

HCD-FLX9W

SERVICE MANUAL

E Model

Ver 1.0 2004.07



HCD-FLX9W is the amplifier, DVD player, tape deck and tuner section in DHC-FLX9W.

DVD Section	Model Name Using Similar Mechanism	HCD-FLX5D
	DVD Mechanism Type	CDM53N-DVBU14
	Base Unit Name	DVBU14
	Optical Traverse Unit Name	DBU-1
TAPE Section	Model Name Using Similar Mechanism	HCD-FLX5D

SPECIFICATIONS

Amplifier section:

The following measured at AC 127, 220, 240 V, 50/60 Hz (Saudi Arabian model only)
The following measured at AC 120, 220, 240 V, 50/60 Hz (except for Saudi Arabian model)

MULTI mode

DIN power output at stereo mode (rated)
45 + 45 watts
(8 ohms at 1 kHz, DIN)

Continuous RMS power output (reference)

Front speaker: 60 + 60 watts
(8 ohms at 1 kHz, 10% THD)

Center speaker: 60 watts
(16 ohms at 1 kHz, 10% THD)

Rear speaker: 60 + 60 watts
(6 ohms at 1 kHz, 10% THD)

Sub woofer: 100 watts
(8 ohms at 100 Hz, 10% THD)

2.1CH mode

DIN power output at stereo mode (rated)
70 + 70 watts
(8 ohms at 1 kHz, DIN)

Continuous RMS power output (reference)

Front speaker: 120 + 120 watts
(8 ohms at 1 kHz, 10% THD)

Sub woofer: 240 watts
(8 ohms at 100 Hz, 10% THD)

Inputs
VIDEO/SAT IN L/R (phono jacks):
voltage 250 mV/450 mV,
impedance 47 kilohms

OPTICAL DIGITAL IN (Square optical connector jacks, rear panel):
wavelength —
MIC (phone jack): sensitivity 1 mV,
impedance 10 kilohms

Outputs
VIDEO OUT L/R (phono jacks):
voltage 250 mV,
impedance 1 kilohms

VIDEO OUT: 1 Vp-p, 75 ohms
S VIDEO OUT: Y: 1 Vp-p, 75 ohms
C: 0.286 Vp-p, 75 ohms

COMPONENT VIDEO OUT:
Y: 1 Vp-p, 75 ohms
PB: 0.7 Vp-p, 75 ohms
PR: 0.7 Vp-p, 75 ohms

PHONES (stereo mini jack):
accepts headphones of 8 ohms or more

FRONT L/R: Use only the supplied speaker SS-FLX9

REAR L/R: Use only the supplied speaker SS-RS99

CENTER: Use only the supplied speaker SS-CT99

S.WOOFER: Use only the supplied speaker SS-WG9

Disc player section

Laser
Semiconductor laser
(DVD and SA-CD:
 $\lambda=650$ nm,
CD: $\lambda=780$ nm)
Emission duration:
continuous

Frequency response
DVD (PCM 48 kHz):
2 Hz – 22 kHz = (± 1 dB)
CD: 2 Hz – 20 kHz = (± 1 dB)

– Continued on next page –

DVD DECK RECEIVER

9-877-904-01
2004G05-1
© 2004.07

Sony Corporation
Home Audio Company
Published by Sony Engineering Corporation

SONY®

HCD-FLX9W

Signal-to-noise ratio	More than 90 dB
Dynamic range	More than 90 dB
Video color system format	NTSC, PAL
OPTICAL DIGITAL OUT (Square optical connector jack, rear panel)	
wavelength	660 nm

Tape player section

Recording system	4-track 2-channel stereo
Frequency response	50 – 13,000 Hz (±3 dB), using Sony TYPE I cassette

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range	87.5 – 108.0 MHz (50-kHz step)
Antenna	FM lead antenna
Antenna terminals	75 ohm unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

Tuning range	
Saudi Arabian model:	531 – 1,602 kHz (with the tuning interval set at 9 kHz)
Other models:	530 – 1,710 kHz (with the tuning interval set at 10 kHz) 531 – 1,602 kHz (with the tuning interval set at 9 kHz)
Antenna	AM loop antenna
Antenna terminals	External antenna terminal
Intermediate frequency	450 kHz

General

Power requirements	
Saudi Arabian model:	120 – 127 V, 220 V or 230 – 240 V AC, 50/60 Hz Adjustable with voltage selector
Thailand model:	220 V AC, 50/60 Hz
Other models:	120 V, 220 V or 230 – 240 V AC, 50/60 Hz Adjustable with voltage selector
Power consumption	425 watts
Dimensions (w/h/d)	Approx. 235 × 435 × 420 mm
Mass	Approx. 15.2 kg

Design and specifications are subject to change without notice.

Notes on chip component replacement

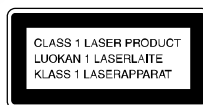
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

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

CAUTION

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







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

SAFETY-RELATED COMPONENT WARNING!!

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

This system can play the following discs

Format of discs	Disc logo
DVD VIDEO*	
Super Audio CD	
VIDEO CD	
Music CD	

* The "DVD VIDEO" logo is a trademark.

Discs that this system cannot play

- CD-ROMs (PHOTO CDs included)
- All CD-Rs other than music and VCD format CD-Rs
- Data part of CD-Extras
- DVD-ROMs
- DVD Audio discs


Note

Some CD-Rs/CD-RWs or DVD-Rs/DVD-RWs cannot be played on this system depending upon the format or the recording quality or physical condition of the disc, or the characteristics of the recording device.

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

Region code of DVDs you can play on this system

Your system has a region code printed on the back of the unit and will only play DVDs labeled with identical region code.

DVDs labeled  will also be played on this system.

If you try to play any other DVD, the message "Playback prohibited by area limitations." will appear on the TV screen.

Depending on the DVD, no region code indication may be labeled even though playing the DVD is prohibited by area restrictions.

The region code is located below the COMPONENT VIDEO OUT jacks on the rear panel.

Note on playback operations of DVDs and VIDEO CDs

Some playback operations of DVDs and VIDEO CDs may be intentionally set by software producers. Since this system plays DVDs and VIDEO CDs according to the disc contents the software producers designed, some playback features may not be available. Also, refer to the instructions supplied with the DVDs or VIDEO CDs.

Note on PBC (Playback Control) (VIDEO CDs)

This system conforms to Ver. 1.1 and Ver. 2.0 of VIDEO CD standards. You can enjoy two kinds of playback depending on the disc type.

Disc type	You can
VIDEO CDs without PBC functions (Ver. 1.1 discs)	Enjoy video playback (moving pictures) as well as music.
VIDEO CDs with PBC functions (Ver. 2.0 discs)	Play interactive software using menu screens displayed on the TV screen (PBC Playback), in addition to the video playback functions of Ver. 1.1 discs. Moreover, you can play high-resolution still pictures, if they are included on the disc.

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.

TABLE OF CONTENTS

1. SERVICING NOTES	5	8-17. Schematic Diagram – MB Board (6/7) –	53
2. GENERAL		8-18. Schematic Diagram – MB Board (7/7) –	54
Main unit	9	8-19. Schematic Diagram – DSP Board (1/3) –	55
Remote Control	10	8-20. Schematic Diagram – DSP Board (2/3) –	56
Setting the Clock	10	8-21. Schematic Diagram – DSP Board (3/3) –	57
3. DISASSEMBLY		8-22. Printed Wiring Board	
3-1. Disassembly Flow	11	– DSP Board (Component Side) –	58
3-2. Cover (Top), Cover (Back)	12	8-23. Printed Wiring Board	
3-3. Case	12	– DSP Board (Conductor Side) –	59
3-4. Front Panel Assy	13	8-24. Printed Wiring Boards – DIAT Section –	60
3-5. Mechanical (Cassette) Deck	14	8-25. Schematic Diagram – DIAT Section –	61
3-6. GC Board	14	8-26. Printed Wiring Board – TX Board –	62
3-7. DVD Mechanism Block	15	8-27. Schematic Diagram – TX Board –	63
3-8. DSP Board	15	8-28. Printed Wiring Board – MC Board –	64
3-9. DVD Mechanism Deck (CDM53N-DVBU14)	16	8-29. Schematic Diagram – MC Board –	65
3-10. Fitting Base (Guide) Assy, Bracket (Chassis),		8-30. Printed Wiring Board	
Magnet Assy	16	– FRONT REAR AMP Board –	66
3-11. Base Unit (DVBU14)	17	8-31. Schematic Diagram	
3-12. Tray (Sub)	17	– FRONT REAR AMP Board –	67
3-13. Chassis (Mold B) Section, Stocker Section,		8-32. Printed Wiring Board – CENTER SW AMP Board –	68
Slider (Selection)	18	8-33. Schematic Diagram – CENTER SW AMP Board –	69
3-14. VIDEO Board	18	8-34. Printed Wiring Boards – SPEAKER Section –	70
3-15. SUB TRANS Board	19	8-35. Schematic Diagram – REGULATOR Board –	71
3-16. Back Panel Section	19	8-36. Schematic Diagram – SP RELAY Board (1/2) –	72
3-17. TRANS Board	20	8-37. Schematic Diagram – SP RELAY Board (2/2) –	73
3-18. SP RELAY Board	20	8-38. Printed Wiring Board – GC Board –	74
4. ASSEMBLY		8-39. Schematic Diagram – GC Board –	75
4-1. Assembly Flow	21	8-40. Printed Wiring Boards – CHANGER Section –	76
4-2. Gears Installation	21	8-41. Schematic Diagram – CHANGER Section –	77
4-3. Slider (Selection) Installation	22	8-42. Printed Wiring Boards – CD DOOR Section –	78
4-4. Stocker Section Installation	22	8-43. Schematic Diagram – CD DOOR Section –	79
4-5. Chassis (Mold B) Section Installation	23	8-44. Printed Wiring Boards – PANEL Section –	80
5. TEST MODE	24	8-45. Schematic Diagram – PANEL Section –	81
6. MECHANICAL ADJUSTMENTS	33	8-46. Printed Wiring Board – MIC Board –	82
7. ELECTRICAL ADJUSTMENTS		8-47. Schematic Diagram – MIC Board –	83
Deck Section	33	8-48. Printed Wiring Board – VIDEO Board –	84
DVD Section	35	8-49. Schematic Diagram – VIDEO Board –	85
8. DIAGRAMS		8-50. Printed Wiring Board – TRANS Board –	86
8-1. Block Diagram – RF SERVO Section –	36	8-51. Schematic Diagram – TRANS Board –	87
8-2. Block Diagram – TUNER/TAPE DECK Section –	37	8-52. Printed Wiring Board – SUB TRANS Board –	88
8-3. Block Diagram – AUDIO DSP Section (1/2) –	38	8-53. Schematic Diagram – SUB TRANS Board –	89
8-4. Block Diagram – AUDIO DSP Section (2/2) –	39	9. EXPLODED VIEWS	
8-5. Block Diagram – POWER AMP Section –	40	9-1. Cover Section	124
8-6. Block Diagram – VIDEO Section –	41	9-2. Mechanical (Cassette) Deck Section	125
8-7. Block Diagram		9-3. CD MOTOR/CD DOOR SW1/MIC/Panel (U)/	
– DISPLAY/POWER SUPPLY Section –	42	TC DOOR/TC DOOR SW Boards Section	126
8-8. Printed Wiring Board – RF Board –	44	9-4. Moving Panel Section	127
8-9. Schematic Diagram – RF Board –	45	9-5. Front Panel Section	128
8-10. Printed Wiring Board		9-6. DSP/GC/ I/F /MC/MB/Regulator/TX Boards Section ...	129
– MB Board (Component Side) –	46	9-7. Power Transformer Section	130
8-11. Printed Wiring Board		9-8. CENTER SW AMP/	
– MB Board (Conductor Side) –	47	FRONT REAR AMP Boards Section	131
8-12. Schematic Diagram – MB Board (1/7) –	48	9-9. SP RELAY Board Section	132
8-13. Schematic Diagram – MB Board (2/7) –	49	9-10. DVD Mechanism Deck Section-1	
8-14. Schematic Diagram – MB Board (3/7) –	50	(CDM53N-DVBU14)	133
8-15. Schematic Diagram – MB Board (4/7) –	51	9-11. DVD Mechanism Deck Section-2	
8-16. Schematic Diagram – MB Board (5/7) –	52	(CDM53N-DVBU14)	134
		9-12. DVD Mechanism Deck Section-3	
		(CDM53N-DVBU14)	135
		9-13. DVD Mechanism Deck Section-4	
		(CDM53N-DVBU14)	136
		9-14. Base Unit Section (DVBU14)	137
		10. ELECTRICAL PARTS LIST	138

SECTION 1 SERVICING NOTES

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

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

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

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

NOTES ON LASER DIODE EMISSION CHECK

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

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)

LF: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.

Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.

Soldering irons using a temperature regulator should be set to about 350 °C.

Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!



- Strong viscosity
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder


It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

RELEASING THE DISC TRAY LOCK

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

Releasing Procedure :




Press two buttons of  and  simultaneously for five seconds. The message "UNLOCKED" is displayed and the tray is unlocked.

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

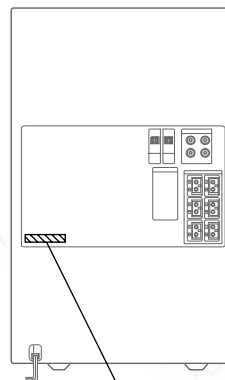
NOTE OF REPLACING THE DMB07 BOARD

When replacing the DMB07 board, since the adjustment value is not set up correctly, "Drive Auto Adjustment" can't be performed. In this case, initialize Memory in the following procedures.

Procedure:

1. Set the test mode. (See page 26)
2. Press the  key of the remote commander, and set the "DRIVE MANUAL OPERATION". (See page 28)
3. Press the  key of the remote commander, and set the "2-6, Memory Check". (See page 30)
4. Press the  key of the remote commander, and initialize Memory.

• MODEL IDENTIFICATION – Back Panel –

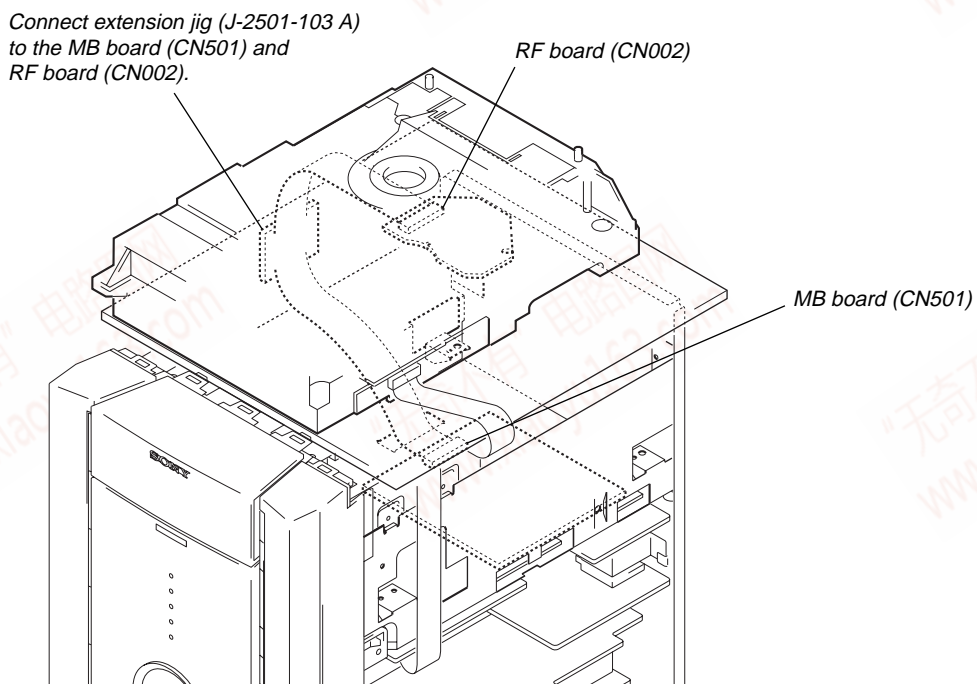
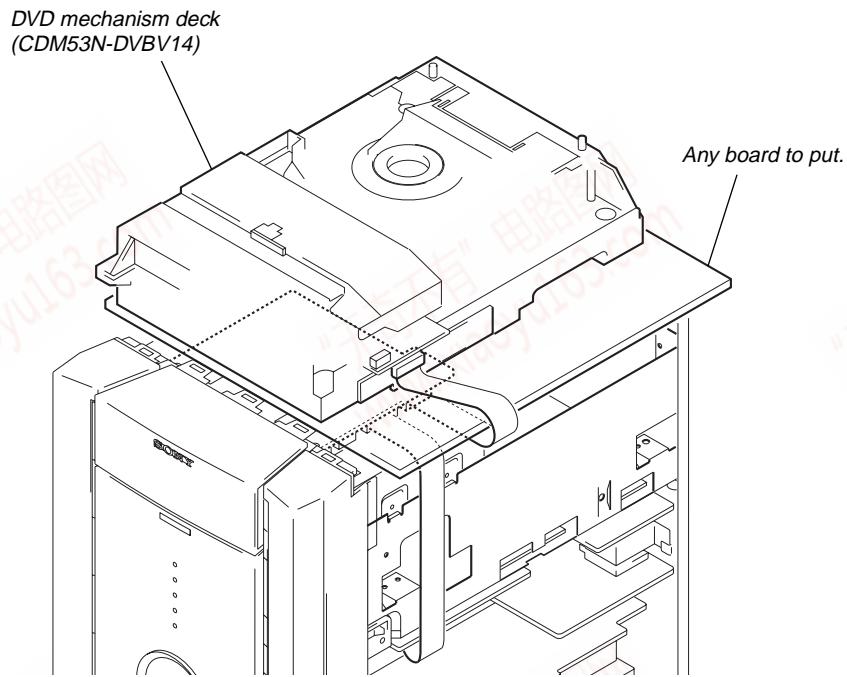


PART No.

MODEL	PART No.
Saudi Arabia model	4-254-136-01
Iranian model	4-254-136-11
Singapore model	4-254-136-21
Thai model	4-254-136-31

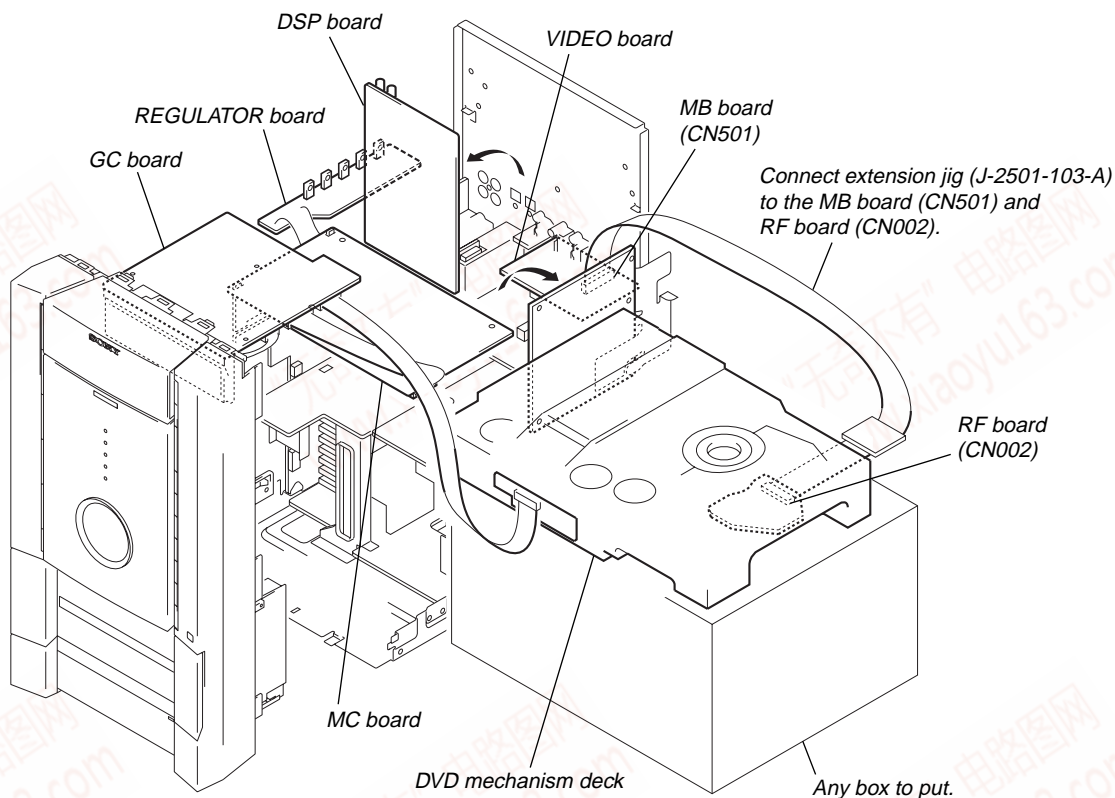
DVD MECHANISM DECK SERVICE POSITION

- In checking the DVD mechanism deck section (CDM53N-DVBV14), prepare extension jig (Part No. J-2501-103-A: 1.00 mm Pitch, 29 cores, Length 300 mm).



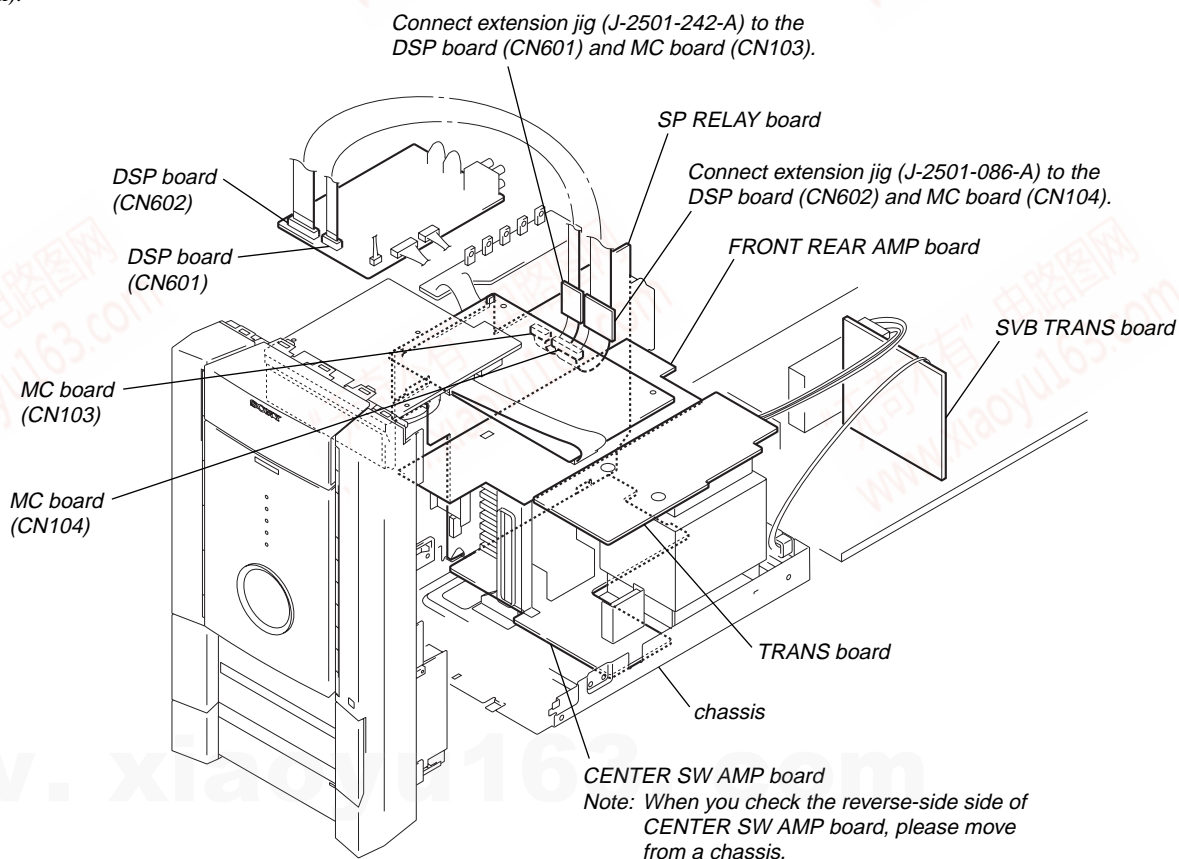
DSP/GC/MB/MC/REGULATOR AND VIDEO BOARDS SERVICE POSITION

- In checking the DSP/GC/MB/MC/REGULATOR and VIDEO boards, prepare extension jig (Part No. J-2501-103-A: 1.00 mm Pitch, 29 cores, Length 300 mm).



CENTER SW AMP/FRONT REAR AMP/SP RELAY/SUB TRANS AND TRANS BOARDS SERVICE POSITION

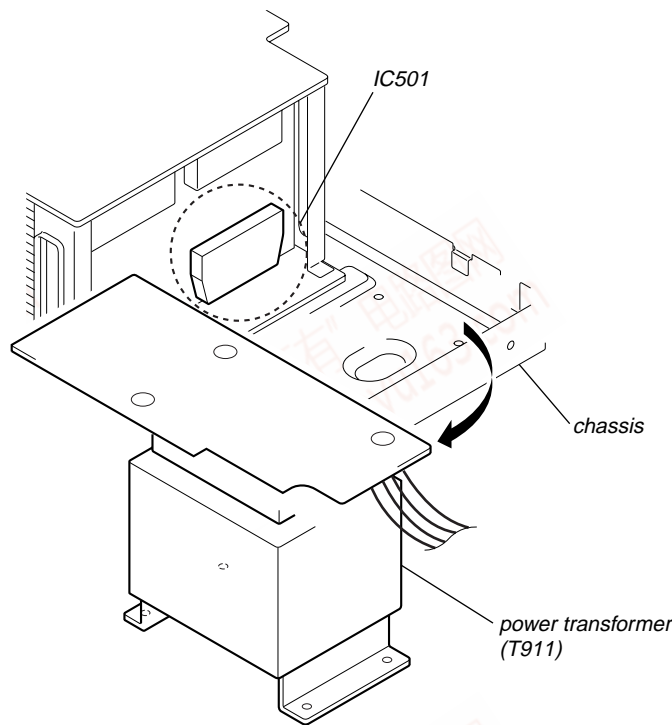
- In checking the CENTER SW AMP/FRONT REAR AMP/SP RELAY/SUB TRANS and TRANS boards, prepare two extension jigs (Part No. J-2501-242-A: 1.00 mm Pitch, 11 cores, Length 300 mm and Part No. J-2501-086-A: 1.00 mm Pitch, 19 cores, Length 300 mm).



HCD-FLX9W

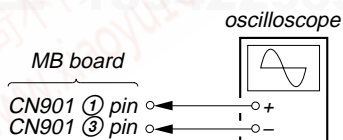
IC501 SERVICE POSITION

- When you check IC501, please move a power transformer (T911) from a chassis.



DECISION TO PASS OR FAIL OF THE OPTICAL PICK-UP BLOCK

Connection:

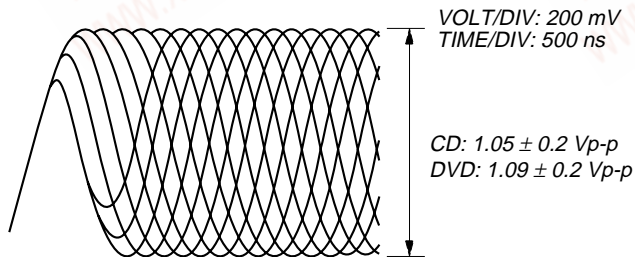


Procedure:

1. Connect an oscilloscope to test point ① pin and ③ pin of CN901 on the MB board.
2. Turn the power on.
3. Put the disc (LUV-P01) (Part No.:4-999-032-01) (CD) in to playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.
5. Put the disc (TDV-520CSO) (Part No.:J-2501-236-A) (DVD) in to playback.
6. Perform Confirmation in the same manner as step 4.

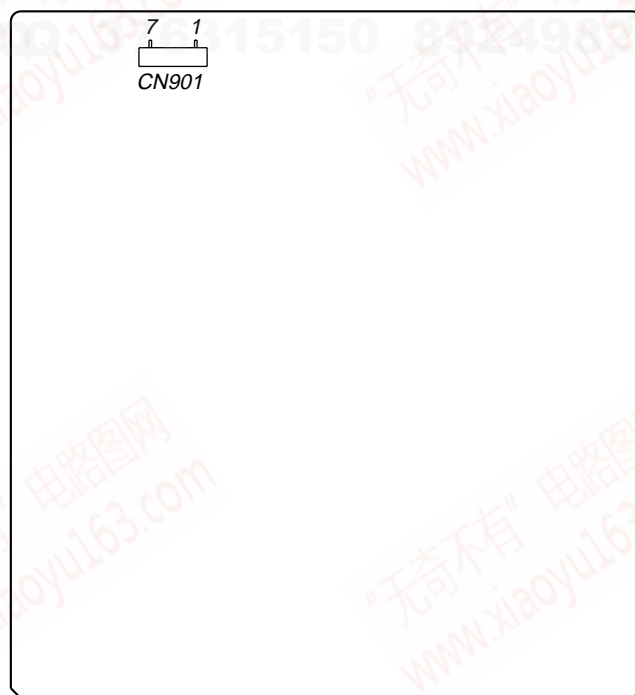
Note: A clear RF signal waveform means that the shape “ \diamond ” can be clearly distinguished at the center of the waveform.

RF signal waveform



Checking Location:

– MB BOARD (Component Side) –



SECTION 2 GENERAL

This section is extracted from instruction manual.

Main unit

ALPHABETICAL ORDER

A - L

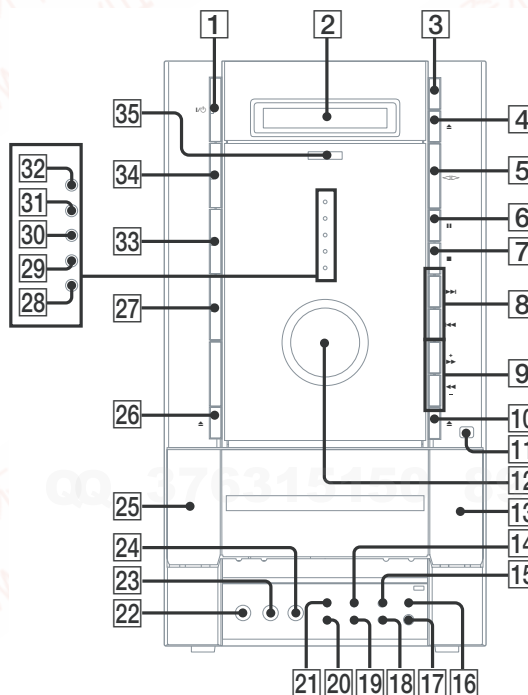
- CD SYNC HI-DUB **15**
- Deck A **25**
- Deck B **13**
- DIGITAL **21**
- DISC SELECT **3**
- DISC 1 indicator **32**
- DISC 2 indicator **31**
- DISC 3 indicator **30**
- DISC 4 indicator **29**
- DISC 5 indicator **28**
- Display window **2**
- DISPLAY **16**
- DVD **34**
- ECHO LEVEL **24**
- EFFECT **19**
- GROOVE **14**
- Headphones jack **17**

M - Z

- MIC jack **22**
- MIC LEVEL **23**
- MULTI CHANNEL DECODING indicator **35**
- REC PAUSE/START **18**
- Remote sensor **11**
- TAPE A/B **27**
- TUNER/BAND **33**
- VIDEO/SAT **20**
- VOLUME **12**

BUTTON DESCRIPTIONS

- I/⏻ (power) **1**
- ⏮ (open/close) **4**
- A ⏮ (deck A) **26**
- ⏮ B (deck B) **10**
- ▶◀ (play) **5**
- ⏸ (pause) **6**
- (stop) **7**
- ◀◀/▶▶ (go back/go forward) **8**
- /◀◀, ▶▶/+ (rewind, fast forward) **9**



Remote Control

ALPHABETICAL ORDER

A - E

2.1CH/MULTI* 30
 ALBUM +/- 33
 AMP MENU 9
 ANGLE 38
 AUDIO 39
 CLEAR 19
 CLOCK/TIMER SELECT* 24
 CLOCK/TIMER SET 24
 D.SKIP 5
 digipad 7
 DISPLAY 4
 DSP EDIT* 37
 DVD 16
 DVD DISPLAY* 11
 DVD MENU 11
 DVD SETUP* 9
 DVD TOP MENU 15
 EFFECT* 32
 ENTER 6

F - S

FUNCTION 10
 GAME MODE 36
 GROOVE* 34
 KARAOKE PON* 36
 MOVIE MODE 32
 MUSIC MODE 37
 Numeric buttons 23
 P FILE* 39
 PLAY MODE/DIRECTION 20
 PRESET +/- 27
 PREV/NEXT 27
 REPEAT/FM MODE 22
 RETURN 30
 SCAN/SLOW ◀◀/▶▶ 41
 SELECT 28
 SHIFT 13
 SLEEP 25
 SONY TV DIRECT 17
 SUBTITLE 31

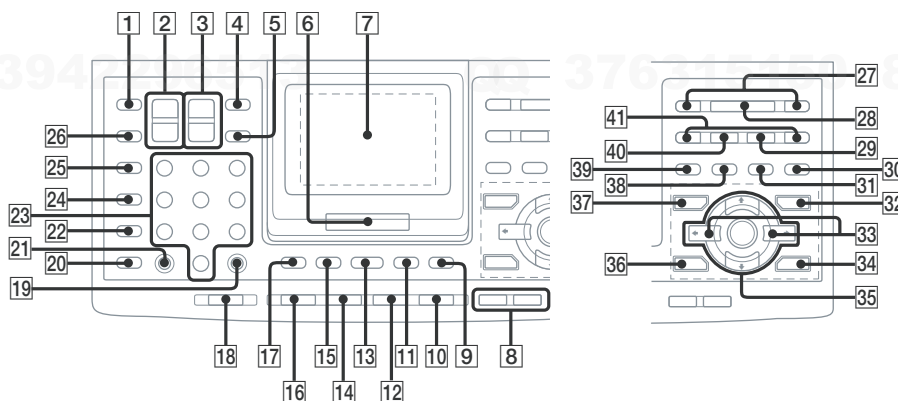
T - V

TAPE A/B 12
 TOOL MODE 34
 TUNER MEMORY* 20
 TUNER/BAND 14
 TUNING +/- 41
 TV/VIDEO 26
 TV I/⏻ 1
 TV CH +/- 3
 TV VOL +/- 2
 VOLUME +/- 8

BUTTON DESCRIPTIONS

I/⏻ (power) 18
 ◀▶ (play) 28
 || (pause) 40
 ■ (stop) 29
 ◀◀ (go back) 27
 ▶▶ (go forward) 27
 ◀◀ (rewind) 41
 ▶▶ (fast forward) 41
 ⬆/⬇/⬅/➡/ENTER 35
 >10 21

* To use these functions, press the button while pressing SHIFT.



6: Setting the clock

- 1 Turn on the system.
- 2 Press **CLOCK/TIMER SET** on the remote.
- 3 Press **◀◀** or **▶▶** repeatedly to set the hour.
- 4 Press **ENTER** on the remote.
- 5 Press **◀◀** or **▶▶** repeatedly to set the minutes.
- 6 Press **ENTER** on the remote.

To adjust the clock

- 1 Press **CLOCK/TIMER SET** on the remote.
- 2 Press **◀◀** or **▶▶** repeatedly to select "CLOCK SET?", then press **ENTER** on the remote.
- 3 Do the same procedures as step 3 to 6 above.

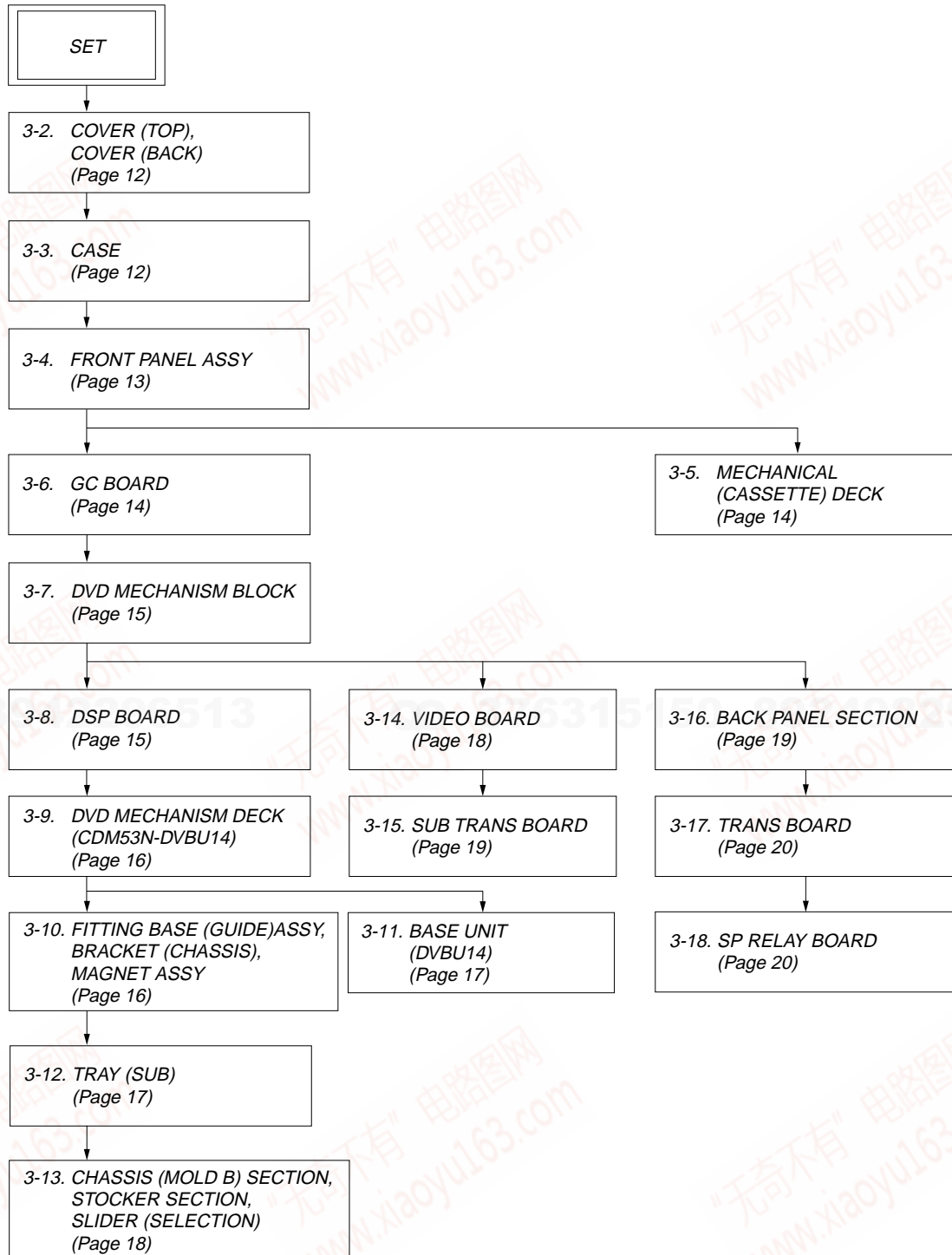
Note

The clock settings are canceled when you disconnect the power cord or if a power failure occurs.

SECTION 3 DISASSEMBLY

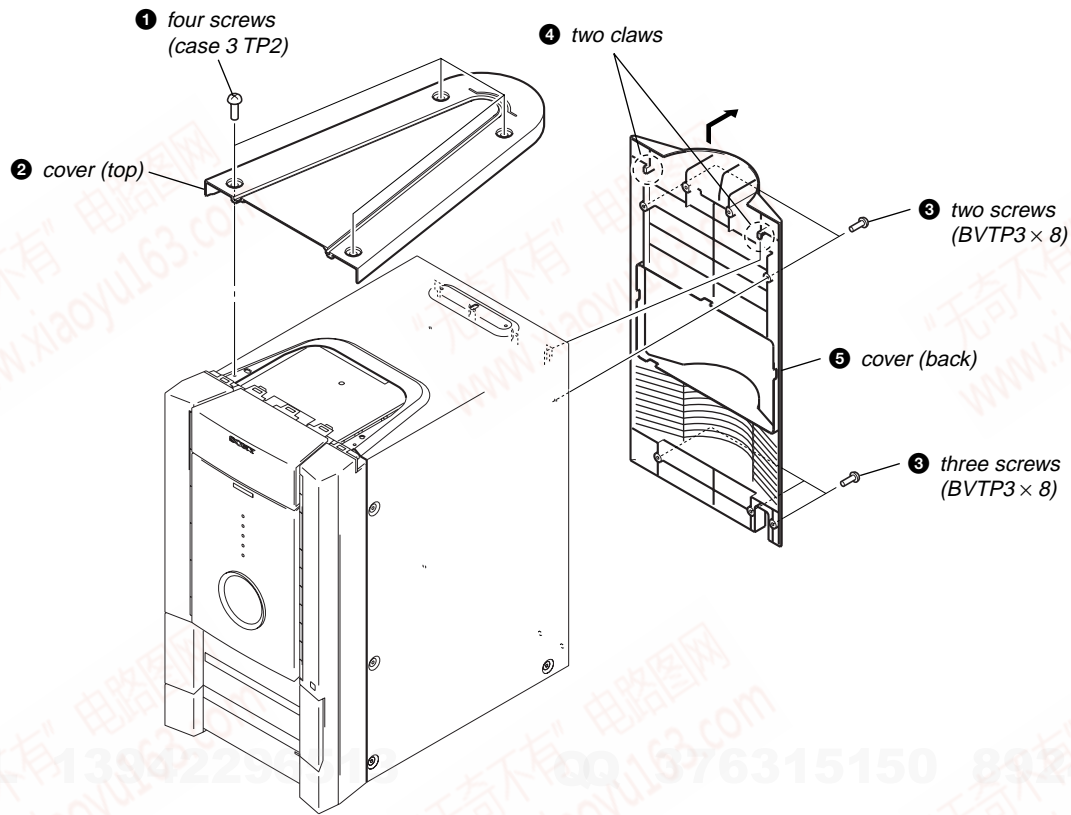
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

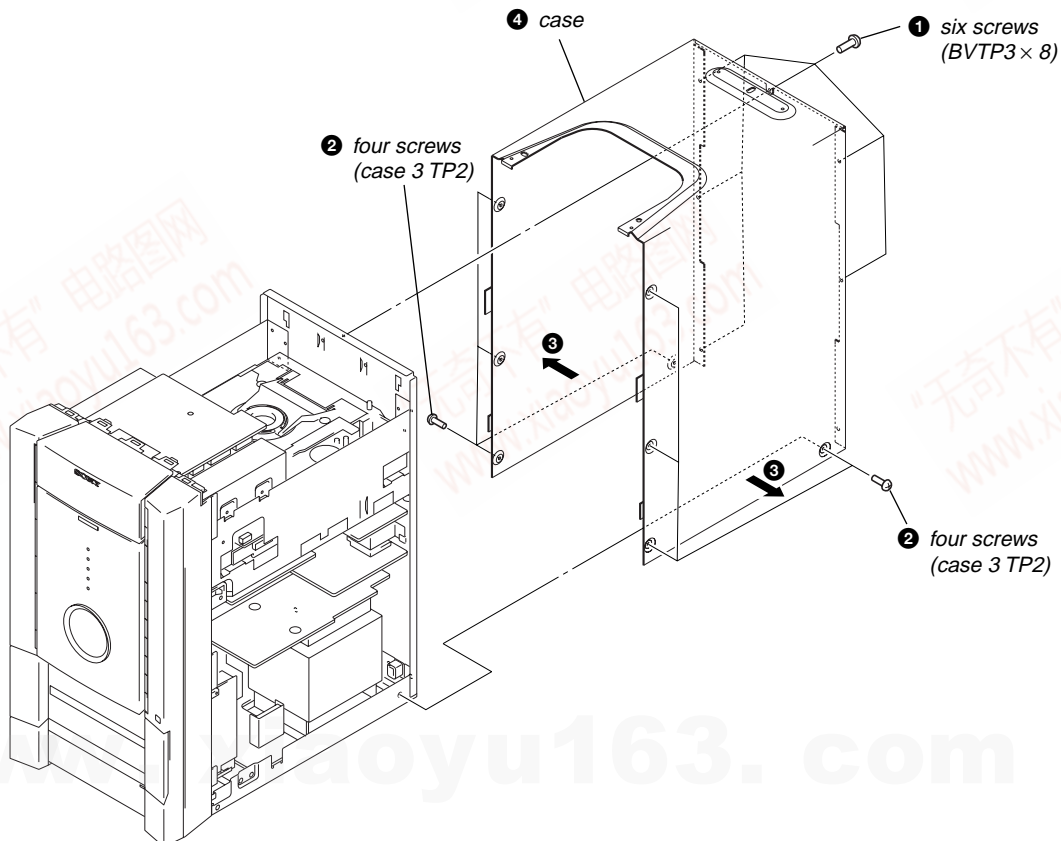


Note: Follow the disassembly procedure in the numerical order given.

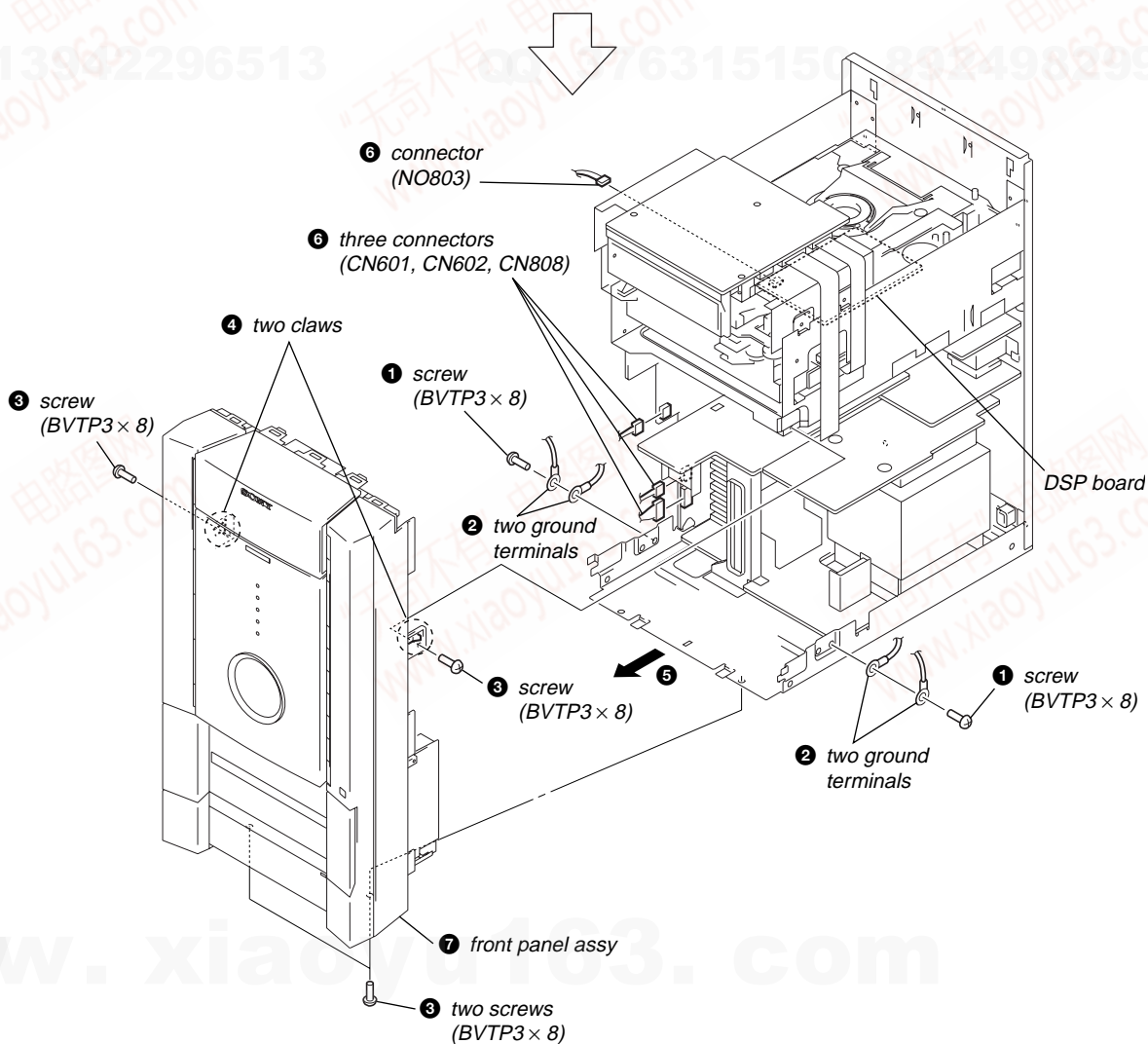
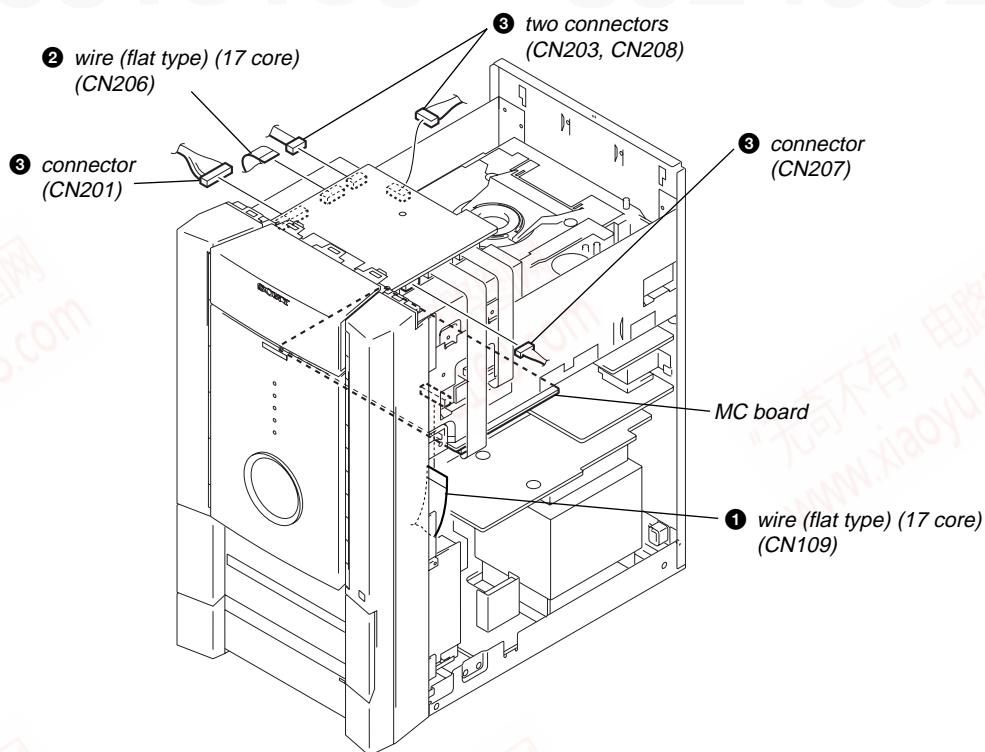
3-2. COVER (TOP), COVER (BACK)



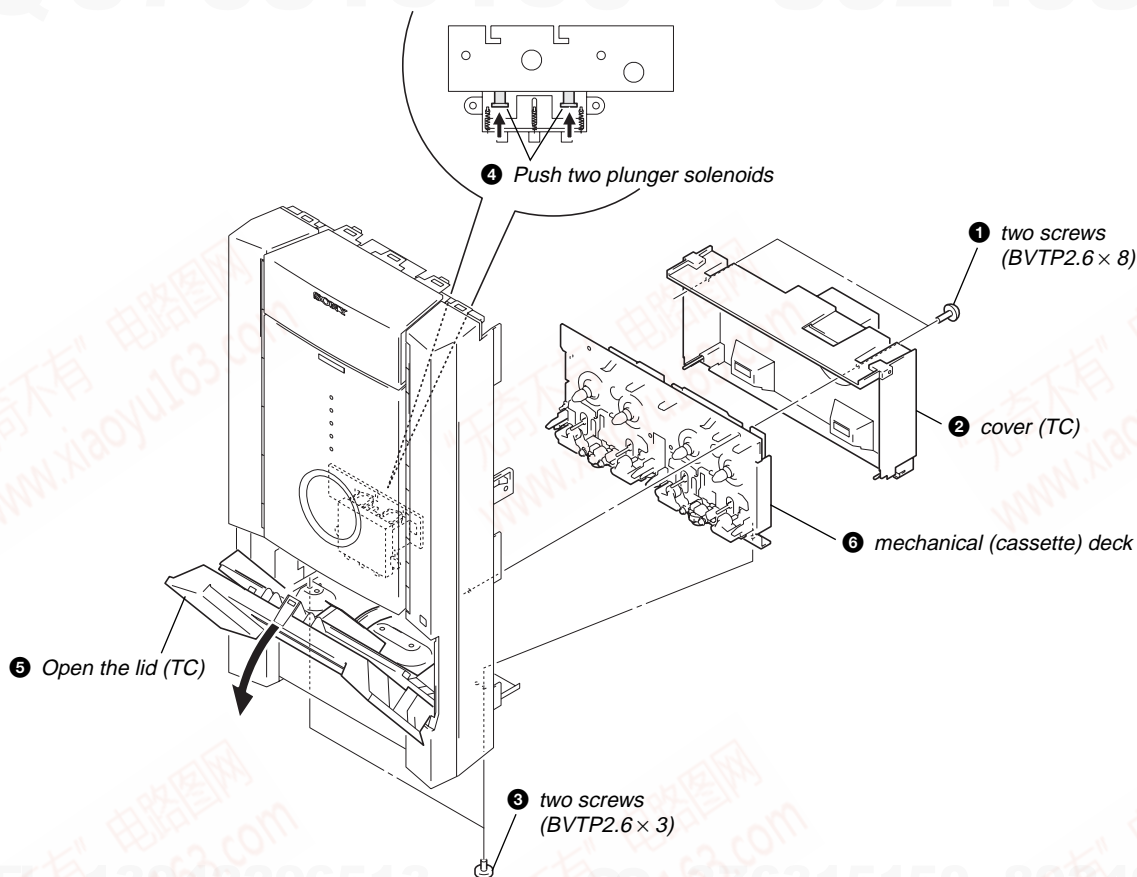
3-3. CASE



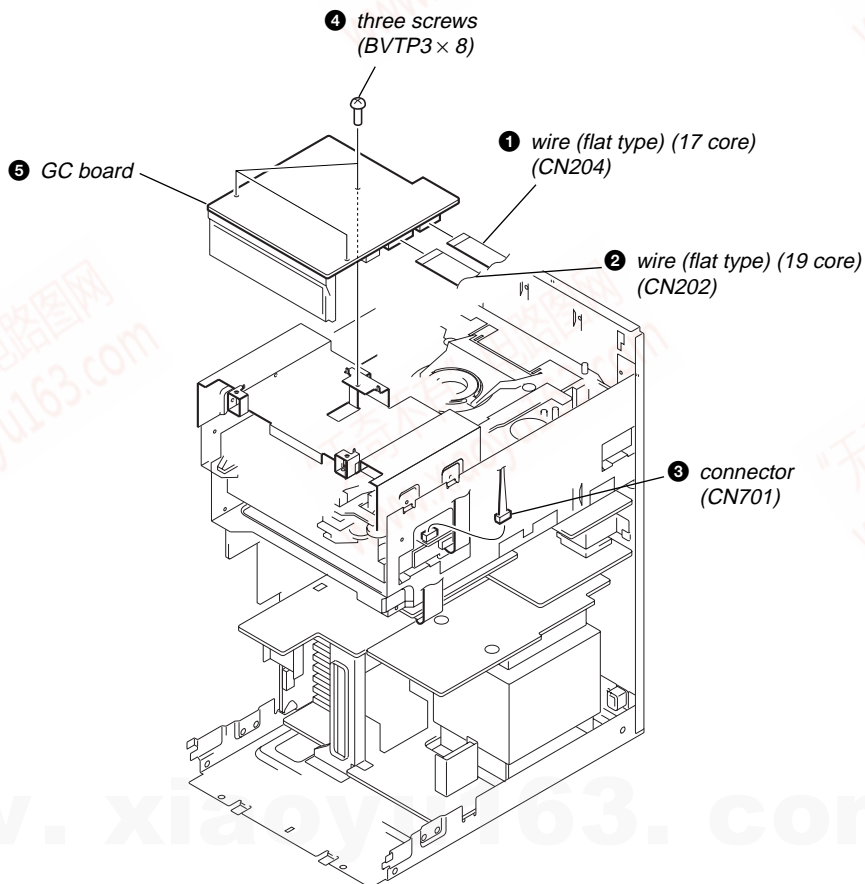
3-4. FRONT PANEL ASSY



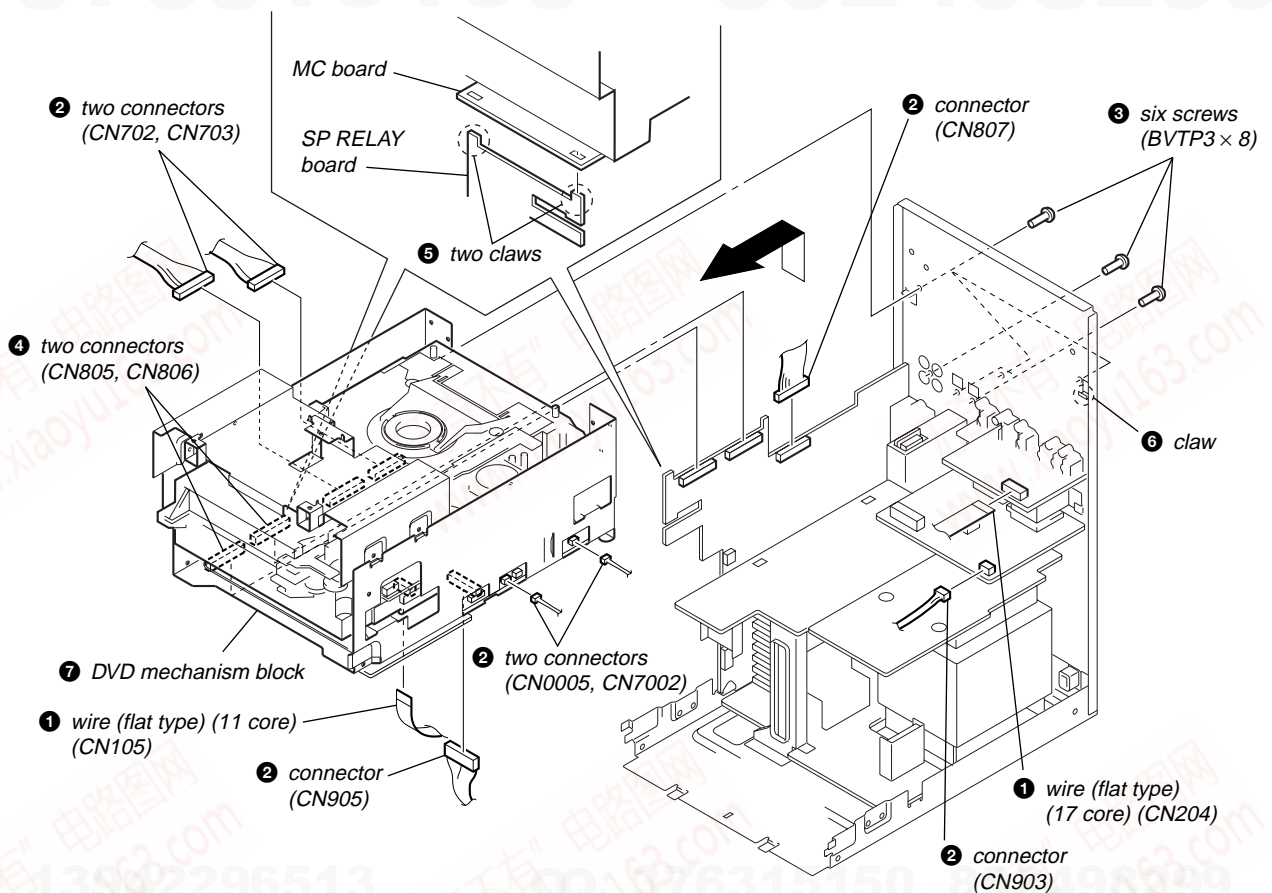
3-5. MECHANICAL (CASSETTE) DECK



3-6. GC BOARD

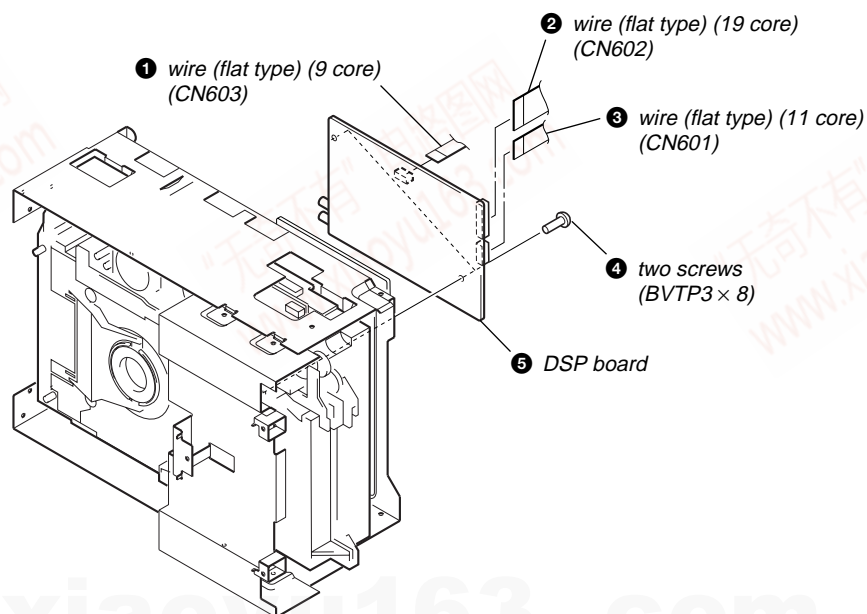


3-7. DVD MECHANISM BLOCK

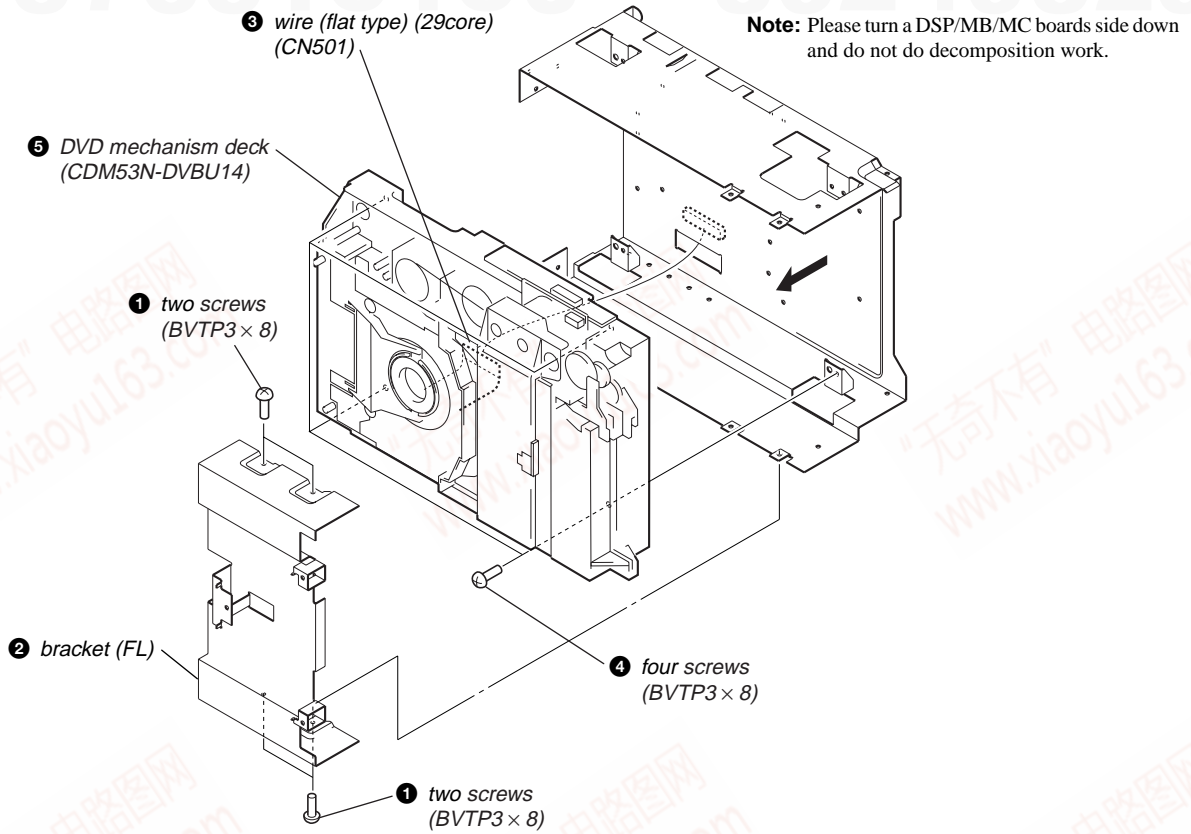


3-8. DSP BOARD

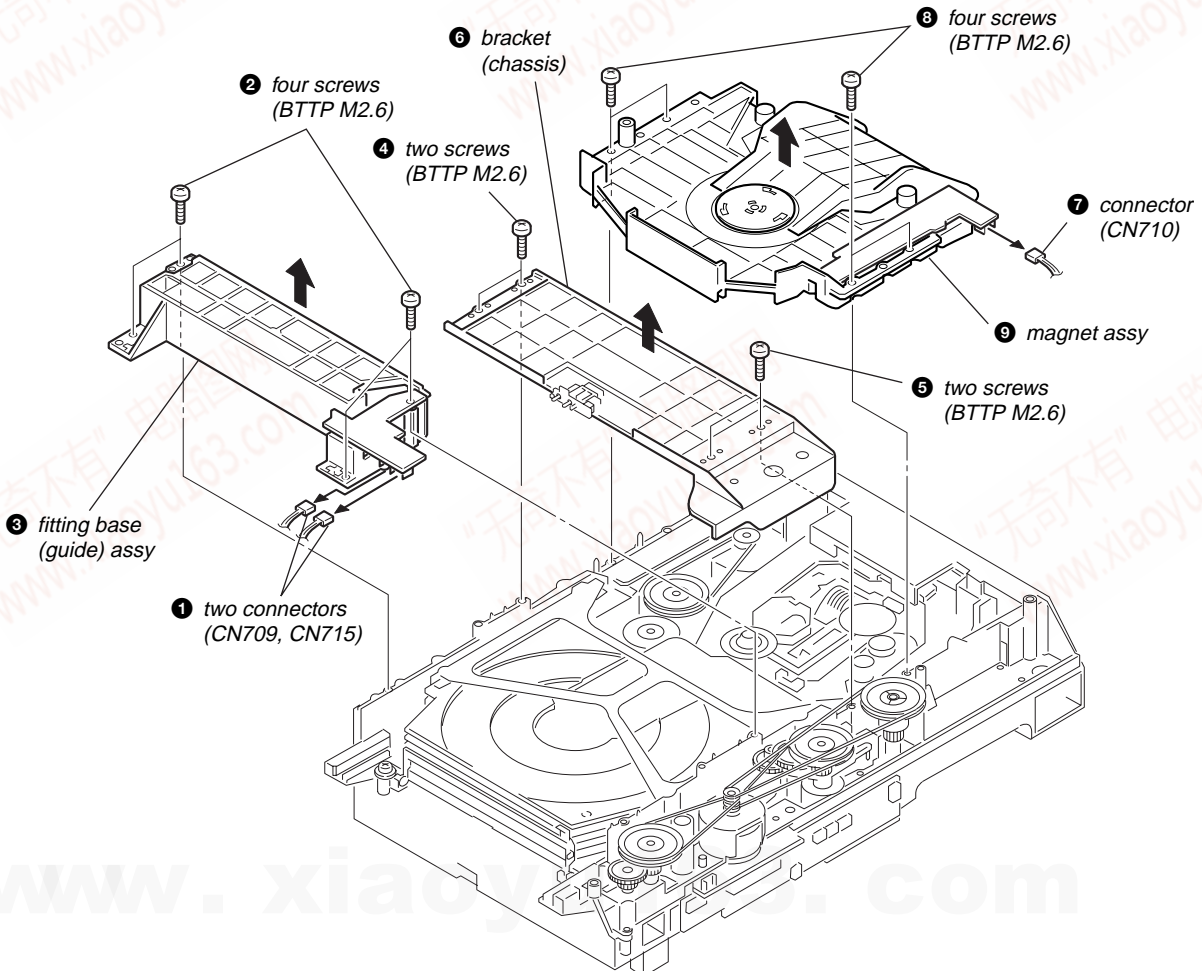
Note: Please turn a DSP/MB/MC boards side down and do not do decomposition work.



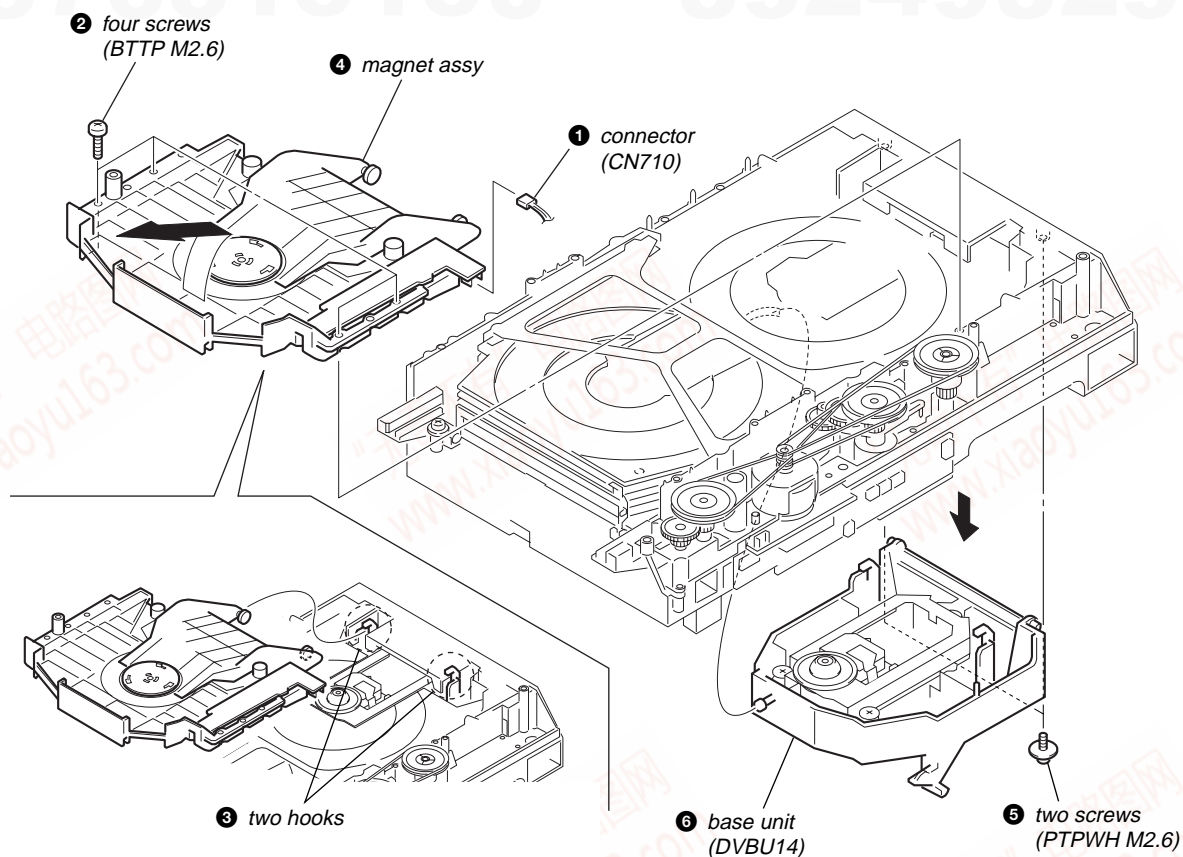
3-9. DVD MECHANISM DECK (CDM53N-DVBU14)



3-10. FITTING BASE (GUIDE) ASSY, BRACKET (CHASSIS), MAGNET ASSY

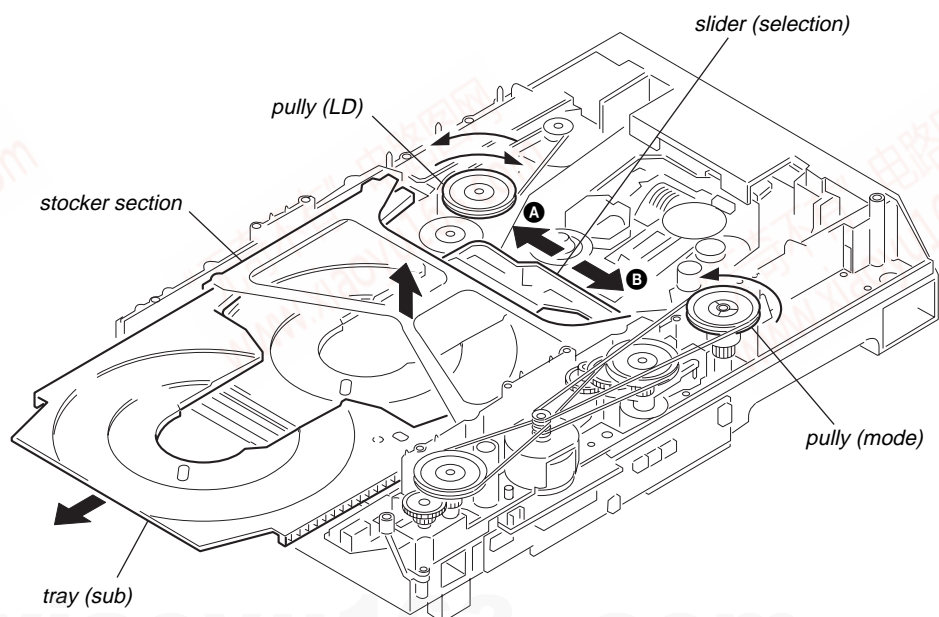


3-11. BASE UNIT (DVBU14)

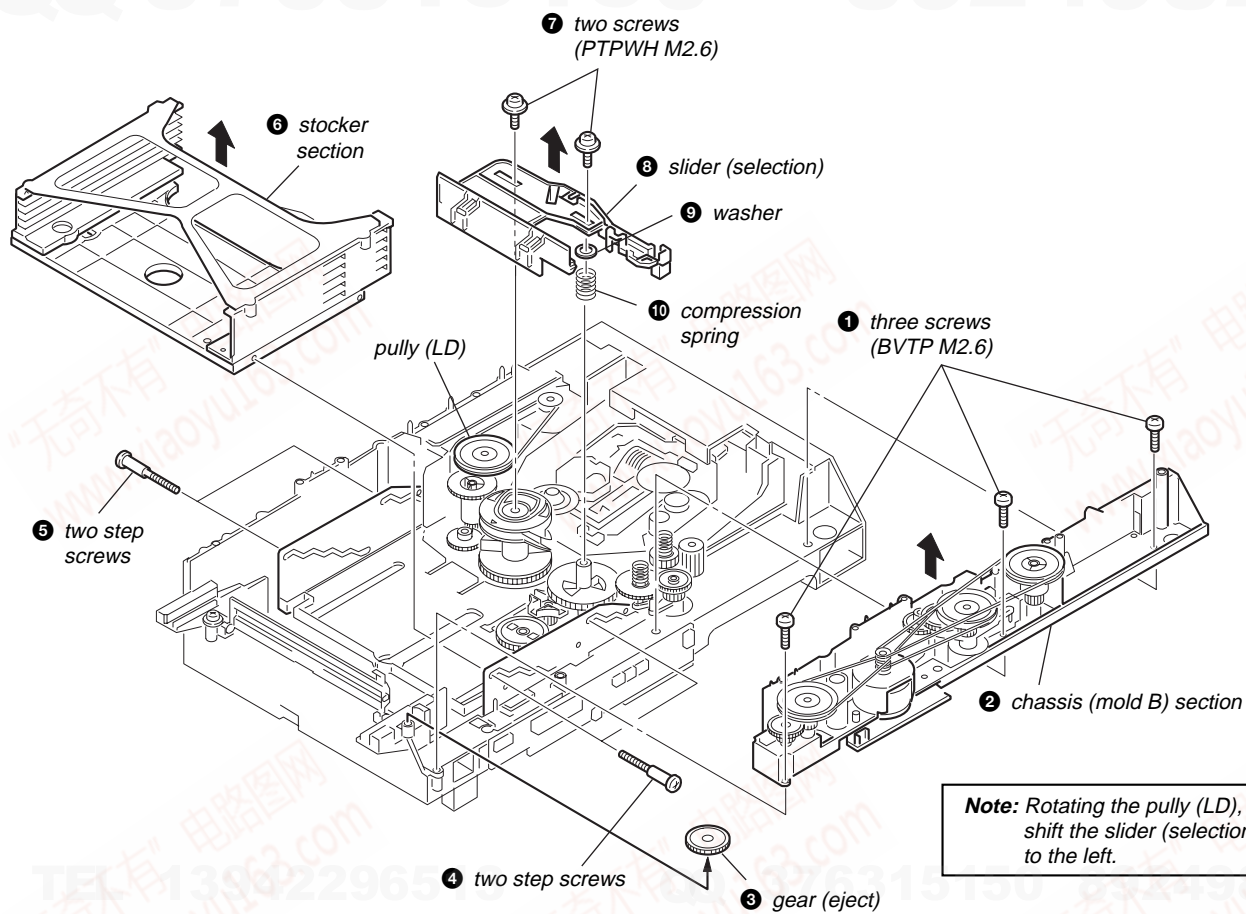


3-12. TRAY (SUB)

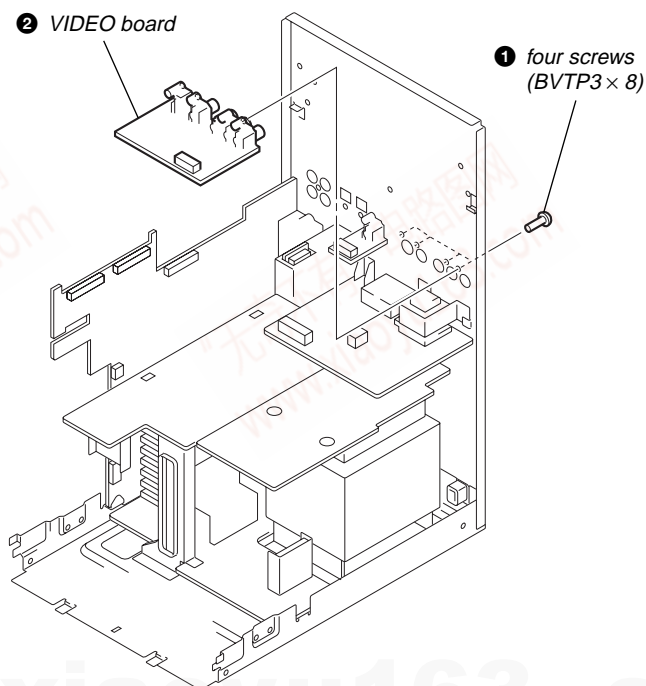
- 1 Rotating the pulley (LD), shift the slider (selection) in the arrow **A** direction.
- 2 Rotating the pulley (mode) in the arrow direction, adjust the tray (sub) to be removed.
- 3 Rotating the pulley (LD), shift the slider (selection) in the arrow **B** direction.
- 4 Rotating the pulley (mode) in the arrow direction, remove the tray (sub) to be removed.



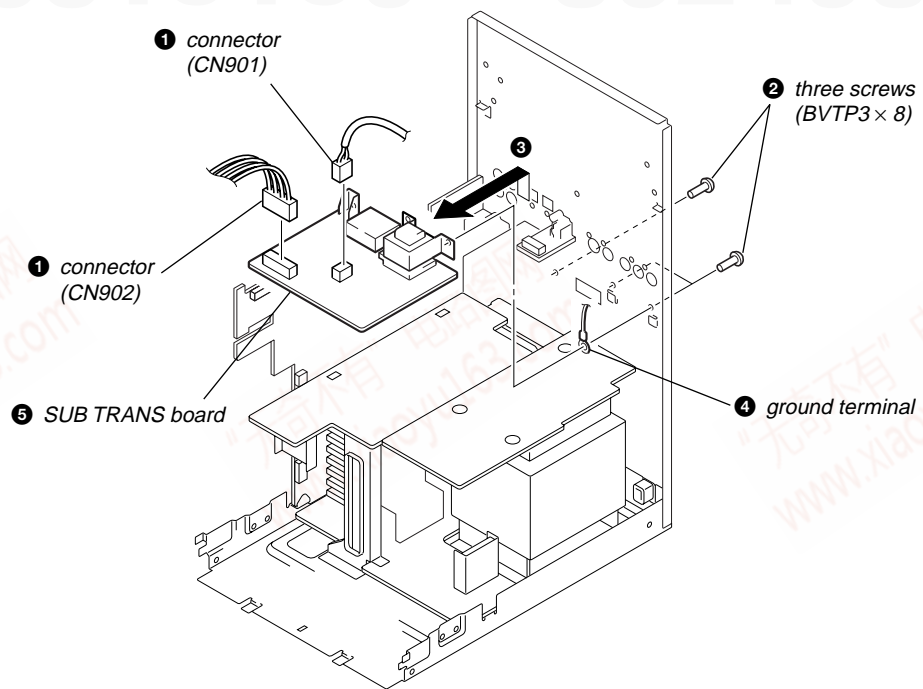
3-13. CHASSIS (MOLD B) SECTION, STOCKER SECTION, SLIDER (SELECTION)



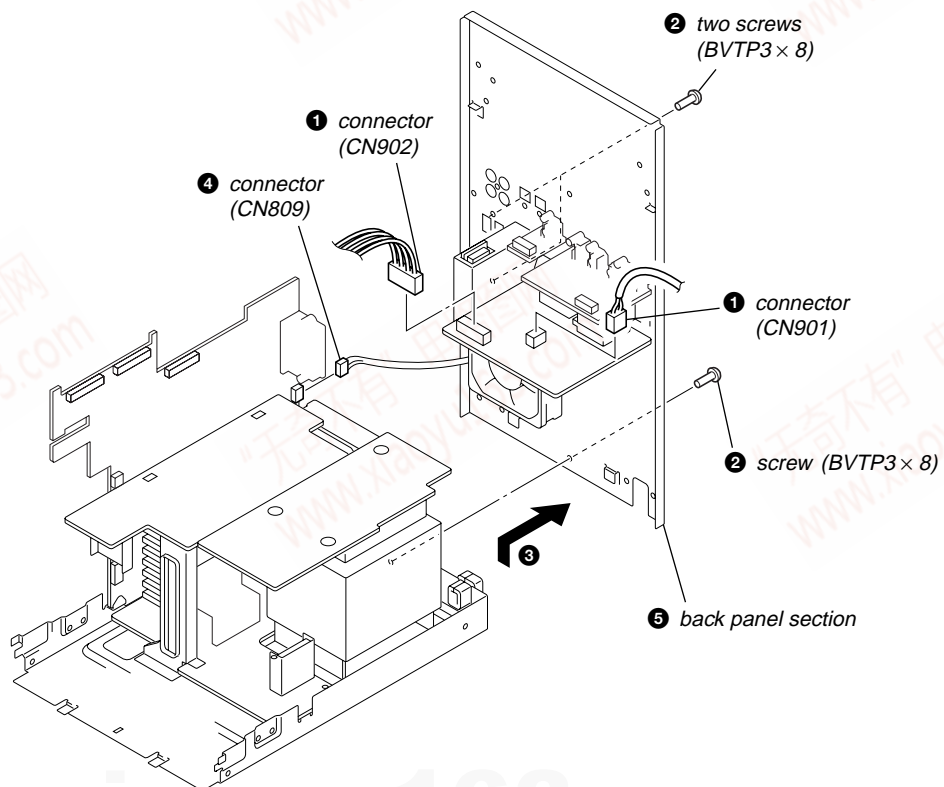
3-14. VIDEO BOARD



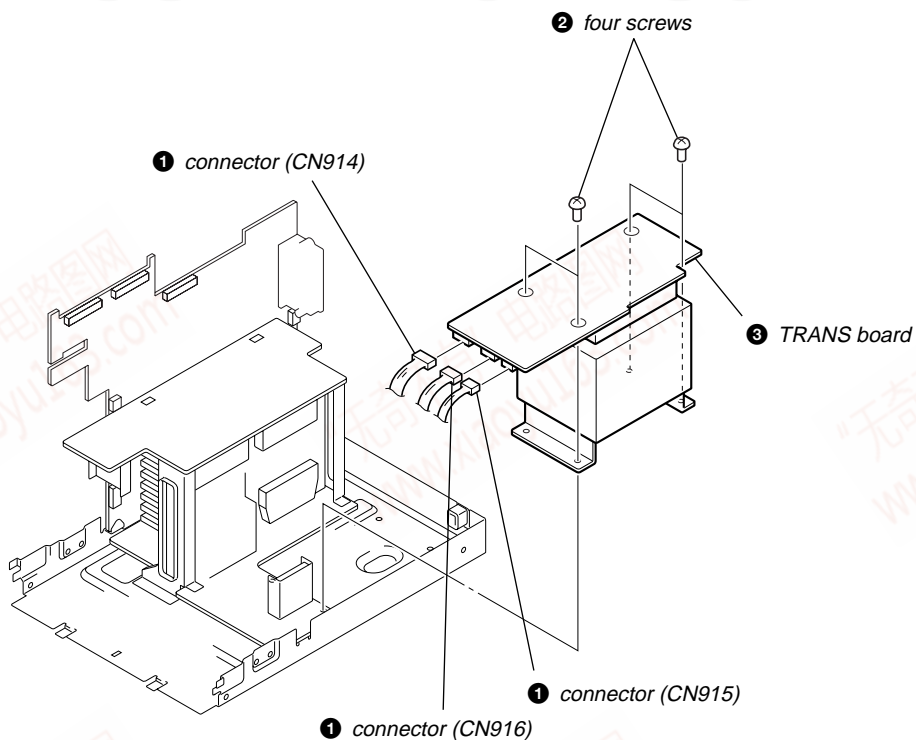
3-15. SUB TRANS BOARD



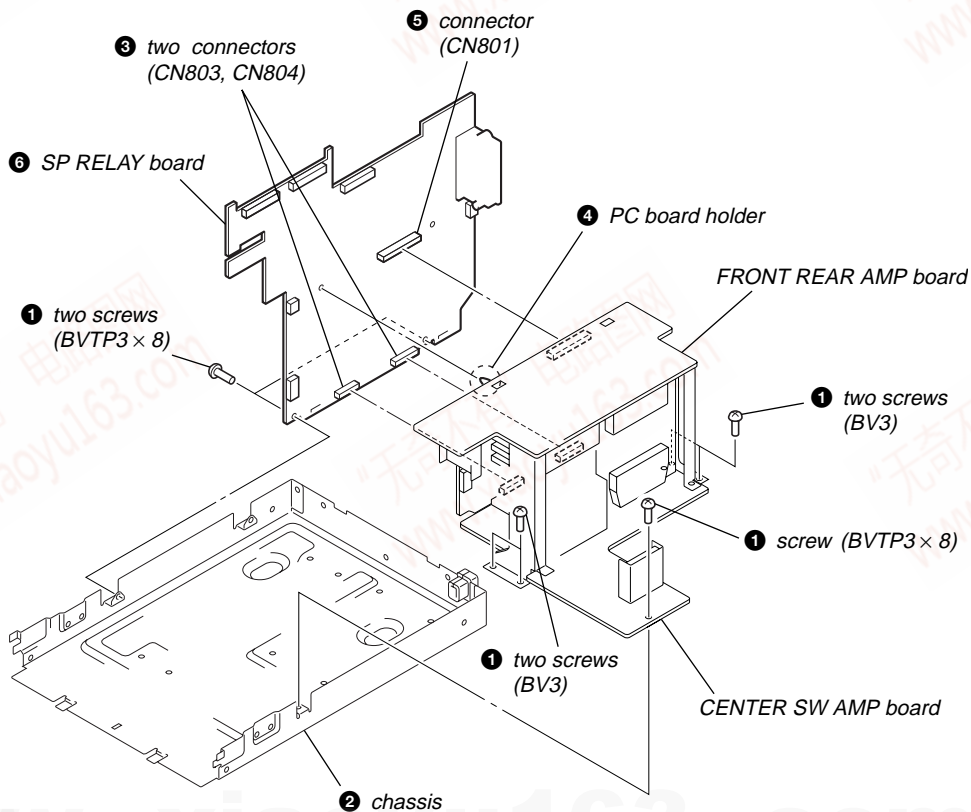
3-16. BACK PANEL SECTION



3-17. TRANS BOARD



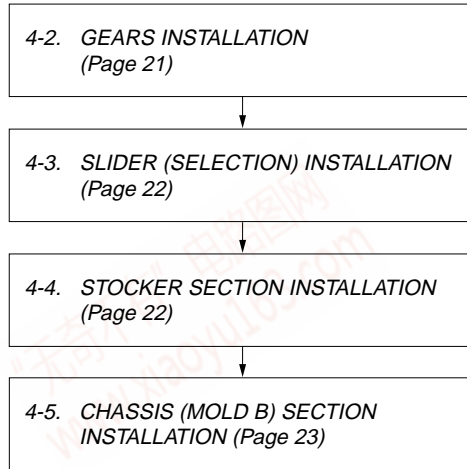
3-18. SP RELAY BOARD



SECTION 4 ASSEMBLY

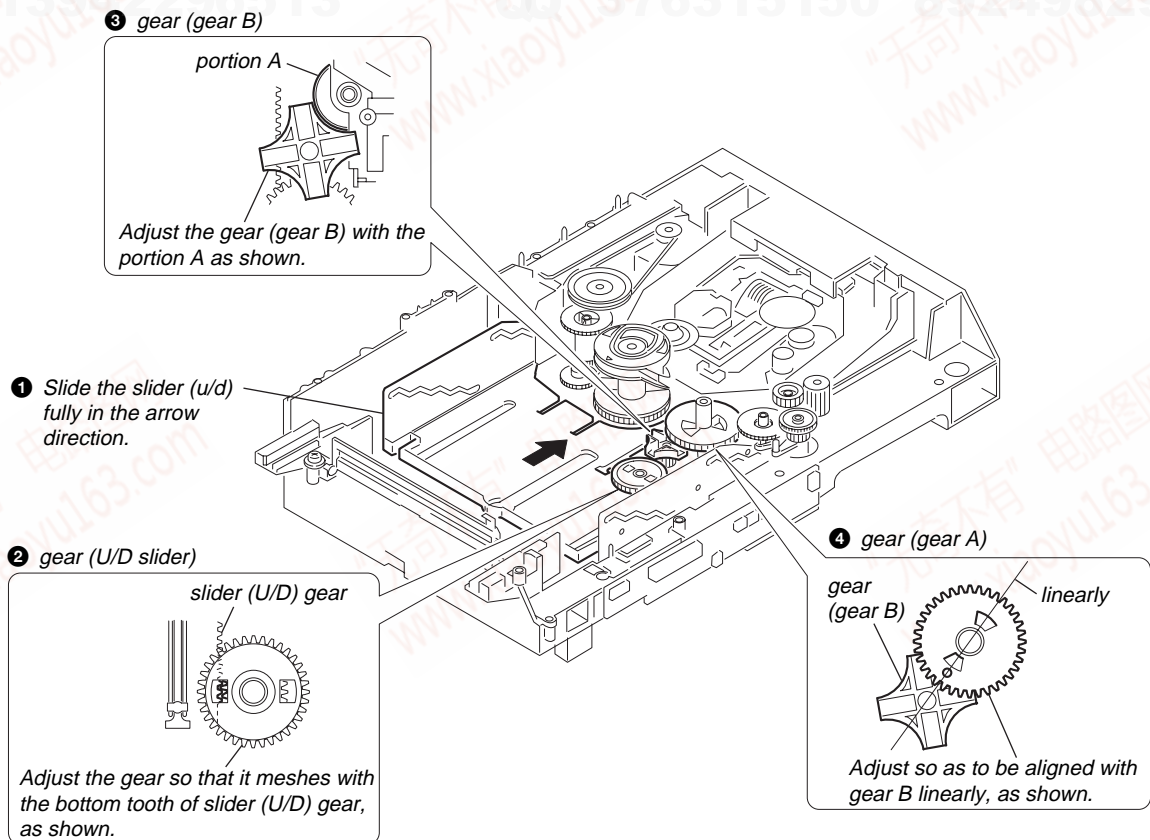
- This set can be assembled in the order shown below.

4-1. ASSEMBLY FLOW

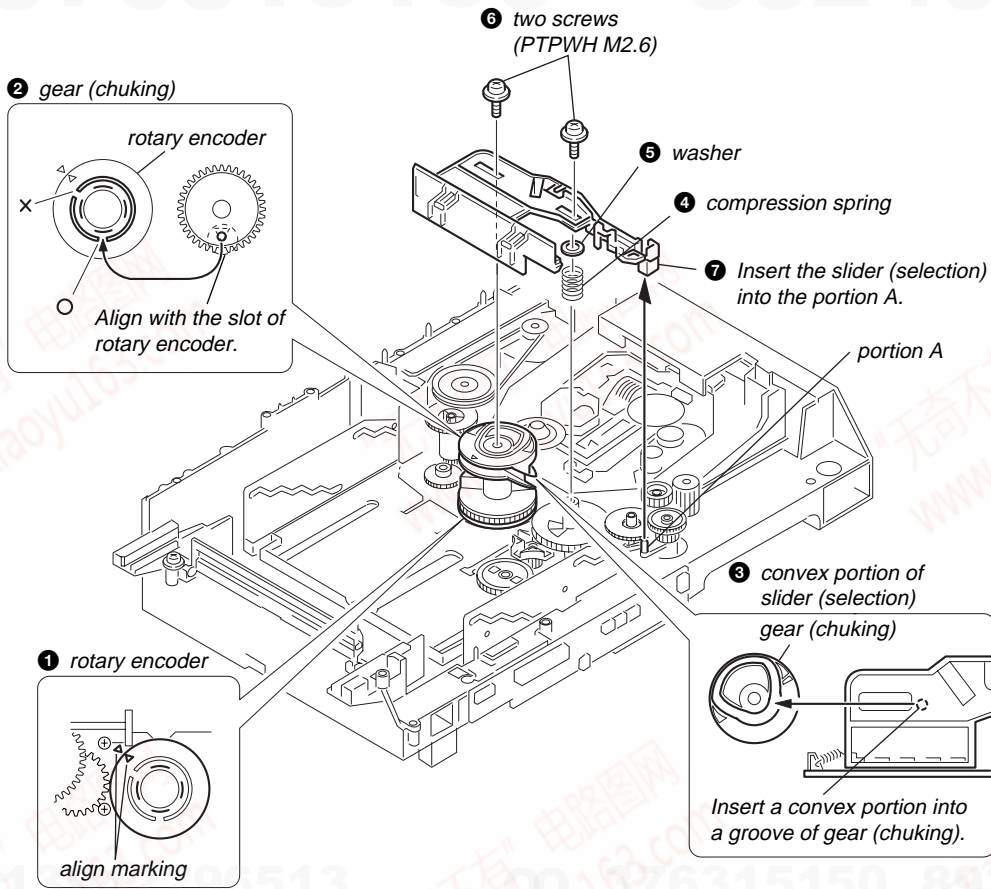


Note: Follow the assembly procedure in the numerical order given.

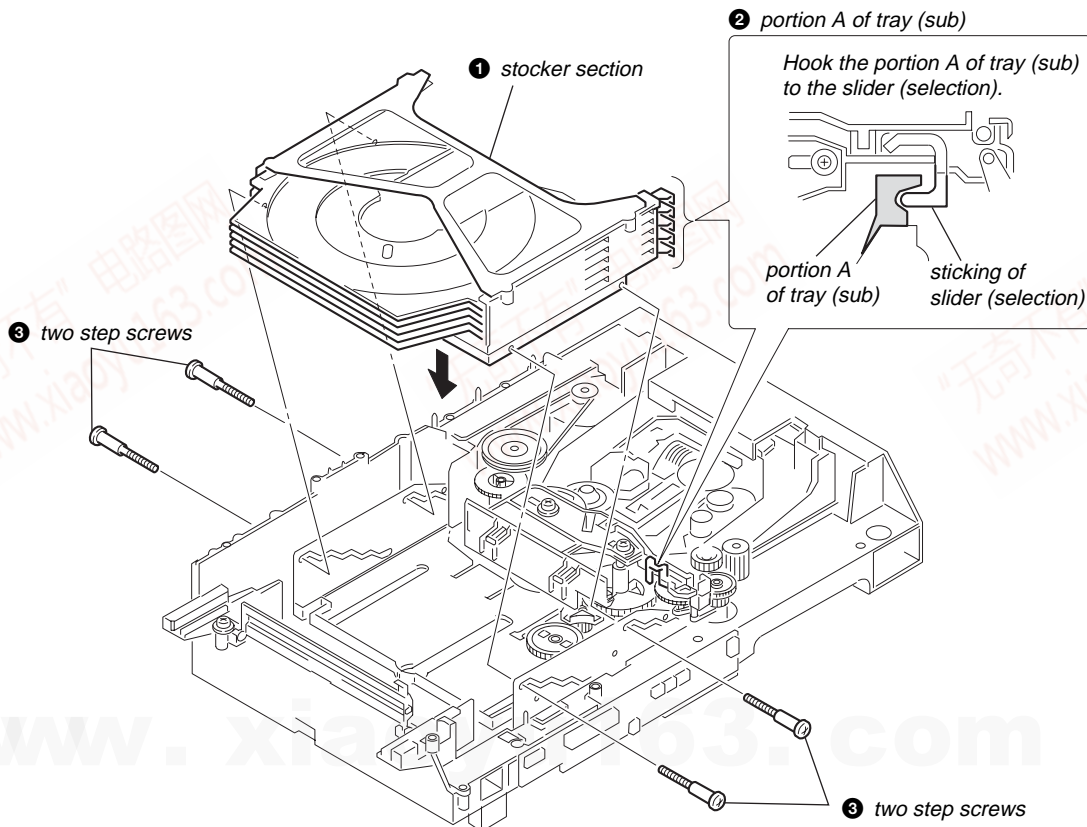
4-2. GEARS INSTALLATION



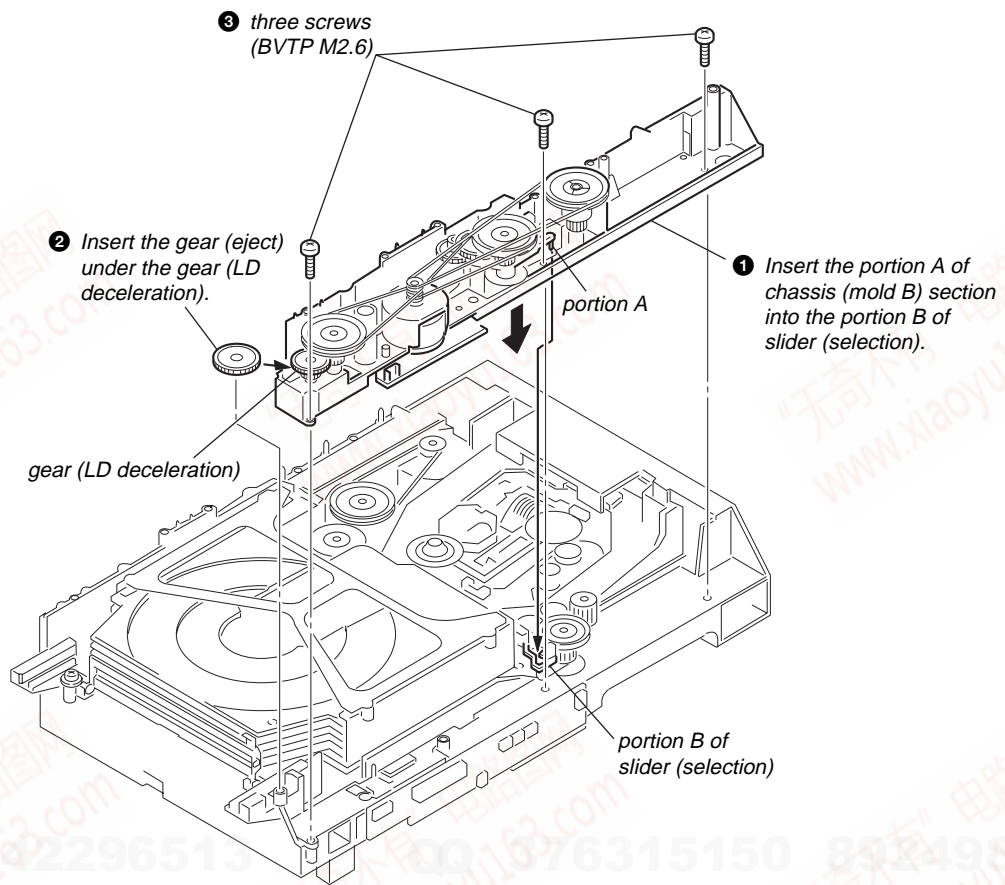
4-3. SLIDER (SELECTION) INSTALLATION



4-4. STOCKER SECTION INSTALLATION



4-5. CHASSIS (MOLD B) SECTION INSTALLATION



SECTION 5 TEST MODE

[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 customer.

Procedure:

- Press three buttons **[MUTE]**, **[DISPLAY]**, and **[GROOVE]** simultaneously.
- The fluorescent indicator tube becomes blank instantaneously, and the set is reset.

[TUNER STEP CHANGE]

(Except FLX5D: Saudi Arabia/FLX7D: Saudi Arabia models)

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

Procedure:

- Press the **[POWER]** button to turn the power on.
- Select the function "TUNER", and press **[TUNER/BAND]** button to select the BAND "AM".
- Press the **[POWER]** button to turn the set OFF.
- Press **[▶+]** and **[POWER]** buttons simultaneously, and the display of fluorescent indicator tube changes to "AM 9 K Step" or "AM 10 K Step", and thus the channel step is changed over.

[FUNCTION CHANGE MODE]

- Select either VIDEO or MD of the external function input.

Procedure:

- Press the **[POWER]** button to turn the power on.
- Hold down **[VIDEO/SAT]** button then press **[POWER]** button, and release **[POWER]** button first in order not in switch off the set immediately.
The another function of the previous function is selected, the input level is also changed and displayed "SAT" or "VIDEO".

[GC TEST MODE]

- This mode is used to check the software version, FL tube, LED, keyboard and VACS.

Procedure:

- Press three buttons **[MUTE]**, **[DISPLAY]**, and **[EFFECT]** simultaneously.
- LEDs and fluorescent indicator tube are all turned on.
- When you want to enter the software version display mode, press **[GROOVE]**. The model number and destination are displayed.
- Each time **[GROOVE]** is pressed, the display changes stating from MC version, GC version, DP version, DVD version, CDDM, CDMA, CDMB, BDA, BDB, ST version, TA version, TM version, TC version, in this order.
- When **[CD SYNC HI-DUB]** is pressed while the version numbers are being displayed except model number and destination, year, month and day of the software creation appear. When **[CD SYNC HI-DUB]** is pressed again, the display returns to the software version display. When **[GROOVE]** is pressed while year, month and day of the software creation are being displayed, the year, month and day of creation of the software versions are displayed in the same order of version display.
- Press **[EFFECT]** button, and the key check mode is activated.
- In the key check mode, the fluorescent indicator tube displays "KXX V0 C T". Each time a button is pressed, "K" value decreases.

However, once a button is pressed, it is no longer taken into account.

"V" value increases like 1, 2, 3...if rotating **[VOLUME]** knob in the clockwise, or it decreases like 0, 9, 8...if rotating in the counterclockwise.

Each time the "CD DOOR LOCK DETECT" or "CD DOOR OPEN/CLOSE DETECT" switch is turned on, "C" value increases.

Each time the "CASSETTE LID OPEN/CLOSE DETECT" switch is pressed, "T" value increases.

- Also when **[GROOVE]** is pressed after lighting of all LEDs and fluorescent indicator tube, value of VACS appears.
- To exit from this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

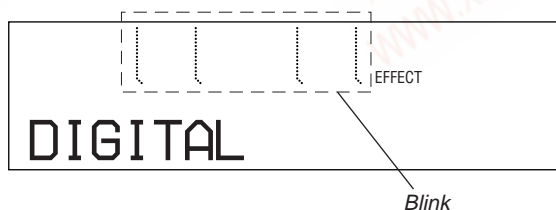
[MC TEST MODE]

- This mode is used to check operations of the respective sections of Amplifier, Tuner, and Tape.

1. Entering the MC Test Mode

Procedure:

- Press the **[POWER]** button to turn the power on.
- Press the three buttons of **[MUTE]**, **[DISPLAY]** and **[CD SYNC HI-DUB]** simultaneously.
- The segments blinks on the fluorescent indicator tube as bellow.



2. Releasing the MC Test Mode

Procedure:

- To release this mode, press the **[POWER]** button.
- The cold reset is enforced at the same time.

3. Check of Amplifier

Initial settings:

- Input → DIGITAL
- EQ → FLAT
- Mode → MUSIC
- VACS → OFF

Output channel setting:

Each time the **[EFFECT]** button is pressed, output channels switch as following order.

Order	Channels	Bass Manage	VACS*1
1	L → L R → R	Through	ON
2	L → L R → R	Through	OFF
3	L → SL R → SR	Through	ON
4	L → SL R → SR	Through	OFF
5	L → L, C, SL R → R, SR, SW	on	ON
6	L → L, C, SL R → R, SR, SW	on	OFF
7	L → C R → SW	Through	ON
8	L → C R → SW	Through	OFF

*1) "EFFECT" indication

Volume check:

1. When the [VOLUME] knob is turned clockwise even slightly, the sound volume increases to its maximum and a message "VOLUME MAX" appears for two seconds, then the display returns to the original display.
2. When the [VOLUME] knob is turned counterclockwise even slightly, the sound volume decreases to its minimum and a message "VOLUME MIN" appears for two seconds, then the display returns to the original display.

Tuner Function

1. In the test mode, the default-preset channel is called even when the TUNER is selected and an attempt is made to call the preset channel that has been stored in memory. (It means that the memory is cleared)
2. The minimum, center and maximum frequency of each band is set then.

4. Tape Recording Test**Procedure:**

1. Enter the MC Test Mode.
2. Load tapes in both tape decks A and B.
3. Press the REC button to start recording.
4. Pressing the [◀] or [▶] buttons during recording returns the tape to the recording start position and stops it at this position.
5. Pressing the "High Speed Dubbing" key while playing back the tape of deck B switches the playback speed between "Normal Speed" and "High Speed".

Note: When the playback direction of the tape is set to other than "ONLY WAY", the restriction on the number of times playback which can be repeated will be cleared.

5. AMS Test Mode**Procedure:**

1. Enter the MC Test Mode and press the [TAPE A/B] button to set the TAPE function.
2. Insert a test tape AMS-110A or AMS-120 to deck A.
3. Press the [▶] button to enter the AMS test mode.
4. After a tape is rewound first, the FF AMS is checked, and the mechanism is shut off after detecting the AMS signal the AMS signal twice.
5. Then the REW AMS is checked and the mechanism is shut off after detecting the AMS signal twice.
6. When the check is complete, a message of either OK or NG appears.

6. ALC MODE**Procedure:**

1. Enter the MC Test Mode and press the [REC PAUSE/START] button 2 times to recording start.
2. While pressing the [◀] button, ALC is on. (normally, ALC is off in recording state.)

[DVD SHIP MODE (MEMORY CLEAR)]

- This mode moves the optical pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.

Procedure:

1. Press the [I/O] button to turn the power on.
2. Press three buttons [■], [CD SYNC HI-DUB] and [DVD] simultaneously.
3. After the "STANDBY" display blinks, a message "LOCK" is displayed on the fluorescent indicator tube, and the CD ship mode is set.

[DVD SHIP MODE (NO MEMORY CLEAR)]

- This mode moves the optical pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.

Procedure:

1. Press the [I/O] button to turn the power on.
2. Press the [DVD] and [I/O] buttons simultaneously.
3. After the "STANDBY" display blinks, a message "LOCK" is displayed on the fluorescent indicator tube, and the CD ship mode is set.

[VACS ON/OFF MODE]

- This mode is used to switch on or off the VACS (Variable Attenuation Control System).

Procedure:

1. Press two buttons of [▶] and [A ▲] for more than 1 second simultaneously.
2. When VACS is switch on, it displays "VACS OFF". When VACS is switch off, it displays "VACS O".

[CD REPEAT 5 LIMIT OFF MODE]

Number of repeat for CD playback is 5 times when the repeat mode is "REPEAT". This mode enables CD to repeat playback for limitless times.

Procedure:

1. Press the [I/O] button to turn the power on, and press the [DVD] button to select the function "DVD".
2. Press two buttons of [▶] and [CD SYNC HI-DUB] for more than 1 second simultaneously to enter the CD repeat 5 limit off mode.
3. To release this mode, operate the cold reset. (Refer to the "MC COLD RESET")

[DISC TRAY LOCK]**Procedure:**

1. Press the [I/O] button to turn the power on.
2. Press the [DVD] button to select the function "DVD".
3. Press two buttons of [▲] (DVD) and [■] simultaneously for five seconds.
4. The message "LOCKED" is displayed and the tray is locked. (Even if exiting from this mode, the tray is still locked)
5. To exit from this mode, press two buttons of [▲] (DVD) and [■] simultaneously for five seconds again.
6. The message "UNLOCKED" is displayed and the tray is unlocked.

HCD-DFLX9W

[DVD TEST MODE GENERAL DESCRIPTION]

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

[TEST DISC LIST]

Use the following test disc on test mode.

TDV-520CSO (DVD-SL): PART No. J-2501-236-A

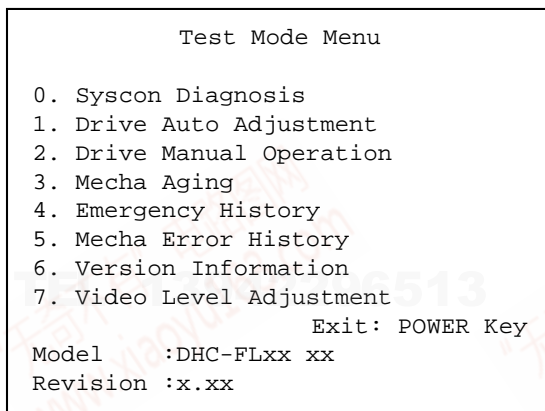
LUV-P01 (CD): PART No. 4-999-032-01

TDV-540C (DVD-DL): PART No. J-2501-235-A

Note: Do not use existing test disc for DVD.

[STARTING DVD TEST MODE]

1. Press the **[POWER]** button to turn the power on.
2. Select the function "DVD".
3. Press the **[POWER]** button to turn the power off.
4. While pressing the **x** button, press the **[DVD]** button and turn the **[VOLUME]** knob in the clock wise.
5. It displays "SERVICE IN" on the fluorescent indicator tube, and displays the Test Mode Menu on the monitor screen as follows. (At the bottom of the menu screen, the model name and revision number are displayed)



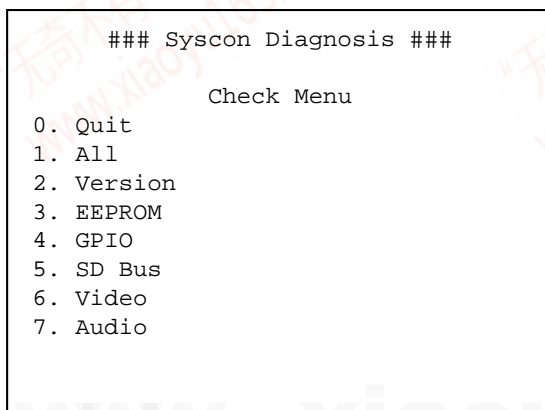
6. To execute each function, select the desired menu and press its number on the remote commander (RM-SFL7).
7. To release from test mode, press the **[POWER]** button and turn the power off.

[OPERATING DVD TEST MODE]

0. SYSCON DIAGNOSIS

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

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



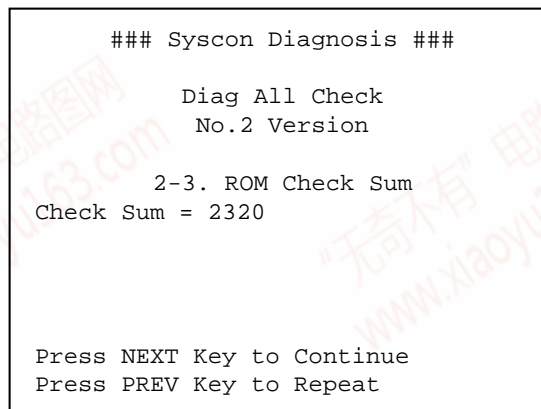
0-0. Quit

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

0-1. All (All items continuous check)

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

• Example display



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

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

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

• Error occurred

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

General Description of Checking Method

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

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

Check Items List:

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

0-2. Version

0-2-2. Revision

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

0-2-3. ROM Check Sum

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

0-2-4. Model Type

Model name is displayed. (DHC-FL9W)

0-2-5. Region

Model destination code is displayed. (2 digits number)

0-3. EEPROM Check

0-3-1. Sampling Check

EEPROM check at every 64 words.

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

0-3-2. Detail Check

EEPROM check at every 1 word.

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

0-4. GP I/O Check

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

0-5. SD Bus Check

SD bus data check between DVD decoder (IC701) and MPEG DECODER (IC206).

0-6. Video Check

Output the color bars for video level adjustment.

0-7. Audio Check

Output the test signal (1kHz sine wave) for 2 CH test.

1. DRIVE AUTO ADJUSTMENT

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

```

## Drive Auto Adjustment ##
      Adjustment Menu

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

Exit: RETURN

```

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

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

1-0. ALL

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

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

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

1-1. DVD-SL (single layer)

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

1-2. CD

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

1-3. DVD-DL (dual layer)

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

HCD-DFLX9W

2. DRIVE MANUAL OPERATION

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

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

```

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

Exit: RETURN
    
```

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

```

Note:
1. Set correctly the disc type to be used on the Disc Type screen.
2. In case of an alarm, exit the manual operation menu immediately to stop the servo operation, and press the [I/O] button to turn the power off.
    
```

Basic operation:

(controllable from front panel or remote commander)

- [POWER] : Power OFF (release the Test Mode)
- [EJECT] : Stop and eject/Loading
- [RETURN] : Return to Operation Menu or Test Mode Menu
- [PREV] [LEFT], [NEXT] [RIGHT] : Transition between sub modes of menu
- [1] to [9], [10/0] : Selection of menu items
- Cursor [DOWN]/[UP] : Increase/Decrease in manually adjusted value

2-1. Disc Type

```

Disc Type

Disc Type Select

1. Disc Type Auto Check
2. Set Disc Type DVD
3. Set Disc Type CD
4. Set Disc Type Hybrid

Exit: RETURN
    
```

2-1-1. Disc Type Auto Check

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

```

Disc Type Auto Check

Disc Type xx
Layer xx
Mirr Time xx
Mirr Count xx
FZC Count xx
PI Reference xx
PI Peak xx

ENTER. Execute

Exit: RETURN
    
```

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

2-1-2. Disc Type DVD

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

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

2-1-3. Disc Type CD

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

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

2-1-4. Disc Type Hybrid

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

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

2-2. Servo Control

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

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

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

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

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

2-3. Track/Layer Jump

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

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

- 1 1Tj FWD : 1 track jump forward.
- 2 1Tj REV : 1 track jump reverse.
- 3 500Tj FWD : 500 track jump (fine search)forward.
- 4 500Tj REV : 500 track jump (fine search) reverse.
- 5 10kTj FWD : 10k track jump (direct search) forward.
- 6 10kTj REV : 10k track jump (direct search) reverse.
- 7 20kTj FWD : 20k track jump (direct search) forward.
- 8 20kTj REV : 20k track jump (direct search) reverse.
- LjL0 → L1 : Layer jump L0 → L1
- ← LjL1 → L0 : Layer jump L1 → L0
- ↑ FjL0 → L1 : Focus jump L0 → L1
- ↓ FjL1 → L0 : Focus jump L1 → L0
- 10/0 : All servo off.

2-4. Non EEPROM Write Adjust

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

On this screen, each item can be adjusted automatically. Select the desired number 1 to 10/0 from the remote commander. This value is not stored in the EEPROM.

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

HCD-DFLX9W

2-5. EEPROM Write Adjust

```

EEPROM Write Adjust

1. Focus Offset
2. Focus Gain
3. Trk. Offset Coarse
4. _____
5. Trk. Gain
6. EQ Boost

0.All Servo Off

Exit: RETURN
    
```

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

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

2-6. Memory Check

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

```

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

```

EEPROM Data 2/2  CDRW  DVDRW
Focus Gain       xx  xx
Trk. Gain        xx  xx
Focus Offset     xx  xx
Trk. Offset      xx  xx
EQ. Boost        xx  xx

Next:UP Default:CLR      Exit:RET
    
```

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

Before clearing the adjusted data, make a note of the set data.

2-7. Disc Check Memory

```

Disc Check Memory

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

Exit: RETURN
    
```

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

2-8. Error Rate Display

```

Error Rate Display
          UC  CR  Address
PI1 Err Now xx xxxx xxxxxxxx
          Max xx xxxx xxxxxxxx
          Avg xx xxxx xxxxxxxx
PI2 Err Now xx xxxx xxxxxxxx
          Max xx xxxx xxxxxxxx
          Avg xx xxxx xxxxxxxx
PO  Err Now xx xxxx xxxxxxxx
          Max xx xxxx xxxxxxxx
          Avg xx xxxx xxxxxxxx

Exit: RETURN
    
```

On this screen, measure and display the error rate.

UC : Incorrect value
CR : Correct value

2-9. SACD Water Mark Check

```

SACD Water Mark Check

PSP AMP
PSN

Start: ENTER      Exit: RETURN
    
```

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

3. MECHA AGING

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

```

    ### Aging Test MENU ###
    ** Pls use over 40 min.CD **
      Operation Menu

    1. Open/Close Test

                                     Exit: RETURN
    
```

- 1) Set over-40-min. CDs in Disc 1 to 5.
- 2) On the Aging Test MENU screen, press the [1] key on the remote commander to display the Open/Close Test screen.
- 3) Insert discs and press the [ENTER] key on the remote commander.
- 4) It starts the aging.
During aging, the disc number, operating status and repeat cycle are displayed. Aging can be aborted at any time by pressing the [RETURN] key. After the operation is stopped, press the [RETURN] key aging to return to the Aging Test MENU.

4. EMERGENCY HISTORY

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

```

    ### EMG. History ###

    Laser Hours      CD  xxxhxxm
                    DVD xxxhxxm

    a.  bb xx xx xx  xx xx xx xx
        xx xx xx xx  xx xx xx xx

    a.  bb xx xx xx  xx xx xx xx
        xx xx xx xx  xx xx xx xx

    Select:1-9      Scroll:UP/DOWN
    (1.Latest EMG.) Exit: RETURN
    
```

xxxhxxm: The laser on total hours. Data below minutes are omitted.
a. : Error number.
bb : Error code.
xx : Not used.

• Clearing History Information

Clearing laser hours:

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

Clearing emergency history:

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

Initializing EEPROM data:

Press [DVD MENU] and [CLEAR] keys in this order.
The data have been initialized when "EEPROM Initialize Finished" message is displayed, press the [RETURN] key to return to the EMG. History screen.

• Code list of Emergency History

- 10: Communication to RF AMP (IC001) failed.
- 11: Each servo for focus, tracking, and spindle is unlocked.
- 12: Check sum error of EEPROM (IC903).
- 14: Communication to servo DSP (IC509) failed, or servo DSP (IC509) is faulty.
- 15: Communication to DVD decoder (IC701) failed, or DVD decoder (IC701) is faulty.
- 16: Communication to DSD decoder (IC801) failed, or DSD decoder (IC801) is faulty.
- 20: Initialization of sled servo failed. It is not placed in the initial position.
- 23: Sled servo operation error.
- 24: Made a request to move the sled servo to wrong position.
- 30: Tracking balance adjustment error.
- 31: Tracking gain adjustment error.
- 33: Focus bias adjustment error.
- 34: Focus gain adjustment error.
- 35: Equalizer adjustment error.
- 40: Focus servo does not operate.
- 41: With a DVD dual layer disc, focus jump failed.
- 50: CLV (spindle) servo does not operate.
- 51: Spindle does not stop.
- 60: Made a request to seek nonexistent address.
- 61: Seek error of retry more than regulated times.
- 70: Control data could not be read.
- 80: Disc reading failed.

5. MECHA ERROR HISTORY

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

```

    ### Mecha Error History ###

    1. aa bb cc dd xx xx xx xx
    2. aa bb cc dd xx xx xx xx
    3. aa bb cc dd xx xx xx xx
    4. aa bb cc dd xx xx xx xx
    5. aa bb cc dd xx xx xx xx
    6. aa bb cc dd xx xx xx xx
    7. aa bb cc dd xx xx xx xx
    8. aa bb cc dd xx xx xx xx

                                     Scroll:UP/DOWN
    (1.Latest Err.)                   Exit: RETURN
    
```

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

HCD-DFLX9W

• Error code (aa)

- FF: Complete the initializing. (normal operation)
- 11 : Stocker movement (to chucking position) failing in the midst of initializing the mechanism deck.
- 12 : Stocker movement (to chucking position) failing in the midst of initializing the mechanism deck.
- 1x : Initializing the mechanism deck.
- 2x : Initializing the mechanism deck.
- 3x : Initializing the mechanism deck.
- 41 : Disc eject failing in the midst of initializing the mechanism deck.
- 4x : Initializing the mechanism deck.
- 50 : Disc eject failing in the midst of initializing the mechanism deck.
- 5x : Initializing the mechanism deck.
- A2: Disc eject failing in the midst of initializing the mechanism deck.
- Ax: Initializing the mechanism deck.
- D3: Disc eject failing in the midst of initializing the mechanism deck.
- Dx: Initializing the mechanism deck.
- Ex : Initializing the mechanism deck.

• Error code (bb)

- 00 : Initializing the mechanism deck.
- 10 : Retry over of eject and loading.
- 30 : Open operation in no disc status.
- 60 : Retry over of eject and loading.
- 70 : Disc is chucking position.
- 81 : Retry failed of disc movement from chucking position to stocker.
- 83 : Retry preparation failed of disc movement from chucking position to stocker.
- 90 : Disc is stored in the stocker.
- A1: Retry failed of disc movement from stocker to chucking position.
- A3: Retry preparation failed of disc movement from stocker to chucking position.
- B0: Just before the release operation.
- B1 : Retry failed of the release operation.

• Error code (cc)

- 10 : Under a stop.
- 22 : Retry preparation failed.
- 23 : Retry failed.

• Error code (dd)

- 10 : Under a stop.
- 22 : Retry preparation failed.
- 23 : Retry failed.

6. VERSION INFORMATION

On the Test Mode Menu screen, selecting [6] displays the ROM version and region code.
The parenthesized hexadecimal number in version field is checksum value of ROM.

```

## Version Information ##

IF con.   Ver.x. xxx

SYScon.   Ver.x. xx (xxxx)
          Model      DHC-FLxx
          Region     0x
          Config     xxxxxxxx

Front End Ver.x.xx

Exit: RETURN

```

IF con. : The version of system controller (IC101).
SYScon. : The version of DVD system processor (IC206).
Front End: The version of mechanism controller (IC901).

7. VIDEO LEVEL ADJUSTMENT

On the Test Mode Menu screen, selecting [7] displays color bars for video level adjustment. During display of color bars, OSD disappears but the menu screen will be restored if pressing the [RETURN] key.

SECTION 6 MECHANICAL ADJUSTMENTS

Precaution

1. Clean the following parts with a denatured alcohol-moistened swab:

record/playback heads	pinch rollers
erase head	rubber belts
capstan	idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102C	3.06 N · m to 6.96 N · m 31 to 71 g · cm (0.43 – 0.98 oz · inch)
FWD back tension	CQ-102C	0.19 N · m to 0.58 N · m 2 to 6 g · cm (0.02 – 0.08 oz · inch)
REV	CQ-102RC	3.06 N · m to 6.96 N · m 31 to 71 g · cm (0.43 – 0.98 oz · inch)
REV back tension	CQ-102RC	0.19 N · m to 0.58 N · m 2 to 6 g · cm (0.02 – 0.08 oz · inch)
FF/REW	CQ-201B	6.96 N · m to 14.02 N · m 71 to 143 g · cm (0.98 – 1.99 oz · inch)
FWD tension	CQ-403A	9.80 N · m 100 g or more (3.53 oz or more)
REV tension	CQ-403R	9.80 N · m 100 g or more (3.53 oz or more)

SECTION 7 ELECTRICAL ADJUSTMENTS

DECK SECTION

0 dB=0.775 V

1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjust.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.
7. Switches and controls should be set as follows unless otherwise specified.

• Test Tape

Tape	Signal	Used for
P-4-A100	10 kHz, -10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Check

RECORD/PLAYBACK HEAD AZIMUTH ADJUSTMENT

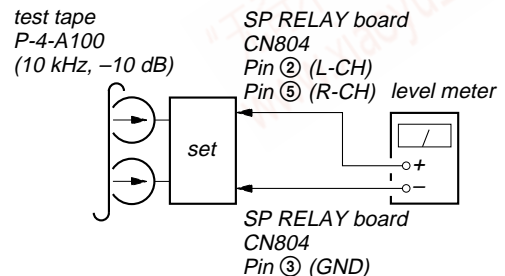
DECK A

DECK B

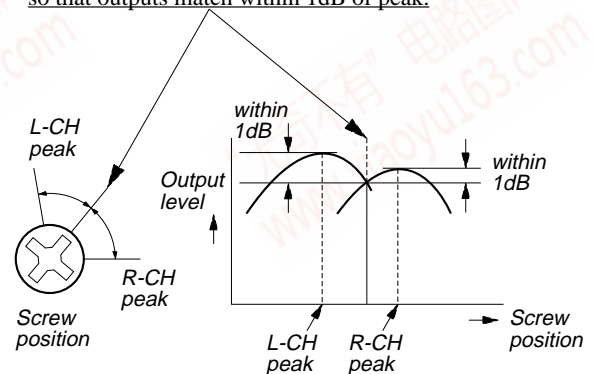
Note: Perform this adjustments for both decks

Procedure:

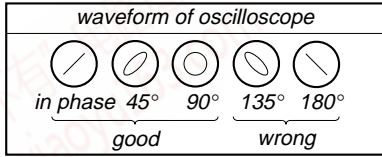
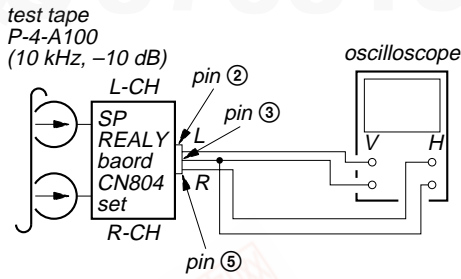
1. Mode: Playback



2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1dB of peak.

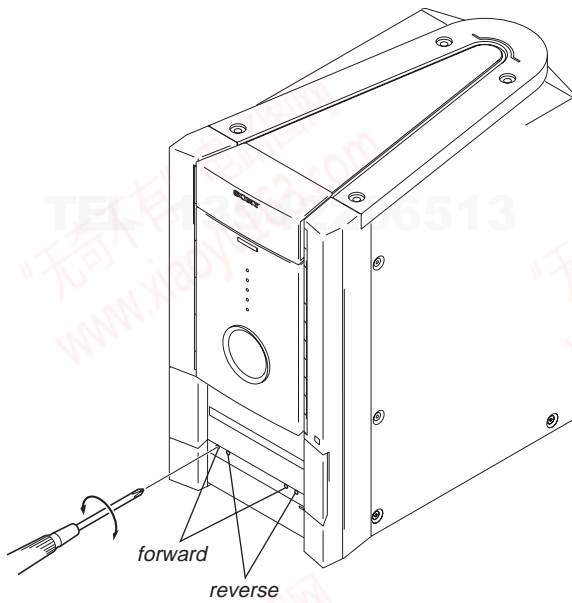


3. Mode: Playback



4. After the adjustments, apply suitable locking compound to the parts adjusted.

Adjustment Location: Playback Head (Deck A).
Record/Playback/Erase Head (Deck B).



TAPE SPEED CHECK DECK B

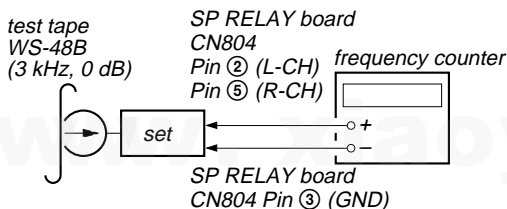
Note: Start the Tape Speed adjustment as below after setting to the test mode.
In the test mode, the tape speed is high during pressing the [CD SYNC HI-DUB] button.

Procedure:

1. Press [I/O] button to turn the set ON.
2. Press three buttons [REVERSE], [DISPLAY] and [CD SYNC HI-DUB] simultaneously.

To release from the test mode, press the [I/O] button.

Mode: Playback



1. Insert the WS-48B into the deck B.
2. Press the [REVERSE] button on the deck B.
3. Press the [CD SYNC HI-DUB] button in playback mode. Then at HIGH speed mode.
4. Check so that frequency counter reads $6,000 \pm 180$ Hz.
5. Press the [CD SYNC HI-DUB] button. Then back to NORMAL speed mode.
6. Check so that frequency counter reads $3,000 \pm 90$ Hz.

Check Location: SP RELAY board

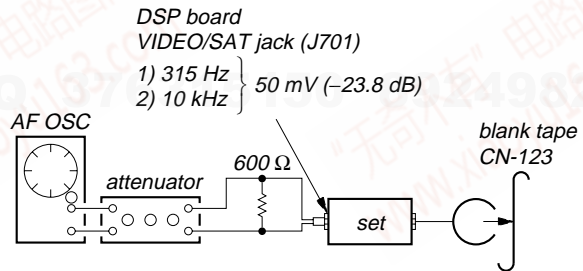
Sample Value of Wow and Flutter: 0.3% or less W. RMS (JIS) (WS-48B)

REC BIAS ADJUSTMENT DECK B

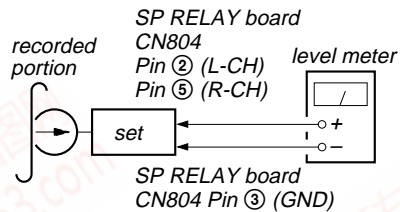
Procedure:

In the MC test mode, the "REC memory mode" is convenient for this adjustment. In the "REC memory mode", when the REC starts the input signal FUNCTION is switched to VIDEO automatically. When the REC stops, the tape returns near to the recording start position.

1. Press [VIDEO/SAT] button to select VIDEO. (This step is not necessary if the above test mode has already been set)
2. Insert a tape into deck B.
3. After press [REC PAUSE/START] button, press [REC PAUSE/START] button, then recording start.
4. Mode: Record



5. Mode: Playback



6. Confirm the playback signal recorded in step 3 becomes adjustable level as follows.
If these levels are not adjustable level, adjust the RV2 (L-CH) and RV52 (R-CH) on the SP RELAY board to repeat steps 4 and 5.

Adjustable level: Playback output of 315 Hz to playback output of 10 kHz: ± 1.0 dB

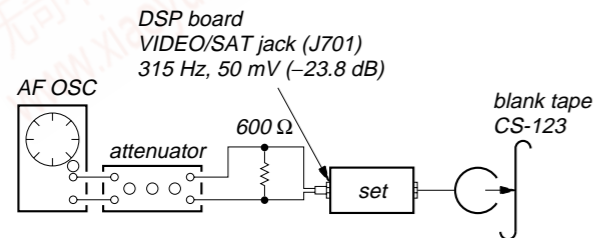
Adjustment Location: SP RELAY board

REC LEVEL ADJUSTMENT DECK B

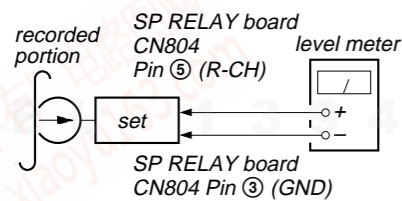
Procedure:

In the MC test mode, the "REC memory mode" is convenient for this adjustment. In the "REC memory mode", when the REC starts the input signal FUNCTION is switched to VIDEO automatically. When the REC stops, the tape returns near to the recording start position.

1. Press **VIDEO/SAT** button to select VIDEO. (This step is not necessary if the above test mode has already been set)
2. Insert a tape into deck B.
3. After press **REC PAUSE/START** button, press **REC PAUSE/START** button, then recording start.
4. Mode: Record



5. Mode: Playback



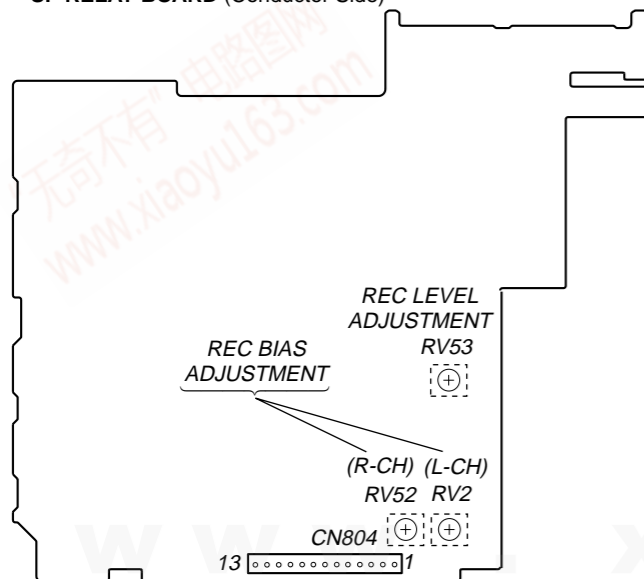
6. Confirm the play back signal recorded in step 3 becomes adjustable level as follows.
If these levels are not adjustable level, adjust the RV53 (R-CH) on the SP RELAY board to repeat steps 4 and 5.

Adjustable level:

CN804 PB level: 47.2 to 53.0 mV (-24.3 to -23.3 dB)

Adjustment Location: SP RELAY board

- **SP RELAY BOARD** (Conductor Side) -



DVD SECTION

About the decision to pass or fail of the optical pick-up block, refer to "DECISION TO PASS OR FAIL OF THE OPTICAL PICK-UP BLOCK" (see page 8)

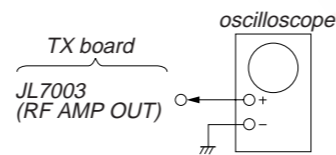
AUTO SERVO ADJUSTMENT

After parts related to the servo circuit (RF amplifier (IC001), DSP (IC509), motor driver (IC501), EEPROM (IC903) so on) are replaced, re-adjusting the servo circuit is necessary. Select "ALL" at "1. DRIVE AUTO ADJUSTMENT" (Refer to page 27 in TEST MODE) and adjust DVD-SL (single layer), CD and DVD-DL (dual layer).

DIAT SIGNAL RF LEVEL ADJUSTMENT

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

Connection:

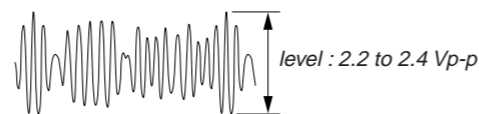


Procedure:

1. Connect the oscilloscope to JL7003 (RF AMP OUT) and GND on the TX board.
 2. Connect DIR-T1 to DIR-T1 jack (J7001).
- Note:** Be sure to connect DIR-T1 before the adjust.
3. Adjust RV7001 on the TX board so that the center of waveform becomes 1.0 Vp-p.
 4. Confirm trigger is locked.
 5. Adjust RV7001 on the TX board so that the center of waveform becomes 2.2 to 2.4 Vp-p.

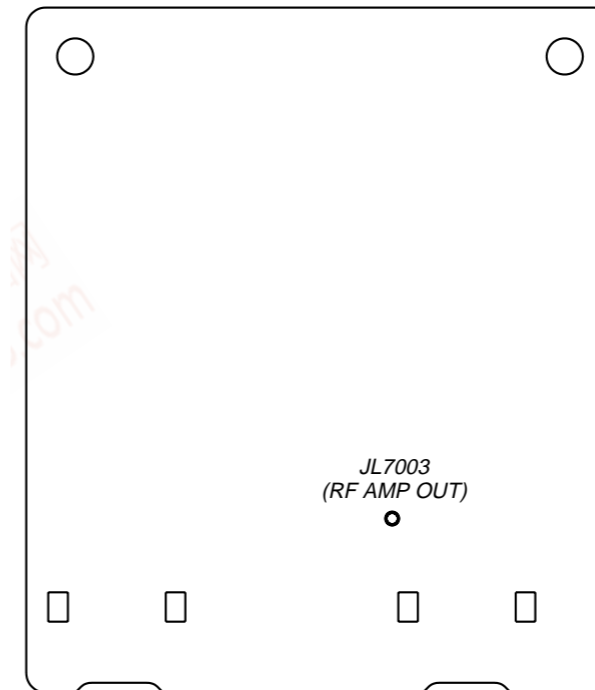
RF Signal Reference Waveform

VOLT/DIV : 500mV
TIME/DIV : 500ns



Adjustment Location:

- **TX Board (Component Side)** -

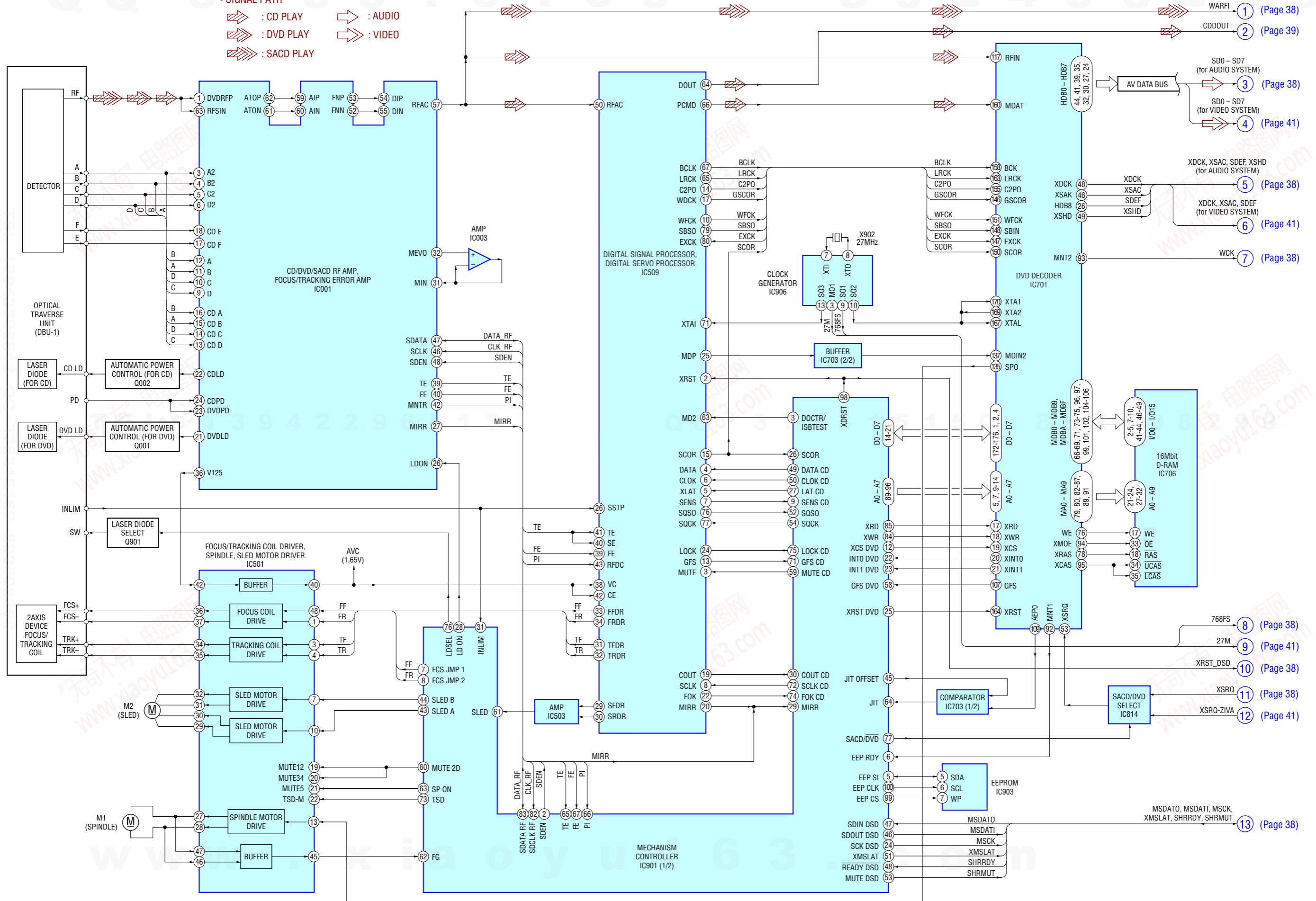


SECTION 8
DIAGRAMS

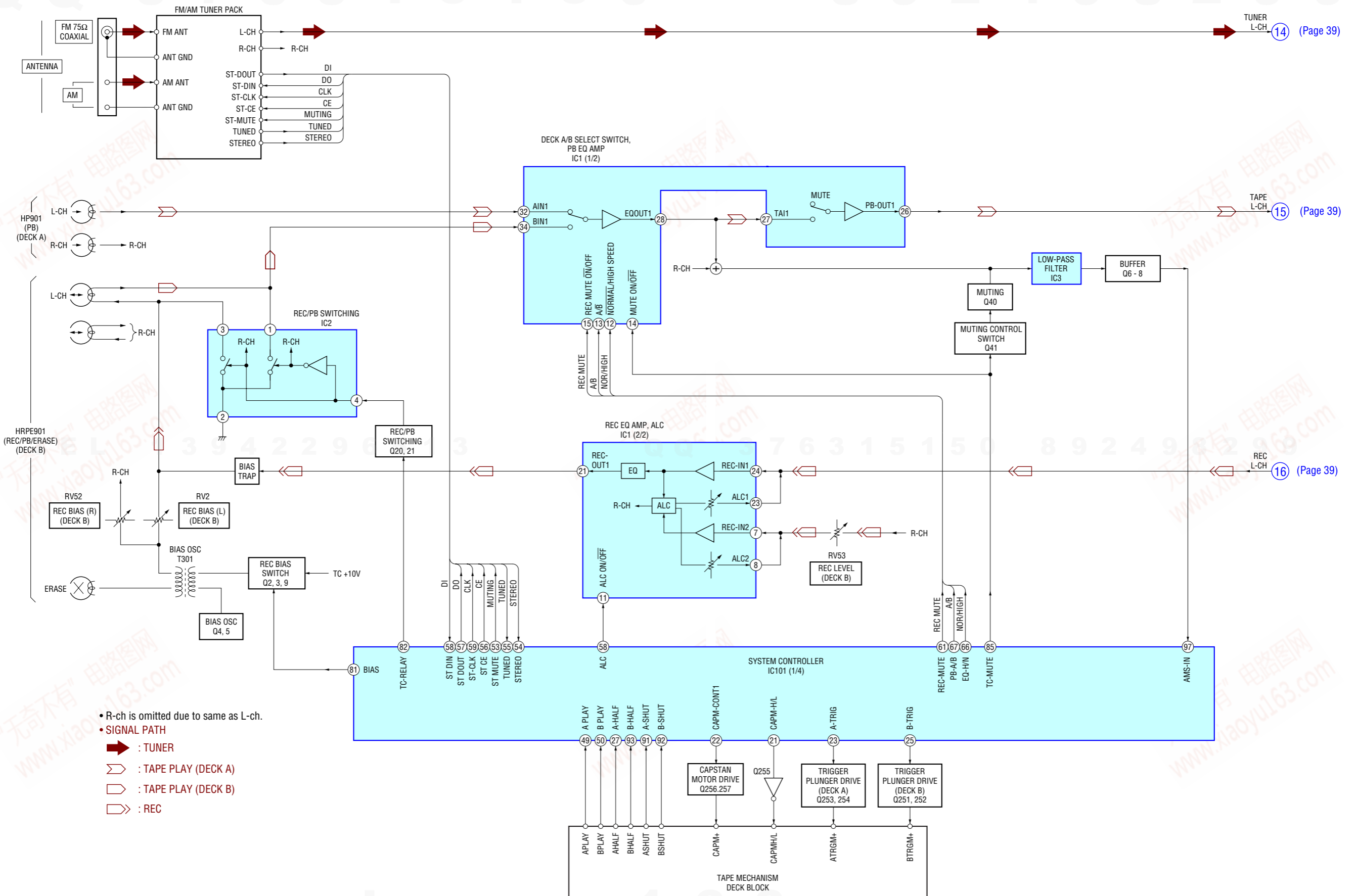
8-1. BLOCK DIAGRAM - RF SERVO Section -

• SIGNAL PATH

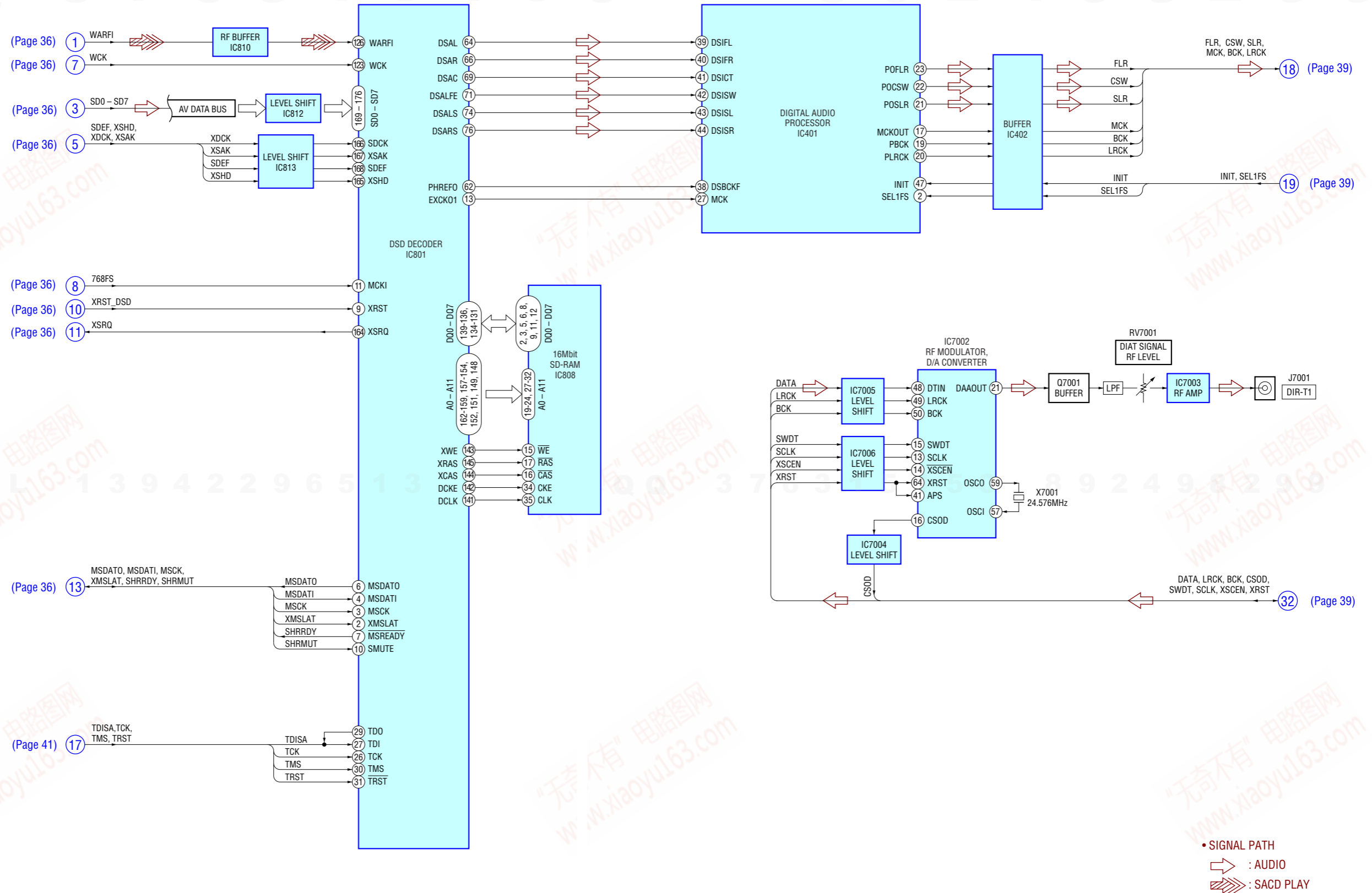
- : CD PLAY
- : DVD PLAY
- : SACD PLAY
- : AUDIO
- : VIDEO



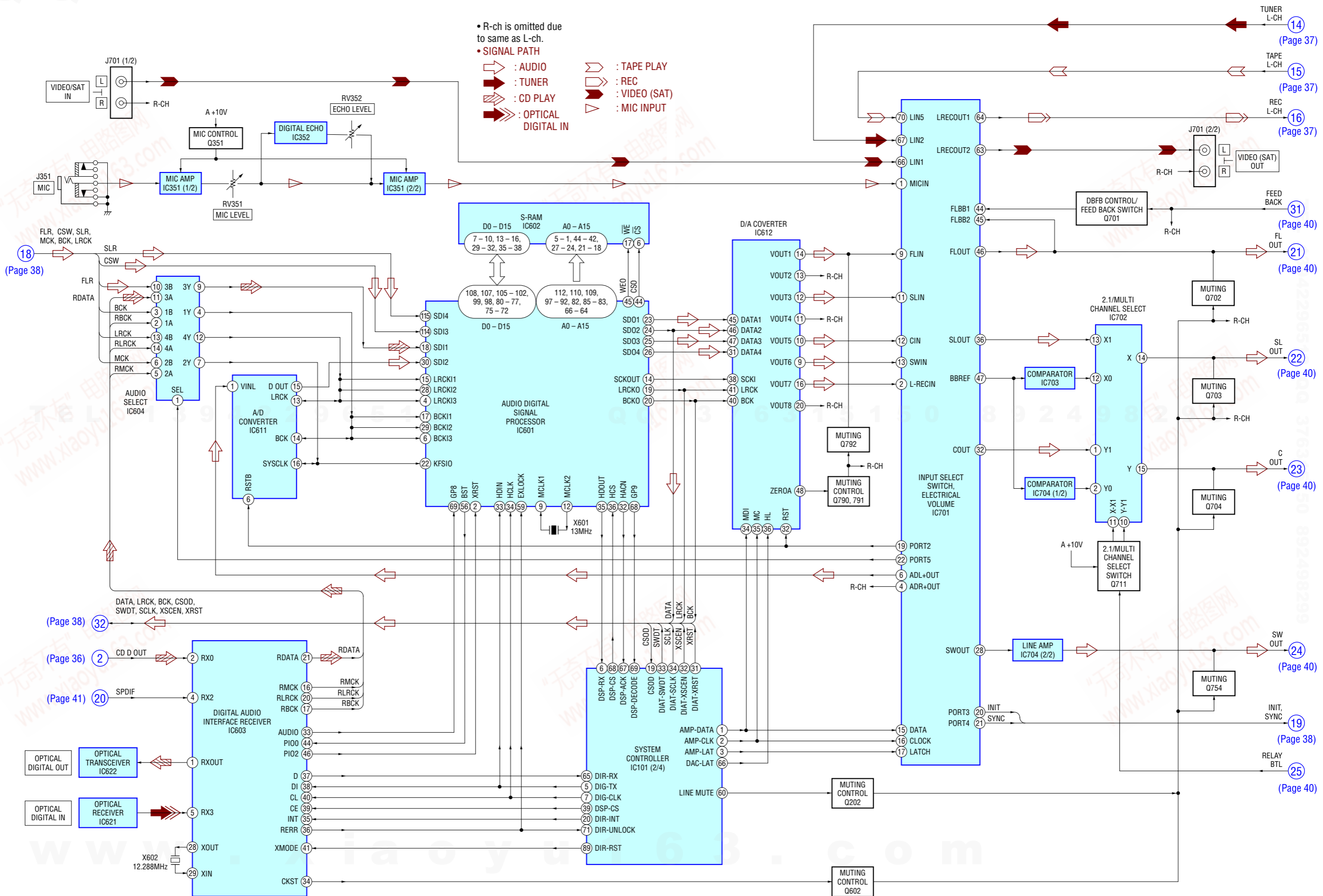
8-2. BLOCK DIAGRAM - TUNER/TAPE DECK Section -



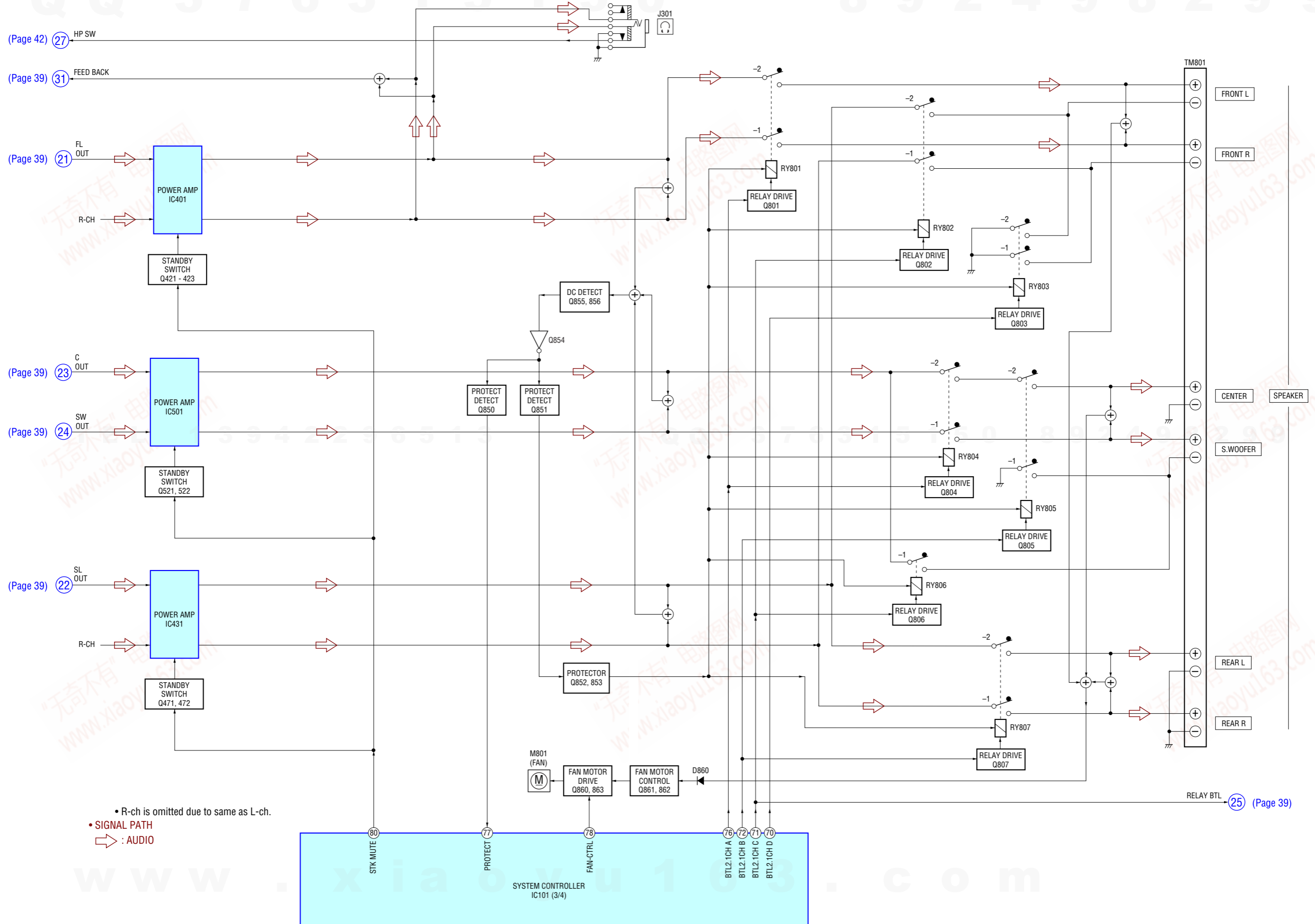
8-3. BLOCK DIAGRAM – AUDIO DSP Section (1/2) –



8-4. BLOCK DIAGRAM - AUDIO DSP Section (2/2) -



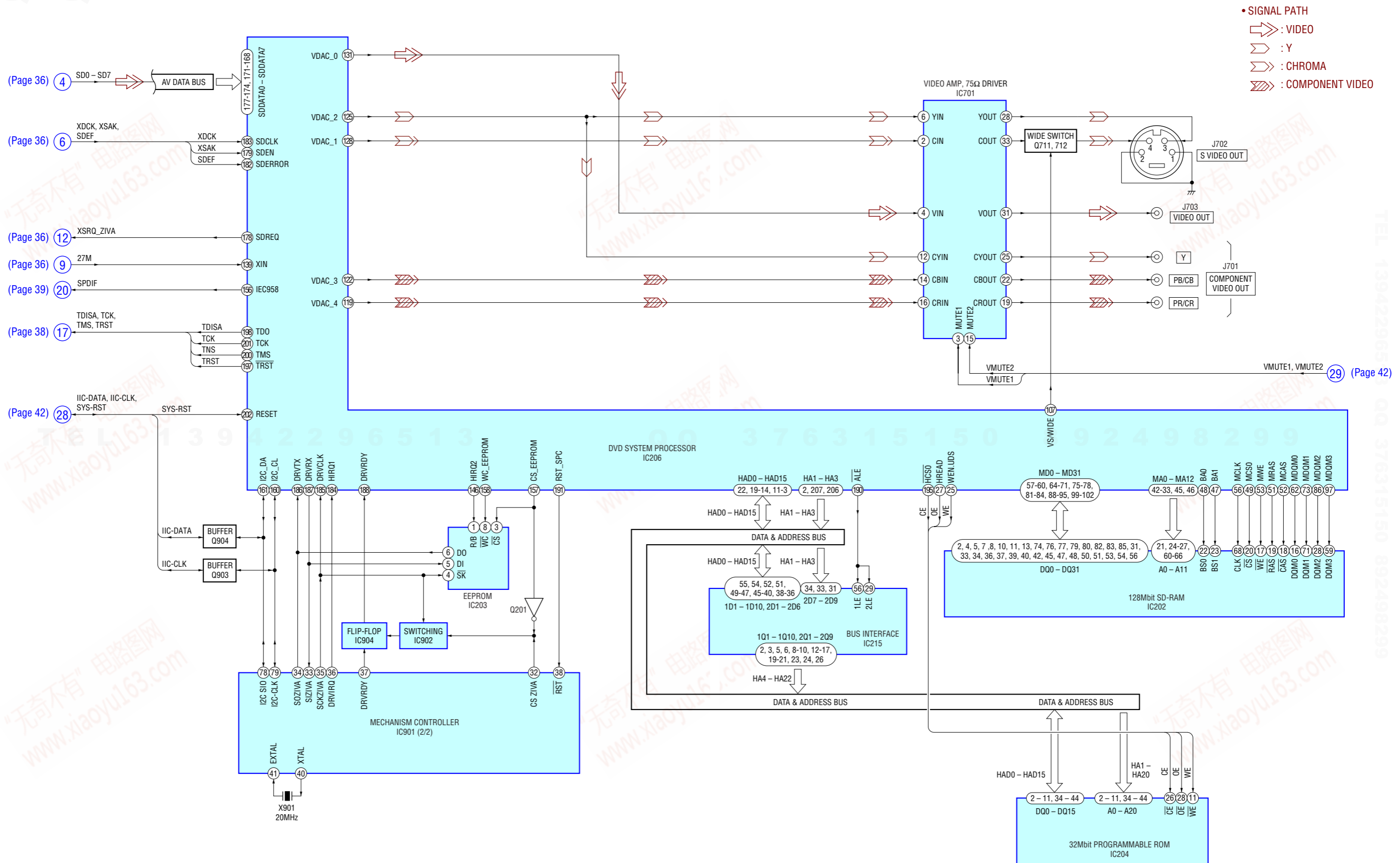
8-5. BLOCK DIAGRAM - POWER AMP Section -



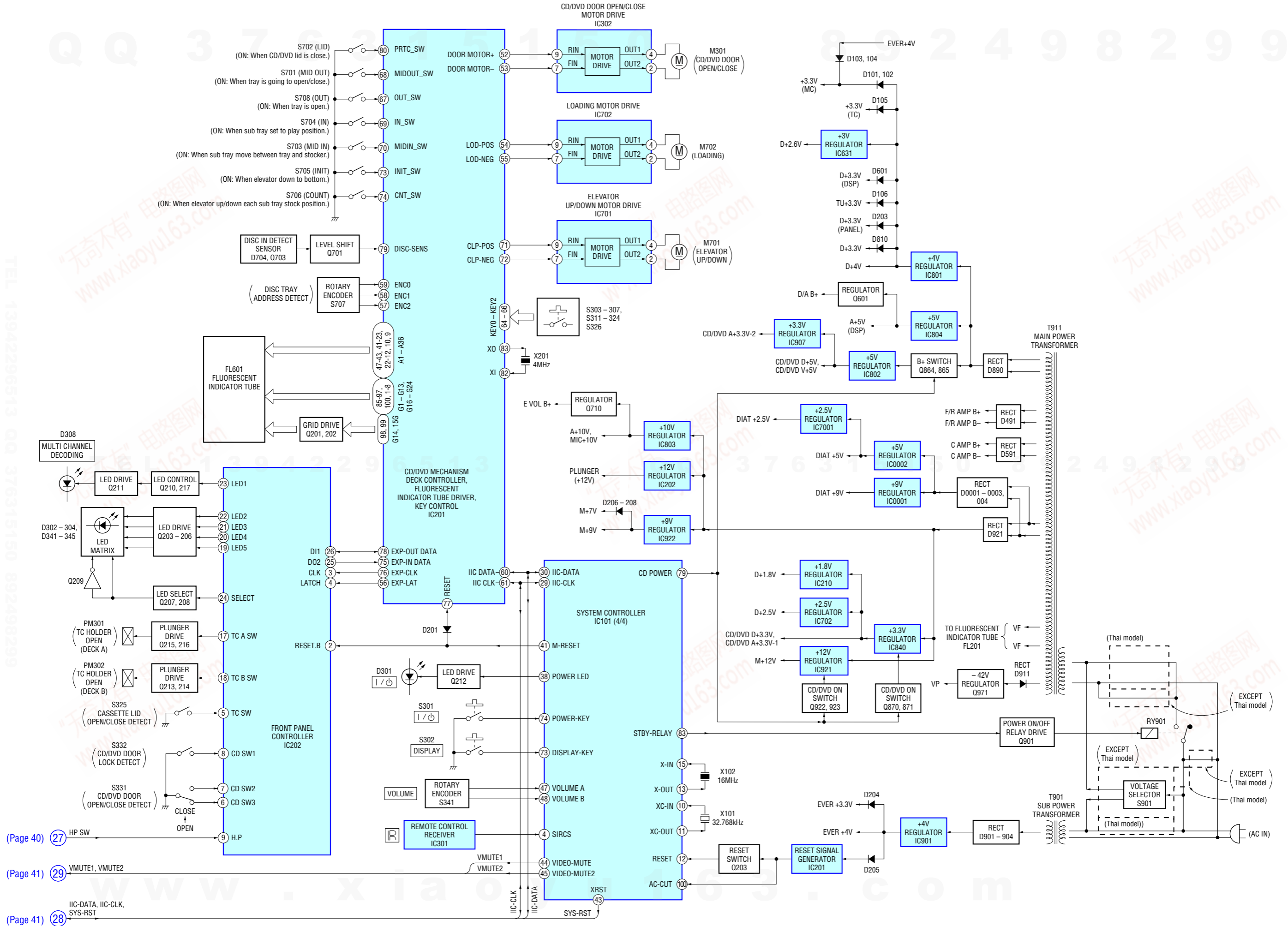
• R-ch is omitted due to same as L-ch.
 • SIGNAL PATH
 ➡ : AUDIO

RELAY BTL (25) (Page 39)

8-6. BLOCK DIAGRAM – VIDEO Section –



8-7. BLOCK DIAGRAM - DISPLAY/POWER SUPPLY Section -



(Page 40) 27 HP SW

(Page 41) 29 VMUTE1, VMUTE2

(Page 41) 28 IIC-DATA, IIC-CLK, SYS-RST

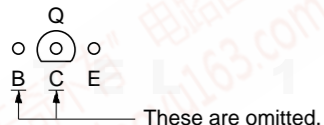
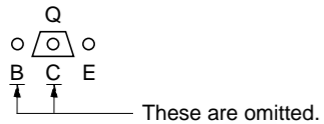
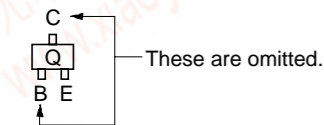
• Note for Printed Wiring Boards and Schematic Diagrams

Note on Printed Wiring Board:

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

Caution:
 Pattern face side: Parts on the pattern face side seen from (Conductor Side) the pattern face are indicated.
 Parts face side: Parts on the parts face side seen from (Component Side) the parts face are indicated.

- MB board is multi-layer printed board. However, the patterns of intermediate layers have not been included in diagrams.
- Indication of transistor



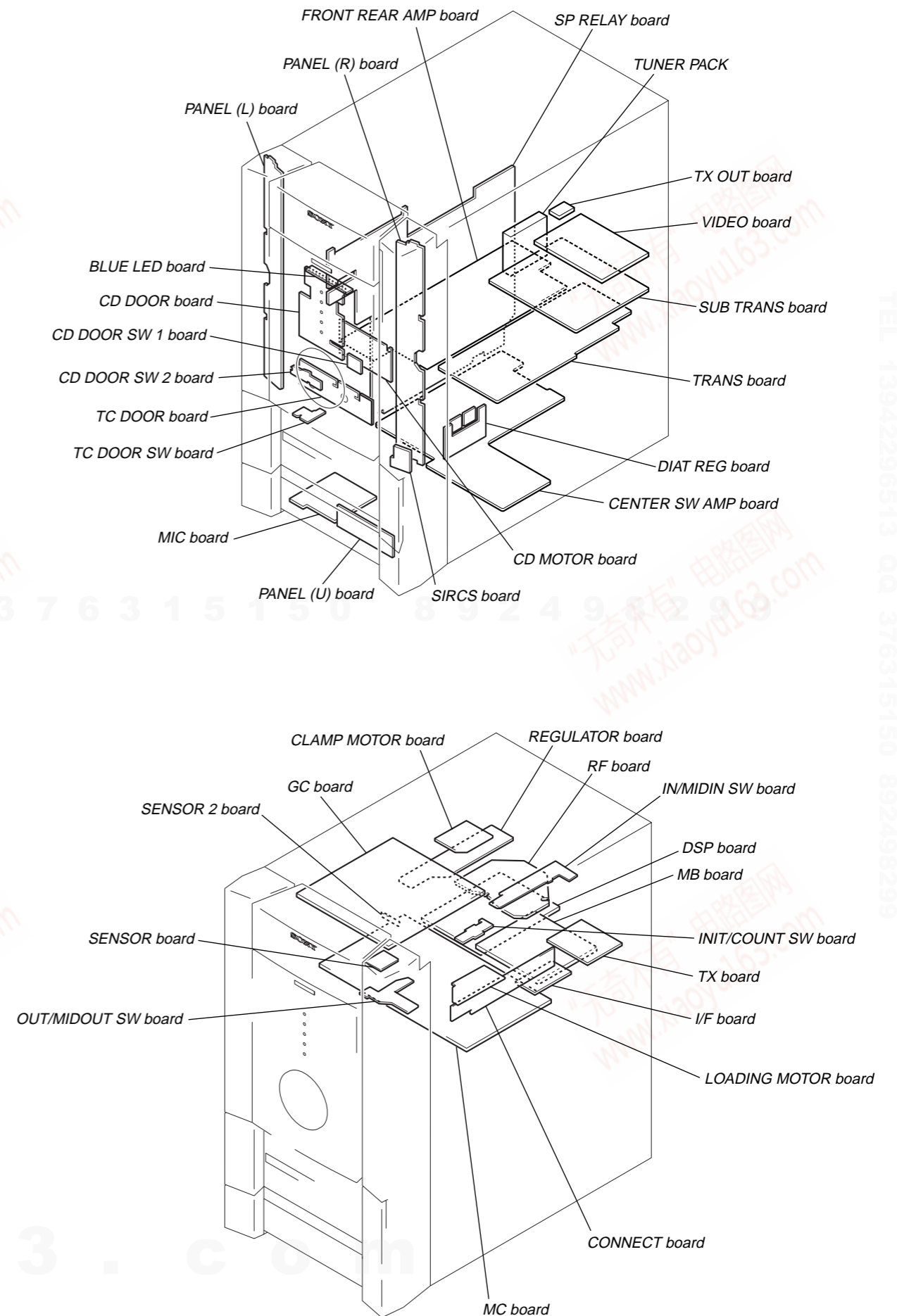
Note on Schematic Diagram:

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

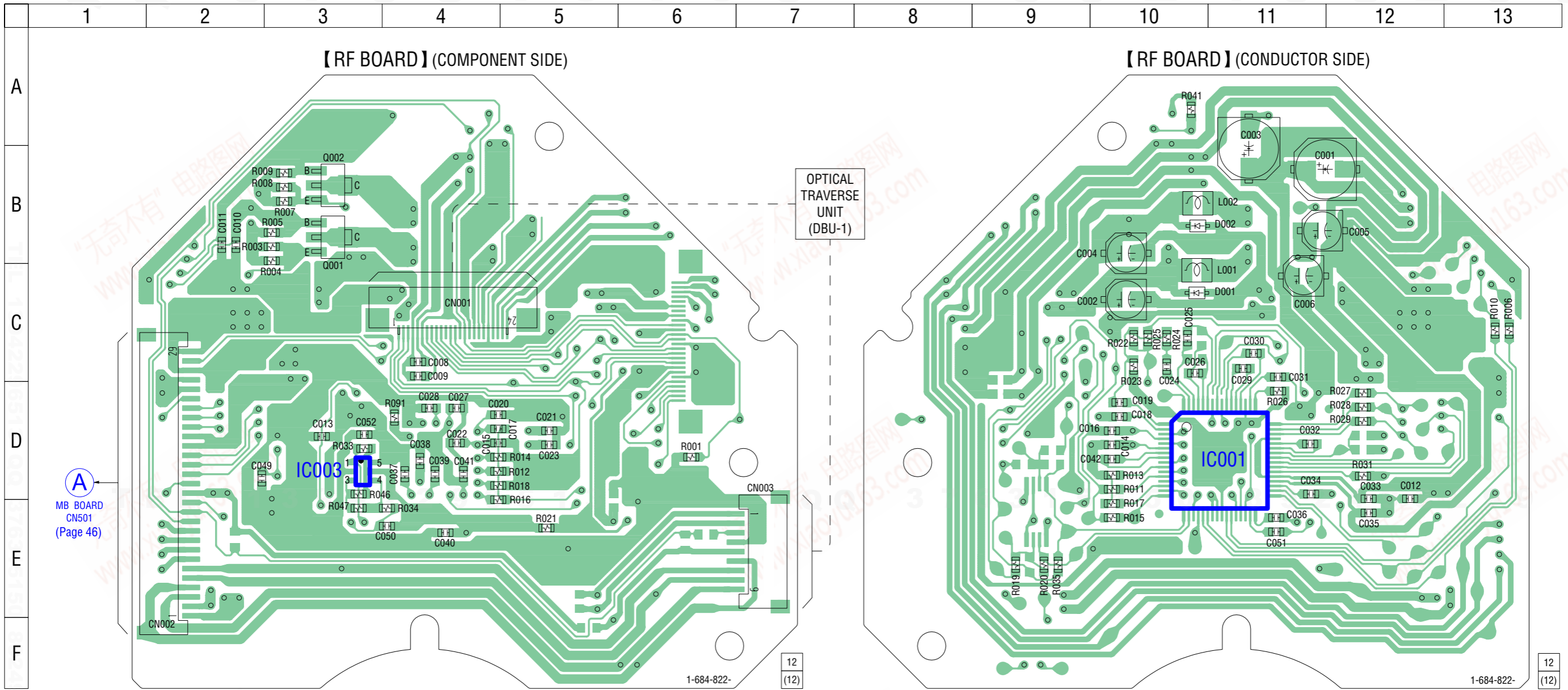
Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

- — : B+ Line.
 - - - - : B- Line.
 - □ : adjustment for repair.
 - Voltages and waveforms are dc with respect to ground under no-signal conditions.
 - RF/MB/VIDEO Boards -
 - no mark : DVD PLAY
 - () : CD PLAY
 - * : Impossible to measure
 - Other Boards -
 - no mark : TUNER
 - () : CD PLAY
 - < > : DVD PLAY
 - [] : TAPE PLAY (DECK A)
 - { } : TAPE PLAY (DECK B)
 - << >> : REC
 - * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
 - Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
 - Circled numbers refer to waveforms.
 - Signal path.
 - ⇨ : AUDIO
 - ⇨ : VIDEO
 - ⇨ : Y
 - ⇨ : CHROMA
 - ⇨ : COMPONENT VIDEO
 - ⇨ : TUNER
 - ⇨ : TAPE PLAY (DECK A)
 - ⇨ : TAPE PLAY (DECK B)
 - ⇨ : REC PLAY (DECK B)
 - ⇨ : CD PLAY
 - ⇨ : DVD PLAY
 - ⇨ : SACD PLAY
 - ⇨ : MIC
 - ⇨ : VIDEO/SAT
 - ⇨ : OPTICAL DIGITAL IN
 - Abbreviation
 - E15 : Iranian model
 - EA : Saudi Arabia model
 - SP : Singapore model
 - TH : Thai model

• Circuit Boards Location



8-8. PRINTED WIRING BOARD – RF Board – • See page 43 for Circuit Boards Location.  :Uses unleaded solder.



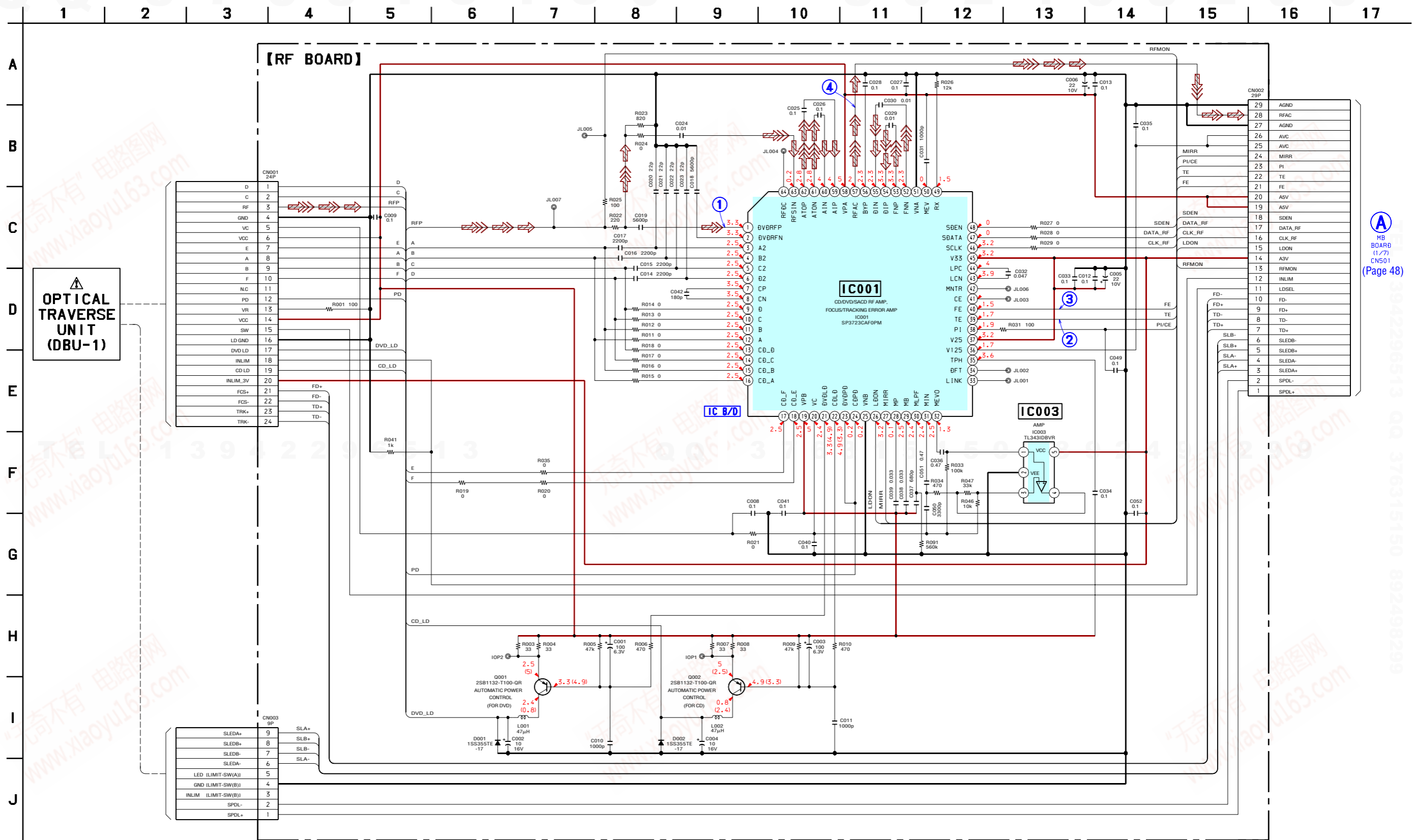
OPTICAL TRAVERSE UNIT (DBU-1)

A
MB BOARD CN501 (Page 46)

• Semiconductor Location


Ref. No.	Location
D001	C-10
D002	B-10
IC001	D-11
IC003	D-3
Q001	B-3
Q002	B-3

8-9. SCHEMATIC DIAGRAM – RF Board – • See page 92 for IC Block Diagram. • See page 90 for Waveforms.



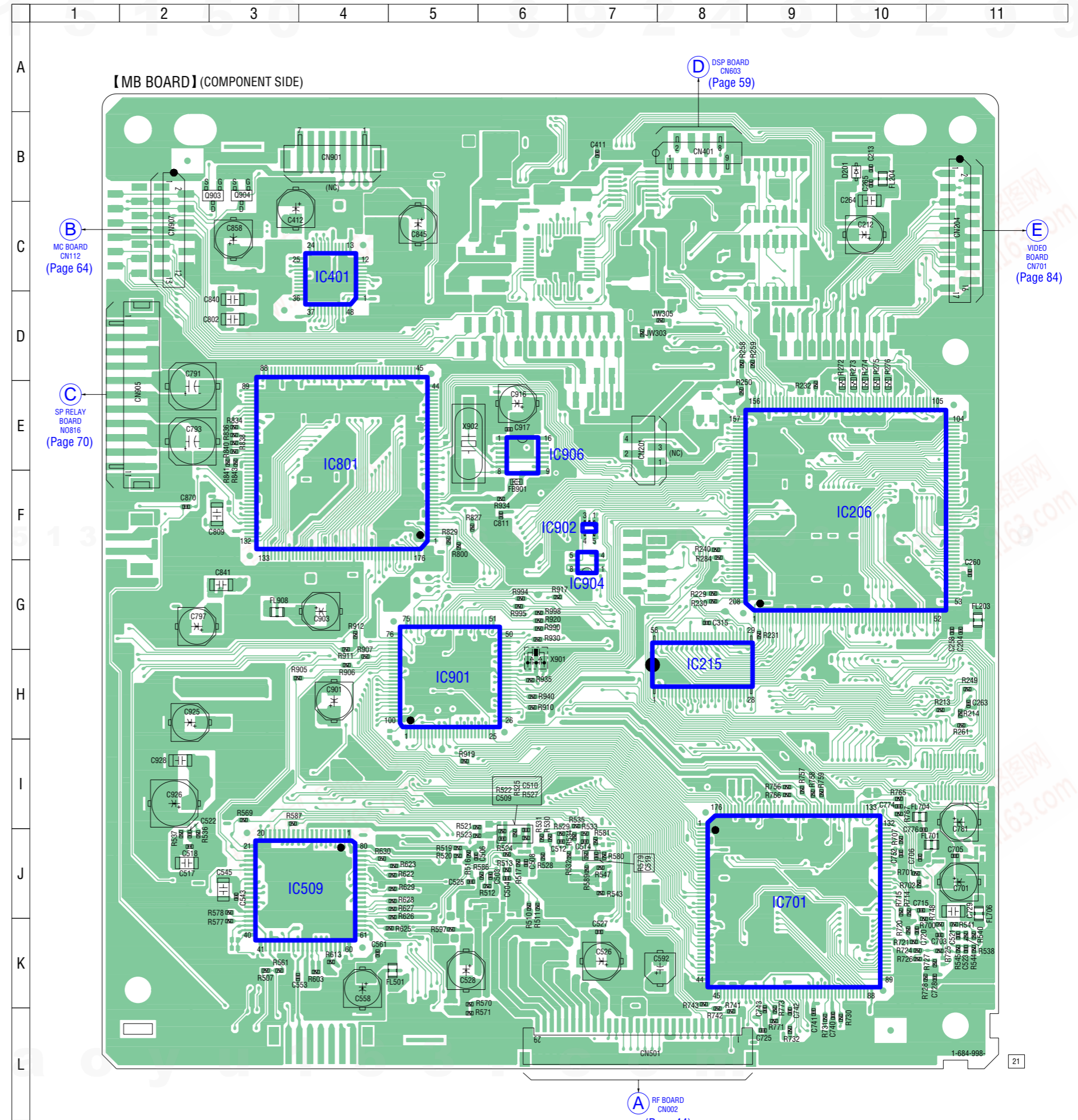
Ⓐ MB BOARD (1/7) CN501 (Page 48)

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

8-10. PRINTED WIRING BOARD – MB Board (Component Side) – • See page 43 for Circuit Boards Location.  : Uses unleaded solder.


• Semiconductor Location

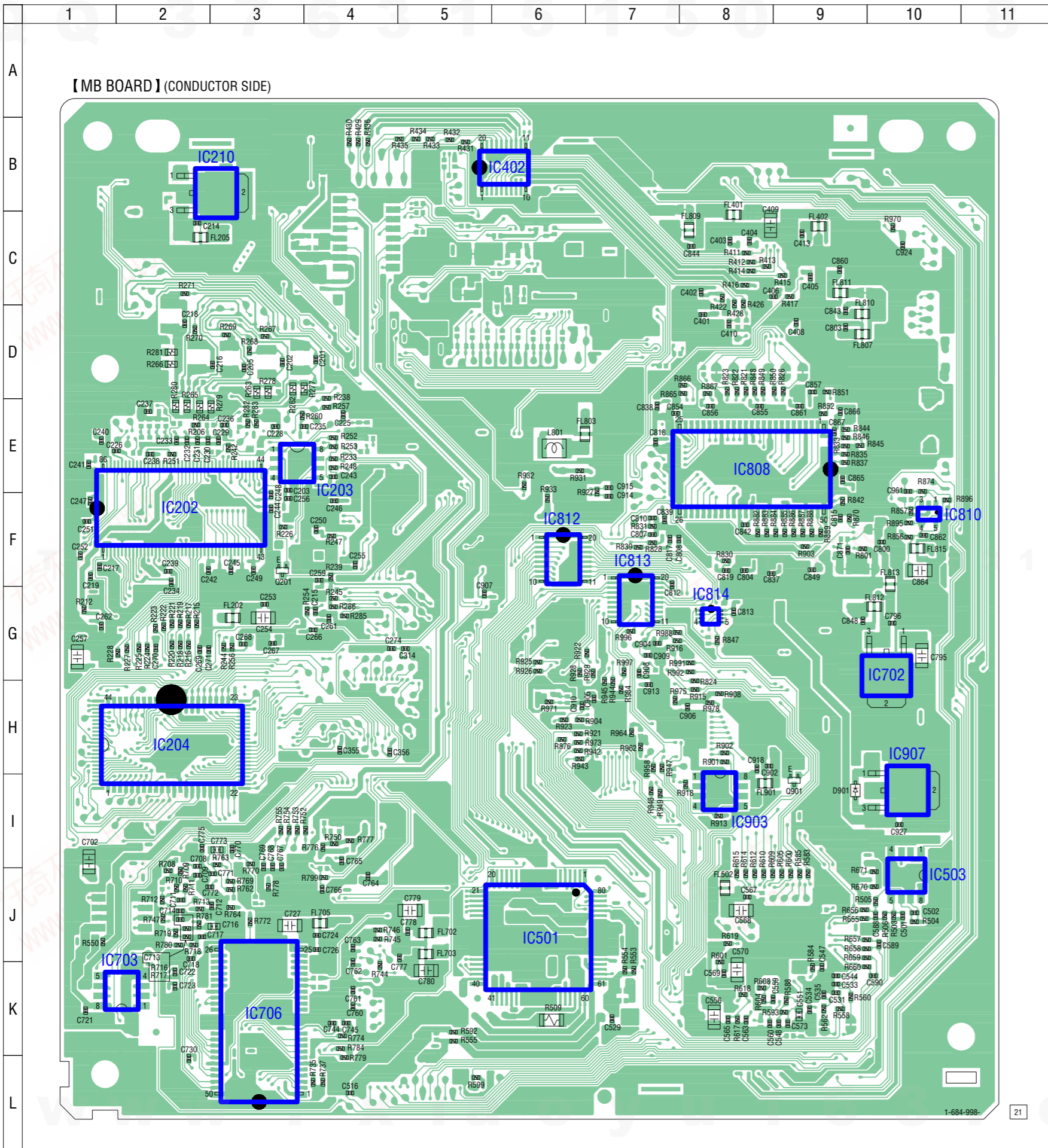
Ref. No.	Location
D201	B-10
IC206	F-10
IC215	H-8
IC401	C-4
IC509	J-4
IC701	J-9
IC801	E-4
IC901	H-5
IC902	F-7
IC904	G-7
IC906	E-6
Q903	B-3
Q904	B-3



TEL 13942296513 QQ 376315150 892498299

TEL 13942296513 QQ 376315150 892498299

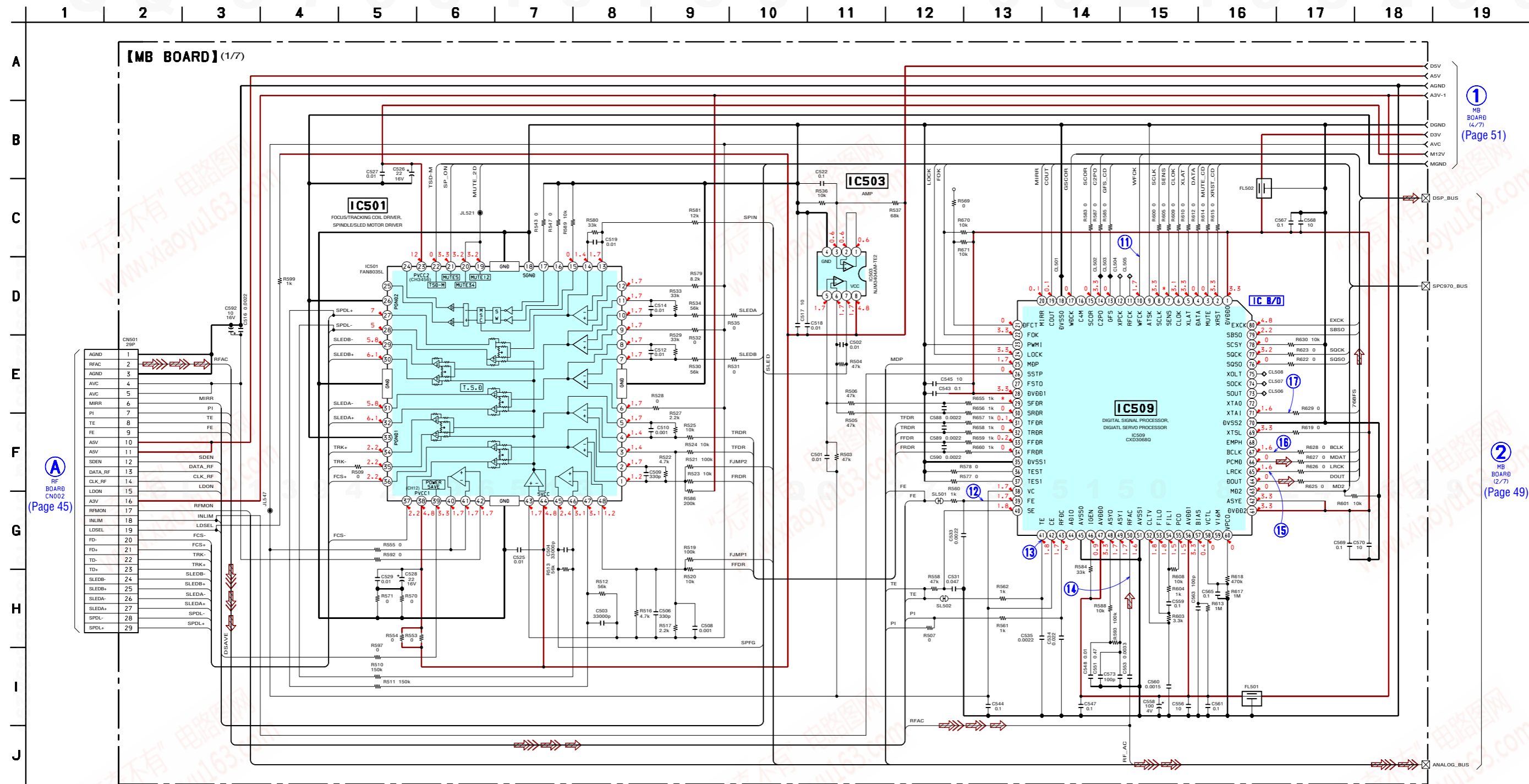
8-11. PRINTED WIRING BOARD – MB Board (Conductor Side) – • See page 43 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D901	I-9
IC202	F-2
IC203	E-3
IC204	H-2
IC205	H-2
IC402	B-3
IC501	J-6
IC503	J-10
IC702	G-7
IC703	K-2
IC706	K-3
IC808	E-8
IC810	F-10
IC812	F-6
IC813	G-7
IC814	G-8
IC903	I-8
IC907	I-10
Q201	F-2
Q901	I-9

8-12. SCHEMATIC DIAGRAM – MB Board (1/7) – • See page 92 for IC Block Diagram. • See page 90 for Waveforms. • See page 100 for IC Pin Function Description.

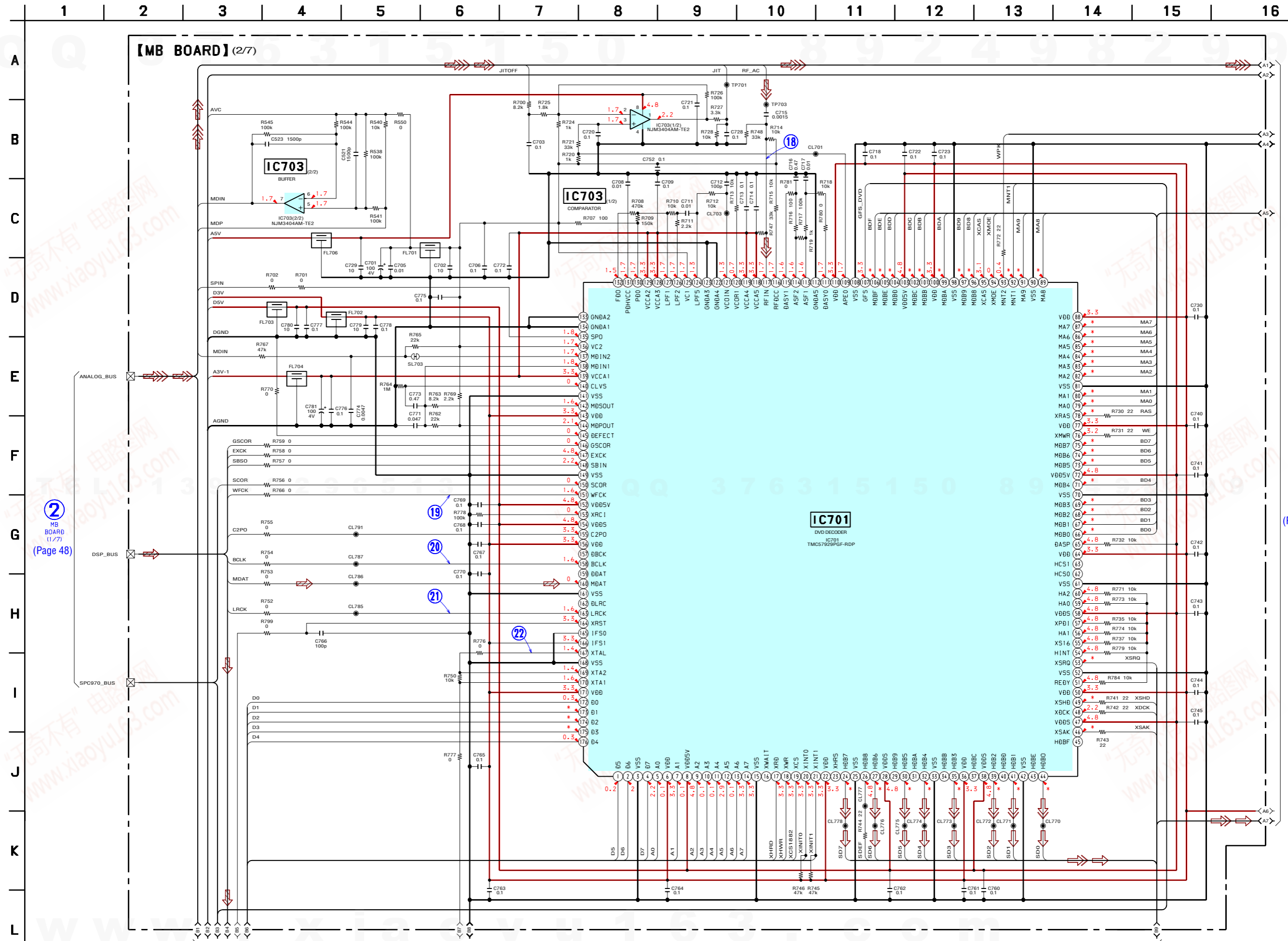


RF BOARD CN002 (Page 45)

MB BOARD (4/7) (Page 51)

MB BOARD (2/7) (Page 49)

8-13. SCHEMATIC DIAGRAM – MB Board (2/7) – • See page 90 for Waveforms. • See page 100 for IC Pin Function Description.

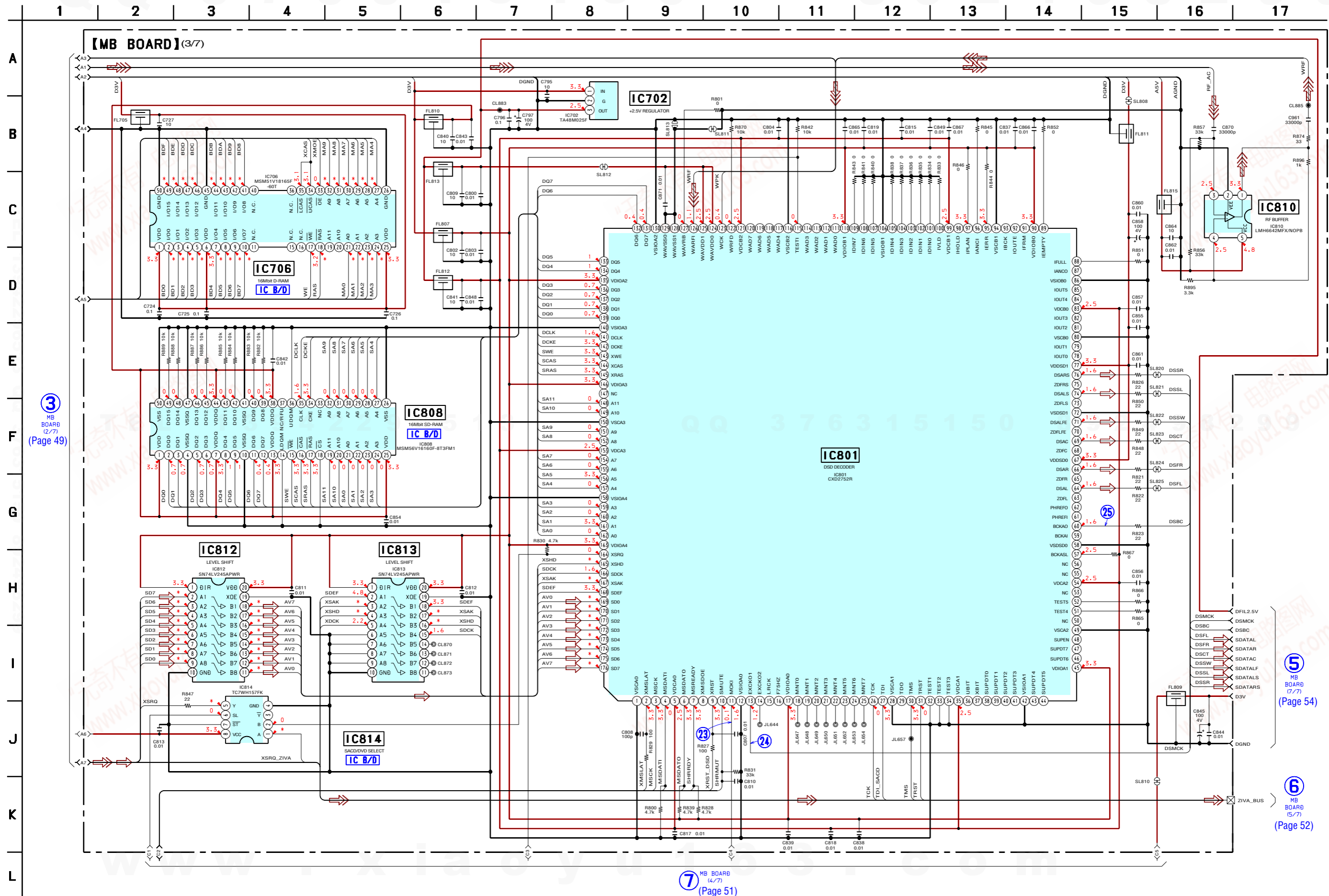


2 MB BOARD (1/7) (Page 48)

4 MB BOARD (4/7) (Page 51)

3 MB BOARD (3/7) (Page 50)

8-14. SCHEMATIC DIAGRAM – MB Board (3/7) – • See page 92 for IC Block Diagrams. • See page 90 for Waveforms. • See page 100 for IC Pin Function Description.



3 MB BOARD (2/7) (Page 49)

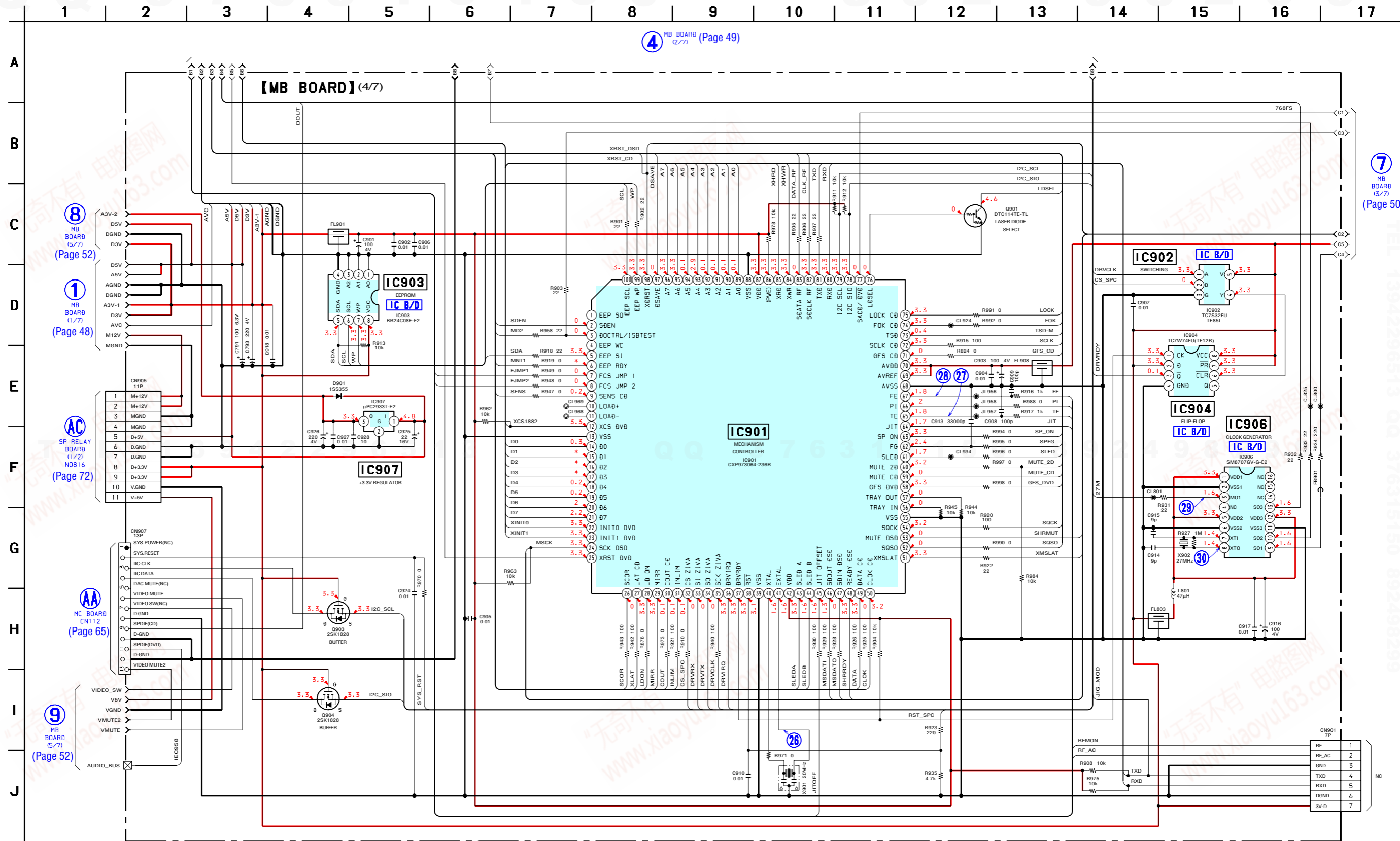
5 MB BOARD (7/7) (Page 54)

6 MB BOARD (5/7) (Page 52)

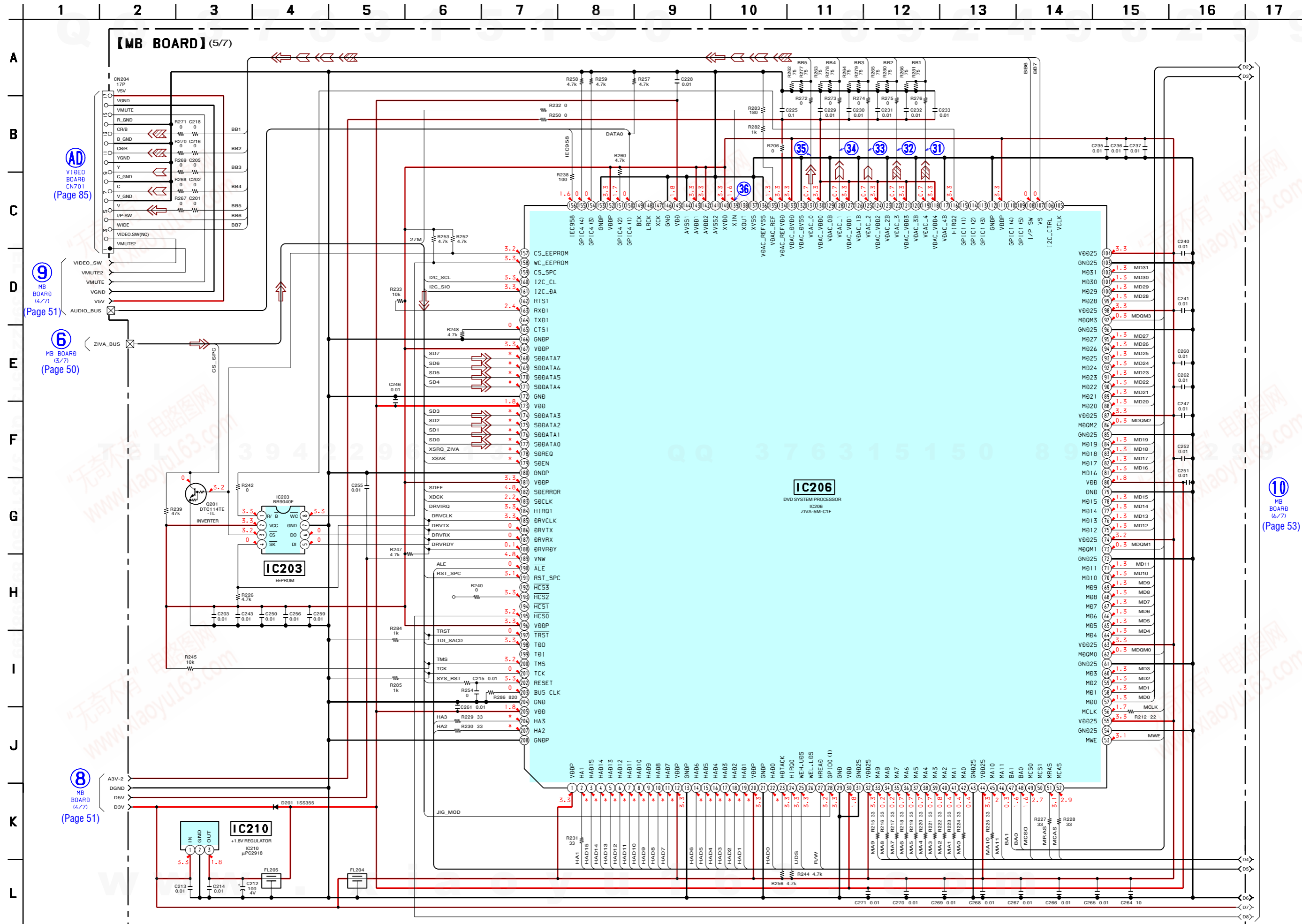
7 MB BOARD (4/7) (Page 51)

8-15. SCHEMATIC DIAGRAM – MB Board (4/7) –

• See page 92 for IC Block Diagrams. • See page 90 for Waveforms. • See page 100 for IC Pin Function Description.



8-16. SCHEMATIC DIAGRAM – MB Board (5/7) – • See page 90 for Waveforms. • See page 100 for IC Pin Function Description.



AD VIDEO BOARD CN701 (Page 85)

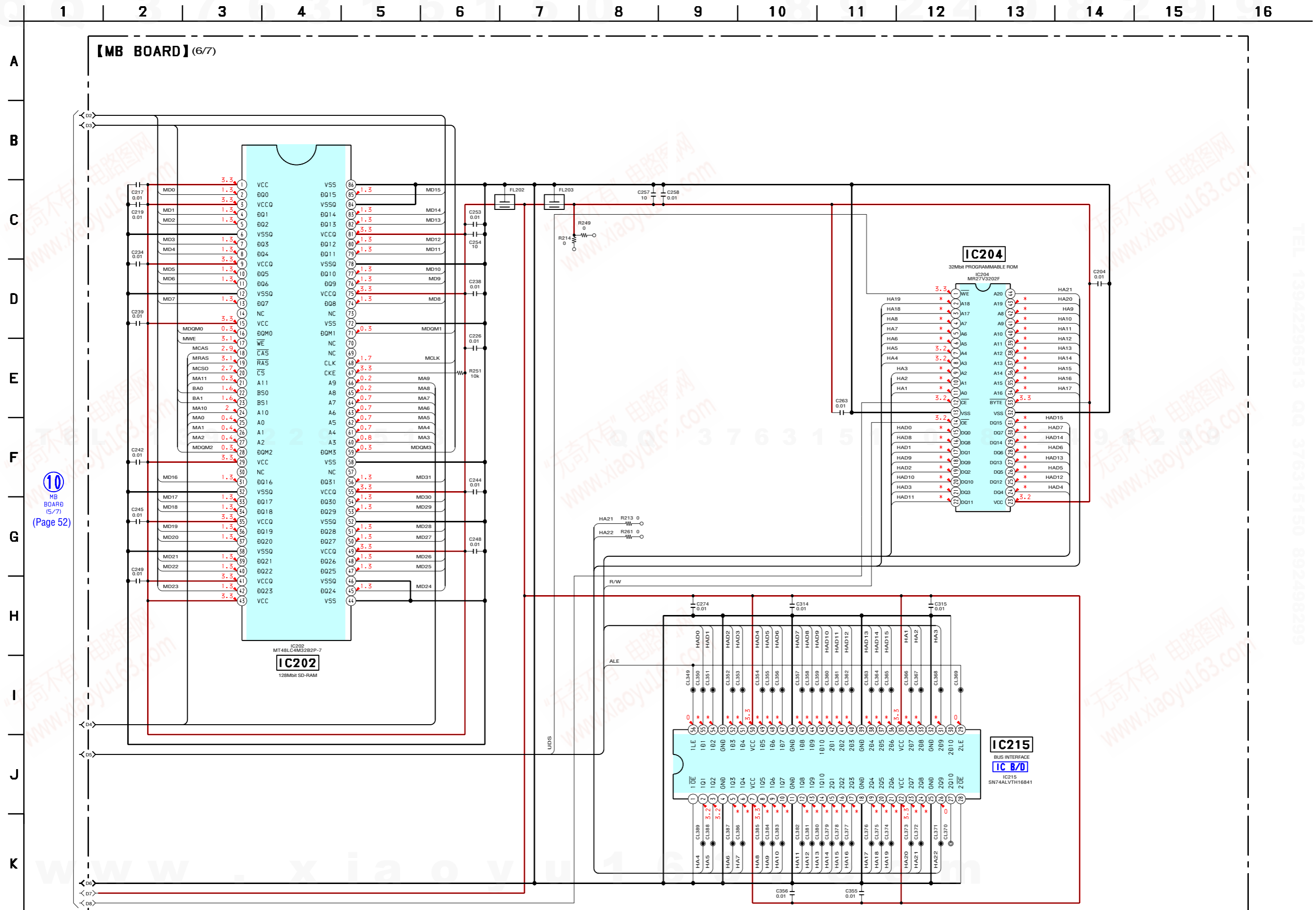
9 MB BOARD (4/7) (Page 51)

6 MB BOARD (3/7) (Page 50)

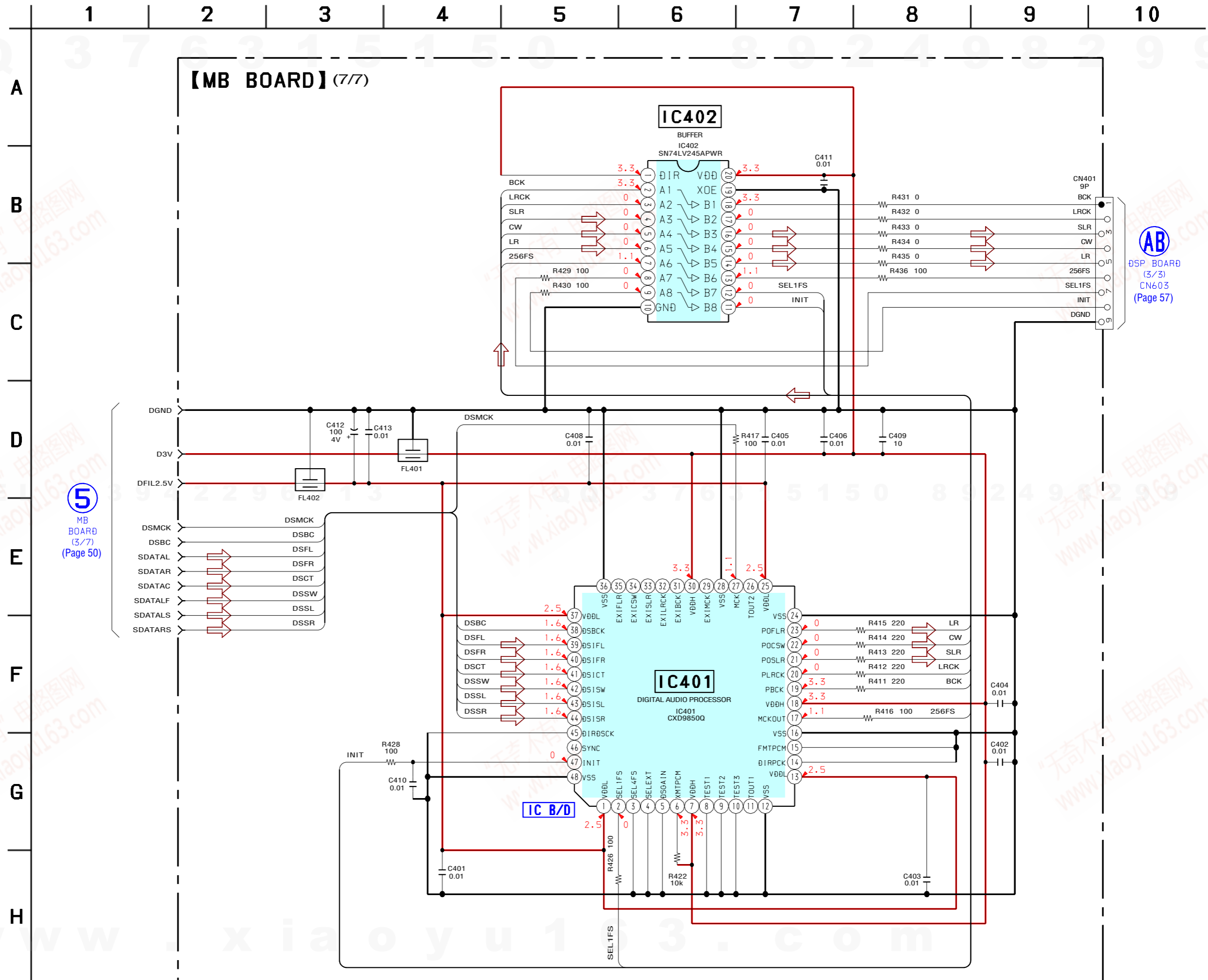
8 MB BOARD (4/7) (Page 51)

10 MB BOARD (6/7) (Page 53)

8-17. SCHEMATIC DIAGRAM – MB Board (6/7) – • See page 92 for IC Block Diagram.



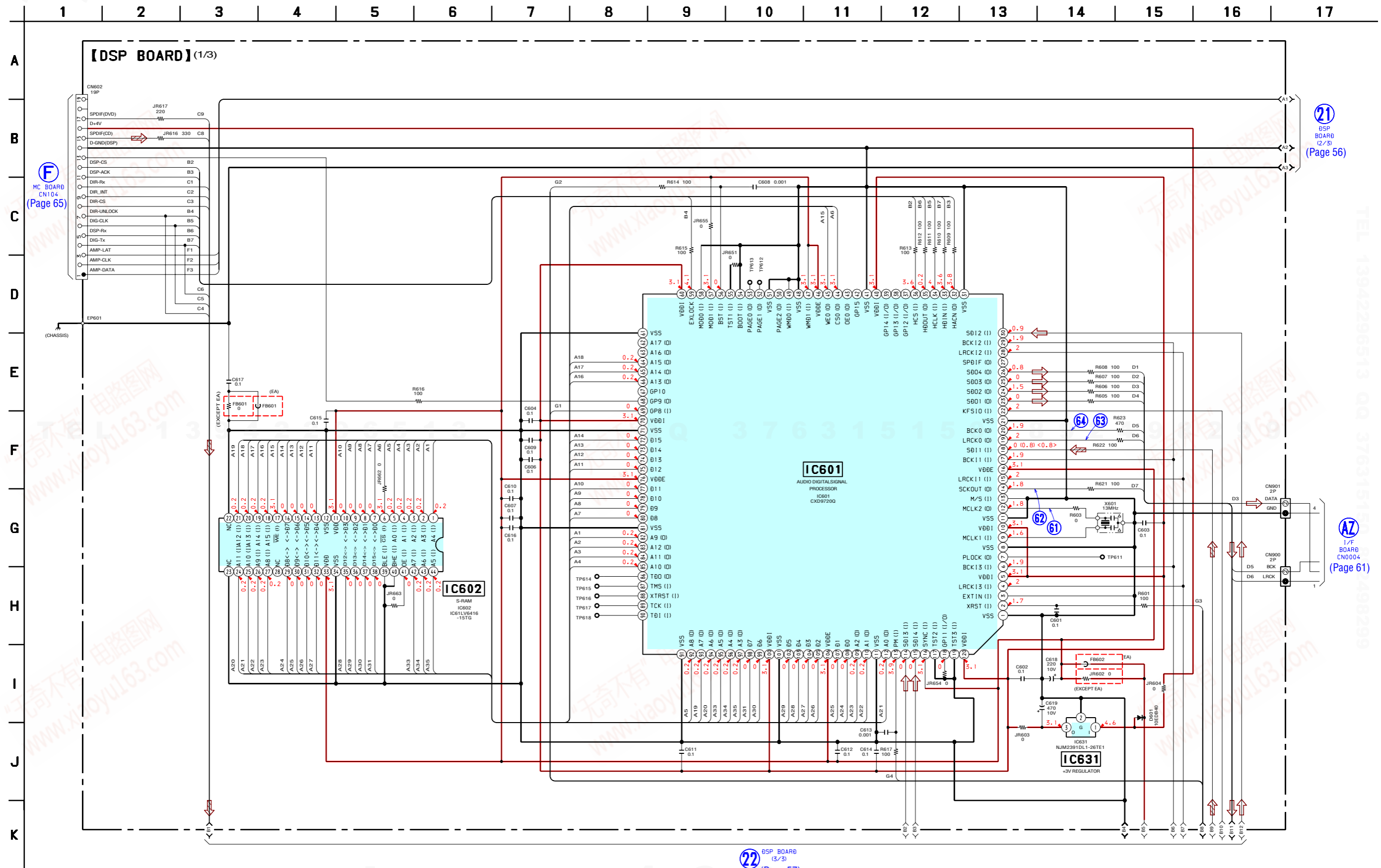
8-18. SCHEMATIC DIAGRAM - MB Board (7/7) - See page 92 for IC Block Diagram.



5 MB BOARD (3/7) (Page 50)

AB DSP BOARD (3/3) CN603 (Page 57)

8-19. SCHEMATIC DIAGRAM - DSP Board (1/3) - • See page 90 for Waveforms. • See page 100 for IC Pin Function Description.



F MC BOARD CN104 (Page 65)

21 DSP BOARD (2/3) (Page 56)

A7 I/F BOARD CN004 (Page 61)

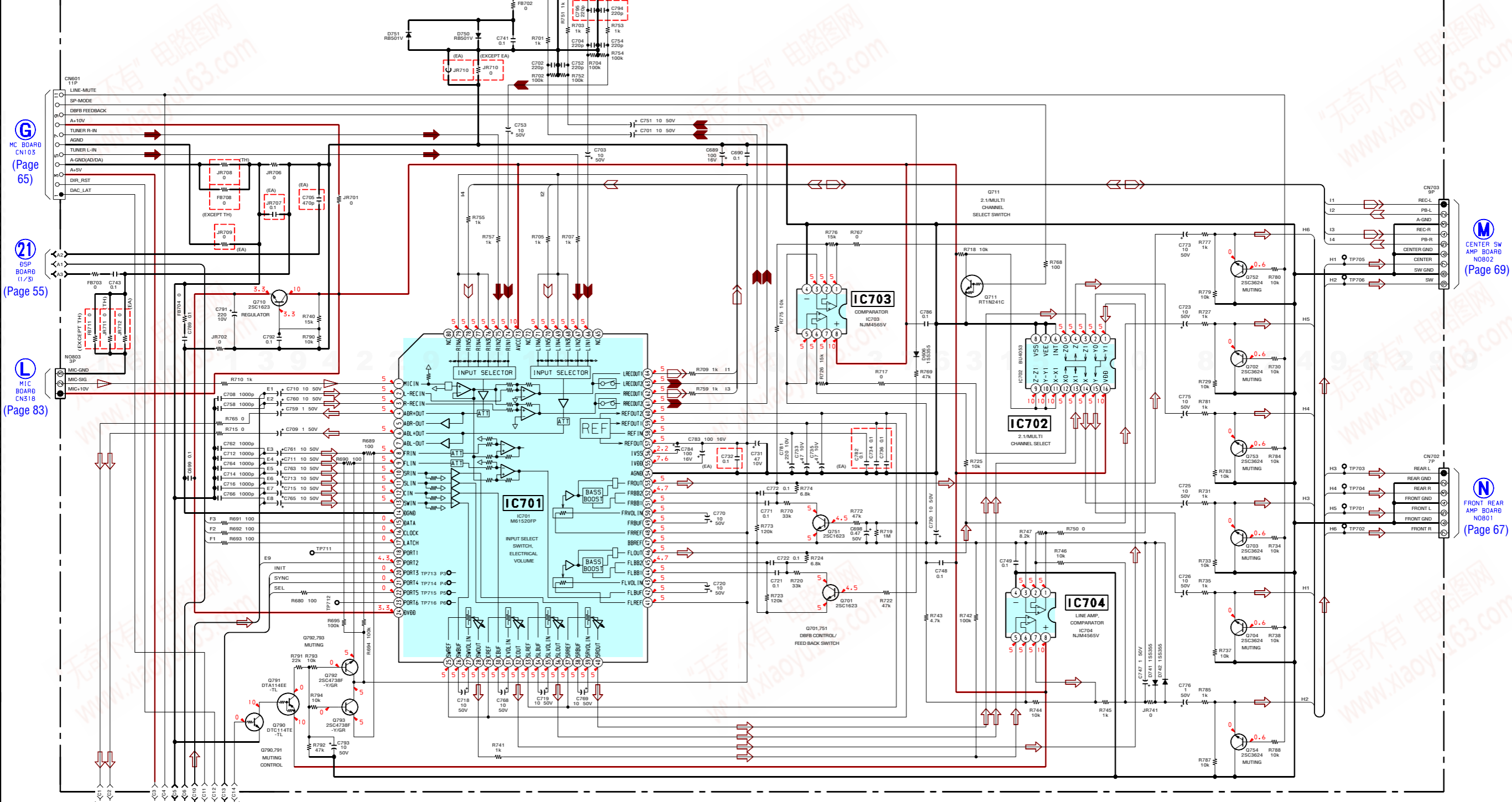
22 DSP BOARD (3/3) (Page 57)

8-20. SCHEMATIC DIAGRAM - DSP Board (2/3) -

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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

【DSP BOARD】(2/3)



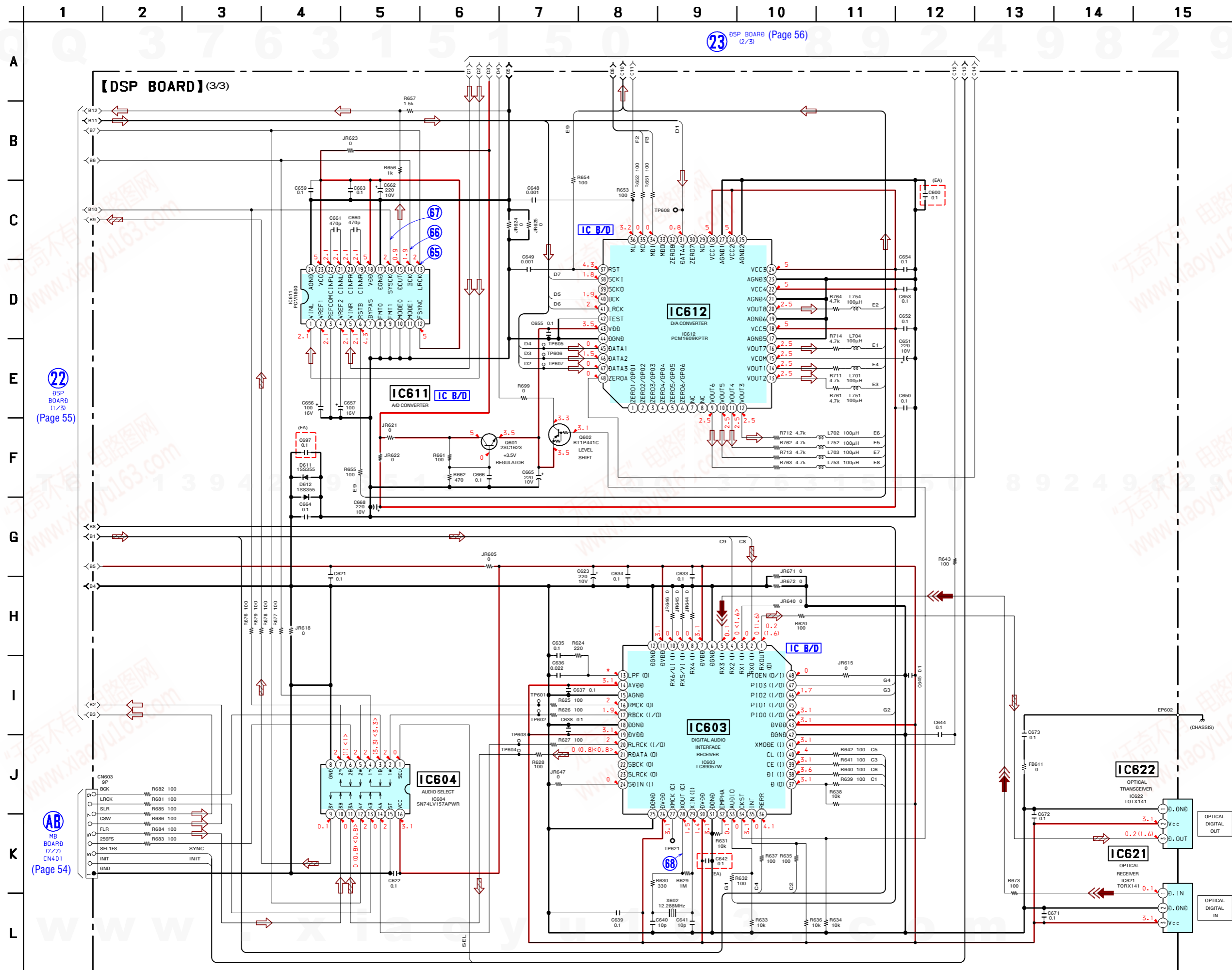
23 DSP BOARD (3/3) (Page 57)

21 DSP BOARD (1/3) (Page 55)

22 DSP BOARD (2/3) (Page 56)

24 DSP BOARD (4/3) (Page 58)

8-21. SCHEMATIC DIAGRAM – DSP Board (3/3) – • See page 92 for IC Block Diagrams. • See page 90 for Waveforms.

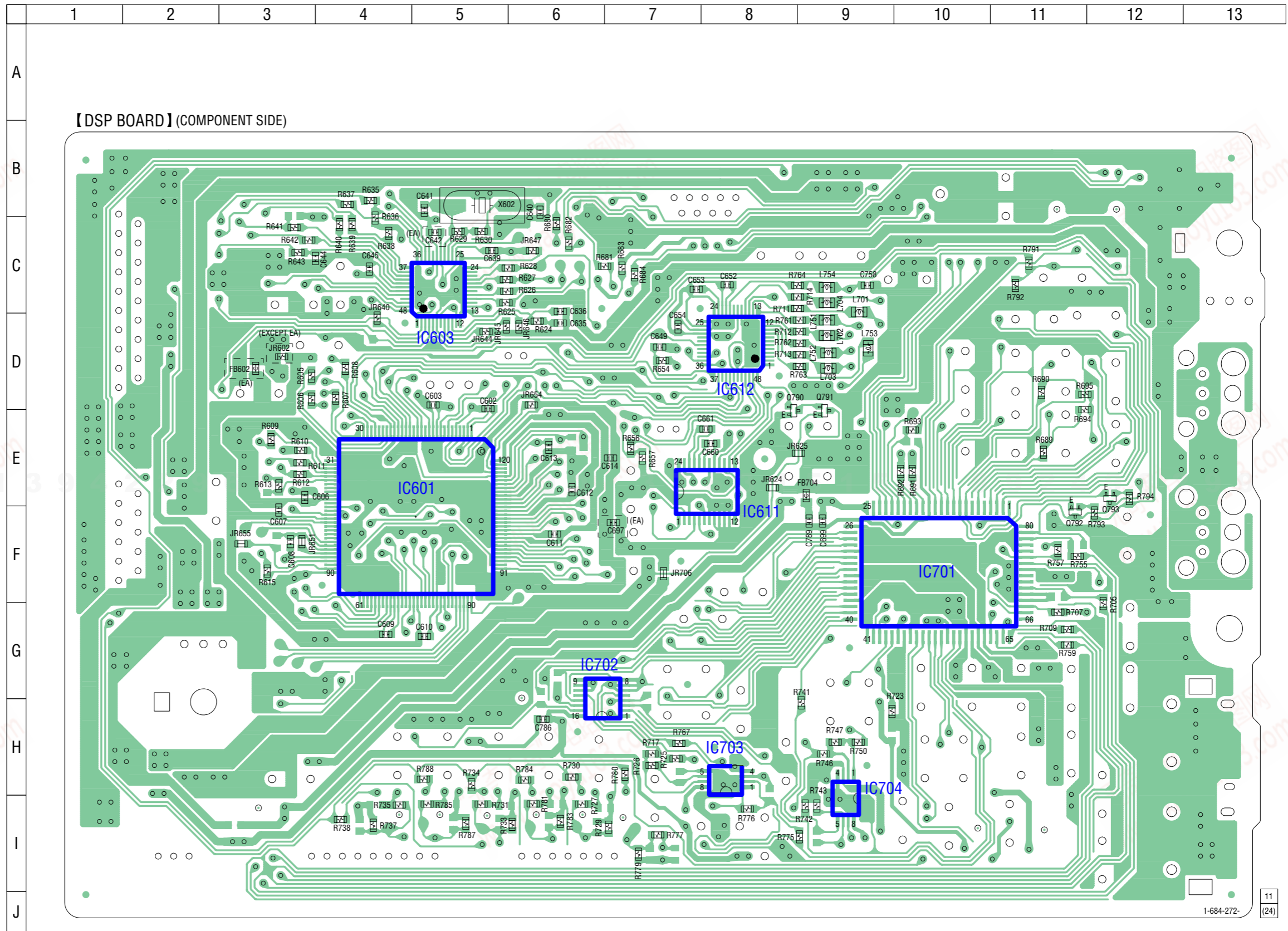


22 DSP BOARD (1/3) (Page 55)

AB MB BOARD (7/7) CN401 (Page 54)

23 DSP BOARD (Page 56) (2/3)

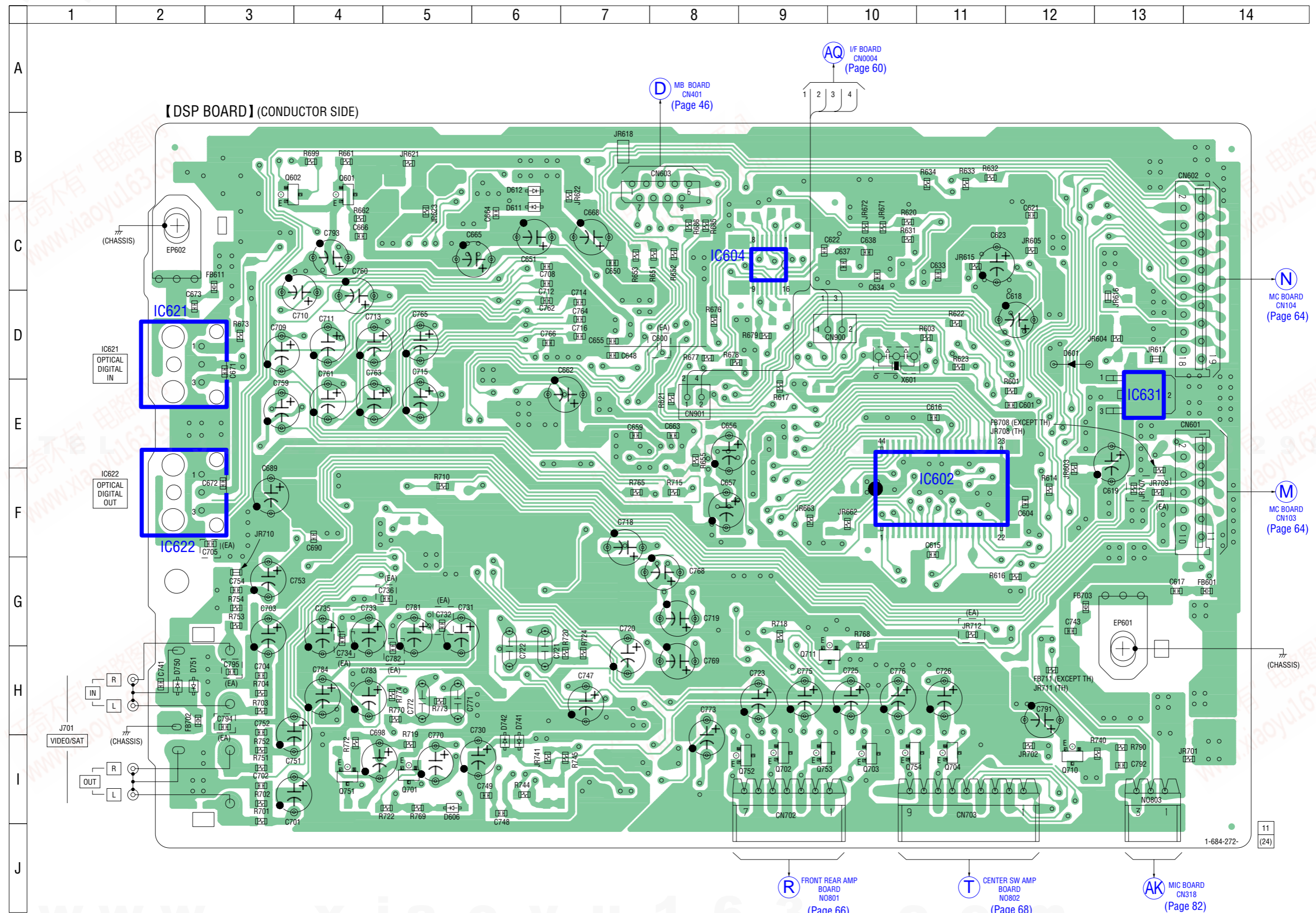
8-22. PRINTED WIRING BOARD – DSP Board (Component Side) – • See page 43 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
C601	F-6
IC603	C-5
IC611	E-8
IC612	D-8
IC701	F-10
IC702	G-6
IC703	H-8
IC704	I-9
Q790	E-8
Q791	E-9
Q792	F-11
Q793	E-12

8-23. PRINTED WIRING BOARD – DSP Board (Conductor Side) – • See page 43 for Circuit Boards Location. **UF** : Uses unleaded solder.



• Semiconductor Location

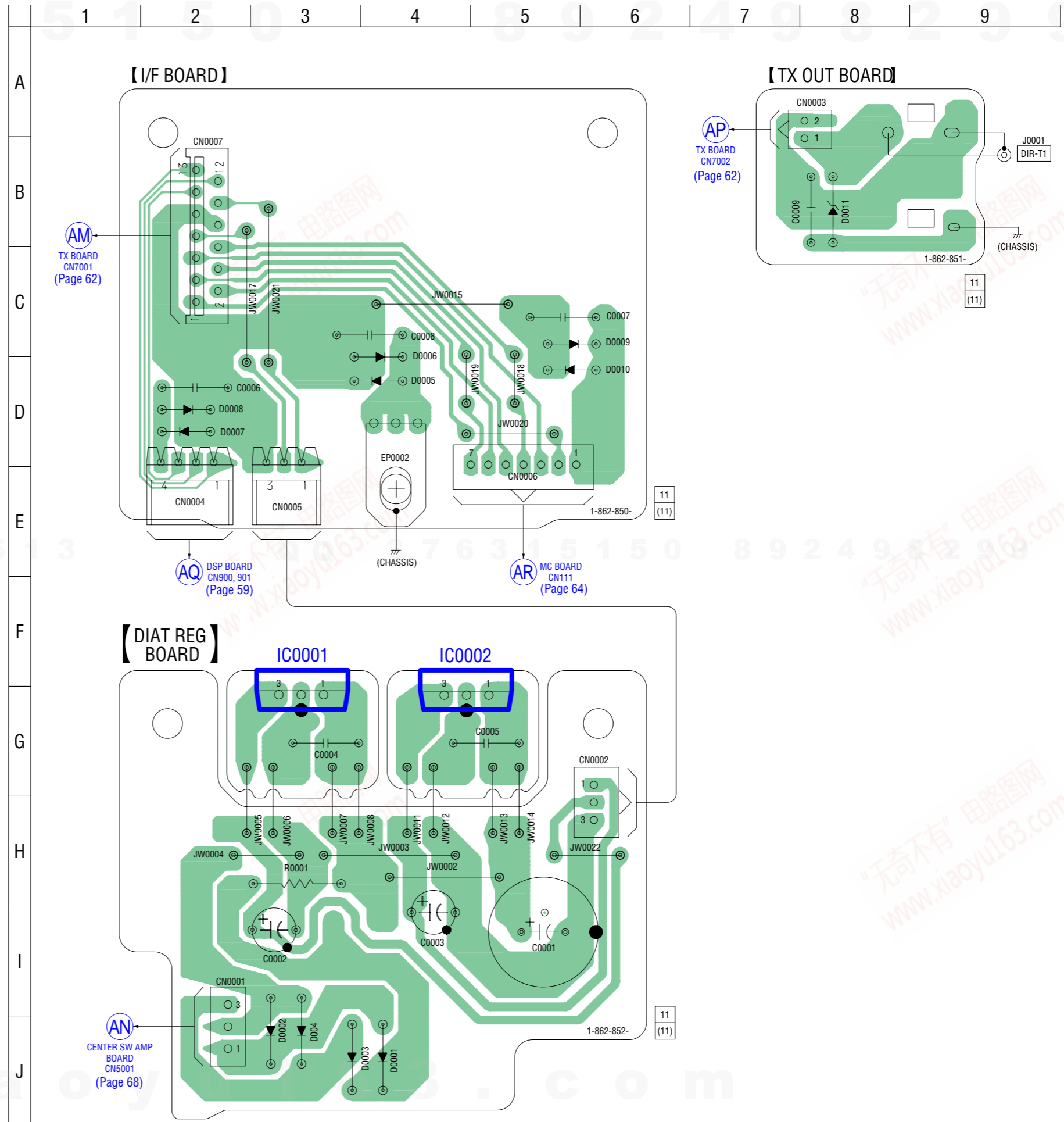
Ref. No.	Location
D601	D-12
D606	I-5
D611	C-6
D612	B-6
D741	I-7
D742	I-7
D750	H-2
D751	H-2
IC602	F-11
IC604	C-9
IC621	D-2
IC622	F-2
IC631	E-13
Q601	B-4
Q602	B-3
Q701	I-5
Q702	I-9
Q703	I-10
Q704	I-11
Q710	I-12
Q711	H-10
Q751	I-4
Q752	I-9
Q753	I-9
Q754	I-10

8-24. PRINTED WIRING BOARDS – DIAT Section – • See page 43 for Circuit Boards Location.

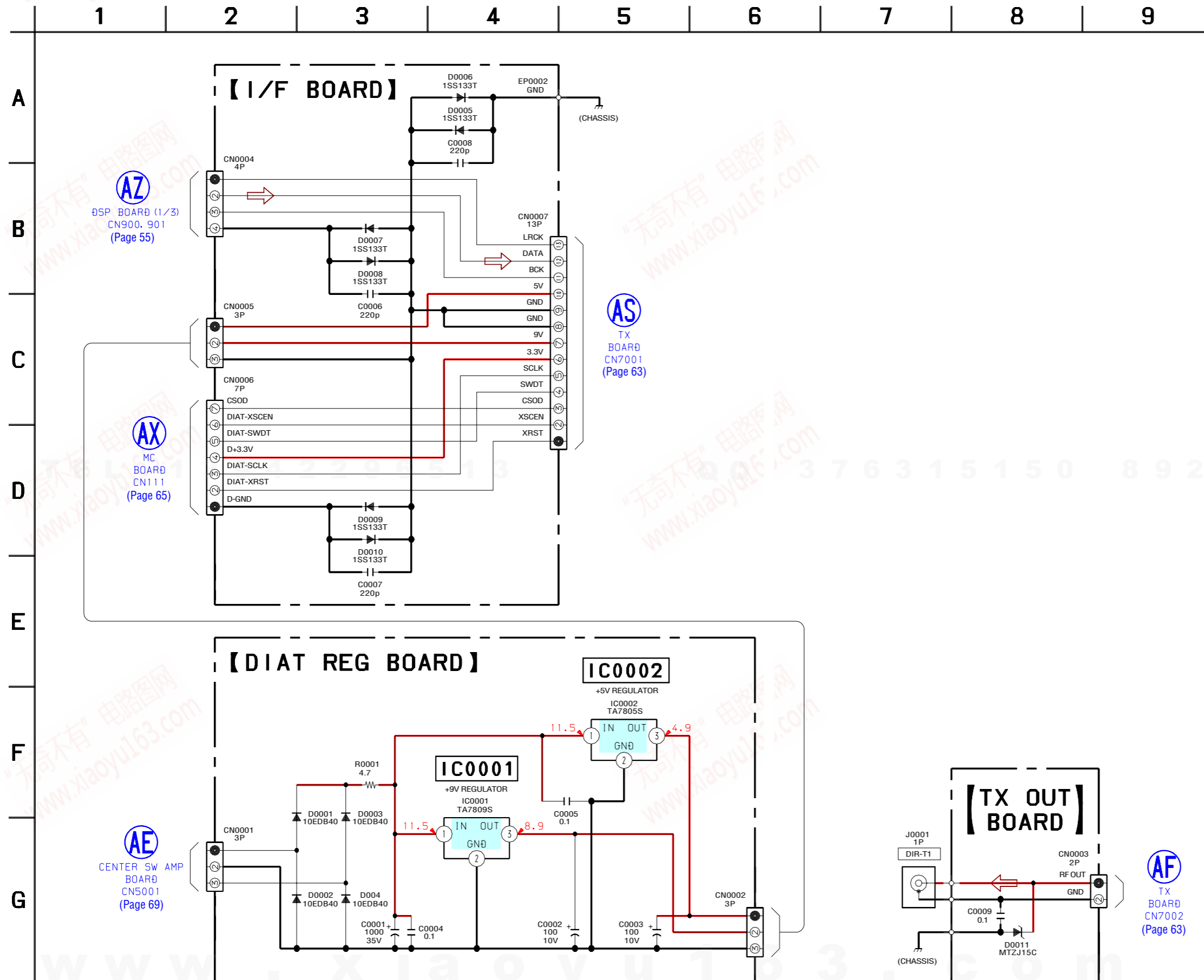
:Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D004	J-3
D0001	J-4
D0002	J-3
D0003	J-3
D0005	D-4
D0006	D-4
D0007	D-2
D0008	D-2
D0009	C-5
D0010	D-5
D0011	B-8
IC0001	G-3
IC0002	G-4



8-25. SCHEMATIC DIAGRAM - DIAT Section -



AZ
DSP BOARD (1/3)
CN900, 901
(Page 55)

AX
MC BOARD
CN111
(Page 65)

AS
TX BOARD
CN7001
(Page 63)

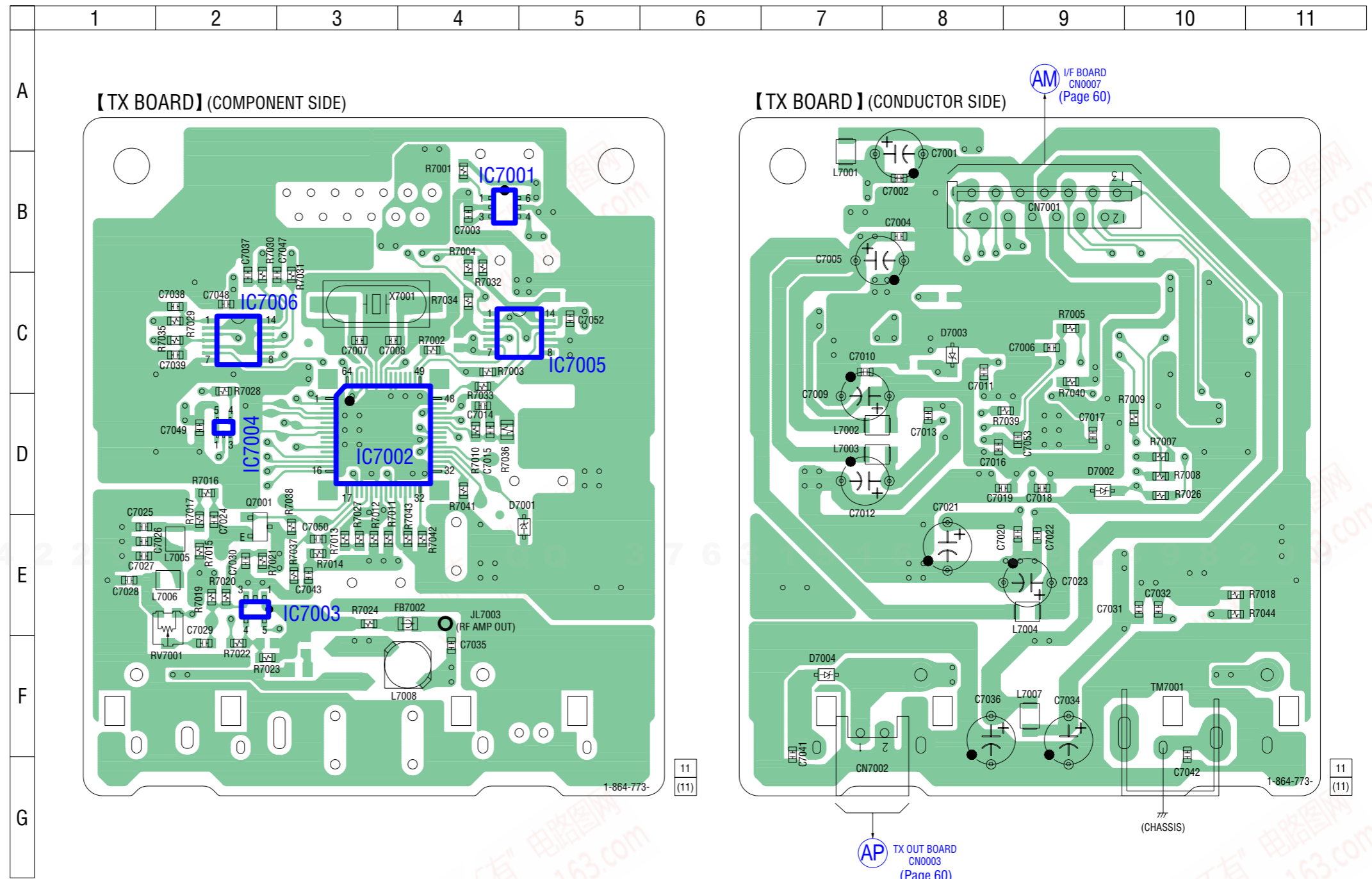
AE
CENTER SW AMP BOARD
CN5001
(Page 69)

AF
TX BOARD
CN7002
(Page 63)

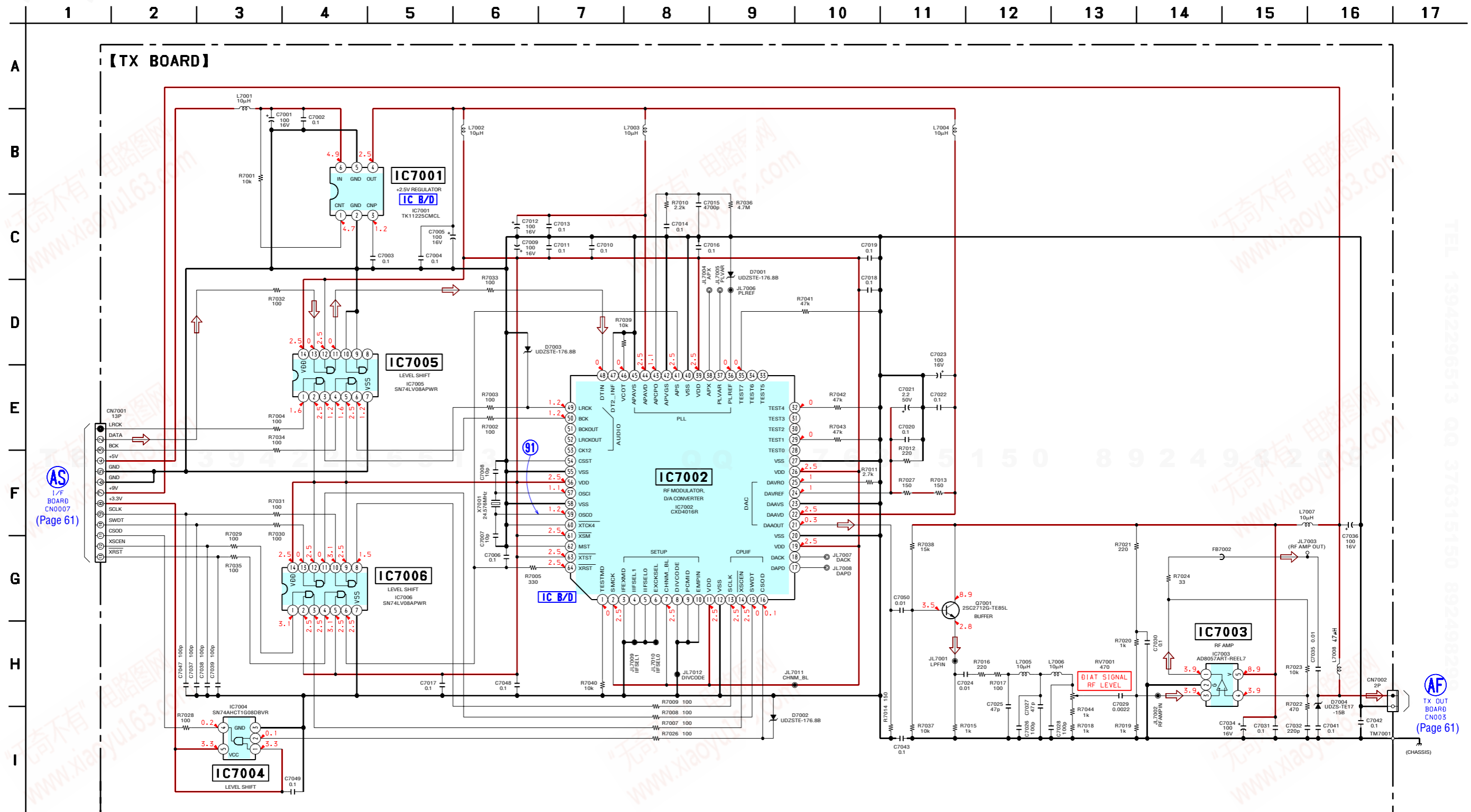
8-26. PRINTED WIRING BOARD – TX Board – • See page 43 for Circuit Boards Location.  : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D7001	E-5
D7002	D-9
D7003	C-8
D7004	F-7
IC7001	B-4
IC7002	D-3
IC7003	E-2
IC7004	D-2
IC7005	C-5
IC7006	C-2
Q7001	E-2



8-27. SCHEMATIC DIAGRAM – TX Board – • See page 92 for IC Block Diagrams. • See page 90 for Waveform.



TEL 13942296513 QQ 376315150 892498299

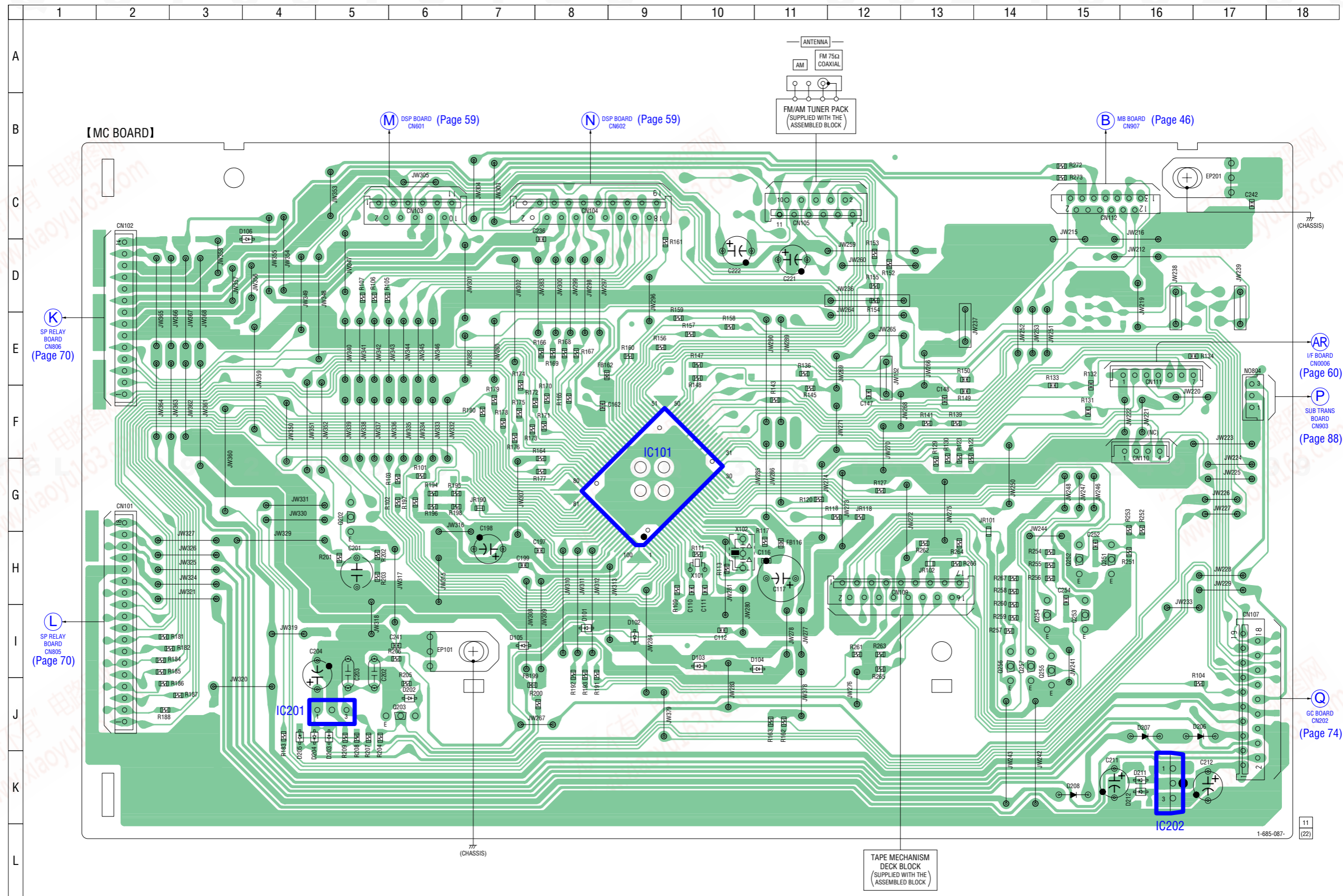
AS 1/8 BOARD CN0007 (Page 61)

AF TX OUT BOARD CN005 (Page 61)

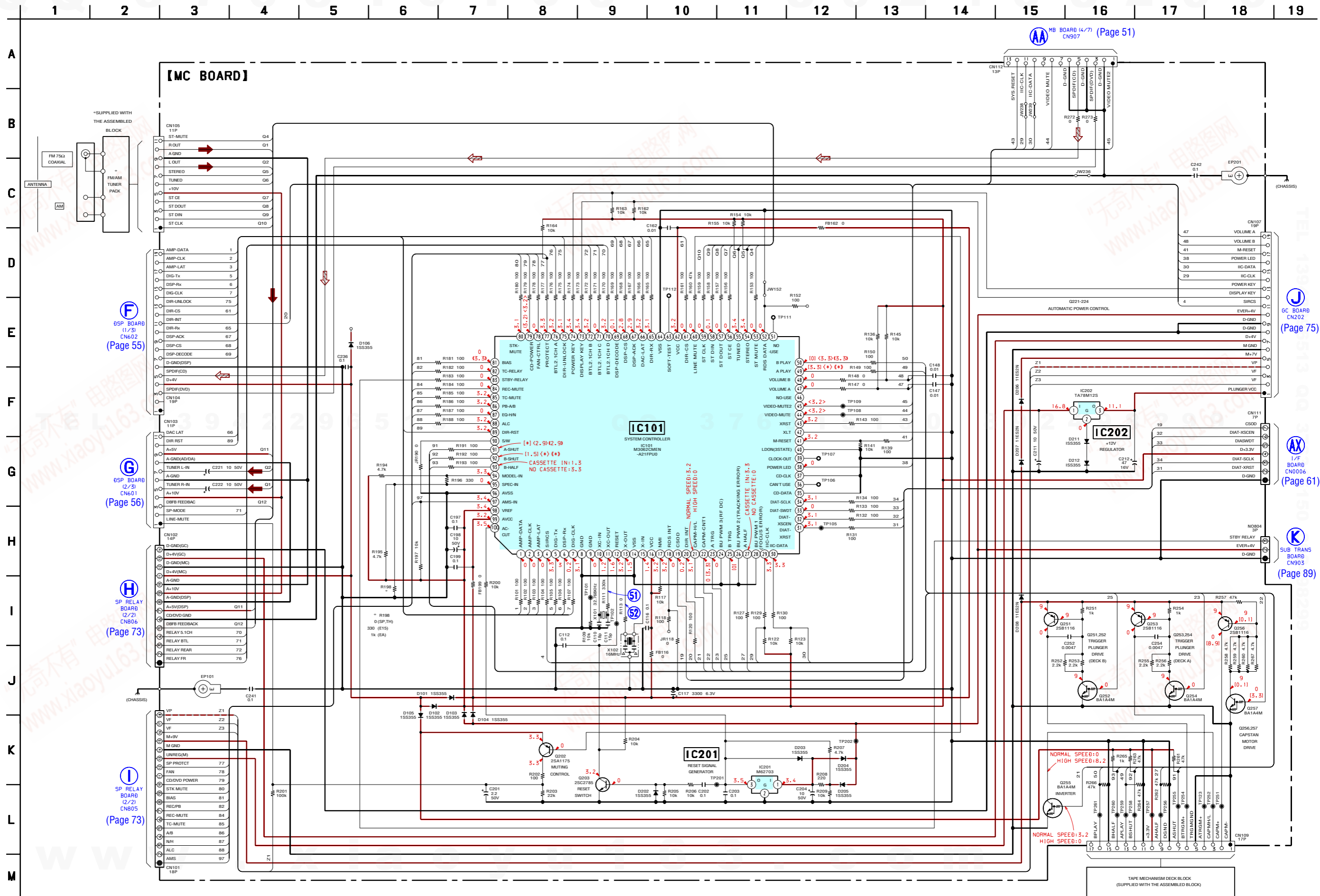
8-28. PRINTED WIRING BOARD – MC Board – • See page 43 for Circuit Boards Location.  : Uses unleaded solder.


• Semiconductor Location

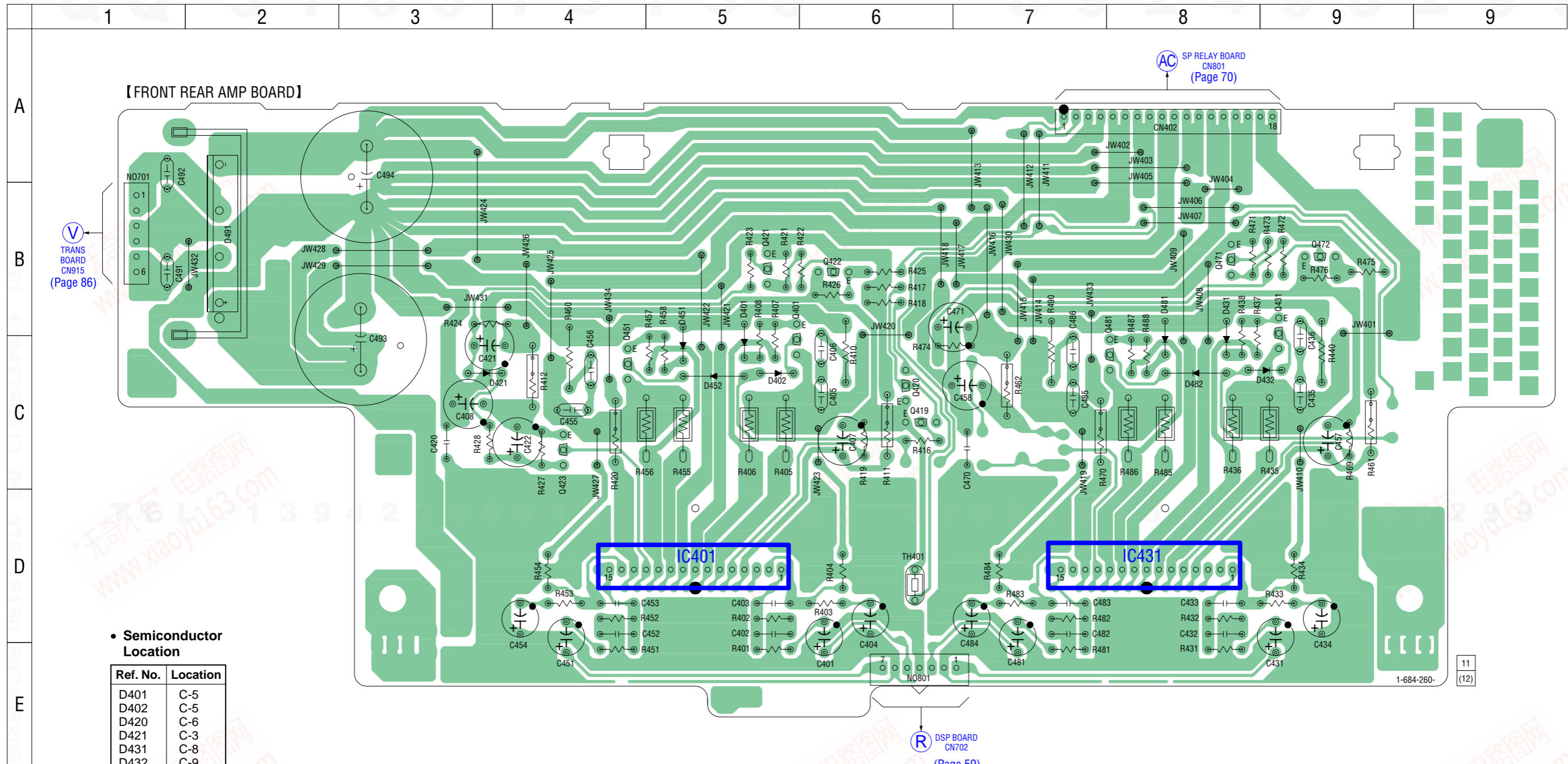
Ref. No.	Location
D101	I-8
D102	I-9
D103	I-10
D104	I-11
D105	I-7
D106	D-4
D202	J-6
D203	J-5
D204	J-4
D205	J-4
D206	J-17
D207	J-16
D208	K-15
D211	K-16
D212	K-16
IC101	G-9
IC201	J-5
IC202	K-16
Q202	G-5
Q203	J-6
Q251	H-15
Q252	H-15
Q253	I-15
Q254	I-15
Q255	I-15
Q256	I-14
Q257	I-14



8-29. SCHEMATIC DIAGRAM – MC Board – • See page 90 for Waveforms. • See page 100 for IC Pin Function Description.

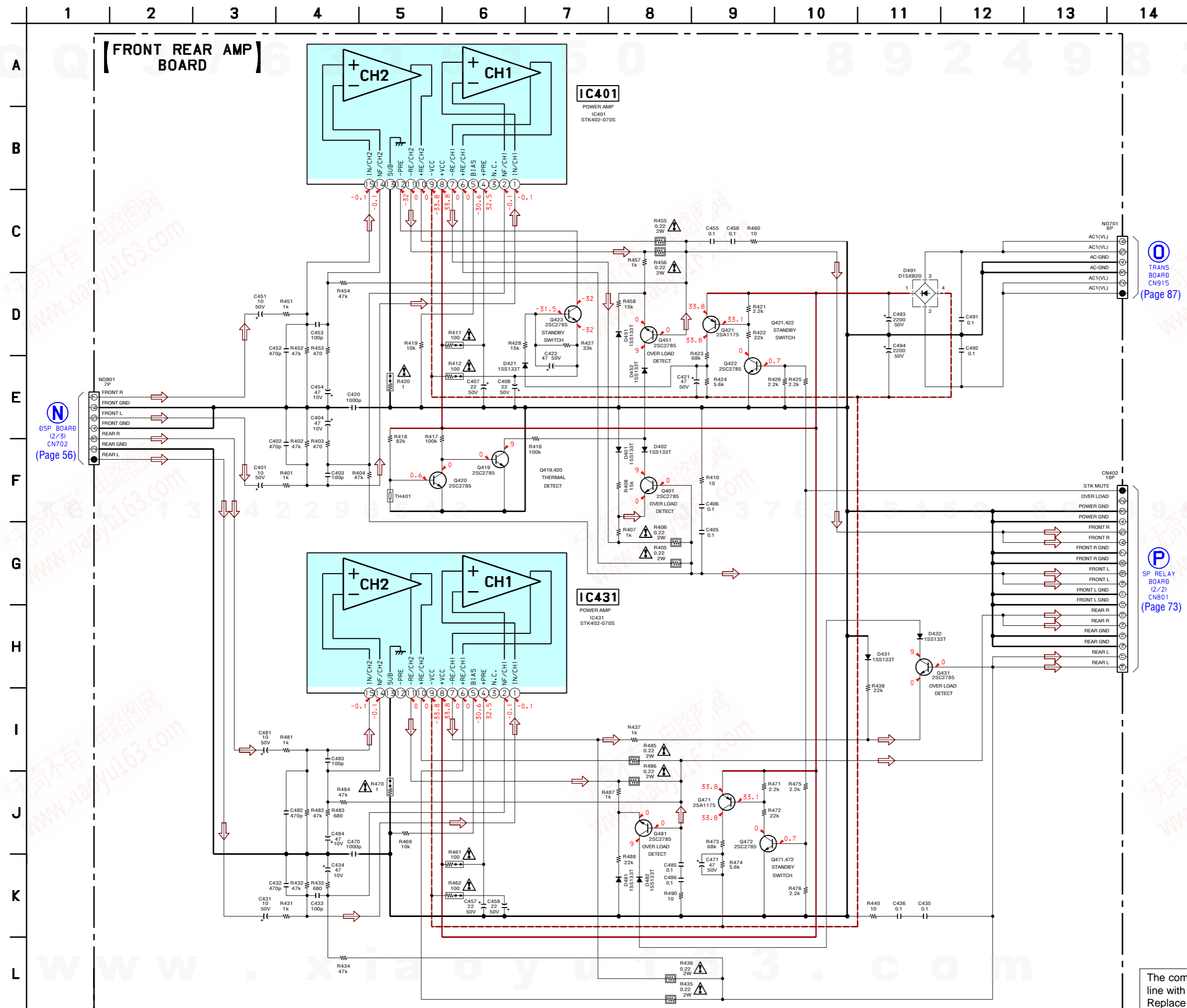


8-30. PRINTED WIRING BOARD – FRONT REAR AMP Board – • See page 43 for Circuit Boards Location.  :Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D401	C-5
D402	C-5
D420	C-6
D421	C-3
D431	C-8
D432	C-9
D451	C-5
D452	C-5
D471	C-7
D481	C-8
D482	C-8
D490	C-9
D491	B-2
IC401	D-5
IC431	D-8
Q401	C-5
Q419	C-6
Q420	C-6
Q421	B-5
Q422	B-6
Q423	C-4
Q431	B-9
Q451	C-4
Q471	B-8
Q472	B-9
Q473	C-7
Q481	C-8



(N)
BSP BOARD
(2/3)
CN702
(Page 56)

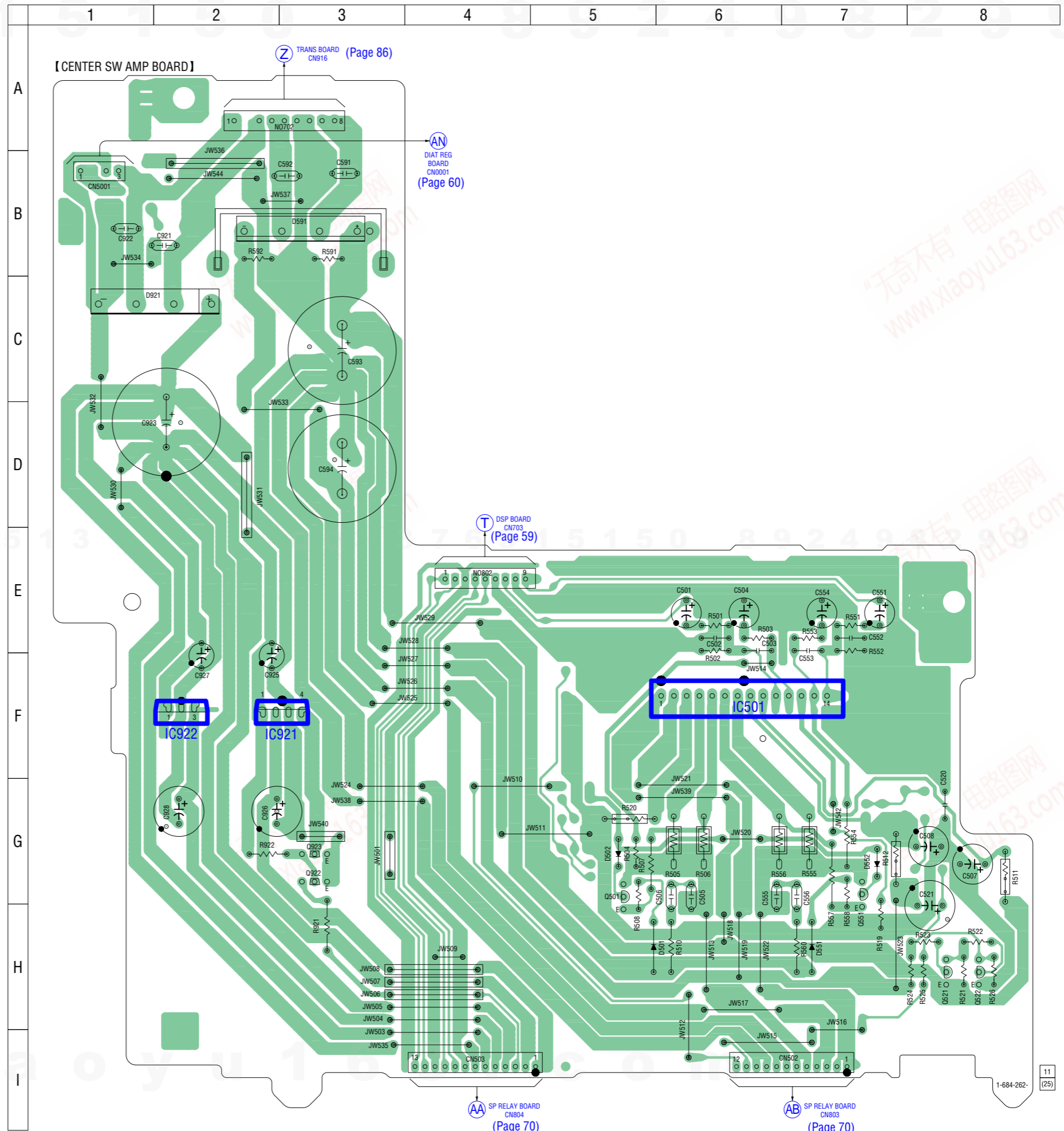
(P)
SP RELAY
BOARD
(2/2)
CN801
(Page 73)

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

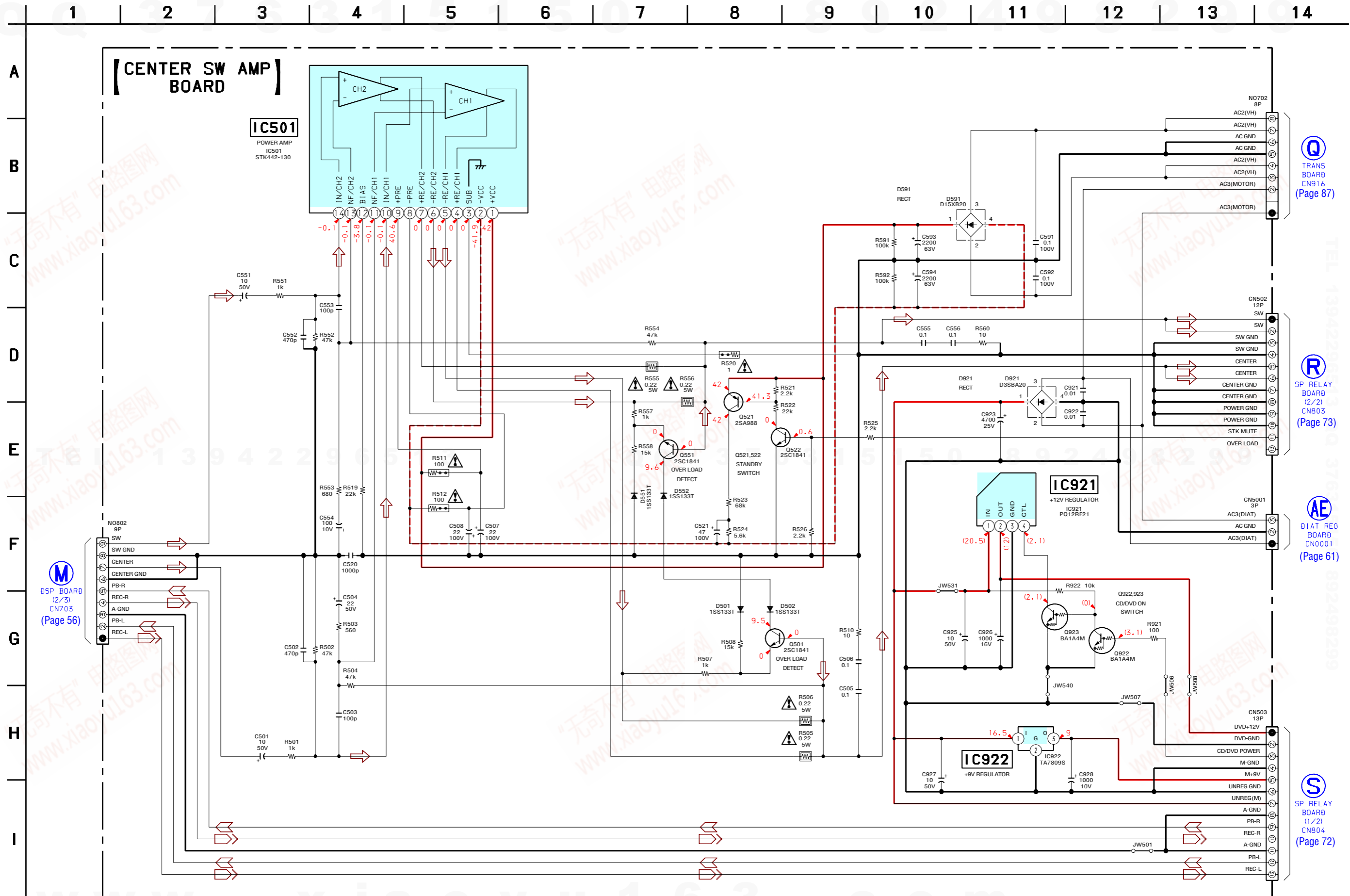
8-32. PRINTED WIRING BOARD – CENTER SW AMP Board – • See page 43 for Circuit Boards Location.  : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D501	H-5
D502	G-5
D520	G-5
D521	G-8
D551	H-7
D552	G-7
D591	B-3
D921	C-2
IC501	F-6
IC921	F-3
IC922	F-2
Q501	G-5
Q521	H-8
Q522	H-8
Q523	G-7
Q551	G-7
Q922	G-3
Q923	G-3



8-33. SCHEMATIC DIAGRAM – CENTER SW AMP Board –

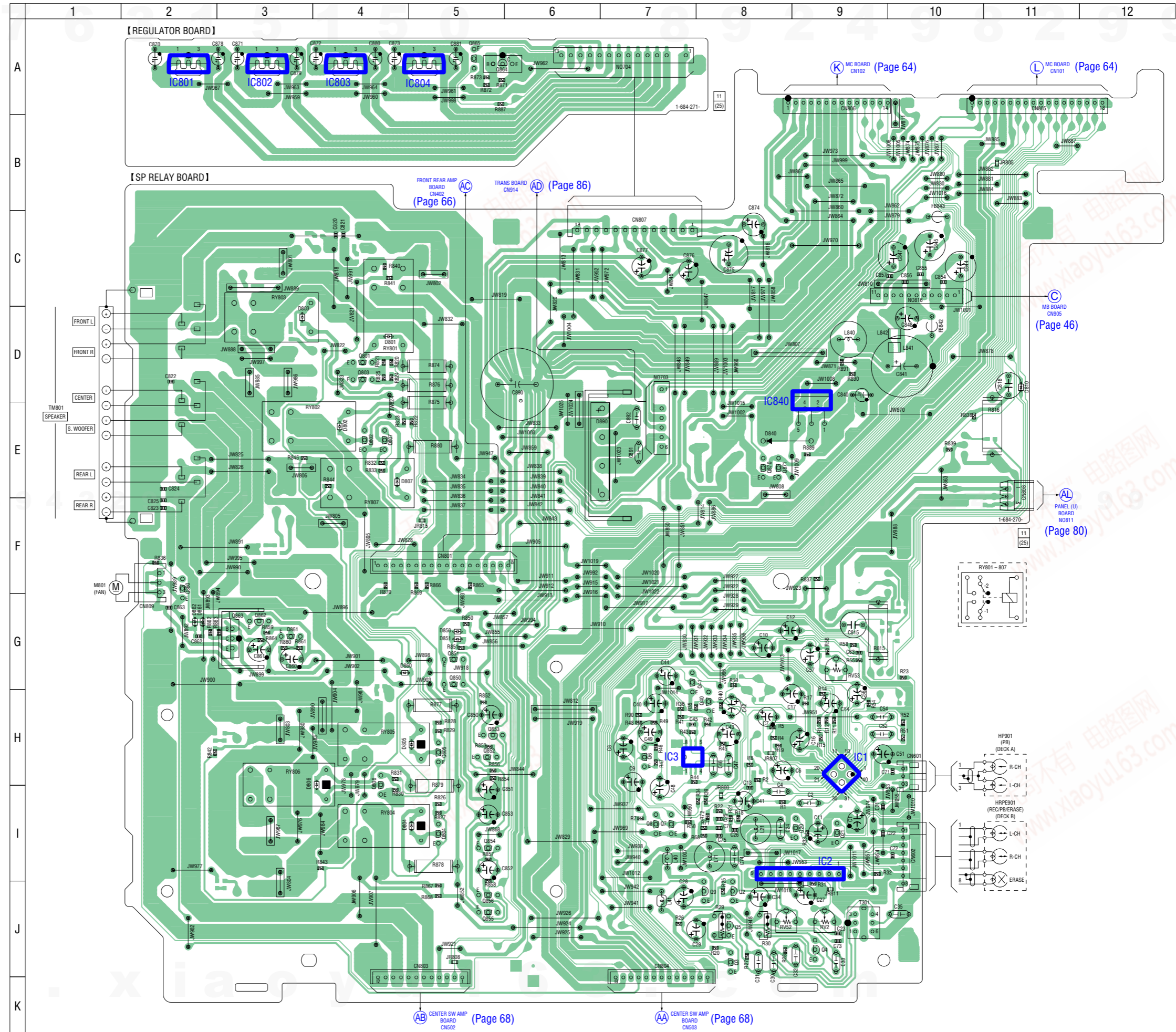


The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

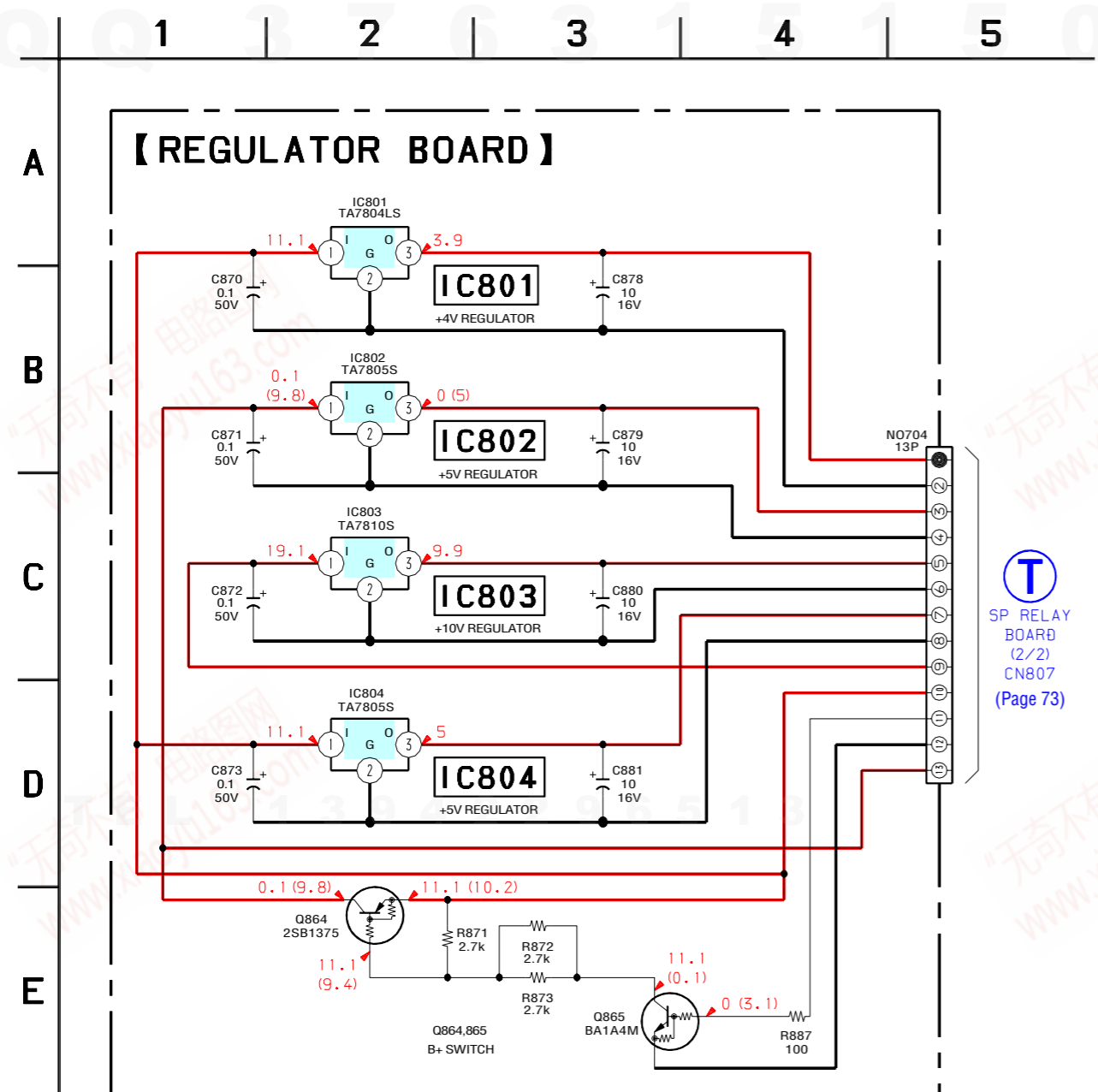
8-34. PRINTED WIRING BOARDS – SPEAKER Section – • See page 43 for Circuit Boards Location.  : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D801	D-4
D802	E-4
D803	D-3
D804	I-4
D805	H-5
D806	E-4
D807	H-4
D810	D-11
D840	H-8
D850	G-5
D851	G-5
D860	G-4
D861	G-2
D862	G-2
D890	E-6
IC1	H-9
IC2	I-9
IC3	H-7
IC801	A-2
IC802	A-3
IC803	A-4
IC804	A-5
IC840	E-9
Q2	J-8
Q3	J-8
Q4	J-9
Q5	J-8
Q6	H-7
Q7	I-7
Q8	I-7
Q9	J-8
Q20	I-9
Q21	I-9
Q40	H-8
Q41	G-7
Q801	D-4
Q802	E-4
Q803	D-4
Q804	I-5
Q805	H-5
Q806	H-4
Q807	E-4
Q850	G-5
Q851	G-5
Q852	H-5
Q853	H-5
Q854	I-5
Q855	J-5
Q856	J-5
Q860	F-2
Q861	G-3
Q862	G-3
Q863	G-3
Q864	A-5
Q865	A-5
Q870	E-8
Q871	E-8



8-35. SCHEMATIC DIAGRAM – REGULATOR Board –

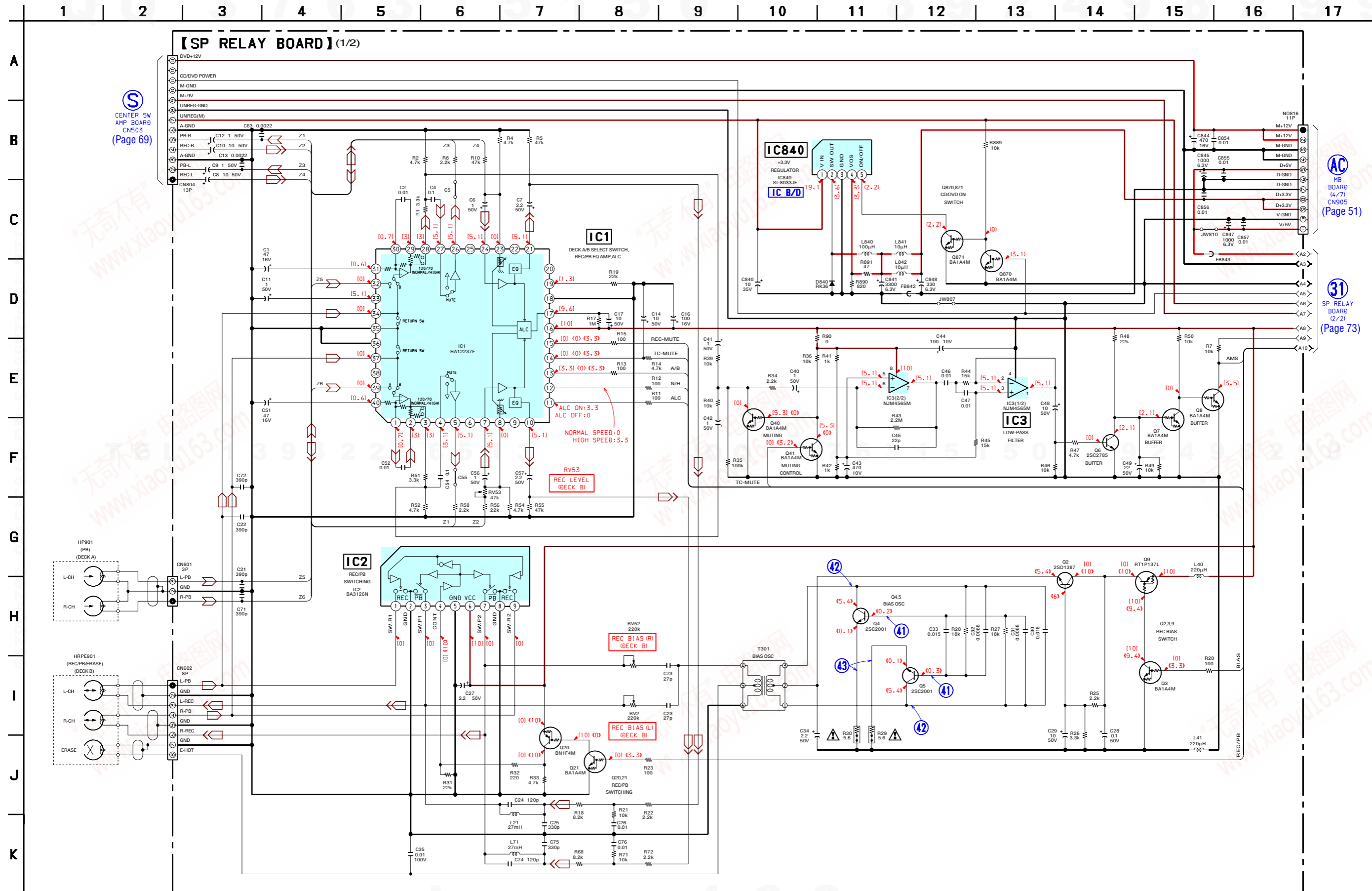


T
SP RELAY BOARD
(2/2)
CN807
(Page 73)

TEL 13942296513 QQ 376315150 892498299

TEL 13942296513 QQ 376315150 892498299

8-36. SCHEMATIC DIAGRAM – SP RELAY Board (1/2) – • See page 92 for IC Block Diagram. • See page 90 for Waveforms.



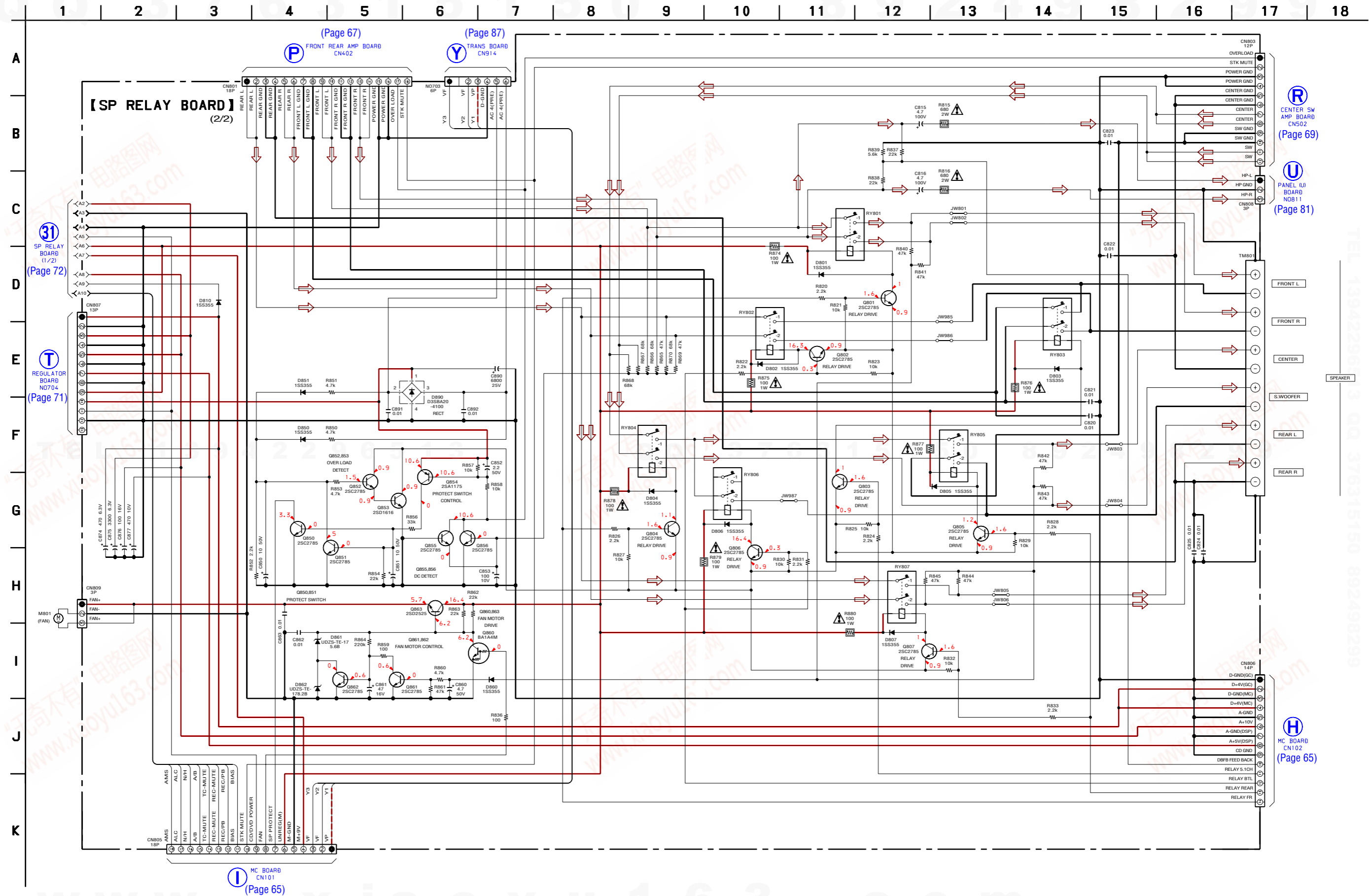
① CENTER SW AMP BOARD CN503 (Page 69)

② MB BOARD (4/7) CN905 (Page 51)

③ SP RELAY BOARD (2/2) (Page 73)

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

8-37. SCHEMATIC DIAGRAM - SP RELAY Board (2/2) -

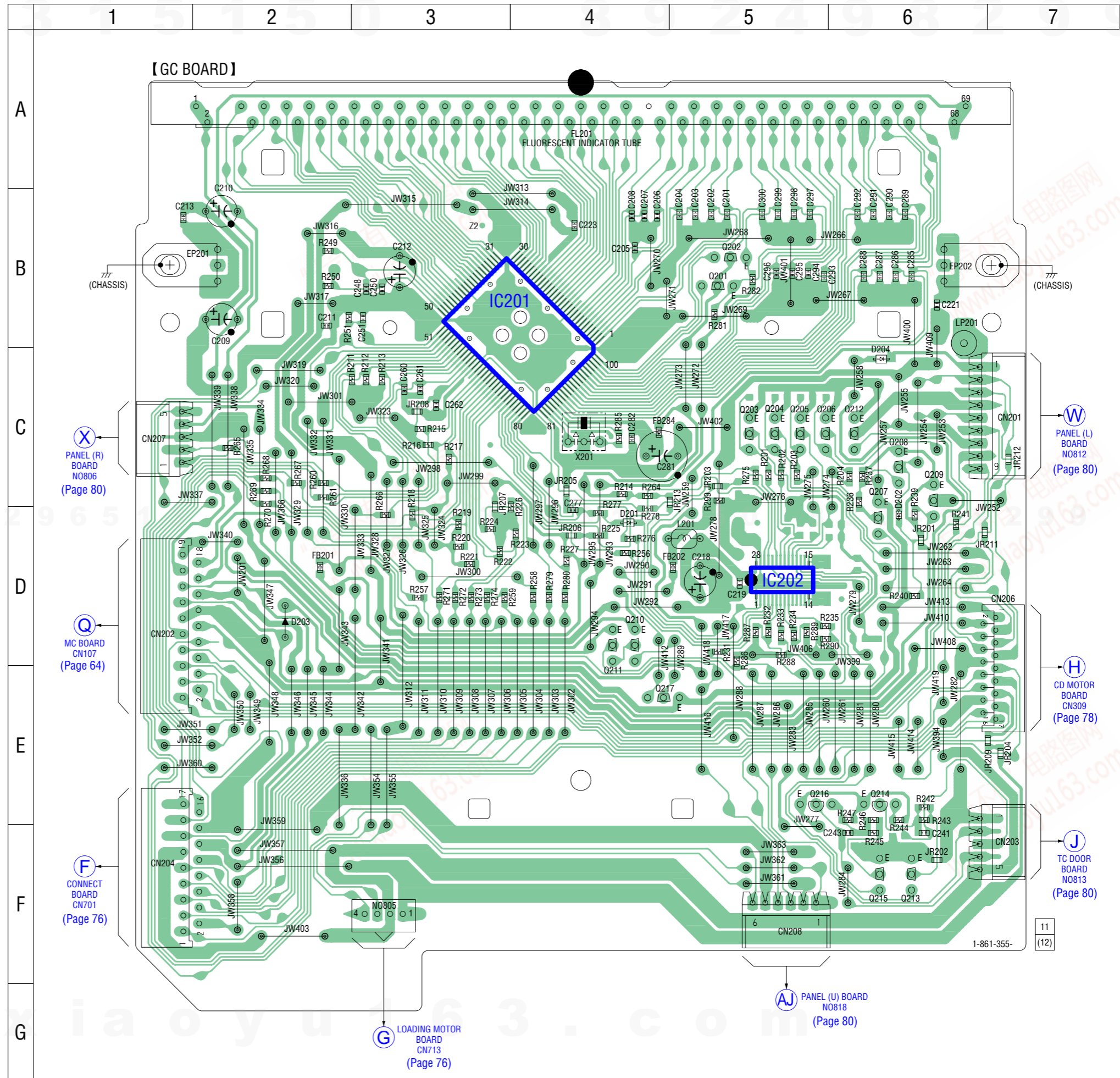


The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

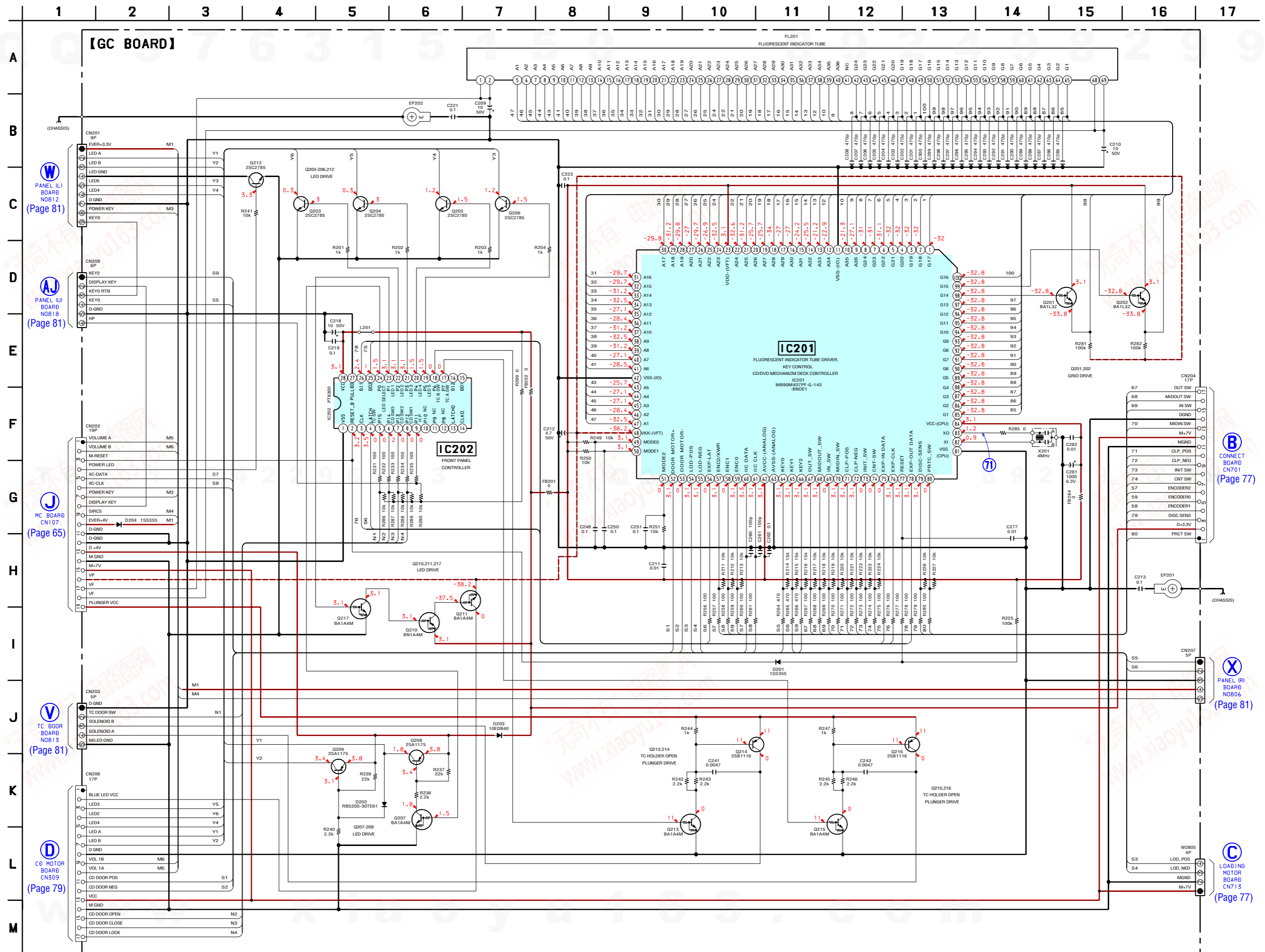
8-38. PRINTED WIRING BOARD – GC Board – • See page 43 for Circuit Boards Location.  : Uses unleaded solder.

• Semiconductor Location

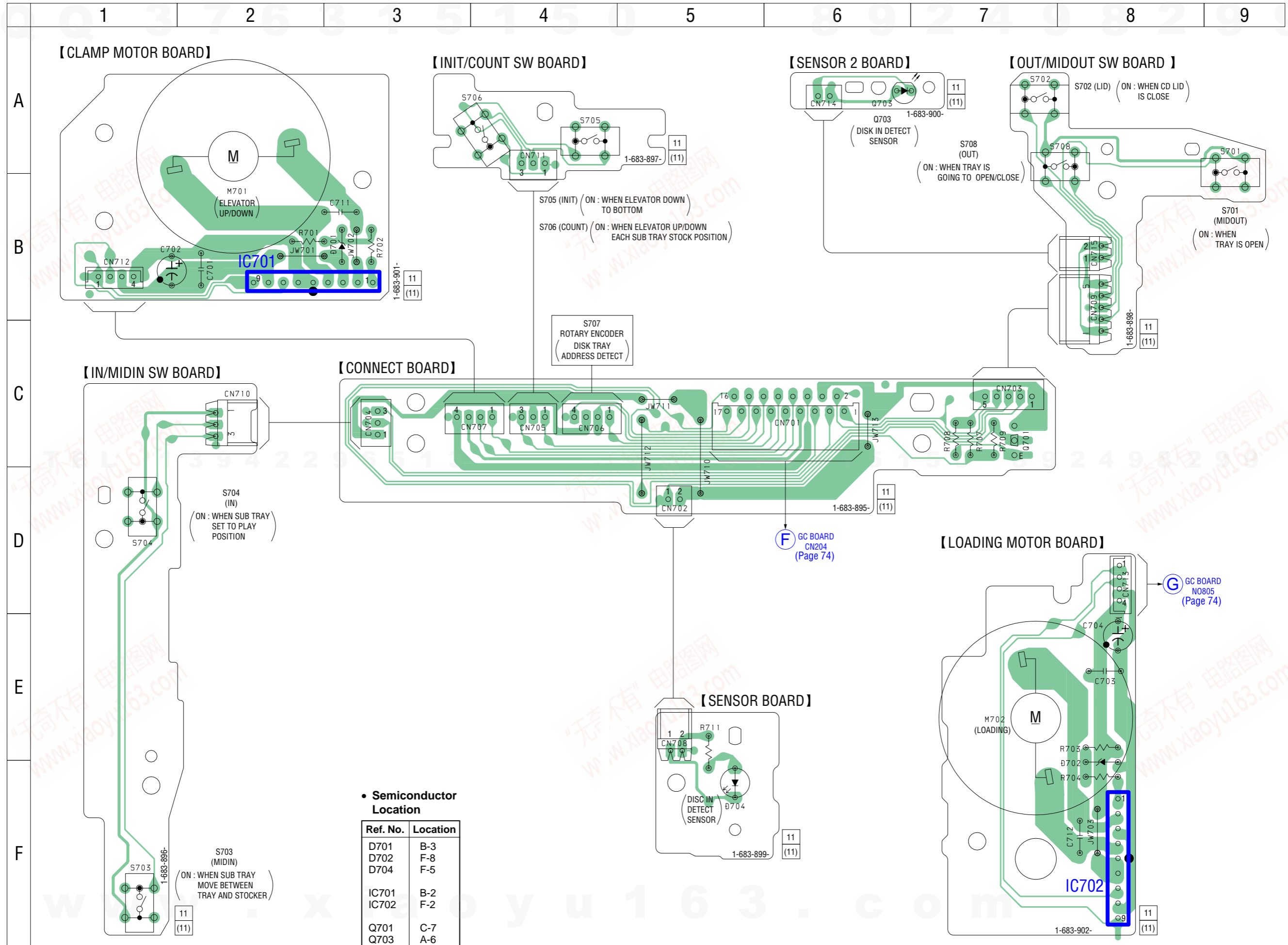
Ref. No.	Location
D201	D-4
D202	D-6
D203	D-3
D204	C-6
IC201	B-4
IC202	D-5
Q201	B-5
Q202	B-5
Q203	C-5
Q204	C-5
Q205	C-5
Q206	C-5
Q207	D-6
Q208	C-6
Q209	C-6
Q210	D-4
Q211	D-4
Q212	C-6
Q213	F-6
Q214	E-6
Q215	F-6
Q216	E-5
Q217	E-4



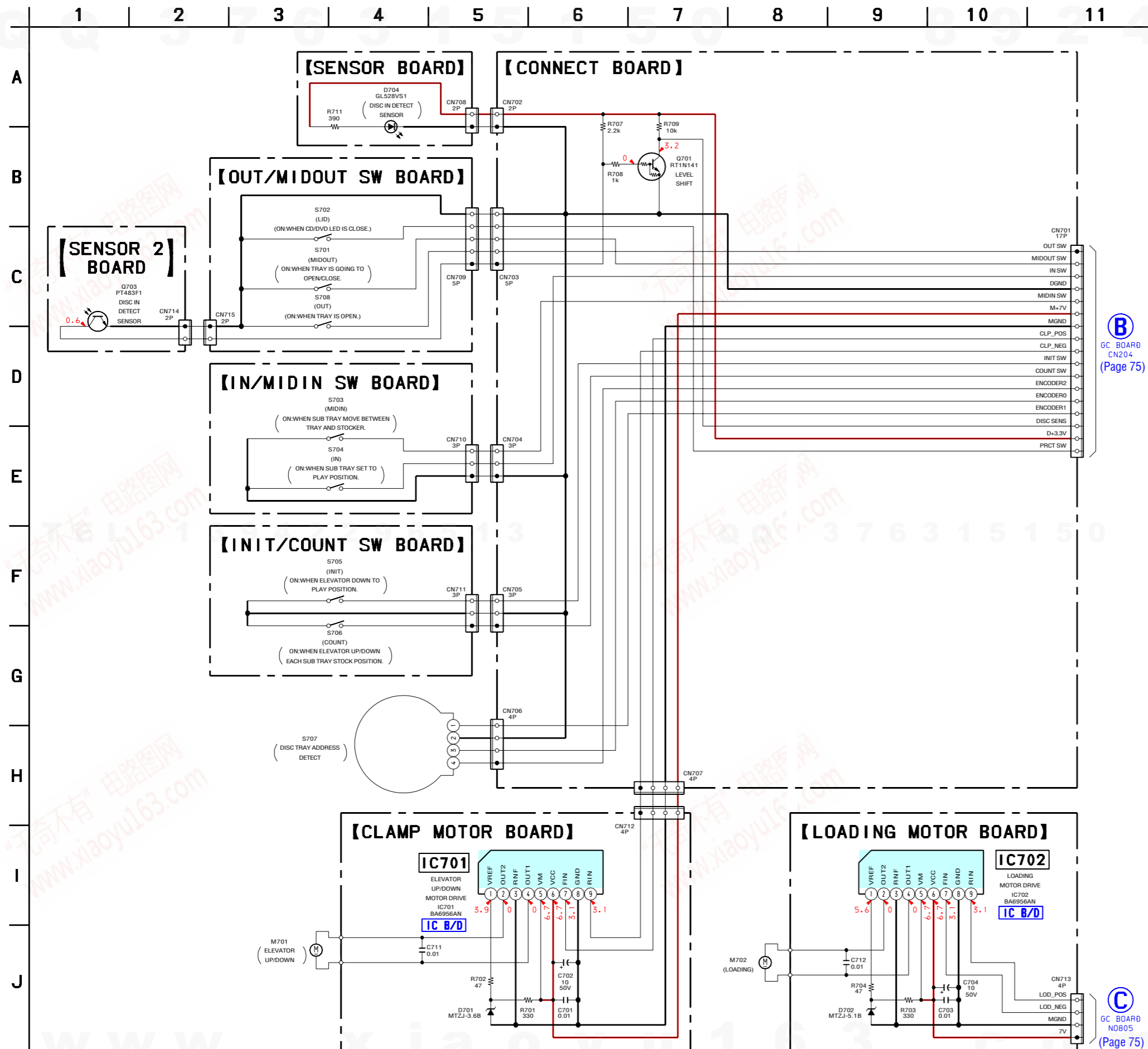
8-39. SCHEMATIC DIAGRAM – GC Board – • See page 90 for Waveform. • See page 100 for IC Pin Function Description.



8-40. PRINTED WIRING BOARDS – CHANGER Section – • See page 43 for Circuit Boards Location. **LF** : Uses unleaded solder.



8-41. SCHEMATIC DIAGRAM – CHANGER Section – • See page 92 for IC Block Diagrams.



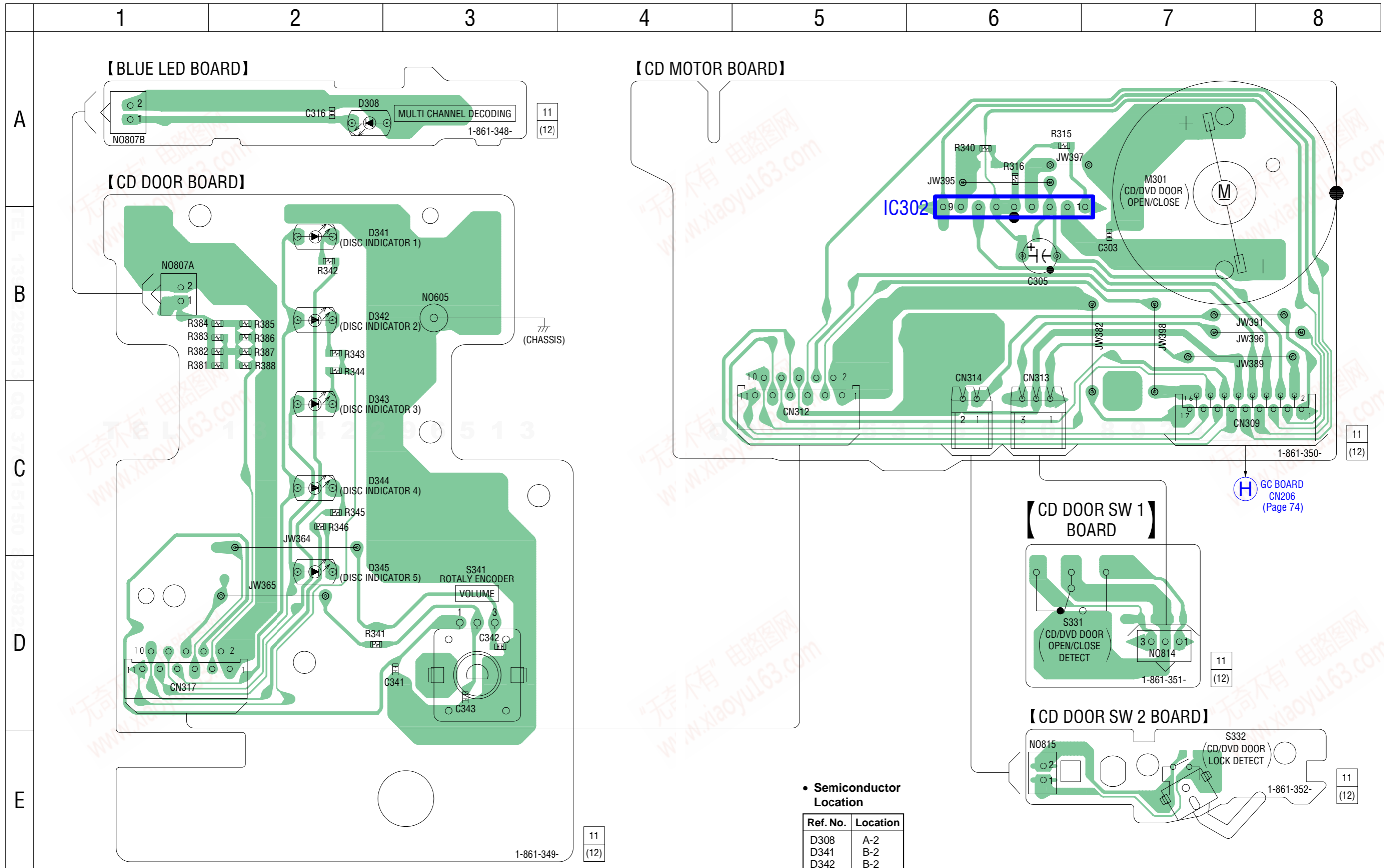
GC BOARD CN204 (Page 75)

GC BOARD NO805 (Page 75)

TEL: 13942296513 QQ: 376315150 892498299

TEL: 13942296513 QQ: 376315150 892498299

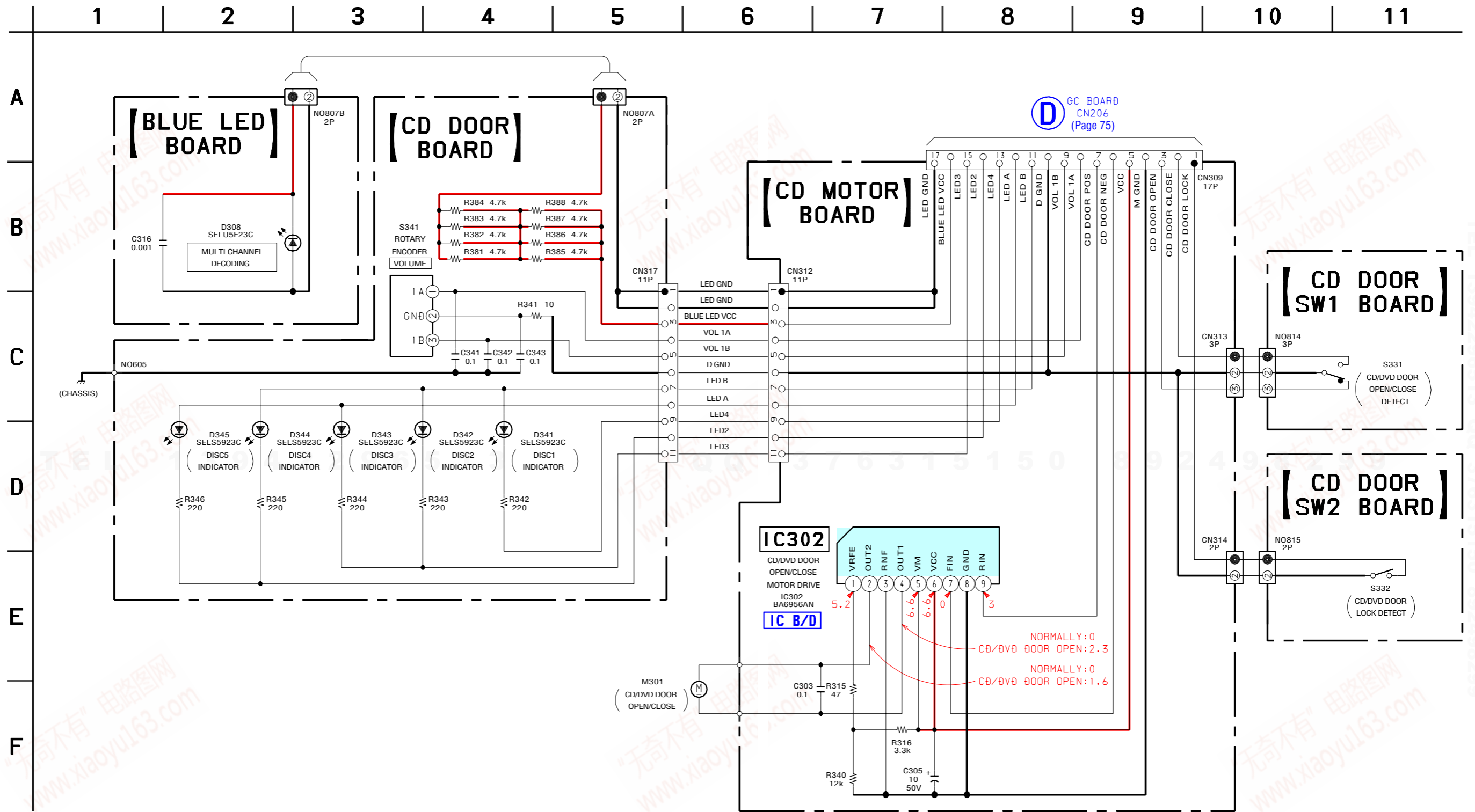
8-42. PRINTED WIRING BOARDS – CD DOOR Section – • See page 43 for Circuit Boards Location.  : Uses unleaded solder.



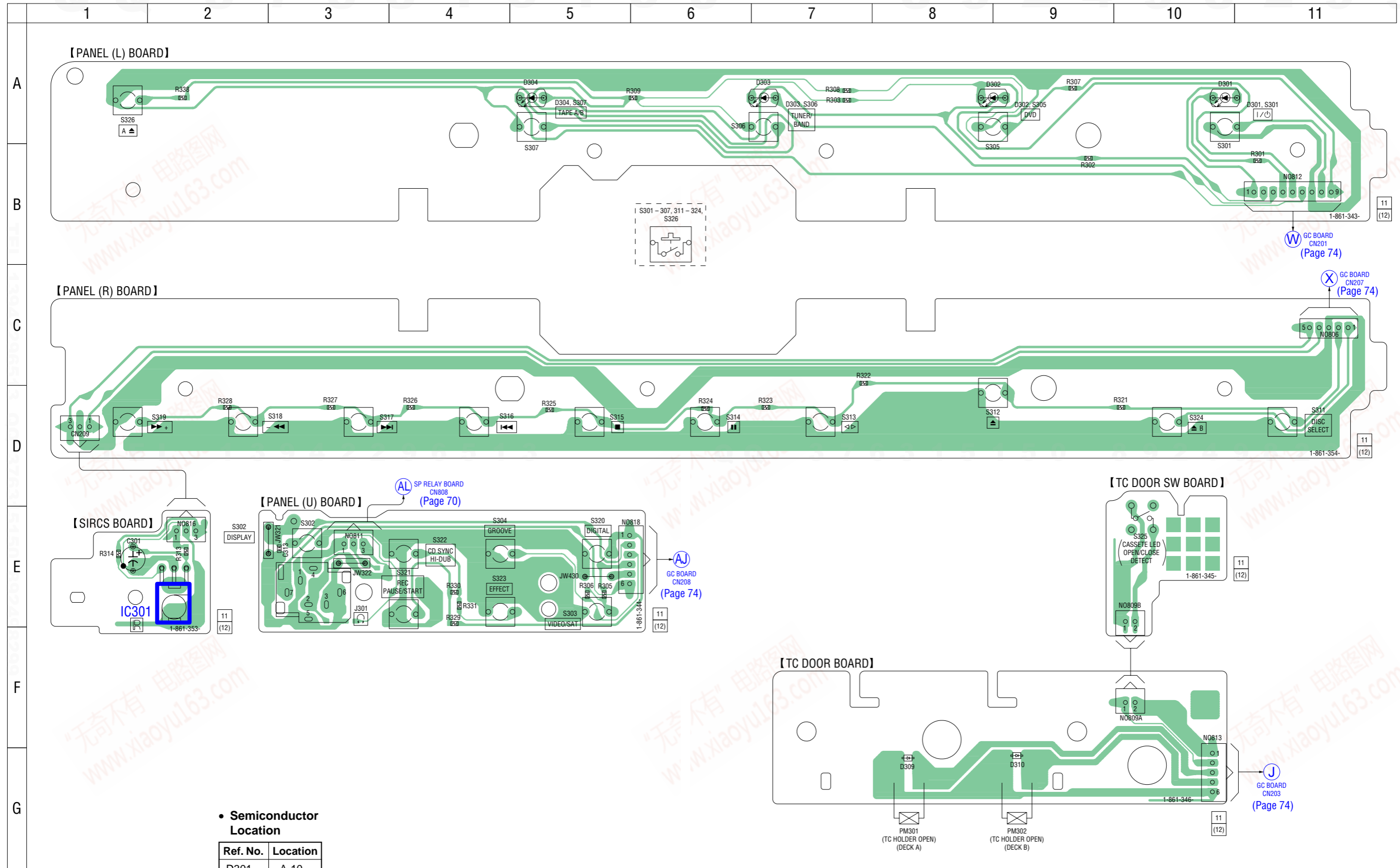
• Semiconductor Location

Ref. No.	Location
D308	A-2
D341	B-2
D342	B-2
D343	C-2
D344	C-2
D345	D-2
IC302	B-6

8-43. SCHEMATIC DIAGRAM – CD DOOR Section – • See page 92 for IC Block Diagram.



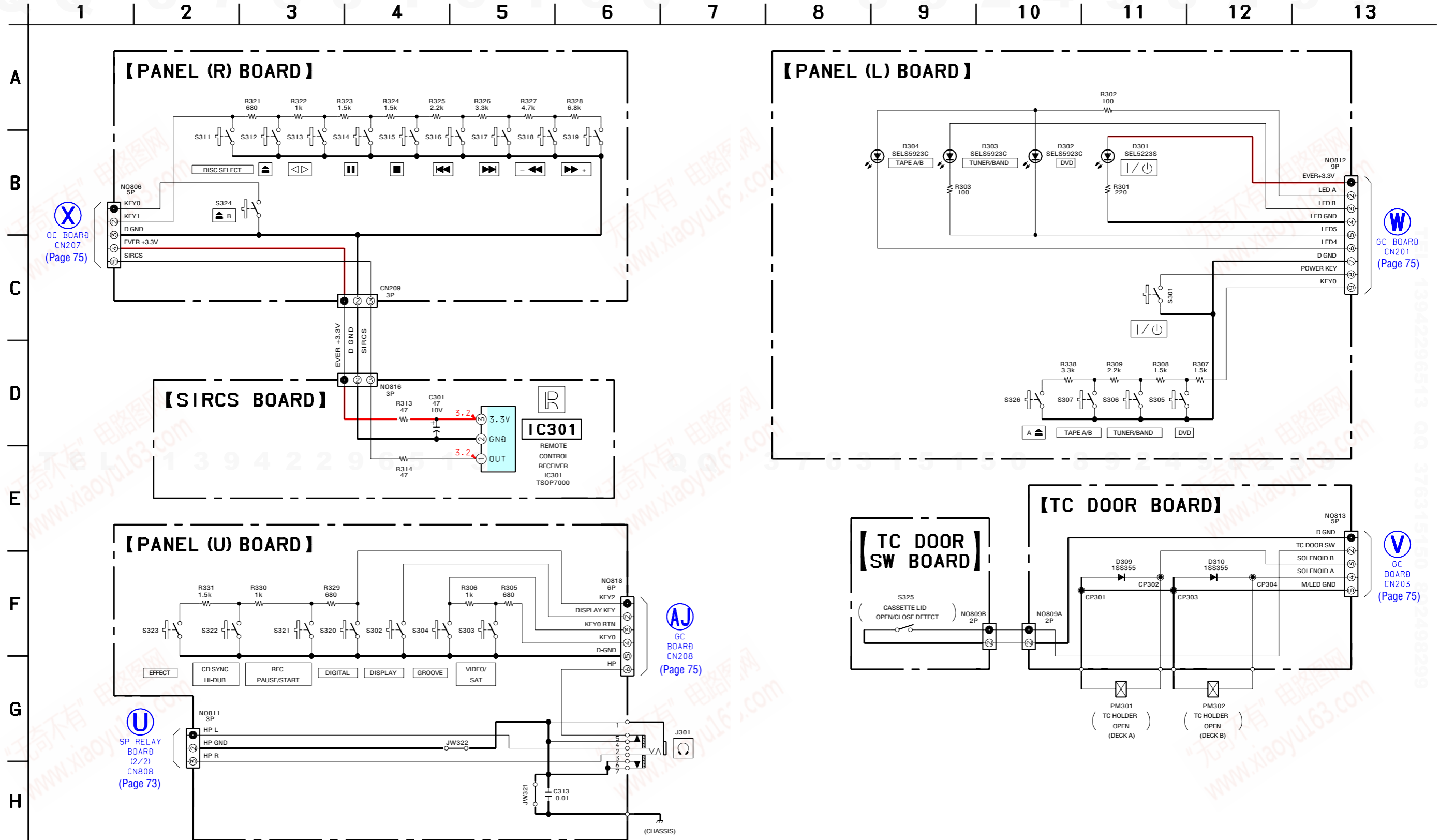
8-44. PRINTED WIRING BOARDS – PANEL Section – • See page 43 for Circuit Boards Location.  :Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D301	A-10
D302	A-9
D303	A-7
D304	A-5
D309	G-8
D310	G-9
IC301	E-2

8-45. SCHEMATIC DIAGRAM - PANEL Section -



X GC BOARD CN207 (Page 75)

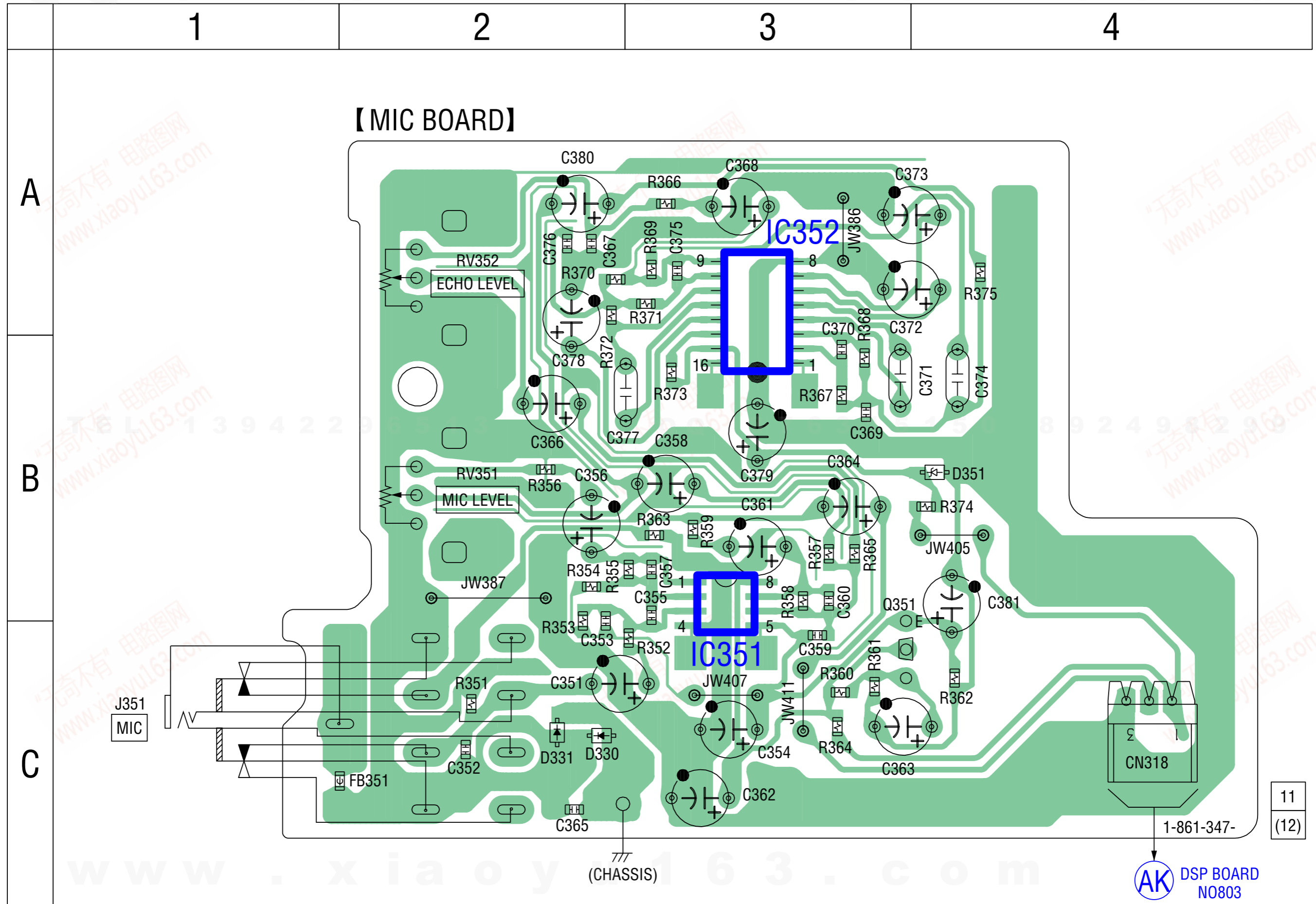
W GC BOARD CN201 (Page 75)

AJ GC BOARD CN208 (Page 75)

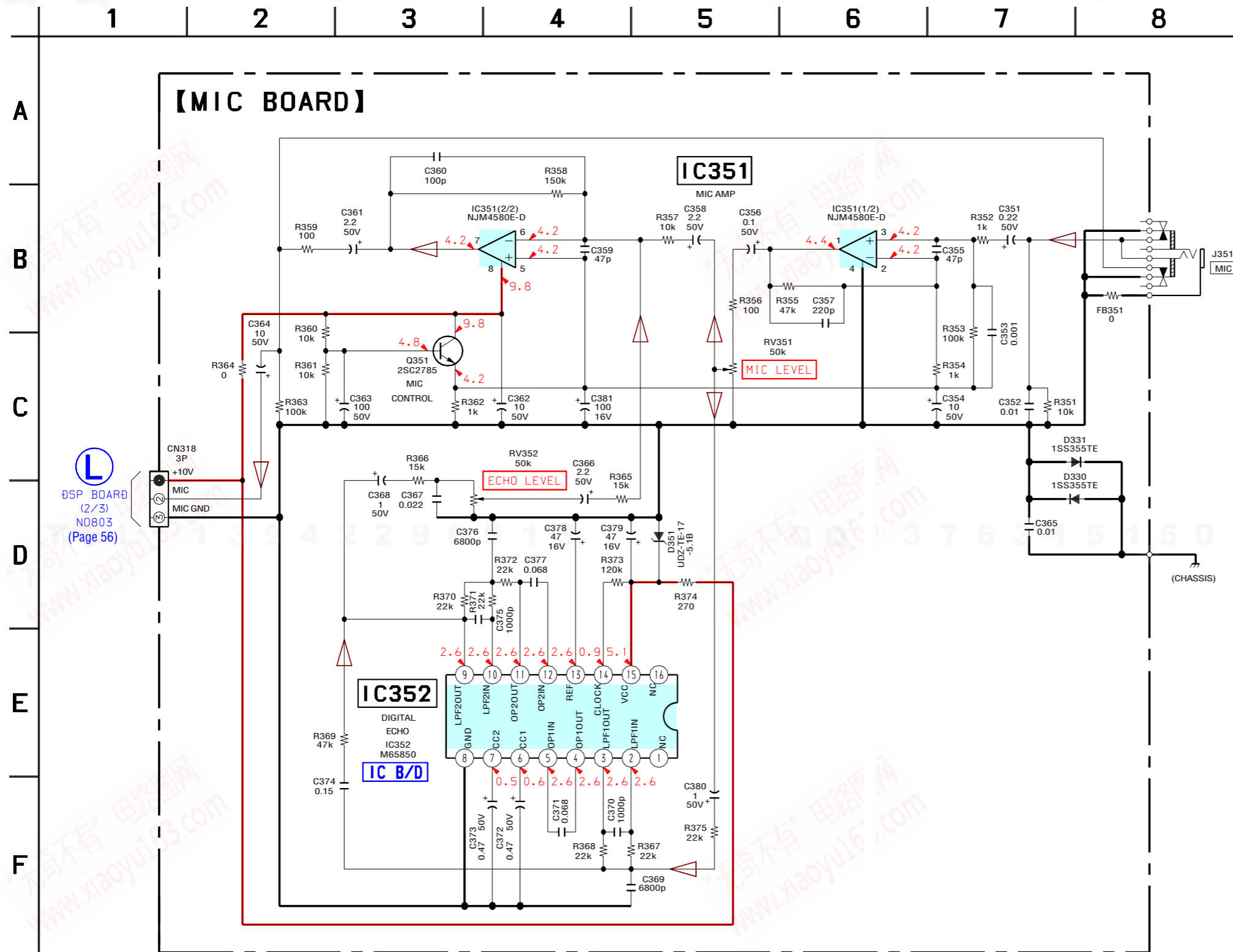
U SP RELAY BOARD (2/2) CN808 (Page 73)

V GC BOARD CN203 (Page 75)

8-46. PRINTED WIRING BOARD – MIC Board – • See page 43 for Circuit Boards Location.  :Uses unleaded solder.



8-47. SCHEMATIC DIAGRAM – MIC Board – See page 92 for IC Block Diagram.

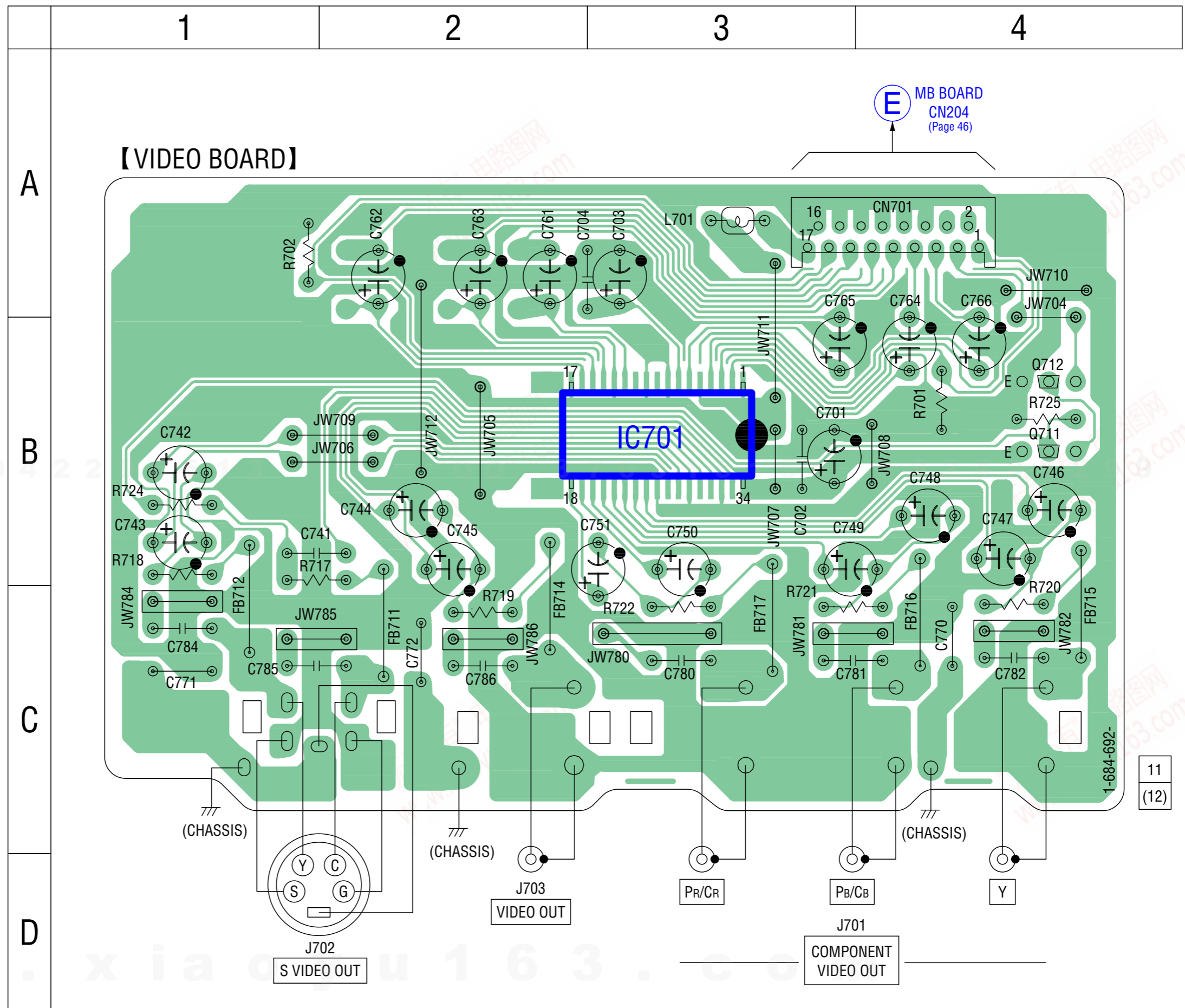


“无奇不有” 电路图网
www.xiaoyu163.com

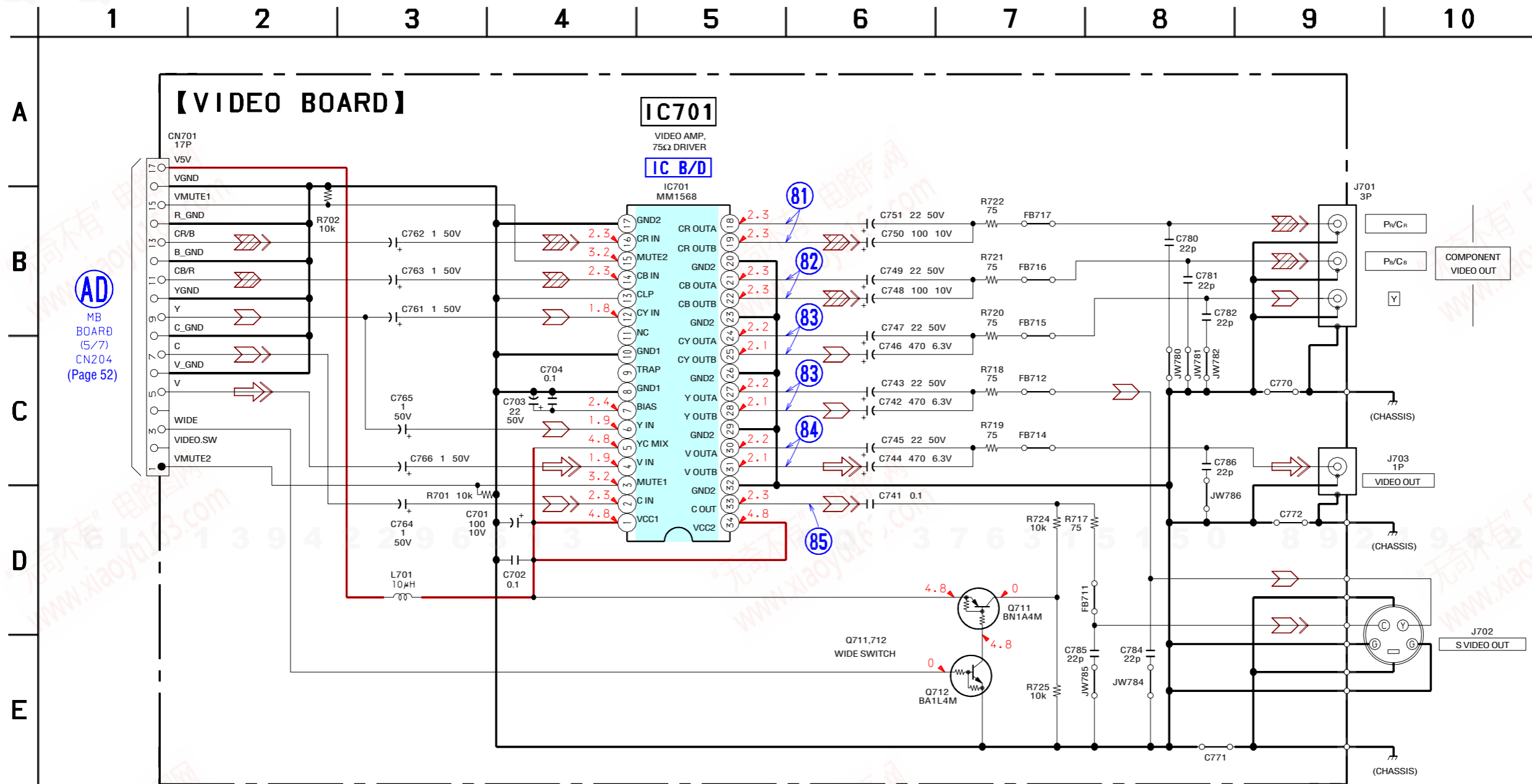
“无奇不有” 电路图网
www.xiaoyu163.com

“无奇不有” 电路图网
www.xiaoyu163.com

8-48. PRINTED WIRING BOARDS – VIDEO Board – • See page 43 for Circuit Boards Location.  :Uses unleaded solder.



8-49. SCHEMATIC DIAGRAM – VIDEO Board – • See page 92 for IC Block Diagram. • See page 90 for Waveforms.

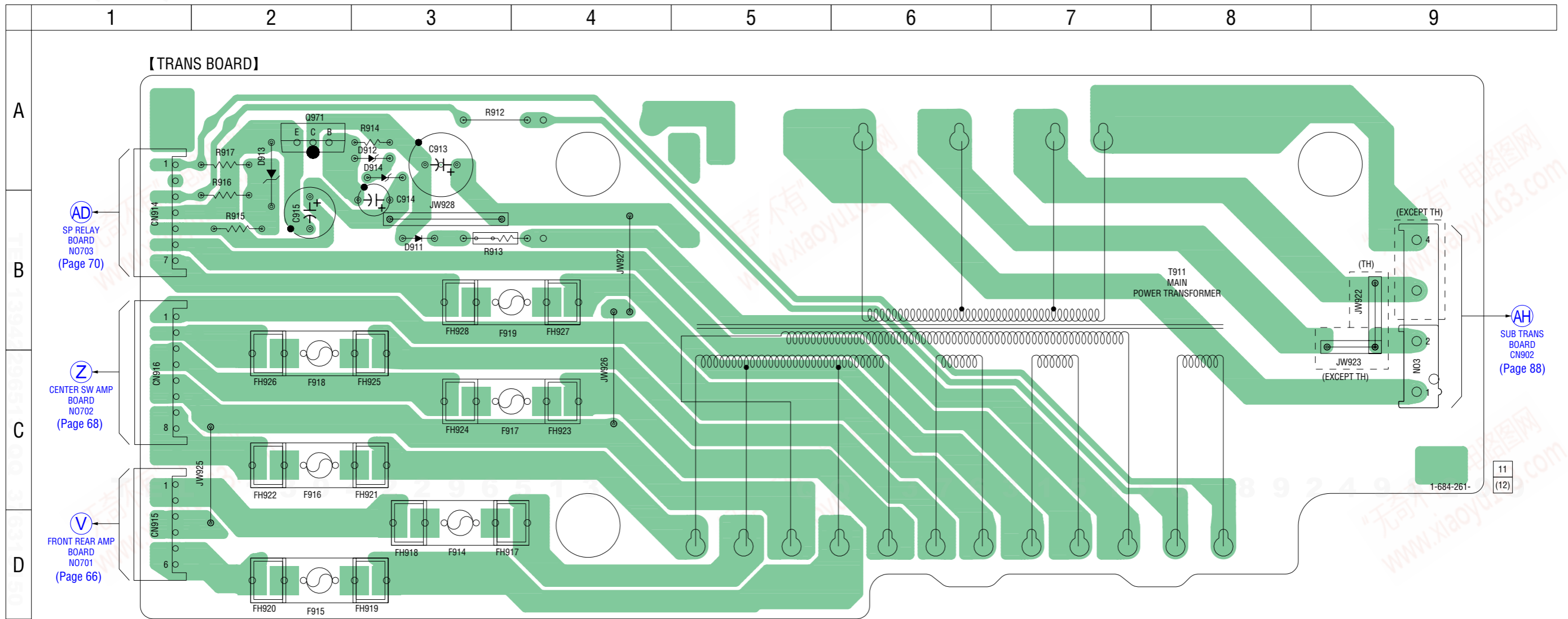


AD
MB BOARD (5/7)
CN204 (Page 52)

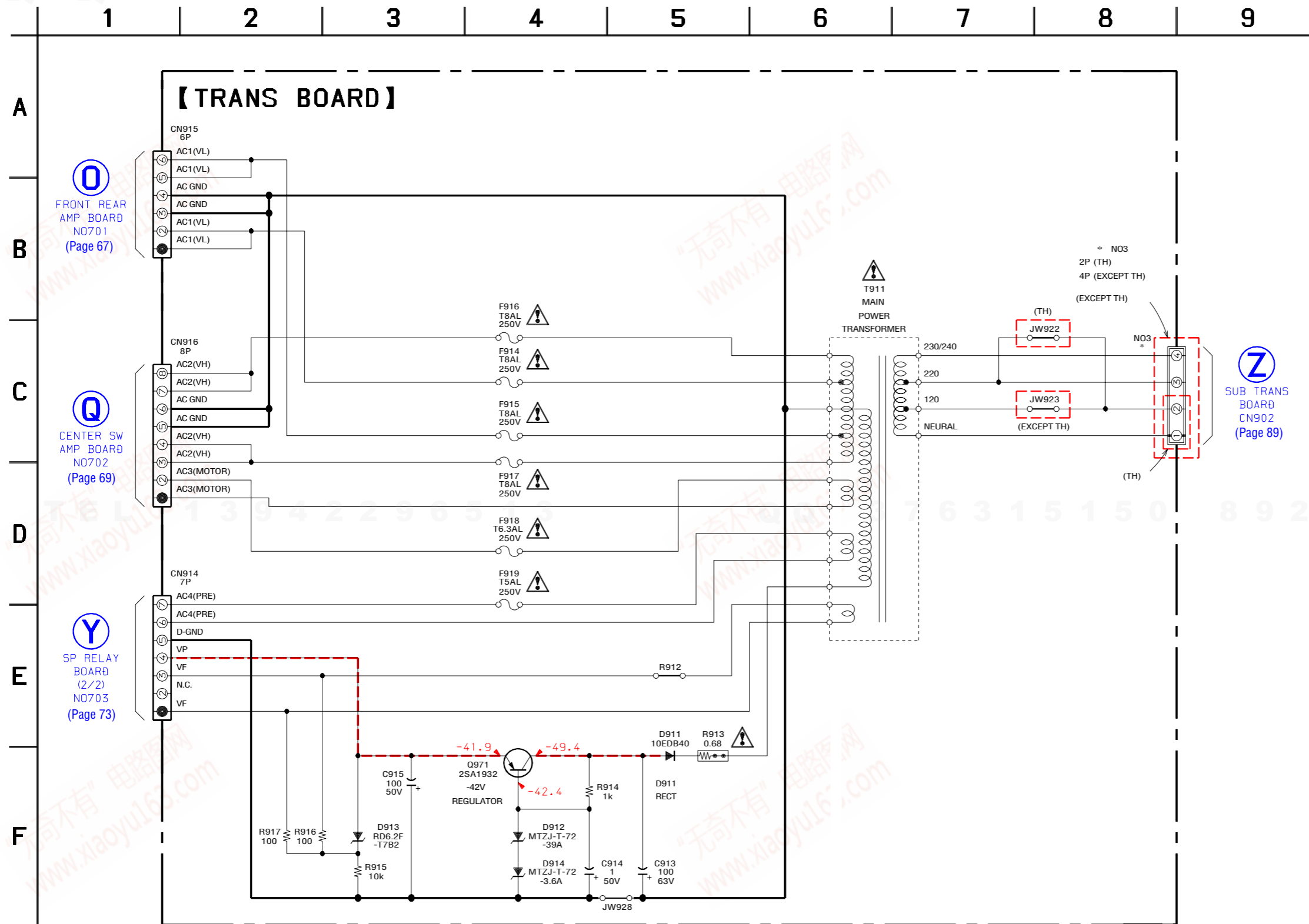
TEL: 13942296513 QQ: 376315150 892498299

www.xiaoyu163.com

8-50. PRINTED WIRING BOARD – TRANS Board – • See page 43 for Circuit Boards Location.  :Uses unleaded solder.



8-51. SCHEMATIC DIAGRAM - TRANS Board -



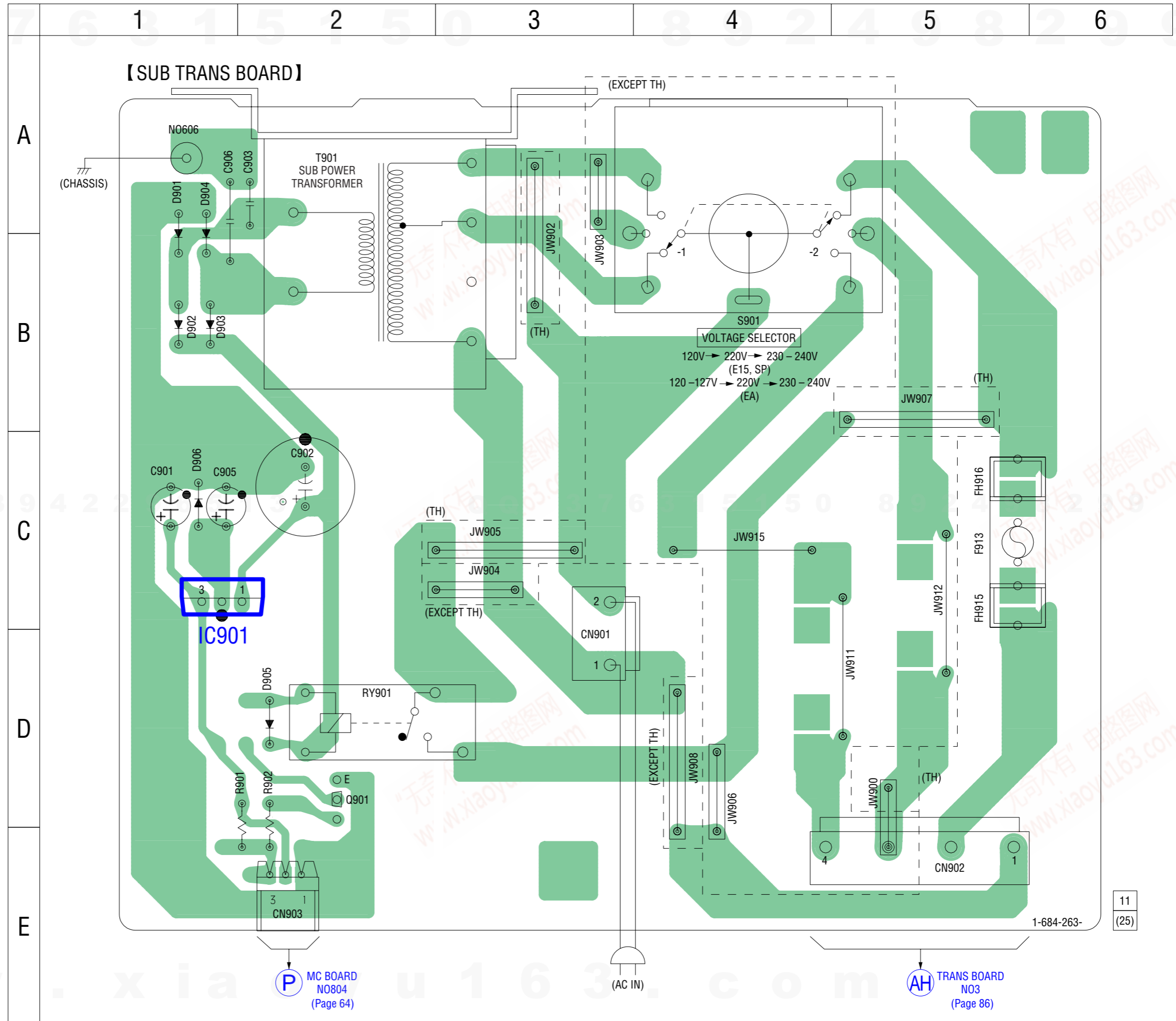
“无奇不有” 电路图网
www.xiaoyu163.com

“无奇不有” 电路图网
www.xiaoyu163.com

“无奇不有” 电路图网
www.xiaoyu163.com

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

8-52. PRINTED WIRING BOARDS – SUB TRANS Board – • See page 43 for Circuit Boards Location.  :Uses unleaded solder.

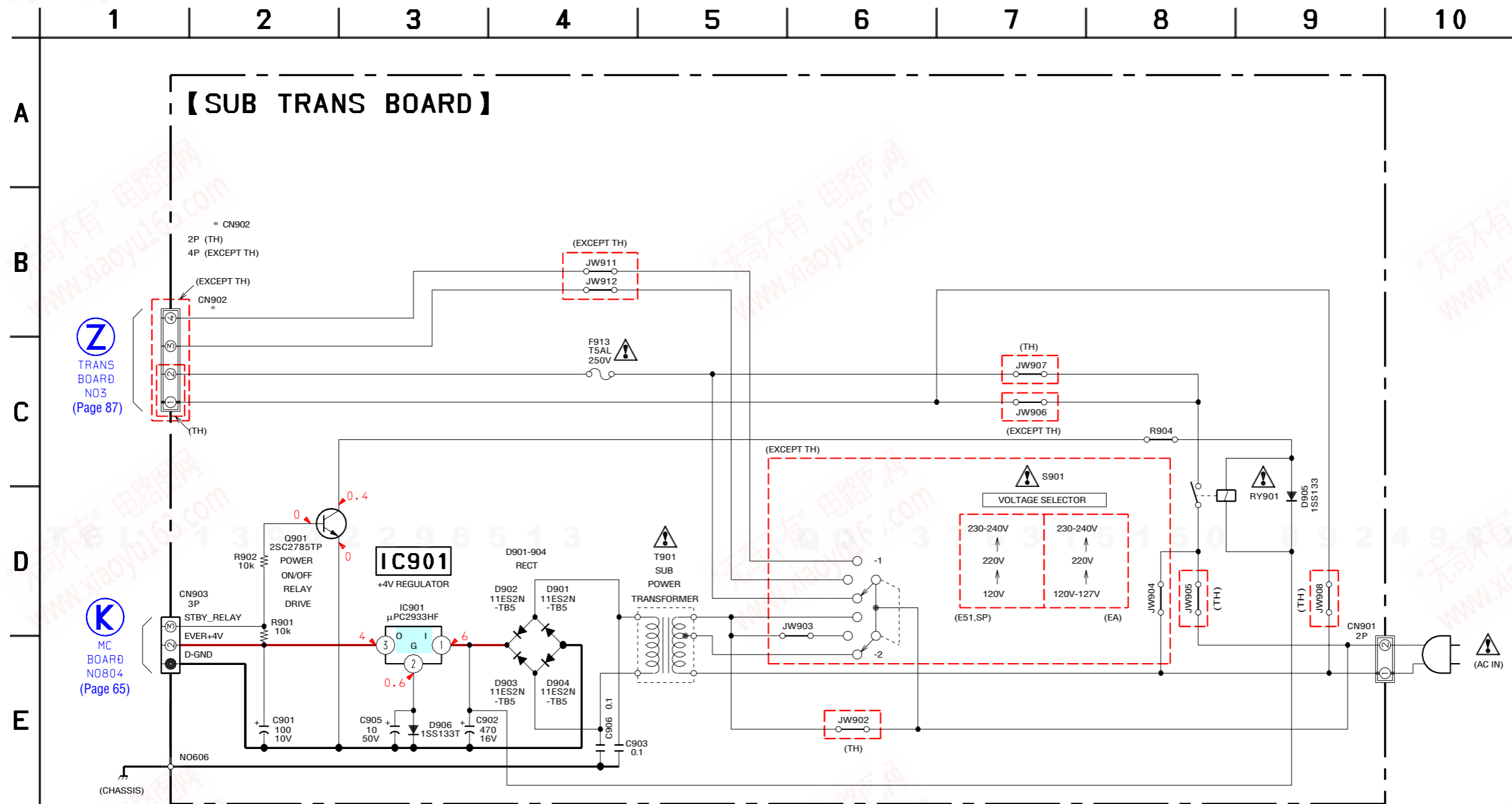


11
(25)

TEL 13942296513 QQ 376315150 892498299

TEL 13942296513 QQ 376315150 892498299

8-53. SCHEMATIC DIAGRAM – SUB TRANS Board –

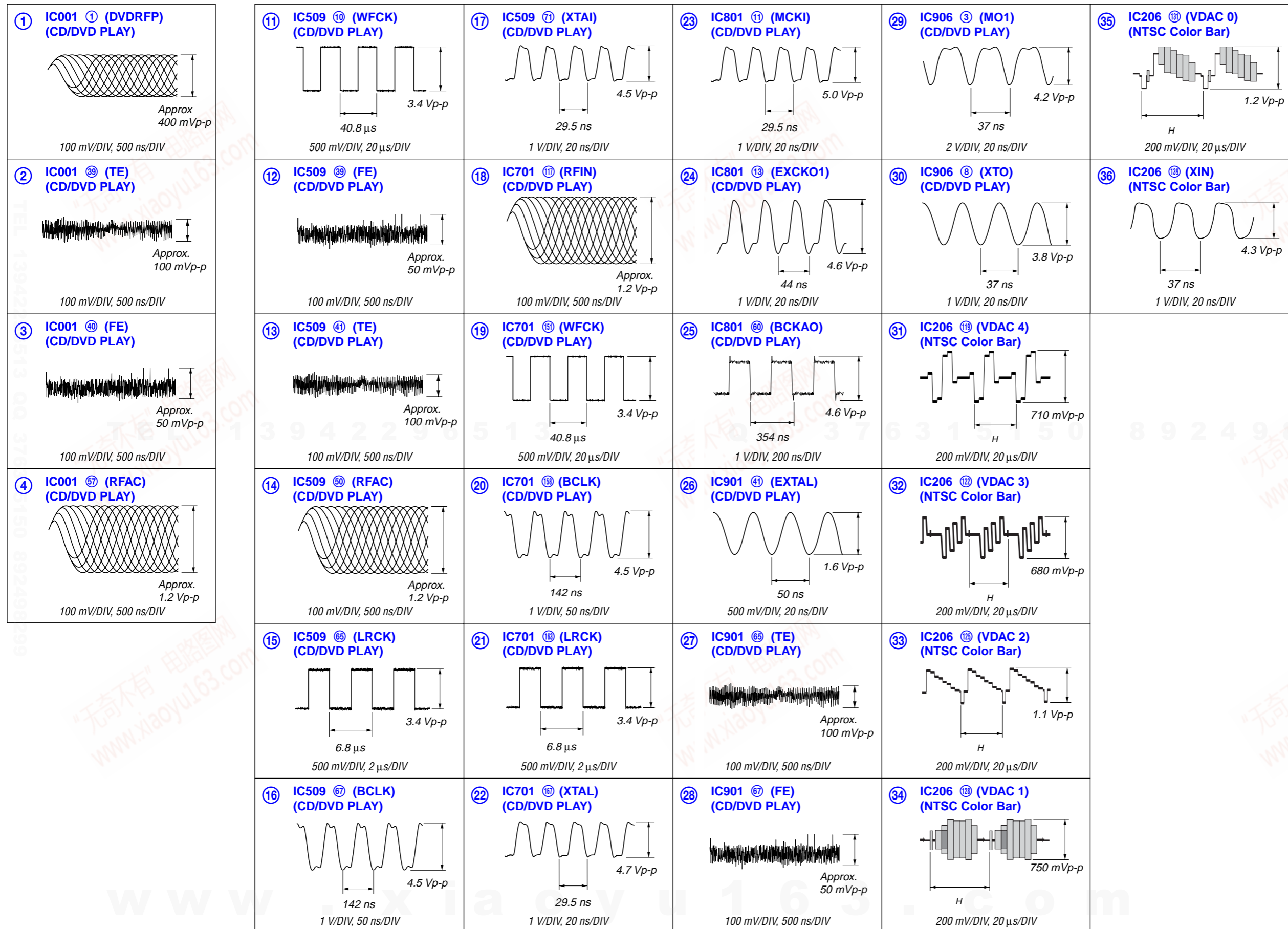


The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

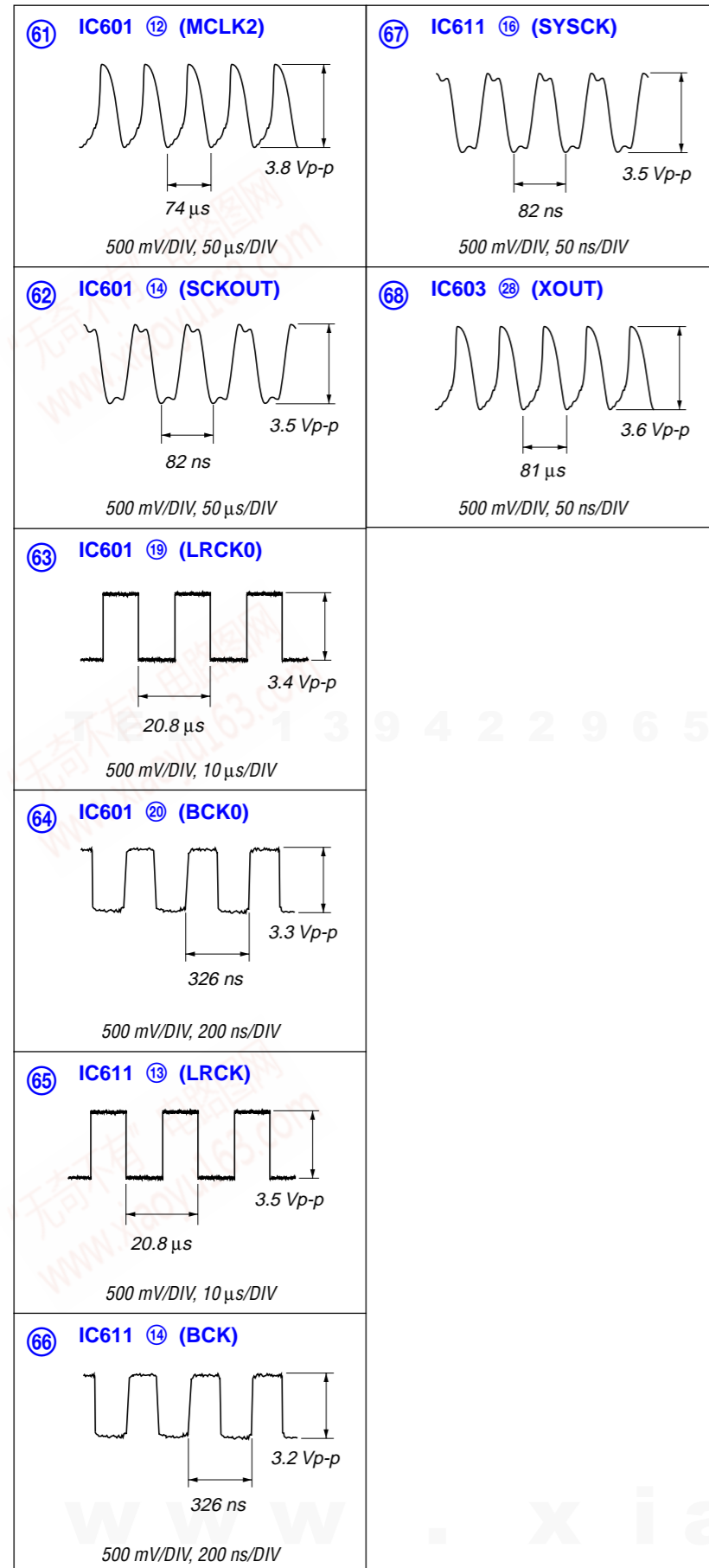
• Waveforms

– RF Board –

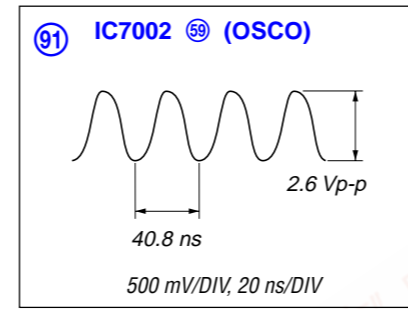
– MB Board –



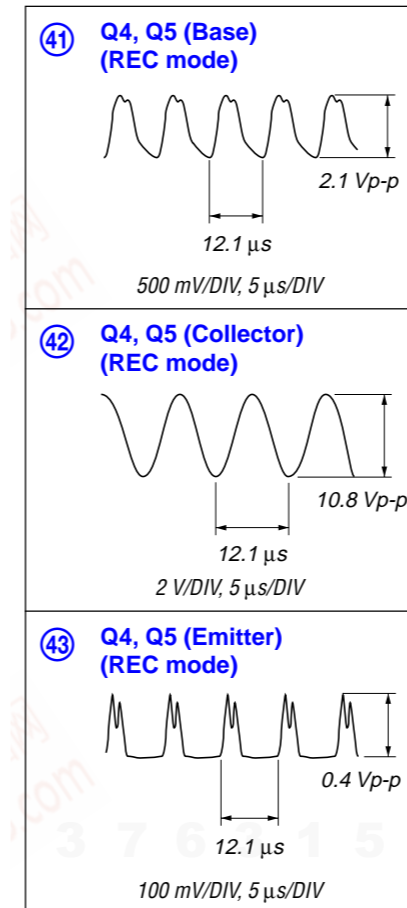
- DSP Board -



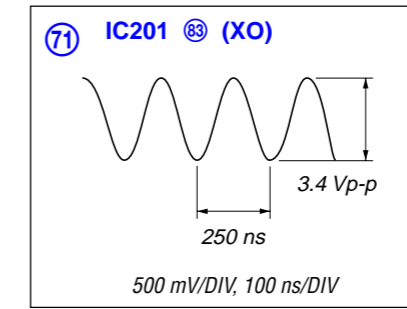
- TX Board -



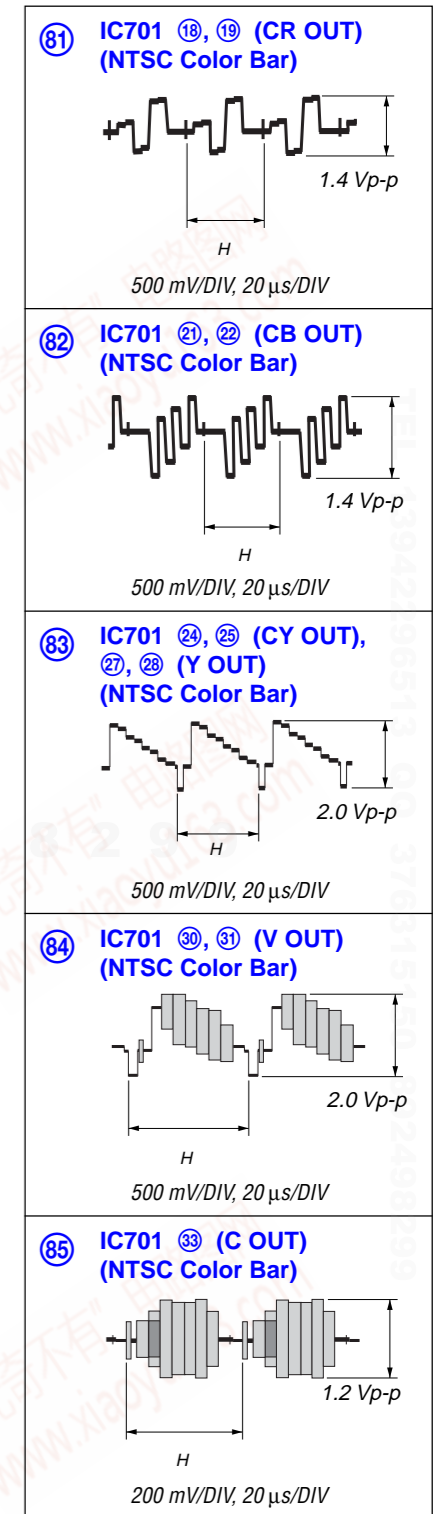
- SP RELAY Board -



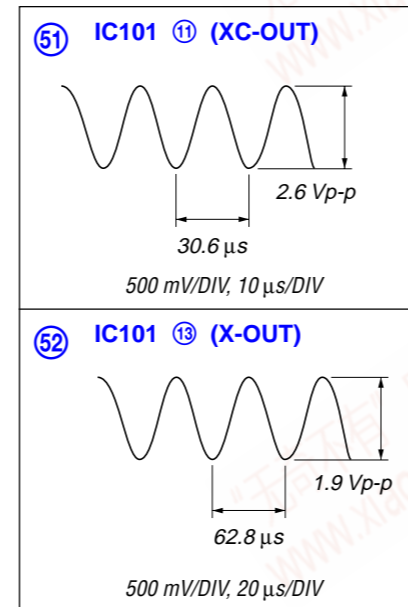
- GC Board -



- VIDEO Board -



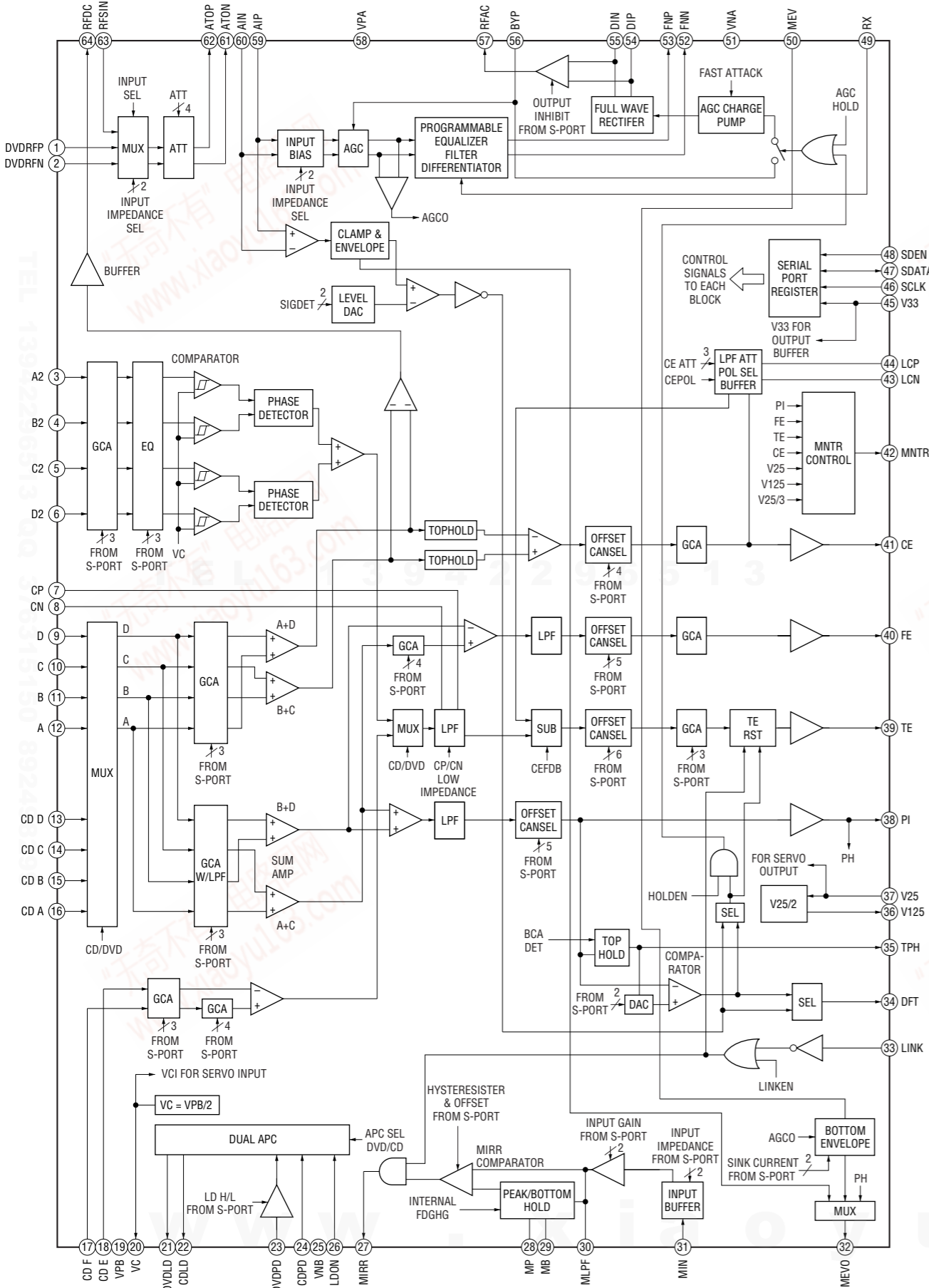
- MC Board -



TEL: 13942296513 QQ: 376315150 892498299

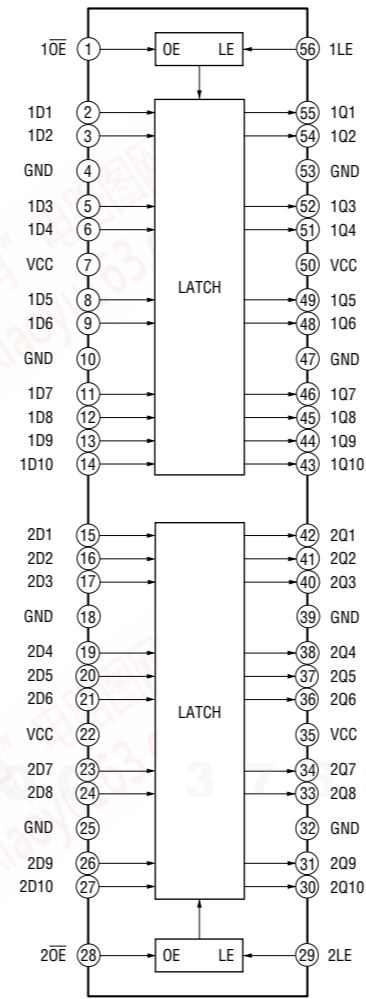
• IC Block Diagrams
- RF Board -

IC001 SP3723CAF0PM

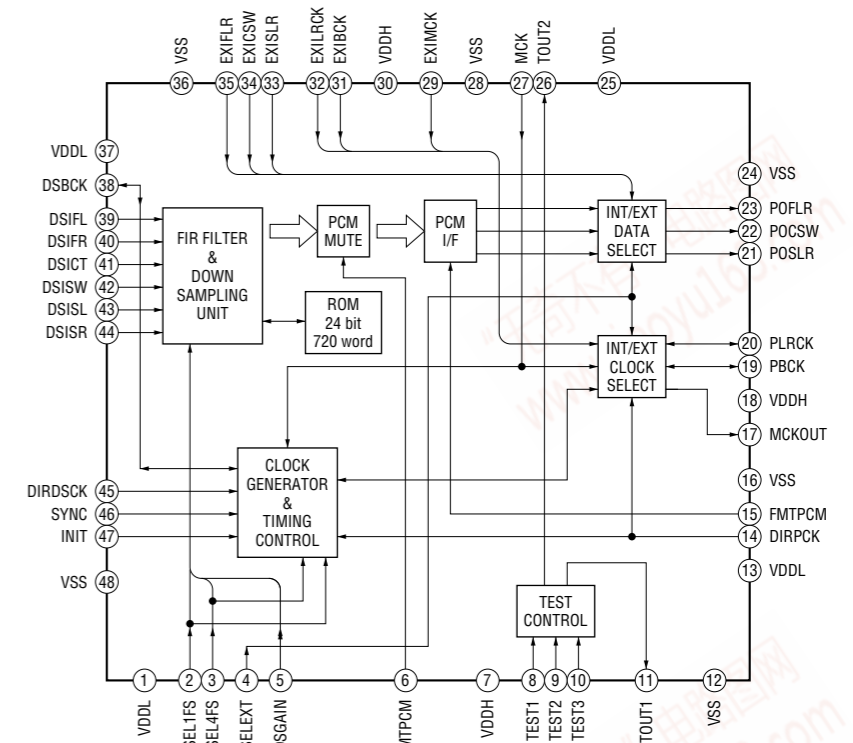


- MB Board -

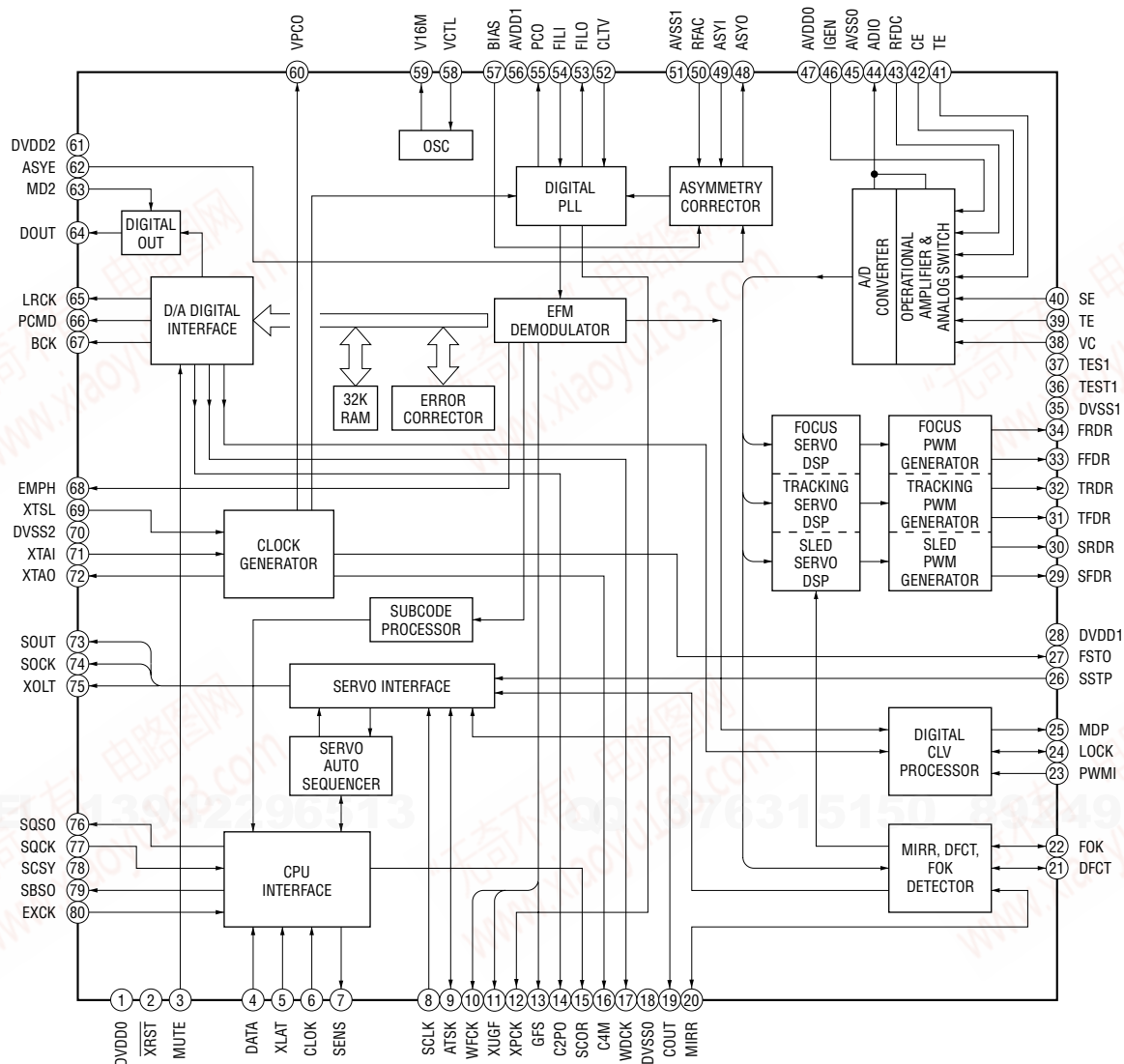
IC215 SN74ALVCH16841DGGR



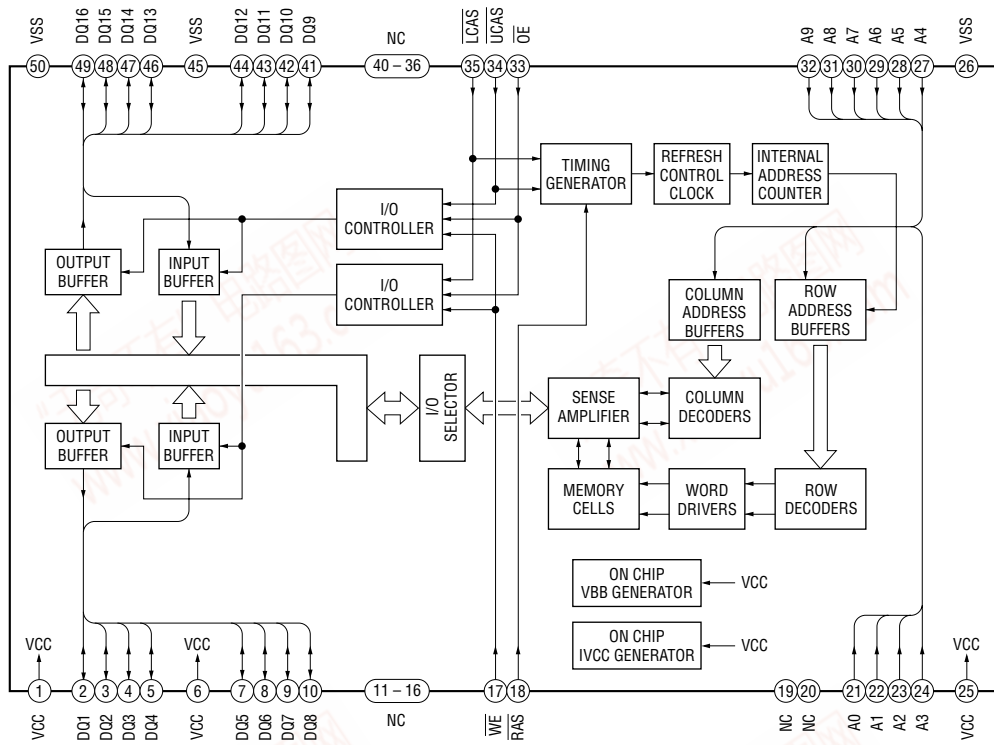
IC401 CXD9850Q



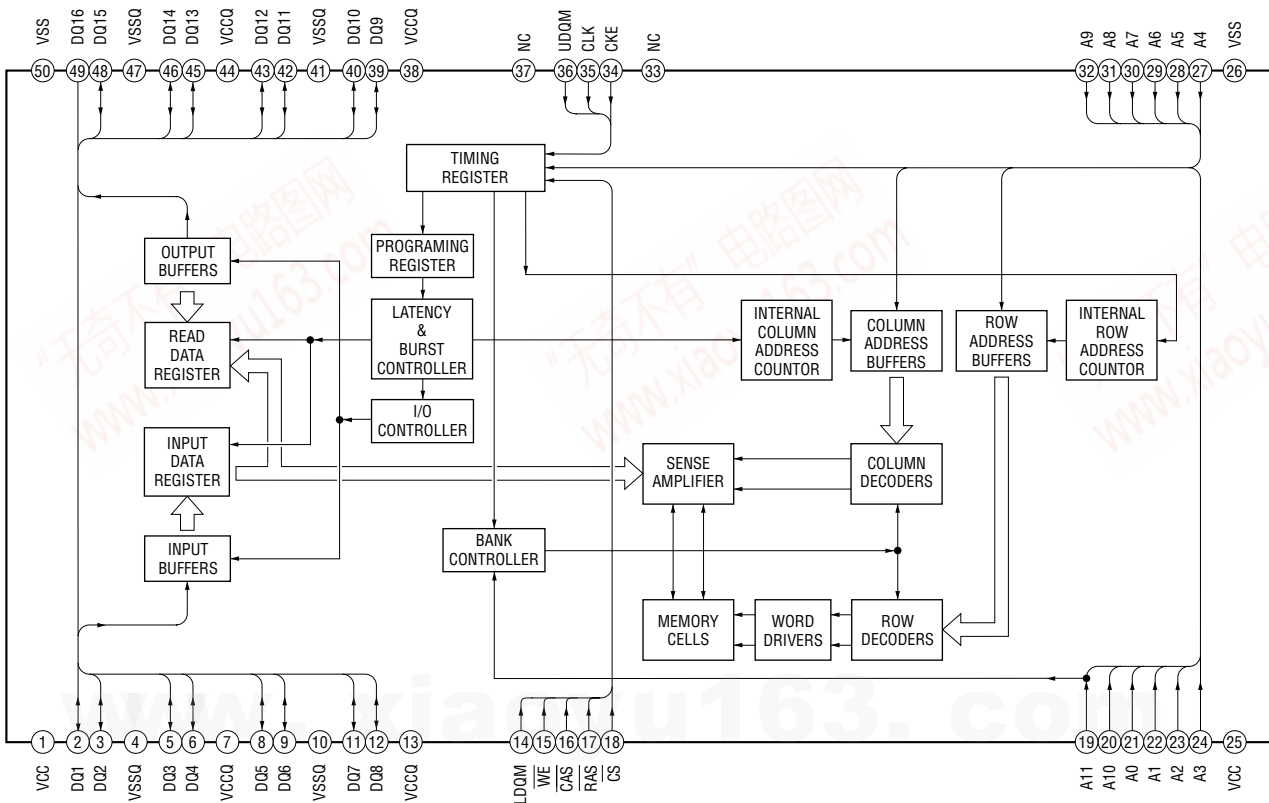
IC509 CXD3068Q



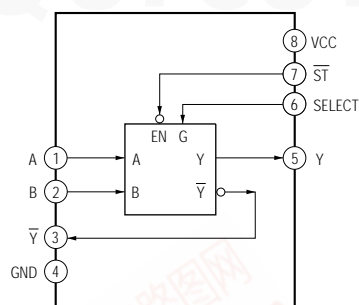
IC706 MSM51V18165F-60TSKR1



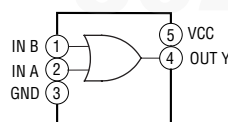
IC808 MSM56V16160F-8TK7R1



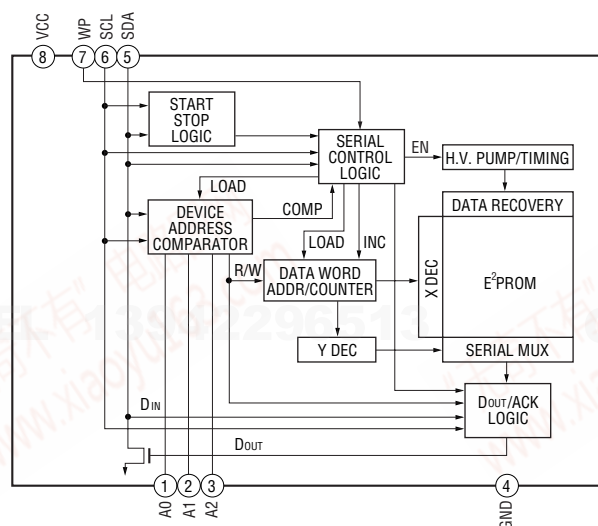
IC814 TC7WH157FK (TE85R)



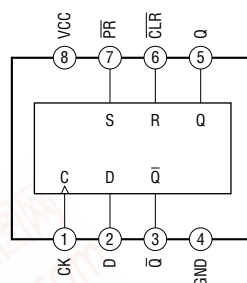
IC902 TC7S32FU (TE85R)



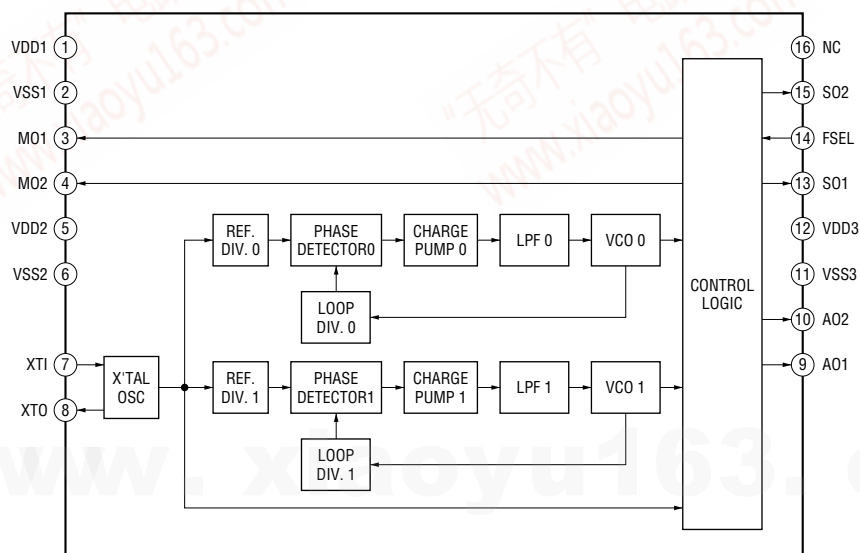
IC903 BR24C08F-E2



IC904 TC7W74FU



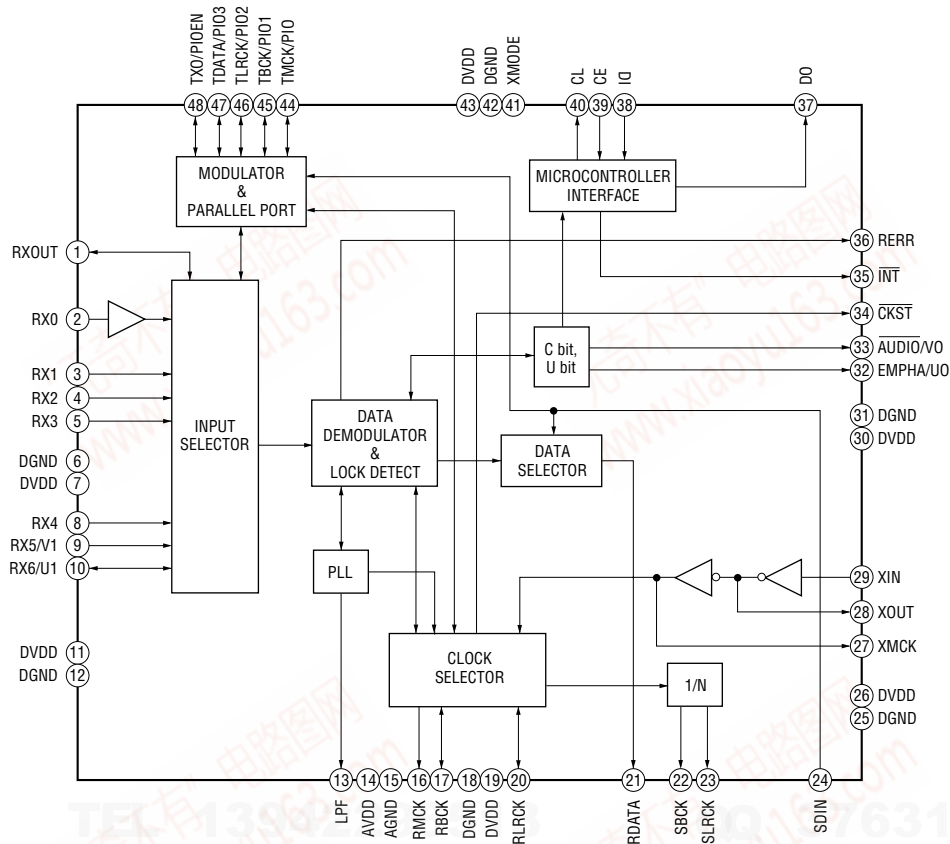
IC906 SM8707GV-G-E2



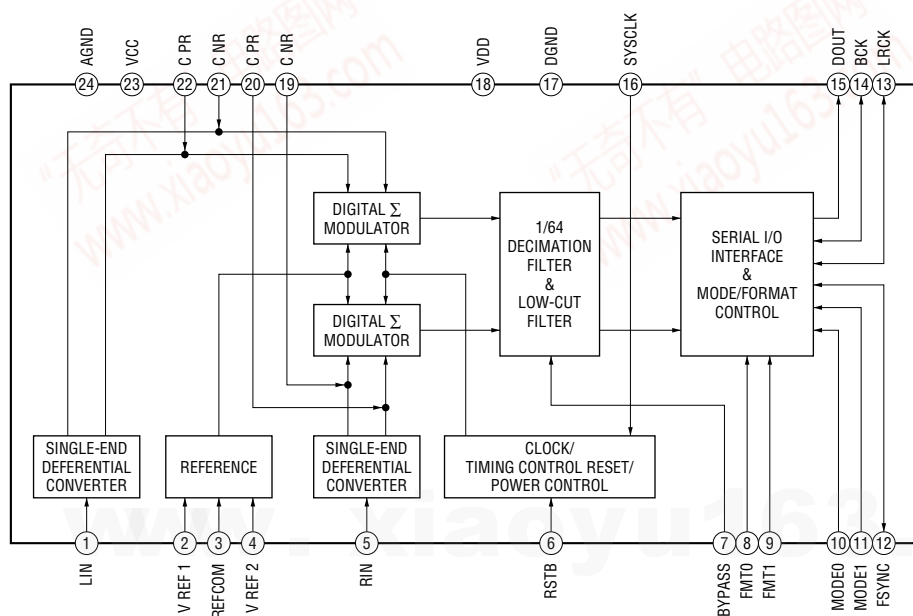
HCD-FLX9W

- DSP Board -

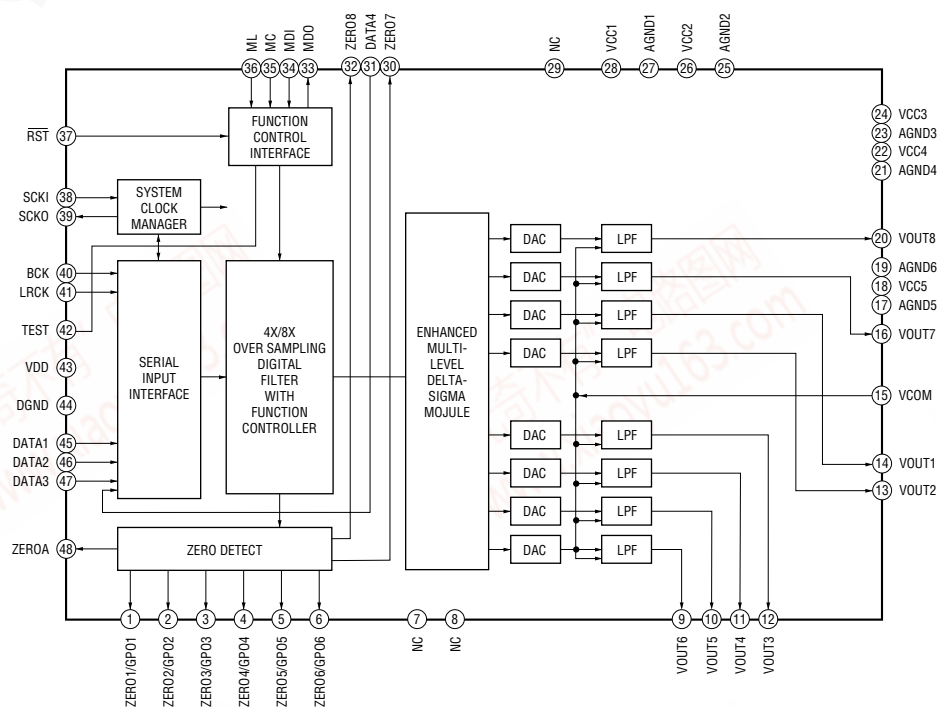
IC603 LC89057W-VF4-E



IC611 PCM1800E/2K

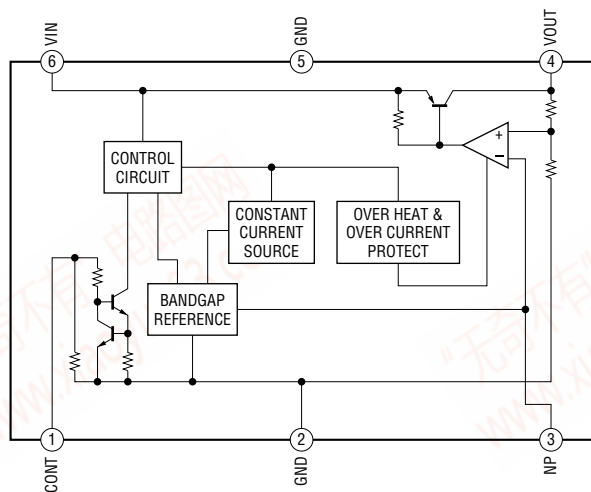


IC612 PCM1609KPTR

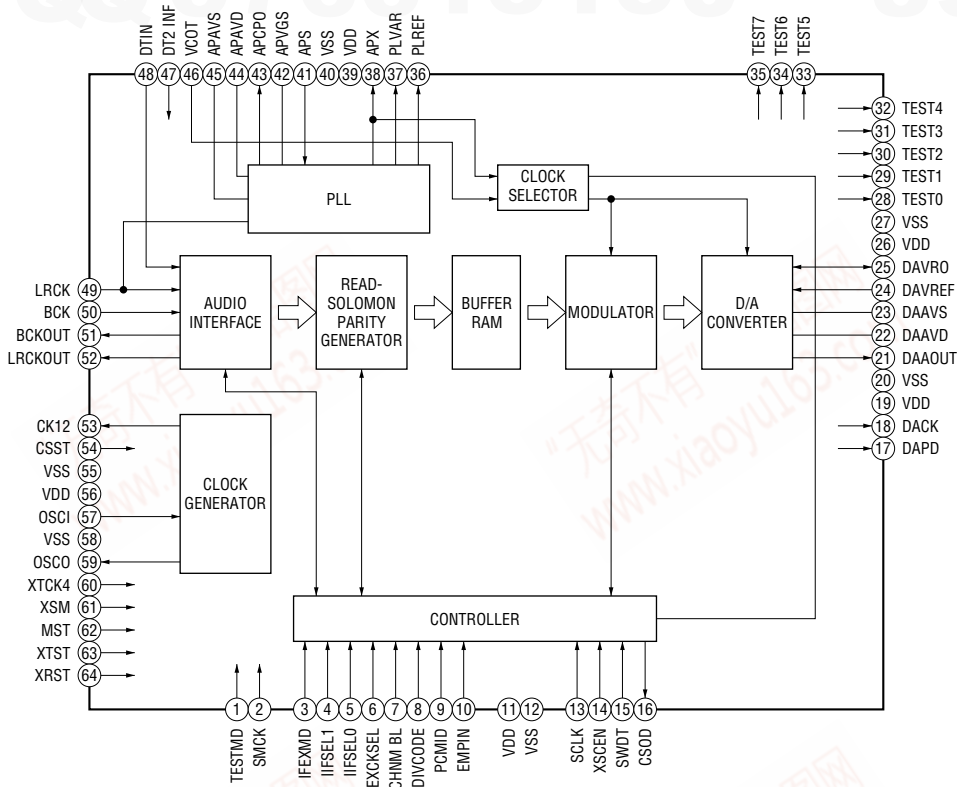


- TX Board -

IC7001 TK11225CMCL-G

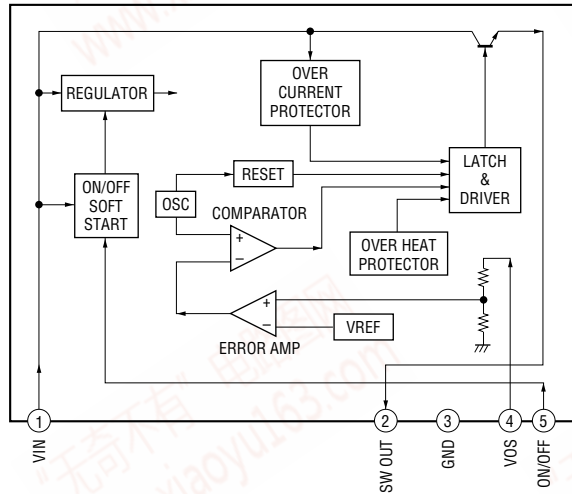


IC7002 CXD4016R



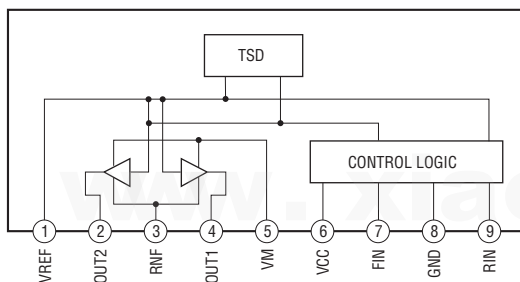
- SP RELAY Board -

IC840 SI-8033JF



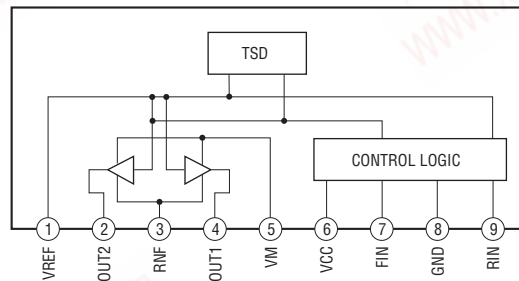
- CLAMP MOTOR Board -

IC701 BA6956AN



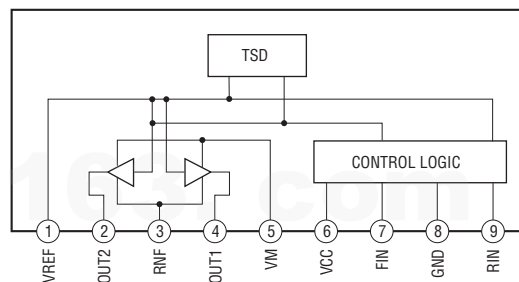
- LOADING MOTOR Board -

IC702 BA6956AN



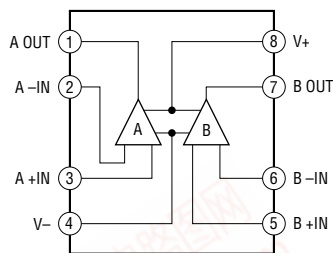
- CD MOTOR Board -

IC302 BA6956AN

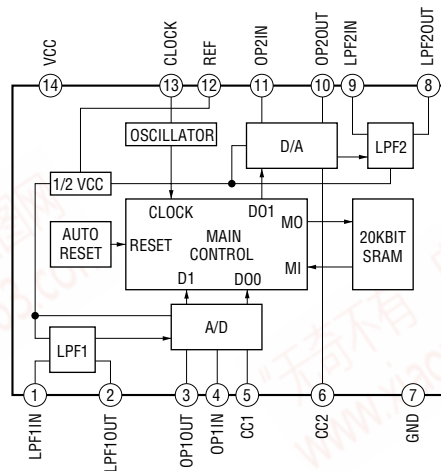


- MIC Board -

IC351 NJM4580E-D

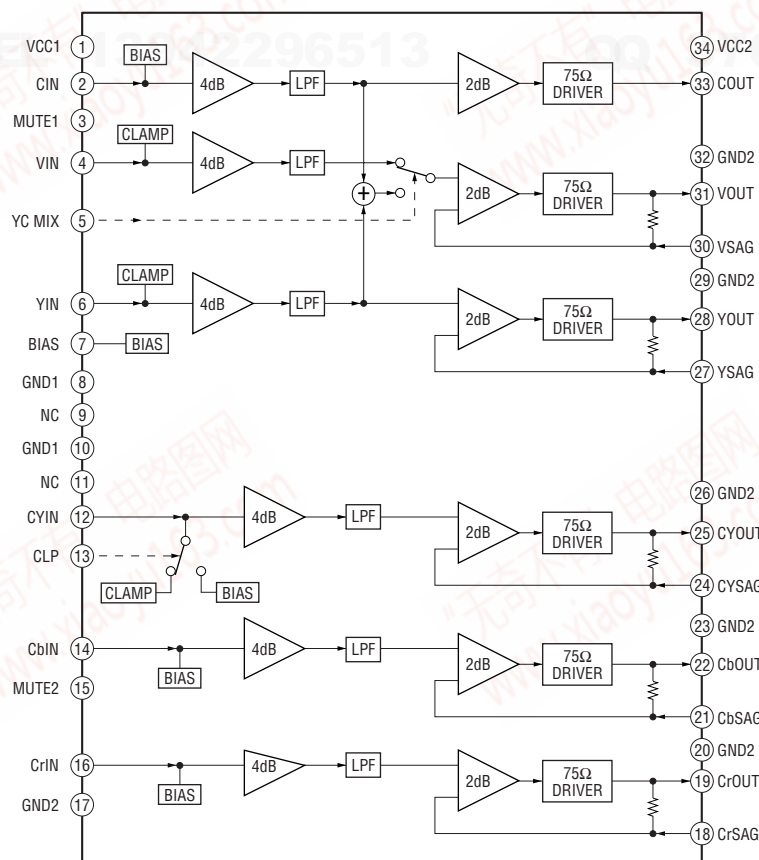


IC352 M65850FP-E1



- VIDEO Board -

IC701 MM1568



HCD-FLX9W

• IC Pin Function Description

MB BOARD IC206 ZIVA5X-C1F (DVD SYSTEM PROCESSOR)

Pin No.	Pin Name	I/O	Description
1	VDDP	—	Power supply terminal (+3.3V)
2	HA1	O	Address signal output to the program ROM and bus interface
3 to 11	HAD15 to HAD7	I/O	Two-way data bus with the program ROM and bus interface
12	VDDP	—	Power supply terminal (+3.3V)
13	GNDP	—	Ground terminal
14 to 19	HAD6 to HAD1	I/O	Two-way data bus with the program ROM and bus interface
20	VDDP	—	Power supply terminal (+3.3V)
21	GNDP	—	Ground terminal
22	HAD0	I/O	Two-way data bus with the program ROM and bus interface
23	HDTACK	I	Acknowledge signal input terminal for host data transfer Not used
24	HIRQ0	I	Interrupt signal input terminal Not used
25	WEH.UDS	O	Write enable host upper data strobe signal output to the program ROM
26	WEL.LDS	O	Write enable host lower data strobe signal output terminal Not used
27	HREAD	O	Output enable signal output to the program ROM
28	GPIO0 (1)	I	Check jig detection signal input terminal
29	GND	—	Ground terminal
30	VDD	—	Power supply terminal (+1.8V)
31	GND25	—	Ground terminal
32	VDD25	—	Power supply terminal (+3.3V)
33 to 42	MA9 to MA0	O	Address signal output to the SD-RAM
43	GND25	—	Ground terminal
44	VDD25	—	Power supply terminal (+3.3V)
45, 46	MA10, MA11	O	Address signal output to the SD-RAM
47, 48	BA1, BA0	O	Bank select signal output to the SD-RAM
49	MCS0	O	Chip select signal output to the SD-RAM
50	MCS1	O	Chip select signal output terminal Not used
51	MRAS	O	Row address strobe signal output to the SD-RAM
52	MCAS	O	Column address strobe signal output to the SD-RAM
53	MWE	O	Write enable signal output to the SD-RAM
54	GND25	—	Ground terminal
55	VDD25	—	Power supply terminal (+3.3V)
56	MCLK	O	Clock signal output to the SD-RAM
57 to 60	MD0 to MD3	I/O	Two-way data bus with the SD-RAM
61	GND25	—	Ground terminal
62	MDQM0	O	Write mask signal output to the SD-RAM
63	VDD25	—	Power supply terminal (+3.3V)
64 to 71	MD4 to MD11	I/O	Two-way data bus with the SD-RAM
72	GND25	—	Ground terminal
73	MDQM1	O	Write mask signal output to the SD-RAM
74	VDD25	—	Power supply terminal (+3.3V)
75 to 78	MD12 to MD15	I/O	Two-way data bus with the SD-RAM
79	GND	—	Ground terminal
80	VDD	—	Power supply terminal (+1.8V)
81 to 84	MD16 to MD19	I/O	Two-way data bus with the SD-RAM
85	GND25	—	Ground terminal

QQ 376315150 892498299

Pin No.	Pin Name	I/O	Description
86	MDQM2	O	Write mask signal output to the SD-RAM
87	VDD25	—	Power supply terminal (+3.3V)
88 to 95	MD20 to MD27	I/O	Two-way data bus with the SD-RAM
96	GND25	—	Ground terminal
97	MDQM3	O	Write mask signal output to the SD-RAM
98	VDD25	—	Power supply terminal (+3.3V)
99 to 102	MD28 to MD31	I/O	Two-way data bus with the SD-RAM
103	GND25	—	Ground terminal
104	VDD25	—	Power supply terminal (+3.3V)
105	VCLK	O	Not used
106	I2C_CTRL	O	Not used
107	VS	O	Wide control signal output terminal
108	I/P SW	O	Interlace/progressive selection signal output terminal Not used
109	GPIO1 (5)	O	Not used
110	GPIO1 (4)	O	Not used
111	VDDP	—	Power supply terminal (+3.3V)
112	GNDP	—	Ground terminal
113	GPIO1 (3)	O	Not used
114	GPIO1 (2)	O	Not used
115	GPIO1 (1)	O	Not used
116	HIRQ2	I	Busy signal input from the EEPROM
117	VDAC_4B	—	Ground terminal
118	VDAC_VDD4	—	Power supply terminal (+3.3V)
119	VDAC_4	O	Component video signal output to the video amplifier
120	VDAC_3B	—	Ground terminal
121	VDAC_VDD3	—	Power supply terminal (+3.3V)
122	VDAC_3	O	Component video signal output to the video amplifier
123	VDAC_2B	—	Ground terminal
124	VDAC_VDD2	—	Power supply terminal (+3.3V)
125	VDAC_2	O	Y (luminance) video signal output to the video amplifier
126	VDAC_1B	—	Ground terminal
127	VDAC_VDD1	—	Power supply terminal (+3.3V)
128	VDAC_1	O	C (chroma) video signal output to the video amplifier
129	VDAC_0B	—	Ground terminal
130	VDAC_VDD0	—	Power supply terminal (+3.3V)
131	VDAC_0	O	Video signal output to the video amplifier
132	VDAC_DVSS	—	Ground terminal
133	VDAC_DVDD	—	Power supply terminal (+3.3V)
134	VDAC_REFVDD	—	Power supply terminal
135	VDAC_REF	I	Power supply terminal (+3.3V)
136	VDAC_REFVSS	—	Ground terminal
137	XVSS	—	Ground terminal
138	XOUT	O	Clock signal output terminal Not used
139	XIN	I	System clock signal (33.8688 MHz) input from the clock generator
140	XVDD	—	Power supply terminal
141	AVSS2	—	Ground terminal

HCD-FLX9W

Pin No.	Pin Name	I/O	Description
142	AVDD2	—	Power supply terminal (+3.3V)
143	AVDD1	—	Power supply terminal (+3.3V)
144	AVSS1	—	Ground terminal
145	VDD	—	Power supply terminal (+1.8V)
146	GND	—	Ground terminal
147	XCK	O	Audio system clock output terminal Not used
148	LRCK	O	L/R sampling clock signal (44.1 kHz) output terminal Not used
149	BCK	O	Bit clock signal (2.8224 MHz) I output terminal Not used
150	GPIO4 (1)	O	Not used
151	GPIO4 (2)	O	Not used
152	VDDP	—	Power supply terminal (+3.3V)
153	GNDP	—	Ground terminal
154	GPIO4 (3)	O	Not used
155	GPIO4 (4)	O	Not used
156	IEC958	O	SPDIF signal output terminal
157	CS_EEPROM	O	Chip select signal output to the EEPROM
158	WC_EEPROM	O	Write control signal output to the EEPROM
159	CS_SPC	O	Not used
160	I2C_CL	I/O	Two-way I2C clock bus with the mechanism controller and system controller
161	I2C_DA	I/O	Two-way I2C data bus with the mechanism controller and system controller
162	RTSI	I	Not used
163	RXD1	I	Serial data input terminal Not used
164	TXD1	O	Serial data output terminal Not used
165	CTSI	I	Not used
166	GNDP	—	Ground terminal
167	VDDP	—	Power supply terminal (+3.3V)
168 to 171	SDDATA7 to SDDATA4	I	Stream data signal input from the DVD decoder
172	GND	—	Ground terminal
173	VDD	—	Power supply terminal (+1.8V)
174 to 177	SDDATA3 to SDDATA0	I	Stream data signal input from the DVD decoder
178	SDREQ	O	Serial data request signal output to the DVD decoder
179	SDEN	I	Serial data enable signal input from the DVD decoder
180	GNDP	—	Ground terminal
181	VDDP	—	Power supply terminal (+3.3V)
182	SDERROR	I	Serial data error signal input from the DVD decoder
183	SDCLK	I	Serial data clock signal input from the DVD decoder
184	HIRQ1	I	Interrupt request signal input from the mechanism controller
185	DRVCLK	I	Serial data transfer clock signal input from the mechanism controller
186	DRVTX	I	Serial data input from the EEPROM and mechanism controller
187	DRVRX	O	Serial data output to the EEPROM and mechanism controller
188	DRVRDY	I	Ready signal input from the mechanism controller
189	VNW	—	Power supply terminal (+5V)
190	ALE	O	Latch enable signal output to the bus interface
191	RST_SPC	O	Reset signal output to the mechanism controller

QQ 376315150

892498299

Pin No.	Pin Name	I/O	Description
192 to 194	HCS3 to HCS1	O	Chip select signal output terminal Not used
195	HCS0	O	Chip select signal output to the program ROM
196	VDDP	—	Power supply terminal (+3.3V)
197	TRST	O	Reset signal output to the DSD decoder
198	TDO	O	Data output to the DSD decoder
199	TDI	I	Data input terminal Not used
200	TMS	O	Mode selection signal output to the DSD decoder
201	TCK	O	Clock signal output to the DSD decoder
202	RESET	I	Reset signal input from the system controller "L": reset
203	BUS CLK	O	Not used
204	GND	—	Ground terminal
205	VDD	—	Power supply terminal (+1.8V)
206, 207	HA3, HA2	O	Address signal output to the program ROM and bus interface
208	GNDP	—	Ground terminal

TEL: 13942296513 QQ: 376315150 892498299

TEL: 13942296513 QQ: 376315150 892498299

"无奇不有" 电路图网
www.xiaoyu163.com

TEL: 13942296513 QQ: 376315150 892498299

"无奇不有" 电路图网
www.xiaoyu163.com

TEL: 13942296513 QQ: 376315150 892498299

"无奇不有" 电路图网
www.xiaoyu163.com

TEL: 13942296513 QQ: 376315150 892498299

"无奇不有" 电路图网
www.xiaoyu163.com

TEL: 13942296513 QQ: 376315150 892498299

www.xiaoyu163.com

MB BOARD IC509 CXD3068Q (DIGITAL SIGNAL PROCESSOR, DIGITAL SERVO PROCESSOR)

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

QQ 376315150 892498299

Pin No.	Pin Name	I/O	Description
45	AVSS0	—	Ground terminal (analog system)
46	IGEN	I	Stabilized current input for operational amplifiers
47	AVDD0	—	Power supply terminal (+3.3V) (analog system)
48	ASYO	O	EFM full-swing output terminal
49	ASYI	I	Asymmetry comparator voltage input terminal
50	RFAC	I	EFM signal input from the DVD/CD RF amplifier
51	AVSS1	—	Ground terminal (analog system)
52	CLTV	I	Internal VCO control voltage input terminal
53	FILO	O	Filter output for master PLL
54	FILI	I	Filter input for master PLL
55	PCO	O	Charge pump output for master PLL
56	AVDD1	—	Power supply terminal (+3.3V) (analog system)
57	BIAS	I	Asymmetry circuit constant current input terminal
58	VCTL	I	VCO control voltage input terminal for the wideband EFM PLL Not used
59	V16M	O	VCO oscillation output terminal for the wideband EFM PLL Not used
60	VPCO	O	Charge pump output terminal for the wideband EFM PLL Not used
61	DVDD2	—	Power supply terminal (+3.3V) (digital system)
62	ASYE	I	Asymmetry circuit on/off control signal input terminal “L”: off, “H”: on Not used
63	MD2	I	Digital out on/off control signal input from the mechanism controller “L”: digital out off, “H”: digital out on
64	DOUT	O	Digital audio signal output to the digital audio interface receiver
65	LRCK	O	L/R sampling clock signal (44.1 kHz) output to the DVD decoder
66	PCMD	O	Serial data output to the DVD decoder
67	BCLK	O	Bit clock signal (2.8224 MHz) output to the DVD decoder
68	EMPH	O	“L” is output when playback disc is emphasis off “H” is output when playback disc is emphasis on Not used
69	XTSL	I	Input terminal for the system clock frequency setting “L”: 16.9344 MHz, “H”: 33.8688MHz Fixed at “H” in this set
70	DVSS2	—	Ground terminal (digital system)
71	XTAI	I	System clock input terminal (33.8688 MHz)
72	XTAO	O	System clock output terminal (33.8688 MHz) Not used
73	SOUT	O	Serial data output terminal Not used
74	SOCK	O	Serial data reading clock signal output terminal Not used
75	XOLT	O	Serial data latch pulse signal output terminal Not used
76	SQSO	O	Subcode Q data output to the mechanism controller
77	SQCK	I	Subcode Q data reading clock signal input from the mechanism controller
78	SCSY	I	Input terminal for resynchronism of guard subcode sync (S0+S1) Not used
79	SBSO	O	Subcode serial data output to the DVD decoder
80	EXCK	I	Subcode serial data reading clock signal input to the DVD decoder

www.xiaoyu163.com

HCD-FLX9W**MB BOARD IC701 TMC57929PGF-RDP (DVD DECODER)**

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

Pin No.	Pin Name	I/O	Description
53	XSRQ	I	DVD mode: Serial data request signal input from the DVD system processor SACD mode: Serial data request signal input from the DSD decoder
54	HINT	O	Not used
55	XS16	O	Not used
56	HA1	I	Not used
57	XPDI	I/O	Not used
58	VDDS	—	Power supply terminal (+5V) (digital system)
59, 60	HA0, HA2	I	Not used
61	VSS	—	Ground terminal (digital system)
62, 63	HCS0, HCS1	I	Not used
64	VDD	—	Power supply terminal (+3.3V) (digital system)
65	DASP	I/O	Not used
66 to 69	MDB0 to MDB3	I/O	Two-way data bus with the D-RAM
70	VSS	—	Ground terminal (digital system)
71	MDB4	I/O	Two-way data bus with the D-RAM
72	VDD5V	—	Power supply terminal (+5V)
73 to 75	MDB5 to MDB7	I/O	Two-way data bus with the D-RAM
76	XMWR	O	Write enable signal output to the D-RAM
77	VDD	—	Power supply terminal (+3.3V) (digital system)
78	XRAS	O	Row address strobe signal output to the D-RAM
79, 80	MA0, MA1	O	Address signal output to the D-RAM
81	VSS	—	Ground terminal (digital system)
82 to 87	MA2 to MA7	O	Address signal output to the D-RAM
88	VDD	—	Power supply terminal (+3.3V) (digital system)
89	MA8	O	Address signal output to the D-RAM
90	VSS	—	Ground terminal (digital system)
91	MA9	O	Address signal output to the D-RAM
92	MNT1	O	EEPROM ready signal output to the mechanism controller
93	MNT2	O	Operation clock signal output for PSP physical disc mark detection to DSD decoder
94	XMOE	O	Output enable signal output to the D-RAM
95	XCAS	O	Column address strobe signal output to the D-RAM
96, 97	MDB8, MDB9	I/O	Two-way data bus with the D-RAM
98	VSS	—	Ground terminal (digital system)
99	MDBA	I/O	Two-way data bus with the D-RAM
100	VDD	—	Power supply terminal (+3.3V) (digital system)
101, 102	MDBB, MDBC	I/O	Two-way data bus with the D-RAM
103	VDD5V	—	Power supply terminal (+5V)
104 to 106	MDBD to MDBF	I/O	Two-way data bus with the D-RAM
107	GFS	O	Guard frame sync signal output to the mechanism controller
108	VSS	—	Ground terminal (digital system)
109	APEO	O	Absolute phase error signal output
110	VDD	—	Power supply terminal (+3.3V) (digital system)
111	DASYO	O	RF binary signal output
112	GND A5	—	Ground terminal (analog system)
113, 114	ASF1, AFS2	—	Filter connected terminal for selection the constant asymmetry compensation
115	DASYI	I	Analog signal input after integrated from the RF binary signal

HCD-FLX9W

Pin No.	Pin Name	I/O	Description
116	RFDC	I	Input terminal for adjusting DC cut high-pass filter for RF signal Not used
117	RFIN	I	RF signal input from the DVD/CD RF amplifier
118, 119	VCCA5, VCCA4	—	Power supply terminal (+3.3V) (analog system)
120	VCOR1	—	VCO oscillating range setting resistor connected terminal
121	VCOIN	I	VCO input terminal
122, 123	GND4, GND3	—	Ground terminal (analog system)
124	LPF5	O	Signal output from the operation amplifier from PLL loop filter
125	VC1	I	Middle point voltage (+1.65V) input terminal
126, 127	LPF2, LPF1	I	Inverted signal input to the operation amplifier from PLL loop filter
128, 129	VCCA3, VCCA2	—	Power supply terminal (+3.3V) (analog system)
130	PDO	O	Signal output from the charge pump for phase comparator
131	PDHVCC	I	Middle point voltage input terminal for RF PLL
132	FDO	O	Signal output from the charge pump for frequency comparator
133, 134	GND2, GND1	—	Ground terminal (analog system)
135	SPO	O	Spindle motor control signal output
136	VC2	I	Middle point voltage (+1.65V) input terminal
137	MDIN2	I	Spindle motor servo drive signal input
138	MDIN1	I	MDP input terminal
139	VCCA1	—	Power supply terminal (+3.3V) (analog system)
140	CLVS	O	Control signal output for selection the spindle control filter constant at CLVS
141	VSS	—	Ground terminal (digital system)
142	MDSOUT	O	Frequency error output terminal of internal CLV circuit
143	VDD	—	Power supply terminal (+3.3V) (digital system)
144	MDPOUT	O	Phase error output terminal of internal CLV circuit
145	DEFECT	I	Defect signal input terminal Not used
146	GSCOR	I	Guard subcode sync (S0+S1) detection signal input from the digital signal processor
147	EXCK	O	Subcode serial data reading clock signal output to the digital signal processor
148	SBIN	I	Subcode serial data input from the digital signal processor
149	VSS	—	Ground terminal (digital system)
150	SCOR	I	Subcode sync (S0+S1) detection signal input from the digital signal processor
151	WFCK	I	Write frame clock signal input from the digital signal processor
152	VDD5V	—	Power supply terminal (+5V)
153	XRCI	I	RAM overflow signal input terminal Not used
154	VDDS	—	Power supply terminal (+5V) (digital system)
155	C2PO	I	C2 pointer signal input from the digital signal processor
156	VDD	—	Power supply terminal (+3.3V) (digital system)
157	DBCK	O	Bit clock signal (2.8224 MHz) output terminal Not used
158	BCLK	I	Bit clock signal (2.8224 MHz) input from the digital signal processor
159	DDAT	O	PCM data output terminal Not used
160	MDAT	I	Serial data input from the digital signal processor
161	VSS	—	Ground terminal (digital system)
162	DLRC	O	L/R sampling clock signal (44.1 kHz) output terminal Not used
163	LRCK	I	L/R sampling clock signal (44.1 kHz) input from the digital signal processor
164	XRST	I	Reset signal input from the mechanism controller “L”: reset
165	IFS0	I	Interface selection signal input terminal Fixed at “L” in this set
166	IFS1	I	Interface selection signal input terminal Fixed at “H” in this set

QQ 376315150 892498299

Pin No.	Pin Name	I/O	Description
167	XTAL	I	33.8688 MHz clock signal input terminal
168	VSS	—	Ground terminal (digital system)
169	XTA2	O	System clock output terminal (33.8688 MHz)
170	XTA1	I	System clock input terminal (33.8688 MHz)
171	VDD	—	Power supply terminal (+3.3V) (digital system)
172 to 176	D0 to D4	I/O	Two-way data bus with the mechanism controller

TEL 13942296513 QQ 376315150 892498299

TEL 13942296513 QQ 376315150 892498299

www.xiaoyu163.com

00376315150 892498299

MB BOARD IC801 CXD2752R (DSD DECODER)

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

QQ 376315150 892498299

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

HCD-FLX9W

Pin No.	Pin Name	I/O	Description
117 to 120	WAD4 to WAD7	I	External A/D data input terminal for PSP physical disc mark detection Not used
121	VDCB2	—	Power supply terminal (+2.5V) (for core)
122	WRFD	I	Not used
123	WCK	I	Operation clock signal input for PSP physical disc mark detection from the DVD decoder
124, 125	WAVDD0, WAVDD1	—	A/D power supply terminal (+2.5V) (for PSP physical disc mark detection)
126	WARFI	I	Analog RF signal input for PSP physical disc mark detection from the DVD/CD RF amplifier
127	WAVRB	I	A/D bottom reference terminal for PSP physical disc mark detection
128, 129	WAVSS0, WAVSS1	—	A/D ground terminal (for PSP physical disc mark detection)
130	VSIOA2	—	Ground terminal (for I/O)
131 to 134	DQ7 to DQ4	I/O	Two-way data bus with the SD-RAM
135	VDIOA2	—	Power supply terminal (+3.3V) (for I/O)
136 to 139	DQ3 to DQ0	I/O	Two-way data bus with the SD-RAM
140	VSIOA3	—	Ground terminal (for I/O)
141	DCLK	O	Clock signal output to the SD-RAM
142	DCKE	O	Clock enable signal output to the SD-RAM
143	XWE	O	Write enable signal output to the SD-RAM
144	XCAS	O	Column address strobe signal output to the SD-RAM
145	XRAS	O	Row address strobe signal output to the SD-RAM
146	VDIOA3	—	Power supply terminal (+3.3V) (for I/O)
147	NC	O	Not used
148, 149	A11, A10	O	Address signal output to the SD-RAM
150	VSCA3	—	Ground terminal (for core)
151, 152	A9, A8	O	Address signal output to the SD-RAM
153	VDCA3	—	Power supply terminal (+2.5V) (for core)
154 to 157	A7 to A4	O	Address signal output to the SD-RAM
158	VSIOA4	—	Ground terminal (for I/O)
159 to 162	A3 to A0	O	Address signal output to the SD-RAM
163	VDIOA4	—	Power supply terminal (+3.3V) (for I/O)
164	XSRQ	O	Serial data request signal output to the DVD decoder
165	XSHD	I	Header flag signal input from the DVD decoder
166	SDCK	I	Serial data transfer clock signal input from the DVD decoder
167	XSAK	I	Serial data effect flag signal input from the DVD decoder
168	SDEF	I	Error flag signal input from the DVD decoder
169 to 176	SD0 to SD7	I	Stream data signal input from the DVD decoder

MB BOARD IC901 CXP973064-236R (MECHANISM CONTROLLER)

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

HCD-FLX9W

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

DSP BOARD IC601 CXD9720Q (AUDIO DIGITAL SIGNAL PROCESSOR)

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	XRST	I	Reset signal input from the digital audio interface receiver “L”: reset
3	EXTIN	I	Master clock signal input terminal Not used
4	LRCKI3	I	L/R sampling clock signal input from the A/D converter or digital audio interface receiver or digital audio processor
5	VDDI	—	Power supply terminal (+3.3V)
6	BCKI3	I	Bit clock signal (2.8224 MHz) input from the A/D converter or digital audio interface receiver or digital audio processor
7	PLOCK	O	Internal PLL lock signal output terminal Not used
8	VSS	—	Ground terminal
9	MCLK1	I	System clock input terminal (13 MHz)
10	VDDI	—	Power supply terminal (+3.3V)
11	VSS	—	Ground terminal
12	MCLK2	O	System clock output terminal (13 MHz)
13	MS	I	Master/slave selection signal input terminal “L”: slave, “H”: master (fixed at “L” in this set)
14	SCKOUT	O	Internal system clock signal output to the D/A converter
15	LRCKI1	I	L/R sampling clock signal input from the A/D converter or digital audio interface receiver or digital audio processor
16	VDDE	—	Power supply terminal (+3.3V)
17	BCKI1	I	Bit clock signal (2.8224 MHz) input from the A/D converter or digital audio interface receiver or digital audio processor
18	SDI1	I	Audio serial data input from the digital audio interface receiver or digital audio processor
19	LRCKO	O	L/R sampling clock signal (44.1 kHz) output to the D/A converter and RF modulator
20	BCKO	O	Bit clock signal (2.8224 MHz) output to the D/A converter and RF modulator
21	VSS	—	Ground terminal
22	KFSIO	I	Audio clock signal input from the A/D converter or digital audio interface receiver
23	SDO1	O	Audio serial data output to the D/A converter
24	SDO2	O	Audio serial data output to the D/A converter and RF modulator
25	SDO3	O	Audio serial data output to the D/A converter
26	SDO4	O	Audio serial data output to the D/A converter
27	SPDIF	O	S/PDIF signal output terminal Not used
28	LRCKI2	I	L/R sampling clock signal input from the A/D converter or digital audio interface receiver or digital audio processor
29	BCKI2	I	Bit clock signal (2.8224 MHz) input from the A/D converter or digital audio interface receiver or digital audio processor
30	SDI2	I	Audio serial data input from the A/D converter
31	VSS	—	Ground terminal
32	HACN	O	Acknowledge signal output to the system controller
33	HDIN	I	Write data input from the system controller
34	HCLK	I	Clock signal input from the system controller
35	HDOUT	O	Read data output to the system controller
36	HCS	I	Chip select signal input from the system controller
37	GP12	O	Clock signal output terminal Not used
38	GP13	O	Clock enable signal output terminal Not used
39	GP14	O	Row address strobe signal output terminal Not used

HCD-FLX9W

Pin No.	Pin Name	I/O	Description
40	VDDI	—	Power supply terminal (+3.3V)
41	VSS	—	Ground terminal
42	GP15	O	Column address strobe signal output terminal Not used
43	OE0	O	Output enable signal output to the S-RAM
44	CS0	O	Chip select signal output to the S-RAM
45	WE0	O	Write enable signal output to the S-RAM
46	VDDE	—	Power supply terminal (+3.3V)
47	WMD1	I	S-RAM wait mode setting terminal Fixed at “H” in this set
48	VSS	—	Ground terminal
49	WMD0	I	S-RAM wait mode setting terminal Fixed at “L” in this set
50	PAGE2	O	Page selection signal output terminal Not used
51	VSS	—	Ground terminal
52, 53	PAGE1, PAGE0	O	Page selection signal output terminal Not used
54	BOOT	I	Boot mode control signal input terminal Not used
55	BTACT	O	Boot mode state display signal output terminal Not used
56	BST	I	Boot trap signal input from the digital audio interface receiver
57	MOD1	I	PLL input frequency select terminal “L”: 384fs, “H”: 256fs (fixed at “H” in this set)
58	MOD0	I	Mode setting terminal “L”: single chip mode, “H”: use prohibition (fixed at “L” in this set)
59	EXLOCK	I	PLL lock error and data error flag input from the digital audio interface receiver
60	VDDI	—	Power supply terminal (+3.3V)
61	VSS	—	Ground terminal
62, 63	A17, A16	O	Address signal output terminal Not used
64 to 66	A15 to A13	O	Address signal output to the S-RAM
67	GP10	O	L/R sampling clock signal (44.1 kHz) output to the D/A, A/D converter and digital filter Not used
68	DECODE	O	Decode signal output to the system controller
69	AUDIO	I	Bit 1 input terminal of channel status from the digital audio interface receiver
70	VDDI	—	Power supply terminal (+3.3V)
71	VSS	—	Ground terminal
72 to 75	D15 to D12	I/O	Two-way data bus with the S-RAM
76	VDDE	—	Power supply terminal (+3.3V)
77 to 80	D11 to D8	I/O	Two-way data bus with the S-RAM
81	VSS	—	Ground terminal
82 to 85	A9, A12 to A10	O	Address signal output to the S-RAM
86	TDO	O	Simple emulation data output terminal Not used
87	TMS	I	Simple emulation data input start/end detection signal input terminal Not used
88	XTRST	I	Simple emulation asynchronous break input terminal Not used
89	TCK	I	Simple emulation clock signal input terminal Not used
90	TDI	I	Simple emulation data input terminal Not used
91	VSS	—	Ground terminal
92 to 97	A8 to A3	O	Address signal output to the S-RAM
98, 99	D7, D6	I/O	Two-way data bus with the S-RAM
100	VDDI	—	Power supply terminal (+3.3V)
101	VSS	—	Ground terminal
102 to 105	D5 to D2	I/O	Two-way data bus with the S-RAM
106	VDDE	—	Power supply terminal (+3.3V)

QQ 376315150 892498299

Pin No.	Pin Name	I/O	Description
107, 108	D1, D0	I/O	Two-way data bus with the S-RAM
109, 110	A2, A1	O	Address signal output to the S-RAM
111	VSS	—	Ground terminal
112	A0	O	Address signal output to the S-RAM
113	PM	I	PLL reset signal input from the digital audio interface receiver
114	SDI3	I	Audio serial data input from the digital audio processor
115	SDI4	I	Audio serial data input from the digital audio processor
116	SYNC	I	Synchronous/asynchronous selection signal input terminal “L”: Synchronous, “H”: asynchronous (fixed at “H” in this set)
117	TST2	—	Ground terminal
118	GP11	—	Not used
119	TST3	—	Ground terminal
120	VDDI	—	Power supply terminal (+3.3V)

TEL: 13942296513 QQ: 376315150 892498299

TEL: 13942296513 QQ: 376315150 892498299

“无奇不有” 电路图网
www.xiaoyu163.com

“无奇不有” 电路图网
www.xiaoyu163.com

“无奇不有” 电路图网
www.xiaoyu163.com

“无奇不有” 电路图网
www.xiaoyu163.com

“无奇不有” 电路图网
www.xiaoyu163.com

www.xiaoyu163.com

HCD-FLX9W

MC BOARD IC101 M3062CMEN-A21FPU0 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	AMP-DATA	O	Serial data output to the M61520FP
2	AMP-CLK	O	Serial data transfer clock signal output to the M61520FP
3	AMP-LAT	O	Serial data latch pulse signal output to the M61520FP
4	SIRCS	I	Remote control signal input from the remote control receiver
5	DIG-TX	O	Serial data output to the audio digital signal processor and digital audio interface receiver
6	DSP-RX	I	Serial data input from the digital audio interface receiver
7	DIG-CLK	O	Serial data transfer clock signal output to the audio digital signal processor and digital audio interface receiver
8	GND	—	Ground terminal
9	GND	—	Not used
10	XC-IN	I	Sub system clock input terminal (32.768 kHz)
11	XC-OUT	O	Sub system clock output terminal (32.768 kHz)
12	RESET	I	System reset signal input from the reset signal generator “L”: reset For several hundreds msec. after the power supply rises, “L” is input, then it changes to “H”
13	XOUT	O	Main system clock output terminal (16 MHz)
14	VSS	—	Ground terminal
15	XIN	I	Main system clock input terminal (16 MHz)
16	VCC	—	Power supply terminal (+3.3V)
17	NMI	I	Non-maskable interrupt input terminal Fixed at “H” in this set
18	RDS-INT	I	Serial data transfer clock signal input terminal Not used
19	CSOD	I	Captor start delay signal input from the RF modulator “H” active
20	DIR-INT	O	Interrupt request signal output to the digital audio interface receiver
21	CAPM-H/L	O	High/normal speed selection signal output of the capstan motor “L”: high speed, “H”: normal speed
22	CAPM-CNT1	O	Capstan motor drive signal output
23	A TRG	O	Deck-A side trigger plunger drive signal output “H”: plunger on
24	BU-PWM3	O	RFDC PWM signal output terminal Not used
25	B TRG	O	Deck-B side trigger plunger drive signal output “H”: plunger on
26	BU-PWM2	O	PWM signal output terminal Not used
27	A-HALF	I	Deck-A cassette detection signal input terminal “L”: no cassette, “H”: cassette in
28	BU-PWM1	O	Focus servo drive PWM signal output terminal Not used
29	IIC-CLK	I/O	IIC data reading clock signal input or transfer clock signal output with the fuluorescent indicator driver and DVD system processor
30	IIC-DATA	I/O	IIC two-way data bus with the fuluorescent indicator driver
31	DIAT-XRST	O	Reset signal output to the RF modulator “L”: reset
32	DIAT-XSCEN	O	Serial interface data write signal output to the RF modulator
33	DIAT-SWDT	O	Serial data output to the RF modulator
34	DIAT-SCLK	O	Shift clock signal output to the RF modulator
35	CD-DATA	O	Serial data output terminal Not used
36	CAN'T USE	I	Not used
37	CD-CLK	O	Serial data transfer clock signal output terminal Not used
38	POWER LED	O	LED drive signal output terminal
39	CLOCK-OUT	O	Clock (32.768 kHz) signal output terminal (for test mode) Not used
40	LDON(3STATE)	O	Laser diode on/off control signal output terminal Not used
41	M-RESET	I	Reset signal output to the fluorescent indicator tube driver and front panel controller

QQ 376315150 892498299

Pin No.	Pin Name	I/O	Description
42	XLT	O	Serial data latch pulse output terminal Not used
43	XRST	O	Reset signal output to the DVD system processor "L": reset
44, 45	VIDEO-MUTE, VIDEO-MUTE2	O	Video muting on/off control signal output terminal "L": muting on
46	NO-USE	—	Not used
47, 48	VOLUME A, VOLUME B	I	Rotary encoder pulse input terminal
49	A PLAY	I	Deck-A play detection signal input terminal "H": deck-A play
50	B PLAY	I	Deck-B play detection signal input terminal "H": deck-B play
51	NO-USE	—	Not used
52	RDS-DATA	I	Serial data input terminal Not used
53	ST MUTE	O	Tuner muting on/off control signal output to the FM/AM tuner unit
54	STEREO	I	FM stereo detection signal input from the tuner unit "L": stereo
55	TUNED	I	Tuning detection signal input from the tuner unit "L": tuned
56	ST CE	O	PLL serial chip enable signal output to the tuner unit
57	ST DOUT	O	PLL serial data output to the tuner unit
58	ST DIN	I	PLL serial data input from the tuner unit
59	ST CLK	O	PLL serial data transfer clock signal output to the tuner unit
60	LINE MUTE	O	Line muting on/off control signal output "H": muting on
61	DIR-CS	O	Chip enable signal output to the digital audio interface receiver
62	VCC	—	Power supply terminal (+3.3V)
63	SOFT-TEST	O	Output terminal for the software test
64	VSS	—	Ground terminal
65	DIR-RX	I	Read data input from the digital audio interface receiver
66	DAC-LAT	O	Serial data latch pulse signal output to the D/A converter
67	DSP-ACK	I	Acknowledge signal input from the audio digital signal processor
68	DSP-CS	O	Chip select signal output to the audio digital signal processor
69	DSP-DECODE	I	Decode signal input from the audio digital signal processor
70	BTL 2.1CH D	O	BTL 2.1ch switching signal output terminal
71	BTL 2.1CH C	O	BTL 2.1ch switching signal output terminal
72	BTL 2.1CH B	O	BTL 2.1ch switching signal output terminal
73	DISPLAY KEY	I	Key input terminal (A/D input)
74	POWER KEY	I	Key input terminal (A/D input)
75	DIR-UNLOCK	I	PLL lock error and data error flag input from the digital audio interface receiver
76	BTL 2.1CH A	O	BTL 2.1ch switching signal output terminal
77	PROTECT	O	Speaker output over load detection signal input "L": over load
78	FAN-CTRL	O	Fan motor drive signal output
79	CD-POWER	O	Power on/off control signal output for the CD/DVD section "H": power on
80	STK-MUTE	O	Power amplifier on/off control signal output "L": standby mode, "H": power amplifier on
81	BIAS	O	Recording bias on/off control signal output "H": bias on
82	TC-RELAY	O	Recording/playback selection signal output "L": playback, "H": recording
83	STBY-RELAY	O	Main power on/off control signal output "H": power on
84	REC-MUTE	O	Recording muting on/off selection signal output terminal "L": muting on
85	TC-MUTE	O	Playback muting on/off control signal output "H": muting on
86	PB-A/B	O	Deck-A/B selection signal output "L": deck-B, "H": deck-A
87	EQ-H/N	O	Normal/high speed selection signal output "L": normal speed, "H": high speed

HCD-FLX9W

QQ 376315150

892498299

Pin No.	Pin Name	I/O	Description
88	ALC	O	Automatic limiter control signal output "H": limiter on
89	DIR-RST	O	Reset signal output to the digital audio interface receiver
90	S/W	O	SW phase control signal output terminal
91	A-SHUT	I	Shut off detection signal input from the deck-A side reel pulse detector
92	B-SHUT	I	Shut off detection signal input from the deck-B side reel pulse detector
93	B-HALF	I	Deck-B cassette detection signal input terminal "L": cassette in, "H": no cassette
94	MODEL-IN	I	Model setting terminal
95	SPEC-IN	I	Destination setting terminal
96	AVSS	—	Ground terminal
97	AMS-IN	I	Automatic music sensor detection signal input
98	VREF	I	Reference voltage (+3.3V) input terminal
99	AVCC	—	Power supply terminal (+3.3V)
100	AC-CUT	I	AC cut on/off detection signal input from the reset signal generator "L": AC cut on, "H": AC cut off or checked

TEL: 13942296513 QQ: 376315150 892498299

TEL: 13942296513 QQ: 376315150 892498299

"无奇不有" 电路图网
www.xiaoyu163.com

TEL: 13942296513 QQ: 376315150 892498299

"无奇不有" 电路图网
www.xiaoyu163.com

TEL: 13942296513 QQ: 376315150 892498299

"无奇不有" 电路图网
www.xiaoyu163.com

TEL: 13942296513 QQ: 376315150 892498299

"无奇不有" 电路图网
www.xiaoyu163.com

TEL: 13942296513 QQ: 376315150 892498299

"无奇不有" 电路图网
www.xiaoyu163.com

TEL: 13942296513 QQ: 376315150 892498299

www.xiaoyu163.com

GC BOARD IC201 MB90M407PF-G-143-BNDE1

(FLUORESCENT INDICATOR TUBE DRIVER, KEY CONTROL, CD/DVD MECHANISM DECK CONTROLLER)

Pin No.	Pin Name	I/O	Description
1 to 8	G17 to G24	O	Grid drive signal output to the fluorescent indicator tube
9, 10	A36, 35	—	Segment drive signal output to the fluorescent indicator tube
11	VSS-(IO)	O	Ground terminal (for I/O port)
12 to 22	A34 to A24	O	Segment drive signal output to the fluorescent indicator tube
23	VDD-(VFT)	—	Power supply terminal (+3.3V) (for fluorescent indicator tube)
24 to 41	A23 to A6	O	Segment drive signal output to the fluorescent indicator tube
42	VSS-(IO)	—	Ground terminal (for I/O port)
43 to 47	A5 to A1	O	Segment drive signal output to the fluorescent indicator tube
48	VKK-(VFT)	—	Power supply terminal (-38V) (for fluorescent indicator tube)
49 to 51	MODE0 to MODE2	I	Setting terminal for the CPU operational mode
52	DOOR MOTOR +	O	CD/DVD door open/close motor drive signal output
53	DOOR MOTOR -	O	CD/DVD door open/close motor drive signal output
54	LOD-POS	O	Loding motor drive signal output
55	LOD-NEG/ XHOLD	O	Loding motor drive signal output
56	EXP-LAT	O	Serial data latch pulse output to the front panel controller
57 to 59	ENC2 to ENC0	O	Rotary encoder pulse input terminal
60	IIC DATA	I/O	IIC two-way data bus with the system controller
61	IIC CLOCK	I	IIC data reading clock signal input from the system controller
62	AVCC-(ANALOG)	—	Power supply terminal (+3.3V) (for A/D conversion)
63	AVSS-(ANALOG)	—	Ground terminal (for A/D conversion)
64 to 66	KEY0 to KEY2	I	Key input terminal (A/D input)
67	OUT SW	I	Detection input from the tray open/close detect switch “L”: when tray is open, “H”: when tray is close
68	MIDOUT SW	I	Detection input from the mid out detect switch “L”: when tray is going to open or close
69	IN SW	I	Detection input from the tray open/close detect switch “L”: when tray is close, “H”: when tray is open
70	MIDIN SW	I	Detection input from the mid in detect switch “L”: when sub tray move between tray and stocker
71	CLP-POS	O	Elevator up/down motor (M701) control signal output
72	CLP-NEG	O	Elevator up/down motor (M701) control signal output
73	INIT SW	I	Detection input from the INIT detect switch “L”: when elevator down to bottom, others: “H”
74	CNT SW	I	Detection input from the count detect switch “L”: when elevator up/down each sub tray stock position
75	EXP-IN DATA	I	Serial data input from the front panel controller
76	EXP-CLK	O	Serial data transfer clock signal output to the front panel controller
77	RESET	I	Reset signal input from the system controller
78	EXP-OUT DATA	O	Serial data output to the front panel controller
79	DISC-SENS	I	Detection input from the disc in detect sensor “H”: disc detected
80	PRTC-SW	I	Detection input from the CD/DVD tray door open/close detect switch “L”: when CD/DVD lid is open, “H”: when CD/DVD lid is close

HCD-FLX9W

QQ 376315150

892498299

Pin No.	Pin Name	I/O	Description
81	VSS-(CPU)	—	Ground terminal (for CPU)
82	X1	I	System clock input terminal (4 MHz)
83	X0	O	System clock output terminal (4 MHz)
84	VCC-(CPU)	—	Power supply terminal (+3.3V) (for CPU)
85 to 100	G1 to G16	O	Grid drive signal output to the fluorescent indicator tube

TEL 13942296513 QQ 376315150 892498299

TEL 13942296513 QQ 376315150 892498299

www.xiaoyu163.com

GC BOARD IC202 PT8300R-TP (FRONT PANEL CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	RESET_B	I	Reset signal input from the system controller
3	CLK	I	Serial data transfer clock signal input from the fuluorescent indicator driver
4	LATCH	I	Serial data latch pulse input from the fuluorescent indicator driver
5	TC SW	I	Key input terminal (A/D input)
6	CD SW 3	I	Key input terminal (A/D input)
7	CD SW 2	I	Key input terminal (A/D input)
8	CD SW 1	I	Key input terminal (A/D input)
9	H.P	I	Headphone detection signal input
10 to 12	NC	O	Not used
13	LATCHO	O	Serial data latch pulse output terminal
14	CLKO	O	Serial data transfer clock signal output terminal
15	DO1	O	Serial data output terminal Not used
16	DI2	I	Serial data input terminal Not used
17	TC A SW	O	TC holder open plunger drive signal output (DECK A)
18	TC B SW	O	TC holder open plunger drive signal output (DECK B)
19 to 23	LED5 to LED1	O	LED drive signal output terminal
24	LED SELECT	O	LED drive signal output terminal
25	DO2	O	Serial data output to the fuluorescent indicator driver
26	DO1	I	Serial data input from the fuluorescent indicator driver
27	PULLDO	—	Not used
28	VCC	—	Power supply terminal (+3.3V)

SECTION 9 EXPLODED VIEWS

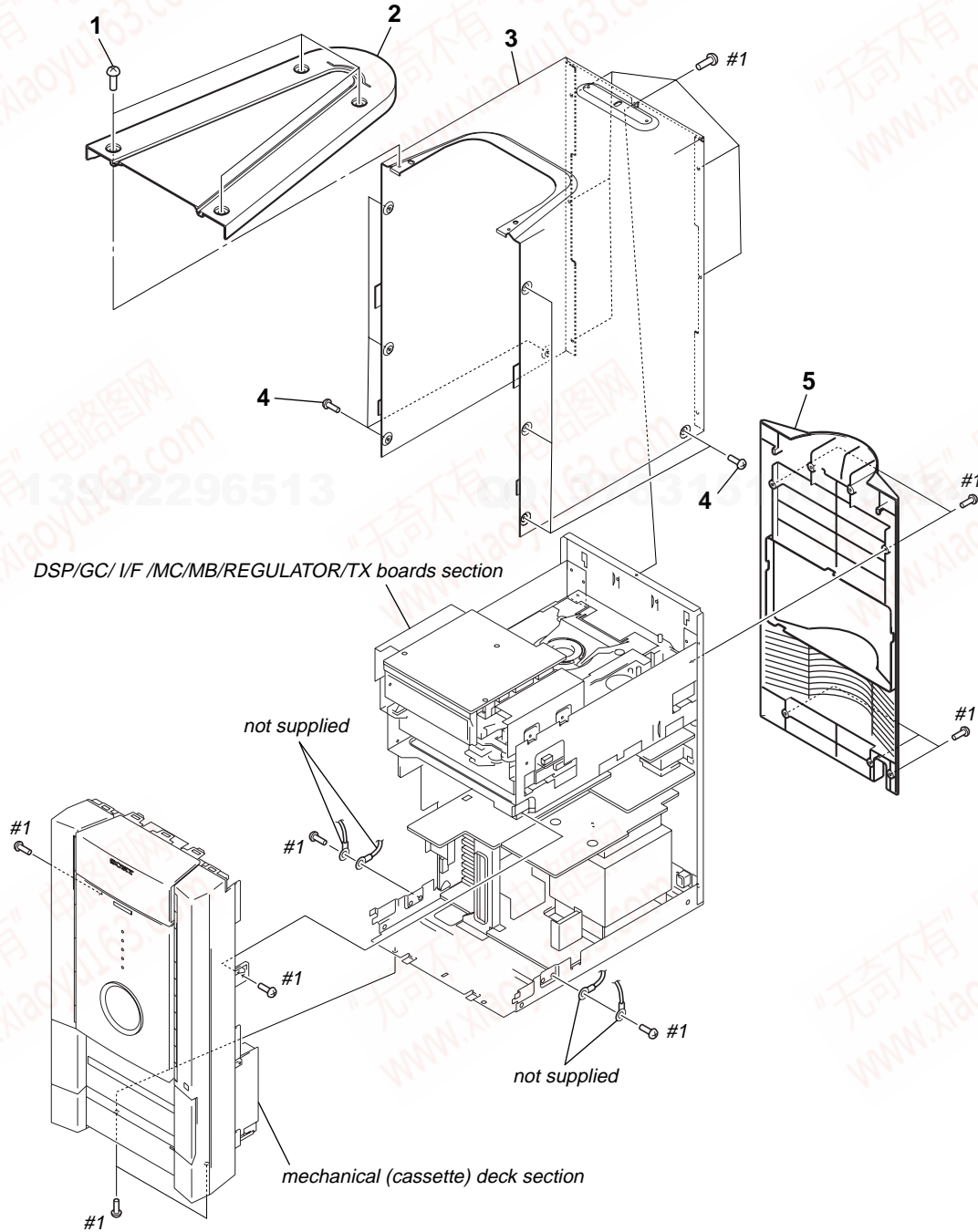
NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
Example:
KNOB, BALANCE (WHITE) . . . (RED)
 ↑ ↑
 Parts Color Cabinet's Color
- Abbreviation
AUS : Australian model SP : Singapore model
E15 : Iranian model TH : Thai model
EA : Saudi Arabia model

- 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.
- Accessories are given in the last of the electrical parts list.

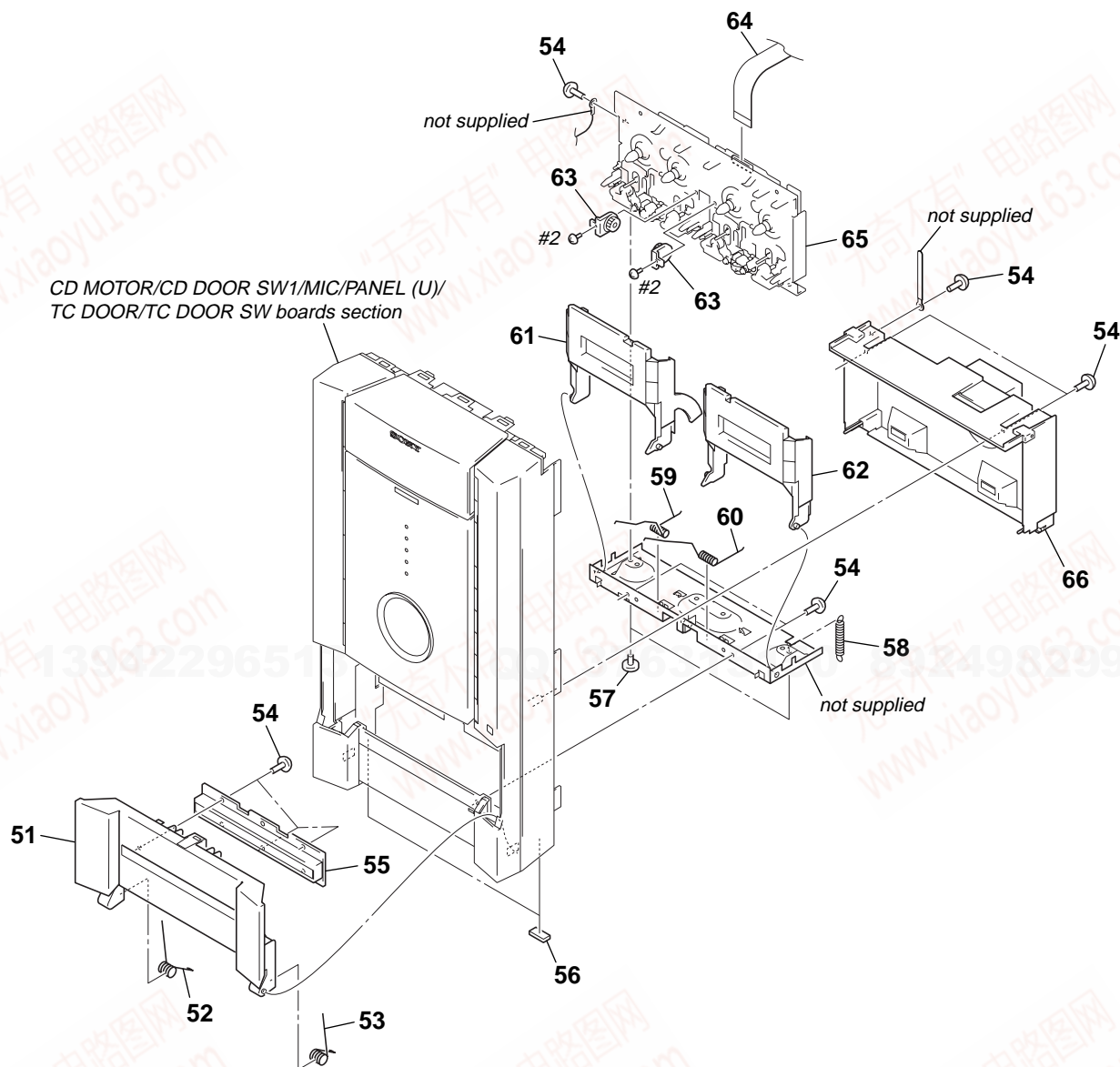
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

9-1. COVER SECTION



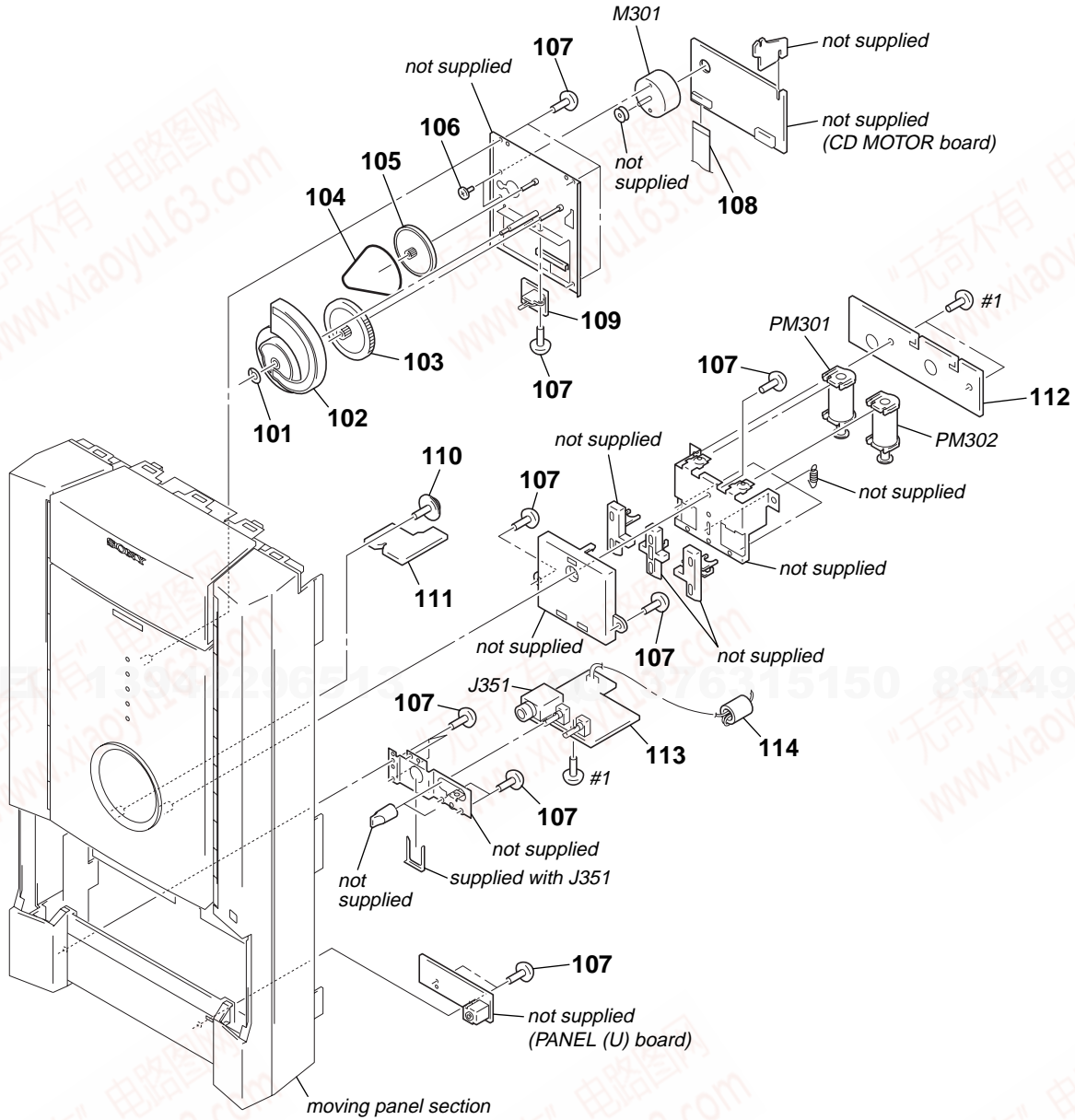
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-363-099-71	SCREW (CASE 3 TP2)		4	3-363-099-11	SCREW (CASE 3 TP2)	
2	4-252-019-01	COVER (TOP)		5	4-252-020-01	COVER (BACK)	
3	4-252-039-11	CASE		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	

9-2. MECHANICAL (CASSETTE) DECK SECTION



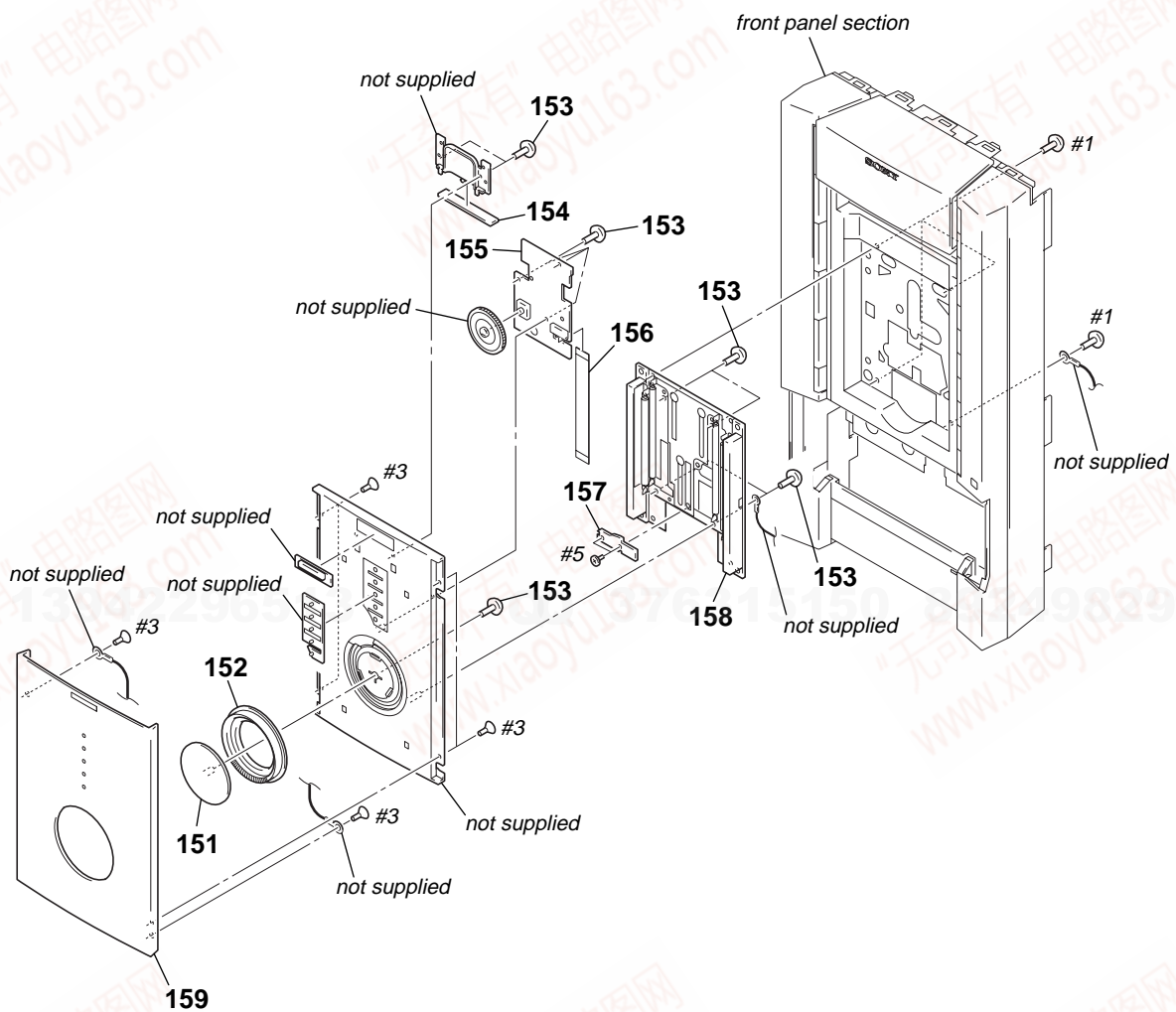
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-252-018-01	LID (TC)		60	4-252-049-01	SPRING (TC-B)	
52	4-252-046-01	SPRING (LID-L)		61	X-2021-009-1	TC HOLDER (A) ASSY	
53	4-252-047-01	SPRING (LID-R)		62	X-2021-010-1	TC HOLDER (B) ASSY	
54	4-951-620-01	SCREW (2.6X8), +BVTP		63	4-215-062-01	DAMPER	
55	4-252-015-01	WINDOW (TC)		64	1-773-044-11	WIRE (FLAT TYPE) (17 CORE)	
56	4-225-252-01	CUSHION (FOOT)		65	1-796-910-11	DECK, MECHANICAL (CASSETTE)	
57	4-240-965-01	SCREW 2.6X3 +P, S-TITE		66	4-252-021-01	COVER (TC)	
58	4-252-050-01	SPRING (LID-MIC)		#2	7-685-853-04	SCREW +BVTT 2X6 (S)	
59	4-252-048-01	SPRING (TC-A)					

9-3. CD MOTOR/CD DOOR SW1/MIC/PANEL (U)/TC DOOR/TC DOOR SW BOARDS SECTION



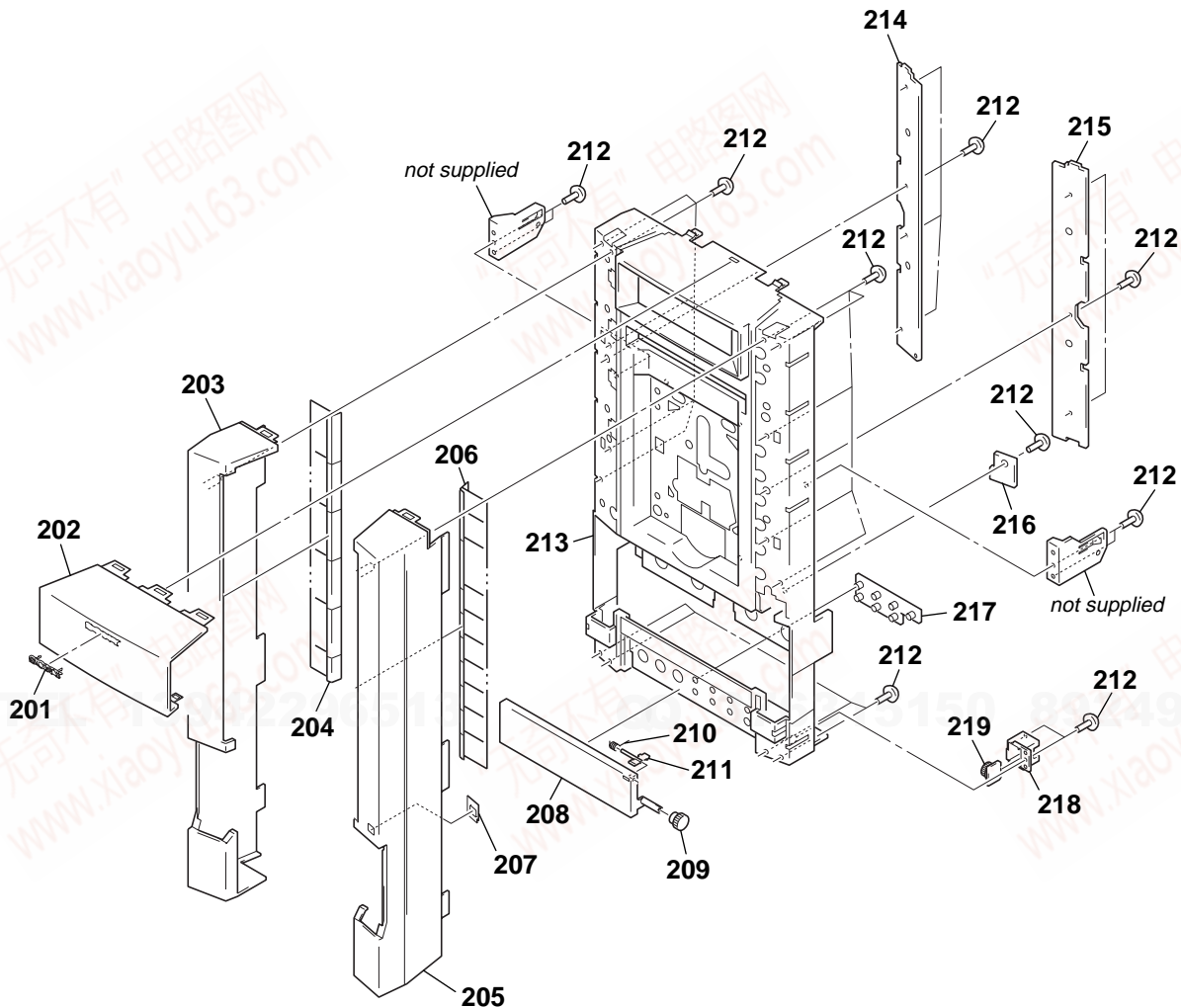
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	4-986-463-01	WASHER (14B)		111	1-861-345-11	TC DOOR SW BOARD	
102	4-239-000-01	CAM		112	1-861-346-11	TC DOOR BOARD	
103	4-238-999-01	GEAR (A)		113	A-1077-569-A	MIC BOARD, COMPLETE (EXCEPT TH)	
104	4-253-748-01	BELT		113	A-1077-572-A	MIC BOARD, COMPLETE (TH)	
105	4-239-726-01	PULLEY		114	1-500-082-11	CLAMP, SLEEVE FERRITE (EA, TH)	
106	4-639-890-01	SCREW (+B M2.6X2.5)		J351	1-770-226-11	JACK (LARGE TYPE) (MIC)	
107	4-951-620-01	SCREW (2.6X8), +BVTP		M301	1-541-632-12	MOTOR, DC (CD DOOR OPEN/CLOSE)	
108	1-828-354-11	WIRE (FLAT TYPE) (17 CORE)		PM301	1-454-887-32	SOLENOID, PLUNGER (DECK A)	
109	1-861-351-11	CD DOOR SW1 BOARD		PM302	1-454-887-32	SOLENOID, PLUNGER (DECK B)	
110	4-957-577-01	SCREW PTP WH (2.6X8) (DIA. 10)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	

9-4. MOVING PANEL SECTION



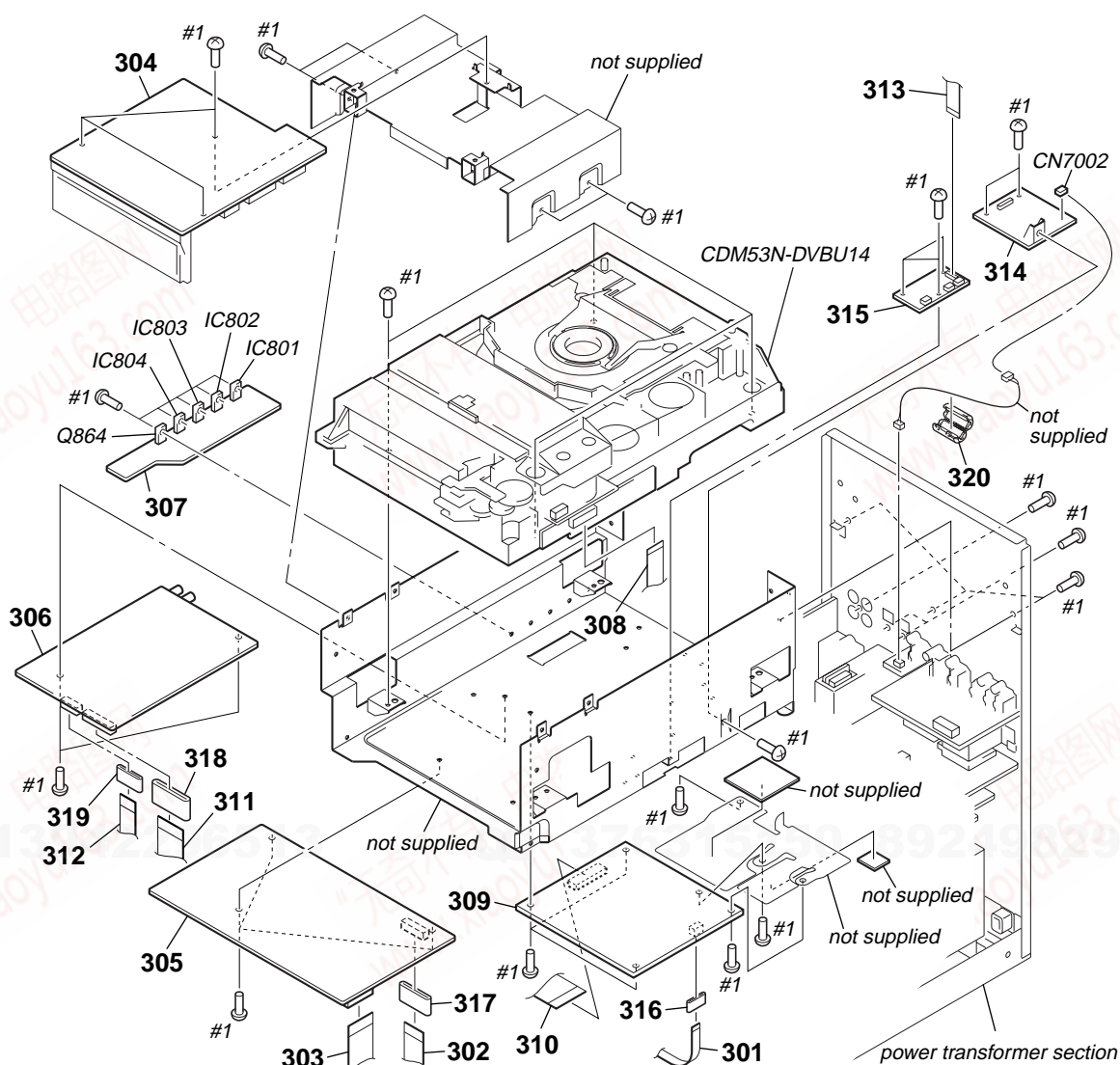
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	4-252-032-01	ORNAMENT (VOL)		157	1-861-352-11	CD DOOR SW2 BOARD	
152	X-4956-331-1	RING (VOL) ASSY		158	X-4954-585-1	BRACKET (PANEL, MOVING) ASSY	
153	4-951-620-01	SCREW (2.6X8), +BVTP		159	4-252-036-21	PANEL (AL), MOVING	
154	1-861-348-11	BLUE LED BOARD		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
155	1-861-349-11	CD DOOR BOARD		#3	7-685-233-14	SCREW +KTP 2.6X6 TYPE2NON-SLIT	
156	1-828-429-11	WIRE (FLAT TYPE) (11 CORE)		#5	7-685-862-09	SCREW +BVTT 2.6X6 (S)	

9-5. FRONT PANEL SECTION



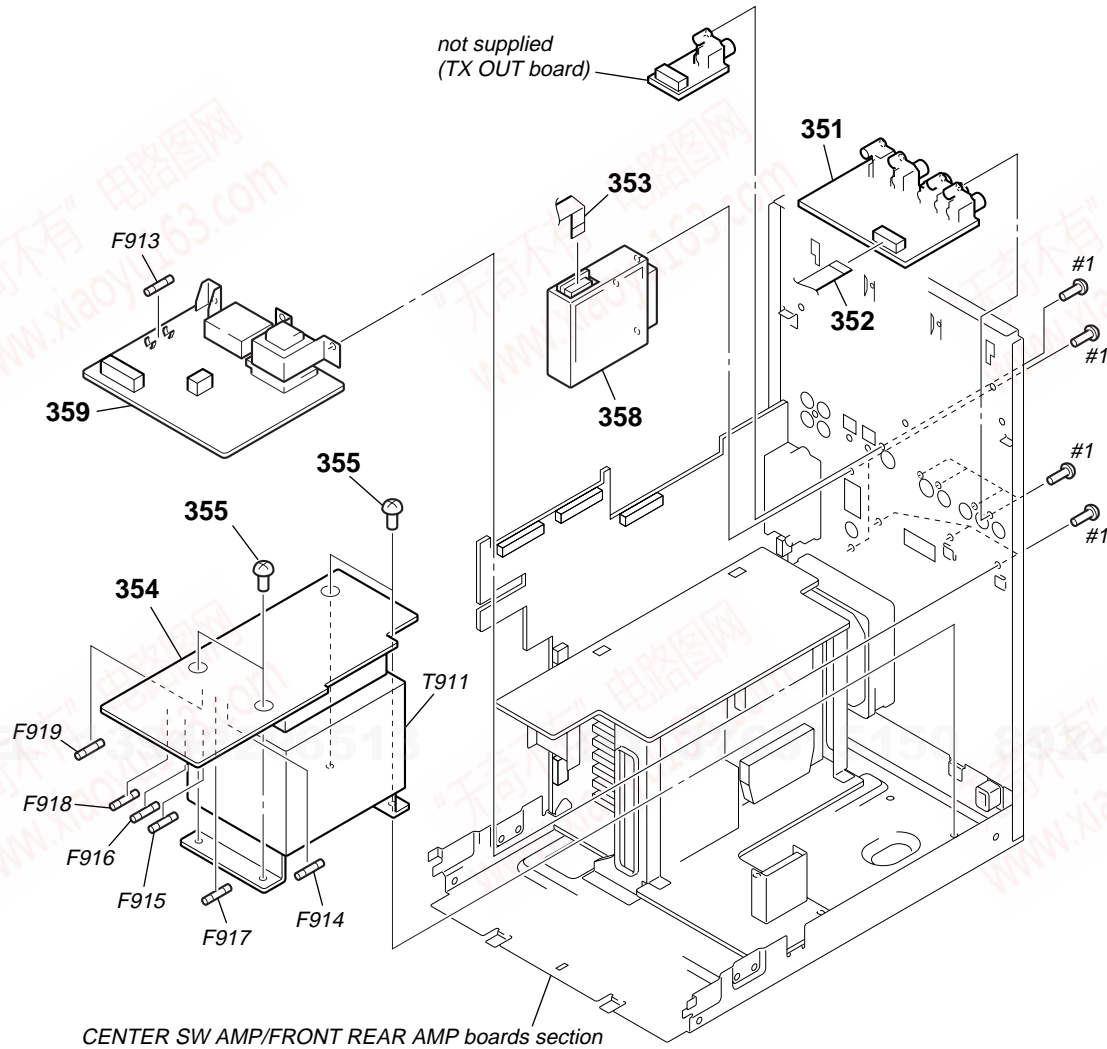
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	4-963-404-21	EMBLEM (5-A), SONY		212	4-951-620-01	SCREW (2.6X8), +BVTP	
202	4-252-014-11	WINDOW (FL)		213	4-252-010-01	PANEL, FRONT	
203	4-252-011-01	PANEL (A), SIDE		214	A-4750-813-A	PANEL (L) BOARD, COMPLETE (EXCEPT TH)	
204	X-4956-113-1	BUTTON (POWER) ASSY		214	A-4753-580-A	PANEL (L) BOARD, COMPLETE (TH)	
205	4-252-012-01	PANEL (B), SIDE		215	A-4750-819-A	PANEL (R) BOARD, COMPLETE (EXCEPT TH)	
206	4-252-024-01	BUTTON (PLAY)		215	A-4753-581-A	PANEL (R) BOARD, COMPLETE (TH)	
207	4-252-016-01	WINDOW (RM)		216	1-861-353-11	SIRCS BOARD	
208	4-252-017-01	LID (MIC)		217	4-252-025-01	BUTTON (REC)	
209	4-231-432-01	GEAR (D)		218	4-231-431-01	BRACKET (DAMPER)	
210	4-252-051-01	SPRING (LOCK LEVER)		219	4-224-104-11	DAMPER	
211	4-252-035-01	LEVER, LOCK					

9-6. DSP/GC/ I/F /MC/MB/REGULATOR/TX BOARDS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	1-782-252-11	WIRE (FLAT TYPE) (9 CORE)		312	1-769-937-11	WIRE (FLAT TYPE) (11 CORE)	
302	1-824-686-11	WIRE (FLAT TYPE) (13 CORE)		313	1-769-973-11	WIRE (FLAT TYPE) (13 CORE)	
303	1-773-123-11	WIRE (FLAT TYPE) (19 CORE)		314	A-1072-457-A	TX BOARD, COMPLETE (TH)	
304	A-4750-816-A	GC BOARD, COMPLETE (EXCEPT TH)		314	A-4753-411-A	TX BOARD, COMPLETE (EXCEPT TH)	
304	A-4753-591-A	GC BOARD, COMPLETE (TH)		315	A-1062-002-A	I/F BOARD, COMPLETE (EXCEPT TH)	
305	A-1061-992-A	MC BOARD, COMPLETE (EA)		315	A-1072-452-A	I/F BOARD, COMPLETE (TH)	
305	A-1072-257-A	MC BOARD, COMPLETE (E15)		316	1-469-829-11	CORE, FERRITE (EA)	
305	A-1072-258-A	MC BOARD, COMPLETE (SP)		317	1-400-640-11	CORE, FERRITE (EA)	
305	A-1072-259-A	MC BOARD, COMPLETE (TH)		318	1-469-854-11	CORE, FERRITE (EA)	
306	A-1061-996-A	DSP BOARD, COMPLETE (EA)		319	1-400-092-11	CORE, FERRITE (EA)	
306	A-1072-445-A	DSP BOARD, COMPLETE (TH)		320	1-543-793-11	FILTER, CLAMP (FERRITE CORE) (EA, TH)	
306	A-1077-535-A	DSP BOARD, COMPLETE (E15, SP)		* CN7002	1-564-517-11	PLUG, CONNECTOR 2P	
307	1-684-271-11	REGULATOR BOARD		IC801	6-703-546-01	IC TA7804LS	
308	1-773-049-11	WIRE (FLAT TYPE) (17 CORE)		IC802	8-759-231-53	IC TA7805S	
309	A-1071-896-A	MB BOARD, COMPLETE (EXCEPT TH)		IC803	8-759-231-57	IC TA7810S	
309	A-1072-459-A	MB BOARD, COMPLETE (TH)		IC804	8-759-231-53	IC TA7805S	
310	1-824-652-11	WIRE (FLAT TYPE) (29 CORE)		Q864	8-729-209-60	TRANSISTOR 2SB1375	
311	1-773-105-11	WIRE (FLAT TYPE) (19 CORE)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

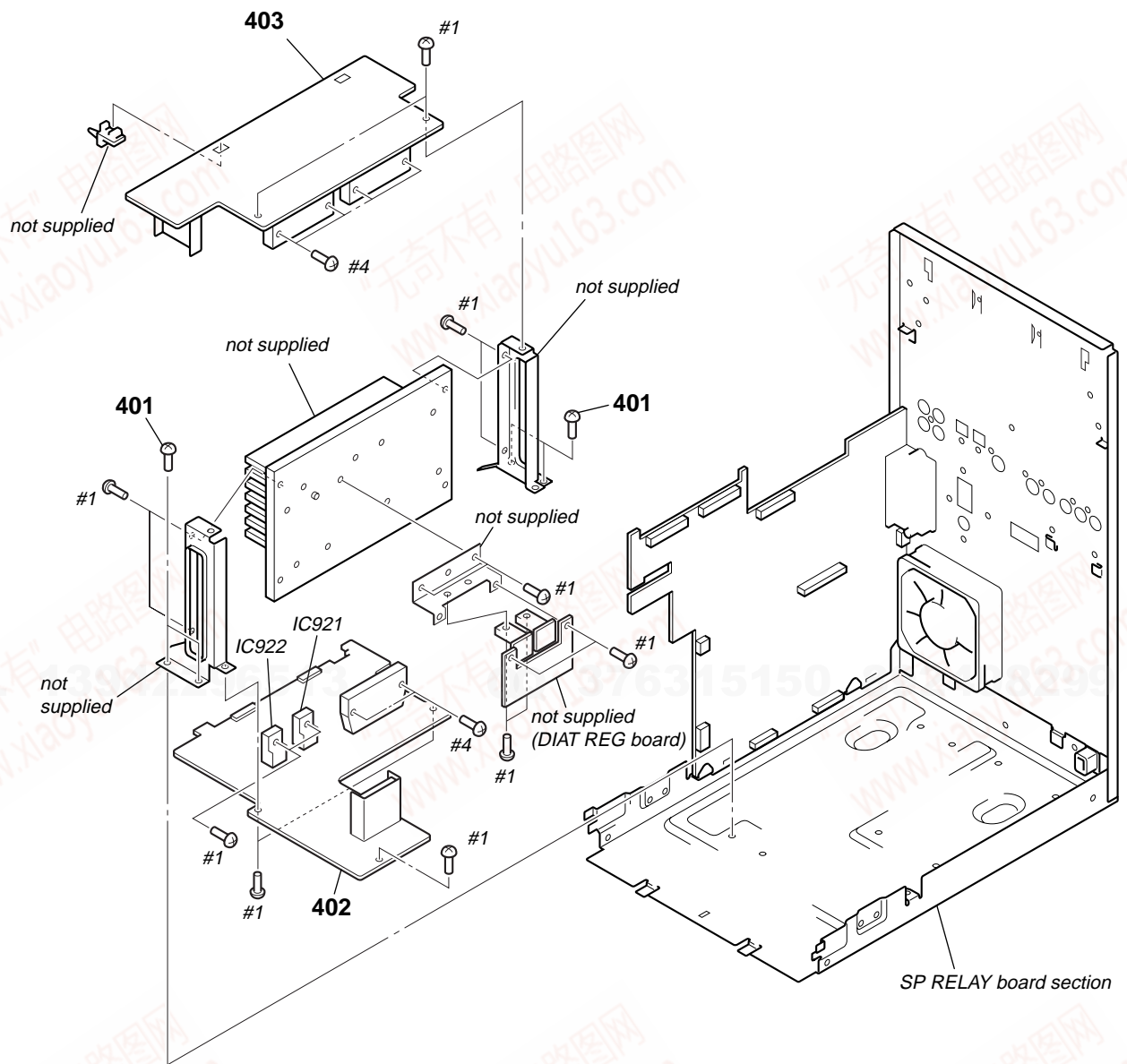
9-7. POWER TRANSFORMER SECTION



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

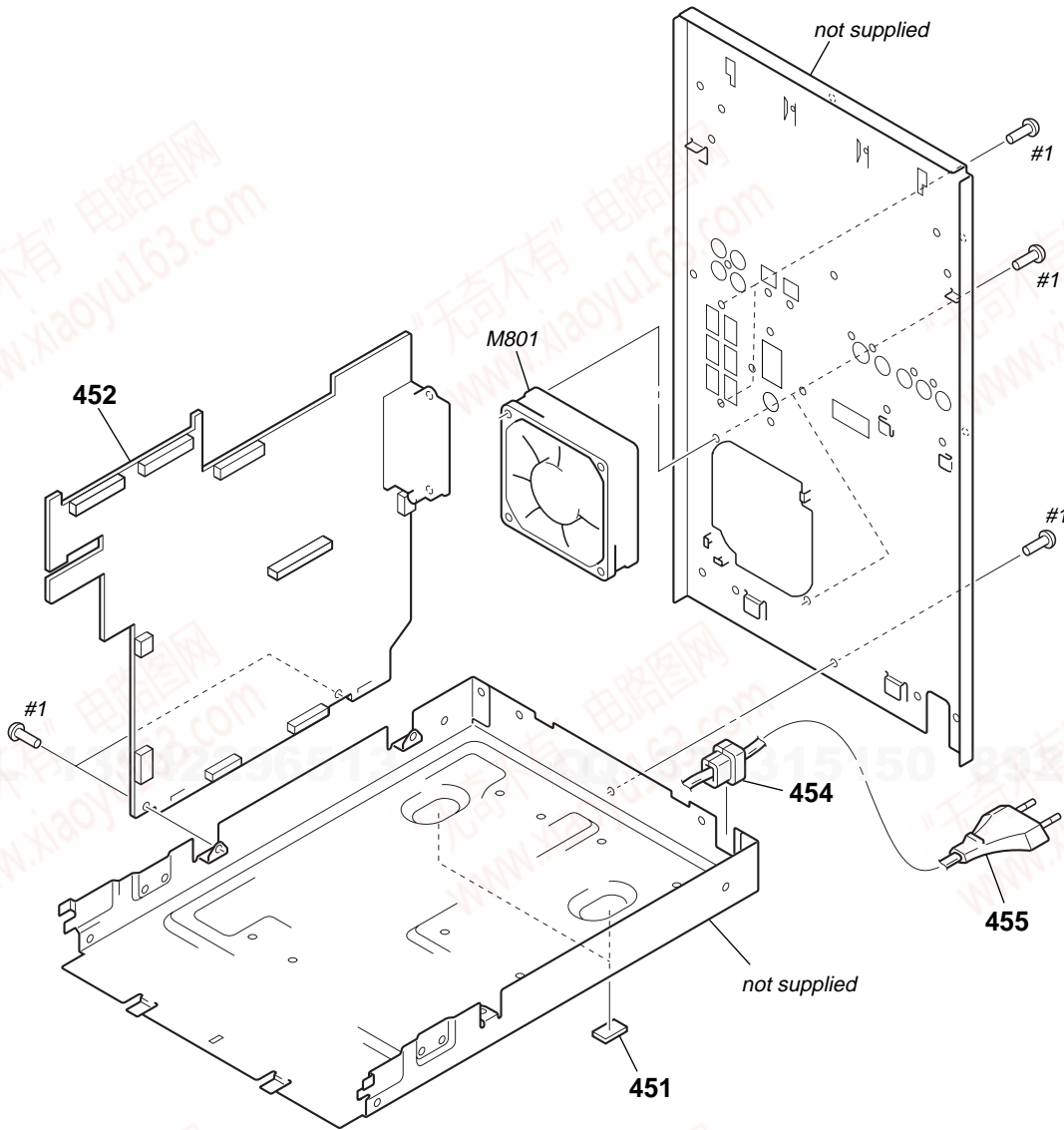
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	1-684-692-11	VIDEO BOARD		Δ F914	1-576-655-12	FUSE, GLASS TUBE (DIA. 5) (8A/250V)	
352	1-792-099-11	WIRE (FLAT TYPE) (17 CORE)		Δ F915	1-576-655-12	FUSE, GLASS TUBE (DIA. 5) (8A/250V)	
353	1-590-218-11	WIRE (FLAT TYPE) (11 CORE)		Δ F916	1-576-655-12	FUSE, GLASS TUBE (DIA. 5) (8A/250V)	
354	A-4730-184-A	TRANS BOARD, COMPLETE (TH)		Δ F917	1-576-655-12	FUSE, GLASS TUBE (DIA. 5) (8A/250V)	
354	A-4730-190-A	TRANS BOARD, COMPLETE (EXCEPT TH)		Δ F918	1-533-473-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/250V)	
355	4-900-386-01	SCREW		Δ F919	1-533-472-12	FUSE, GLASS TUBE (DIA. 5) (5A/250V)	
358	1-693-603-31	TUNER (FM/AM)		Δ T911	1-437-800-21	TRANSFORMER, POWER (E15, SP)	
359	A-4730-199-A	SUB TRANS BOARD, COMPLETE (EXCEPT TH)		Δ T911	1-437-801-21	TRANSFORMER, POWER (EA, TH)	
359	A-4730-220-A	SUB TRANS BOARD, COMPLETE (TH)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
Δ F913	1-533-472-12	FUSE, GLASS TUBE (DIA. 5) (5A/250V)					

9-8. CENTER SW AMP/FRONT REAR AMP BOARDS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
401	3-077-331-21	+BV3 (3-CR)		IC921	8-759-518-68	IC PQ12RF21	
402	A-1061-999-A	CENTER SW AMP BOARD, COMPLETE (EXCEPT TH)		IC922	8-759-231-56	IC TA7809S	
402	A-1072-450-A	CENTER SW AMP BOARD, COMPLETE (TH)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
403	A-4728-418-A	FRONT REAR AMP BOARD, COMPLETE (TH)		#4	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	
403	A-4730-385-A	FRONT REAR AMP BOARD, COMPLETE (EXCEPT TH)					

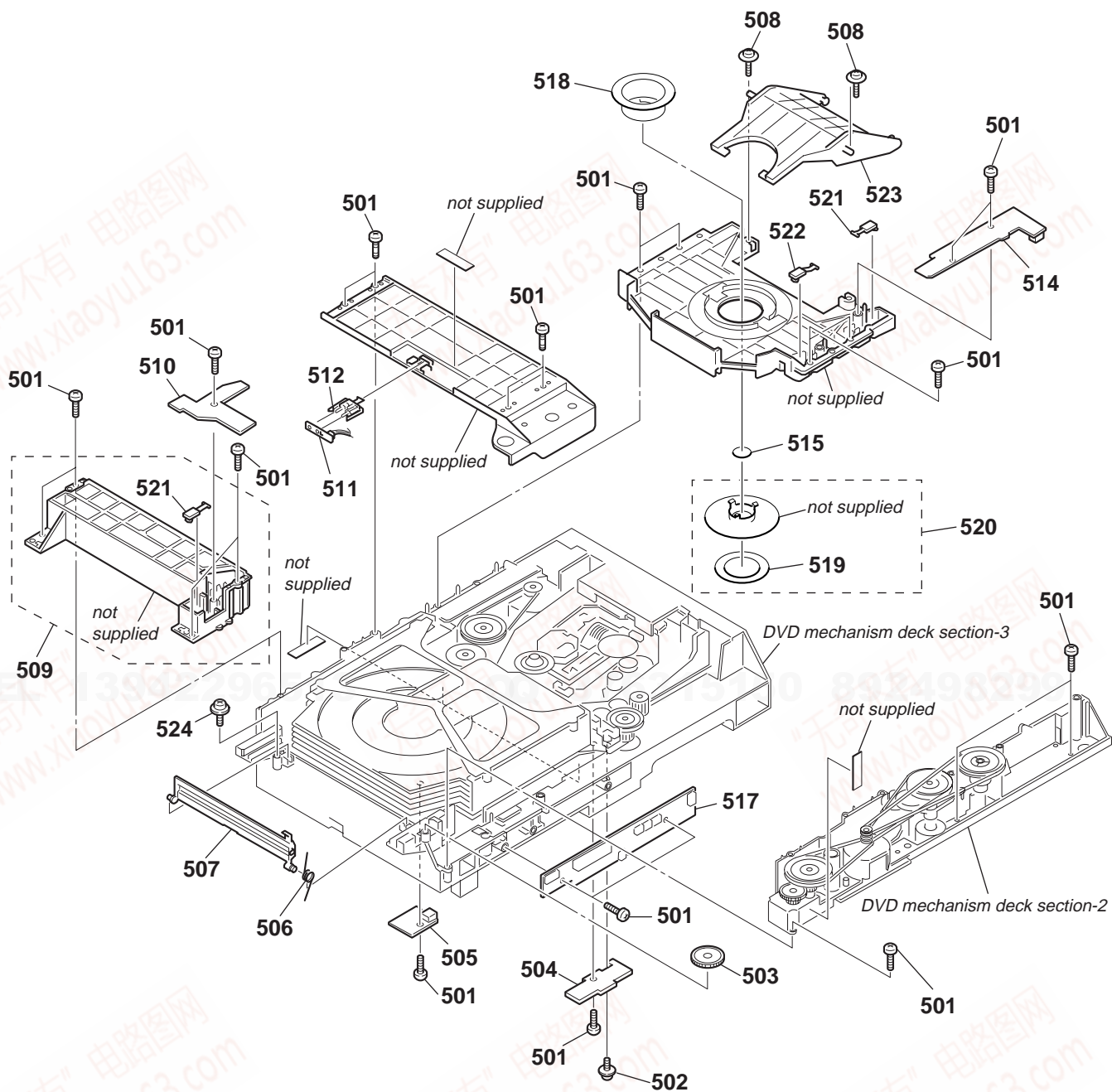
9-9. SP RELAY BOARD SECTION



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

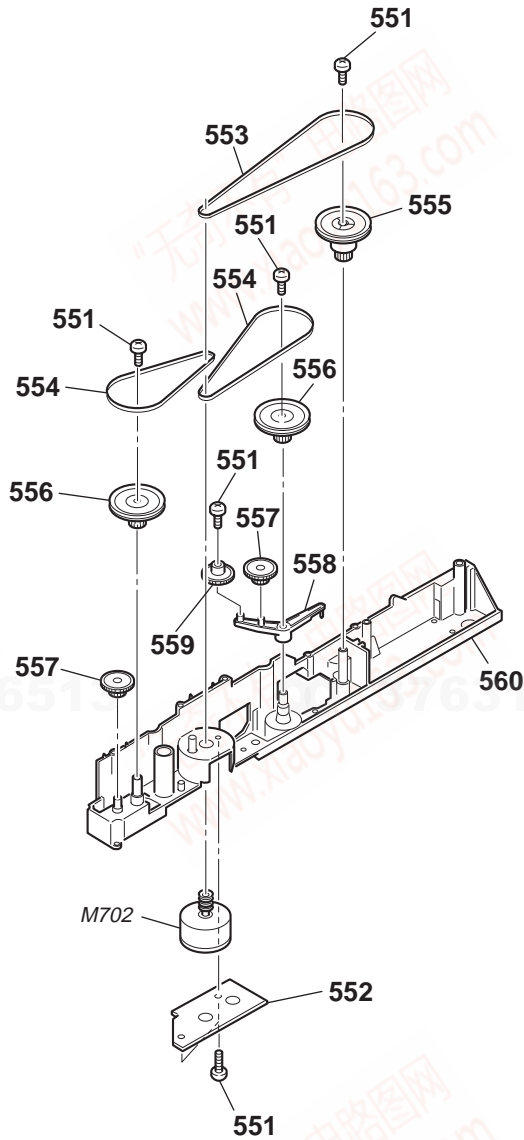
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
451	4-225-252-01	CUSHION (FOOT)		Δ 455	1-777-071-83	CORD, POWER (SP)	
452	A-4753-509-A	SP RELAY BOARD, COMPLETE (EXCEPT TH)		Δ 455	1-824-818-11	CORD, POWER (WITH CONNECTOR) (TH)	
452	A-4753-573-A	SP RELAY BOARD, COMPLETE (TH)		Δ 455	1-827-226-11	CORD, POWER (E15)	
* 454	3-703-244-00	BUSHING (2104), CORD (EXCEPT E15)		M801	1-763-488-51	FAN, DC	
454	3-703-571-11	BUSHING (S) (4516), CORD (E15)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
Δ 455	1-775-786-21	CORD, POWER (EA)					

9-10. DVD MECHANISM DECK SECTION-1
(CDM53N-DVBU14)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
501	4-218-253-52	SCREW (M2.6), +BTTP		512	4-964-461-02	HOLDER (SENSOR)	
502	3-341-549-01	SCREW (2.6X12) (DIA. 7.5), +PTP WH		514	1-683-896-11	IN/MIDIN SW BOARD	
503	4-211-215-01	GEAR (EJECT)		515	3-053-844-01	YOKE	
504	1-683-897-11	INIT/COUNT SW BOARD		517	1-683-895-11	CONNECT BOARD	
505	1-683-899-11	SENSOR BOARD		518	4-234-723-01	PULLEY (AT) (240)	
506	4-212-676-01	SPRING (LID), TORSIONOR		519	4-238-194-01	SHEET (PULLEY DV)	
507	4-212-674-11	LID (DISC)		520	X-4954-450-1	PULLEY (240) ASSY	
508	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING		521	4-221-528-01	LEVER (DETECTION A)	
509	A-4672-909-C	BASE (GUIDE) ASSY, FITTING		522	4-221-530-01	LEVER (DETECTION C)	
510	1-683-898-11	OUT/MIDOUT SW BOARD		523	4-222-783-01	LEVER (LIFTER)	
511	1-683-900-11	SENSOR 2 BOARD		524	4-933-134-01	SCREW (M2.6), +PTPWH	

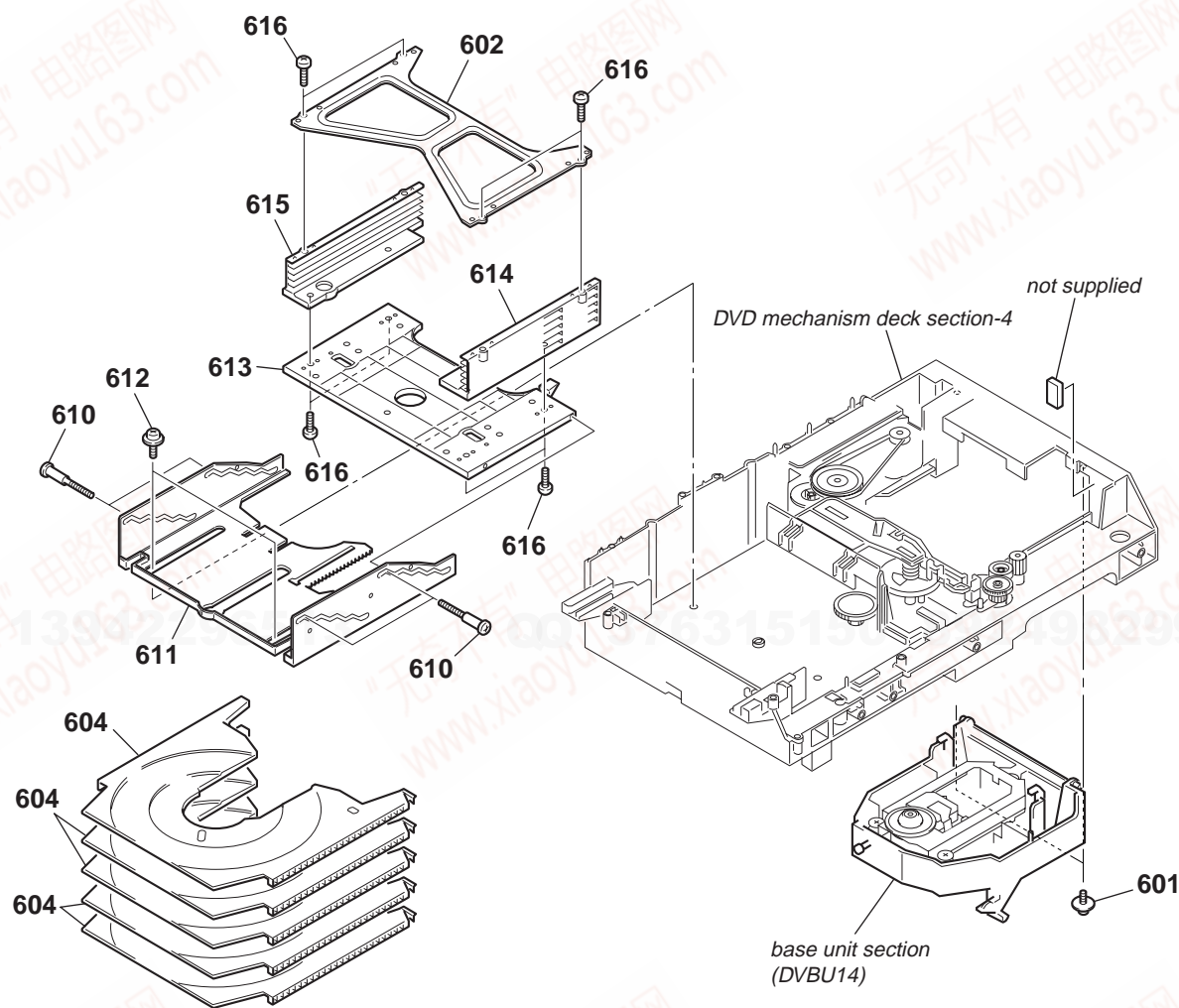
9-11. DVD MECHANISM DECK SECTION-2
(CDM53N-DVBU14)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
551	4-218-253-52	SCREW (M2.6), +BTTP		557	4-211-232-01	GEAR (LD DECELERATION)	
552	1-683-902-11	LOADING MOTOR BOARD		558	4-211-228-01	LEVER (GOOSENECK)	
553	4-211-235-01	BELT (COMMUNICATION)		559	4-214-130-01	GEAR (TRAY)	
554	4-241-745-01	BELT (LOADING 1)		560	4-221-505-11	CHASSIS (MOLD B)	
555	4-211-231-01	PULLEY (MODE)		M702	X-4950-342-1	MOTOR (LOADING) ASSY	
556	4-211-214-01	PULLEY (LD)					

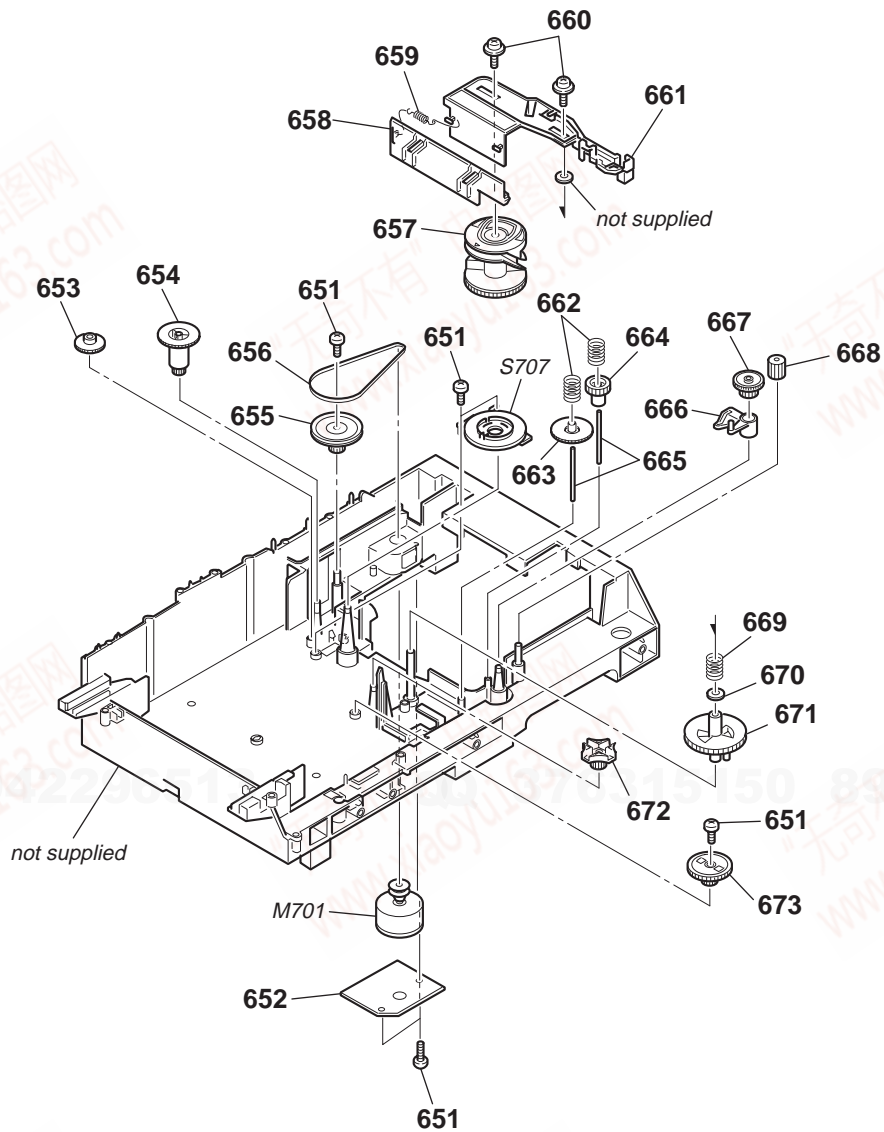
9-12. DVD MECHANISM DECK SECTION-3
(CDM53N-DVBU14)

892498299



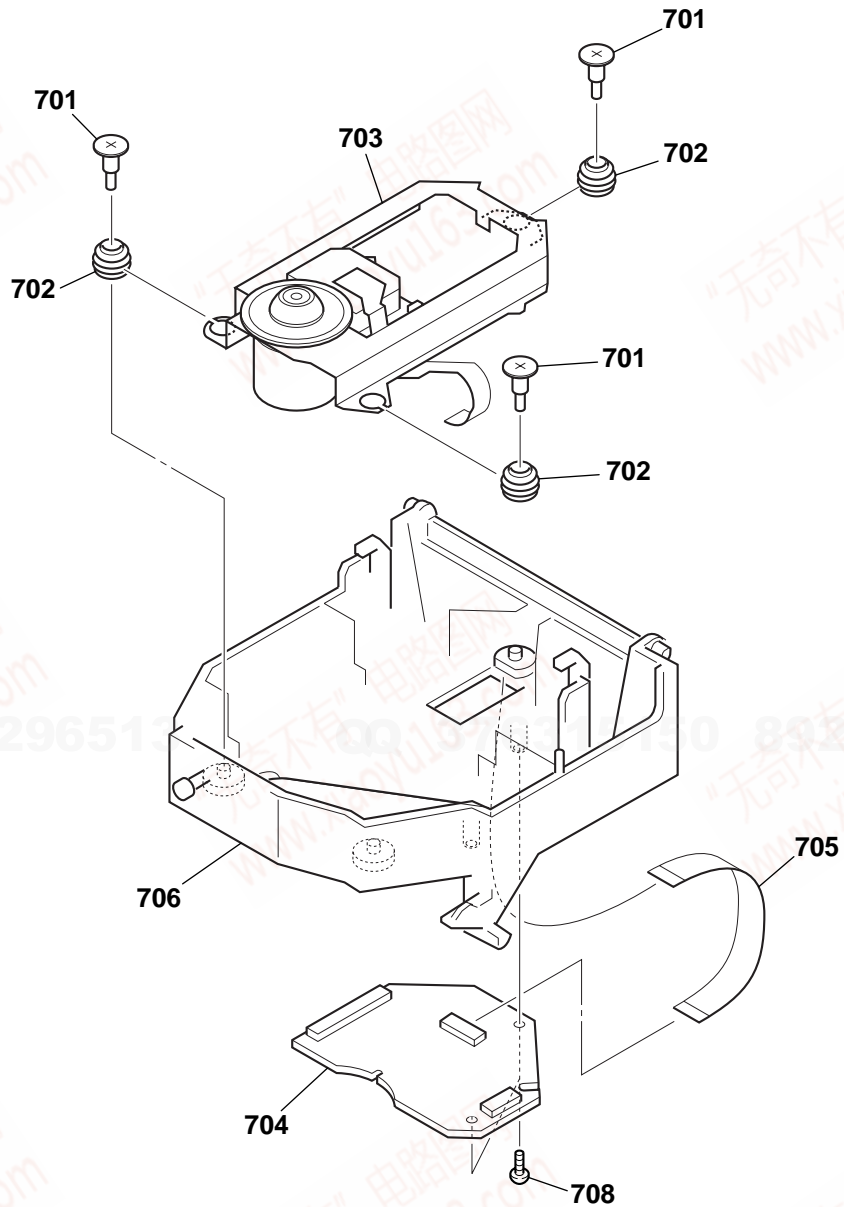
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
601	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING		612	4-933-134-01	SCREW (+PTPWH M2.6×6)	
602	4-211-234-01	BRACKET (STOCKER T)		613	4-221-504-01	BASE (STOCKER), FITTING	
604	4-239-789-01	TRAY (DBU-1)		614	4-211-211-01	STOCKER (R)	
610	4-211-244-03	SCREW, STEP		615	4-211-210-01	STOCKER (L)	
611	4-211-223-01	SLIDER (U/D)		616	4-218-253-22	SCREW (M2.6), +BTTP	

9-13. DVD MECHANISM DECK SECTION-4
(CDM53N-DVBU14)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
651	4-218-253-52	SCREW (M2.6), +BTTP		665	4-211-242-11	SHAFT (SELECTION GEAR)	
652	1-683-901-11	CLAMP MOTOR BOARD		666	4-211-241-01	LEVER (SELECTION)	
653	4-211-215-01	GEAR (EJECT)		667	4-211-216-01	GEAR (RELAY)	
654	4-211-232-01	GEAR (MODE DECELERATION)		668	4-211-240-01	GEAR (LD DECELERATION B)	
655	4-211-214-01	PULLEY (LD)		669	4-216-879-01	SPRING (GEAR A), COMPRESSION	
656	4-211-237-01	BELT (MODE)		670	3-701-446-21	WASHER, 8	
657	4-211-230-01	GEAR (CHUCKING)		671	4-211-218-01	GEAR (GEAR A)	
658	4-212-677-01	SLIDER (SHUTTER)		672	4-211-219-01	GEAR (GEAR B)	
659	4-212-678-01	SPRING (SHUTTER), TENSION		673	4-211-220-01	GEAR (U/D SLIDER)	
660	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING		M701	X-4950-341-1	MOTOR (CLAMP) ASSY (ELEVATOR UP/DOWN)	
661	4-211-233-01	SLIDER (SELECTION)		S707	1-418-045-01	ENCODER, ROTARY (DISC TRAY ADDRESS DETECT)	
662	4-211-245-01	SPRING, COMPRESSION					
663	4-211-217-01	GEAR (SELECTION)					
664	4-211-221-01	GEAR (LD MOVABLE)					

9-14. BASE UNIT SECTION
(DVBU14)



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
701	4-981-923-01	SCREW (M), STEP		704	A-4728-690-A	RF BOARD, COMPLETE	
702	3-053-847-31	INSULATOR		705	1-824-106-12	CABLE, FLEXIBLE FLAT (24 CORE)	
\triangle 703	A-4713-410-A	OPTICAL TRAVERSE UNIT (DBU-1 ASSY (SERVICE))		706	X-4954-780-3	HOLDER (DBU1) ASSY	
				708	4-218-253-52	SCREW (M2.6), +BTTP	

CD DOOR

CD DOOR SW1

CD DOOR SW2

CD MOTOR

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Abbreviation
E15 : Iranian model TH : Thai model
EA : Saudi Arabia model
SP : Singapore model

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

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

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

Ref. No.	Part No.	Description	Remark
	1-861-348-11	BLUE LED BOARD *****	
		< CAPACITOR >	
C316	1-164-357-11	CERAMIC CHIP 0.001uF 5% 50V	
		< LED >	
D308	6-500-329-01	LED SELU5E23C-PTP15 (MULTI CHANNEL DECODING) *****	
	1-861-349-11	CD DOOR BOARD *****	
		< CAPACITOR >	
C341	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C342	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C343	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
		< CONNECTOR >	
CN317	1-569-906-11	SOCKET, CONNECTOR 11P	
		< LED >	
D341	8-719-071-41	LED SELS5923C-TP15 (DISC 1 INDICATOR)	
D342	8-719-071-41	LED SELS5923C-TP15 (DISC 2 INDICATOR)	
D343	8-719-071-41	LED SELS5923C-TP15 (DISC 3 INDICATOR)	
D344	8-719-071-41	LED SELS5923C-TP15 (DISC 4 INDICATOR)	
D345	8-719-071-41	LED SELS5923C-TP15 (DISC 5 INDICATOR)	
		< RESISTOR >	
R341	1-216-797-11	METAL CHIP 10 5% 1/10W	
R342	1-216-813-11	METAL CHIP 220 5% 1/10W	
R343	1-216-813-11	METAL CHIP 220 5% 1/10W	
R344	1-216-813-11	METAL CHIP 220 5% 1/10W	
R345	1-216-813-11	METAL CHIP 220 5% 1/10W	
R346	1-216-813-11	METAL CHIP 220 5% 1/10W	
R381	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R382	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R383	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R384	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R385	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R386	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R387	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R388	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	

Ref. No.	Part No.	Description	Remark
		< ROTARY ENCODER >	
S341	1-478-516-11	ENCODER, ROTARY (VOLUME) *****	
	1-861-351-11	CD DOOR SW1 BOARD *****	
		< SWITCH >	
S331	1-571-300-21	SWITCH, LEVER SLIDE (CD/DVD DOOR OPEN/CLOSE DETECT) *****	
	1-861-352-11	CD DOOR SW2 BOARD *****	
		< SWITCH >	
S332	1-771-821-11	SWITCH, PUSH (1 KEY) (CD/DVD DOOR LOCK DETECT) *****	
		CD MOTOR BOARD *****	
		< CAPACITOR >	
C303	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C305	1-126-964-11	ELECT 10uF 20% 50V	
		< CONNECTOR >	
CN309	1-779-554-21	CONNECTOR, FFC (LIF (NON-ZIF)) 17P	
CN312	1-569-906-11	SOCKET, CONNECTOR 11P	
CN313	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE) 3P	
CN314	1-785-328-11	PIN, CONNECTOR (LIGHT ANGLE) 2P	
		< IC >	
IC302	8-759-598-69	IC BA6956AN	
		< RESISTOR >	
R315	1-216-805-11	METAL CHIP 47 5% 1/10W	
R316	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R340	1-216-834-11	METAL CHIP 12K 5% 1/10W	

CENTER SW AMP

CLAMP MOTOR

Ref. No.	Part No.	Description	Remark
A-1061-999-A		CENTER SW AMP BOARD, COMPLETE (EXCEPT TH)	
A-1072-450-A		CENTER SW AMP BOARD, COMPLETE (TH) *****	
7-685-646-79		SCREW +BVTP 3X8 TYPE2 N-S	
		< CAPACITOR >	
C501	1-126-964-11	ELECT 10uF 20% 50V	
C502	1-162-290-31	CERAMIC 470PF 10% 50V	
C503	1-162-282-31	CERAMIC 100PF 10% 50V	
C504	1-126-965-11	ELECT 22uF 20% 50V	
C505	1-136-497-81	FILM 0.1uF 5% 50V	
C506	1-136-497-81	FILM 0.1uF 5% 50V	
C507	1-128-560-11	ELECT 22uF 20% 100V	
C508	1-128-560-11	ELECT 22uF 20% 100V	
C520	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C521	1-128-562-11	ELECT 47uF 20% 100V	
C551	1-126-964-11	ELECT 10uF 20% 50V	
C552	1-162-290-31	CERAMIC 470PF 10% 50V	
C553	1-162-282-31	CERAMIC 100PF 10% 50V	
C554	1-104-665-11	ELECT 100uF 20% 25V	
C555	1-136-497-81	FILM 0.1uF 5% 50V	
C556	1-136-497-81	FILM 0.1uF 5% 50V	
C591	1-130-777-00	MYLAR 0.1uF 5% 100V	
C592	1-130-777-00	MYLAR 0.1uF 5% 100V	
C593	1-135-632-51	ELECT 2200uF 20% 63V	
C594	1-135-632-51	ELECT 2200uF 20% 63V	
C921	1-130-483-00	MYLAR 0.01uF 5% 50V	
C922	1-130-483-00	MYLAR 0.01uF 5% 50V	
C923	1-126-955-11	ELECT 4700uF 20% 35V	
C925	1-126-964-11	ELECT 10uF 20% 50V	
C926	1-126-767-11	ELECT 1000uF 20% 16V	
C927	1-126-964-11	ELECT 10uF 20% 50V	
C928	1-126-926-11	ELECT 1000uF 20% 10V	
		< CONNECTOR >	
CN502	1-573-826-11	CONNECTOR, BOARD TO BOARD 12P	
CN503	1-573-827-11	CONNECTOR, BOARD TO BOARD 13P	
CN5001	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
		< DIODE >	
D501	8-719-991-33	DIODE 1SS133T-77	
D502	8-719-991-33	DIODE 1SS133T-77	
D551	8-719-991-33	DIODE 1SS133T-77	
D552	8-719-991-33	DIODE 1SS133T-77	
D591	6-500-249-01	DIODE D15XB20	
D921	8-719-028-23	DIODE D3SBA20-4101	
		< IC >	
IC501	8-749-017-16	IC STK442-130M	
		< TRANSISTOR >	
Q501	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q521	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q522	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q551	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q922	8-729-116-02	TRANSISTOR BA1A4M-TP	

Ref. No.	Part No.	Description	Remark
Q923	8-729-116-02	TRANSISTOR BA1A4M-TP	
		< RESISTOR >	
R501	1-249-417-11	CARBON 1K 5% 1/4W	
R502	1-249-437-11	CARBON 47K 5% 1/4W	
R503	1-249-414-11	CARBON 560 5% 1/4W	
R504	1-249-437-11	CARBON 47K 5% 1/4W	
△R505	1-245-233-11	METAL 0.22 10% 5W F	
△R506	1-245-233-11	METAL 0.22 10% 5W F	
R507	1-249-417-11	CARBON 1K 5% 1/4W	
R508	1-249-431-11	CARBON 15K 5% 1/4W	
R510	1-249-393-11	CARBON 10 5% 1/4W	
△R511	1-212-881-11	FUSIBLE 100 5% 1/4W F	
△R512	1-212-881-11	FUSIBLE 100 5% 1/4W F	
R519	1-247-863-11	CARBON 22K 5% 1/4W	
△R520	1-202-972-61	FUSIBLE 1 5% 1/4W F	
R521	1-249-421-11	CARBON 2.2K 5% 1/4W	
R522	1-249-433-11	CARBON 22K 5% 1/4W	
R523	1-249-439-11	CARBON 68K 5% 1/4W	
R524	1-249-426-11	CARBON 5.6K 5% 1/4W	
R525	1-249-421-11	CARBON 2.2K 5% 1/4W	
R526	1-249-421-11	CARBON 2.2K 5% 1/4W	
R551	1-249-417-11	CARBON 1K 5% 1/4W	
R552	1-249-437-11	CARBON 47K 5% 1/4W	
R553	1-249-415-11	CARBON 680 5% 1/4W	
R554	1-249-437-11	CARBON 47K 5% 1/4W	
△R555	1-245-233-11	METAL 0.22 10% 5W F	
△R556	1-245-233-11	METAL 0.22 10% 5W F	
R557	1-249-417-11	CARBON 1K 5% 1/4W	
R558	1-249-431-11	CARBON 15K 5% 1/4W	
R560	1-249-393-11	CARBON 10 5% 1/4W	
R591	1-249-441-11	CARBON 100K 5% 1/4W	
R592	1-249-441-11	CARBON 100K 5% 1/4W	
R921	1-247-807-31	CARBON 100 5% 1/4W	
R922	1-249-429-11	CARBON 10K 5% 1/4W	

	1-683-901-11	CLAMP MOTOR BOARD *****	
		< CAPACITOR >	
C701	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C702	1-126-964-11	ELECT 10uF 20% 50V	
C711	1-162-306-11	CERAMIC 0.01uF 20% 16V	
		< CONNECTOR >	
CN712	1-506-469-11	PIN, CONNECTOR 4P	
		< DIODE >	
D701	8-719-983-66	DIODE MTZJ-T-72-3.6B	
		< IC >	
IC701	8-759-598-69	IC BA6956AN	
		< RESISTOR >	
R701	1-249-411-11	CARBON 330 5% 1/4W	

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

HCD-FLX9W

CLAMP MOTOR						CONNECT			DIAT REG			DSP		
Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark			
R702	1-249-401-11	CARBON	47	5%	1/4W	C611	1-164-360-11	CERAMIC CHIP	0.1uF		16V			

	1-683-895-11	CONNECT BOARD				C612	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
		*****				C613	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V			
		< CONNECTOR >				C614	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
CN701	1-568-860-11	SOCKET, CONNECTOR 17P				C615	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
		< TRANSISTOR >				C616	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
Q701	8-729-029-66	TRANSISTOR	DTC114ESA			C617	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
		< RESISTOR >				C618	1-126-934-11	ELECT	220uF	20%	16V			
R707	1-249-421-11	CARBON	2.2K	5%	1/4W	C619	1-126-935-11	ELECT	470uF	20%	16V			
R708	1-249-417-11	CARBON	1K	5%	1/4W	C621	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
R709	1-249-429-11	CARBON	10K	5%	1/4W	C622	1-164-360-11	CERAMIC CHIP	0.1uF		16V			

		DIAT REG BOARD				C623	1-126-934-11	ELECT	220uF	20%	16V			
		*****				C633	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
		< CAPACITOR >				C634	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
C0001	1-126-952-11	ELECT	1000uF	20%	35V	C635	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V			
C0002	1-104-665-11	ELECT	100uF	20%	25V	C636	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V			
C0003	1-104-665-11	ELECT	100uF	20%	25V	C637	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
C0004	1-164-159-11	CERAMIC	0.1uF		50V	C638	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
C0005	1-164-159-11	CERAMIC	0.1uF		50V	C639	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
		< DIODE >				C640	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V			
D0001	6-500-522-11	DIODE	10EDB40-TA2B5			C641	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V			
D0002	6-500-522-11	DIODE	10EDB40-TA2B5			C642	1-164-360-11	CERAMIC CHIP	0.1uF		16V			(EA)
D0003	6-500-522-11	DIODE	10EDB40-TA2B5			C644	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
D004	6-500-522-11	DIODE	10EDB40-TA2B5			C645	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
		< IC >				C648	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V			
IC0001	8-759-701-59	IC	NJM78M09FA			C649	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V			
IC0002	8-759-231-53	IC	TA7805S			C650	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
		< RESISTOR >				C651	1-126-934-11	ELECT	220uF	20%	16V			
R0001	1-249-389-11	CARBON	4.7	5%	1/4W	C652	1-164-360-11	CERAMIC CHIP	0.1uF		16V			

	A-1061-996-A	DSP BOARD, COMPLETE			(EA)	C653	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
	A-1072-445-A	DSP BOARD, COMPLETE			(TH)	C654	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
	A-1077-535-A	DSP BOARD, COMPLETE			(E15, SP)	C655	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
		*****				C656	1-126-933-11	ELECT	100uF	20%	16V			
		< CAPACITOR >				C657	1-126-933-11	ELECT	100uF	20%	16V			
C600	1-127-888-11	CERAMIC	0.1uF	10%	50V	C659	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
					(EA)	C660	1-162-962-11	CERAMIC CHIP	470PF	10%	50V			
C601	1-164-360-11	CERAMIC CHIP	0.1uF		16V	C661	1-162-962-11	CERAMIC CHIP	470PF	10%	50V			
C602	1-164-360-11	CERAMIC CHIP	0.1uF		16V	C662	1-126-934-11	ELECT	220uF	20%	16V			
C603	1-164-360-11	CERAMIC CHIP	0.1uF		16V	C663	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
C604	1-164-360-11	CERAMIC CHIP	0.1uF		16V	C664	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
C606	1-164-360-11	CERAMIC CHIP	0.1uF		16V	C665	1-126-934-11	ELECT	220uF	20%	16V			
C607	1-164-360-11	CERAMIC CHIP	0.1uF		16V	C666	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
C608	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C668	1-126-934-11	ELECT	220uF	20%	16V			
C609	1-164-360-11	CERAMIC CHIP	0.1uF		16V	C671	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
C610	1-164-360-11	CERAMIC CHIP	0.1uF		16V	C672	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
		< CAPACITOR >				C673	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
						C689	1-126-933-11	ELECT	100uF	20%	16V			
						C690	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
						C697	1-164-360-11	CERAMIC CHIP	0.1uF		16V			(EA)
						C698	1-126-959-11	ELECT	0.47uF	20%	50V			
						C699	1-164-360-11	CERAMIC CHIP	0.1uF		16V			
						C701	1-126-964-11	ELECT	10uF	20%	50V			
						C702	1-162-960-11	CERAMIC CHIP	220PF	10%	50V			
						C703	1-126-964-11	ELECT	10uF	20%	50V			
						C704	1-162-960-11	CERAMIC CHIP	220PF	10%	50V			
						C705	1-162-962-11	CERAMIC CHIP	470PF	10%	50V			

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
			(EA)				
C708	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C786	1-164-360-11	CERAMIC CHIP	0.1uF 16V
C709	1-126-960-11	ELECT	1uF 20% 50V	C789	1-164-360-11	CERAMIC CHIP	0.1uF 16V
C710	1-126-964-11	ELECT	10uF 20% 50V	C791	1-126-934-11	ELECT	220uF 20% 16V
C711	1-126-964-11	ELECT	10uF 20% 50V	C792	1-164-360-11	CERAMIC CHIP	0.1uF 16V
				C793	1-126-964-11	ELECT	10uF 20% 50V
C712	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V				
C713	1-126-964-11	ELECT	10uF 20% 50V	C794	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
C714	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V				(EA)
C715	1-126-964-11	ELECT	10uF 20% 50V	C795	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
C716	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V				(EA)
						< CONNECTOR >	
C718	1-126-964-11	ELECT	10uF 20% 50V	CN601	1-569-928-11	SOCKET, CONNECTOR 11P	
C719	1-126-964-11	ELECT	10uF 20% 50V	CN602	1-784-780-11	CONNECTOR, FFC 19P	
C720	1-126-964-11	ELECT	10uF 20% 50V	CN603	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P	
C721	1-136-497-81	FILM	0.1uF 5% 50V	CN702	1-785-333-11	PIN, CONNECTOR (LIGHT ANGLE) 7P	
C722	1-136-497-81	FILM	0.1uF 5% 50V	CN703	1-785-335-11	PIN, CONNECTOR (LIGHT ANGLE) 9P	
						< DIODE >	
C723	1-126-964-11	ELECT	10uF 20% 50V	D601	6-500-522-21	DIODE 10EDB40-TB3	
C725	1-126-964-11	ELECT	10uF 20% 50V	D606	8-719-988-61	DIODE 1SS355TE-17	
C726	1-126-964-11	ELECT	10uF 20% 50V	D611	8-719-988-61	DIODE 1SS355TE-17	
C730	1-126-964-11	ELECT	10uF 20% 50V	D612	8-719-988-61	DIODE 1SS355TE-17	
C731	1-126-947-11	ELECT	47uF 20% 35V	D741	8-719-988-61	DIODE 1SS355TE-17	
C732	1-164-360-11	CERAMIC CHIP	0.1uF 16V				
			(EA)				
C733	1-126-947-11	ELECT	47uF 20% 35V	D742	8-719-988-61	DIODE 1SS355TE-17	
C734	1-164-360-11	CERAMIC CHIP	0.1uF 16V	D750	8-719-058-24	DIODE RB501V-40TE-17	
			(EA)	D751	8-719-058-24	DIODE RB501V-40TE-17	
C735	1-126-947-11	ELECT	47uF 20% 35V			< EARTH TERMINAL >	
C736	1-164-360-11	CERAMIC CHIP	0.1uF 16V				
			(EA)				
C741	1-164-360-11	CERAMIC CHIP	0.1uF 16V	EP601	1-537-738-21	TERMINAL, GROUND	
C743	1-164-360-11	CERAMIC CHIP	0.1uF 16V	EP602	1-537-738-21	TERMINAL, GROUND	
C747	1-126-960-11	ELECT	1uF 20% 50V			< SHORT/FERRITE BEAD >	
C748	1-164-360-11	CERAMIC CHIP	0.1uF 16V				
C749	1-164-360-11	CERAMIC CHIP	0.1uF 16V				
C751	1-126-964-11	ELECT	10uF 20% 50V	FB601	1-216-864-11	SHORT CHIP	0 (EXCEPT EA)
C752	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	FB601	1-414-772-11	FERRITE. EMI (SMD) (2012) (EA)	
C753	1-126-964-11	ELECT	10uF 20% 50V	FB602	1-414-772-11	FERRITE. EMI (SMD) (2012) (EA)	
C754	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	FB611	1-216-864-11	SHORT CHIP	0
C758	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	FB702	1-216-864-11	SHORT CHIP	0
C759	1-126-960-11	ELECT	1uF 20% 50V	FB703	1-216-864-11	SHORT CHIP	0
C760	1-126-964-11	ELECT	10uF 20% 50V	FB704	1-216-295-00	SHORT CHIP	0
C761	1-126-964-11	ELECT	10uF 20% 50V	FB708	1-216-864-11	SHORT CHIP	0 (EXCEPT TH)
C762	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	FB711	1-216-864-11	SHORT CHIP	0 (EXCEPT TH)
C763	1-126-964-11	ELECT	10uF 20% 50V			< IC >	
C764	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	IC601	6-702-009-01	IC CXD9720Q	
C765	1-126-964-11	ELECT	10uF 20% 50V	IC602	6-704-037-01	IC IC61LV6416-15TG	
C766	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	IC603	6-702-008-01	IC LC89057W-VF4-E	
C768	1-126-964-11	ELECT	10uF 20% 50V	IC604	8-759-549-07	IC SN74LV157APWR	
C769	1-126-964-11	ELECT	10uF 20% 50V	IC611	8-759-560-56	IC PCM1800E/2K	
C770	1-126-964-11	ELECT	10uF 20% 50V	IC612	6-703-787-01	IC PCM1609KPTR	
C771	1-136-497-81	FILM	0.1uF 5% 50V	IC621	8-749-019-26	IC TORX141 (OPTICAL DIGITAL IN)	
C772	1-136-497-81	FILM	0.1uF 5% 50V	IC622	8-749-019-25	IC TOTX141 (OPTICAL DIGITAL OUT)	
C773	1-126-964-11	ELECT	10uF 20% 50V	IC631	8-759-835-63	IC NJM2391DL1-26 (TE1)	
C775	1-126-964-11	ELECT	10uF 20% 50V	IC701	6-702-010-01	IC M61520FP	
C776	1-126-960-11	ELECT	1uF 20% 50V	IC702	8-759-448-71	IC BU4053BCFV-E2	
C781	1-126-934-11	ELECT	220uF 20% 16V	IC703	8-759-697-21	IC NJM4565V (TE2)	
C782	1-164-360-11	CERAMIC CHIP	0.1uF 16V	IC704	8-759-697-21	IC NJM4565V (TE2)	
			(EA)				
C783	1-126-933-11	ELECT	100uF 20% 16V				
C784	1-126-933-11	ELECT	100uF 20% 16V				

HCD-FLX9W

DSP

Ref. No.	Part No.	Description	Remark
		< JACK >	
J701	1-766-396-11	JACK, PIN 4P (VIDEO/SAT IN/OUT)	
		< RESISTOR/CAPACITOR/FERRITE >	
JR602	1-216-864-11	SHORT CHIP	0 (EXCEPT EA)
JR603	1-216-864-11	SHORT CHIP	0
JR604	1-216-864-11	SHORT CHIP	0
JR605	1-216-864-11	SHORT CHIP	0
JR615	1-216-864-11	SHORT CHIP	0
JR616	1-216-815-11	METAL CHIP	330 5% 1/10W
JR617	1-216-813-11	METAL CHIP	220 5% 1/10W
JR618	1-216-296-11	SHORT CHIP	0
JR621	1-216-864-11	SHORT CHIP	0
JR622	1-216-864-11	SHORT CHIP	0
JR623	1-216-864-11	SHORT CHIP	0
JR624	1-216-864-11	SHORT CHIP	0
JR625	1-216-864-11	SHORT CHIP	0
JR640	1-216-864-11	SHORT CHIP	0
JR644	1-216-864-11	SHORT CHIP	0
JR645	1-216-864-11	SHORT CHIP	0
JR646	1-216-864-11	SHORT CHIP	0
JR647	1-216-864-11	SHORT CHIP	0
JR651	1-216-864-11	SHORT CHIP	0
JR654	1-216-864-11	SHORT CHIP	0
JR655	1-216-864-11	SHORT CHIP	0
JR662	1-216-864-11	SHORT CHIP	0
JR663	1-216-864-11	SHORT CHIP	0
JR671	1-216-864-11	SHORT CHIP	0
JR672	1-216-864-11	SHORT CHIP	0
JR701	1-216-864-11	SHORT CHIP	0
JR702	1-216-864-11	SHORT CHIP	0
JR706	1-216-295-00	SHORT CHIP	0
JR707	1-164-360-11	CERAMIC CHIP	0.1uF 16V (EA)
JR708	1-216-864-11	SHORT CHIP	0 (TH)
JR709	1-216-864-11	SHORT CHIP	0 (EA)
JR710	1-216-864-11	SHORT CHIP	0 (EXCEPT EA)
JR710	1-414-772-11	FERRITE. EMI (SMD) (2012) (EA)	
JR711	1-216-864-11	SHORT CHIP	0 (TH)
JR712	1-216-864-11	SHORT CHIP	0 (EA)
JR741	1-216-864-11	SHORT CHIP	0
		< COIL >	
L701	1-414-170-11	INDUCTOR	100uH
L702	1-414-170-11	INDUCTOR	100uH
L703	1-414-170-11	INDUCTOR	100uH
L704	1-414-170-11	INDUCTOR	100uH
L751	1-414-170-11	INDUCTOR	100uH
L752	1-414-170-11	INDUCTOR	100uH
L753	1-414-170-11	INDUCTOR	100uH
L754	1-414-170-11	INDUCTOR	100uH
		< CONNECTOR >	
N0803	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE) 3P	

Ref. No.	Part No.	Description	Remark
		< TRANSISTOR >	
Q601	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q602	8-729-027-38	TRANSISTOR	DTA144EKA-T146
Q701	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q702	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
Q703	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
Q704	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
Q710	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q711	8-729-027-52	TRANSISTOR	DTC124EKA-T146
Q751	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q752	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
Q753	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
Q754	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
Q790	8-729-929-26	TRANSISTOR	DTC114TE
Q791	8-729-928-36	TRANSISTOR	DTA114EE
Q792	8-729-037-52	TRANSISTOR	2SD2216J-QR (TX).SO
Q793	8-729-037-52	TRANSISTOR	2SD2216J-QR (TX).SO
		< RESISTOR >	
R601	1-216-809-11	METAL CHIP	100 5% 1/10W
R603	1-216-864-11	SHORT CHIP	0
R605	1-216-809-11	METAL CHIP	100 5% 1/10W
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
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
R616	1-216-809-11	METAL CHIP	100 5% 1/10W
R617	1-216-809-11	METAL CHIP	100 5% 1/10W
R620	1-216-809-11	METAL CHIP	100 5% 1/10W
R621	1-216-809-11	METAL CHIP	100 5% 1/10W
R622	1-216-809-11	METAL CHIP	100 5% 1/10W
R623	1-216-817-11	METAL CHIP	470 5% 1/10W
R624	1-216-813-11	METAL CHIP	220 5% 1/10W
R625	1-216-809-11	METAL CHIP	100 5% 1/10W
R626	1-216-809-11	METAL CHIP	100 5% 1/10W
R627	1-216-809-11	METAL CHIP	100 5% 1/10W
R628	1-216-809-11	METAL CHIP	100 5% 1/10W
R629	1-216-857-11	METAL CHIP	1M 5% 1/10W
R630	1-216-815-11	METAL CHIP	330 5% 1/10W
R631	1-216-833-11	METAL CHIP	10K 5% 1/10W
R632	1-216-809-11	METAL CHIP	100 5% 1/10W
R633	1-216-833-11	METAL CHIP	10K 5% 1/10W
R634	1-216-833-11	METAL CHIP	10K 5% 1/10W
R635	1-216-809-11	METAL CHIP	100 5% 1/10W
R636	1-216-833-11	METAL CHIP	10K 5% 1/10W
R637	1-216-809-11	METAL CHIP	100 5% 1/10W
R638	1-216-833-11	METAL CHIP	10K 5% 1/10W
R639	1-216-809-11	METAL CHIP	100 5% 1/10W
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

Ref. No.	Part No.	Description	Quantity	Percentage	Remark	Ref. No.	Part No.	Description	Quantity	Percentage	Remark
R643	1-216-809-11	METAL CHIP	100	5%	1/10W	R734	1-216-833-11	METAL CHIP	10K	5%	1/10W
R651	1-216-809-11	METAL CHIP	100	5%	1/10W	R735	1-216-821-11	METAL CHIP	1K	5%	1/10W
R652	1-216-809-11	METAL CHIP	100	5%	1/10W	R737	1-216-833-11	METAL CHIP	10K	5%	1/10W
R653	1-216-809-11	METAL CHIP	100	5%	1/10W	R738	1-216-833-11	METAL CHIP	10K	5%	1/10W
R654	1-216-809-11	METAL CHIP	100	5%	1/10W	R740	1-216-835-11	METAL CHIP	15K	5%	1/10W
R655	1-216-809-11	METAL CHIP	100	5%	1/10W	R741	1-216-821-11	METAL CHIP	1K	5%	1/10W
R656	1-216-821-11	METAL CHIP	1K	5%	1/10W	R742	1-216-845-11	METAL CHIP	100K	5%	1/10W
R657	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R743	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R661	1-216-809-11	METAL CHIP	100	5%	1/10W	R744	1-216-833-11	METAL CHIP	10K	5%	1/10W
R662	1-216-817-11	METAL CHIP	470	5%	1/10W	R745	1-216-821-11	METAL CHIP	1K	5%	1/10W
R673	1-216-809-11	METAL CHIP	100	5%	1/10W	R746	1-216-833-11	METAL CHIP	10K	5%	1/10W
R676	1-216-809-11	METAL CHIP	100	5%	1/10W	R747	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R677	1-216-809-11	METAL CHIP	100	5%	1/10W	R750	1-216-864-11	SHORT CHIP	0		
R678	1-216-809-11	METAL CHIP	100	5%	1/10W	R751	1-216-821-11	METAL CHIP	1K	5%	1/10W
R679	1-216-809-11	METAL CHIP	100	5%	1/10W	R752	1-216-845-11	METAL CHIP	100K	5%	1/10W
R680	1-216-809-11	METAL CHIP	100	5%	1/10W	R753	1-216-821-11	METAL CHIP	1K	5%	1/10W
R681	1-216-809-11	METAL CHIP	100	5%	1/10W	R754	1-216-845-11	METAL CHIP	100K	5%	1/10W
R682	1-216-809-11	METAL CHIP	100	5%	1/10W	R755	1-216-821-11	METAL CHIP	1K	5%	1/10W
R683	1-216-809-11	METAL CHIP	100	5%	1/10W	R757	1-216-821-11	METAL CHIP	1K	5%	1/10W
R684	1-216-809-11	METAL CHIP	100	5%	1/10W	R759	1-216-821-11	METAL CHIP	1K	5%	1/10W
R685	1-216-809-11	METAL CHIP	100	5%	1/10W	R761	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R686	1-216-809-11	METAL CHIP	100	5%	1/10W	R762	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R689	1-216-809-11	METAL CHIP	100	5%	1/10W	R763	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R690	1-216-809-11	METAL CHIP	100	5%	1/10W	R764	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R691	1-216-809-11	METAL CHIP	100	5%	1/10W	R765	1-216-864-11	SHORT CHIP	0		
R692	1-216-809-11	METAL CHIP	100	5%	1/10W	R767	1-216-864-11	SHORT CHIP	0		
R693	1-216-809-11	METAL CHIP	100	5%	1/10W	R768	1-216-809-11	METAL CHIP	100	5%	1/10W
R694	1-216-845-11	METAL CHIP	100K	5%	1/10W	R769	1-216-841-11	METAL CHIP	47K	5%	1/10W
R695	1-216-845-11	METAL CHIP	100K	5%	1/10W	R770	1-216-839-11	METAL CHIP	33K	5%	1/10W
R699	1-216-864-11	SHORT CHIP	0			R772	1-216-841-11	METAL CHIP	47K	5%	1/10W
R701	1-216-821-11	METAL CHIP	1K	5%	1/10W	R773	1-216-846-11	METAL CHIP	120K	5%	1/10W
R702	1-216-845-11	METAL CHIP	100K	5%	1/10W	R774	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R703	1-216-821-11	METAL CHIP	1K	5%	1/10W	R775	1-216-833-11	METAL CHIP	10K	5%	1/10W
R704	1-216-845-11	METAL CHIP	100K	5%	1/10W	R776	1-216-835-11	METAL CHIP	15K	5%	1/10W
R705	1-216-821-11	METAL CHIP	1K	5%	1/10W	R777	1-216-821-11	METAL CHIP	1K	5%	1/10W
R707	1-216-821-11	METAL CHIP	1K	5%	1/10W	R779	1-216-833-11	METAL CHIP	10K	5%	1/10W
R709	1-216-821-11	METAL CHIP	1K	5%	1/10W	R780	1-216-833-11	METAL CHIP	10K	5%	1/10W
R710	1-216-821-11	METAL CHIP	1K	5%	1/10W	R781	1-216-821-11	METAL CHIP	1K	5%	1/10W
R711	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R783	1-216-833-11	METAL CHIP	10K	5%	1/10W
R712	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R784	1-216-833-11	METAL CHIP	10K	5%	1/10W
R713	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R785	1-216-821-11	METAL CHIP	1K	5%	1/10W
R714	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R787	1-216-833-11	METAL CHIP	10K	5%	1/10W
R715	1-216-864-11	SHORT CHIP	0			R788	1-216-833-11	METAL CHIP	10K	5%	1/10W
R717	1-216-864-11	SHORT CHIP	0			R790	1-216-833-11	METAL CHIP	10K	5%	1/10W
R718	1-216-833-11	METAL CHIP	10K	5%	1/10W	R791	1-216-837-11	METAL CHIP	22K	5%	1/10W
R719	1-216-857-11	METAL CHIP	1M	5%	1/10W	R792	1-216-841-11	METAL CHIP	47K	5%	1/10W
R720	1-216-839-11	METAL CHIP	33K	5%	1/10W	R793	1-216-833-11	METAL CHIP	10K	5%	1/10W
R722	1-216-841-11	METAL CHIP	47K	5%	1/10W	R794	1-216-833-11	METAL CHIP	10K	5%	1/10W
R723	1-216-846-11	METAL CHIP	120K	5%	1/10W			< VIBRATOR >			
R724	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	X601	1-795-662-21	VIBRATOR, CERAMIC (13MHz)			
R725	1-216-833-11	METAL CHIP	10K	5%	1/10W	X602	1-795-126-21	VIBRATOR, CRYSTAL (12.228MHz)			
R726	1-216-835-11	METAL CHIP	15K	5%	1/10W			*****			
R727	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R729	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R730	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R731	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R733	1-216-833-11	METAL CHIP	10K	5%	1/10W						

HCD-FLX9W

FRONT REAR AMP

Ref. No.	Part No.	Description	Remark
A-4728-418-A		FRONT REAR AMP BOARD, COMPLETE (TH)	
A-4730-385-A		FRONT REAR AMP BOARD, COMPLETE (EXCEPT TH)	

7-685-646-79		SCREW +BVTP 3X8 TYPE2 N-S	
< CAPACITOR >			
C401	1-126-964-11	ELECT 10uF 20%	50V
C402	1-162-290-31	CERAMIC 470PF 10%	50V
C403	1-162-282-31	CERAMIC 100PF 10%	50V
C404	1-126-947-11	ELECT 47uF 20%	35V
C405	1-136-497-81	FILM 0.1uF 5%	50V
C406	1-136-497-81	FILM 0.1uF 5%	50V
C407	1-126-965-11	ELECT 22uF 20%	50V
C408	1-126-965-11	ELECT 22uF 20%	50V
C420	1-162-294-31	CERAMIC 0.001uF 10%	50V
C421	1-126-967-11	ELECT 47uF 20%	50V
C422	1-126-967-11	ELECT 47uF 20%	50V
C431	1-126-964-11	ELECT 10uF 20%	50V
C432	1-162-290-31	CERAMIC 470PF 10%	50V
C433	1-162-282-31	CERAMIC 100PF 10%	50V
C434	1-126-947-11	ELECT 47uF 20%	35V
C435	1-136-497-81	FILM 0.1uF 5%	50V
C436	1-136-497-81	FILM 0.1uF 5%	50V
C451	1-126-964-11	ELECT 10uF 20%	50V
C452	1-162-290-31	CERAMIC 470PF 10%	50V
C453	1-162-282-31	CERAMIC 100PF 10%	50V
C454	1-126-947-11	ELECT 47uF 20%	35V
C455	1-136-497-81	FILM 0.1uF 5%	50V
C456	1-136-497-81	FILM 0.1uF 5%	50V
C457	1-126-965-11	ELECT 22uF 20%	50V
C458	1-126-965-11	ELECT 22uF 20%	50V
C470	1-162-294-31	CERAMIC 0.001uF 10%	50V
C471	1-126-967-11	ELECT 47uF 20%	50V
C481	1-126-964-11	ELECT 10uF 20%	50V
C482	1-162-290-31	CERAMIC 470PF 10%	50V
C483	1-162-282-31	CERAMIC 100PF 10%	50V
C484	1-126-947-11	ELECT 47uF 20%	35V
C485	1-136-497-81	FILM 0.1uF 5%	50V
C486	1-136-497-81	FILM 0.1uF 5%	50V
C491	1-164-159-11	CERAMIC 0.1uF 50V	
C492	1-164-159-11	CERAMIC 0.1uF 50V	
C493	1-128-550-11	ELECT 2200uF 20%	50V
C494	1-128-550-11	ELECT 2200uF 20%	50V
< CONNECTOR >			
CN402	1-774-743-21	CONNECTOR, BOARD TO BOARD 18P	
< DIODE >			
D401	8-719-991-33	DIODE 1SS133T-77	
D402	8-719-991-33	DIODE 1SS133T-77	
D421	8-719-991-33	DIODE 1SS133T-77	
D431	8-719-991-33	DIODE 1SS133T-77	
D432	8-719-991-33	DIODE 1SS133T-77	
D451	8-719-991-33	DIODE 1SS133T-77	
D452	8-719-991-33	DIODE 1SS133T-77	
D481	8-719-991-33	DIODE 1SS133T-77	

Ref. No.	Part No.	Description	Remark
D482	8-719-991-33	DIODE 1SS133T-77	
D491	6-500-249-01	DIODE D15XB20	
< IC >			
IC401	8-749-016-93	IC STK402-070S	
IC431	8-749-016-93	IC STK402-070S	
< TRANSISTOR >			
Q401	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q419	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q420	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q421	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q422	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q423	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q431	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q451	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q471	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q472	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q481	8-729-119-78	TRANSISTOR 2SC2785-HFE	
< RESISTOR >			
R401	1-249-417-11	CARBON 1K 5%	1/4W
R402	1-249-437-11	CARBON 47K 5%	1/4W
R403	1-249-413-11	CARBON 470 5%	1/4W
R404	1-249-437-11	CARBON 47K 5%	1/4W
△R405	1-208-602-11	METAL 0.22	2W F
△R406	1-208-602-11	METAL 0.22	2W F
R407	1-249-417-11	CARBON 1K 5%	1/4W
R408	1-249-431-11	CARBON 15K 5%	1/4W
R410	1-249-393-11	CARBON 10 5%	1/4W
△R411	1-212-881-11	FUSIBLE 100 5%	1/4W F
△R412	1-212-881-11	FUSIBLE 100 5%	1/4W F
R416	1-249-441-11	CARBON 100K 5%	1/4W
R417	1-249-441-11	CARBON 100K 5%	1/4W
R418	1-249-440-11	CARBON 82K 5%	1/4W
R419	1-249-429-11	CARBON 10K 5%	1/4W
△R420	1-202-972-61	FUSIBLE 1 5%	1/4W F
R421	1-249-421-11	CARBON 2.2K 5%	1/4W
R422	1-249-433-11	CARBON 22K 5%	1/4W
R423	1-249-439-11	CARBON 68K 5%	1/4W
R424	1-249-426-11	CARBON 5.6K 5%	1/4W
R425	1-249-421-11	CARBON 2.2K 5%	1/4W
R426	1-249-421-11	CARBON 2.2K 5%	1/4W
R427	1-249-435-11	CARBON 33K 5%	1/4W
R428	1-249-431-11	CARBON 15K 5%	1/4W
R431	1-249-417-11	CARBON 1K 5%	1/4W
R432	1-249-437-11	CARBON 47K 5%	1/4W
R433	1-249-415-11	CARBON 680 5%	1/4W
R434	1-249-437-11	CARBON 47K 5%	1/4W
△R435	1-208-602-11	METAL 0.22	2W F
△R436	1-208-602-11	METAL 0.22	2W F
R437	1-249-417-11	CARBON 1K 5%	1/4W
R438	1-249-433-11	CARBON 22K 5%	1/4W
R440	1-249-393-11	CARBON 10 5%	1/4W
R451	1-249-417-11	CARBON 1K 5%	1/4W
R452	1-249-437-11	CARBON 47K 5%	1/4W
R453	1-249-413-11	CARBON 470 5%	1/4W

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

FRONT REAR AMP

GC

Ref. No.	Part No.	Description	Remark
R454	1-249-437-11	CARBON	47K 5% 1/4W
△ R455	1-208-602-11	METAL	0.22 2W F
△ R456	1-208-602-11	METAL	0.22 2W F
R457	1-249-417-11	CARBON	1K 5% 1/4W
R458	1-249-431-11	CARBON	15K 5% 1/4W
R460	1-249-393-11	CARBON	10 5% 1/4W
△ R461	1-212-881-11	FUSIBLE	100 5% 1/4W F
△ R462	1-212-881-11	FUSIBLE	100 5% 1/4W F
R469	1-249-429-11	CARBON	10K 5% 1/4W
△ R470	1-202-972-61	FUSIBLE	1 5% 1/4W F
R471	1-249-421-11	CARBON	2.2K 5% 1/4W
R472	1-249-433-11	CARBON	22K 5% 1/4W
R473	1-249-439-11	CARBON	68K 5% 1/4W
R474	1-249-426-11	CARBON	5.6K 5% 1/4W
R475	1-249-421-11	CARBON	2.2K 5% 1/4W
R476	1-249-421-11	CARBON	2.2K 5% 1/4W
R481	1-249-417-11	CARBON	1K 5% 1/4W
R482	1-249-437-11	CARBON	47K 5% 1/4W
R483	1-249-415-11	CARBON	680 5% 1/4W
R484	1-249-437-11	CARBON	47K 5% 1/4W
△ R485	1-208-602-11	METAL	0.22 2W F
△ R486	1-208-602-11	METAL	0.22 2W F
R487	1-249-417-11	CARBON	1K 5% 1/4W
R488	1-249-433-11	CARBON	22K 5% 1/4W
R490	1-249-393-11	CARBON	10 5% 1/4W
TH401	1-807-796-11	THERMISTOR	

A-4750-816-A	GC BOARD, COMPLETE (EXCEPT TH)		
A-4753-591-A	GC BOARD, COMPLETE (TH)		

4-238-986-01	HOLDER (FL)		
< CAPACITOR >			
C201	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C202	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C203	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C204	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C205	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C206	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C207	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C208	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C209	1-126-964-11	ELECT	10uF 20% 50V
C210	1-126-964-11	ELECT	10uF 20% 50V
C211	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C212	1-126-963-11	ELECT	4.7uF 20% 50V
C213	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C218	1-126-964-11	ELECT	10uF 20% 50V
C219	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C221	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C223	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C241	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
C243	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
C248	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C250	1-164-156-11	CERAMIC CHIP	0.1uF 25V

Ref. No.	Part No.	Description	Remark
C251	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C260	1-162-953-11	CERAMIC CHIP	100PF 5% 50V
C261	1-162-953-11	CERAMIC CHIP	100PF 5% 50V
C262	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C277	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C281	1-126-916-11	ELECT	1000uF 20% 6.3V
C282	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C285	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C286	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C287	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C288	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C289	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C290	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C291	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C292	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C293	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C294	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C295	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C296	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C297	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C298	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C299	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
C300	1-164-362-11	CERAMIC CHIP	470PF 5% 50V
< CONNECTOR >			
CN201	1-785-335-11	PIN, CONNECTOR (LIGHT ANGLE) 9P	
* CN202	1-568-862-11	SOCKET, CONNECTOR 19P	
CN203	1-785-331-11	PIN, CONNECTOR (LIGHT ANGLE) 5P	
CN204	1-568-860-11	SOCKET, CONNECTOR 17P	
CN206	1-779-554-21	CONNECTOR, FFC (LIF (NON-ZIF)) 17P	
CN207	1-785-331-11	PIN, CONNECTOR (LIGHT ANGLE) 5P	
CN208	1-785-332-11	PIN, CONNECTOR (LIGHT ANGLE) 6P	
< DIODE >			
D201	8-719-988-61	DIODE 1SS355TE-17	
D202	8-719-069-29	DIODE RB520S-30TE61	
D203	6-500-522-31	DIODE 10EDB40-TB5	
D204	8-719-988-61	DIODE 1SS355TE-17	
< EARTH TERMINAL >			
* EP201	1-537-738-21	TERMINAL, EARTH	
* EP202	1-537-738-21	TERMINAL, EARTH	
< SHORT >			
FB201	1-216-864-11	SHORT CHIP	0
FB202	1-216-864-11	SHORT CHIP	0
FB284	1-216-864-11	SHORT CHIP	0
< FLUORESCENT INDICATOR >			
FL201	1-518-975-11	INDICATOR TUBE, FLUORESCENT	
< IC >			
IC201	6-804-609-01	IC MB90M407PF-G-143-BNDE1	
IC202	6-703-679-11	IC PT8300R-TP	
< SHORT >			
JR201	1-216-864-11	SHORT CHIP	0

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

HCD-FLX9W

GC I/F

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
JR202	1-216-864-11	SHORT CHIP	0	R235	1-216-809-11	METAL CHIP	100 5% 1/10W
JR203	1-216-864-11	SHORT CHIP	0	R236	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
JR204	1-216-864-11	SHORT CHIP	0	R237	1-216-837-11	METAL CHIP	22K 5% 1/10W
JR205	1-216-864-11	SHORT CHIP	0	R239	1-216-837-11	METAL CHIP	22K 5% 1/10W
				R240	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
JR206	1-216-864-11	SHORT CHIP	0	R241	1-216-833-11	METAL CHIP	10K 5% 1/10W
JR207	1-216-864-11	SHORT CHIP	0	R242	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
JR208	1-216-864-11	SHORT CHIP	0	R243	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
JR209	1-216-864-11	SHORT CHIP	0	R244	1-216-821-11	METAL CHIP	1K 5% 1/10W
JR211	1-216-864-11	SHORT CHIP	0	R245	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
JR212	1-216-864-11	SHORT CHIP	0	R246	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
JR213	1-216-864-11	SHORT CHIP	0	R247	1-216-821-11	METAL CHIP	1K 5% 1/10W
		< TRANSISTOR >		R249	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q201	8-729-029-94	TRANSISTOR	DTC143TSA	R250	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q202	8-729-029-94	TRANSISTOR	DTC143TSA	R251	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q203	8-729-119-78	TRANSISTOR	2SC2785-HFE	R256	1-216-809-11	METAL CHIP	100 5% 1/10W
Q204	8-729-119-78	TRANSISTOR	2SC2785-HFE	R257	1-216-809-11	METAL CHIP	100 5% 1/10W
Q205	8-729-119-78	TRANSISTOR	2SC2785-HFE	R258	1-216-809-11	METAL CHIP	100 5% 1/10W
Q206	8-729-119-78	TRANSISTOR	2SC2785-HFE	R259	1-216-809-11	METAL CHIP	100 5% 1/10W
Q207	8-729-116-02	TRANSISTOR	BA1A4M-TP	R260	1-216-809-11	METAL CHIP	100 5% 1/10W
Q208	8-729-119-76	TRANSISTOR	2SA1175-HFE	R261	1-216-809-11	METAL CHIP	100 5% 1/10W
Q209	8-729-119-76	TRANSISTOR	2SA1175-HFE	R264	1-216-817-11	METAL CHIP	470 5% 1/10W
Q210	8-729-422-57	TRANSISTOR	UN4111	R265	1-216-817-11	METAL CHIP	470 5% 1/10W
Q211	8-729-116-02	TRANSISTOR	BA1A4M-TP	R266	1-216-817-11	METAL CHIP	470 5% 1/10W
Q212	8-729-119-78	TRANSISTOR	2SC2785-HFE	R267	1-216-809-11	METAL CHIP	100 5% 1/10W
Q213	8-729-116-02	TRANSISTOR	BA1A4M-TP	R268	1-216-809-11	METAL CHIP	100 5% 1/10W
Q214	8-729-140-04	TRANSISTOR	2SB1116A-L	R269	1-216-809-11	METAL CHIP	100 5% 1/10W
Q215	8-729-116-02	TRANSISTOR	BA1A4M-TP	R270	1-216-809-11	METAL CHIP	100 5% 1/10W
Q216	8-729-140-04	TRANSISTOR	2SB1116A-L	R271	1-216-809-11	METAL CHIP	100 5% 1/10W
Q217	8-729-116-02	TRANSISTOR	BA1A4M-TP	R272	1-216-809-11	METAL CHIP	100 5% 1/10W
		< RESISTOR >		R273	1-216-809-11	METAL CHIP	100 5% 1/10W
R201	1-216-821-11	METAL CHIP	1K 5% 1/10W	R274	1-216-809-11	METAL CHIP	100 5% 1/10W
R202	1-216-821-11	METAL CHIP	1K 5% 1/10W	R275	1-216-809-11	METAL CHIP	100 5% 1/10W
R203	1-216-821-11	METAL CHIP	1K 5% 1/10W	R276	1-216-809-11	METAL CHIP	100 5% 1/10W
R204	1-216-821-11	METAL CHIP	1K 5% 1/10W	R277	1-216-809-11	METAL CHIP	100 5% 1/10W
R211	1-216-833-11	METAL CHIP	10K 5% 1/10W	R278	1-216-809-11	METAL CHIP	100 5% 1/10W
R212	1-216-833-11	METAL CHIP	10K 5% 1/10W	R279	1-216-809-11	METAL CHIP	100 5% 1/10W
R213	1-216-833-11	METAL CHIP	10K 5% 1/10W	R280	1-216-809-11	METAL CHIP	100 5% 1/10W
R214	1-216-835-11	METAL CHIP	15K 5% 1/10W	R281	1-216-845-11	METAL CHIP	100K 5% 1/10W
R215	1-216-835-11	METAL CHIP	15K 5% 1/10W	R282	1-216-845-11	METAL CHIP	100K 5% 1/10W
R216	1-216-835-11	METAL CHIP	15K 5% 1/10W	R285	1-216-864-11	SHORT CHIP	0
R217	1-216-833-11	METAL CHIP	10K 5% 1/10W	R286	1-216-833-11	METAL CHIP	10K 5% 1/10W
R218	1-216-833-11	METAL CHIP	10K 5% 1/10W	R287	1-216-833-11	METAL CHIP	10K 5% 1/10W
R219	1-216-833-11	METAL CHIP	10K 5% 1/10W	R288	1-216-833-11	METAL CHIP	10K 5% 1/10W
R220	1-216-833-11	METAL CHIP	10K 5% 1/10W	R289	1-216-833-11	METAL CHIP	10K 5% 1/10W
R221	1-216-833-11	METAL CHIP	10K 5% 1/10W	R290	1-216-833-11	METAL CHIP	10K 5% 1/10W
R222	1-216-833-11	METAL CHIP	10K 5% 1/10W	R299	1-216-864-11	SHORT CHIP	0
R223	1-216-833-11	METAL CHIP	10K 5% 1/10W			< VIBRATOR >	
R224	1-216-833-11	METAL CHIP	10K 5% 1/10W	X201	1-577-358-21	VIBRATOR, CERAMIC (4MHz)	
R225	1-216-845-11	METAL CHIP	100K 5% 1/10W	*****			
R226	1-216-833-11	METAL CHIP	10K 5% 1/10W				
R227	1-216-833-11	METAL CHIP	10K 5% 1/10W				
R231	1-216-809-11	METAL CHIP	100 5% 1/10W	A-1062-002-A	I/F BOARD (EXCEPT TH)		
R232	1-216-809-11	METAL CHIP	100 5% 1/10W	A-1072-452-A	I/F BOARD (TH)		
R233	1-216-809-11	METAL CHIP	100 5% 1/10W	*****			
R234	1-216-809-11	METAL CHIP	100 5% 1/10W			< CAPACITOR >	
				C0006	1-162-286-31	CERAMIC	220PF 10% 50V

HCD-FLX9W

MB

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C261	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C547	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C262	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C548	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C263	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C551	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V
C264	1-117-370-11	CERAMIC CHIP	10uF	10V	C553	1-164-940-11	CERAMIC CHIP 0.0033uF 10% 16V
C265	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C556	1-117-370-11	CERAMIC CHIP 10uF 10V
C266	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C558	1-126-209-11	ELECT CHIP 100uF 20% 4V
C267	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C559	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C268	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C560	1-164-938-11	CERAMIC CHIP 0.0015uF 10% 50V
C269	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C561	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C270	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C563	1-164-874-11	CERAMIC CHIP 100PF 5% 50V
C271	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C565	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C274	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C567	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C314	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C568	1-117-370-11	CERAMIC CHIP 10uF 10V
C315	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C569	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C355	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C570	1-117-370-11	CERAMIC CHIP 10uF 10V
C356	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C573	1-164-874-11	CERAMIC CHIP 100PF 5% 50V
C401	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C588	1-164-939-11	CERAMIC CHIP 0.0022uF 10% 50V
C402	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C589	1-164-939-11	CERAMIC CHIP 0.0022uF 10% 50V
C403	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C590	1-164-939-11	CERAMIC CHIP 0.0022uF 10% 50V
C404	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C592	1-124-779-00	ELECT CHIP 10uF 20% 16V
C405	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C701	1-126-209-11	ELECT CHIP 100uF 20% 4V
C406	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C702	1-117-370-11	CERAMIC CHIP 10uF 10V
C408	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C703	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C409	1-117-370-11	CERAMIC CHIP	10uF	10V	C705	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C410	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C706	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C411	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C708	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C412	1-126-209-11	ELECT CHIP	100uF 20%	4V	C709	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C413	1-164-943-11	CERAMIC CHIP	0.01uF 10%	16V	C711	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C501	1-164-943-11	CERAMIC CHIP	0.01uF 10%	16V	C712	1-164-874-11	CERAMIC CHIP 100PF 5% 50V
C502	1-164-943-11	CERAMIC CHIP	0.01uF 10%	16V	C713	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C503	1-127-772-11	CERAMIC CHIP	33000PF 10%	10V	C714	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C504	1-127-772-11	CERAMIC CHIP	33000PF 10%	10V	C715	1-164-938-11	CERAMIC CHIP 0.0015uF 10% 50V
C506	1-164-934-11	CERAMIC CHIP	330PF 10%	50V	C716	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V
C508	1-164-937-11	CERAMIC CHIP	0.001uF 10%	50V	C717	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C509	1-164-934-11	CERAMIC CHIP	330PF 10%	50V	C718	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C510	1-164-937-11	CERAMIC CHIP	0.001uF 10%	50V	C720	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C512	1-164-943-11	CERAMIC CHIP	0.01uF 10%	16V	C721	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C514	1-164-943-11	CERAMIC CHIP	0.01uF 10%	16V	C722	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C516	1-164-939-11	CERAMIC CHIP	0.0022uF 10%	50V	C723	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C517	1-117-370-11	CERAMIC CHIP	10uF	10V	C724	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C518	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C725	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C519	1-164-943-11	CERAMIC CHIP	0.01uF 10%	16V	C726	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C521	1-164-938-11	CERAMIC CHIP	0.0015uF 10%	50V	C727	1-117-370-11	CERAMIC CHIP 10uF 10V
C522	1-125-777-11	CERAMIC CHIP	0.1uF 10%	10V	C728	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C523	1-164-938-11	CERAMIC CHIP	0.0015uF 10%	50V	C729	1-117-370-11	CERAMIC CHIP 10uF 10V
C525	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C730	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C526	1-126-395-11	ELECT CHIP	22uF 20%	16V	C740	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C527	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C741	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C528	1-126-395-11	ELECT CHIP	22uF 20%	16V	C742	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C529	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C743	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C531	1-119-923-11	CERAMIC CHIP	0.047uF 10%	10V	C744	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C533	1-164-939-11	CERAMIC CHIP	0.0022uF 10%	50V	C745	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C534	1-107-819-11	CERAMIC CHIP	0.022uF 10%	16V	C752	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C535	1-164-939-11	CERAMIC CHIP	0.0022uF 10%	50V	C760	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C543	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C761	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C544	1-125-777-11	CERAMIC CHIP	0.1uF 10%	10V	C762	1-107-820-11	CERAMIC CHIP 0.1uF 16V
C545	1-117-370-11	CERAMIC CHIP	10uF	10V	C763	1-107-820-11	CERAMIC CHIP 0.1uF 16V
					C764	1-107-820-11	CERAMIC CHIP 0.1uF 16V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
C765	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C865	1-164-947-11	CERAMIC CHIP	0.01uF	50V		
C766	1-164-874-11	CERAMIC CHIP	100PF	5%	50V	C866	1-164-947-11	CERAMIC CHIP	0.01uF	50V	
C767	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C867	1-164-947-11	CERAMIC CHIP	0.01uF	50V		
C768	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C870	1-127-772-11	CERAMIC CHIP	33000PF	10%	10V	
C769	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C871	1-164-947-11	CERAMIC CHIP	0.01uF	50V		
C770	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C901	1-126-209-11	ELECT CHIP	100uF	20%	4V	
C771	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V	C902	1-164-947-11	CERAMIC CHIP	0.01uF	50V	
C772	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C903	1-126-209-11	ELECT CHIP	100uF	20%	4V	
C773	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	C904	1-164-947-11	CERAMIC CHIP	0.01uF	50V	
C774	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V	C905	1-164-947-11	CERAMIC CHIP	0.01uF	50V	
C775	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C906	1-164-947-11	CERAMIC CHIP	0.01uF	50V		
C776	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C907	1-164-947-11	CERAMIC CHIP	0.01uF	50V		
C777	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C908	1-164-874-11	CERAMIC CHIP	100PF	5%	50V	
C778	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C909	1-164-874-11	CERAMIC CHIP	100PF	5%	50V	
C779	1-117-370-11	CERAMIC CHIP	10uF	10V	C910	1-164-947-11	CERAMIC CHIP	0.01uF	50V		
C780	1-117-370-11	CERAMIC CHIP	10uF	10V	C913	1-127-772-11	CERAMIC CHIP	33000PF	10%	10V	
C781	1-126-209-11	ELECT CHIP	100uF	20%	4V	C914	1-164-849-11	CERAMIC CHIP	9PF	0.5PF	50V
C791	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C915	1-164-849-11	CERAMIC CHIP	9PF	0.5PF	50V
C793	1-126-246-11	ELECT CHIP	220uF	20%	4V	C916	1-126-209-11	ELECT CHIP	100uF	20%	4V
C795	1-117-370-11	CERAMIC CHIP	10uF	10V	C917	1-164-947-11	CERAMIC CHIP	0.01uF	50V		
C796	1-107-820-11	CERAMIC CHIP	0.1uF	16V	C918	1-164-947-11	CERAMIC CHIP	0.01uF	50V		
C797	1-126-209-11	ELECT CHIP	100uF	20%	4V	C924	1-164-947-11	CERAMIC CHIP	0.01uF	50V	
C800	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C925	1-126-395-11	ELECT CHIP	22uF	20%	16V	
C802	1-117-370-11	CERAMIC CHIP	10uF	10V	C926	1-126-246-11	ELECT CHIP	220uF	20%	4V	
C803	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C927	1-164-947-11	CERAMIC CHIP	0.01uF	50V		
C804	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C928	1-117-370-11	CERAMIC CHIP	10uF	10V		
C807	1-164-947-11	CERAMIC CHIP	0.01uF	50V	C961	1-127-772-11	CERAMIC CHIP	33000PF	10%	10V	
C808	1-164-874-11	CERAMIC CHIP	100PF	5%	50V			< CONNECTOR >			
C809	1-117-370-11	CERAMIC CHIP	10uF	10V	CN204	1-784-376-11	CONNECTOR, FFC/FPC 17P				
C810	1-164-947-11	CERAMIC CHIP	0.01uF	50V	CN401	1-784-368-11	CONNECTOR, FFC/FPC 9P				
C811	1-164-947-11	CERAMIC CHIP	0.01uF	50V	CN501	1-784-836-21	CONNECTOR, FFC (LIF (NON-ZIF)) 29P				
C812	1-164-947-11	CERAMIC CHIP	0.01uF	50V	CN901	1-764-177-11	PIN, CONNECTOR (SMD) (1.5mm) 7P				
C813	1-164-947-11	CERAMIC CHIP	0.01uF	50V	CN905	1-794-032-21	PIN, CONNECTOR (PC BOARD) 11P				
C815	1-164-947-11	CERAMIC CHIP	0.01uF	50V	CN907	1-793-989-21	FFC/CONNECTOR, FPC (LIF (NON-ZIF)) 13P				
C817	1-164-947-11	CERAMIC CHIP	0.01uF	50V			< DIODE >				
C818	1-164-947-11	CERAMIC CHIP	0.01uF	50V	D201	8-719-988-61	DIODE 1SS355TE-17				
C819	1-164-947-11	CERAMIC CHIP	0.01uF	50V	D901	8-719-988-61	DIODE 1SS355TE-17				
C837	1-164-947-11	CERAMIC CHIP	0.01uF	50V			< FERRITE BEAD >				
C838	1-164-947-11	CERAMIC CHIP	0.01uF	50V	FB901	1-500-284-21	INDUCTOR, FERRITE BEAD				
C839	1-164-947-11	CERAMIC CHIP	0.01uF	50V			< FLUORESCENT INDICATOR >				
C840	1-117-370-11	CERAMIC CHIP	10uF	10V	FL202	1-234-177-21	FILTER, CHIP EMI				
C841	1-117-370-11	CERAMIC CHIP	10uF	10V	FL203	1-234-177-21	FILTER, CHIP EMI				
C842	1-164-947-11	CERAMIC CHIP	0.01uF	50V	FL204	1-234-177-21	FILTER, CHIP EMI				
C843	1-164-947-11	CERAMIC CHIP	0.01uF	50V	FL205	1-234-177-21	FILTER, CHIP EMI				
C844	1-164-947-11	CERAMIC CHIP	0.01uF	50V	FL401	1-234-177-21	FILTER, CHIP EMI				
C845	1-126-209-11	ELECT CHIP	100uF	20%	4V	FL402	1-234-177-21	FILTER, CHIP EMI			
C848	1-164-947-11	CERAMIC CHIP	0.01uF	50V	FL501	1-234-177-21	FILTER, CHIP EMI				
C849	1-164-947-11	CERAMIC CHIP	0.01uF	50V	FL502	1-234-177-21	FILTER, CHIP EMI				
C854	1-164-947-11	CERAMIC CHIP	0.01uF	50V	FL701	1-234-177-21	FILTER, CHIP EMI				
C855	1-164-947-11	CERAMIC CHIP	0.01uF	50V	FL702	1-234-177-21	FILTER, CHIP EMI				
C856	1-164-947-11	CERAMIC CHIP	0.01uF	50V	FL703	1-234-177-21	FILTER, CHIP EMI				
C857	1-164-947-11	CERAMIC CHIP	0.01uF	50V	FL704	1-234-177-21	FILTER, CHIP EMI				
C858	1-126-209-11	ELECT CHIP	100uF	20%	4V	FL705	1-234-177-21	FILTER, CHIP EMI			
C860	1-164-947-11	CERAMIC CHIP	0.01uF	50V							
C861	1-164-947-11	CERAMIC CHIP	0.01uF	50V							
C862	1-164-947-11	CERAMIC CHIP	0.01uF	50V							
C864	1-117-370-11	CERAMIC CHIP	10uF	10V							

HCD-FLX9W

MB

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
FL706	1-234-177-21	FILTER, CHIP EMI		R213	1-218-990-11	SHORT CHIP	0
FL803	1-234-177-21	FILTER, CHIP EMI		R214	1-218-990-11	SHORT CHIP	0
FL807	1-234-177-21	FILTER, CHIP EMI		R215	1-218-935-11	RES-CHIP	33 5% 1/16W
FL809	1-234-177-21	FILTER, CHIP EMI		R216	1-218-935-11	RES-CHIP	33 5% 1/16W
FL810	1-234-177-21	FILTER, CHIP EMI		R217	1-218-935-11	RES-CHIP	33 5% 1/16W
FL811	1-234-177-21	FILTER, CHIP EMI		R218	1-218-935-11	RES-CHIP	33 5% 1/16W
FL812	1-234-177-21	FILTER, CHIP EMI		R219	1-218-935-11	RES-CHIP	33 5% 1/16W
FL813	1-234-177-21	FILTER, CHIP EMI		R220	1-218-935-11	RES-CHIP	33 5% 1/16W
FL815	1-234-177-21	FILTER, CHIP EMI		R221	1-218-935-11	RES-CHIP	33 5% 1/16W
FL901	1-234-177-21	FILTER, CHIP EMI		R222	1-218-935-11	RES-CHIP	33 5% 1/16W
FL908	1-234-177-21	FILTER, CHIP EMI		R223	1-218-935-11	RES-CHIP	33 5% 1/16W
		< IC >		R224	1-218-935-11	RES-CHIP	33 5% 1/16W
				R225	1-218-935-11	RES-CHIP	33 5% 1/16W
IC202	6-702-368-11	IC MT48LC4M32B2P-7-Y15W		R226	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
* IC203	6-703-671-01	IC BR9040F-WE2		R227	1-218-935-11	RES-CHIP	33 5% 1/16W
IC204	6-804-424-01	IC MR27V3202F-12MTP04B9		R228	1-218-935-11	RES-CHIP	33 5% 1/16W
IC206	6-703-540-01	IC ZIVA5X-C1F		R229	1-218-935-11	RES-CHIP	33 5% 1/16W
IC210	6-700-398-01	IC uPC2918T-E1		R230	1-218-935-11	RES-CHIP	33 5% 1/16W
IC215	6-700-437-01	IC SN74ALVCH16841DGGR		R231	1-218-935-11	RES-CHIP	33 5% 1/16W
IC401	6-706-946-01	IC CXD9850Q		R232	1-218-990-11	SHORT CHIP	0
IC402	8-759-549-15	IC SN74LV245APWR		R233	1-218-965-11	RES-CHIP	10K 5% 1/16W
IC501	6-702-157-01	IC FAN8035L		R238	1-218-941-81	RES-CHIP	100 5% 1/16W
IC503	8-759-701-40	IC NJM3404AM-T1		R239	1-218-973-11	RES-CHIP	47K 5% 1/16W
IC509	8-752-408-73	IC CXD3068Q		R240	1-218-990-11	SHORT CHIP	0
IC701	6-703-552-01	IC TMC57929PGF-RDP		R242	1-218-990-11	SHORT CHIP	0
IC702	8-759-637-50	IC TA48M025F (TE16L)		R244	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
IC703	8-759-701-40	IC NJM3404AM-T1		R245	1-218-965-11	RES-CHIP	10K 5% 1/16W
IC706	8-759-564-30	IC MSM51V18165B-60TSKR1		R247	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
IC801	8-752-407-50	IC CXD2752R		R248	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
IC808	6-703-791-01	IC MSM56V16160F-8T3FM1		R249	1-218-990-11	SHORT CHIP	0
IC810	6-702-231-01	IC LMH6642MFX/NOPB		R250	1-218-990-11	SHORT CHIP	0
IC812	8-759-549-15	IC SN74LV245APWR		R251	1-218-965-11	RES-CHIP	10K 5% 1/16W
IC813	8-759-549-15	IC SN74LV245APWR		R252	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
IC814	8-759-680-48	IC TC7WH157FK (TE85R)		R253	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
IC901	8-753-217-24	IC CXP973064-236R		R254	1-218-990-11	SHORT CHIP	0
IC902	8-759-058-64	IC TC7S32FU (TE85R)		R256	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
IC903	8-759-640-41	IC BR24C08F-E2		R257	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
IC904	8-759-083-94	IC TC7W74FU		R258	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
IC906	6-700-407-01	IC SM8707GV-G-E2		R259	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
IC907	8-759-583-47	IC uPC2933T-E2		R260	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
		< SHORT >		R261	1-218-990-11	SHORT CHIP	0
JW303	1-218-990-11	SHORT CHIP	0	R262	1-218-285-11	METAL CHIP	75 5% 1/10W
JW305	1-218-990-11	SHORT CHIP	0	R263	1-218-285-11	METAL CHIP	75 5% 1/10W
		< COIL >		R264	1-218-285-11	METAL CHIP	75 5% 1/10W
L801	1-412-031-11	INDUCTOR	47uH	R265	1-218-285-11	METAL CHIP	75 5% 1/10W
		< TRANSISTOR >		R266	1-218-285-11	METAL CHIP	75 5% 1/10W
Q201	8-729-929-26	TRANSISTOR	DTC114TE	R267	1-218-990-11	SHORT CHIP	0
Q901	8-729-929-26	TRANSISTOR	DTC114TE	R268	1-218-990-11	SHORT CHIP	0
Q903	8-729-025-28	FET	2SK1828	R269	1-218-990-11	SHORT CHIP	0
Q904	8-729-025-28	FET	2SK1828	R270	1-218-990-11	SHORT CHIP	0
		< RESISTOR >		R271	1-218-990-11	SHORT CHIP	0
R206	1-218-990-11	SHORT CHIP	0	R272	1-216-864-11	SHORT CHIP	0
R212	1-218-933-11	RES-CHIP	22 5% 1/16W	R273	1-216-864-11	SHORT CHIP	0
				R274	1-216-864-11	SHORT CHIP	0
				R275	1-216-864-11	SHORT CHIP	0
				R276	1-216-864-11	SHORT CHIP	0
				R277	1-218-285-11	METAL CHIP	75 5% 1/10W
				R278	1-218-285-11	METAL CHIP	75 5% 1/10W

MB

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R279	1-218-285-11	METAL CHIP	75 5% 1/10W	R540	1-218-965-11	RES-CHIP	10K 5% 1/16W
R280	1-218-285-11	METAL CHIP	75 5% 1/10W	R541	1-218-977-11	RES-CHIP	100K 5% 1/16W
R281	1-218-285-11	METAL CHIP	75 5% 1/10W	R543	1-218-990-11	SHORT CHIP	0
R282	1-208-683-11	METAL CHIP	1K 0.5% 1/16W	R544	1-218-977-11	RES-CHIP	100K 5% 1/16W
R283	1-208-869-11	METAL CHIP	180 0.5% 1/16W	R545	1-218-977-11	RES-CHIP	100K 5% 1/16W
R284	1-218-953-11	RES-CHIP	1K 5% 1/16W	R547	1-218-990-11	SHORT CHIP	0
R285	1-218-953-11	RES-CHIP	1K 5% 1/16W	R550	1-218-990-11	SHORT CHIP	0
R286	1-218-952-11	RES-CHIP	820 5% 1/16W	R553	1-218-990-11	SHORT CHIP	0
R411	1-218-945-11	RES-CHIP	220 5% 1/16W	R554	1-218-990-11	SHORT CHIP	0
R412	1-218-945-11	RES-CHIP	220 5% 1/16W	R555	1-218-990-11	SHORT CHIP	0
R413	1-218-945-11	RES-CHIP	220 5% 1/16W	R558	1-218-973-11	RES-CHIP	47K 5% 1/16W
R414	1-218-945-11	RES-CHIP	220 5% 1/16W	R560	1-218-953-11	RES-CHIP	1K 5% 1/16W
R415	1-218-945-11	RES-CHIP	220 5% 1/16W	R561	1-218-953-11	RES-CHIP	1K 5% 1/16W
R416	1-218-941-81	RES-CHIP	100 5% 1/16W	R562	1-218-953-11	RES-CHIP	1K 5% 1/16W
R417	1-218-941-81	RES-CHIP	100 5% 1/16W	R569	1-218-990-11	SHORT CHIP	0
R422	1-218-965-11	RES-CHIP	10K 5% 1/16W	R570	1-218-990-11	SHORT CHIP	0
R426	1-218-941-81	RES-CHIP	100 5% 1/16W	R571	1-218-990-11	SHORT CHIP	0
R428	1-218-941-81	RES-CHIP	100 5% 1/16W	R577	1-218-990-11	SHORT CHIP	0
R429	1-218-941-81	RES-CHIP	100 5% 1/16W	R578	1-218-990-11	SHORT CHIP	0
R430	1-218-941-81	RES-CHIP	100 5% 1/16W	R579	1-218-964-11	RES-CHIP	8.2K 5% 1/16W
R431	1-218-990-11	SHORT CHIP	0	R580	1-218-971-11	RES-CHIP	33K 5% 1/16W
R432	1-218-990-11	SHORT CHIP	0	R581	1-218-966-11	RES-CHIP	12K 5% 1/16W
R433	1-218-990-11	SHORT CHIP	0	R583	1-218-990-11	SHORT CHIP	0
R434	1-218-990-11	SHORT CHIP	0	R584	1-218-971-11	RES-CHIP	33K 5% 1/16W
R435	1-218-990-11	SHORT CHIP	0	R585	1-218-990-11	SHORT CHIP	0
R436	1-218-933-11	RES-CHIP	22 5% 1/16W	R586	1-220-210-11	RES-CHIP	200K 5% 1/16W
R503	1-218-973-11	RES-CHIP	47K 5% 1/16W	R587	1-218-990-11	SHORT CHIP	0
R504	1-218-973-11	RES-CHIP	47K 5% 1/16W	R588	1-218-965-11	RES-CHIP	10K 5% 1/16W
R505	1-218-973-11	RES-CHIP	47K 5% 1/16W	R589	1-218-965-11	RES-CHIP	10K 5% 1/16W
R506	1-218-973-11	RES-CHIP	47K 5% 1/16W	R592	1-218-990-11	SHORT CHIP	0
R507	1-218-990-11	SHORT CHIP	0	R593	1-218-977-11	RES-CHIP	100K 5% 1/16W
R509	1-216-296-11	SHORT CHIP	0	R597	1-218-990-11	SHORT CHIP	0
R510	1-218-979-11	RES-CHIP	150K 5% 1/16W	R599	1-218-953-11	RES-CHIP	1K 5% 1/16W
R511	1-218-979-11	RES-CHIP	150K 5% 1/16W	R600	1-218-990-11	SHORT CHIP	0
R512	1-218-974-11	RES-CHIP	56K 5% 1/16W	R601	1-218-965-11	RES-CHIP	10K 5% 1/16W
R513	1-218-974-11	RES-CHIP	56K 5% 1/16W	R603	1-218-959-11	RES-CHIP	3.3K 5% 1/16W
R516	1-218-961-11	RES-CHIP	4.7K 5% 1/16W	R604	1-218-953-11	RES-CHIP	1K 5% 1/16W
R517	1-218-957-11	RES-CHIP	2.2K 5% 1/16W	R605	1-218-990-11	SHORT CHIP	0
R519	1-218-977-11	RES-CHIP	100K 5% 1/16W	R608	1-218-965-11	RES-CHIP	10K 5% 1/16W
R520	1-218-965-11	RES-CHIP	10K 5% 1/16W	R609	1-218-990-11	SHORT CHIP	0
R521	1-218-977-11	RES-CHIP	100K 5% 1/16W	R610	1-218-990-11	SHORT CHIP	0
R522	1-218-961-11	RES-CHIP	4.7K 5% 1/16W	R612	1-218-990-11	SHORT CHIP	0
R523	1-218-965-11	RES-CHIP	10K 5% 1/16W	R613	1-218-989-11	RES-CHIP	1M 5% 1/16W
R524	1-218-965-11	RES-CHIP	10K 5% 1/16W	R614	1-218-990-11	SHORT CHIP	0
R525	1-218-965-11	RES-CHIP	10K 5% 1/16W	R615	1-218-990-11	SHORT CHIP	0
R527	1-218-957-11	RES-CHIP	2.2K 5% 1/16W	R617	1-218-989-11	RES-CHIP	1M 5% 1/16W
R528	1-218-990-11	SHORT CHIP	0	R618	1-218-985-11	RES-CHIP	470K 5% 1/16W
R529	1-218-971-11	RES-CHIP	33K 5% 1/16W	R619	1-218-990-11	SHORT CHIP	0
R530	1-218-974-11	RES-CHIP	56K 5% 1/16W	R622	1-218-990-11	SHORT CHIP	0
R531	1-218-990-11	SHORT CHIP	0	R623	1-218-990-11	SHORT CHIP	0
R532	1-218-990-11	SHORT CHIP	0	R625	1-218-990-11	SHORT CHIP	0
R533	1-218-971-11	RES-CHIP	33K 5% 1/16W	R626	1-218-990-11	SHORT CHIP	0
R534	1-218-974-11	RES-CHIP	56K 5% 1/16W	R627	1-218-990-11	SHORT CHIP	0
R535	1-218-990-11	SHORT CHIP	0	R628	1-218-990-11	SHORT CHIP	0
R536	1-218-965-11	RES-CHIP	10K 5% 1/16W	R629	1-218-990-11	SHORT CHIP	0
R537	1-218-975-11	RES-CHIP	68K 5% 1/16W	R630	1-218-965-11	RES-CHIP	10K 5% 1/16W
R538	1-218-977-11	RES-CHIP	100K 5% 1/16W	R655	1-218-953-11	RES-CHIP	1K 5% 1/16W
				R656	1-218-953-11	RES-CHIP	1K 5% 1/16W

HCD-FLX9W

MB

Ref. No.	Part No.	Description	Remark
R657	1-218-953-11	RES-CHIP 1K	5% 1/16W
R658	1-218-953-11	RES-CHIP 1K	5% 1/16W
R659	1-218-953-11	RES-CHIP 1K	5% 1/16W
R660	1-218-953-11	RES-CHIP 1K	5% 1/16W
R670	1-218-965-11	RES-CHIP 10K	5% 1/16W
R671	1-218-965-11	RES-CHIP 10K	5% 1/16W
R700	1-218-964-11	RES-CHIP 8.2K	5% 1/16W
R701	1-218-990-11	SHORT CHIP 0	
R702	1-218-990-11	SHORT CHIP 0	
R707	1-218-941-81	RES-CHIP 100	5% 1/16W
R708	1-218-985-11	RES-CHIP 470K	5% 1/16W
R709	1-218-979-11	RES-CHIP 150K	5% 1/16W
R710	1-218-965-11	RES-CHIP 10K	5% 1/16W
R711	1-218-957-11	RES-CHIP 2.2K	5% 1/16W
R712	1-218-965-11	RES-CHIP 10K	5% 1/16W
R713	1-218-965-11	RES-CHIP 10K	5% 1/16W
R714	1-218-965-11	RES-CHIP 10K	5% 1/16W
R715	1-218-965-11	RES-CHIP 10K	5% 1/16W
R716	1-218-941-81	RES-CHIP 100	5% 1/16W
R717	1-218-977-11	RES-CHIP 100K	5% 1/16W
R718	1-218-965-11	RES-CHIP 10K	5% 1/16W
R719	1-218-953-11	RES-CHIP 1K	5% 1/16W
R720	1-218-953-11	RES-CHIP 1K	5% 1/16W
R721	1-218-971-11	RES-CHIP 33K	5% 1/16W
R724	1-218-953-11	RES-CHIP 1K	5% 1/16W
R725	1-218-956-11	RES-CHIP 1.8K	5% 1/16W
R726	1-218-977-11	RES-CHIP 100K	5% 1/16W
R727	1-218-959-11	RES-CHIP 3.3K	5% 1/16W
R728	1-218-965-11	RES-CHIP 10K	5% 1/16W
R730	1-218-933-11	RES-CHIP 22	5% 1/16W
R731	1-218-933-11	RES-CHIP 22	5% 1/16W
R732	1-218-965-11	RES-CHIP 10K	5% 1/16W
R735	1-218-965-11	RES-CHIP 10K	5% 1/16W
R737	1-218-965-11	RES-CHIP 10K	5% 1/16W
R741	1-218-933-11	RES-CHIP 22	5% 1/16W
R742	1-218-933-11	RES-CHIP 22	5% 1/16W
R743	1-218-933-11	RES-CHIP 22	5% 1/16W
R744	1-218-933-11	RES-CHIP 22	5% 1/16W
R745	1-218-973-11	RES-CHIP 47K	5% 1/16W
R746	1-218-973-11	RES-CHIP 47K	5% 1/16W
R747	1-218-971-11	RES-CHIP 33K	5% 1/16W
R748	1-218-971-11	RES-CHIP 33K	5% 1/16W
R750	1-218-965-11	RES-CHIP 10K	5% 1/16W
R752	1-218-990-11	SHORT CHIP 0	
R753	1-218-990-11	SHORT CHIP 0	
R754	1-218-990-11	SHORT CHIP 0	
R755	1-218-990-11	SHORT CHIP 0	
R756	1-218-990-11	SHORT CHIP 0	
R757	1-218-990-11	SHORT CHIP 0	
R758	1-218-990-11	SHORT CHIP 0	
R759	1-218-990-11	SHORT CHIP 0	
R762	1-218-969-11	RES-CHIP 22K	5% 1/16W
R763	1-218-964-11	RES-CHIP 8.2K	5% 1/16W
R764	1-218-989-11	RES-CHIP 1M	5% 1/16W
R765	1-218-969-11	RES-CHIP 22K	5% 1/16W
R766	1-218-990-11	SHORT CHIP 0	
R767	1-218-973-11	RES-CHIP 47K	5% 1/16W

Ref. No.	Part No.	Description	Remark
R769	1-218-957-11	RES-CHIP 2.2K	5% 1/16W
R770	1-218-990-11	SHORT CHIP 0	
R771	1-218-965-11	RES-CHIP 10K	5% 1/16W
R772	1-218-933-11	RES-CHIP 22	5% 1/16W
R773	1-218-965-11	RES-CHIP 10K	5% 1/16W
R774	1-218-965-11	RES-CHIP 10K	5% 1/16W
R776	1-218-990-11	SHORT CHIP 0	
R777	1-218-990-11	SHORT CHIP 0	
R778	1-218-977-11	RES-CHIP 100K	5% 1/16W
R779	1-218-965-11	RES-CHIP 10K	5% 1/16W
R780	1-218-990-11	SHORT CHIP 0	
R781	1-218-990-11	SHORT CHIP 0	
R784	1-218-965-11	RES-CHIP 10K	5% 1/16W
R799	1-218-990-11	SHORT CHIP 0	
R800	1-218-961-11	RES-CHIP 4.7K	5% 1/16W
R801	1-218-990-11	SHORT CHIP 0	
R821	1-218-933-11	RES-CHIP 22	5% 1/16W
R822	1-218-933-11	RES-CHIP 22	5% 1/16W
R823	1-218-933-11	RES-CHIP 22	5% 1/16W
R824	1-218-990-11	SHORT CHIP 0	
R826	1-218-933-11	RES-CHIP 22	5% 1/16W
R827	1-218-941-81	RES-CHIP 100	5% 1/16W
R828	1-218-961-11	RES-CHIP 4.7K	5% 1/16W
R829	1-218-941-81	RES-CHIP 100	5% 1/16W
R830	1-218-961-11	RES-CHIP 4.7K	5% 1/16W
R831	1-218-971-11	RES-CHIP 33K	5% 1/16W
R833	1-218-990-11	SHORT CHIP 0	
R834	1-218-990-11	SHORT CHIP 0	
R835	1-218-990-11	SHORT CHIP 0	
R836	1-218-990-11	SHORT CHIP 0	
R837	1-218-990-11	SHORT CHIP 0	
R838	1-218-990-11	SHORT CHIP 0	
R839	1-218-961-11	RES-CHIP 4.7K	5% 1/16W
R840	1-218-990-11	SHORT CHIP 0	
R841	1-218-990-11	SHORT CHIP 0	
R842	1-218-965-11	RES-CHIP 10K	5% 1/16W
R843	1-218-990-11	SHORT CHIP 0	
R844	1-218-990-11	SHORT CHIP 0	
R845	1-218-990-11	SHORT CHIP 0	
R846	1-218-990-11	SHORT CHIP 0	
R847	1-218-933-11	RES-CHIP 22	5% 1/16W
R848	1-218-933-11	RES-CHIP 22	5% 1/16W
R849	1-218-933-11	RES-CHIP 22	5% 1/16W
R850	1-218-933-11	RES-CHIP 22	5% 1/16W
R851	1-218-990-11	SHORT CHIP 0	
R852	1-218-990-11	SHORT CHIP 0	
R856	1-218-971-11	RES-CHIP 33K	5% 1/16W
R857	1-218-971-11	RES-CHIP 33K	5% 1/16W
R865	1-218-990-11	SHORT CHIP 0	
R866	1-218-990-11	SHORT CHIP 0	
R867	1-218-990-11	SHORT CHIP 0	
R870	1-218-965-11	RES-CHIP 10K	5% 1/16W
R874	1-218-935-11	RES-CHIP 33	5% 1/16W
R876	1-218-990-11	SHORT CHIP 0	
R882	1-218-965-11	RES-CHIP 10K	5% 1/16W
R883	1-218-965-11	RES-CHIP 10K	5% 1/16W
R884	1-218-965-11	RES-CHIP 10K	5% 1/16W
R885	1-218-965-11	RES-CHIP 10K	5% 1/16W

MB **MC**

Ref. No.	Part No.	Description	Remark
R886	1-218-965-11	RES-CHIP	10K 5% 1/16W
R887	1-218-965-11	RES-CHIP	10K 5% 1/16W
R888	1-218-965-11	RES-CHIP	10K 5% 1/16W
R889	1-218-965-11	RES-CHIP	10K 5% 1/16W
R895	1-218-959-11	RES-CHIP	3.3K 5% 1/16W
R896	1-218-953-11	RES-CHIP	1K 5% 1/16W
R901	1-218-933-11	RES-CHIP	22 5% 1/16W
R902	1-218-933-11	RES-CHIP	22 5% 1/16W
R903	1-218-933-11	RES-CHIP	22 5% 1/16W
R904	1-218-965-11	RES-CHIP	10K 5% 1/16W
R905	1-218-933-11	RES-CHIP	22 5% 1/16W
R906	1-218-933-11	RES-CHIP	22 5% 1/16W
R907	1-218-933-11	RES-CHIP	22 5% 1/16W
R908	1-218-965-11	RES-CHIP	10K 5% 1/16W
R910	1-218-990-11	SHORT CHIP	0
R911	1-218-965-11	RES-CHIP	10K 5% 1/16W
R912	1-218-965-11	RES-CHIP	10K 5% 1/16W
R913	1-218-965-11	RES-CHIP	10K 5% 1/16W
R915	1-218-941-81	RES-CHIP	100 5% 1/16W
R916	1-218-953-11	RES-CHIP	1K 5% 1/16W
R917	1-218-953-11	RES-CHIP	1K 5% 1/16W
R918	1-218-933-11	RES-CHIP	22 5% 1/16W
R919	1-218-990-11	SHORT CHIP	0
R920	1-218-941-81	RES-CHIP	100 5% 1/16W
R921	1-218-941-81	RES-CHIP	100 5% 1/16W
R922	1-218-933-11	RES-CHIP	22 5% 1/16W
R923	1-218-945-11	RES-CHIP	220 5% 1/16W
R925	1-218-941-81	RES-CHIP	100 5% 1/16W
R926	1-218-941-81	RES-CHIP	100 5% 1/16W
R927	1-218-989-11	RES-CHIP	1M 5% 1/16W
R928	1-218-941-81	RES-CHIP	100 5% 1/16W
R929	1-218-941-81	RES-CHIP	100 5% 1/16W
R930	1-218-941-81	RES-CHIP	100 5% 1/16W
R931	1-218-933-11	RES-CHIP	22 5% 1/16W
R932	1-218-933-11	RES-CHIP	22 5% 1/16W
R933	1-218-933-11	RES-CHIP	22 5% 1/16W
R934	1-218-945-11	RES-CHIP	220 5% 1/16W
R935	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
R940	1-218-941-81	RES-CHIP	100 5% 1/16W
R942	1-218-941-81	RES-CHIP	100 5% 1/16W
R943	1-218-941-81	RES-CHIP	100 5% 1/16W
R944	1-218-965-11	RES-CHIP	10K 5% 1/16W
R945	1-218-965-11	RES-CHIP	10K 5% 1/16W
R947	1-218-990-11	SHORT CHIP	0
R948	1-218-990-11	SHORT CHIP	0
R949	1-218-990-11	SHORT CHIP	0
R958	1-218-933-11	RES-CHIP	22 5% 1/16W
R962	1-218-965-11	RES-CHIP	10K 5% 1/16W
R963	1-218-965-11	RES-CHIP	10K 5% 1/16W
R970	1-218-990-11	SHORT CHIP	0
R971	1-218-990-11	SHORT CHIP	0
R973	1-218-990-11	SHORT CHIP	0
R975	1-218-965-11	RES-CHIP	10K 5% 1/16W
R978	1-218-965-11	RES-CHIP	10K 5% 1/16W
R984	1-218-965-11	RES-CHIP	10K 5% 1/16W
R988	1-218-990-11	SHORT CHIP	0
R990	1-218-990-11	SHORT CHIP	0

Ref. No.	Part No.	Description	Remark
R991	1-218-990-11	SHORT CHIP	0
R992	1-218-990-11	SHORT CHIP	0
R994	1-218-990-11	SHORT CHIP	0
R995	1-218-990-11	SHORT CHIP	0
R996	1-218-990-11	SHORT CHIP	0
R997	1-218-990-11	SHORT CHIP	0
R998	1-218-990-11	SHORT CHIP	0
< VIBRATOR >			
X901	1-781-945-21	VIBRATOR, CERAMIC (20MHz)	
X902	1-795-630-11	VIBRATOR, CRYSTAL (27MHz)	

A-1061-992-A		MC BOARD, COMPLETE (EA)	
A-1072-257-A		MC BOARD, COMPLETE (E15)	
A-1072-258-A		MC BOARD, COMPLETE (SP)	
A-1072-259-A		MC BOARD, COMPLETE (TH)	

< CAPACITOR >			
C110	1-162-918-11	CERAMIC CHIP	18PF 5% 50V
C111	1-162-917-11	CERAMIC CHIP	15PF 5% 50V
C112	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C116	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C117	1-126-917-11	ELECT	3300uF 20% 6.3V
C147	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C148	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C162	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C197	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C198	1-126-964-11	ELECT	10uF 20% 50V
C199	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C201	1-109-953-11	ELECT	2.2uF 20% 50V
C202	1-136-497-81	FILM	0.1uF 5% 50V
C203	1-136-497-81	FILM	0.1uF 5% 50V
C204	1-126-964-11	ELECT	10uF 20% 50V
C211	1-126-964-11	ELECT	10uF 20% 50V
C212	1-126-947-11	ELECT	47uF 20% 35V
C221	1-126-964-11	ELECT	10uF 20% 50V
C222	1-126-964-11	ELECT	10uF 20% 50V
C236	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C241	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C242	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C252	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
C254	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
< CONNECTOR >			
CN101	1-774-744-21	CONNECTOR, BOARD TO BOARD	18P
CN102	1-573-846-11	CONNECTOR, BOARD TO BOARD	14P
CN103	1-569-928-11	SOCKET, CONNECTOR	11P
* CN104	1-569-935-11	SOCKET, CONNECTOR	19P
CN105	1-569-928-11	SOCKET, CONNECTOR	11P
* CN107	1-569-935-11	SOCKET, CONNECTOR	19P
* CN109	1-569-934-11	SOCKET, CONNECTOR	17P
* CN111	1-568-934-11	PIN, CONNECTOR	7P
CN112	1-779-281-11	CONNECTOR, FFC (LIF (NON-ZIF))	13P
< DIODE >			
D101	8-719-988-61	DIODE	1SS355TE-17
D102	8-719-988-61	DIODE	1SS355TE-17

HCD-FLX9W

MC

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D103	8-719-988-61	DIODE 1SS355TE-17		R120	1-216-809-11	METAL CHIP 100 5%	1/10W
D104	8-719-988-61	DIODE 1SS355TE-17		R122	1-216-833-11	METAL CHIP 10K 5%	1/10W
D105	8-719-988-61	DIODE 1SS355TE-17		R123	1-216-833-11	METAL CHIP 10K 5%	1/10W
D106	8-719-988-61	DIODE 1SS355TE-17		R127	1-216-809-11	METAL CHIP 100 5%	1/10W
D202	8-719-988-61	DIODE 1SS355TE-17		R129	1-216-809-11	METAL CHIP 100 5%	1/10W
D203	8-719-988-61	DIODE 1SS355TE-17		R130	1-216-809-11	METAL CHIP 100 5%	1/10W
D204	8-719-988-61	DIODE 1SS355TE-17		R131	1-216-809-11	METAL CHIP 100 5%	1/10W
D205	8-719-988-61	DIODE 1SS355TE-17		R132	1-216-809-11	METAL CHIP 100 5%	1/10W
D206	8-719-083-89	DIODE 11ES2N-TB5		R133	1-216-809-11	METAL CHIP 100 5%	1/10W
D207	8-719-083-89	DIODE 11ES2N-TB5		R134	1-216-809-11	METAL CHIP 100 5%	1/10W
D208	8-719-083-89	DIODE 11ES2N-TB5		R136	1-216-833-11	METAL CHIP 10K 5%	1/10W
D211	8-719-988-61	DIODE 1SS355TE-17		R139	1-216-809-11	METAL CHIP 100 5%	1/10W
D212	8-719-988-61	DIODE 1SS355TE-17		R141	1-216-833-11	METAL CHIP 10K 5%	1/10W
< EARTH TERMINAL >				R143	1-216-809-11	METAL CHIP 100 5%	1/10W
EP101	1-537-738-21	TERMINAL, GROUND		R145	1-216-833-11	METAL CHIP 10K 5%	1/10W
EP201	1-537-738-21	TERMINAL, GROUND		R147	1-216-864-11	SHORT CHIP 0	
< SHORT >				R148	1-216-864-11	SHORT CHIP 0	
FB116	1-216-864-11	SHORT CHIP 0		R149	1-216-809-11	METAL CHIP 100 5%	1/10W
FB162	1-216-864-11	SHORT CHIP 0		R150	1-216-809-11	METAL CHIP 100 5%	1/10W
FB199	1-216-864-11	SHORT CHIP 0		R152	1-216-809-11	METAL CHIP 100 5%	1/10W
< IC >				R153	1-216-809-11	METAL CHIP 100 5%	1/10W
IC101	6-804-891-01	IC M3062CMEN-A21FPU0		R154	1-216-833-11	METAL CHIP 10K 5%	1/10W
IC201	8-759-532-64	IC M62703SL-TP		R155	1-216-833-11	METAL CHIP 10K 5%	1/10W
IC202	8-759-263-43	IC TA78M12S		R156	1-216-809-11	METAL CHIP 100 5%	1/10W
< SHORT >				R157	1-216-809-11	METAL CHIP 100 5%	1/10W
JR101	1-216-864-11	SHORT CHIP 0		R158	1-216-809-11	METAL CHIP 100 5%	1/10W
JR102	1-216-864-11	SHORT CHIP 0		R159	1-216-809-11	METAL CHIP 100 5%	1/10W
JR118	1-216-864-11	SHORT CHIP 0		R160	1-216-841-11	METAL CHIP 47K 5%	1/10W
JR190	1-216-864-11	SHORT CHIP 0		R161	1-216-809-11	METAL CHIP 100 5%	1/10W
< TRANSISTOR >				R162	1-216-833-11	METAL CHIP 10K 5%	1/10W
Q202	8-729-119-76	TRANSISTOR 2SA1175-HFE		R163	1-216-833-11	METAL CHIP 10K 5%	1/10W
Q203	8-729-119-78	TRANSISTOR 2SC2785-HFE		R164	1-216-833-11	METAL CHIP 10K 5%	1/10W
Q251	8-729-140-04	TRANSISTOR 2SB1116A-L		R165	1-216-809-11	METAL CHIP 100 5%	1/10W
Q252	8-729-116-02	TRANSISTOR BA1A4M-TP		R166	1-216-809-11	METAL CHIP 100 5%	1/10W
Q253	8-729-140-04	TRANSISTOR 2SB1116A-L		R167	1-216-809-11	METAL CHIP 100 5%	1/10W
Q254	8-729-116-02	TRANSISTOR BA1A4M-TP		R168	1-216-809-11	METAL CHIP 100 5%	1/10W
Q255	8-729-116-02	TRANSISTOR BA1A4M-TP		R169	1-216-809-11	METAL CHIP 100 5%	1/10W
Q256	8-729-140-04	TRANSISTOR 2SB1116A-L		R170	1-216-809-11	METAL CHIP 100 5%	1/10W
Q257	8-729-116-02	TRANSISTOR BA1A4M-TP		R171	1-216-809-11	METAL CHIP 100 5%	1/10W
< RESISTOR >				R172	1-216-809-11	METAL CHIP 100 5%	1/10W
R101	1-216-809-11	METAL CHIP 100 5%	1/10W	R173	1-216-809-11	METAL CHIP 100 5%	1/10W
R102	1-216-809-11	METAL CHIP 100 5%	1/10W	R174	1-216-809-11	METAL CHIP 100 5%	1/10W
R103	1-216-809-11	METAL CHIP 100 5%	1/10W	R175	1-216-809-11	METAL CHIP 100 5%	1/10W
R104	1-216-809-11	METAL CHIP 100 5%	1/10W	R176	1-216-809-11	METAL CHIP 100 5%	1/10W
R105	1-216-809-11	METAL CHIP 100 5%	1/10W	R177	1-216-809-11	METAL CHIP 100 5%	1/10W
R106	1-216-809-11	METAL CHIP 100 5%	1/10W	R178	1-216-809-11	METAL CHIP 100 5%	1/10W
R107	1-216-809-11	METAL CHIP 100 5%	1/10W	R179	1-216-809-11	METAL CHIP 100 5%	1/10W
R109	1-216-833-11	METAL CHIP 10K 5%	1/10W	R180	1-216-809-11	METAL CHIP 100 5%	1/10W
R111	1-216-851-11	METAL CHIP 330K 5%	1/10W	R181	1-216-809-11	METAL CHIP 100 5%	1/10W
R113	1-216-864-11	SHORT CHIP 0		R182	1-216-809-11	METAL CHIP 100 5%	1/10W
R117	1-216-833-11	METAL CHIP 10K 5%	1/10W	R183	1-216-809-11	METAL CHIP 100 5%	1/10W
R118	1-216-809-11	METAL CHIP 100 5%	1/10W	R184	1-216-809-11	METAL CHIP 100 5%	1/10W
				R185	1-216-809-11	METAL CHIP 100 5%	1/10W
				R186	1-216-809-11	METAL CHIP 100 5%	1/10W
				R187	1-216-809-11	METAL CHIP 100 5%	1/10W
				R188	1-216-809-11	METAL CHIP 100 5%	1/10W
				R191	1-216-809-11	METAL CHIP 100 5%	1/10W
				R192	1-216-809-11	METAL CHIP 100 5%	1/10W

MC

MIC

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R193	1-216-809-11	METAL CHIP	100 5% 1/10W	C359	1-162-949-11	CERAMIC CHIP	47PF 5% 50V
R194	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C360	1-162-953-11	CERAMIC CHIP	100PF 5% 50V
R195	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C361	1-126-961-11	ELECT	2.2uF 20% 50V
R196	1-216-815-11	METAL CHIP	330 5% 1/10W	C362	1-126-964-11	ELECT	10uF 20% 50V
R197	1-216-833-11	METAL CHIP	10K 5% 1/10W	C363	1-126-964-11	ELECT	10uF 20% 50V
R198	1-216-815-11	METAL CHIP	330 5% 1/10W (E15)	C364	1-126-964-11	ELECT	10uF 20% 50V
R198	1-216-821-11	METAL CHIP	1K 5% 1/10W (EA)	C365	1-162-974-11	CERAMIC CHIP	0.01uF 50V
R198	1-216-864-11	SHORT CHIP	0 (SP, TH)	C366	1-115-872-11	ELECT	2.2uF 20% 50V
R200	1-216-833-11	METAL CHIP	10K 5% 1/10W	C367	1-162-995-11	CERAMIC CHIP	0.022uF 50V
R201	1-216-845-11	METAL CHIP	100K 5% 1/10W	C368	1-115-871-11	ELECT	1uF 20% 50V
R202	1-216-809-11	METAL CHIP	100 5% 1/10W	C369	1-162-969-11	CERAMIC CHIP	0.0068uF 10% 25V
R203	1-216-837-11	METAL CHIP	22K 5% 1/10W	C370	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
R204	1-216-833-11	METAL CHIP	10K 5% 1/10W	C371	1-136-495-11	FILM	0.068uF 5% 50V
R205	1-216-833-11	METAL CHIP	10K 5% 1/10W	C372	1-126-959-11	ELECT	0.47uF 20% 50V
R206	1-216-833-11	METAL CHIP	10K 5% 1/10W	C373	1-126-959-11	ELECT	0.47uF 20% 50V
R207	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C374	1-136-167-00	FILM	0.15uF 5% 50V
R208	1-216-813-11	METAL CHIP	220 5% 1/10W	C375	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
R209	1-216-833-11	METAL CHIP	10K 5% 1/10W	C376	1-162-969-11	CERAMIC CHIP	0.0068uF 10% 25V
R251	1-216-821-11	METAL CHIP	1K 5% 1/10W	C377	1-136-495-11	FILM	0.068uF 5% 50V
R252	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	C378	1-126-947-11	ELECT	47uF 20% 35V
R253	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	C379	1-126-947-11	ELECT	47uF 20% 35V
R254	1-216-821-11	METAL CHIP	1K 5% 1/10W	C380	1-126-960-11	ELECT	1uF 20% 50V
R255	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	C381	1-126-933-11	ELECT	100uF 20% 16V
R256	1-216-825-11	METAL CHIP	2.2K 5% 1/10W			< DIODE >	
R257	1-216-841-11	METAL CHIP	47K 5% 1/10W	D330	8-719-988-61	DIODE 1SS355TE-17	
R258	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	D331	8-719-988-61	DIODE 1SS355TE-17	
R259	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	D351	8-719-069-54	DIODE UDZSTE-175.1B	
R260	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			< FERRITE BEAD >	
R261	1-216-841-11	METAL CHIP	47K 5% 1/10W	FB351	1-216-864-11	SHORT CHIP	0
R262	1-216-841-11	METAL CHIP	47K 5% 1/10W			< IC >	
R263	1-216-841-11	METAL CHIP	47K 5% 1/10W	IC351	8-759-711-85	IC NJM4580E-D	
R264	1-216-841-11	METAL CHIP	47K 5% 1/10W	IC352	8-759-496-41	IC M65850FP-E1	
R265	1-216-821-11	METAL CHIP	1K 5% 1/10W			< JACK >	
R266	1-216-841-11	METAL CHIP	47K 5% 1/10W	J351	1-770-226-11	JACK (LARGE TYPE) (MIC)	
R267	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			< TRANSISTOR >	
R272	1-216-864-11	SHORT CHIP	0	Q351	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R273	1-216-864-11	SHORT CHIP	0			< RESISTOR >	
		< VIBRATOR >		R351	1-216-833-11	METAL CHIP	10K 5% 1/10W
X101	1-567-098-41	VIBRATOR, CRYSTAL (32.768kHz)		R352	1-216-821-11	METAL CHIP	1K 5% 1/10W
X102	1-781-107-21	VIBRATOR, CERAMIC (16MHz)		R353	1-216-845-11	METAL CHIP	100K 5% 1/10W
*****				R354	1-216-821-11	METAL CHIP	1K 5% 1/10W
A-1077-569-A		MIC BOARD, COMPLETE (EXCEPT TH)		R355	1-216-841-11	METAL CHIP	47K 5% 1/10W
A-1077-572-A		MIC BOARD, COMPLETE (TH)		R356	1-216-809-11	METAL CHIP	100 5% 1/10W
*****				R357	1-216-833-11	METAL CHIP	10K 5% 1/10W
		< CAPACITOR >		R358	1-216-847-11	METAL CHIP	150K 5% 1/10W
C351	1-126-957-11	ELECT	0.22uF 20% 50V	R359	1-216-809-11	METAL CHIP	100 5% 1/10W
C352	1-162-974-11	CERAMIC CHIP	0.01uF 50V	R360	1-216-833-11	METAL CHIP	10K 5% 1/10W
C353	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	R361	1-216-833-11	METAL CHIP	10K 5% 1/10W
C354	1-126-964-11	ELECT	10uF 20% 50V	R362	1-216-821-11	METAL CHIP	1K 5% 1/10W
C355	1-162-949-11	CERAMIC CHIP	47PF 5% 50V	R363	1-216-845-11	METAL CHIP	100K 5% 1/10W
C356	1-126-956-11	ELECT	0.1uF 20% 50V				
C357	1-162-957-11	CERAMIC CHIP	220PF 5% 50V				
C358	1-126-961-11	ELECT	2.2uF 20% 50V				

HCD-FLX9W

MIC

OUT/MIDOUT SW

PANEL (L)

PANEL (R)

PANEL (U)

REGULATOR

Ref. No.	Part No.	Description	Remark
R364	1-216-864-11	SHORT CHIP	0
R365	1-216-835-11	METAL CHIP	15K 5% 1/10W
R366	1-216-835-11	METAL CHIP	15K 5% 1/10W
R367	1-216-837-11	METAL CHIP	22K 5% 1/10W
R368	1-216-837-11	METAL CHIP	22K 5% 1/10W
R369	1-216-841-11	METAL CHIP	47K 5% 1/10W
R370	1-216-837-11	METAL CHIP	22K 5% 1/10W
R371	1-216-837-11	METAL CHIP	22K 5% 1/10W
R372	1-216-837-11	METAL CHIP	22K 5% 1/10W
R373	1-216-846-11	METAL CHIP	120K 5% 1/10W
R374	1-216-814-11	METAL CHIP	270 5% 1/10W
R375	1-216-837-11	METAL CHIP	22K 5% 1/10W
< VARIABLE RESISTOR >			
RV351	1-223-984-11	RES, VAR, CARBON	50K (MIC LEVEL)
RV352	1-223-984-11	RES, VAR, CARBON	50K (ECHO LEVEL)

1-683-898-11	OUT/MIDOUT SW BOARD		*****
< CONNECTOR >			
* CN709	1-568-943-11	PIN, CONNECTOR 5P	
< SWITCH >			
S701	1-771-218-11	SWITCH, MICRO (MIDOUT)	
S702	1-771-218-11	SWITCH, MICRO (LID)	
S708	1-771-218-11	SWITCH, MICRO (OUT)	

A-4750-813-A	PANEL (L) BOARD, COMPLETE (EXCEPT TH)		
A-4753-580-A	PANEL (L) BOARD, COMPLETE (TH)		

< LED >			
D301	8-719-058-04	LED SEL5223S-TP15 (I/C)	
D302	8-719-071-41	LED SELS5923C-TP15 (DVD)	
D303	8-719-071-41	LED SELS5923C-TP15 (TUNER/BAND)	
D304	8-719-071-41	LED SELS5923C-TP15 (TAPE A/B)	
< RESISTOR >			
R301	1-216-813-11	METAL CHIP	220 5% 1/10W
R302	1-216-809-11	METAL CHIP	100 5% 1/10W
R303	1-216-809-11	METAL CHIP	100 5% 1/10W
R307	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R308	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R309	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R338	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
< SWITCH >			
S301	1-771-410-21	SWITCH, TACTILE (I/C)	
S305	1-771-410-21	SWITCH, TACTILE (DVD)	
S306	1-771-410-21	SWITCH, TACTILE (TUNER/BAND)	
S307	1-771-410-21	SWITCH, TACTILE (TAPE A/B)	
S326	1-771-410-21	SWITCH, TACTILE (A ▲)	

Ref. No.	Part No.	Description	Remark
A-4750-819-A	PANEL (R) BOARD, COMPLETE (EXCEPT TH)		
A-4753-581-A	PANEL (R) BOARD, COMPLETE (TH)		

< RESISTOR >			
R321	1-216-819-11	METAL CHIP	680 5% 1/10W
R322	1-216-821-11	METAL CHIP	1K 5% 1/10W
R323	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R324	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R325	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R326	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R327	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R328	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
< SWITCH >			
S311	1-771-410-21	SWITCH, TACTILE (DISC SELECT)	
S312	1-771-410-21	SWITCH, TACTILE (▲)	
S313	1-771-410-21	SWITCH, TACTILE (<▷)	
S314	1-771-410-21	SWITCH, TACTILE (■)	
S315	1-771-410-21	SWITCH, TACTILE (■)	
S316	1-771-410-21	SWITCH, TACTILE (◀◀)	
S317	1-771-410-21	SWITCH, TACTILE (▶▶)	
S318	1-771-410-21	SWITCH, TACTILE (←◀)	
S319	1-771-410-21	SWITCH, TACTILE (+▶)	
S324	1-771-410-21	SWITCH, TACTILE (▲ B)	

PANEL (U) BOARD			

< CAPACITOR >			
C313	1-162-974-11	CERAMIC CHIP	0.01uF 50V
< JACK >			
J301	1-815-603-11	JACK (⊘)	
< RESISTOR >			
R305	1-216-819-11	METAL CHIP	680 5% 1/10W
R306	1-216-821-11	METAL CHIP	1K 5% 1/10W
R329	1-216-819-11	METAL CHIP	680 5% 1/10W
R330	1-216-821-11	METAL CHIP	1K 5% 1/10W
R331	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
< SWITCH >			
S302	1-771-410-21	SWITCH, TACTILE (DISPLAY)	
S303	1-771-410-21	SWITCH, TACTILE (VIDEO (SAT))	
S304	1-771-410-21	SWITCH, TACTILE (GROOVE)	
S320	1-771-410-21	SWITCH, TACTILE (DIGITAL)	
S321	1-771-410-21	SWITCH, TACTILE (REC PAUSE/START)	
S322	1-771-410-21	SWITCH, TACTILE (CD SYNC/HI-DUB)	
S323	1-771-410-21	SWITCH, TACTILE (EFFECT)	

1-684-271-11 REGULATOR BOARD			

< CAPACITOR >			
C870	1-115-867-11	ELECT	0.1uF 20% 50V
C871	1-115-867-11	ELECT	0.1uF 20% 50V

REGULATOR	RF
------------------	-----------

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C872	1-115-867-11	ELECT	0.1uF 20% 50V	C039	1-164-677-11	CERAMIC CHIP 0.033uF 10% 16V	
C873	1-115-867-11	ELECT	0.1uF 20% 50V	C040	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C878	1-126-791-11	ELECT	10uF 20% 35V	C041	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C879	1-126-791-11	ELECT	10uF 20% 35V	C042	1-164-218-11	CERAMIC CHIP 180PF 5% 50V	
C880	1-126-791-11	ELECT	10uF 20% 35V	C049	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C881	1-126-791-11	ELECT	10uF 20% 35V	C050	1-162-967-11	CERAMIC CHIP 0.0033uF 10% 50V	
< TRANSISTOR >				C051	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V	
Q865	8-729-116-02	TRANSISTOR	BA1A4M-TP	C052	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
< RESISTOR >				< CONNECTOR >			
R871	1-216-826-11	METAL CHIP	2.7K 5% 1/10W	CN001	1-815-031-11	CONNECTOR, FFC/FPC (ZIF) 24P	
R872	1-216-826-11	METAL CHIP	2.7K 5% 1/10W	CN002	1-784-836-21	CONNECTOR, FFC (LIF (NON-ZIF)) 29P	
R873	1-216-826-11	METAL CHIP	2.7K 5% 1/10W	CN003	1-784-861-21	CONNECTOR, FFC (LIF (NON-ZIF)) 9P	
R887	1-216-809-11	METAL CHIP	100 5% 1/10W	< DIODE >			
*****				D001	8-719-988-61	DIODE 1SS355TE-17	
A-4728-690-A	RF BOARD, COMPLETE		*****	D002	8-719-988-61	DIODE 1SS355TE-17	
< CAPACITOR >				< IC >			
C001	1-126-206-11	ELECT CHIP	100uF 20% 6.3V	IC001	6-703-922-01	IC SP3723CAF0PM	
C002	1-124-779-00	ELECT CHIP	10uF 20% 16V	IC003	6-703-921-01	IC TL343IDBVR	
C003	1-126-206-11	ELECT CHIP	100uF 20% 6.3V	< COIL >			
C004	1-124-779-00	ELECT CHIP	10uF 20% 16V	L001	1-412-031-11	INDUCTOR 47uH	
C005	1-128-993-21	ELECT CHIP	22uF 20% 10V	L002	1-412-031-11	INDUCTOR 47uH	
C006	1-128-993-21	ELECT CHIP	22uF 20% 10V	< TRANSISTOR >			
C008	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	Q001	8-729-903-46	TRANSISTOR 2SB1132-P	
C009	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	Q002	8-729-903-46	TRANSISTOR 2SB1132-P	
C010	1-115-416-11	CERAMIC CHIP	0.001uF 5% 25V	< RESISTOR >			
C011	1-115-416-11	CERAMIC CHIP	0.001uF 5% 25V	R001	1-218-668-11	METAL CHIP 100 0.5% 1/10W	
C012	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R003	1-216-803-11	METAL CHIP 33 5% 1/10W	
C013	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R004	1-216-803-11	METAL CHIP 33 5% 1/10W	
C014	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R005	1-216-841-11	METAL CHIP 47K 5% 1/10W	
C015	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R006	1-216-817-11	METAL CHIP 470 5% 1/10W	
C016	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R007	1-216-803-11	METAL CHIP 33 5% 1/10W	
C017	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R008	1-216-803-11	METAL CHIP 33 5% 1/10W	
C018	1-164-172-11	CERAMIC CHIP	0.0056uF 10% 25V	R009	1-216-841-11	METAL CHIP 47K 5% 1/10W	
C019	1-164-172-11	CERAMIC CHIP	0.0056uF 10% 25V	R010	1-216-817-11	METAL CHIP 470 5% 1/10W	
C020	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	R011	1-216-864-11	SHORT CHIP 0	
C021	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	R012	1-216-864-11	SHORT CHIP 0	
C022	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	R013	1-216-864-11	SHORT CHIP 0	
C023	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	R014	1-216-864-11	SHORT CHIP 0	
C024	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R015	1-216-864-11	SHORT CHIP 0	
C025	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R016	1-216-864-11	SHORT CHIP 0	
C026	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R017	1-216-864-11	SHORT CHIP 0	
C027	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R018	1-216-864-11	SHORT CHIP 0	
C028	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R019	1-216-864-11	SHORT CHIP 0	
C029	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R020	1-216-864-11	SHORT CHIP 0	
C030	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R021	1-216-864-11	SHORT CHIP 0	
C031	1-115-416-11	CERAMIC CHIP	0.001uF 5% 25V	R022	1-216-813-11	METAL CHIP 220 5% 1/10W	
C032	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V	R023	1-216-820-11	METAL CHIP 820 5% 1/10W	
C033	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R024	1-216-864-11	SHORT CHIP 0	
C034	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R025	1-216-809-11	METAL CHIP 100 5% 1/10W	
C035	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R026	1-218-718-11	METAL CHIP 12K 0.5% 1/10W	
C036	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V	R027	1-216-864-11	SHORT CHIP 0	
C037	1-115-412-11	CERAMIC CHIP	680PF 5% 25V				
C038	1-164-677-11	CERAMIC CHIP	0.033uF 10% 16V				

HCD-FLX9W

RF		SENSOR		SENSOR 2		SIRCS		SP RELAY		
Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description	Remark
R028	1-216-864-11	SHORT CHIP	0				C7	1-126-961-11	ELECT	2.2uF 20% 50V
R029	1-216-864-11	SHORT CHIP	0				C8	1-126-964-11	ELECT	10uF 20% 50V
R031	1-216-809-11	METAL CHIP	100	5%	1/10W		C9	1-126-960-11	ELECT	1uF 20% 50V
R033	1-216-845-11	METAL CHIP	100K	5%	1/10W		C10	1-126-964-11	ELECT	10uF 20% 50V
R034	1-216-817-11	METAL CHIP	470	5%	1/10W		C11	1-126-960-11	ELECT	1uF 20% 50V
R035	1-216-864-11	SHORT CHIP	0				C12	1-126-960-11	ELECT	1uF 20% 50V
R041	1-216-821-11	METAL CHIP	1K	5%	1/10W		C13	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
R046	1-216-833-11	METAL CHIP	10K	5%	1/10W		C14	1-126-964-11	ELECT	10uF 20% 50V
R047	1-216-839-11	METAL CHIP	33K	5%	1/10W		C16	1-126-933-11	ELECT	100uF 20% 16V
R091	1-218-913-11	METAL CHIP	560K	0.5%	1/10W		C17	1-126-964-11	ELECT	10uF 20% 50V
*****							C21	1-164-392-11	CERAMIC CHIP	390PF 5% 50V
	1-683-899-11	SENSOR BOARD					C22	1-164-392-11	CERAMIC CHIP	390PF 5% 50V
		*****					C23	1-162-920-11	CERAMIC CHIP	27PF 5% 50V
		< CONNECTOR >					C24	1-137-427-11	MYLAR	120PF 5% 50V
CN708	1-506-481-11	PIN, CONNECTOR 2P					C25	1-162-961-11	CERAMIC CHIP	330PF 10% 50V
		< LED >					C26	1-162-974-11	CERAMIC CHIP	0.01uF 50V
D704	8-719-055-84	LED GL528VS1 (DISC IN DETECT SENSOR)					C27	1-126-961-11	ELECT	2.2uF 20% 50V
		< RESISTOR >					C28	1-126-956-11	ELECT	0.1uF 20% 50V
R711	1-249-412-11	CARBON	390	5%	1/4W		C29	1-126-964-11	ELECT	10uF 20% 50V
*****							C30	1-130-486-00	MYLAR	0.018uF 5% 50V
	1-683-900-11	SENSOR 2 BOARD					C31	1-130-481-00	MYLAR	0.0068uF 5% 50V
		*****					C32	1-130-481-00	MYLAR	0.0068uF 5% 50V
	4-964-461-02	HOLDER (SENSOR)					C33	1-130-485-00	MYLAR	0.015uF 5% 50V
		< PHOTO TRANSISTOR >					C34	1-126-961-11	ELECT	2.2uF 20% 50V
Q703	8-729-921-53	PHOTO TRANSISTOR PT483F1					C35	1-137-150-11	FILM	0.01uF 5% 100V
*****							C40	1-126-960-11	ELECT	1uF 20% 50V
	1-861-353-11	SIRCS BOARD					C41	1-126-960-11	ELECT	1uF 20% 50V
		*****					C42	1-126-960-11	ELECT	1uF 20% 50V
		< CAPACITOR >					C43	1-126-935-11	ELECT	470uF 20% 16V
C301	1-126-947-11	ELECT	47uF	20%	35V		C44	1-104-665-11	ELECT	100uF 20% 25V
		< IC >					C45	1-162-919-11	CERAMIC CHIP	22PF 5% 50V
IC301	6-600-071-01	IC TSOP7000					C46	1-130-483-00	MYLAR	0.01uF 5% 50V
		< RESISTOR >					C47	1-130-483-00	MYLAR	0.01uF 5% 50V
R313	1-216-805-11	METAL CHIP	47	5%	1/10W		C48	1-126-964-11	ELECT	10uF 20% 50V
R314	1-216-805-11	METAL CHIP	47	5%	1/10W		C49	1-126-965-11	ELECT	22uF 20% 50V
*****							C51	1-126-947-11	ELECT	47uF 20% 35V
	A-4753-509-A	SP RELAY BOARD, COMPLETE (EXCEPT TH)					C52	1-130-483-00	MYLAR	0.01uF 5% 50V
	A-4753-573-A	SP RELAY BOARD, COMPLETE (TH)					C54	1-136-497-81	FILM	0.1uF 5% 50V
		*****					C56	1-126-960-11	ELECT	1uF 20% 50V
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S					C57	1-126-961-11	ELECT	2.2uF 20% 50V
		< CAPACITOR >					C63	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C1	1-126-947-11	ELECT	47uF	20%	35V		C71	1-164-392-11	CERAMIC CHIP	390PF 5% 50V
C2	1-130-483-00	MYLAR	0.01uF	5%	50V		C72	1-164-392-11	CERAMIC CHIP	390PF 5% 50V
C4	1-136-497-81	FILM	0.1uF	5%	50V		C73	1-162-920-11	CERAMIC CHIP	27PF 5% 50V
C6	1-126-960-11	ELECT	1uF	20%	50V		C74	1-137-427-11	MYLAR	120PF 5% 50V
							C75	1-162-961-11	CERAMIC CHIP	330PF 10% 50V
							C76	1-162-974-11	CERAMIC CHIP	0.01uF 50V
							C815	1-107-721-11	ELECT	4.7uF 20% 100V
							C816	1-107-721-11	ELECT	4.7uF 20% 100V
							C820	1-162-974-11	CERAMIC CHIP	0.01uF 50V
							C821	1-162-974-11	CERAMIC CHIP	0.01uF 50V
							C822	1-162-974-11	CERAMIC CHIP	0.01uF 50V
							C823	1-162-974-11	CERAMIC CHIP	0.01uF 50V
							C824	1-162-974-11	CERAMIC CHIP	0.01uF 50V
							C825	1-162-974-11	CERAMIC CHIP	0.01uF 50V
							C840	1-126-948-11	ELECT	100uF 20% 35V
							C841	1-117-251-51	ELECT	3300uF 20% 6.3V

SP RELAY

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C844	1-126-935-11	ELECT	470uF 20% 16V			< IC >	
C845	1-126-916-11	ELECT	1000uF 20% 6.3V				
C847	1-126-916-11	ELECT	1000uF 20% 6.3V				
C848	1-126-924-11	ELECT	330uF 20% 10V	IC1	6-702-130-01	IC HA12237F	
				IC2	8-759-508-69	IC BA3126N	
				IC3	8-759-710-97	IC NJM4565M-D	
				IC840	6-700-813-01	IC SI-8033JF	
C850	1-126-964-11	ELECT	10uF 20% 50V			< SHORT >	
C851	1-126-964-11	ELECT	10uF 20% 50V				
C852	1-126-961-11	ELECT	2.2uF 20% 50V				
C853	1-104-665-11	ELECT	100uF 20% 25V				
C854	1-162-974-11	CERAMIC CHIP	0.01uF 50V	JR800	1-216-864-11	SHORT CHIP	0
				JR805	1-216-864-11	SHORT CHIP	0
				JR807	1-216-864-11	SHORT CHIP	0
C855	1-162-974-11	CERAMIC CHIP	0.01uF 50V	JR808	1-216-864-11	SHORT CHIP	0
C856	1-162-974-11	CERAMIC CHIP	0.01uF 50V	JR811	1-216-864-11	SHORT CHIP	0
C857	1-162-974-11	CERAMIC CHIP	0.01uF 50V				
C860	1-126-963-11	ELECT	4.7uF 20% 50V	JR815	1-216-864-11	SHORT CHIP	0
C861	1-126-947-11	ELECT	47uF 20% 35V			< COIL >	
C862	1-162-974-11	CERAMIC CHIP	0.01uF 50V	L21	1-410-780-11	INDUCTOR	27mH
C863	1-162-974-11	CERAMIC CHIP	0.01uF 50V	L40	1-414-193-41	INDUCTOR	220uH
C874	1-104-655-91	ELECT	470uF 20% 6.3V	L41	1-414-193-41	INDUCTOR	220uH
C875	1-126-917-11	ELECT	3300uF 20% 6.3V	L71	1-410-780-11	INDUCTOR	27mH
C876	1-126-933-11	ELECT	100uF 20% 16V	L840	1-419-253-11	INDUCTOR	100uH
C877	1-126-935-11	ELECT	470uF 20% 16V	L841	1-414-398-11	INDUCTOR	10uH
C890	1-126-946-11	ELECT	6800uF 20% 25V	L842	1-414-398-11	INDUCTOR	10uH
C891	1-130-483-00	MYLAR	0.01uF 5% 50V			< TRANSISTOR >	
C892	1-130-483-00	MYLAR	0.01uF 5% 50V				
		< CONNECTOR >		Q2	8-729-801-93	TRANSISTOR	2SD1387-3
* CN601	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P		Q3	8-729-116-02	TRANSISTOR	BA1A4M-TP
* CN602	1-564-724-11	PIN, CONNECTOR (SMALL TYPE) 8P		Q4	8-729-142-46	TRANSISTOR	2SC2001-LK
CN801	1-774-744-21	CONNECTOR, BOARD TO BOARD 18P		Q5	8-729-142-46	TRANSISTOR	2SC2001-LK
CN803	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P		Q6	8-729-119-78	TRANSISTOR	2SC2785-HFE
CN804	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P					
				Q7	8-729-116-02	TRANSISTOR	BA1A4M-TP
CN805	1-774-743-21	CONNECTOR, BOARD TO BOARD 18P		Q8	8-729-116-02	TRANSISTOR	BA1A4M-TP
CN806	1-573-828-11	CONNECTOR, BOARD TO BOARD 14P		Q9	8-729-040-20	TRANSISTOR	RT1P137L-TP
CN807	1-564-528-11	PLUG, CONNECTOR 13P		Q20	8-729-900-63	TRANSISTOR	DTA124ES
CN808	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE) 3P		Q21	8-729-116-02	TRANSISTOR	BA1A4M-TP
* CN809	1-564-518-11	PLUG, CONNECTOR 3P					
		< DIODE >		Q40	8-729-116-02	TRANSISTOR	BA1A4M-TP
				Q41	8-729-116-02	TRANSISTOR	BA1A4M-TP
D801	8-719-988-61	DIODE 1SS355TE-17		Q801	8-729-119-78	TRANSISTOR	2SC2785-HFE
D802	8-719-988-61	DIODE 1SS355TE-17		Q802	8-729-119-78	TRANSISTOR	2SC2785-HFE
D803	8-719-988-61	DIODE 1SS355TE-17		Q803	8-729-119-78	TRANSISTOR	2SC2785-HFE
D804	8-719-988-61	DIODE 1SS355TE-17					
D805	8-719-988-61	DIODE 1SS355TE-17		Q804	8-729-119-78	TRANSISTOR	2SC2785-HFE
				Q805	8-729-119-78	TRANSISTOR	2SC2785-HFE
D806	8-719-988-61	DIODE 1SS355TE-17		Q806	8-729-119-78	TRANSISTOR	2SC2785-HFE
D807	8-719-988-61	DIODE 1SS355TE-17		Q807	8-729-119-78	TRANSISTOR	2SC2785-HFE
D810	8-719-988-61	DIODE 1SS355TE-17		Q850	8-729-119-78	TRANSISTOR	2SC2785-HFE
D840	8-719-080-53	DIODE RK36LF-B3					
D850	8-719-988-61	DIODE 1SS355TE-17		Q851	8-729-119-78	TRANSISTOR	2SC2785-HFE
				Q852	8-729-119-78	TRANSISTOR	2SC2785-HFE
D851	8-719-988-61	DIODE 1SS355TE-17		Q853	8-729-142-51	TRANSISTOR	2SD1616A-TP-LK
D860	8-719-988-61	DIODE 1SS355TE-17		Q854	8-729-119-76	TRANSISTOR	2SA1175-HFE
D861	8-719-069-55	DIODE UDZSTE-175.6B		Q855	8-729-119-78	TRANSISTOR	2SC2785-HFE
D862	8-719-056-85	DIODE UDZ-TE-17-8.2B					
D890	6-500-385-01	DIODE D3SBA20-4100		Q856	8-729-119-78	TRANSISTOR	2SC2785-HFE
		< FERRITE BEAD >		Q860	8-729-116-02	TRANSISTOR	BA1A4M-TP
				Q861	8-729-119-78	TRANSISTOR	2SC2785-HFE
FB842	1-410-397-21	FERRITE 1.1uH		Q862	8-729-119-78	TRANSISTOR	2SC2785-HFE
FB843	1-410-397-21	FERRITE 1.1uH		Q863	8-729-026-68	TRANSISTOR	2SD2525 (TP)
				Q870	8-729-116-02	TRANSISTOR	BA1A4M-TP
				Q871	8-729-116-02	TRANSISTOR	BA1A4M-TP

HCD-FLX9W

SP RELAY

Ref. No.	Part No.	Description	Remark
		< RESISTOR >	
R1	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R2	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R4	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R5	1-216-841-11	METAL CHIP 47K	5% 1/10W
R7	1-216-833-11	METAL CHIP 10K	5% 1/10W
R8	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R10	1-216-841-11	METAL CHIP 47K	5% 1/10W
R11	1-216-809-11	METAL CHIP 100	5% 1/10W
R12	1-216-809-11	METAL CHIP 100	5% 1/10W
R13	1-216-809-11	METAL CHIP 100	5% 1/10W
R14	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R15	1-216-809-11	METAL CHIP 100	5% 1/10W
R17	1-216-857-11	METAL CHIP 1M	5% 1/10W
R18	1-216-832-11	METAL CHIP 8.2K	5% 1/10W
R19	1-216-837-11	METAL CHIP 22K	5% 1/10W
R20	1-216-809-11	METAL CHIP 100	5% 1/10W
R21	1-216-833-11	METAL CHIP 10K	5% 1/10W
R22	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R23	1-216-809-11	METAL CHIP 100	5% 1/10W
R25	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R26	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R27	1-216-836-11	METAL CHIP 18K	5% 1/10W
R28	1-216-836-11	METAL CHIP 18K	5% 1/10W
△ R29	1-219-787-17	FUSIBLE 5.6	5% 1/4W F
△ R30	1-219-787-17	FUSIBLE 5.6	5% 1/4W F
R31	1-216-837-11	METAL CHIP 22K	5% 1/10W
R32	1-216-813-11	METAL CHIP 220	5% 1/10W
R33	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R34	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R35	1-216-845-11	METAL CHIP 100K	5% 1/10W
R36	1-216-833-11	METAL CHIP 10K	5% 1/10W
R39	1-216-833-11	METAL CHIP 10K	5% 1/10W
R40	1-216-833-11	METAL CHIP 10K	5% 1/10W
R41	1-216-821-11	METAL CHIP 1K	5% 1/10W
R42	1-216-821-11	METAL CHIP 1K	5% 1/10W
R43	1-216-861-11	METAL CHIP 2.2M	5% 1/10W
R44	1-216-835-11	METAL CHIP 15K	5% 1/10W
R45	1-216-835-11	METAL CHIP 15K	5% 1/10W
R46	1-216-833-11	METAL CHIP 10K	5% 1/10W
R47	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R48	1-216-837-11	METAL CHIP 22K	5% 1/10W
R49	1-216-833-11	METAL CHIP 10K	5% 1/10W
R50	1-216-833-11	METAL CHIP 10K	5% 1/10W
R51	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R52	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R54	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R55	1-216-841-11	METAL CHIP 47K	5% 1/10W
R56	1-216-837-11	METAL CHIP 22K	5% 1/10W
R58	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R68	1-216-832-11	METAL CHIP 8.2K	5% 1/10W
R71	1-216-833-11	METAL CHIP 10K	5% 1/10W
R72	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R90	1-216-864-11	SHORT CHIP 0	
△ R815	1-215-891-11	METAL OXIDE 680	5% 2W F
△ R816	1-215-891-11	METAL OXIDE 680	5% 2W F

Ref. No.	Part No.	Description	Remark
R820	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R821	1-216-833-11	METAL CHIP 10K	5% 1/10W
R822	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R823	1-216-833-11	METAL CHIP 10K	5% 1/10W
R824	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R825	1-216-833-11	METAL CHIP 10K	5% 1/10W
R826	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R827	1-216-833-11	METAL CHIP 10K	5% 1/10W
R828	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R829	1-216-833-11	METAL CHIP 10K	5% 1/10W
R830	1-216-833-11	METAL CHIP 10K	5% 1/10W
R831	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R832	1-216-833-11	METAL CHIP 10K	5% 1/10W
R833	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R836	1-216-809-11	METAL CHIP 100	5% 1/10W
R837	1-216-837-11	METAL CHIP 22K	5% 1/10W
R838	1-216-837-11	METAL CHIP 22K	5% 1/10W
R839	1-216-830-11	METAL CHIP 5.6K	5% 1/10W
R840	1-216-841-11	METAL CHIP 47K	5% 1/10W
R841	1-216-841-11	METAL CHIP 47K	5% 1/10W
R842	1-216-841-11	METAL CHIP 47K	5% 1/10W
R843	1-216-841-11	METAL CHIP 47K	5% 1/10W
R844	1-216-841-11	METAL CHIP 47K	5% 1/10W
R845	1-216-841-11	METAL CHIP 47K	5% 1/10W
R850	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R851	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R852	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R853	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R854	1-216-837-11	METAL CHIP 22K	5% 1/10W
R856	1-216-839-11	METAL CHIP 33K	5% 1/10W
R857	1-216-833-11	METAL CHIP 10K	5% 1/10W
R858	1-216-833-11	METAL CHIP 10K	5% 1/10W
R859	1-216-809-11	METAL CHIP 100	5% 1/10W
R860	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R861	1-216-841-11	METAL CHIP 47K	5% 1/10W
R862	1-216-837-11	METAL CHIP 22K	5% 1/10W
R863	1-216-837-11	METAL CHIP 22K	5% 1/10W
R864	1-216-849-11	METAL CHIP 220K	5% 1/10W
R865	1-216-841-11	METAL CHIP 47K	5% 1/10W
R866	1-216-843-11	METAL CHIP 68K	5% 1/10W
R867	1-216-843-11	METAL CHIP 68K	5% 1/10W
R868	1-216-843-11	METAL CHIP 68K	5% 1/10W
R869	1-216-841-11	METAL CHIP 47K	5% 1/10W
R870	1-216-843-11	METAL CHIP 68K	5% 1/10W
△ R874	1-215-865-11	METAL OXIDE 220	5% 1W F
△ R875	1-215-865-11	METAL OXIDE 220	5% 1W F
△ R876	1-215-865-11	METAL OXIDE 220	5% 1W F
△ R877	1-215-865-11	METAL OXIDE 220	5% 1W F
△ R878	1-215-865-11	METAL OXIDE 220	5% 1W F
△ R879	1-215-865-11	METAL OXIDE 220	5% 1W F
△ R880	1-215-865-11	METAL OXIDE 220	5% 1W F
R889	1-216-833-11	METAL CHIP 10K	5% 1/10W
R890	1-216-820-11	METAL CHIP 820	5% 1/10W
R891	1-216-805-11	METAL CHIP 47	5% 1/10W

< VARIABLE RESISTOR >

RV2	1-241-768-11	RES, ADJ CERMET	220K
-----	--------------	-----------------	------

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

SP RELAY	SUB TRANS	TC DOOR	TC DOOR SW	TRANS
-----------------	------------------	----------------	-------------------	--------------

Ref. No.	Part No.	Description			Remark
RV52	1-241-768-11	RES, ADJ CERMET			220K
RV53	1-238-019-11	RES, ADJ CERMET			47K
< RELAY >					
RY801	1-755-416-12	RELAY			
RY802	1-755-416-12	RELAY			
RY803	1-755-416-12	RELAY			
RY804	1-755-416-12	RELAY			
RY805	1-755-416-12	RELAY			
RY806	1-755-416-12	RELAY			
RY807	1-755-416-12	RELAY			
< TRANSFORMER >					
T301	1-423-980-11	TRANSFORMER, BIAS OSCILLATION			
< TERMINAL >					
TM801	1-694-656-21	TERMINAL BOARD (6CH SPEAKER) (SPEAKER)			

	A-4730-199-A	SUB TRANS BOARD, COMPLETE (EXCEPT TH)			
	A-4730-220-A	SUB TRANS BOARD, COMPLETE (TH)			

	1-533-217-41	HOLDER, FUSE			
< CAPACITOR >					
C901	1-104-665-11	ELECT	100uF	20%	25V
C902	1-126-935-11	ELECT	470uF	20%	16V
C903	1-164-159-11	CERAMIC	0.1uF		50V
C905	1-126-964-11	ELECT	10uF	20%	50V
C906	1-164-159-11	CERAMIC	0.1uF		50V
< CONNECTOR >					
CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CN902	1-564-321-21	PIN, CONNECTOR (3.96mm PITCH) 2P (TH)			
CN902	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P (EXCEPT TH)			
CN903	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE) 3P			
< DIODE >					
D901	6-500-522-31	DIODE 10EDB40-TB5			
D902	6-500-522-31	DIODE 10EDB40-TB5			
D903	6-500-522-31	DIODE 10EDB40-TB5			
D904	6-500-522-31	DIODE 10EDB40-TB5			
D905	8-719-991-33	DIODE 1SS133T-77			
D906	8-719-991-33	DIODE 1SS133T-77			
< IC >					
IC901	8-759-647-10	IC uPC2933HF			
< TRANSISTOR >					
Q901	8-729-119-78	TRANSISTOR 2SC2785-HFE			
< RESISTOR >					
R901	1-249-429-11	CARBON 10K	5%		1/4W
R902	1-249-429-11	CARBON 10K	5%		1/4W

Ref. No.	Part No.	Description			Remark
< RELAY >					
△RY901	1-755-467-21	RELAY (POWER)			
< SWITCH >					
△S901	1-786-055-21	SELECTOR, VOLTAGE (VOLTAGE SELECTOR) (EXCEPT TH)			
< TRANSFORMER >					
△T901	1-437-677-11	TRANSFORMER, POWER			

	1-861-346-11	TC DOOR BOARD			

< DIODE >					
D309	8-719-988-61	DIODE 1SS355TE-17			
D310	8-719-988-61	DIODE 1SS355TE-17			

	1-861-345-11	TC DOOR SW BOARD			

< SWITCH >					
S325	1-771-264-11	SWITCH, PUSH (DETECTION) (1 KEY) (CASSETTE LID OPEN/CLOSE DETECT)			

	A-4730-184-A	TRANS BOARD, COMPLETE (TH)			
	A-4730-190-A	TRANS BOARD, COMPLETE (EXCEPT TH)			

	1-533-217-41	HOLDER, FUSE			
< CAPACITOR >					
C913	1-128-576-11	ELECT	100uF	20%	63V
C914	1-126-960-11	ELECT	1uF	20%	50V
C915	1-126-968-11	ELECT	100uF	20%	50V
< CONNECTOR >					
* CN914	1-564-522-11	PLUG, CONNECTOR 7P			
* CN915	1-564-521-11	PLUG, CONNECTOR 6P			
* CN916	1-564-523-11	PLUG, CONNECTOR 8P			
< DIODE >					
D911	6-500-522-31	DIODE 10EDB40-TB5			
D912	8-719-983-96	DIODE MTZJ-T-72-39A			
D913	8-719-160-29	DIODE RD6.2FB2			
D914	8-719-109-68	DIODE RD3.6ESB1			
< TRANSISTOR >					
Q971	8-729-048-52	TRANSISTOR 2SA1932 (TP)			
< RESISTOR >					
△R913	1-219-124-11	FUSIBLE	0.68	5%	1/4W F
R914	1-249-417-11	CARBON	1K	5%	1/4W
R915	1-249-429-11	CARBON	10K	5%	1/4W
R916	1-247-807-31	CARBON	100	5%	1/4W
R917	1-247-807-31	CARBON	100	5%	1/4W

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

HCD-FLX9W

TX

Ref. No.	Part No.	Description	Remark
	A-1072-457-A	TX BOARD, COMPLETE (TH)	
	A-4753-411-A	TX BOARD, COMPLETE (EXCEPT TH)	

		< CAPACITOR >	
C7001	1-126-933-11	ELECT 100uF	20% 16V
C7002	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7003	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7004	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7005	1-126-933-11	ELECT 100uF	20% 16V
C7006	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C7007	1-162-915-11	CERAMIC CHIP 10PF	0.5PF 50V
C7008	1-162-915-11	CERAMIC CHIP 10PF	0.5PF 50V
C7009	1-126-933-11	ELECT 100uF	20% 16V
C7010	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7011	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7012	1-126-933-11	ELECT 100uF	20% 16V
C7013	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7014	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7015	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V
C7016	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7017	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7018	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7019	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7020	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7021	1-126-961-11	ELECT 2.2uF	20% 50V
C7022	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7023	1-126-933-11	ELECT 100uF	20% 16V
C7024	1-107-726-91	CERAMIC CHIP 0.01uF	10% 16V
C7025	1-162-923-11	CERAMIC CHIP 47PF	5% 50V
C7026	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C7027	1-162-923-11	CERAMIC CHIP 47PF	5% 50V
C7028	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C7029	1-162-966-11	CERAMIC CHIP 0.0022uF	10% 50V
C7030	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C7031	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C7032	1-164-816-11	CERAMIC CHIP 220PF	2% 50V
C7034	1-126-933-11	ELECT 100uF	20% 16V
C7035	1-107-726-91	CERAMIC CHIP 0.01uF	10% 16V
C7036	1-126-933-11	ELECT 100uF	20% 16V
C7037	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C7038	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C7039	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C7041	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7042	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7043	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7047	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C7048	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7049	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7050	1-107-726-91	CERAMIC CHIP 0.01uF	10% 16V
C7052	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7053	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
		< CONNECTOR >	
CN7001	1-784-774-11	CONNECTOR, FFC 13P	
* CN7002	1-564-517-11	PLUG, CONNECTOR 2P	

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D7001	8-719-978-33	DIODE DTZ-TT11-6.8B	
D7002	8-719-978-33	DIODE DTZ-TT11-6.8B	
D7003	8-719-978-33	DIODE DTZ-TT11-6.8B	
D7004	8-719-083-83	DIODE UDZS-TE17-15B	
		< FERRITE BEAD >	
FB7002	1-414-234-22	INDUCTOR, FERRITE BEAD	
		< IC >	
IC7001	6-704-261-01	IC TK11225CMCL-G	
IC7002	8-752-425-05	IC CXD4016R	
IC7003	8-759-684-21	IC AD8057ART-REEL7	
IC7004	8-759-649-33	IC SN74AHCT1G08DCKR	
IC7005	8-759-548-99	IC SN74LV08APWR	
IC7006	8-759-548-99	IC SN74LV08APWR	
		< COIL >	
L7001	1-400-389-21	INDUCTOR 10uH	
L7002	1-400-389-21	INDUCTOR 10uH	
L7003	1-400-389-21	INDUCTOR 10uH	
L7004	1-400-389-21	INDUCTOR 10uH	
L7005	1-400-389-21	INDUCTOR 10uH	
L7006	1-400-389-21	INDUCTOR 10uH	
L7007	1-400-389-21	INDUCTOR 10uH	
L7008	1-400-305-11	INDUCTOR 47uH	
		< TRANSISTOR >	
Q7001	8-729-230-49	TRANSISTOR 2SC2712-YG	
		< RESISTOR >	
R7001	1-216-833-11	METAL CHIP 10K	5% 1/10W
R7002	1-216-809-11	METAL CHIP 100	5% 1/10W
R7003	1-216-809-11	METAL CHIP 100	5% 1/10W
R7004	1-216-809-11	METAL CHIP 100	5% 1/10W
R7005	1-216-815-11	METAL CHIP 330	5% 1/10W
R7007	1-216-809-11	METAL CHIP 100	5% 1/10W
R7008	1-216-809-11	METAL CHIP 100	5% 1/10W
R7009	1-216-809-11	METAL CHIP 100	5% 1/10W
R7010	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R7011	1-216-826-11	METAL CHIP 2.7K	5% 1/10W
R7012	1-216-813-11	METAL CHIP 220	5% 1/10W
R7013	1-216-811-11	METAL CHIP 150	5% 1/10W
R7014	1-218-827-11	METAL CHIP 150	0.5% 1/10W
R7015	1-216-821-11	METAL CHIP 1K	5% 1/10W
R7016	1-216-813-11	METAL CHIP 220	5% 1/10W
R7017	1-216-809-11	METAL CHIP 100	5% 1/10W
R7018	1-216-821-11	METAL CHIP 1K	5% 1/10W
R7019	1-216-821-11	METAL CHIP 1K	5% 1/10W
R7020	1-216-821-11	METAL CHIP 1K	5% 1/10W
R7021	1-216-813-11	METAL CHIP 220	5% 1/10W
R7022	1-216-817-11	METAL CHIP 470	5% 1/10W
R7023	1-216-833-11	METAL CHIP 10K	5% 1/10W
R7024	1-216-803-11	METAL CHIP 33	5% 1/10W
R7026	1-216-809-11	METAL CHIP 100	5% 1/10W
R7027	1-216-811-11	METAL CHIP 150	5% 1/10W

TX **TX OUT** **VIDEO**

Ref. No.	Part No.	Description	Remark
R7028	1-216-809-11	METAL CHIP	100 5% 1/10W
R7029	1-216-809-11	METAL CHIP	100 5% 1/10W
R7030	1-216-809-11	METAL CHIP	100 5% 1/10W
R7031	1-216-809-11	METAL CHIP	100 5% 1/10W
R7032	1-216-809-11	METAL CHIP	100 5% 1/10W
R7033	1-216-809-11	METAL CHIP	100 5% 1/10W
R7034	1-216-809-11	METAL CHIP	100 5% 1/10W
R7035	1-216-809-11	METAL CHIP	100 5% 1/10W
R7036	1-220-397-11	METAL CHIP	4.7M 5% 1/10W
R7037	1-216-833-11	METAL CHIP	10K 5% 1/10W
R7038	1-216-835-11	METAL CHIP	15K 5% 1/10W
R7039	1-216-833-11	METAL CHIP	10K 5% 1/10W
R7040	1-216-833-11	METAL CHIP	10K 5% 1/10W
R7041	1-216-841-11	METAL CHIP	47K 5% 1/10W
R7042	1-216-841-11	METAL CHIP	47K 5% 1/10W
R7043	1-216-841-11	METAL CHIP	47K 5% 1/10W
R7044	1-216-821-11	METAL CHIP	1K 5% 1/10W
< VARIABLE RESISTOR >			
RV7001	1-223-582-11	RES, ADJ, CARBON	470
< VIBRATOR >			
X7001	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHZ)	

TX OUT BOARD			

< CAPACITOR >			
C0009	1-164-159-11	CERAMIC	0.1uF 50V
< DIODE >			
D0011	8-719-110-42	DIODE RD15ESB3	
< JACK >			
J0001	1-818-634-11	JACK, PIN 1P (DIR-T1)	

1-684-692-11 VIDEO BOARD			

< CAPACITOR >			
C701	1-104-665-11	ELECT	100uF 20% 25V
C702	1-164-159-11	CERAMIC	0.1uF 50V
C703	1-126-965-11	ELECT	22uF 20% 50V
C704	1-164-159-11	CERAMIC	0.1uF 50V
C741	1-164-159-11	CERAMIC	0.1uF 50V
C742	1-104-655-91	ELECT	470uF 20% 6.3V
C743	1-126-965-11	ELECT	22uF 20% 50V
C744	1-104-655-91	ELECT	470uF 20% 6.3V
C745	1-126-965-11	ELECT	22uF 20% 50V
C746	1-104-655-91	ELECT	470uF 20% 6.3V
C747	1-126-965-11	ELECT	22uF 20% 50V
C748	1-104-665-11	ELECT	100uF 20% 25V
C749	1-126-965-11	ELECT	22uF 20% 50V
C750	1-104-665-11	ELECT	100uF 20% 25V
C751	1-126-965-11	ELECT	22uF 20% 50V

Ref. No.	Part No.	Description	Remark
C761	1-126-960-11	ELECT	1uF 20% 50V
C762	1-126-960-11	ELECT	1uF 20% 50V
C763	1-126-960-11	ELECT	1uF 20% 50V
C764	1-126-960-11	ELECT	1uF 20% 50V
C765	1-126-960-11	ELECT	1uF 20% 50V
C766	1-126-960-11	ELECT	1uF 20% 50V
C780	1-162-207-31	CERAMIC	22PF 5% 50V
C781	1-162-207-31	CERAMIC	22PF 5% 50V
C782	1-162-207-31	CERAMIC	22PF 5% 50V
C784	1-162-207-31	CERAMIC	22PF 5% 50V
C785	1-162-207-31	CERAMIC	22PF 5% 50V
C786	1-162-207-31	CERAMIC	22PF 5% 50V
< CONNECTOR >			
CN701	1-816-590-11	CONNECTOR, FFC (LIF (NON-ZIF)) 17P	
< IC >			
IC701	6-702-335-01	IC MM1568AJBE	
< JACK >			
J701	1-793-445-11	JACK, PIN 3P (COMPONENT VIDEO OUT)	
J702	1-537-943-11	TERMINAL, S (S VIDEO OUT)	
J703	1-774-227-11	JACK, PIN 1P (VIDEO OUT)	
< COIL >			
L701	1-410-470-11	INDUCTOR	10uH
< TRANSISTOR >			
Q711	8-729-422-57	TRANSISTOR	UN4111
Q712	8-729-900-89	TRANSISTOR	DTC144ES
< RESISTOR >			
R701	1-249-429-11	CARBON	10K 5% 1/4W
R702	1-249-429-11	CARBON	10K 5% 1/4W
R717	1-247-804-11	CARBON	75 5% 1/4W
R718	1-247-804-11	CARBON	75 5% 1/4W
R719	1-247-804-11	CARBON	75 5% 1/4W
R720	1-247-804-11	CARBON	75 5% 1/4W
R721	1-247-804-11	CARBON	75 5% 1/4W
R722	1-247-804-11	CARBON	75 5% 1/4W
R724	1-249-429-11	CARBON	10K 5% 1/4W
R725	1-249-429-11	CARBON	10K 5% 1/4W

HCD-FLX9W

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS *****	
64	1-773-044-11	WIRE (FLAT TYPE) (17 CORE)	
65	1-796-910-11	DECK, MECHANICAL (CASSETTE)	
108	1-828-354-11	WIRE (FLAT TYPE) (17 CORE)	
114	1-500-082-11	CLAMP, SLEEVE FERRITE (EA, TH)	
156	1-828-429-11	WIRE (FLAT TYPE) (11 CORE)	
301	1-782-252-11	WIRE (FLAT TYPE) (9 CORE)	
302	1-824-686-11	WIRE (FLAT TYPE) (13 CORE)	
303	1-773-123-11	WIRE (FLAT TYPE) (19 CORE)	
308	1-773-049-11	WIRE (FLAT TYPE) (17 CORE)	
310	1-824-652-11	WIRE (FLAT TYPE) (29 CORE)	
311	1-773-105-11	WIRE (FLAT TYPE) (19 CORE)	
312	1-769-937-11	WIRE (FLAT TYPE) (11 CORE)	
313	1-769-973-11	WIRE (FLAT TYPE) (13 CORE)	
316	1-469-829-11	CORE, FERRITE (EA)	
317	1-400-640-11	CORE, FERRITE (EA)	
318	1-469-854-11	CORE, FERRITE (EA)	
319	1-400-092-11	CORE, FERRITE (EA)	
320	1-543-793-11	FILTER, CLAMP (FERRITE CORE) (EA, TH)	
352	1-792-099-11	WIRE (FLAT TYPE) (17 CORE)	
353	1-590-218-11	WIRE (FLAT TYPE) (11 CORE)	
358	1-693-603-31	TUNER (FM/AM)	
△ 455	1-775-786-21	CORD, POWER (EA)	
△ 455	1-777-071-83	CORD, POWER (SP)	
△ 455	1-824-818-11	CORD, POWER (WITH CONNECTOR) (TH)	
△ 455	1-827-226-11	CORD, POWER (E15)	
△ 703	A-4713-410-A	OPTICAL TRAVERSE UNIT (DBU-1 ASSY (SERVICE))	
705	1-824-106-12	CABLE, FLEXIBLE FLAT (24 CORE)	
* CN7002	1-564-517-11	PLUG, CONNECTOR 2P	
△ F913	1-533-472-12	FUSE, GLASS TUBE (DIA. 5) (5A/250V)	
△ F914	1-576-655-12	FUSE, GLASS TUBE (DIA. 5) (8A/250V)	
△ F915	1-576-655-12	FUSE, GLASS TUBE (DIA. 5) (8A/250V)	
△ F916	1-576-655-12	FUSE, GLASS TUBE (DIA. 5) (8A/250V)	
△ F917	1-576-655-12	FUSE, GLASS TUBE (DIA. 5) (8A/250V)	
△ F918	1-533-473-12	FUSE, GLASS TUBE (DIA. 5) (6.3A/250V)	
△ F919	1-533-472-12	FUSE, GLASS TUBE (DIA. 5) (5A/250V)	
IC801	6-703-546-01	IC TA7804LS	
IC802	8-759-231-53	IC TA7805S	
IC803	8-759-231-57	IC TA7810S	
IC804	8-759-231-53	IC TA7805S	
IC921	8-759-518-68	IC PQ12RF21	
IC922	8-759-231-56	IC NJM78M09FA	
M301	1-541-632-12	MOTOR, DC (CD DOOR OPEN/CLOSE)	
M701	X-4950-341-1	MOTOR (CLAMP) ASSY (ELEVATOR UP/DOWN)	
M702	X-4950-342-1	MOTOR (LOADING) ASSY	
M801	1-763-488-51	FAN, DC	
PM301	1-454-887-32	SOLENOID, PLUNGER (DECK A)	
PM302	1-454-887-32	SOLENOID, PLUNGER (DECK B)	
Q864	8-729-209-60	TRANSISTOR 2SB1375	
S707	1-418-045-01	ENCODER, ROTARY (DISC TRAY ADDRESS DETECT)	
△ T911	1-437-800-21	TRANSFORMER, POWER (E15, SP)	
△ T911	1-437-801-21	TRANSFORMER, POWER (EA, TH)	

Ref. No.	Part No.	Description	Remark
		ACCESSORIES *****	
△	1-569-007-11	ADAPTOR, CONVERSION 2P (E15)	
△	1-569-008-22	ADAPTOR, CONVERSION 2P (SP)	

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

MEMO

QQ 376315150

892498299

TEL 13942296513 QQ 376315150 892498299

TEL 13942296513 QQ 376315150 892498299

"无奇不有" 电路图网
www.xiaoyu163.com

"无奇不有" 电路图网
www.xiaoyu163.com

"无奇不有" 电路图网
www.xiaoyu163.com

"无奇不有" 电路图网
www.xiaoyu163.com

"无奇不有" 电路图网
www.xiaoyu163.com

"无奇不有" 电路图网
www.xiaoyu163.com

"无奇不有" 电路图网
www.xiaoyu163.com

"无奇不有" 电路图网
www.xiaoyu163.com

"无奇不有" 电路图网
www.xiaoyu163.com

www.xiaoyu163.com

