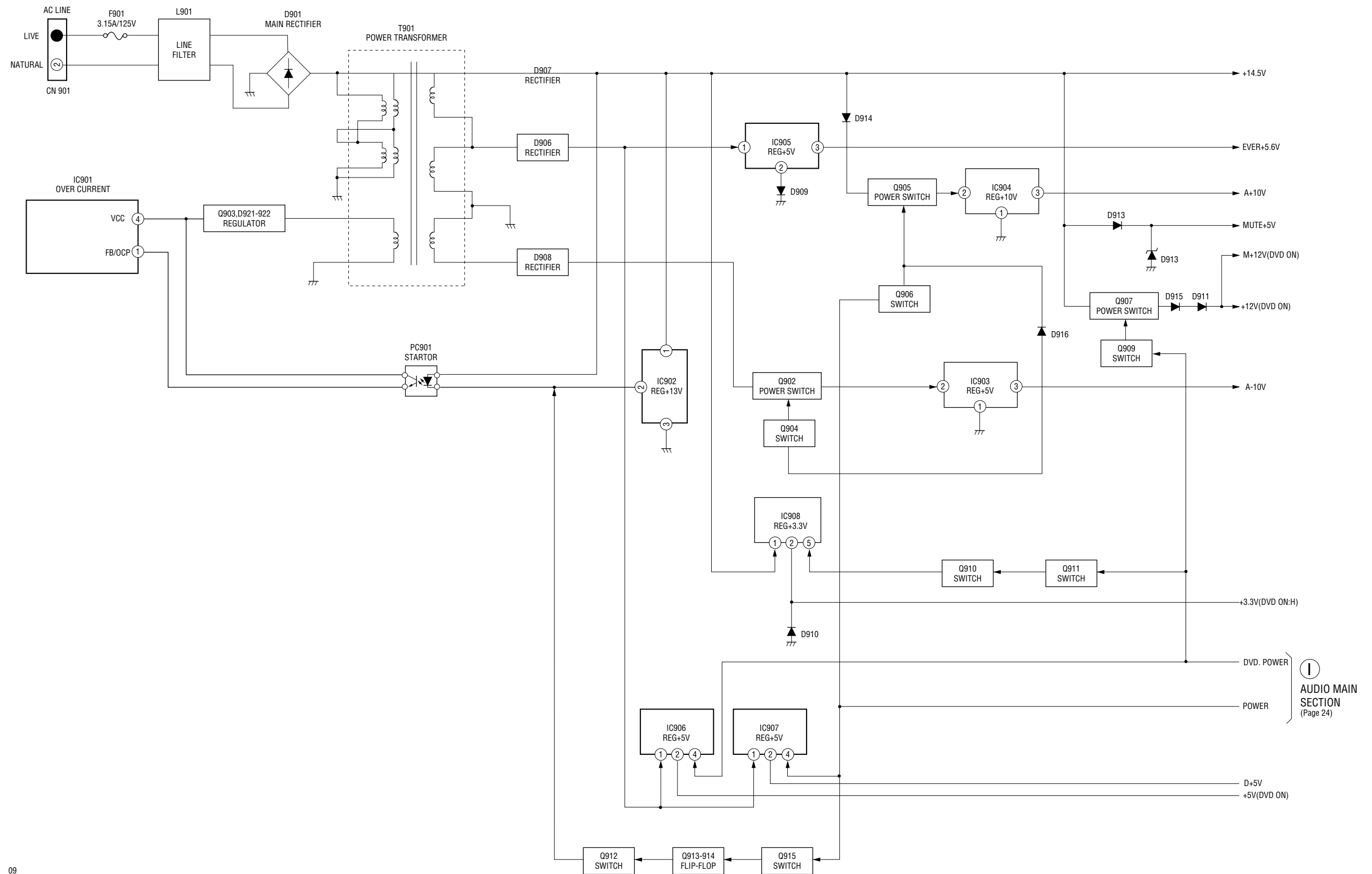
H
AUDIO MAIN
SECTION
(Page 24)

– DISPLAY SECTION –

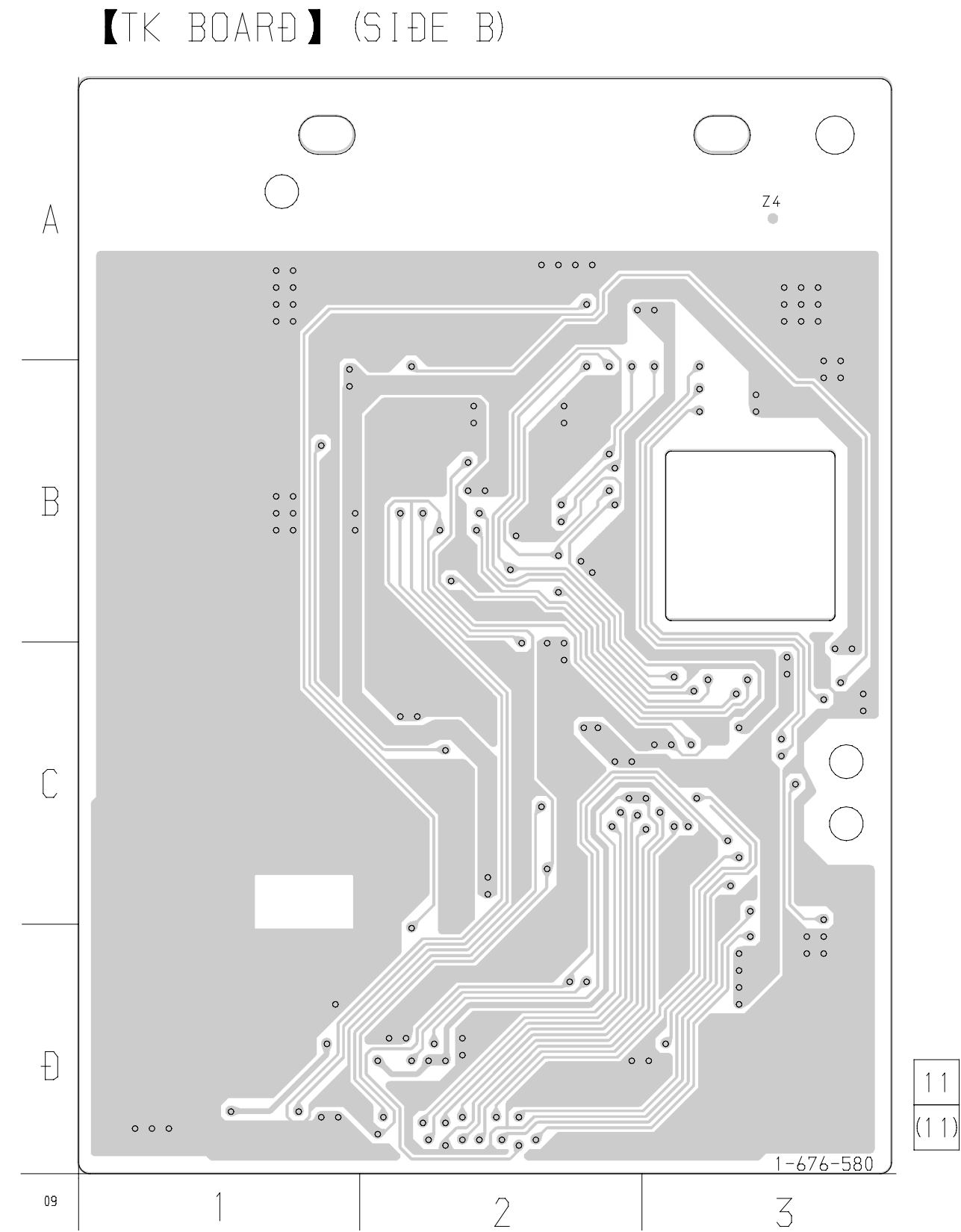
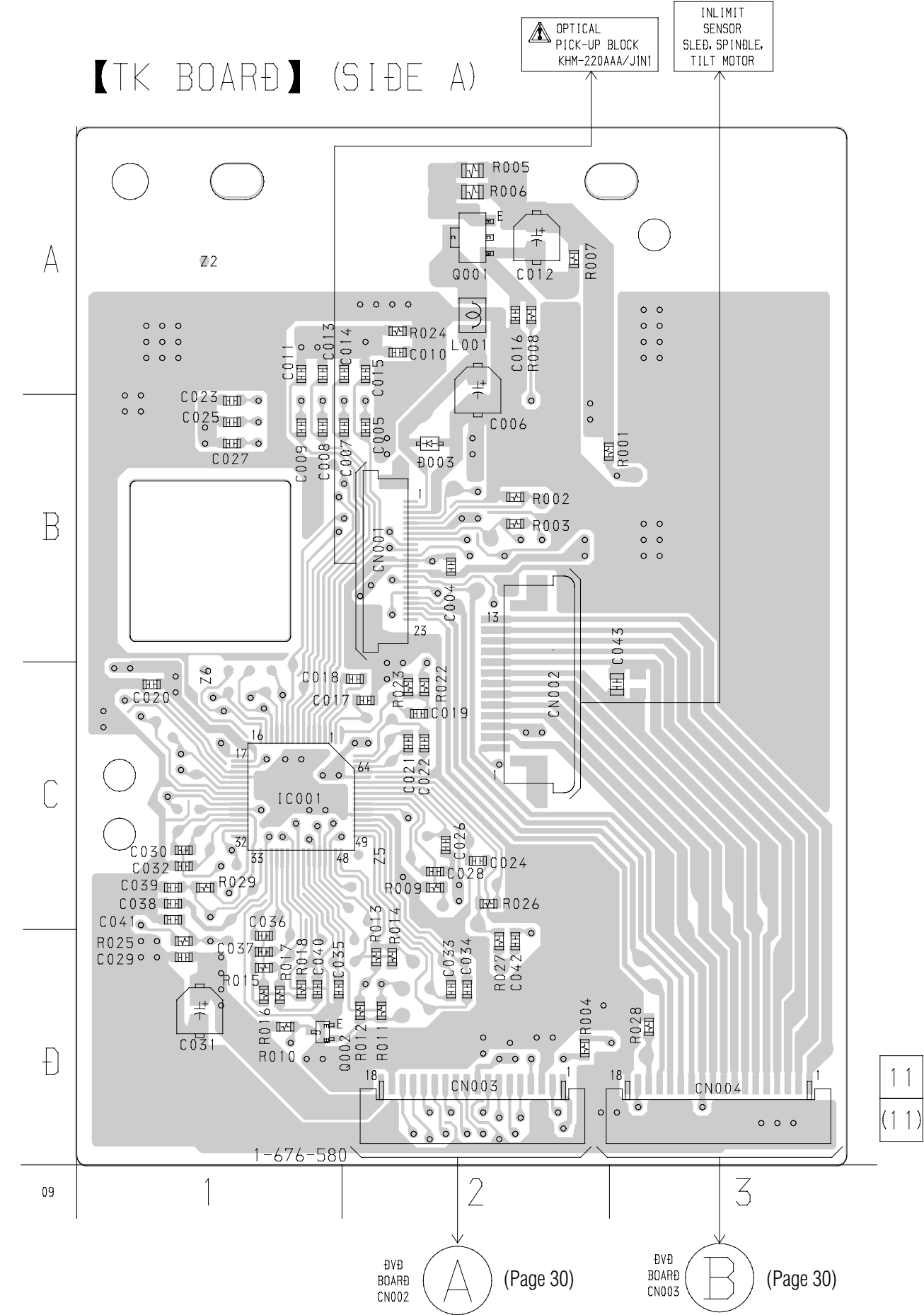


G
AUDIO MAIN
SECTION
(Page 24)

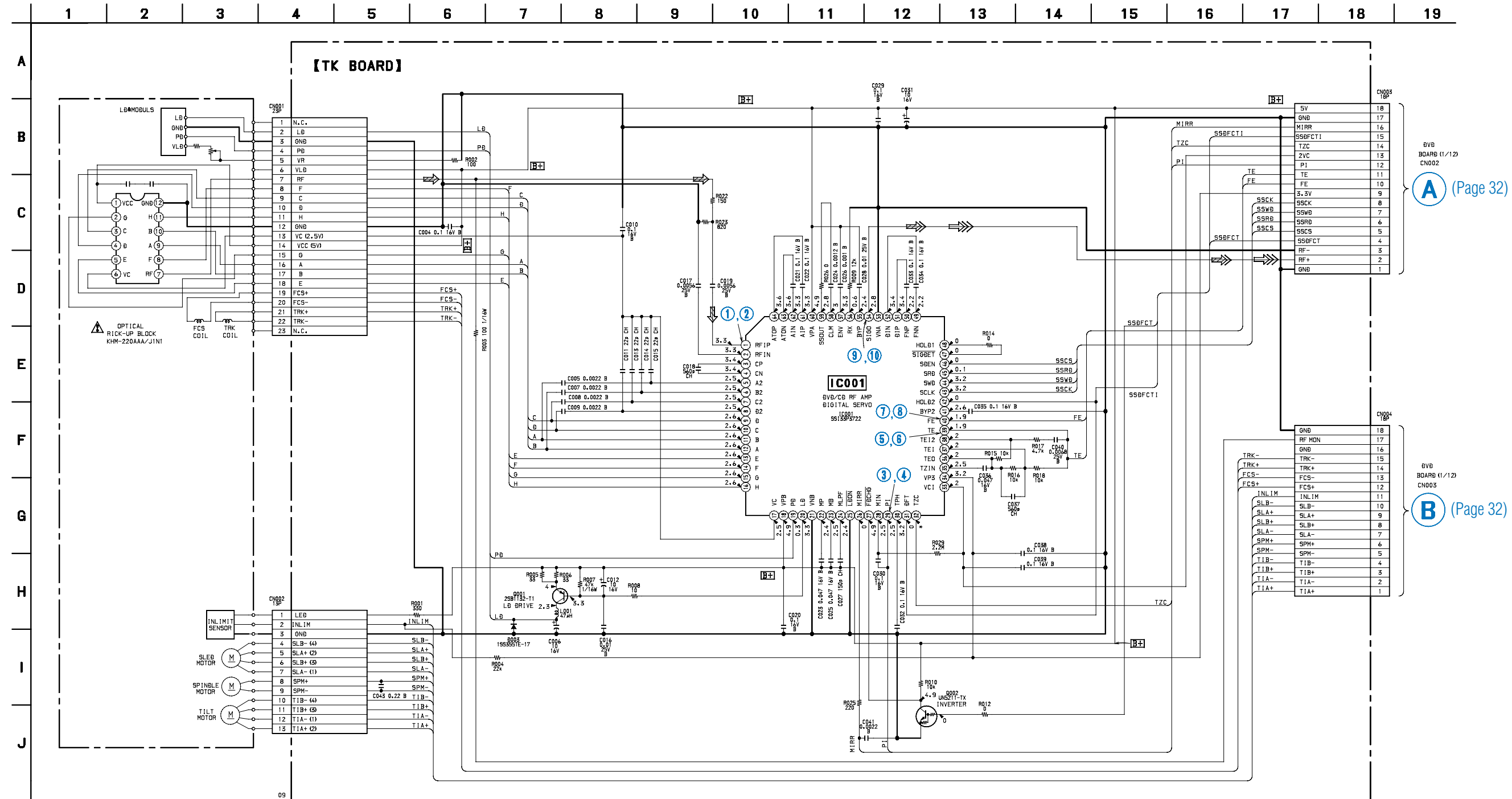
– POWER SECTION –



6-3. PRINTED WIRING BOARD – TK SECTION –
• See page 19 for Circuit Boards Location.

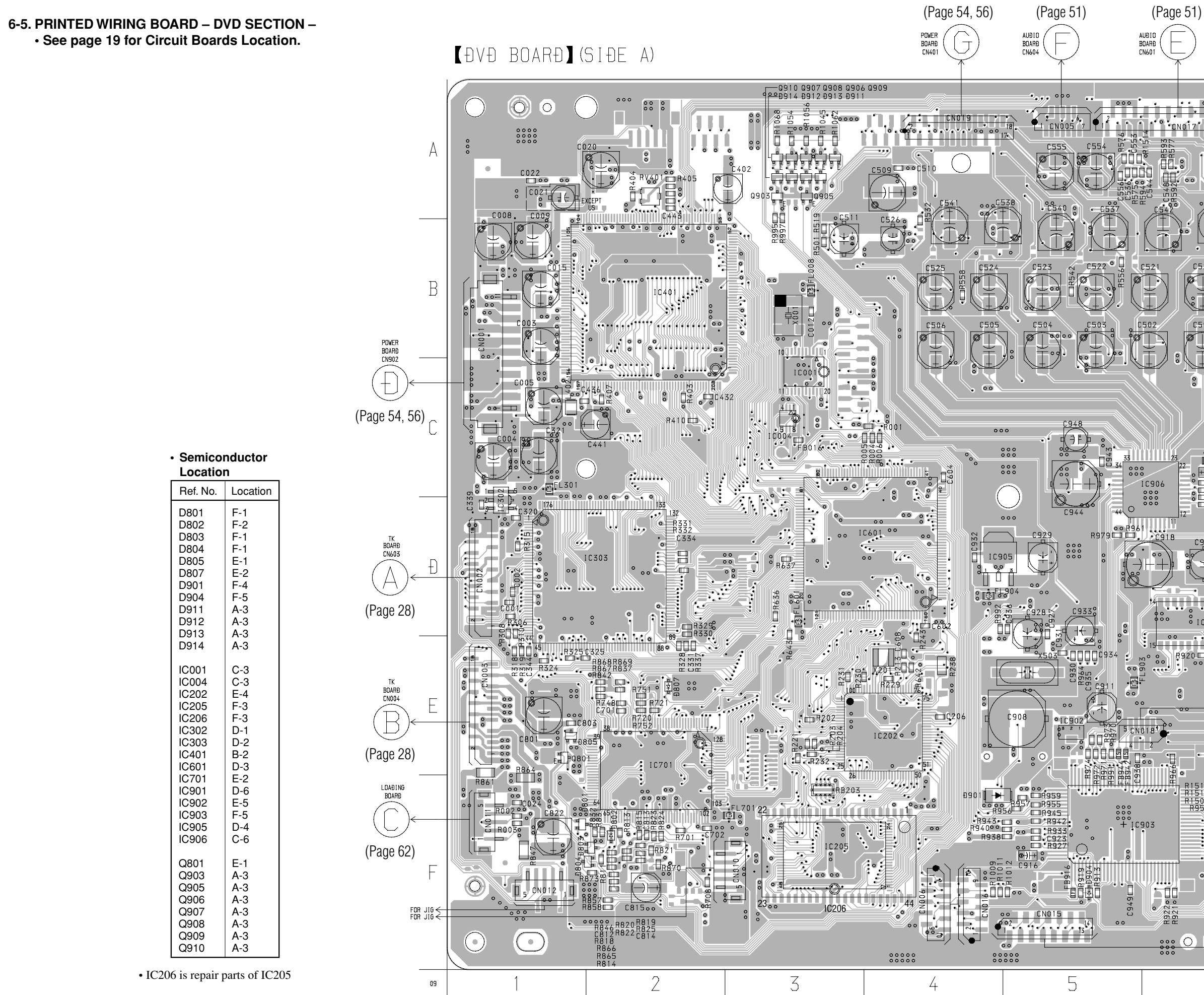


6-4. SCHEMATIC DIAGRAM – TK SECTION –
• See page 20 for Waveforms.



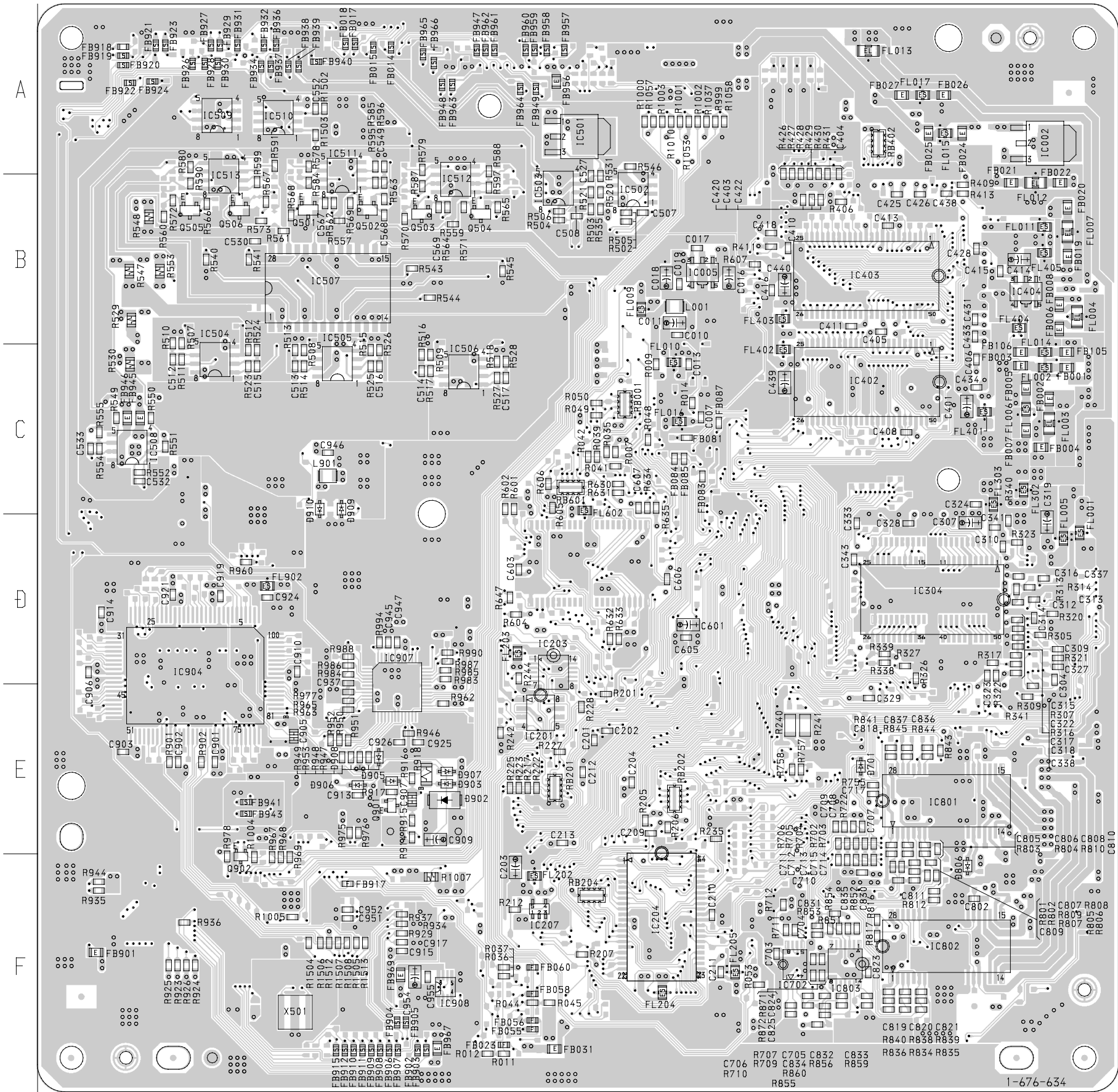
NOTE
• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark: FM

6-5. PRINTED WIRING BOARD – DVD SECTION –
• See page 19 for Circuit Boards Location.



• IC206 is repair parts of IC205

【DVD BOARD】(SIDE B)



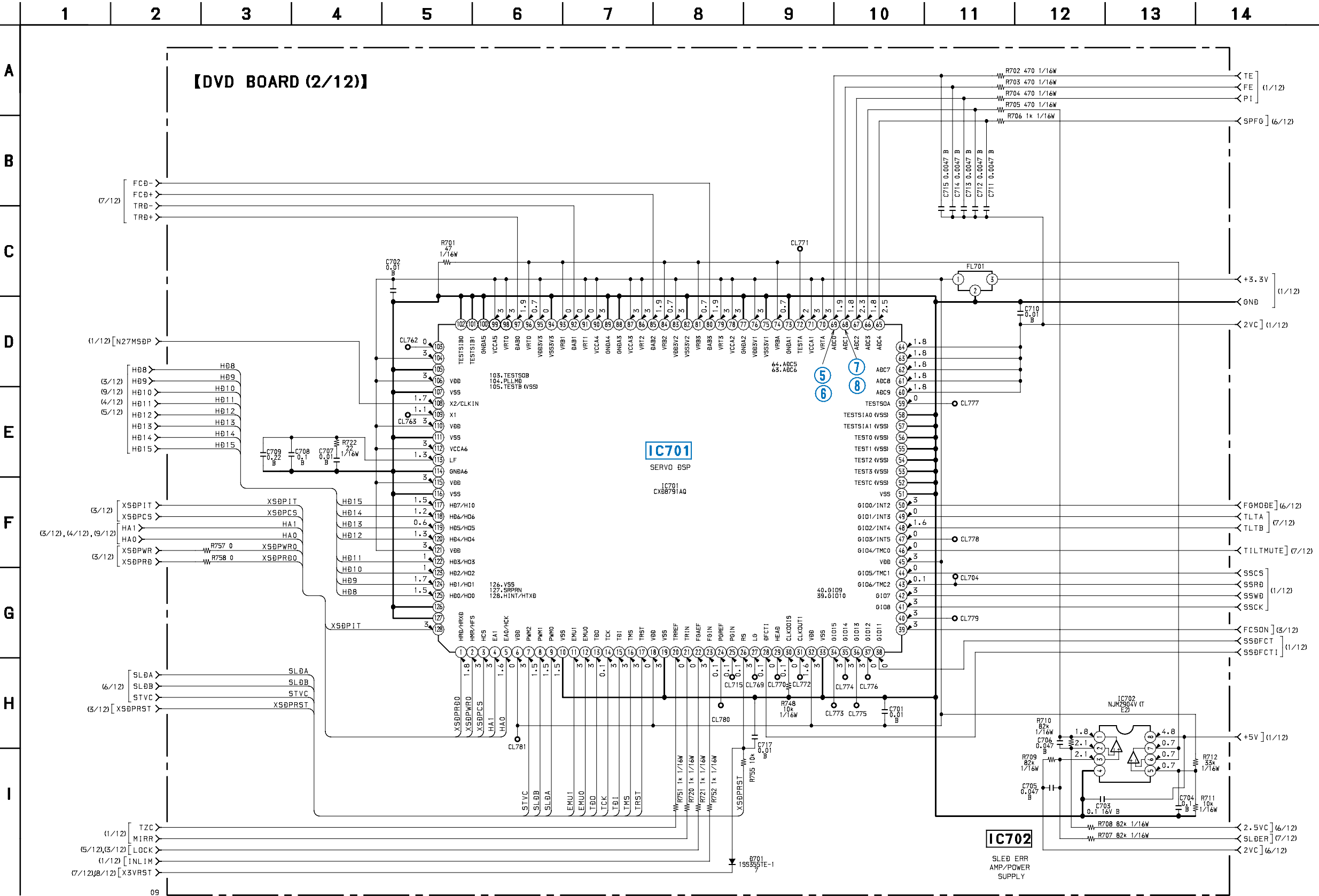
• Semiconductor Location

| Ref. No. | Location |
|----------|----------|
| D701 | E-5 |
| D806 | F-6 |
| D902 | E-3 |
| D903 | E-3 |
| D905 | E-2 |
| D906 | E-2 |
| D907 | E-3 |
| D908 | E-2 |
| D909 | C-2 |
| D910 | C-2 |
| IC002 | A-6 |
| IC005 | B-4 |
| IC201 | E-3 |
| IC203 | D-4 |
| IC204 | F-4 |
| IC207 | F-3 |
| IC304 | D-6 |
| IC402 | C-5 |
| IC403 | B-5 |
| IC404 | B-6 |
| IC501 | A-4 |
| IC502 | B-4 |
| IC503 | B-3 |
| IC504 | B-2 |
| IC505 | C-2 |
| IC506 | C-3 |
| IC507 | B-2 |
| IC508 | C-1 |
| IC509 | A-2 |
| IC510 | A-2 |
| IC511 | A-2 |
| IC512 | B-3 |
| IC513 | B-2 |
| IC702 | F-5 |
| IC801 | E-6 |
| IC802 | F-6 |
| IC803 | F-5 |
| IC904 | D-1 |
| IC907 | D-3 |
| IC908 | F-3 |
| Q501 | B-2 |
| Q502 | B-2 |
| Q503 | B-3 |
| Q504 | B-3 |
| Q505 | B-1 |
| Q506 | B-2 |
| Q901 | E-3 |
| Q902 | F-2 |



6-7. SCHEMATIC DIAGRAM – DVD (2/12) SECTION –

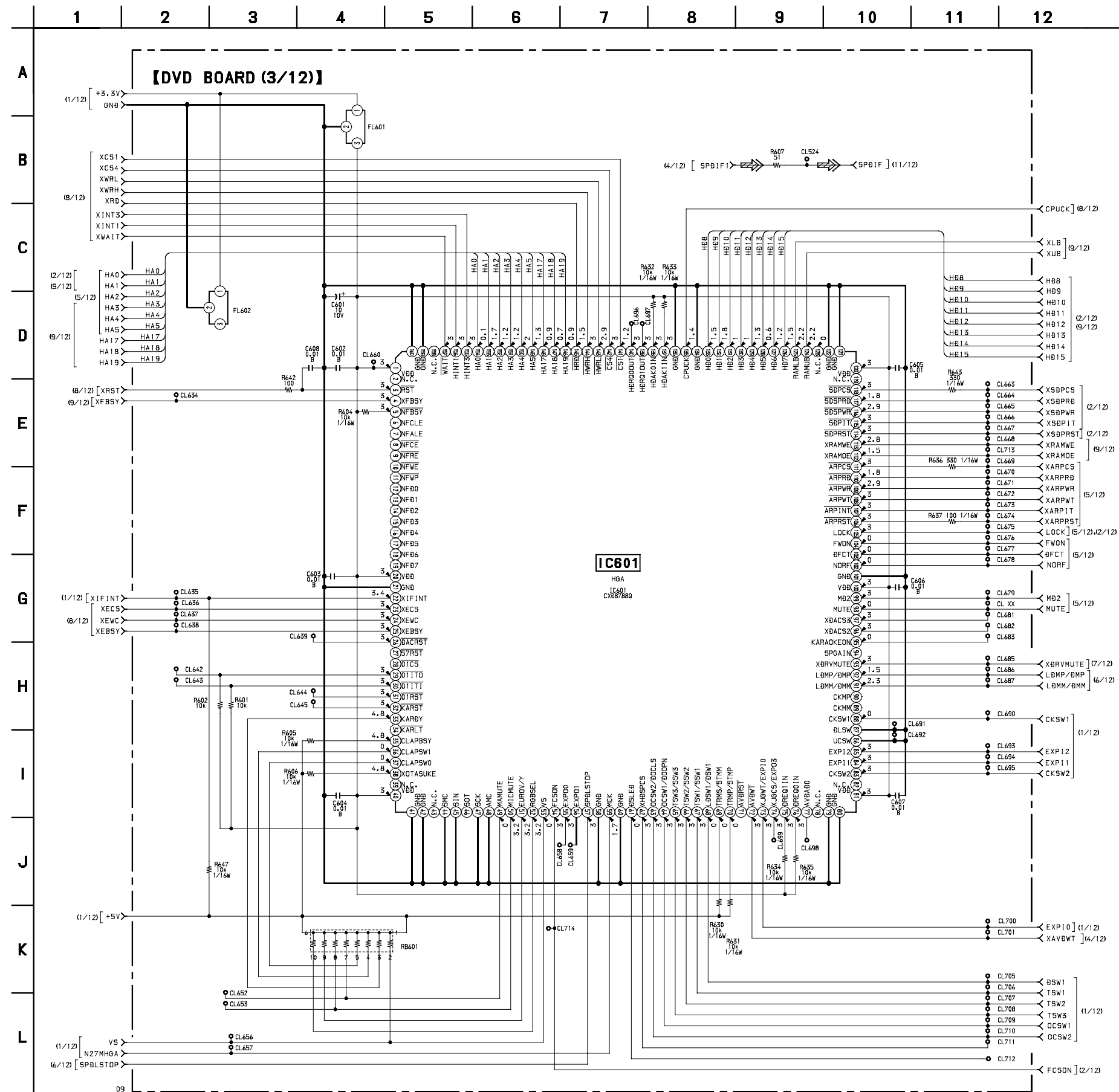
- See page 20 for Waveforms.
- See page 30 for Printed Wiring Board.
- See page 65 for IC Block Diagrams.



NOTE
 • Voltages and waveforms are dc with respect to ground under no-signal conditions.
 no mark: DVD

6-8. SCHEMATIC DIAGRAM – DVD (3/12) SECTION –

- See page 20 for Waveforms.
- See page 30 for Printed Wiring Board.
- See page 65 for IC Block Diagrams.



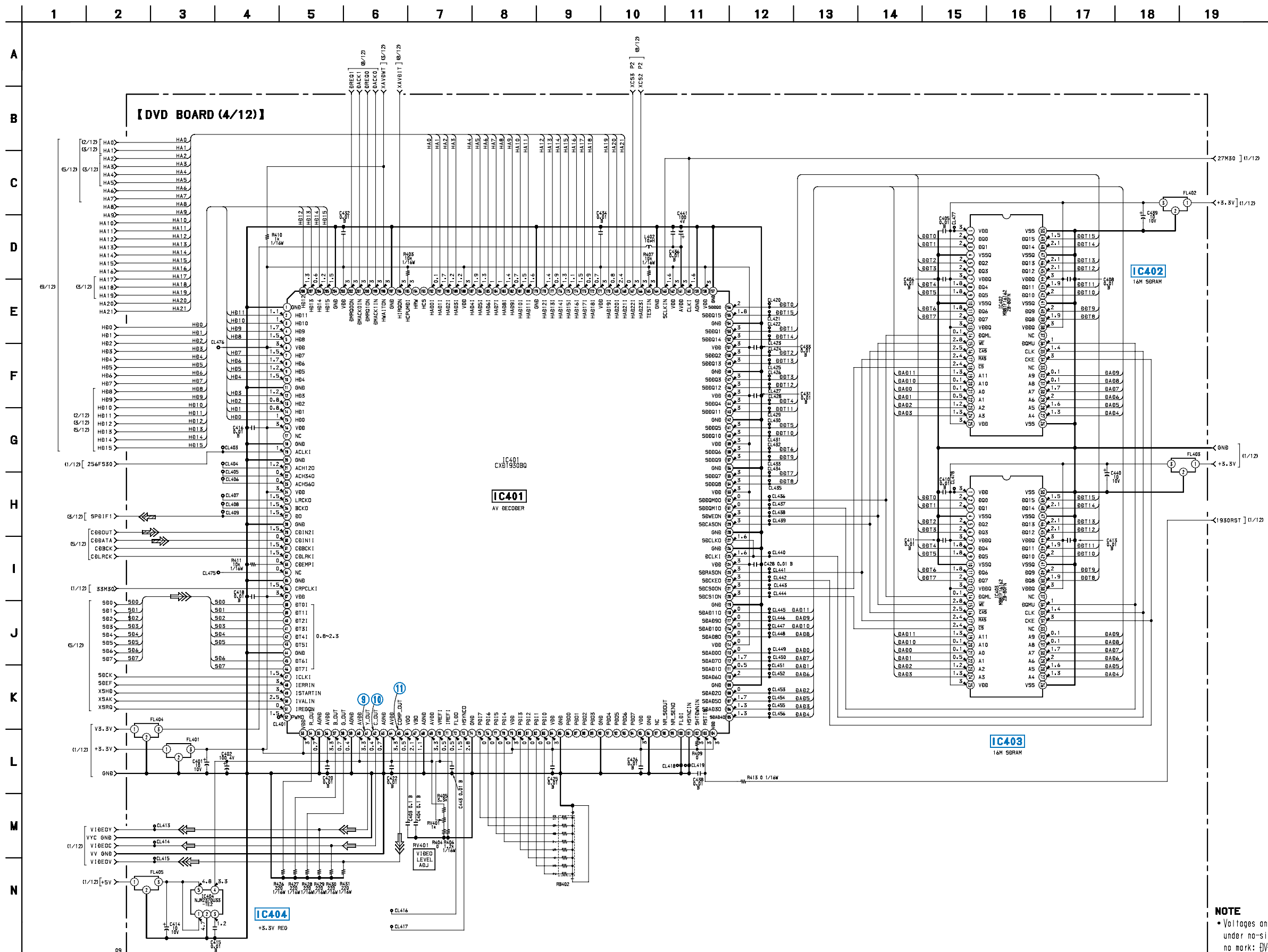
NOTE

- Voltages and waveforms are dc with respect to ground under no-signal conditions.

no mark: DVE

6-9. SCHEMATIC DIAGRAM – DVD (4/12) SECTION –

- See page 20 for Waveforms.
- See page 30 for Printed Wiring Board.
- See page 63, 64 for IC Block Diagrams.



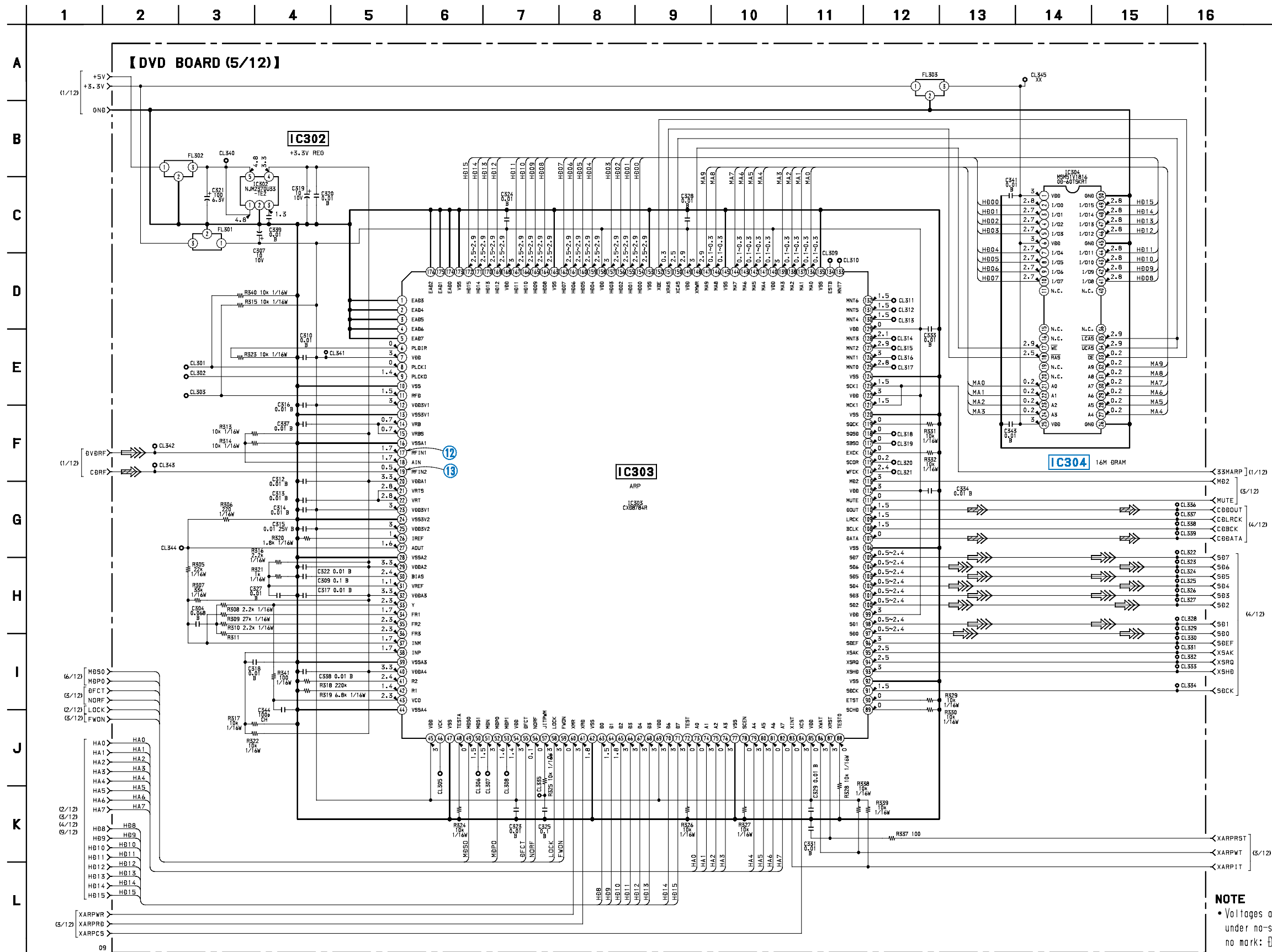
NOTE

- Voltages and waveforms are dc with respect to ground under no-signal conditions.

no mark: DVB

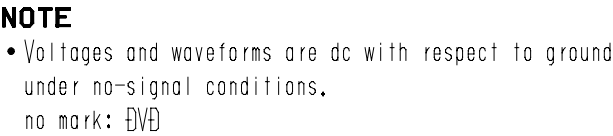
6-10. SCHEMATIC DIAGRAM – DVD (5/12) SECTION –

- See page 20 for Waveforms.
- See page 30 for Printed Wiring Board.
- See page 64 for IC Block Diagrams.



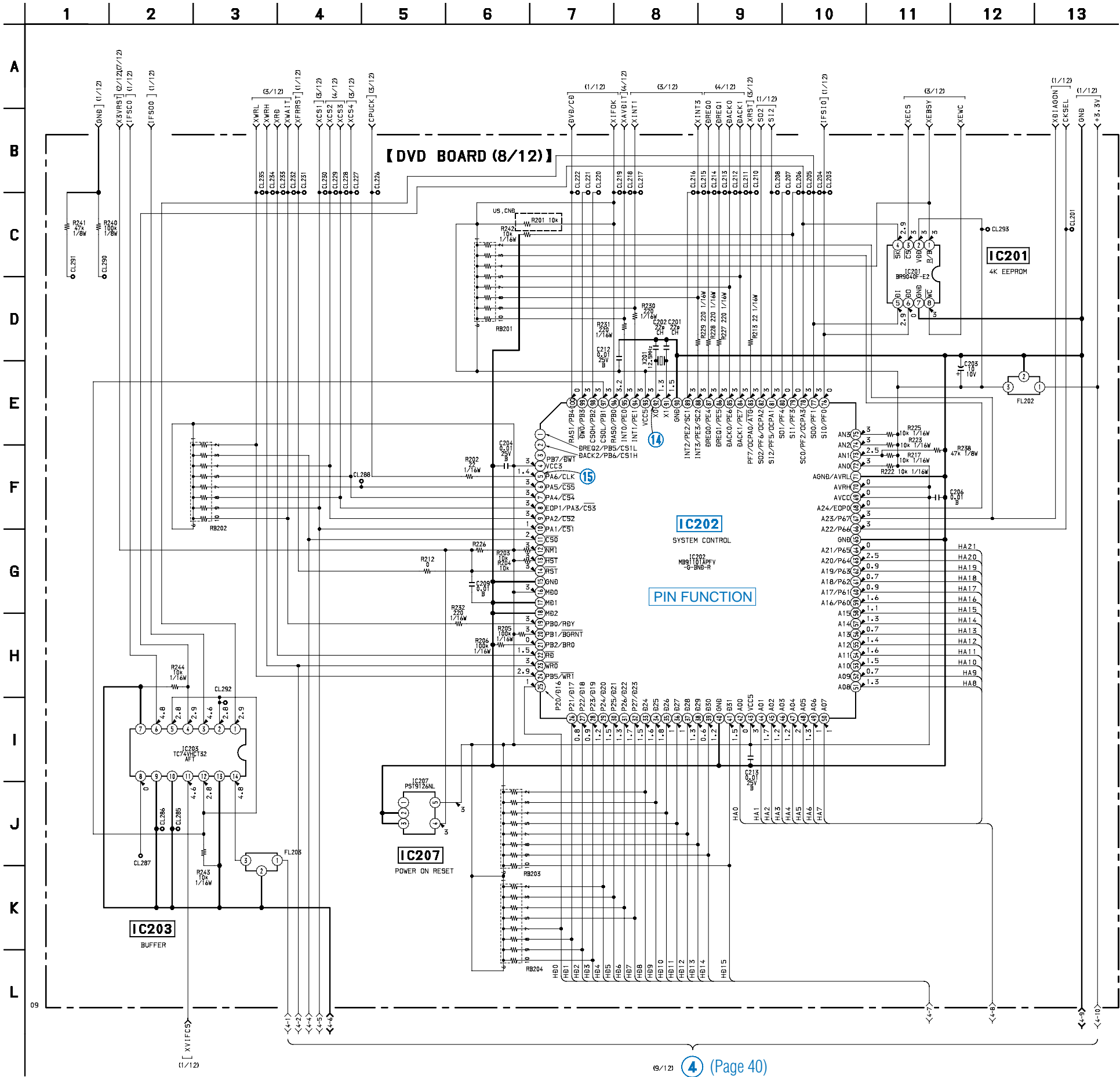
NOTE

- Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark: DVP



6-13. SCHEMATIC DIAGRAM – DVD (8/12) SECTION –

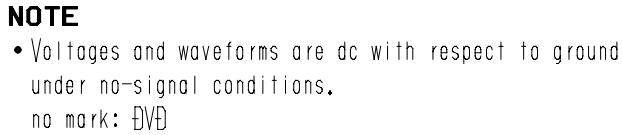
- See page 20 for Waveforms.
- See page 30 for Printed Wiring Board.
- See page 63 for IC Block Diagrams.
- See page 67 for IC Pin Functions.



NOTE
• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark: GND

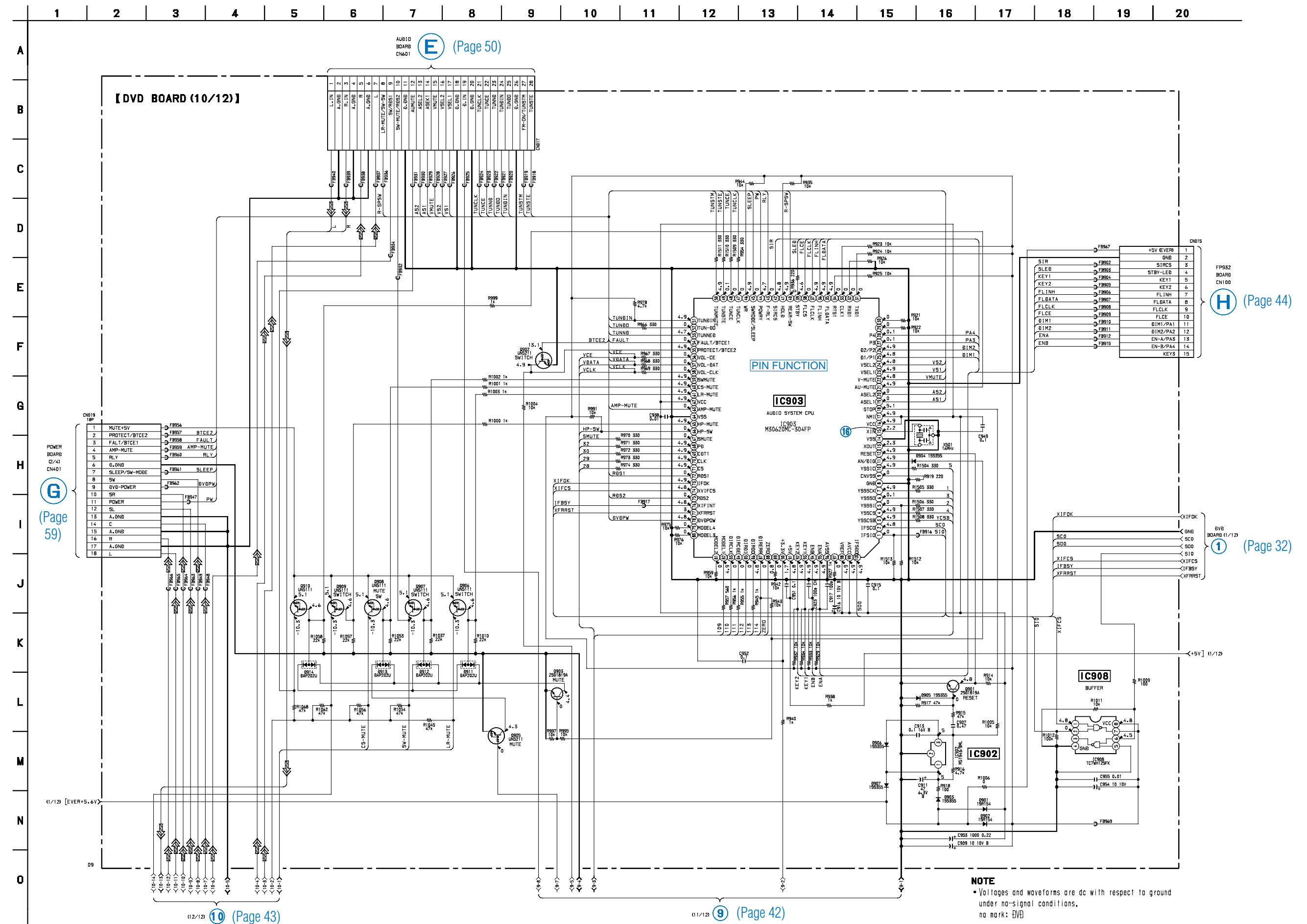
6-14. SCHEMATIC DIAGRAM – DVD (9/12) SECTION –

- See page 20 for Waveforms.
- See page 30, 31 for Printed Wiring Board.
- See page 64 for IC Block Diagrams.



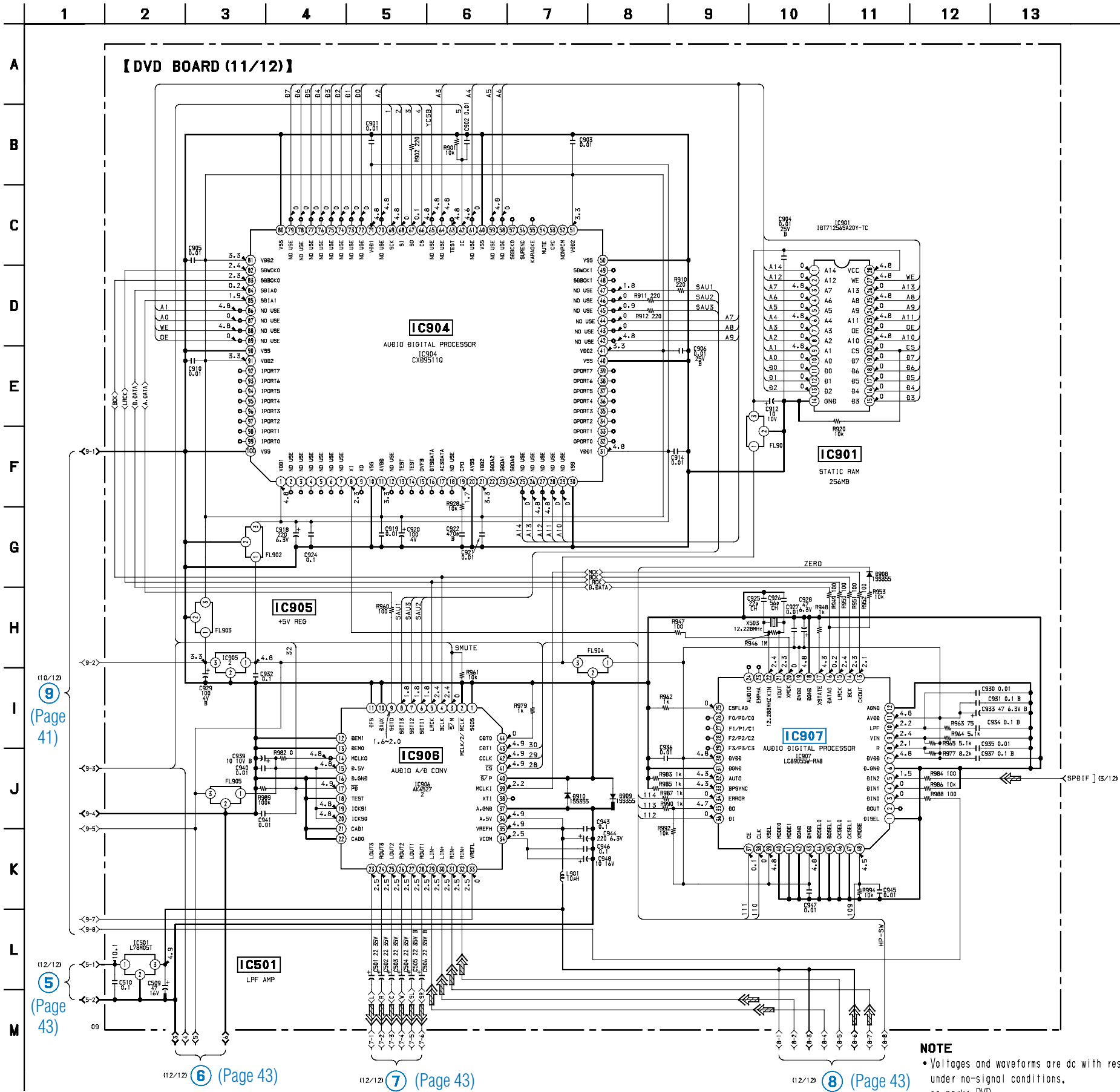
6-15. SCHEMATIC DIAGRAM – DVD (10/12) SECTION –

- See page 20 for Waveforms.
- See page 30 for Printed Wiring Board.
- See page 69 for IC Pin Functions.



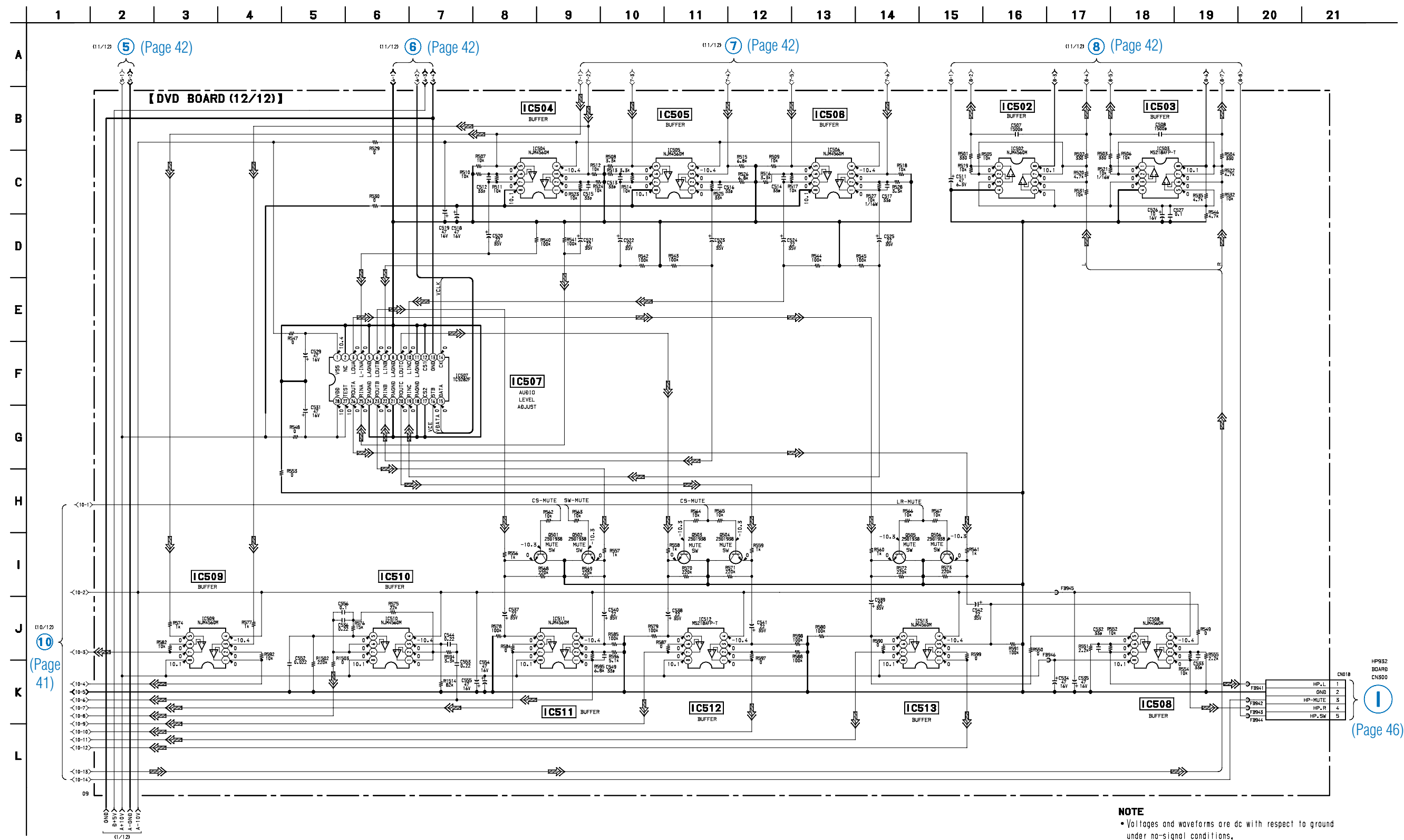
6-16. SCHEMATIC DIAGRAM – DVD (11/12) SECTION –

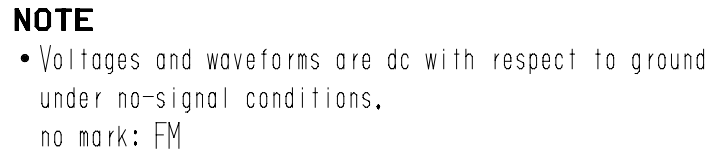
- See page 20 for Waveforms.
- See page 30, 31 for Printed Wiring Board.
- See page 66 for IC Block Diagrams.



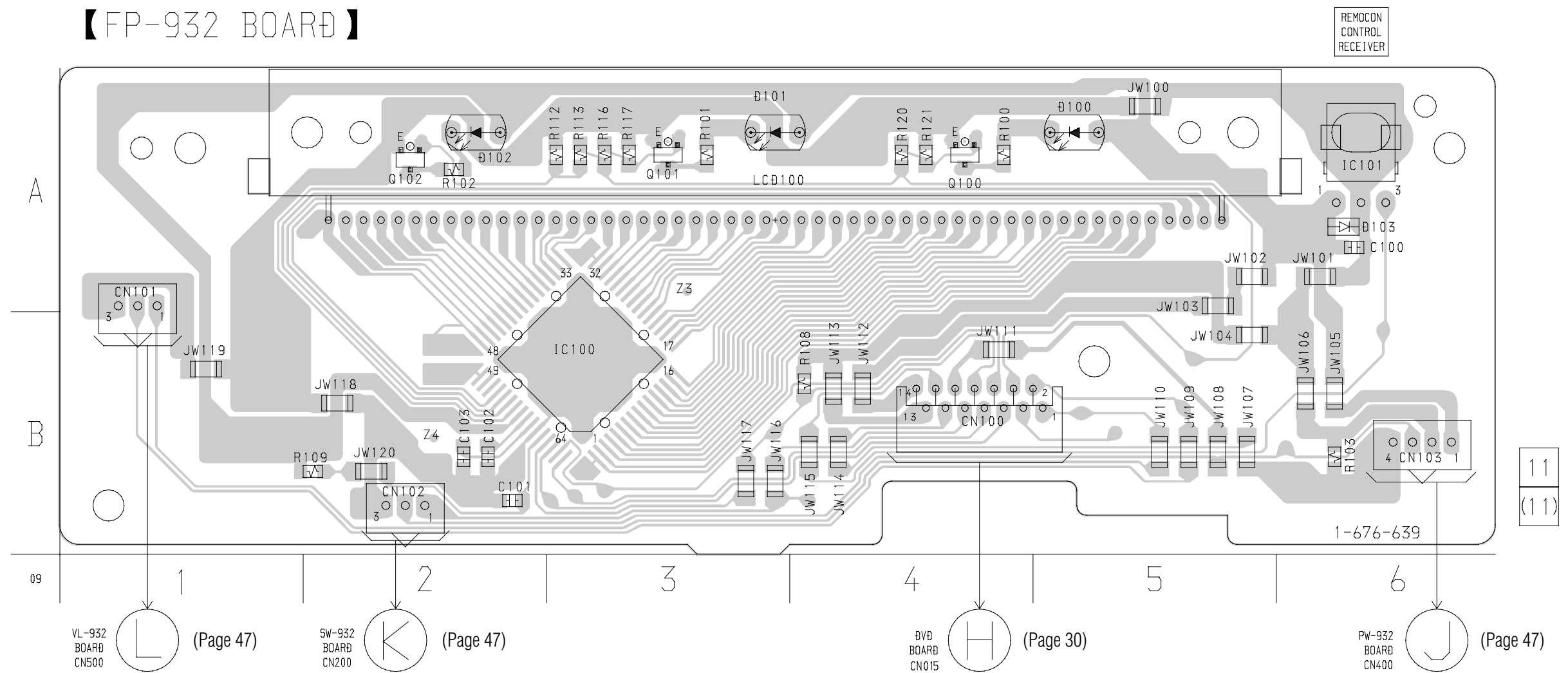
6-17. SCHEMATIC DIAGRAM – DVD (12/12) SECTION –

- See page 20 for Waveforms.
- See page 31 for Printed Wiring Board.

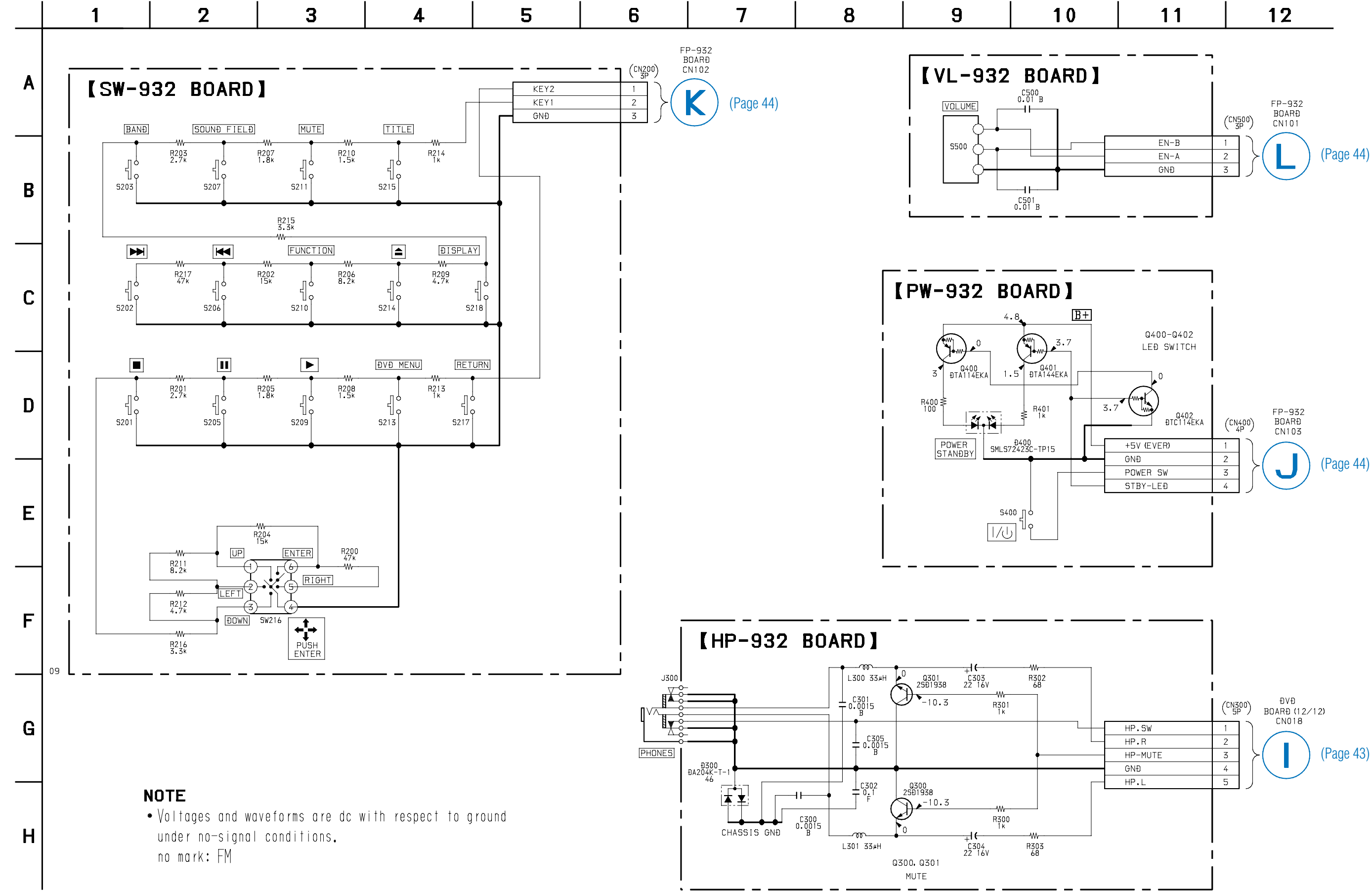




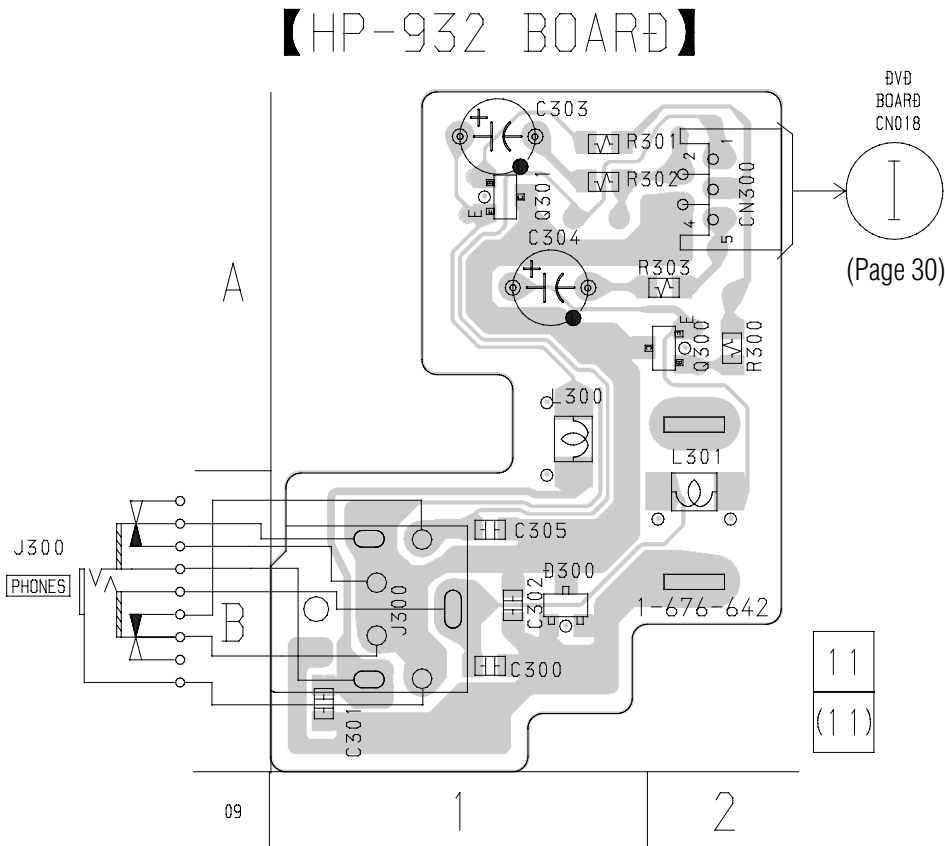
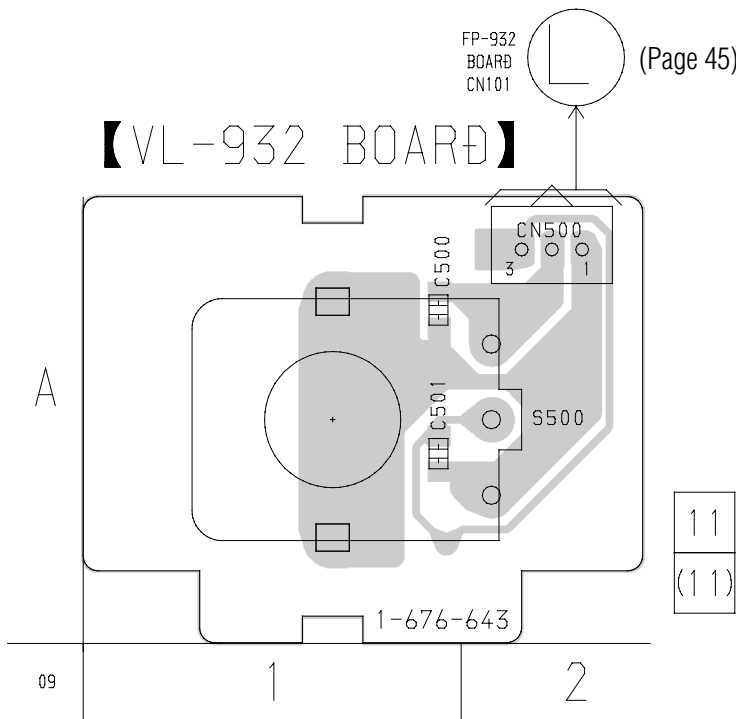
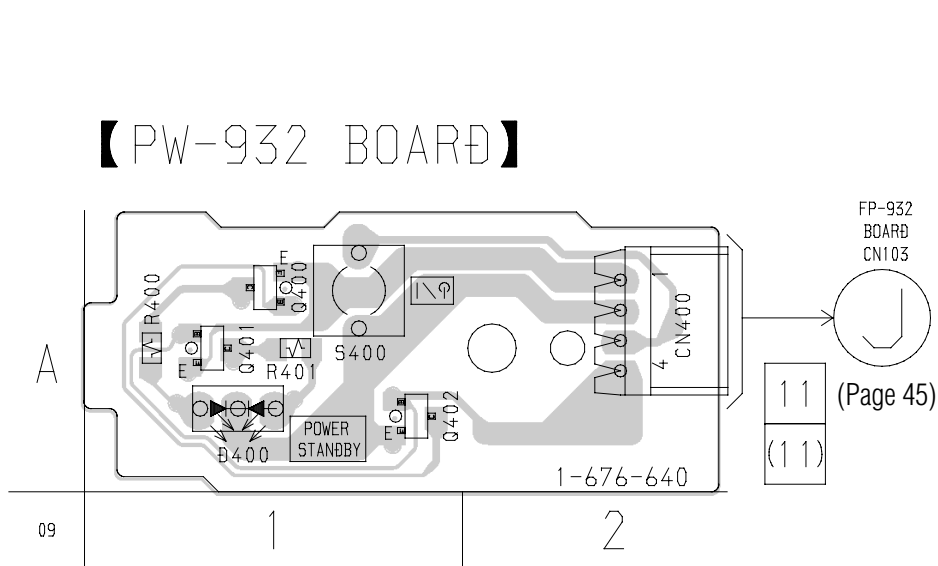
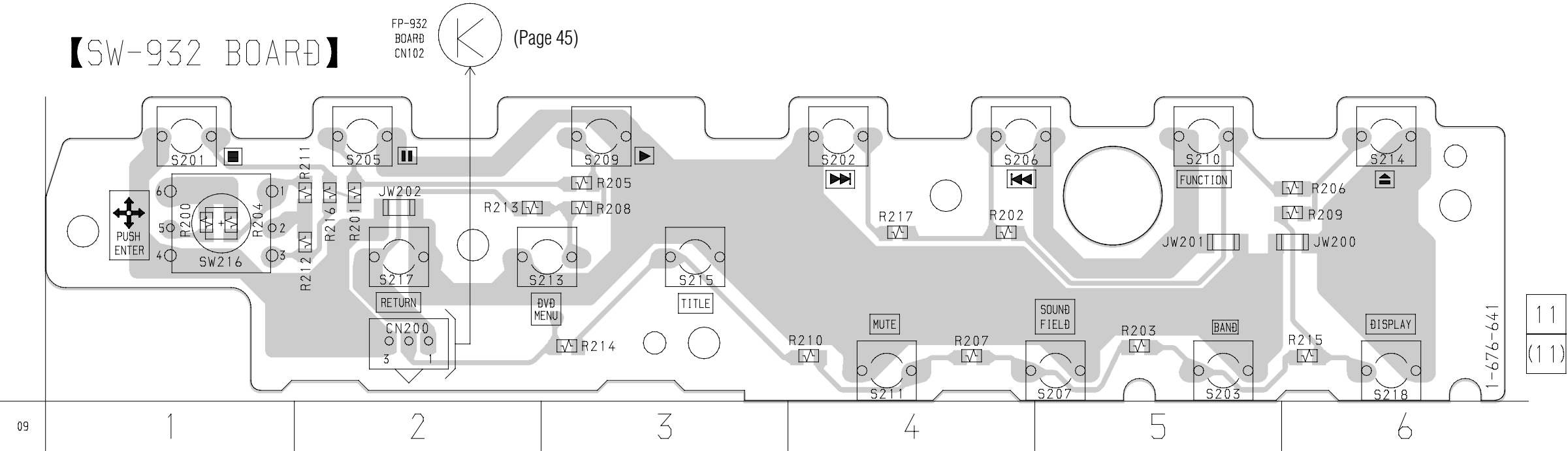
6-19. PRINTED WIRING BOARD – FRONT (1/2) SECTION –
 • See page 19 for Circuit Boards Location.



6-20. SCHEMATIC DIAGRAM – FRONT (2/2) SECTION –
• See page 20 for Waveforms.

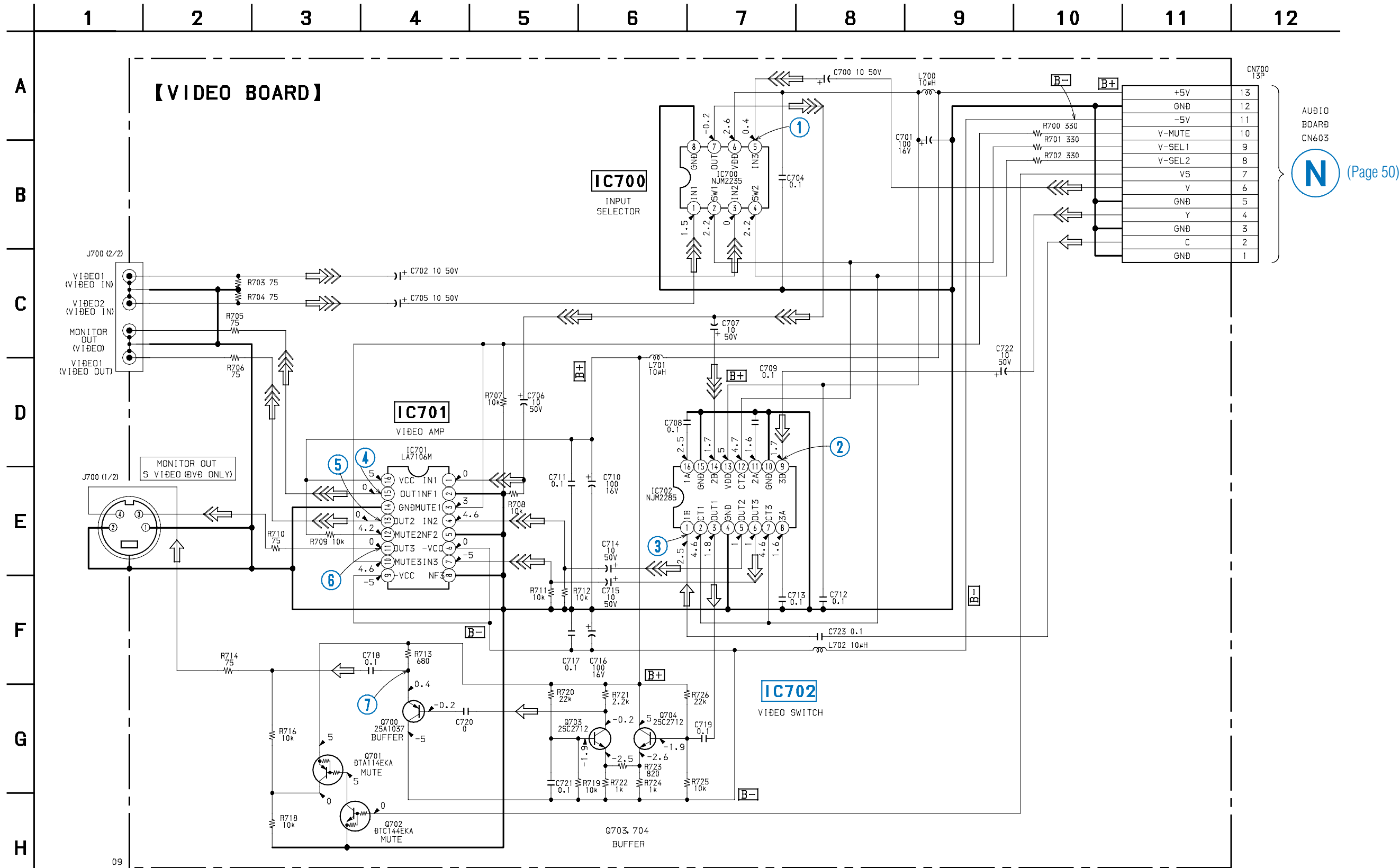


6-21. PRINTED WIRING BOARD – FRONT (2/2) SECTION –
• See page 19 for Circuit Boards Location.

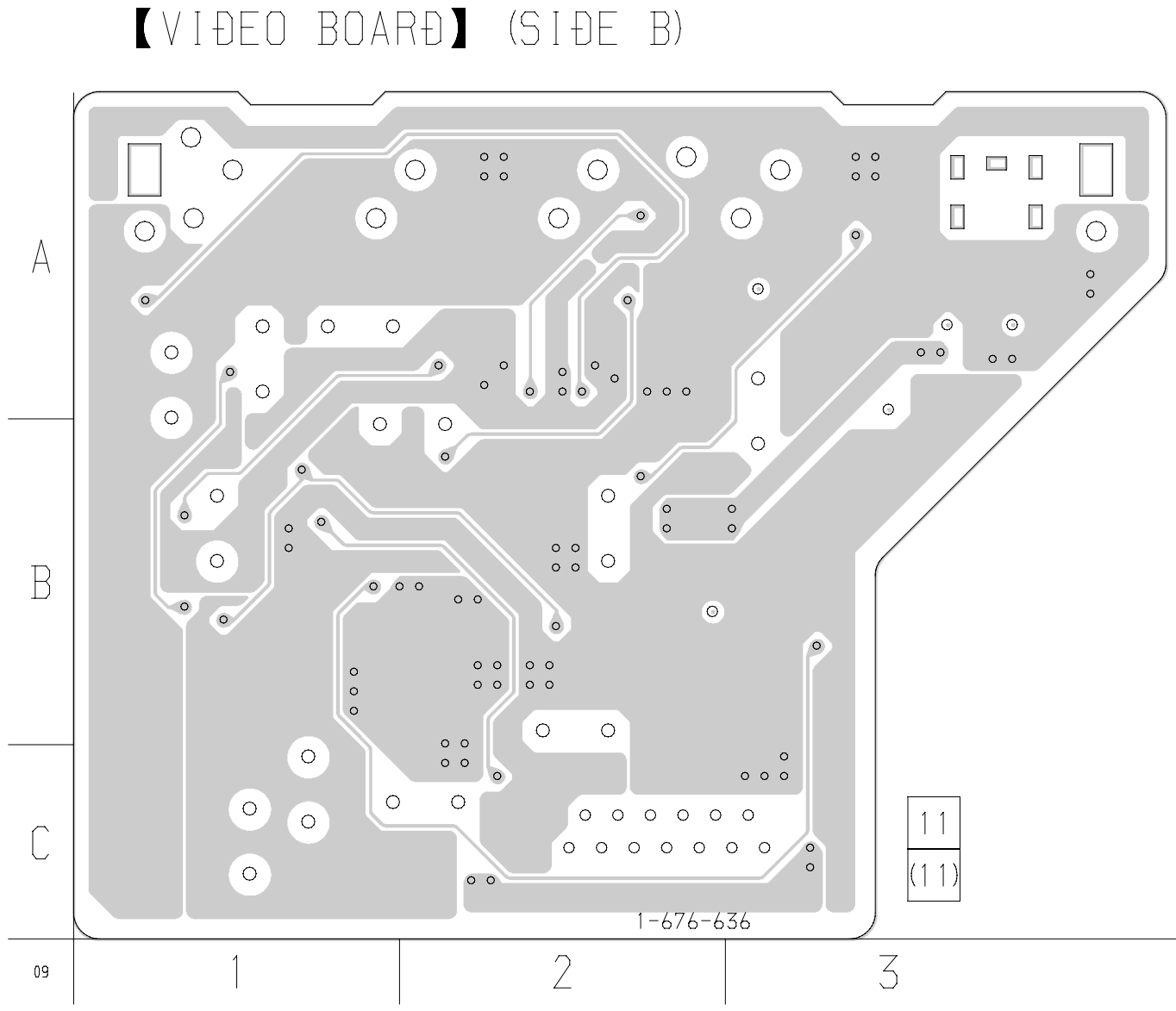
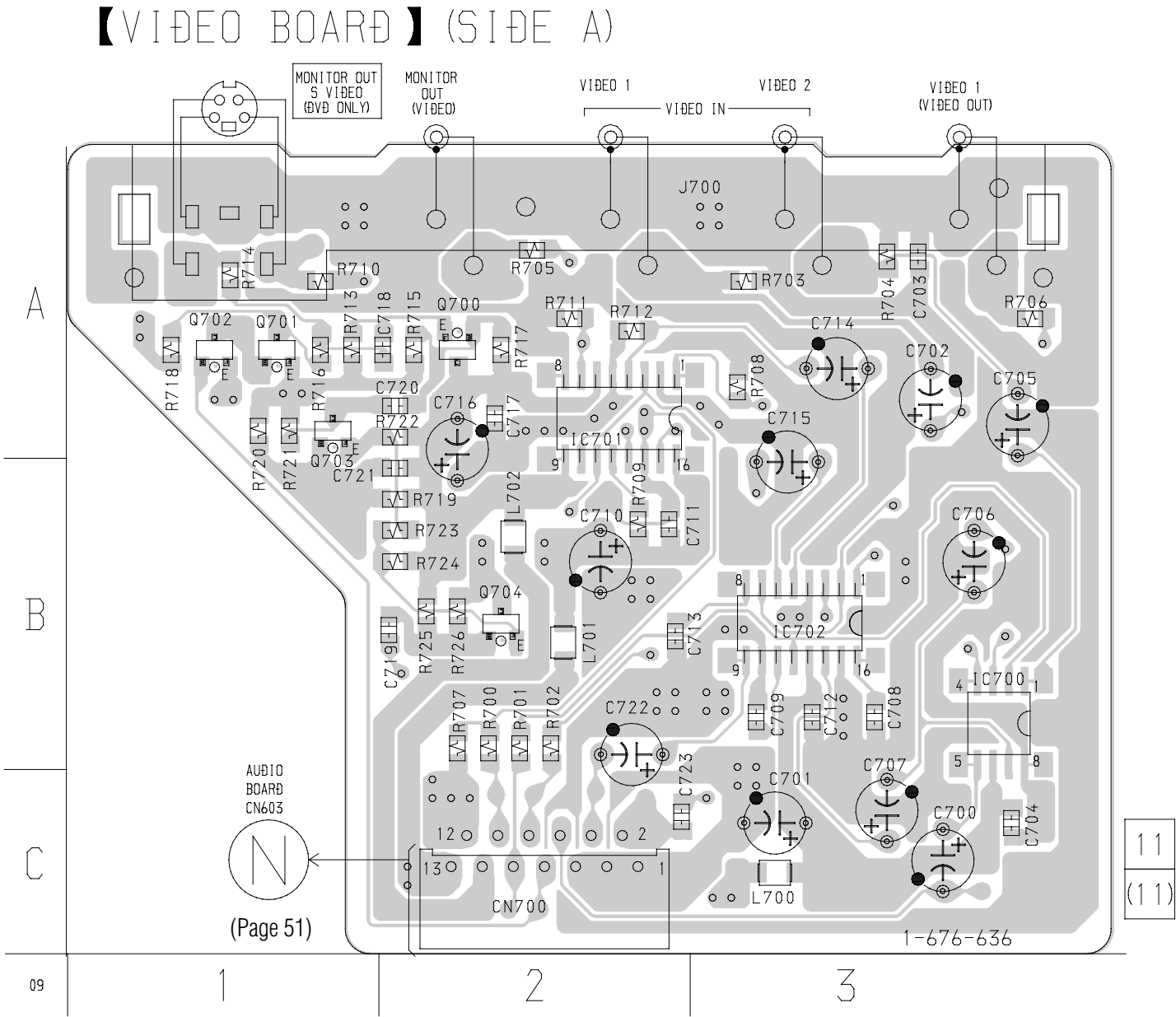


6-22. SCHEMATIC DIAGRAM – VIDEO SECTION –

- See page 20 for Waveforms.
- See page 66 for IC Block Diagrams.



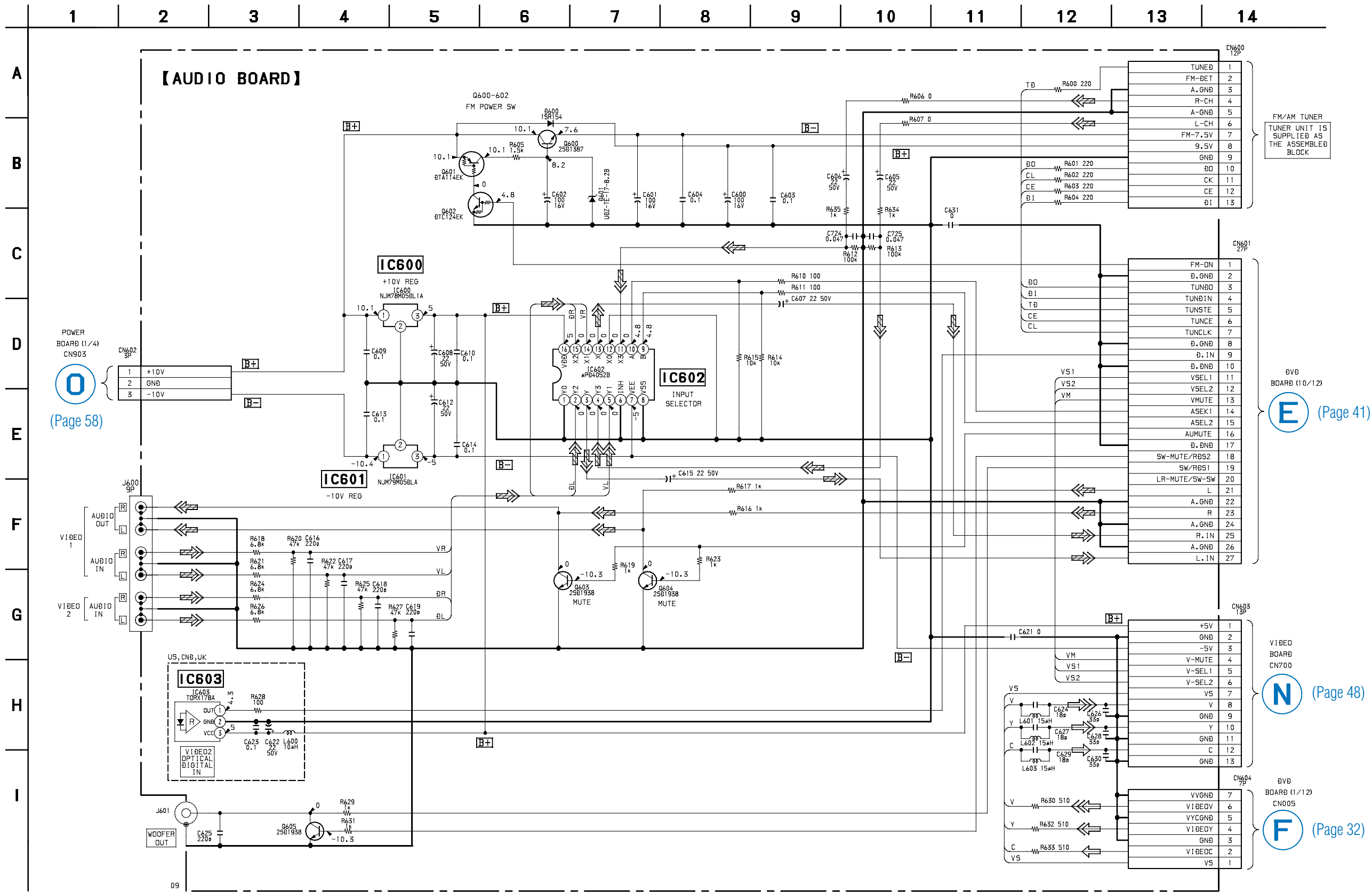
6-23. PRINTED WIRING BOARD – VIDEO SECTION –
• See page 19 for Circuit Boards Location.



• Semiconductor
Location

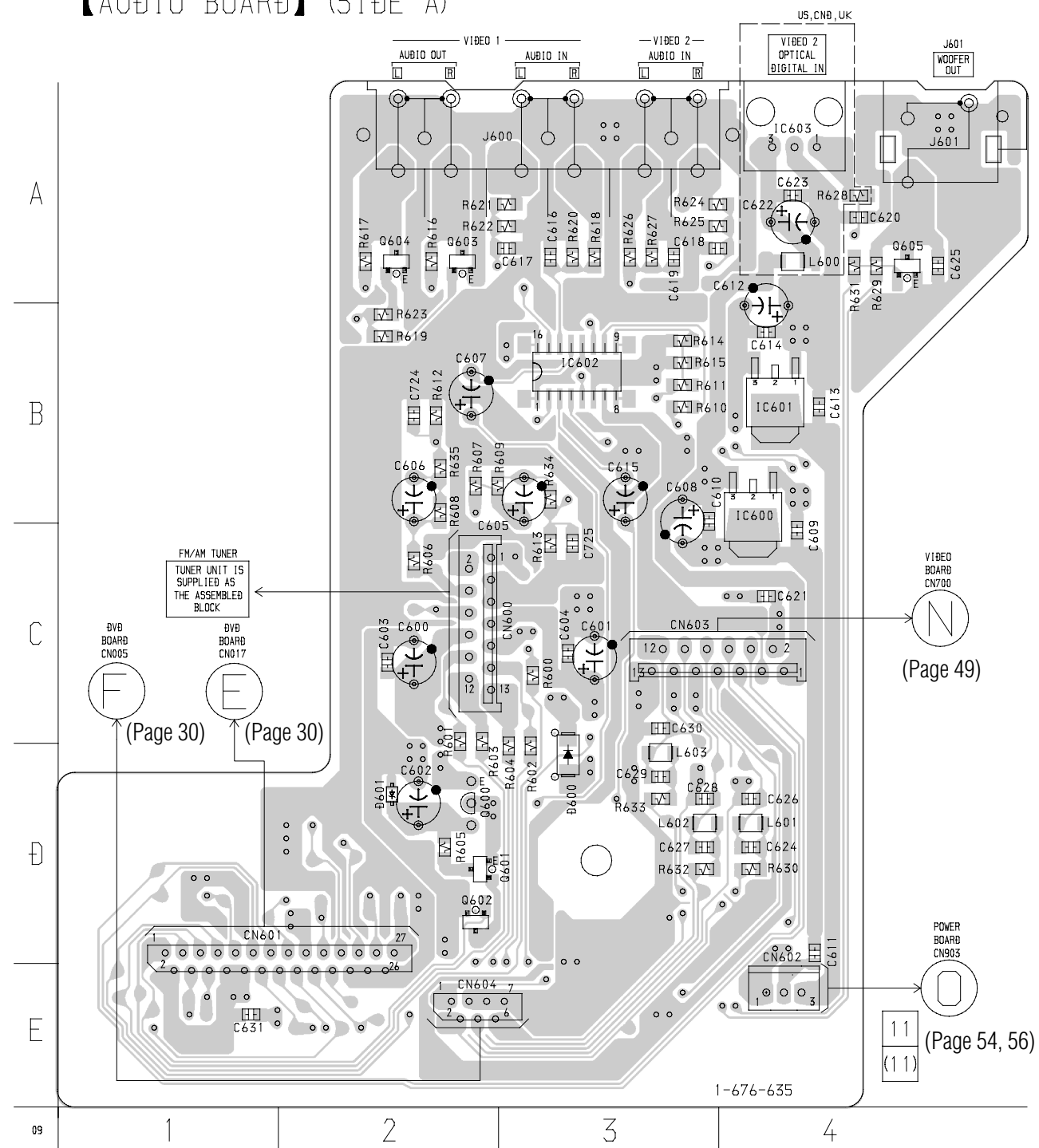
| Ref. No. | Location |
|----------|----------|
| IC700 | B-3 |
| IC701 | A-2 |
| IC702 | B-3 |
| Q700 | A-2 |
| Q701 | A-1 |
| Q702 | A-1 |
| Q703 | A-1 |
| Q704 | B-2 |

6-24. SCHEMATIC DIAGRAM – AUDIO SECTION –
• See page 20 for Waveforms.

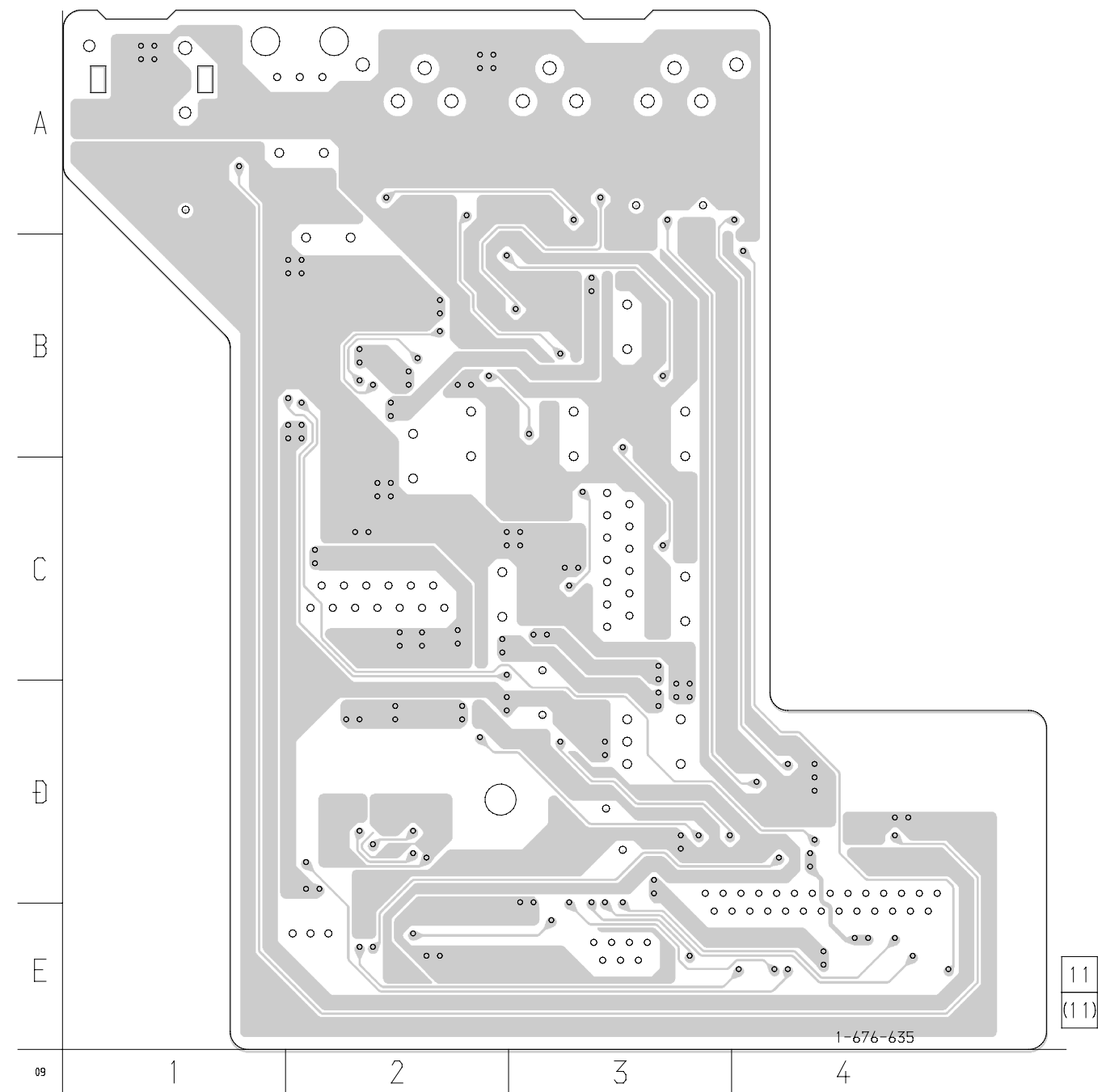


6-25. PRINTED WIRING BOARD – AUDIO SECTION –
• See page 19 for Circuit Boards Location.

【AUDIO BOARD】 (SIDE A)



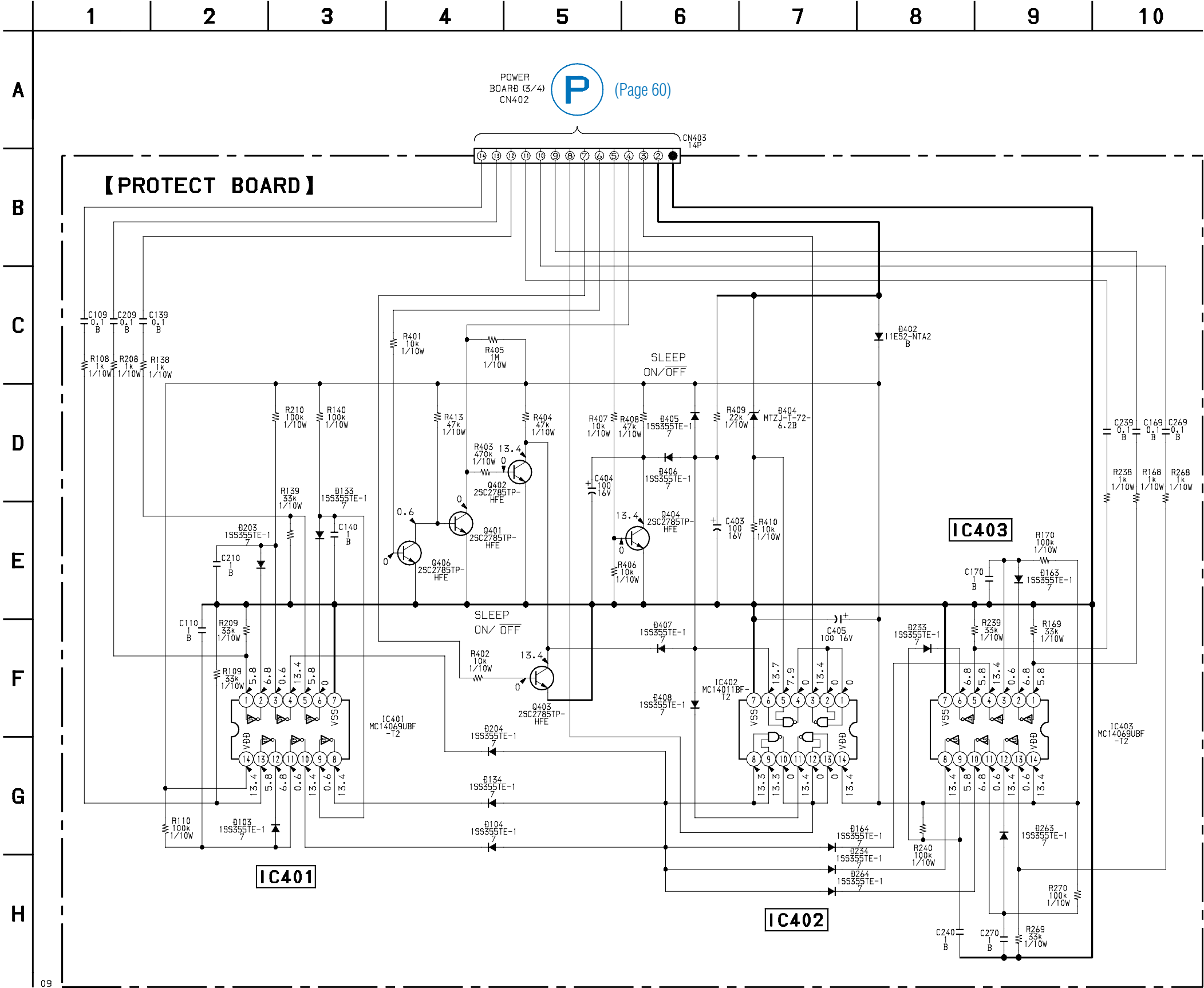
【AUDIO BOARD】 (SIDE B)



- **Semiconductor Location**

| Ref. No. | Location |
|----------|----------|
| D600 | D-3 |
| D601 | D-2 |
| IC600 | B-4 |
| IC601 | B-4 |
| IC602 | B-3 |
| IC603 | A-4 |
| Q600 | D-2 |
| Q601 | D-2 |
| Q602 | D-2 |
| Q603 | A-2 |
| Q604 | A-2 |
| Q605 | A-4 |

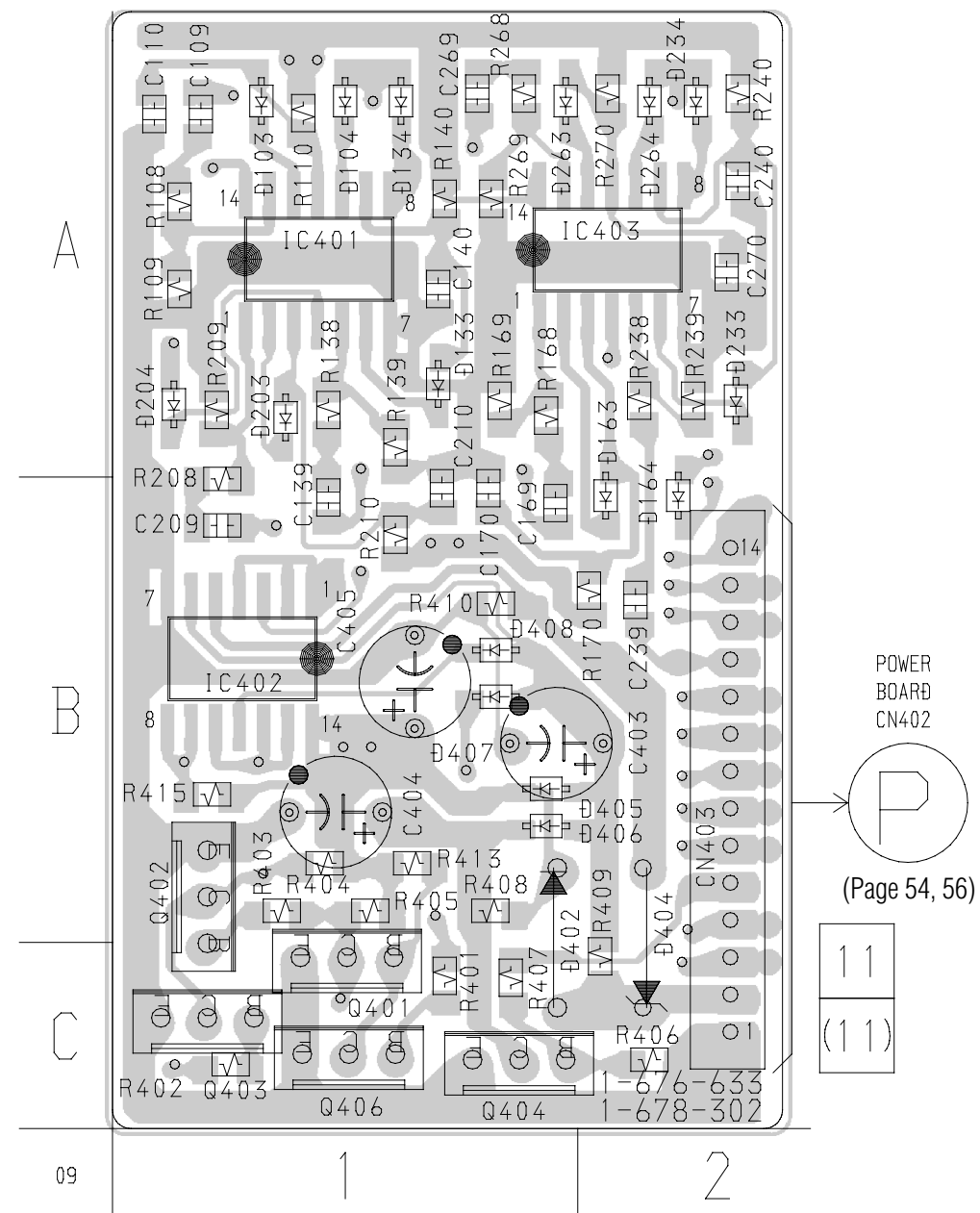
6-26. SCHEMATIC DIAGRAM – PROTECT SECTION –
• See page 20 for Waveforms.



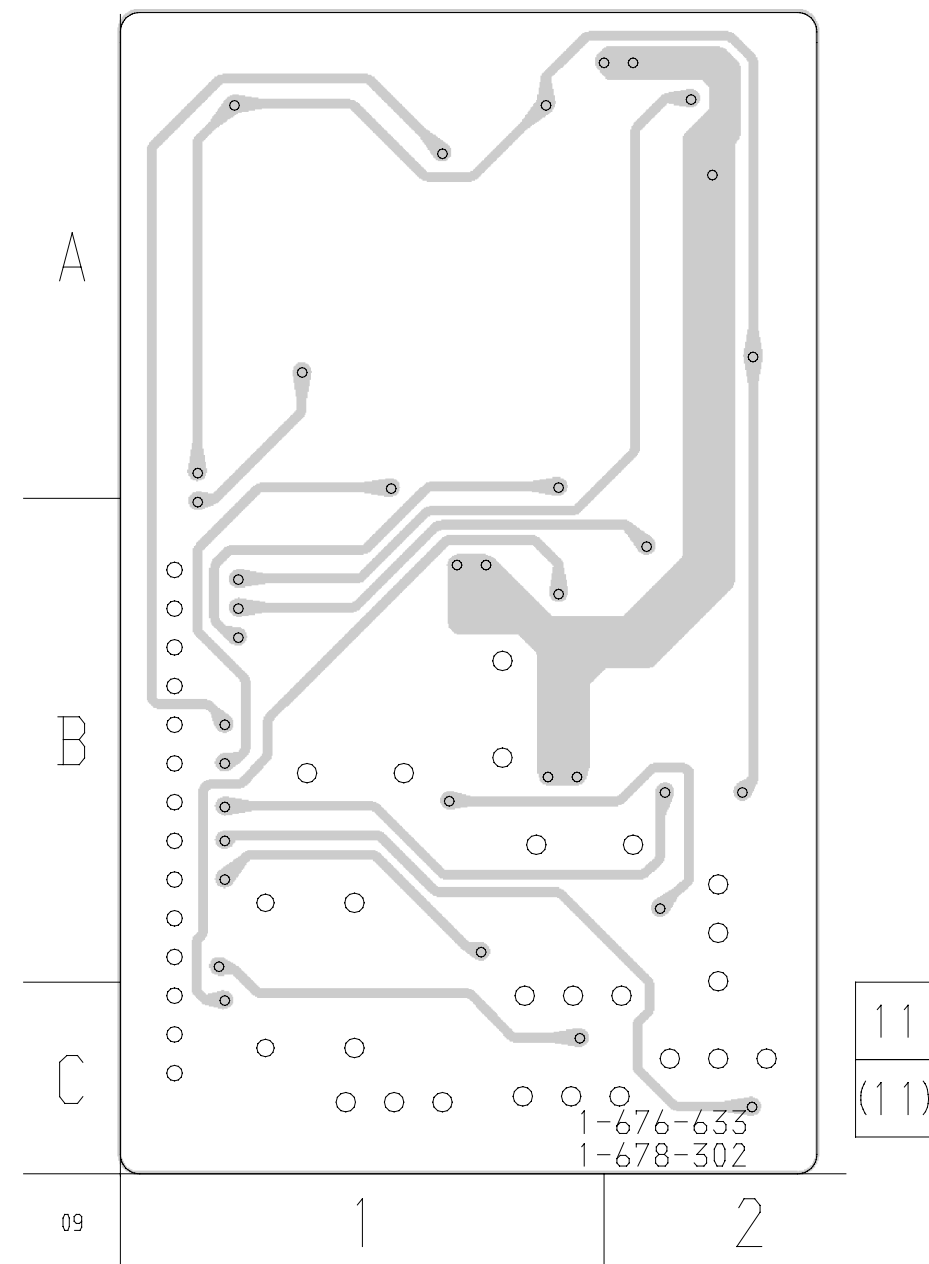
NOTE
• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark: FM

6-27. PRINTED WIRING BOARD – PROTECT SECTION –
 • See page 19 for Circuit Boards Location.

【PROTECT BOARD】(SIDE A)



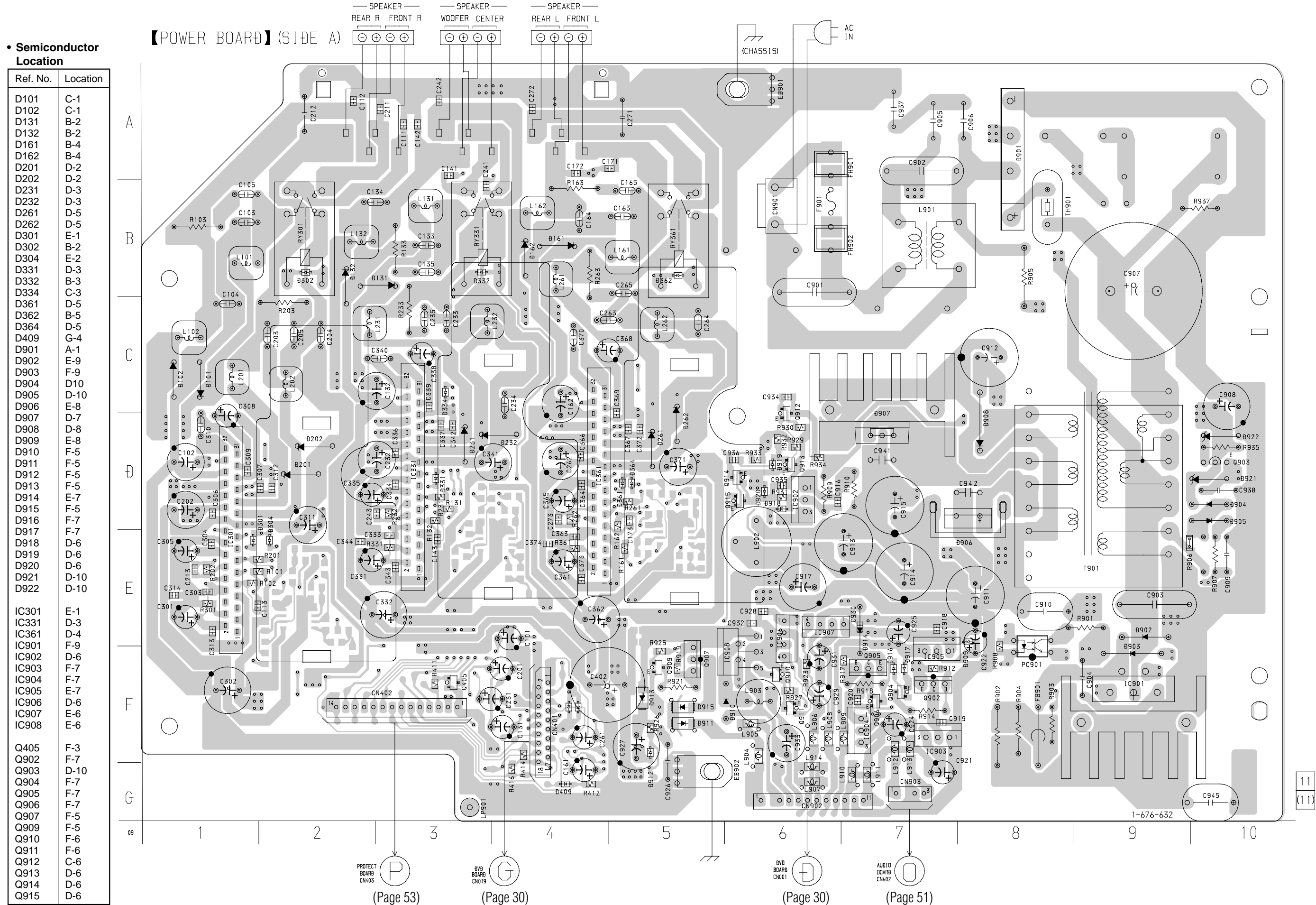
【PROTECT BOARD】(SIDE B)



| • Semiconductor Location | |
|--------------------------|----------|
| Ref. No. | Location |
| D103 | A-1 |
| D104 | A-1 |
| D133 | A-1 |
| D134 | A-1 |
| D163 | B-2 |
| D164 | B-2 |
| D203 | A-1 |
| D204 | A-1 |
| D233 | A-2 |
| D234 | A-2 |
| D263 | A-1 |
| D264 | A-2 |
| D402 | B-1 |
| D405 | B-1 |
| D406 | B-1 |
| D407 | B-1 |
| D408 | B-1 |
| IC401 | A-1 |
| IC402 | B-1 |
| IC403 | A-2 |
| Q401 | C-1 |
| Q402 | B-1 |
| Q403 | C-1 |
| Q404 | C-1 |
| Q406 | C-1 |

6-28. PRINTED WIRING BOARD – POWER (US,CND ONLY) SECTION –
• See page 19 for Circuit Boards Location.

| • Semiconductor Location | |
|--------------------------|----------|
| Ref. No. | Location |
| D101 | C-1 |
| D102 | C-1 |
| D131 | B-2 |
| D132 | B-2 |
| D161 | B-4 |
| D162 | B-4 |
| D201 | D-2 |
| D202 | D-2 |
| D231 | D-3 |
| D232 | D-3 |
| D261 | D-5 |
| D262 | D-5 |
| D301 | E-1 |
| D302 | B-2 |
| D304 | E-2 |
| D331 | D-3 |
| D332 | B-3 |
| D334 | C-3 |
| D361 | D-5 |
| D362 | B-5 |
| D364 | D-5 |
| D409 | G-4 |
| D901 | A-1 |
| D902 | E-9 |
| D903 | F-9 |
| D904 | D10 |
| D905 | D-10 |
| D906 | E-8 |
| D907 | D-7 |
| D908 | D-8 |
| D909 | E-8 |
| D910 | F-5 |
| D911 | F-5 |
| D912 | F-5 |
| D913 | F-5 |
| D914 | E-7 |
| D915 | F-5 |
| D916 | F-7 |
| D917 | F-7 |
| D918 | D-6 |
| D919 | D-6 |
| D920 | D-6 |
| D921 | D-10 |
| D922 | D-10 |
| IC301 | E-1 |
| IC331 | D-3 |
| IC361 | D-4 |
| IC901 | F-9 |
| IC902 | D-6 |
| IC903 | F-7 |
| IC904 | F-7 |
| IC905 | E-7 |
| IC906 | D-6 |
| IC907 | E-6 |
| IC908 | E-6 |
| Q405 | F-3 |
| Q902 | F-7 |
| Q903 | D-10 |
| Q904 | F-7 |
| Q905 | F-7 |
| Q906 | F-7 |
| Q907 | F-5 |
| Q909 | F-5 |
| Q910 | F-6 |
| Q911 | F-6 |
| Q912 | C-6 |
| Q913 | D-6 |
| Q914 | D-6 |
| Q915 | D-6 |



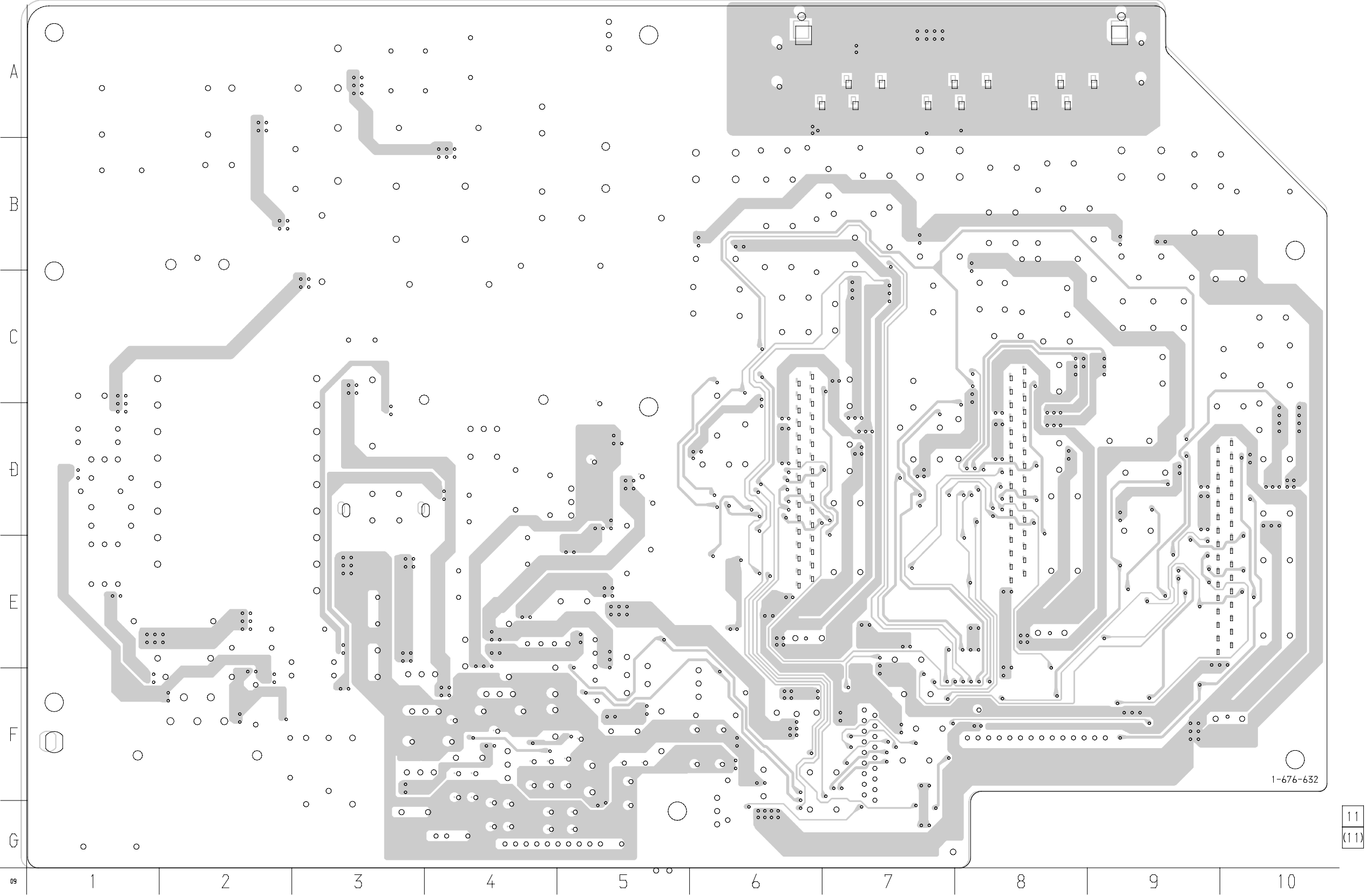
PROTECT BOARD
CN405
(Page 53)

DVD BOARD
CN019
(Page 30)

DVD BOARD
CN001
(Page 30)

AUDIO BOARD
CN602
(Page 51)

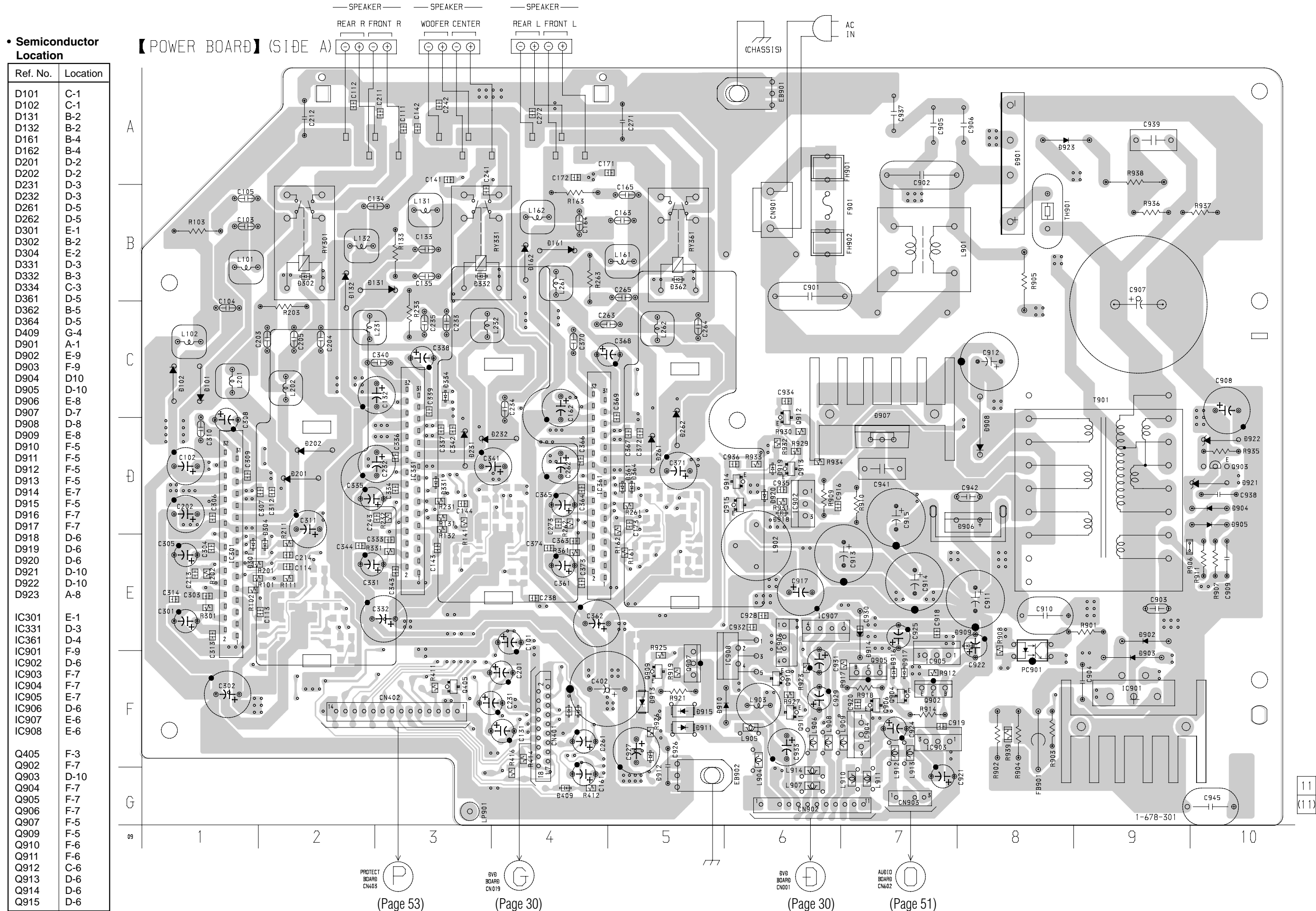
【POWER BOARD】(SIDE B)



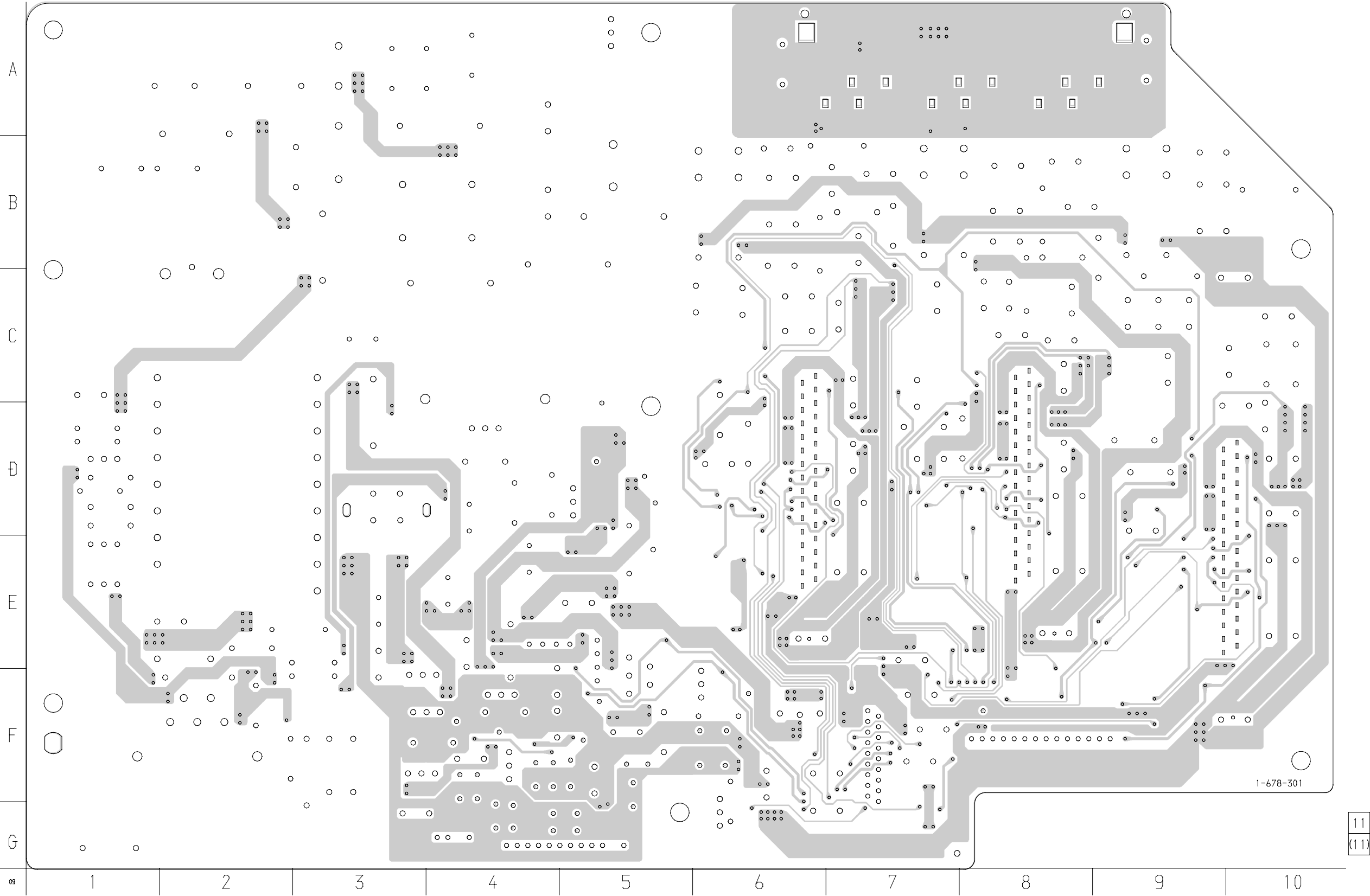
6-29. PRINTED WIRING BOARD – POWER (AEP, UK, SP, HK, E32, AUS ONLY) SECTION –
• See page 19 for Circuit Boards Location.

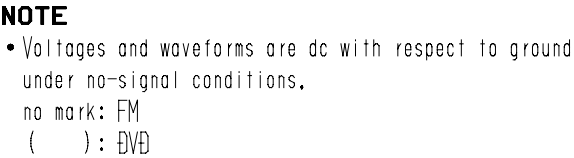
• Semiconductor Location

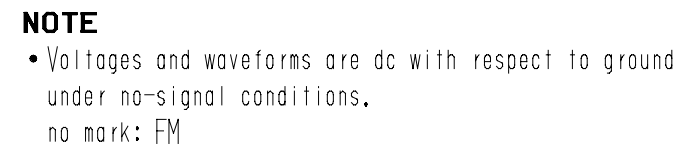
| Ref. No. | Location |
|----------|----------|
| D101 | C-1 |
| D102 | C-1 |
| D131 | B-2 |
| D132 | B-2 |
| D161 | B-4 |
| D162 | B-4 |
| D201 | D-2 |
| D202 | D-2 |
| D231 | D-3 |
| D232 | D-3 |
| D261 | D-5 |
| D262 | D-5 |
| D301 | E-1 |
| D302 | B-2 |
| D304 | E-2 |
| D331 | D-3 |
| D332 | B-3 |
| D334 | C-3 |
| D361 | D-5 |
| D362 | B-5 |
| D364 | D-5 |
| D409 | G-4 |
| D901 | A-1 |
| D902 | E-9 |
| D903 | F-9 |
| D904 | D10 |
| D905 | D-10 |
| D906 | E-8 |
| D907 | D-7 |
| D908 | D-8 |
| D909 | E-8 |
| D910 | F-5 |
| D911 | F-5 |
| D912 | F-5 |
| D913 | F-5 |
| D914 | E-7 |
| D915 | F-5 |
| D916 | F-7 |
| D917 | F-7 |
| D918 | D-6 |
| D919 | D-6 |
| D920 | D-6 |
| D921 | D-10 |
| D922 | D-10 |
| D923 | A-8 |
| IC301 | E-1 |
| IC331 | D-3 |
| IC361 | D-4 |
| IC901 | F-9 |
| IC902 | D-6 |
| IC903 | F-7 |
| IC904 | F-7 |
| IC905 | E-7 |
| IC906 | D-6 |
| IC907 | E-6 |
| IC908 | E-6 |
| Q405 | F-3 |
| Q902 | F-7 |
| Q903 | D-10 |
| Q904 | F-7 |
| Q905 | F-7 |
| Q906 | F-7 |
| Q907 | F-5 |
| Q909 | F-5 |
| Q910 | F-6 |
| Q911 | F-6 |
| Q912 | C-6 |
| Q913 | D-6 |
| Q914 | D-6 |
| Q915 | D-6 |



【POWER BOARD】(SIDE B)

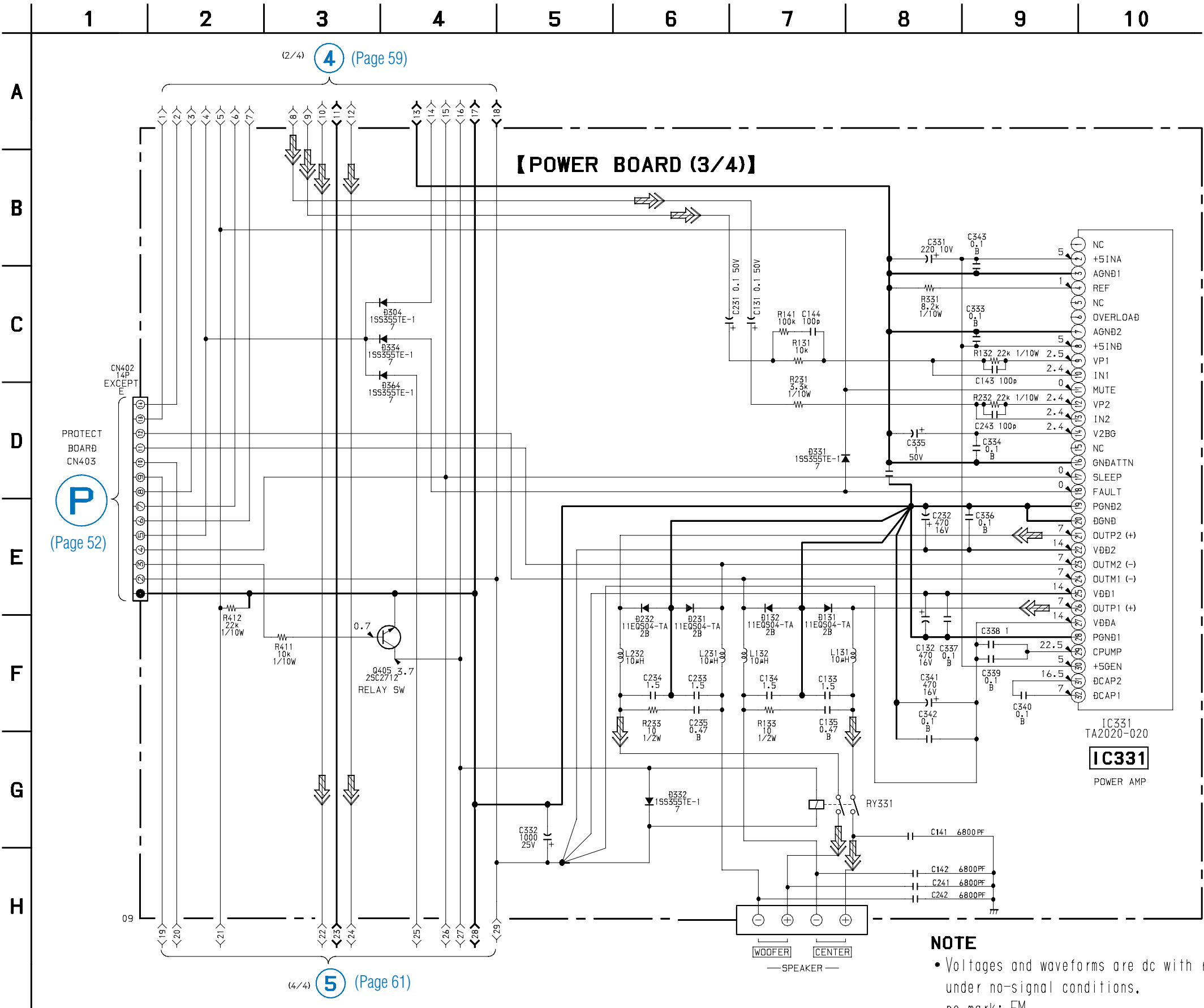


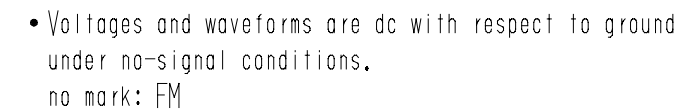




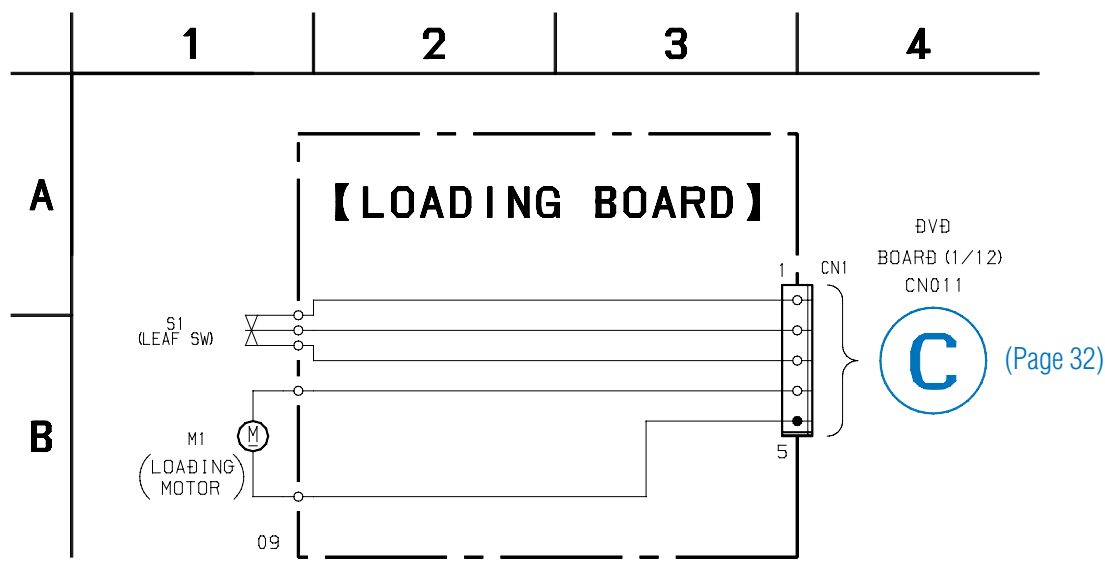
6-32. SCHEMATIC DIAGRAM – POWER (3/4) SECTION –

- See page 20 for Waveforms.
- See page 54 for Printed Wiring Board.

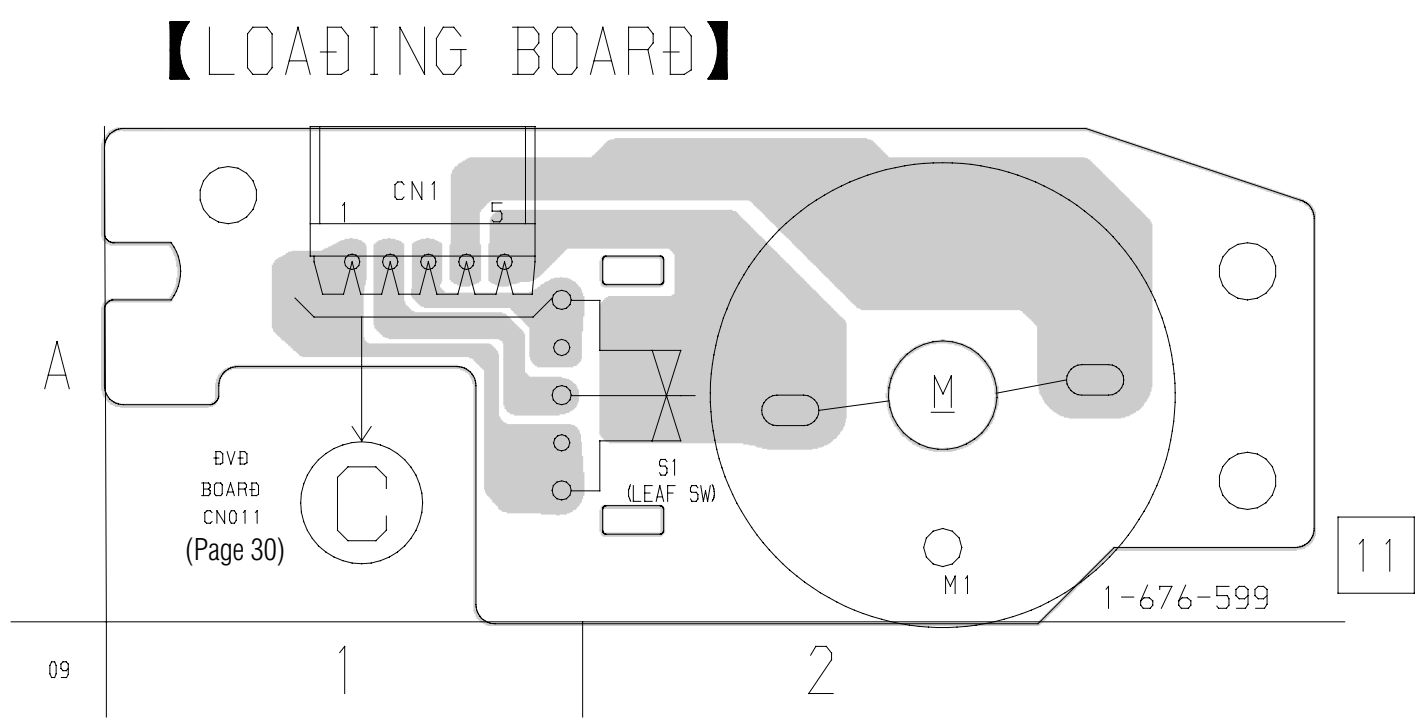




6-34. SCHEMATIC DIAGRAM – LOADING SECTION –
• See page 20 for Waveforms.



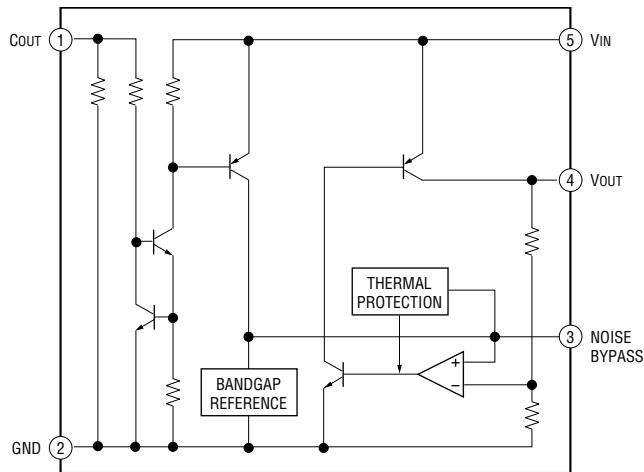
6-35. PRINTED WIRING BOARD – LOADING SECTION –
• See page 19 for Circuit Boards Location.



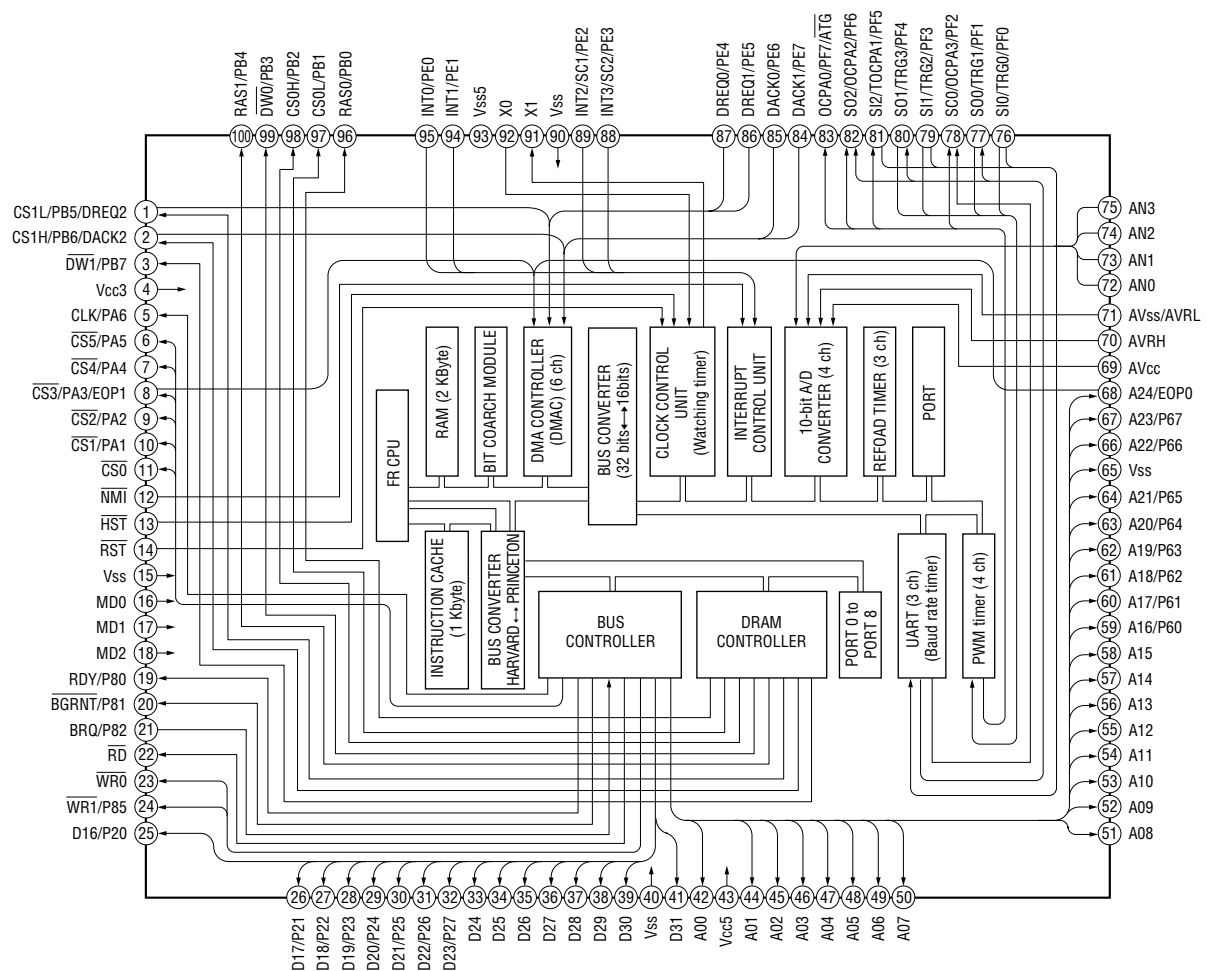
6-36. IC BLOCK DIAGRAMS

• DVD Board

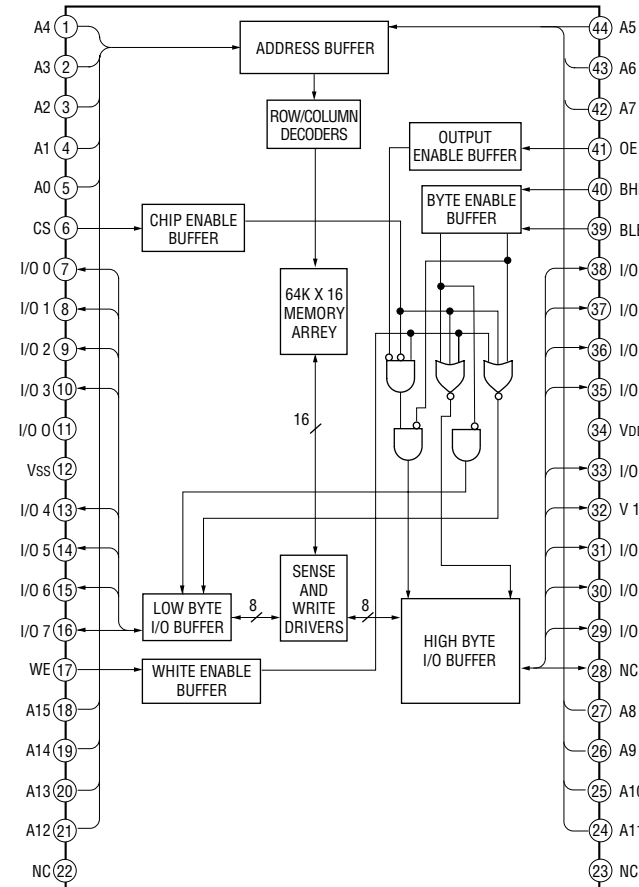
IC005, 404 NJM2370U33



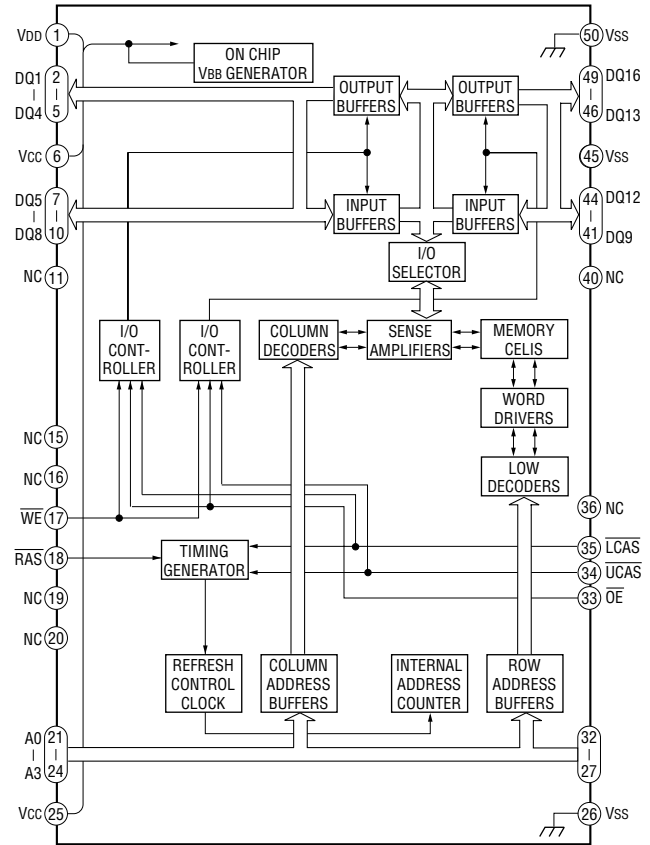
IC202 MB91101APFV



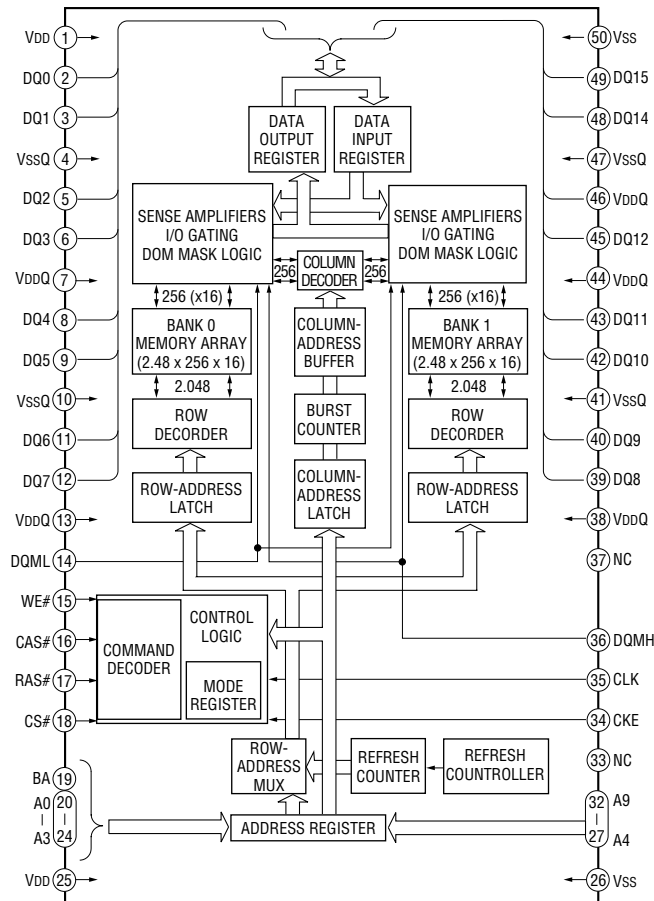
IC204 IDT71V016S20PHAU



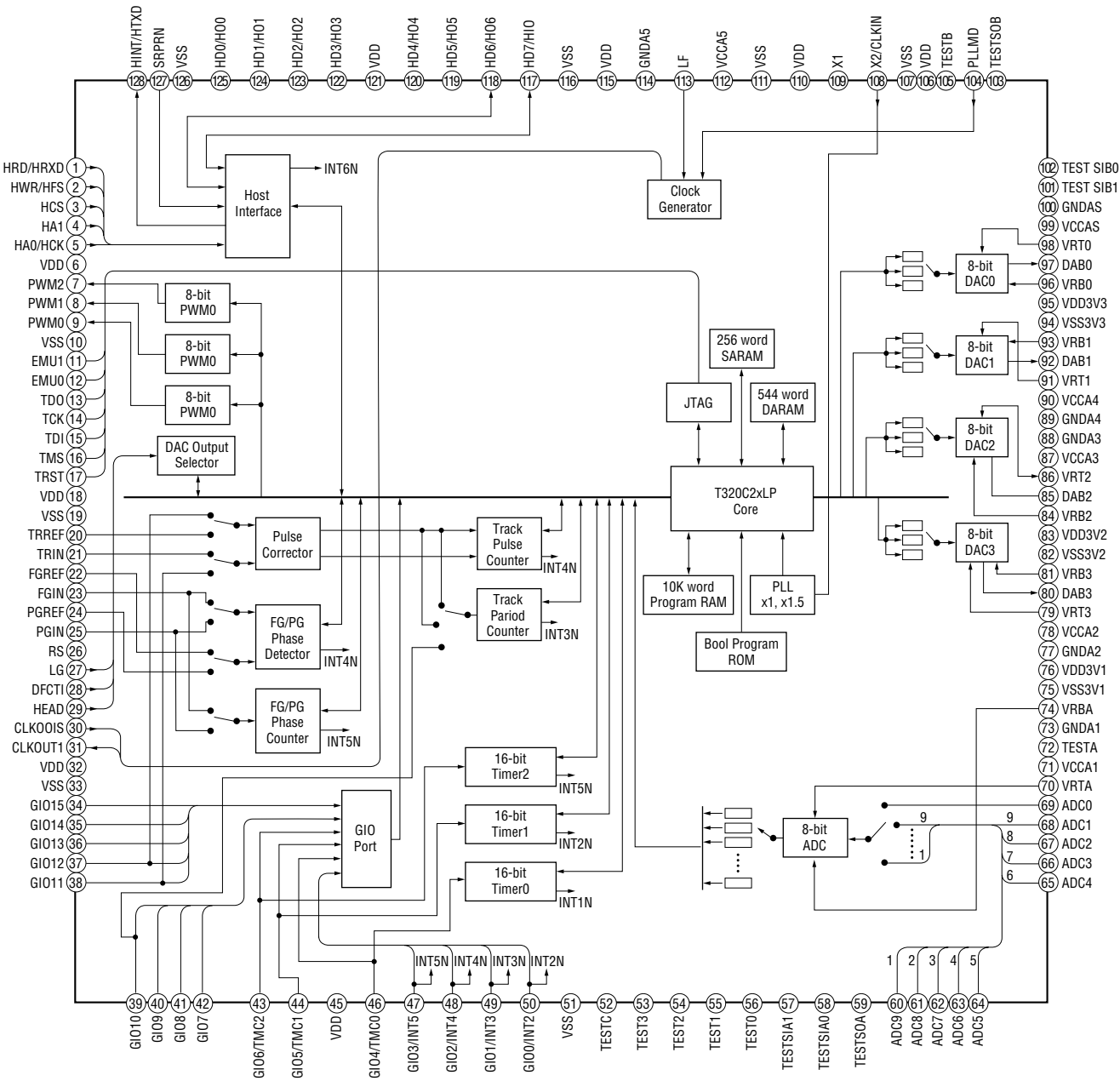
IC304 MSM51V1816



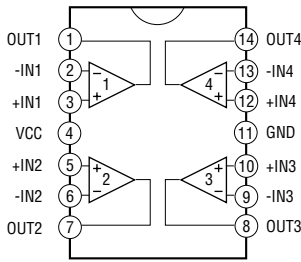
IC402, 403 MT48LC1M16A1TG



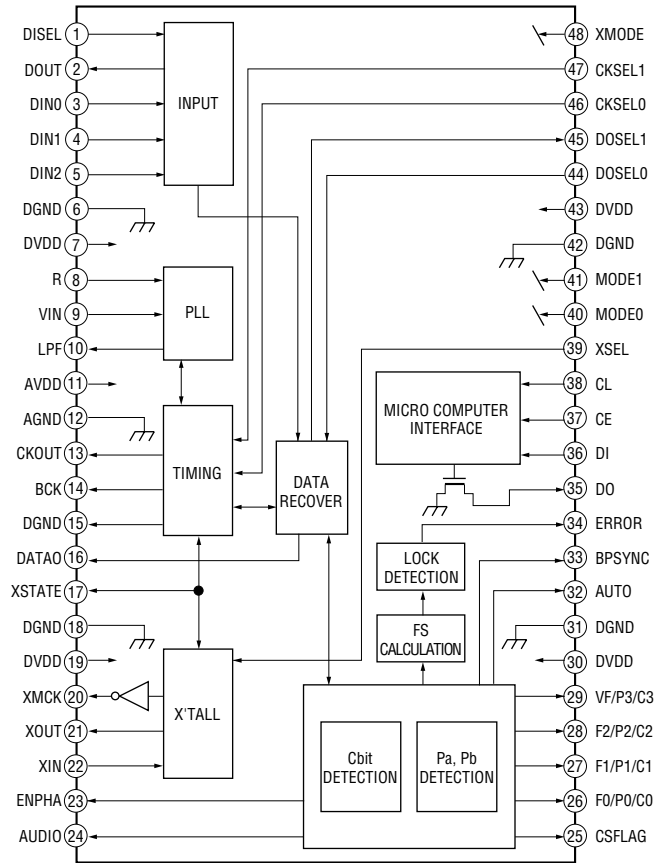
IC701 CXD8791AQ



IC803 BA10324AFV

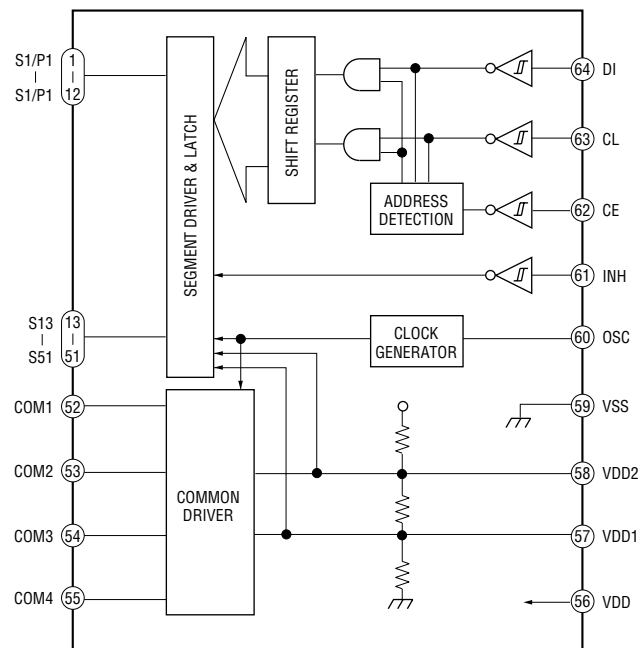


IC907 LC89055W-RA8



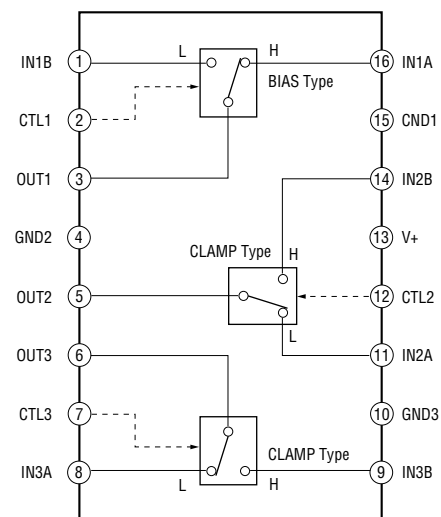
• FP-932 Board

IC100 LC75824E



• VIDEO Board

IC702 NJM2285



6-37. IC PIN FUNCTIONS

• IC202 DIGITAL SERVO & DIGITAL SIGNAL PROCESSOR (MB911101APFV-G-BND) (DVD Board)

| Pin No. | Pin Name | I/O | Function |
|---------|----------------|-----|---|
| 1 | DREQ2/PB5/CS1L | O | Analog filter gain control |
| 2 | DACK2/PB6/CS1H | O | VES gain control "H" : VES |
| 3 | PB7/DW1 | O | Rear CH boost "H" : rear boost |
| 4 | VCC3 | – | Power supply |
| 5 | PA6/CLK | O | CPU clock out (25 MHz) |
| 6 | PA5/CS5 | O | Not used |
| 7 | PA4/CS4 | O | Chip select signal for ARP, SERVO DSP and HGA |
| 8 | EOP1/PA3/CS3 | O | Chip select signal for SDRAM and AV DEC |
| 9 | PA2/CS2 | O | Chip select signal for REG and AV DEC |
| 10 | PA1/CS1 | O | Chip select signal for external SRAM |
| 11 | CS0 | O | Chip select signal for external FLASH ROM |
| 12 | NMI | I | Not used (fixed at "H") |
| 13 | HST | I | Not used (fixed at "H") |
| 14 | RST | I | Reset signal input from IF CON |
| 15 | GND | – | Ground |
| 16 | MD0 | I | Input of mode select 0 (fixed at "1") |
| 17 | MD1 | I | Input of mode select 1 (fixed at "0") |
| 18 | MD2 | I | Input of mode select 2 (fixed at "0") |
| 19 | P80/RDY | I | Wait signal input |
| 20 | P81/BGRNT | I | Test terminal (fixed at "H") |
| 21 | P82/BRQ | I | Test terminal (fixed at "L") |
| 22 | RD | O | Read enable signal output |
| 23 | WR0 | O | High byte write enable signal output (16 bit and 8 bit) |
| 24 | P85/WR1 | O | Low byte write enable signal output (16 bit only) |
| 25 | P20/D16 | I/O | Data bus D0 (16 bit) |
| 26 | P21/D17 | I/O | Data bus D1 (16 bit) |
| 27 | P22/D18 | I/O | Data bus D2 (16 bit) |
| 28 | P23/D19 | I/O | Data bus D3 (16 bit) |
| 29 | P24/D20 | I/O | Data bus D4 (16 bit) |
| 30 | P25/D21 | I/O | Data bus D5 (16 bit) |
| 31 | P26/D22 | I/O | Data bus D6 (16 bit) |
| 32 | P27/D23 | I/O | Data bus D7 (16 bit) |
| 33 | D24 | I/O | Data bus D8 (16 bit), D0 (8 bit) |
| 34 | D25 | I/O | Data bus D9 (16 bit), D1 (8 bit) |
| 35 | D26 | I/O | Data bus D10 (16 bit), D2 (8 bit) |
| 36 | D27 | I/O | Data bus D11 (16 bit), D3 (8 bit) |
| 37 | D28 | I/O | Data bus D12 (16 bit), D4 (8 bit) |
| 38 | D29 | I/O | Data bus D13 (16 bit), D5 (8 bit) |
| 39 | D30 | I/O | Data bus D14 (16 bit), D6 (8 bit) |
| 40 | GND | – | Ground |
| 41 | D31 | I/O | Data bus D15 (16 bit), D7 (8 bit) |
| 42 | A00 | – | Address bus A0 |
| 43 | VCC5 | O | Power supply |
| 44 | A01 | O | Address bus A1 |
| 45 | A02 | O | Address bus A2 |
| 46 | A03 | O | Address bus A3 |
| 47 | A04 | O | Address bus A4 |
| 48 | A05 | O | Address bus A5 |
| 49 | A06 | O | Address bus A6 |
| 50 | A07 | O | Address bus A7 |

| Pin No. | Pin Name | I/O | Function |
|---------|---------------|-----|---|
| 51 | A08 | O | Address bus A8 |
| 52 | A09 | O | Address bus A9 |
| 53 | A10 | O | Address bus A10 |
| 54 | A11 | O | Address bus A11 |
| 55 | A12 | O | Address bus A12 |
| 56 | A13 | O | Address bus A13 |
| 57 | A14 | O | Address bus A14 |
| 58 | A15 | O | Address bus A15 |
| 59 | A16/P60 | O | Address bus A16 |
| 60 | A17/P61 | O | Address bus A17 |
| 61 | A18/P62 | O | Address bus A18 |
| 62 | A19/P63 | O | Address bus A19 |
| 63 | A20/P64 | O | Address bus A20 |
| 64 | A21/P65 | O | Address bus A21 |
| 65 | GND | – | Ground |
| 66 | A22/P66 | O | PLL IC control output “H” : DOUBLE |
| 67 | A23/P67 | I | DIAG mode signal input “L” : DIAG |
| 68 | A24/EOP0 | I | Not used |
| 69 | AVCC | – | Power supply |
| 70 | AVRH | – | Reference power supply (+3.3 V) |
| 71 | AVSS/AVRL | – | Ground |
| 72 | AN0 | I | Set of mode 0 |
| 73 | AN1 | I | Set of mode 1 |
| 74 | AN2 | I | Set of mode 2 |
| 75 | AN3 | I | Set of mode 3 (fixed at “H”) |
| 76 | SI0/TRG0/PF0 | I | Serial data input from IF CON and EEPROM |
| 77 | SI1/TRG1/PF1 | O | Serial data output to IF CON and EEPROM |
| 78 | SC0/PF2/OCPA3 | O | Serial clock output to IF CON and EEPROM |
| 79 | SI1/TRG2/PF3 | I | Serial bus 1 (for data input) |
| 80 | SO1/TRG3/PF4 | O | Serial bus 1 (for data output) |
| 81 | SI2/PF5/OCPA1 | I | Serial bus 2 (for data input) |
| 82 | SO2/PF6/OCPA2 | O | Serial bus 2 (for data output) |
| 83 | PF7/OCPA0/ATG | O | Reset signal output |
| 84 | DACK1/PE7 | O | Output of DMA-ACK 0 to AV DEC |
| 85 | DACK0/PE0 | O | Output of DMA-ACK 1 to AV DEC |
| 86 | DREQ1/PE5 | I | Input of DMA-REQ 0 from AV DEC |
| 87 | DREQ0/PE4 | I | Input of DMA-REQ 1 from AV DEC |
| 88 | INT3/PE3/SC2 | I | Input of interrupt from HGA |
| 89 | INT2/PE2/SC1 | O | Serial clock output |
| 90 | VSS | – | Ground |
| 91 | X1 | O | Clock output (12.5 MHz) |
| 92 | X0 | I | Clock input (12.5 MHz) |
| 93 | VCC5 | – | Power supply |
| 94 | INT1/PE1 | I | Input of interrupt ARP and SERVO DSP |
| 95 | INT0/PE0 | I | Input of interrupt from AV DEC |
| 96 | RAS0/PB0 | I | Rear panel lime input select (“H” : DISC “L” : EXT) |
| 97 | CS0L/PB1 | O | Chip select signal to IF CON |
| 98 | CS0H/PB2 | O | Chip select signal to DAC (Lt and Rt) |
| 99 | DW0/PB3 | O | Chip select signal to DAC (L and R) |
| 100 | RAS1/PB4 | O | DVD/CD select (“H” : 44.1 kHz “L” : 48 kHz) |

• IC903 I/F MICROCOMPUTER (M30622MA-A33FP) (DVD Board)

| Pin No. | Pin Name | I/O | Function |
|---------|--------------|-----|---|
| 1 | IFSIO | O | Data output for SYS COM |
| 2 | IFSCO | I | Clock input for SYS COM |
| 3 | YSSCSB | O | Chip select for SUB DSP (YSS912) |
| 4 | YSS_CS | O | Chip select for MIN DSP (YSS912) |
| 5 | YSS_CI | O | Data output for DSP (YSS912) |
| 6 | YSS_SO | I | Data input for DSP (YSS912) |
| 7 | YSSCK | O | Clock for DSP (YSS912) |
| 8 | (GND) | – | Ground |
| 9 | CNVSS | – | CNVSS |
| 10 | YSSIC | O | Reset for DSP (YSS912) |
| 11 | AN/DIG | O | Analog/Digital |
| 12 | RESET | – | Reset |
| 13 | XOUT | – | 16 MHz |
| 14 | VSS | – | Ground |
| 15 | XIN | – | 16 MHz |
| 16 | VCC | – | +5 V |
| 17 | NMI | I | Not used |
| 18 | STOP | I | STOP input |
| 19 | ASEL1 | O | Analog select |
| 20 | ASEL2 | O | Analog select |
| 21 | AUMUTE | O | Audio mute |
| 22 | VMUTE | O | Video mute |
| 23 | ASEL1 | O | Video select |
| 24 | VSEL2 | O | Video select |
| 25 | D1/P1 | O | Dimmer |
| 26 | D2/P2 | O | Dimmer |
| 27 | P3 | I | Not used |
| 28 | P4 | I | Not used |
| 29 | NO USE | I | Not used |
| 30 | TSTPORT | I | Test port |
| 31 | TXD1 | O | For flash write |
| 32 | RXD1 | O | For flash write |
| 33 | CLK1 | O | For flash write |
| 34 | RTS1 | O | For flash write |
| 35 | FLDATA | O | Data output for IC100 (LC75824) |
| 36 | FLINH | O | Indicator lamp terminal for IC100 (LC75824) |
| 37 | FLCLK | O | Clock for IC100 (LC75824) |
| 38 | FL_CS | O | Chip select for IC100 (LC75824) |
| 39 | STBY | O | Standby LED |
| 40 | REAR-SW | O | Rear switch |
| 41 | HOLD | O | For flash write |
| 42 | SIRCS | I | SIRCS |
| 43 | F_RLT | O | Full relay |
| 44 | POWRY | O | Power relay |
| 45 | SWMODE/SLEEP | O | Sleep for digital amplifier |
| 46 | WR | O | For flash write |
| 47 | TUNCLK | O | Clock for LC72137 |
| 48 | TUNCE | O | Chip enable for LC72137 |
| 49 | TUNSTE | I | Stereo detection for LC72137 |
| 50 | FM750N | O | AM/FM switch for LC72137 |

| Pin No. | Pin Name | I/O | Function |
|---------|---------------|-----|---|
| 51 | TUN_DO | O | Data output for LC72137 |
| 52 | TUN_DI | I | Data input for LC72137 |
| 53 | TUNED | O | Tuning end for LC72137 |
| 54 | FAULT/BTCE1 | O | FAULT for digital amplifier |
| 55 | PROTECT/BTCE2 | O | PROTECT for digital amplifier |
| 56 | VOL_CE | O | Chip enable for IC507 (TC9482) |
| 57 | VOL_DAT | O | Data output for IC507 (TC9482) |
| 58 | VOL_CLK | O | Clock for IC507 (TC9482) |
| 59 | SWMUTE | O | Not used |
| 60 | CS_MUTE | O | Not used |
| 61 | LR_MUTE | O | Not used |
| 62 | VCC | – | +5 V |
| 63 | AMP_MUTE | O | Mute for digital amplifier |
| 64 | VSS | – | Ground |
| 65 | HP_MUTE | – | MUTE during head phone IN |
| 66 | HP_SW | I | Headphone IN/OUT |
| 67 | S_MUTE | O | Soft mute for IC906 (AK4527) |
| 68 | PD | O | Reset for IC906 (AK4527) |
| 69 | CDT1 | O | Data output for IC906 (AK4527) |
| 70 | CLK | O | Clock for IC906 (AK4527) |
| 71 | CS | O | Chip select for IC906 (AK4527) |
| 72 | RDS1 | O | Not used |
| 73 | IF_OK | O | SYS COM data transmission/reception use |
| 74 | XVIFCS | I | SYS COM data transmission use |
| 75 | RDS2 | I | Not used |
| 76 | XFIFNT | O | SYS COM data transmission start use |
| 77 | XFRRST | O | Reset for SYS COM |
| 78 | DVDPOW | O | Power ON/OFF for SYS COM |
| 79 | MODEL4 | I | Distinguishing destination |
| 80 | MODEL3 | I | Distinguishing destination |
| 81 | MODEL2 | I | Distinguishing destination |
| 82 | DIRXMD | O | Reset for IC907 (LC89055) |
| 83 | DIRCLK | O | Clock for IC907 (LC89055) |
| 84 | DIRLAT | O | Latch for IC907 (LC89055) |
| 85 | DIRWRT | O | Data output for IC907 (LC89055) |
| 86 | DIRRDT | I | Data input for IC907 (LC89055) |
| 87 | DIRERR | I | Error for IC907 (LC89055) |
| 88 | ZERO | I | ZERO data for IC907 (LC89055) |
| 89 | NO USE | I | Not used |
| 90 | +3.3V | I | Not used |
| 91 | +5V | I | Not used |
| 92 | Key 2 | I | KEY input |
| 93 | Key 1 | I | KEY input |
| 94 | ENB | I | Encoder |
| 95 | ENA | I | Encoder |
| 96 | AVSS | – | Ground for AD |
| 97 | NO USE | I | Not used |
| 98 | VREF | – | +5 V for AD |
| 99 | AVCC | – | +5 V for AD |
| 100 | IFSDO | I | Data input for SYS COM |

SECTION 7 EXPLODED VIEWS

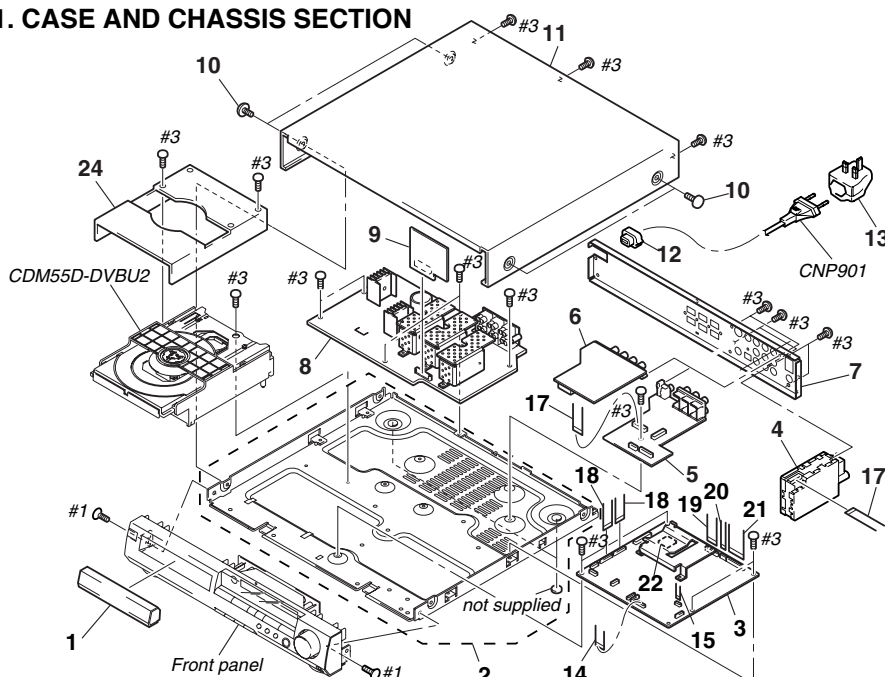
Ver 1.4 2002.12

NOTE:

- XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Color Indication of Appearance Parts Example:
KNOB, BALANCE (WHITE) . . . (RED)

↑ ↑
Parts color Cabinets color

7-1. CASE AND CHASSIS SECTION



- Abbreviation
- CND : Canadian model
- AUS : Australian model
- SP : Singapore model
- HK : Hong Kong model
- CH : Chinese model
- E32 : Central & South America model
- CEN : AC230V area
- MX : Mexican
- RU : Russian
- CEU : East European & Russian
- E12 : AC220-230V area
- EA3 : Saudi Arabia
- KR : Korean
- TW : Taiwan

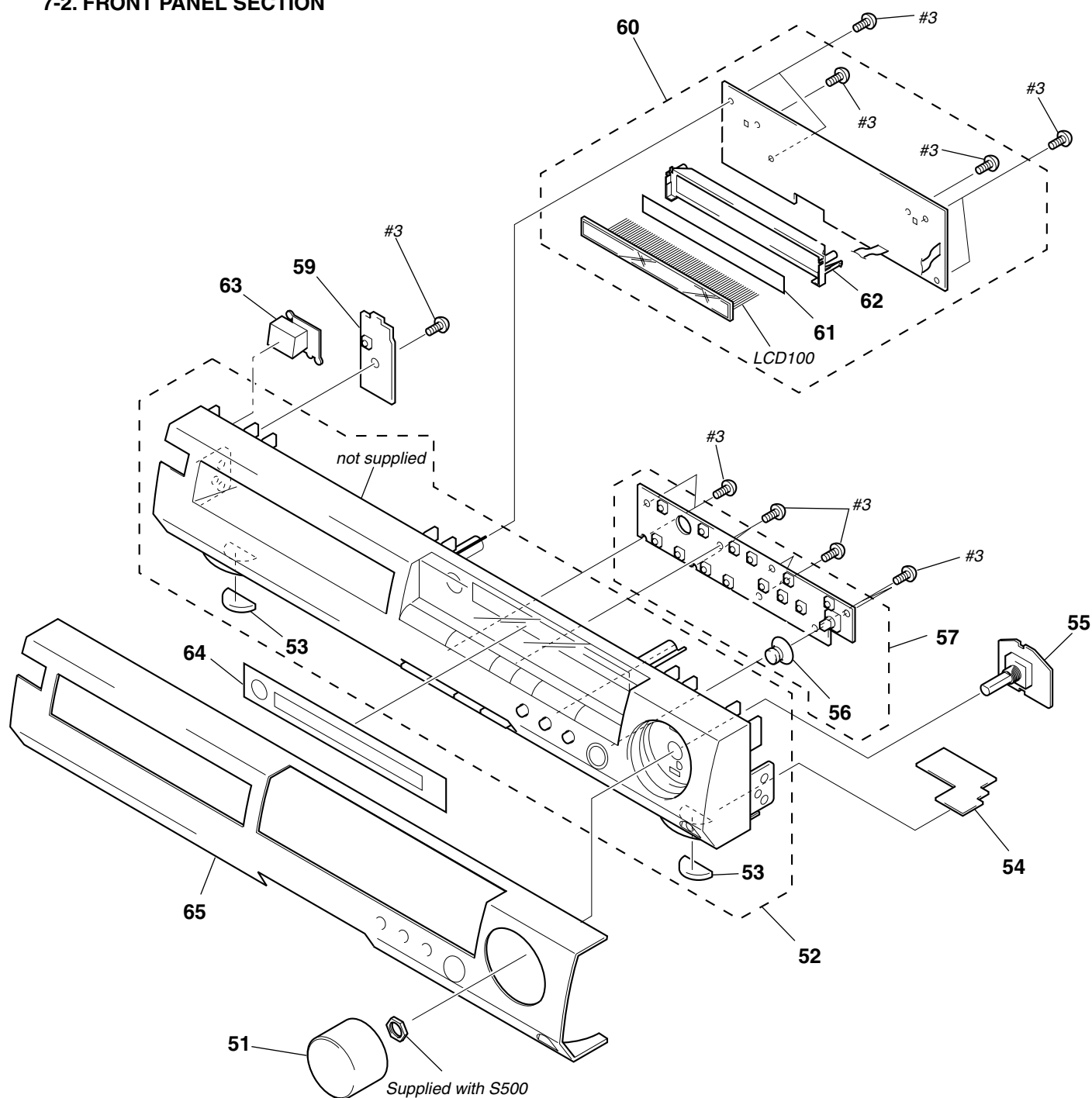
以阴影和△标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

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.

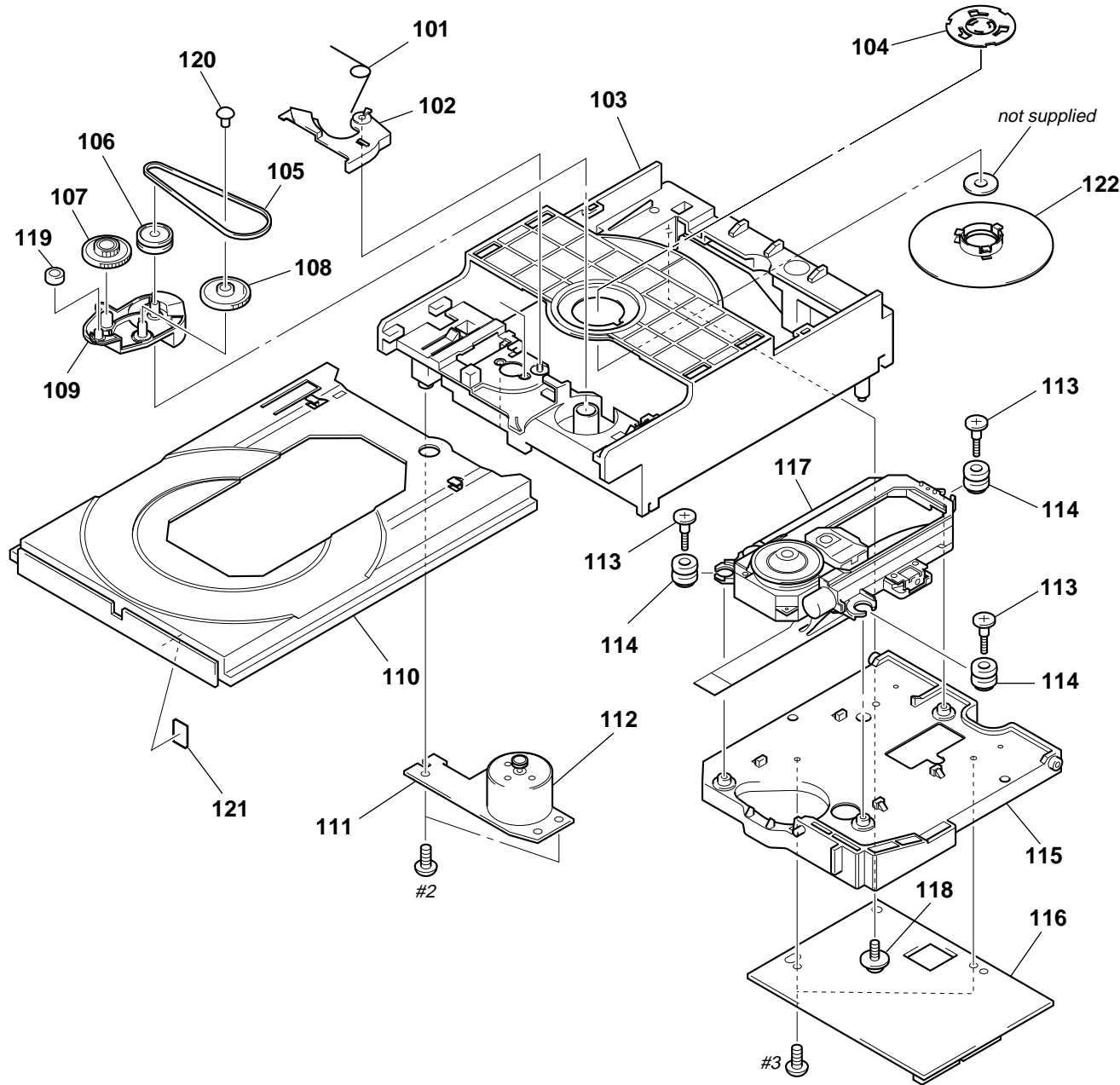
| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|--------|----------|---------------|---|--------|
| 1 | X-4952-565-1 | PNEL ASSY, LOADING | | 7 | X-4953-174-3 | PANEL, BACK SUB ASSY (EA) | |
| 2 | X-4952-947-1 | CHASSIS SUB ASSY | | 7 | X-4953-354-2 | PANEL, BACK SUB ASSY (CND) | |
| 3 | A-4424-426-A | DVD BOARD, COMPLETE (CND,US) | | 7 | X-4953-617-3 | PANEL, BACK SUB ASSY (TW) | |
| 3 | A-4424-645-A | DVD BOARD, COMPLETE (AEP,CEN,CEU,UK) | | 7 | X-4953-652-3 | PANEL, BACK SUB ASSY (KR) | |
| 3 | A-4424-649-A | DVD BOARD, COMPLETE (HK,SP,TW) | | 8 | A-4428-327-A | POWER BOARD, COMPLETE (CND,US) | |
| 3 | A-4424-651-A | DVD BOARD, COMPLETE (AUS) | | 8 | A-4473-122-A | POWER BOARD, COMPLETE (AEP,AUS,CEN,CEU,KR,RU,UK) | |
| 3 | A-4424-838-A | DVD BOARD, COMPLETE (MX) | | 8 | A-4473-132-A | POWER BOARD, COMPLETE (E32,EA3) | |
| 3 | A-4424-840-A | DVD BOARD, COMPLETE (RU) | | 8 | A-4473-889-A | POWER BOARD, COMPLETE (MX) | |
| 3 | A-4424-936-A | DVD BOARD, COMPLETE (EA3) | | 8 | A-4475-197-A | POWER BOARD, COMPLETE (E12,HK,SP) | |
| 3 | A-4440-266-A | DVD BOARD, COMPLETE (KR) | | 8 | A-4476-366-A | POWER BOARD, COMPLETE (TW) | |
| 3 | A-4440-353-A | DVD BOARD, COMPLETE (CH) | | 8 | A-4726-265-A | POWER BOARD, COMPLETE (CH) | |
| 3 | A-4473-704-A | DVD BOARD, COMPLETE (E32) | | 9 | A-4428-329-A | PROTECT BOARD, COMPLETE (EXCEPT CH) | |
| 3 | A-4475-303-A | DVD BOARD, COMPLETE (E12) | | 9 | A-4726-264-A | PROTECT BOARD, COMPLETE (CH) | |
| 4 | A-4424-428-A | TUNER BOARD, COMPLETE (CND,US) | | 10 | 4-221-580-01 | SCREW, CASE | |
| 4 | A-4424-647-A | TUNER BOARD, ASSY (AEP,CEN,CEU,CH,KR,TW,UK) | | 11 | X-4952-949-01 | CASE SUB ASSY | |
| 4 | A-4424-650-A | TUNER BOARD, ASSY (AUS,E12,E32,EA3,HK,MX,RU,SP) | | 12 | 4-217-350-01 | STOPPER, CORD | |
| 5 | A-4428-331-A | AUDIO BOARD, COMPLETE (CND,US) | | 13 | 1-770-019-11 | ADAPTOR, CONVERSION PLUG 3P (UK,HK) | |
| 5 | A-4473-125-A | AUDIO BOARD, COMPLETE (AUS,E12,E32,EA3,HK,KR,MX,RU,SP) | | 14 | 1-792-403-11 | CABLE, FLAT (14 core) | |
| 5 | A-4473-703-A | AUDIO BOARD, COMPLETE (AEP,CEU,TW,UK) | | 15 | 1-792-404-11 | CABLE, FLAT (5 core) | |
| 5 | A-4473-989-A | AUDIO BOARD, COMPLETE (CEN) | | 17 | 1-792-406-11 | CABLE, FLAT (13 core) | |
| 5 | A-4726-266-A | AUDIO BOARD, COMPLETE (CH) | | 18 | 1-792-399-11 | CABLE, FLAT (18 core) | |
| 6 | A-4428-332-A | VIDEO BOARD, COMPLETE (EXCEPT CH) | | 19 | 1-792-400-11 | CABLE, FLAT (18 core) | |
| 6 | A-4726-267-A | VIDEO BOARD, COMPLETE (CH) | | 20 | 1-792-401-11 | CABLE, FLAT (7 core) | |
| 7 | X-4952-948-3 | PANEL, BACK SUB ASSY (US) | | 21 | 1-792-402-11 | CABLE, FLAT (27 core) | |
| 7 | X-4952-950-2 | PANEL, BACK SUB ASSY (AEP,UK,CEN,CEU,CH) | | 22 | 4-226-340-01 | SHEET, RADIATION | |
| 7 | X-4952-951-2 | PANEL, BACK SUB ASSY (HK) | | 24 | 4-227-964-11 | COVER, MD | |
| 7 | X-4952-952-2 | PANEL, BACK SUB ASSY (AUS) | | 25 | 4-227-962-03 | SHEET (POWER) | |
| 7 | X-4952-953-2 | PANEL, BACK SUB ASSY (E32) | | △ CNP901 | 1-690-608-11 | CORD, POWER (AUS) | |
| 7 | X-4952-953-2 | PANEL, BACK SUB ASSY (MX) | | △ CNP901 | 1-696-169-22 | CORD, POWER (AEP,UK,CEN,CEU,RU,EA,E12,E32,SP,HK,TW) | |
| 7 | X-4952-980-2 | PANEL, BACK SUB ASSY (RU) | | △ CNP901 | 1-769-079-22 | CORD, POWER (KR) | |
| 7 | X-4952-982-2 | PANEL, BACK SUB ASSY (SP) | | △ CNP901 | 1-775-789-91 | CORD, POWER (MX) | |
| 7 | X-4953-173-3 | PANEL, BACK SUB ASSY (E12) | | △ CNP901 | 1-782-464-21 | CORD, POWER (CH) | |
| | | | | △ CNP901 | 1-783-531-61 | CORD, POWER (US,CND) | |

7-2. FRONT PANEL SECTION



| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|------------------------------------|--------|----------|--------------|------------------------------------|--------|
| 51 | X-4952-564-1 | KNOB (VOL) ASSY | | 59 | A-4428-321-A | PW-932 BOARD, COMPLETE (EXCEPT CH) | |
| 52 | X-4952-562-1 | PANEL ASSY, FRONT | | 59 | A-4726-260-A | PW-932 BOARD, COMPLETE (CH) | |
| 53 | 4-218-204-01 | FOOT (FRONT) | | 60 | A-4428-323-A | FP-932 BOARD, COMPLETE (EXCEPT CH) | |
| 54 | A-4428-322-A | HP-932 BOARD, COMPLETE (EXCEPT CH) | | 60 | A-4726-262-A | FP-932 BOARD, COMPLETE (CH) | |
| 54 | A-4428-261-A | HP-932 BOARD, COMPLETE (CH) | | 61 | 4-227-174-01 | SHEET, DIFFUSION | |
| 55 | A-4428-324-A | VL-932 BOARD, COMPLETE (EXCEPT CH) | | 62 | 4-226-339-01 | HOLDER (LED) | |
| 55 | A-4428-263-A | VL-932 BOARD, COMPLETE (CH) | | 63 | X-4952-563-1 | BUTTON (POWER) ASSY | |
| 56 | A-226-334-01 | KNOB (CURSOR) | | 64 | X-4952-963-1 | WINDOW SUB ASSY | |
| 57 | A-4428-320-A | SW-932 BOARD, COMPLETE | | 65 | 4-226-328-01 | PANEL (AL), FRONT | |
| 58 | 4-931-757-31 | SCREW (2.6X8) (1T3B), +BVTP | | LCD100 | 1-803-910-11 | DISPLAY PANEL, LIQUID CRYSTAL | |

7-3. MECHANISM SECTION



| | | |
|---|---|---|
| 以阴影和 \triangle 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。 | 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 | Ref. No. | Part No. | Description | Remark |
|----------|--------------|-----------------|--------|-----------------|--------------|------------------------------|--------|
| 101 | 4-220-239-01 | SPRING, TORSION | | 113 | 4-981-923-01 | SCREW (M), STEP | |
| 102 | 4-220-229-01 | LEVER (SW) | | 114 | 3-053-847-01 | INSULATOR | |
| 103 | 4-225-884-01 | CHASSIS (55D) | | 115 | 4-224-895-01 | HOLDER (KHM-220) | |
| 104 | 4-225-966-01 | PULLEY (B) | | 116 | A-4724-996-A | TK BOARD, COMPLETE | |
| 105 | 4-221-816-01 | BELT (CDM55) | | \triangle 117 | 8-820-081-09 | OPTICAL PICK-UP KHM220AAA | |
| 106 | 4-220-234-01 | PULLEY (LDG) | | 118 | 4-985-672-01 | SCREW (+PTPWHM2.6), FLOATING | |
| 107 | 4-220-237-01 | GEAR (A) | | 119 | 4-221-815-01 | ROLLER | |
| 108 | 4-220-238-01 | GEAR (B) | | 120 | 4-227-598-01 | SPACER (55) | |
| 109 | 4-220-233-01 | CAM (CDM55) | | 121 | 4-925-315-31 | DAMPER | |
| 110 | 4-224-894-01 | TRAY (CDM55) | | 122 | 4-225-965-01 | PULLEY (A) | |
| 111 | 1-676-599-11 | LOADING BOARD | | #2 | 7-685-533-19 | SCREW +BTP 2.6X6 TYPE2 N-S | |
| 112 | A-4672-891-A | MOTOR (LD) ASSY | | #3 | 7-685-546-14 | SCREW +BTP 3X8 TYPE2 N-S | |

SECTION 8
ELECTRICAL PARTS LIST

AUDIO

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, -X mean standardized parts, so they may have some difference from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
All resistors are in ohms
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F : nonflammable
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ PA..., uPB...: μ PB...,
uPC...: μ PC..., uPD...: μ PD...

- CAPACITORS
uF : μ F
- COILS
uH : μ H
- Abbreviation
CND : Canadian model
CH : Chinese model
AUS : Australian model
SP : Singapore model
HK : Hong Kong model
E32 : Central & South America model
CEN : AC230V area
- MX : Mexican
RU : Russian
CEU : East European & Russian
E12 : AC220-230V area
EA3 : Saudi Arabia
KR : Korean
TW : Taiwan

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

以阴影和 Δ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

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.

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|---|--------------------|
| | A-4428-331-A | AUDIO BOARD, COMPLETE (CND,US) | |
| | A-4473-125-A | AUDIO BOARD, COMPLETE (AUS,E12,E32,EA3,HK,KR,MX,RU,SP) | |
| | A-4473-703-A | AUDIO BOARD, COMPLETE (AEP,CEU,TW,UK) | |
| | A-4473-989-A | AUDIO BOARD, COMPLETE (CEN) | |
| | A-4726-266-A | AUDIO BOARD, COMPLETE (CH) | |
| | | ***** | |
| | | < CAPACITOR > | |
| C600 | 1-126-933-11 | ELECT 100uF 20% | 16V |
| C601 | 1-126-933-11 | ELECT 100uF 20% | 16V |
| C602 | 1-126-933-11 | ELECT 100uF 20% | 16V |
| C603 | 1-165-319-11 | CERAMIC CHIP 0.1uF | 50V |
| C604 | 1-165-319-11 | CERAMIC CHIP 0.1uF | 50V |
| C605 | 1-126-965-11 | ELECT 22uF 20% | 50V |
| C606 | 1-126-965-11 | ELECT 22uF 20% | 50V |
| C607 | 1-126-965-11 | ELECT 22uF 20% | 50V |
| C608 | 1-126-965-11 | ELECT 22uF 20% | 50V |
| C609 | 1-165-319-11 | CERAMIC CHIP 0.1uF | 50V |
| C610 | 1-165-319-11 | CERAMIC CHIP 0.1uF | 50V |
| C612 | 1-126-965-11 | ELECT 22uF 20% | 50V |
| C613 | 1-165-319-11 | CERAMIC CHIP 0.1uF | 50V |
| C614 | 1-165-319-11 | CERAMIC CHIP 0.1uF | 50V |
| C615 | 1-126-965-11 | ELECT 22uF 20% | 50V |
| C616 | 1-163-001-11 | CERAMIC CHIP 220PF 10% | 50V |
| C617 | 1-163-001-11 | CERAMIC CHIP 220PF 10% | 50V |
| C618 | 1-163-001-11 | CERAMIC CHIP 220PF 10% | 50V |
| C619 | 1-163-001-11 | CERAMIC CHIP 220PF 10% | 50V |
| C621 | 1-216-295-91 | SHORT 0 | |
| C622 | 1-126-965-11 | ELECT 22uF 20% | 50V (US,CND,UK) |
| C623 | 1-165-319-11 | CERAMIC CHIP 0.1uF | 50V (US,CND,UK) |
| C624 | 1-163-098-00 | CERAMIC CHIP 16PF 5% | 50V |
| C625 | 1-163-001-11 | CERAMIC CHIP 220PF 10% | 50V |
| C626 | 1-163-105-00 | CERAMIC CHIP 33PF 5% | 50V |
| C627 | 1-163-098-00 | CERAMIC CHIP 16PF 5% | 50V |
| C628 | 1-163-105-00 | CERAMIC CHIP 33PF 5% | 50V |
| C629 | 1-163-098-00 | CERAMIC CHIP 16PF 5% | 50V |
| C630 | 1-163-105-00 | CERAMIC CHIP 33PF 5% | 50V |
| C631 | 1-216-295-91 | SHORT 0 | |
| C724 | 1-104-760-11 | CERAMIC CHIP 0.047uF 10% | 50V |
| C725 | 1-104-760-11 | CERAMIC CHIP 0.047uF 10% | 50V |
| | | < CONNECTOR > | |
| CN600 | 1-568-831-41 | SOCKET, CONNECTOR 12P | |

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|---|--------|
| | CN601 | 1-770-655-11 CONNECTOR, FFC/FPC 27P | |
| * | CN602 | 1-564-705-11 PIN, CONNECTOR (SMALL TYPE) 3P | |
| | CN603 | 1-568-832-11 SOCKET, CONNECTOR 13P | |
| | CN604 | 1-770-638-11 CONNECTOR, FFC/FPC 7P | |
| | | < DIODE > | |
| D600 | 8-719-053-18 | DIODE 1SR154-400TE-25 | |
| D601 | 8-719-069-59 | DIODE UDZS-TE17-8.2B | |
| | | < IC > | |
| IC600 | 8-759-653-03 | IC NJM78M05DL1A-TE1 | |
| IC601 | 8-759-662-86 | IC NJM79M05DL1A-TE1 | |
| IC602 | 8-759-106-22 | IC uPD4052BG-T1 | |
| IC603 | 8-749-923-05 | TORX178A (DIGITAL OPTICAL) (US,CND,UK) | |
| | | < JACK > | |
| J600 | 1-794-033-11 | JACK, PIN (6P) | |
| J601 | 1-794-034-11 | JACK (SMALL TYPE) | |
| | | < COIL > | |
| L600 | 1-469-525-91 | INDUCTOR 10uH (US,CND,UK) | |
| L601 | 1-412-953-11 | INDUCTOR 15uH | |
| L602 | 1-412-953-11 | INDUCTOR 15uH | |
| L603 | 1-412-953-11 | INDUCTOR 15uH | |
| | | < TRANSISTOR > | |
| Q600 | 8-729-801-93 | TRANSISTOR 2SD1387-34-TP | |
| Q601 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | |
| Q602 | 8-729-901-00 | TRANSISTOR DTC124EKA-T146 | |
| Q603 | 8-729-046-97 | TRANSISTOR 2SD1938(F)-T(TX).SO | |
| Q604 | 8-729-046-97 | TRANSISTOR 2SD1938(F)-T(TX).SO | |
| Q605 | 8-729-046-97 | TRANSISTOR 2SD1938(F)-T(TX).SO | |
| | | < RESISTOR > | |
| R600 | 1-216-033-00 | METAL CHIP 220 5% | 1/10W |
| R601 | 1-216-033-00 | METAL CHIP 220 5% | 1/10W |
| R602 | 1-216-033-00 | METAL CHIP 220 5% | 1/10W |
| R603 | 1-216-033-00 | METAL CHIP 220 5% | 1/10W |
| R604 | 1-216-033-00 | METAL CHIP 220 5% | 1/10W |
| R605 | 1-216-053-00 | METAL CHIP 1.5K 5% | 1/10W |
| R606 | 1-216-295-91 | SHORT 0 | |
| R607 | 1-216-295-91 | SHORT 0 | |
| R610 | 1-216-025-91 | RES-CHIP 100 5% | 1/10W |
| R611 | 1-216-025-91 | RES-CHIP 100 5% | 1/10W |
| R612 | 1-216-097-91 | RES-CHIP 100K 5% | 1/10W |

AUDIO

DVD

| Ref. No. | Part No. | Description | Remark | | | Ref. No. | Part No. | Description | Remark | | |
|----------|--------------|--------------------------------------|---------|-------------|-------|----------|--------------|--------------|------------------------|-----|------|
| R613 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | C019 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| R614 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | C020 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V |
| R615 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | C021 | 1-124-778-00 | ELECT CHIP | 22uF | 20% | 6.3V |
| R616 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | | | | (AEP,UK,SP,HK,E32,AUS) | | |
| | | | | | | C022 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| R617 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | | | | | | |
| R618 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C024 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| R619 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C201 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| R620 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | C202 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| R621 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C203 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V |
| | | | | | | C204 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| R622 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | | | | | | |
| R623 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C206 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| R624 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C209 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| R625 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | C210 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| R626 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C211 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | C212 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| R627 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | | | | | | |
| R628 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | C213 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | (US,CND,UK) | | C304 | 1-110-563-11 | CERAMIC CHIP | 0.068uF | 10% | 16V |
| R629 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C307 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V |
| R630 | 1-216-042-00 | METAL CHIP | 510 | 5% | 1/10W | C309 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| R631 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C310 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | | | | | | |
| R632 | 1-216-042-00 | METAL CHIP | 510 | 5% | 1/10W | C312 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| R633 | 1-216-042-00 | METAL CHIP | 510 | 5% | 1/10W | C313 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| R634 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C314 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| R635 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C315 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | C316 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| ***** | | | | | | | | | | | |
| | A-4424-426-A | DVD BOARD, COMPLETE (CND,US) | | | | | | | | | |
| | A-4424-645-A | DVD BOARD, COMPLETE (AEP,CEN,CEU,UK) | | | | | | | | | |
| | A-4424-649-A | DVD BOARD, COMPLETE (HK,SP,TW) | | | | | | | | | |
| | A-4424-651-A | DVD BOARD, COMPLETE (AUS) | | | | | | | | | |
| | A-4424-838-A | DVD BOARD, COMPLETE (MX) | | | | | | | | | |
| | | | | | | | | | | | |
| | A-4424-840-A | DVD BOARD, COMPLETE (RU) | | | | | | | | | |
| | A-4424-936-A | DVD BOARD, COMPLETE (EA3) | | | | | | | | | |
| | A-4440-266-A | DVD BOARD, COMPLETE (KR) | | | | | | | | | |
| | A-4440-353-A | DVD BOARD, COMPLETE (CH) | | | | | | | | | |
| | A-4473-704-A | DVD BOARD, COMPLETE (E32) | | | | | | | | | |
| | | | | | | | | | | | |
| | A-4475-303-A | DVD BOARD, COMPLETE (E12) | | | | | | | | | |
| | ***** | | | | | | | | | | |
| | 8-759-567-31 | IC PLL1700E/2K (US,CND) | | | | | | | | | |
| | | < CAPACITOR > | | | | | | | | | |
| C001 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C317 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C002 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V | C318 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C003 | 1-126-246-11 | ELECT CHIP | 220uF | 20% | 4V | C319 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V |
| C004 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V | C320 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C005 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V | C321 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V |
| | | | | | | C322 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C007 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C323 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C008 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V | C324 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C009 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V | C325 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C010 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C327 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C011 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V | | | | | | |
| | | | | | | C328 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C012 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C329 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C013 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C331 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C015 | 1-126-246-11 | ELECT CHIP | 220uF | 20% | 4V | C333 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C016 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V | C334 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C017 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | | | | | | |
| | | | | | | C337 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C018 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V | C338 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | C339 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | C341 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | C343 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | | | | | | |
| | | | | | | C344 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| | | | | | | C401 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V |
| | | | | | | C402 | 1-126-209-11 | ELECT CHIP | 100uF | 20% | 4V |
| | | | | | | C403 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| | | | | | | C404 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| | | | | | | | | | | | |
| | | | | | | C405 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | C406 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | C408 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | C410 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | C411 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | | | | | | |
| | | | | | | C413 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | | | | | C414 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V |

| Ref. No. | Part No. | Description | | | Remark | Ref. No. | Part No. | Description | | | Remark |
|----------|--------------|--------------|--------|-----|--------|----------|--------------|--------------|----------|-----|--------|
| C415 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C543 | 1-162-921-11 | CERAMIC CHIP | 33PF | | |
| C416 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C544 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| C418 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C548 | 1-162-921-11 | CERAMIC CHIP | 33PF | | |
| C420 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C549 | 1-162-921-11 | CERAMIC CHIP | 33PF | 5% | 50V |
| C422 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C552 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C425 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C553 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| C426 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C554 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V |
| C428 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C555 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V |
| C431 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C556 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C432 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C601 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V |
| C433 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C602 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C434 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C603 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C436 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C604 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C438 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C605 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C439 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V | C606 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C440 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V | C607 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C441 | 1-126-209-11 | ELECT CHIP | 100uF | 20% | 4V | C608 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C443 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C701 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C501 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C702 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C502 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C703 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C503 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C704 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C504 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C705 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C505 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C706 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C506 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C707 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C507 | 1-164-672-11 | CERAMIC CHIP | 1500PF | 5% | 16V | C708 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C508 | 1-164-672-11 | CERAMIC CHIP | 1500PF | 5% | 16V | C709 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| C509 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V | C710 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C510 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | C711 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C511 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V | C712 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C512 | 1-162-921-11 | CERAMIC CHIP | 33PF | 5% | 50V | C713 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C513 | 1-162-921-11 | CERAMIC CHIP | 33PF | 5% | 50V | C714 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C514 | 1-162-921-11 | CERAMIC CHIP | 33PF | 5% | 50V | C715 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C515 | 1-162-921-11 | CERAMIC CHIP | 33PF | 5% | 50V | C717 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C516 | 1-162-921-11 | CERAMIC CHIP | 33PF | 5% | 50V | C801 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V |
| C517 | 1-162-921-11 | CERAMIC CHIP | 33PF | 5% | 50V | C802 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C518 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V | C803 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C519 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V | C805 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C520 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C806 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C521 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C807 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C522 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C808 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C523 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C809 | 1-110-563-11 | CERAMIC CHIP | 0.068uF | 10% | 16V |
| C524 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C810 | 1-110-563-11 | CERAMIC CHIP | 0.068uF | 10% | 16V |
| C525 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C811 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C526 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V | C812 | 1-162-967-11 | CERAMIC CHIP | 0.0033uF | 10% | 50V |
| C527 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | C813 | 1-162-967-11 | CERAMIC CHIP | 0.0033uF | 10% | 50V |
| C529 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V | C814 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C531 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V | C815 | 1-110-666-11 | ELECT CHIP | 22uF | 20% | 6.3V |
| C532 | 1-162-921-11 | CERAMIC CHIP | 33PF | 5% | 50V | C818 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C533 | 1-162-921-11 | CERAMIC CHIP | 33PF | 5% | 50V | C819 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C534 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V | C820 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C535 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V | C821 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C536 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 10V | C822 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V |
| C537 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C823 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C538 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C824 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C539 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C825 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C540 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C830 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C541 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C831 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C542 | 1-126-400-11 | ELECT | 22uF | 20% | 35V | C832 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |

| Ref. No. | Part No. | Description | | | Remark | Ref. No. | Part No. | Description | | | Remark |
|----------|--------------|--------------|---------|-------|--------|------------------|--------------|---------------------------------|----|-------|--------|
| C833 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V | < CONNECTOR > | | | | | |
| C834 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V | CN001 | 1-794-032-21 | PIN, CONNECTOR | | | |
| C835 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | CN002 | 1-794-343-21 | CONNECTOR, FFC/FPC 18P | | | |
| C836 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V | CN003 | 1-794-343-21 | CONNECTOR, FFC/FPC 18P | | | |
| C837 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V | CN005 | 1-785-466-11 | CONNECTOR, FFC/FPC 7P | | | |
| C901 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | CN006 | 1-778-622-21 | CONNECTOR, FFC/FPC 10P | | | |
| C902 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | * CN010 | 1-573-768-21 | PIN, CONNECTOR (1.5MM) (SMD) 5P | | | |
| C903 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | CN011 | 1-573-768-61 | PIN, CONNECTOR (1.5MM) (SMD) 5P | | | |
| C904 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | CN012 | 1-573-768-41 | PIN, CONNECTOR (1.5MM) (SMD) 5P | | | |
| C905 | 1-163-021-91 | CERAMIC CHIP | 0.01uF | 10% | 50V | CN014 | 1-778-622-21 | CONNECTOR, FFC/FPC 10P | | | |
| C906 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | CN015 | 1-794-342-21 | CONNECTOR, FFC/FPC 14P | | | |
| C907 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V | CN016 | 1-778-622-21 | CONNECTOR, FFC/FPC 10P | | | |
| C909 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V | CN017 | 1-794-341-21 | CONNECTOR, FFC/FPC 27P | | | |
| C910 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | CN018 | 1-784-365-21 | CONNECTOR, FFC/FPC 5P | | | |
| C911 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V | CN019 | 1-794-343-21 | CONNECTOR, FFC/FPC 18P | | | |
| C912 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V | < DIODE > | | | | | |
| C913 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | D701 | 8-719-073-01 | DIODE MA111-(K8).S0 | | | |
| C914 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | D801 | 8-719-941-09 | DIODE DAP202UT106 | | | |
| C915 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | D802 | 8-719-404-50 | DIODE MA111-TX | | | |
| C916 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V | D803 | 8-719-941-21 | DIODE DAP202UT106 | | | |
| C917 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V | D804 | 8-719-941-21 | DIODE DAN202UT106 | | | |
| C918 | 1-128-390-11 | ELECT CHIP | 220uF | 20% | 6.3V | D805 | 8-719-941-21 | DIODE DAN202UT106 | | | |
| C919 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | D806 | 8-719-404-50 | DIODE MA111-TX | | | |
| C920 | 1-126-209-11 | ELECT CHIP | 100uF | 20% | 4V | D807 | 8-719-404-50 | DIODE MA111-TX | | | |
| C921 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | D901 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| C922 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V | D902 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| C923 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V | D903 | 8-719-404-50 | DIODE MA111-TX | | | |
| C924 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | D904 | 8-719-404-50 | DIODE MA111-TX | | | |
| C925 | 1-162-919-91 | CERAMIC CHIP | 22PF | 0.5PF | 50V | D905 | 8-719-404-50 | DIODE MA111-TX | | | |
| C926 | 1-162-924-91 | CERAMIC CHIP | 56PF | 0.5PF | 50V | D906 | 8-719-404-50 | DIODE MA111-TX | | | |
| C927 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | D907 | 8-719-404-50 | DIODE MA111-TX | | | |
| C928 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V | D908 | 8-719-404-50 | DIODE MA111-TX | | | |
| C929 | 1-126-209-11 | ELECT CHIP | 100uF | 20% | 4V | D909 | 8-719-404-50 | DIODE MA111-TX | | | |
| C930 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | D910 | 8-719-404-50 | DIODE MA111-TX | | | |
| C931 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | D911 | 8-719-941-21 | DIODE DAP202UT106 | | | |
| C932 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | D912 | 8-719-941-21 | DIODE DAP202UT106 | | | |
| C933 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V | D913 | 8-719-941-21 | DIODE DAP202UT106 | | | |
| C934 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | D914 | 8-719-941-21 | DIODE DAP202UT106 | | | |
| C935 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | < FERRITE BEAD > | | | | | |
| C936 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | FB001 | 1-469-669-21 | INDUCTOR 0UH | | | |
| C937 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | FB002 | 1-469-669-21 | INDUCTOR 0UH | | | |
| C938 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | FB003 | 1-469-669-21 | INDUCTOR 0UH | | | |
| C939 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V | FB004 | 1-469-669-21 | INDUCTOR 0UH | | | |
| C940 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | FB005 | 1-469-669-21 | INDUCTOR 0UH | | | |
| C941 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | FB006 | 1-469-669-21 | INDUCTOR 0UH | | | |
| C943 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | FB007 | 1-469-669-21 | INDUCTOR 0UH | | | |
| C944 | 1-128-390-11 | ELECT CHIP | 220uF | 20% | 6.3V | FB008 | 1-469-669-21 | INDUCTOR 0UH | | | |
| C945 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | FB016 | 1-216-801-11 | METAL CHIP 22 | 5% | 1/16W | |
| C946 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | * FB014 | 1-469-229-22 | FERRITE 0UH | | | |
| C947 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | * FB015 | 1-469-229-22 | FERRITE 0UH | | | |
| C948 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V | * FB017 | 1-469-229-22 | FERRITE 0UH | | | |
| C949 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | * FB018 | 1-469-229-22 | FERRITE 0UH | | | |
| C951 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | FB019 | 1-469-669-21 | INDUCTOR 0UH | | | |
| C952 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V | FB020 | 1-469-669-21 | INDUCTOR 0UH | | | |
| C953 | 1-104-905-11 | CAPACITOR | 0.22F | | 5.5V | FB021 | 1-469-669-21 | INDUCTOR 0UH | | | |
| C954 | 1-104-851-11 | TANTAL. CHIP | 10uF | 20% | 10V | | | | | | |
| C955 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | | | | | | |

| Ref. No. | Part No. | Description | Remark | | | Ref. No. | Part No. | Description | Remark |
|----------|--------------|---------------|--------|------------------------|-------|----------|--------------|---------------------------|--------|
| FB022 | 1-469-669-21 | INDUCTOR | 0UH | | | FB946 | 1-469-669-21 | INDUCTOR | 0UH |
| FB023 | 1-500-283-11 | INDUCTOR CHIP | 0UH | | | | | | |
| FB024 | 1-469-669-21 | INDUCTOR | 0UH | | | * FB947 | 1-469-229-22 | FERRITE | 0UH |
| FB025 | 1-469-669-21 | INDUCTOR | 0UH | | | * FB948 | 1-469-229-22 | FERRITE | 0UH |
| | | | | | | * FB949 | 1-469-229-22 | FERRITE | 0UH |
| FB026 | 1-469-669-21 | INDUCTOR | 0UH | | | FB956 | 1-469-669-21 | INDUCTOR | 0UH |
| FB027 | 1-469-669-21 | INDUCTOR | 0UH | | | * FB957 | 1-469-229-22 | FERRITE | 0UH |
| FB031 | 1-469-669-21 | INDUCTOR | 0UH | (AEP,UK,SP,HK,E32,AUS) | | | | | |
| FB055 | 1-500-283-11 | INDUCTOR CHIP | 0UH | | | * FB958 | 1-469-229-22 | FERRITE | 0UH |
| FB056 | 1-500-283-11 | INDUCTOR CHIP | 0UH | | | * FB959 | 1-469-229-22 | FERRITE | 0UH |
| | | | | | | * FB960 | 1-469-229-22 | FERRITE | 0UH |
| FB058 | 1-500-283-11 | INDUCTOR CHIP | 0UH | | | * FB961 | 1-469-229-22 | FERRITE | 0UH |
| FB060 | 1-500-283-11 | INDUCTOR CHIP | 0UH | | | * FB962 | 1-469-229-22 | FERRITE | 0UH |
| FB081 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/16W | | | | |
| FB083 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/16W | * FB963 | 1-469-229-22 | FERRITE | 0UH |
| FB084 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/16W | * FB964 | 1-469-229-22 | FERRITE | 0UH |
| | | | | | | * FB965 | 1-469-229-22 | FERRITE | 0UH |
| FB085 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/16W | * FB966 | 1-469-229-22 | FERRITE | 0UH |
| FB087 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/16W | FB967 | 1-469-669-21 | INDUCTOR | 0UH |
| FB105 | 1-469-669-21 | INDUCTOR | 0UH | | | | | | |
| FB106 | 1-469-669-21 | INDUCTOR | 0UH | | | FB969 | 1-469-669-21 | INDUCTOR | 0UH |
| FB901 | 1-469-669-21 | INDUCTOR | 0UH | | | | | | |
| | | | | | | | | | |
| * FB902 | 1-469-229-22 | FERRITE | 0UH | | | | | | |
| * FB903 | 1-469-229-22 | FERRITE | 0UH | | | | | | |
| * FB904 | 1-469-229-22 | FERRITE | 0UH | | | FL008 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB905 | 1-469-229-22 | FERRITE | 0UH | | | FL001 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB906 | 1-469-229-22 | FERRITE | 0UH | | | FL002 | 1-234-177-21 | FILTER, CHIP EMI | |
| | | | | | | FL003 | 1-233-893-21 | FILTER, CHIP EMI | |
| * FB907 | 1-469-229-22 | FERRITE | 0UH | | | FL004 | 1-233-893-21 | FILTER, CHIP EMI | |
| * FB908 | 1-469-229-22 | FERRITE | 0UH | | | | | | |
| * FB909 | 1-469-229-22 | FERRITE | 0UH | | | FL005 | 1-234-177-21 | FILTER, CHIP EMI | |
| FB916 | 1-500-283-11 | INDUCTOR CHIP | 0UH | | | FL006 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB910 | 1-469-229-22 | FERRITE | 0UH | | | FL007 | 1-233-893-21 | FILTER, CHIP EMI | |
| | | | | | | FL009 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB911 | 1-469-229-22 | FERRITE | 0UH | | | FL010 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB912 | 1-469-229-22 | FERRITE | 0UH | | | | | | |
| * FB915 | 1-469-229-22 | FERRITE | 0UH | | | FL011 | 1-234-177-21 | FILTER, CHIP EMI (US,CND) | |
| FB917 | 1-500-283-11 | INDUCTOR CHIP | 0UH | | | FL012 | 1-233-893-21 | FILTER, CHIP EMI | |
| * FB919 | 1-469-229-22 | FERRITE | 0UH | | | FL013 | 1-233-893-21 | FILTER, CHIP EMI (US,CND) | |
| | | | | | | FL014 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB925 | 1-469-229-22 | FERRITE | 0UH | | | FL015 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB920 | 1-469-229-22 | FERRITE | 0UH | | | | | | |
| * FB921 | 1-469-229-22 | FERRITE | 0UH | | | FL016 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB922 | 1-469-229-22 | FERRITE | 0UH | | | FL017 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB923 | 1-469-229-22 | FERRITE | 0UH | | | FL202 | 1-234-177-21 | FILTER, CHIP EMI | |
| | | | | | | FL203 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB924 | 1-469-229-22 | FERRITE | 0UH | | | FL204 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB926 | 1-469-229-22 | FERRITE | 0UH | | | | | | |
| * FB927 | 1-469-229-22 | FERRITE | 0UH | | | FL205 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB928 | 1-469-229-22 | FERRITE | 0UH | | | FL301 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB929 | 1-469-229-22 | FERRITE | 0UH | | | FL302 | 1-234-177-21 | FILTER, CHIP EMI | |
| | | | | | | FL303 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB930 | 1-469-229-22 | FERRITE | 0UH | | | FL401 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB931 | 1-469-229-22 | FERRITE | 0UH | | | | | | |
| * FB932 | 1-469-229-22 | FERRITE | 0UH | | | FL402 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB934 | 1-469-229-22 | FERRITE | 0UH | | | FL403 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB936 | 1-469-229-22 | FERRITE | 0UH | | | FL404 | 1-234-177-21 | FILTER, CHIP EMI | |
| | | | | | | FL405 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB937 | 1-469-229-22 | FERRITE | 0UH | | | FL601 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB938 | 1-469-229-22 | FERRITE | 0UH | | | | | | |
| * FB939 | 1-469-229-22 | FERRITE | 0UH | | | FL602 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB942 | 1-469-229-22 | FERRITE | 0UH | | | FL701 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB944 | 1-469-229-22 | FERRITE | 0UH | | | FL901 | 1-234-177-21 | FILTER, CHIP EMI | |
| | | | | | | FL903 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB940 | 1-469-229-22 | FERRITE | 0UH | | | FL904 | 1-234-177-21 | FILTER, CHIP EMI | |
| * FB941 | 1-469-229-22 | FERRITE | 0UH | | | | | | |
| * FB943 | 1-469-229-22 | FERRITE | 0UH | | | FL905 | 1-234-177-21 | FILTER, CHIP EMI | |
| FB945 | 1-469-669-21 | INDUCTOR | 0UH | | | FL902 | 1-234-177-21 | FILTER, CHIP EMI | |

< FILTER >

DVD

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------------|--------------|---|----------------------------------|--------------|--------------|-------------|---------------------|
| < IC > | | | | Q502 | 8-729-046-97 | TRANSISTOR | 2SD1938(F)-T(TX).SO |
| IC001 | 8-759-594-91 | IC SM8701AM-E2 | | Q503 | 8-729-046-97 | TRANSISTOR | 2SD1938(F)-T(TX).SO |
| IC004 | 8-759-531-92 | IC TC7WH04FU(TE12R) | | Q504 | 8-729-046-97 | TRANSISTOR | 2SD1938(F)-T(TX).SO |
| IC002 | 8-759-052-52 | IC L78M05TLL-SONY-TL | | Q505 | 8-729-046-97 | TRANSISTOR | 2SD1938(F)-T(TX).SO |
| IC005 | 8-759-486-55 | IC NJM2370U33-TE2 | | Q506 | 8-729-046-97 | TRANSISTOR | 2SD1938(F)-T(TX).SO |
| IC202 | 8-759-599-39 | IC MB91101APFV-G-BND | | Q801 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 |
| IC201 | 8-759-469-25 | IC AK6440AF-E2 | | Q901 | 8-729-230-63 | TRANSISTOR | 2SD1819A-QRS-TX |
| IC203 | 8-759-645-76 | IC TC74VHCT32AFT | | Q902 | 8-729-028-96 | TRANSISTOR | DTC114EUA-T106 |
| IC204 | 8-759-573-65 | IC KM616V1002AT-15T | | Q903 | 8-729-230-63 | TRANSISTOR | 2SD1819A-QRS-TX |
| IC206 | 8-759-687-50 | IC MR27V1602D-E8MAZ060 (US,CND,AUS) | | Q905 | 8-729-907-00 | TRANSISTOR | DTC114EUA-T106 |
| IC206 | 8-759-687-52 | IC MR27V1602D-F0MAZ060 (AEP,UK,CEN,CEU) | | Q906 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 |
| IC206 | 8-759-697-51 | IC MR27V1602E-10MAZH60 | (SP,HK,TW,E12,KR) | Q907 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 |
| IC206 | 8-759-712-18 | IC MR27V1602E-E8MAZ060 (MX,RU,EA3,E32) | (IC206 is repair parts of IC205) | Q908 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 |
| IC207 | 8-759-427-92 | IC PST9126NL | | Q909 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 |
| IC302 | 8-759-486-55 | IC NJM2370U33-TE2 | | Q910 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 |
| IC303 | 8-759-567-27 | IC CXD8784R | | < RESISTOR > | | | |
| IC304 | 8-759-583-44 | IC MSM51V18160D-60TSKR1 | | R001 | 1-216-833-11 | RES-CHIP | 10K 5% 1/16W |
| IC401 | 8-752-398-60 | IC CXD1930BQ | | R002 | 1-216-833-11 | RES-CHIP | 10K 5% 1/16W |
| IC402 | 8-759-641-60 | IC MT48LC1M16A1TG-7S | | R003 | 1-216-833-11 | RES-CHIP | 10K 5% 1/16W |
| IC403 | 8-759-641-60 | IC MT48LC1M16A1TG-7S | | R004 | 1-216-821-11 | METAL CHIP | 1K 5% 1/16W |
| IC404 | 8-759-486-55 | IC NJM2370U33-TE2 | | R005 | 1-216-821-11 | METAL CHIP | 1K 5% 1/16W |
| IC501 | 8-759-052-52 | IC L78M05TLL-SONY-TL | | R006 | 1-216-821-11 | METAL CHIP | 1K 5% 1/16W |
| IC502 | 8-759-636-55 | IC M5218AFP-T1 | | R007 | 1-216-833-11 | RES-CHIP | 10K 5% 1/16W |
| IC503 | 8-759-636-55 | IC M5218AFP-T1 | | R009 | 1-216-864-11 | METAL CHIP | 0 5% 1/16W |
| IC504 | 8-759-636-55 | IC M5218AFP-T1 | | R011 | 1-216-829-11 | METAL CHIP | 47K 5% 1/16W |
| IC505 | 8-759-636-55 | IC M5218AFP-T1 | | R012 | 1-216-833-11 | RES-CHIP | 10K 5% 1/16W |
| IC506 | 8-759-636-55 | IC M5218AFP-T1 | | R014 | 1-216-824-11 | METAL CHIP | 47K 5% 1/16W |
| IC507 | 8-759-658-33 | IC TC9482F | | R035 | 1-216-821-11 | METAL CHIP | 1K 5% 1/16W |
| IC508 | 8-759-636-55 | IC M5218AFP-T1 | | R036 | 1-216-821-11 | METAL CHIP | 1K 5% 1/16W |
| IC509 | 8-759-636-55 | IC M5218AFP-T1 | | R037 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/16W |
| IC510 | 8-759-636-55 | IC M5218AFP-T1 | | R039 | 1-216-821-11 | METAL CHIP | 1K 5% 1/16W |
| IC511 | 8-759-636-55 | IC M5218AFP-T1 | | R041 | 1-216-821-11 | METAL CHIP | 1K 5% 1/16W |
| IC512 | 8-759-636-55 | IC M5218AFP-T1 | | R042 | 1-216-821-11 | METAL CHIP | 1K 5% 1/16W |
| IC513 | 8-759-636-55 | IC M5218AFP-T1 | | R044 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/16W |
| IC601 | 8-759-567-30 | IC CXD8788Q | | R045 | 1-216-833-91 | RES-CHIP | 10K 5% 1/16W |
| IC701 | 8-759-598-87 | IC CXD8791AQ | | R048 | 1-216-821-11 | METAL CHIP | 1K 5% 1/16W |
| IC702 | 8-759-337-40 | IC NJM2904V(TE2) | | R049 | 1-216-821-11 | METAL CHIP | 1K 5% 1/16W |
| IC801 | 8-759-522-13 | IC BA5981FP-E2 | | R050 | 1-216-821-11 | METAL CHIP | 1K 5% 1/16W |
| IC802 | 8-759-567-26 | IC BA5983FP-E2 | | R053 | 1-216-833-91 | RES-CHIP | 10K 5% 1/16W |
| IC803 | 8-759-338-78 | IC BA10324AFV-E2 | | R201 | 1-216-833-91 | RES-CHIP | 10K 5% 1/16W |
| IC901 | 8-759-342-94 | IC IDT71256SA20Y-TL | | R202 | 1-216-801-11 | METAL CHIP | 22 5% 1/16W |
| IC902 | 8-759-557-35 | IC M51943BML-600C | | R203 | 1-216-833-91 | RES-CHIP | 10K 5% 1/16W |
| IC903 | 8-759-660-31 | IC M30622MA-A33FP | | R204 | 1-216-833-91 | RES-CHIP | 10K 5% 1/16W |
| IC904 | 8-759-643-42 | IC CXD9511AQ | | R205 | 1-216-845-11 | METAL CHIP | 100K 5% 1/16W |
| IC905 | 8-759-460-72 | IC BA033FP-E2 | | R206 | 1-216-845-11 | METAL CHIP | 100K 5% 1/16W |
| IC906 | 8-759-657-47 | IC AK4527 | | R207 | 1-216-833-91 | RES-CHIP | 10K 5% 1/16W |
| IC907 | 8-759-639-35 | IC LC89055W-RA8 | | R212 | 1-216-864-11 | METAL CHIP | 0 5% 1/16W |
| IC908 | 8-759-497-44 | IC TC7WH125FU(TE12R) | | R213 | 1-216-801-11 | METAL CHIP | 22 5% 1/16W |
| < COIL > | | | | R217 | 1-216-833-91 | RES-CHIP | 10K 5% 1/16W |
| L001 | 1-414-754-11 | INDUCTOR | 10uH | R222 | 1-216-833-91 | RES-CHIP | 10K 5% 1/16W |
| L402 | 1-414-754-11 | INDUCTOR | 10uH | R223 | 1-216-833-91 | RES-CHIP | 10K 5% 1/16W |
| L901 | 1-414-754-11 | INDUCTOR | 10uH | R225 | 1-216-833-91 | RES-CHIP | 10K 5% 1/16W |
| < TRANSISTOR > | | | | R227 | 1-216-813-11 | METAL CHIP | 220 5% 1/16W |
| Q501 | 8-729-046-97 | TRANSISTOR | 2SD1938(F)-T(TX).SO | R228 | 1-216-813-11 | METAL CHIP | 220 5% 1/16W |
| | | | | R229 | 1-216-813-11 | METAL CHIP | 220 5% 1/16W |
| | | | | R230 | 1-216-813-11 | METAL CHIP | 220 5% 1/16W |

| Ref. No. | Part No. | Description | | | | Remark | Ref. No. | Part No. | Description | | | | Remark |
|----------|--------------|-------------|------|------|-------|--------|----------|--------------|-------------|------|----|-------|--------|
| R240 | 1-216-246-00 | RES-CHIP | 100K | 5% | 1/8W | | R507 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R241 | 1-216-238-91 | RES-CHIP | 47K | 5% | 1/8W | | R508 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/16W | |
| R242 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R509 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R243 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R510 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R244 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R511 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R305 | 1-218-879-11 | METAL CHIP | 22K | 0.5% | 1/16W | | R512 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R306 | 1-218-831-11 | METAL CHIP | 220 | 0.5% | 1/16W | | R513 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/16W | |
| R307 | 1-218-883-11 | METAL CHIP | 33K | 0.5% | 1/16W | | R514 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R308 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W | | R515 | 1-216-831-11 | METAL CHIP | 6.8K | 5% | 1/16W | |
| R309 | 1-216-838-11 | METAL CHIP | 27K | 5% | 1/16W | | R516 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/16W | |
| R310 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W | | R517 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R313 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R518 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R314 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R519 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R315 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R520 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W | |
| R316 | 1-218-855-11 | METAL CHIP | 2.2K | 0.5% | 1/16W | | R521 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R317 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/16W | | R522 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W | |
| R318 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/16W | | R523 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R319 | 1-216-831-11 | METAL CHIP | 6.8K | 5% | 1/16W | | R524 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R320 | 1-218-853-11 | METAL CHIP | 1.8K | 0.5% | 1/16W | | R525 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W | |
| R321 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/16W | | R526 | 1-216-831-11 | METAL CHIP | 6.8K | 5% | 1/16W | |
| R322 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/16W | | R527 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R323 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R528 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/16W | |
| R324 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R529 | 1-216-295-91 | SHORT | 0 | | | |
| R325 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R530 | 1-216-295-91 | SHORT | 0 | | | |
| R326 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R531 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R327 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R532 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R328 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R535 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W | |
| R329 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R540 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | |
| R330 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R541 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | |
| R331 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R542 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | |
| R332 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R543 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | |
| R337 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W | | R544 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | |
| R338 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R545 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | |
| R339 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R546 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W | |
| R340 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R547 | 1-216-295-91 | SHORT | 0 | | | |
| R341 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W | | R548 | 1-216-295-91 | SHORT | 0 | | | |
| R403 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R549 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W | |
| R404 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W | | R550 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W | |
| R405 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/16W | | R551 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R406 | 1-216-822-11 | METAL CHIP | 1.2K | 5% | 1/16W | | R552 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R407 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R553 | 1-216-295-91 | SHORT | 0 | | | |
| R409 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W | | R554 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R410 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | | R555 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R411 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R556 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | |
| R413 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W | | R557 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | |
| R426 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | | R558 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | |
| R427 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | | R559 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | |
| R428 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | | R560 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | |
| R429 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | | R561 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | |
| R430 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | | R562 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R431 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | | R563 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R501 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W | | R564 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R502 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W | | R565 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R503 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W | | R566 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R504 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W | | R567 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | |
| R505 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R568 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/16W | |
| R506 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | | R569 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/16W | |
| | | | | | | | R570 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/16W | |

| Ref. No. | Part No. | Description | | | Remark | Ref. No. | Part No. | Description | | | Remark |
|----------|--------------|-------------|------|----|--------|----------|--------------|-------------|------|------|--------|
| R571 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/16W | R748 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R572 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/16W | R751 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R573 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/16W | R752 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R574 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R755 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R575 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R757 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R576 | 1-216-835-11 | RES-CHIP | 15K | 5% | 1/16W | R758 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R577 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R801 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R578 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R802 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R579 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R803 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R580 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R804 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R581 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R805 | 1-216-840-11 | METAL CHIP | 39K | 5% | 1/16W |
| R581 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R806 | 1-216-840-11 | METAL CHIP | 39K | 5% | 1/16W |
| R584 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W | R807 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R585 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R808 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R587 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W | R809 | 1-216-844-11 | METAL CHIP | 82K | 5% | 1/16W |
| R588 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R810 | 1-216-844-11 | METAL CHIP | 82K | 5% | 1/16W |
| R590 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W | R811 | 1-218-907-11 | METAL CHIP | 330K | 0.5% | 1/16W |
| R591 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R812 | 1-218-897-11 | METAL CHIP | 120K | 0.5% | 1/16W |
| R592 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R813 | 1-218-897-11 | METAL CHIP | 120K | 0.5% | 1/16W |
| R593 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R814 | 1-218-907-11 | METAL CHIP | 330K | 0.5% | 1/16W |
| R594 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/16W | R815 | 1-216-836-11 | METAL CHIP | 18K | 5% | 1/16W |
| R595 | 1-216-831-11 | METAL CHIP | 6.8K | 5% | 1/16W | R816 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R596 | 1-218-272-11 | RES-CHIP | 5.1K | 5% | 1/16W | R817 | 1-216-852-11 | METAL CHIP | 390K | 5% | 1/16W |
| R597 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W | R818 | 1-216-852-11 | METAL CHIP | 390K | 5% | 1/16W |
| R599 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W | R819 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/16W |
| R601 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R820 | 1-216-851-11 | METAL CHIP | 330K | 5% | 1/16W |
| R602 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R821 | 1-216-840-11 | METAL CHIP | 39K | 5% | 1/16W |
| R604 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R822 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R605 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R823 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R606 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R824 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R607 | 1-220-151-11 | RES-CHIP | 51 | 5% | 1/16W | R825 | 1-216-830-11 | METAL CHIP | 5.6K | 5% | 1/16W |
| R630 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R831 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R631 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R832 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R632 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R834 | 1-216-847-11 | METAL CHIP | 150K | 5% | 1/16W |
| R633 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R835 | 1-216-847-11 | METAL CHIP | 150K | 5% | 1/16W |
| R634 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R836 | 1-216-847-11 | METAL CHIP | 150K | 5% | 1/16W |
| R635 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R837 | 1-216-844-11 | METAL CHIP | 82K | 5% | 1/16W |
| R636 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W | R838 | 1-216-848-11 | METAL CHIP | 180K | 5% | 1/16W |
| R637 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W | R839 | 1-216-848-11 | METAL CHIP | 180K | 5% | 1/16W |
| R642 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W | R840 | 1-216-848-11 | METAL CHIP | 180K | 5% | 1/16W |
| R643 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W | R841 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/16W |
| R647 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R842 | 1-216-844-11 | METAL CHIP | 82K | 5% | 1/16W |
| R701 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W | R843 | 1-216-844-11 | METAL CHIP | 82K | 5% | 1/16W |
| R702 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W | R844 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/16W |
| R703 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W | R845 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/16W |
| R704 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W | R846 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R705 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W | R847 | 1-216-296-91 | SHORT | 0 | | |
| R706 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R851 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R707 | 1-216-844-11 | METAL CHIP | 82K | 5% | 1/16W | R852 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R708 | 1-216-844-11 | METAL CHIP | 82K | 5% | 1/16W | R853 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R709 | 1-216-844-11 | METAL CHIP | 82K | 5% | 1/16W | R854 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R710 | 1-216-844-11 | METAL CHIP | 82K | 5% | 1/16W | R855 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/16W |
| R711 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R856 | 1-216-836-11 | METAL CHIP | 18K | 5% | 1/16W |
| R712 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W | R857 | 1-218-899-11 | METAL CHIP | 150K | 0.5% | 1/16W |
| R720 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R858 | 1-218-899-11 | METAL CHIP | 150K | 0.5% | 1/16W |
| R721 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R859 | 1-218-889-11 | METAL CHIP | 56K | 0.5% | 1/16W |
| R722 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/16W | R860 | 1-218-889-11 | METAL CHIP | 56K | 0.5% | 1/16W |
| | | | | | | R861 | 1-216-296-91 | SHORT | 0 | | |

| Ref. No. | Part No. | Description | Remark | | | Ref. No. | Part No. | Description | Remark | | |
|----------|--------------|-------------|--------|----|-------|----------|--------------|-------------|--------|----|-------|
| R864 | 1-216-138-00 | METAL CHIP | 3.3 | 5% | 1/8W | R962 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R865 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R963 | 1-218-285-11 | RES-CHIP | 75 | 5% | 1/16W |
| R866 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R964 | 1-218-272-11 | RES-CHIP | 5.1K | 5% | 1/16W |
| R867 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R965 | 1-218-272-11 | RES-CHIP | 5.1K | 5% | 1/16W |
| R868 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R966 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R869 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R967 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R870 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W | R968 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R871 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W | R969 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R872 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W | R970 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R873 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R971 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R901 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R972 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R902 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | R973 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R910 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | R974 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R911 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | R975 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R912 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | R976 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R914 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R977 | 1-216-832-11 | METAL CHIP | 8.2K | 5% | 1/16W |
| R915 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W | R978 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R916 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W | R979 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R917 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W | R982 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R918 | 1-216-174-00 | RES-CHIP | 100 | 5% | 1/8W | R983 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R919 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | R984 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R920 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R985 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R921 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R986 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R922 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R987 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R923 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R988 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R924 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R989 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R925 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R990 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R926 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R991 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R927 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R992 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R928 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R994 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R929 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R995 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R933 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R997 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R934 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R999 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R935 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R1000 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R936 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | R1001 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R937 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R1002 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R938 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R1003 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R940 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R1004 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R942 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R1005 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R943 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R1006 | 1-216-295-91 | SHORT | 0 | | |
| R944 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R1009 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R945 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R1010 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R946 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W | R1011 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R947 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W | R1012 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R948 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R1037 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R949 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W | R1045 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R950 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W | R1053 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R951 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W | R1054 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R952 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W | R1056 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R953 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R1057 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R954 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W | R1058 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R955 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R1062 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R956 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R1068 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R957 | 1-216-818-11 | METAL CHIP | 560 | 5% | 1/16W | R1509 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R959 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R1510 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R960 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W | R1511 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R961 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W | R1514 | 1-216-844-11 | METAL CHIP | 82K | 5% | 1/16W |
| | | | | | | R1502 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/16W |

DVD

FP-932

HP-932

| Ref. No. | Part No. | Description | | | Remark |
|-------------------------------|--------------|------------------------------------|-------|-------|--------|
| R1503 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R1504 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R1505 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R1506 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R1507 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R1508 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R1512 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R1513 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| < COMPOSITION CIRCUIT BLOCK > | | | | | |
| * RB001 | 1-233-270-11 | NETWORK, RES (8 GANG) 10K | | | |
| * RB203 | 1-233-270-11 | NETWORK, RES (8 GANG) 10K | | | |
| * RB201 | 1-233-270-11 | NETWORK, RES (8 GANG) 10K | | | |
| * RB202 | 1-233-270-11 | NETWORK, RES (8 GANG) 10K | | | |
| * RB204 | 1-233-270-11 | NETWORK, RES (8 GANG) 10K | | | |
| * RB402 | 1-233-270-11 | NETWORK, RES (8 GANG) 10K | | | |
| * RB601 | 1-233-270-11 | NETWORK, RES (8 GANG) 10K | | | |
| < VARIABLE RESISTOR > | | | | | |
| RV401 | 1-223-583-11 | RES, ADJ, CARBON 1K | | | |
| < VIBRATOR > | | | | | |
| X001 | 1-781-188-21 | OSCILLATOR, CRYSTAL (27MHz) | | | |
| X201 | 1-781-185-21 | VIBRATOR, CERAMIC (12.5MHz) | | | |
| X501 | 1-767-922-11 | VIBRATOR, CERAMIC (16MHz) | | | |
| X503 | 1-781-465-21 | VIBRATOR, CRYSTAL (12.288MHz) | | | |
| ***** | | | | | |
| | A-4428-323-A | FP-932 BOARD, COMPLETE (EXCEPT CH) | | | |
| | A-4726-262-A | FP-932 BOARD, COMPLETE (CH) | | | |
| | | ***** | | | |
| | 4-226-339-01 | HOLDER (LED) | | | |
| | 4-227-174-01 | SHEET, DIFFUSION | | | |
| | 4-931-757-31 | SCREW(DIA.2.6X8)(IT3B),TAPPING | | | |
| < CAPACITOR > | | | | | |
| C100 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C101 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5.00% | 50V |
| C102 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C103 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| < CONNECTOR > | | | | | |
| CN100 | 1-784-084-11 | CONNECTOR, FFC/FPC 14P | | | |
| CN102 | 1-506-468-11 | PIN, CONNECTOR 3P | | | |
| < DIODE > | | | | | |
| D100 | 8-719-079-51 | DIODE SELU2E10C-TP6 | | | |
| D101 | 8-719-079-51 | DIODE SELU2E10C-TP6 | | | |
| D102 | 8-719-079-51 | DIODE SELU2E10C-TP6 | | | |
| D103 | 8-719-073-01 | DIODE MA111 | | | |
| < IC > | | | | | |
| IC100 | 8-759-366-34 | IC LC75824E | | | |
| IC101 | 8-759-459-86 | IC NJL64H400A | | | |
| < JUMPER RESISTOR > | | | | | |
| JW100 | 1-216-296-91 | SHORT | 0 | | |

| Ref. No. | Part No. | Description | Remark | | | |
|----------------------------|------------------------------------|-------------------------------|------------------|-----|-------|--|
| JW101 | 1-216-296-91 | SHORT | 0 | | | |
| JW102 | 1-216-296-91 | SHORT | 0 | | | |
| JW103 | 1-216-296-91 | SHORT | 0 | | | |
| JW104 | 1-216-296-91 | SHORT | 0 | | | |
| JW105 | 1-216-296-91 | SHORT | 0 | | | |
| JW106 | 1-216-296-91 | SHORT | 0 | | | |
| JW107 | 1-216-296-91 | SHORT | 0 | | | |
| JW108 | 1-216-296-91 | SHORT | 0 | | | |
| JW109 | 1-216-296-91 | SHORT | 0 | | | |
| JW110 | 1-216-296-91 | SHORT | 0 | | | |
| JW111 | 1-216-296-91 | SHORT | 0 | | | |
| JW112 | 1-216-296-91 | SHORT | 0 | | | |
| JW113 | 1-216-296-91 | SHORT | 0 | | | |
| JW114 | 1-216-296-91 | SHORT | 0 | | | |
| JW115 | 1-216-296-91 | SHORT | 0 | | | |
| JW116 | 1-216-296-91 | SHORT | 0 | | | |
| JW117 | 1-216-296-91 | SHORT | 0 | | | |
| JW118 | 1-216-296-91 | SHORT | 0 | | | |
| JW119 | 1-216-296-91 | SHORT | 0 | | | |
| JW120 | 1-216-296-91 | SHORT | 0 | | | |
| < LIQUID CRYSTAL DISPLAY > | | | | | | |
| LCD100 | 1-803-910-11 | DISPLAY PANEL, LIQUID CRYSTAL | | | | |
| < TRANSISTOR > | | | | | | |
| Q100 | 8-729-024-91 | TRANSISTOR | 2SC2712-GL-TE85L | | | |
| Q101 | 8-729-024-91 | TRANSISTOR | 2SC2712-GL-TE85L | | | |
| Q102 | 8-729-024-91 | TRANSISTOR | 2SC2712-GL-TE85L | | | |
| < RESISTOR > | | | | | | |
| R100 | 1-216-023-91 | RES-CHIP | 82 | 5% | 1/10W | |
| R101 | 1-216-023-91 | RES-CHIP | 82 | 5% | 1/10W | |
| R102 | 1-216-023-91 | RES-CHIP | 82 | 5% | 1/10W | |
| R103 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | |
| R108 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | |
| R109 | 1-216-107-00 | METAL CHIP | 270K | 5% | 1/10W | |
| R112 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | |
| R113 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | |
| R116 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | |
| R117 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | |
| R120 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | |
| R121 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | |
| ***** | | | | | | |
| A-4428-322-A | HP-932 BOARD, COMPLETE (EXCEPT CH) | | | | | |
| A-4726-261-A | HP-932 BOARD, COMPLETE (CH) | | | | | |
| ***** | | | | | | |
| < CAPACITOR > | | | | | | |
| C300 | 1-163-011-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V | |
| C301 | 1-163-011-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V | |
| C302 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | |
| C303 | 1-124-234-00 | ELECT | 22uF | 20% | 16V | |
| C304 | 1-124-234-00 | ELECT | 22uF | 20% | 16V | |
| C305 | 1-163-011-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V | |

HP-932**LOADING****POWER**

| Ref. No. | Part No. | Description | Remark | | | |
|----------------|--------------|--|--------|--|--|--|
| < CONNECTOR > | | | | | | |
| CN300 | 1-779-000-11 | CONNECTOR, FFC/FPC 5P | | | | |
| < DIODE > | | | | | | |
| D300 | 8-719-914-42 | DIODE DA204K-T-146 | | | | |
| < JACK > | | | | | | |
| J300 | 1-566-891-21 | JACK (PHONES) | | | | |
| < COIL > | | | | | | |
| L300 | 1-410-387-11 | INDUCTOR CHIP 33uH | | | | |
| L301 | 1-410-387-11 | INDUCTOR CHIP 33uH | | | | |
| < TRANSISTOR > | | | | | | |
| Q300 | 8-729-046-97 | TRANSISTOR 2SD1938(F)-T(TX).SO | | | | |
| Q301 | 8-729-046-97 | TRANSISTOR 2SD1938(F)-T(TX).SO | | | | |
| < RESISTOR > | | | | | | |
| R300 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | | | | |
| R301 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | | | | |
| R302 | 1-216-021-00 | METAL CHIP 68 5% 1/10W | | | | |
| R303 | 1-216-021-00 | METAL CHIP 68 5% 1/10W | | | | |
| ***** | | | | | | |
| | 1-676-599-11 | LOADING BOARD | | | | |
| ***** | | | | | | |
| < CONNECTOR > | | | | | | |
| * CN1 | 1-568-943-11 | PIN, CONNECTOR 5P | | | | |
| < SWITCH > | | | | | | |
| S1 | 1-771-799-11 | SWITCH, LEVER (SLIDE) | | | | |
| ***** | | | | | | |
| | A-4428-327-A | POWER BOARD, COMPLETE (CND,US) | | | | |
| | A-4473-122-A | POWER BOARD, COMPLETE (AEP,AUS,CEN,CEU,KR,RU,UK) | | | | |
| | A-4473-132-A | POWER BOARD, COMPLETE (E32,EA3) | | | | |
| | A-4473-889-A | POWER BOARD, COMPLETE (MX) | | | | |
| | A-4475-197-A | POWER BOARD, COMPLETE (E12,HK,SP) | | | | |
| | A-4476-366-A | POWER BOARD, COMPLETE (TW) | | | | |
| | A-4726-265-A | POWER BOARD, COMPLETE (CH) | | | | |
| ***** | | | | | | |
| | 7-685-547-14 | SCREW +BTP 3X10 TYPE2 N-S | | | | |
| < CAPACITOR > | | | | | | |
| C101 | 1-126-959-11 | ELECT 0.47uF 20% 50V | | | | |
| C102 | 1-126-940-11 | ELECT 330uF 20% 25V | | | | |
| C103 | 1-136-846-11 | MYLAR 1.5uF 5% 50V | | | | |
| C104 | 1-136-846-11 | MYLAR 1.5uF 5% 50V | | | | |
| C105 | 1-136-173-91 | MYLAR 0.47uF 5% 50V | | | | |
| C111 | 1-163-019-00 | CAP, CHIP CERAMIC 6800PF 10% 50V | | | | |
| C112 | 1-163-019-00 | CAP, CHIP CERAMIC 6800PF 10% 50V | | | | |
| C113 | 1-163-251-11 | CAP, CHIP CERAMIC 100PF 5% 50V | | | | |
| C114 | 1-163-251-11 | CAP, CHIP CERAMIC 100PF 5% 50V | | | | |
| C131 | 1-126-959-11 | ELECT 0.47uF 20% 50V | | | | |

| Ref. No. | Part No. | Description | Remark | | | |
|----------|--------------|----------------------------------|--------|--|--|--|
| C132 | 1-126-940-11 | ELECT 330uF 20% 25V | | | | |
| C133 | 1-136-846-11 | MYLAR 1.5uF 5% 50V | | | | |
| C134 | 1-136-846-11 | MYLAR 1.5uF 5% 50V | | | | |
| C135 | 1-136-173-91 | MYLAR 0.47uF 5% 50V | | | | |
| C142 | 1-163-019-00 | CAP, CHIP CERAMIC 6800PF 10% 50V | | | | |
| C143 | 1-163-251-11 | CAP, CHIP CERAMIC 100PF 5% 50V | | | | |
| C144 | 1-163-251-11 | CAP, CHIP CERAMIC 100PF 5% 50V | | | | |
| C161 | 1-126-959-11 | ELECT 0.47uF 20% 50V | | | | |
| C162 | 1-126-940-11 | ELECT 330uF 20% 25V | | | | |
| C163 | 1-136-846-11 | MYLAR 1.5uF 5% 50V | | | | |
| C164 | 1-136-846-11 | MYLAR 1.5uF 5% 50V | | | | |
| C165 | 1-136-173-91 | MYLAR 0.47uF 5% 50V | | | | |
| C173 | 1-163-251-11 | CAP, CHIP CERAMIC 100PF 5% 50V | | | | |
| C174 | 1-163-251-11 | CAP, CHIP CERAMIC 100PF 5% 50V | | | | |
| C201 | 1-126-959-11 | ELECT 0.47uF 20% 50V | | | | |
| C202 | 1-126-940-11 | ELECT 330uF 20% 25V | | | | |
| C203 | 1-136-846-11 | MYLAR 1.5uF 5% 50V | | | | |
| C204 | 1-136-846-11 | MYLAR 1.5uF 5% 50V | | | | |
| C205 | 1-136-173-91 | MYLAR 0.47uF 5% 50V | | | | |
| C211 | 1-163-019-00 | CAP, CHIP CERAMIC 6800PF 10% 50V | | | | |
| C212 | 1-162-305-11 | CAP, CHIP CERAMIC 6800PF 20% 16V | | | | |
| C213 | 1-163-251-11 | CAP, CHIP CERAMIC 100PF 5% 50V | | | | |
| C214 | 1-163-251-11 | CAP, CHIP CERAMIC 100PF 5% 50V | | | | |
| C231 | 1-126-964-11 | ELECT 10uF 20% 50V | | | | |
| C232 | 1-126-940-11 | ELECT 330uF 20% 25V | | | | |
| C233 | 1-136-846-11 | MYLAR 1.5uF 5% 50V | | | | |
| C234 | 1-136-846-11 | MYLAR 1.5uF 5% 50V | | | | |
| C235 | 1-136-173-91 | MYLAR 0.47uF 5% 50V | | | | |
| C243 | 1-163-251-11 | CAP, CHIP CERAMIC 100PF 5% 50V | | | | |
| C261 | 1-126-959-11 | ELECT 0.47uF 20% 50V | | | | |
| C262 | 1-126-940-11 | ELECT 330uF 20% 25V | | | | |
| C263 | 1-136-846-11 | MYLAR 1.5uF 5% 50V | | | | |
| C264 | 1-136-846-11 | MYLAR 1.5uF 5% 50V | | | | |
| C265 | 1-136-173-91 | MYLAR 0.47uF 5% 50V | | | | |
| C271 | 1-162-305-11 | CAP, CHIP CERAMIC 6800PF 20% 16V | | | | |
| C272 | 1-163-019-00 | CAP, CHIP CERAMIC 6800PF 10% 50V | | | | |
| C273 | 1-163-251-11 | CAP, CHIP CERAMIC 100PF 5% 50V | | | | |
| C274 | 1-163-251-11 | CAP, CHIP CERAMIC 100PF 5% 50V | | | | |
| C301 | 1-126-934-11 | ELECT 220uF 20% 10V | | | | |
| C302 | 1-126-942-61 | ELECT 1000uF 20% 25V | | | | |
| C303 | 1-115-339-11 | CERAMIC CHIP 0.1uF 10% 50V | | | | |
| C304 | 1-115-339-11 | CERAMIC CHIP 0.1uF 10% 50V | | | | |
| C305 | 1-126-960-11 | ELECT 1uF 20% 50V | | | | |
| C306 | 1-115-339-11 | CERAMIC CHIP 0.1uF 10% 50V | | | | |
| C307 | 1-115-339-11 | CERAMIC CHIP 0.1uF 10% 50V | | | | |
| C308 | 1-126-960-11 | ELECT 1uF 20% 50V | | | | |
| C309 | 1-115-339-11 | CERAMIC CHIP 0.1uF 10% 50V | | | | |
| C310 | 1-136-165-00 | MYLAR 0.1uF 5% 50V | | | | |
| C311 | 1-126-940-11 | ELECT 330uF 20% 25V | | | | |
| C312 | 1-115-339-11 | CERAMIC CHIP 0.1uF 10% 50V | | | | |
| C313 | 1-115-339-11 | CERAMIC CHIP 0.1uF 10% 50V | | | | |
| C331 | 1-126-934-11 | ELECT 220uF 20% 10V | | | | |
| C332 | 1-126-942-61 | ELECT 1000uF 20% 25V | | | | |
| C333 | 1-115-339-11 | CERAMIC CHIP 0.1uF 10% 50V | | | | |
| C334 | 1-115-339-11 | CERAMIC CHIP 0.1uF 10% 50V | | | | |
| C335 | 1-126-960-11 | ELECT 1uF 20% 50V | | | | |
| C336 | 1-115-339-11 | CERAMIC CHIP 0.1uF 10% 50V | | | | |

POWER

| Ref. No. | Part No. | Description | Remark | | | Ref. No. | Part No. | Description | Remark | | |
|----------|--------------|------------------------|---------------------------|----------|------------------------|----------|--------------|-------------------------------|--------------------------------|-----|---------------------------|
| C337 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | C925 | 1-104-665-11 | ELECT | 100uF | 20% | 10V |
| C338 | 1-126-960-11 | ELECT | 1uF | 20% | 50V | C926 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| | | | (US,CND,AEP,UK,SP,HK,AUS) | | | C927 | 1-126-942-61 | ELECT | 1000uF | 20% | 25V |
| C339 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | | | | | | |
| C340 | 1-136-165-00 | MYLAR | 0.1uF | 5% | 50V | C928 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C341 | 1-126-940-11 | ELECT | 330uF | 20% | 25V | C929 | 1-104-665-11 | ELECT | 100uF | 20% | 10V |
| C342 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | C930 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C343 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | C931 | 1-104-665-11 | ELECT | 100uF | 20% | 10V |
| C361 | 1-126-934-11 | ELECT | 220uF | 20% | 10V | C932 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| | | | | | | | | | | | |
| C362 | 1-126-942-61 | ELECT | 1000uF | 20% | 25V | C933 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C363 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | C934 | 1-163-017-91 | CERAMIC CHIP | 4700PF | 5% | 25V |
| C364 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | C935 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C365 | 1-126-960-11 | ELECT | 1uF | 20% | 50V | | | | | | (AEP,UK,SP,HK,E32,AUS) |
| C366 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | C936 | 1-164-489-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| | | | | | | △C937 | 1-113-920-11 | CERAMIC | 0.0022uF | 20% | 250V |
| | | | | | | | | | | | |
| C367 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | C938 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C368 | 1-126-960-11 | ELECT | 1uF | 20% | 50V | | | | | | (AEP,UK,SP,HK,E32,AUS) |
| C369 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | C939 | 1-135-931-11 | CAP, CERAMIC | 0.047uF | | 630V |
| C370 | 1-136-165-00 | MYLAR | 0.1uF | 5% | 50V | | | | | | (AEP,UK,SP,HK,E32,AUS) |
| C371 | 1-126-940-11 | ELECT | 330uF | 20% | 25V | C941 | 1-107-426-91 | CAP, CERAMIC | 680PF | 10% | 1000V |
| | | | | | | | | | | | (US,CND) |
| C372 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | C941 | 1-135-932-11 | CAP, CERAMIC | 0.015uF | | 630V |
| C373 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | | | | | | (AEP,UK,SP,HK,E32,AUS) |
| C402 | 1-126-944-11 | ELECT | 3300uF | 20% | 25V | C942 | 1-107-426-91 | CAP, CERAMIC | 680PF | 10% | 1000V |
| C403 | 1-119-774-91 | ELECT | 100uF | 20% | 16V | | | | | | (US,CND) |
| | | | | | (AEP,UK,SP,HK,E32,AUS) | | | | | | |
| C404 | 1-119-774-91 | ELECT | 100uF | 20% | 16V | C945 | 1-117-703-51 | CERAMIC | 0.0047uF | 99% | 250V |
| | | | | | (AEP,UK,SP,HK,E32,AUS) | | | | | | |
| | | | | | | | | | | | < CONNECTOR > |
| C405 | 1-119-774-91 | ELECT | 100uF | 20% | 16V | | | | | | |
| | | | | | (AEP,UK,SP,HK,E32,AUS) | CN401 | 1-785-951-11 | CONNECTOR, FFC/FPC (ZIF) 18P | | | |
| △C901 | 1-115-165-11 | CAP, FILM | 0.1uF | 20% | 275V | CN402 | 1-573-846-11 | CONNECTOR, BOARD TO BOARD 14P | | | |
| △C902 | 1-115-165-11 | CAP, FILM | 0.1uF | 20% | 275V | | | | | | (US,CND,AEP,UK,SP,HK,AUS) |
| C903 | 1-107-423-91 | CAP, METALIZED PE FILM | 220PF | | 1000V | CN901 | 1-564-321-00 | PIN, CONNECTOR 2P | | | |
| | | | | | (AEP,UK,SP,HK,E32,AUS) | | | | | | < DIODE > |
| C903 | 1-135-839-31 | CAP, METALIZED PE FILM | 4700PF | (US,CND) | | | | | | | |
| | | | | | | D101 | 8-719-210-21 | DIODE | 11EQS04-TA1B | | |
| C904 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V | D102 | 8-719-210-21 | DIODE | 11EQS04-TA1B | | |
| △C905 | 1-113-920-11 | CERAMIC | 0.0022uF | 20% | 250V | D131 | 8-719-210-21 | DIODE | 11EQS04-TA1B | | |
| △C906 | 1-113-920-11 | CERAMIC | 0.0022uF | 20% | 250V | D132 | 8-719-210-21 | DIODE | 11EQS04-TA1B | | |
| △C907 | 1-135-591-11 | CAP, ELECT | 680uF | 20% | 200V | D161 | 8-719-210-21 | DIODE | 11EQS04-TA1B | | |
| | | | | | (US,CND) | | | | | | |
| △C907 | 1-135-921-11 | CAP, ELECT | 220uF | 20% | 400V | D162 | 8-719-210-21 | DIODE | 11EQS04-TA1B | | |
| | | | | | (AEP,UK,SP,HK,E32,AUS) | D201 | 8-719-210-21 | DIODE | 11EQS04-TA1B | | |
| | | | | | | D202 | 8-719-210-21 | DIODE | 11EQS04-TA1B | | |
| C908 | 1-128-576-11 | ELECT | 100uF | 20% | 63V | D231 | 8-719-210-21 | DIODE | 11EQS04-TA1B | | |
| C909 | 1-162-302-21 | CAP, CERAMIC | 2200PF | 20% | 16V | D232 | 8-719-210-21 | DIODE | 11EQS04-TA1B | | |
| | | | | | (US,CND) | | | | | | |
| C909 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | | | | | | |
| | | | | | (AEP,UK,SP,HK,E32,AUS) | D261 | 8-719-210-21 | DIODE | 11EQS04-TA1B | | |
| △C910 | 1-117-701-51 | CERAMIC | 0.0022uF | 99% | 250V | D262 | 8-719-210-21 | DIODE | 11EQS04-TA1B | | |
| C911 | 1-124-755-51 | ELECT | 3300uF | 20% | 16V | D301 | 8-719-073-01 | DIODE | MA111-(K8).SO | | |
| | | | | | | D302 | 8-719-404-50 | DIODE | MA111-TX | | |
| C912 | 1-115-789-11 | ELECT | 1000uF | 20% | 25V | D304 | 8-719-404-50 | DIODE | MA111-TX | | |
| C913 | 1-111-070-51 | ELECT | 2200uF | 20% | 25V | | | | | | |
| C914 | 1-111-070-51 | ELECT | 2200uF | 20% | 25V | D331 | 8-719-404-50 | DIODE | MA111-TX | | |
| C915 | 1-111-070-51 | ELECT | 2200uF | 20% | 25V | D332 | 8-719-404-50 | DIODE | MA111-TX | | |
| C916 | 1-163-021-91 | CERAMIC CHIP | 0.01uF | 10% | 50V | D334 | 8-719-404-50 | DIODE | MA111-TX | | |
| | | | | | | D361 | 8-719-404-50 | DIODE | MA111-TX | | |
| C917 | 1-126-942-61 | ELECT | 1000uF | 20% | 25V | D362 | 8-719-404-50 | DIODE | MA111-TX | | |
| C918 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | | | | | | |
| C919 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | D364 | 8-719-404-50 | DIODE | MA111-TX | | |
| C920 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V | D409 | 8-719-404-50 | DIODE | MA111-TX | | |
| C921 | 1-126-933-11 | ELECT | 100uF | 20% | 16V | D901 | 8-719-022-92 | DIODE | RBV-604 (US,CND) | | |
| | | | | | | D901 | 8-719-312-05 | DIODE | RBV-606 (AEP,UK,SP,HK,E32,AUS) | | |
| C922 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | | | | | | |
| C924 | 1-126-933-11 | ELECT | 100uF | 20% | 16V | | | | | | |

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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 |
|----------|--------------|--|--------|----------|--------------|-----------------------------|--------|
| D902 | 8-719-991-33 | DIODE 1SS133T-77 | | | | < COIL > | |
| D903 | 8-719-200-92 | DIODE 11EQS10-TA1 | | L101 | 1-419-281-11 | INDUCTOR 10uH | |
| D904 | 8-719-200-92 | DIODE 11EQS10-TA1 | | L102 | 1-419-281-11 | INDUCTOR 10uH | |
| D905 | 8-719-200-92 | DIODE 11EQS10-TA1 | | L131 | 1-419-281-11 | INDUCTOR 10uH | |
| D906 | 8-719-079-46 | DIODE FMB-G14L | | L132 | 1-419-281-11 | INDUCTOR 10uH | |
| D907 | 8-719-079-67 | DIODE FME-24H (US,CND) | | L161 | 1-419-281-11 | INDUCTOR 10uH | |
| D907 | 8-719-080-05 | DIODE FMB-26L (AEP,UK,SP,HK,E32,AUS) | | L162 | 1-419-281-11 | INDUCTOR 10uH | |
| D908 | 8-719-080-53 | DIODE RK36LF-B3(US,CND) | | L201 | 1-419-281-11 | INDUCTOR 10uH | |
| D908 | 8-719-080-06 | DIODE RK39LF-A4 (AEP,UK,SP,HK,E32,AUS) | | L202 | 1-419-281-11 | INDUCTOR 10uH | |
| D909 | 8-719-404-50 | DIODE MA111-TX | | L231 | 1-419-281-11 | INDUCTOR 10uH | |
| D910 | 8-719-210-21 | DIODE 11EQS04-TA1B | | L232 | 1-419-281-11 | INDUCTOR 10uH | |
| D911 | 8-719-200-82 | DIODE 11ES2 | | L261 | 1-419-281-11 | INDUCTOR 10uH | |
| D912 | 8-719-069-54 | DIODE UDZS-TE17-5.1B (US) | | L262 | 1-419-281-11 | INDUCTOR 10uH | |
| D913 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | △ L901 | 1-419-612-11 | COIL, LINE FILTER | |
| D914 | 8-719-200-82 | DIODE 11ES2-NTA1B | | L902 | 1-419-505-11 | COIL, CHOKE | |
| D915 | 8-719-200-82 | DIODE 11ES2 | | L903 | 1-419-506-11 | COIL, CHOKE | |
| D916 | 8-719-404-50 | DIODE MA111-TX | | L904 | 1-414-398-11 | INDUCTOR 10uH | |
| D917 | 8-719-404-50 | DIODE MA111-TX | | L905 | 1-414-398-11 | INDUCTOR 10uH | |
| D918 | 8-719-056-74 | DIODE UDZS-TE-17-3.0B | | L906 | 1-414-398-11 | INDUCTOR 10uH | |
| D919 | 8-719-404-50 | DIODE MA111-TX | | L907 | 1-414-398-11 | INDUCTOR 10uH | |
| D920 | 8-719-404-50 | DIODE MA111-TX | | L908 | 1-414-398-11 | INDUCTOR 10uH | |
| D921 | 8-719-982-33 | DIODE MTZJ-T-77-36D | | L909 | 1-414-398-11 | INDUCTOR 10uH | |
| D922 | 8-719-110-49 | DIODE MTZJ-T-77-18B | | L910 | 1-414-398-11 | INDUCTOR 10uH | |
| D923 | 8-719-080-26 | DIODE SRS01 (AEP,UK,SP,HK,E32,AUS) | | L911 | 1-414-398-11 | INDUCTOR 10uH | |
| D924 | 8-719-200-82 | DIODE 11ES2 | | L912 | 1-414-398-11 | INDUCTOR 10uH | |
| | | < GROUND TERMINAL > | | L913 | 1-414-398-11 | INDUCTOR 10uH | |
| EB901 | 1-537-770-21 | TERMINAL BOARD, GROUND | | L914 | 1-414-398-11 | INDUCTOR 10uH | |
| EB902 | 1-537-770-21 | TERMINAL BOARD, GROUND | | | | < PHOTO COUPLER > | |
| | | < FERRITE BEAD > | | PC901 | 8-719-801-22 | PHOTO COUPLER TLP621 | |
| FB901 | 1-412-473-21 | INDUCTOR 0UH | | | | < TRANSISTOR > | |
| | | < FUSE HOLDER > | | Q405 | 8-729-024-91 | TRANSISTOR 2SC2712-GL-TE85L | |
| FH901 | 1-533-313- | HOLDER, FUSE | | Q902 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| FH902 | 1-533-313- | HOLDER, FUSE | | Q903 | 8-729-111-29 | TRANSISTOR 2SD1616A-TP-LK | |
| | | < IC > | | Q904 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | |
| IC301 | 8-759-638-11 | IC TA2020-020 | | Q905 | 8-729-141-83 | TRANSISTOR 2SB1375 | |
| IC331 | 8-759-638-11 | IC TA2020-020 | | Q906 | 8-729-027-49 | TRANSISTOR DTC123EKA-T146 | |
| IC332 | 8-759-909-71 | IC BA4558F-E2 | | Q907 | 8-729-141-83 | TRANSISTOR 2SB1375 | |
| IC361 | 8-759-638-11 | IC TA2020-020 | | Q909 | 8-729-027-49 | TRANSISTOR DTC123EKA-T146 | |
| IC362 | 8-759-909-71 | IC BA4558F-E2 | | Q910 | 8-729-900-53 | TRANSISTOR DTC114EKA-T146 | |
| IC901 | 8-749-014-48 | IC STR-F6656 (US,CND) | | Q911 | 8-729-900-53 | TRANSISTOR DTC114EKA-T146 | |
| IC901 | 8-749-017-79 | IC STR-F6676 (AEP, UK,SP,HK,E32,AUS) | | Q912 | 8-729-024-91 | TRANSISTOR 2SC2712-GL-TE85L | |
| IC902 | 8-759-644-34 | IC SE013E | | Q913 | 8-729-024-91 | TRANSISTOR 2SC2712-GL-TE85L | |
| IC903 | 8-759-604-50 | IC M5F7910L | | Q914 | 8-729-024-91 | TRANSISTOR 2SC2712-GL-TE85L | |
| IC904 | 8-759-604-32 | IC M5F7810L | | Q915 | 8-729-900-53 | TRANSISTOR DTC114EKA-T146 | |
| IC905 | 8-759-450-47 | IC BA05T | | | | < RESISTOR > | |
| IC906 | 8-759-471-81 | IC PQ05RD11 | | R101 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| IC907 | 8-759-471-81 | IC PQ05RD11 | | R102 | 1-216-081-00 | METAL CHIP 22K 5% 1/10W | |
| IC908 | 8-759-659-28 | IC SI-8033S | | R103 | 1-260-076-11 | CARBON 10 5% 1/2W | |
| | | < JACK > | | R111 | 1-216-097-11 | RES. CHIP 100K 5% 1/10W | |
| J401 | 1-694-656-11 | TERMINAL BOARD | | R131 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| | | | | R132 | 1-216-081-00 | METAL CHIP 22K 5% 1/10W | |
| | | | | R133 | 1-260-076-11 | CARBON 10 5% 1/2W | |

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POWER

PROTECT

| Ref. No. | Part No. | Description | | | Remark | Ref. No. | Part No. | Description | | | Remark |
|----------|--------------|-----------------------|------|----|---------------------------------|----------|--------------|-------------------------------------|-------|-----|---------------------------------|
| R141 | 1-216-097-11 | RES. CHIP | 100K | 5% | 1/10W | | | | | | |
| R161 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | R927 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R162 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W | △ R928 | 1-202-725-00 | SOLID | 3.3M | 10% | 1/2W (US,CND) |
| R163 | 1-260-076-11 | CARBON | 10 | 5% | 1/2W | R929 | 1-216-079-00 | METAL CHIP | 18K | 5% | 1/10W |
| R171 | 1-216-097-11 | RES. CHIP | 100K | 5% | 1/10W | R931 | 1-216-079-91 | RES. CHIP | 18K | 5% | 1/10W (AEP,UK,SP,HK,E32,AUS) |
| R201 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | | | | | | |
| R202 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W | R931 | 1-216-089-11 | RES. CHIP | 47K | 5% | 1/10W (US,CND) |
| R203 | 1-260-076-11 | CARBON | 10 | 5% | 1/2W | | | | | | |
| | | | | | | | | | | | |
| R211 | 1-216-097-11 | RES. CHIP | 100K | 5% | 1/10W | R932 | 1-216-101-91 | RES. CHIP | 150K | 5% | 1/10W (AEP,UK,SP,HK,E32,AUS) |
| R231 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W | | | | | | |
| R232 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W | R932 | 1-216-113-00 | RES. CHIP | 470K | 5% | 1/10W (US,CND) |
| R233 | 1-260-076-11 | CARBON | 10 | 5% | 1/2W | | | | | | |
| R261 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | R933 | 1-216-067-00 | METAL CHIP | 5.6K | 5% | 1/10W |
| | | | | | | R934 | 1-216-059-91 | RES. CHIP | 2.7K | 5% | 1/10W (AEP,UK,SP,HK,E32,AUS) |
| R262 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W | | | | | | |
| R263 | 1-260-076-11 | CARBON | 10 | 5% | 1/2W | R934 | 1-216-067-00 | RES. CHIP | 5.6K | 5% | 1/10W (US,CND) |
| R271 | 1-216-097-11 | RES. CHIP | 100K | 5% | 1/10W | | | | | | |
| R301 | 1-216-071-00 | METAL CHIP | 8.2K | 5% | 1/10W | | | | | | |
| R331 | 1-216-071-00 | METAL CHIP | 8.2K | 5% | 1/10W | R935 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| | | | | | | R936 | 1-247-899-91 | RES. CARBON | 680K | 5% | 1/4W (AEP,UK,SP,HK,E32,AUS) |
| R361 | 1-216-071-00 | METAL CHIP | 8.2K | 5% | 1/10W | | | | | | |
| R411 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | R937 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R412 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W | R938 | 1-215-884-91 | RES. METAL OXIDE FILM | 47 | 5% | 2W (AEP,UK,SP,HK,E32,AUS) |
| R414 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | | | | | | |
| R900 | 1-202-725-51 | RES-CHIP | 3.3M | 5% | 1/10W (AEP,UK,SP,HK,E32,AUS) | | | | | | |
| | | | | | | | | < RELAY > | | | |
| R901 | 1-247-843-91 | RES. CARBON | 3.3K | 5% | 1/4W (AEP,UK,SP,HK,E32,AUS) | RY301 | 1-515-921-11 | RELAY (12V) | | | |
| | | | | | | RY331 | 1-515-921-11 | RELAY (12V) | | | |
| R901 | 1-249-426-11 | RES. CARBON | 5.6K | 5% | 1/4W (US,CND) | RY361 | 1-515-921-11 | RELAY (12V) | | | |
| | | | | | | | | | | | |
| R902 | 1-217-151-51 | RES. CARBON | 0.22 | 5% | 2W (AEP,UK,SP,HK,E32,AUS) | | | < TRANSFORMER > | | | |
| | | | | | | | | | | | |
| R902 | 1-249-472-11 | RES. CARBON | 0.68 | 5% | 1/2W (US,CND) | △ T901 | 1-435-348-11 | TRANSFORMER, POWER (US,CND) | | | |
| | | | | | | | | | | | |
| R903 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F | | | < THERMISTOR > | | | |
| | | | | | | | | | | | |
| R904 | 1-217-153-51 | RES, METAL PLATE | 0.47 | 5% | 2W (AEP,UK,SP,HK,E32,AUS) | TH901 | 1-803-916-11 | THERMISTOR, NTC | | | |
| | | | | | | | | | | | |
| R904 | 1-217-611-00 | RES, METAL PLATE | 0.1 | 5% | 1/2W (US,CND) | | | | | | |
| | | | | | | | | | | | |
| R905 | 1-215-877-81 | RES. METAL OXIDE FILM | 22K | 5% | 1W (US,CND) | | A-4428-329-A | PROTECT BOARD, COMPLETE (EXCEPT CH) | | | |
| | | | | | | | A-4726-264-A | PROTECT BOARD, COMPLETE (CH) | | | |
| R905 | 1-215-903-91 | RES. METAL OXIDE FILM | 68K | 5% | 2W (AEP,UK,SP,HK,E32,AUS) | | | ***** | | | |
| | | | | | | | | | | | |
| R906 | 1-216-296-11 | CONDUCTOR CHIP | | | 0 (US,CND) | | | < CAPACITOR > | | | |
| | | | | | | | | | | | |
| R907 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F | C109 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| R907 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | C110 | 1-127-573-91 | CERAMIC CHIP | 1uF | 10% | 16V |
| R908 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C139 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| R909 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F | C140 | 1-127-573-91 | CERAMIC CHIP | 1uF | 10% | 16V |
| R910 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | C169 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| | | | | | | | | | | | |
| R911 | 1-247-783-91 | RES. CARBON | 10 | 5% | 1/4W (AEP,UK,SP,HK,E32,AUS) | C170 | 1-127-573-91 | CERAMIC CHIP | 1uF | 10% | 16V |
| | | | | | | C209 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| R912 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W | C210 | 1-127-573-91 | CERAMIC CHIP | 1uF | 10% | 16V |
| R914 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | C239 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| R917 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W | C240 | 1-127-573-91 | CERAMIC CHIP | 1uF | 10% | 16V |
| R918 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | | | | | | |
| | | | | | | | | | | | |
| R919 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W | C269 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| R921 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | C270 | 1-127-573-91 | CERAMIC CHIP | 1uF | 10% | 16V |
| R923 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | C403 | 1-125-972-91 | ELECT | 100uF | 20% | 16V |
| R925 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | C404 | 1-125-972-91 | ELECT | 100uF | 20% | 16V |
| R926 | 1-216-041-00 | METAL CHIP | 470 | 5% | 1/10W | C405 | 1-125-972-91 | ELECT | 100uF | 20% | 16V |

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PROTECT**PW-932****SW-932**

| Ref. No. | Part No. | Description | Remark |
|----------------|--------------|-------------------------------|--------|
| < CONNECTOR > | | | |
| * CN403 | 1-573-828-11 | CONNECTOR, BOARD TO BOARD 14P | |
| < DIODE > | | | |
| D103 | 8-719-404-50 | DIODE MA111-TX | |
| D104 | 8-719-404-50 | DIODE MA111-TX | |
| D133 | 8-719-404-50 | DIODE MA111-TX | |
| D134 | 8-719-404-50 | DIODE MA111-TX | |
| D163 | 8-719-404-50 | DIODE MA111-TX | |
| D164 | 8-719-404-50 | DIODE MA111-TX | |
| D203 | 8-719-404-50 | DIODE MA111-TX | |
| D204 | 8-719-404-50 | DIODE MA111-TX | |
| D233 | 8-719-404-50 | DIODE MA111-TX | |
| D234 | 8-719-404-50 | DIODE MA111-TX | |
| D263 | 8-719-404-50 | DIODE MA111-TX | |
| D264 | 8-719-404-50 | DIODE MA111-TX | |
| D402 | 8-719-200-82 | DIODE 11ES2-NTA1B | |
| D404 | 8-719-109-93 | DIODE MTZJ-T-77-6.2B | |
| D405 | 8-719-404-50 | DIODE MA111-TX | |
| D406 | 8-719-404-50 | DIODE MA111-TX | |
| D407 | 8-719-404-50 | DIODE MA111-TX | |
| D408 | 8-719-404-50 | DIODE MA111-TX | |
| < IC > | | | |
| IC401 | 8-759-932-92 | IC MC14069UBF-T2 | |
| IC402 | 8-759-009-82 | IC MC14011BF-T2 | |
| IC403 | 8-759-932-92 | IC MC14069UBF-T2 | |
| < TRANSISTOR > | | | |
| Q401 | 8-729-119-78 | TRANSISTOR 2SC2785TP-HFE | |
| Q402 | 8-729-119-78 | TRANSISTOR 2SC2785TP-HFE | |
| Q403 | 8-729-119-78 | TRANSISTOR 2SC2785TP-HFE | |
| Q404 | 8-729-119-78 | TRANSISTOR 2SC2785TP-HFE | |
| Q406 | 8-729-119-78 | TRANSISTOR 2SC2785TP-HFE | |
| < RESISTOR > | | | |
| R108 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| R109 | 1-216-085-00 | METAL CHIP 33K 5% 1/10W | |
| R110 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| R138 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| R139 | 1-216-085-00 | METAL CHIP 33K 5% 1/10W | |
| R140 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| R168 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| R169 | 1-216-085-00 | METAL CHIP 33K 5% 1/10W | |
| R170 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| R208 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| R209 | 1-216-085-00 | METAL CHIP 33K 5% 1/10W | |
| R210 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| R238 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| R239 | 1-216-085-00 | METAL CHIP 33K 5% 1/10W | |
| R240 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| R268 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| R269 | 1-216-085-00 | METAL CHIP 33K 5% 1/10W | |
| R270 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| R401 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| R402 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| R403 | 1-216-113-00 | METAL CHIP 470K 5% 1/10W | |

| Ref. No. | Part No. | Description | | | Remark |
|--------------|--------------|---------------------------------------|----------------|----|--------|
| R404 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R405 | 1-216-121-91 | RES-CHIP | 1M | 5% | 1/10W |
| R406 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R407 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| | | | | | |
| R408 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R409 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R410 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R413 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| ***** | | | | | |
| A-4428-321-A | | PW-932 BOARD, COMPLETE (EXCEPT CH) | | | |
| A-4726-260-A | | PW-932 BOARD, COMPLETE (CH) | | | |
| | | ***** | | | |
| | | < CONNECTOR > | | | |
| * CN400 | 1-568-942-11 | PIN, CONNECTOR 4P | | | |
| | | < DIODE > | | | |
| D400 | 8-719-079-48 | DIODE SMLS72423C-TP15 (POWER STANDBY) | | | |
| | | < TRANSISTOR > | | | |
| Q400 | 8-729-027-23 | TRANSISTOR | DTA114EKA-T146 | | |
| Q401 | 8-729-027-23 | TRANSISTOR | DTA114EKA-T146 | | |
| Q402 | 8-729-900-53 | TRANSISTOR | DTC114EKA-T146 | | |
| | | < RESISTOR > | | | |
| R400 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R401 | 1-216-049-91 | METAL CHIP | 1K | 5% | 1/10W |
| | | < SWITCH > | | | |
| S400 | 1-571-760-11 | SWITCH, KEY BOARD (I/⏏) | | | |
| ***** | | | | | |
| A-4428-320-A | | SW-932 BOARD, COMPLETE (EXCEPT CH) | | | |
| A-4726-259-A | | SW-932 BOARD, COMPLETE (CH) | | | |
| | | ***** | | | |
| 4-226-334-01 | | KNOB (CURSOR) | | | |
| 4-931-757-31 | | SCREW (DIA.2.6X8) (IT3B), TAPPING | | | |
| | | < JUMPER RESISTOR > | | | |
| JW200 | 1-216-296-91 | SHORT | 0 | | |
| JW201 | 1-216-296-91 | SHORT | 0 | | |
| JW202 | 1-216-296-91 | SHORT | 0 | | |
| | | < RESISTOR > | | | |
| R200 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R201 | 1-216-059-00 | METAL CHIP | 2.7K | 5% | 1/10W |
| R202 | 1-216-077-91 | RES-CHIP | 15K | 5% | 1/10W |
| R203 | 1-216-059-00 | METAL CHIP | 2.7K | 5% | 1/10W |
| R204 | 1-216-077-91 | RES-CHIP | 15K | 5% | 1/10W |
| | | | | | |
| R205 | 1-216-055-00 | METAL CHIP | 1.8K | 5% | 1/10W |
| R206 | 1-216-071-00 | METAL CHIP | 8.2K | 5% | 1/10W |
| R207 | 1-216-055-00 | METAL CHIP | 1.8K | 5% | 1/10W |
| R208 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R209 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| | | | | | |
| R210 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |

| Ref. No. | Part No. | Description | Remark | | |
|---------------|--------------|--------------------------------------|----------|-----|-------|
| R211 | 1-216-071-00 | METAL CHIP | 8.2K | 5% | 1/10W |
| R212 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R213 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R214 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R215 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R216 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R217 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| < SWITCH > | | | | | |
| S201 | 1-571-760-11 | SWITCH, KEY BOARD (■) | | | |
| S202 | 1-571-760-11 | SWITCH, KEY BOARD (▶▶) | | | |
| S203 | 1-571-760-11 | SWITCH, KEY BOARD (BAND) | | | |
| S205 | 1-571-760-11 | SWITCH, KEY BOARD (■) | | | |
| S206 | 1-571-760-11 | SWITCH, KEY BOARD (◀◀) | | | |
| S207 | 1-571-760-11 | SWITCH, KEY BOARD (SOUND FIELD) | | | |
| S209 | 1-571-760-11 | SWITCH, KEY BOARD (▷) | | | |
| S210 | 1-571-760-11 | SWITCH, KEY BOARD (FUNCTION) | | | |
| S211 | 1-571-760-11 | SWITCH, KEY BOARD (MUTE) | | | |
| S213 | 1-571-760-11 | SWITCH, KEY BOARD (DVD MUTE) | | | |
| S214 | 1-571-760-11 | SWITCH, KEY BOARD (⊕) | | | |
| S215 | 1-571-760-11 | SWITCH, KEY BOARD (TITLE) | | | |
| S216 | 1-771-879-11 | SWITCH, TACTILE (◀ ▶ ▶ ▶ PUSH ENTER) | | | |
| S217 | 1-571-760-11 | SWITCH, KEY BOARD (RETURN) | | | |
| S218 | 1-571-760-11 | SWITCH, KEY BOARD (DISPLAY) | | | |
| ***** | | | | | |
| A-4724-996-A | | TK BOARD, COMPLETE | | | |
| ***** | | | | | |
| < CAPACITOR > | | | | | |
| C004 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C005 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C006 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C007 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C008 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C009 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C010 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C011 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C012 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C013 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C014 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C015 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C016 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C017 | 1-164-172-11 | CERAMIC CHIP | 0.0056uF | 10% | 25V |
| C018 | 1-164-739-11 | CERAMIC CHIP | 560PF | 5% | 50V |
| C019 | 1-164-172-11 | CERAMIC CHIP | 0.0056uF | 10% | 25V |
| C020 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C021 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C022 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C023 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C024 | 1-164-730-11 | CERAMIC CHIP | 0.0012uF | 10% | 50V |
| C025 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C026 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C027 | 1-164-217-11 | CERAMIC CHIP | 150PF | 5% | 50V |
| C028 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C029 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C030 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |

| Ref. No. | Part No. | Description | | | Remark |
|----------------|--------------|-----------------------------------|-----------------|-----|--------|
| C031 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C032 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C033 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C034 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C035 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C036 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C037 | 1-164-739-11 | CERAMIC CHIP | 560PF | 5% | 50V |
| C038 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C039 | 1-107-826-91 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C040 | 1-162-969-11 | CERAMIC CHIP | 0.0068uF | 10% | 25V |
| C041 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C043 | 1-164-789-11 | CERAMIC CHIP | 0.22uF | 10% | 50V |
| < CONNECTOR > | | | | | |
| CN001 | 1-573-363-21 | CONNECTOR, FFC/FPC 23P | | | |
| CN002 | 1-566-529-11 | CONNECTOR, FPC (ZIF) 13P | | | |
| CN003 | 1-784-870-21 | CONNECTOR, FFC (LIF(NON-ZIF)) 18P | | | |
| CN004 | 1-784-870-21 | CONNECTOR, FFC (LIF(NON-ZIF)) 18P | | | |
| < DIODE > | | | | | |
| D003 | 8-719-073-01 | DIODE MA111-(K8).S0 | | | |
| < IC > | | | | | |
| IC001 | 8-759-567-24 | IC SSI33P3722 | | | |
| < COIL > | | | | | |
| L001 | 1-412-031-11 | INDUCTOR CHIP | 47uH | | |
| < TRANSISTOR > | | | | | |
| Q001 | 8-729-903-46 | TRANSISTOR | 2SB1132-T100-QR | | |
| Q002 | 8-729-015-76 | TRANSISTOR | UN5211-TX | | |
| < RESISTOR > | | | | | |
| R001 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W |
| R002 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R003 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R004 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R005 | 1-216-013-00 | METAL CHIP | 33 | 5% | 1/10W |
| R006 | 1-216-013-00 | METAL CHIP | 33 | 5% | 1/10W |
| R007 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R008 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/16W |
| R009 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/16W |
| R010 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R012 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R014 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R015 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R016 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R017 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R018 | 1-216-833-91 | RES-CHIP | 10K | 5% | 1/16W |
| R022 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/16W |
| R023 | 1-216-820-11 | METAL CHIP | 820 | 5% | 1/16W |
| R025 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W |
| R026 | 1-216-864-11 | METAL CHIP | 0 | 5% | 1/16W |
| R029 | 1-216-861-11 | METAL CHIP | 2.2M | 5% | 1/16W |

TUNER**VIDEO****VL-932**

| Ref. No. | Part No. | Description | Remark | | |
|----------------|-----------------------------------|--------------------------------|------------------|-----|-----|
| A-4424-428-A | TUNER BOARD, COMPLETE (CND,US) | | | | |
| A-4424-647-A | TUNER BOARD, COMPLETE | | | | |
| | (AEP,CEN,CEU,CH,KR,TW,UK) | | | | |
| A-4424-650-A | TUNER BOARD, COMPLETE | | | | |
| | (AUS,E12,E32,EA3,HK,MX,RU,SP) | | | | |
| ***** | | | | | |
| A-4428-332-A | VIDEO BOARD, COMPLETE (EXCEPT CH) | | | | |
| A-4726-267-A | VIDEO BOARD, COMPLETE (CH) | | | | |
| ***** | | | | | |
| < CAPACITOR > | | | | | |
| C700 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C701 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C702 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C704 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C705 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C706 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C707 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C708 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C709 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C710 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C711 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C712 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C713 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C714 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C715 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C716 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C717 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C718 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C719 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C720 | 1-216-295-91 | SHORT | 0 | | |
| C721 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C722 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C723 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| < CONNECTOR > | | | | | |
| CN700 | 1-784-455-11 | CONNECTOR, FFC/FPC 13P | | | |
| < IC > | | | | | |
| IC700 | 8-759-696-10 | IC NJM2235V (TE2) | | | |
| IC701 | 8-759-663-94 | IC LA7106M-TLM | | | |
| IC702 | 8-759-284-49 | IC NJM2285V | | | |
| < JACK > | | | | | |
| J700 | 1-794-035-11 | JACK, PIN (WITH 4P S TERMINAL) | | | |
| < COIL > | | | | | |
| L700 | 1-469-525-91 | INDUCTOR | 10uH | | |
| L701 | 1-469-525-91 | INDUCTOR | 10uH | | |
| L702 | 1-469-525-91 | INDUCTOR | 10uH | | |
| < TRANSISTOR > | | | | | |
| Q700 | 8-729-026-49 | TRANSISTOR | 2SA1037AK-T146-R | | |
| Q701 | 8-729-027-23 | TRANSISTOR | DTA114EKA-T146 | | |
| Q702 | 1-801-806-11 | TRANSISTOR | DTC144EKA-T146 | | |
| Q703 | 8-729-024-91 | TRANSISTOR | 2SC2712-GL-TE85L | | |
| Q704 | 8-729-024-91 | TRANSISTOR | 2SC2712-GL-TE85L | | |

| Ref. No. | Part No. | Description | Remark | | |
|---------------|--------------|------------------------------------|--------|--------|-------|
| < RESISTOR > | | | | | |
| R700 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R701 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R702 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R703 | 1-216-022-00 | METAL CHIP | 75 | 5% | 1/10W |
| R704 | 1-216-022-00 | METAL CHIP | 75 | 5% | 1/10W |
| R705 | 1-216-022-00 | METAL CHIP | 75 | 5% | 1/10W |
| R706 | 1-216-022-00 | METAL CHIP | 75 | 5% | 1/10W |
| R707 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R708 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R709 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R710 | 1-216-022-00 | METAL CHIP | 75 | 5% | 1/10W |
| R711 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R712 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R713 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W |
| R714 | 1-216-022-00 | METAL CHIP | 75 | 5% | 1/10W |
| R716 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R718 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R719 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R720 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R721 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R722 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R723 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W |
| R724 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R725 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R726 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| ***** | | | | | |
| | A-4428-324-A | VL-932 BOARD, COMPLETE (EXCEPT CH) | | | |
| | A-4726-263-A | VL-932 BOARD, COMPLETE (CH) | | | |
| ***** | | | | | |
| < CAPACITOR > | | | | | |
| C500 | 1-163-021-91 | CERAMIC CHIP | 0.01uF | 10.00% | 50V |
| C501 | 1-163-021-91 | CERAMIC CHIP | 0.01uF | 10.00% | 50V |
| < SWITCH > | | | | | |
| S500 | 1-473-392-11 | ENCODER, ROTARY (VOLUME) | | | |

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|--------|
| | | MISCELLANEOUS | |
| | | ***** | |
| 13 | 1-770-019-11 | ADAPTOR, CONVERSION PLUG 3P (UK,HK) | |
| 14 | 1-792-403-11 | CABLE, FLAT (14 core) | |
| 15 | 1-792-404-11 | CABLE, FLAT (5 core) | |
| 17 | 1-792-406-11 | CABLE, FLAT (13 core) | |
| 18 | 1-792-399-11 | CABLE, FLAT (18 core) | |
| 19 | 1-792-400-11 | CABLE, FLAT (18core) | |
| 20 | 1-792-401-11 | CABLE, FLAT (7 core) | |
| 21 | 1-792-402-11 | CABLE, FLAT (27 core) | |
| 112 | A-4672-891-A | MOTOR (LD) ASSY | |
| △ 117 | 8-820-081-09 | OPTICAL PICK-UP KHM220AAA/J1N1 | |
| △ CNP901 | 1-690-608-11 | CORD, POWER (AUS) | |
| △ CNP901 | 1-696-169-22 | CORD, POWER (AEP,UK,CEN,CEU,RU,EA,E12,E32,SP,HK,TW) | |
| △ CNP901 | 1-769-079-22 | CORD, POWER (KR) | |
| △ CNP901 | 1-775-789-91 | CORD, POWER (MX) | |
| △ CNP901 | 1-782-464-21 | CORD, POWER (CH) | |
| △ CNP901 | 1-783-531-61 | CORD, POWER (US,CND) | |
| △ F901 | 1-533-470-11 | FUSE GLASS (T3.15A/250V)(EXCEPT US,CND) | |
| △ F901 | 1-576-375-11 | FUSE GLASS (3.15A/125V)(US,CND) | |
| LCD100 | 1-803-910-11 | DISPLAY PANEL, LIQUID CRYSTAL | |

HARDWARE LIST

| | | |
|----|--------------|----------------------------|
| #1 | 7-685-246-14 | SCREW +KTP 3X8 TYPE2 N-S |
| #2 | 7-685-533-19 | SCREW +BTP 2.6X6 TYPE2 N-S |
| #3 | 7-685-546-14 | SCREW +BTP 3X8 TYPE2 N-S |

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

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.

REVISION HISTORY

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

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

[illegible]