HCD-DZ830W/DZ850KW

SERVICE MANUAL

Self Diagnosis Supported model

Ver. 1.1 2007.06

AEP Model
UK Model
HCD-DZ830W
E Model
Australian Model
HCD-DZ850KW

Photo : HCD-DZ850KW

HCD-DZ830W/DZ850KW are the amplifier, DVD/CD and tuner section in DAV-DZ830W/DZ850KW.

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

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

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

Model Name Using Similar Mechanism	HCD-DZ150K
Mechanism Type	CDM85-DVBU102
Optical Pick-up Name	KHM-313CAA

SPECIFICATIONS

Amplifier section

DZ830W:

Stereo mode (rated): 108 W + 108 W (at 3 ohms, 1 kHz, 1 % THD)

Surround mode (reference): RMS output power
FL/FR/C/SL/SR*: 143 watts (per channel at 3 ohms, 1 kHz, 10 % THD)
SL/SR*: 100 watts (with SA-TS76W/SS-TS75)
Subwoofer*: 285 watts (at 1.5 ohms, 80 Hz, 10 % THD)

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

Inputs (Analog)
TV (AUDIO IN): Sensitivity: 450/250 mV
SAT/CABLE (AUDIO IN): Sensitivity: 450/250 mV
AUDIO IN: Sensitivity: 250/125 mV
Inputs (Digital)
SAT/CABLE (COAXIAL IN/OPTICAL IN)
Impedance: 75 ohms/–
Outputs (Analog)
Phones: Accepts low-and high-impedance headphones.

DZ850KW:

Mexican models:

Stereo mode (rated): 108 W + 108 W (at 3 ohms, 1 kHz, 1 % THD)

Surround mode (reference): RMS output power
FL/FR/C/SL/SR*: 143 watts (per channel at 3 ohms, 1 kHz, 10 % THD)
SL/SR*: 100 watts (with SA-TS76W/SS-TS75)
Subwoofer*: 285 watts (at 1.5 ohms, 80 Hz, 10 % THD)

Latin American models:

Stereo mode (rated): 100 W + 100 W (at 3 ohms, 1 kHz, 1 % THD)

Surround mode (reference): RMS output power
FL/FR/C/SL/SR*: 133 watts (per channel at 3 ohms, 1 kHz, 10 % THD)
SL/SR*: 80 watts (with SA-TS76W/SS-TS75)
Subwoofer*: 235 watts (at 1.5 ohms, 80 Hz, 10 % THD)

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

Other models:

Stereo mode (rated): 108 W + 108 W (at 3 ohms, 1 kHz, 1 % THD)

Surround mode (reference): RMS output power
FL/FR/C/SL/SR*: 143 watts (per channel at 3 ohms, 1 kHz, 10 % THD)
SL/SR*: 100 watts (with SA-TS76W/SS-TS75)
Subwoofer*: 285 watts (at 1.5 ohms, 80 Hz, 10 % THD)

Inputs (Analog)
TV (AUDIO IN): Sensitivity: 450/250 mV
SAT/CABLE (AUDIO IN): Sensitivity: 450/250 mV
AUDIO IN/MIC 1: Sensitivity:
AUDIO IN 250/125 mV/
MIC 1 1 mV
MIC 2: Sensitivity: 1 mV
Inputs (Digital)
SAT/CABLE (COAXIAL IN/OPTICAL IN)
Impedance: 75 ohms/–

— Continued on next page —

DVD RECEIVER

9-887-642-02
2007F16-1

Sony Corporation
Home Audio Division
Published by Sony Techno Create Corporation

SONY

HCD-DZ830W/DZ850KW

Ver. 1.1

DVD system

Laser: Semiconductor laser (DVD: λ = 650 nm) (CD: λ = 790 nm) Emission duration: continuous

Signal format system

Mexican and Latin American models: NTSC

Other models: NTSC/PAL

Tuner section

System: PLL quartz-locked digital synthesizer

FM tuner section

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

Antenna (aerial): FM wire antenna (aerial)

Antenna (aerial) terminals: 75 ohms, unbalanced

Intermediate frequency: 10.7 MHz

AM tuner section

Tuning range

Mexican, and Latin American models: 530 – 1,710 kHz (with the interval set at 10 kHz) 531 – 1,710 kHz (with the interval set at 9 kHz)

European models: 531 – 1,602 kHz (with the interval set at 9 kHz)

Australian and New Zealand models: 531 – 1,710 kHz (with the interval set at 9 kHz) 530 – 1,710 kHz (with the interval set at 10 kHz)

Other models: 531 – 1,602 kHz (with the interval set at 9 kHz) 530 – 1,610 kHz (with the interval set at 10 kHz)

Antenna (aerial): AM loop antenna (aerial)

Intermediate frequency: 450 kHz

Video section

Outputs: DZ830W: VIDEO: 1 Vp-p 75 ohms COMPONENT: Y: 1 Vp-p 75 ohms P_B/C_B, P_R/C_R: 0.7 Vp-p 75 ohms R/G/B: 0.7 Vp-p 75 ohms HDMI OUT: Type A (19 pin) DZ850KW: VIDEO: 1 Vp-p 75 ohms S VIDEO: Y: 1 Vp-p 75 ohms C: 0.286 Vp-p 75 ohms COMPONENT: Y: 1 Vp-p 75 ohms P_B/C_B, P_R/C_R: 0.7 Vp-p 75 ohms HDMI OUT: Type A (19 pin)

Inputs (DZ850KW): VIDEO: 1 Vp-p 75 ohms

General

Power requirements

Mexican models: 120 V AC, 60 Hz

Latin American models: 110 - 240 V AC, 50/60 Hz

Taiwan models: 120 V AC, 50/60 Hz

Other models: 220 - 240 V AC, 50/60 Hz

Power consumption

Mexican models: On: 180 W Standby: 0.3 W (at the Power Saving mode)

Latin American models: On: 190 W Standby: 0.3 W (at the Power Saving mode)

Other models: On: 180 W Standby: 0.3 W (at the Power Saving mode)

Output voltage (DIGITAL MEDIA PORT) (except for Mexican and Latin American models) DC 5 V

Output current (DIGITAL MEDIA PORT) (except for Mexican and Latin American models) 700 mA

Dimensions (approx.) 430 × 63 × 380 mm (w/h/d) incl. projecting parts

Mass (approx.) 4.2 kg

Design and specifications are subject to change without notice.

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

This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear exterior. (Except for Korean model)

CAUTION

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

Notes on chip component replacement

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

Flexible Circuit Board Repairing

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

UNLEADED SOLDER

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

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

: LEAD FREE MARK

Unleaded solder has the following characteristics.

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

SAFETY-RELATED COMPONENT WARNING!!

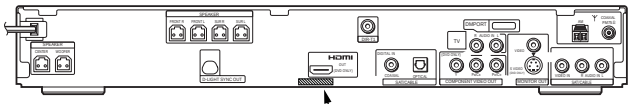
COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Special Component Notice

The components identified by mark 🔒 contain confidential information.

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

MODEL IDENTIFICATION
– Rear Panel –



Parts No.

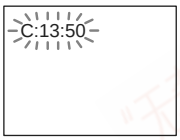
Model	Part No.
DZ830W: AEP, UK models	2-889-997-7
DZ850KW: E3 model	2-896-164-1
DZ850KW: SP model	2-896-164-2
DZ850KW: AUS model	2-896-164-3
DZ850KW: KR model	2-896-164-4
DZ850KW: E32 model	2-896-164-5
DZ850KW: MX model	2-896-164-8
DZ850KW: TW model	2-896-164-9

- Abbreviation
  AUS : Australian model
  E3 : 220 – 240V AC area in E model
  E32 : 110 – 240V AC area in E model
  KR : Korean model
  MX : Mexican model
  SP : Singapore model
  TW : Taiwan model

Self-diagnosis Function

(When letters/numbers appear in the display)

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



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

When displaying the version number on the TV screen

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

TABLE OF CONTENTS

- Abbreviation
  E32 : 110 – 240V AC area in E model
  MX : Mexican model

SECTION 1
SERVICING NOTE

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

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

NOTES ON LASER DIODE EMISSION CHECK

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

DISC TRAY LOCK

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

Setting Procedure :

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

Releasing Procedure :

1. Press the ■ button and the ⏏ button simultaneously for five seconds again.
2. The message “UNLOCKED” is displayed and the tray is unlocked.

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

On cleaning discs, disc/lens cleaners

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

IMPORTANT NOTICE

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

Attention when transported

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

Procedure:

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

Note about CDs/DVDs

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

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

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

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

Example of discs that the system cannot play

The system cannot play the following discs:

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

Also, the system cannot play the following discs:

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

Notes about CD-R/CD-RW/DVD-R/DVD-RW/DVD+R/DVD+RW

In some cases, CD-R/CD-RW/DVD-R/DVD-RW/DVD+R/DVD+RW cannot be played on this system due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.
The disc will not play if it has not been correctly finalized. For more information, see the operating instructions for the recording device.
Note that some playback functions may not work with some DVD+RWs/DVD+Rs, even if they have been correctly finalized. In this case, view the disc by normal playback. Also some DATA CDs/DATA DVDs created in Packet Write format cannot be played.

Copyrights

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

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

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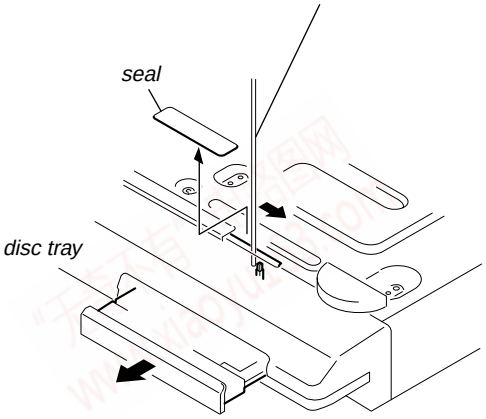
How to open the disc table when power switch turns off

Insert a tapering driver into the aperture of the unit bottom, and slide it in the direction of the arrow.

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

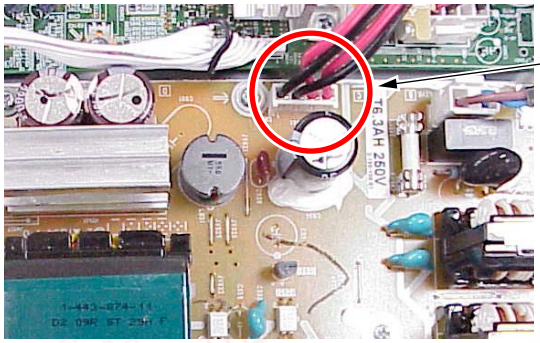


Discharge the charged electricity in capacitors to prevent electric shock as follows

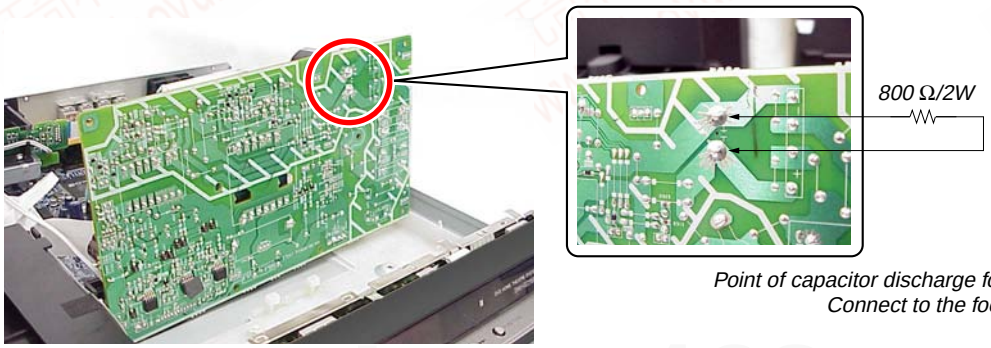
When disassembling the machine, be sure to discharge the charged electricity in the following capacitors.
Use a resistor of 800 ohms, 2 Watts for discharging the following capacitors.

POWER board
C903: 440 V (DZ850KW) / 390 V (DZ830W)
C932, C933, C934, CN904: 30 V

MAIN board
CN3002: 30 V



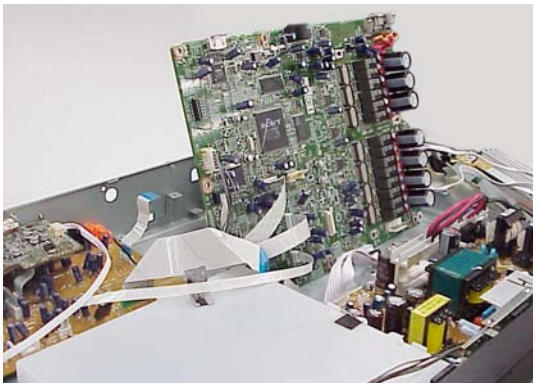
Point of capacitor discharge for C932, C933, C934:
Connect to the red and black wire of CN904



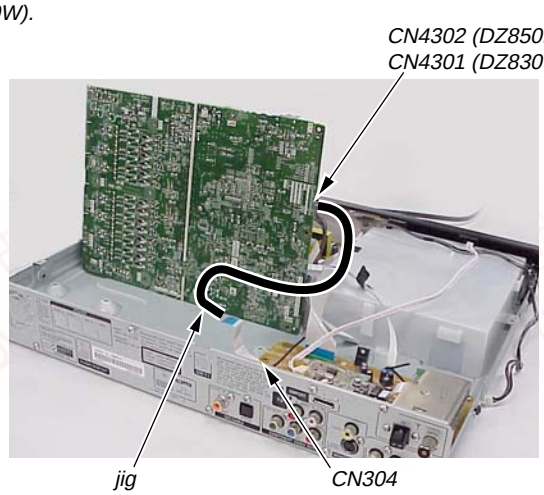
Point of capacitor discharge for C903:
Connect to the foot of CN903

MAIN board service position

Please take the above-mentioned position in the repair of MAIN board.
In that case, it is necessary the following extension cable during CN304 on IO-S-OUT board and CN4302 on MAIN board (DZ850KW), CN304 on IO-SCART board and CN4301 on MAIN board (DZ830W).



MAIN board service position



DZ830W : jig P/N: J-2501-102-A
(pitch 1.00 mm/13p/length 300 mm)
DZ850KW : jig P/N: J-2501-242-A
(pitch 1.00 mm/11p/length 300 mm)

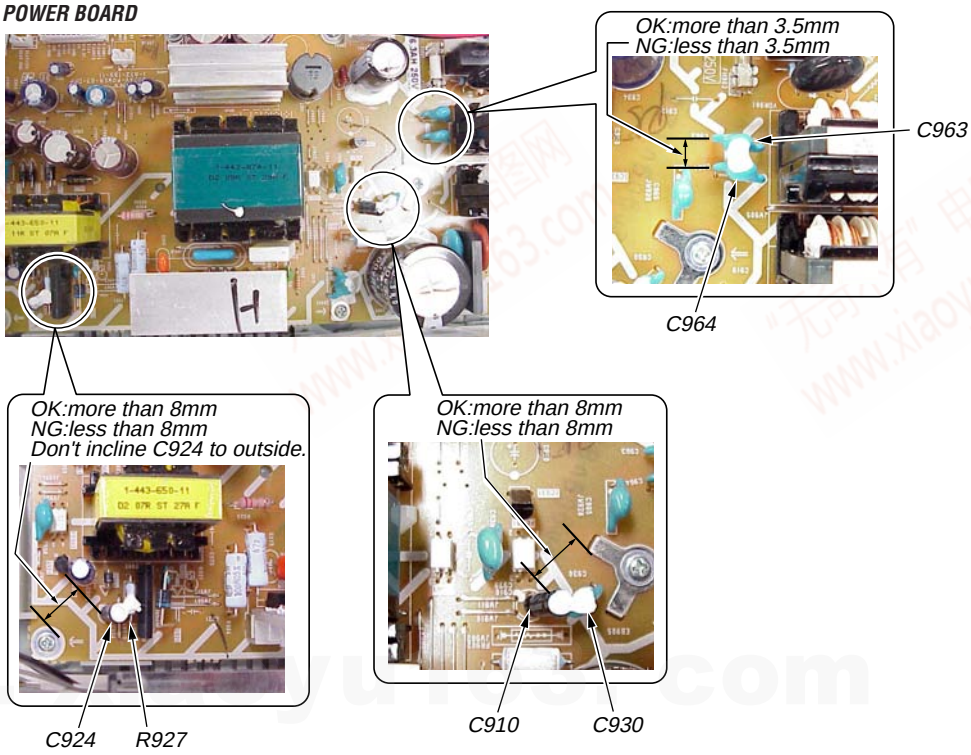
Parts that require fixing using adhesive agent

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

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

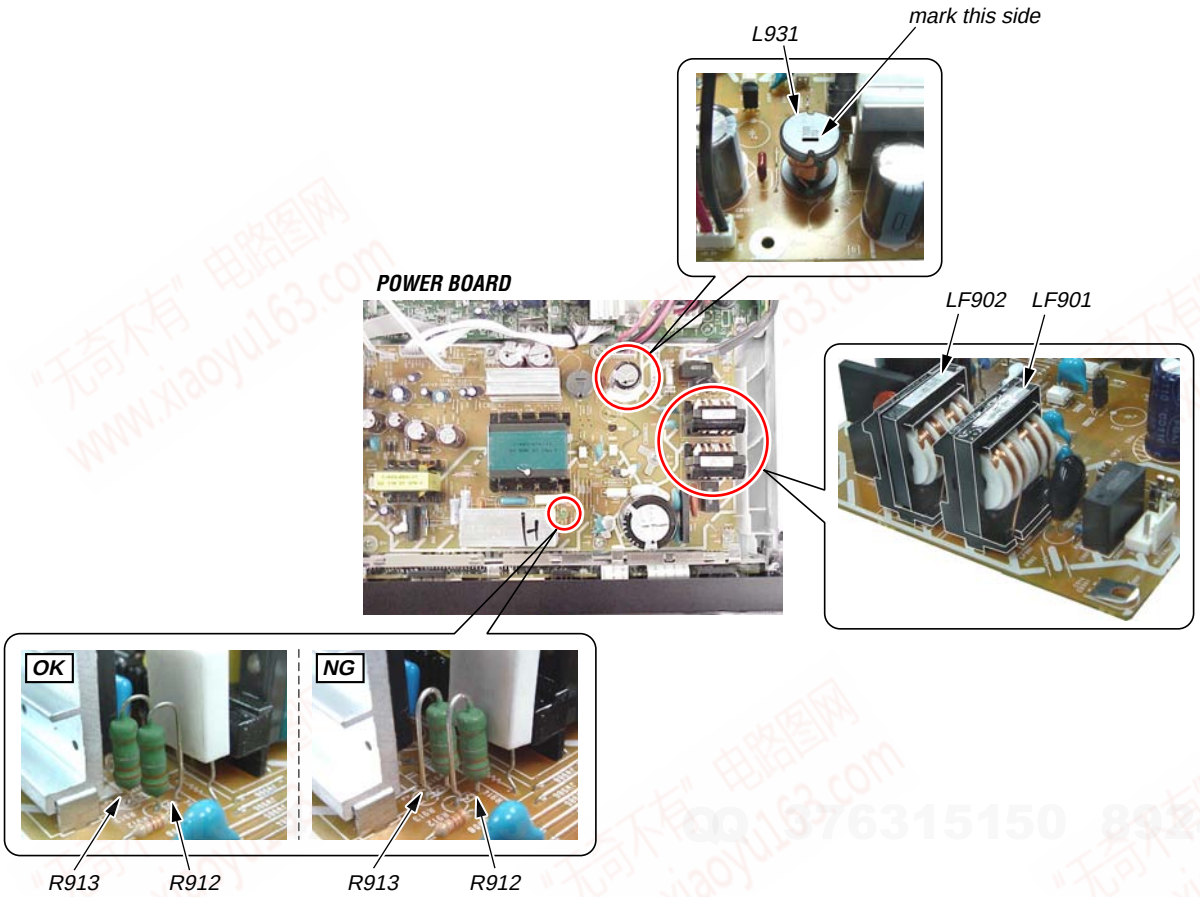
MAIN board : • C3081 and C3082
(Bend down C3081 to C3082)(DZ830W only)

POWER BOARD

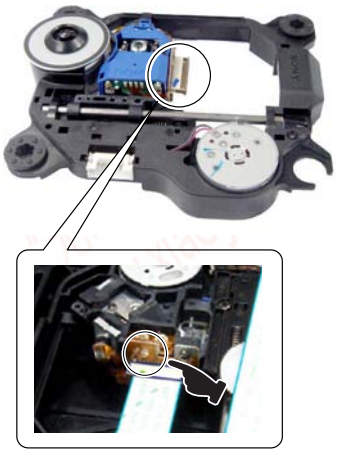


Attention of the direction at replacement

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



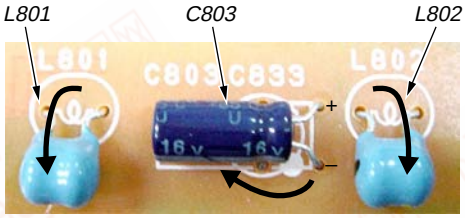
Precaution when installing a new OP unit / Precaution before unsoldering the static electricity prevention solder bridge



When installing a new OP unit, be sure to connect the flexible printed circuit board first of all before removing the static electricity prevention solder bridge by unsoldering.
Remove the static electricity prevention solder bridge by unsoldering after the flexible printed circuit board has already been connected.
(Do not remove nor unsolder the solder bridge as long as the OP unit is kept standalone.)

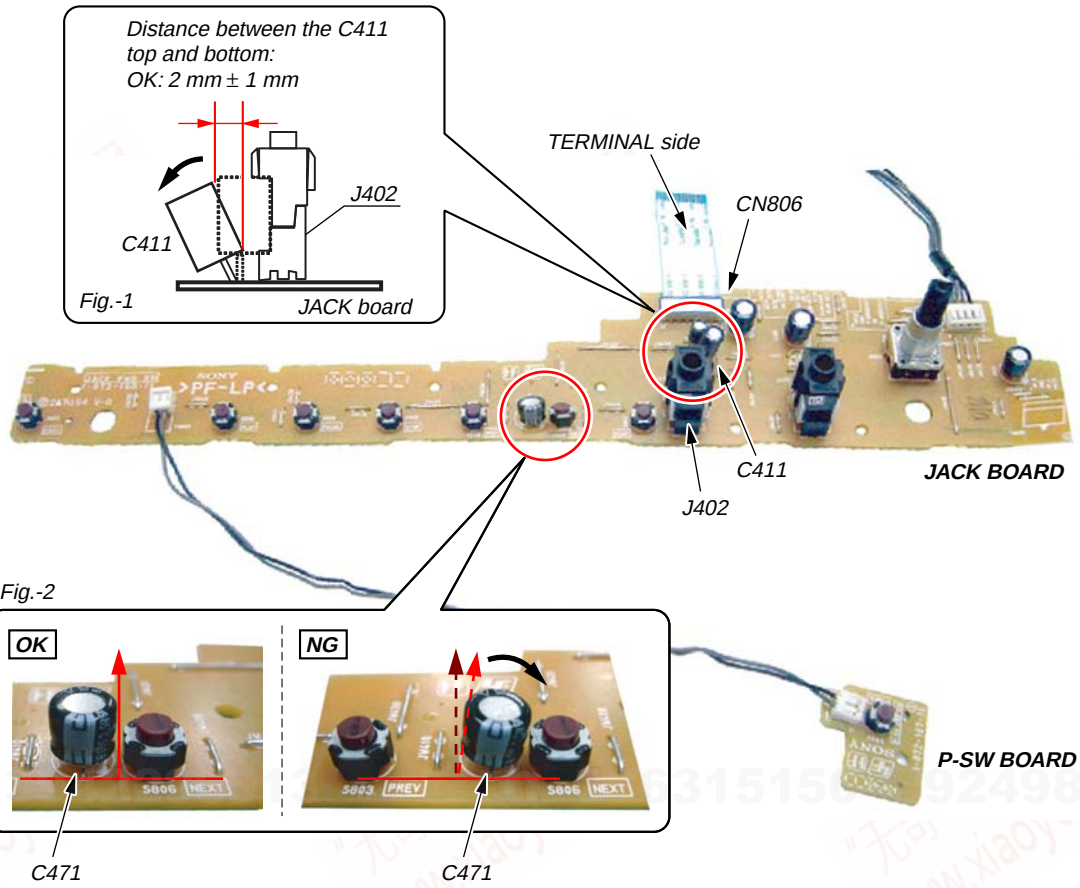
Note on replacement of C803, C802, L801, and L802

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



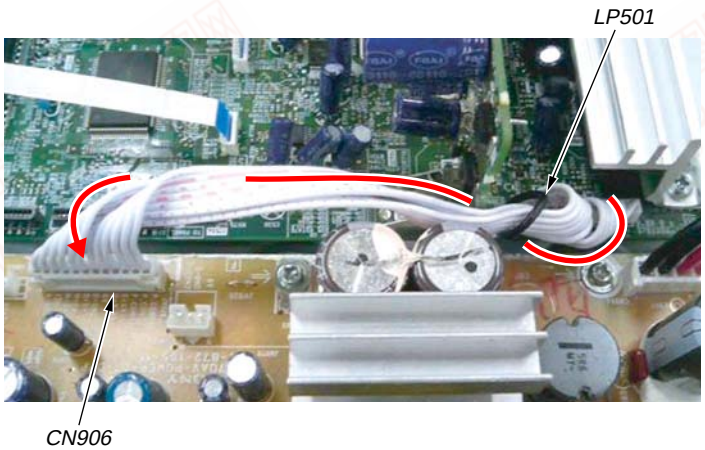
Note on C471 and C411 on JACK board

Bend C411 and keep the distance as shown. (Fig.-1)
Confirm C471 standing straightly. (Fig.-2)



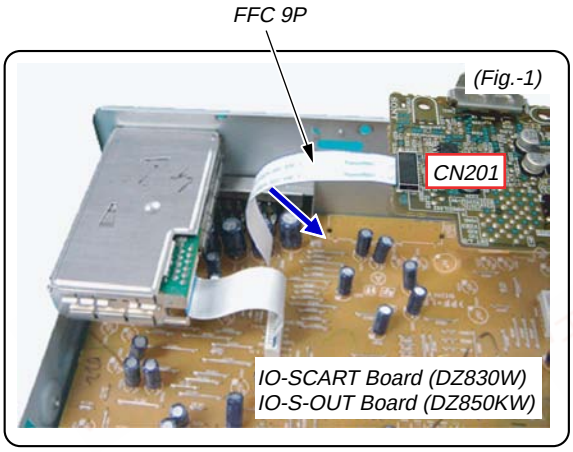
The wire (12P) that ties CN906 (POWER board) to CN506 (MAIN board)

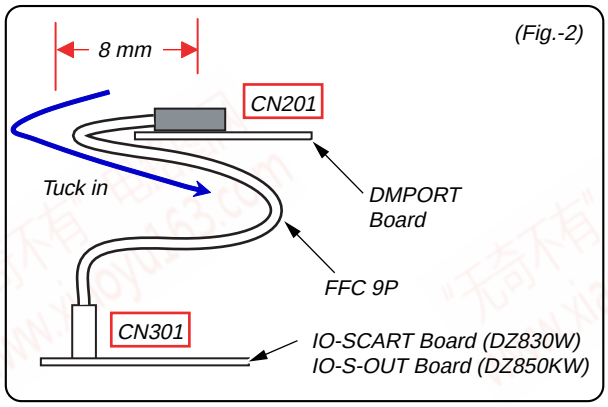
Twist 1.5 circles and connect to CN906 fix wire 12P with LP as shown below.
(Must keep wire 12P away from the HEAT SINK, and can not touch it.)



Setting the DMPORT board (Except E32 (110 – 240 V AC area in E model))

The FFC 9P is the wire that ties CN201 (DMPORT board) to CN301 (IO-SCART board, IO-S-OUT board).
Please tuck the FFC 9P under the DMPORT board as shown Fig.-2.



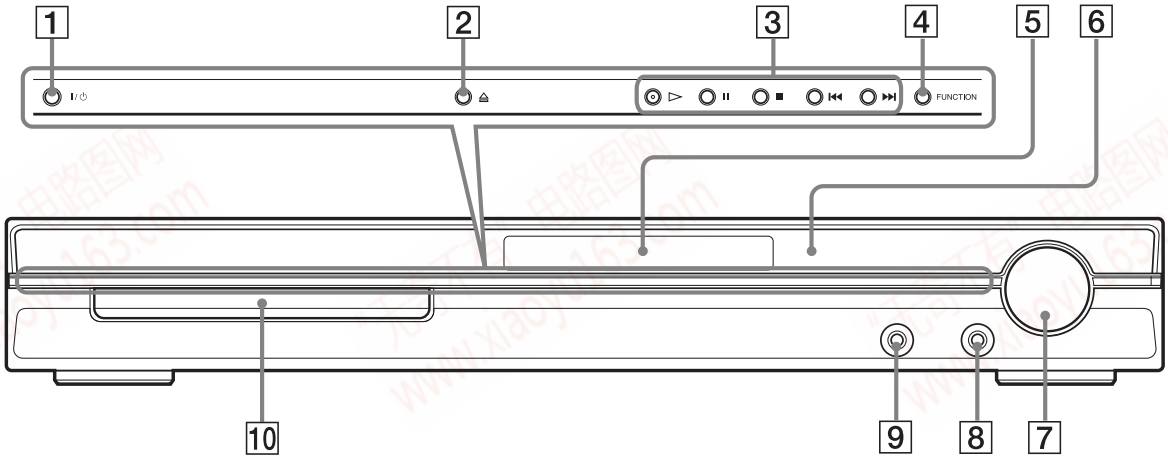


SECTION 2
GENERAL

This section is extracted from instruction manual.

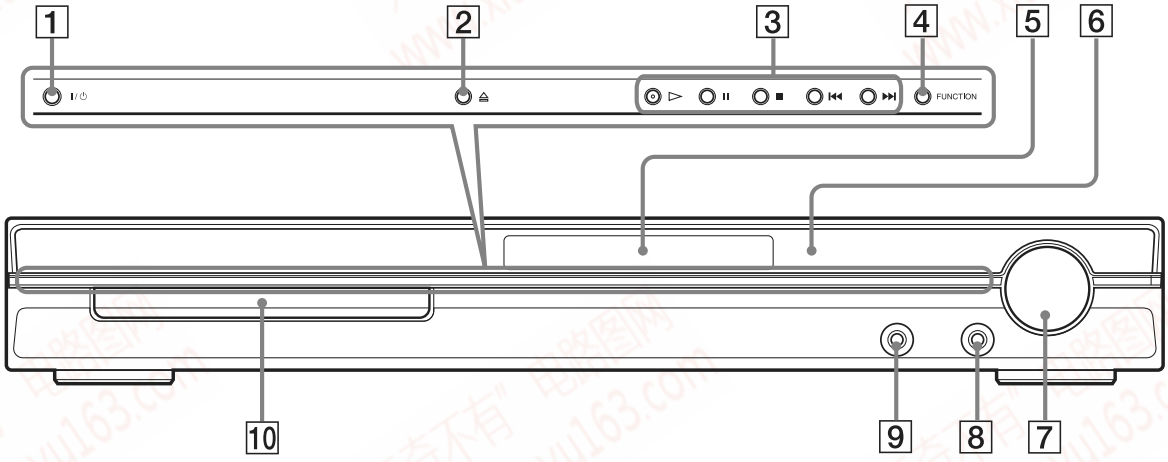
Front panel

DZ830W



1 **I/⏻ (on/standby) (34)**
2 **⏏ (open/close) (34)**
3 **Disc operation (34)**
4 **FUNCTION (34)**
5 **Front panel display (105)**
6 **(remote sensor) (8)**
7 **VOLUME control (34)**
8 **PHONES jack (34)**
9 **AUDIO IN/A.CAL MIC jack (22, 32)**
10 **Disc tray (34)**

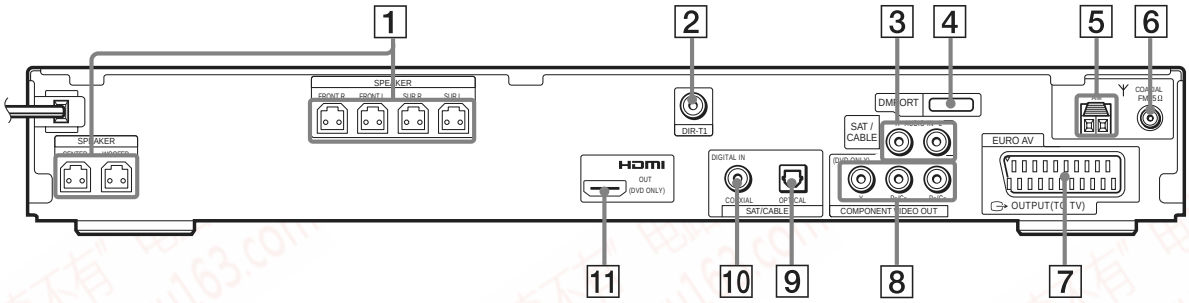
DZ850KW



1 **I/⏻ (on/standby) (36)**
2 **⏏ (open/close) (36)**
3 **Disc operation (36)**
4 **FUNCTION (36)**
5 **Front panel display (111)**
6 **(remote sensor) (8)**
7 **VOLUME control (36)**
8 **MIC 2 jack (72)**
9 **AUDIO IN/MIC 1/A.CAL MIC jack (23, 33, 72)**
10 **Disc tray (36)**

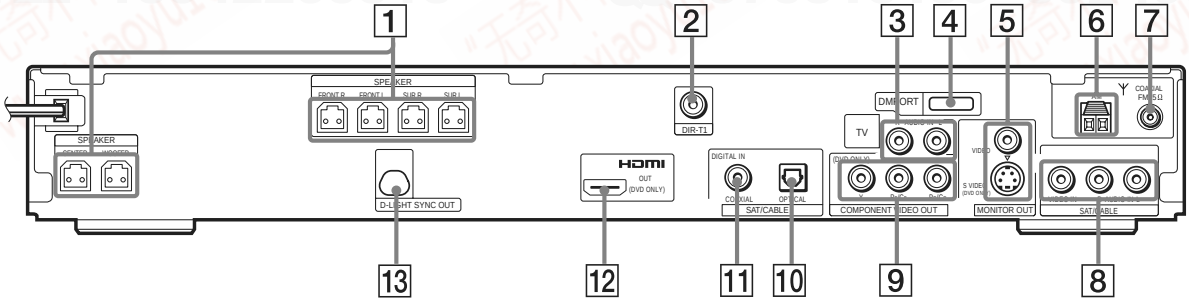
Rear panel

DZ830W



1. **SPEAKER jacks (16)**
2. **DIR-T1 jack (16)**
3. **SAT/CABLE (AUDIO IN R/L) jacks (32)**
4. **DMPORT (DIGITAL MEDIA PORT) jack (32, 72)**
5. **AM terminal (16)**
6. **COAXIAL FM 75Ω jack (16)**
7. **EURO AV ⇨ OUTPUT (TO TV) jack (16)**
8. **COMPONENT VIDEO OUT jacks (28)**
9. **SAT/CABLE (DIGITAL IN OPTICAL) jack (32)**
10. **SAT/CABLE (DIGITAL IN COAXIAL) jack (32)**
11. **HDMI OUT jack (28)**

DZ850KW

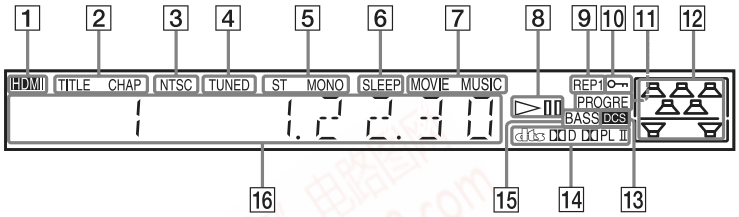


1. **SPEAKER jacks (16)**
2. **DIR-T1 jack (16)**
3. **TV (AUDIO IN R/L) jacks (16)**
4. **DMPORT (DIGITAL MEDIA PORT) jack (except for Mexican and Latin American models) (33, 78)**
5. **MONITOR OUT (S VIDEO/VIDEO) jacks (29)**
6. **AM terminal (16)**
7. **COAXIAL FM 75Ω jack (16)**
8. **SAT/CABLE (AUDIO IN R/L, VIDEO IN) jacks (33)**
9. **COMPONENT VIDEO OUT jacks (29)**
10. **SAT/CABLE (DIGITAL IN OPTICAL) jack (33)**
11. **SAT/CABLE (DIGITAL IN COAXIAL) jack (33)**
12. **HDMI OUT jack (29)**
13. **D-LIGHT SYNC OUT jack (33) (Singaporean, Mexican and Latin American models only)**

Front panel display

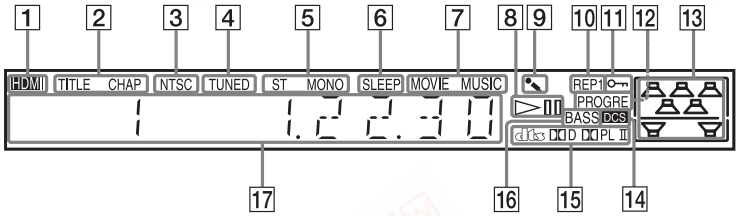
About the indications in the front panel display

DZ830W



1. Lights up when the HDMI OUT jack is correctly connected to HDCP (high-bandwidth digital content protection) compliant device with HDMI or DVI (digital visual interface) input. (28)
2. Lights up when the time information of a title or chapter appears in the front panel display. (DVD only) (51)
3. Lights up when an NTSC disc is loaded.
4. Lights up when a station is received. (Radio only) (64)
5. Stereo/Monaural effect (Radio only) (65)
6. Lights up when the sleep timer is set. (70)
7. Lights up when the movie or music mode is selected. (37)
8. Playing status (DVD function only)
9. Current repeat mode (47)
10. Lights up when the child lock function is set to on. (73)
11. Lights up when the system outputs progressive signals (DVD function only). (30)
12. Indicates the selected [SPEAKER FORMATION]. (77)
13. Lights up when Digital Cinema Sound (DCS) is activated. (38)
14. Current surround format (Except for JPEG)
15. Lights up when the DYNAMIC BASS is selected. (70)
16. Displays system's status such as chapter, title, or track number, time information, radio frequency, playing status, sound field, etc.

DZ850KW



1. Lights up when the HDMI OUT jack is correctly connected to HDCP (high-bandwidth digital content protection) compliant device with HDMI or DVI (digital visual interface) input. (29)
2. Lights up when the time information of a title or chapter appears in the front panel display. (DVD only) (53)
3. Lights up when the color system is set to NTSC. (Asian, Australian, and Middle Eastern models only)
4. Lights up when a station is received. (Radio only) (66)
5. Stereo/Monaural effect (Radio only) (67)
6. Lights up when the sleep timer is set. (76)
7. Lights up when the movie or music mode is selected. (39)
8. Playing status (DVD function only)
9. Lights up when the karaoke mode is on. (72)
10. Current repeat mode (49)
11. Lights up when the child lock function is set to on. (79)
12. Lights up when the system outputs progressive signals (DVD function only). (31)
13. Indicates the selected [SPEAKER FORMATION]. (83)
14. Lights up when Digital Cinema Sound (DCS) is activated. (40)
15. Current surround format (Except for JPEG)
16. Lights up when the DYNAMIC BASS is selected. (76)
17. Displays system's status such as chapter, title, or track number, time information, radio frequency, playing status, sound field, etc.

Remote control
DZ830W

ALPHABETICAL ORDER

A – O

ANGLE 4 (53)
AUDIO** 32 (48)
CLEAR 33 (42, 66, 68, 82)
D.TUNING 23 (65)
DISPLAY 21 (51, 66)
DVD MENU 5 (48, 61)
DVD TOP MENU 31 (48)
DYNAMIC BASS 22 (70)
ENTER* 3 (22, 25, 36, 42, 64, 74)
FUNCTION +/– 2 (30, 34, 35, 43, 64, 77)
MOVIE/MUSIC 34 (37)
MUTING 27 (34)
Number buttons** 16 (42, 65, 67, 74)

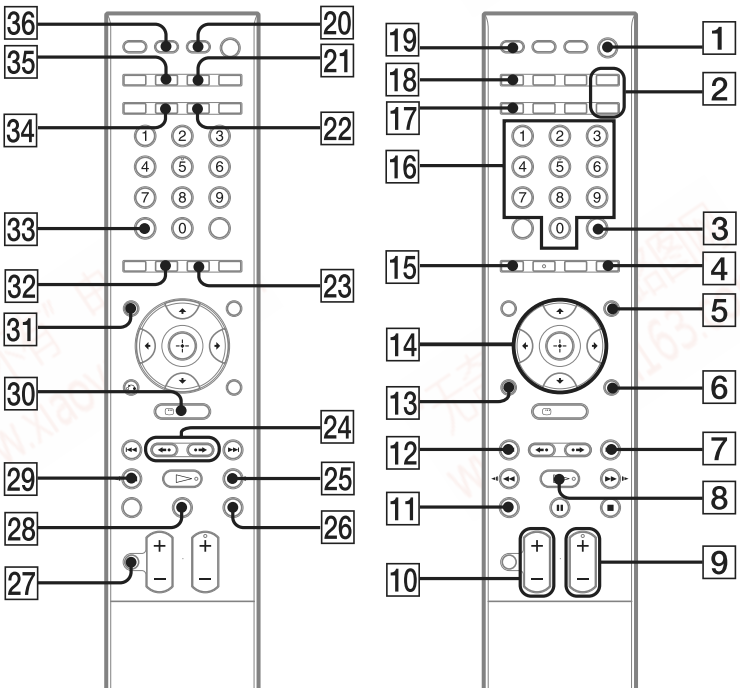
P – Z

PICTURE NAVI 15 (43, 68)
PRESET +/– 7 12 (65)
SLEEP 35 (70)
SOUND FIELD +/–** 9 (36, 38)
SUBTITLE 23 (54)
SYSTEM MENU 6 (25, 36, 71, 111)
THEATRE SYNC 20 (69)
TOOLS 6 (67)
TUNING +/– 25 29 (64)
TV 11 (67)
TV CH +/–** 9 (67)
TV INPUT 18 (67)
TV MENU 30 (67)
TV VOL +/– 10 (67)
VIDEO FORMAT 17 (30)
VOLUME +/– 10 (34, 65, 88)

BUTTON DESCRIPTIONS

I/⏻ (on/standby) 1 (22, 25, 34, 43, 65)
TV I/⏻ (on/standby) 36 (67)
←/↑/↓/→/⊕ 14 (22, 25, 36, 42, 64, 74)
←●/●→ REPLAY/ADVANCE 24 (34)
⏮/⏭ 12 7 (34)
◀◀/▶▶ 29 25 (41)
◀❚/❚▶ 29 25 (41)
▷ (play)** 8 (34, 43, 75)
■ (stop) 26 (35, 43, 74)
❚❚ (pause) 28 (35)
⏏ (open/close) 19 (35)
DISPLAY 30 (24, 42, 74, 107)
RETURN 13 (43)
-/-- 33 (68)

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



Remote control
DZ850KW

ALPHABETICAL ORDER

A – O

ANGLE 4 (55)
AUDIO** 37 (50)
CLEAR 38 (44, 68, 70, 88)
D.TUNING 26 (67)
DISPLAY 24 (53, 68)
DVD MENU 5 (50, 63)
DVD TOP MENU 36 (50)
DYNAMIC BASS 25 (76)
ECHO 11 (72)
ENTER* 3 (23, 26, 38, 44, 66, 80)
FUNCTION +/– 2 (31, 36, 37, 45, 66, 83)
KARAOKE PON 10 (74)
KEYCON #/b 31 (73)
MIC VOL +/– 12 (72)
MOVIE/MUSIC 39 (39)
MUTING 32 (36)
Number buttons** 19 (44, 67, 69, 80)

P – Z

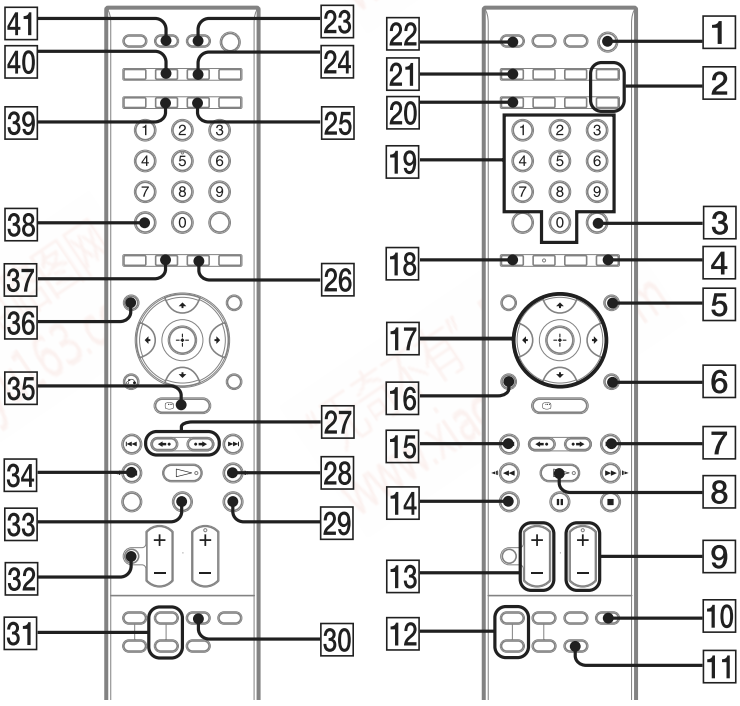
PICTURE NAVI 18 (45, 70)
PRESET +/– 7 15 (67)
SCORE 30 (75)
SLEEP 40 (76)
SOUND FIELD +/–** 9 (40)
SUBTITLE 26 (56)
SYSTEM MENU 6 (26, 38, 77, 118)
THEATRE SYNC 23 (71)
TOOLS 6 (69)
TUNING +/– 28 34 (66)
TV 14 (69)
TV CH +/–** 9 (69)
TV INPUT 21 (69)
TV MENU 35 (69)
TV VOL +/– 13 (69)
VIDEO FORMAT 20 (31)
VOLUME +/– 13 (36, 67, 94)

BUTTON DESCRIPTIONS

I/⏻ (on/standby) 1 (23, 26, 36, 45, 67)
TV I/⏻ (on/standby) 41 (69)
←/↑/↓/→/⊕ 17 (23, 26, 38, 44, 66, 80)
←●/●→ REPLAY/ADVANCE 27 (36)
⏮/⏭ 15 7 (36)
◀◀/▶▶ 34 28 (43)
◀▮/▮▶ 34 28 (43)
▷ (play)** 8 (36, 45, 81)
■ (stop) 29 (37, 45, 80)
▮▮ (pause) 33 (37)
⏏ (open/close) 22 (37)
DISPLAY 35 (24, 44, 80, 113)
RETURN 16 (45)
-/-- 38 (70)

* The ENTER button has the same function as the ⊕ button. When you operate the TV, the ENTER button is used for selecting a channel, and the ⊕ button is used for selecting menu items (page 69).

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

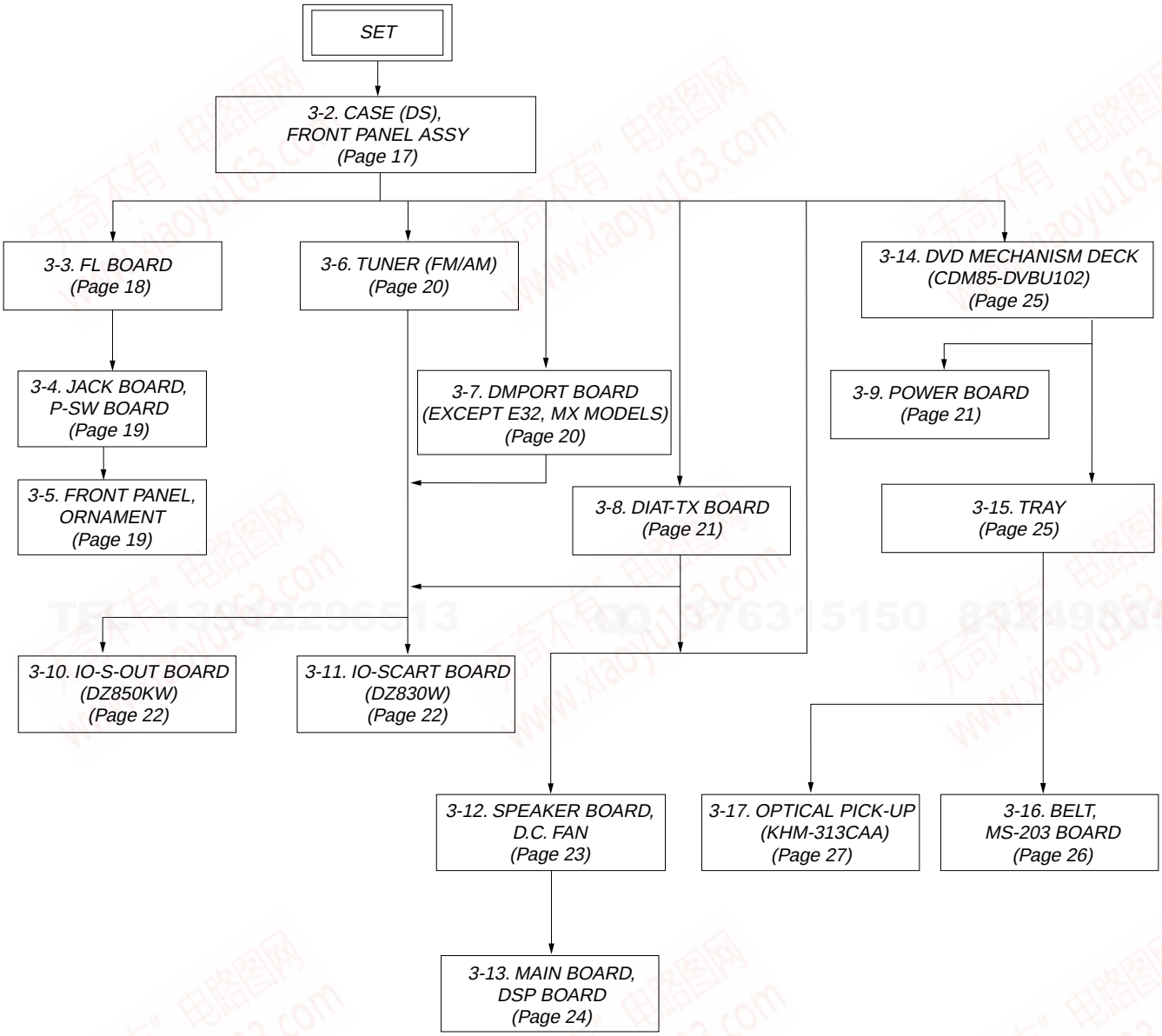


SECTION 3
DISASSEMBLY

3-1. DISASSEMBLY FLOW

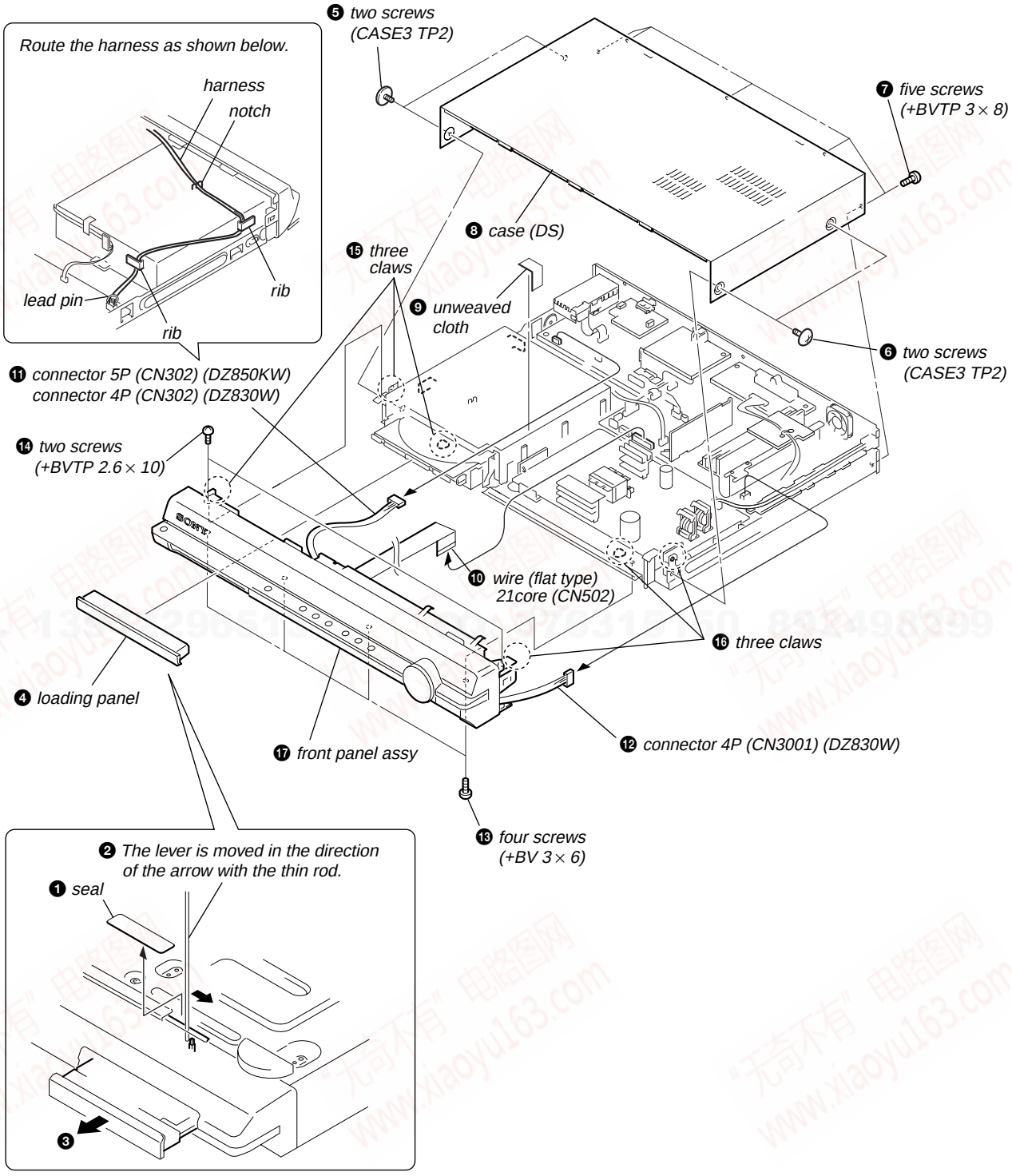
- This set can be disassembled in the order shown below.

- Abbreviation
  E32 : 110 – 240V AC area in E model
  MX : Mexican model

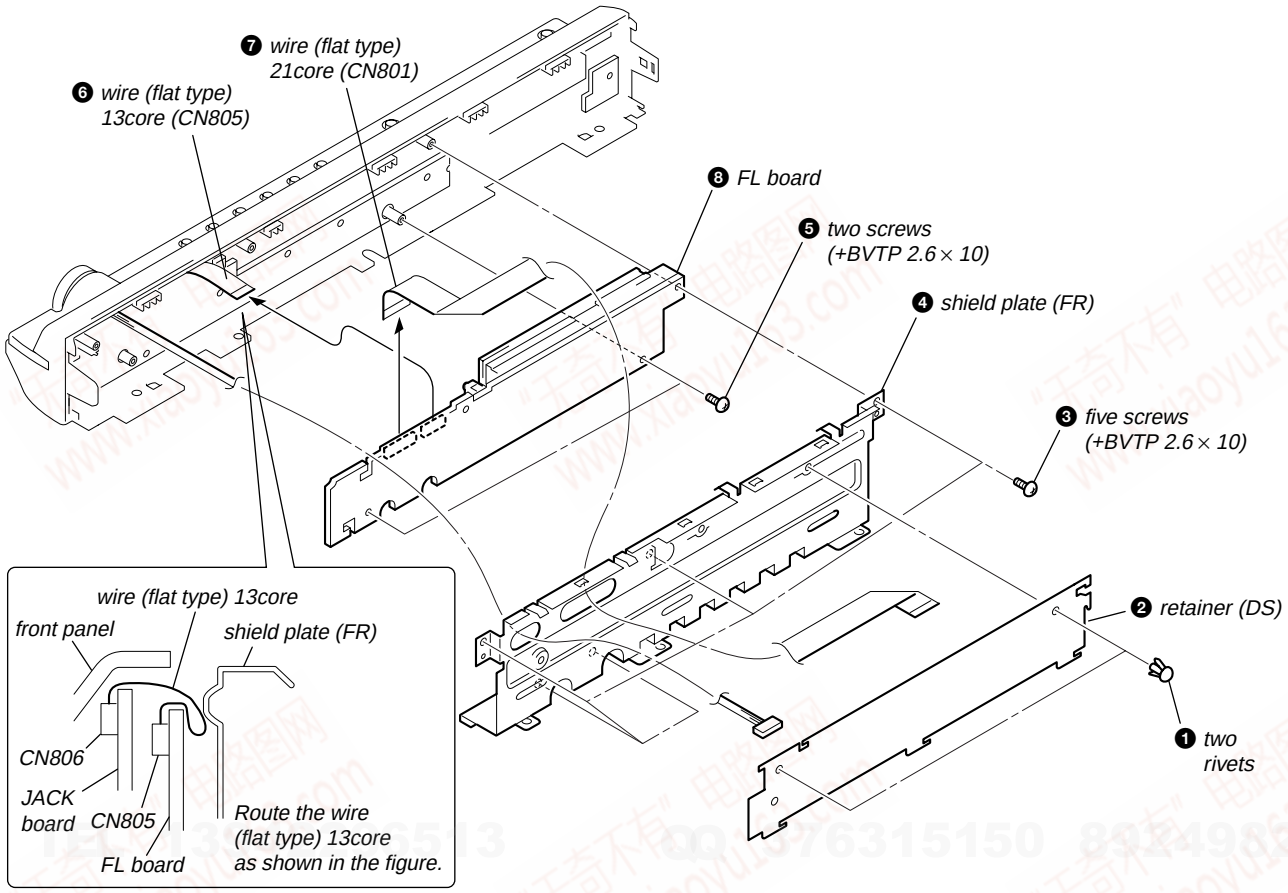


Note: Follow the disassembly procedure in the numerical order given.

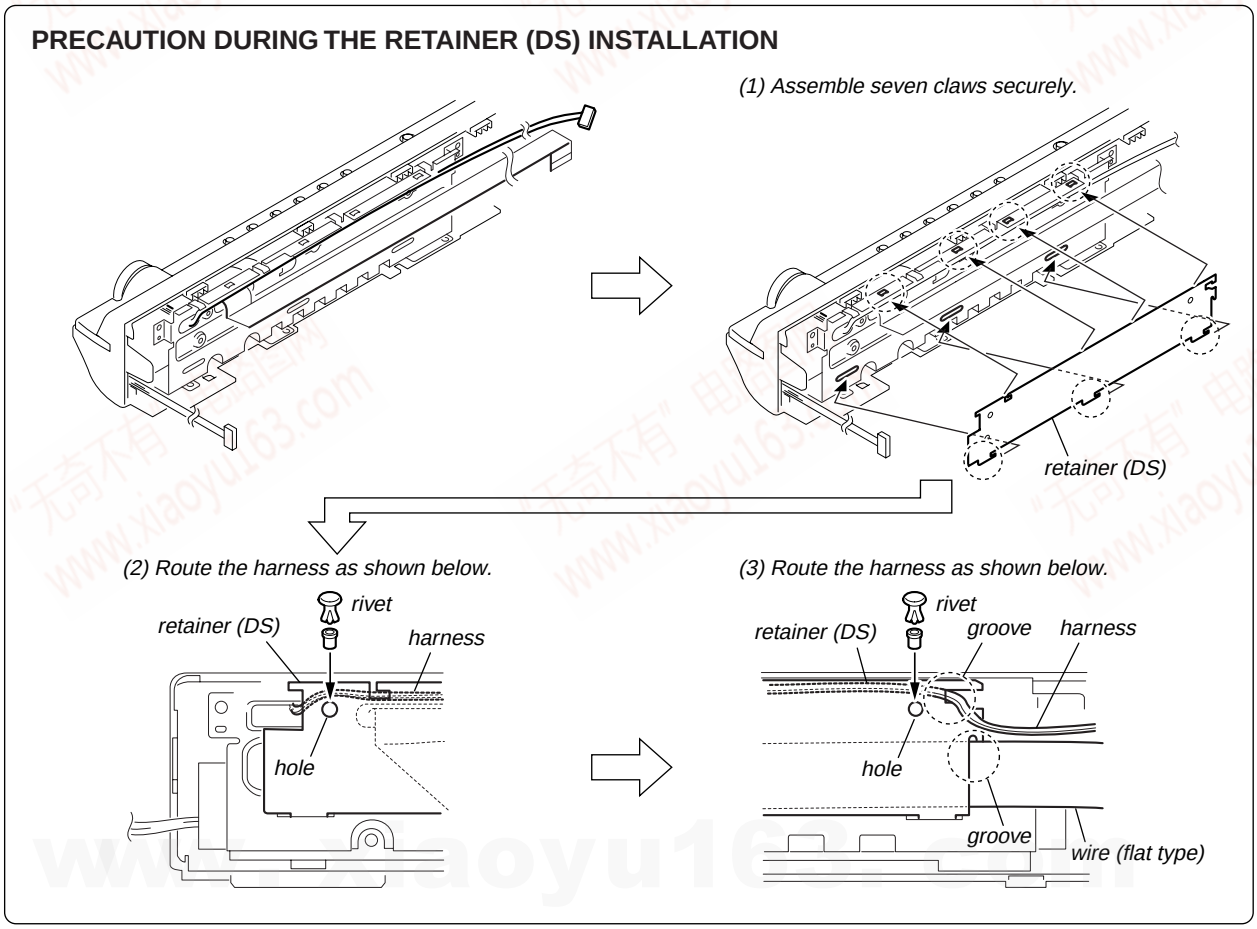
3-2. CASE (DS), FRONT PANEL ASSY



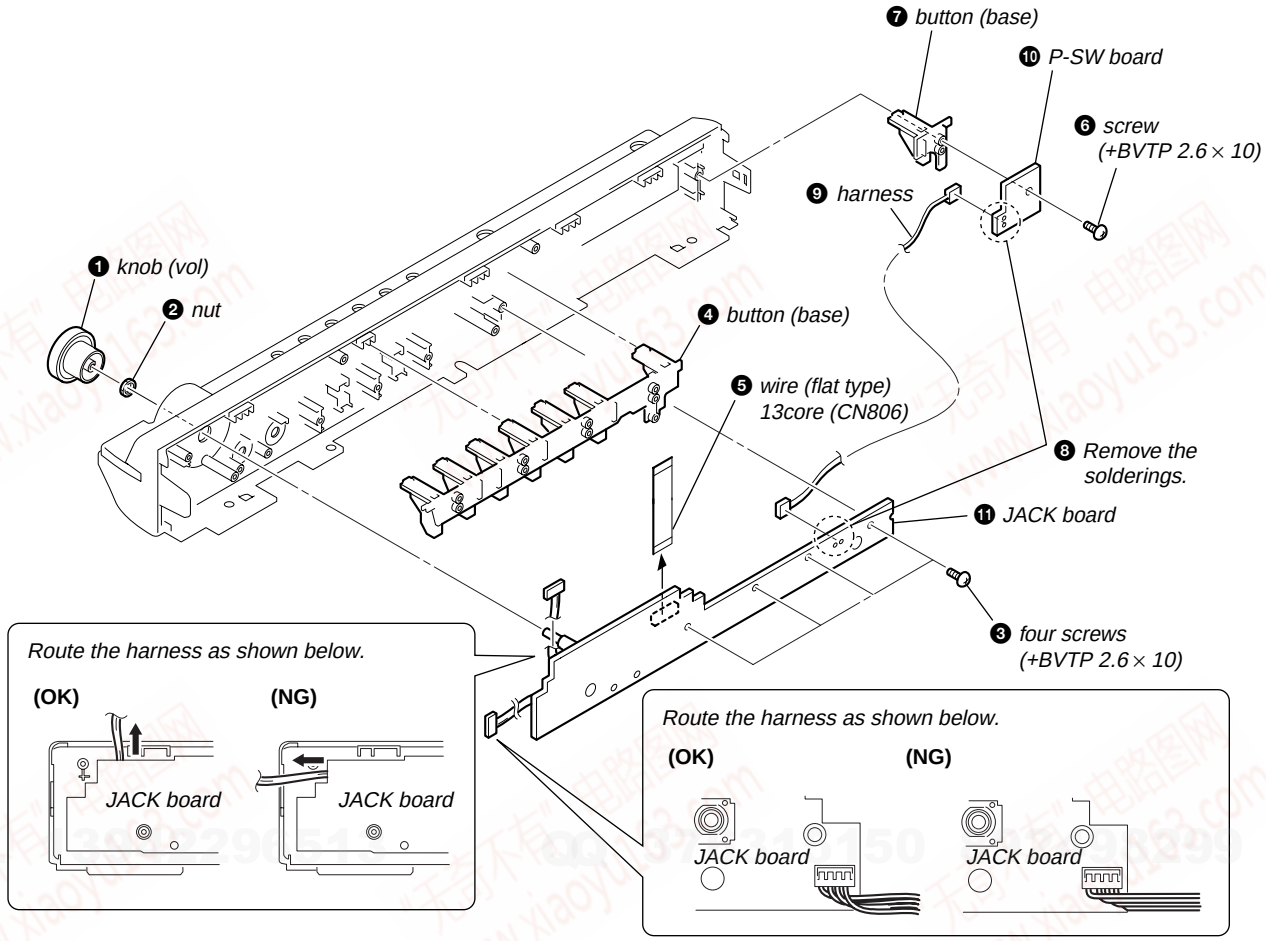
3-3. FL BOARD



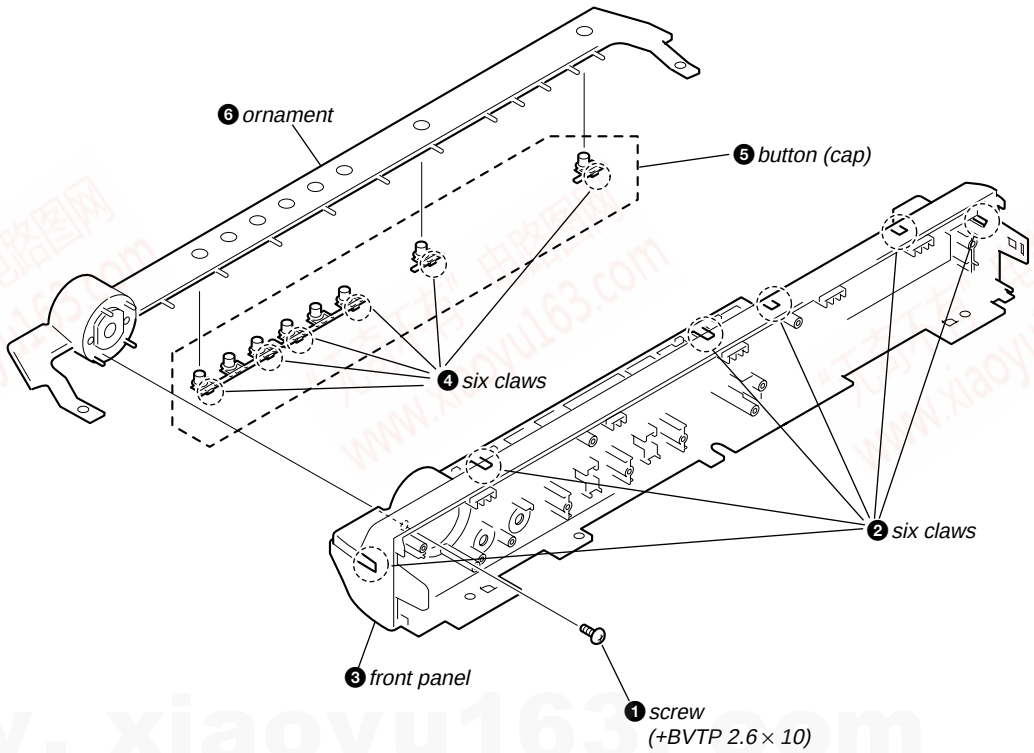
PRECAUTION DURING THE RETAINER (DS) INSTALLATION



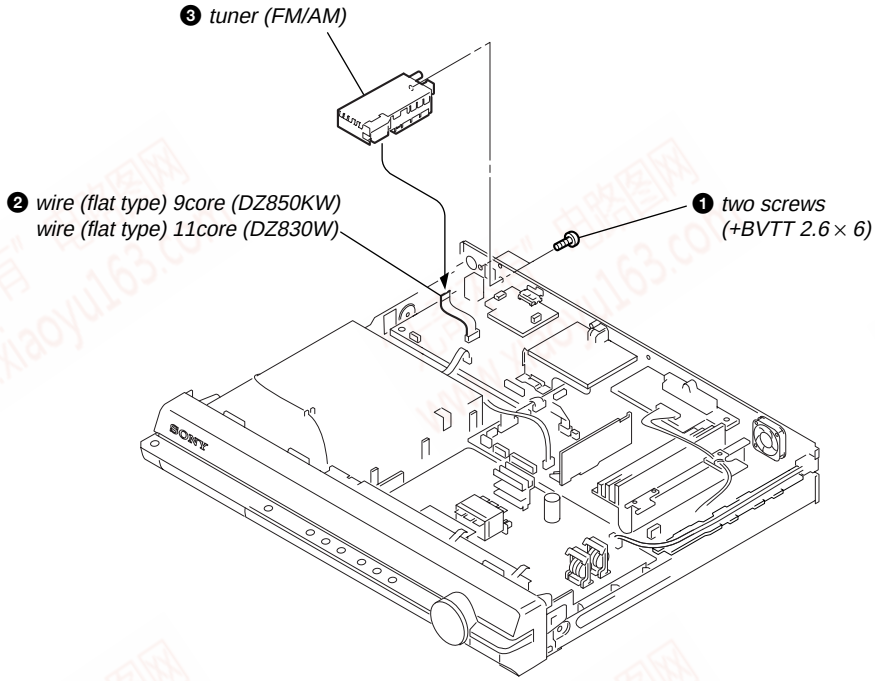
3-4. JACK BOARD, P-SW BOARD



3-5. FRONT PANEL, ORNAMENT

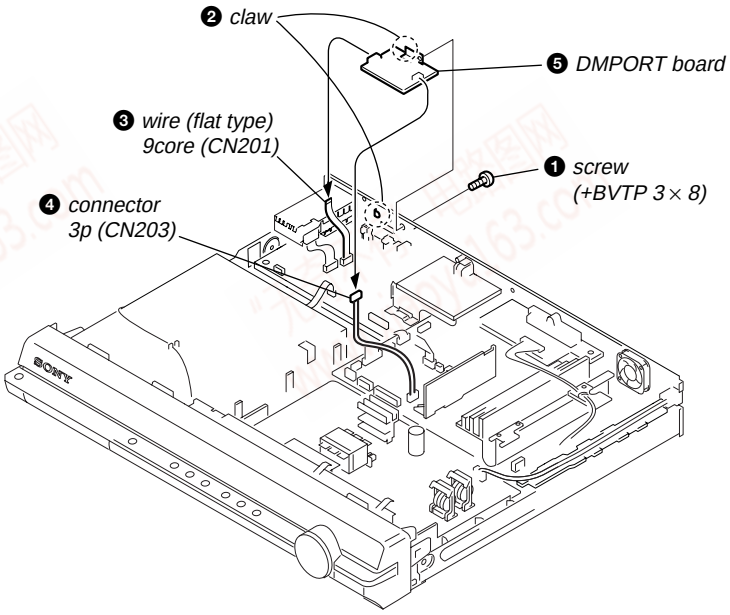


3-6. TUNER (FM/AM)

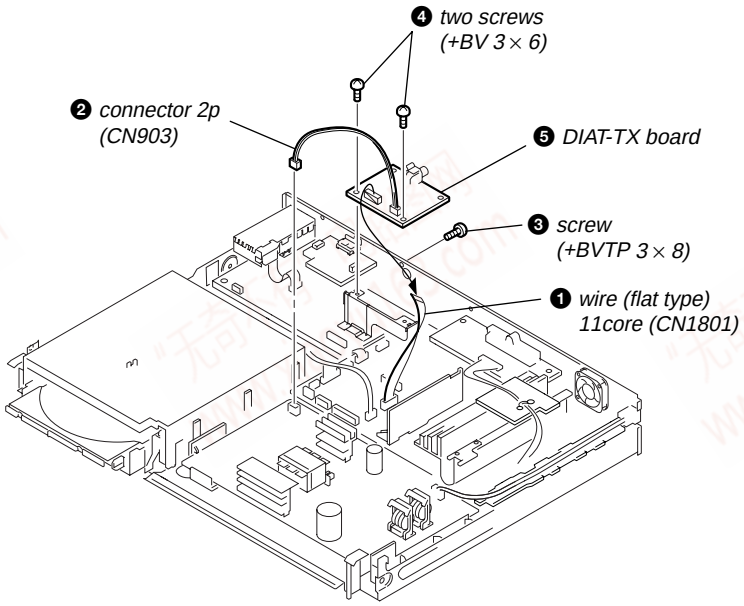


3-7. DMPORT BOARD (EXCEPT E32, MX MODELS)

- Abbreviation
  E32 : 110 – 240V AC area in E model
  MX : Mexican model

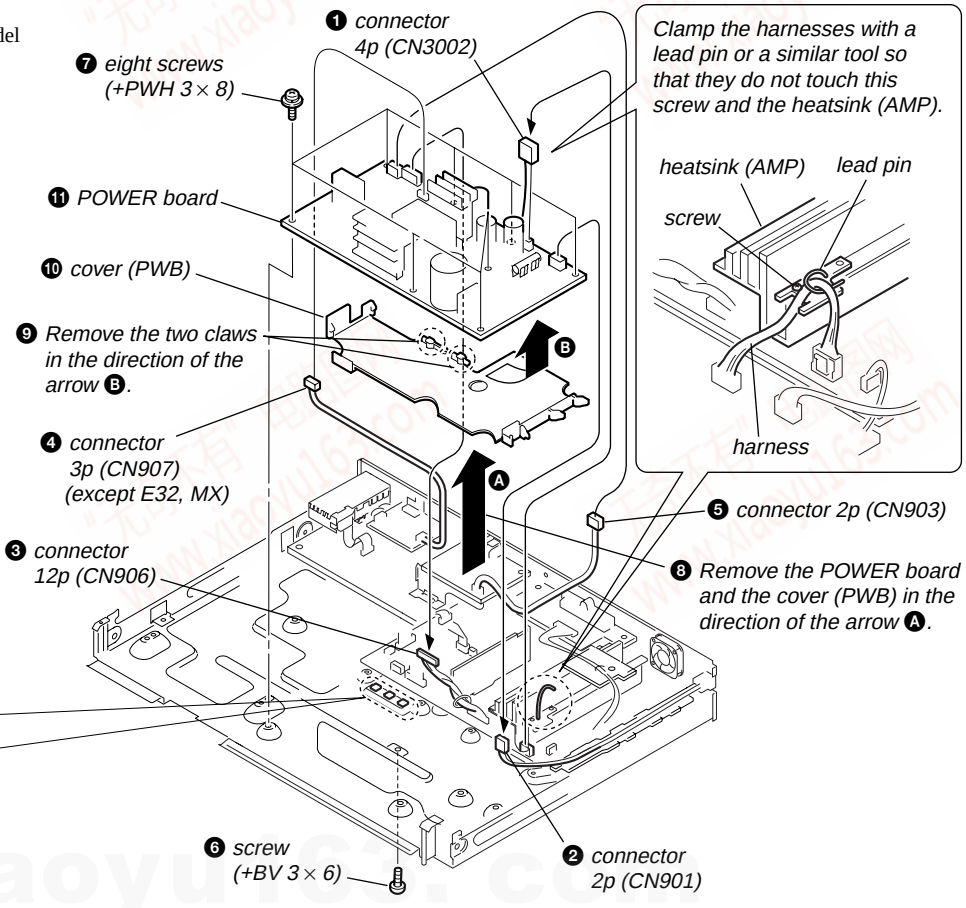


3-8. DIAT-TX BOARD

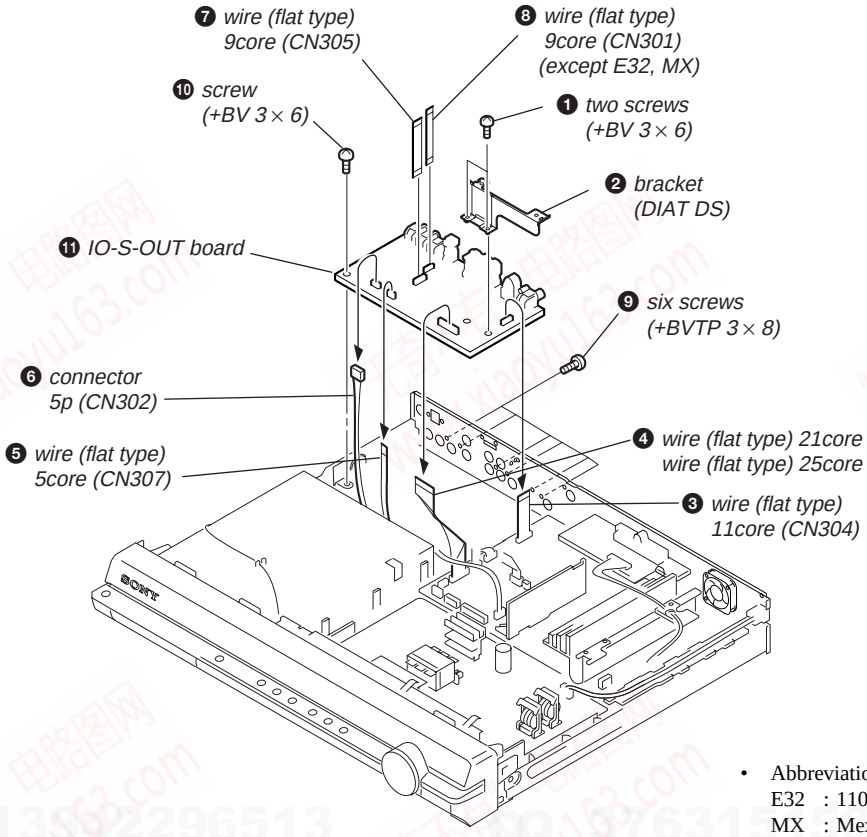


3-9. POWER BOARD

- Abbreviation
  E32 : 110 – 240V AC area in E model
  MX : Mexican model

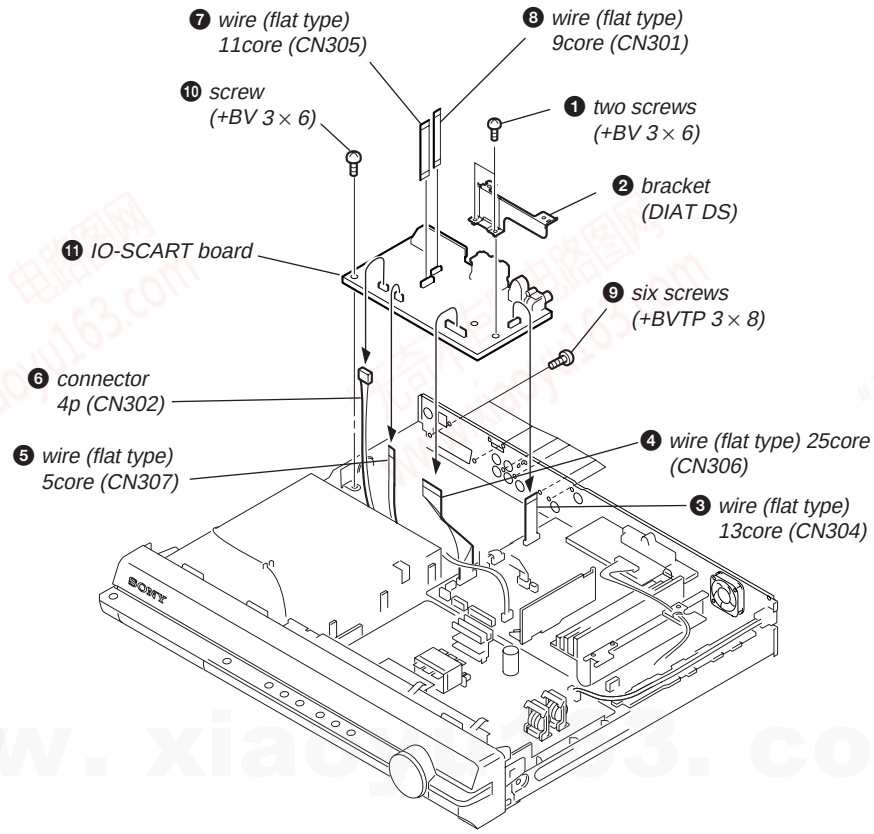


3-10. IO-S-OUT BOARD (DZ850KW)

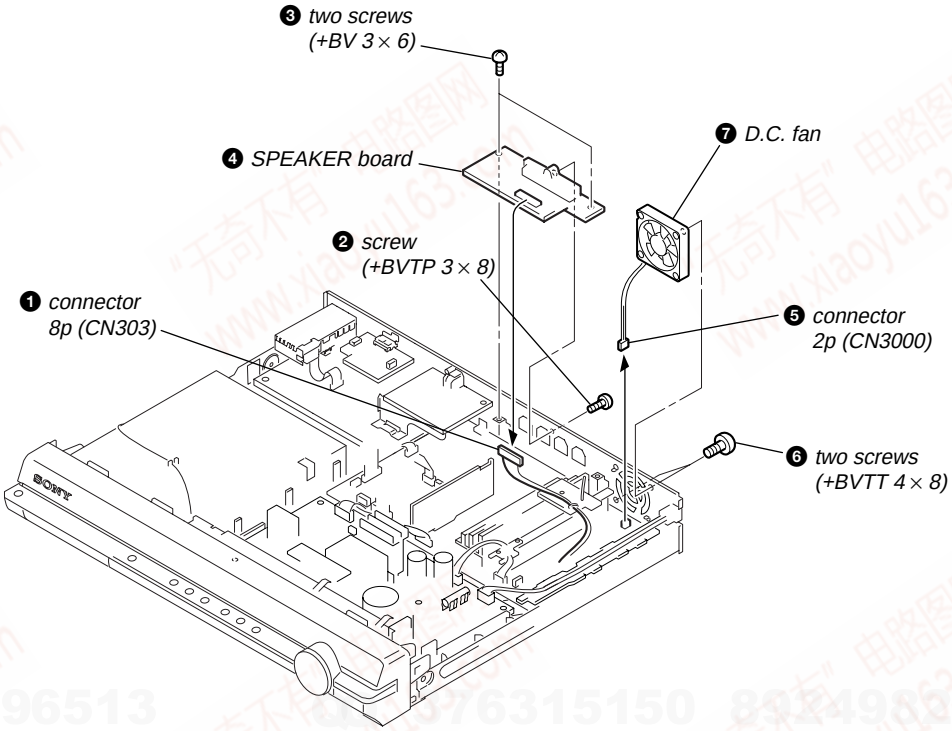


- Abbreviation
  E32 : 110 – 240V AC area in E model
  MX : Mexican model

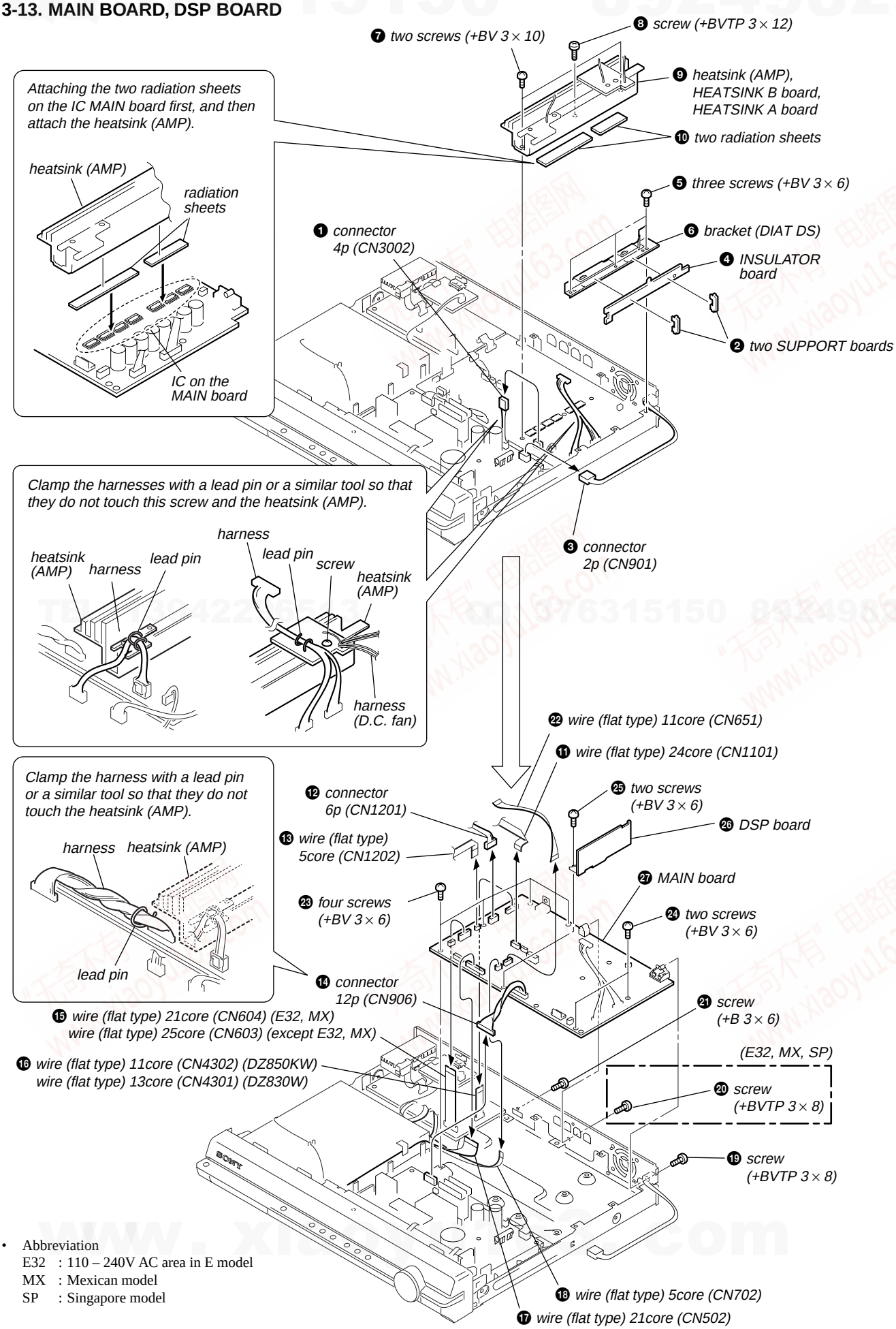
3-11. IO-SCART BOARD (DZ830W)



3-12. SPEAKER BOARD, D.C. FAN

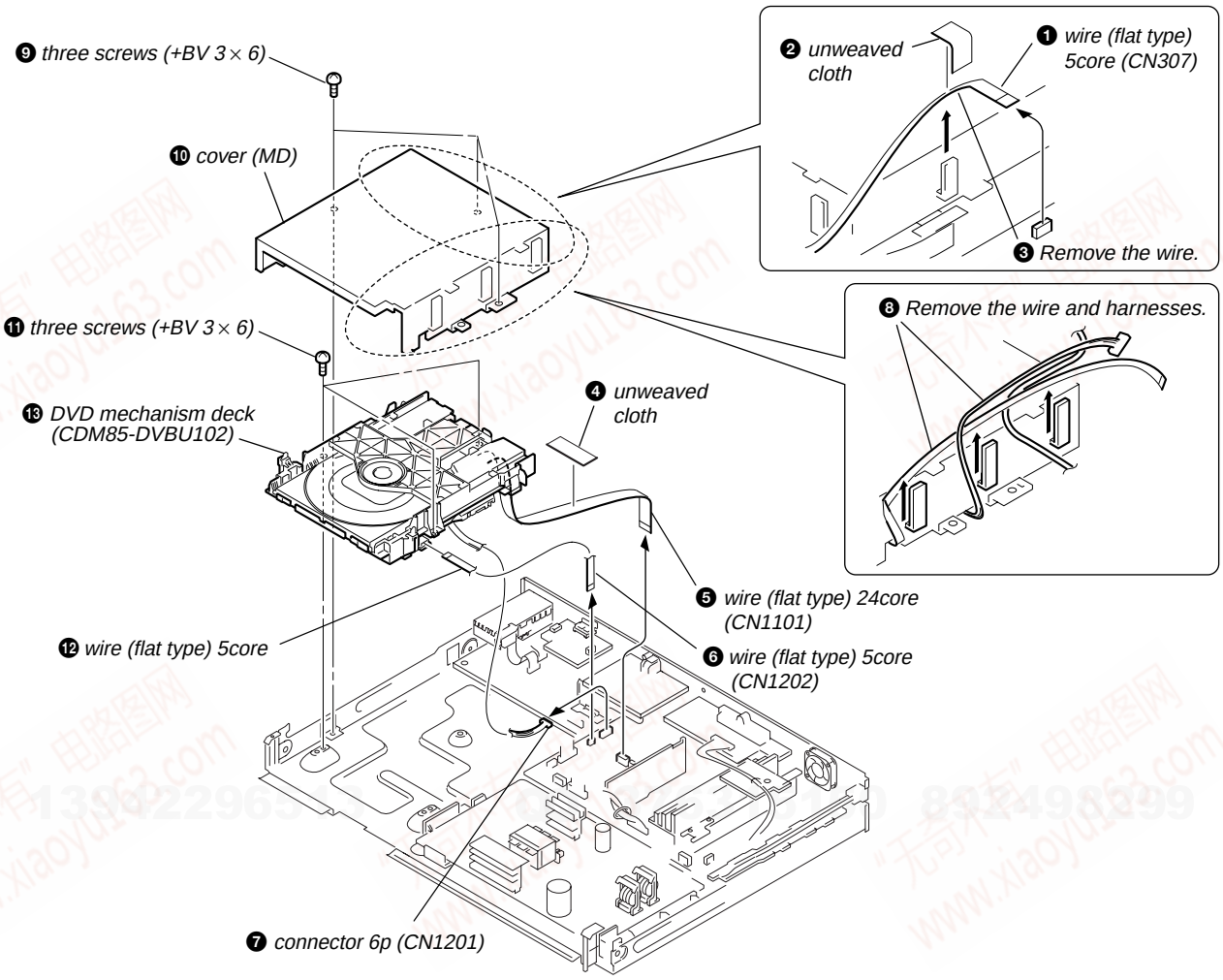


3-13. MAIN BOARD, DSP BOARD

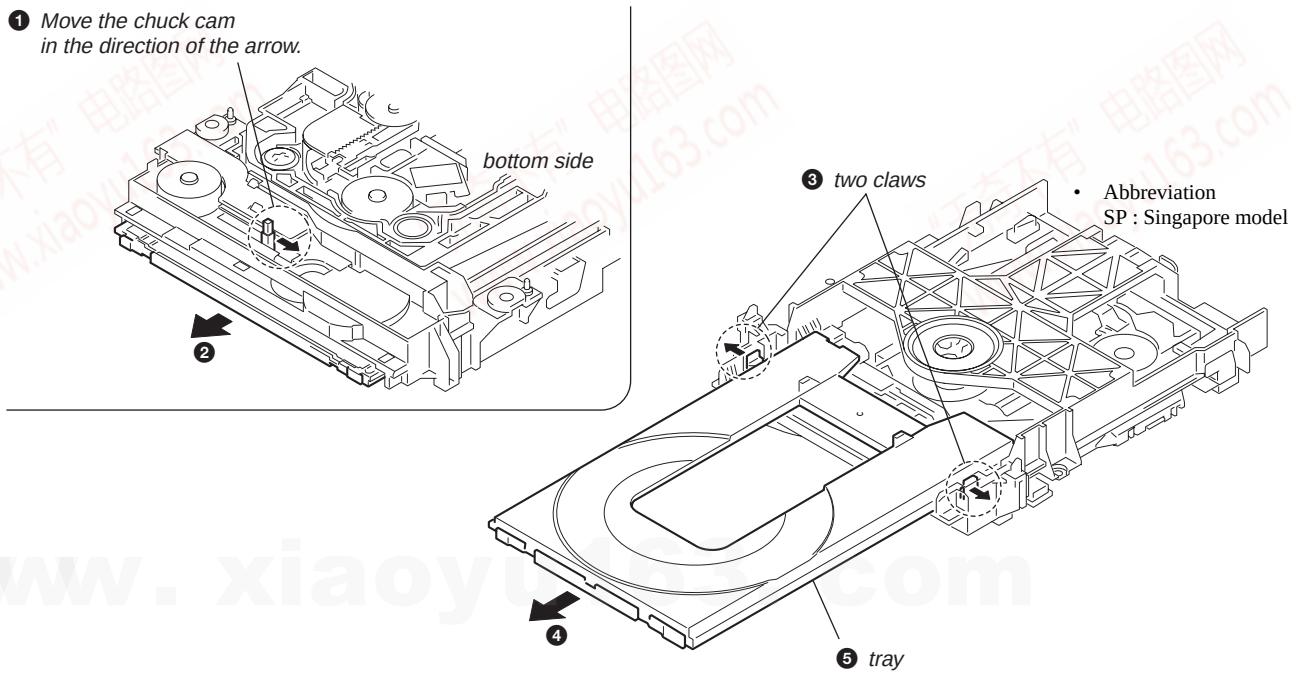


- Abbreviation
  E32 : 110 – 240V AC area in E model
  MX : Mexican model
  SP : Singapore model

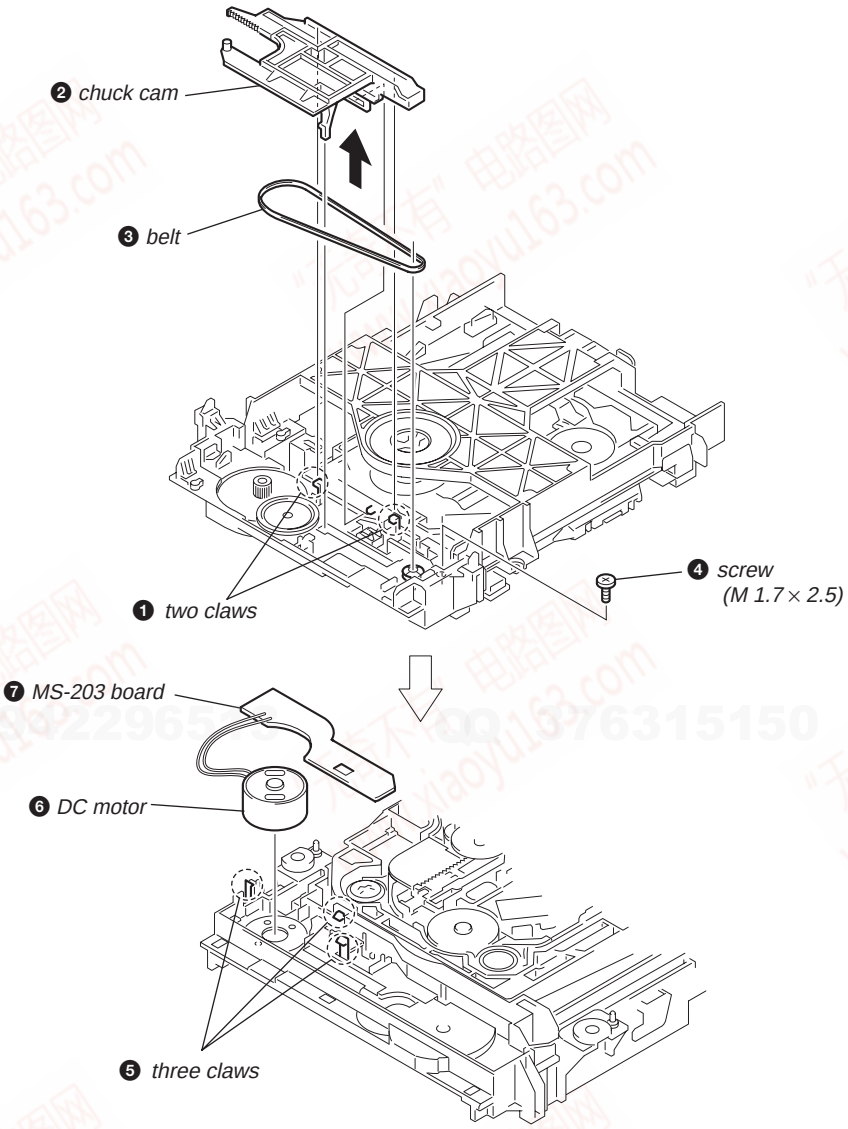
3-14. DVD MECHANISM DECK (CDM85-DVBU102)



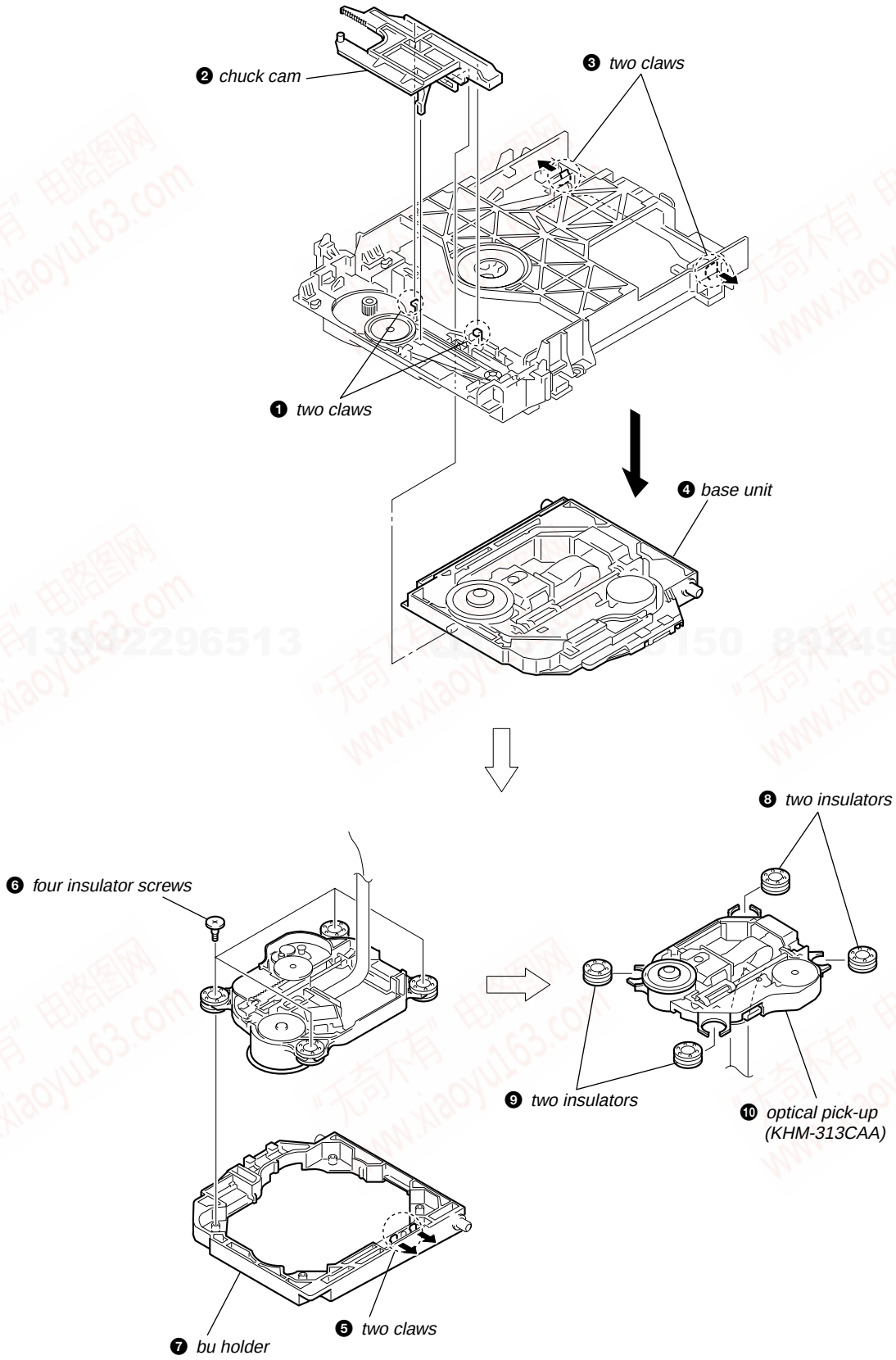
3-15. TRAY



3-16. BELT, MS-203 BOARD



3-17. OPTICAL PICK-UP (KHM-313CAA)



SECTION 4
TEST MODE

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

1. Cold Reset

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

Procedure:

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

2. Panel Test Mode

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

2-1. Display Test Mode

Procedure:

1. Press the I/⏻ button to turn the power on.
2. Press three buttons ❚❚, ⏮ and ⏏ simultaneously.
3. When the display test mode is activated, all segments are turned on.
4. To exit from this mode, press three buttons ❚❚, ⏮ and ⏏ simultaneously.

2-2. Version Test Mode

Procedure:

1. When the display test mode is activated, press the ⏮ button and the message “DS9W” (DZ830W), “DS9KW” (DZ850KW) are displayed, the version test mode is activated.
2. Whenever the ⏮ button is pressed, the display changes in the following order.
   “DS9KW” (Model name) → “ASIA2*1” (Destination) → MC → SYS
   ↑
   CEC ← CLA ← TM ← DSP ← TA ← ST ← DVD ← UI ←
   *1: ASIA2 changes depending on destination.
3. Press the ⏭ button and the date of the software production is displayed.
4. Press the ⏭ button again and the version is displayed.
5. To exit from this mode, press three buttons ❚❚, ⏮ and ⏏ simultaneously.

2-3. Key Test Mode

Procedure:

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

3. Disc Tray Lock

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

Setting Procedure :

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

Releasing Procedure :

1. Press the ■ button and the ⏏ button simultaneously for five seconds again.
2. The message “UNLOCKED” is displayed and the tray is unlocked.

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

4. DVD Ship Mode

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

Procedure:

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

5. AM Step Change (Except AEP, UK)

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

Procedure:

1. Press the I/⏻ button to turn the power on.
2. Select the function “TUNER”, and press FUNCTION button to select the BAND “AM”.
3. Press the I/⏻ button to turn the power off.
4. Press two buttons ⏭ and I/⏻ simultaneously, and the display of fluorescent indicator tube changes to “AM 9k STEP” or “AM 10k STEP”, and thus the channel step is changed over.

6. Product Out

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

Procedure:

1. Press the I/⏻ button to turn the power on.
2. Press the FUNCTION button to set the function “DVD”.
3. Remove all discs, and then press three buttons ⏭, ⏏ and I/⏻ simultaneously.
4. After the “STANDBY” blinking display finishes, the message “MECHA LOCK” is displayed on the fluorescent indicator tube disconnect the AC power plug, then the ship mode is set.

7. Demo Play Out

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

Setting Procedure:

1. Press the I/⏻ button to turn the power on.
2. Press the FUNCTION button to set the function “DVD”.
3. During playback the DEMO Disc, press the ■ and ▷ buttons for five seconds simultaneously.
4. The message “DEMO OFF” is displayed, a mode to reproduct the demonstration is released.

8. Volume Test

Procedure:

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

9. Protection Factor (SD Detection/DC Detection) Identification Test Mode

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

↓ Press the I/⏻ button.
* Buttons other than the I/⏻ button are invalid.

"STANDBY" blinks three times on the FL tube.

↓

The protection release state (POWER OFF) is established.
(No FL tube display)

↓ Press the I/⏻ button.

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

During the protection state:

1. If the AC plug is connected or disconnected during the protection state, the protection state is released, and the normal operation is established. (The protection state is not maintained.)
2. The protection factor is displayed by pressing the FUNCTION, ⏏ and ⏭ buttons at the same time during the protection state
   (during the "PROTECTOR ⇔ PUSH POWER" display).
   ⇨ When SD is detected: Repeats
   "SD DETECT ⇔ PUSH POWER".
   ⇨ When DC is detected: Repeats
   "DC DETECT ⇔ PUSH POWER".

PL: SD detection

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

DC detection

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

10. Automatic Acoustic Field Calibration Microphone Test Mode

Procedure:

1. Press the I/⏻ button to turn the power on.
2. Press the FUNCTION button to set the function " DVD".
3. While pressing the ⏸ and ⏏ buttons simultaneously, turn the VOLUME control in the direction of (+) .
4. Insert ECM-AC2 supplied as an accessory into the AUDIO IN/MIC 1/A.CAL MIC jack.
5. Confirm that the following are shown on the display panel.
   ① The JACK inserted/non-inserted detection display and the STEREO/MONO detection display.

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

JACK ***
①

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

11. Color System Change-over (Except E32, MX)

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

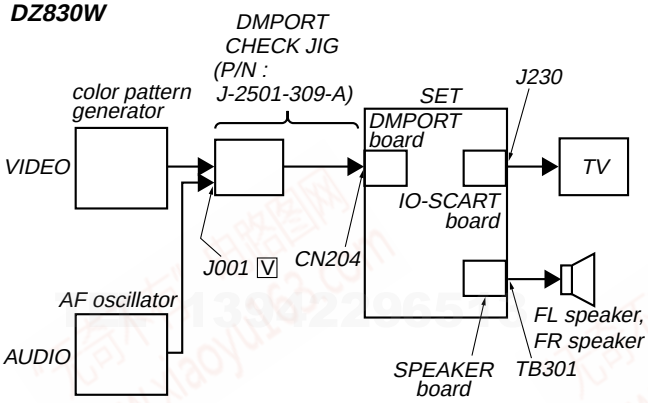
Procedure:

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

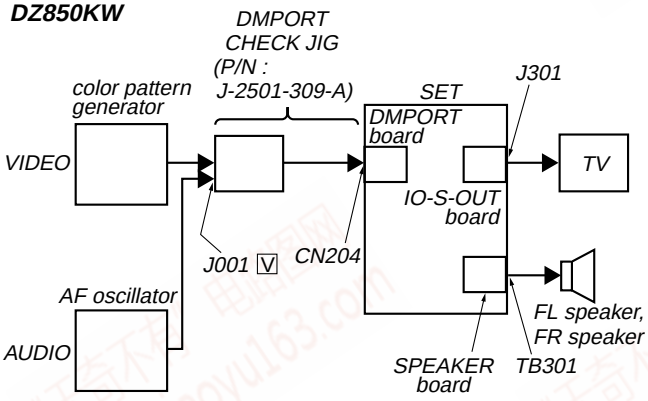
12. Digital Media Port Test (Except E32, MX)

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

DZ830W



DZ850KW



DVD SECTION

13-1. General Description

The IOP measurement allows you to make diagnosis and adjustment simply by using the remote commander and monitor TV. The instructions, diagnosis results, etc. are given on the on-screen display (OSD).
Be sure to execute the IOP measurement when a BU (Base Unit) is replaced.

13-2. How To Enter Test Mode

While pressing the ■ and ⏏ buttons simultaneously, turn VOLUME control in the direction of (+) with the DVD player in power on.
The Test Mode starts, displayed "SERVICE IN" on this model display then the menu shown below will be displayed on the TV screen.

* The display of the "Model Name" of the "Remocon Diagnosis Menu" change with the model and the destination. Refer to below on the model name.
DZ830W : DS9W
DZ850KW : DS9KW

```
        Remocon Diagnosis Menu

0. External Chip Check
1. Servo Parameter Check
2. Drive Manual Operation
3. Emergency History
4. Version Information


Model Name : DS9KW_XX *1
IF-con     : Ver. XX.XX (XXXX)
Syscon     : Ver. X.XXX
```

*1: Changes depending on destination

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

13-3. Executing IOP Measurement

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

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

```
        Remocon Diagnosis Menu

0. External Chip Check
1. Servo Parameter Check
2. Drive Manual Operation
3. Emergency History
4. Version information


Model Name : DS9KW_XX *1
IF-con     : Ver. XX.XX (XXXX)
Syscon     : Ver. X.XXX
```

*1: Changes depending on destination

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

```
Drive Manual Operation

1. Servo Control
2. Track/Layer Jump
3. Manual Adjustment
4. Tray Aging Mode
5. MIRR time adjust
0. Return to Top Menu
```

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

```
Manual Adjust

1. Track Balance Adjust:
2. Track Gain Adjust:
3. Focus Balance Adjust:
4. Focus Gain Adjust:
5. Eq Boost Adjust:
6. Iop:
7. TRV. Level:
8. S curve(FE) Level:
9. RFL(PI) Level:
0. MIRR Time:

[↑][↓] Change Value
[RETURN] Return to previous menu
```

(4) Select "6.IOP" by pressing the [6] button on the remote commander.

(5) Wait until a hexadecimal number appear.

```
Manual Adjust

1. Track Balance Adjust:
2. Track Gain Adjust:
3. Focus Balance Adjust:
4. Focus Gain Adjust:
5. Eq Boost Adjust:
6. Iop.(52:)
7. TRV. Level:
8. S curve(FE) Level:
9. RFL(PI) Level:
0. MIRR Time:

[↑][↓] Change Value
[RETURN] Return to previous menu
```

(6) Convert each data from hexadecimal to decimal using conversion table.

(7) Please find the label on the rear of the BU (Base Unit). The default IOP value is written in the label.

(8) Subtract between these two values.

(9) If the remainder is smaller than 93 (decimal), then it is OK. However if the value is higher than 93, then the BU is defective and need to be change.

(10) Press the [RETURN] button on the remote commander to return back to previous menu.

(11) Press the [0] button on the remote commander to return to Top Menu.

13-4. Emergency History

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

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

```
Emg. History Check

Laser Hours      CD    999h      59min
                 DVD   999h      59min

01.  01 05 04 04     00 92 46 00
     00 00 00 00     00 00 23 45
02.  02 02 01 01     00 A9 4B 00
     00 00 00 00     00 00 23 45

[Next]  Next Page   [Prev]  Prev Page
[O]  Return to Top Menu
```

(2) You can check the total time when the laser is turned on during playback of DVD and CD from the above menu. The maximum time, which can be displayed are 999h 59min.

(3) You can check the error code of latest 10 emergency history from the above menu. To view the previous or next page of emergency history, press [⏮] or [⏭] button on the remote commander. The error code consists of the following three blocks. The first block indicates the error code. The second block indicates the parameter and the third block indicates the time of error code as shown below.

• Error Code

```
Emg. History Check

Laser Hours      CD    999h      59min
                 DVD   999h      59min

     *1  *2
01.  01 05 04 04     00 92 46 00
     00 00 00 00     00 00 23 45  *3
02.  02 02 01 01     00 A9 4B 00
     00 00 00 00     00 00 23 45

[Next]  Next Page   [Prev]  Prev Page
[O]  Return to Top Menu
```

*1 : Error Code
*2 : Parameter of error code
*3 : Time of error code

The meaning of error code is as below:

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

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

13-4-1. Clear the Laser Hour

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

```
Emg. History Check

Laser Hours        CD    0h        0min
                   DVD   0h        0min

01.  01  05  04  04      00  92  46  00
     00  00  00  00      00  00  23  45
02.  02  02  01  01      00  A9  4B  00
     00  00  00  00      00  00  23  45

[Next]  Next Page   [Prev]  Prev Page
[0]  Return to Top Menu
```

13-4-2. Clear the Emergency History

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

```
Emg. History Check

Laser Hours        CD    999h      59min
                   DVD   999h      59min

01.  00  00  00  00      00  00  00  00
     00  00  00  00      00  00  00  00
02.  00  00  00  00      00  00  00  00
     00  00  00  00      00  00  00  00

[Next]  Next Page   [Prev]  Prev Page
[0]  Return to Top Menu
```

13-4-3. Clear the Initialize Setup Data

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

```
Emg. History Check

Laser Hours        CD    999h      59min
                   DVD   999h      59min

Initialize setup data...



[Next]  Next Page   [Prev]  Prev Page
[0]  Return to Top Menu
```

13-4-4. Return to the Top Menu of Remocon Diagnosis Menu

Press [0] button on the remote commander.

• Check Version Information

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

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

```
Version information

Firm (Main) :  Ver. x.xxx
Firm (Sub) :  xx.xx
RISC :  xxxxxx
8032 :  xxxxxx
Audio DSP :  xx.xx.xx.xx
Servo DSP :  xx.xx.xx.xx


[0]  Return to Top Menu
```

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

SECTION 5
ELECTRICAL ADJUSTMENT

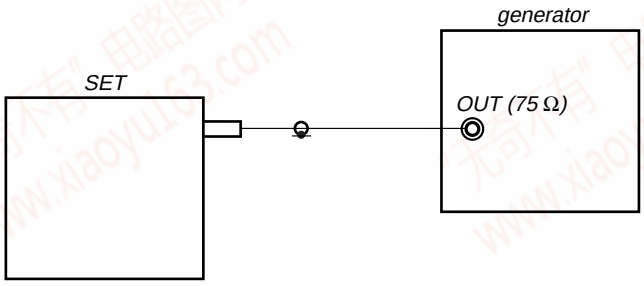
DVD SECTION

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

Executing IOP Measurement (See page 30)

TUNER SECTION

[FM Tune Level Check]



Procedure:

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

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

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

3. Set to FM tuner function and tune A, B and C signals.
4. Confirm “TUNED” is lit on the display for A, B and C signals.

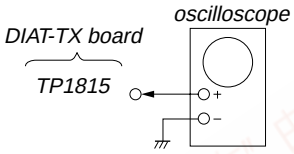
The mark of “TUNED” means “The selected station signal is received in good condition.”

DIAT SECTION

DIAT SIGNAL RF LEVEL ADJUSTMENT

This adjustment is performed in order to adjust the transmission distance of RF signal for DIAT communication.

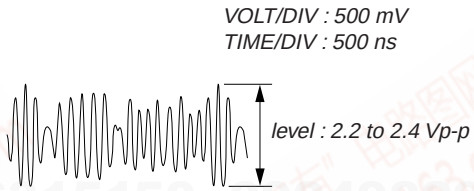
Connection:



Procedure:

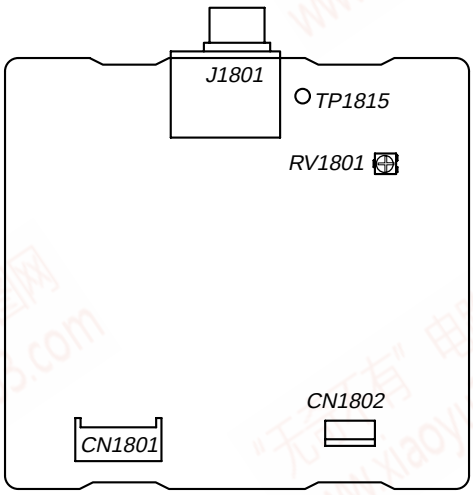
1. Connect the oscilloscope to TP1815 and GND on the DIAT-TX board.
2. Connect DIR-T1 to DIR-T1 jack (DIAT-TX board: J1801).
3. Confirm trigger is locked.
4. Adjust RV1801 on the DIAT-TX board so that the center of waveform becomes 2.2 to 2.4 Vp-p.

RF Signal Reference Waveform



Adjustment Location:

– DIAT- TX Board (SIDE A) –



SECTION 6
DIAGRAMS

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

For Schematic Diagrams.
Note:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

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

- ▬▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages and waveforms are dc with respect to ground in service mode.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
  no mark : DVD STOP
  ∗ : Impossible to measure
- Voltages are taken with VOM (Input impedance 10 MΩ).
- Circled numbers refer to waveforms.
- Signal path.
  : AUDIO
  : CD PLAY
  : DVD PLAY
  : TUNER
  : VIDEO
  : Y
  : CHROMA
  : R.G.B
  : COMPONENT VIDEO
  : AUDIO IN
  : DIGITAL IN
- Abbreviation

AUS	: Australian model
E3	: 220 – 240V AC area in E model
E32	: 110 – 240V AC area in E model
KR	: Korean model
MX	: Mexican model
SP	: Singapore model
TW	: Taiwan model

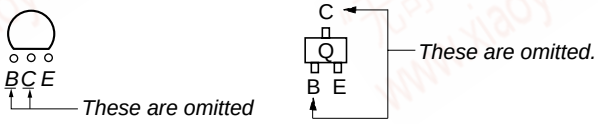
For Printed Wiring Boards.
Note:

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

(The other layers' patterns are not indicated.)

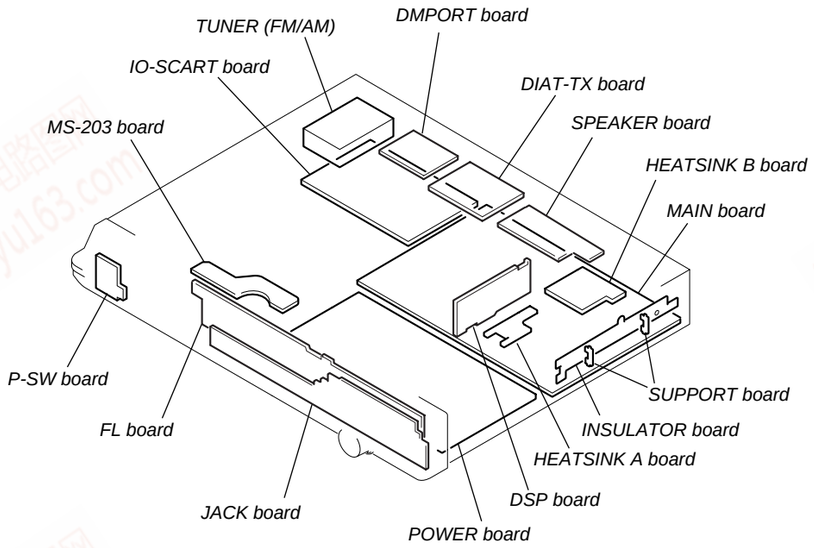
Caution:
Pattern face side: (SIDE B) Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (SIDE A) Parts on the parts face side seen from the parts face are indicated.

- Indication of transistor.

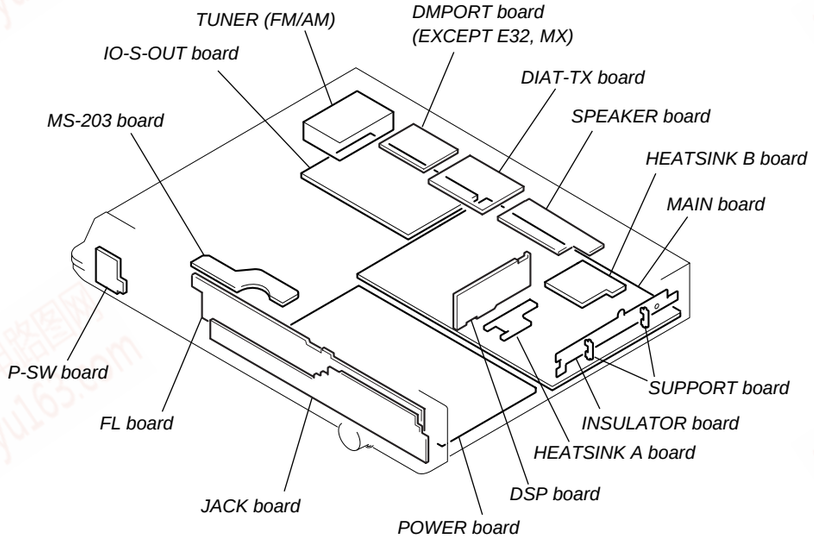


• Circuit Boards Location

(DZ830W)



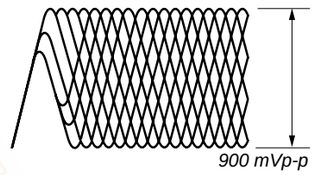
(DZ850KW)



• Waveforms

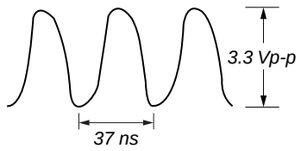
– MAIN Board –

① IC1101 ⑥ (DVDRFIP)



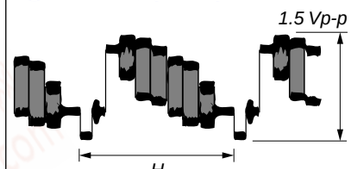
200 mV/DIV, 100 ns/DIV

② IC1101 ㉞ (XTALI)



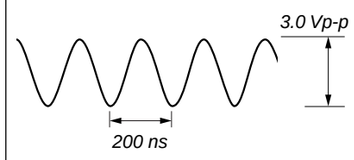
1 V/DIV, 10 ns/DIV

③ IC1101 ⑱ (CVBS)



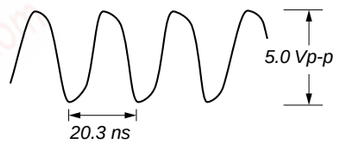
500 mV/DIV, 20 µs/DIV

④ IC501 ⑮ (XIN)



1 V/DIV, 100 ns/DIV

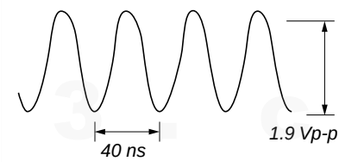
⑤ IC3010 ㊽ (XFSOIN)



1 V/DIV, 10 ns/DIV

– DSP Board –

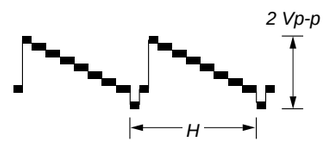
① IC002 ⑭ (CLKIN)



1 V/DIV, 20 ns/DIV

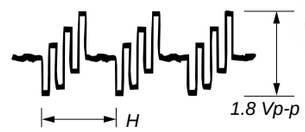
– IO-SCART Board – (DZ830W)

① IC201 ㉔ (CYOUTa)



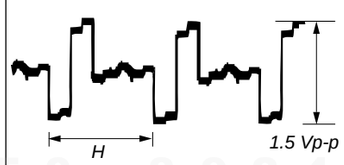
1 V/DIV, 20 µs/DIV

② IC201 ㉑ (CbOUTa)



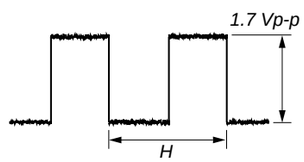
500 mV/DIV, 20 µs/DIV

③ IC201 ⑱ (CrOUTa)



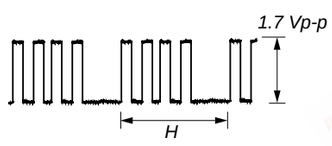
500 mV/DIV, 20 µs/DIV

④ IC230 ㉔ (CYOUTa)



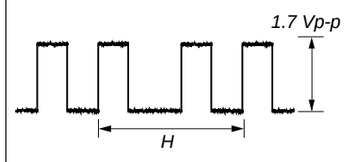
500 mV/DIV, 20 µs/DIV

⑤ IC230 ㉑ (CbOUTa)



500 mV/DIV, 20 µs/DIV

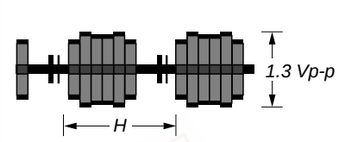
⑥ IC230 ⑱ (CrOUTa)



500 mV/DIV, 20 µs/DIV

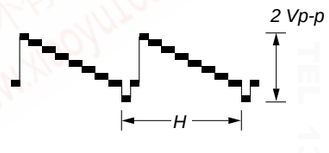
– IO-S-OUT Board – (DZ850KW)

① IC308 ㉖ (C OUT)



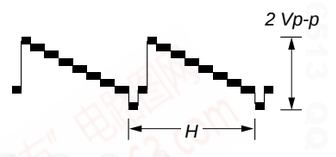
1 V/DIV, 20 µs/DIV

② IC308 ㉑ (Y OUT)



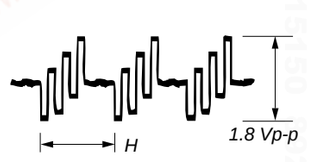
1 V/DIV, 20 µs/DIV

③ IC308 ⑳ (CY OUT)



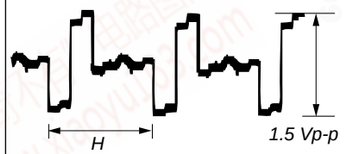
1 V/DIV, 20 µs/DIV

④ IC308 ⑱ (Cb OUT)



500 mV/DIV, 20 µs/DIV

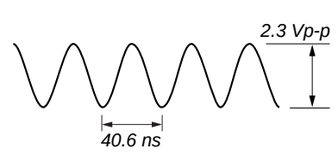
⑤ IC308 ⑯ (Cr OUT)



500 mV/DIV, 20 µs/DIV

– DIAT-TX Board –

① IC1804 ㊼ (OSC1)

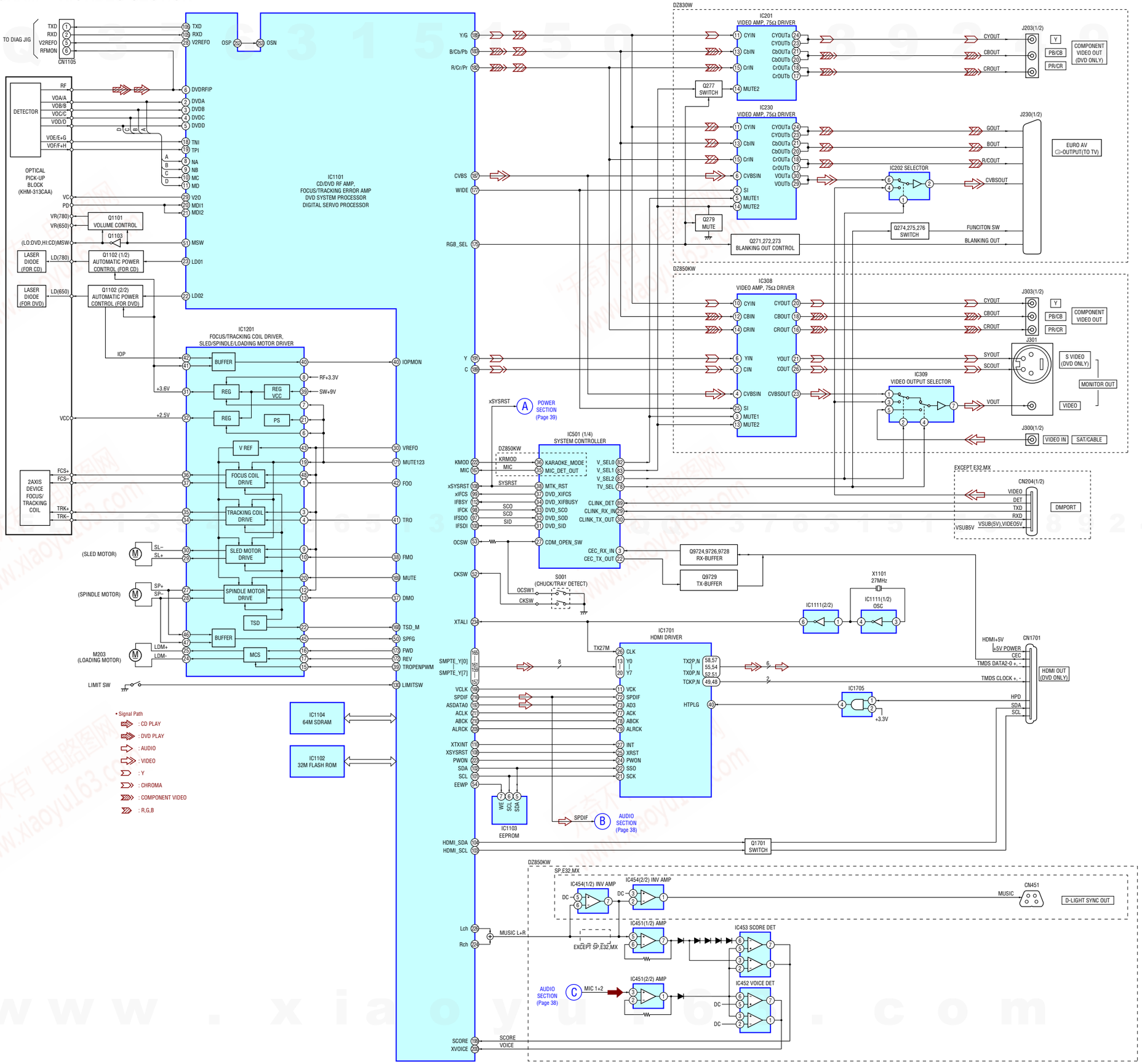


500 mV/DIV, 20 ns/DIV

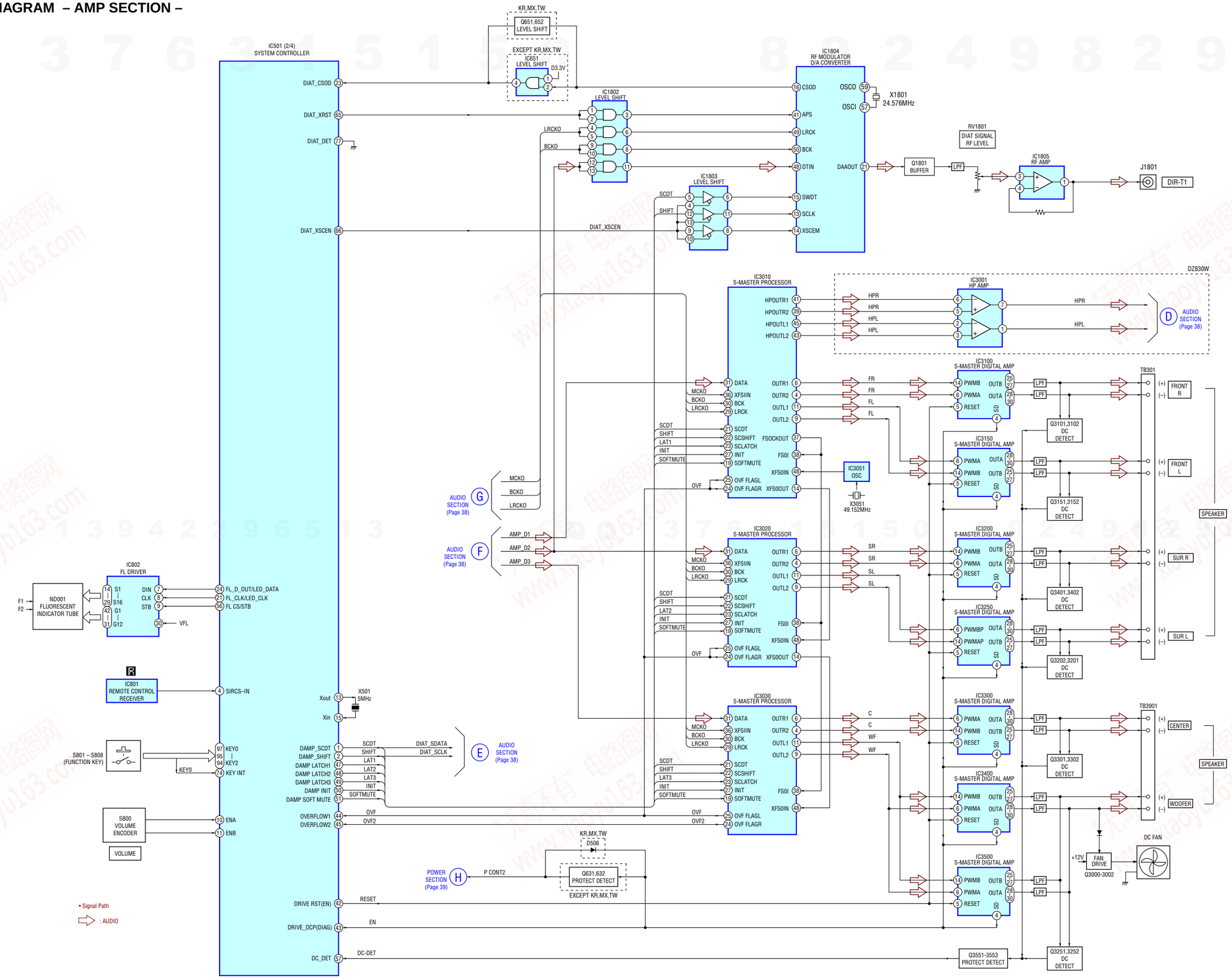
HCD-DZ830W/DZ850KW

Ver. 1.1

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



6-2. BLOCK DIAGRAM – AMP SECTION –



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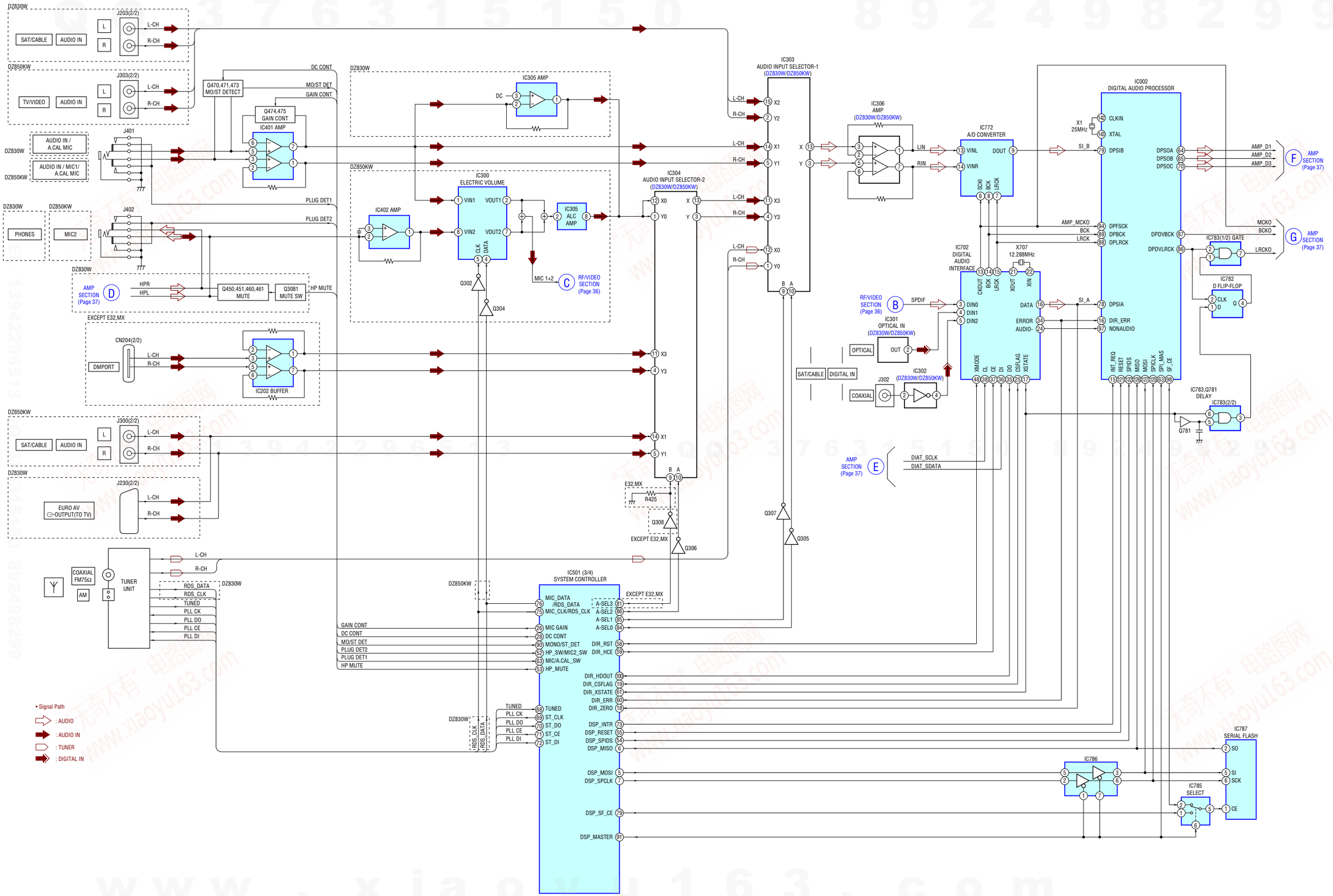
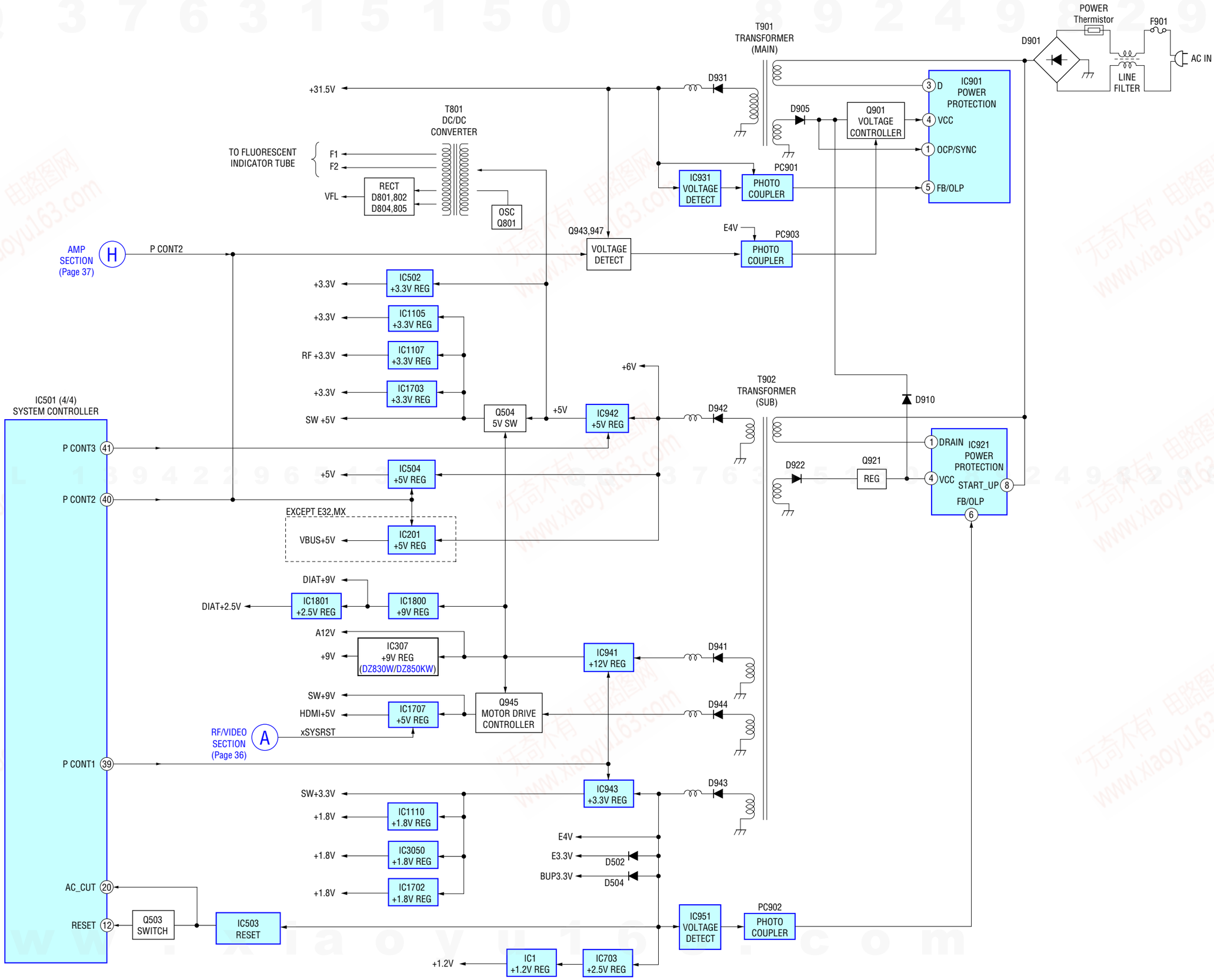
6-3. BLOCK DIAGRAM – AUDIO SECTION –



6-4. BLOCK DIAGRAM – POWER SECTION –

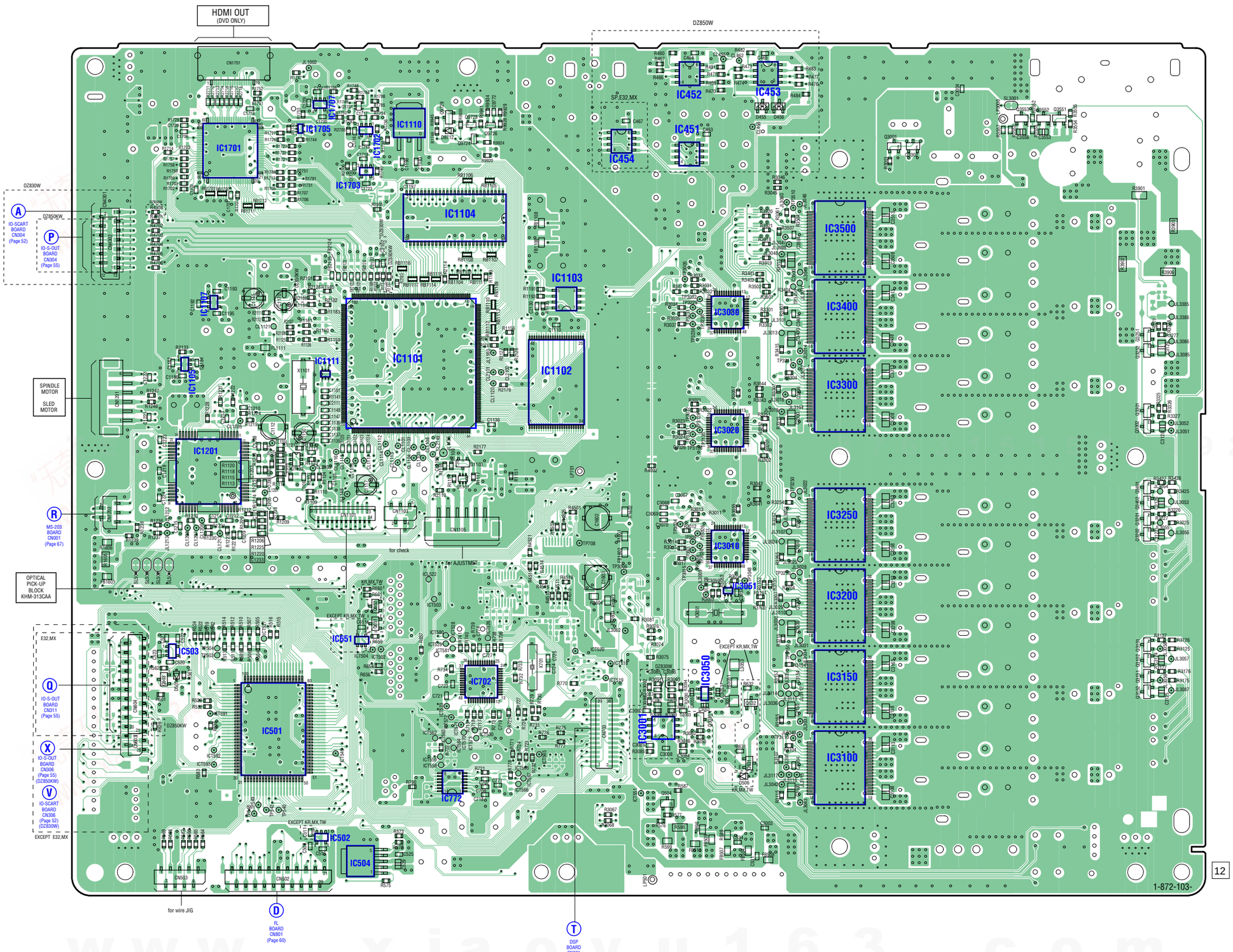


6-5. PRINTED WIRING BOARD – MAIN BOARD (SIDE A) –

• See page 35 for Circuit Boards Location.

:Uses unleaded solder.

【MAIN BOARD】(SIDE A)



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

A B C D E F G H I J K L M

- **Semiconductor Location**

Ref. No.	Location
D455	C-10
D456	C-10
D501	J-3
D506	K-10
D9712	C-6
IC451	C-9
IC452	B-9
IC453	B-10
IC454	C-8
IC501	J-4
IC502	K-5
IC503	I-3
IC504	L-5
IC651	I-5
IC702	J-7
IC772	K-6
IC1101	F-6
IC1102	F-8
IC1103	E-8
IC1104	D-6
IC1105	F-3
IC1107	E-3
IC1110	C-6
IC1111	F-5
IC1201	G-3
IC1701	C-4
IC1702	C-5
IC1703	D-5
IC1705	C-5
IC1707	C-5
IC3001	J-9
IC3010	H-10
IC3020	F-10
IC3030	E-10
IC3050	J-9
IC3051	H-10
IC3100	K-11
IC3150	J-11
IC3200	I-11
IC3250	H-11
IC3300	F-11
IC3400	E-11
IC3500	D-11
Q503	J-3
Q504	K-9
Q631	K-10
Q632	J-10
Q651	I-5
Q652	I-5
Q1101	G-6
Q1102	G-4
Q1103	G-6
Q1701	C-5
Q3001	C-12
Q3002	C-12
Q3081	J-9
Q3101	I-15
Q3102	I-15
Q3151	J-15
Q3152	J-15
Q3201	H-15
Q3202	H-15
Q3251	E-15
Q3252	F-15
Q3301	F-15
Q3302	F-15
Q3401	G-15
Q3402	G-15
Q3551	C-14
Q3552	C-14
Q3553	C-13
Q9724	C-6
Q9726	C-7
Q9728	C-7
Q9729	C-6

6-6. PRINTED WIRING BOARD – MAIN BOARD (SIDE B) –

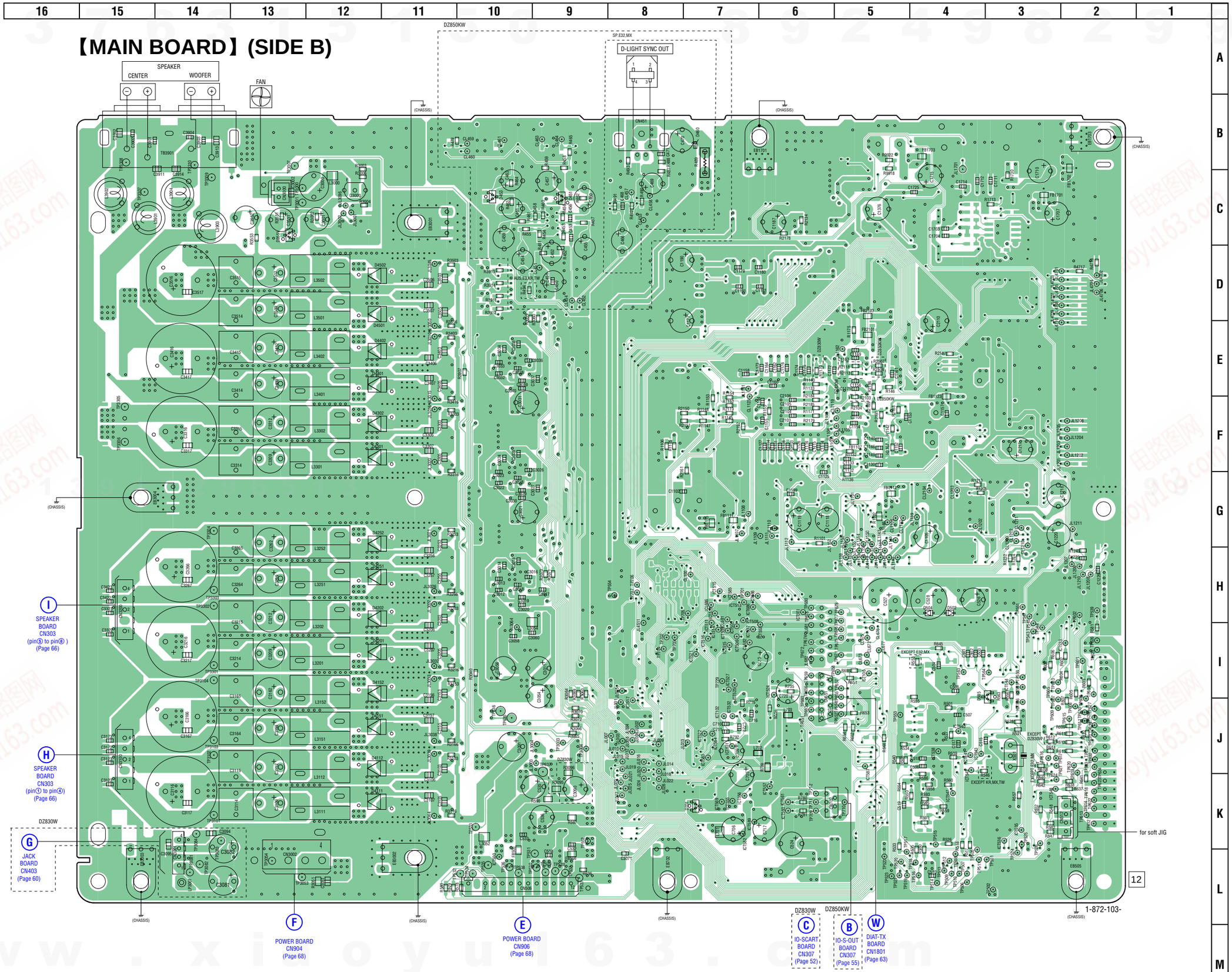
• See page 35 for Circuit Boards Location.

:Uses unleaded solder.

- **Semiconductor Location**

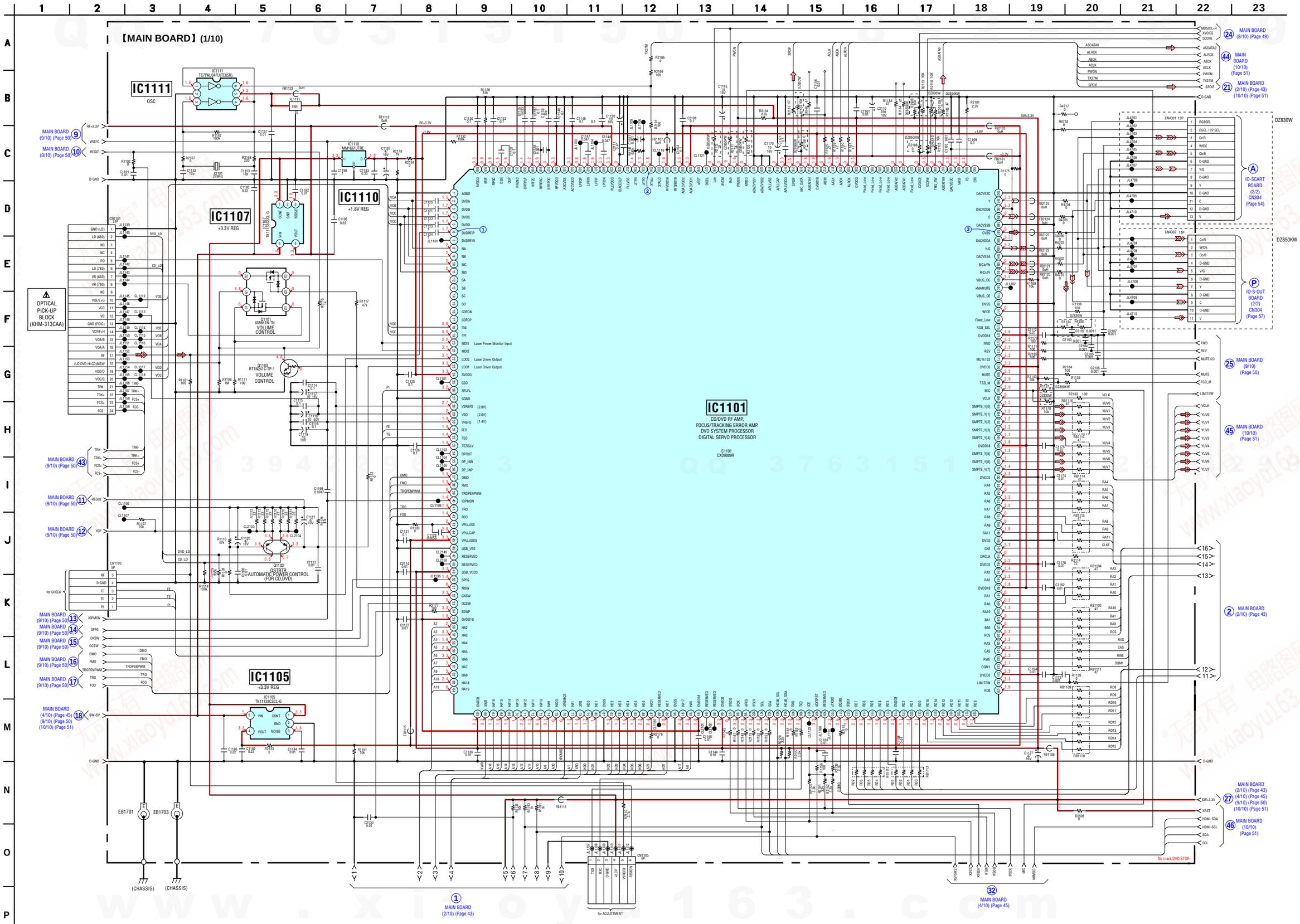
Ref. No.	Location
D451	C-9
D453	C-10
D460	B-7
D502	H-4
D504	H-4
D505	J-3
D701	K-7
D3551	C-13
D4111	K-12
D4112	J-12
D4151	J-12
D4152	I-12
D4201	I-12
D4202	H-12
D4251	H-12
D4252	G-12
D4301	F-12
D4302	F-12
D4401	E-12
D4402	E-12
D4501	D-12
D4502	D-12
Q3000	C-12

【MAIN BOARD】(SIDE B)



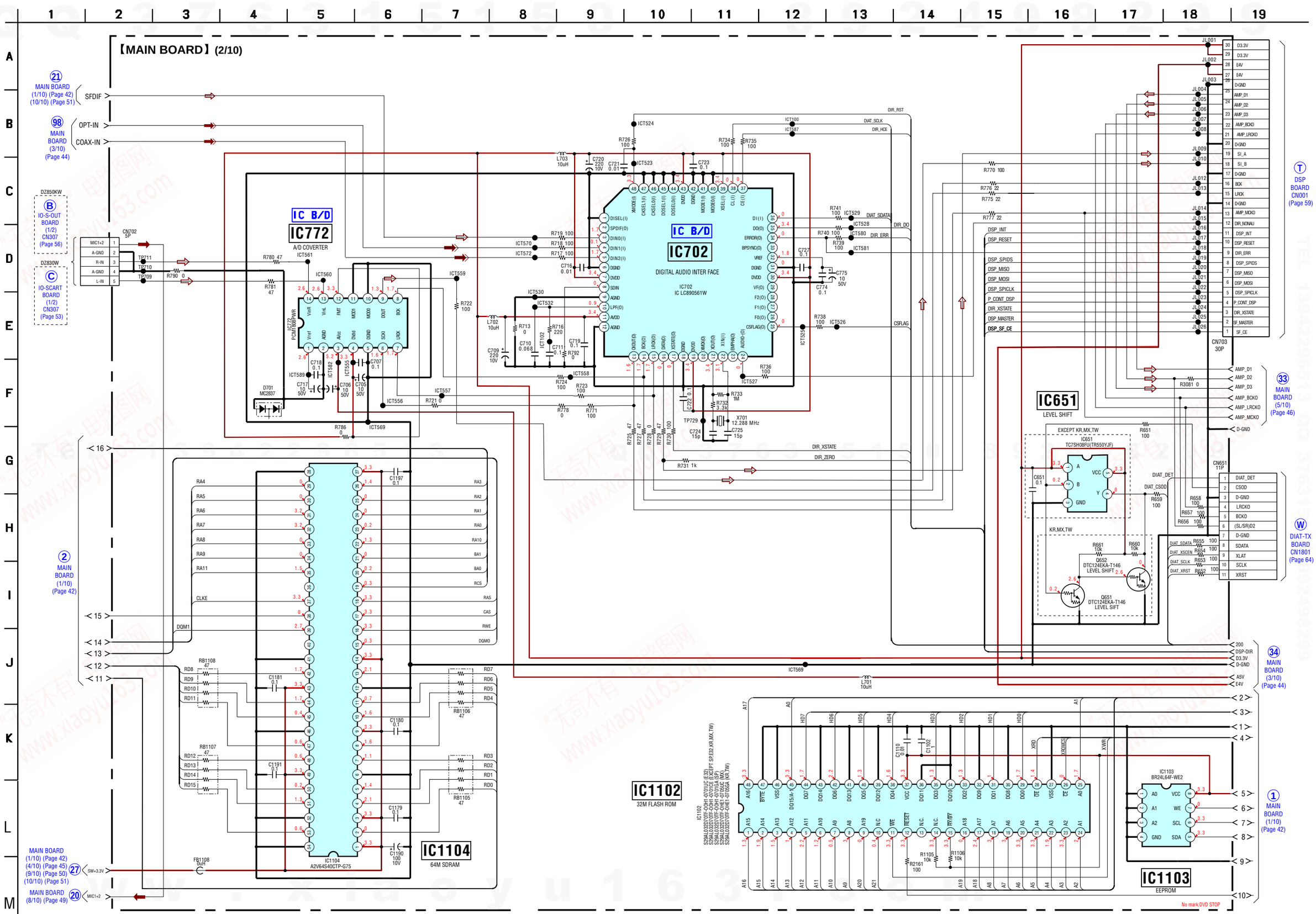
6-7. SCHEMATIC DIAGRAM – MAIN BOARD (1/10) –

• See page 35 for Waveforms. • See page 77 for IC Pin Function Description.



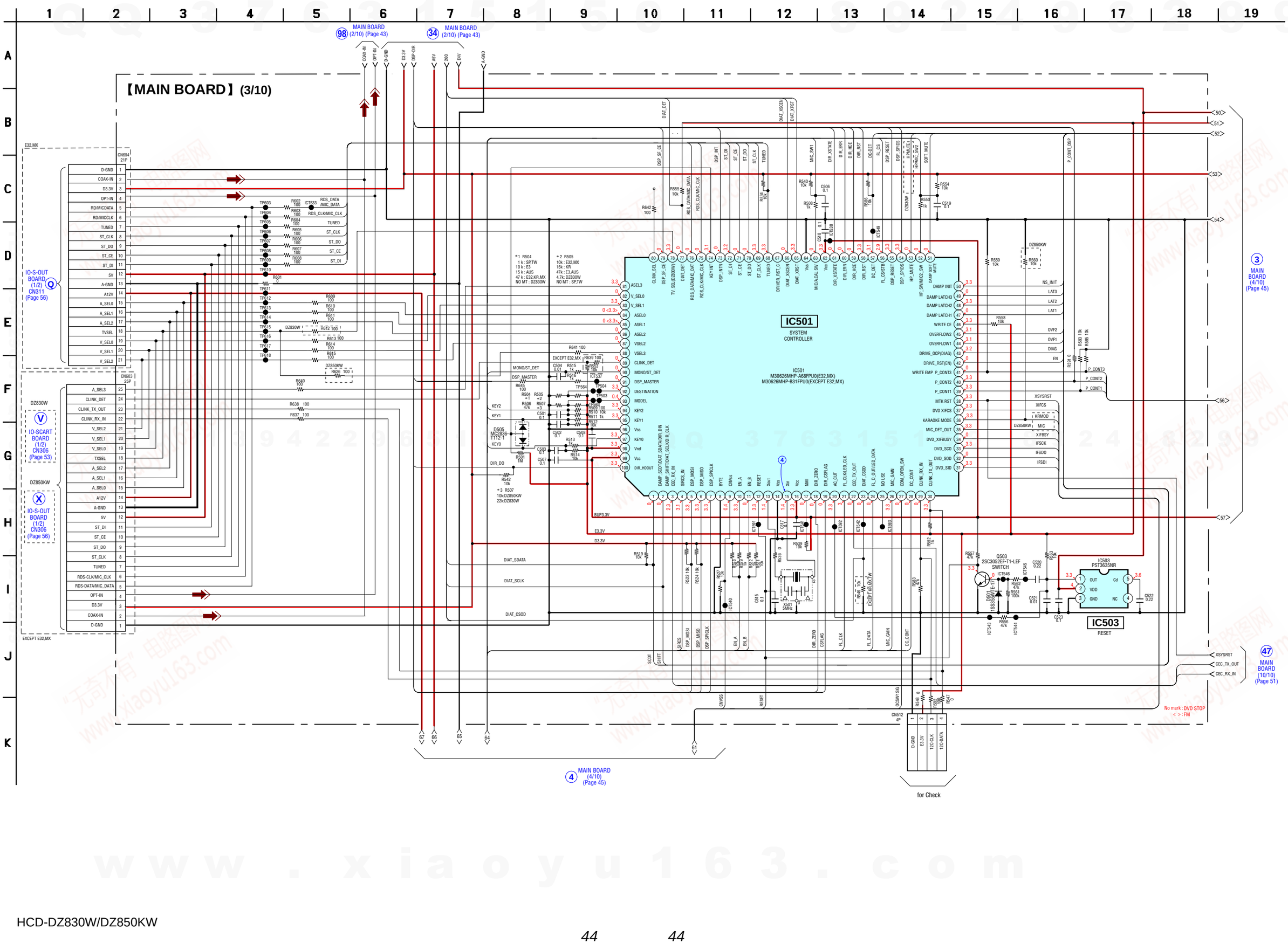
6-8. SCHEMATIC DIAGRAM – MAIN BOARD (2/10) –

• See page 70, 71 for IC Block Diagrams.

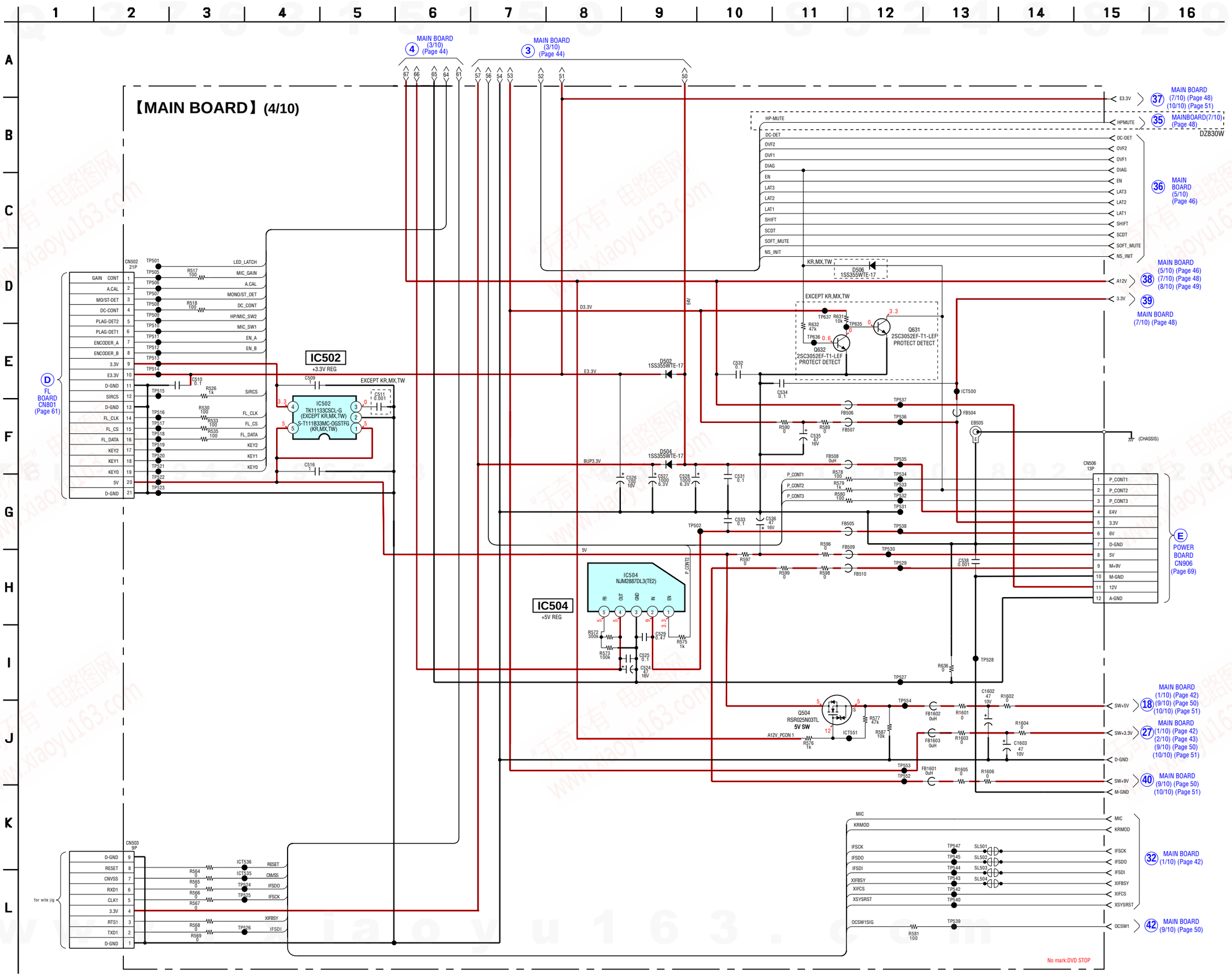


6-9. SCHEMATIC DIAGRAM – MAIN BOARD (3/10) –

• See page 35 for Waveform. • See page 82 for IC Pin Function Description.

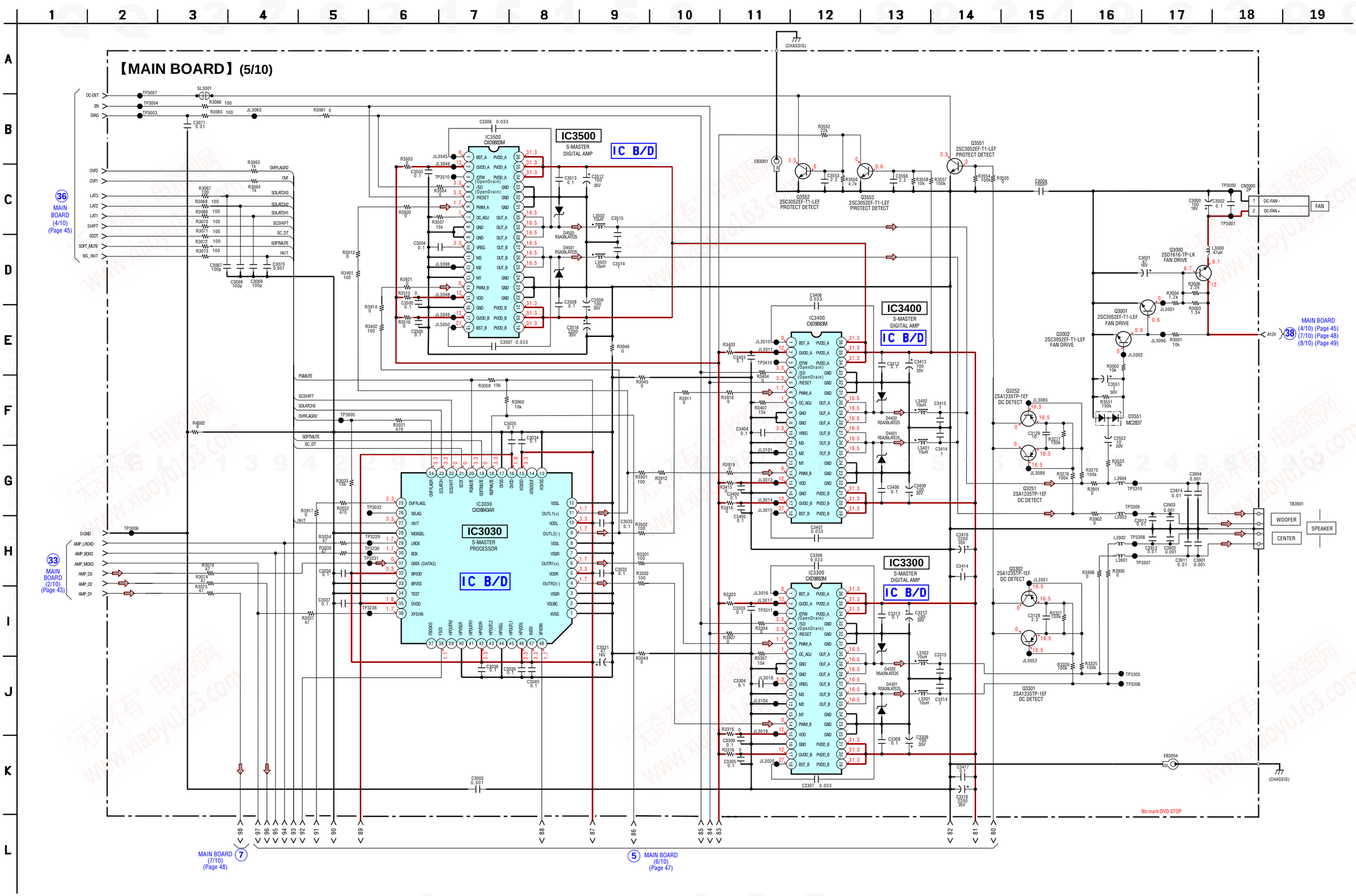


6-10. SCHEMATIC DIAGRAM – MAIN BOARD (4/10) –



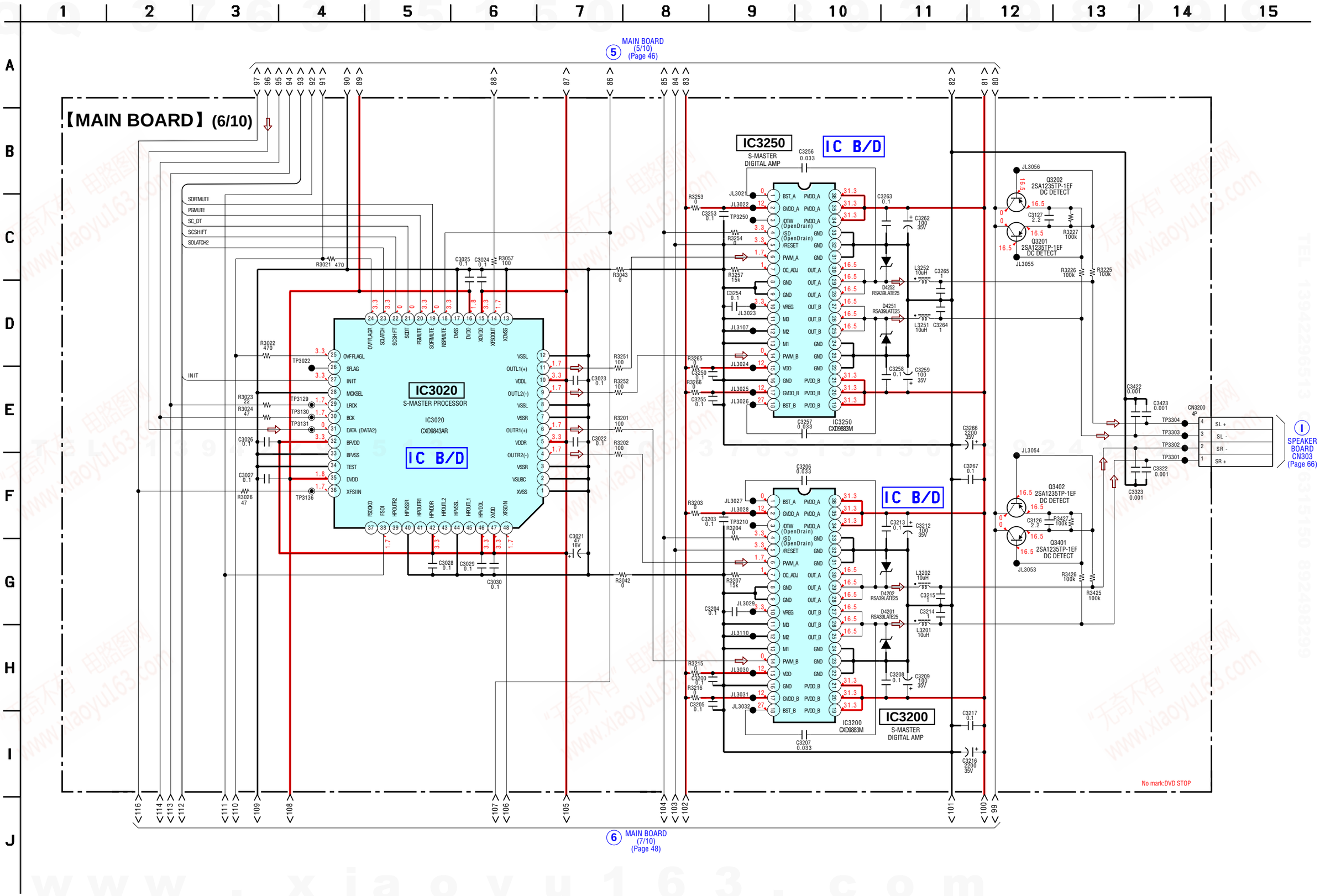
6-11. SCHEMATIC DIAGRAM – MAIN BOARD (5/10) –

• See page 70, 72 for IC Block Diagrams.



6-12. SCHEMATIC DIAGRAM – MAIN BOARD (6/10) –

• See page 70, 72 for IC Block Diagrams.



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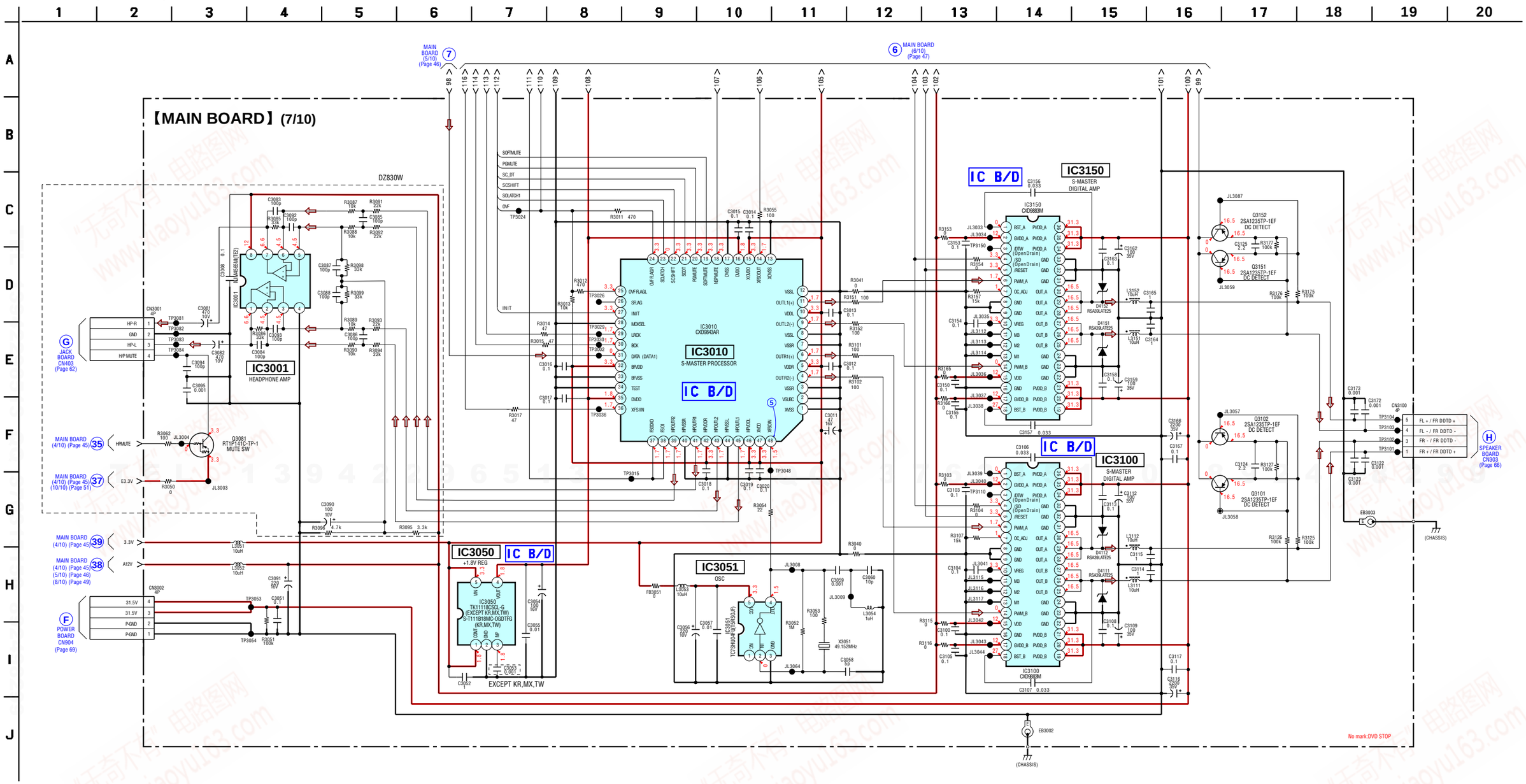
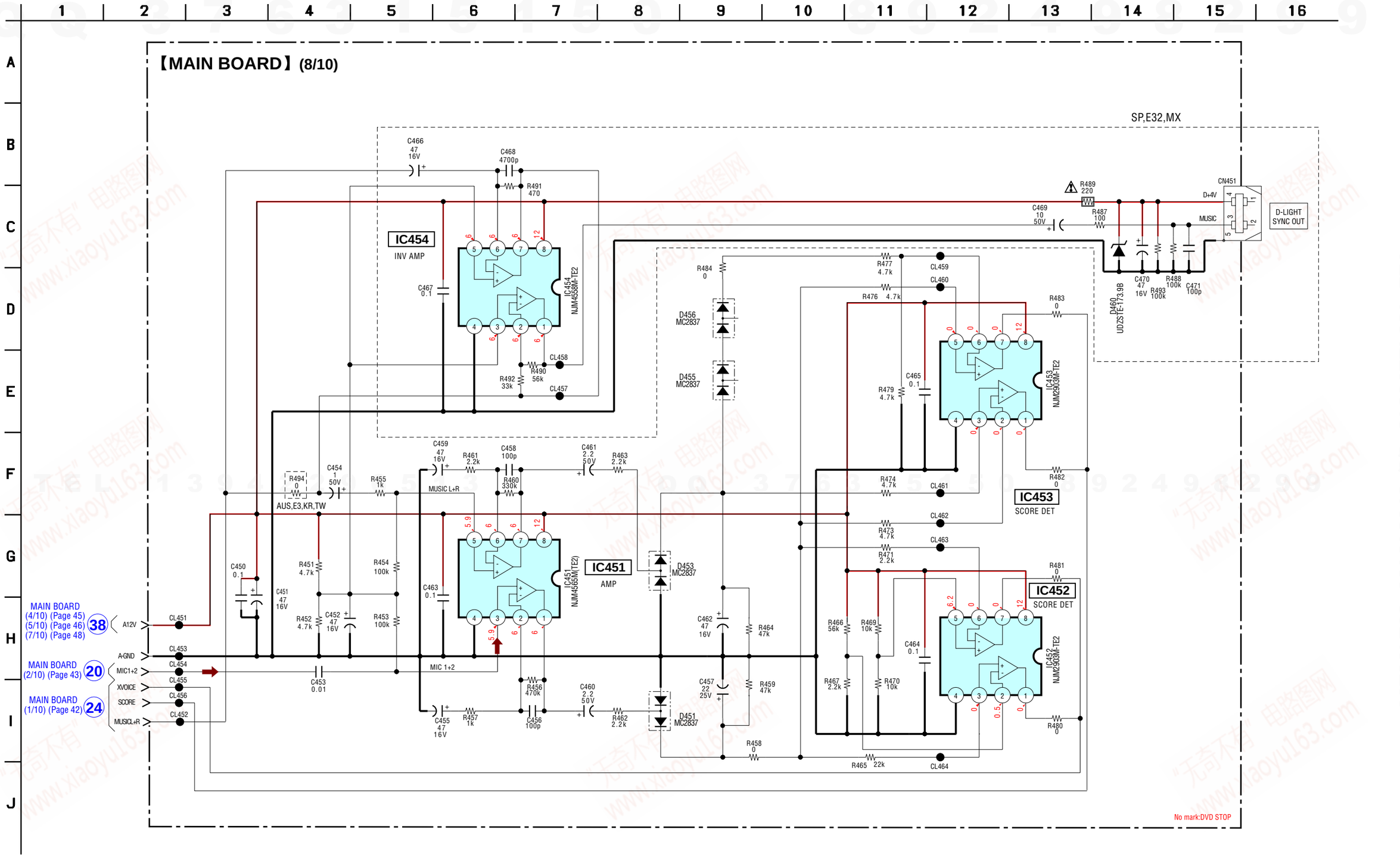
6-13. SCHEMATIC DIAGRAM – MAIN BOARD (7/10) –

• See page 35 for Waveform. • See page 70, 72 for IC Block Diagrams.

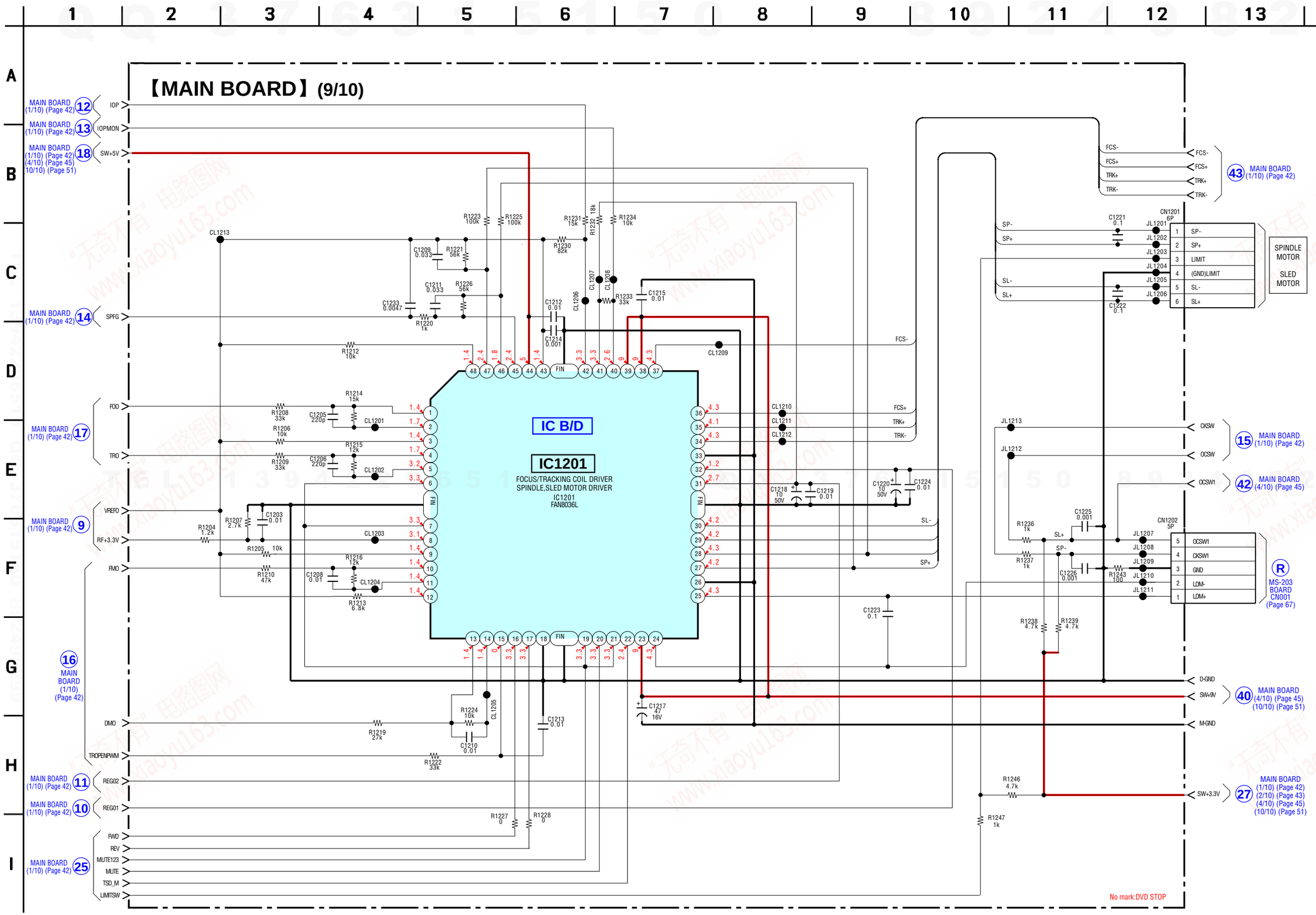


6-14. SCHEMATIC DIAGRAM – MAIN BOARD (8/10) –



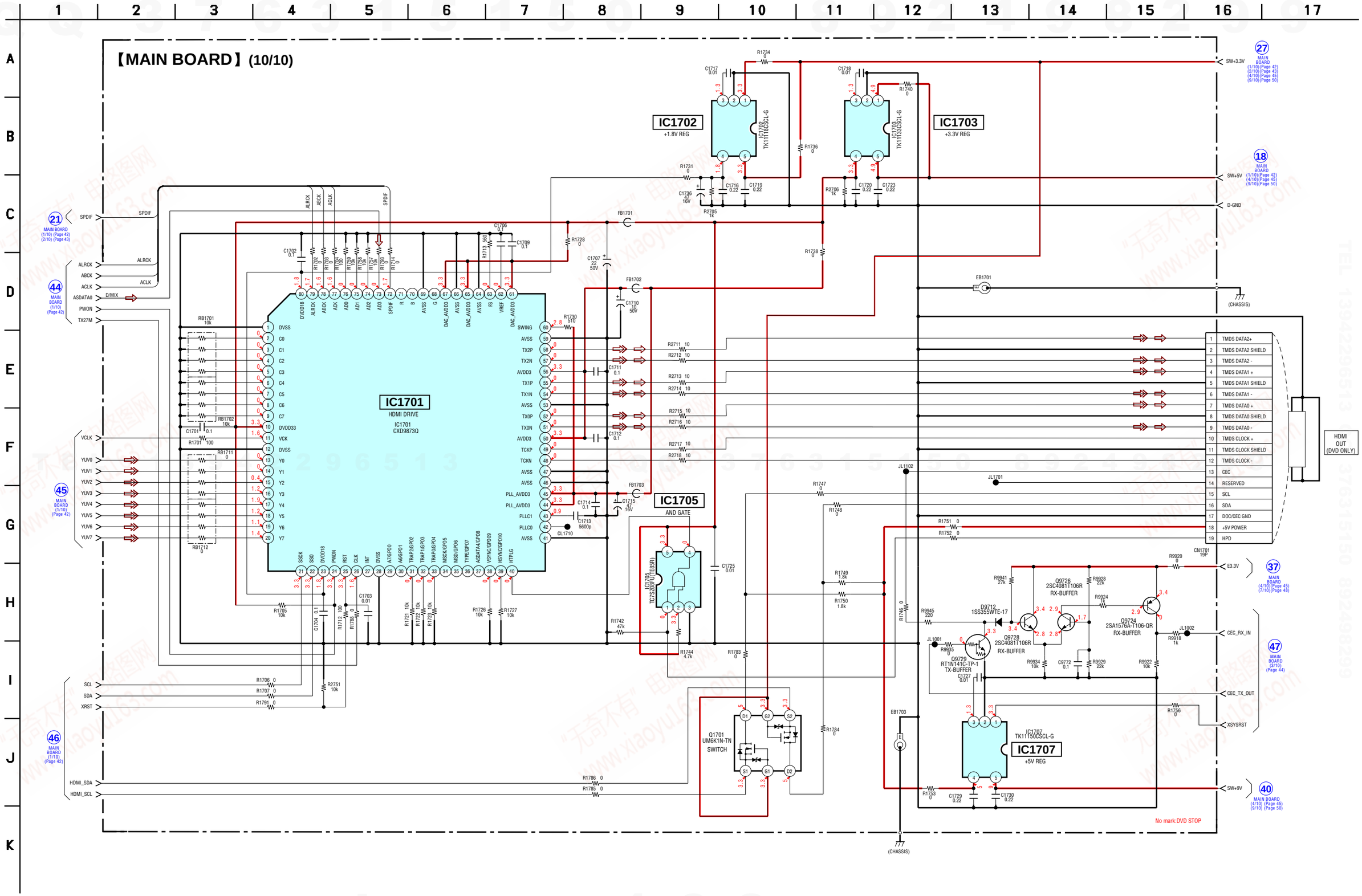
6-15. SCHEMATIC DIAGRAM – MAIN BOARD (9/10) –

• See page 70 for IC Block Diagram.



6-16. SCHEMATIC DIAGRAM – MAIN BOARD (10/10) –

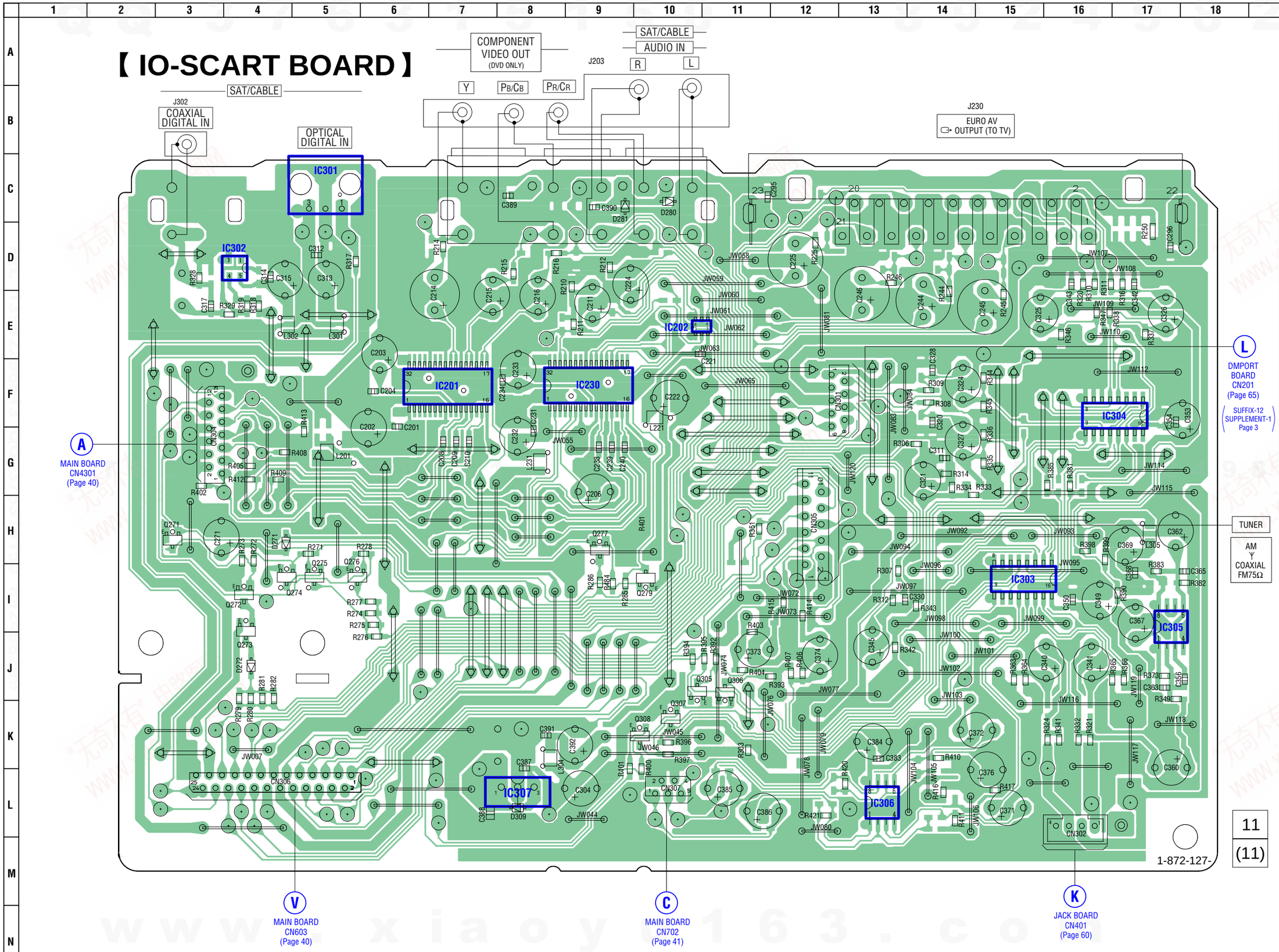
• See page 85 for IC Pin Function Description.



6-17. PRINTED WIRING BOARD – IO-SCART BOARD (DZ830W) –

• See page 35 for Circuit Boards Location. :Uses unleaded solder.

【 IO-SCART BOARD 】

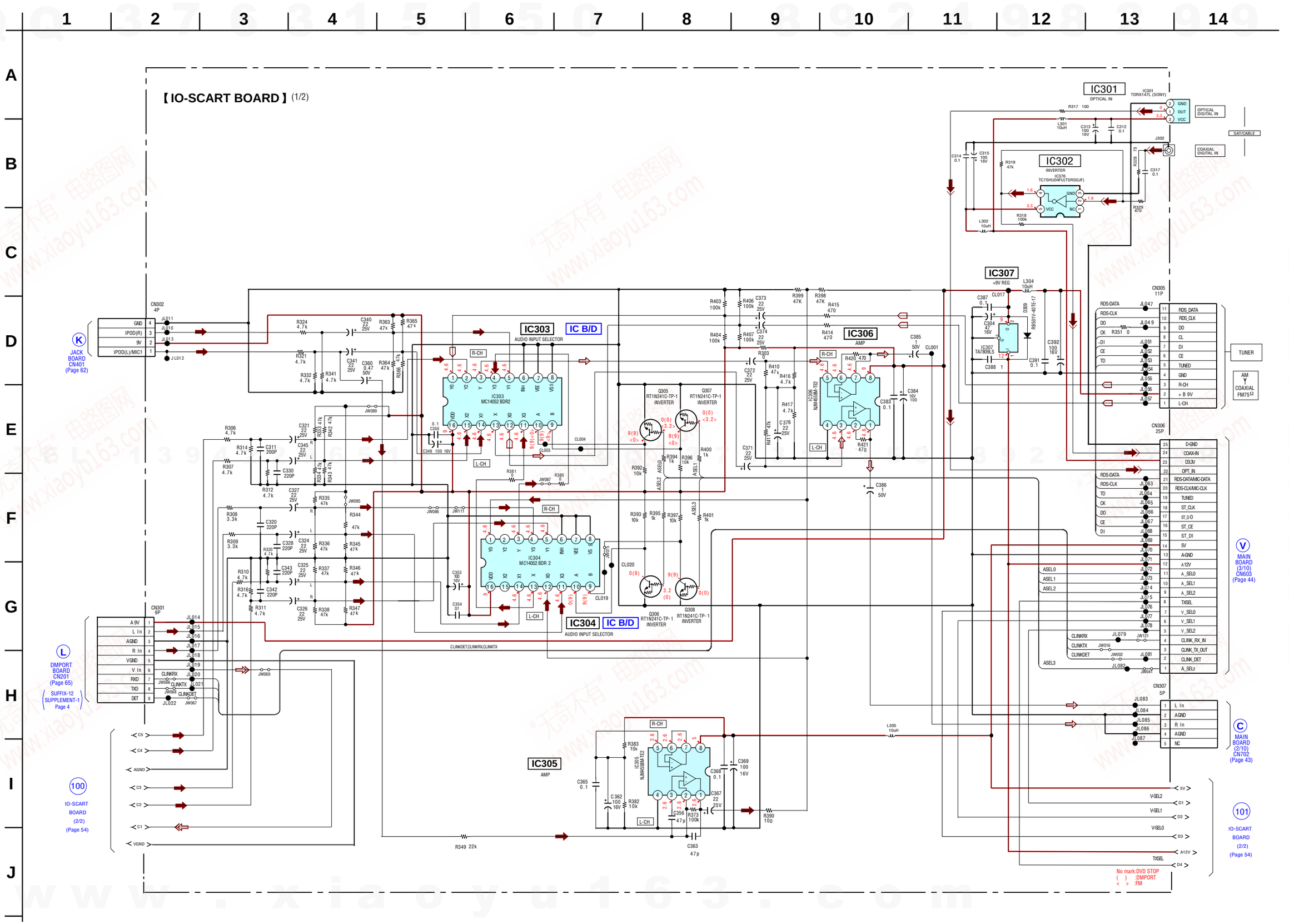


- **Semiconductor Location**

Ref. No.	Location
D271	H-4
D272	J-4
D280	C-10
D281	C-9
D309	L-8
IC201	F-7
IC202	E-10
IC230	F-9
IC301	C-5
IC302	D-4
IC303	I-15
IC304	F-17
IC305	D-17
IC306	L-13
IC307	L-8
Q271	H-3
Q272	I-4
Q273	J-4
Q274	I-4
Q275	I-5
Q276	I-5
Q277	H-9
Q279	I-10
Q305	J-10
Q306	J-11
Q307	K-10
Q308	K-10

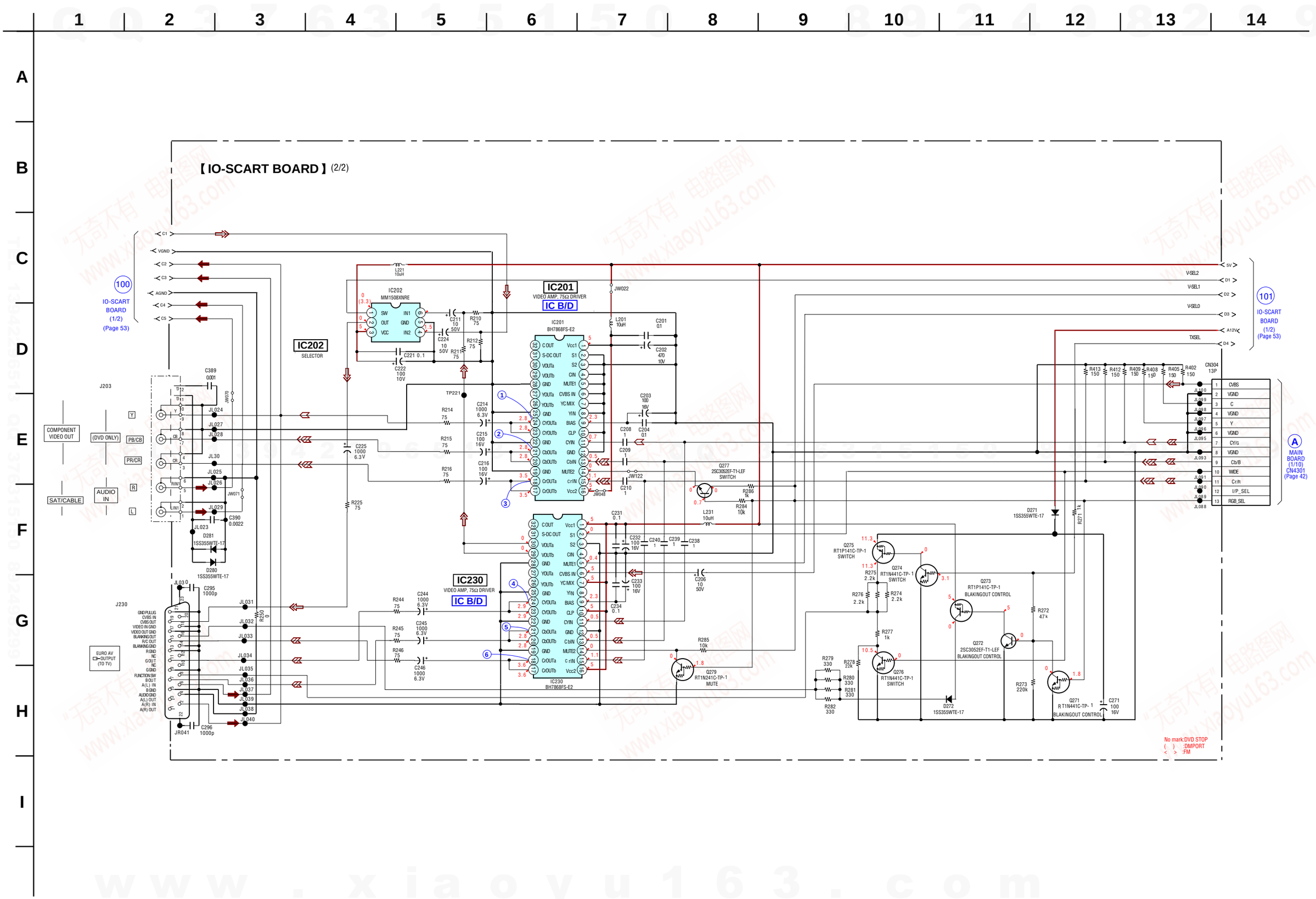
6-18. SCHEMATIC DIAGRAM – IO-SCART BOARD (1/2) (DZ830W) –

• See page 73 for IC Block Diagrams.



6-19. SCHEMATIC DIAGRAM – IO-SCART BOARD (2/2) (DZ830W) –

• See page 35 for Waveforms. • See page 73 for IC Block Diagrams.



6-20. PRINTED WIRING BOARD – IO-S-OUT BOARD (DZ850KW) –

• See page 35 for Circuit Boards Location.

:Uses unleaded solder.

【 IO-S-OUT BOARD】

SAT/CABLE
COAXIAL DIGITAL IN
OPTICAL DIGITAL IN
COMPONENT VIDEO OUT (DVD ONLY)
Y PB/CB PR/CR
TV/VIDEO
AUDIO IN R L
MONITOR OUT
S VIDEO (DVD ONLY)
VIDEO
SAT/CABLE
VIDEO IN
AUDIO IN R L
TUNER
AM
COAXIAL FM75Ω

IC301 IC302 IC303 IC304 IC305 IC306 IC307 IC308 IC309 IC900

P MAIN BOARD CN4302 (Page 40)
Q MAIN BOARD CN604 (Page 40)
B MAIN BOARD CN702 (Page 41)
U DMPORT BOARD CN201 (Page 65) SUFFIX-12 SUPPLEMENT-1 Page 3
J JACK BOARD CN402 (Page 60)
X MAIN BOARD CN603(Page 40)

EXCEPT E32,MX

1-872-125-

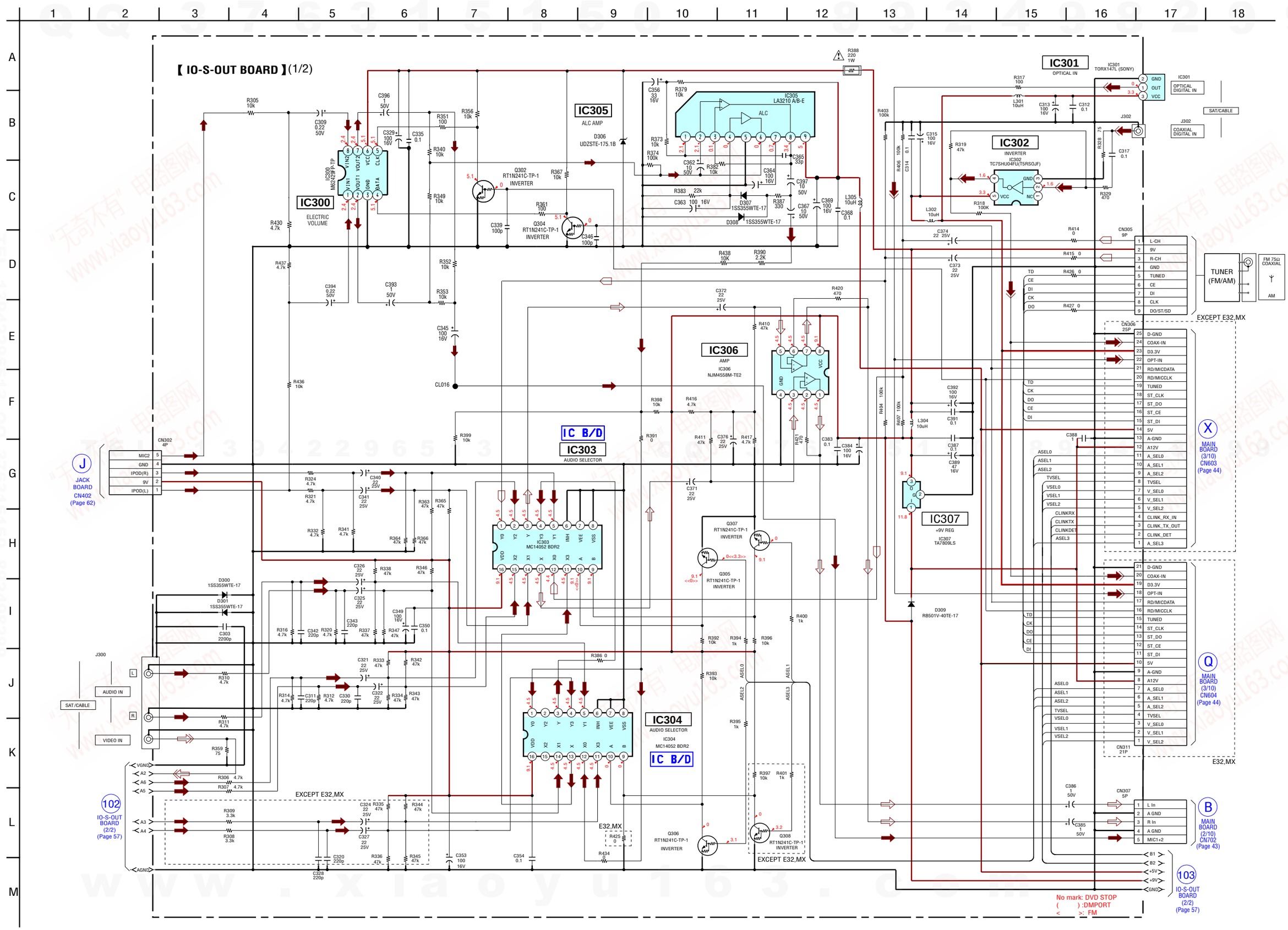
11
(11)

• **Semiconductor Location**

Ref. No.	Location
D280	D-9
D281	D-9
D300	D-14
D301	D-14
D306	L-15
D307	I-15
D308	I-15
D309	M-8
IC300	L-16
IC301	D-5
IC302	F-3
IC303	G-15
IC304	G-17
IC305	J-16
IC306	K-11
IC307	L-9
IC308	G-8
IC309	H-10
Q302	J-17
Q304	J-17
Q305	E-15
Q306	F-17
Q307	E-15
Q308	F-17

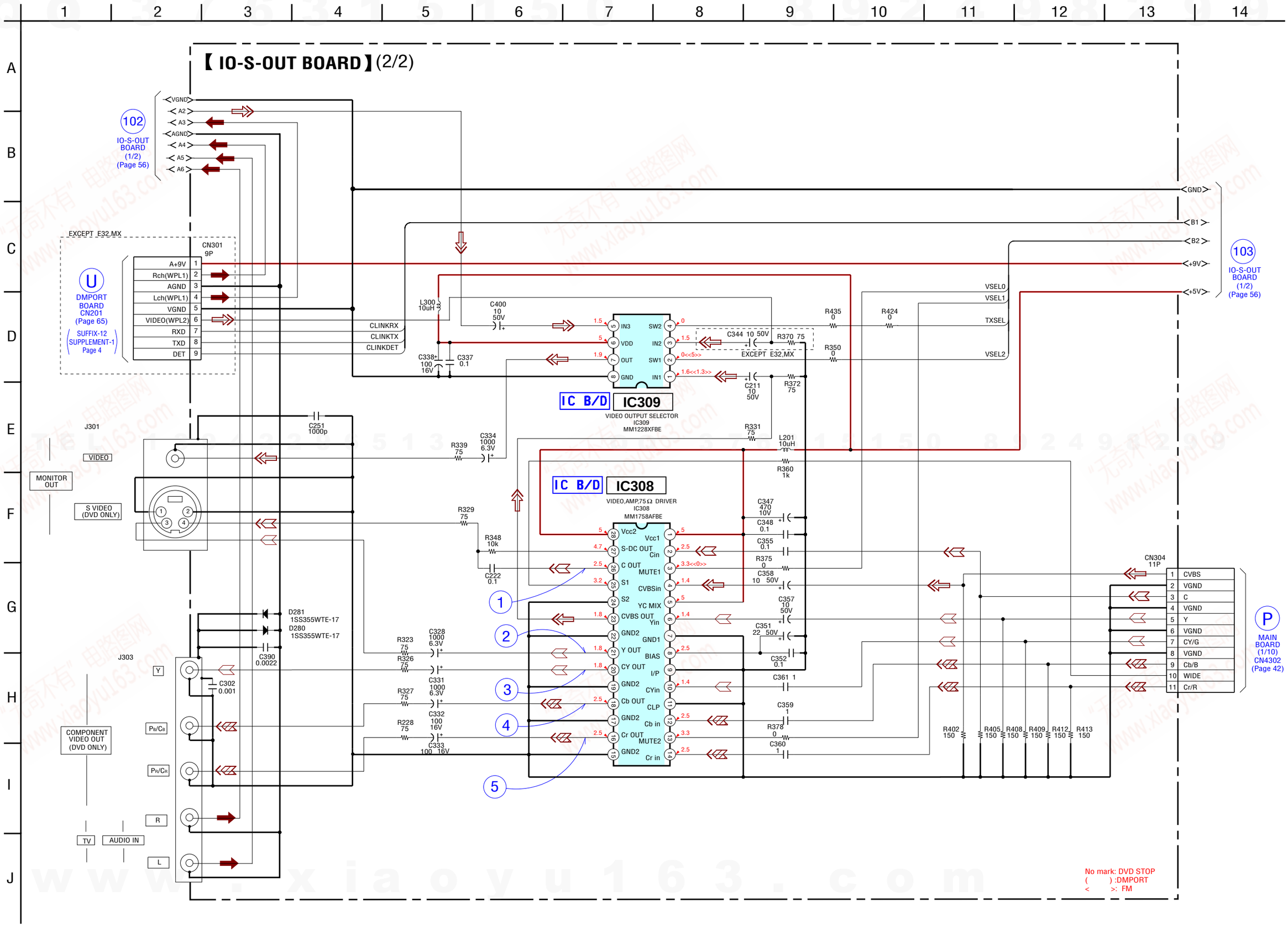
6-21. SCHEMATIC DIAGRAM – IO-S-OUT BOARD (1/2) (DZ850KW) –

• See page 74 for IC Block Diagrams.



6-22. SCHEMATIC DIAGRAM – IO-S-OUT BOARD (2/2) (DZ850KW) –

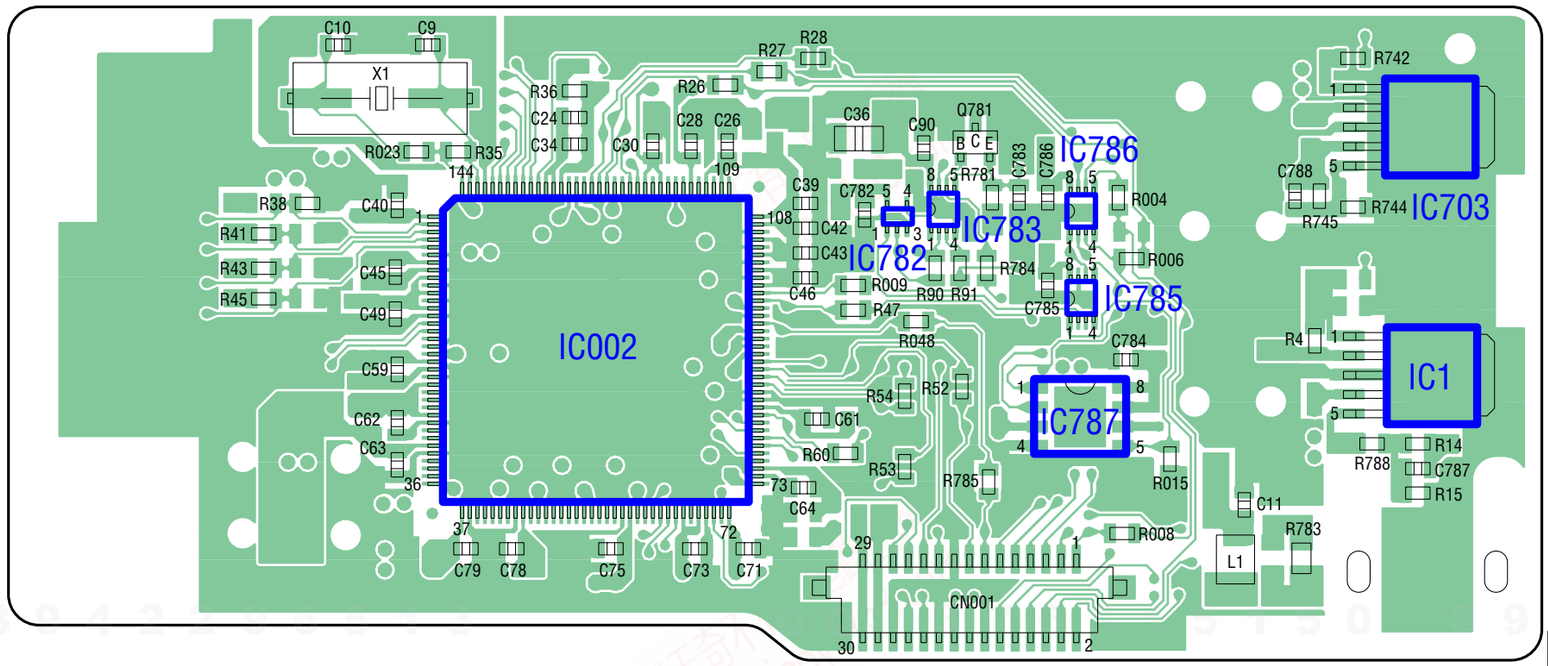
• See page 35 for Waveforms. • See page 74 for IC Block Diagrams.



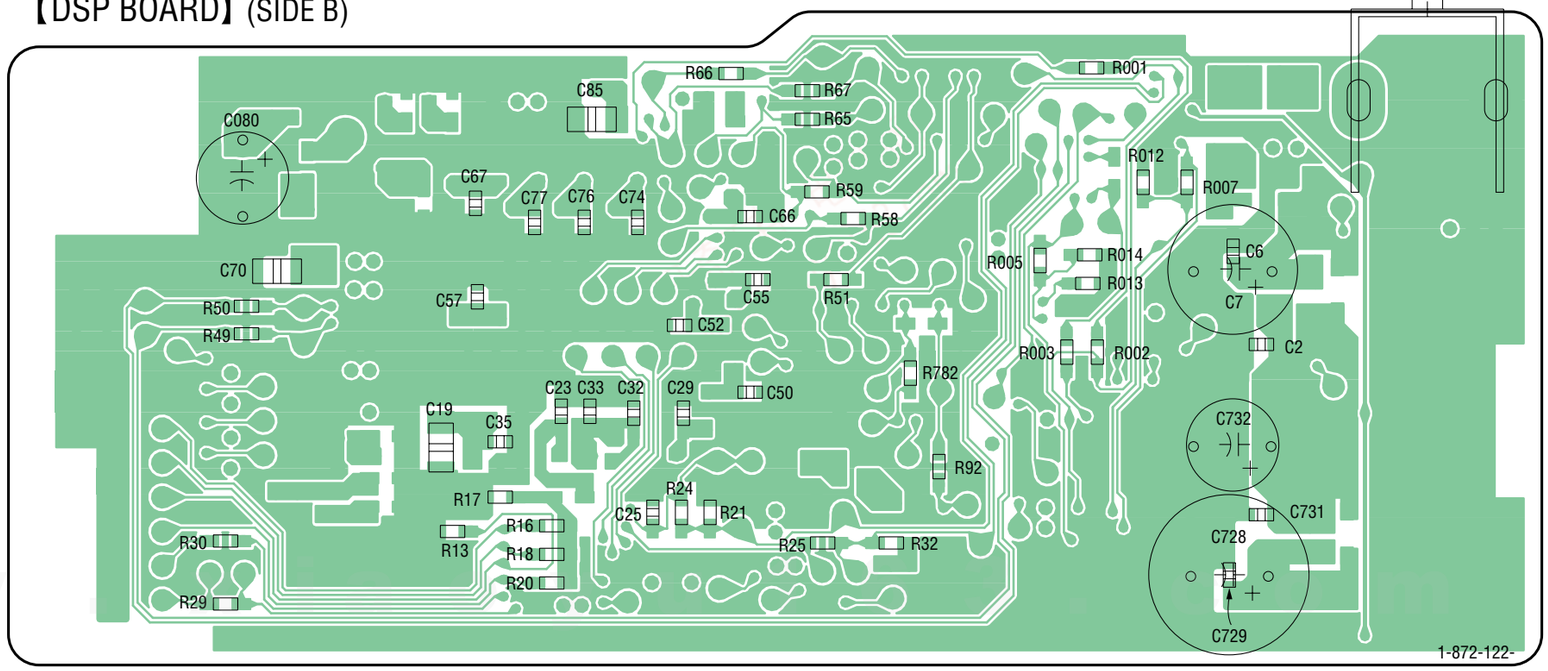
6-23. PRINTED WIRING BOARD – DSP BOARD –

• See page 35 for Circuit Boards Location. :Uses unleaded solder.

【DSP BOARD】(SIDE A)



【DSP BOARD】(SIDE B)



• **Semiconductor Location**

Ref. No.	Location
IC1	B-5
IC002	B-3
IC703	A-5
IC782	B-4
IC783	B-4
IC785	B-4
IC786	B-4
IC787	B-4
Q781	A-4

6-24. SCHEMATIC DIAGRAM – DSP BOARD –

• See page 35 for Waveform. • See page 74, 75 for IC Block Diagrams. • See page 87 for IC Pin Function Description.

【DSP BOARD】

IC002
DIGITAL AUDIO PROCESSOR
IC002
ADSST-AVR-1115

IC1
+1.2V REG
IC B/D

IC703
+2.5V REG
IC B/D

IC782
D FLIP-FLOP
IC B/D

IC783
GATE/DELAY

IC785
SELECT
IC B/D

IC786
BUFFER

IC787
SERIAL FLASH

No mark:DVD STOP

T MAIN BOARD (2/10) CN703 (Page 43)

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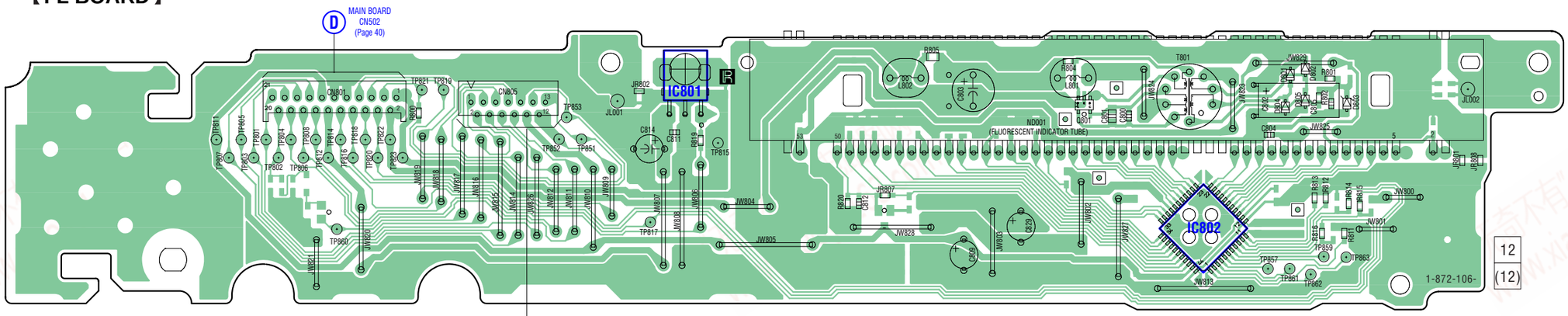
6-25. PRINTED WIRING BOARDS – FL, JACK BOARD –

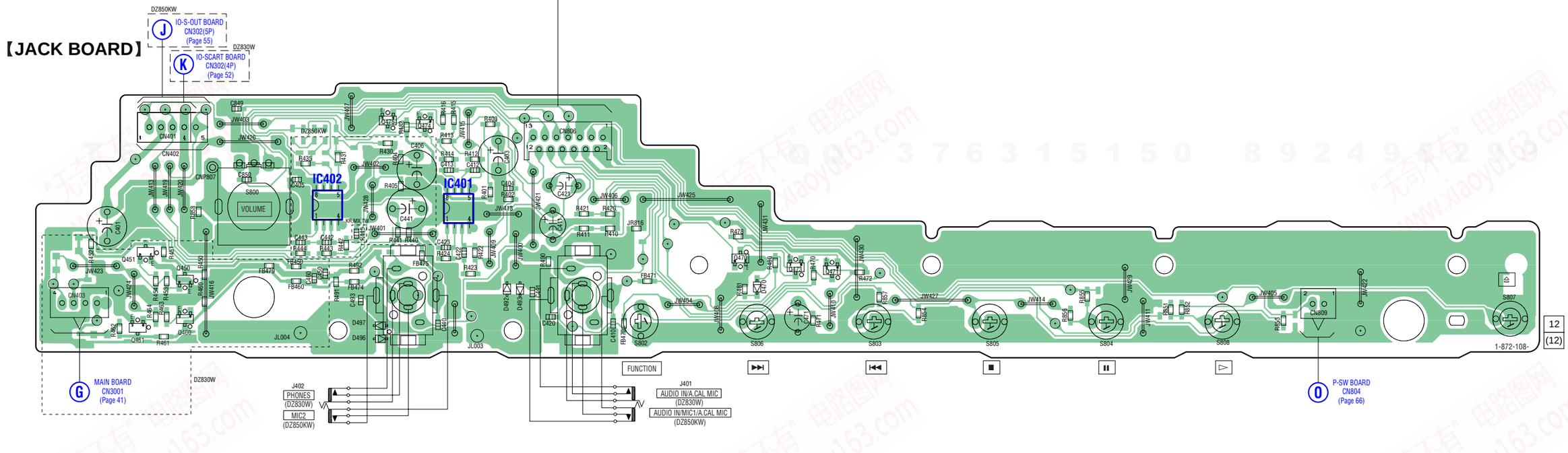
• See page 35 for Circuit Boards Location.

:Uses unleaded solder.

【FL BOARD】



【JACK BOARD】



– FL Board –

- **Semiconductor Location**

Ref. No.	Location
D801	B-20
D802	B-20
D803	C-21
D804	C-20
D805	C-20
IC801	C-12
IC802	E-19
Q801	C-17

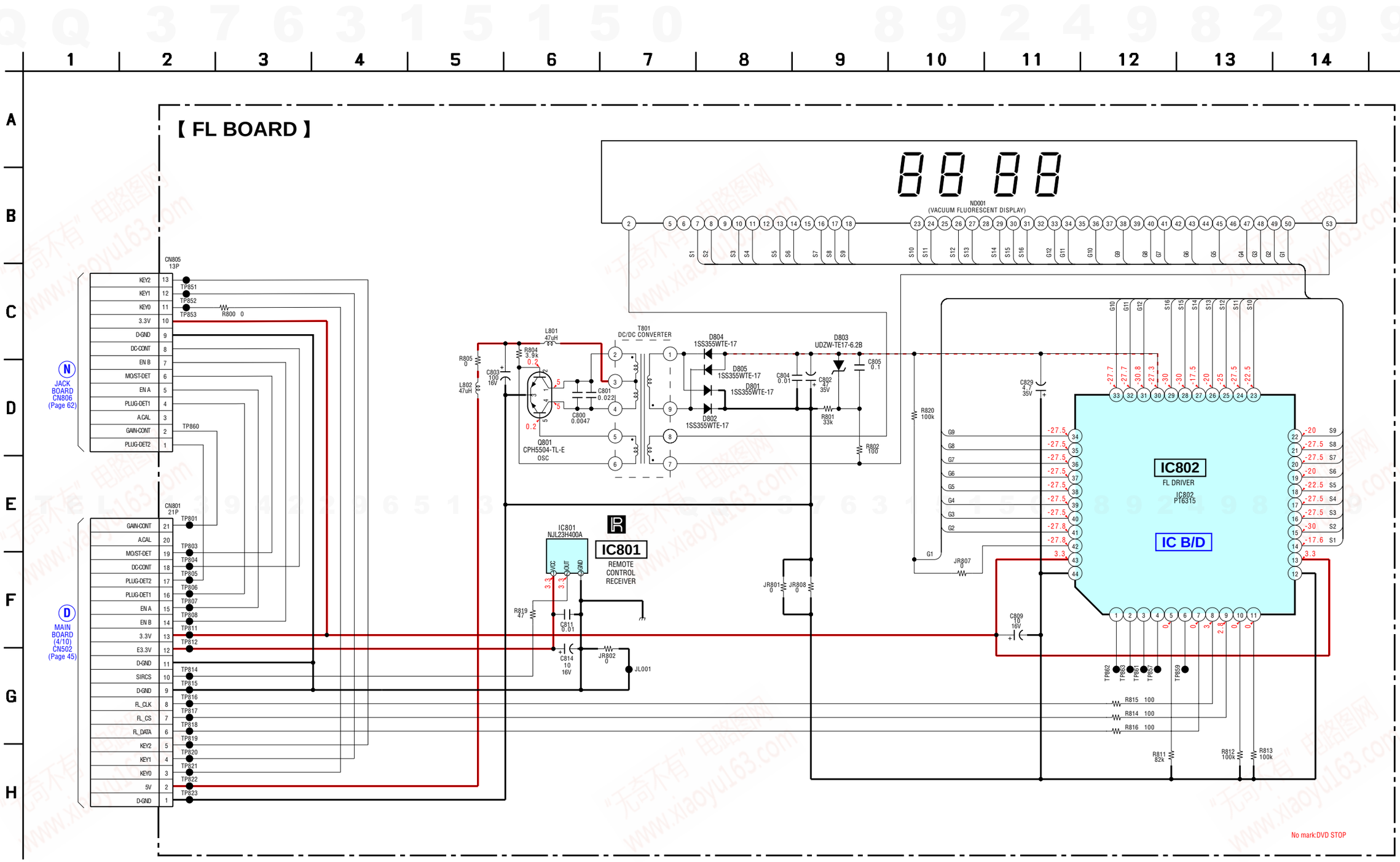
– JACK Board –

- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D470	K-13	Q450 (DZ830W)	K-3	Q473	K-13
D492	K-9			Q474	H-7
D493	K-9	Q451 (DZ830W)	J-3	Q475	H-7
D496	L-7			Q605	D-18
D497	K-7	Q460 (DZ830W)	K-4	Q606	J-6
				Q607	J-6
IC401	J-8	Q461 (DZ830W)	L-3	Q608	J-6
IC402 (DZ850KW)	J-6			Q609	E-20
		Q470	J-12	Q616	B-17
		Q471	K-14		

6-26. SCHEMATIC DIAGRAM – FL BOARD –

• See page 75 for IC Block Diagram.



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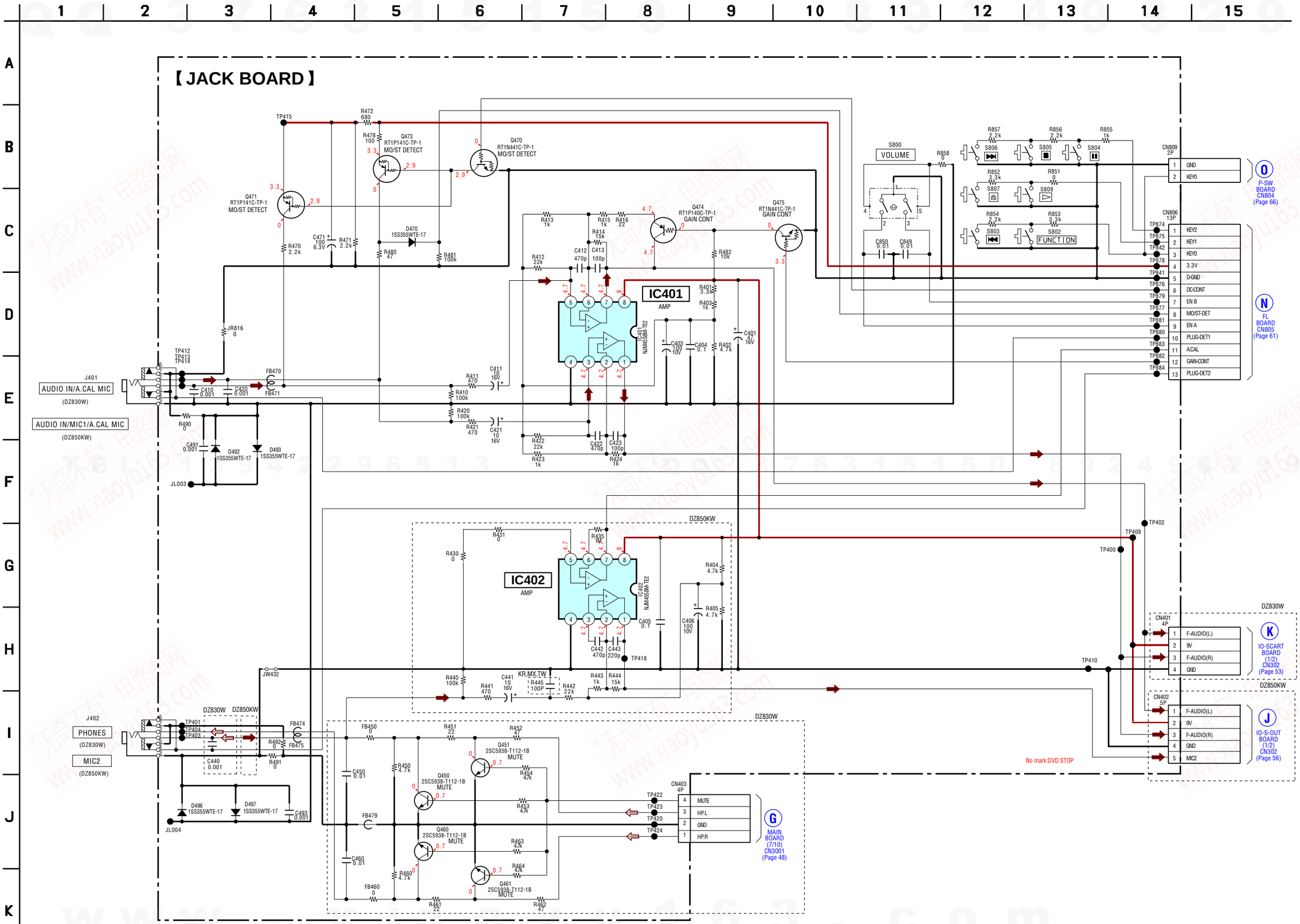
6-27. SCHEMATIC DIAGRAM – JACK BOARD –

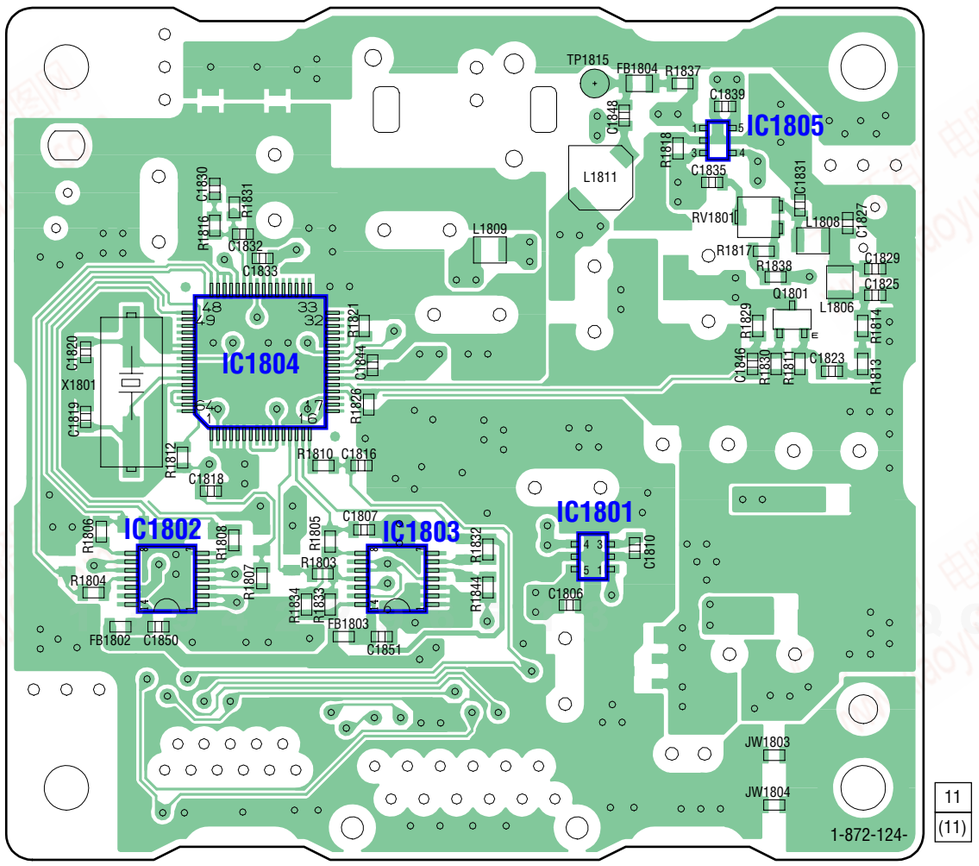


6-28. PRINTED WIRING BOARD – DIAT-TX BOARD –

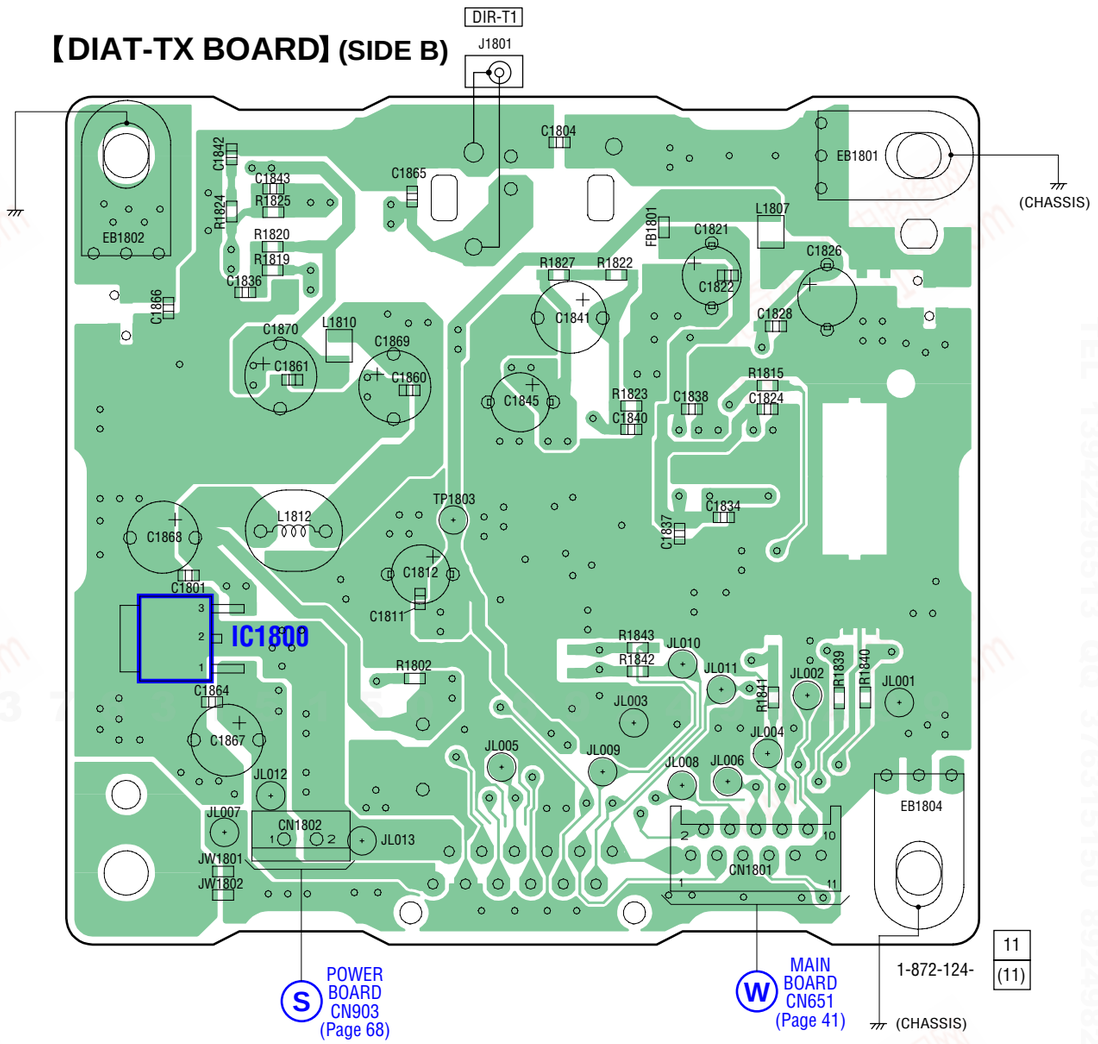
• See page 35 for Circuit Boards Location.

:Uses unleaded solder.

【DIAT-TX BOARD】(SIDE A)



【DIAT-TX BOARD】(SIDE B)

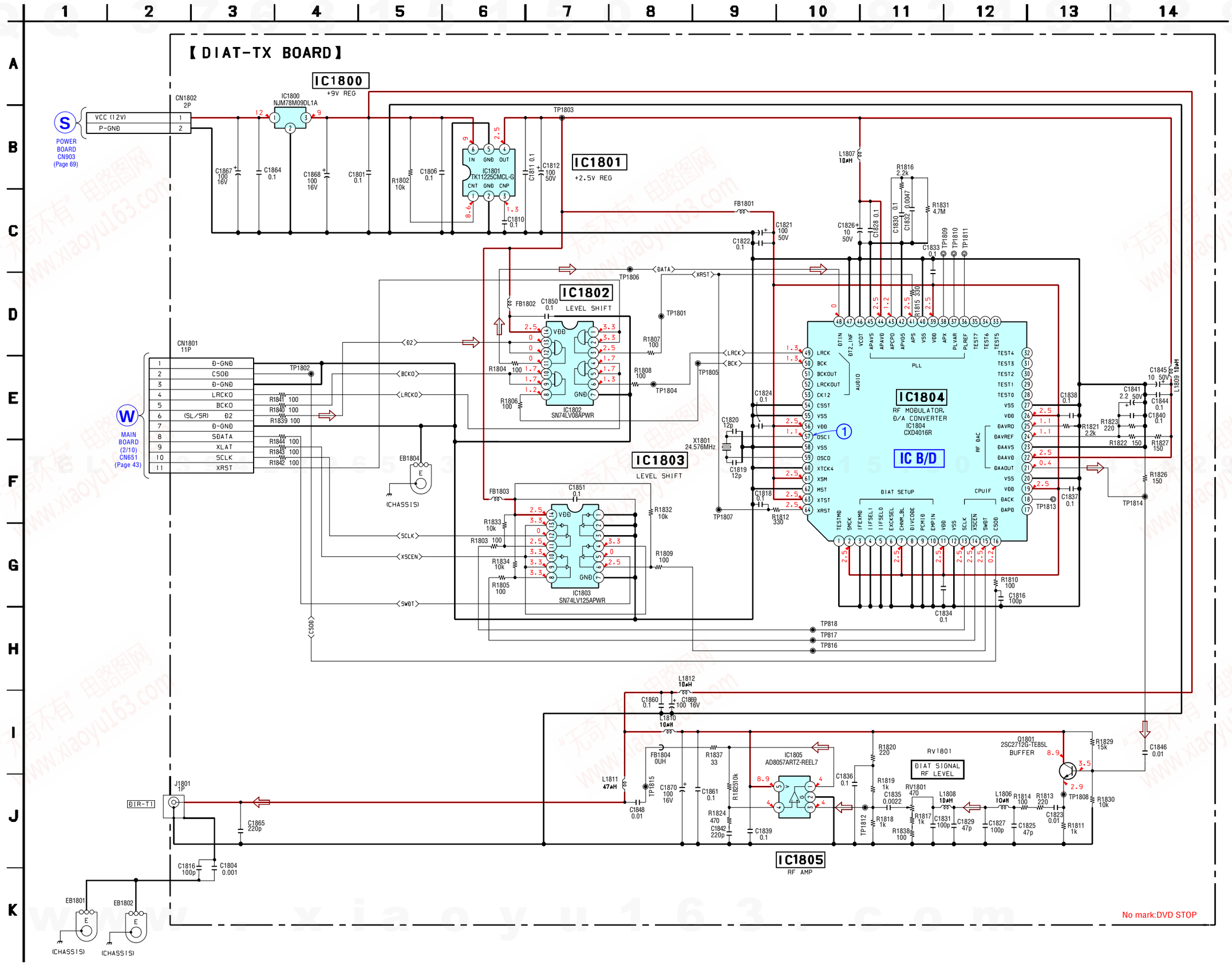


- **Semiconductor Location**

Ref. No.	Location
IC1800	E-9
IC1801	E-5
IC1802	E-2
IC1803	E-4
IC1804	D-3
IC1805	B-6
Q1801	C-6

6-29. SCHEMATIC DIAGRAM – DIAT-TX BOARD –

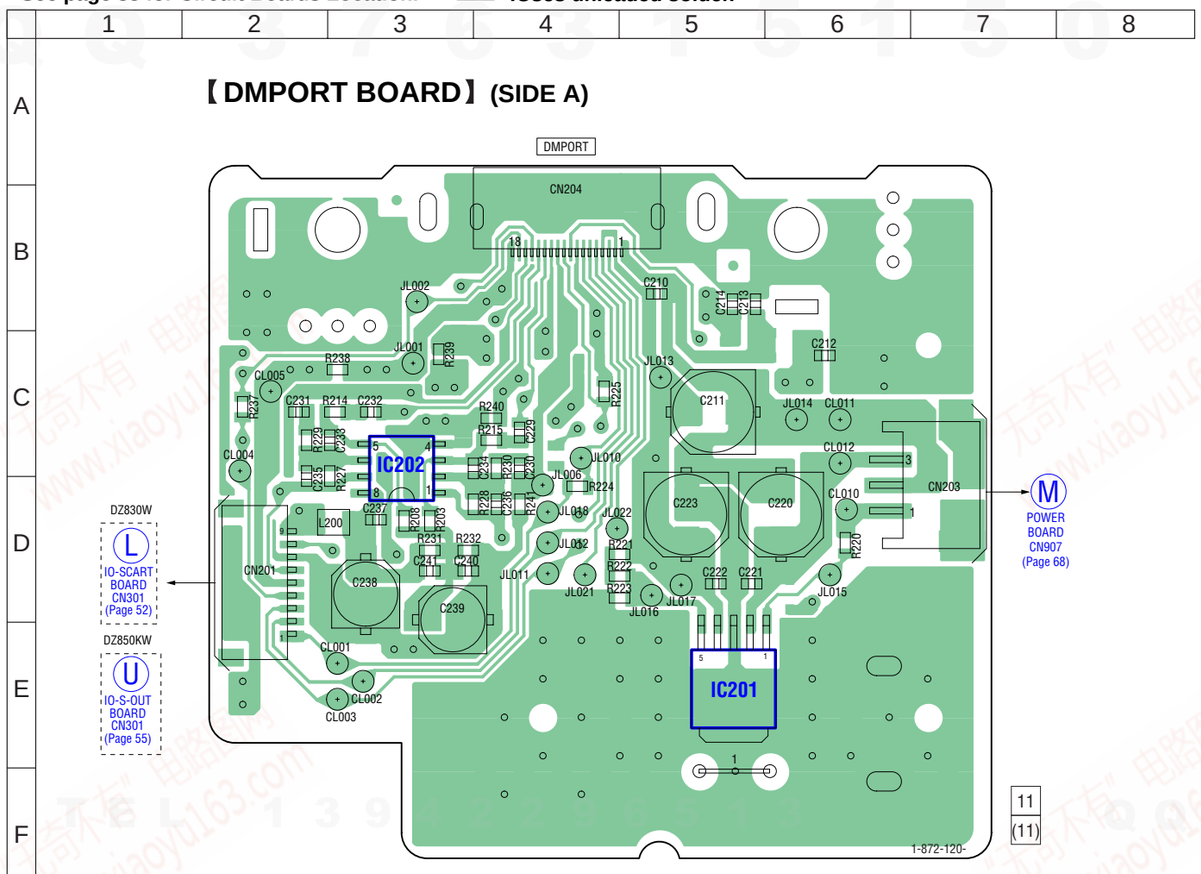
• See page 35 for Waveform. • See page 76 for IC Block Diagram.



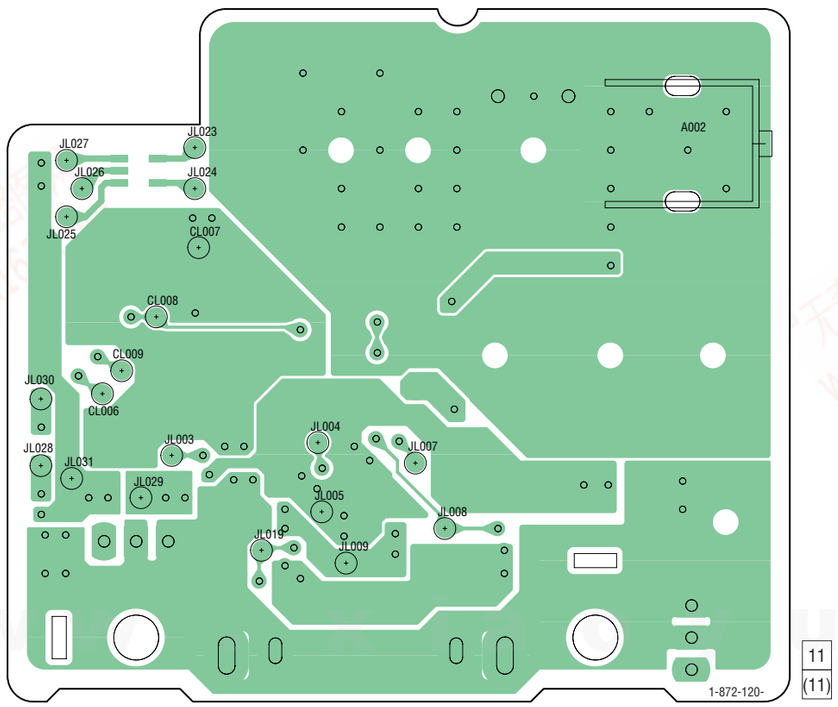
6-30. PRINTED WIRING BOARD – DMPORT BOARD (EXCEPT E32, MX) –

• See page 35 for Circuit Boards Location. :Uses unleaded solder.

【DMPORT BOARD】(SIDE A)

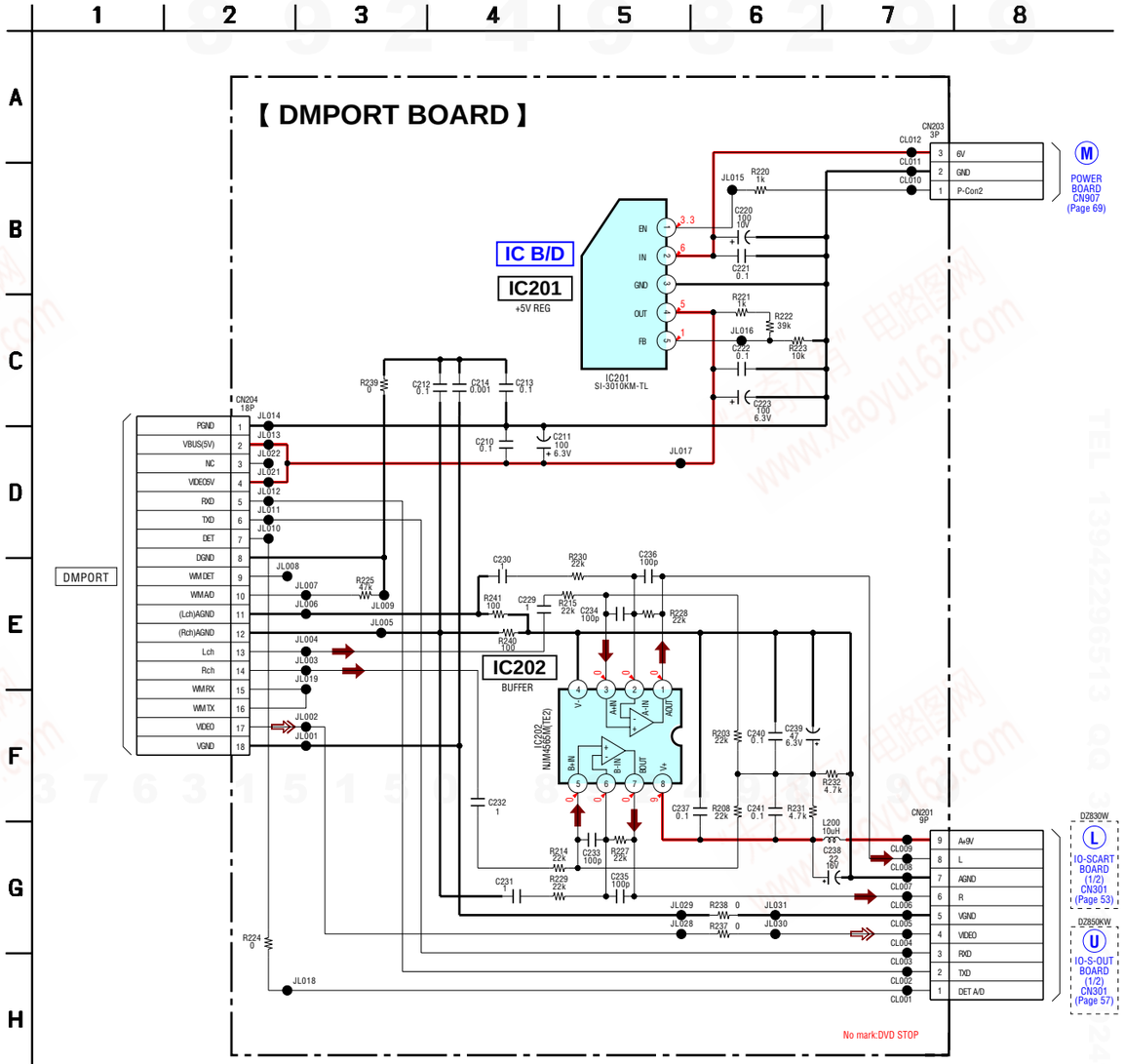


【DMPORT BOARD】(SIDE B)



6-31. SCHEMATIC DIAGRAM – DMPORT BOARD (EXCEPT E32, MX) –

• See page 72 for IC Block Diagram.

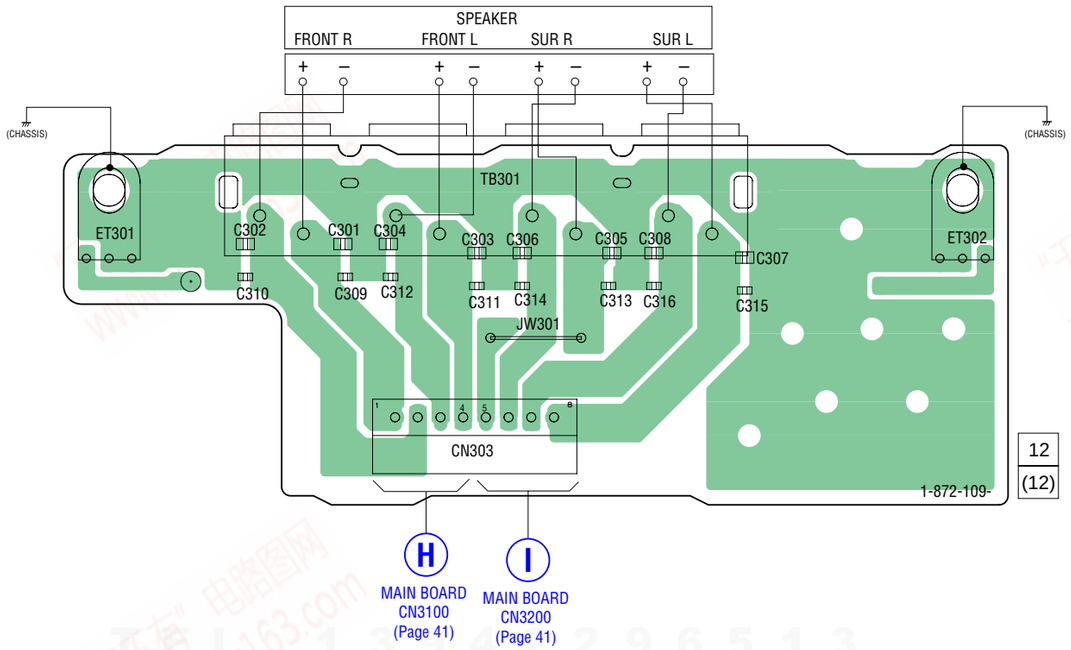


6-32. PRINTED WIRING BOARDS – SPEAKER, P-SW BOARD –

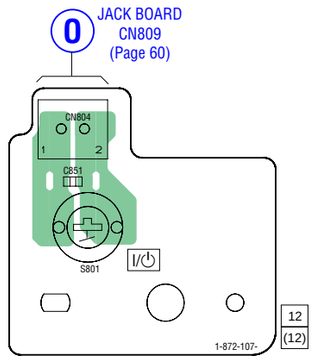
• See page 35 for Circuit Boards Location.

:Uses unleaded solder.

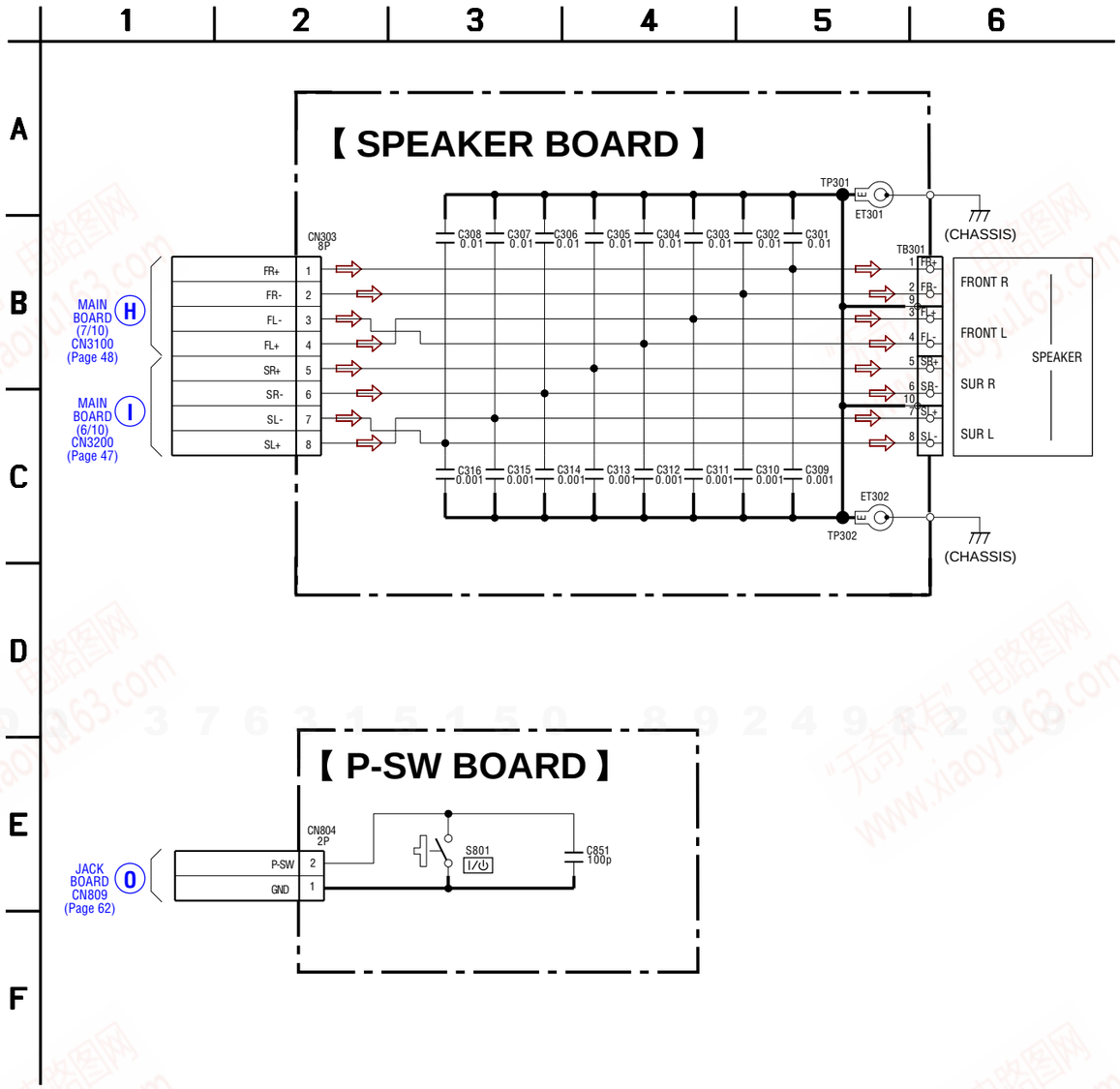
【SPEAKER BOARD】



【P-SW BOARD】



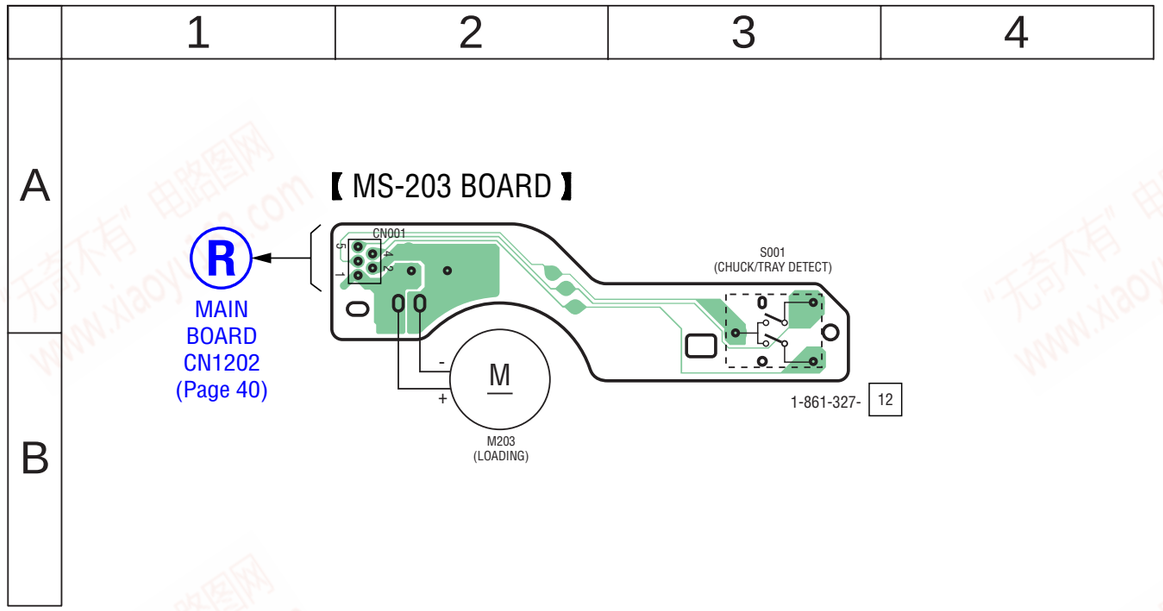
6-33. SCHEMATIC DIAGRAM – SPEAKER, P-SW BOARD –



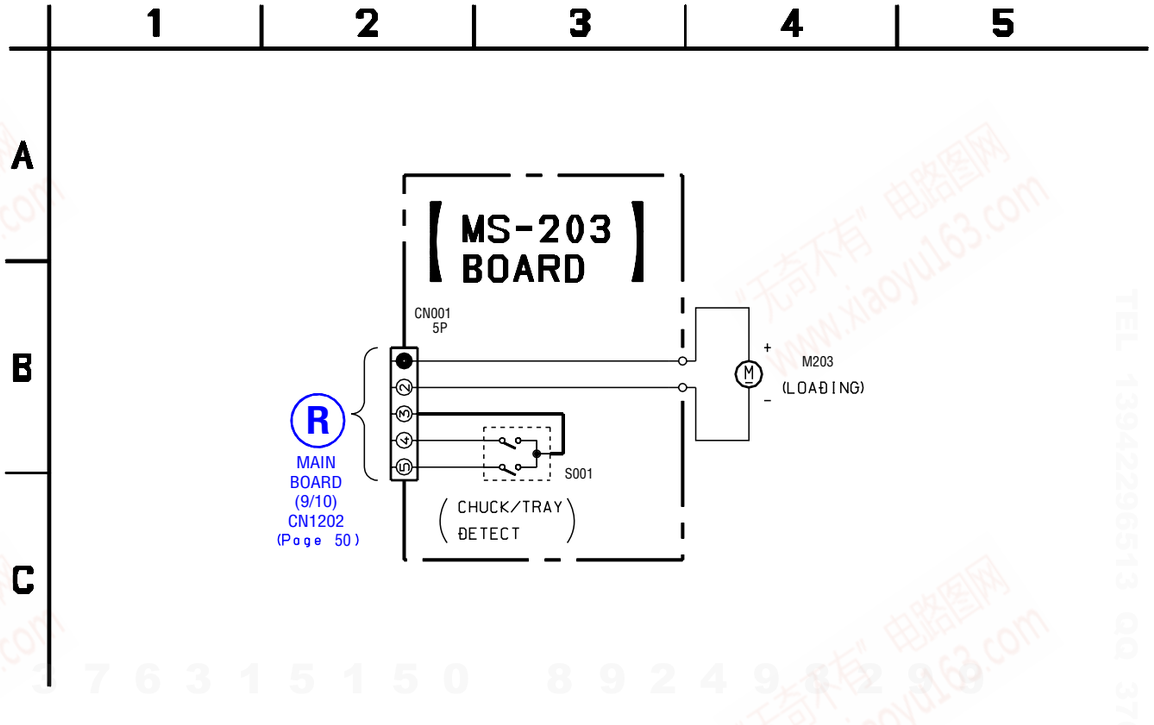
6-34. PRINTED WIRING BOARD – MS-203 BOARD –

• See page 35 for Circuit Boards Location.

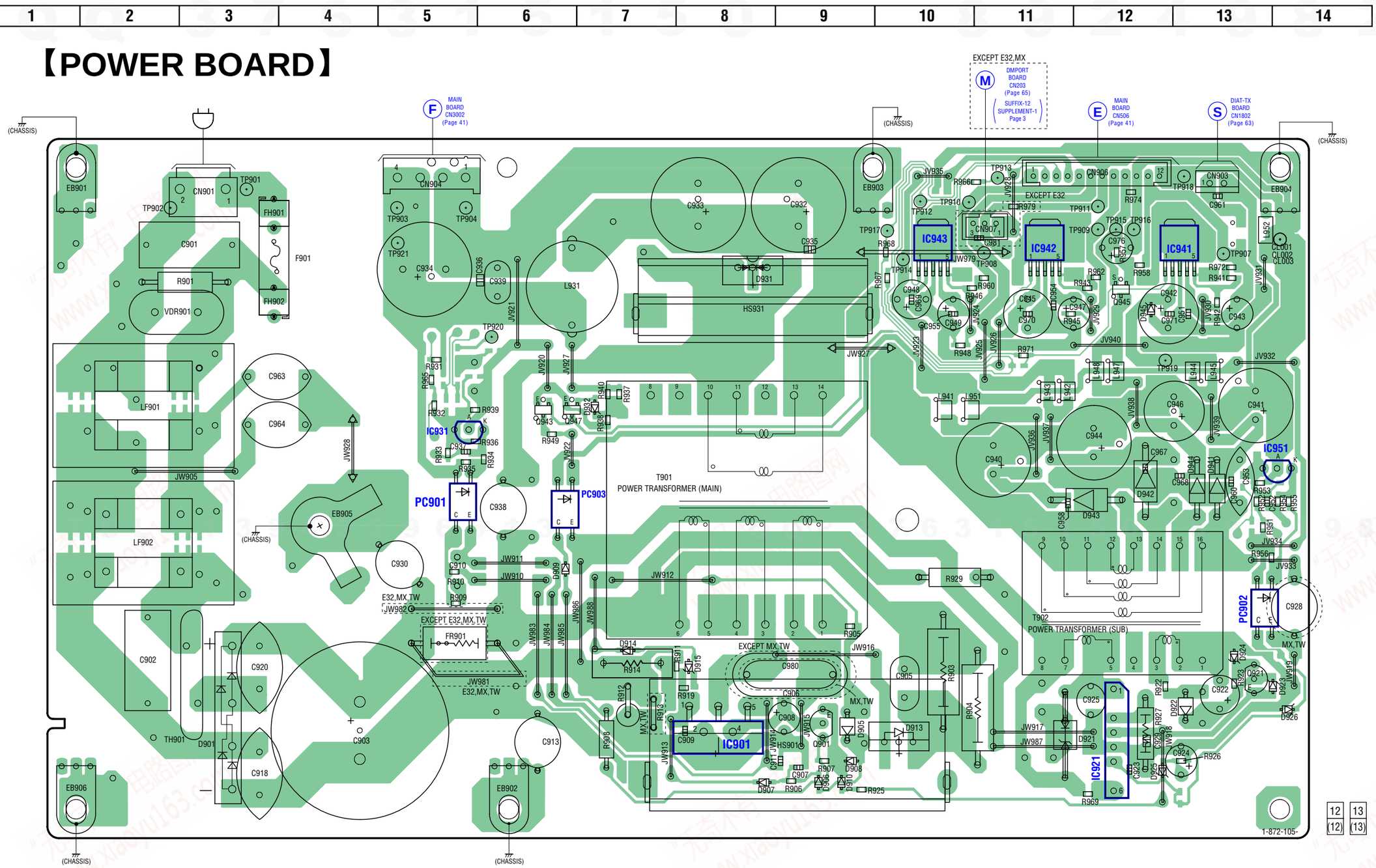
: Uses unleaded solder.



6-35. SCHEMATIC DIAGRAM – MS-203 BOARD –



【POWER BOARD】

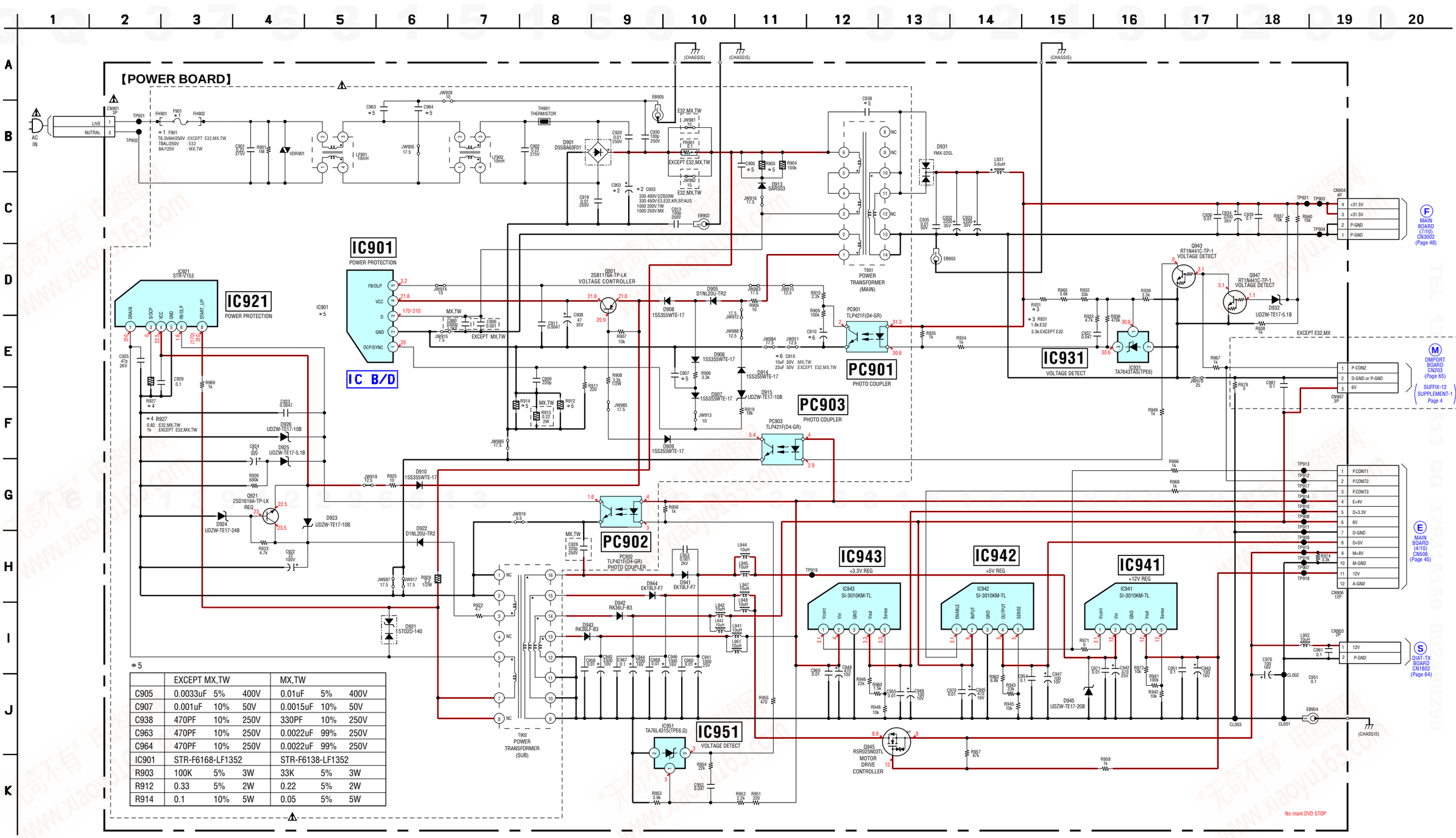


- **Semiconductor Location**

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

6-37. SCHEMATIC DIAGRAM – POWER BOARD –

• See page 76 for IC Block Diagram.



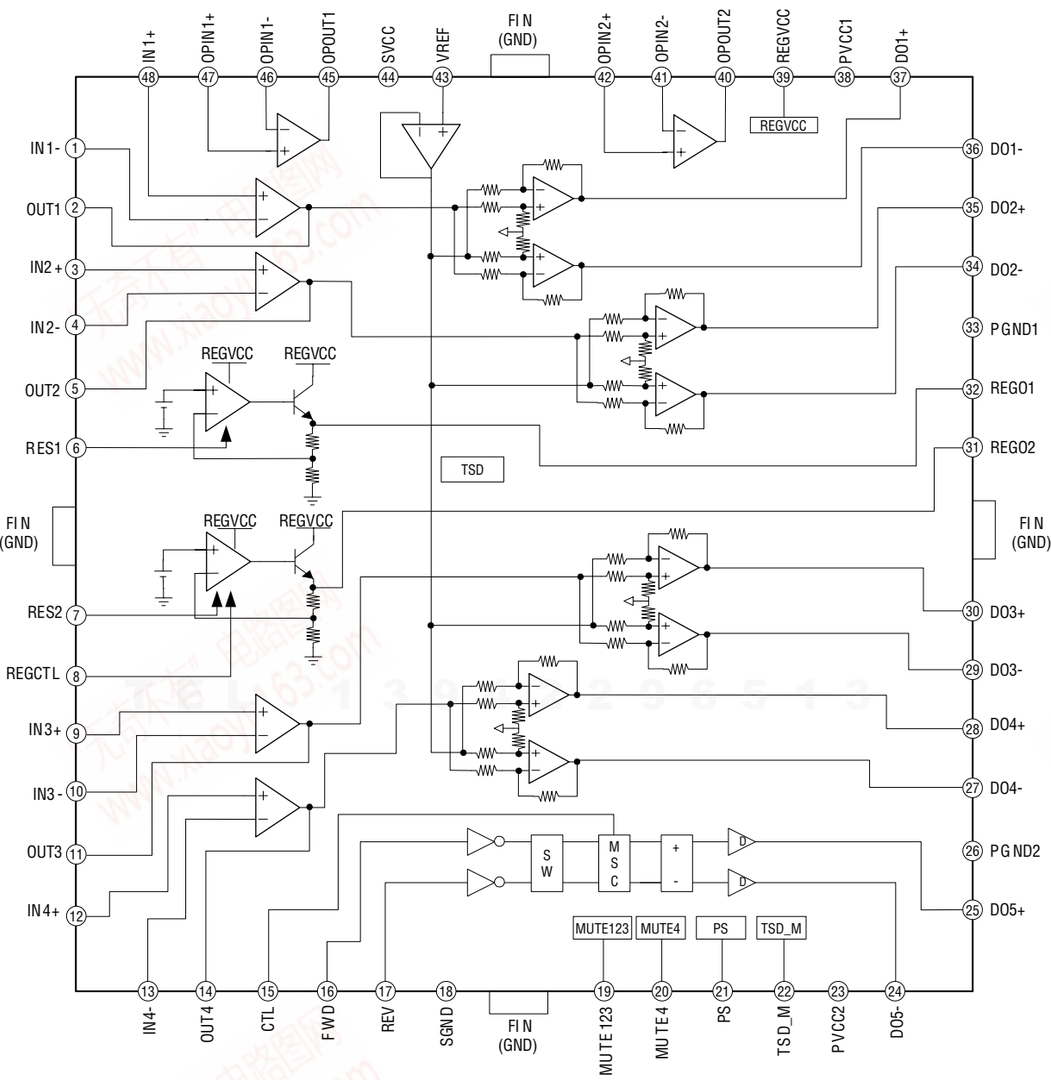
*5

	EXCEPT MX,TW			MX,TW		
C905	0.0033uF	5%	400V	0.01uF	5%	400V
C907	0.001uF	10%	50V	0.0015uF	10%	50V
C938	470PF	10%	250V	330PF	10%	250V
C963	470PF	10%	250V	0.0022uF	99%	250V
C964	470PF	10%	250V	0.0022uF	99%	250V
IC901	STR-F6168-LF1352			STR-F6138-LF1352		
R903	100K	5%	3W	33K	5%	3W
R912	0.33	5%	2W	0.22	5%	2W
R914	0.1	10%	5W	0.05	5%	5W

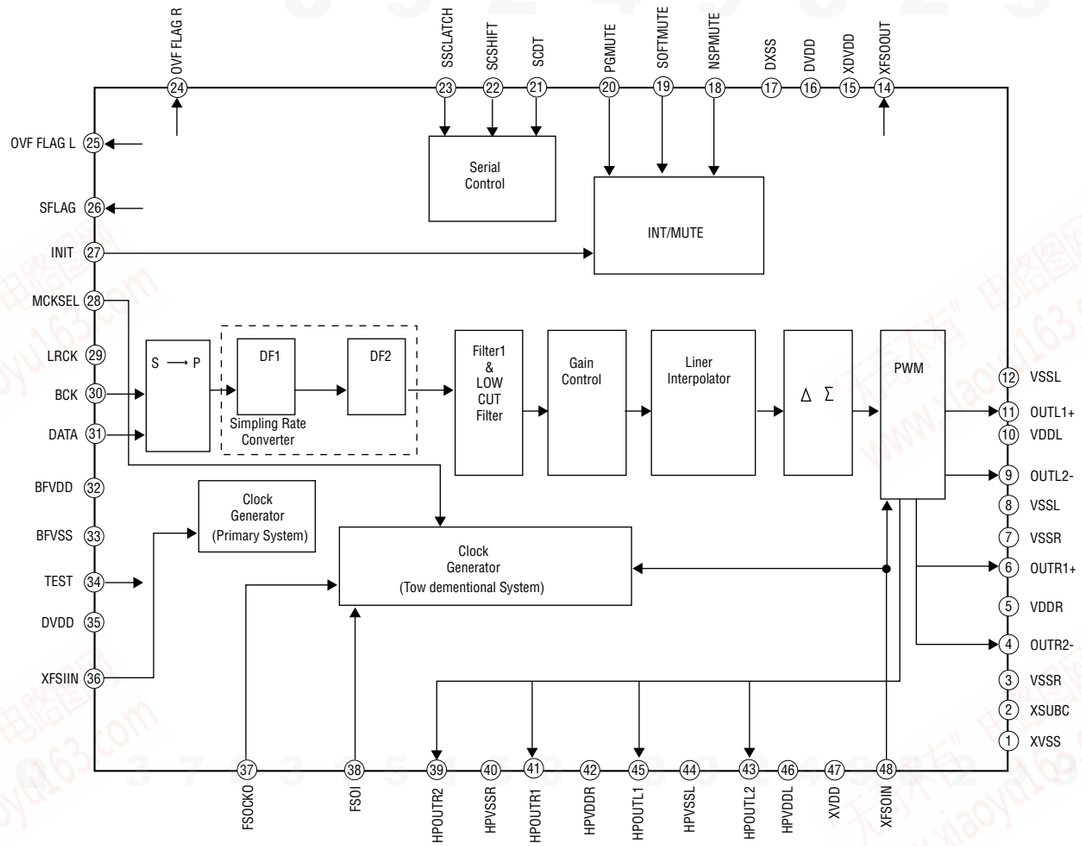
- **IC Block Diagrams**

– MAIN Board –

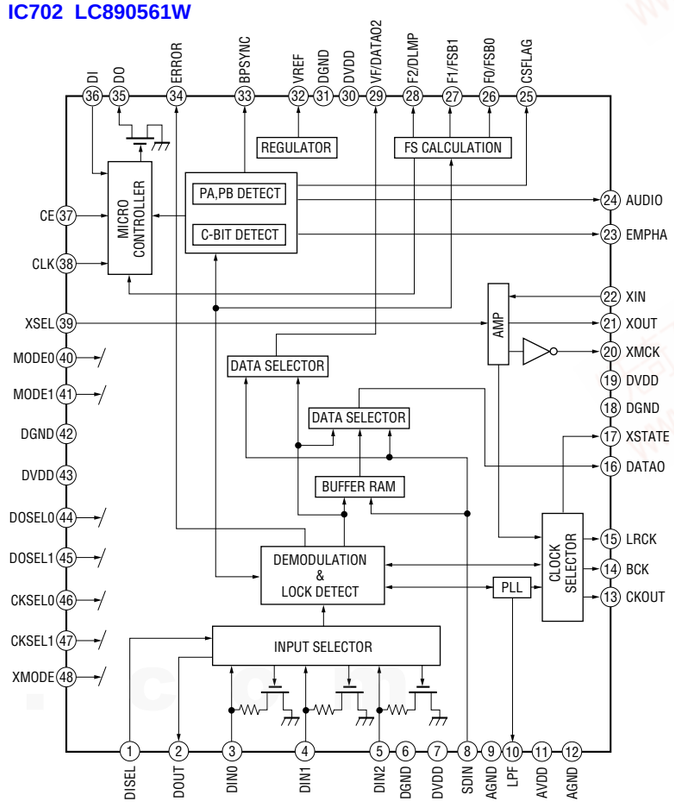
IC1201 FAN8036L



IC3010, IC3020, IC3030 CXD9843AR

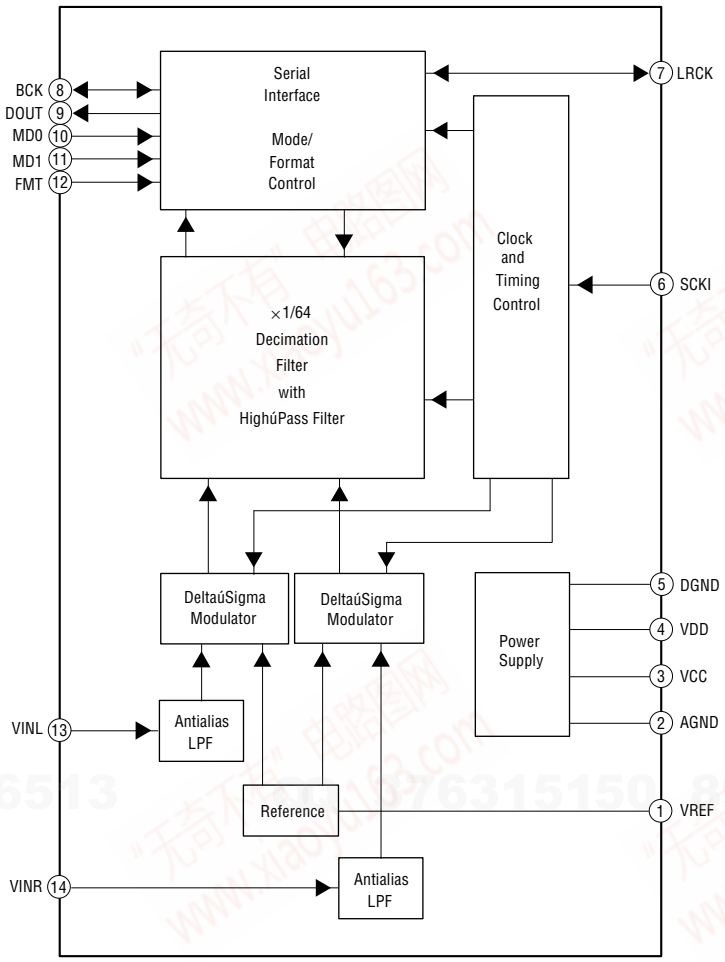


IC702 LC890561W

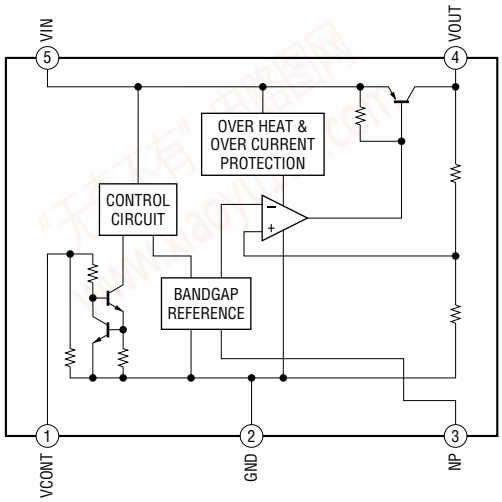


– MAIN Board –

IC772 PCM1808PWR

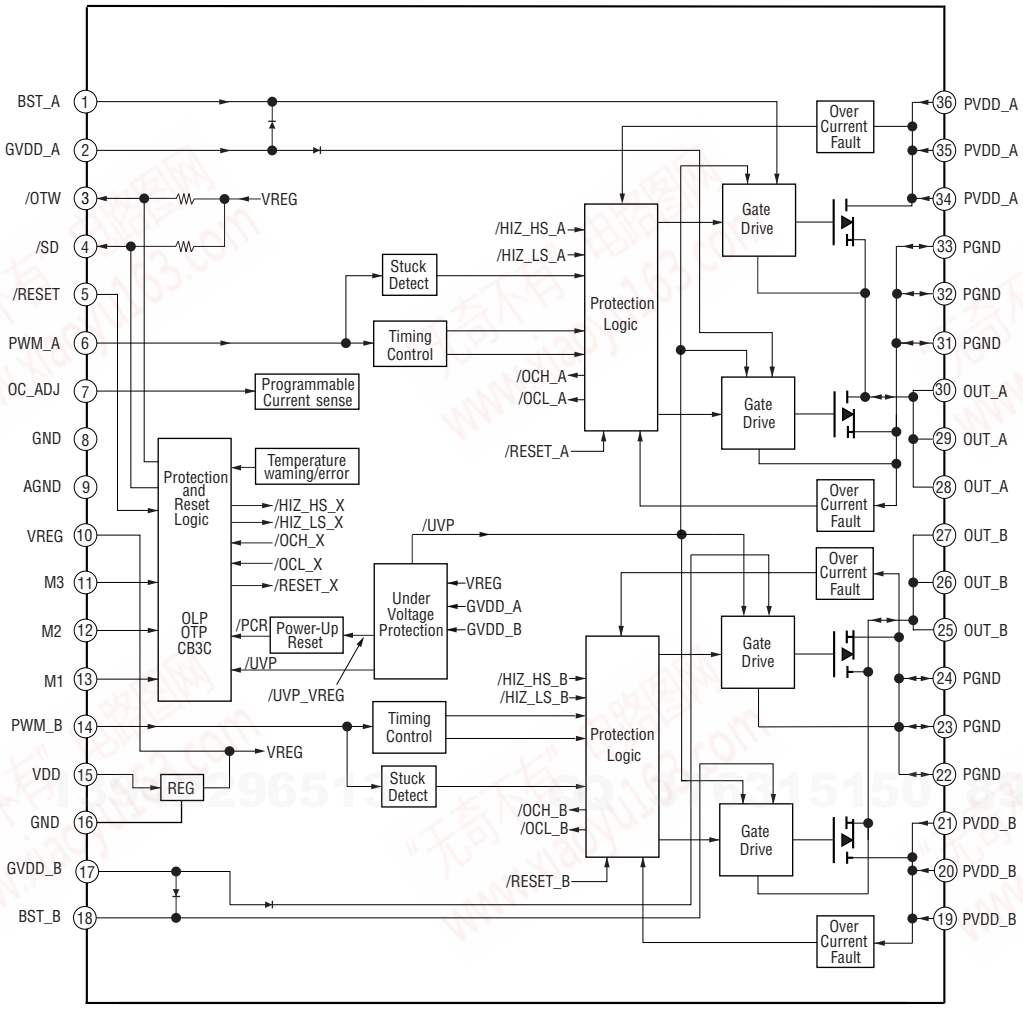


IC3050 TK1118CSCL-G



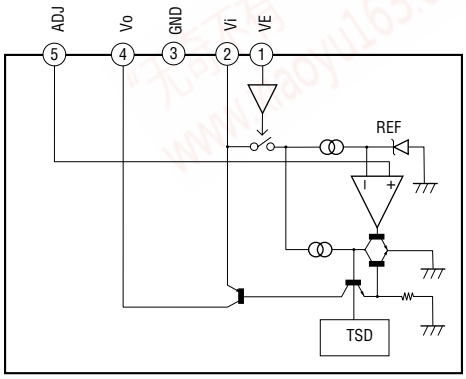
– MAIN Board –

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



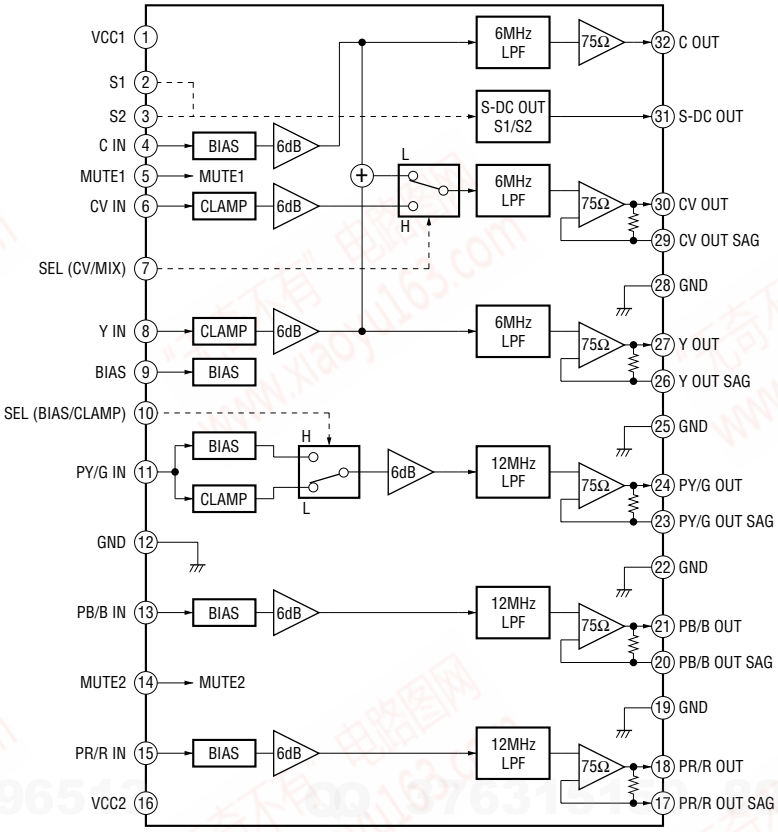
– DMPORT Board (Except E32, MX) –

IC201 SI-3010KM-TL

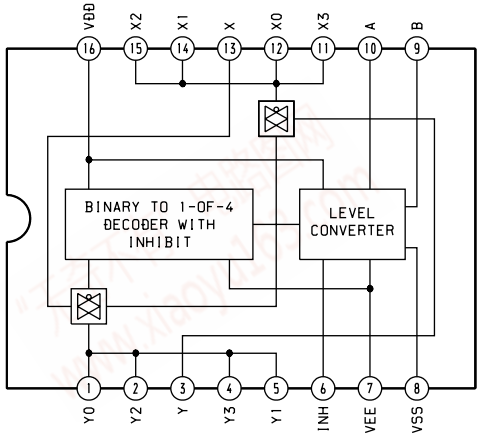


– IO-SCART Board –

IC201, IC230 BH7868FS-E2

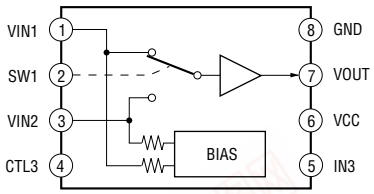


IC303, IC304 MC14052BDR2

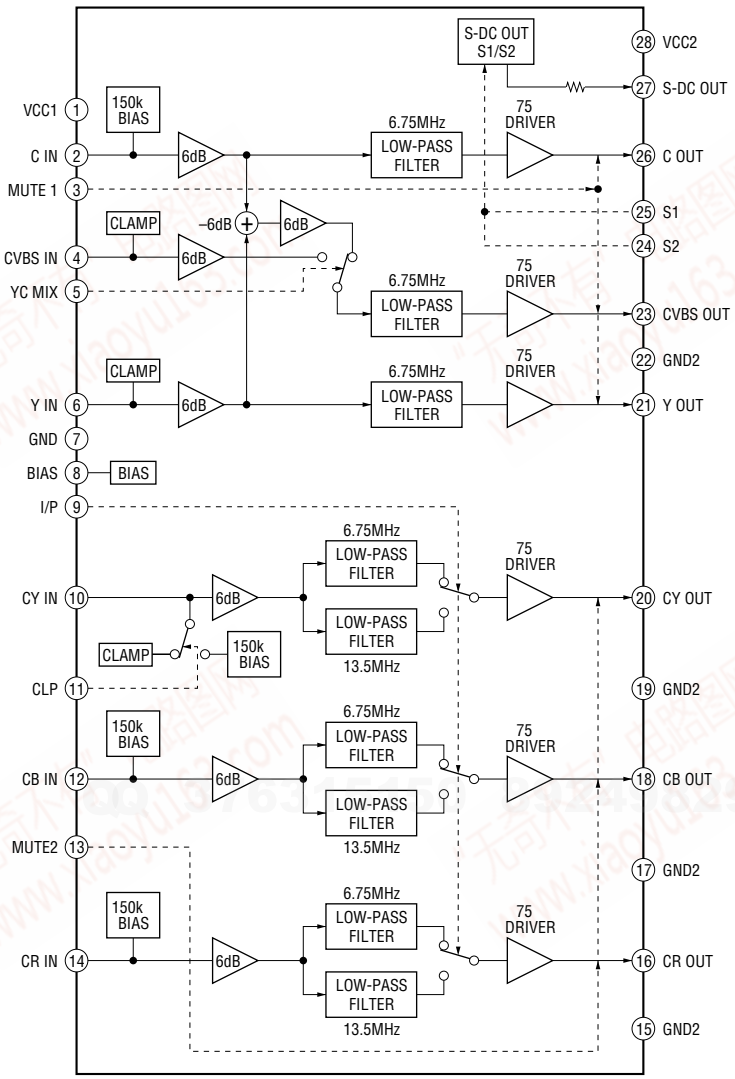


– IO-S-OUT Board –

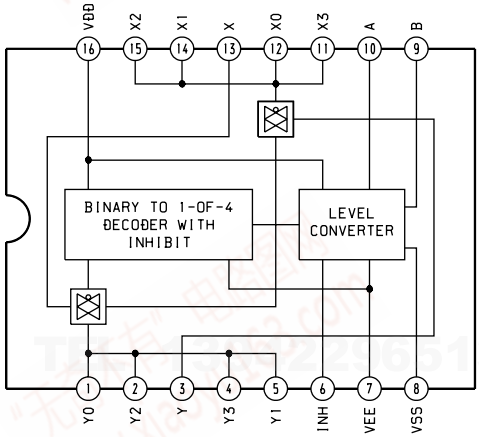
IC309 MM1228XFBE



IC308 MM1758AFBE

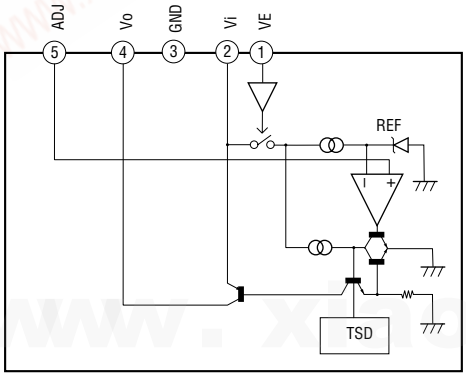


IC303, IC304 MC14052BDR2

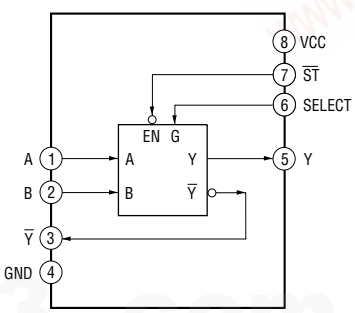


– DSP Board –

IC1, IC703 SI-3010KM-TL

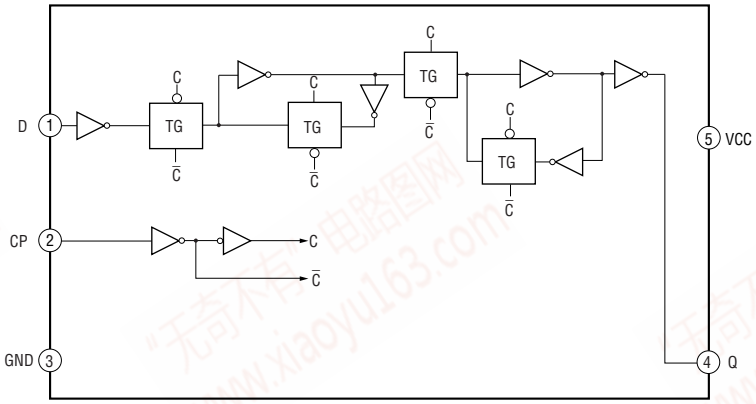


IC785 TC7WH157FK (TE85R)



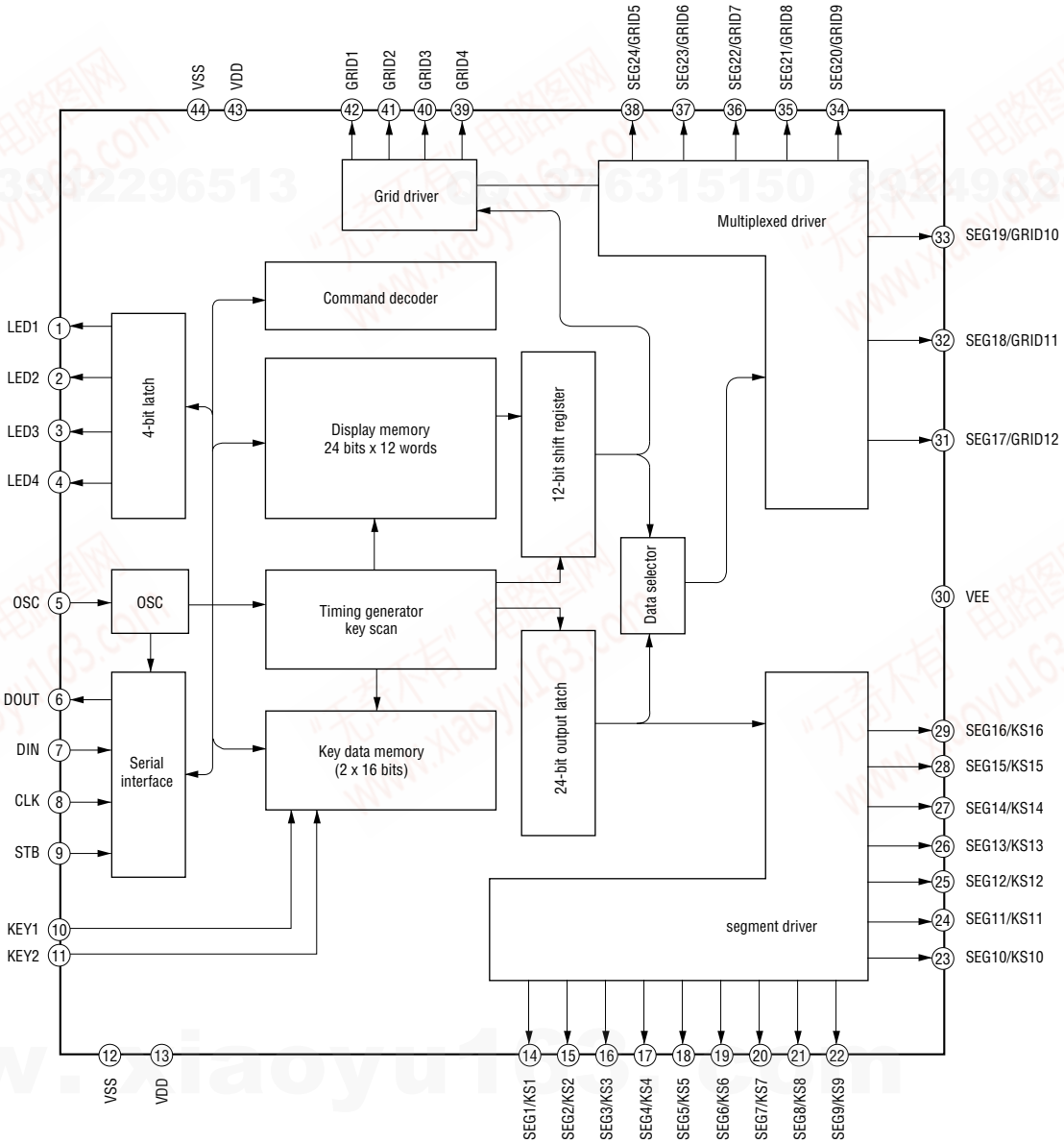
– DSP Board –

IC782 74LVC1G79GW-125



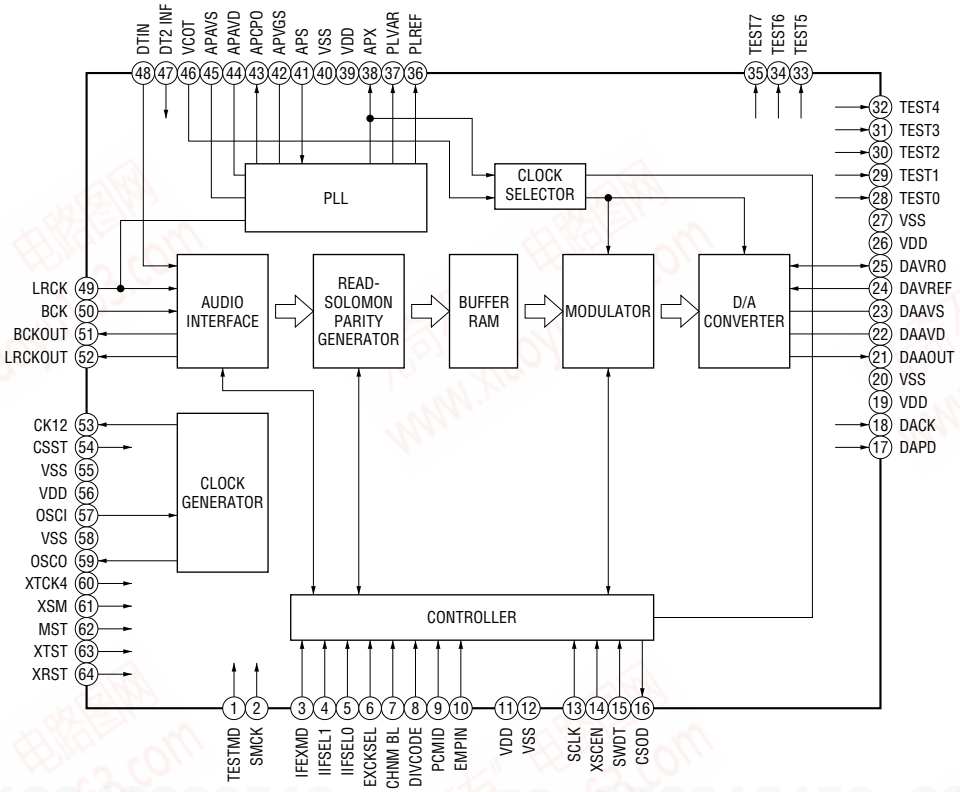
– FL Board –

IC802 uPD16315GB-3BS/PT6315



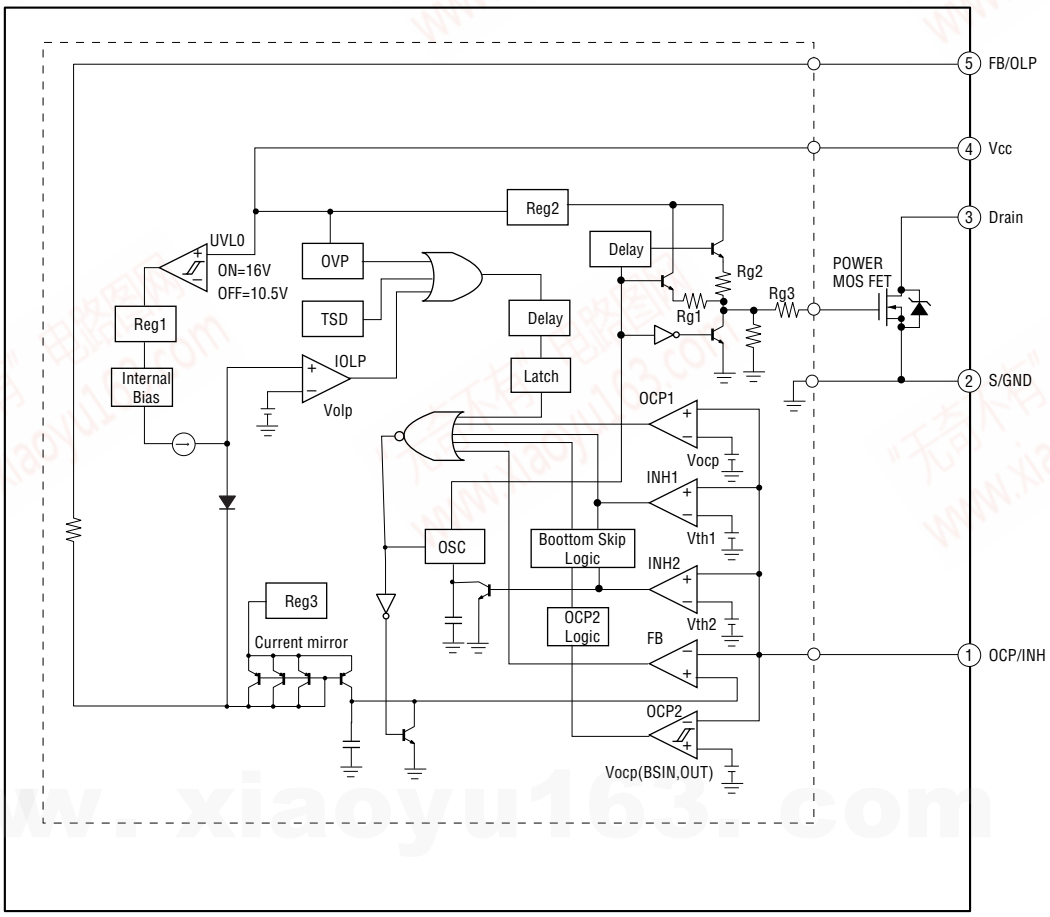
– DIAT-TX Board –

IC1804 CXD4016R



– POWER Board –

IC901 STR-F6138-LF1352



• IC Pin Function Description

MAIN BOARD IC1101 CXD9889R

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

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

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

Pin No.	Pin Name	I/O	Description
133	RWE	O	Write enable output to SDRAM (IC1104)
134	CAS	O	Column address strobe output to SDRAM (IC1104)
135	RAS	O	Row address strobe output to SDRAM (IC1104)
136	RCS	O	Chip select output to SDRAM (IC1104)
137, 138	BA0, 1	O	Bank address 0, 1 output to SDRAM (IC1104)
139 to 141	RA10, 0, 1	O	Address bus 10, 0, 1 output to SDRAM (IC1104)
142	DVDD18	—	Power supply (+1.8V from IC1110)
143, 144	RA2, 3	O	Address bus 2, 3 output to SDRAM (IC1104)
145	DVDD3	—	Power supply (SW+3.3V)
146	DRCLK	O	Clock output to SDRAM (IC1104)
147	CKE	O	Clock enable output to SDRAM (IC1104)
148	DVSS	—	Ground terminal
149 to 155	RA11, 9 to 4	O	Address bus 11,9 to 4 output to SDRAM (IC1104)
156	DVDD3	—	Power supply (SW+3.3V)
157 to 159	SMPTE_Y[7] to [5]	O	Video data output bit7 to 5
160	DVDD18	—	Power supply (+1.8V from IC1110)
161 to 165	SMPTE_Y[4] to [0]	O	Video data output bit4 to 0
166	VCLK	O	27MHz synchronous clock output for Video data
167	MIC	I	Karaoke microphone detect signal (H:MIC exist / L:MIC removed: DZ850KW)
168	TSD_M	I	TSD signal input
169	MUTE	O	Mute output for Spindle motor
170	DVDD3	—	Power supply (SW+3.3V)
171	MUTE123	O	Mute output for Focus/Tracking/Sleding
172, 173	REV, FWD	O	Direction control signal output for Loading motor
174	DVDD18	—	Power supply (+1.8V from IC1110)
175	RGB_SEL	O	RGB/YCbCr select output signal (H:RGB disable / L:RGB enable) (DZ830W)
176	Fixed_low	O	Not used (Open)
177	WIDE	O	WIDE select output for Multi connector (H:16:9 / L:4:3)
178	DVSS	—	Ground terminal
179	VBUS_OE	O	Not used (Open)
180	xMAMUTE	O	Not used (Open)
181	VBUS_OC	I	Fixed to “H” (SW+3.3V)
182	R/Cr/Pr	O	CR/PR signal output
183	B/Cb/Pb	O	CB/PB signal output
184	DACVSSA	—	Ground terminal
185	Y/G	O	Y signal output
186	DACVDDA	—	Power supply (+3.3V from IC1105)
187	CVBS	O	Composite video signal output
188	DACVSSB	—	Ground terminal
189	C	O	Chroma signal output for S-Video
190	DACVDDB	—	Power supply (+3.3V from IC1105)
191	Y	O	Y signal output for S-Video
192	DACVSSC	—	Ground terminal
193	CIN	O	Not used (Open)
194	FS	I	Full Scale Adjustment
195	VREF	I	Bandgap Ref Voltage
196	DACVDDC	—	Power supply (+3.3V from IC1105)
197	ASDATA0	O	Audio serial data 4: Down-mixed L/R
198	TRG_SW	I	Not used (Fixed to “H” (SW+3.3V))

Pin No.	Pin Name	I/O	Description
199	SCORE	I	Calculation of SCORE (DZ850KW) / Not used (DZ830W)
200	XVOICE	I	Detection of MIC signal (H:Voice exist / L:Voice is absence:DZ850KW / Not used (DZ830W)
201	Fixed_Low	—	Not used (Open)
202	ASDATA1	O	Not used (Open)
203	ASDATA2	O	Not used (Open)
204	Fixed_Low	—	Not used (Open)
205	Fixed_Low	—	Not used (Open)
206	Fixed_Low	—	Not used (Open)
207	Fixed_Low	—	Not used (Open)
208	DVDD3	—	Power supply (SW+3.3V)
209	ALRCK	O	Audio left/right channel clock output
210	ABCK	O	Audio bit clock output
211	ACLK	O	Master clock output for Audio DAC
212	ADIN	I	Ex. Analog Audio data input
213	DVDD18	—	Power supply (+1.8V from IC1110)
214	ASDATA4	O	Not used (Open)
215	MC_DATA	I	Mic signal Input (not used (Fixed to Ground))
216	SPDIF	O	SPDIF output
217	APLLVDD3	—	Power supply (+3.3V from IC1105)
218	APLLCAP	I	APLL External Capacitance connection
219	APLLVSS	—	Ground terminal
220	ADACVSS2	—	Ground terminal
221	ADACVSS1	—	Ground terminal
222	KMOD	O	Karaoke mode status output (H:Karaoke / L:Normal: DZ850KW) / Not used (DZ830W)
223	PWON	O	Power down control signal to HDMI controller (not used (Fixed to “H” (SW+3.3V))
224	Rch	O	Audio DAC Right channel output (DZ850KW) / Not used (DZ830W)
225	AVCM	—	Audio DAC Reference Voltage
226	Lch	O	Audio DAC Left channel output (DZ850KW) / Not used (DZ830W)
227	DSEL	O	Not used (Open)
228	xRST	O	Not used (Open)
229	ADACVDD1	—	Power supply (+3.3V from IC1105)
230	ADACVDD2	—	Power supply (+3.3V from IC1105)
231	RFGND18	—	Ground terminal
232	RFVDD18	—	Power supply (+1.8V from IC1110)
233	XTALO	O	Not used (Open)
234	XTALI	I	27MHz crystal input
235	JITFO	O	The output terminal of RF jitter meter
236	JITFN	I	The input terminal of RF jitter meter
237	PLLVSS	—	Ground terminal
238	IDACEXLP	I	RF Data PLL DAC LPF
239	PLLVDD3	—	Power supply (RF+3.3V)
240	LPFON	O	The negative output of loop filter amplifier
241	LPFIP	I	The positive input terminal of loop filter amplifier
242	LPFIN	I	The negative input terminal of loop filter amplifier
243	LPFOP	O	The positive output of loop filter amplifier
244	ADCVDD3	—	Power supply (RF+3.3V)
245	ADCVSS	—	Ground terminal
246	RFVDD3	—	Power supply (RF+3.3V)
247	RFRPDC	O	RF ripple detect output

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

MAIN BOARD IC501 M30626MHP-A68FPU0 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	DAMP_SCD/ DIAT_SDATA/DIR_DIN	O	DAMP processor data output, DIAT serial data output, DIR data output
2	DAMP_SHIFT/ DIAT_SCLK/DIR_CLK	O	DAMP processor clock output, DIAT serial clock output, DIR clock output
3	CEC_RX_IN	I	CEC Data input
4	SIRCS_IN	I	Sircs input
5	DSP_MOSI	O	DSP data output
6	DSP_MISO	I	DSP data input
7	DSP_SPICLK	O	DSP clock output
8	BYTE	I	External data bus (Ground terminal)
9	CNVSS	I	Change processor mode (Fixed to “L”)
10, 11	EN_A, EN_B	I	Volume control for ENCODER
12	RESET	I	System reset signal input
13	XOUT	O	Crystal output for main clock (5MHz)
14	VSS	—	Ground terminal
15	XIN	I	Crystal input for main clock (5MHz)
16	VCC	—	Power supply (BUP+3.3V)
17	NMI	I	Not used (Fixed to “H” (BUP+3.3V))
18	DIR_ZERO	I	DIR ZERO data detect input
19	DIR_CSFLAG	I	DIR CSFLAG input
20	AC_CUT	I	AC-CUT detect input
21	FL_CLK/LED_CLK	O	FL and LED driver clock output
22	CEC_TX_OUT	O	CEC data output
23	DIAT_CSOD	I	DIAT CSOD signal input
24	FL_D_OUT/LED_DATA	O	FL and LED driver data output
25	NO USE	—	Not used (Open)
26	MIC_GAIN	O	MIC gain control
27	CDM_OPEN_SW	I	CDM open switch input
28	DC_CONT	O	A.CAL MIC DC control output
29	CLINK_RX_IN	I	C-Link data input (Except E32, MX) / Not used (E32, MX)
30	CLINK_TX_OUT	O	C-Link data output (Except E32, MX) / Not used (E32, MX)
31	DVD_SID	O	Media Tek data out / Flash write TXD1
32	DVD_SOD	I	Media Tek data in / Flash write RXD1
33	DVD_SCO	I	Media Tek clock in / Flash write CLK1
34	DVD_XIFBUSY	O	Media Tek busy request / Flash write RTS1
35	MIC_DET_OUT	O	MIC detect status out to Media Tek (DZ850KW) / Not used (DZ830W)
36	KARAOKE_MODE	I	KARAOKE mode information from Media Tek (DZ850KW) / Not used (DZ830W)
37	DVD XIFCS	I	Media Tek chip select
38	MTK RST	O	Media Tek reset
39	P_CONT1	O	Control for power supply 1
40	P_CONT2	O	Control for power supply 2
41	P_CONT3	O	Control for power supply 3
42	DRIVE_RST(EN)	O	DAMP driver reset
43	DRIVE_OCP(DIAG)	I	DAMP driver shut down
44	OVERFLOW1	I	DAMP processor F/C/S over flow detect
45	OVERFLOW2	I	DAMP processor SW over flow detect
46	CE	I	Not used (Fixed to “H” (E3.3V))
47	DAMP_LATCH1	O	DAMP processor latch1

Pin No.	Pin Name	I/O	Description
48	DAMP_LATCH2	O	DAMP processor latch2
49	DAMP_LATCH3	O	DAMP processor latch3
50	DAMP_INIT	O	DAMP processor reset
51	DAMP_SOFT_MUTE	O	DAMP processor soft muting
52	HP_SW	I	Headphone detect input (DZ830W)
	MIC2_SW	I	MIC2 insert switch (DZ850KW)
53	HP_MUTE	O	Headphone detect output (DZ830W) / Not used (DZ850KW)
54	DSP_SPIDS	O	DSP device select output
55	DSP_RESET	O	DSP reset output
56	FL_STB	O	FL driver chip select output
57	DC_DET	I	Speaker DC detect input
58	DIR_RST	O	DIR reset output
59	DIR_HCE	O	DIR chip enable output
60	DIR_ERROR	I	DIR error detect input
61	DIR_XSTATE	I	DIR clock change status input
62	VCC	—	Power supply (BUP+3.3V)
63	MIC/A.CAL_SW	I	MIC insert switch
64	VSS	—	Ground terminal
65	DIAT_XRST	O	DIAT reset output
66	DIAT_XSCEN	O	DIAT chip enable output
67	NO USE	O	Not used (Open)
68	TUNED	I	TUNER tuned input
69	ST_CLK	O	TUNER clock output
70	ST_DO	I	TUNER data input
71	ST_CE	O	TUNER chip enable
72	ST_DI	O	TUNER data output
73	DSP_INTR	I	DSP interrupt
74	KEY INT	I	Wakeup from ECO mode by key input
75	RDS_CLK	I	RDS clock in (DZ830W)
	MIC_CLK	O	MIC electric volume clock out (DZ850KW)
76	RDS_DATA	I	RDS data in (DZ830W)
	MIC_DAT	O	MIC electric volume data out (DZ850KW)
77	DIAT_DET	I	DIAT ready detect input
78	TVSEL	O	TV control signal output (DZ830W) / Not used (DZ850KW)
79	DSP_SF_CE	O	DSP serial flash chip enable
80	NO USE	O	Not used (Open)
81	ASEL3	O	Audio selector 3 (Except E32, MX) / Not used (E32, MX)
82	V_SEL0	O	Video selector 0
83	V_SEL1	O	Video selector 1
84	ASEL0	O	Audio selector 0
85	ASEL1	O	Audio selector 1
86	ASEL2	O	Audio selector 2
87	VSEL2	O	Video selector 2
88	VSEL3	O	Video selector 3 (DZ850KW) / Not used (DZ830W)
89	CLINK_DET	I	C-Link detect input (Except E32, MX) / Not used (E32, MX)
90	MONO/ST_DET	I	Front jack MONO or STEREO detect
91	DSP_MASTER	I	DSP serial operation mode signal input
92	DESTINATION	I	Destination select input
93	MODEL	I	Model select input

Pin No.	Pin Name	I/O	Description
94	KEY2	I	Key input 2 input
95	KEY1	I	Key input 1 input
96	AVSS	—	Ground terminal
97	KEY0	I	Key input 0 input
98	Vref	—	Reference voltage (BUP+3.3V)
99	AVCC	—	Power supply (BUP+3.3V)
100	DIR_HDOUT	I	DIR data input

MAIN BOARD IC1701 CXD9873Q (HDMI DRIVE)

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

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

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

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

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

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

SECTION 7
EXPLODED VIEWS

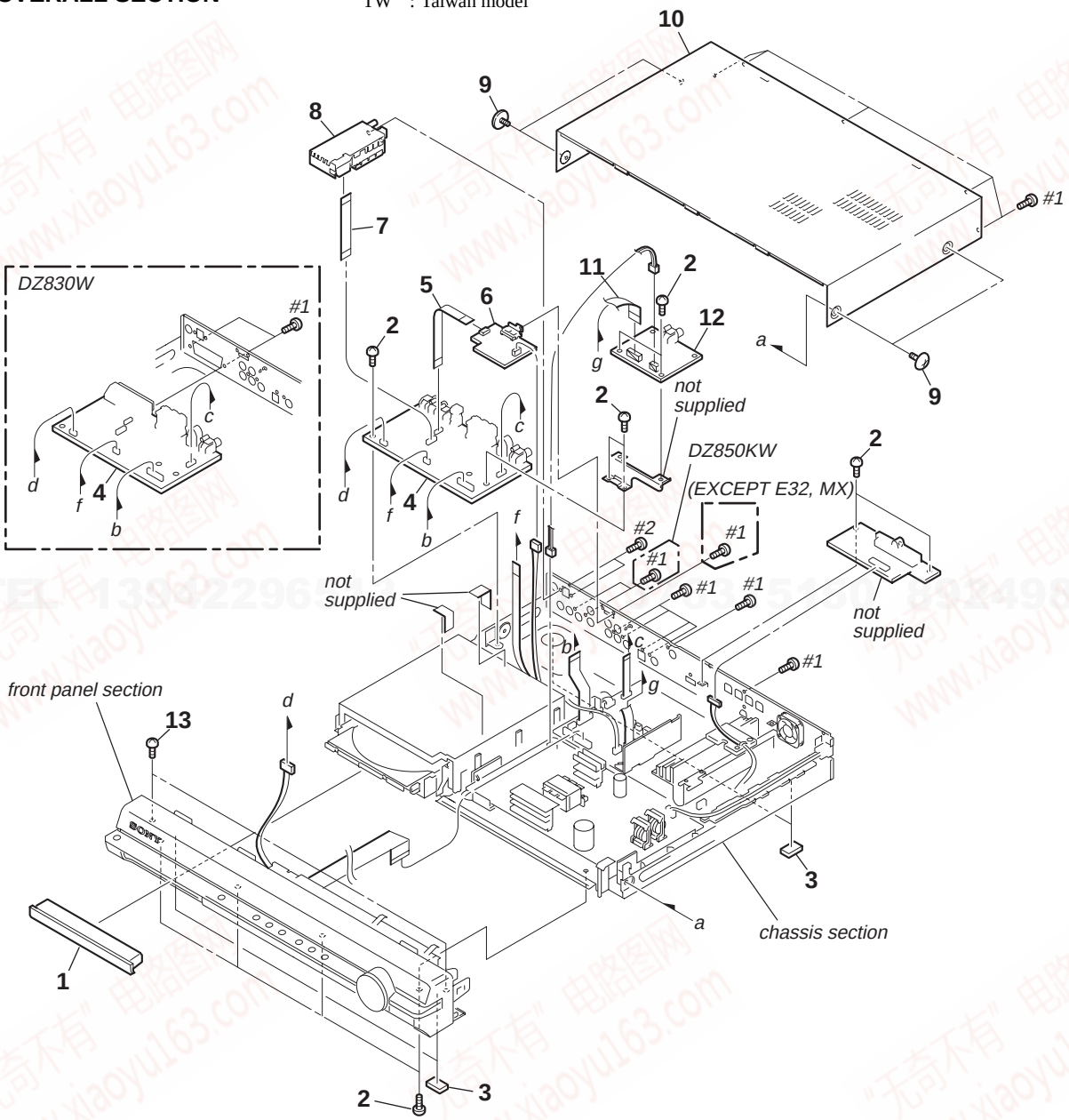
NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
  AUS : Australian model
  E3 : 220 – 240V AC area in E model
  E32 : 110 – 240V AC area in E model
  KR : Korean model
  MX : Mexican model
  SP : Singapore model
  TW : Taiwan model

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

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

7-1. OVERALL SECTION

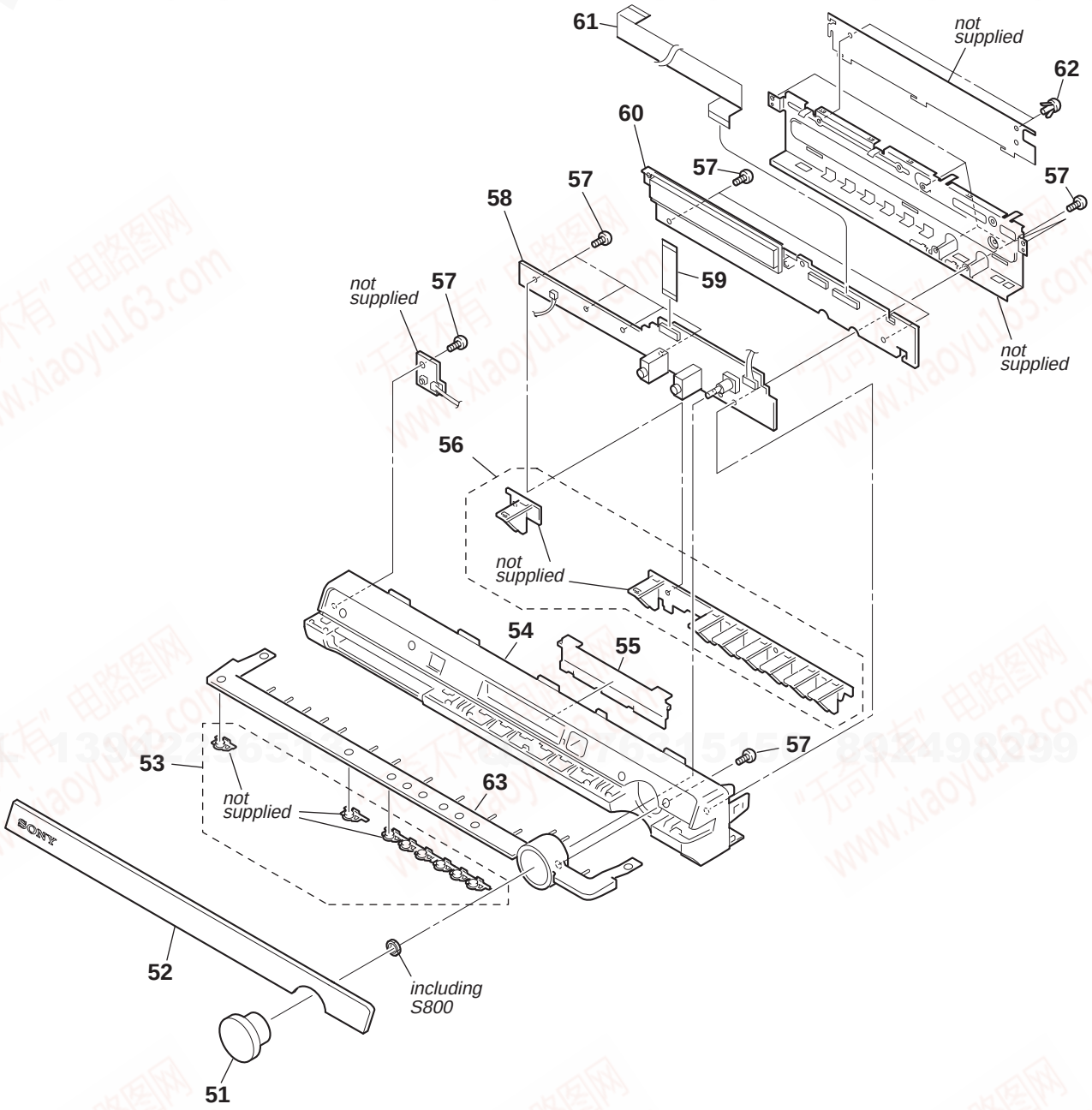


Ref. No.	Part No.	Description	Remark
1	2-889-987-11	PANEL, LODING	
2	3-077-331-21	+BV3 (3-CR)	
3	4-232-478-31	FOOT	
4	A-1231-230-A	IO-S-OUT BOARD, COMPLETE	(E3, KR, SP, TW, AUS)
4	A-1231-251-A	IO-SCART BOARD, COMPLETE (DZ830W)	
4	A-1231-265-A	IO-S-OUT BOARD, COMPLETE (E32, MX)	
5	1-828-307-11	WIRE (FLAT TYPE) (9 CORE) (EXCEPT E32, MX)	
6	A-1218-025-A	DMPORT BOARD, COMPLETE	(EXCEPT E32, MX)
7	1-828-952-11	WIRE (FLAT TYPE) (9CORE)(DZ850KW)	
7	1-828-962-11	WIRE (FLAT TYPE) (11CORE)(DZ830W)	

Ref. No.	Part No.	Description	Remark
8	1-693-724-11	TUNER (FM/AM) (DZ830W)	
8	1-693-725-11	TUNER (FM/AM) (KR)	
8	1-693-726-11	TUNER (FM/AM) (E3, E32, MX, SP, TW, AUS)	
9	3-363-099-22	SCREW (CASE 3X8 TP2)	
10	2-889-996-31	CASE (DS)	
11	1-828-320-11	WIRE (FLAT TYPE) (11 CORE)	
12	A-1231-253-A	DIAT-TX BOARD, COMPLETE	
13	3-087-053-11	+BVTP2.6 (3CR)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-862-09	SCREW +BVTT 2.6X6 (S)	

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

7-2. FRONT PANEL SECTION

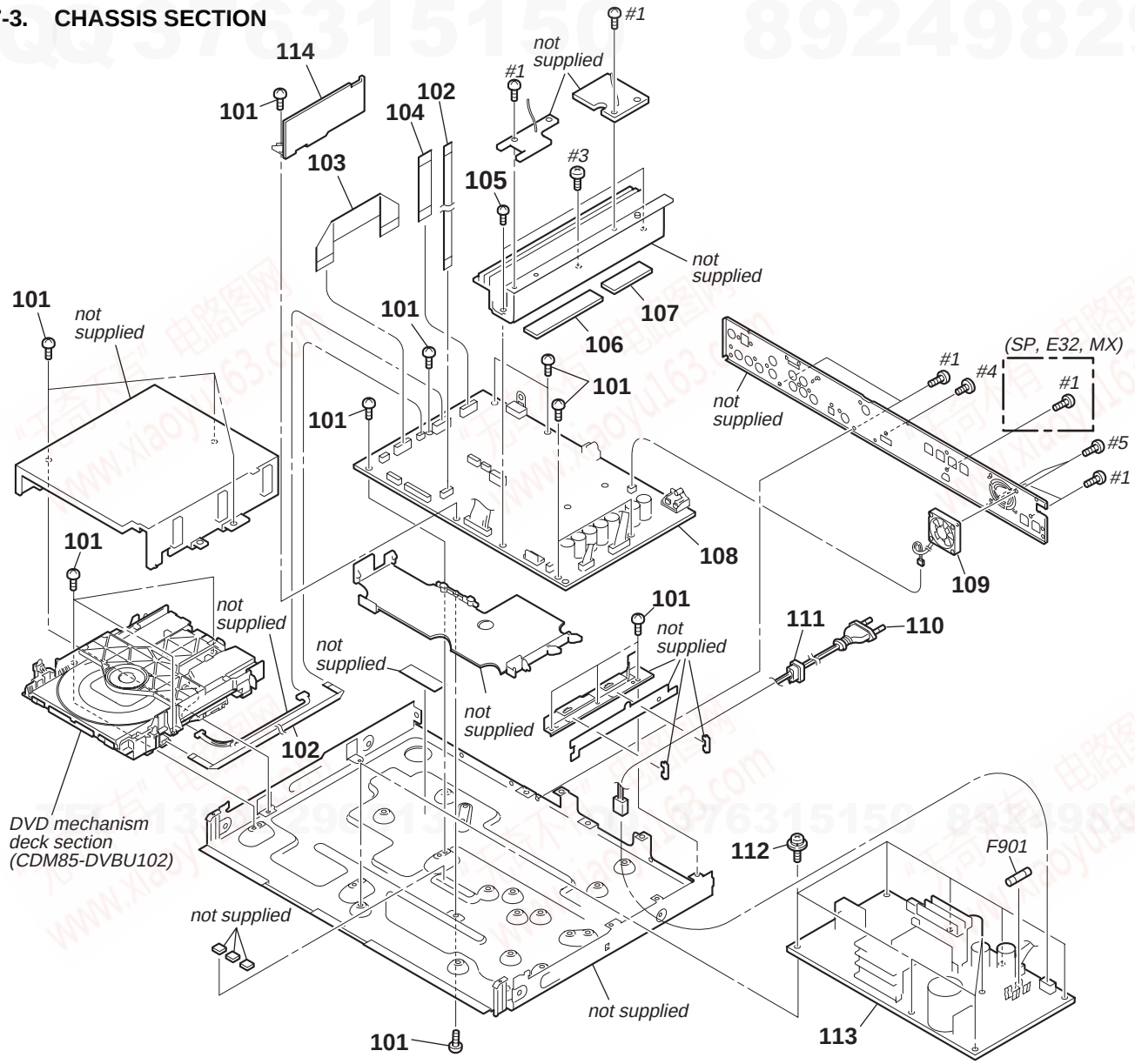


Ref. No.	Part No.	Description	Remark
51	2-889-990-01	KNOB (VOL)	
52	2-889-985-31	WINDOW, INDICATION (HM) (DZ850KW)	
52	2-889-985-41	WINDOW, INDICATION (HM) (DZ830W)	
53	2-889-988-01	BUTTON (CAP)	
54	2-889-984-11	PANEL, FRONT (DZ850KW)	
54	2-889-984-21	PANEL, FRONT (DZ830W)	
55	2-889-992-01	FILTER, COLOR	
56	2-889-989-01	BUTTON (BASE) (EXCEPT KR, MX, TW)	
56	2-889-989-11	BUTTON (BASE) (KR, MX, TW)	

Ref. No.	Part No.	Description	Remark
57	3-087-053-11	+BVTP2.6 (3CR)	
58	A-1231-241-A	JACK BOARD, COMPLETE (DZ830W)	
58	A-1231-263-A	JACK BOARD, COMPLETE (DZ850KW)	
59	1-828-325-11	WIRE (FLAT TYPE) (13 CORE)	
60	A-1222-498-A	FL BOARD, COMPLETE	
61	1-828-374-51	WIRE (FLAT TYPE) (21 CORE)	
62	3-531-576-01	RIVET	
63	2-889-986-01	ORNAMENT	

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

7-3. CHASSIS SECTION

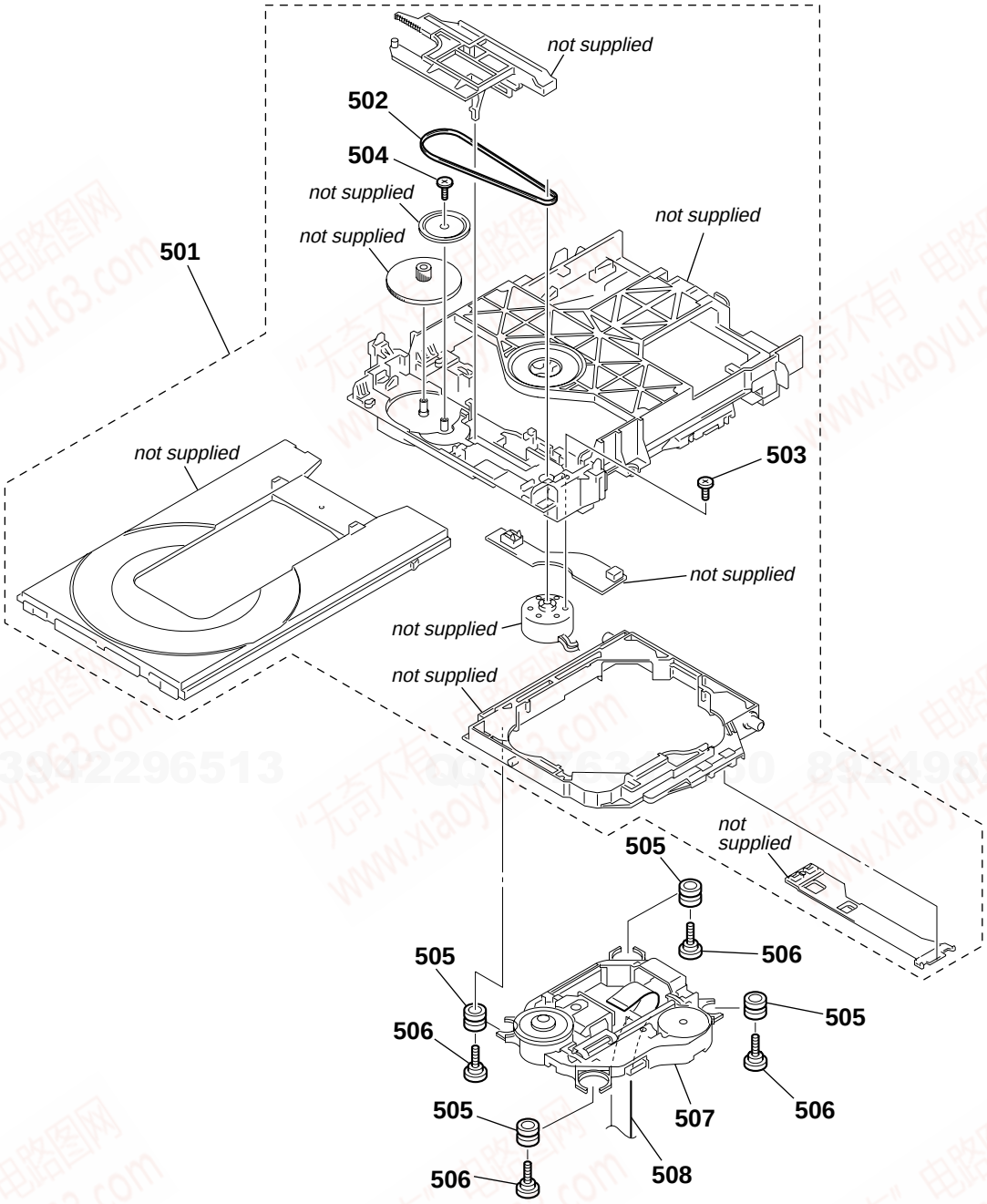


Ref. No.	Part No.	Description	Remark
101	3-077-331-21	+BV3 (3-CR)	
102	1-828-292-11	WIRE (FLAT TYPE) (5CORE)	
103	1-828-369-11	WIRE (FLAT TYPE) (21CORE)(E32, MX)	
103	1-828-389-11	WIRE (FLAT TYPE) (25CORE)(EXCEPT E32, MX)	
104	1-828-316-11	WIRE (FLAT TYPE) (11CORE)(DZ850KW)	
104	1-828-326-11	WIRE (FLAT TYPE) (13CORE)(DZ830W)	
105	3-077-331-11	+BV3 (3-CR)	
106	3-100-158-11	SHEET, RADIATION	
107	3-100-158-01	SHEET, RADIATION	
108	A-1243-186-A	MAIN BOARD, COMPLETE (E3)	
108	A-1243-187-A	MAIN BOARD, COMPLETE (SP)	
108	A-1243-189-A	MAIN BOARD, COMPLETE (AUS)	
108	A-1243-190-A	MAIN BOARD, COMPLETE (KR)	
108	A-1243-191-A	MAIN BOARD, COMPLETE (E32)	
108	A-1244-170-A	MAIN BOARD, COMPLETE (DZ830W)	
108	A-1283-146-A	MAIN BOARD, COMPLETE (TW)	
108	A-1283-153-A	MAIN BOARD, COMPLETE (MX)	
109	1-787-331-11	FAN, D.C.	
⚠110	1-751-520-31	CORD, POWER (UK)	
⚠110	1-769-079-61	CORD, POWER (KR)	
⚠110	1-777-071-23	CORD, POWER (E3, SP, AUS)	
⚠110	1-827-226-41	CORD, POWER (MX)	

Ref. No.	Part No.	Description	Remark
⚠110	1-827-597-41	CORD, POWER (TW)	
⚠110	1-830-188-11	CORD, POWER (AEP, E32)	
⚠111	3-703-244-00	BUSHING (2104), CORD (EXCEPT MX)	
*⚠111	3-703-571-12	BUSHING (S) (4516), CORD (MX)	
112	2-677-839-01	+PWH 3X8 (SUMITITE)	
113	A-1221-034-A	POWER BOARD, COMPLETE (E3, KR, SP, AUS)	
113	A-1228-781-A	POWER BOARD, COMPLETE (DZ830W)	
113	A-1257-150-A	POWER BOARD, COMPLETE (E32)	
113	A-1259-922-A	POWER BOARD, COMPLETE (TW)	
113	A-1271-069-A	POWER BOARD, COMPLETE (MX)	
114	A-1267-787-A	DSP BOARD, COMPLETE	
⚠F901	1-533-311-12	FUSE, GLASS CYLINDRICAL (DIA.5) (8A/125V)	(MX, TW)
⚠F901	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V)	(E32)
⚠F901	1-576-233-51	FUSE (H.B.C.) (T6.3AH/250V)	(EXCEPT E32, MX, TW)
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	
#4	7-682-547-04	SCREW +B 3X6	
#5	7-685-881-09	SCREW +BVTT 4X8 (S)	

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

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



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

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

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. ., uPA. . : µPA. .,
  uPB. . : µPB. ., uPC. . : µPC. .,
  uPD. . : µPD. .
- Abbreviation
  AUS : Australian model
  E3 : 220 – 240V AC area in E model
  E32 : 110 – 240V AC area in E model
  KR : Korean model
  MX : Mexican model
  SP : Singapore model
  TW : Taiwan model

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

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

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

Ref. No.	Part No.	Description			Remark
	A-1231-253-A	DIAT-TX BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1801	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1804	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1806	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1810	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1811	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1812	1-126-964-11	ELECT	10uF	20%	50V
C1816	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1818	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1819	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C1820	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C1821	1-126-964-11	ELECT	10uF	20%	50V
C1822	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1823	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1824	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1825	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1826	1-126-964-11	ELECT	10uF	20%	50V
C1827	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1828	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1829	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1830	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1831	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1832	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C1833	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1834	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1835	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1836	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1837	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1838	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1839	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1840	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1841	1-126-961-11	ELECT	2.2uF	20%	50V
C1842	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C1844	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1845	1-126-964-11	ELECT	10uF	20%	50V
C1846	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1848	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1850	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1851	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1860	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1861	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1864	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1865	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1866	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1867	1-126-933-11	ELECT	100uF	20%	16V
C1868	1-126-933-11	ELECT	100uF	20%	16V
C1869	1-126-933-11	ELECT	100uF	20%	16V
C1870	1-126-933-11	ELECT	100uF	20%	16V
		< CONNECTOR >			
CN1801	1-779-548-21	CONNECTOR, FFC (LIF (NON-ZIF)) 11P			
		< FERRITE BEAD >			
FB1801	1-400-180-21	INDUCTOR, EMI FERRITE (1608)			
FB1802	1-400-180-21	INDUCTOR, EMI FERRITE (1608)			
FB1803	1-400-180-21	INDUCTOR, EMI FERRITE (1608)			
FB1804	1-414-234-22	INDUCTOR, FERRITE BEAD			
		< IC >			
IC1800	6-700-792-01	IC NJM78M09DL1A (TE1)			
IC1801	6-704-261-01	IC TK11225CMCL-G			
IC1802	8-759-548-99	IC SN74LV08APWR			
IC1803	8-759-549-01	IC SN74LV125APWR			
IC1804	8-752-425-05	IC CXD4016R			
IC1805	8-759-684-21	IC AD8057ARTZ-REEL7			
		< JACK >			
J1801	1-818-634-11	JACK, PIN 1P (DIR-T1)			
		< COIL >			
L1806	1-469-525-91	INDUCTOR	10uH		
L1807	1-469-525-91	INDUCTOR	10uH		
L1808	1-469-525-91	INDUCTOR	10uH		
L1809	1-469-525-91	INDUCTOR	10uH		
L1810	1-469-525-91	INDUCTOR	10uH		
L1811	1-400-305-11	INDUCTOR	47uH		
L1812	1-414-741-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q1801	8-729-230-49	TRANSISTOR	2SC2712-YG		
		< RESISTOR >			
R1802	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1803	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1804	1-216-809-11	METAL CHIP	100	5%	1/10W
R1805	1-216-809-11	METAL CHIP	100	5%	1/10W
R1806	1-216-809-11	METAL CHIP	100	5%	1/10W
R1807	1-216-809-11	METAL CHIP	100	5%	1/10W
R1808	1-216-809-11	METAL CHIP	100	5%	1/10W
R1809	1-216-809-11	METAL CHIP	100	5%	1/10W
R1810	1-216-809-11	METAL CHIP	100	5%	1/10W
R1811	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1812	1-216-815-11	METAL CHIP	330	5%	1/10W
R1813	1-216-813-11	METAL CHIP	220	5%	1/10W
R1814	1-216-809-11	METAL CHIP	100	5%	1/10W
R1815	1-216-815-11	METAL CHIP	330	5%	1/10W
R1816	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1817	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1818	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1819	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1820	1-216-813-11	METAL CHIP	220	5%	1/10W
R1821	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1822	1-216-811-11	METAL CHIP	150	5%	1/10W
R1823	1-216-813-11	METAL CHIP	220	5%	1/10W
R1824	1-216-817-11	METAL CHIP	470	5%	1/10W
R1825	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1826	1-216-811-11	METAL CHIP	150	5%	1/10W
R1827	1-216-811-11	METAL CHIP	150	5%	1/10W
R1829	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1830	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1831	1-220-397-11	METAL CHIP	4.7M	5%	1/10W
R1832	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1833	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1834	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1837	1-216-803-11	METAL CHIP	33	5%	1/10W
R1838	1-216-809-11	METAL CHIP	100	5%	1/10W
R1839	1-216-809-11	METAL CHIP	100	5%	1/10W
R1840	1-216-809-11	METAL CHIP	100	5%	1/10W
R1841	1-216-809-11	METAL CHIP	100	5%	1/10W
R1842	1-216-809-11	METAL CHIP	100	5%	1/10W
R1843	1-216-809-11	METAL CHIP	100	5%	1/10W
R1844	1-216-809-11	METAL CHIP	100	5%	1/10W
		< VARIABLE RESISTOR >			
RV1801	1-223-582-11	RES, ADJ, CARBON	470		
		< VIBRATOR >			
X1801	1-795-692-11	QUARTZ CRYSTAL UNIT (24.576MHz)			
**********					
	A-1218-025-A	DMPORT BOARD, COMPLETE (EXCEPT E32, MX)			
		**********			
		< CAPACITOR >			
C210	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C211	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C212	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C213	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C214	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C220	1-128-995-21	ELECT CHIP	100uF	20%	10V
C221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C223	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C229	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C230	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C231	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C232	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C233	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C234	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C235	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C236	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C237	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C238	1-126-395-11	ELECT CHIP	22uF	20%	16V
C239	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C241	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN201	1-784-861-51	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			
CN203	1-774-730-21	PIN, CONNECTOR (PC BOARD) 3P			
CN204	1-817-615-21	CONNECTOR BOARD TO BOARD 18P (DMPORT)			
		< IC >			
IC201	6-705-308-01	IC SI-3010KM-TL			
IC202	8-759-710-97	IC NJM4565M-D			
		< COIL >			
L200	1-469-525-91	INDUCTOR	10uH		
		< RESISTOR >			
R203	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R208	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R214	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R215	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R220	1-216-821-11	METAL CHIP	1K	5%	1/10W
R221	1-216-821-11	METAL CHIP	1K	5%	1/10W
R222	1-216-840-11	METAL CHIP	39K	5%	1/10W
R223	1-216-833-11	METAL CHIP	10K	5%	1/10W
R224	1-216-864-11	SHORT CHIP	0		
R225	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R227	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R228	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R229	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R230	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R231	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R232	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R237	1-216-864-11	SHORT CHIP	0		
R238	1-216-864-11	SHORT CHIP	0		
R239	1-216-864-11	SHORT CHIP	0		
R240	1-216-809-11	METAL CHIP	100	5%	1/10W
R241	1-216-809-11	METAL CHIP	100	5%	1/10W
**********					
	A-1267-787-A	DSP BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C2	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

DSP

Ref. No.	Part No.	Description			Remark
C6	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C7	1-126-916-11	ELECT	1000uF	20%	6.3V
C9	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C10	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C11	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C19	1-117-370-11	CERAMIC CHIP	10uF		10V
C23	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C24	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C25	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C26	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C28	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C29	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C30	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C32	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C33	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C34	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C35	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C36	1-117-370-11	CERAMIC CHIP	10uF		10V
C39	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C40	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C42	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C43	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C45	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C46	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C49	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C50	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C52	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C57	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C59	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C61	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C62	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C63	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C64	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C66	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C67	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C70	1-117-370-11	CERAMIC CHIP	10uF		10V
C71	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C73	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C74	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C75	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C76	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C77	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C78	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C79	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C080	1-126-923-91	ELECT	220uF	20%	10V
C85	1-117-370-11	CERAMIC CHIP	10uF		10V
C90	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C728	1-126-942-61	ELECT	1000uF	20%	25V
C729	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C731	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C732	1-104-658-91	ELECT	100uF	20%	10V
C782	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C783	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C784	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C785	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C786	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C787	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C788	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< CONNECTOR >			
CN001	1-820-873-11	CONNECTOR, BOARD TO BOARD 30P			
		< IC >			
IC1	6-705-308-01	IC SI-3010KM-TL			
IC002	6-709-759-01	IC ADSST-AVR-1115			
IC703	6-705-308-01	IC SI-3010KM-TL			
IC782	6-710-388-01	IC 74LVC1G79GW-125			
IC783	6-704-099-01	IC TC7WZ08FK (TE85R)			
IC785	8-759-680-48	IC TC7WH157FK (TE85R)			
IC786	8-759-831-52	IC TC7WH125FK (TE85R)			
IC787	6-807-120-01	IC SST25VF040B-50-4C-QAF-1			
		< COIL >			
L1	1-414-398-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q781	8-729-038-11	TRANSISTOR	RT1P140C-TP-1		
		< RESISTOR >			
R001	1-216-801-11	METAL CHIP	22	5%	1/10W
R002	1-216-801-11	METAL CHIP	22	5%	1/10W
R003	1-216-801-11	METAL CHIP	22	5%	1/10W
R004	1-216-801-11	METAL CHIP	22	5%	1/10W
R4	1-216-821-11	METAL CHIP	1K	5%	1/10W
R005	1-216-801-11	METAL CHIP	22	5%	1/10W
R006	1-216-801-11	METAL CHIP	22	5%	1/10W
R007	1-216-801-11	METAL CHIP	22	5%	1/10W
R008	1-216-801-11	METAL CHIP	22	5%	1/10W
R009	1-216-801-11	METAL CHIP	22	5%	1/10W
R012	1-216-833-11	METAL CHIP	10K	5%	1/10W
R013	1-216-833-11	METAL CHIP	10K	5%	1/10W
R13	1-216-864-11	SHORT CHIP	0		
R014	1-216-833-11	METAL CHIP	10K	5%	1/10W
R14	1-218-854-11	METAL CHIP	2K	0.5%	1/10W
R015	1-216-833-11	METAL CHIP	10K	5%	1/10W
R15	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R16	1-216-864-11	SHORT CHIP	0		
R17	1-216-864-11	SHORT CHIP	0		
R18	1-216-864-11	SHORT CHIP	0		
R20	1-216-864-11	SHORT CHIP	0		
R21	1-216-833-11	METAL CHIP	10K	5%	1/10W
R023	1-216-819-11	METAL CHIP	680	5%	1/10W
R24	1-216-821-11	METAL CHIP	1K	5%	1/10W
R25	1-216-864-11	SHORT CHIP	0		
R26	1-216-801-11	METAL CHIP	22	5%	1/10W
R27	1-216-801-11	METAL CHIP	22	5%	1/10W
R28	1-216-801-11	METAL CHIP	22	5%	1/10W
R29	1-216-801-11	METAL CHIP	22	5%	1/10W
R30	1-216-801-11	METAL CHIP	22	5%	1/10W
R32	1-216-833-11	METAL CHIP	10K	5%	1/10W
R35	1-216-857-11	METAL CHIP	1M	5%	1/10W
R36	1-216-797-11	METAL CHIP	10	5%	1/10W
R38	1-216-864-11	SHORT CHIP	0		
R41	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R43	1-216-833-11	METAL CHIP	10K	5%	1/10W
R45	1-216-833-11	METAL CHIP	10K	5%	1/10W
R47	1-216-821-11	METAL CHIP	1K	5%	1/10W
R048	1-216-809-11	METAL CHIP	100	5%	1/10W
R49	1-216-864-11	SHORT CHIP	0		
R50	1-216-821-11	METAL CHIP	1K	5%	1/10W
R51	1-216-864-11	SHORT CHIP	0		
R52	1-216-864-11	SHORT CHIP	0		
R53	1-216-801-11	METAL CHIP	22	5%	1/10W
R54	1-216-801-11	METAL CHIP	22	5%	1/10W
R58	1-216-864-11	SHORT CHIP	0		
R59	1-216-864-11	SHORT CHIP	0		
R60	1-216-864-11	SHORT CHIP	0		
R65	1-216-801-11	METAL CHIP	22	5%	1/10W
R66	1-216-801-11	METAL CHIP	22	5%	1/10W
R67	1-216-801-11	METAL CHIP	22	5%	1/10W
R90	1-216-809-11	METAL CHIP	100	5%	1/10W
R91	1-216-809-11	METAL CHIP	100	5%	1/10W
R92	1-216-809-11	METAL CHIP	100	5%	1/10W
R742	1-216-821-11	METAL CHIP	1K	5%	1/10W
R744	1-216-833-11	METAL CHIP	10K	5%	1/10W
R745	1-216-835-11	METAL CHIP	15K	5%	1/10W
R781	1-216-849-11	METAL CHIP	220K	5%	1/10W
R782	1-216-809-11	METAL CHIP	100	5%	1/10W
R783	1-216-295-91	SHORT CHIP	0		
R784	1-216-821-11	METAL CHIP	1K	5%	1/10W
R785	1-216-864-11	SHORT CHIP	0		
R788	1-216-864-11	SHORT CHIP	0		
		< VIBRATOR >			
X1	1-795-807-11	VIBRATOR, CRYSTAL (25MHz)			
**********					
	A-1222-498-A	FL BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C800	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C801	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V
C802	1-126-947-11	ELECT	47uF	20%	35V
C803	1-126-933-11	ELECT	100uF	20%	16V
C804	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C805	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C809	1-126-157-11	ELECT	10uF	20%	16V
C811	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C814	1-126-157-11	ELECT	10uF	20%	16V
C829	1-124-259-11	ELECT	4.7uF	20%	50V
		< CONNECTOR >			
CN801	1-779-558-11	CONNECTOR, FFC (LIF (NON-ZIF)) 21P			
CN805	1-794-506-51	CONNECTOR, FFC/FPC 13P			
		< DIODE >			
D801	6-501-193-01	DIODE 1SS355WTE-17			
D802	6-501-193-01	DIODE 1SS355WTE-17			
D803	6-501-169-01	DIODE UDZW-TE17-6.2B			
D804	6-501-193-01	DIODE 1SS355WTE-17			
D805	6-501-193-01	DIODE 1SS355WTE-17			

Ref. No.	Part No.	Description			Remark
		< IC >			
IC801	6-600-349-21	IC NJL23H400A			
IC802	8-759-643-83	IC uPD16315GB-3BS			
		< JUMPER RESISTOR >			
JR801	1-216-864-11	SHORT CHIP	0		
JR802	1-216-864-11	SHORT CHIP	0		
JR807	1-216-864-11	SHORT CHIP	0		
JR808	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L801	1-410-671-31	INDUCTOR	47uH		
L802	1-410-671-31	INDUCTOR	47uH		
		< FLUORESCENT INDICATOR TUBE >			
ND001	1-451-590-11	VACUUM FLUORESCENT DISPLAYS			
		< TRANSISTOR >			
Q801	6-550-065-01	TRANSISTOR	CPH5504-TL-E		
		< RESISTOR >			
R800	1-216-864-11	SHORT CHIP	0		
R801	1-216-839-11	METAL CHIP	33K	5%	1/10W
R802	1-216-809-11	METAL CHIP	100	5%	1/10W
R804	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R805	1-216-295-91	SHORT CHIP	0		
R811	1-216-844-11	METAL CHIP	82K	5%	1/10W
R812	1-216-845-11	METAL CHIP	100K	5%	1/10W
R813	1-216-845-11	METAL CHIP	100K	5%	1/10W
R814	1-216-809-11	METAL CHIP	100	5%	1/10W
R815	1-216-809-11	METAL CHIP	100	5%	1/10W
R816	1-216-809-11	METAL CHIP	100	5%	1/10W
R819	1-216-805-11	METAL CHIP	47	5%	1/10W
R820	1-216-845-11	METAL CHIP	100K	5%	1/10W
		< TRANSFORMER >			
T801	1-443-645-11	TRANSFORMER, DC CONVERTER			
**********					
	A-1231-251-A	IO-SCART BOARD, COMPLETE (DZ830W)			
		**********			
		< CAPACITOR >			
C201	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C202	1-126-925-91	ELECT	470uF	20%	10V
C203	1-126-933-11	ELECT	100uF	20%	16V
C204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C206	1-126-964-11	ELECT	10uF	20%	50V
C208	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C209	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C210	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C211	1-126-964-11	ELECT	10uF	20%	50V
C214	1-126-916-11	ELECT	1000uF	20%	6.3V
C215	1-126-933-11	ELECT	100uF	20%	16V
C216	1-126-933-11	ELECT	100uF	20%	16V
C221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C222	1-104-658-91	ELECT	100uF	20%	10V

IO-SCART

Ref. No.	Part No.	Description			Remark
C224	1-126-964-11	ELECT	10uF	20%	50V
C225	1-126-916-11	ELECT	1000uF	20%	6.3V
C231	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C232	1-126-933-11	ELECT	100uF	20%	16V
C233	1-126-933-11	ELECT	100uF	20%	16V
C234	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C238	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C239	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C240	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C244	1-126-916-11	ELECT	1000uF	20%	6.3V
C245	1-126-916-11	ELECT	1000uF	20%	6.3V
C246	1-126-916-11	ELECT	1000uF	20%	6.3V
C271	1-126-933-11	ELECT	100uF	20%	16V
C295	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C296	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C304	1-126-947-11	ELECT	47uF	20%	35V
C311	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C312	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C313	1-126-933-11	ELECT	100uF	20%	16V
C314	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C315	1-126-933-11	ELECT	100uF	20%	16V
C317	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C320	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C321	1-104-662-91	ELECT	22uF	20%	25V
C324	1-104-662-91	ELECT	22uF	20%	25V
C325	1-104-662-91	ELECT	22uF	20%	25V
C326	1-104-662-91	ELECT	22uF	20%	25V
C327	1-104-662-91	ELECT	22uF	20%	25V
C328	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C330	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C340	1-104-662-91	ELECT	22uF	20%	25V
C341	1-104-662-91	ELECT	22uF	20%	25V
C342	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C343	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C345	1-104-662-91	ELECT	22uF	20%	25V
C349	1-126-933-11	ELECT	100uF	20%	16V
C350	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C353	1-126-933-11	ELECT	100uF	20%	16V
C354	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C356	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C360	1-126-959-11	ELECT	0.47uF	20%	50V
C362	1-126-933-11	ELECT	100uF	20%	16V
C363	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C365	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C367	1-104-662-91	ELECT	22uF	20%	25V
C368	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C369	1-126-933-11	ELECT	100uF	20%	16V
C371	1-104-662-91	ELECT	22uF	20%	25V
C372	1-104-662-91	ELECT	22uF	20%	25V
C373	1-104-662-91	ELECT	22uF	20%	25V
C374	1-104-662-91	ELECT	22uF	20%	25V
C376	1-104-662-91	ELECT	22uF	20%	25V
C383	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C384	1-126-933-11	ELECT	100uF	20%	16V
C385	1-126-960-11	ELECT	1uF	20%	50V
C386	1-126-960-11	ELECT	1uF	20%	50V
C387	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C388	1-127-573-11	CERAMIC CHIP	1uF	10%	16V
C389	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C390	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C391	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C392	1-126-933-11	ELECT	100uF	20%	16V

< CONNECTOR >

CN301	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P
CN302	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P
CN304	1-779-281-11	CONNECTOR, FFC (LIF (NON-ZIF)) 13P
CN305	1-568-830-11	CONNECTOR, FFC 11P
CN306	1-779-293-11	CONNECTOR, FFC (LIF (NON-ZIF)) 25P
CN307	1-779-273-11	CONNECTOR, FFC (LIF (NON-ZIF)) 5P

< DIODE >

D271	6-501-193-01	DIODE 1SS355WTE-17
D272	6-501-193-01	DIODE 1SS355WTE-17
D280	6-501-193-01	DIODE 1SS355WTE-17
D281	6-501-193-01	DIODE 1SS355WTE-17
D309	8-719-058-24	DIODE RB501V-40TE-17

< IC >

IC201	6-707-489-01	IC BH7868FS-E2
IC202	6-703-622-01	IC MM1508XNRE
IC230	6-707-489-01	IC BH7868FS-E2
IC301	6-600-466-01	IC TORX147L (SONY) (OPTICAL)
IC302	6-706-492-01	IC TC7SHU04FU (T5RSOJF)
IC303	8-759-385-76	IC MC14052 BDR2
IC304	8-759-385-76	IC MC14052 BDR2
IC305	8-759-100-96	IC uPC4558G2
IC306	8-759-100-96	IC uPC4558G2
IC307	6-703-550-01	IC TA7809LS

< JACK >

J203	1-820-784-11	JACK, PIN 5P (COMPONENT VIDEO OUT//SAT/CABLE)
J230	1-816-044-11	CONNECTOR, SQUARE TYPE 21P (EURO AV)
J302	1-784-431-11	JACK, PIN 1P (COAXIAL)

< COIL >

L201	1-469-525-91	INDUCTOR	10uH
L221	1-469-525-91	INDUCTOR	10uH
L231	1-469-525-91	INDUCTOR	10uH
L301	1-469-525-91	INDUCTOR	10uH
L302	1-469-525-91	INDUCTOR	10uH
L304	1-469-525-91	INDUCTOR	10uH
L305	1-469-525-91	INDUCTOR	10uH

< TRANSISTOR >

Q271	8-729-038-28	TRANSISTOR	RT1N441C-TP-1
Q272	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
Q273	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q274	8-729-038-28	TRANSISTOR	RT1N441C-TP-1
Q275	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q276	8-729-038-28	TRANSISTOR	RT1N441C-TP-1
Q277	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
Q279	8-729-027-52	TRANSISTOR	DTC124EKA-T146
Q305	8-729-027-52	TRANSISTOR	DTC124EKA-T146

Ref. No.	Part No.	Description			Remark
Q306	8-729-027-52	TRANSISTOR	DTC124EKA-T146		
Q307	8-729-027-52	TRANSISTOR	DTC124EKA-T146		
Q308	8-729-027-52	TRANSISTOR	DTC124EKA-T146		
		< RESISTOR >			
R210	1-218-285-11	METAL CHIP	75	5%	1/10W
R211	1-218-285-11	METAL CHIP	75	5%	1/10W
R212	1-218-285-11	METAL CHIP	75	5%	1/10W
R214	1-218-285-11	METAL CHIP	75	5%	1/10W
R215	1-218-285-11	METAL CHIP	75	5%	1/10W
R216	1-218-285-11	METAL CHIP	75	5%	1/10W
R225	1-218-285-11	METAL CHIP	75	5%	1/10W
R244	1-218-285-11	METAL CHIP	75	5%	1/10W
R245	1-218-285-11	METAL CHIP	75	5%	1/10W
R246	1-218-285-11	METAL CHIP	75	5%	1/10W
R250	1-216-864-11	SHORT CHIP	0		
R271	1-216-821-11	METAL CHIP	1K	5%	1/10W
R272	1-216-841-11	METAL CHIP	47K	5%	1/10W
R273	1-216-849-11	METAL CHIP	220K	5%	1/10W
R274	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R275	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R276	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R277	1-216-821-11	METAL CHIP	1K	5%	1/10W
R278	1-216-837-11	METAL CHIP	22K	5%	1/10W
R279	1-216-815-11	METAL CHIP	330	5%	1/10W
R280	1-216-815-11	METAL CHIP	330	5%	1/10W
R281	1-216-815-11	METAL CHIP	330	5%	1/10W
R282	1-216-815-11	METAL CHIP	330	5%	1/10W
R284	1-216-833-11	METAL CHIP	10K	5%	1/10W
R285	1-216-833-11	METAL CHIP	10K	5%	1/10W
R286	1-216-821-11	METAL CHIP	1K	5%	1/10W
R303	1-216-864-11	SHORT CHIP	0		
R306	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R307	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R308	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R309	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R310	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R311	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R312	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R314	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R316	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R317	1-216-809-11	METAL CHIP	100	5%	1/10W
R318	1-216-809-11	METAL CHIP	100	5%	1/10W
R319	1-216-841-11	METAL CHIP	47K	5%	1/10W
R320	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R321	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R324	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R328	1-218-285-11	METAL CHIP	75	5%	1/10W
R329	1-216-817-11	METAL CHIP	470	5%	1/10W
R332	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R333	1-216-841-11	METAL CHIP	47K	5%	1/10W
R334	1-216-841-11	METAL CHIP	47K	5%	1/10W
R335	1-216-841-11	METAL CHIP	47K	5%	1/10W
R336	1-216-841-11	METAL CHIP	47K	5%	1/10W
R337	1-216-841-11	METAL CHIP	47K	5%	1/10W
R338	1-216-841-11	METAL CHIP	47K	5%	1/10W
R341	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R342	1-216-841-11	METAL CHIP	47K	5%	1/10W
R343	1-216-841-11	METAL CHIP	47K	5%	1/10W
R344	1-216-841-11	METAL CHIP	47K	5%	1/10W
R345	1-216-841-11	METAL CHIP	47K	5%	1/10W
R346	1-216-841-11	METAL CHIP	47K	5%	1/10W
R347	1-216-841-11	METAL CHIP	47K	5%	1/10W
R349	1-216-837-11	METAL CHIP	22K	5%	1/10W
R351	1-216-864-11	SHORT CHIP	0		
R363	1-216-841-11	METAL CHIP	47K	5%	1/10W
R364	1-216-841-11	METAL CHIP	47K	5%	1/10W
R365	1-216-841-11	METAL CHIP	47K	5%	1/10W
R366	1-216-841-11	METAL CHIP	47K	5%	1/10W
R373	1-216-845-11	METAL CHIP	100K	5%	1/10W
R381	1-216-864-11	SHORT CHIP	0		
R382	1-216-833-11	METAL CHIP	10K	5%	1/10W
R383	1-216-833-11	METAL CHIP	10K	5%	1/10W
R385	1-216-864-11	SHORT CHIP	0		
R390	1-216-809-11	METAL CHIP	100	5%	1/10W
R392	1-216-833-11	METAL CHIP	10K	5%	1/10W
R393	1-216-833-11	METAL CHIP	10K	5%	1/10W
R394	1-216-821-11	METAL CHIP	1K	5%	1/10W
R395	1-216-821-11	METAL CHIP	1K	5%	1/10W
R396	1-216-833-11	METAL CHIP	10K	5%	1/10W
R397	1-216-833-11	METAL CHIP	10K	5%	1/10W
R398	1-216-841-11	METAL CHIP	47K	5%	1/10W
R399	1-216-841-11	METAL CHIP	47K	5%	1/10W
R400	1-216-821-11	METAL CHIP	1K	5%	1/10W
R401	1-216-821-11	METAL CHIP	1K	5%	1/10W
R402	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R403	1-216-845-11	METAL CHIP	100K	5%	1/10W
R404	1-216-845-11	METAL CHIP	100K	5%	1/10W
R405	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R406	1-216-845-11	METAL CHIP	100K	5%	1/10W
R407	1-216-845-11	METAL CHIP	100K	5%	1/10W
R408	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R409	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R410	1-216-841-11	METAL CHIP	47K	5%	1/10W
R411	1-216-841-11	METAL CHIP	47K	5%	1/10W
R412	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R413	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R414	1-216-864-11	SHORT CHIP	0		
R415	1-216-864-11	SHORT CHIP	0		
R416	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R417	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R420	1-216-817-11	METAL CHIP	470	5%	1/10W
R421	1-216-817-11	METAL CHIP	470	5%	1/10W
**********					
	A-1231-230-A	IO-S-OUT BOARD, COMPLETE (E3, KR, SP, TW, AUS)			
	A-1231-265-A	IO-S-OUT BOARD, COMPLETE (E32, MX)			
		**********			
		< CAPACITOR >			
C211	1-126-964-11	ELECT	10uF	20%	50V
C222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C228	1-126-916-11	ELECT	1000uF	20%	6.3V
C251	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C302	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V

Ref. No.	Part No.	Description			Remark
C303	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C309	1-126-957-11	ELECT	0.22uF	20%	50V
C311	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C312	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C313	1-126-933-11	ELECT	100uF	20%	16V
C314	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C315	1-126-933-11	ELECT	100uF	20%	16V
C317	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C320	1-162-960-11	CERAMIC CHIP	220PF	10%	50V (EXCEPT E32, MX)
C321	1-104-662-91	ELECT	22uF	20%	25V
C322	1-104-662-91	ELECT	22uF	20%	25V
C324	1-104-662-91	ELECT	22uF	20%	25V (EXCEPT E32, MX)
C325	1-104-662-91	ELECT	22uF	20%	25V
C326	1-104-662-91	ELECT	22uF	20%	25V
C327	1-104-662-91	ELECT	22uF	20%	25V (EXCEPT E32, MX)
C328	1-162-960-11	CERAMIC CHIP	220PF	10%	50V (EXCEPT E32, MX)
C329	1-126-933-11	ELECT	100uF	20%	16V
C330	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C331	1-126-916-11	ELECT	1000uF	20%	6.3V
C332	1-126-933-11	ELECT	100uF	20%	16V
C333	1-126-933-11	ELECT	100uF	20%	16V
C334	1-126-916-11	ELECT	1000uF	20%	6.3V
C335	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C337	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C338	1-126-933-11	ELECT	100uF	20%	16V
C339	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C340	1-104-662-91	ELECT	22uF	20%	25V
C341	1-104-662-91	ELECT	22uF	20%	25V
C342	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C343	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C344	1-126-964-11	ELECT	10uF	20%	50V (EXCEPT E32, MX)
C345	1-126-933-11	ELECT	100uF	20%	16V
C346	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C347	1-126-925-91	ELECT	470uF	20%	10V
C348	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C349	1-126-933-11	ELECT	100uF	20%	16V
C350	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C351	1-126-933-11	ELECT	100uF	20%	16V
C352	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C353	1-126-933-11	ELECT	100uF	20%	16V
C354	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C355	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C356	1-126-966-11	ELECT	33uF	20%	50V
C357	1-126-964-11	ELECT	10uF	20%	50V
C358	1-126-964-11	ELECT	10uF	20%	50V
C359	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C360	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C361	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C362	1-126-964-11	ELECT	10uF	20%	50V
C363	1-126-933-11	ELECT	100uF	20%	16V
C364	1-126-933-11	ELECT	100uF	20%	16V
C365	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C367	1-126-964-11	ELECT	10uF	20%	50V
C368	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C369	1-126-933-11	ELECT	100uF	20%	16V
C371	1-104-662-91	ELECT	22uF	20%	25V
C372	1-104-662-91	ELECT	22uF	20%	25V
C373	1-104-662-91	ELECT	22uF	20%	25V
C374	1-104-662-91	ELECT	22uF	20%	25V
C376	1-104-662-91	ELECT	22uF	20%	25V
C383	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C384	1-126-933-11	ELECT	100uF	20%	16V
C385	1-126-960-11	ELECT	1uF	20%	50V
C386	1-126-960-11	ELECT	1uF	20%	50V
C387	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C388	1-127-573-11	CERAMIC CHIP	1uF	10%	16V
C389	1-126-947-11	ELECT	47uF	20%	35V
C390	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C391	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C392	1-126-933-11	ELECT	100uF	20%	16V
C393	1-126-960-11	ELECT	1uF	20%	50V
C394	1-126-957-11	ELECT	0.22uF	20%	50V
C396	1-126-960-11	ELECT	1uF	20%	50V
C397	1-126-964-11	ELECT	10uF	20%	50V
C400	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
CN301	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P (EXCEPT E32, MX)			
CN302	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P			
CN304	1-779-279-11	CONNECTOR, FFC (LIF (NON-ZIF)) 11P			
CN305	1-568-828-11	CONNECTOR, FFC 9P			
CN306	1-779-293-11	CONNECTOR, FFC (LIF (NON-ZIF)) 25P (EXCEPT E32, MX)			
CN307	1-779-273-11	CONNECTOR, FFC (LIF (NON-ZIF)) 5P			
CN311	1-779-289-11	CONNECTOR, FFC (LIF (NON-ZIF)) 21P (E32, MX)			
		< DIODE >			
D280	6-501-193-01	DIODE 1SS355WTE-17			
D281	6-501-193-01	DIODE 1SS355WTE-17			
D300	6-501-193-01	DIODE 1SS355WTE-17			
D301	6-501-193-01	DIODE 1SS355WTE-17			
D306	8-719-069-54	DIODE UDZSTE-175.1B			
D307	6-501-193-01	DIODE 1SS355WTE-17			
D308	6-501-193-01	DIODE 1SS355WTE-17			
D309	8-719-058-24	DIODE RB501V-40TE-17			
		< IC >			
IC300	6-706-078-01	IC M62429FP-TP			
IC301	6-600-466-01	IC TORX147L (SONY) (OPTICAL)			
IC302	6-706-492-01	IC TC7SHU04FU (T5RSOJF)			
IC303	8-759-385-76	IC MC14052 BDR2			
IC304	8-759-385-76	IC MC14052 BDR2			
IC305	8-759-832-10	IC LA3210 A/B-E			
IC306	8-759-100-96	IC uPC4558G2			
IC307	6-703-550-01	IC TA7809LS			
IC308	6-710-470-01	IC MM1758AFBE			
IC309	8-759-677-33	IC MM1228XFBE			
		< JACK >			
J300	1-820-862-11	JACK, PIN 3P (SAT/CABLE)			

Ref. No.	Part No.	Description			Remark
J301	1-694-920-11	TERMINAL BOARD (S TERMINAL+1P)			(MONITOR OUT)
J302	1-784-431-11	JACK, PIN 1P (COAXIAL)			
J303	1-820-784-11	JACK, PIN 5P (COMPONENT VIDEO OUT/TV)			
		< COIL >			
L201	1-469-525-91	INDUCTOR	10uH		
L300	1-469-525-91	INDUCTOR	10uH		
L301	1-469-525-91	INDUCTOR	10uH		
L302	1-469-525-91	INDUCTOR	10uH		
L304	1-469-525-91	INDUCTOR	10uH		
L305	1-469-525-91	INDUCTOR	10uH		
		< TRANSISTOR >			
Q302	8-729-027-52	TRANSISTOR	DTC124EKA-T146		
Q304	8-729-027-52	TRANSISTOR	DTC124EKA-T146		
Q305	8-729-027-52	TRANSISTOR	DTC124EKA-T146		
Q306	8-729-027-52	TRANSISTOR	DTC124EKA-T146		
Q307	8-729-027-52	TRANSISTOR	DTC124EKA-T146		
Q308	8-729-027-52	TRANSISTOR	DTC124EKA-T146		(EXCEPT E32, MX)
		< RESISTOR >			
R227	1-218-285-11	METAL CHIP	75	5% 1/10W	
R228	1-218-285-11	METAL CHIP	75	5% 1/10W	
R229	1-218-285-11	METAL CHIP	75	5% 1/10W	
R305	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R306	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R307	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R308	1-216-827-11	METAL CHIP	3.3K	5% 1/10W	(EXCEPT E32, MX)
R309	1-216-827-11	METAL CHIP	3.3K	5% 1/10W	(EXCEPT E32, MX)
R310	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R311	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R312	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R314	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R316	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R317	1-216-809-11	METAL CHIP	100	5% 1/10W	
R318	1-216-809-11	METAL CHIP	100	5% 1/10W	
R319	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R320	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R321	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R323	1-218-285-11	METAL CHIP	75	5% 1/10W	
R324	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R326	1-218-285-11	METAL CHIP	75	5% 1/10W	
R328	1-218-285-11	METAL CHIP	75	5% 1/10W	
R329	1-216-817-11	METAL CHIP	470	5% 1/10W	
R331	1-218-285-11	METAL CHIP	75	5% 1/10W	
R332	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R333	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R334	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R335	1-216-841-11	METAL CHIP	47K	5% 1/10W	(EXCEPT E32, MX)
R336	1-216-841-11	METAL CHIP	47K	5% 1/10W	(EXCEPT E32, MX)
R337	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R338	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R339	1-218-285-11	METAL CHIP	75	5% 1/10W	
R340	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R341	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R342	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R343	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R344	1-216-841-11	METAL CHIP	47K	5% 1/10W	(EXCEPT E32, MX)
R345	1-216-841-11	METAL CHIP	47K	5% 1/10W	(EXCEPT E32, MX)
R346	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R347	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R348	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R349	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R350	1-216-864-11	SHORT CHIP	0		
R351	1-216-809-11	METAL CHIP	100	5% 1/10W	
R352	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R353	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R356	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R359	1-218-285-11	METAL CHIP	75	5% 1/10W	
R360	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R361	1-216-809-11	METAL CHIP	100	5% 1/10W	
R363	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R364	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R365	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R366	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R367	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R370	1-218-285-11	METAL CHIP	75	5% 1/10W	(EXCEPT E32, MX)
R372	1-218-285-11	METAL CHIP	75	5% 1/10W	
R373	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R374	1-216-845-11	METAL CHIP	100K	5% 1/10W	
R375	1-216-864-11	SHORT CHIP	0		
R378	1-216-864-11	SHORT CHIP	0		
R379	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R382	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R383	1-216-837-11	METAL CHIP	22K	5% 1/10W	
R386	1-216-864-11	SHORT CHIP	0		
R387	1-216-815-11	METAL CHIP	330	5% 1/10W	
⚠R388	1-215-865-11	METAL OXIDE	220	5% 1W	F
R390	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
R391	1-216-864-11	SHORT CHIP	0		
R392	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R393	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R394	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R395	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R396	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R397	1-216-833-11	METAL CHIP	10K	5% 1/10W	(EXCEPT E32, MX)
R398	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R399	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R400	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R401	1-216-821-11	METAL CHIP	1K	5% 1/10W	(EXCEPT E32, MX)
R402	1-218-827-11	METAL CHIP	150	0.5% 1/10W	
R403	1-216-845-11	METAL CHIP	100K	5% 1/10W	
R404	1-216-845-11	METAL CHIP	100K	5% 1/10W	
R405	1-218-827-11	METAL CHIP	150	0.5% 1/10W	
R406	1-216-845-11	METAL CHIP	100K	5% 1/10W	
R407	1-216-845-11	METAL CHIP	100K	5% 1/10W	

HCD-DZ830W/DZ850KW

Ver. 1.1

IO-S-OUT | JACK

Ref. No.	Part No.	Description			Remark
R408	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R409	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R410	1-216-841-11	METAL CHIP	47K	5%	1/10W
R411	1-216-841-11	METAL CHIP	47K	5%	1/10W
R412	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R413	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R414	1-216-864-11	SHORT CHIP	0		
R415	1-216-864-11	SHORT CHIP	0		
R416	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R417	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R420	1-216-817-11	METAL CHIP	470	5%	1/10W
R421	1-216-817-11	METAL CHIP	470	5%	1/10W
R424	1-216-864-11	SHORT CHIP	0		
R425	1-216-833-11	METAL CHIP	10K	5%	1/10W (E32, MX)
R426	1-216-864-11	SHORT CHIP	0		
R427	1-216-864-11	SHORT CHIP	0		
R430	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R434	1-216-864-11	SHORT CHIP	0		
R435	1-216-864-11	SHORT CHIP	0		
R436	1-216-833-11	METAL CHIP	10K	5%	1/10W
R437	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R438	1-216-833-11	METAL CHIP	10K	5%	1/10W
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	A-1231-241-A	JACK BOARD, COMPLETE (DZ830W)			
	A-1231-263-A	JACK BOARD, COMPLETE (DZ850KW)			
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		< CAPACITOR >			
C401	1-124-589-11	ELECT	47uF	20%	16V
C403	1-124-584-00	ELECT	100uF	20%	10V
C404	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C405	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (DZ850KW)
C406	1-124-584-00	ELECT	100uF	20%	10V (DZ850KW)
C410	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C411	1-126-157-11	ELECT	10uF	20%	16V
C412	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C413	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C420	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C421	1-126-157-11	ELECT	10uF	20%	16V
C422	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C423	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C440	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (DZ850KW)
C441	1-126-157-11	ELECT	10uF	20%	16V (DZ850KW)
C442	1-164-315-11	CERAMIC CHIP	470PF	5%	50V (DZ850KW)
C443	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DZ850KW)
C450	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (DZ830W)
C460	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (DZ830W)
C471	1-124-584-00	ELECT	100uF	20%	6.3V
C491	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C493	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C849	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C850	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< CONNECTOR >			
CN806	1-779-550-21	CONNECTOR, FFC (LIF (NON-ZIF)) 13P			
		< DIODE >			
D470	6-501-193-01	DIODE 1SS355WTE-17			
D492	6-501-193-01	DIODE 1SS355WTE-17			
D493	6-501-193-01	DIODE 1SS355WTE-17			
D496	6-501-193-01	DIODE 1SS355WTE-17			
D497	6-501-193-01	DIODE 1SS355WTE-17			
		< FERRITE BEAD >			
FB450	1-216-864-11	SHORT CHIP	0 (DZ830W)		
FB460	1-216-864-11	SHORT CHIP	0 (DZ830W)		
FB470	1-500-236-22	BEAD, FERRITE (CHIP) (1608)			
FB471	1-500-236-22	BEAD, FERRITE (CHIP) (1608)			
FB474	1-500-236-22	BEAD, FERRITE (CHIP) (1608)			
FB475	1-500-236-22	BEAD, FERRITE (CHIP) (1608)			
FB479	1-500-236-22	BEAD, FERRITE (CHIP) (1608) (DZ830W)			
		< IC >			
IC401	8-759-100-96	IC uPC4558G2			
IC402	8-759-100-96	IC uPC4558G2 (DZ850KW)			
		< JACK >			
J401	1-819-878-21	JACK (AUDIO IN/MIC1/A.CAL MIC)(DZ850KW)			
J401	1-819-878-31	JACK (AUDIO IN/A.CAL MIC)(DZ830W)			
J402	1-819-878-21	JACK (MIC 2)(DZ850KW)			
J402	1-819-878-31	JACK (PHONES)(DZ830W)			
		< JUMPER RESISTOR >			
JR816	1-216-864-11	SHORT CHIP	0		
		< TRANSISTOR >			
Q450	6-550-889-01	TRANSISTOR	2SC5938-T112-1B		(DZ830W)
Q451	6-550-889-01	TRANSISTOR	2SC5938-T112-1B		(DZ830W)
Q460	6-550-889-01	TRANSISTOR	2SC5938-T112-1B		(DZ830W)
Q461	6-550-889-01	TRANSISTOR	2SC5938-T112-1B		(DZ830W)
Q470	8-729-038-28	TRANSISTOR	RT1N441C-TP-1		
Q471	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q473	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q474	8-729-038-11	TRANSISTOR	RT1P140C-TP-1		
Q475	8-729-038-28	TRANSISTOR	RT1N441C-TP-1		
		< RESISTOR >			
R401	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R402	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R403	1-216-821-11	METAL CHIP	1K	5%	1/10W
R404	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ850KW)
R405	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ850KW)

Ref. No.	Part No.	Description			Remark
R410	1-216-845-11	METAL CHIP	100K	5%	1/10W
R411	1-216-817-11	METAL CHIP	470	5%	1/10W
R412	1-216-837-11	METAL CHIP	22K	5%	1/10W
R413	1-216-821-11	METAL CHIP	1K	5%	1/10W
R414	1-216-837-11	METAL CHIP	22K	5%	1/10W
R415	1-216-821-11	METAL CHIP	1K	5%	1/10W
R416	1-216-801-11	METAL CHIP	22	5%	1/10W
R420	1-216-845-11	METAL CHIP	100K	5%	1/10W
R421	1-216-817-11	METAL CHIP	470	5%	1/10W
R422	1-216-837-11	METAL CHIP	22K	5%	1/10W
R423	1-216-821-11	METAL CHIP	1K	5%	1/10W
R424	1-216-821-11	METAL CHIP	1K	5%	1/10W
R430	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R431	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R435	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R440	1-216-845-11	METAL CHIP	100K	5%	1/10W (DZ850KW)
R441	1-216-817-11	METAL CHIP	470	5%	1/10W (DZ850KW)
R442	1-216-837-11	METAL CHIP	22K	5%	1/10W (DZ850KW)
R443	1-216-821-11	METAL CHIP	1K	5%	1/10W (DZ850KW)
R444	1-216-837-11	METAL CHIP	22K	5%	1/10W (DZ850KW)
R445	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (KR, MX, TW)
R450	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ830W)
R451	1-216-801-11	METAL CHIP	22	5%	1/10W (DZ830W)
R452	1-216-805-11	METAL CHIP	47	5%	1/10W (DZ830W)
R453	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ830W)
R454	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ830W)
R460	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ830W)
R461	1-216-801-11	METAL CHIP	22	5%	1/10W (DZ830W)
R462	1-216-805-11	METAL CHIP	47	5%	1/10W (DZ830W)
R463	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ830W)
R464	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ830W)
R470	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R471	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R472	1-216-819-11	METAL CHIP	680	5%	1/10W
R478	1-216-809-11	METAL CHIP	100	5%	1/10W
R480	1-216-805-11	METAL CHIP	47	5%	1/10W
R481	1-216-845-11	METAL CHIP	100K	5%	1/10W
R482	1-216-833-11	METAL CHIP	10K	5%	1/10W
R490	1-216-864-11	SHORT CHIP	0		
R491	1-216-864-11	SHORT CHIP	0		
R492	1-216-864-11	SHORT CHIP	0		
R851	1-216-864-11	SHORT CHIP	0		
R852	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R853	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R854	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R855	1-216-821-11	METAL CHIP	1K	5%	1/10W
R856	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R857	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R858	1-216-864-11	SHORT CHIP	0		
		< SWITCH >			
S800	1-418-725-51	ENCODER, ROTARY (12 TYPE) (VOLUME) (EXCEPT KR, MX, TW)			
S800	1-480-136-11	ENCODER, ROTARY (12 TYPE) (VOLUME) (KR, MX, TW)			
S802	1-762-875-21	SWITCH, KEYBOARD (FUNCTION)			
S803	1-762-875-21	SWITCH, KEYBOARD (⏮)			
S804	1-762-875-21	SWITCH, KEYBOARD (⏸)			
S805	1-762-875-21	SWITCH, KEYBOARD (⏹)			
S806	1-762-875-21	SWITCH, KEYBOARD (⏭)			
S807	1-762-875-21	SWITCH, KEYBOARD (⏏)			
S808	1-762-875-21	SWITCH, KEYBOARD (▷)			
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	A-1243-186-A	MAIN BOARD, COMPLETE (E3)			
	A-1243-187-A	MAIN BOARD, COMPLETE (SP)			
	A-1243-189-A	MAIN BOARD, COMPLETE (AUS)			
	A-1243-190-A	MAIN BOARD, COMPLETE (KR)			
	A-1243-191-A	MAIN BOARD, COMPLETE (E32)			
	A-1244-170-A	MAIN BOARD, COMPLETE (DZ830W)			
	A-1283-146-A	MAIN BOARD, COMPLETE (TW)			
	A-1283-153-A	MAIN BOARD, COMPLETE (MX)			
		**********			
		< CAPACITOR >			
C450	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (DZ850KW)
C451	1-126-947-11	ELECT	47uF	20%	35V (DZ850KW)
C452	1-126-947-11	ELECT	47uF	20%	35V (DZ850KW)
C453	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (DZ850KW)
C454	1-126-960-11	ELECT	1uF	20%	50V (DZ850KW)
C455	1-126-947-11	ELECT	47uF	20%	35V (DZ850KW)
C456	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DZ850KW)
C457	1-104-662-91	ELECT	22uF	20%	25V (DZ850KW)
C458	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DZ850KW)
C459	1-126-947-11	ELECT	47uF	20%	35V (DZ850KW)
C460	1-126-961-11	ELECT	2.2uF	20%	50V (DZ850KW)
C461	1-126-961-11	ELECT	2.2uF	20%	50V (DZ850KW)
C462	1-126-947-11	ELECT	47uF	20%	35V (DZ850KW)
C463	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (DZ850KW)
C464	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (DZ850KW)
C465	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (DZ850KW)
C466	1-126-947-11	ELECT	47uF	20%	35V (SP, E32, MX)
C467	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (SP, E32, MX)
C468	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V (SP, E32, MX)

HCD-DZ830W/DZ850KW

Ver. 1.1

MAIN

Ref. No.	Part No.	Description				Remark
C469	1-126-964-11	ELECT	10uF	20%	50V	
						(SP, E32, MX)
C470	1-126-947-11	ELECT	47uF	20%	35V	
						(SP, E32, MX)
C471	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
						(SP, E32, MX)
C501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C506	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C508	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C509	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
C510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C511	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
						(EXCEPT KR, MX, TW)
C515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C516	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
C517	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C518	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C519	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C520	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V	
C521	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C522	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V	
C523	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C524	1-126-947-11	ELECT	47uF	20%	35V	
C525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C526	1-104-658-91	ELECT	100uF	20%	10V	
C527	1-126-916-11	ELECT	1000uF	20%	6.3V	
C528	1-126-916-11	ELECT	1000uF	20%	6.3V	
C529	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V	
C531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C532	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C534	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C535	1-126-947-11	ELECT	47uF	20%	35V	
C536	1-126-947-11	ELECT	47uF	20%	35V	
C538	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C651	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
						(EXCEPT KR, MX, TW)
C705	1-126-964-11	ELECT	10uF	20%	50V	
C706	1-126-964-11	ELECT	10uF	20%	50V	
C707	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C708	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C709	1-126-923-91	ELECT	220uF	20%	10V	
C710	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V	
C711	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C716	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C717	1-126-964-11	ELECT	10uF	20%	50V	
C718	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C719	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C720	1-126-923-91	ELECT	220uF	20%	10V	
C721	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C722	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C723	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C724	1-162-917-11	CERAMIC CHIP	15PF	5%	50V	
C725	1-162-917-11	CERAMIC CHIP	15PF	5%	50V	
C727	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	

Ref. No.	Part No.	Description				Remark
C771	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C774	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C775	1-126-964-11	ELECT	10uF	20%	50V	
C1101	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1102	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	
C1105	1-126-947-11	ELECT	47uF	20%	35V	
C1106	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1110	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1112	1-128-994-21	ELECT CHIP	47uF	20%	10V	
C1113	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1114	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1115	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1117	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C1118	1-126-964-11	ELECT	10uF	20%	50V	
C1119	1-126-964-11	ELECT	10uF	20%	50V	
C1120	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
C1121	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
C1122	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
C1123	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
C1124	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	
C1125	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1126	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1127	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1128	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V	
C1130	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1131	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1132	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1133	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1135	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V	
C1136	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1137	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1138	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C1139	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C1140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1144	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1145	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C1146	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1147	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	
C1148	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	
C1149	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1150	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C1151	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C1152	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
C1153	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
C1154	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1155	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1156	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1157	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1158	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1160	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1161	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1162	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1163	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1164	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C1169	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1170	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C1171	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	

Ref. No.	Part No.	Description			Remark
C1172	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1173	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1174	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1175	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1176	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1177	1-126-947-11	ELECT	47uF	20%	35V
C1179	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1181	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1182	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1183	1-128-934-91	CERAMIC CHIP	0.33uF	20%	10V
C1184	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1186	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1187	1-126-947-11	ELECT	47uF	20%	35V
C1190	1-104-658-91	ELECT	100uF	20%	10V
C1191	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1192	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1193	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1195	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1197	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1198	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1199	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C1203	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1205	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C1206	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C1208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1209	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C1210	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1211	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C1212	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1213	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1214	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1215	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1217	1-126-947-11	ELECT	47uF	20%	35V
C1218	1-126-964-11	ELECT	10uF	20%	50V
C1219	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1220	1-126-964-11	ELECT	10uF	20%	50V
C1221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1223	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1224	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1225	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1226	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1233	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C1602	1-128-994-21	ELECT CHIP	47uF	20%	10V
C1603	1-128-994-21	ELECT CHIP	47uF	20%	10V
C1701	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1702	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1703	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1704	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1706	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1707	1-126-965-91	ELECT	22uF	20%	50V
C1709	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1710	1-126-964-11	ELECT	10uF	20%	50V
C1711	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1712	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1713	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V
C1714	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C1715	1-126-947-11	ELECT	47uF	20%	35V
C1716	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1717	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1718	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1719	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1720	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1723	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1725	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1727	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1729	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1730	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C1736	1-126-947-11	ELECT	47uF	20%	35V
C2102	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (DZ830W)
C2103	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2104	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2105	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2106	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2107	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2108	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2110	1-126-923-91	ELECT	220uF	20%	10V
C2111	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C2114	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2130	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3000	1-126-382-11	ELECT	100uF	20%	16V
C3001	1-126-947-11	ELECT	47uF	20%	35V
C3002	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3003	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3004	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3008	1-164-156-11	CERAMIC CHIP	0.1uF		25V (DZ830W)
C3011	1-126-947-11	ELECT	47uF	20%	35V
C3012	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3014	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3017	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3021	1-126-947-11	ELECT	47uF	20%	35V
C3022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3031	1-126-947-11	ELECT	47uF	20%	35V
C3032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C3038	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3051	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C3052	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3053	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (EXCEPT KR, MX, TW)
C3054	1-126-933-11	ELECT	100uF	20%	16V
C3055	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3056	1-126-923-91	ELECT	220uF	20%	10V
C3057	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3058	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C3059	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3060	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C3067	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3068	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3069	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3070	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3071	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3081	1-126-925-91	ELECT	470uF	20%	10V (DZ830W)
C3082	1-126-925-91	ELECT	470uF	20%	10V (DZ830W)
C3083	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DZ830W)
C3084	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DZ830W)
C3085	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DZ830W)
C3086	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DZ830W)
C3087	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DZ830W)
C3088	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DZ830W)
C3090	1-104-658-91	ELECT	100uF	20%	10V (DZ830W)
C3091	1-126-934-11	ELECT	220uF	20%	16V
C3092	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DZ830W)
C3093	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DZ830W)
C3094	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DZ830W)
C3095	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (DZ830W)
C3100	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3103	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3104	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3105	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3106	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3107	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3108	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3109	1-112-246-11	ELECT	100uF	20%	35V
C3112	1-112-246-11	ELECT	100uF	20%	35V
C3113	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3114	1-137-198-81	FILM	1uF	5%	50V
C3115	1-137-198-81	FILM	1uF	5%	50V
C3116	1-112-831-11	ELECT	2200uF	20%	35V
C3117	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V

Ref. No.	Part No.	Description			Remark
C3122	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3123	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3124	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3125	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3126	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3127	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3128	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3129	1-117-370-11	CERAMIC CHIP	10uF		10V
C3150	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3153	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3154	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3155	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3156	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3157	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3158	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3159	1-112-246-11	ELECT	100uF	20%	35V
C3162	1-112-246-11	ELECT	100uF	20%	35V
C3163	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3164	1-137-198-81	FILM	1uF	5%	50V
C3165	1-137-198-81	FILM	1uF	5%	50V
C3166	1-112-831-11	ELECT	2200uF	20%	35V
C3167	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3172	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3173	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3200	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3203	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3204	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3205	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3206	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3207	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3208	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3209	1-112-246-11	ELECT	100uF	20%	35V
C3212	1-112-246-11	ELECT	100uF	20%	35V
C3213	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3214	1-137-198-81	FILM	1uF	5%	50V
C3215	1-137-198-81	FILM	1uF	5%	50V
C3216	1-112-831-11	ELECT	2200uF	20%	35V
C3217	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3250	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3253	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3254	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3255	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3256	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3257	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3258	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3259	1-112-246-11	ELECT	100uF	20%	35V
C3262	1-112-246-11	ELECT	100uF	20%	35V
C3263	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3264	1-137-198-81	FILM	1uF	5%	50V
C3265	1-137-198-81	FILM	1uF	5%	50V
C3266	1-112-831-11	ELECT	2200uF	20%	35V
C3267	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3300	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3303	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3304	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3305	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3306	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3307	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V

Ref. No.	Part No.	Description			Remark
C3308	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3309	1-112-246-11	ELECT	100uF	20%	35V
C3312	1-112-246-11	ELECT	100uF	20%	35V
C3313	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3314	1-137-198-81	FILM	1uF	5%	50V
C3315	1-137-198-81	FILM	1uF	5%	50V
C3316	1-112-831-11	ELECT	2200uF	20%	35V
C3317	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3322	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3323	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3400	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3403	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3404	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3405	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3406	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3407	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3408	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3409	1-112-246-11	ELECT	100uF	20%	35V
C3412	1-112-246-11	ELECT	100uF	20%	35V
C3413	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3414	1-137-198-81	FILM	1uF	5%	50V
C3415	1-137-198-81	FILM	1uF	5%	50V
C3416	1-112-831-11	ELECT	2200uF	20%	35V
C3417	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3422	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3423	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3500	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3503	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3504	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3505	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C3506	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3507	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C3508	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3509	1-112-246-11	ELECT	100uF	20%	35V
C3512	1-112-246-11	ELECT	100uF	20%	35V
C3513	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3514	1-137-198-81	FILM	1uF	5%	50V
C3515	1-137-198-81	FILM	1uF	5%	50V
C3516	1-112-831-11	ELECT	2200uF	20%	35V
C3517	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C3551	1-126-960-11	ELECT	1uF	20%	50V
C3552	1-126-964-11	ELECT	10uF	20%	50V
C3553	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3556	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C3901	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3902	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3903	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3904	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3911	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C3912	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C3913	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C3914	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C9772	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN451	1-820-048-11	CONNECTOR (LIGHTING) (SP, E32, MX)			
CN502	1-778-692-51	CONNECTOR, FFC/FPC 21P			
CN503	1-784-368-51	CONNECTOR, FFC/FPC 9P			
CN512	1-506-469-11	PIN, CONNECTOR 4P			
CN603	1-784-382-51	CONNECTOR, FFC/FPC 25P (EXCEPT E32, MX)			
CN604	1-778-692-51	CONNECTOR, FFC/FPC 21P (E32, MX)			
CN651	1-779-279-11	CONNECTOR, FFC (LIF (NON-ZIF)) 11P			
CN702	1-779-273-11	CONNECTOR, FFC (LIF (NON-ZIF)) 5P			
CN703	1-820-872-11	CONNECTOR, BOARD TO BOARD 30P			
CN1101	1-815-763-32	CONNECTOR, FFC/FPC 24P			
* CN1105	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
* CN1201	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
CN1202	1-784-365-51	CONNECTOR, FFC/FPC 5P			
CN1701	1-820-735-11	HDMI CONNECTOR			
CN3000	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CN3001	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P (DZ830W)			
CN3002	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
CN4301	1-784-372-51	CONNECTOR, FFC/FPC 13P (DZ830W)			
CN4302	1-784-370-51	CONNECTOR, FFC/FPC 11P (DZ850KW)			
		< DIODE >			
D451	6-501-579-01	DIODE	MC2837 (DZ850KW)		
D453	6-501-579-01	DIODE	MC2837 (DZ850KW)		
D455	6-501-579-01	DIODE	MC2837 (DZ850KW)		
D456	6-501-579-01	DIODE	MC2837 (DZ850KW)		
D460	8-719-083-58	DIODE	UDZSTE-173.9B (SP, E32, MX)		
D501	6-501-193-01	DIODE	1SS355WTE-17		
D502	6-501-193-01	DIODE	1SS355WTE-17		
D504	6-501-193-01	DIODE	1SS355WTE-17		
D505	6-500-334-01	DIODE	MC2836-T112-1		
D506	6-501-193-01	DIODE	1SS355WTE-17 (KR, MX, TW)		
D701	6-501-579-01	DIODE	MC2837		
D3551	6-501-579-01	DIODE	MC2837		
D4111	6-501-696-01	DIODE	RSA39LATE25		
D4112	6-501-696-01	DIODE	RSA39LATE25		
D4151	6-501-696-01	DIODE	RSA39LATE25		
D4152	6-501-696-01	DIODE	RSA39LATE25		
D4201	6-501-696-01	DIODE	RSA39LATE25		
D4202	6-501-696-01	DIODE	RSA39LATE25		
D4251	6-501-696-01	DIODE	RSA39LATE25		
D4252	6-501-696-01	DIODE	RSA39LATE25		
D4301	6-501-696-01	DIODE	RSA39LATE25		
D4302	6-501-696-01	DIODE	RSA39LATE25		
D4401	6-501-696-01	DIODE	RSA39LATE25		
D4402	6-501-696-01	DIODE	RSA39LATE25		
D4501	6-501-696-01	DIODE	RSA39LATE25		
D4502	6-501-696-01	DIODE	RSA39LATE25		
D9712	6-501-193-01	DIODE	1SS355WTE-17		
		< FERRITE BEAD >			
FB504	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB505	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB506	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB507	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB508	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB509	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB510	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB1106	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB1107	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB1108	1-469-324-21	FERRITE, EMI (SMD) (2012)			

Ref. No.	Part No.	Description	Remark
FB1111	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB1112	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB1115	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB1123	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB1601	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB1602	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB1603	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB1701	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB1702	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB1703	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB2101	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB2103	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB2120	1-469-118-21	FERRITE, EMI (SMD) (1608)	
FB2121	1-469-118-21	FERRITE, EMI (SMD) (1608)	
FB2122	1-469-118-21	FERRITE, EMI (SMD) (1608)	
FB2123	1-469-118-21	FERRITE, EMI (SMD) (1608)	
FB2124	1-469-118-21	FERRITE, EMI (SMD) (1608)	
FB2125	1-469-118-21	FERRITE, EMI (SMD) (1608)	
FB3051	1-216-295-91	SHORT CHIP 0	
FB4512	1-400-244-11	BEAD, FERRITE (CHIP) (1608)	
		< FILTER >	
FL1111	1-234-494-21	FILTER, EMI REMOVAL (SMD)	
		< IC >	
IC451	8-759-710-97	IC NJM4565M-D (DZ850KW)	
IC452	8-759-700-07	IC NJM2903M (DZ850KW)	
IC453	8-759-700-07	IC NJM2903M (DZ850KW)	
IC454	8-759-100-96	IC uPC4558G2 (SP, E32, MX)	
IC501	6-807-124-01	IC M30626MHP-A68FPU0 (E32, MX)	
IC501	6-807-589-01	IC M30626MHP-B31FPU0 (EXCEPT E32, MX)	
IC502	6-702-302-01	IC TK11133CSCL-G (EXCEPT KR, MX, TW)	
IC502	6-705-312-01	IC S-T111B33MC-OGSTFG (KR, MX, TW)	
IC503	6-708-922-01	IC PST3635NR	
IC504	6-709-034-01	IC NJM2887DL3 (TE2)	
IC651	6-706-487-01	IC TC7SH08FU (T5RSOYJF) (EXCEPT KR, MX, TW)	
IC702	6-805-692-01	IC LC890561W	
IC772	6-710-554-01	IC PCM1808PWR	
IC1101	6-710-093-01	IC CXD9889R	
IC1102	6-807-251-01	IC S29AL032D70TF-OHE1-0701UC (E32)	
IC1102	6-807-252-01	IC S29AL032D70TF-OHE1-0701CE (EXCEPT SP, E32, KR, MX, TW)	
IC1102	6-807-253-01	IC S29AL032D70TF-OHE1-0701GA (SP)	
IC1102	6-807-666-01	IC S29AL032D70TF-OHE1-0705UC (MX)	
IC1102	6-807-668-01	IC S29AL032D70TF-OHE1-0705GA (KR, TW)	
IC1103	not supplied	IC BR24L64F-WE2	
IC1104	6-709-370-01	IC A2V64S40CTP-G75	
IC1105	6-702-302-01	IC TK11133CSCL-G	
IC1107	6-702-302-01	IC TK11133CSCL-G	
IC1110	6-707-739-01	IC MM1661JTRE	
IC1111	6-704-100-01	IC TC7PAU04FU (TE85R)	
IC1201	6-704-524-01	IC FAN8036L	
IC1701	6-708-682-01	IC CXD9873Q	
IC1702	6-702-300-01	IC TK11118CSCL-G	
IC1703	6-702-302-01	IC TK11133CSCL-G	
IC1705	8-759-592-47	IC TC7SZ08FU (TE85R)	
IC1707	6-705-337-01	IC TK11150CSCL-G	
IC3001	8-759-710-97	IC NJM4565M-D (DZ830W)	
IC3010	6-707-939-01	IC CXD9843AR	
IC3020	6-707-939-01	IC CXD9843AR	
IC3030	6-707-939-01	IC CXD9843AR	
IC3050	6-702-300-01	IC TK11118CSCL-G (EXCEPT KR, MX, TW)	
IC3050	6-705-311-01	IC S-T111B18MC-OGDTFG (KR, MX, TW)	
IC3051	6-706-492-01	IC TC7SHU04FU (T5RSOJF)	
IC3100	6-708-921-01	IC CXD9883M	
IC3150	6-708-921-01	IC CXD9883M	
IC3200	6-708-921-01	IC CXD9883M	
IC3250	6-708-921-01	IC CXD9883M	
IC3300	6-708-921-01	IC CXD9883M	
IC3400	6-708-921-01	IC CXD9883M	
IC3500	6-708-921-01	IC CXD9883M	
		< COIL >	
L701	1-414-754-11	INDUCTOR 10uH	
L702	1-414-754-11	INDUCTOR 10uH	
L703	1-414-754-11	INDUCTOR 10uH	
L3000	1-469-527-91	INDUCTOR 47uH	
L3051	1-414-754-11	INDUCTOR 10uH	
L3052	1-414-754-11	INDUCTOR 10uH	
L3053	1-414-754-11	INDUCTOR 10uH	
L3054	1-412-939-11	INDUCTOR 1uH	
L3111	1-456-680-11	INDUCTOR 10uH	
L3112	1-456-680-11	INDUCTOR 10uH	
L3151	1-456-680-11	INDUCTOR 10uH	
L3152	1-456-680-11	INDUCTOR 10uH	
L3201	1-456-680-11	INDUCTOR 10uH	
L3202	1-456-680-11	INDUCTOR 10uH	
L3251	1-456-680-11	INDUCTOR 10uH	
L3252	1-456-680-11	INDUCTOR 10uH	
L3301	1-456-680-11	INDUCTOR 10uH	
L3302	1-456-680-11	INDUCTOR 10uH	
L3401	1-456-680-11	INDUCTOR 10uH	
L3402	1-456-680-11	INDUCTOR 10uH	
L3501	1-456-680-11	INDUCTOR 10uH	
L3502	1-456-680-11	INDUCTOR 10uH	
L3901	1-457-077-11	AIR-CORE COIL	
L3902	1-457-078-11	AIR-CORE COIL	
L3903	1-457-077-11	AIR-CORE COIL	
L3904	1-457-078-11	AIR-CORE COIL	
		< TRANSISTOR >	
Q503	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q504	6-550-718-01	TRANSISTOR RSR025N03TL	
Q631	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF (EXCEPT KR, MX, TW)	
Q632	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF (EXCEPT KR, MX, TW)	
Q651	8-729-027-52	TRANSISTOR DTC124EKA-T146 (KR, MX, TW)	
Q652	8-729-027-52	TRANSISTOR DTC124EKA-T146 (KR, MX, TW)	
Q1101	6-550-008-01	TRANSISTOR UM6K1N-TN	
Q1102	6-550-653-01	TRANSISTOR QST8TR	
Q1103	8-729-027-52	TRANSISTOR DTC124EKA-T146	
Q1701	6-550-008-01	TRANSISTOR UM6K1N-TN	
Q3000	8-729-142-48	TRANSISTOR 2SD1616-TP-LK	
Q3001	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q3002	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q3081	8-729-027-23	TRANSISTOR DTA114EKA-T146 (DZ830W)	
Q3101	8-729-600-22	TRANSISTOR 2SA1235-F	
Q3102	8-729-600-22	TRANSISTOR 2SA1235-F	
Q3151	8-729-600-22	TRANSISTOR 2SA1235-F	
Q3152	8-729-600-22	TRANSISTOR 2SA1235-F	

Ref. No.	Part No.	Description			Remark
Q3201	8-729-600-22	TRANSISTOR	2SA1235-F		
Q3202	8-729-600-22	TRANSISTOR	2SA1235-F		
Q3251	8-729-600-22	TRANSISTOR	2SA1235-F		
Q3252	8-729-600-22	TRANSISTOR	2SA1235-F		
Q3301	8-729-600-22	TRANSISTOR	2SA1235-F		
Q3302	8-729-600-22	TRANSISTOR	2SA1235-F		
Q3401	8-729-600-22	TRANSISTOR	2SA1235-F		
Q3402	8-729-600-22	TRANSISTOR	2SA1235-F		
Q3551	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q3552	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q3553	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q9724	8-729-026-53	TRANSISTOR	2SA1576A-T106-QR		
Q9726	8-729-905-35	TRANSISTOR	2SC4081-R		
Q9728	8-729-905-35	TRANSISTOR	2SC4081-R		
Q9729	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R146	1-216-805-11	METAL CHIP	47	5%	1/10W
R451	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ850KW)
R452	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ850KW)
R453	1-216-845-11	METAL CHIP	100K	5%	1/10W (DZ850KW)
R454	1-216-845-11	METAL CHIP	100K	5%	1/10W (DZ850KW)
R455	1-216-821-11	METAL CHIP	1K	5%	1/10W (DZ850KW)
R456	1-216-853-11	METAL CHIP	470K	5%	1/10W (DZ850KW)
R457	1-216-821-11	METAL CHIP	1K	5%	1/10W (DZ850KW)
R458	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R459	1-216-841-11	METAL CHIP	47K	5%	1/10W (DZ850KW)
R460	1-216-851-11	METAL CHIP	330K	5%	1/10W (DZ850KW)
R461	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (DZ850KW)
R462	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (DZ850KW)
R463	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (DZ850KW)
R464	1-216-841-11	METAL CHIP	47K	5%	1/10W (DZ850KW)
R465	1-216-837-11	METAL CHIP	22K	5%	1/10W (DZ850KW)
R466	1-216-842-11	METAL CHIP	56K	5%	1/10W (DZ850KW)
R467	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (DZ850KW)
R469	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ850KW)
R470	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ850KW)
R471	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (DZ850KW)
R473	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ850KW)
R474	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ850KW)
R476	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ850KW)
R477	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ850KW)

Ref. No.	Part No.	Description			Remark
R479	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ850KW)
R480	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R481	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R482	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R483	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R484	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R487	1-216-809-11	METAL CHIP	100	5%	1/10W (SP, E32, MX)
R488	1-216-845-11	METAL CHIP	100K	5%	1/10W (SP, E32, MX)
⚠R489	1-260-320-11	CARBON	220	5%	1/2W F (SP, E32, MX)
R490	1-216-842-11	METAL CHIP	56K	5%	1/10W (SP, E32, MX)
R491	1-216-817-11	METAL CHIP	470	5%	1/10W (SP, E32, MX)
R492	1-216-839-11	METAL CHIP	33K	5%	1/10W (SP, E32, MX)
R493	1-216-845-11	METAL CHIP	100K	5%	1/10W (SP, E32, MX)
R494	1-216-864-11	SHORT CHIP	0 (E3, KR, TW, AUS)		
R501	1-216-857-11	METAL CHIP	1M	5%	1/10W
R504	1-216-821-11	METAL CHIP	1K	5%	1/10W (SP, TW)
R504	1-216-833-11	METAL CHIP	10K	5%	1/10W (E3, KR, MX)
R504	1-216-835-11	METAL CHIP	15K	5%	1/10W (AUS)
R504	1-216-841-11	METAL CHIP	47K	5%	1/10W (E32, KR, MX)
R505	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ830W)
R505	1-216-833-11	METAL CHIP	10K	5%	1/10W (E32, MX)
R505	1-216-835-11	METAL CHIP	15K	5%	1/10W (KR)
R505	1-216-841-11	METAL CHIP	47K	5%	1/10W (E3, AUS)
R506	1-216-841-11	METAL CHIP	47K	5%	1/10W
R507	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ850KW)
R507	1-216-837-11	METAL CHIP	22K	5%	1/10W (DZ830W)
R508	1-216-821-11	METAL CHIP	1K	5%	1/10W
R509	1-216-809-11	METAL CHIP	100	5%	1/10W
R510	1-216-833-11	METAL CHIP	10K	5%	1/10W
R511	1-216-821-11	METAL CHIP	1K	5%	1/10W
R512	1-216-833-11	METAL CHIP	10K	5%	1/10W
R513	1-216-821-11	METAL CHIP	1K	5%	1/10W
R514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R515	1-216-821-11	METAL CHIP	1K	5%	1/10W
R516	1-216-821-11	METAL CHIP	1K	5%	1/10W
R517	1-216-809-11	METAL CHIP	100	5%	1/10W
R518	1-216-809-11	METAL CHIP	100	5%	1/10W
R519	1-216-833-11	METAL CHIP	10K	5%	1/10W
R522	1-216-833-11	METAL CHIP	10K	5%	1/10W
R524	1-216-833-11	METAL CHIP	10K	5%	1/10W
R526	1-216-821-11	METAL CHIP	1K	5%	1/10W
R527	1-216-833-11	METAL CHIP	10K	5%	1/10W
R528	1-216-833-11	METAL CHIP	10K	5%	1/10W
R529	1-216-821-11	METAL CHIP	1K	5%	1/10W
R530	1-216-809-11	METAL CHIP	100	5%	1/10W
R531	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R532	1-216-821-11	METAL CHIP	1K	5%	1/10W
R533	1-216-809-11	METAL CHIP	100	5%	1/10W
R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R535	1-216-809-11	METAL CHIP	100	5%	1/10W
R536	1-216-864-11	SHORT CHIP	0		
R539	1-216-833-11	METAL CHIP	10K	5%	1/10W
R540	1-216-833-11	METAL CHIP	10K	5%	1/10W
R542	1-216-833-11	METAL CHIP	10K	5%	1/10W
R546	1-216-833-11	METAL CHIP	10K	5%	1/10W
				(EXCEPT KR, MX, TW)	
R547	1-216-864-11	SHORT CHIP	0		
R548	1-216-864-11	SHORT CHIP	0		
R550	1-216-821-11	METAL CHIP	1K	5%	1/10W
R552	1-216-821-11	METAL CHIP	1K	5%	1/10W
R553	1-216-833-11	METAL CHIP	10K	5%	1/10W
				(EXCEPT E32, MX)	
R554	1-216-833-11	METAL CHIP	10K	5%	1/10W
R555	1-216-833-11	METAL CHIP	10K	5%	1/10W
R556	1-216-841-11	METAL CHIP	47K	5%	1/10W
R557	1-216-841-11	METAL CHIP	47K	5%	1/10W
R558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R559	1-216-833-11	METAL CHIP	10K	5%	1/10W
R560	1-216-833-11	METAL CHIP	10K	5%	1/10W
					(DZ850KW)
R561	1-216-845-11	METAL CHIP	100K	5%	1/10W
R562	1-216-841-11	METAL CHIP	47K	5%	1/10W
R563	1-216-833-11	METAL CHIP	10K	5%	1/10W
R564	1-216-864-11	SHORT CHIP	0		
R565	1-216-864-11	SHORT CHIP	0		
R566	1-216-864-11	SHORT CHIP	0		
R567	1-216-864-11	SHORT CHIP	0		
R568	1-216-864-11	SHORT CHIP	0		
R569	1-216-864-11	SHORT CHIP	0		
R572	1-218-751-11	METAL CHIP	300K	0.5%	1/10W
R573	1-216-845-11	METAL CHIP	100K	5%	1/10W
R575	1-216-821-11	METAL CHIP	1K	5%	1/10W
R576	1-216-821-11	METAL CHIP	1K	5%	1/10W
R577	1-216-841-11	METAL CHIP	47K	5%	1/10W
R578	1-216-809-11	METAL CHIP	100	5%	1/10W
R579	1-216-821-11	METAL CHIP	1K	5%	1/10W
R580	1-216-809-11	METAL CHIP	100	5%	1/10W
R581	1-216-809-11	METAL CHIP	100	5%	1/10W
R582	1-216-864-11	SHORT CHIP	0		
R583	1-216-841-11	METAL CHIP	47K	5%	1/10W
R586	1-216-833-11	METAL CHIP	10K	5%	1/10W
R587	1-216-833-11	METAL CHIP	10K	5%	1/10W
R589	1-216-295-91	SHORT CHIP	0		
R590	1-216-295-91	SHORT CHIP	0		
R591	1-216-864-11	SHORT CHIP	0		
R593	1-216-833-11	METAL CHIP	10K	5%	1/10W
R595	1-216-833-11	METAL CHIP	10K	5%	1/10W
R596	1-216-295-91	SHORT CHIP	0		
R597	1-216-295-91	SHORT CHIP	0		
R598	1-216-296-11	SHORT CHIP	0		
R599	1-216-295-91	SHORT CHIP	0		
R601	1-216-864-11	SHORT CHIP	0		
R602	1-216-809-11	METAL CHIP	100	5%	1/10W
R603	1-216-809-11	METAL CHIP	100	5%	1/10W
R604	1-216-809-11	METAL CHIP	100	5%	1/10W
R605	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R606	1-216-809-11	METAL CHIP	100	5%	1/10W
R607	1-216-809-11	METAL CHIP	100	5%	1/10W
R608	1-216-809-11	METAL CHIP	100	5%	1/10W
R609	1-216-809-11	METAL CHIP	100	5%	1/10W
R610	1-216-809-11	METAL CHIP	100	5%	1/10W
R611	1-216-809-11	METAL CHIP	100	5%	1/10W
R612	1-216-809-11	METAL CHIP	100	5%	1/10W
					(DZ830W)
R613	1-216-809-11	METAL CHIP	100	5%	1/10W
R614	1-216-809-11	METAL CHIP	100	5%	1/10W
R615	1-216-809-11	METAL CHIP	100	5%	1/10W
R626	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R631	1-216-833-11	METAL CHIP	10K	5%	1/10W
				(EXCEPT KR, MX, TW)	
R632	1-216-841-11	METAL CHIP	47K	5%	1/10W
				(EXCEPT KR, MX, TW)	
R636	1-216-864-11	SHORT CHIP	0		
R637	1-216-809-11	METAL CHIP	100	5%	1/10W
R638	1-216-809-11	METAL CHIP	100	5%	1/10W
R639	1-216-809-11	METAL CHIP	100	5%	1/10W
				(EXCEPT E32, MX)	
R640	1-216-809-11	METAL CHIP	100	5%	1/10W
R641	1-216-809-11	METAL CHIP	100	5%	1/10W
R642	1-216-809-11	METAL CHIP	100	5%	1/10W
R644	1-216-809-11	METAL CHIP	100	5%	1/10W
R645	1-216-809-11	METAL CHIP	100	5%	1/10W
R651	1-216-809-11	METAL CHIP	100	5%	1/10W
R652	1-216-809-11	METAL CHIP	100	5%	1/10W
R653	1-216-809-11	METAL CHIP	100	5%	1/10W
R654	1-216-809-11	METAL CHIP	100	5%	1/10W
R655	1-216-809-11	METAL CHIP	100	5%	1/10W
R656	1-216-809-11	METAL CHIP	100	5%	1/10W
R657	1-216-809-11	METAL CHIP	100	5%	1/10W
R658	1-216-809-11	METAL CHIP	100	5%	1/10W
R659	1-216-809-11	METAL CHIP	100	5%	1/10W
R660	1-216-833-11	METAL CHIP	10K	5%	1/10W
					(KR, MX, TW)
R661	1-216-833-11	METAL CHIP	10K	5%	1/10W
					(KR, MX, TW)
R713	1-216-864-11	SHORT CHIP	0		
R716	1-216-813-11	METAL CHIP	220	5%	1/10W
R717	1-216-809-11	METAL CHIP	100	5%	1/10W
R718	1-216-809-11	METAL CHIP	100	5%	1/10W
R719	1-216-809-11	METAL CHIP	100	5%	1/10W
R721	1-216-864-11	SHORT CHIP	0		
R722	1-216-809-11	METAL CHIP	100	5%	1/10W
R723	1-216-809-11	METAL CHIP	100	5%	1/10W
R724	1-216-809-11	METAL CHIP	100	5%	1/10W
R725	1-216-805-11	METAL CHIP	47	5%	1/10W
R726	1-216-809-11	METAL CHIP	100	5%	1/10W
R727	1-216-805-11	METAL CHIP	47	5%	1/10W
R728	1-216-864-11	SHORT CHIP	0		
R729	1-216-805-11	METAL CHIP	47	5%	1/10W
R730	1-216-809-11	METAL CHIP	100	5%	1/10W
R731	1-216-821-11	METAL CHIP	1K	5%	1/10W
R732	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R733	1-216-857-11	METAL CHIP	1M	5%	1/10W
R734	1-216-809-11	METAL CHIP	100	5%	1/10W
R735	1-216-809-11	METAL CHIP	100	5%	1/10W
R736	1-216-809-11	METAL CHIP	100	5%	1/10W
R738	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R739	1-216-809-11	METAL CHIP	100	5%	1/10W
R740	1-216-809-11	METAL CHIP	100	5%	1/10W
R741	1-216-809-11	METAL CHIP	100	5%	1/10W
R770	1-216-809-11	METAL CHIP	100	5%	1/10W
R771	1-216-809-11	METAL CHIP	100	5%	1/10W
R775	1-216-801-11	METAL CHIP	22	5%	1/10W
R776	1-216-801-11	METAL CHIP	22	5%	1/10W
R777	1-216-801-11	METAL CHIP	22	5%	1/10W
R778	1-216-864-11	SHORT CHIP	0		
R780	1-216-805-11	METAL CHIP	47	5%	1/10W
R781	1-216-805-11	METAL CHIP	47	5%	1/10W
R786	1-216-295-91	SHORT CHIP	0		
R790	1-216-864-11	SHORT CHIP	0		
R792	1-216-864-11	SHORT CHIP	0		
R1101	1-216-809-11	METAL CHIP	100	5%	1/10W
R1102	1-216-295-91	SHORT CHIP	0		
R1103	1-216-864-11	SHORT CHIP	0		
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1106	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1107	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1108	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1109	1-216-864-11	SHORT CHIP	0		
R1110	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1111	1-216-809-11	METAL CHIP	100	5%	1/10W
R1112	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R1113	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R1114	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1115	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R1116	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1117	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1118	1-216-801-11	METAL CHIP	22	5%	1/10W
R1120	1-216-801-11	METAL CHIP	22	5%	1/10W
R1121	1-216-801-11	METAL CHIP	22	5%	1/10W
R1123	1-216-864-11	SHORT CHIP	0		
R1124	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1126	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1132	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1133	1-216-864-11	SHORT CHIP	0		
R1134	1-216-864-11	SHORT CHIP	0 (DZ830W)		
R1135	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1136	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1137	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R1138	1-216-809-11	METAL CHIP	100	5%	1/10W
R1139	1-216-864-11	SHORT CHIP	0		
R1140	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1141	1-216-855-11	METAL CHIP	680K	5%	1/10W
R1142	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1145	1-216-864-11	SHORT CHIP	0		
R1147	1-216-864-11	SHORT CHIP	0		
R1148	1-216-864-11	SHORT CHIP	0		
R1151	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1152	1-216-864-11	SHORT CHIP	0		
R1153	1-216-864-11	SHORT CHIP	0		
R1154	1-216-864-11	SHORT CHIP	0		
R1155	1-216-864-11	SHORT CHIP	0		
R1156	1-216-809-11	METAL CHIP	100	5%	1/10W
R1159	1-216-805-11	METAL CHIP	47	5%	1/10W
R1160	1-216-805-11	METAL CHIP	47	5%	1/10W
R1161	1-216-805-11	METAL CHIP	47	5%	1/10W
R1169	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1170	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ830W)
R1171	1-216-809-11	METAL CHIP	100	5%	1/10W
R1175	1-216-864-11	SHORT CHIP	0		
R1183	1-216-805-11	METAL CHIP	47	5%	1/10W
R1184	1-216-805-11	METAL CHIP	47	5%	1/10W
R1185	1-216-805-11	METAL CHIP	47	5%	1/10W
R1191	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1193	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1204	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R1205	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1206	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1207	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R1208	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1209	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1210	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1212	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1213	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1214	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1215	1-216-834-11	METAL CHIP	12K	5%	1/10W
R1216	1-216-834-11	METAL CHIP	12K	5%	1/10W
R1219	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1220	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1221	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R1222	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1223	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R1224	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1225	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R1226	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R1227	1-216-864-11	SHORT CHIP	0		
R1228	1-216-864-11	SHORT CHIP	0		
R1230	1-218-893-11	METAL CHIP	82K	0.5%	1/10W
R1231	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R1232	1-218-877-11	METAL CHIP	18K	0.5%	1/10W
R1233	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R1234	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1236	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1237	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1238	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1239	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1243	1-216-809-11	METAL CHIP	100	5%	1/10W
R1246	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1247	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1601	1-216-295-91	SHORT CHIP	0		
R1602	1-216-295-91	SHORT CHIP	0		
R1603	1-216-295-91	SHORT CHIP	0		
R1604	1-216-295-91	SHORT CHIP	0		
R1605	1-216-296-11	SHORT CHIP	0		
R1606	1-216-295-91	SHORT CHIP	0		
R1701	1-216-809-11	METAL CHIP	100	5%	1/10W
R1702	1-216-864-11	SHORT CHIP	0		
R1703	1-216-864-11	SHORT CHIP	0		
R1704	1-216-809-11	METAL CHIP	100	5%	1/10W
R1705	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1706	1-216-864-11	SHORT CHIP	0		

MAIN

Ref. No.	Part No.	Description			Remark
R1707	1-216-864-11	SHORT CHIP	0		
R1712	1-216-809-11	METAL CHIP	100	5%	1/10W
R1713	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R1714	1-216-864-11	SHORT CHIP	0		
R1721	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1722	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1723	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1726	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1727	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1728	1-216-864-11	SHORT CHIP	0		
R1730	1-218-840-11	METAL CHIP	510	0.5%	1/10W
R1731	1-216-864-11	SHORT CHIP	0		
R1734	1-216-864-11	SHORT CHIP	0		
R1736	1-216-864-11	SHORT CHIP	0		
R1738	1-216-864-11	SHORT CHIP	0		
R1740	1-216-864-11	SHORT CHIP	0		
R1742	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1744	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1746	1-216-864-11	SHORT CHIP	0		
R1747	1-216-864-11	SHORT CHIP	0		
R1748	1-216-864-11	SHORT CHIP	0		
R1749	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R1750	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R1751	1-216-864-11	SHORT CHIP	0		
R1752	1-216-864-11	SHORT CHIP	0		
R1753	1-216-864-11	SHORT CHIP	0		
R1756	1-216-864-11	SHORT CHIP	0		
R1757	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1758	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1759	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1783	1-216-864-11	SHORT CHIP	0		
R1784	1-216-864-11	SHORT CHIP	0		
R1785	1-216-864-11	SHORT CHIP	0		
R1786	1-216-864-11	SHORT CHIP	0		
R1788	1-216-864-11	SHORT CHIP	0		
R1791	1-216-864-11	SHORT CHIP	0		
R1793	1-216-864-11	SHORT CHIP	0		
R2101	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R2103	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R2104	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2107	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ830W)
R2108	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R2110	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R2111	1-216-821-11	METAL CHIP	1K	5%	1/10W (DZ850KW)
R2112	1-216-821-11	METAL CHIP	1K	5%	1/10W (DZ850KW)
R2113	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ830W)
R2114	1-216-801-11	METAL CHIP	22	5%	1/10W
R2115	1-216-864-11	SHORT CHIP	0		
R2118	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ830W)
R2119	1-216-864-11	SHORT CHIP	0		
R2126	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2127	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2128	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2129	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2133	1-216-864-11	SHORT CHIP	0		
R2134	1-216-864-11	SHORT CHIP	0		
R2135	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2150	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2151	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2152	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2161	1-216-809-11	METAL CHIP	100	5%	1/10W
R2167	1-216-864-11	SHORT CHIP	0		
R2168	1-216-813-11	METAL CHIP	220	5%	1/10W
R2169	1-216-809-11	METAL CHIP	100	5%	1/10W
R2176	1-216-864-11	SHORT CHIP	0		
R2177	1-216-809-11	METAL CHIP	100	5%	1/10W
R2178	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2179	1-216-809-11	METAL CHIP	100	5%	1/10W
R2182	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R2183	1-216-809-11	METAL CHIP	100	5%	1/10W
R2184	1-216-809-11	METAL CHIP	100	5%	1/10W
R2185	1-216-809-11	METAL CHIP	100	5%	1/10W
R2186	1-216-864-11	SHORT CHIP	0		
R2187	1-216-805-11	METAL CHIP	47	5%	1/10W
R2188	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R2191	1-216-809-11	METAL CHIP	100	5%	1/10W
R2505	1-216-864-11	SHORT CHIP	0		
R2506	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ850KW)
R2507	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ850KW)
R2705	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2706	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2711	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R2712	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R2713	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R2714	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R2715	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R2716	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R2717	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R2718	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R2751	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3001	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3002	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3003	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3004	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R3006	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3011	1-216-817-11	METAL CHIP	470	5%	1/10W
R3012	1-216-817-11	METAL CHIP	470	5%	1/10W
R3013	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3014	1-216-805-11	METAL CHIP	47	5%	1/10W
R3015	1-216-805-11	METAL CHIP	47	5%	1/10W
R3017	1-216-805-11	METAL CHIP	47	5%	1/10W
R3021	1-216-817-11	METAL CHIP	470	5%	1/10W
R3022	1-216-817-11	METAL CHIP	470	5%	1/10W
R3023	1-216-805-11	METAL CHIP	47	5%	1/10W
R3024	1-216-805-11	METAL CHIP	47	5%	1/10W
R3026	1-216-805-11	METAL CHIP	47	5%	1/10W
R3031	1-216-817-11	METAL CHIP	470	5%	1/10W
R3032	1-216-817-11	METAL CHIP	470	5%	1/10W
R3033	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3034	1-216-805-11	METAL CHIP	47	5%	1/10W
R3035	1-216-805-11	METAL CHIP	47	5%	1/10W
R3037	1-216-805-11	METAL CHIP	47	5%	1/10W
R3040	1-216-864-11	SHORT CHIP	0		
R3041	1-216-864-11	SHORT CHIP	0		
R3042	1-216-864-11	SHORT CHIP	0		
R3043	1-216-864-11	SHORT CHIP	0		
R3044	1-216-864-11	SHORT CHIP	0		
R3045	1-216-864-11	SHORT CHIP	0		
R3046	1-216-864-11	SHORT CHIP	0		
R3050	1-216-864-11	SHORT CHIP	0 (DZ830W)		
R3051	1-216-097-11	RES-CHIP	100K	5%	1/10W
R3052	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3053	1-216-809-11	METAL CHIP	100	5%	1/10W
R3054	1-216-801-11	METAL CHIP	22	5%	1/10W
R3055	1-216-809-11	METAL CHIP	100	5%	1/10W
R3057	1-216-809-11	METAL CHIP	100	5%	1/10W
R3059	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3060	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3061	1-216-864-11	SHORT CHIP	0		
R3062	1-216-809-11	METAL CHIP	100	5%	1/10W (DZ830W)
R3063	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3064	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3065	1-216-809-11	METAL CHIP	100	5%	1/10W
R3066	1-216-809-11	METAL CHIP	100	5%	1/10W
R3067	1-216-809-11	METAL CHIP	100	5%	1/10W
R3068	1-216-809-11	METAL CHIP	100	5%	1/10W
R3069	1-216-809-11	METAL CHIP	100	5%	1/10W
R3070	1-216-809-11	METAL CHIP	100	5%	1/10W
R3071	1-216-809-11	METAL CHIP	100	5%	1/10W
R3072	1-216-809-11	METAL CHIP	100	5%	1/10W
R3073	1-216-809-11	METAL CHIP	100	5%	1/10W
R3074	1-216-805-11	METAL CHIP	47	5%	1/10W
R3075	1-216-805-11	METAL CHIP	47	5%	1/10W
R3076	1-216-805-11	METAL CHIP	47	5%	1/10W
R3081	1-216-864-11	SHORT CHIP	0		
R3085	1-216-839-11	METAL CHIP	33K	5%	1/10W (DZ830W)
R3086	1-216-839-11	METAL CHIP	33K	5%	1/10W (DZ830W)
R3087	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ830W)
R3088	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ830W)
R3089	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ830W)
R3090	1-216-833-11	METAL CHIP	10K	5%	1/10W (DZ830W)
R3091	1-216-837-11	METAL CHIP	22K	5%	1/10W (DZ830W)
R3092	1-216-837-11	METAL CHIP	22K	5%	1/10W (DZ830W)
R3093	1-216-837-11	METAL CHIP	22K	5%	1/10W (DZ830W)
R3094	1-216-837-11	METAL CHIP	22K	5%	1/10W (DZ830W)
R3095	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (DZ830W)
R3096	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DZ830W)
R3098	1-216-839-11	METAL CHIP	33K	5%	1/10W (DZ830W)
R3099	1-216-839-11	METAL CHIP	33K	5%	1/10W (DZ830W)
R3101	1-216-809-11	METAL CHIP	100	5%	1/10W
R3102	1-216-809-11	METAL CHIP	100	5%	1/10W
R3103	1-216-864-11	SHORT CHIP	0		
R3104	1-216-864-11	SHORT CHIP	0		
R3107	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3115	1-216-864-11	SHORT CHIP	0		
R3116	1-216-864-11	SHORT CHIP	0		
R3125	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3126	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3127	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3151	1-216-809-11	METAL CHIP	100	5%	1/10W
R3152	1-216-809-11	METAL CHIP	100	5%	1/10W
R3153	1-216-864-11	SHORT CHIP	0		
R3154	1-216-864-11	SHORT CHIP	0		
R3157	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3165	1-216-864-11	SHORT CHIP	0		
R3166	1-216-864-11	SHORT CHIP	0		
R3175	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3176	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3177	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3201	1-216-809-11	METAL CHIP	100	5%	1/10W
R3202	1-216-809-11	METAL CHIP	100	5%	1/10W
R3203	1-216-864-11	SHORT CHIP	0		
R3204	1-216-864-11	SHORT CHIP	0		
R3207	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3215	1-216-864-11	SHORT CHIP	0		
R3216	1-216-864-11	SHORT CHIP	0		
R3225	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3226	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3227	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3251	1-216-809-11	METAL CHIP	100	5%	1/10W
R3252	1-216-809-11	METAL CHIP	100	5%	1/10W
R3253	1-216-864-11	SHORT CHIP	0		
R3254	1-216-864-11	SHORT CHIP	0		
R3257	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3265	1-216-864-11	SHORT CHIP	0		
R3266	1-216-864-11	SHORT CHIP	0		
R3275	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3276	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3277	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3301	1-216-809-11	METAL CHIP	100	5%	1/10W
R3302	1-216-809-11	METAL CHIP	100	5%	1/10W
R3303	1-216-864-11	SHORT CHIP	0		
R3304	1-216-864-11	SHORT CHIP	0		
R3307	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3315	1-216-864-11	SHORT CHIP	0		
R3316	1-216-864-11	SHORT CHIP	0		
R3325	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3326	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3327	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3401	1-216-809-11	METAL CHIP	100	5%	1/10W
R3402	1-216-809-11	METAL CHIP	100	5%	1/10W

MAIN **MS-203**

Ref. No.	Part No.	Description			Remark
R3403	1-216-864-11	SHORT CHIP	0		
R3404	1-216-864-11	SHORT CHIP	0		
R3407	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3415	1-216-864-11	SHORT CHIP	0		
R3416	1-216-864-11	SHORT CHIP	0		
R3425	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3426	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3427	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3501	1-216-809-11	METAL CHIP	100	5%	1/10W
R3502	1-216-809-11	METAL CHIP	100	5%	1/10W
R3503	1-216-864-11	SHORT CHIP	0		
R3504	1-216-864-11	SHORT CHIP	0		
R3507	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3515	1-216-864-11	SHORT CHIP	0		
R3516	1-216-864-11	SHORT CHIP	0		
R3551	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3552	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3553	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3554	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3555	1-216-864-11	SHORT CHIP	0		
R3556	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3557	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3901	1-216-296-11	SHORT CHIP	0		
R3902	1-216-296-11	SHORT CHIP	0		
R3905	1-216-296-11	SHORT CHIP	0		
R3906	1-216-296-11	SHORT CHIP	0		
R3907	1-216-864-11	SHORT CHIP	0		
R3911	1-216-864-11	SHORT CHIP	0		
R3912	1-216-864-11	SHORT CHIP	0		
R3913	1-216-864-11	SHORT CHIP	0		
R3914	1-216-864-11	SHORT CHIP	0		
R3917	1-216-864-11	SHORT CHIP	0		
R3918	1-216-864-11	SHORT CHIP	0		
R3919	1-216-864-11	SHORT CHIP	0		
R3920	1-216-864-11	SHORT CHIP	0		
R3921	1-216-864-11	SHORT CHIP	0		
R4002	1-216-864-11	SHORT CHIP	0		
R4308	1-216-864-11	SHORT CHIP	0 (DZ830W)		
R4501	1-216-801-11	METAL CHIP	22	5%	1/10W
R4502	1-216-801-11	METAL CHIP	22	5%	1/10W
R4503	1-216-864-11	SHORT CHIP	0		
R4504	1-216-864-11	SHORT CHIP	0		
R4505	1-216-864-11	SHORT CHIP	0		
R4506	1-216-864-11	SHORT CHIP	0		
R4507	1-216-864-11	SHORT CHIP	0		
R4508	1-216-864-11	SHORT CHIP	0		
R4510	1-216-805-11	METAL CHIP	47	5%	1/10W
R4511	1-216-805-11	METAL CHIP	47	5%	1/10W
R4514	1-216-805-11	METAL CHIP	47	5%	1/10W
R4515	1-216-805-11	METAL CHIP	47	5%	1/10W
R4516	1-216-805-11	METAL CHIP	47	5%	1/10W
R4521	1-216-864-11	SHORT CHIP	0		
R4701	1-216-864-11	SHORT CHIP	0		
R4702	1-216-864-11	SHORT CHIP	0		
R4703	1-216-864-11	SHORT CHIP	0		
R4704	1-216-864-11	SHORT CHIP	0		
R4705	1-216-864-11	SHORT CHIP	0		
R4706	1-216-864-11	SHORT CHIP	0		
R4717	1-216-864-11	SHORT CHIP	0 (DZ850KW)		
R4718	1-216-864-11	SHORT CHIP	0		
R4805	1-216-801-11	METAL CHIP	22	5%	1/10W
R9918	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9920	1-216-864-11	SHORT CHIP	0		
R9922	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9924	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9928	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9929	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9934	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9935	1-216-864-11	SHORT CHIP	0		
R9941	1-216-838-11	METAL CHIP	27K	5%	1/10W
R9945	1-216-813-11	METAL CHIP	220	5%	1/10W
		< NETWORK RESISTER >			
RB1103	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB1104	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB1105	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB1106	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB1107	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB1108	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB1109	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB1110	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB1111	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB1112	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB1113	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB1114	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB1115	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB1116	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB1117	1-234-371-21	RES, NETWORK	47 (1005X4)		
RB1701	1-234-378-21	RES, NETWORK	10K (1005X4)		
RB1702	1-234-378-21	RES, NETWORK	10K (1005X4)		
RB1711	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB1712	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
		< TERMINAL >			
TB3901	1-780-453-11	TERMINAL BOARD (SPEAKER) 2P (SPEAKER CENTER/WOOFER)			
		< VIBRATOR >			
X501	1-795-058-21	VIBRATOR, CERAMIC (5MHz)			
X701	1-795-843-11	VIBRATOR, CRYSTAL (12.288MHz)			
X1101	1-795-630-11	VIBRATOR, CRYSTAL (27MHz)			
X3051	1-795-660-21	QUARTZ CRYSTAL UNIT (49.152MHz)			
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		MS-203 BOARD			
		**********			
		< CONNECTOR >			
CN001	1-815-412-11	CONNECTOR, FFC/FPC 5P			
		< SWITCH >			
S001	1-786-693-11	SWITCH, DETECTION (CHUCK/TRAY DETECT)			
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Ref. No.	Part No.	Description			Remark
	A-1221-034-A	POWER BOARD, COMPLETE (E3, KR, SP, AUS)			
	A-1228-781-A	POWER BOARD, COMPLETE (DZ830W)			
	A-1257-150-A	POWER BOARD, COMPLETE (E32)			
	A-1259-922-A	POWER BOARD, COMPLETE (TW)			
	A-1271-069-A	POWER BOARD, COMPLETE (MX)			
		**********			
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3			
		< CAPACITOR >			
⚠C901	1-165-529-11	MYLAR	0.22uF	10	275V
⚠C902	1-165-529-11	MYLAR	0.22uF	10	275V
⚠C903	1-112-330-11	ELECT (BLOCK)	1000uF	20%	200V (TW)
⚠C903	1-112-331-11	ELECT (BLOCK)	1000uF	20%	250V (MX)
⚠C903	1-112-333-11	ELECT (BLOCK)	330uF	20%	450V (E3, E32, KR, SP, AUS)
⚠C903	1-114-346-11	ELECT (BLOCK)	330uF	20%	400V (DZ830W)
⚠C905	1-112-334-91	FILM	0.01uF	5%	400V (MX, TW)
⚠C905	1-112-335-91	FILM	0.0033uF	5%	400V (EXCEPT MX, TW)
⚠C906	1-117-815-11	FILM	1000PF	3%	1.5KV (EXCEPT MX, TW)
⚠C907	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (EXCEPT MX, TW)
⚠C907	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V (MX, TW)
⚠C908	1-104-962-91	ELECT	47uF	20%	35V
⚠C909	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
⚠C910	1-107-906-11	ELECT	10uF	20%	50V (MX, TW)
⚠C910	1-107-907-11	ELECT	22uF	20%	50V (EXCEPT E32, MX, TW)
⚠C911	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
⚠C913	1-117-693-11	CERAMIC	100PF	10%	250V
⚠C918	1-113-925-11	CERAMIC	0.01uF	20%	250V
⚠C920	1-113-925-11	CERAMIC	0.01uF	20%	250V
⚠C922	1-128-560-11	ELECT	22uF	20%	100V
⚠C923	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
⚠C924	1-126-961-11	ELECT	2.2uF	20%	50V
⚠C925	1-107-974-81	CERAMIC	47PF	5%	2KV
⚠C928	1-117-695-51	CERAMIC	220PF	10%	250V (MX, TW)
⚠C929	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
⚠C930	1-117-693-11	CERAMIC	100PF	10%	250V
C932	1-100-924-21	ELECT	2200uF	20%	35V
C933	1-100-924-21	ELECT	2200uF	20%	35V
C934	1-112-831-11	ELECT	2200uF	20%	35V
C934	1-126-953-11	ELECT	2200uF	20%	35V (DZ830W)
C935	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C936	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C937	1-100-756-91	CERAMIC CHIP	0.047uF		50V
⚠C938	1-117-696-51	CERAMIC	330PF	10%	250V (MX, TW)
⚠C938	1-117-697-51	CERAMIC	470PF	10%	250V (EXCEPT MX, TW)
C939	1-136-165-00	FILM	0.1uF	5%	50V
C940	1-128-947-31	ELECT	3300uF	20%	10V
C941	1-128-954-11	ELECT	1000uF	20%	25V
C942	1-126-941-11	ELECT	470uF	20%	25V
C943	1-126-933-11	ELECT	100uF	20%	16V
C944	1-128-951-21	ELECT	2200uF	20%	16V
C945	1-126-935-11	ELECT	470uF	20%	16V
C946	1-128-950-21	ELECT	1000uF	20%	16V
C947	1-104-658-91	ELECT	100uF	20%	10V
C948	1-126-925-91	ELECT	470uF	20%	10V
C949	1-104-658-91	ELECT	100uF	20%	10V
C951	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C952	1-100-756-91	CERAMIC CHIP	0.047uF		50V
C953	1-117-214-11	CERAMIC	0.001uF	10%	2KV
C954	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C955	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C958	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C960	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C961	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
⚠C963	1-117-697-51	CERAMIC	470PF	10%	250V (EXCEPT MX, TW)
⚠C963	1-117-700-51	CERAMIC	0.0022uF	99%	250V (MX, TW)
⚠C964	1-117-697-51	CERAMIC	470PF	10%	250V (EXCEPT MX, TW)
⚠C964	1-117-700-51	CERAMIC	0.0022uF	99%	250V (MX, TW)
C967	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C968	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C969	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C970	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C971	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C976	1-126-933-11	ELECT	100uF	20%	16V
C979	1-126-967-11	ELECT	47uF	20%	50V (E32)
⚠C980	1-117-828-11	FILM	3300PF	3%	1.5KV (MX, TW)
C981	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V (EXCEPT E32, MX)
		< CONNECTOR >			
⚠CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN903	1-564-505-11	PLUG, CONNECTOR 2P			
* CN906	1-564-714-11	PIN, CONNECTOR (SMALL TYPE) 12P			
CN907	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			(EXCEPT E32, MX)
		< DIODE >			
⚠D901	8-719-082-57	DIODE D5SBA60F01			
⚠D905	8-719-063-74	DIODE D1NL20U-TR2			
⚠D906	6-501-193-01	DIODE 1SS355WTE-17			
⚠D907	6-501-193-01	DIODE 1SS355WTE-17			
⚠D908	6-501-193-01	DIODE 1SS355WTE-17			
⚠D909	6-501-193-01	DIODE 1SS355WTE-17			
⚠D910	6-501-193-01	DIODE 1SS355WTE-17			
⚠D913	6-500-241-01	DIODE SARS03			
⚠D914	6-501-193-01	DIODE 1SS355WTE-17			
⚠D915	6-501-174-01	DIODE UDZW-TE17-10B			
⚠D921	6-501-424-01	DIODE STO2D-140			
⚠D922	8-719-063-74	DIODE D1NL20U-TR2			
⚠D923	6-501-174-01	DIODE UDZW-TE17-10B			
⚠D924	6-501-183-01	DIODE UDZW-TE17-24B			
⚠D925	6-501-167-01	DIODE UDZW-TE17-5.1B			
⚠D926	6-501-174-01	DIODE UDZW-TE17-10B			
D931	6-501-849-01	DIODE FMX-22SL			
D932	6-501-167-01	DIODE UDZW-TE17-5.1B			
D941	6-500-288-11	DIODE EK19LF-F7			
D942	8-719-080-53	DIODE RK36LF-B3			

Ref. No.	Part No.	Description	Remark
D943	8-719-080-53	DIODE RK36LF-B3	
D944	6-500-288-11	DIODE EK19LF-F7	
D945	6-501-181-01	DIODE UDZW-TE17-20B	
		< GROUND TERMINAL >	
EB901	1-537-770-21	TERMINAL BOARD, GROUND	
EB902	1-537-770-21	TERMINAL BOARD, GROUND	
EB903	1-537-770-21	TERMINAL BOARD, GROUND	
EB904	1-537-770-21	TERMINAL BOARD, GROUND	
EB906	1-537-770-21	TERMINAL BOARD, GROUND	
		< FUSE HOLDER >	
FH901	1-533-217-41	HOLDER, FUSE	
FH902	1-533-217-41	HOLDER, FUSE	
		< FUSIBLE RESISTER >	
⚠FR901	1-242-949-11	FUSIBLE 0.1 10% 1W (EXCEPT E32, MX ,TW)	
		< IC >	
⚠IC901	6-707-741-01	IC STR-F6138-LF1352 (MX, TW)	
⚠IC901	6-707-742-01	IC STR-F6168-LF1352 (EXCEPT MX, TW)	
⚠IC921	6-707-740-01	IC STR-V153	
IC931	8-759-648-34	IC TA76431AS (TPE6)	
IC941	6-705-308-01	IC SI-3010KM-TL	
IC942	6-705-308-01	IC SI-3010KM-TL	
IC943	6-705-308-01	IC SI-3010KM-TL	
IC951	6-707-743-01	IC TA76L431S (TPE6, Q)	
		< COIL >	
L931	1-457-438-11	INDUCTOR 5.6uH	
L941	1-414-398-11	INDUCTOR 10uH	
L942	1-414-398-11	INDUCTOR 10uH	
L943	1-414-398-11	INDUCTOR 10uH	
L944	1-414-398-11	INDUCTOR 10uH	
L945	1-414-398-11	INDUCTOR 10uH	
L947	1-414-398-11	INDUCTOR 10uH	
L948	1-414-398-11	INDUCTOR 10uH	
L951	1-414-398-11	INDUCTOR 10uH	
L952	1-414-398-11	INDUCTOR 10uH	
		< LINE FILTER >	
⚠LF901	1-457-054-21	COIL, LINE FILTER (EXCEPT E32, MX, TW)	
⚠LF901	1-457-449-11	COIL, LINE FILTER (E32, MX, TW)	
⚠LF902	1-457-054-21	COIL, LINE FILTER (EXCEPT E32, MX, TW)	
⚠LF902	1-457-449-11	COIL, LINE FILTER (E32, MX, TW)	
		< PHOTO COUPLER >	
⚠PC901	6-600-438-01	IC TLP421F (D4-GR)	
⚠PC902	6-600-438-01	IC TLP421F (D4-GR)	
⚠PC903	6-600-438-01	IC TLP421F (D4-GR)	
		< TRANSISTOR >	
⚠Q901	8-729-141-88	TRANSISTOR 2SB1116A-TP-LK	
⚠Q921	8-729-142-51	TRANSISTOR 2SD1616A-TP-LK	
Q943	8-729-038-28	TRANSISTOR RT1N441C-TP-1	
Q945	6-550-718-01	TRANSISTOR RSR025N03TL	
Q947	8-729-038-28	TRANSISTOR RT1N441C-TP-1	
		< RESISTOR >	
⚠R901	1-219-759-11	METAL 1M 5% 1/2W	

Ref. No.	Part No.	Description	Remark
⚠R903	1-215-926-00	METAL OXIDE 33K 5% 3W F (MX, TW)	
⚠R903	1-215-929-11	METAL OXIDE 100K 5% 3W F (EXCEPT MX, TW)	
⚠R904	1-215-929-11	METAL OXIDE 100K 5% 3W F	
⚠R905	1-216-797-11	METAL CHIP 10 5% 1/10W	
⚠R906	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
⚠R907	1-216-833-11	METAL CHIP 10K 5% 1/10W	
⚠R908	1-260-105-11	CARBON 3.3K 5% 1/2W	
⚠R909	1-216-845-11	METAL CHIP 100K 5% 1/10W	
⚠R910	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
⚠R911	1-216-813-11	METAL CHIP 220 5% 1/10W	
⚠R912	1-216-361-61	METAL OXIDE 0.22 5% 2W F (MX, TW)	
⚠R912	1-216-363-00	METAL OXIDE 0.33 5% 2W F (EXCEPT MX, TW)	
⚠R913	1-216-361-61	METAL OXIDE 0.22 5% 2W F (MX, TW)	
⚠R914	1-220-891-11	METAL 0.1 10% 5W F (EXCEPT MX, TW)	
⚠R914	1-243-669-11	METAL 0.05 5% 5W F (MX, TW)	
⚠R919	1-216-836-11	METAL CHIP 18K 5% 1/10W	
⚠R922	1-216-793-11	METAL CHIP 4.7 5% 1/10W	
⚠R923	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
⚠R925	1-216-797-11	METAL CHIP 10 5% 1/10W	
⚠R926	1-216-855-11	METAL CHIP 680K 5% 1/10W	
⚠R927	1-216-348-00	METAL OXIDE 0.82 5% 1W (E32, MX, TW)	
⚠R927	1-216-349-00	METAL OXIDE 1 5% 1W F (EXCEPT E32, MX, TW)	
⚠R929	1-246-106-11	METAL OXIDE 2.2 5% 1/2W F	
R931	1-218-853-11	METAL CHIP 1.8K 0.5% 1/10W (E32)	
R931	1-218-859-11	METAL CHIP 3.3K 0.5% 1/10W (EXCEPT E32)	
R932	1-218-883-11	METAL CHIP 33K 0.5% 1/10W	
R933	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R934	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R935	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R936	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R937	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R938	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R939	1-218-859-11	METAL CHIP 3.3K 0.5% 1/10W	
R940	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R941	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R942	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R943	1-216-839-11	METAL CHIP 33K 5% 1/10W	
R945	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R946	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R948	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R949	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R951	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R952	1-218-855-11	METAL CHIP 2.2K 0.5% 1/10W	
R953	1-218-861-11	METAL CHIP 3.9K 0.5% 1/10W	
R954	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R955	1-216-817-11	METAL CHIP 470 5% 1/10W	
R956	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R957	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R958	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R960	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R962	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	

Ref. No.	Part No.	Description			Remark
R965	1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W
R966	1-216-821-11	METAL CHIP	1K	5%	1/10W
R967	1-216-821-11	METAL CHIP	1K	5%	1/10W
R968	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠R969	1-216-821-11	METAL CHIP	1K	5%	1/10W
R971	1-216-864-11	SHORT CHIP	0		
R972	1-216-833-11	METAL CHIP	10K	5%	1/10W
R974	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R979	1-216-864-11	SHORT CHIP	0 (EXCEPT E32, MX)		
		< TRANSFORMER >			
⚠T901	1-443-649-11	TRANSFORMER, CONVERTER (MX, TW)			
⚠T901	1-443-874-11	TRANSFORMER, CONVERTER (EXCEPT MX, TW)			
⚠T902	1-443-650-11	TRANSFORMER, CONVERTER			
		< THERMISTOR >			
⚠TH901	1-805-841-21	THERMISTOR, NTC 3.0 (E32, MX, TW)			
⚠TH901	1-805-842-21	THERMISTOR, NTC 6.0 (EXCEPT E32, MX, TW)			
		< VARISTOR >			
⚠VDR901	1-805-482-11	VARISTOR			
**********					
		P-SW BOARD			
		**********			
		< CAPACITOR >			
C851	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		< SWITCH >			
S801	1-762-875-21	SWITCH, KEYBOARD (I/⏻)			
**********					
		SPEAKER BOARD			
		**********			
		< CAPACITOR >			
C301	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C302	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C303	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C304	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C305	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C306	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C307	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C308	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C309	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C310	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C311	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C312	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C313	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C314	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C315	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C316	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
* CN303	1-564-523-11	PLUG, CONNECTOR 8P			
		< TERMINAL >			
TB301	1-780-454-11	TERMINAL BOARD (SPEAKER) 4P (SPEAKER FRONT R/FRONT L/SUR R/SUR L)			
**********					
		MISCELLANEOUS			
		**********			
5	1-828-307-11	WIRE (FLAT TYPE) (9 CORE)			
7	1-828-952-11	WIRE (FLAT TYPE) (9 CORE) (DZ850KW)			
7	1-828-962-11	WIRE (FLAT TYPE) (11 CORE) (DZ830W)			
8	1-693-724-11	TUNER (FM/AM) (DZ830W)			
8	1-693-725-11	TUNER (FM/AM) (KR)			
8	1-693-726-11	TUNER (FM/AM) (E3, E32, MX, SP, TW, AUS)			
11	1-828-320-11	WIRE (FLAT TYPE) (11 CORE)			
59	1-828-325-11	WIRE (FLAT TYPE) (13 CORE)			
61	1-828-374-51	WIRE (FLAT TYPE) (21 CORE)			
102	1-828-292-11	WIRE (FLAT TYPE) (5 CORE)			
103	1-828-369-11	WIRE (FLAT TYPE) (21 CORE) (E32)			
103	1-828-389-11	WIRE (FLAT TYPE) (25 CORE) (EXCEPT E32)			
104	1-828-316-11	WIRE (FLAT TYPE) (11 CORE) (DZ850KW)			
104	1-828-326-11	WIRE (FLAT TYPE) (13 CORE) (DZ830W)			
109	1-787-331-11	FAN, D.C.			
⚠110	1-751-520-31	CORD, POWER (UK)			
⚠110	1-769-079-61	CORD, POWER (KR)			
⚠110	1-777-071-23	CORD, POWER (E3, SP, AUS)			
⚠110	1-827-226-41	CORD, POWER (MX)			
⚠110	1-827-597-41	CORD, POWER (TW)			
⚠110	1-830-188-11	CORD, POWER (AEP, E32)			
⚠507	8-820-321-05	OPTICAL PICK UP ASSY (KHM-313CAA/C2RP)			
508	1-828-773-51	WIRE (FLAT TYPE) (24 CORE)			
⚠F901	1-533-311-12	FUSE, GLASS CYLINDRICAL (DIA.5) (8A/125V) (MX, TW)			
⚠F901	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V) (E32)			
⚠F901	1-576-233-51	FUSE (H.B.C.) (T6.3AH/250V) (EXCEPT E32, MX, TW)			

MEMO

HCD-DZ830W/DZ850KW

SONY

SERVICE MANUAL

Ver. 1.1 2007.06

AEP Model
UK Model
HCD-DZ830W
E Model
Australian Model
HCD-DZ850KW

SUPPLEMENT-1

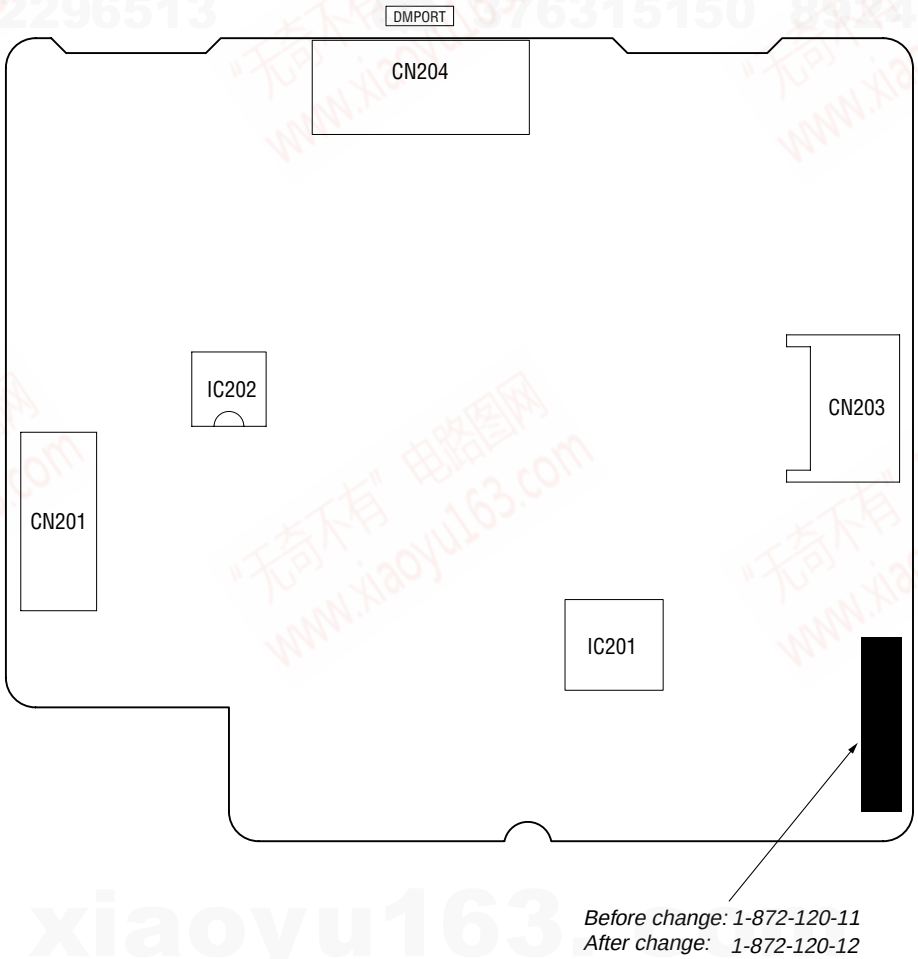
Subject: DMPORT board changed to suffix-12 from suffix-11

Part number of DMPORT board changed to suffix-12 from suffix-11.
It has any difference between suffix-11 and suffix-12.
This supplement-1 describes the difference in the two boards.
Refer to original service manual (9-887-642-0□) for other information.

- **How to distinguish**

Location of part number on changed DMPORT board

【DMPORT BOARD】(EXCEPT E32, MX) (SIDE A)



Before change: 1-872-120-11
After change: 1-872-120-12

9-887-642-81

DIAGRAMS

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

For Schematic Diagrams.
Note:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.
- ▬ : B+ Line.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are dc with respect to ground in service mode. Voltage variations may be noted due to normal production tolerances.
  no mark : DVD STOP
- Voltages are taken with VOM (Input impedance 10 MΩ).
- Signal path.
  ⇨ : VIDEO
  ➡ : AUDIO IN
- Abbreviation
  E32 : 110 – 240V AC area in E model
  MX : Mexican model

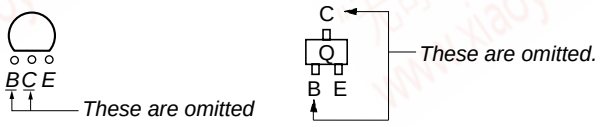
For Printed Wiring Boards.
Note:

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

(The other layers' patterns are not indicated.)

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

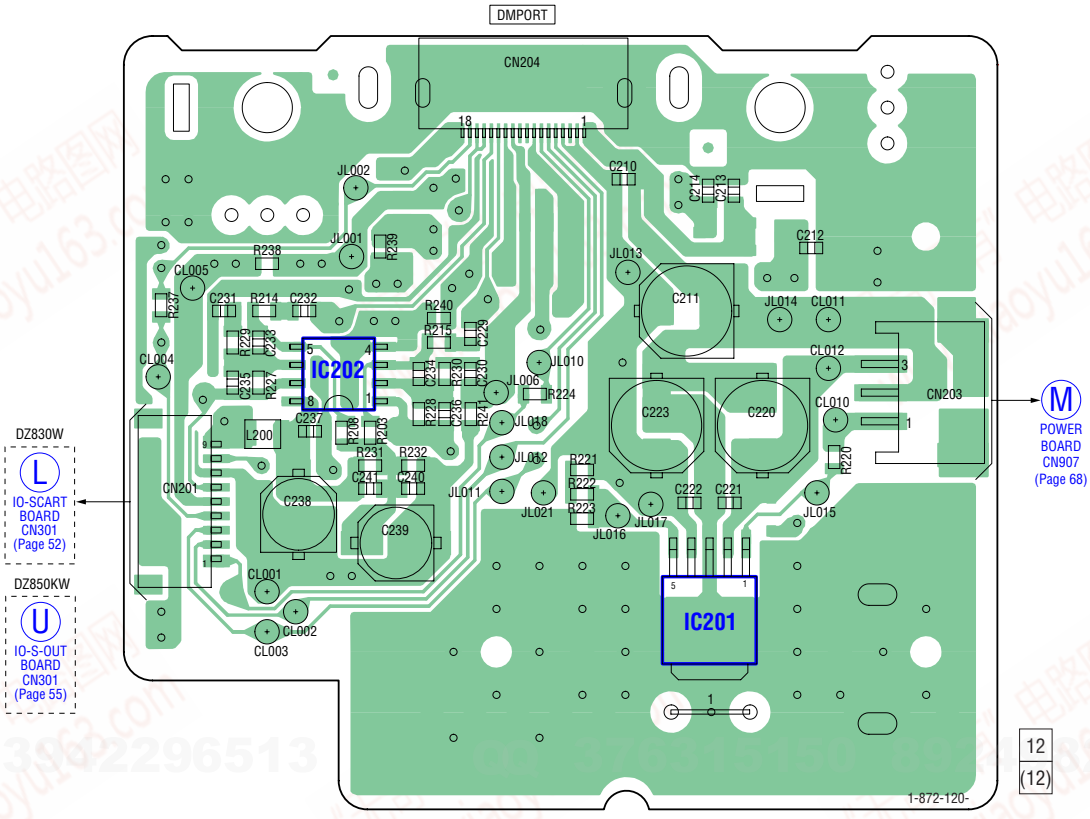
- Indication of transistor.



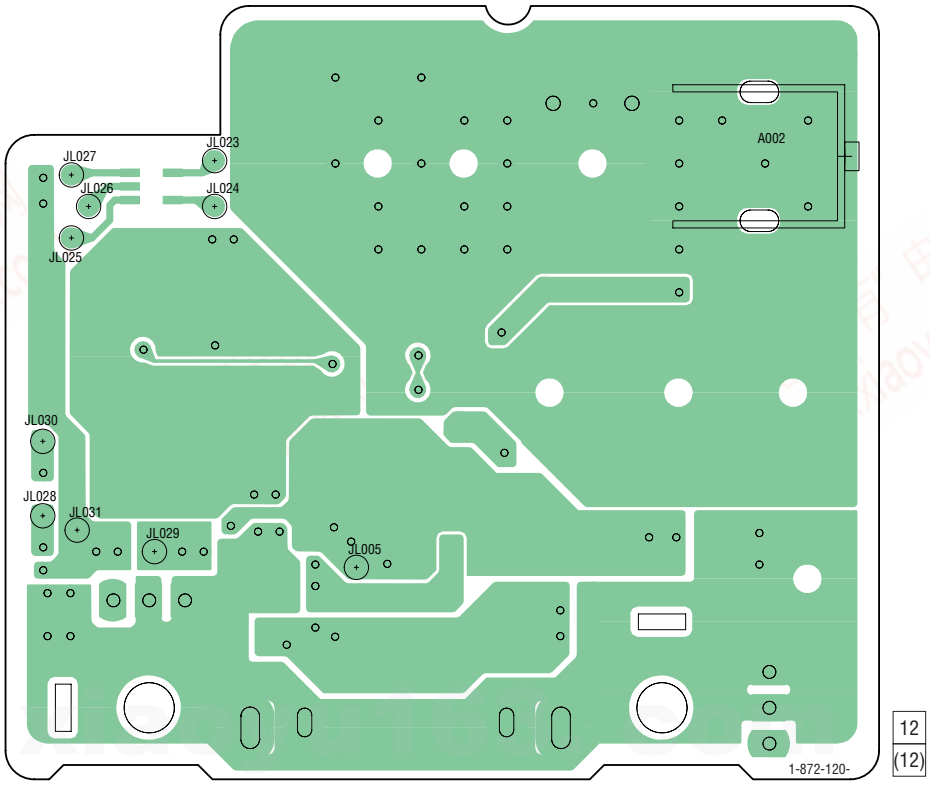
PRINTED WIRING BOARD – DMPORT BOARD (EXCEPT E32, MX) –

:Uses unleaded solder.

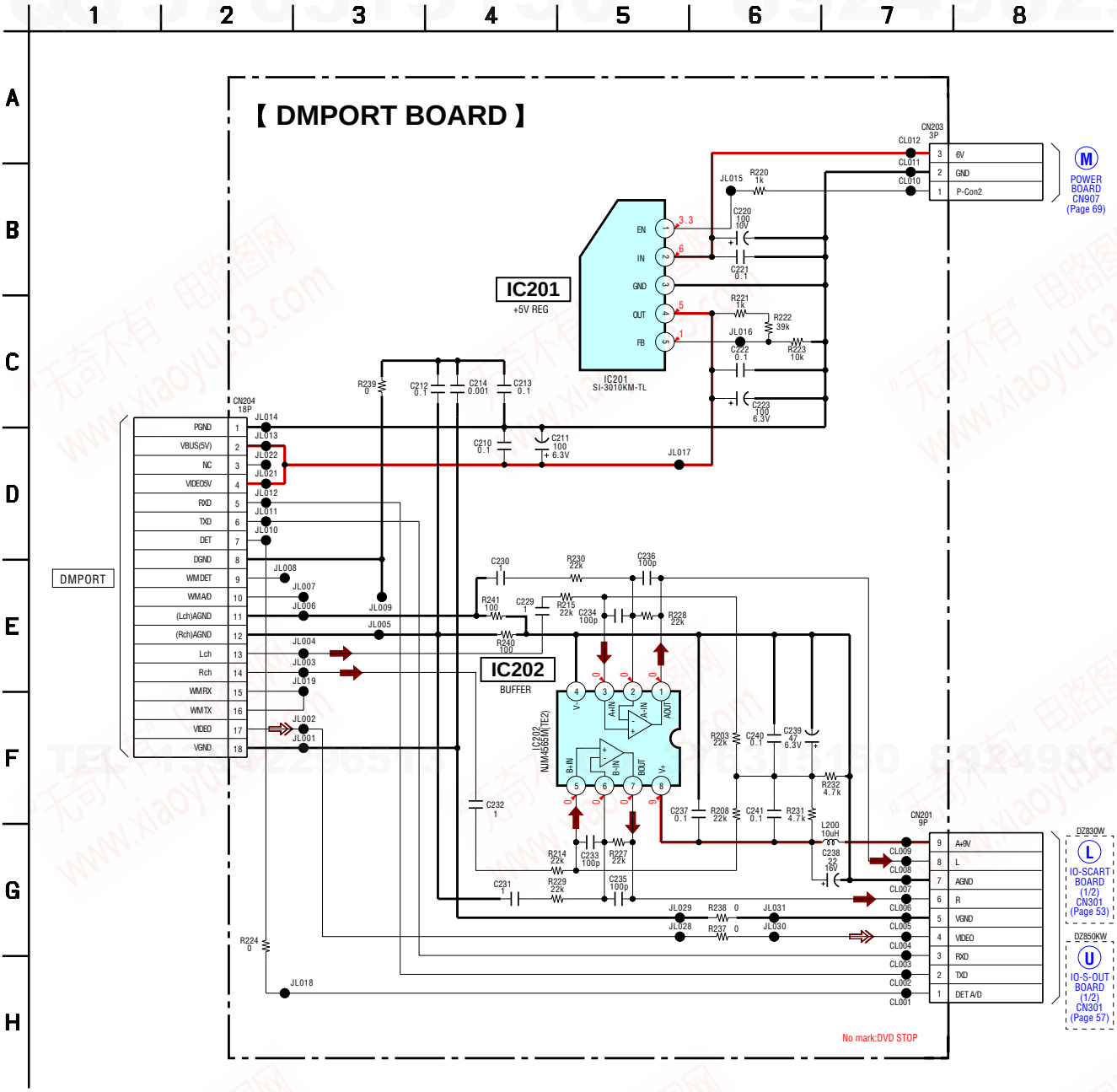
【DMPORT BOARD】 (SIDE A)



【DMPORT BOARD】 (SIDE B)



SCHEMATIC DIAGRAM – DMPORT BOARD (EXCEPT E32, MX) –



ELECTRICAL PARTS LIST

DMPORT

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. ., uPA. . : µPA. .,
  uPB. . : µPB. ., uPC. . : µPC. .,
  uPD. . : µPD. .
- Abbreviation
  E32 : 110 – 240V AC area in E model
  MX : Mexican model

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

Ref. No.	Part No.	Description			Remark
	A-1218-025-A	DMPORT BOARD, COMPLETE (EXCEPT E32, MX)			
		**********			
		< CAPACITOR >			
C210	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C211	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C212	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C213	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C214	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C220	1-128-995-21	ELECT CHIP	100uF	20%	10V
C221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C223	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C229	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C230	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C231	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C232	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C233	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C234	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C235	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C236	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C237	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C238	1-126-395-11	ELECT CHIP	22uF	20%	16V
C239	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C241	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN201	1-784-861-51	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			
CN203	1-774-730-21	PIN, CONNECTOR (PC BOARD) 3P			
CN204	1-817-615-21	CONNECTOR BOARD TO BOARD 18P(DMPORT)			
		< IC >			
IC201	6-705-308-01	IC SI-3010KM-TL			
IC202	8-759-710-97	IC NJM4565M-D			
		< COIL >			
L200	1-469-525-91	INDUCTOR	10uH		
		< RESISTOR >			
R203	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R208	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R214	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R215	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R220	1-216-821-11	METAL CHIP	1K	5%	1/10W
R221	1-216-821-11	METAL CHIP	1K	5%	1/10W
R222	1-216-840-11	METAL CHIP	39K	5%	1/10W
R223	1-216-833-11	METAL CHIP	10K	5%	1/10W
R224	1-216-864-11	SHORT CHIP	0		
R227	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R228	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R229	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R230	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R231	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R232	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R237	1-216-864-11	SHORT CHIP	0		
R238	1-216-864-11	SHORT CHIP	0		
R239	1-216-864-11	SHORT CHIP	0		
R240	1-216-809-11	METAL CHIP	100	5%	1/10W
R241	1-216-809-11	METAL CHIP	100	5%	1/10W

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.

Ver.	Date	Description of Revision
1.0	2007.04	New
1.1	2007.06	Addition of Korean, Mexican, and Taiwan models for HCD-DZ850KW
		SUPPLEMENT-1: DMPORT board changed to suffix-12 from suffix-11. (ECN-ECC11967)