

HCD-GX355/GX555/ RG270/RG475/RG575

SERVICE MANUAL

Ver. 1.2 2005.05

HCD-GX355 is the amplifier, CD player, tape deck and tuner section in MHC-GX355.
HCD-GX555 is the amplifier, CD player, tape deck and tuner section in MHC-GX555.
HCD-RG270 is the amplifier, CD player, tape deck and tuner section in MHC-RG270.
HCD-RG475 is the amplifier, CD player, tape deck and tuner section in MHC-RG475S.
HCD-RG575 is the amplifier, CD player, tape deck and tuner section in MHC-RG575S.



Photo: HCD-RG575

US Model
Canadian Model
HCD-GX355/GX555
AEP Model
UK Model
Australian Model
HCD-RG270/RG475
E Model
HCD-RG270/RG475/RG575

CD Section	Model Name Using Similar Mechanism	NEW
	CD Mechanism Type	CDM74KFS-F1BD81C (Except Mexican model)/ CDM74KFS-F1BD84 (Mexican model)
	Base Unit Name	BU-F1BD81C (Except Mexican model)/BU-F1BD84 (Mexican model)
	Optical Pick-up Block Name	KSM-215DCP
TAPE Section	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	CWM43FF13

SPECIFICATIONS

Amplifier section

AUDIO POWER SPECIFICATIONS (HCD-GX555/GX355 USA model only)

HCD-GX555

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 6 ohm loads, both channels driven, from 120 – 10,000 Hz: rated 145 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.

HCD-GX355

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 6 ohm loads, both channels driven, from 120 – 10,000 Hz: rated 150 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.

North American model:

HCD-GX555

Front speaker

Continuous RMS power output (reference):

145 + 145 watts (6 ohms at 1 kHz, 10% THD)

Total harmonic distortion less than 0.07% (6 ohms at 1 kHz, 80 W)

Sub woofer

Continuous RMS power output (reference):

170 watts (6 ohms at 80 Hz, 10% THD)

Total harmonic distortion less than 0.07% (6 ohms at 80 Hz, 90 W)

HCD-GX355

Continuous RMS power output (reference):

150 + 150 watts (6 ohms at 1 kHz, 10% THD)

Total harmonic distortion less than 0.07% (6 ohms at 1 kHz, 80 W)

European and Russian models:

HCD-RG475

Front speaker

DIN power output (rated): 110 + 110 watts (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):

140 + 140 watts (6 ohms at 1 kHz, 10% THD)

Music power output (reference):

280 + 280 watts (6 ohms at 1 kHz, 10% THD)

Sub woofer

DIN power output (rated): 130 watts (6 ohms at 80 Hz, DIN)

Continuous RMS power output (reference):

160 watts (6 ohms at 80 Hz, 10% THD)

Music power output (reference):

320 watts (6 ohms at 80 Hz, 10% THD)

HCD-RG270

DIN power output (rated): 80 + 80 watts (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):

100 + 100 watts (6 ohms at 1 kHz, 10% THD)

Music power output (reference):

200 + 200 watts (6 ohms at 1 kHz, 10% THD)

– Continued on next page –

COMPACT DISC DECK RECEIVER

9-879-533-03
2005E05-1
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Sony Corporation
Personal Audio Group
Published by Sony Engineering Corporation

SONY®

HCD-GX355/GX555/RG270/RG475/RG575

Other models:

HCD-RG575

The following measured at AC 120, 127, 220, 240 V 50/60 Hz

Front speaker

DIN power output (rated): 100 + 100 watts (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):

125 + 125 watts (6 ohms at 1 kHz, 10% THD)

Sub woofer

DIN power output (rated): 120 watts (6 ohms at 80 Hz, DIN)

Continuous RMS power output (reference):

150 watts (6 ohms at 80 Hz, 10% THD)

HCD-RG475

Front speaker

The following measured at AC 120, 127, 220, 240 V 50/60 Hz

DIN power output (rated): 100 + 100 watts (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):

120 + 120 watts (6 ohms at 1 kHz, 10% THD)

Sub woofer

DIN power output (rated): 120 watts (6 ohms at 80 Hz, DIN)

Continuous RMS power output (reference):

150 watts (6 ohms at 80 Hz, 10% THD)

HCD-RG270

The following measured at AC 120, 127, 220, 240 V 50/60 Hz

DIN power output (rated): 100 + 100 watts (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):

125 + 125 watts (6 ohms at 1 kHz, 10% THD)

Inputs

AUDIO IN (stereo mini jack):

voltage 250 mV,
impedance 47 kilohms

MIC (phone jack) (Latin American model only):

sensitivity 1 mV,
impedance 10 kilohms

Outputs

PHONES (stereo mini jack):

accepts headphones of
8 ohms or more

VIDEO OUT (phono jack) (Mexican model only):

max. output level 1Vp-p,
unbalanced, Sync
negative, load impedance
75 ohms

SPEAKER:

accepts impedance of 6 to
16 ohms

SUBWOOFER OUT (HCD-GX555/RG575/
RG475 only):

accepts impedance of 6 to
16 ohms

CD player section

System Compact disc and digital audio system

Laser Diode Properties Emission duration: continuous
Laser Output*: Less than 44.6μW

* This output is the value measurement at a distance of 200mm from the objective lens surface on the Optical Pick-up Block with 7mm aperture.

Frequency response 2 Hz – 20 kHz (±0.5 dB)

Signal-to-noise ratio More than 90 dB

Dynamic range More than 90 dB

Tape deck section

Recording system 4-track 2-channel, stereo

Frequency response 50 – 13,000 Hz (±3 dB), using Sony TYPE I cassettes

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range

North American model: 87.5 – 108.0 MHz (100 kHz step)

Other models: 87.5 – 108.0 MHz (50 kHz step)

Antenna FM lead antenna

Antenna terminals 75 ohms unbalanced

Intermediate frequency 10.7 MHz

AM tuner section

Tuning range

Pan-American models: 530 – 1,710 kHz (with the tuning interval set at 10 kHz)

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

European, Russian and Saudi Arabian models: 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

Intermediate frequency 450 kHz

General

Power requirements

North American model: 120 V AC, 60 Hz

European and Russian models:

230 V AC, 50/60 Hz

Australian model: 230 – 240 V AC, 50/60 Hz

Argentine model: 220 V AC, 50/60 Hz

Mexican model: 127 V AC, 60 Hz

Saudi Arabian model: 120 – 127, 220 or

230 – 240 V AC, 50/60 Hz

Adjustable with voltage selector

Other models:

120 V, 220 V or

230 – 240 V AC, 50/60 Hz

Adjustable with voltage selector

Power consumption

USA model:

HCD -GX555: 285 watts

HCD -GX355: 210 watts

Canadian model:

HCD -GX555: 380 VA

HCD -GX355: 290 VA

European and Russian models:

HCD-RG475: 300 watts

0.25 watts (at the Power Saving Mode)

HCD -RG270: 190 watts

0.25 watts (at the Power Saving Mode)

Other models:

HCD-RG575: 300 watts

HCD-RG475: 300 watts

HCD -RG270: 210 watts

Dimensions (w/h/d) (excl. speakers)

Approx. 280 × 325
430 mm

Mass (excl. speakers)

North American models:

HCD-GX555: Approx. 10.5 kg

HCD-GX355: Approx. 10.0 kg

Canadian model:

HCD-GX555: Approx. 10.5 kg

HCD-GX355: Approx. 10.0 kg

European and Russian models:

HCD-RG475: Approx. 10.5 kg

HCD-RG270: Approx. 8.7 kg

Other models:

HCD-RG575: Approx. 10.5 kg

HCD-RG475: Approx. 10.5 kg

HCD-RG270: Approx. 10.0 kg

Design and specifications are subject to change without notice.

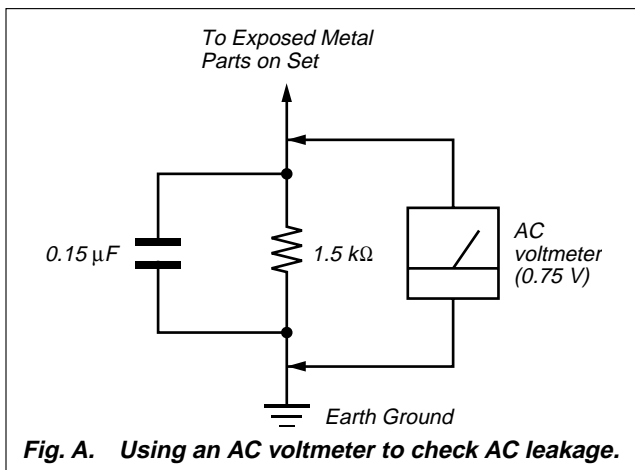
SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer: Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

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



SAFETY-RELATED COMPONENT WARNING!!

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

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

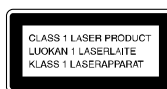
Notes on chip component replacement

- 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. This marking is located on the rear exterior.

<p>DANGER INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.</p>	<p>DANGER RADIATION DE LESER INVISIBLE LORS D'OUVERTURE. AVEC L'ENCLANCHÉMENT DE SECURITÉ ANNULÉ. ÉVITER L'EXPOSITION DIRECTE AU RAYON.</p>
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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.

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- Abbreviation
- MX: Mexican model

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

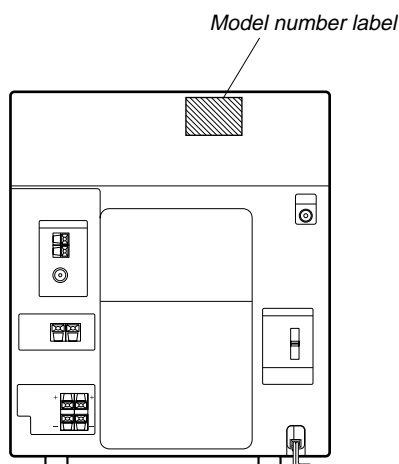
The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the "S curve check" in "CD section adjustment" and check that the S curve waveforms is output three times.

• MODEL IDENTIFICATION

– Back Panel –



Label indication	Model
2-348-857-01 CA	GX355: CND
2-560-970-01 U	GX555: US
2-560-971-01 CA	GX555: CND
2-560-972-01 CED	RG475: AEP, UK, EE, RU
2-560-974-01 E3	RG475: E3
2-560-975-01 AU	RG475: AUS
2-560-979-01 U	GX355: US
2-560-980-01 CED	RG270: AEP, UK, EE, RU
2-560-982-01 E3	RG270: E3
2-560-982-11 E2	RG270: E2
2-560-983-01 EA3	EA
2-560-984-01 SP2	RG475: SP
2-560-985-01 AU	RG270: AUS
2-560-986-01 E51	RG270: E51
2-560-987-01 MX4	RG270: MX
2-560-987-11 MX4	
2-560-988-01 AR	RG270: AR
2-560-995-01 SP2	RG575: SP
2-580-005-01 E2	RG575: E2
2-580-005-11 E3	
2-580-007-01 E51	RG575: E51
2-580-008-01 MX4	RG575: MX
2-580-008-11 MX4	
2-580-009-01 AR	RG575: AR

• Abbreviation

- AR : Argentine model
- AUS : Australian model
- CND : Canadian model
- E2 : 120V AC Area in E model
- E3 : 240V AC Area in E model
- E51 : Chilean and Peruvian models
- EA : Saudi Arabia model
- EE : East European model
- MX : Mexican model
- RU : Russian model
- SP : Singapore model

**SECTION 2
GENERAL**

This section is extracted from instruction manual.

• Location of Controls

Main unit

ALPHABETICAL ORDER

A - O

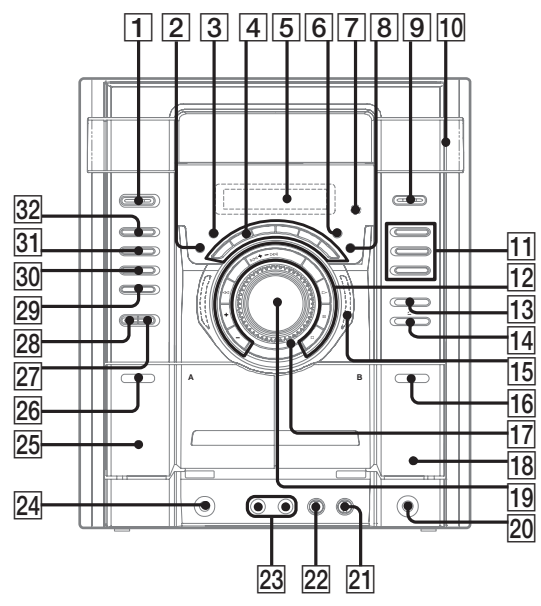
- ALBUM +/- 12
- AUDIO IN 29
- AUDIO IN jack 24
- CD 32
- CD SYNC 27
- Deck A 25
- Deck B 18
- DISC 1 - 3 11
- DISC SKIP/EX-CHANGE 13
- Disc tray 10
- DISPLAY 3
- Display window 5
- ECHO LEVEL¹⁾ 21
- EFFECT ON/OFF 4
- ENTER 4
- EQ BAND 12
- GROOVE 4
- ILLUMINATION 2
- MIC jack²⁾ 23
- MIC LEVEL²⁾ 22
- MULTIPLY¹⁾ 6
- Operation Dial
(- EQ +/||<<< >>>||/ - TUNING +) 17

P - Z

- P FILE 4
- PHONES jack 20
- PLAY MODE 8
- Power illuminator 15
- PRESET EQ 4
- REC PAUSE/START 29
- Remote sensor 7
- SUBWOOFER ON/OFF³⁾ 9
- SURROUND 4
- TAPE A/B 30
- TUNER/BAND 31
- TUNING MODE 8
- VOLUME control 19

BUTTON DESCRIPTIONS

- I/⏻ (power) 1
- ⏸ (pause) 12
- (stop) 12
- ⏩ (fast forward) 12
- ▶ (play) 12
- ⏪ (rewind) 12
- ▲ (eject) 14
- PUSH ▲ (deck B) (eject) 16
- ▲ PUSH (deck A) (eject) 26
- 1) Mexican model only
- 2) Latin American model only (Mexican model comes with 2 microphone jacks)
- 3) HCD-GX555/RG575/RG475 only



Remote control

ALPHABETICAL ORDER

A - E

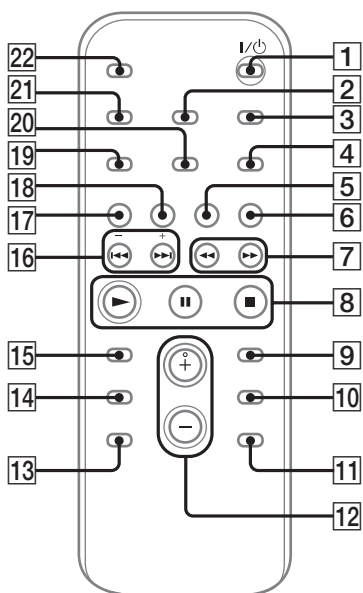
- ALBUM + 11
- ALBUM - 13
- CD 18
- CLEAR 15
- CLOCK/TIMER SELECT 2
- CLOCK/TIMER SET 3
- DISC SKIP 10
- DISPLAY 21
- ENTER 9
- EQ 14

F - Z

- FM MODE 4
- FUNCTION 6
- PLAY MODE 20
- REPEAT 4
- SLEEP 22
- TAPE 17
- TUNER BAND 5
- TUNER MEMORY 19
- TUNING MODE 20
- VOLUME +/- 12

BUTTON DESCRIPT

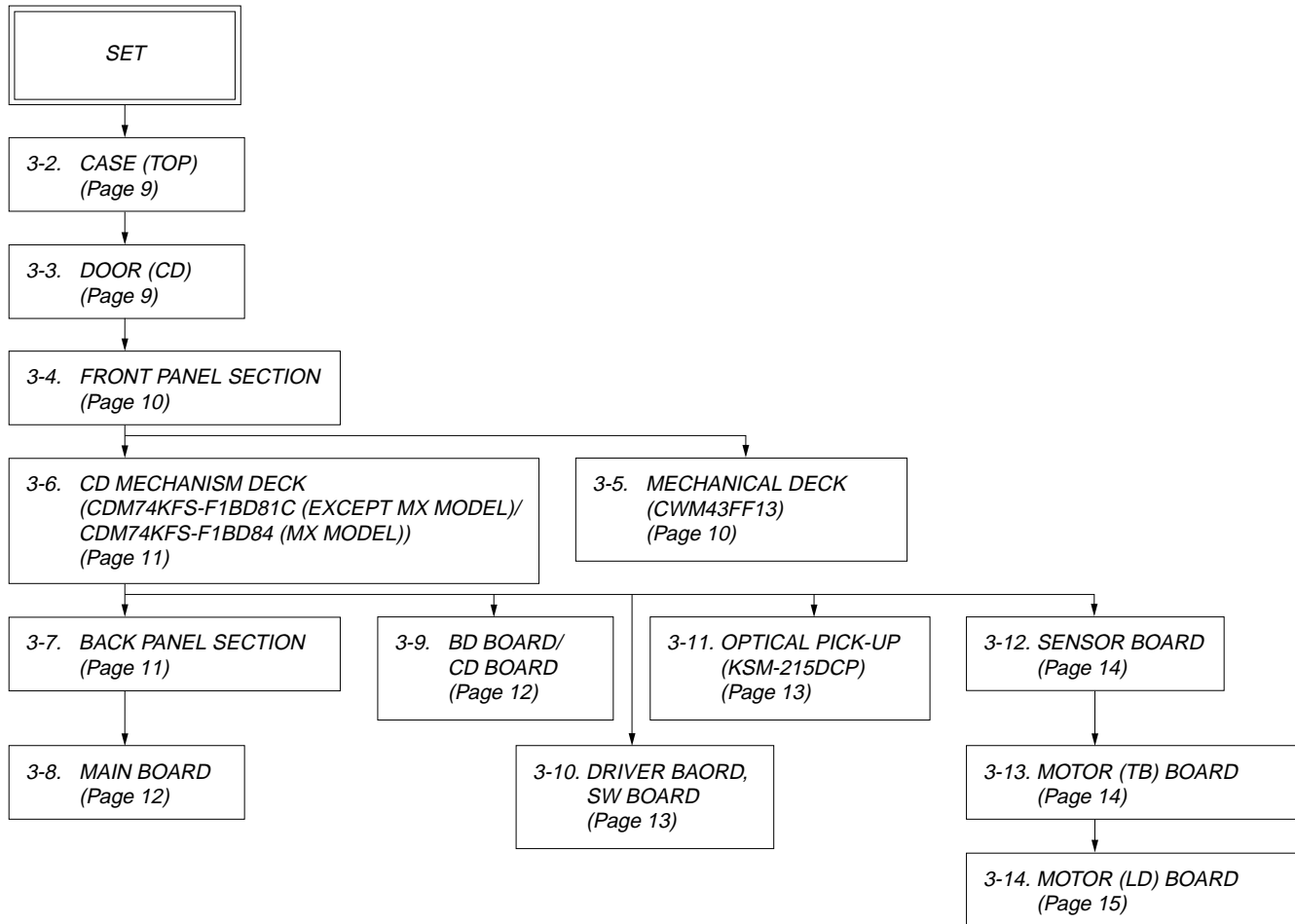
- I/⏻ (power) 1
- ◀◀/▶▶ (rewind/fast forward) 7
- ▶ (play) 8
- ⏸ (pause) 8
- (stop) 8
- +/- (tuning) 16
- ◀◀/▶▶ (go back/go forward) 16



SECTION 3 DISASSEMBLY

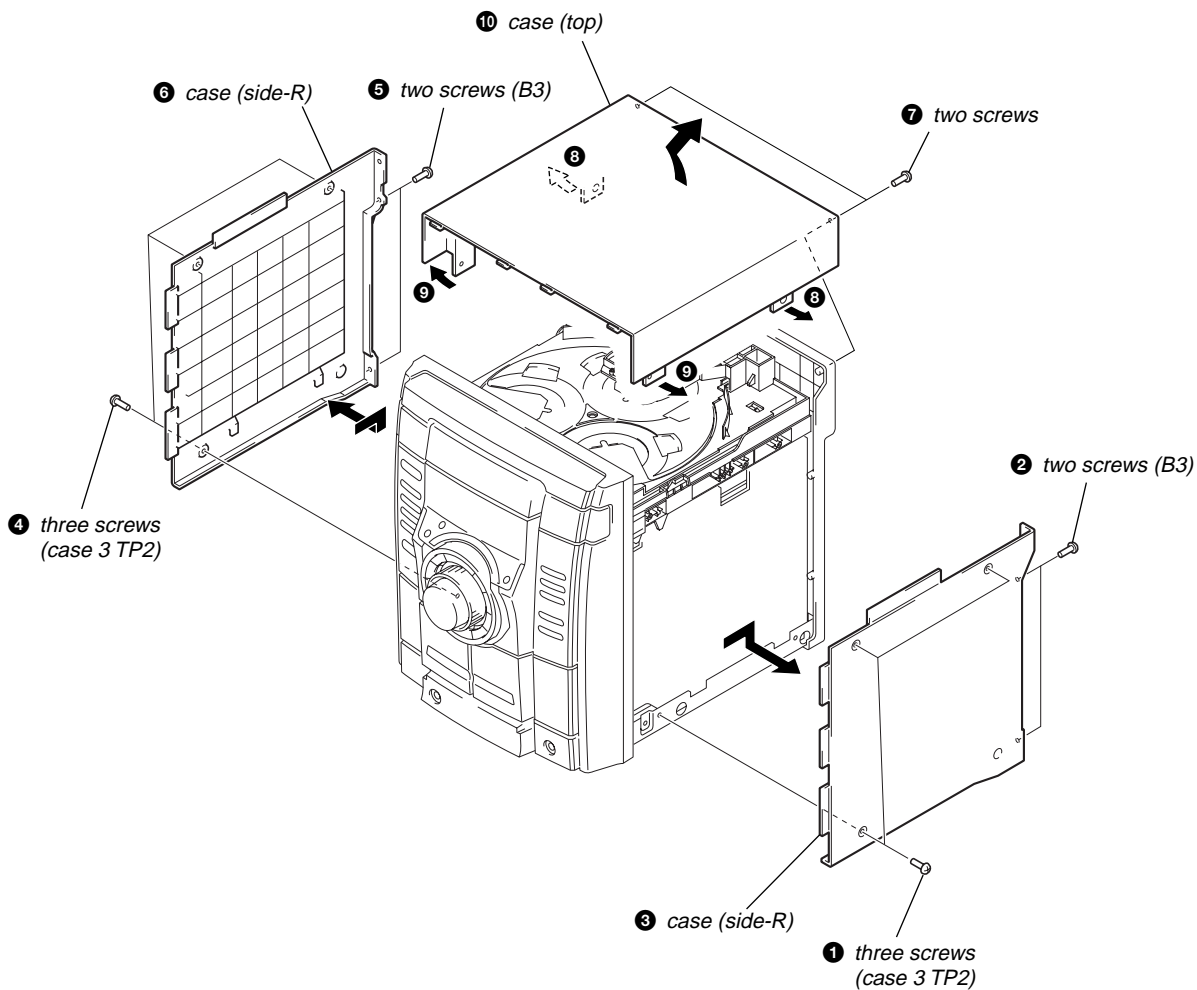
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

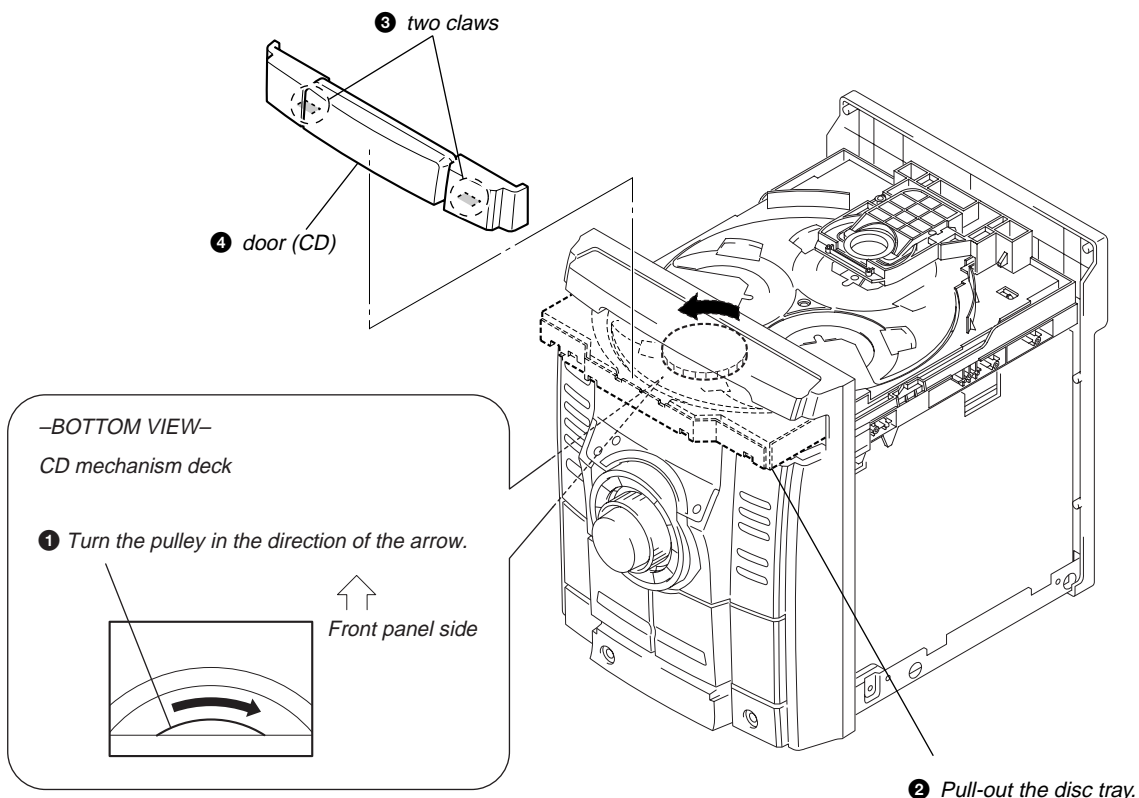


Note: Follow the disassembly procedure in the numerical order given.

3-2. CASE (TOP)



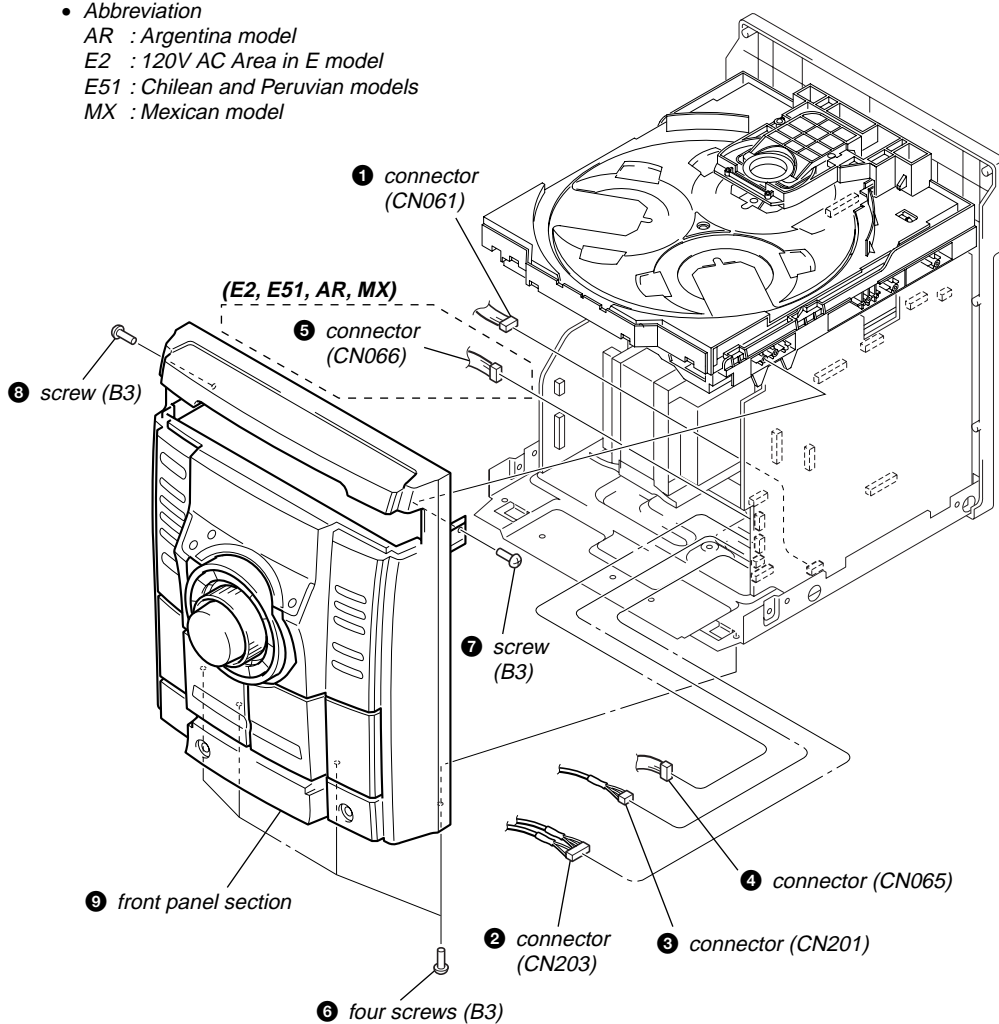
3-3. DOOR (CD)



2 Pull-out the disc tray.

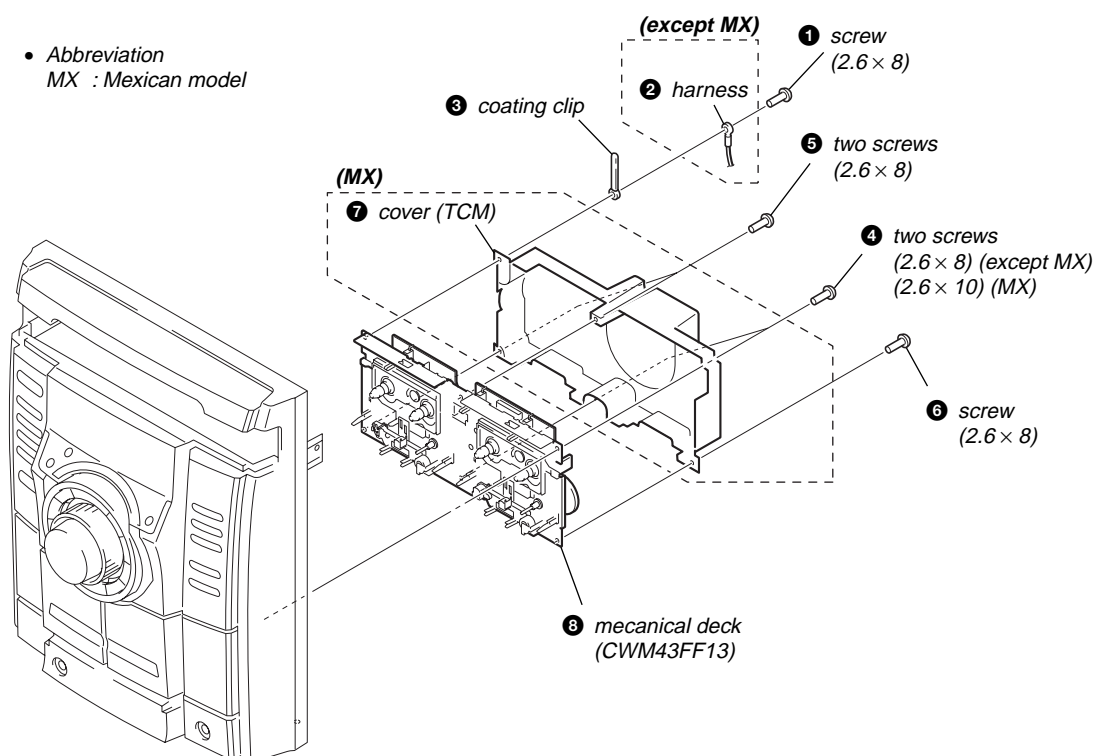
3-4. FRONT PANEL SECTION

- Abbreviation
 AR : Argentina model
 E2 : 120V AC Area in E model
 E51 : Chilean and Peruvian models
 MX : Mexican model

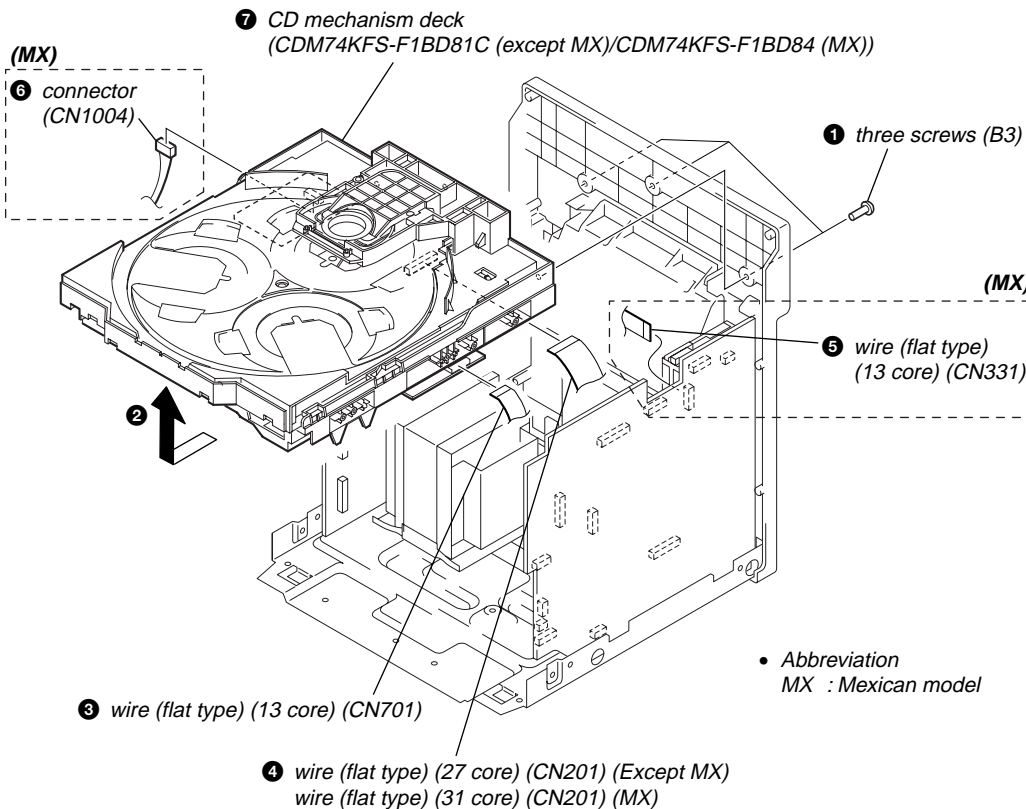


3-5. MECHANICAL DECK (CWM43FF13)

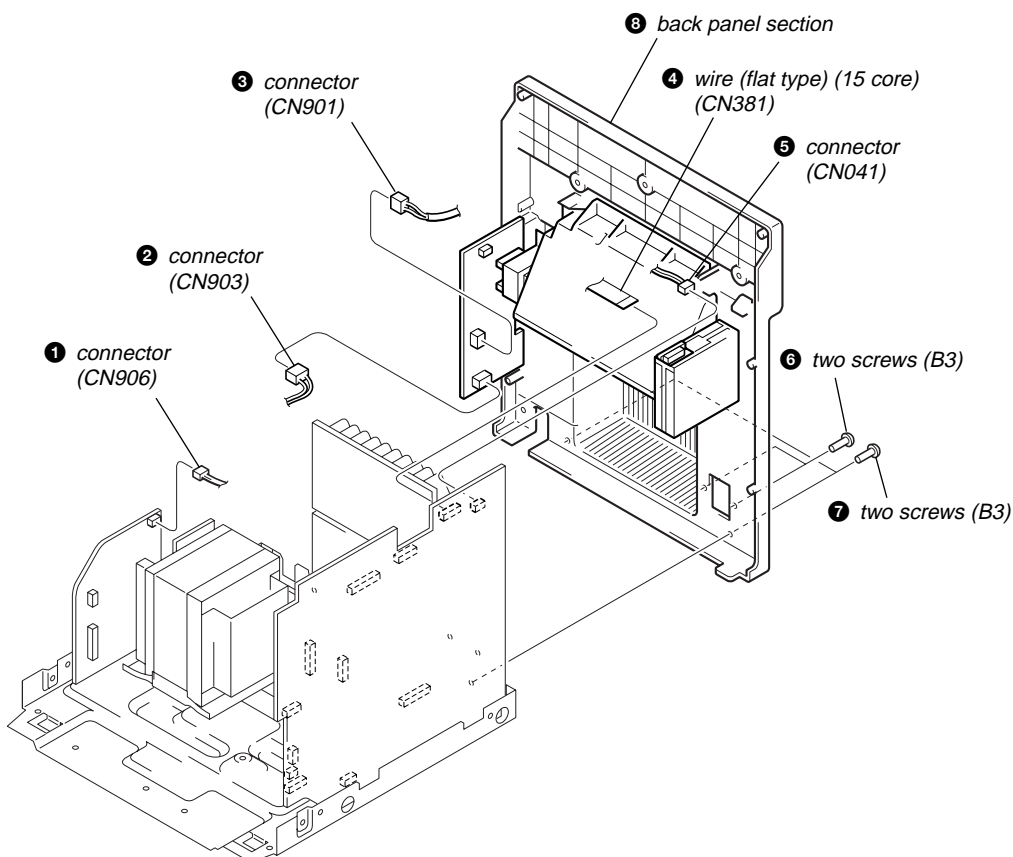
- Abbreviation
 MX : Mexican model



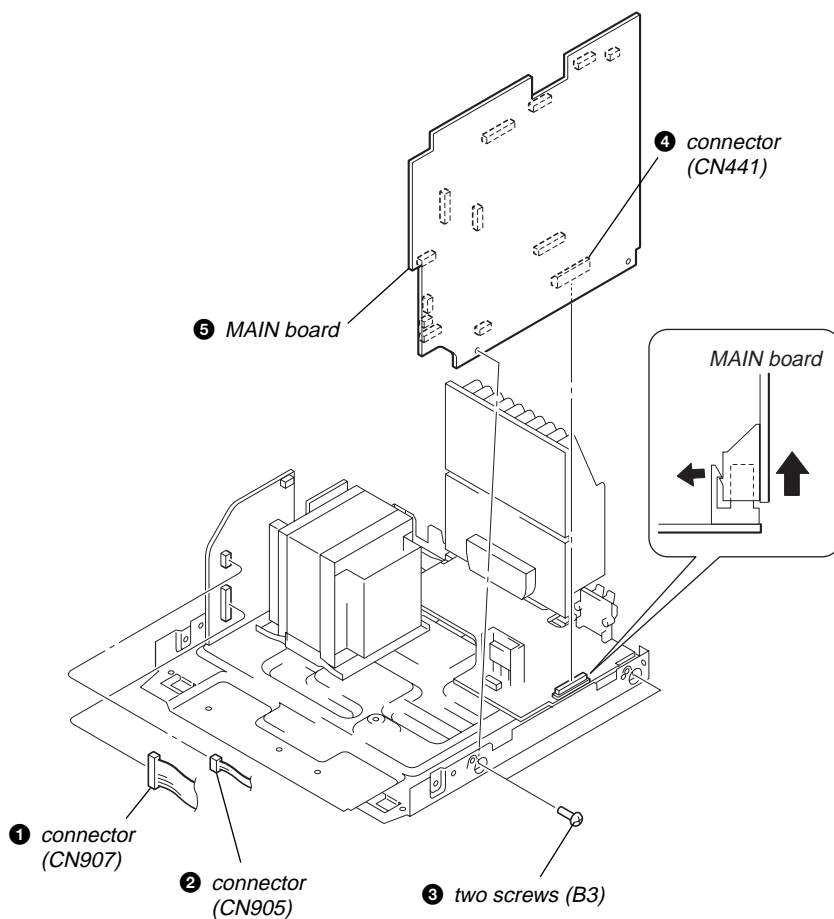
3-6. CD MECHANISM DECK
(CDM74KFS-F1BD81C (EXCEPT MX MODEL)/CDM74KFS-F1BD84 (MX MODEL))



3-7. BACK PANEL SECTION

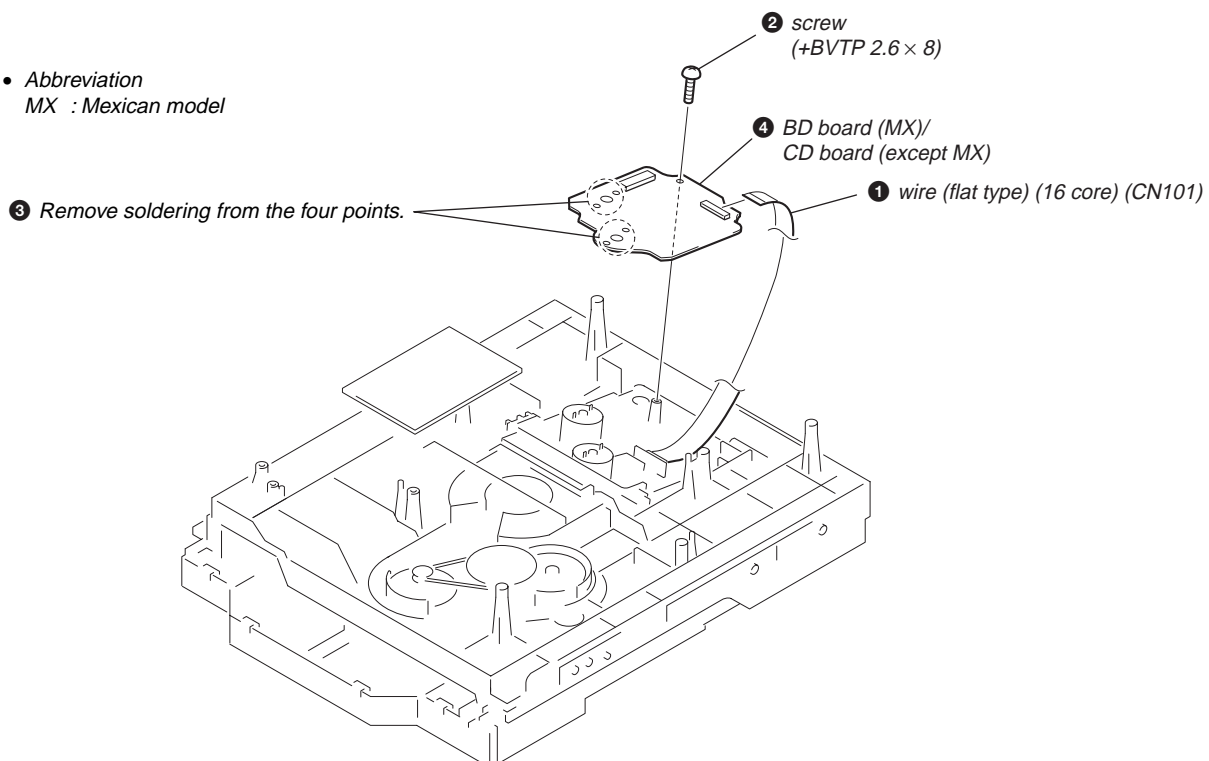


3-8. MAIN BOARD

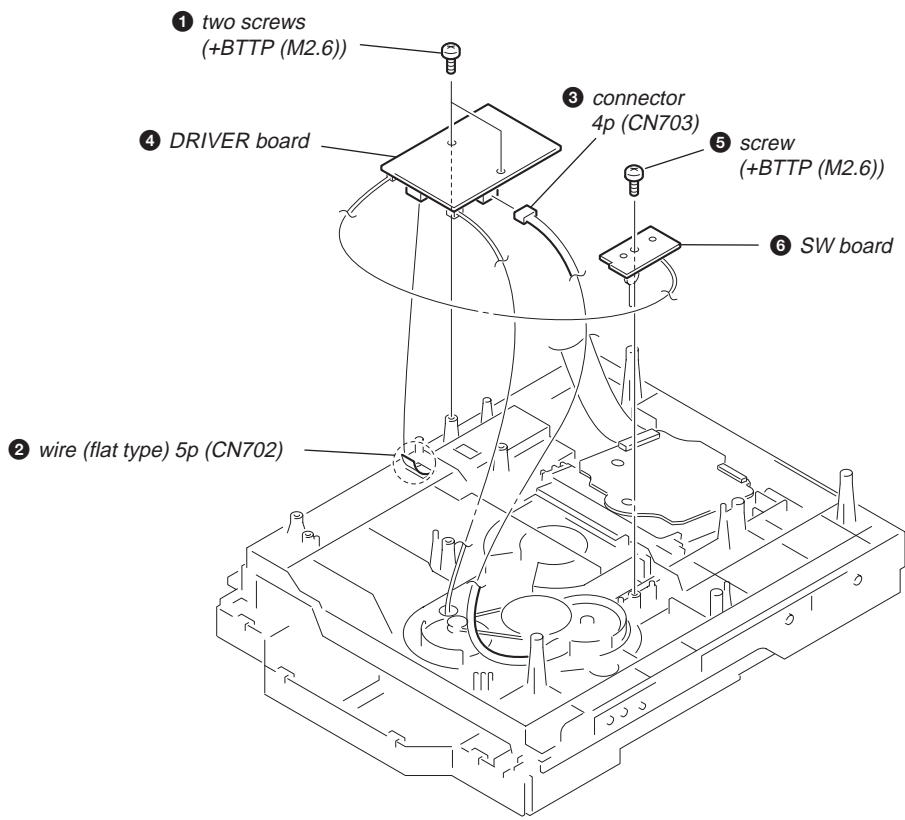


3-9. BD BOARD/CD BOARD

- Abbreviation
MX : Mexican model

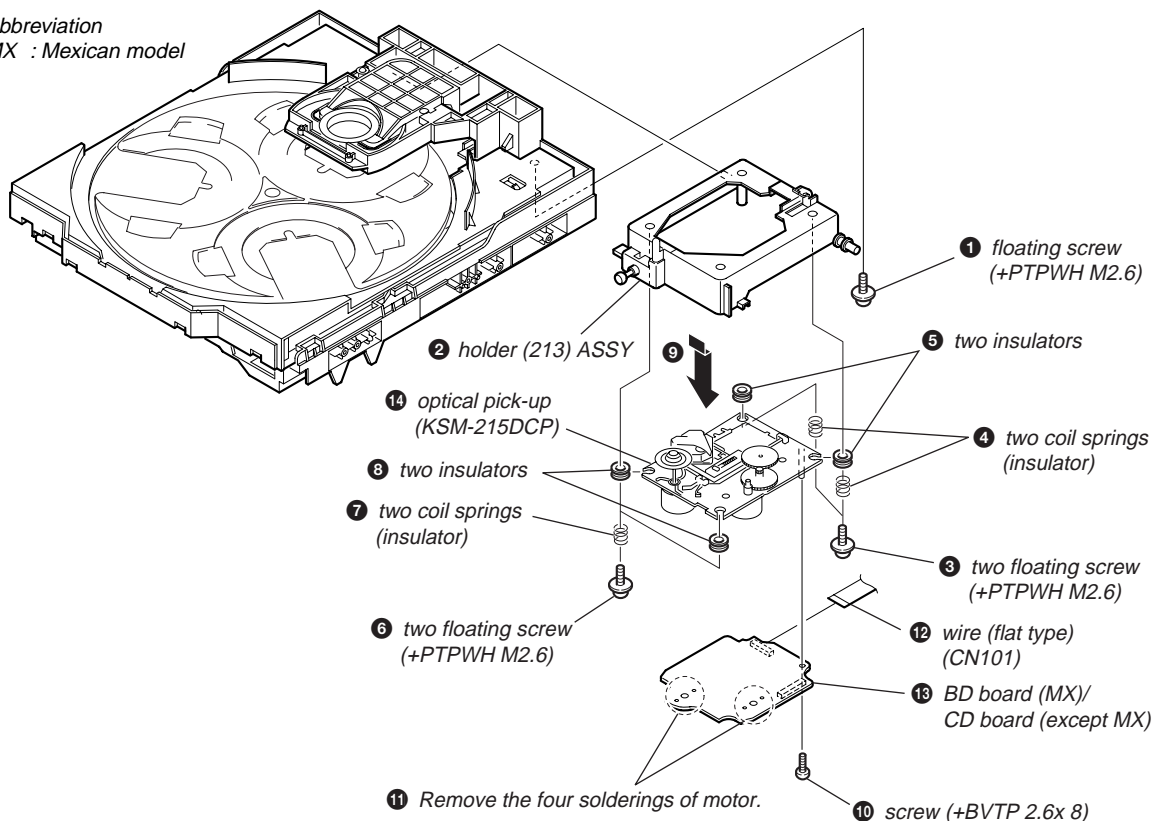


3-10. DRIVER BOARD, SW BOARD

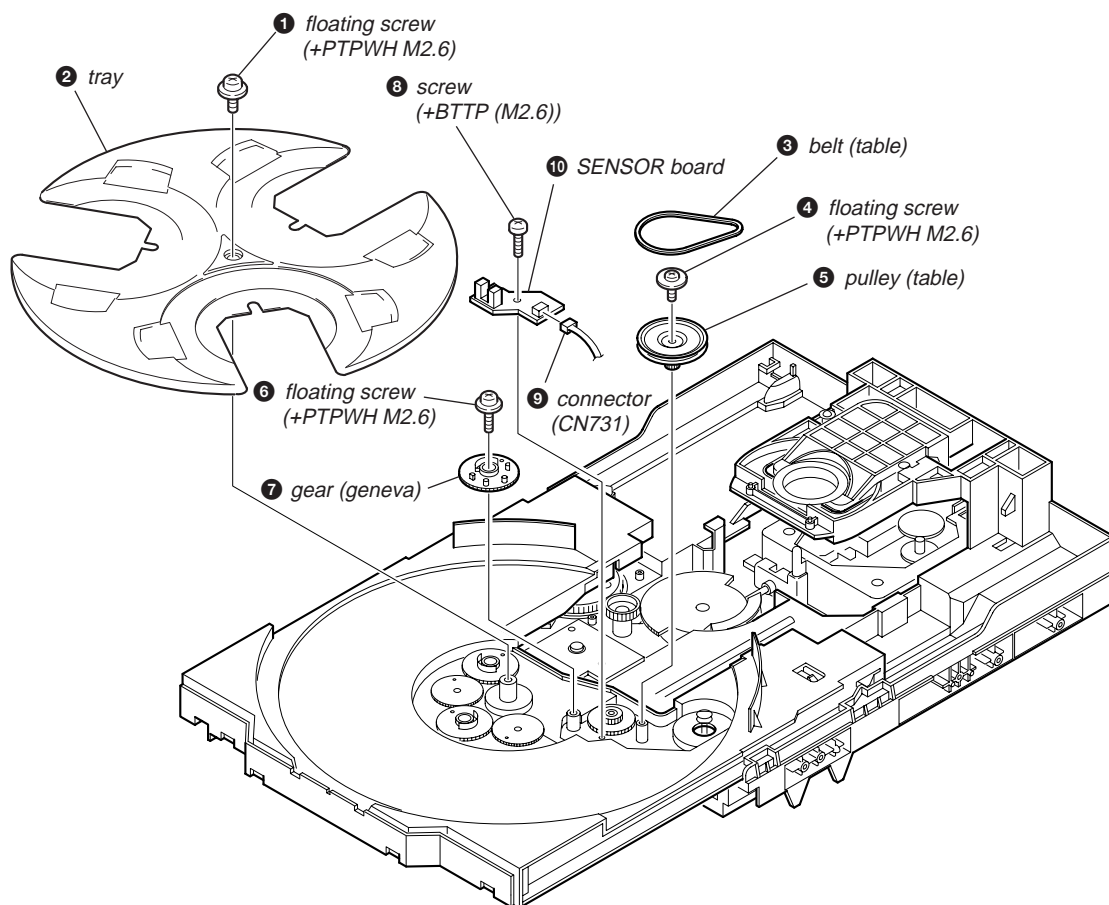


3-11. OPTICAL PICK-UP (KSM-215DCP)

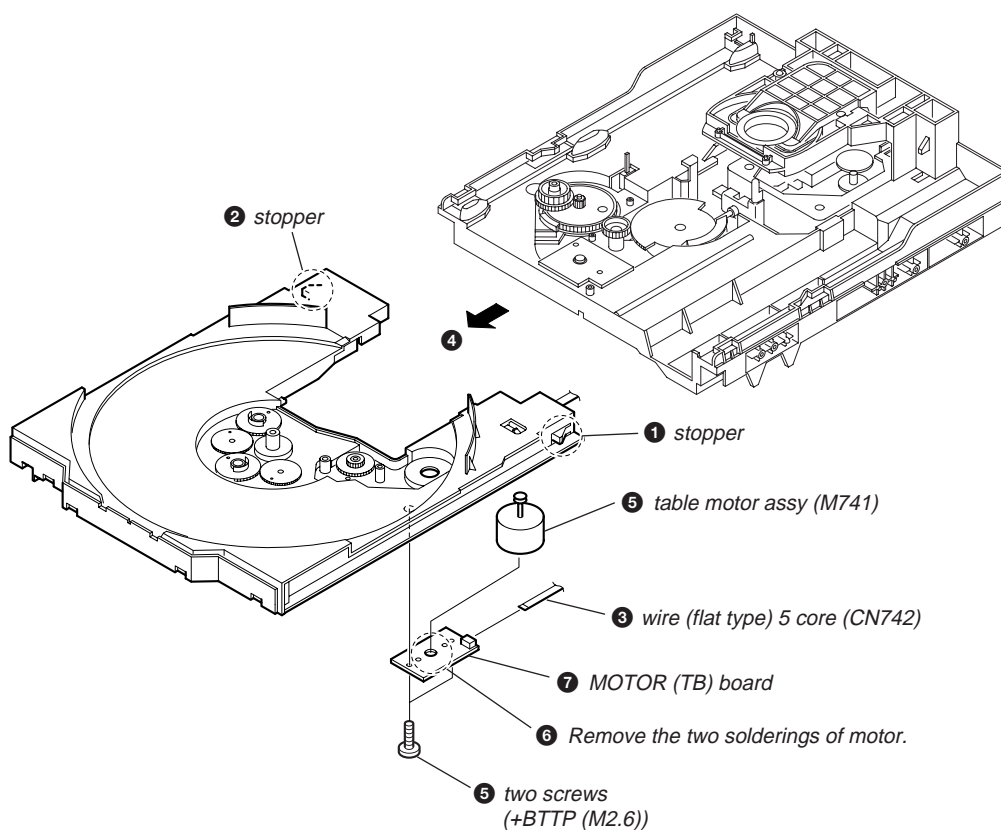
• Abbreviation
MX : Mexican model



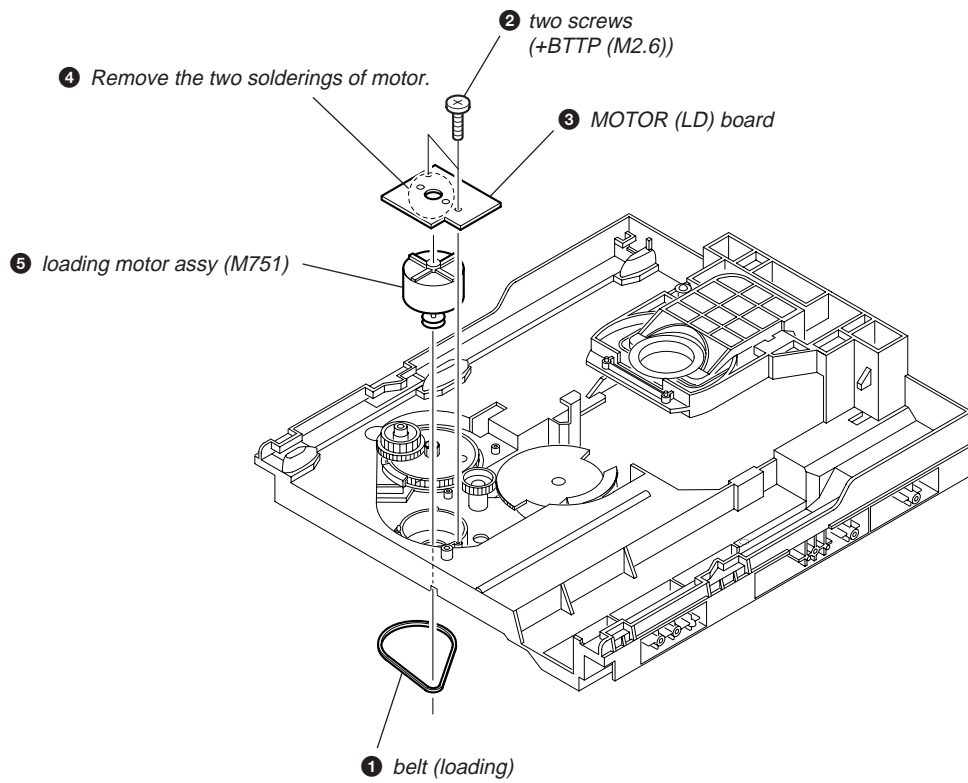
3-12. SENSOR BOARD



3-13. MOTOR (TB) BOARD



3-14. MOTOR (LD) BOARD



SECTION 4 TEST MODE

MC 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:

1. Press three buttons of **[■]**, **[ILLUMINATION]** and **[DISC 1]** simultaneously.
2. The message "COLD RESET" is displayed on the fluorescent indicator tube momentarily, then becomes standby states.

AM TUNING INTERVAL CHANGE-OVER (Except AEP, UK, East European, Russian models)

A step of AM tuning interval can be changed over between 9 kHz and 10 kHz.

Procedure:

1. Press the **[I/O]** button to turn the power on.
2. Press the **[TUNER/BAND]** button to select "AM".
3. Press the **[I/O]** button to turn the power off.
4. Press two buttons of **[PLAY MODE/TUNING MODE]** and **[I/O]** simultaneously.
5. The message "AM 9K STEP" or "AM 10K STEP" is displayed on the fluorescent indicator tube, and thus the channel step is changed over.

CD SHIP (LOCK) MODE

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 **[CD]** button to select "CD".
3. Press two buttons of **[CD]** and **[POWER]** simultaneously.
4. The message "LOCK" is displayed on the fluorescent indicator tube, and the CD ship mode is set.

CD SHIP (LOCK) MODE & COLD RESET

This mode is used to perform CD chip (lock) mode and cold reset simultaneously.

Procedure:

1. Press the **[I/O]** button to turn the power on.
2. Press the **[CD]** button to select "CD".
3. Press three buttons of **[■]**, **[CD]** and **[DISPLAY]** simultaneously.
4. The message "COLD RESET" is displayed on the fluorescent indicator tube momentarily, then becomes standby states.

CD TRAY LOCK MODE

This mode is used to unable to take sample disc out of tray in the shop.

Procedure:

1. Press the **[I/O]** button to turn the power on.
2. Press the **[CD]** button to select "CD".
3. Load a disc and press two buttons of **[■]** and **[▲]** for 5 seconds.
4. The message "LOCKED" is displayed on the fluorescent indicator tube and the CD tray is locked. (Even if pressing the **[▲]** button, the message "LOCKED" is displayed on the fluorescent indicator tube and the CD tray is locked)
5. To release this mode, press two buttons of **[■]** and **[▲]** for 5 seconds.
6. The message "UNLOCKED" is displayed on the fluorescent indicator tube and the CD tray is unlocked.

AMP TEST MODE

This mode is used to display the parameter of amplifier IC and display the VACS status.

Procedure:

1. Press the **[I/O]** button to turn the power on.
2. Press three buttons of **[■]**, **[ILLUMINATION]** and **[PRESET EQ]** simultaneously.
3. When the AMP test mode is activated, the message "AMP TEST IN" is displayed on the fluorescent indicator tube momentarily, then amplifier adjustment mode is displayed on the fluorescent indicator tube.
4. Press the **[DISPLAY]** button to changed over between VACS status display mode and the amplifier IC parameter display mode.
5. In this mode, press the **[GROOVE]** button to changed over DBFB on/off, and "DBFB ON" or "DBFB OFF" is displayed on the fluorescent indicator tube.
6. In this mode, press the **[SURROUND]** button to changed over surround on/off, and "SURROUND ON" or "SURROUND OFF" is displayed on the fluorescent indicator tube.
7. In this mode, press the **[EQ BAND]** button to enter the equalizer adjustment mode.
In the equalizer adjustment mode, press the **[EQ BAND]** button to change over the adjustment band as LOW/MID/HIGH. And turn the **[◀◀-EQ+▶▶]** knob to adjust the equalizer level of each bands.
8. To release the amplifier IC parameter display mode or equalizer adjustment mode, press the **[I/O]** button to the power off.

AGING MODE

This mode can be used for operation check of CD section and tape deck section.

CD section and tape deck section work in parallel.

If an error occurred:

The aging operation stops only an error occurred sections and display then status.

If no error occurs:

The aging operation continues repeatedly.

Procedure:

1. Press the [I/O] button to turn the power on.
2. Press the [CD] button to select "CD".
3. Load three discs and insert two tape to the deck A and B.
4. Press three buttons of [■], [ILLUMINATION] and [DISC SKIP/EX-CHANGE] simultaneously.
5. Aging operations of CD and tape are started at the same time.
6. To release this mode, press the [I/O] button to turn the power off or press the function buttons to change the function.

1. Display at the Aging Mode

Display operating state of CD section and tape deck section alternately.

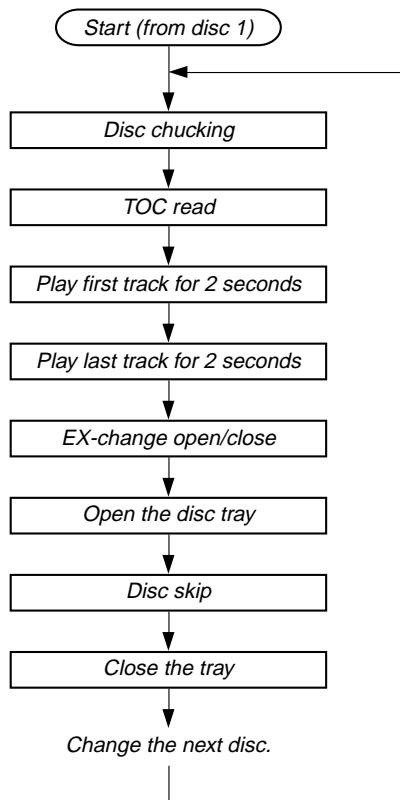
If an error occurred, stop display which that section.

2. CD Section

The sequence during the aging mode is following as below.

Display at the aging mode is the same as the normal operation.

Aging mode sequence (CD section) :

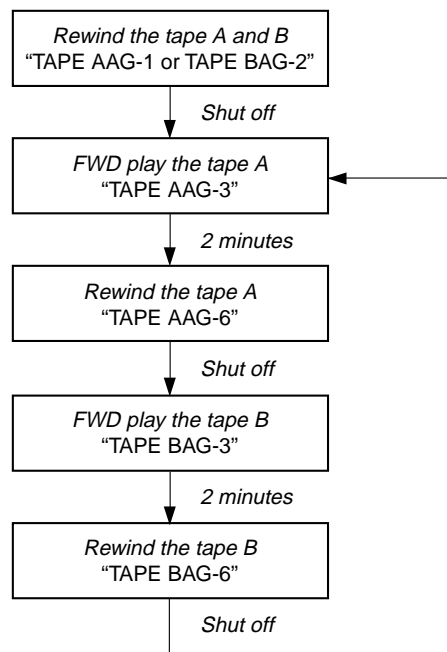


3. Tape Deck Section

The sequence during the aging mode is following as below.

If an error occurred, stop display that step.

Aging mode sequence (tape deck section) :



Note: "TAPE *AG-*" is display of each step.

PANEL TEST MODE

This mode is used to check the fluorescent indicator tube, LEDs and buttons.

Procedure:

1. Press the [I/O] button to turn the power on.
2. Press three buttons of [■], [ILLUMINATION] and [GROOVE] simultaneously.
3. Fluorescent indicator tube and LEDs are all turned on.
4. Press two buttons of [ALBUM-] and [ENTER] simultaneously, mode is changed over.
5. In the key check mode, press each key, the defined key number of every each key list is displayed on the fluorescent indicator tube.
6. In the key count check mode, "KEYCNT 0" is displayed on the fluorescent indicator tube. Each time a key is pressed, "K" value increases. However, once a key is pressed, it is no longer taken into account.
7. In the headphone input check mode, connect the headphone, the message "H_P ON" is displayed on the fluorescent indicator tube, and disconnect the headphone, the message "H_P OFF" is displayed on the fluorescent indicator tube.
8. In the volume check mode, "VOLUME FLAT" is displayed on the fluorescent indicator tube. Turn the [MASTER VOLUME] knob clockwise, the message "VOLUME UP" is displayed on the fluorescent indicator tube momentarily and turn the [MASTER VOLUME] knob counterclockwise, the message "VOLUME DOWN" is displayed on the fluorescent indicator tube momentarily.

MC TEST MODE

This mode is used to check operations of microprocessor.

Procedure:

1. Press the **[I/O]** button to turn the power on.
2. Press three buttons of **[■]**, **[ILLUMINATION]** and **[DISC 3]** simultaneously.
3. When the MC test mode is activated, VACS level is displayed on the fluorescent indicator tube momentarily.
4. Turn the **[◀◀-EQ+▶▶]** knob clockwise, the message "ALL EQ MAX" is displayed on the fluorescent indicator tube momentarily and turn the **[◀◀-EQ+▶▶]** knob counter-clockwise, the message "ALL EQ MIN" is displayed on the fluorescent indicator tube momentarily.
5. Press the **[PRESET EQ]** button, the message "ALL EQ FLAT" is displayed on the fluorescent indicator tube momentarily.
6. Turn the **[MASTER VOLUME]** knob clockwise, the message "VOLUME MAX" is displayed on the fluorescent indicator tube momentarily and turn the **[MASTER VOLUME]** knob counterclockwise, the message "VOLUME MIN" is displayed on the fluorescent indicator tube momentarily.
7. Press the **[GROOVE]** button to changed over VACS on/off.
8. When the **[CD SYNC]** key is pressed with the test tape (AMS-100, AMS-110A) in the deck, number of space between tunes is counted, then if AMS-110A is set, "OK" is displayed on the fluorescent indicator tube and if AMS-100 is set, "NG" is displayed on the fluorescent indicator tube.
9. Press the **[I/O]** button to release from this mode, then cold reset is performed.

VERSION DISPLAY MODE

This mode is used to check the model, destination and software version.

Procedure:

1. Press the **[I/O]** button to turn the power on.
2. Press three buttons of **[■]**, **[ILLUMINATION]** and **[DISC 2]** simultaneously.
3. When this mode is activated, model and destination is displayed on the fluorescent indicator tube.
4. Press the **[DISPLAY]** button to changed over between software version and year, month, day of the software creation display mode and model and destination display mode.
5. To release this mode, press three buttons of **[■]**, **[ILLUMINATION]** and **[DISC 2]** simultaneously.

CD ERROR CODE DISPLAY MODE

This mode can be used for error code display of CD section.

Procedure:

1. Press the **[I/O]** button to turn the power on.
2. Press the **[CD]** key to select "CD".
3. Press three buttons of **[■]**, **[CD]** and **[DISC 1]** simultaneously.
4. When this mode is activated, mechanism deck error code is displayed on the fluorescent indicator tube.
5. Press the **[GROOVE]** button to changed over between optical pick-up error code display mode and mechanism deck error code mode.
6. Turn the **[◀◀-EQ+▶▶]** knob to change over display of error history.
7. To release this mode, press the **[I/O]** button to turn the power off.

1. Mechanism Deck Error Code Mode

When this mode is entered, mechanism deck error code is displayed with the 10-character format on the fluorescent indicator tube.

The first digit from the left indicates:

The first digit from the left indicates which mode the error history is. In the mechanism deck error code mode, "M" is displayed on the fluorescent indicator tube.

The second digit from the left indicates:

(Error history number display)

The second digit from the left indicates which order the error history is. "1" indicates the latest error history, and each time the number increases by one, the error history goes back to one-previous error.

The third and 4th digit from the left indicates:

(Error status display)

The third and 4th digit from the left indicates which error status is indicated.

Display	Status
0 0	No error
0 8	Table operation time-out (Table does not move to the target position within the specified time)
1 6	In the chucking down operation, the operation was retried by the maximum number of times but the operation could not be completed
1 7	In the chucking up and down operation, the reverse recovery processing was attempted but it could not be recovered
1 8	In the chucking up operation, the operation was retried by the maximum number of times but the operation could not be completed
2 0	Loading operation time-out (Table does not move to the target position within the specified time)
2 2	As the chuck was in the ex-open status at the initialization, the closing was attempted but could not be completed

The 5th and 6th digit from the left indicates:

(Present status display)

The 5th and 6th digit from the left indicates which operating status when an error occurred is indicated.

Display	Status
0 1	Open completion status
0 2	From open status, the movement to chucking down position is under way
0 3	From chucking down position, the open operation is under way
0 4	Chucking down completion status
1 0	The chucking down operation is under way
1 1	The chucking up operation is under way
1 2	Close completion status
1 3	From close status, the ex-open operation is under way
1 4	From ex-open status, the close operation is under way
1 8	Ex-pen completion status

The 7th and 8th digit from the left indicates:**(Motor status display)**

The 7th and 8th digit from the left indicates which motor output status when an error occurred is indicated.

Display	Status
× 0	No table motor output
× 1	Table motor forward output
× 2	Table motor backward output
× 3	Table motor break output
0 ×	No loading motor output
1 ×	Loading motor forward output
2 ×	Loading motor backward output
3 ×	Loading motor break output

The 9th and 10 th digit from the left indicates:**(Tray status display)**

The 9th and 10th digit from the left indicates which target processing when an error occurred is indicated.

Display	Status
0 1	Open operation
1 2	Close operation
1 8	Ex-open operation

2. Optical Pick-up Error Code Mode

When this mode is entered, optical pick-up error code is displayed with the 8-character format on the fluorescent indicator tube.

The first digit from the left indicates:

The first digit from the left indicates which mode the error history is. In the optical pick-up error code mode, "D" is displayed on the fluorescent indicator tube.

The second digit from the left indicates:**(Error history No. display)**

The second digit from the left indicates which order the error history is. "1" indicates the latest error history, and each time the number increases by one, the error history goes back to one-previous error.

The third and 4th digit from the left indicates:**(Error status display)**

The third and 4th digit from the left indicates which error status is indicated.

Display	Status
0 1	Not focused (TOC read without a disc)
0 2	GFS NG (TOC read with a disc chucked)
0 3	Start operation time-over
0 4	Defocused continuously (Defocused during TOC reading)
0 5	Q code not entered for specified time
0 6	Tracking not turned ON
0 7	Blank disc (Blank disc TOC read)

The 5th and 6th digit from the left indicates:**(Error step display)**

The 5th and 6th digit from the left indicates which processing when a trouble occurred

Display	Contents
0 1	Power OFF in progress
0 2	Initialize in progress
0 3	Oscillation stopping
0 4	From oscillation stop, oscillation starting
0 5	Stopping
0 6	Stop operation is under way
0 7	Start operation in progress
0 8	TOC read in progress
0 9	Search operation is under way
0 A	Playback operation is under way
0 B	Pause operation is under way
0 C	Playback manual search operation is under way
0 D	Pause manual search operation is under way
0 E	—






The 7th and 8th digit from the left indicates:

The 7th and 8th digit from the left indicates which operation in progress when a trouble occurred. (Step of each processing of the 5th and 6th digits is indicated)

5 REPEAT LIMIT CANCEL MODE

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

Procedure:

1. Press the  button to turn the power on.
2. Press the  button to select "CD".
3. Press three buttons of ,  and  simultaneously.
4. The message "LIMIT OFF" is displayed on the fluorescent indicator tube momentarily, CD repeat 5 limit is cancelled.

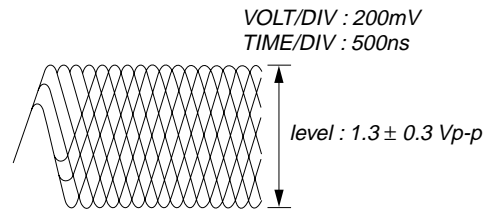
SECTION 5 ELECTRICAL ADJUSTMENTS

CD SECTION

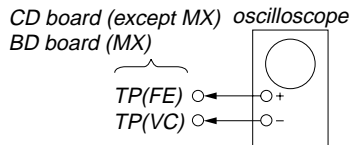
Note:

1. CD Block is basically designed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10MΩ impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.
 - Abbreviation
MX: Mexican model

RF signal waveform

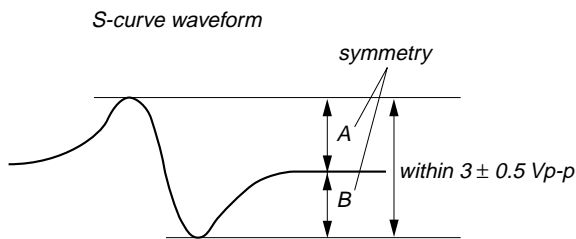


S-CURVE CHECK



Procedure:

1. Connect an oscilloscope to TP (FE) and TP (VC) on the CD board (except MX) or BD board (MX).
2. Press the button to turn the power on.
3. Load the disc (YEDS-18) and actuate the focus search. (In consequence of open and close the disc tray, actuate the focus search)
4. Confirm that the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 3 ± 0.5 Vp-p.



- Note:**
- Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7.
 - Take sweep time as long as possible and light up the brightness to obtain best waveform.

Connecting Location: CD board (except MX)
BD board (MX)

RFAC LEVEL CHECK



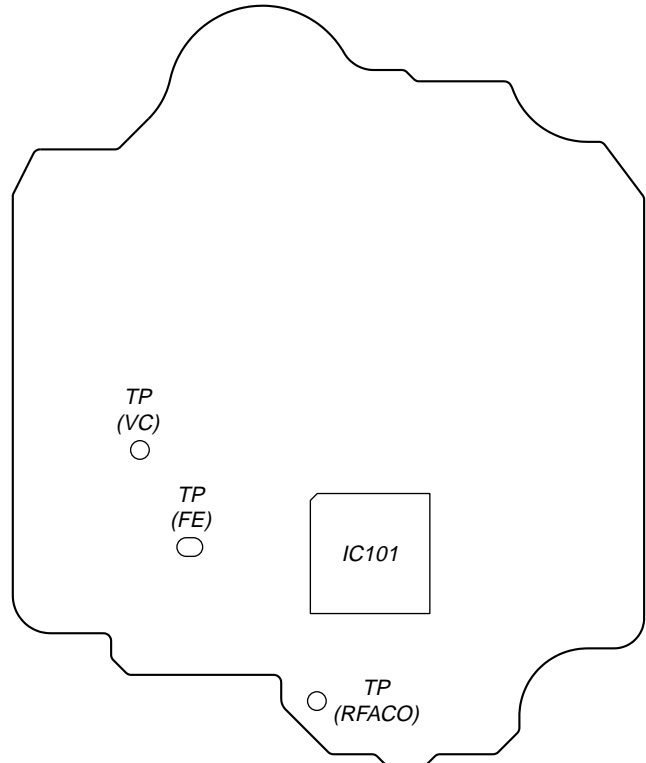
Procedure:

1. Connect an oscilloscope to TP (RFACO) and TP (VC) on the CD board (except MX) or BD board (MX).
2. Press the button to turn the power on.
3. Load the disc (YEDS-18) and playback.
4. Confirm that oscilloscope waveform is clear and check if RFAC signal level is correct or not.

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

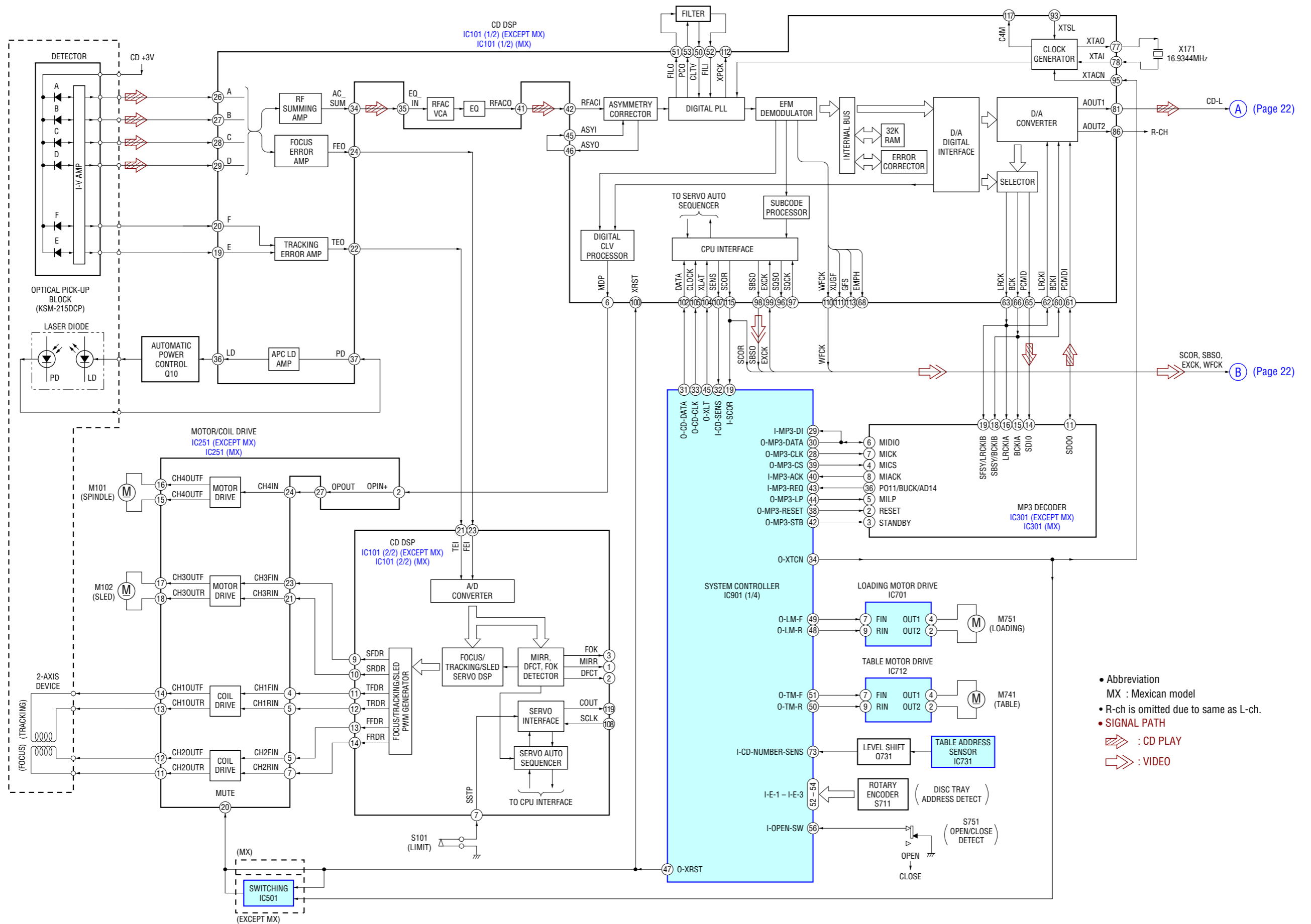
Connecting Location: CD board (except MX)
BD board (MX)

– CD BOARD (Conductor Side) (except MX) –
– BD BOARD (Conductor Side) (MX) –



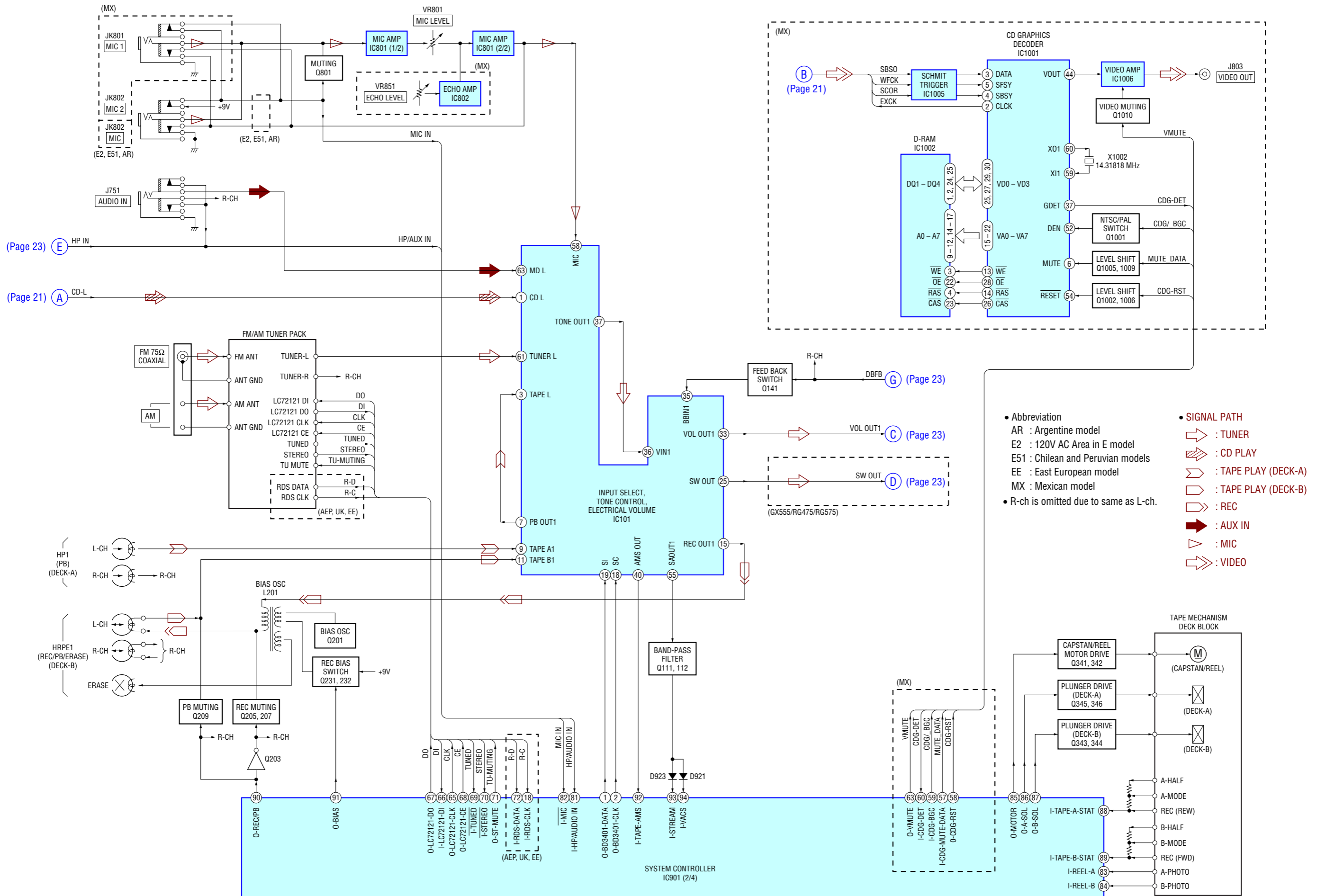
SECTION 6
DIAGRAMS

6-1. BLOCK DIAGRAM – CD SERVO Section –

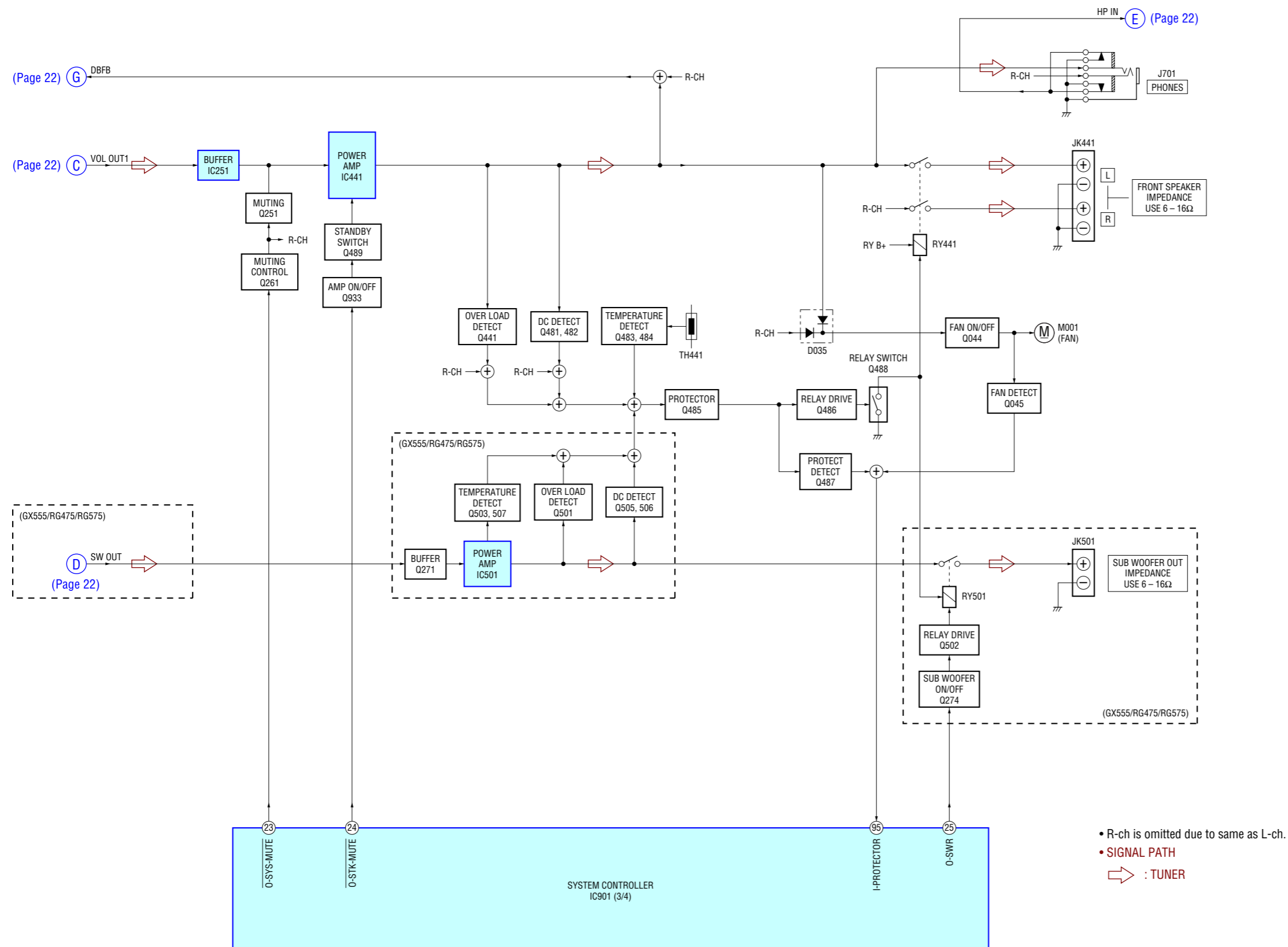


- Abbreviation
MX : Mexican model
- R-ch is omitted due to same as L-ch.
- SIGNAL PATH
 : CD PLAY
 : VIDEO

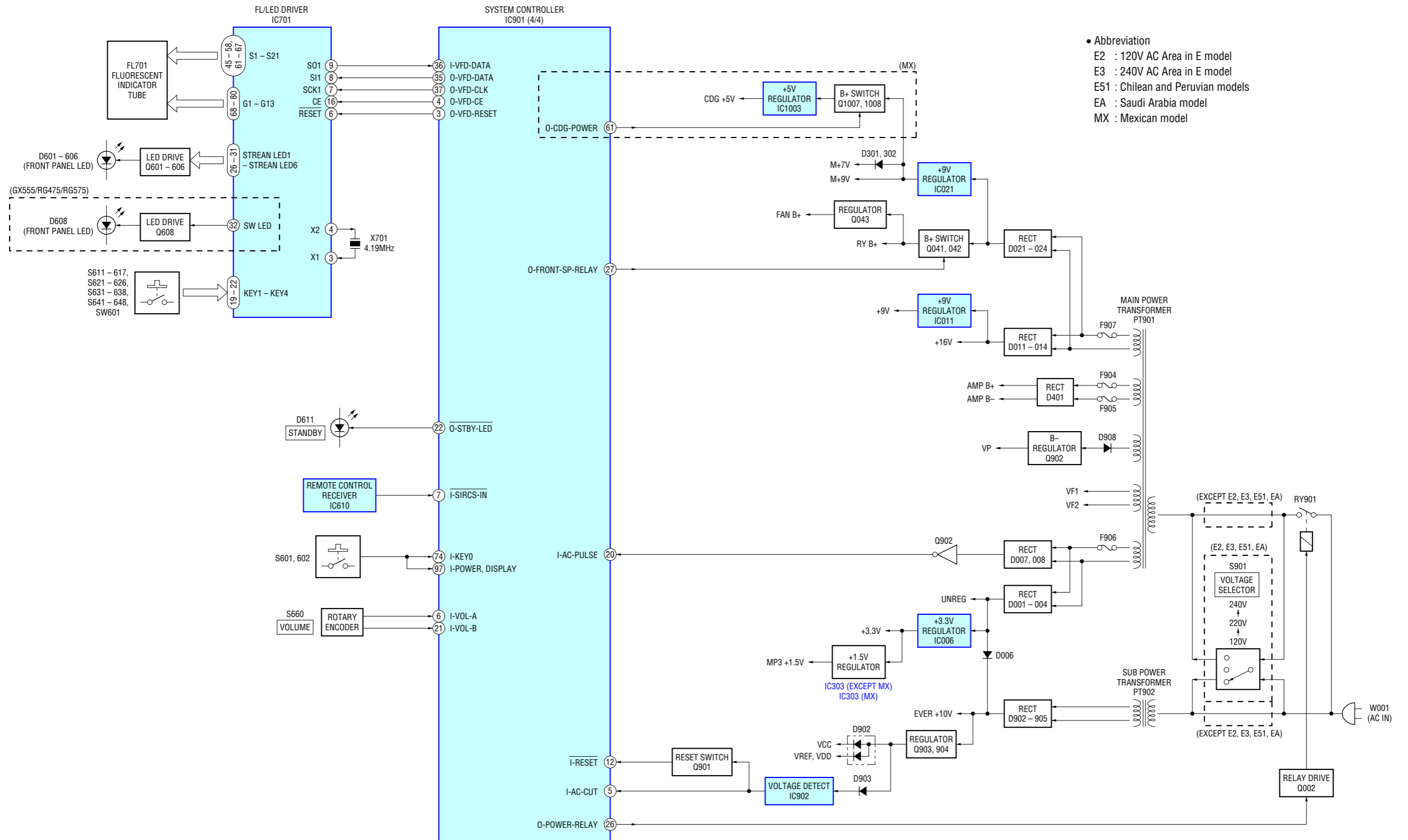
6-2. BLOCK DIAGRAM – AUDIO/VIDEO Section –



6-3. BLOCK DIAGRAM – AMP Section –



6-4. BLOCK DIAGRAM – PANEL, POWER SUPPLY Section –



• Note For Printed Wiring Boards and Schematic Diagrams

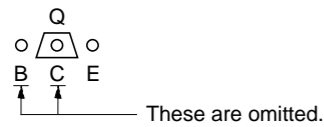
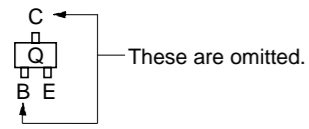
Note on Printed Wiring Board:

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

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

• 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:

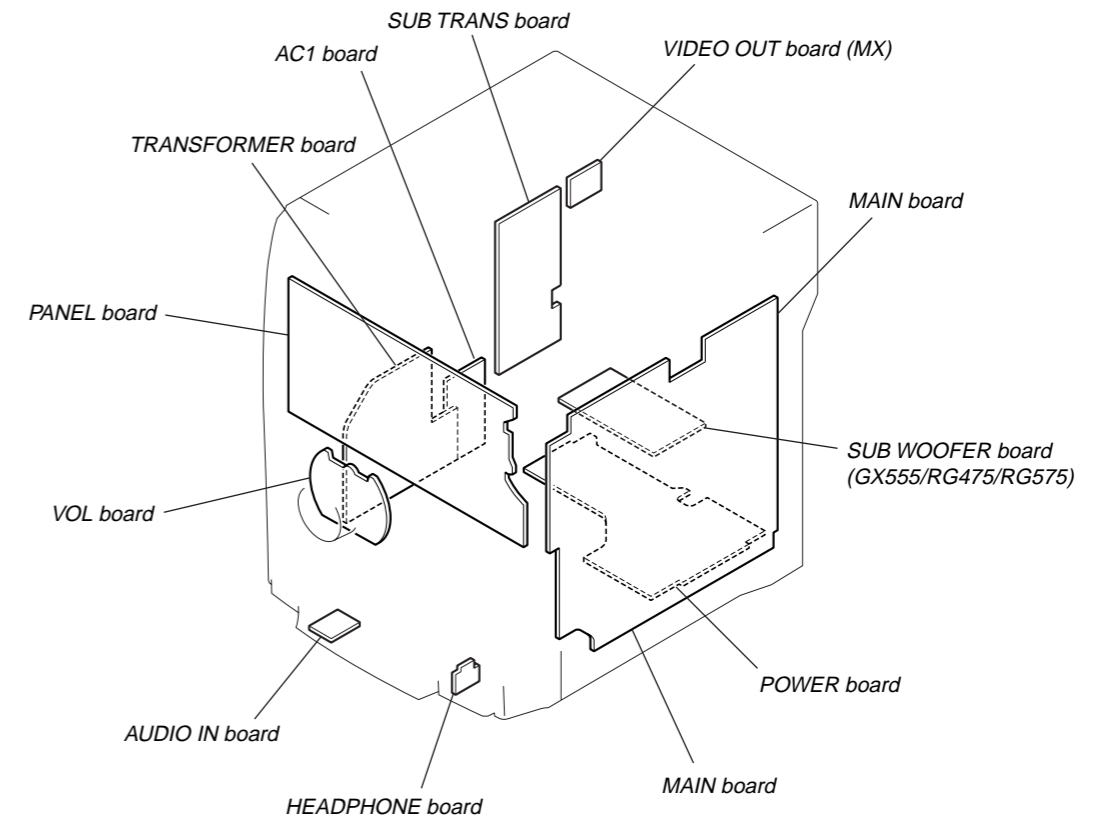
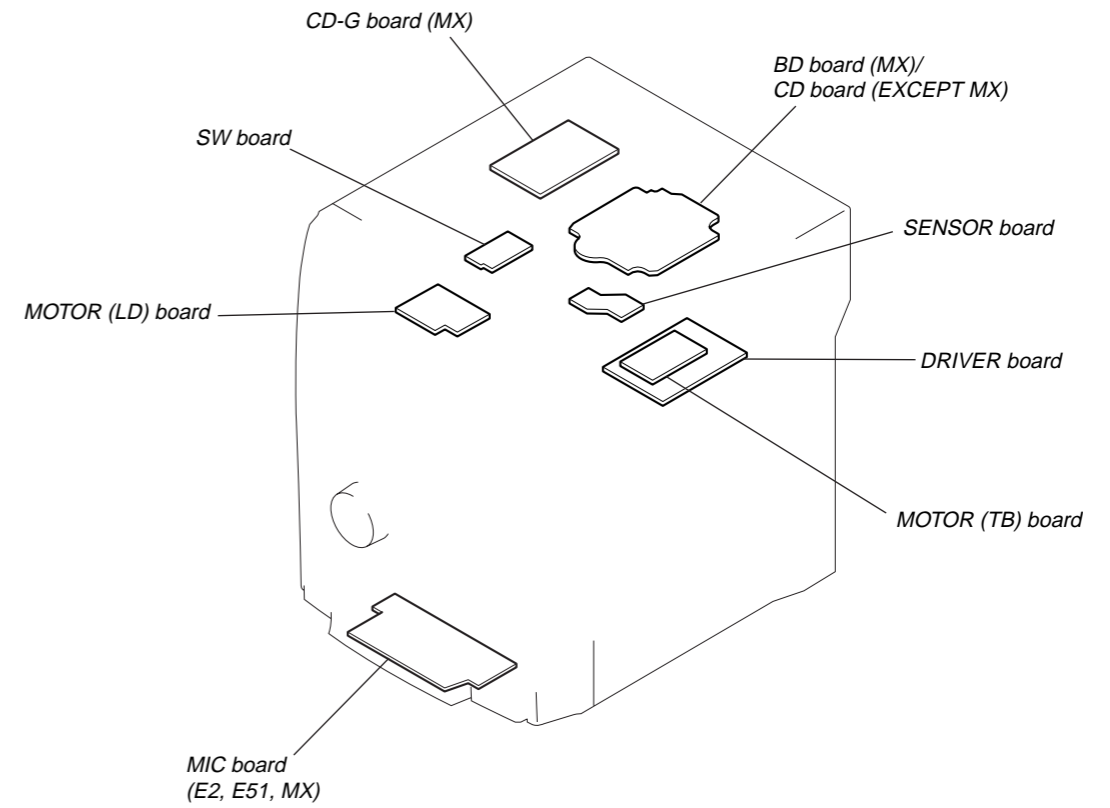
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.


Note:

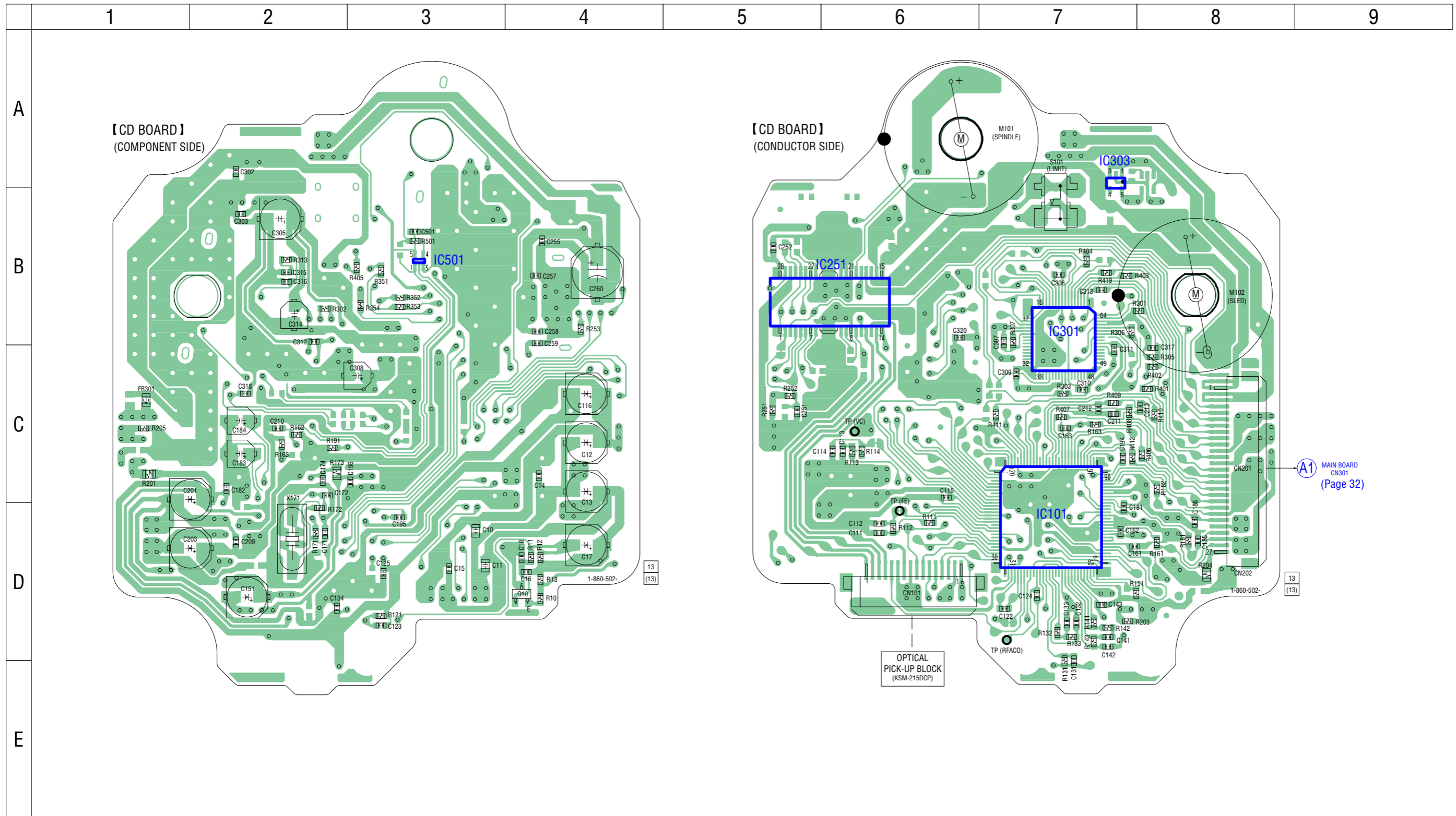
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line.
- - - : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
 - CD/BD Section - no mark : CD PLAY
 - CD-G Section - no mark : CD-G PLAY
 - Other Sections - no mark : FM
 - () : CD PLAY
 - << >> : TAPE PLAY
 - [] : TAPE 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 a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - ⇨ : TUNER (FM/AM)
 - ⇨ : TAPE PLAY (DECK A)
 - ⇨ : TAPE PLAY (DECK B)
 - ⇨ : REC
 - ⇨ : CD PLAY
 - ⇨ : AUX IN
 - ⇨ : MIC
 - ⇨ : VIDEO
- Abbreviation
 - AR : Argentine model
 - AUS : Australian model
 - CND : Canadian model
 - E2 : 120 V AC Area in E model
 - E3 : 240 V AC Area in E model
 - E51 : Chilean and Peruvian models
 - EA : Saudi Arabia model
 - EE : East European model
 - MX : Mexican model
 - RU : Russian model
 - SP : Singapore model

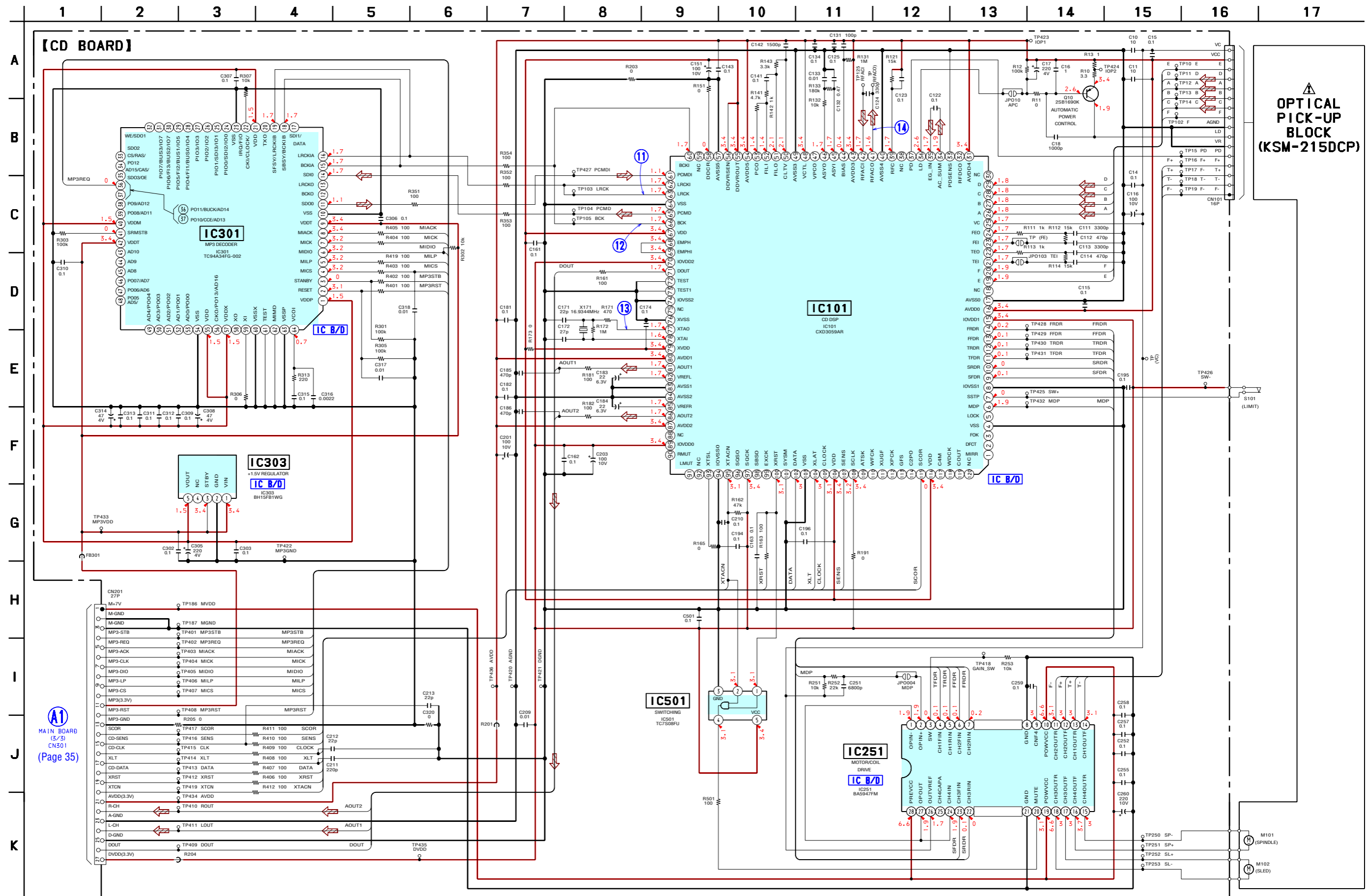
• Circuit Boards Location



6-5. PRINTED WIRING BOARD – CD Board – (Except MX model) • See page 25 for Circuit Boards Location.  : Uses unleaded solder.

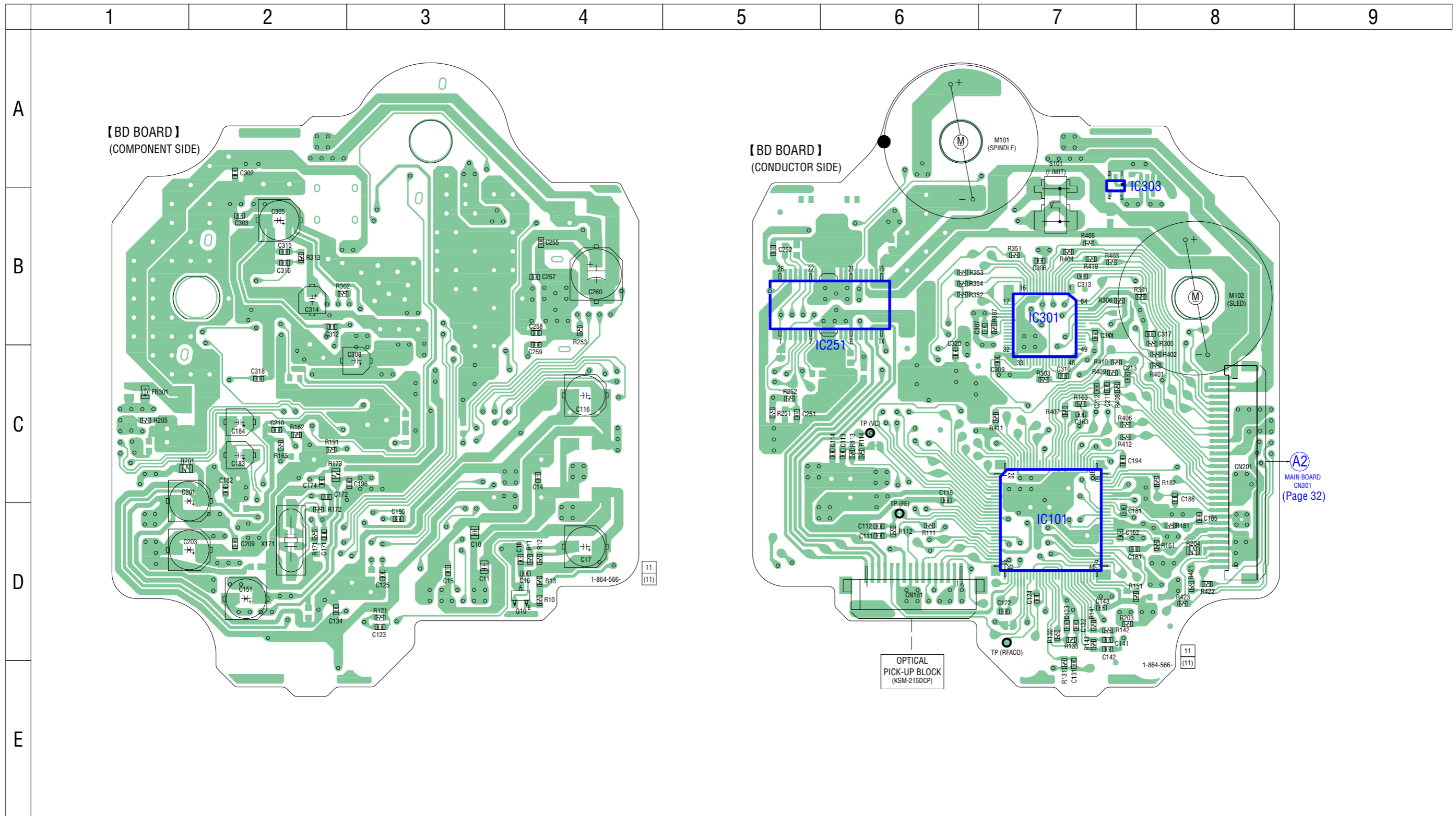


6-6. SCHEMATIC DIAGRAM – CD Board – (Except MX model) • See page 50 for Waveforms. • See page 50 for IC Block Diagrams.

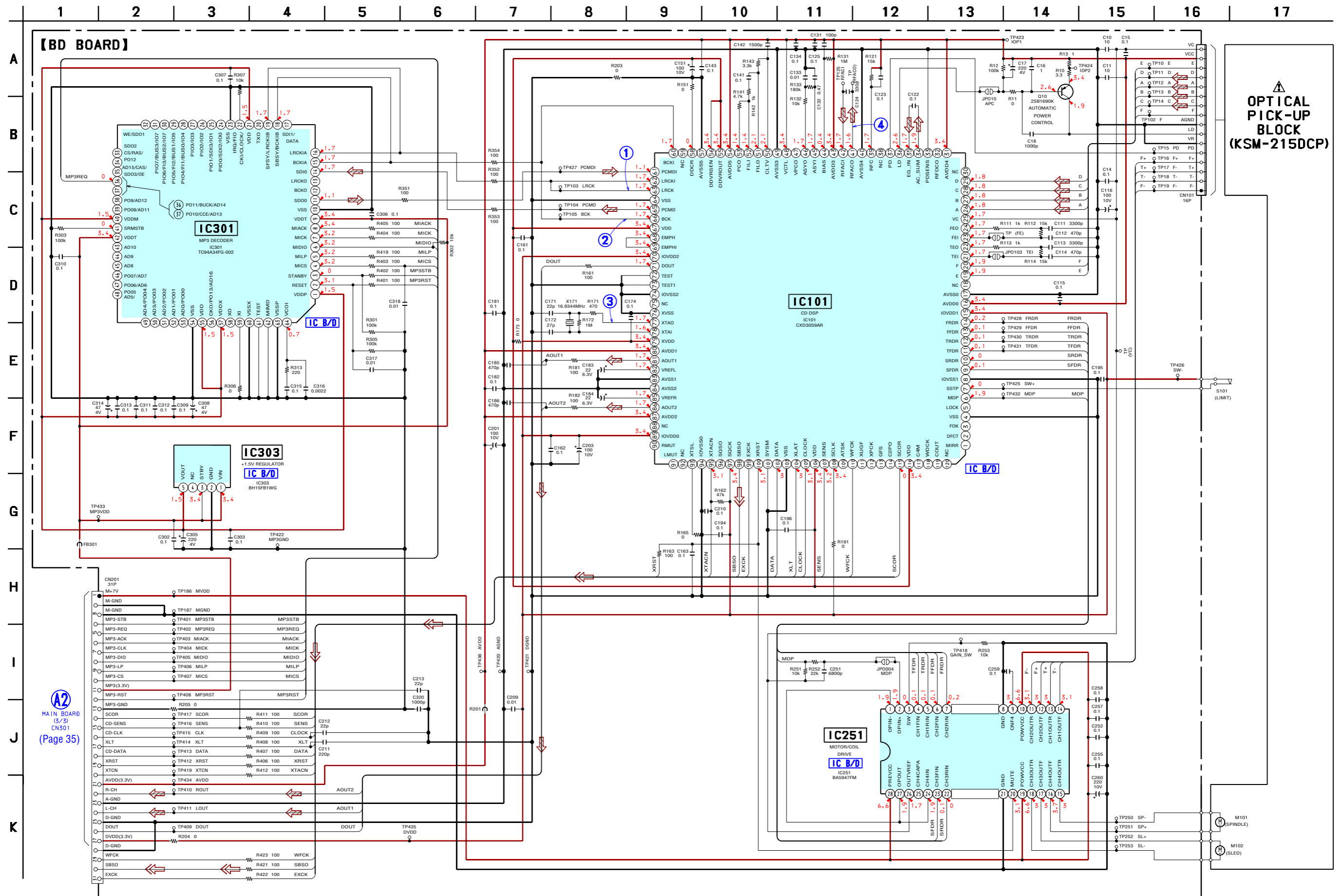



MAIN BOARD (3/3) CN301 (Page 35)

6-7. PRINTED WIRING BOARD – BD Board – (MX model only) • See page 25 for Circuit Boards Location.  : Uses unleaded solder.



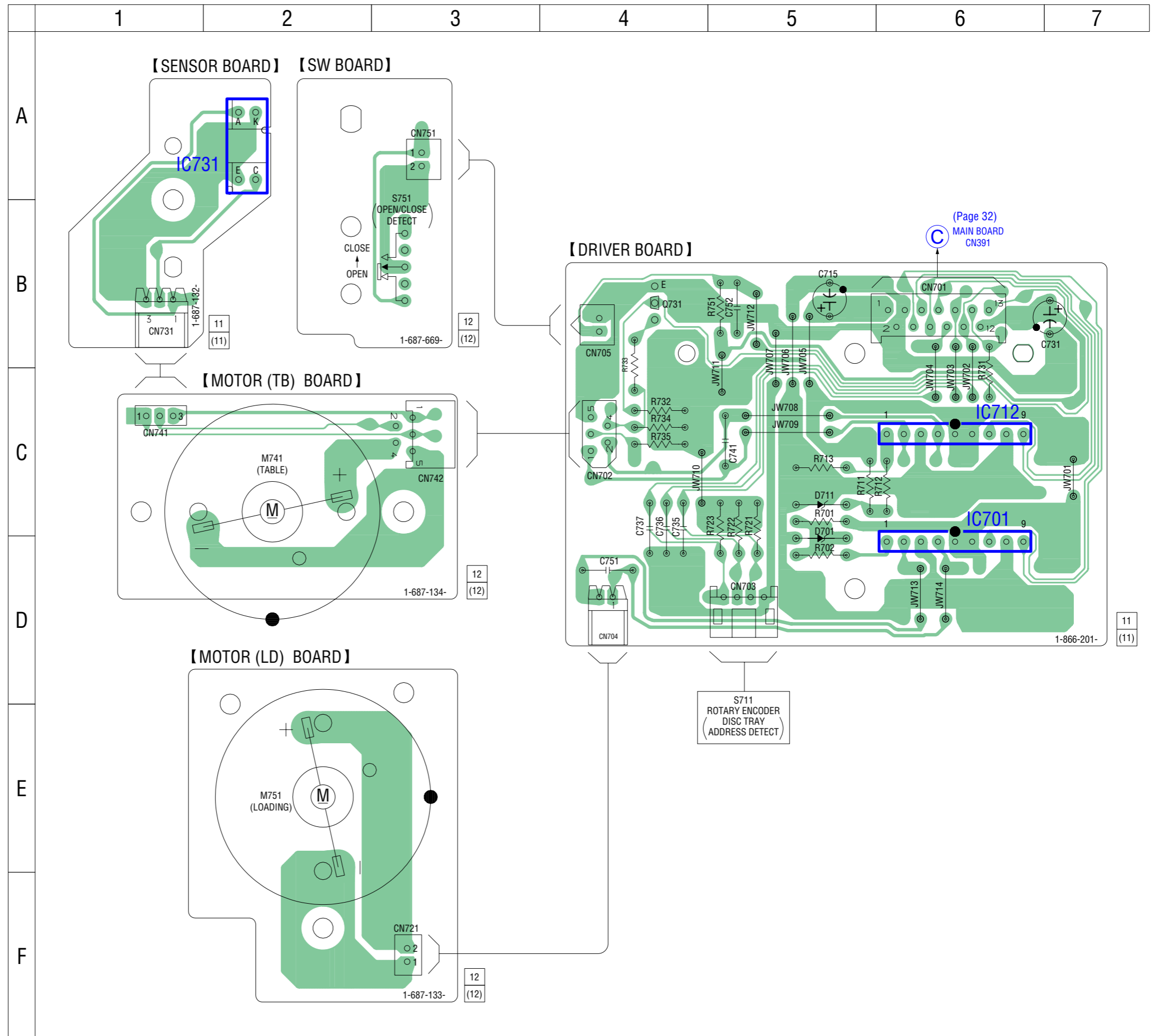
6-8. SCHEMATIC DIAGRAM – BD Board – (MX model only) • See page 50 for Waveforms. • See page 50 for IC Block Diagrams.



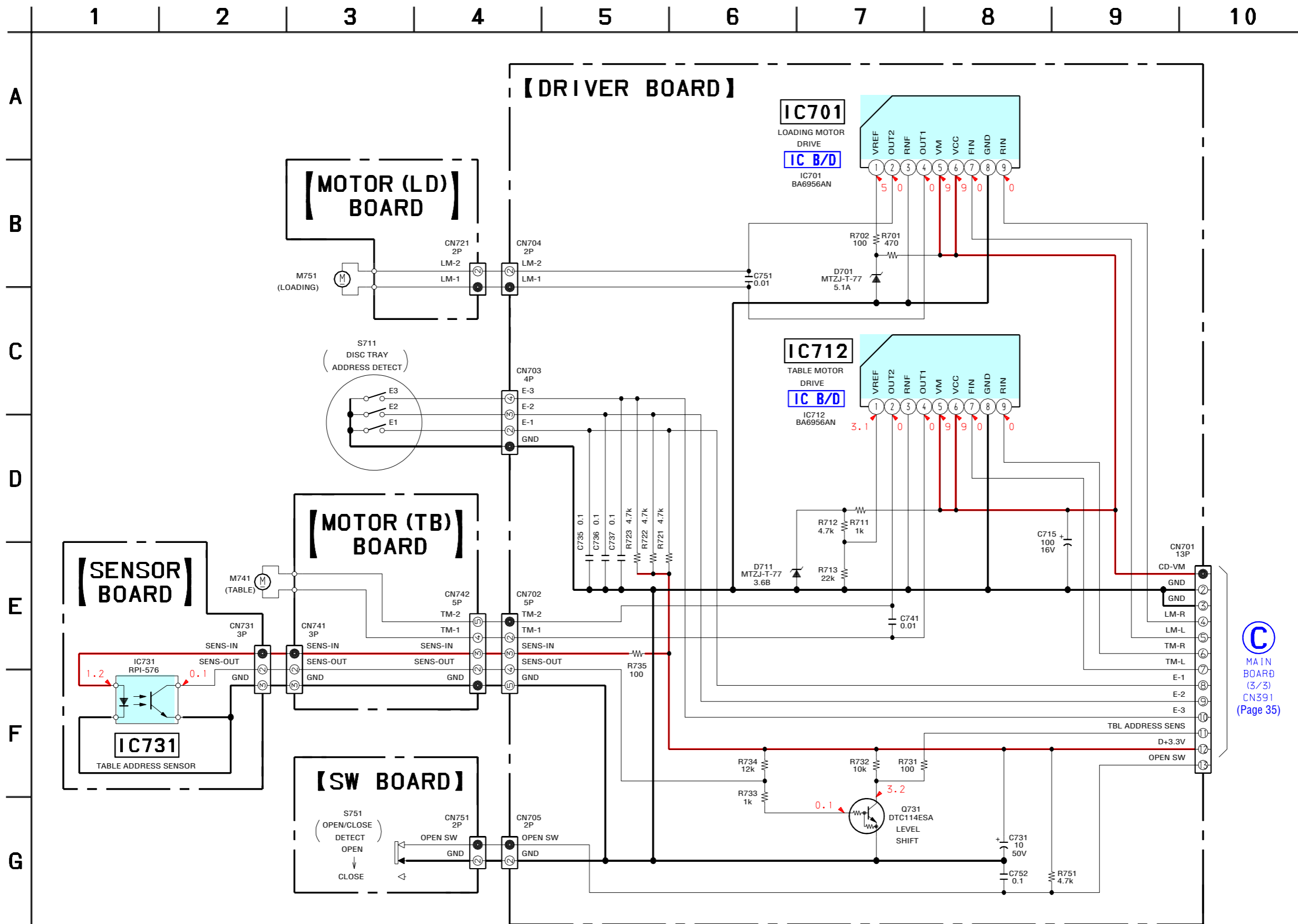
6-9. PRINTED WIRING BOARDS – CHANGER Section – • See page 25 for Circuit Boards Location.  : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D701	D-5
D711	C-5
IC701	D-6
IC712	C-6
IC731	A-2
Q731	B-4



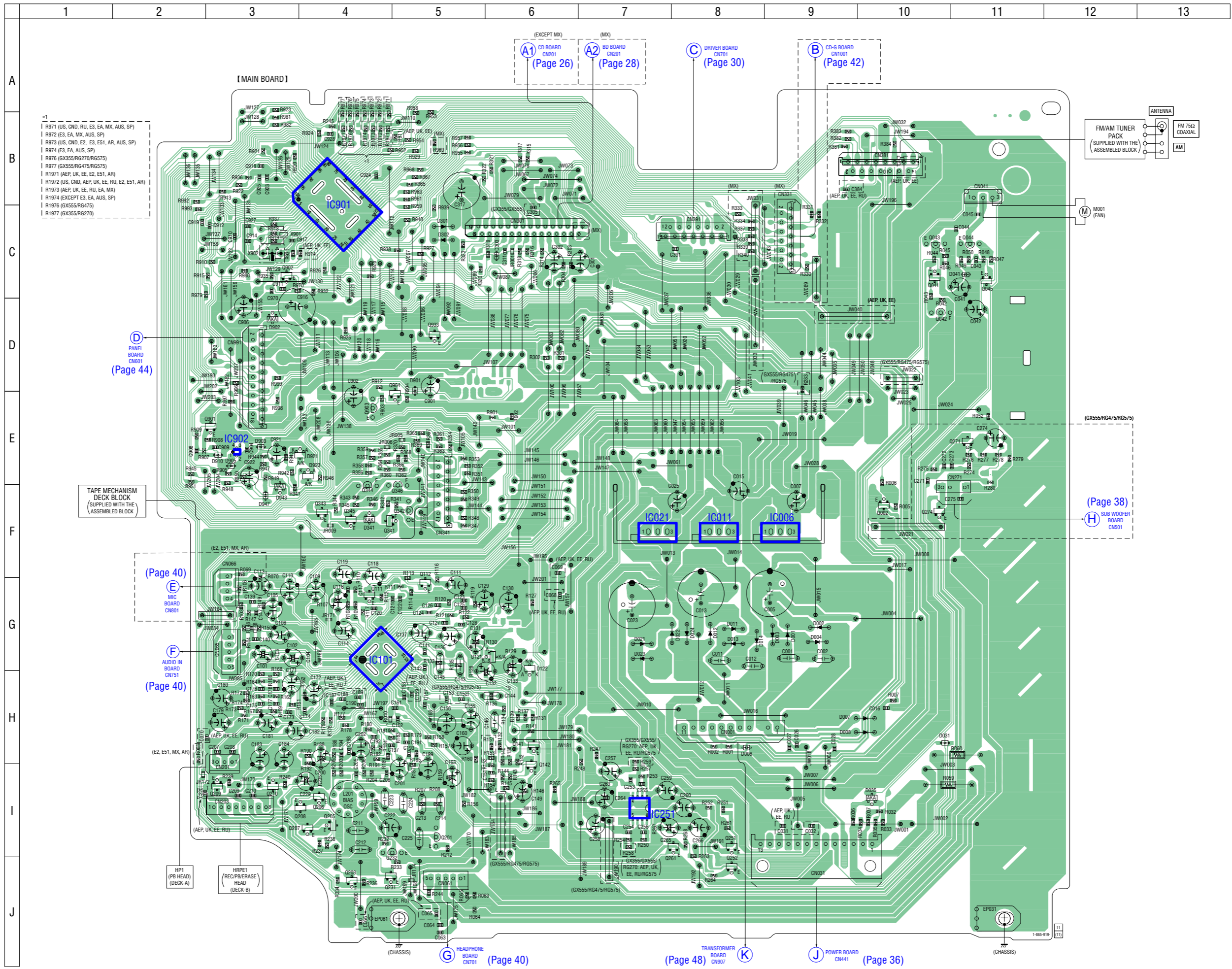
6-10. SCHEMATIC DIAGRAM – CHANGER Section – • See page 50 for IC Block Diagrams.



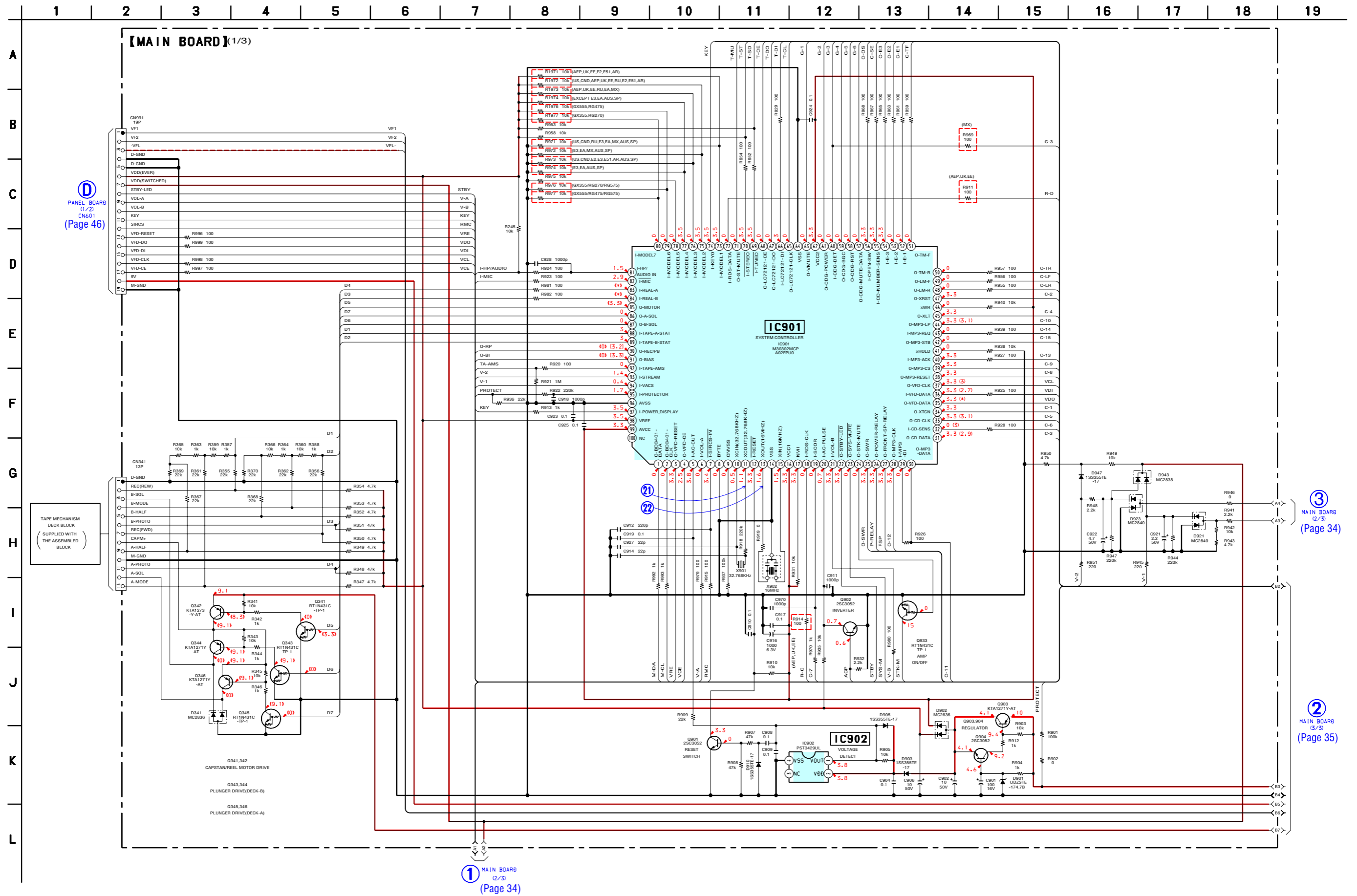
MAIN BOARD (3/3) CN391 (Page 35)

• Semiconductor Location

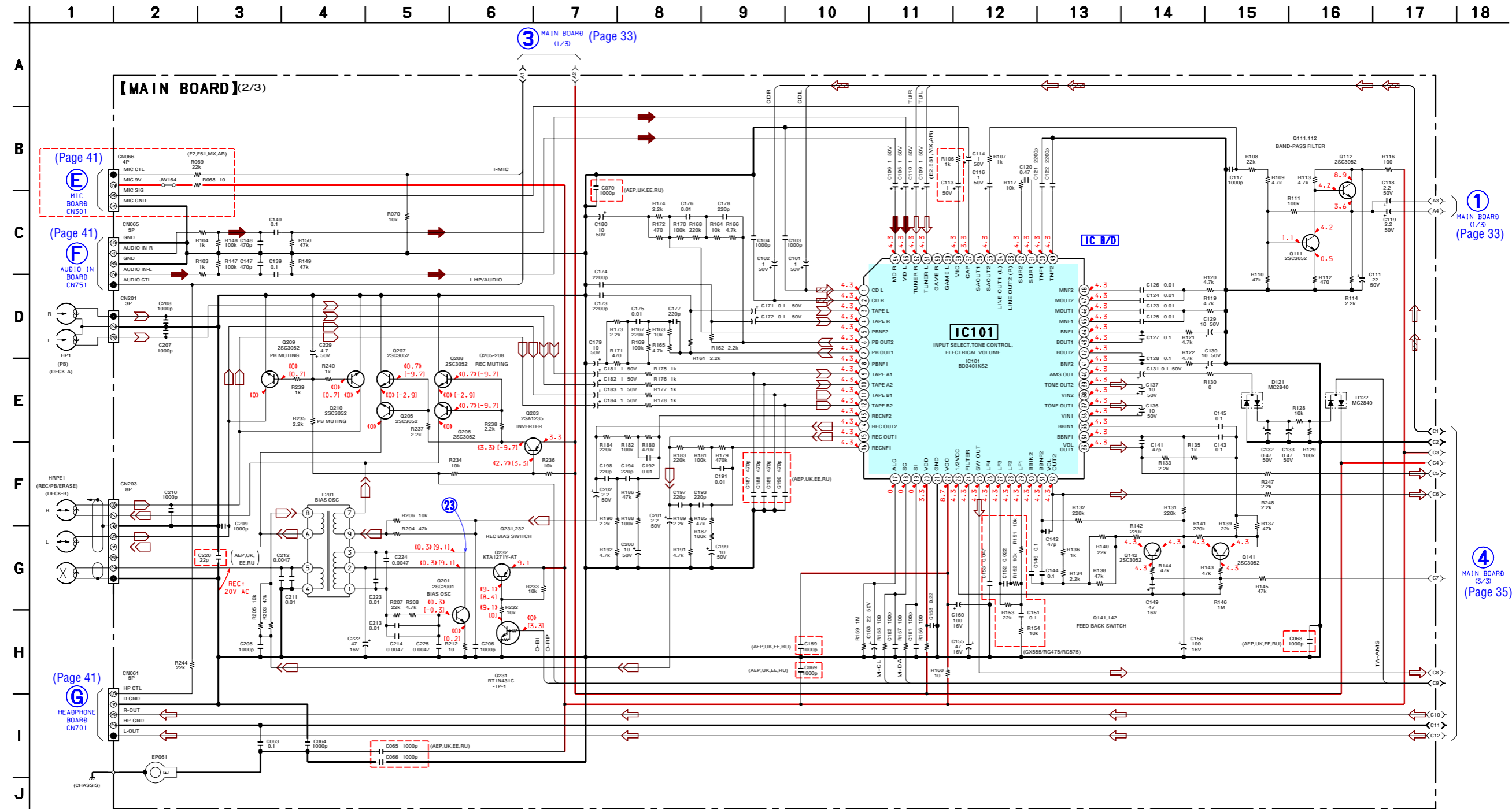
Ref. No.	Location
D001	G-9
D002	G-9
D003	G-9
D004	G-9
D006	H-8
D007	H-10
D008	H-10
D011	G-8
D012	G-8
D013	G-8
D014	G-8
D021	G-7
D022	G-8
D023	G-7
D024	G-8
D031	H-10
D035	I-10
D041	C-11
D042	C-10
D121	G-6
D122	G-6
D301	C-5
D302	C-5
D303	C-6
D341	F-4
D901	D-5
D902	D-3
D903	E-3
D905	E-3
D910	E-3
D921	E-4
D923	E-4
D943	F-3
D947	F-3
IC006	F-9
IC011	F-8
IC021	F-7
IC101	G-4
IC251	I-7
IC901	B-4
IC902	E-3
Q002	F-10
Q041	C-10
Q042	D-10
Q043	C-10
Q044	C-11
Q045	C-11
Q111	G-4
Q112	G-5
Q141	H-6
Q142	I-6
Q201	I-5
Q203	J-4
Q205	I-4
Q206	I-4
Q207	I-4
Q208	I-4
Q209	I-3
Q210	I-3
Q231	J-4
Q232	I-4
Q251	I-8
Q252	J-8
Q261	I-8
Q271	E-11
Q274	F-10
Q341	F-4
Q342	F-5
Q343	F-4
Q344	F-4
Q345	F-4
Q346	F-5
Q901	E-3
Q902	C-3
Q903	E-4
Q904	E-5
Q933	D-5



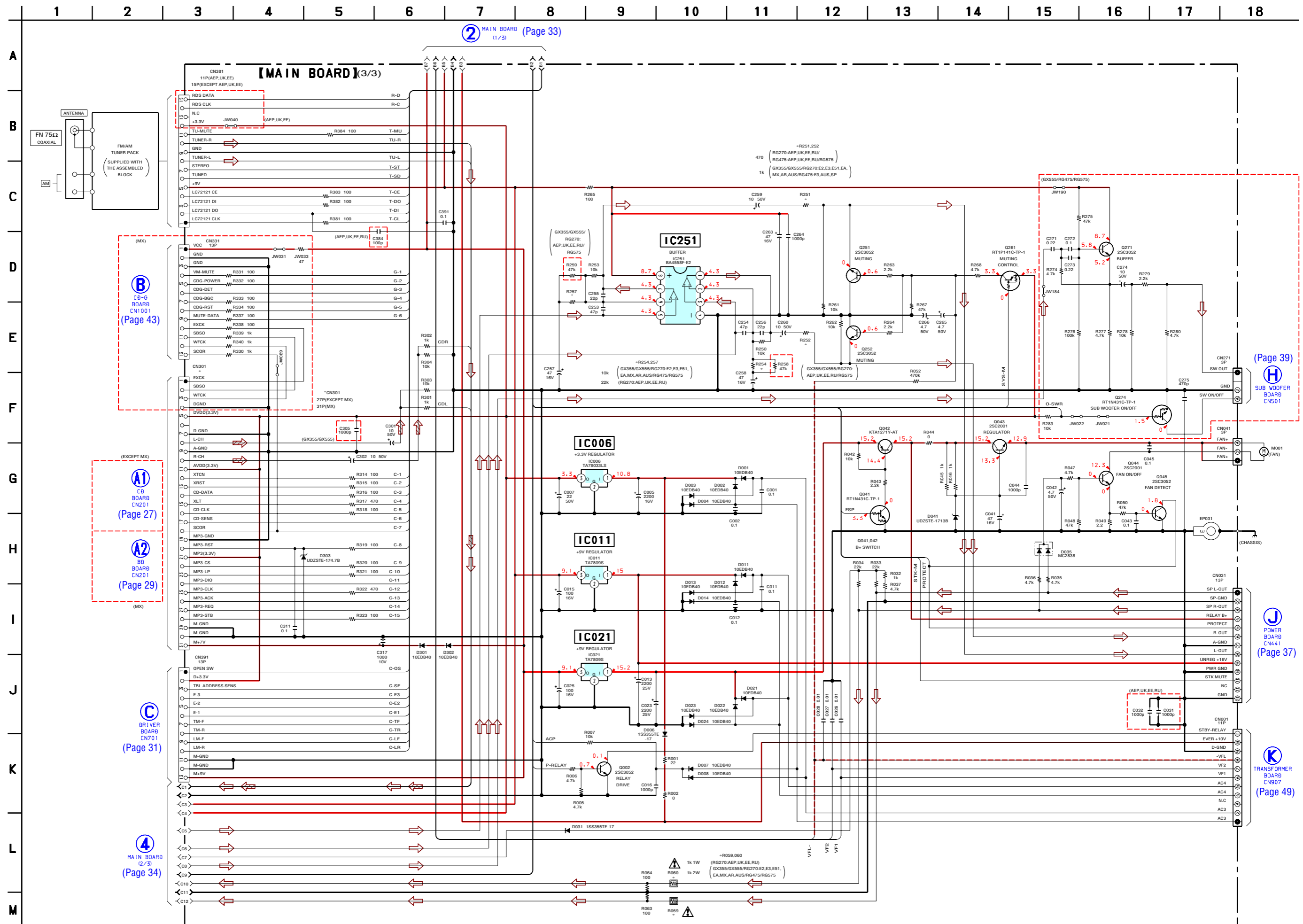
6-12. SCHEMATIC DIAGRAM – MAIN Board (1/3) – • See page 50 for Waveforms. • See page 60 for IC Pin Function Description.




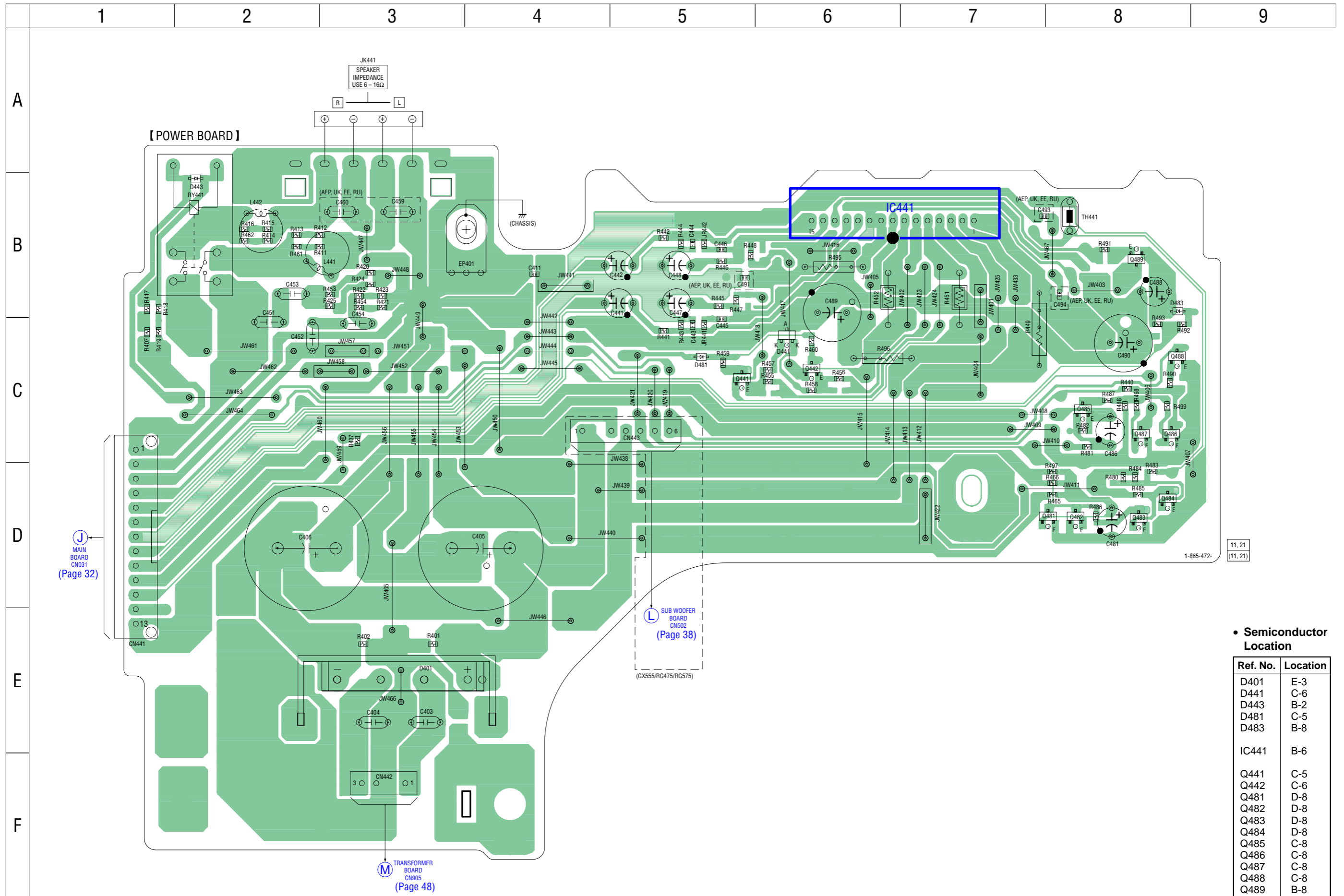
6-13. SCHEMATIC DIAGRAM – MAIN Board (2/3) – • See page 50 for Waveforms. • See page 50 for IC Block Diagrams.



6-14. SCHEMATIC DIAGRAM – MAIN Board (3/3) –



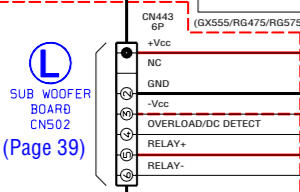
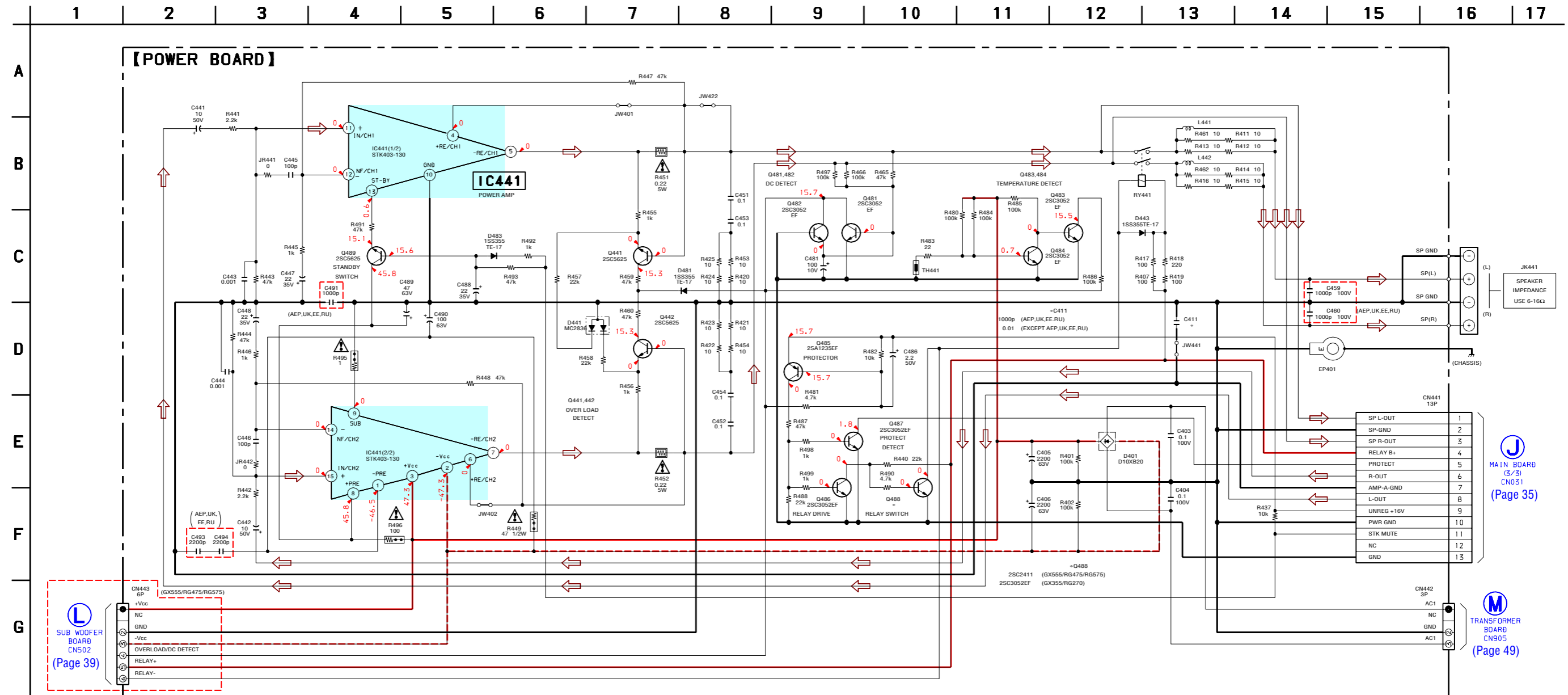
6-15. PRINTED WIRING BOARD – POWER Board – • See page 25 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D401	E-3
D441	C-6
D443	B-2
D481	C-5
D483	B-8
IC441	B-6
Q441	C-5
Q442	C-6
Q481	D-8
Q482	D-8
Q483	D-8
Q484	D-8
Q485	C-8
Q486	C-8
Q487	C-8
Q488	C-8
Q489	B-8

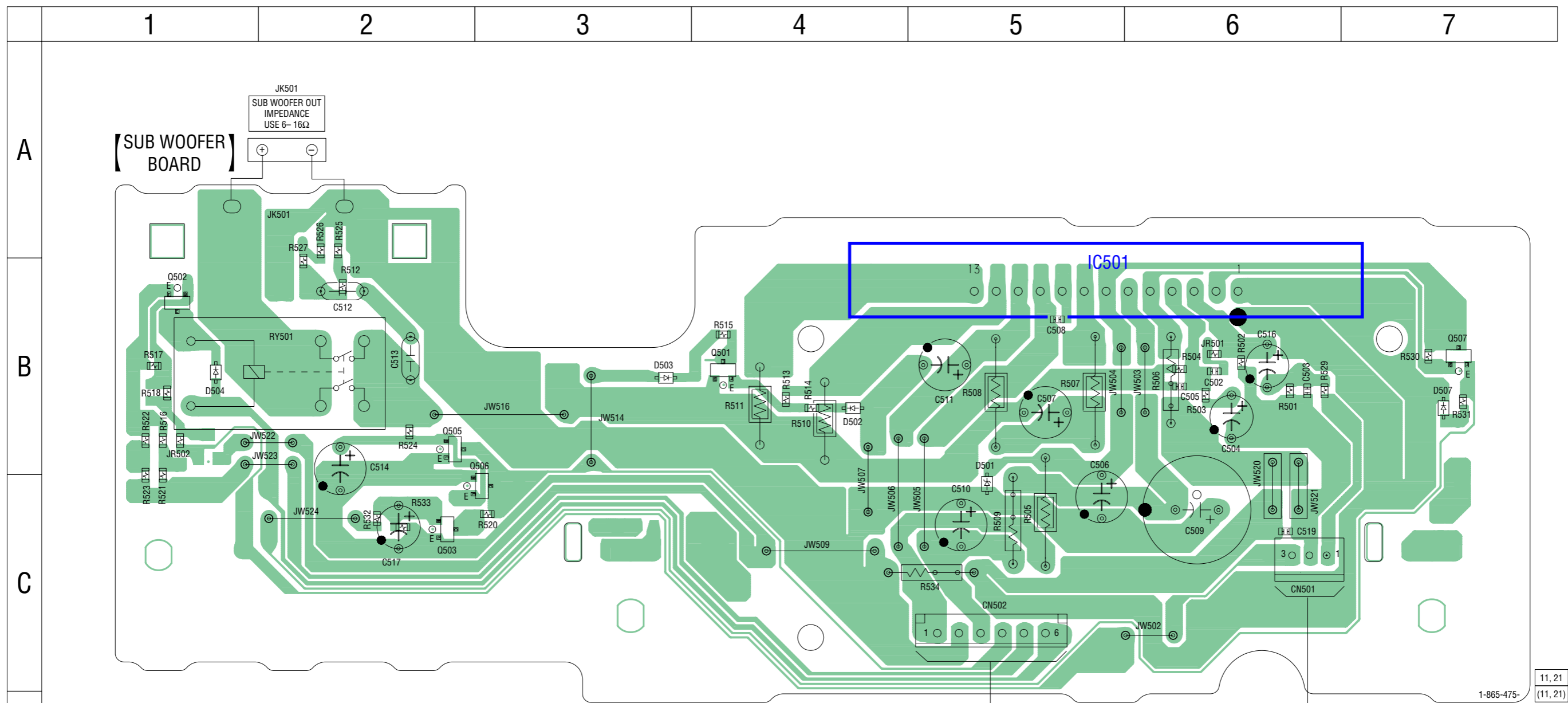
6-16. SCHEMATIC DIAGRAM – POWER Board –



J
MAIN BOARD
(3/3)
CN051
(Page 35)

M
TRANSFORMER BOARD
CN905
(Page 49)

6-17. PRINTED WIRING BOARD – SUB WOOFER Board – (GX555/RG475/RG575 only) • See page 25 for Circuit Boards Location.  : Uses unleaded solder.



11, 21
(11, 21)
1-865-475-

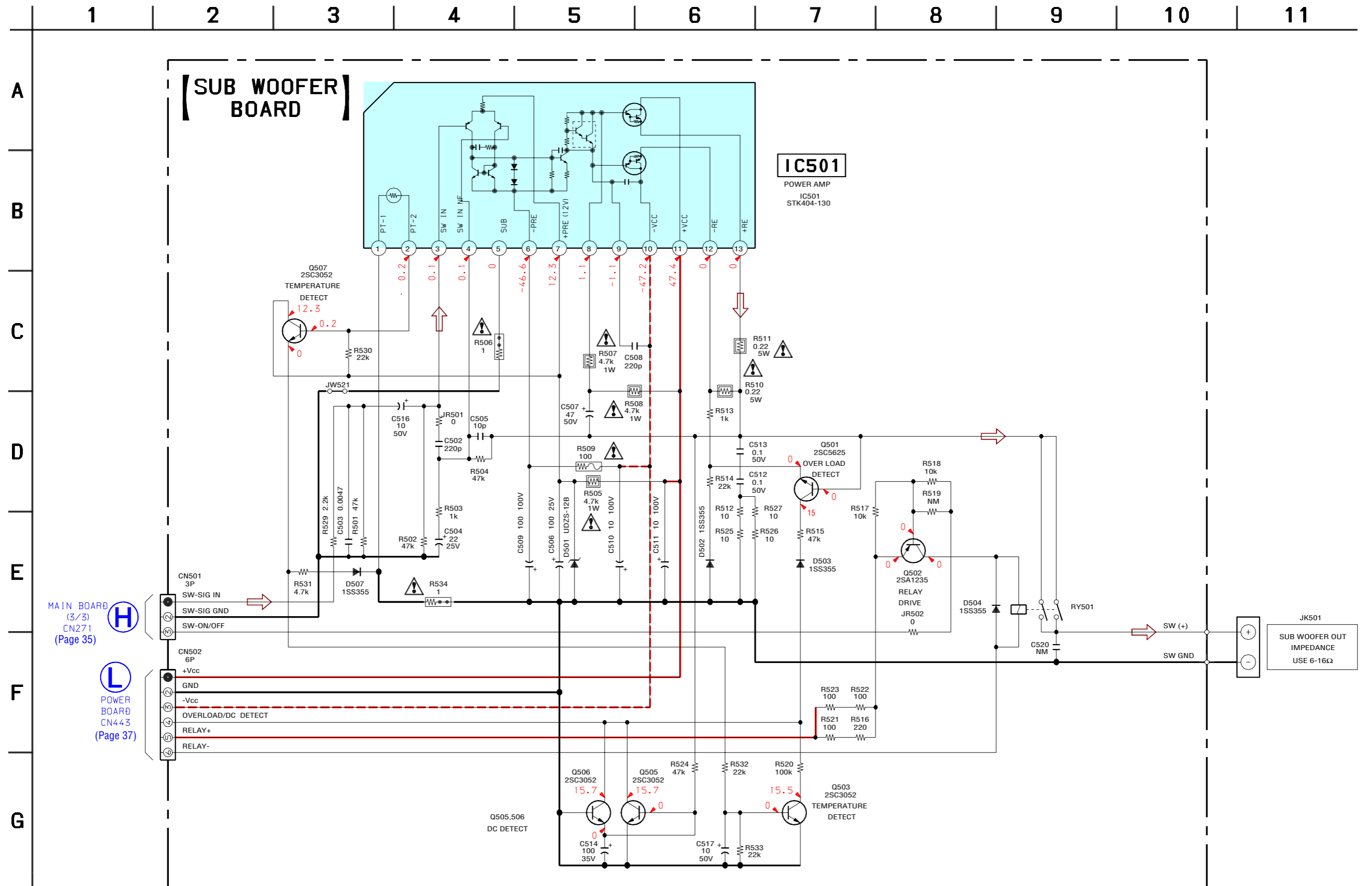
L POWER BOARD
CN443
(Page 36)


H MAIN BOARD
CN271
(Page 32)

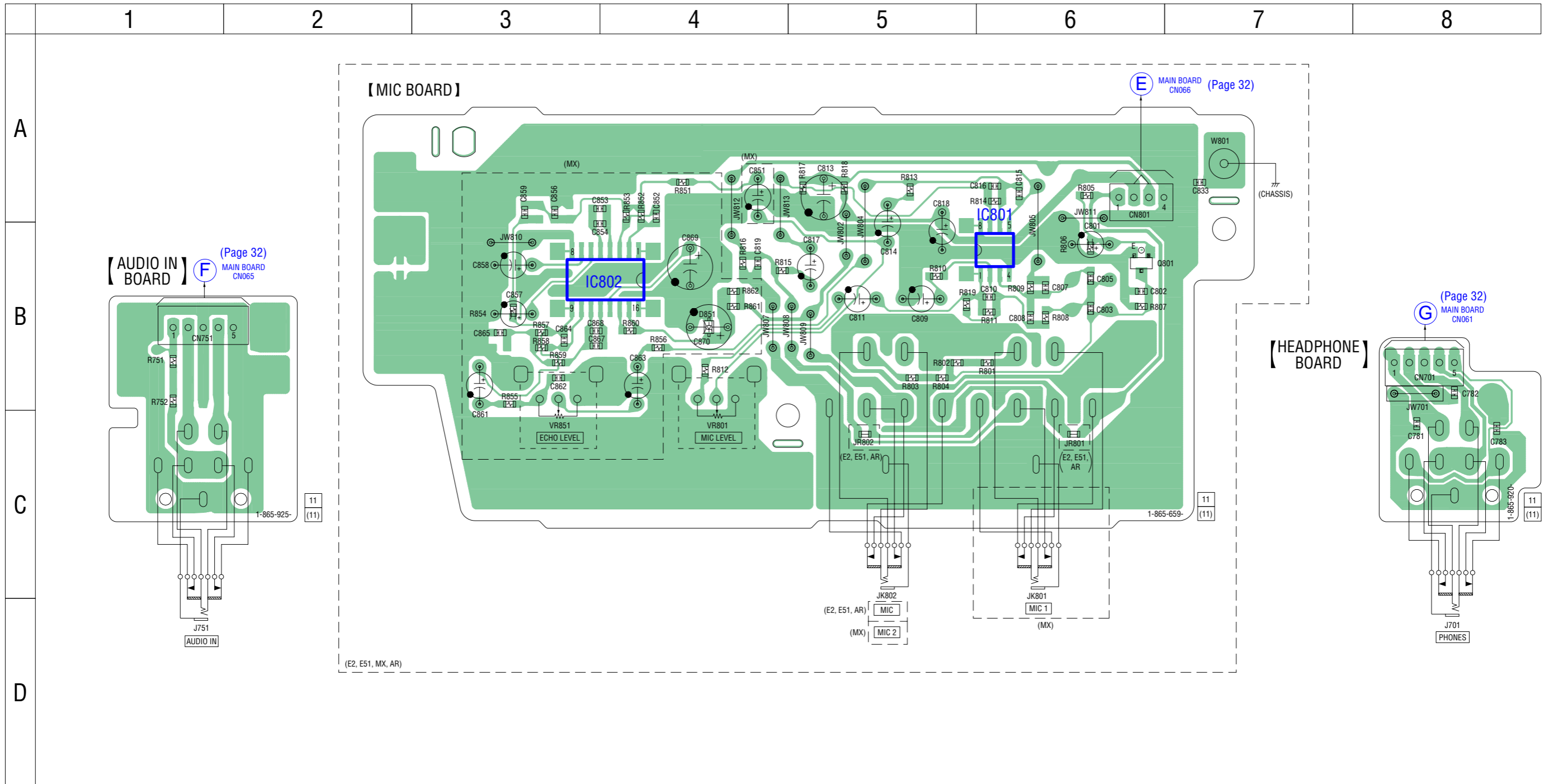
• Semiconductor Location

Ref. No.	Location
D501	C-5
D502	B-4
D503	B-3
D504	B-1
D507	B-7
IC501	B-5
Q501	B-4
Q502	B-1
Q503	C-2
Q505	B-2
Q506	C-3
Q507	B-7

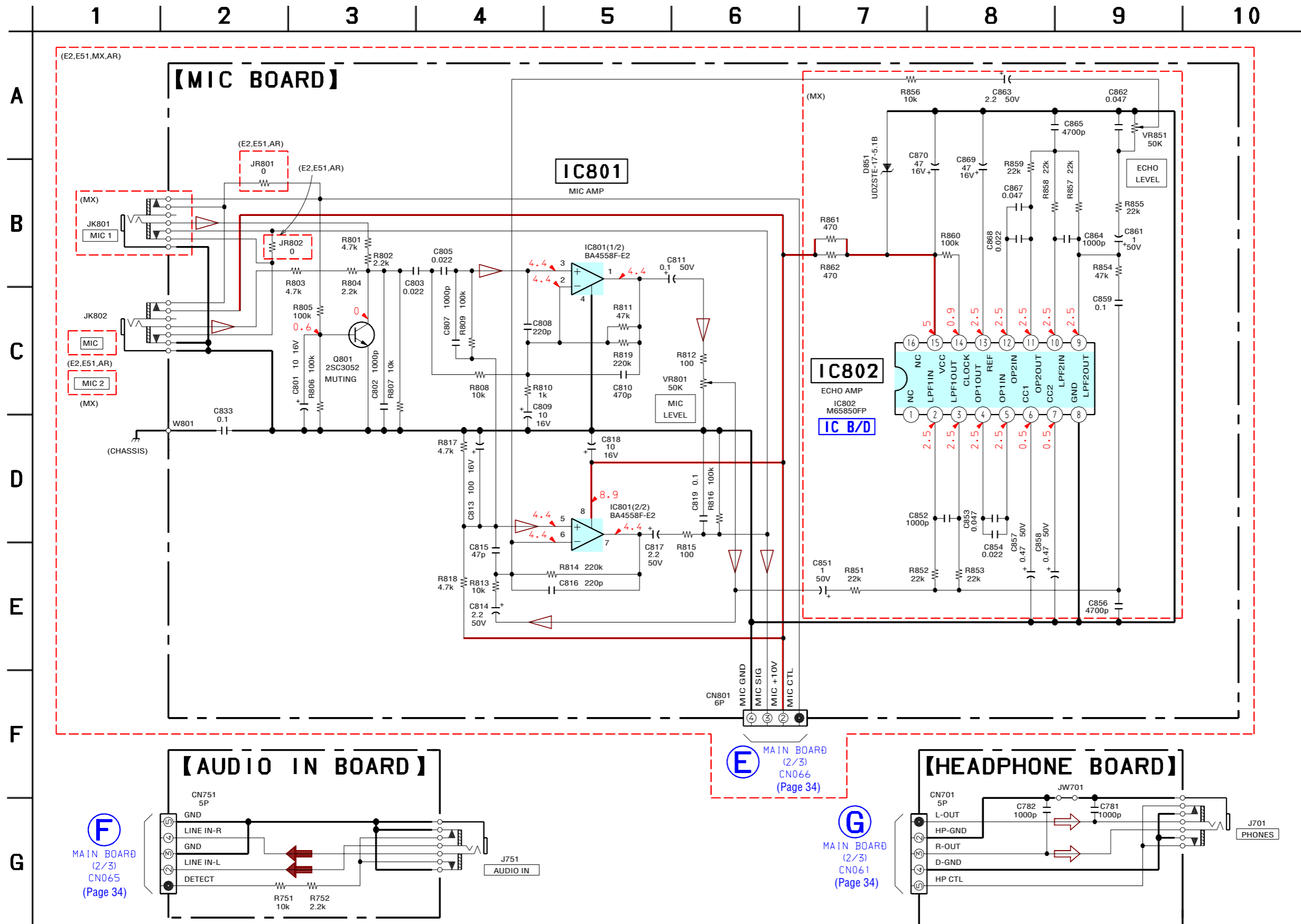
6-18. SCHEMATIC DIAGRAM – SUB WOOFER Board – (GX555/RG475/RG575 only)




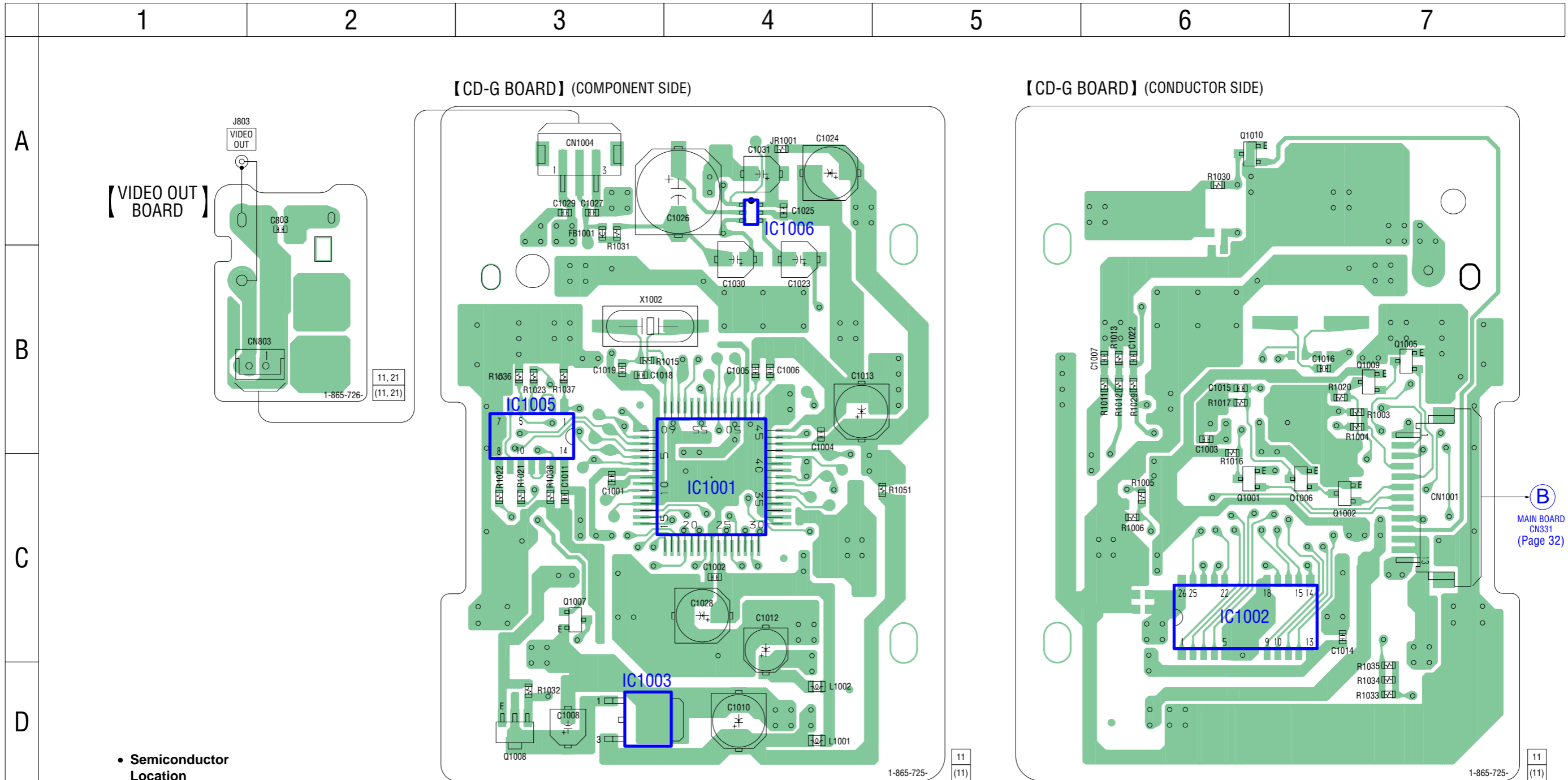
6-19. PRINTED WIRING BOARDS – AUDIO IN, MIC, HEADPHONE Boards – • See page 25 for Circuit Boards Location.  : Uses unleaded solder.



6-20. SCHEMATIC DIAGRAM – AUDIO IN, MIC, HEADPHONE Boards – • See page 50 for IC Block Diagrams.



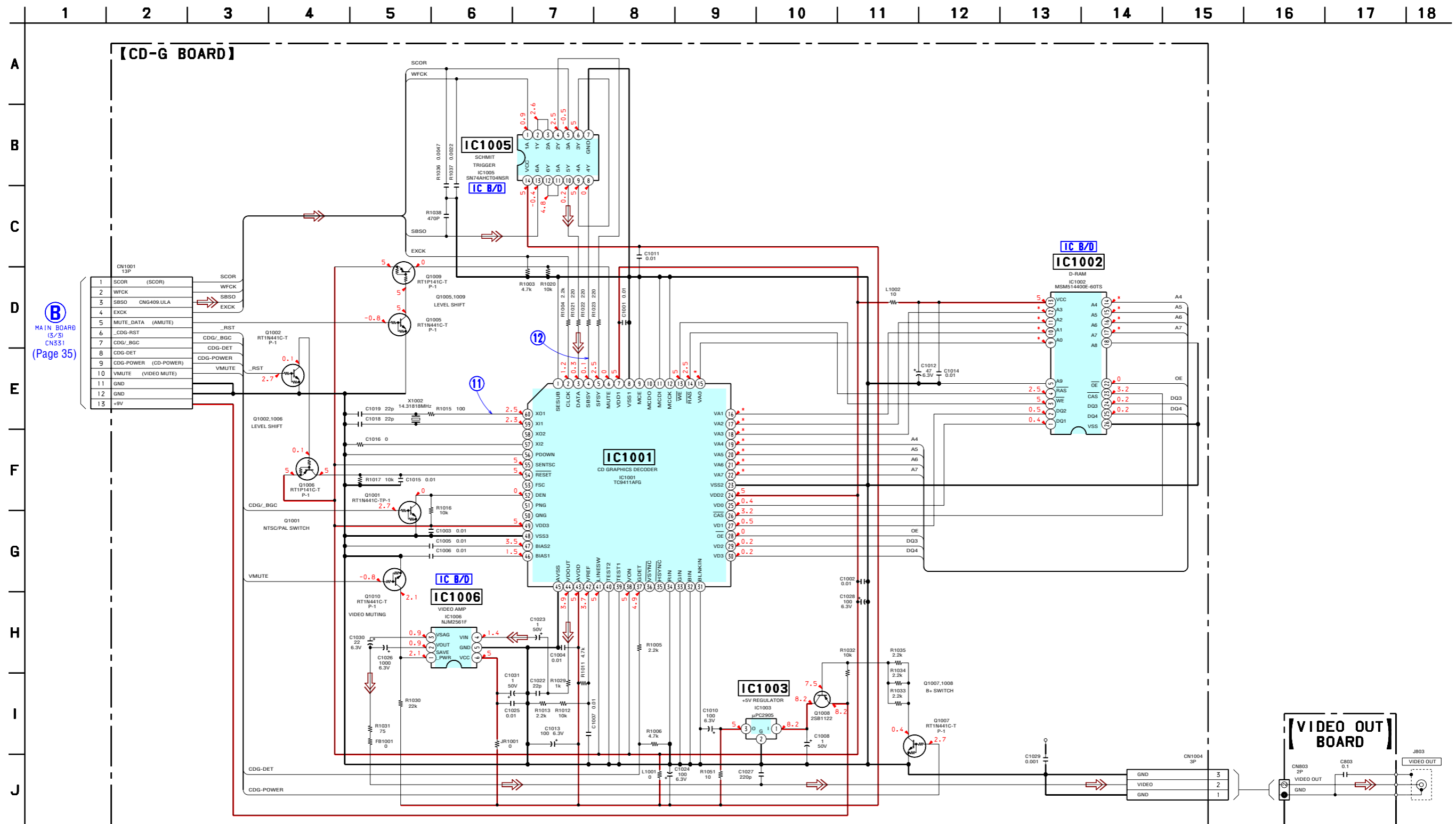
6-21. PRINTED WIRING BOARDS – CD-G Section – (MX model only) • See page 25 for Circuit Boards Location.  : Uses unleaded solder.



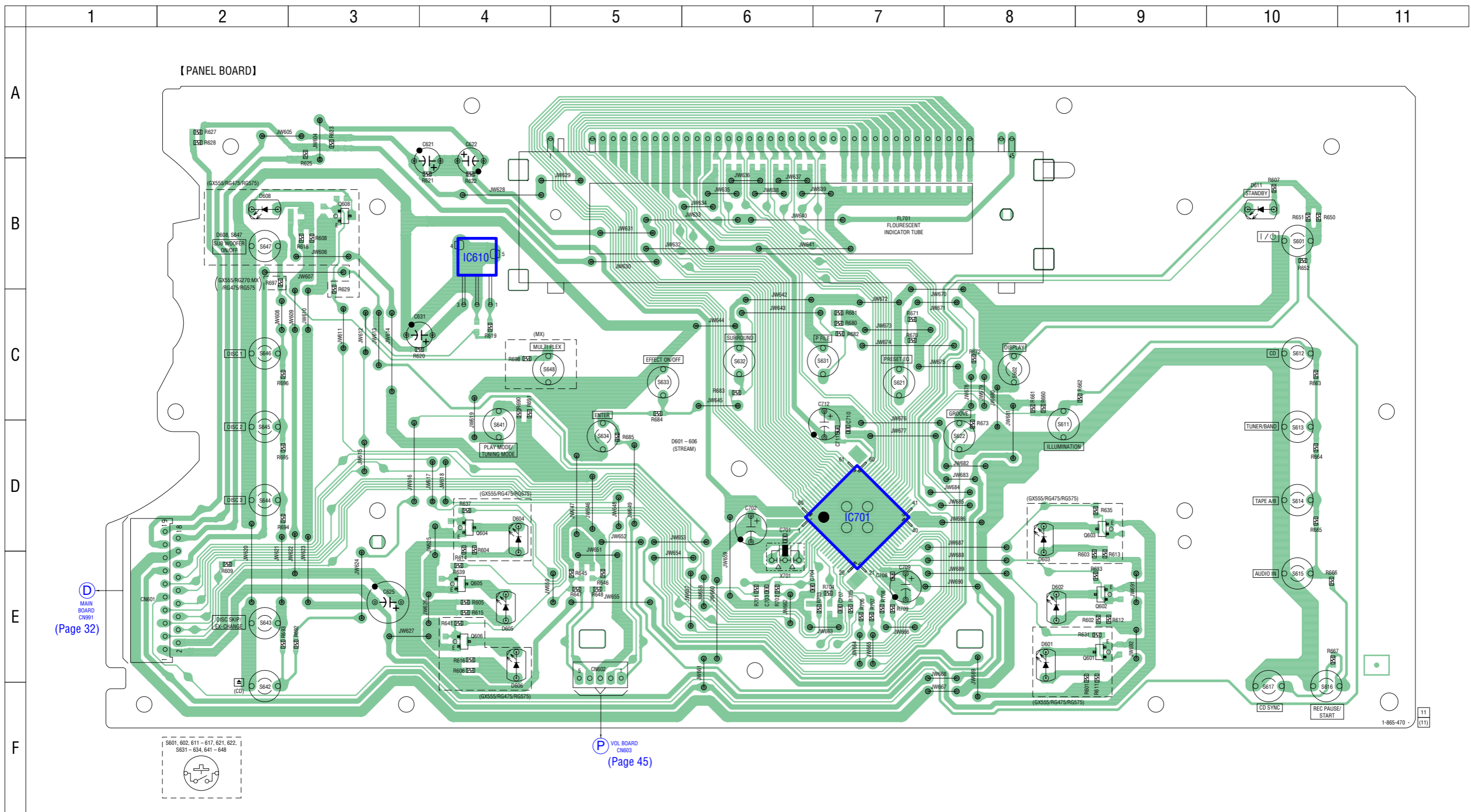
• Semiconductor Location

Ref. No.	Location
IC1001	C-4
IC1002	C-6
IC1003	D-3
IC1005	B-3
IC1006	A-4
Q1001	C-6
Q1002	C-7
Q1005	B-7
Q1006	C-7
Q1007	C-3
Q1008	D-3
Q1009	B-7
Q1010	A-6

6-22. SCHEMATIC DIAGRAM – CD-G Section – (MX model only) • See page 50 for Waveforms. • See page 50 for IC Block Diagrams. • See page 60 for IC Pin Function Description.



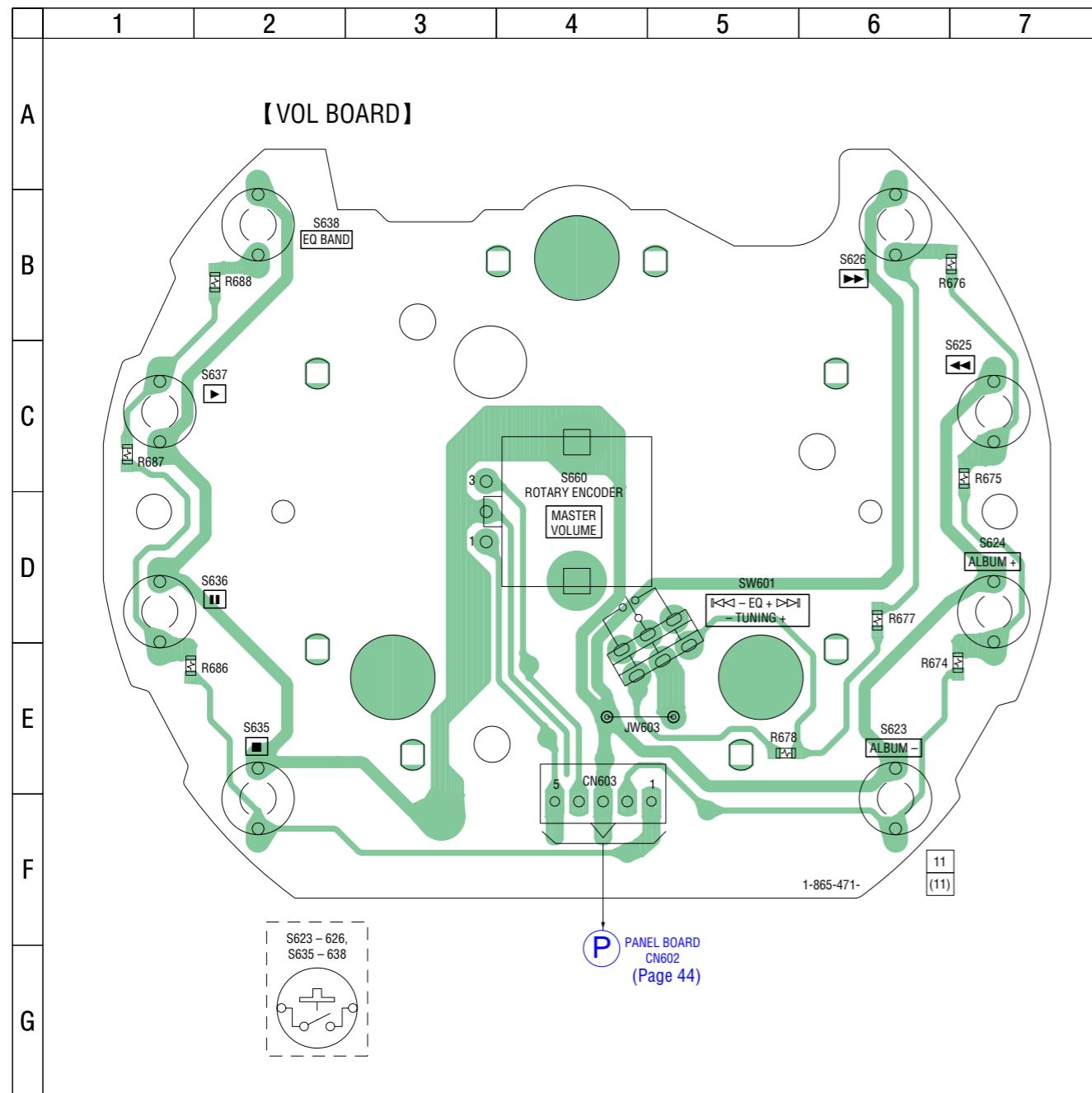
6-23. PRINTED WIRING BOARD – PANEL Section (1/2) – • See page 25 for Circuit Boards Location.  : Uses unleaded solder.



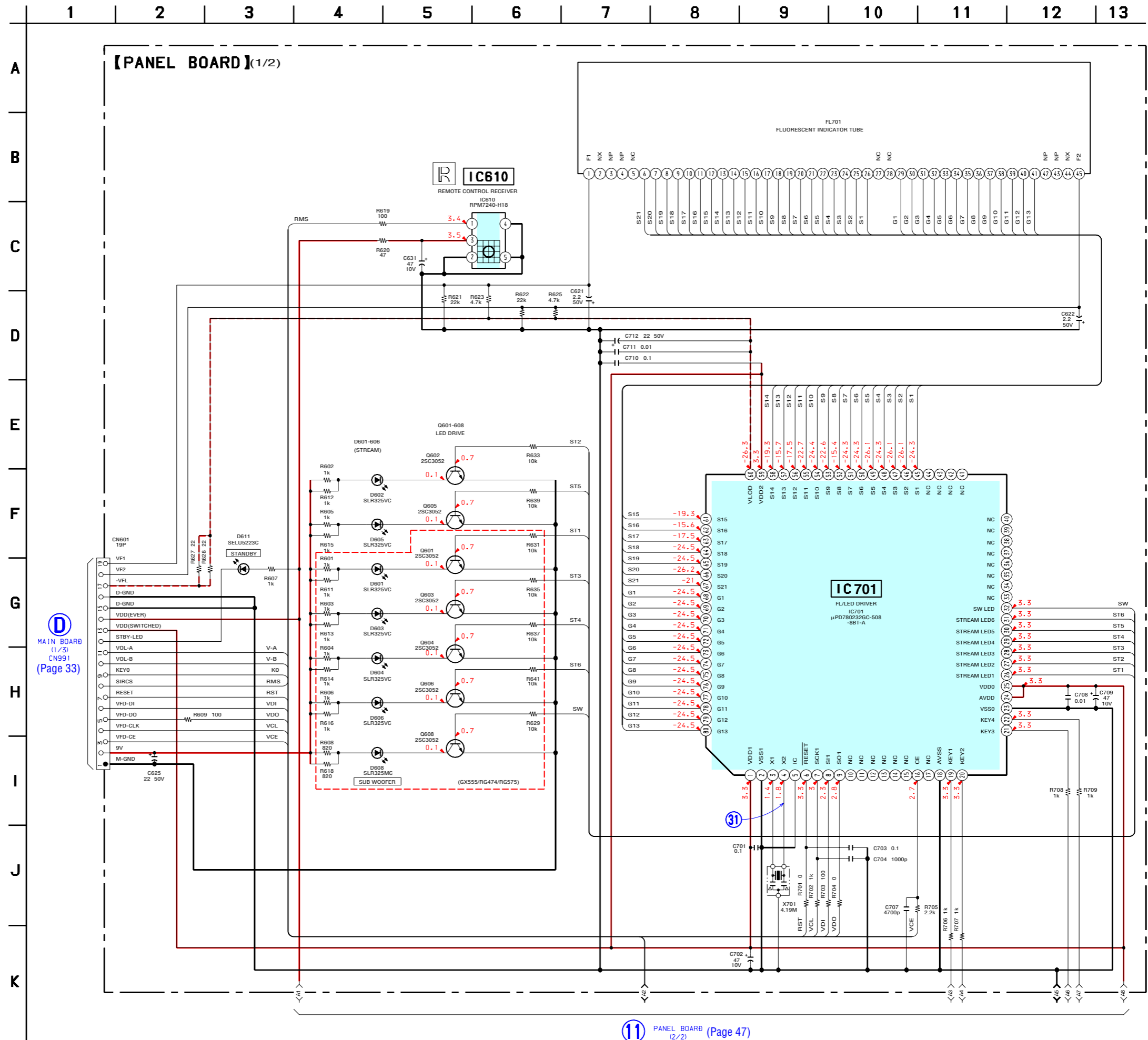
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D601	E-8	Q601	E-9
D602	E-8	Q602	E-9
D603	D-8	Q603	D-9
D604	D-4	Q604	D-4
D605	E-4	Q605	E-4
D606	E-4	Q606	E-4
D608	B-2	Q608	B-3
D611	B-10		
IC610	B-4		
IC701	D-7		

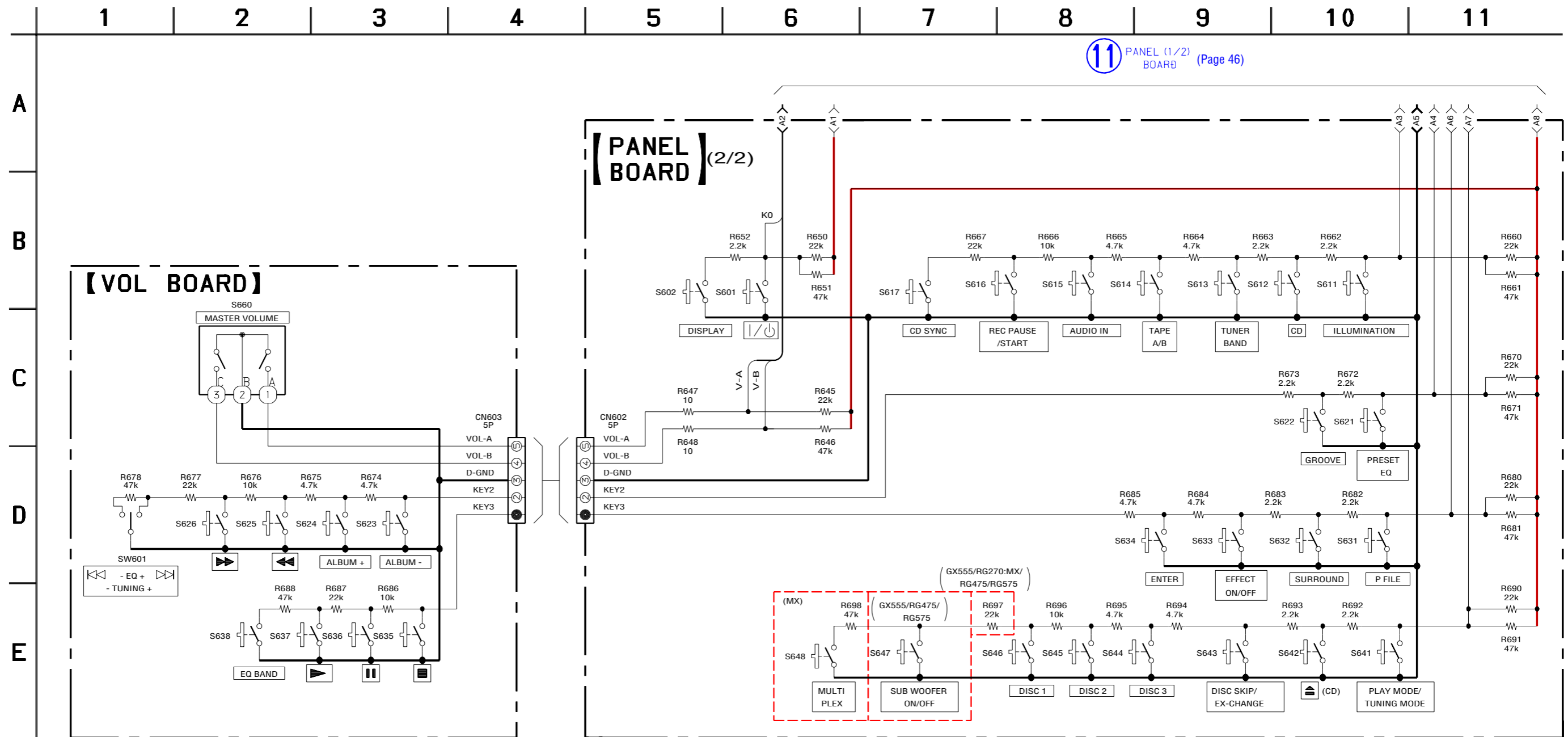
6-24. PRINTED WIRING BOARD – PANEL Section (1/2) – • See page 25 for Circuit Boards Location.  : Uses unleaded solder.




6-25. SCHEMATIC DIAGRAM – PANEL Section (1/2) – • See page 60 for IC Pin Function Description.



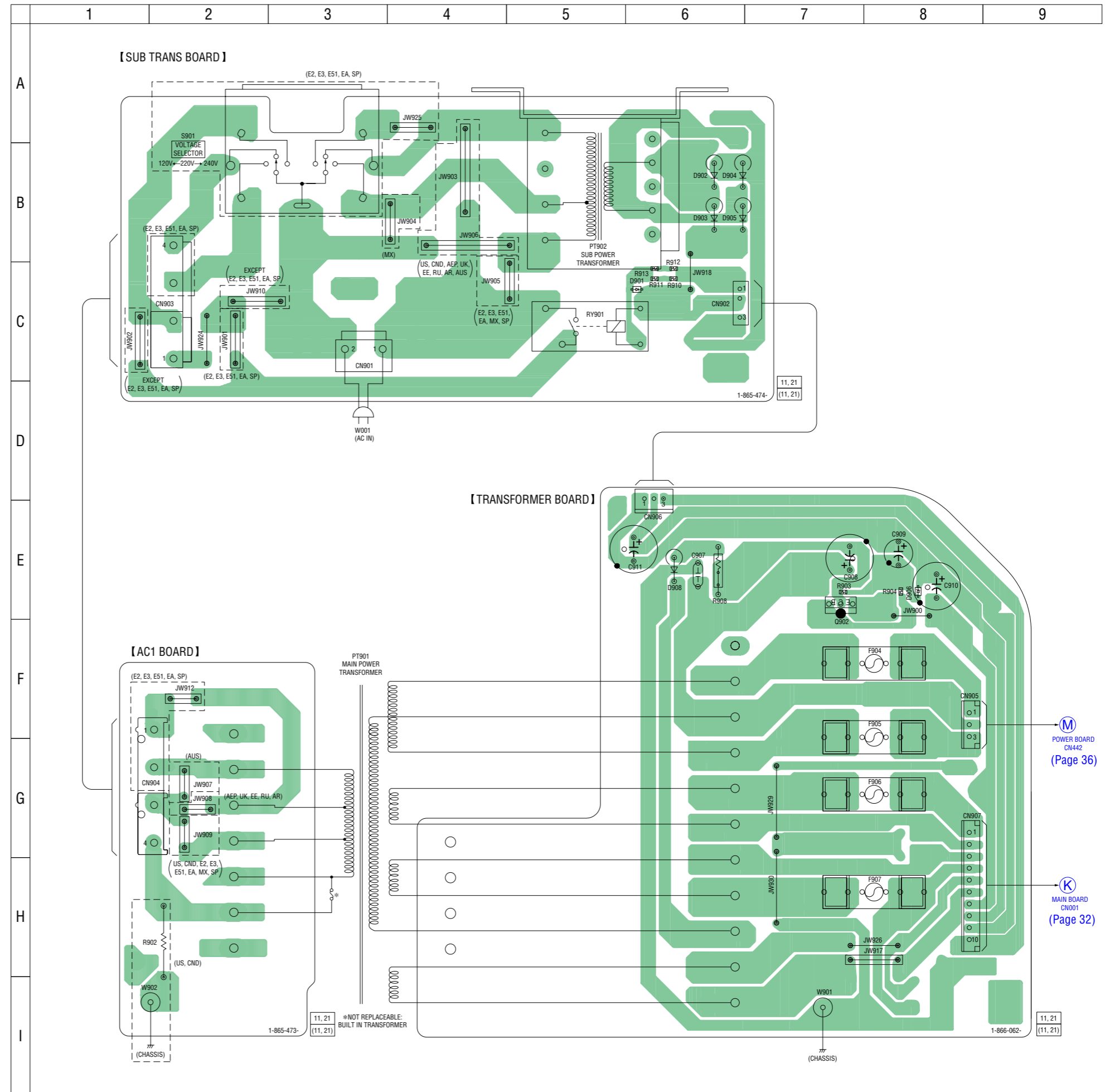
6-26. SCHEMATIC DIAGRAM – PANEL Section (2/2) –



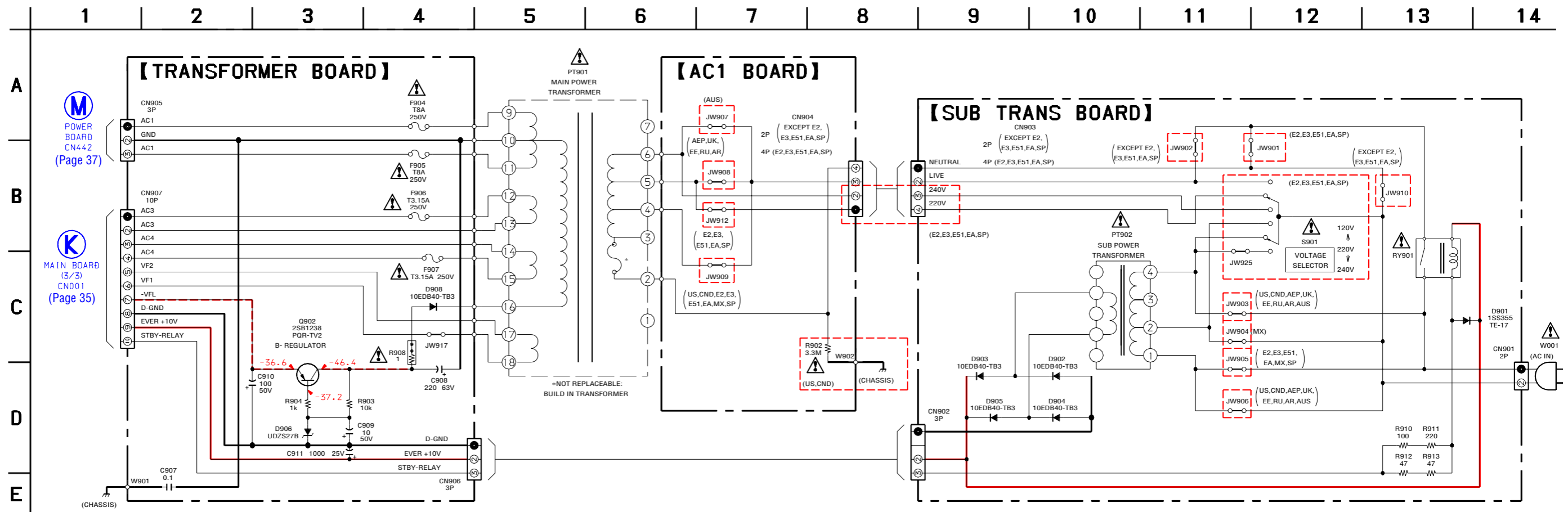
6-27. PRINTED WIRING BOARDS –TRANS Section – • See page 25 for Circuit Boards Location.  : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D901	C-6
D902	B-6
D903	B-6
D904	B-6
D905	B-6
D906	E-8
D908	E-6
Q902	E-7

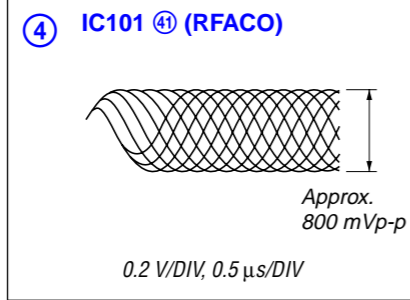
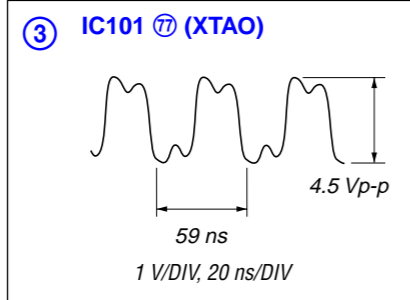
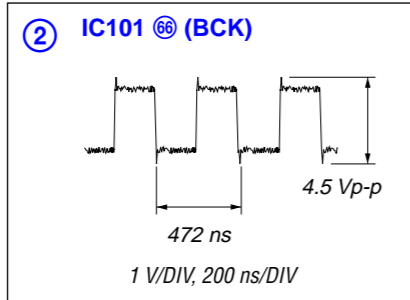
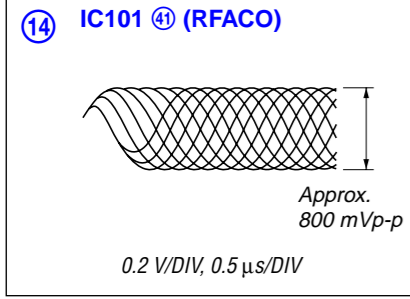
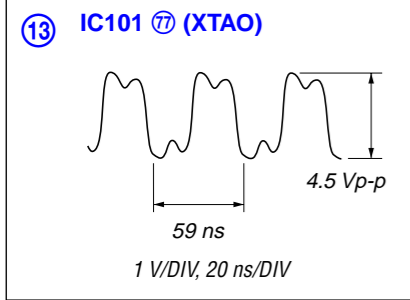
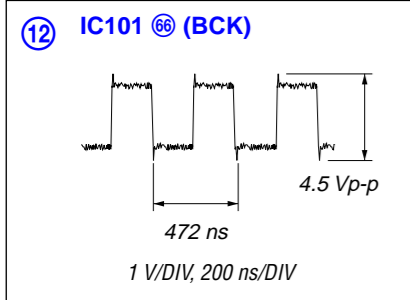
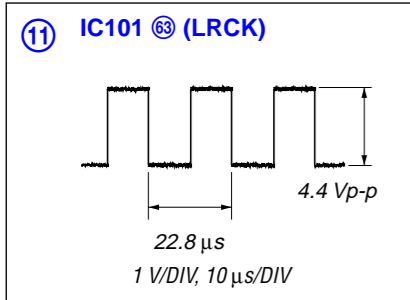


6-28. SCHEMATIC DIAGRAM – TRANS Section –

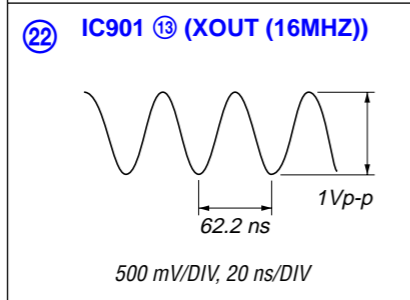
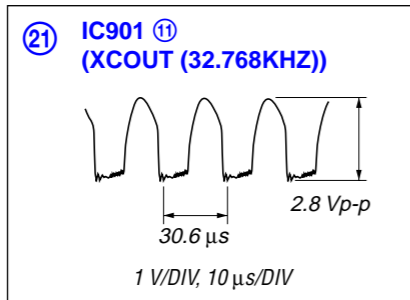


• Waveforms

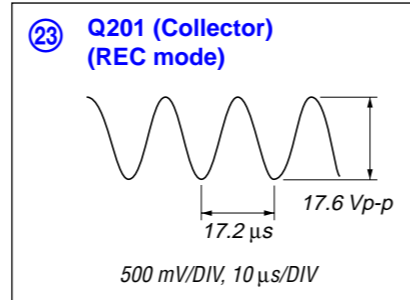
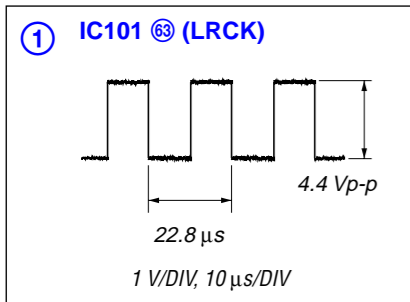
– CD Board – (Except MX model)



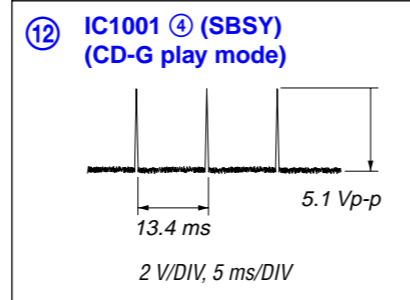
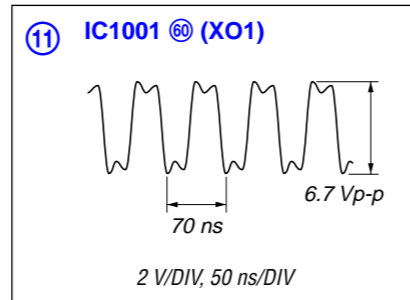
– MAIN Board –



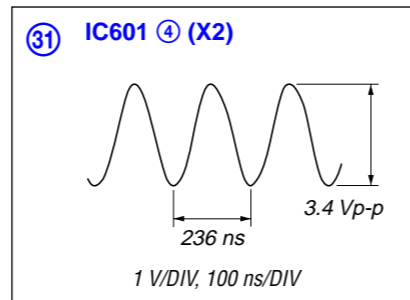
– BD Board – (MX model only)



– CD-G Board –



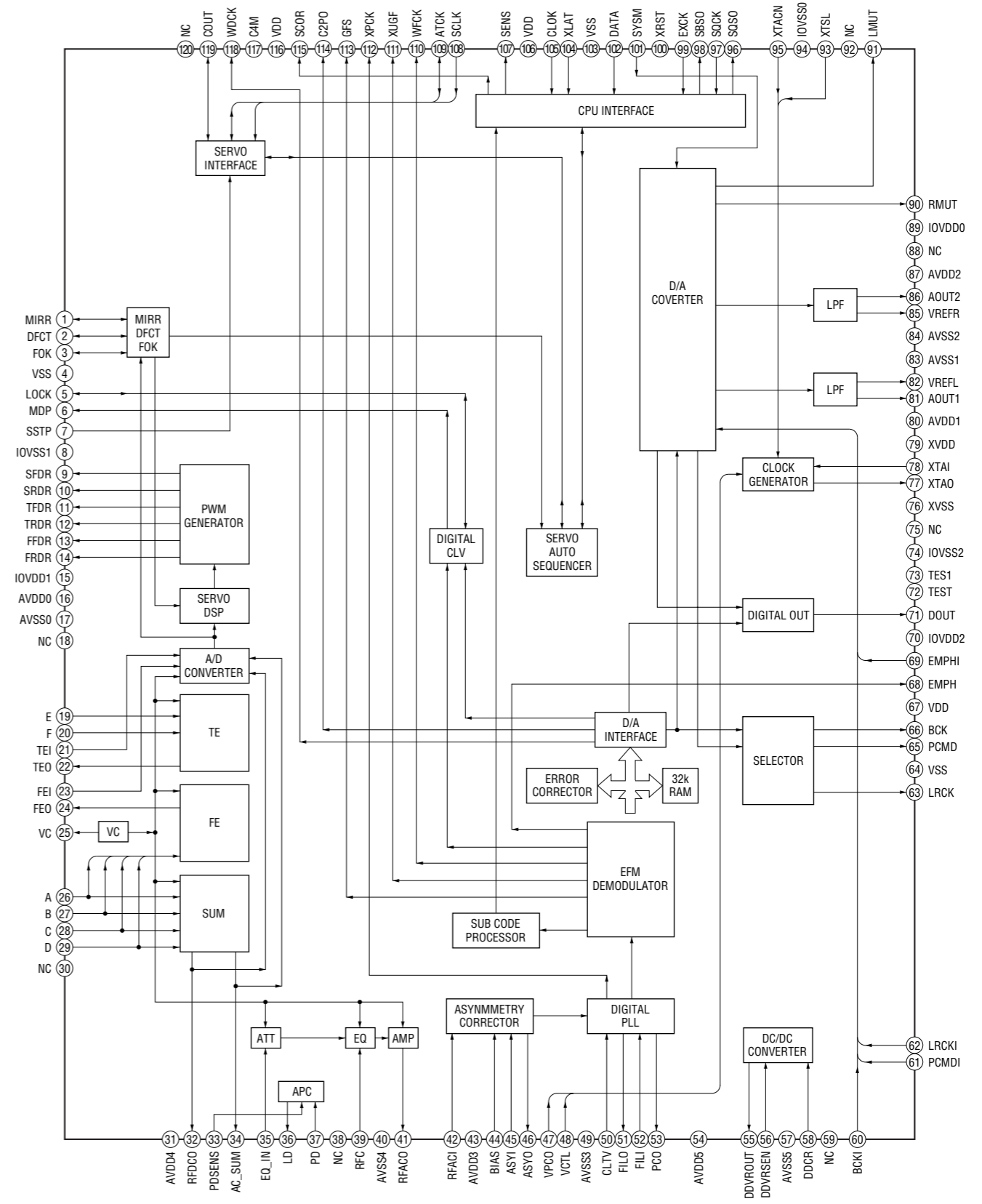
– PANEL Board –



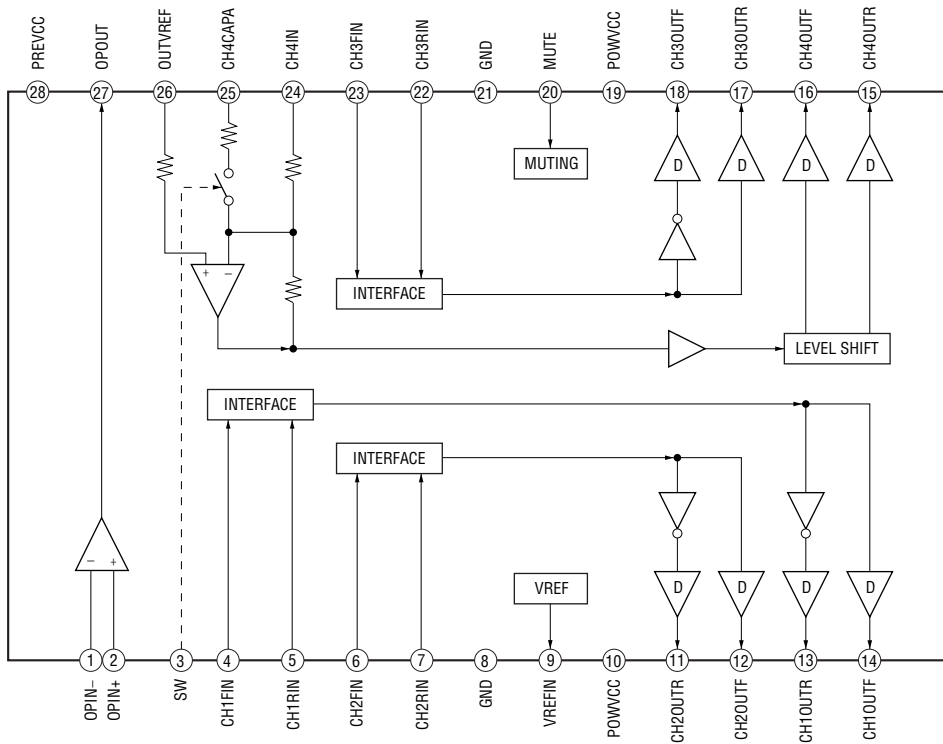
• IC Block Diagrams

– CD Board –

IC101 CXD3059AR

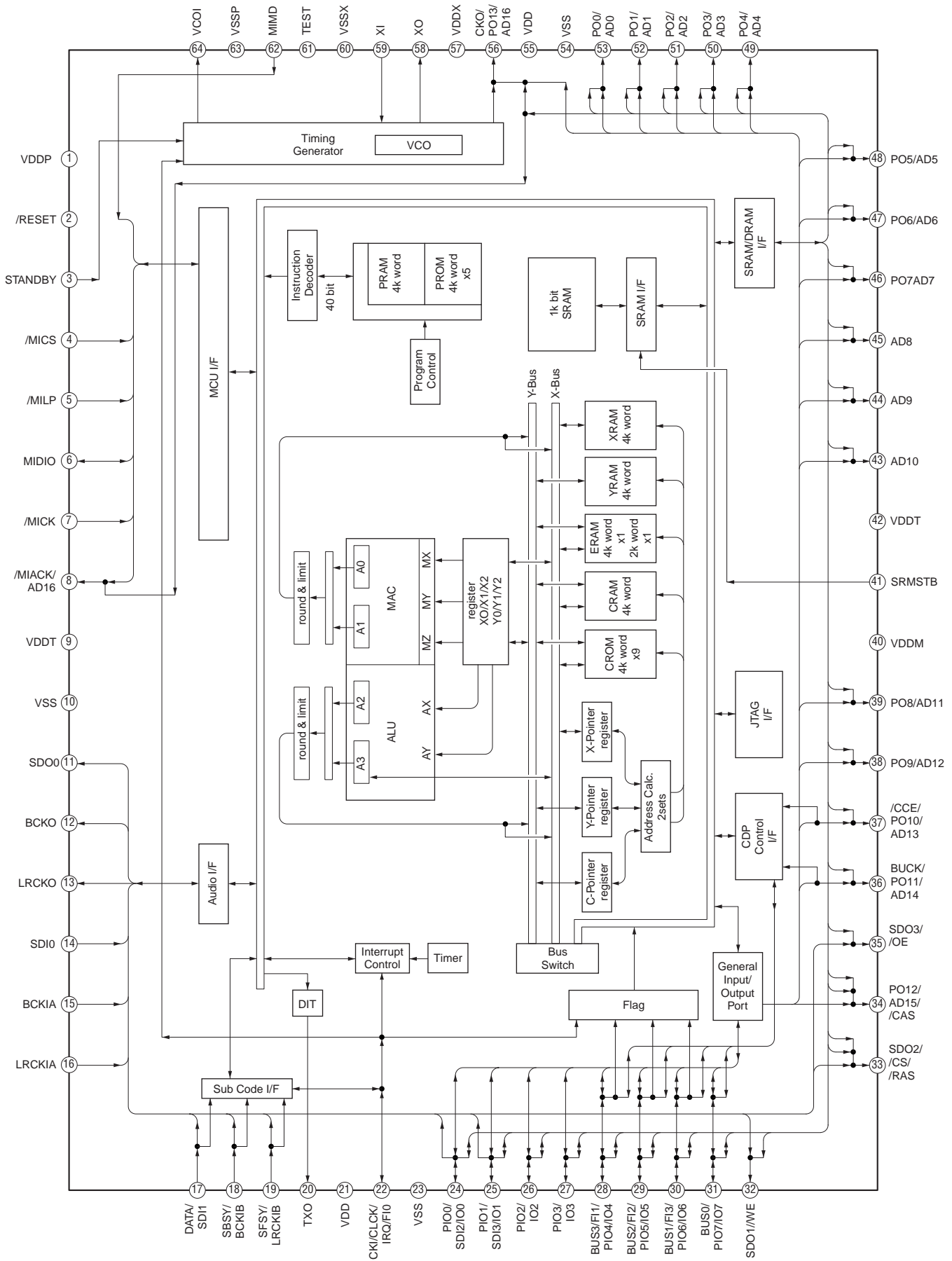


IC251 BA5947FM-E2

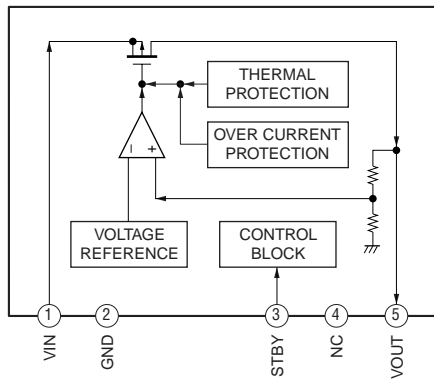


HCD-GX355/GX555/RG270/RG475/RG575

IC301 TC94A34FG-002



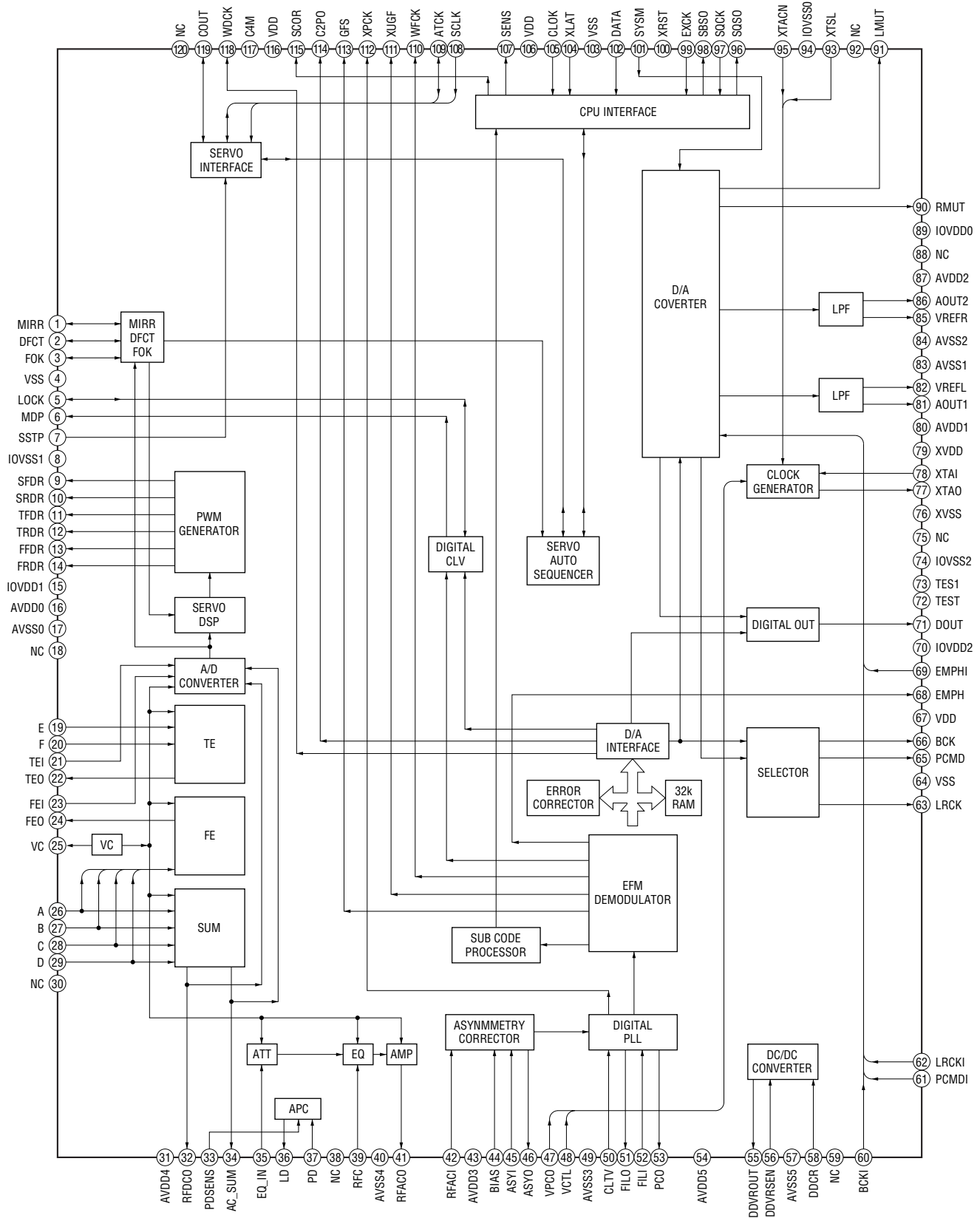
IC303 BH15FB1WG



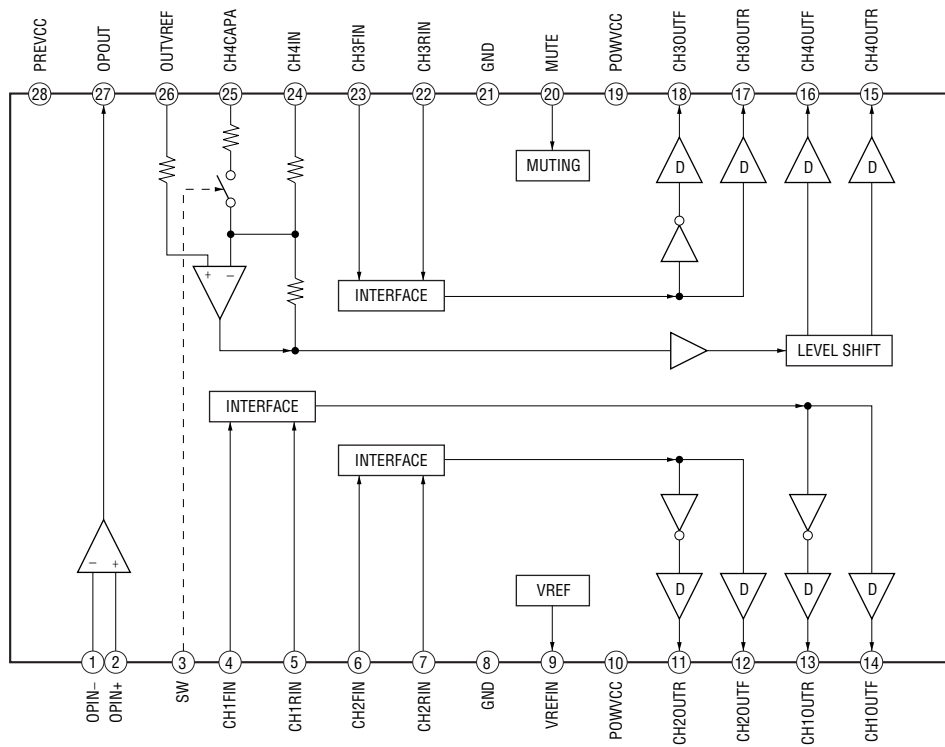
HCD-GX355/GX555/RG270/RG475/RG575

– BD Board –

IC101 CXD3059AR

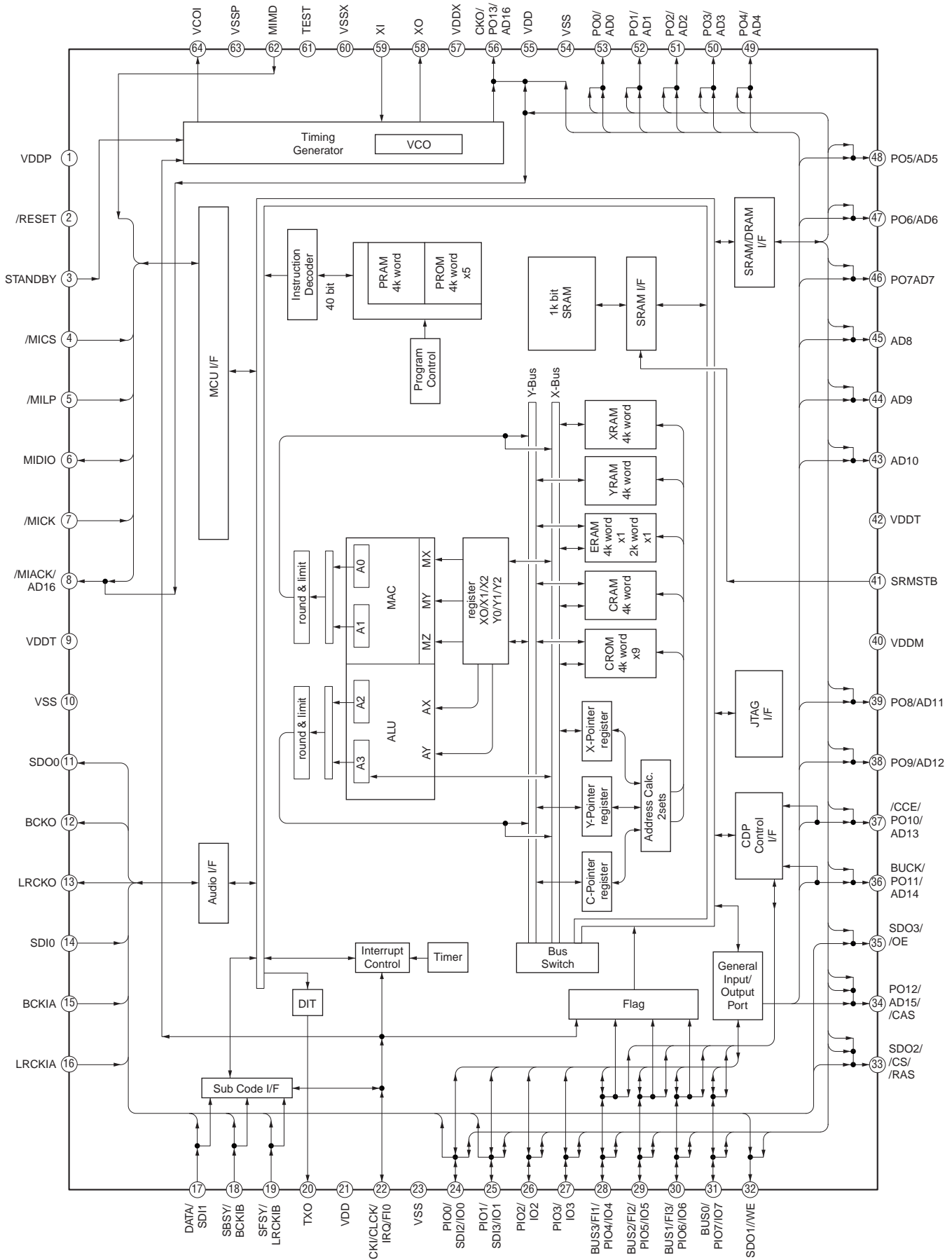


IC251 BA5947FM-E2



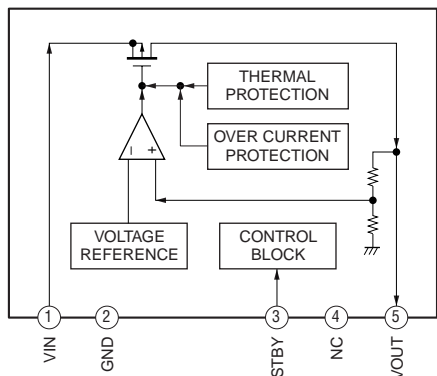
HCD-GX355/GX555/RG270/RG475/RG575

IC301 TC94A34FG-002

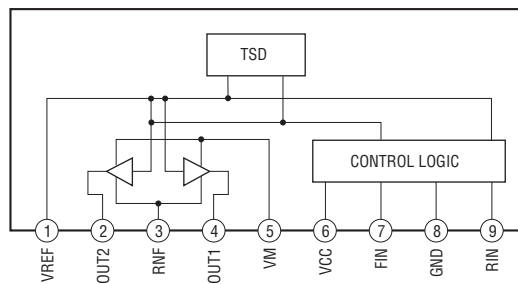


– DRIVER Board –

IC303 BH15FB1WG

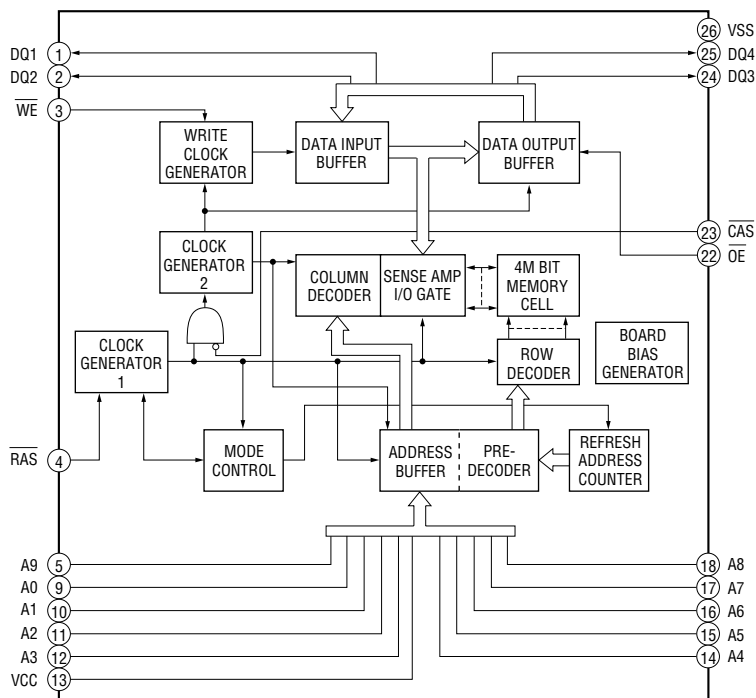


IC701, 712 BA6956AN

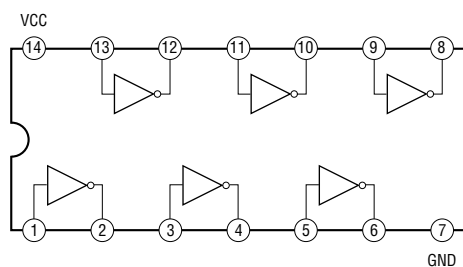


– CD-G Board –

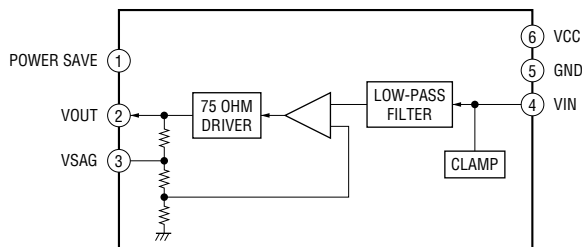
IC1002 MSM514400E-60TS-K



IC1005 SN74AHCT04NSR



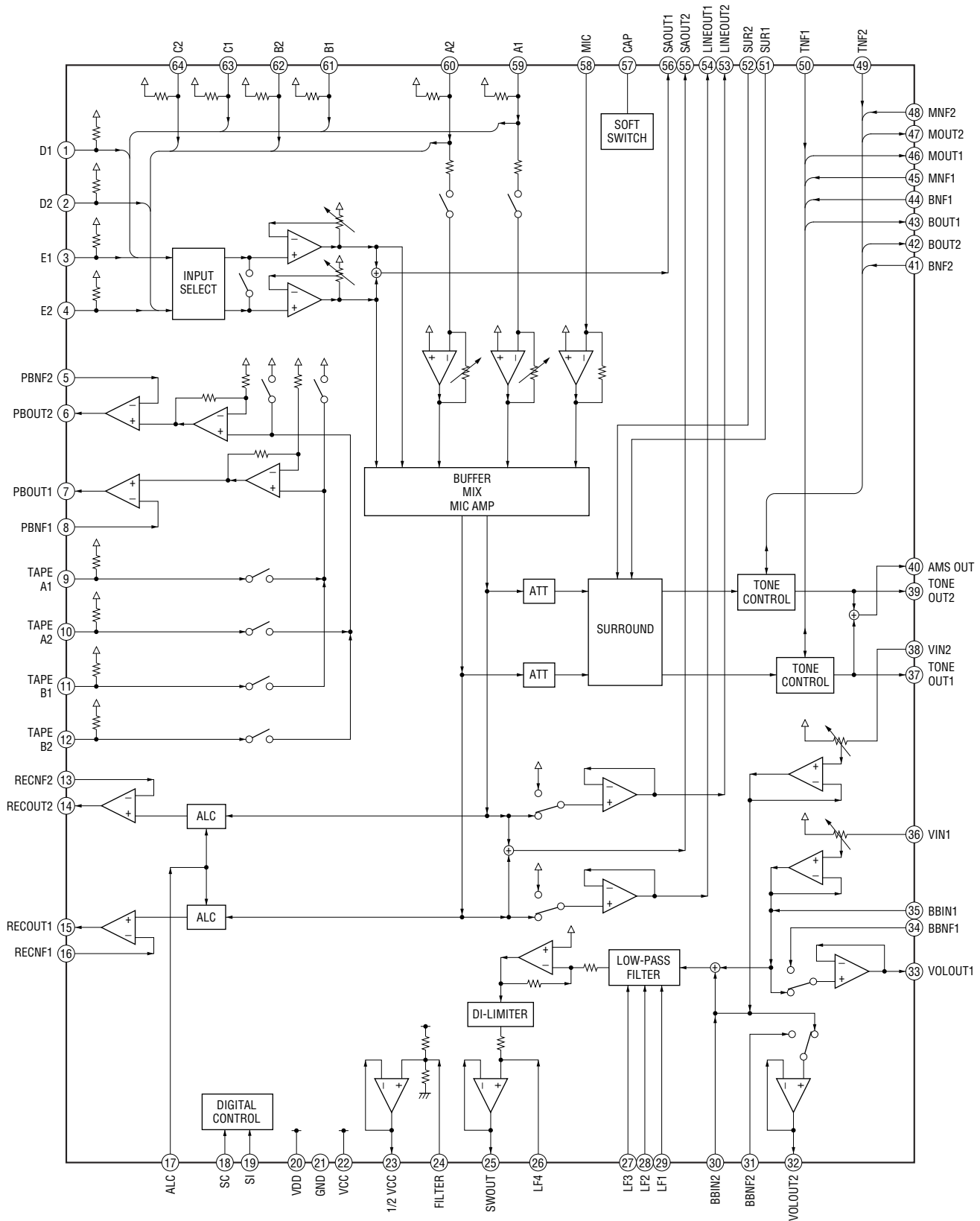
IC1006 NJM2561F1-TE2



HCD-GX355/GX555/RG270/RG475/RG575

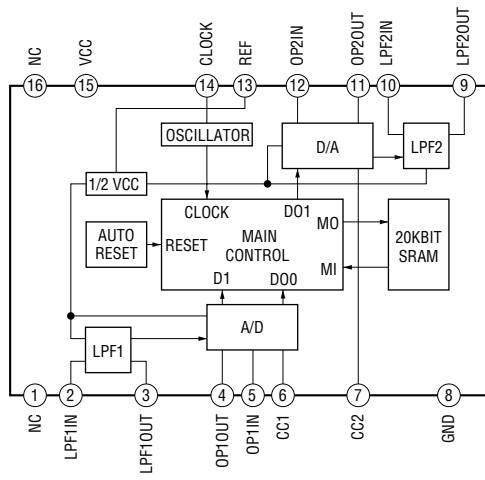
– MAIN Board –

IC101 BD3401KS2



– MIC Board –

IC802 M65850FP-E1



HCD-GX355/GX555/RG270/RG475/RG575

• IC Pin Function Description

MAIN BOARD M30302MCP-A02FPU0 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	O-BD3401-DATA	O	Serial data output to the electrical volume
2	O-BD3401-CLK	O	Serial data transfer clock signal output to the electrical volume
3	O-VFD-RESET	O	System reset signal output to the FL/LED driver
4	O-VFD-CE	O	Chip enable signal output to the FL/LED driver
5	I-AC-CUT	I	AC power detection signal input terminal
6	I-VOL-A	I	Jog dial pulse input terminal
7	I-SIRCS-IN	I	SIRCS signal input terminal
8	BYTE	I	Mode setting terminal Normally not used
9	CNVSS	I	Mode setting terminal Normally not used
10	XCIN (32.768KHZ)	I	Sub system clock input terminal (32.768 kHz)
11	XCOUT (32.768KHZ)	O	Sub system clock output terminal (32.768 kHz)
12	I-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 (16MHZ)	O	Main system clock output terminal (16 MHz)
14	VSS	-	Ground terminal
15	XIN (16MHZ)	I	Main system clock input terminal (16 MHz)
16	VCC1	-	Power supply terminal (+3.3V)
17	NMI	I	Non-maskable interrupt signal input terminal
18	I-RDS-CLK	I	RDS data transfer clock signal input terminal (AEP, UK, East European models)
19	I-SCOR	I	Subcode Q sync (SCOR) input from the CD DSP
20	I-AC-PULSE	I	AC main power detection signal input terminal
21	I-VOL-B	I	Jog dial pulse input terminal
22	O-STBY-LED	O	LED drive signal output terminal
23	O-SYS-MUTE	O	Muting on/off control signal output terminal
24	O-STK-MUTE	O	Standby signal output to the power amplifier (for front speaker output)
25	O-SWR	O	Relay drive signal output for surround output (GX555/RG475/RG575)
26	O-POWER-RELAY	O	Relay drive signal output for main power
27	O-FRONT-SP-RELAY	O	Power on/off control signal output for the fan motor and amplifier section
28	O-MP3-CLK	O	Serial data transfer clock signal output to the MP3 decoder
29	I-MP3-DI	I	Serial data input from the MP3 decoder
30	O-MP3-DATA	O	Serial data output to the MP3 decoder
31	O-CD-DATA	O	Serial data output to the CD DSP
32	I-CD-SENS	I	Internal status (SENSE) input from the CD DSP
33	O-CD-CLK	O	Serial data transfer clock signal output to the CD DSP
34	O-XTCN	O	Oscillator control signal output to the CD DSP
35	O-VFD-DATA	O	Serial data output to the FL/LED driver
36	I-VFD-DATA	I	Serial data input from the FL/LED driver
37	O-VFD-CLK	O	Serial data transfer clock signal output to the FL/LED driver
38	O-MP3-RESET	O	System reset signal output to the MP3 decoder
39	O-MP3-CS	O	Chip select signal output to the MP3 decoder
40	I-MP3-ACK	I	Acknowledge signal input from the MP3 decoder
41	xHOLD	I/O	Not used

Pin No.	Pin Name	I/O	Description
42	O-MP3-STB	O	Standby signal output to the MP3 decoder
43	I-MP3-REQ	I	Data send request signal input from the MP3 decoder
44	O-MP3-LP	O	Latch pulse signal output to the MP3 decoder
45	O-XLT	O	Latch pulse signal output to the CD DSP
46	xWR	I/O	Not used
47	O-XRST	O	System reset signal output to the CD DSP and motor/coil driver
48, 49	O-LM-R, O-LM-F	O	Loading motor control signal output terminal
50, 51	O-TM-R, O-TM-F	O	Table motor control signal output terminal
52 to 54	I-E-1 to I-E-3	I	Disc tray address sensor (rotary encoder) input terminal
55	I-CD NUMBER SENS	I	Table address sensor input terminal
56	I-OPEN-SW	I	Disc tray open/close detection switch input terminal
57	O-CDG-MUTE- DATA	O	Muting control signal output to the CD graphics decoder (Mexican model)
58	O-CDG-RST	O	System reset signal output to the CD graphics decoder (Mexican model)
59	O-CDG-BGC	O	NTSC/PAL switching control signal output terminal (Mexican model)
60	I-CDG-DET	I	CD-G detection signal input terminal (Mexican model)
61	O-CDG-POWER	O	Power on/off control signal output for CD-G section (Mexican model)
62	VCC2	-	Power supply terminal (+3.3V)
63	O-VMUTE	O	Video muting on/off control signal output terminal (Mexican model)
64	VSS	-	Ground terminal
65	O-LC72121-CLK	O	Serial data transfer clock signal output to the FM/AM tuner pack
66	I-LC72121-DI	I	Serial data input from the FM/AM tuner pack
67	O-LC72121-DO	O	Serial data output to the FM/AM tuner pack
68	O-LC72121-CE	O	Chip enable signal output to the FM/AM tuner pack
69	$\overline{\text{I-TUNED}}$	I	Tuning detection signal input from the FM/AM tuner pack
70	$\overline{\text{I-STEREO}}$	I	FM stereo detection signal input from the FM/AM tuner pack
71	O-ST-MUTE	O	Muting on/off control signal output to the FM/AM tuner pack
72	I-RDS-DATA	I	RDS data input from the terminal (AEP, UK, East European models)
73	I-MODEL1	I	Setting terminal for the destination and model type
74	I-KEY0	I	Front panel key input terminal (A/D input)
75 to 80	I-MODEL2 to I-MODEL7	I	Setting terminal for the destination and model type
81	I-HP/AUDIO IN	I	Headphone plug and audio in plug insert detection signal input
82	I-MIC	I	MIC plug insert detection signal input terminal (120 V AC area in E, Chilean, Peruvian, Argentina, Mexican models)
83	I-REAL-A	I	Deck-A tape reel rotating detection signal input terminal
84	I-REAL-B	I	Deck-B tape reel rotating detection signal input terminal
85	O-MOTOR	O	Capstan/reel motor drive signal output terminal
86	O-A-SOL	O	Deck-A plunger drive signal output terminal
87	O-B-SOL	O	Deck-B plunger drive signal output terminal
88	I-TAPE-A-STAT	I	Deck-A cassette detection signal, deck-A mode detection signal and recording (reverse direction) detection signal input terminal (A/D input)
89	I-TAPE-B-STAT	I	Deck-B cassette detection signal, deck-B mode detection signal and recording (forward direction) detection signal input terminal (A/D input)
90	O-REC/PB	O	REC/PB switching control signal output terminal

HCD-GX355/GX555/RG270/RG475/RG575

Pin No.	Pin Name	I/O	Description
91	O-BIAS	O	REC bias on/off control signal output terminal
92	I-TAPE-AMS	I	Auto music sensor detection signal input from the electrical volume "L": music is present, "H": music is not present
93	I-STREAM	I	Audio signal input for stream LED (A/D input)
94	I-VACS	I	VACS signal input terminal (A/D input)
95	I-PROTECTOR	I	Protector operating detection signal input terminal
96	AVSS	-	Ground terminal
97	I-POWER, DISPLAY	I	Front panel key input terminal (A/D input)
98	VREF	I	Reference voltage input terminal
99	AVCC	-	Power supply terminal (+3.3V)
100	NC	O	Not used

CD-G BOARD IC1001 TC9411AFG (BS, K) (CD GRAPHICS DECODER)

Pin No.	Pin Name	I/O	Description
1	SESUB	I	Not used
2	CLCK	O	Serial data transfer clock signal output to the CD DSP
3	DATA	I	Serial data input from the CD DSP
4	SBSY	I	Subcode Q sync (SCOR) input from the CD DSP
5	SFSY	I	WFCK signal input from the CD DSP
6	MUTE	I	Muting control signal input from the system controller
7	VDD1	-	Power supply terminal (+5V)
8	VSS1	-	Ground terminal
9	MCE	I	Chip enable signal input terminal Not used
10	MCDO	O	Serial data output terminal Not used
11	MCDI	I	Serial data input terminal Not used
12	MCCK	I	Serial data transfer clock signal input terminal Not used
13	$\overline{\text{WE}}$	O	Write enable signal output to the D-RAM
14	$\overline{\text{RAS}}$	O	Row address strobe signal output to the D-RAM
15 to 22	VA0 to VA7	O	Address signal output to the D-RAM
23	VSS2	-	Ground terminal
24	VDD2	-	Power supply terminal (+5V)
25	VD0	I/O	Two-way data bus with the D-RAM
26	$\overline{\text{CAS}}$	O	Column address strobe signal output to the D-RAM
27	VD1	I/O	Two-way data bus with the D-RAM
28	$\overline{\text{OE}}$	O	Data read strobe signal output to the D-RAM
29, 30	VD2, VD3	I/O	Two-way data bus with the D-RAM
31	BLANKIN	I	Blank signal input terminal Not used
32	BIN	I	RGB (B) signal input terminal Not used
33	GIN	I	RGB (G) signal input terminal Not used
34	RIN	I	RGB (R) signal input terminal Not used
35	$\overline{\text{HSYNC}}$	O	Horizontal synchronize signal output terminal Not used
36	$\overline{\text{VSYNC}}$	O	Vertical synchronize signal output terminal Not used
37	CDET	O	CD-G detection signal output terminal
38	VON	I	Video on control signal input terminal Not used
39, 40	TEST1, TEST2	I	Test mode setting terminal
41	LINESW	I	Line switch input terminal Not used
42	VREF	I	Reference voltage input terminal
43	AVDD	-	Power supply terminal (+5V)
44	VDOOUT	O	Video signal output terminal
45	AVSS	-	Ground terminal
46, 47	BIAS1, BIAS2	I	For bias setting terminal
48	VSS3	-	Ground terminal
49	VDD3	-	Power supply terminal (+5V)
50	QNG	O	Not used
51	PNG	O	Not used
52	DEN	I	NTSC/PAL switching control signal input terminal
53	FSC	O	Not used
54	$\overline{\text{RESET}}$	I	System reset signal input from the system controller
55	SENTSC	I	Mode setting terminal
56	PDOWN	I	Mode setting terminal

HCD-GX355/GX555/RG270/RG475/RG575

Pin No.	Pin Name	I/O	Description
57	XI2	I	System clock input terminal (17.734475 MHz) (for PAL) Not used
58	XO2	O	System clock output terminal (17.734475 MHz) (for PAL) Not used
59	XI1	I	System clock input terminal (14.31818 MHz) (for NTSC)
60	XO1	O	System clock output terminal (14.31818 MHz) (for NTSC)

PANEL BOARD IC701 μ PD780232GC-508-8BT-A (FL/LED DRIVER)

Pin No.	Pin Name	I/O	Description
1	VDD1	-	Power supply terminal (+3.3V)
2	VSS1	-	Ground terminal
3	X1	I	System clock input terminal (4.19 MHz)
4	X2	O	System clock output terminal (4.19 MHz)
5	IC	I	Not used
6	$\overline{\text{RESET}}$	I	System reset signal input from the system controller "L": reset
7	SCK1	I	Serial data transfer clock signal input from the system controller
8	S11	O	Serial data output to the system controller
9	SO1	I	Serial data input from the system controller
10 to 15	NC	I	Not used
16	CE	I	Chip select signal input from the system controller
17	NC	I	Not used
18	AVSS	-	Ground terminal
19 to 22	KEY1 to KEY4	I	Front panel key input terminal (A/D input)
23	VSS0	-	Ground terminal
24	AVDD	-	Power supply terminal (+5V)
25	VDD0	-	Power supply terminal (+5V)
26 to 31	STREAM LED1 to STREAM LED6	O	LED drive signal output terminal
32	SW LED	O	LED drive signal output terminal
33 to 44	NC	I	Not used
45 to 58	S1 to S14	O	Segment drive signal output to the fluorescent indicator tube
59	VDD2	-	Power supply terminal (+5V)
60	VLOD	-	Power supply terminal (for fluorescent indicator tube drive)
61 to 67	S15 to S21	O	Segment drive signal output to the fluorescent indicator tube
68 to 80	G1 to G13	O	Grid drive signal output to the fluorescent indicator tube

SECTION 7
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

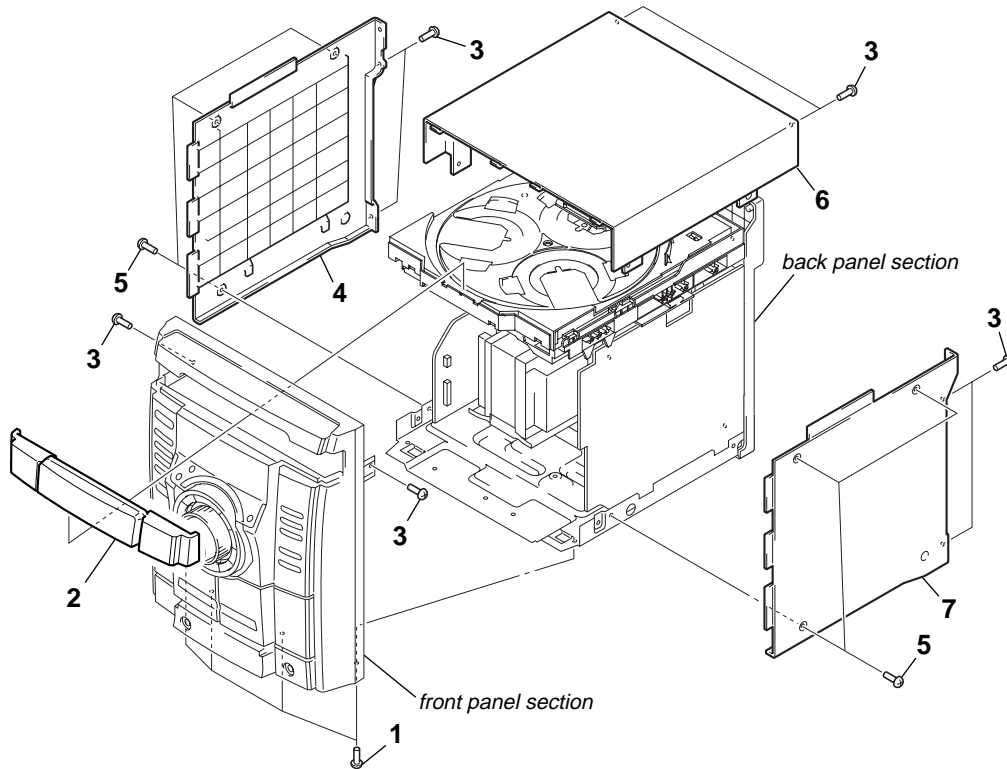
- | | | |
|------------------------------|-----------------------------------|----------------------|
| AR : Argentine model | E3 : 240V AC Area in E model | MX : Mexican model |
| AUS : Australian model | E51 : Chilean and Peruvian models | RU : Russian model |
| CND : Canadian model | EA : Saudi Arabia model | SP : Singapore model |
| E2 : 120V AC Area in E model | EE : East European 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.

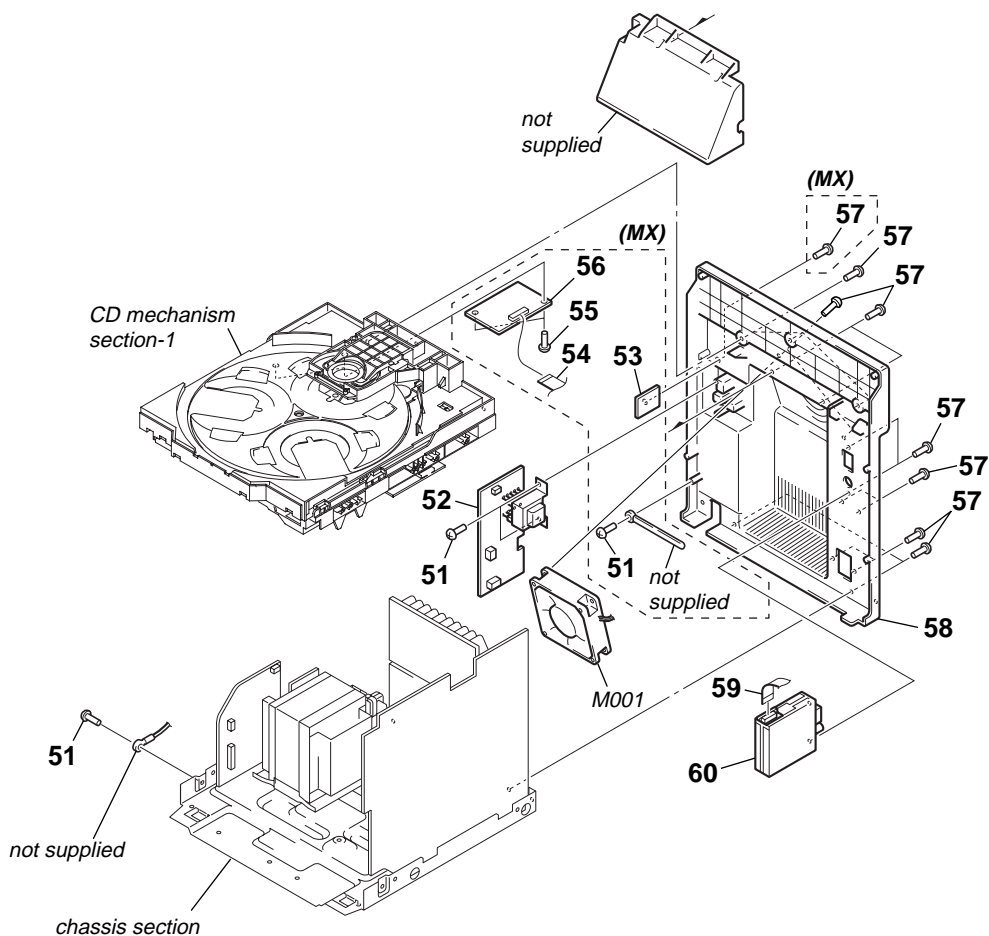
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. OVERALL SECTION



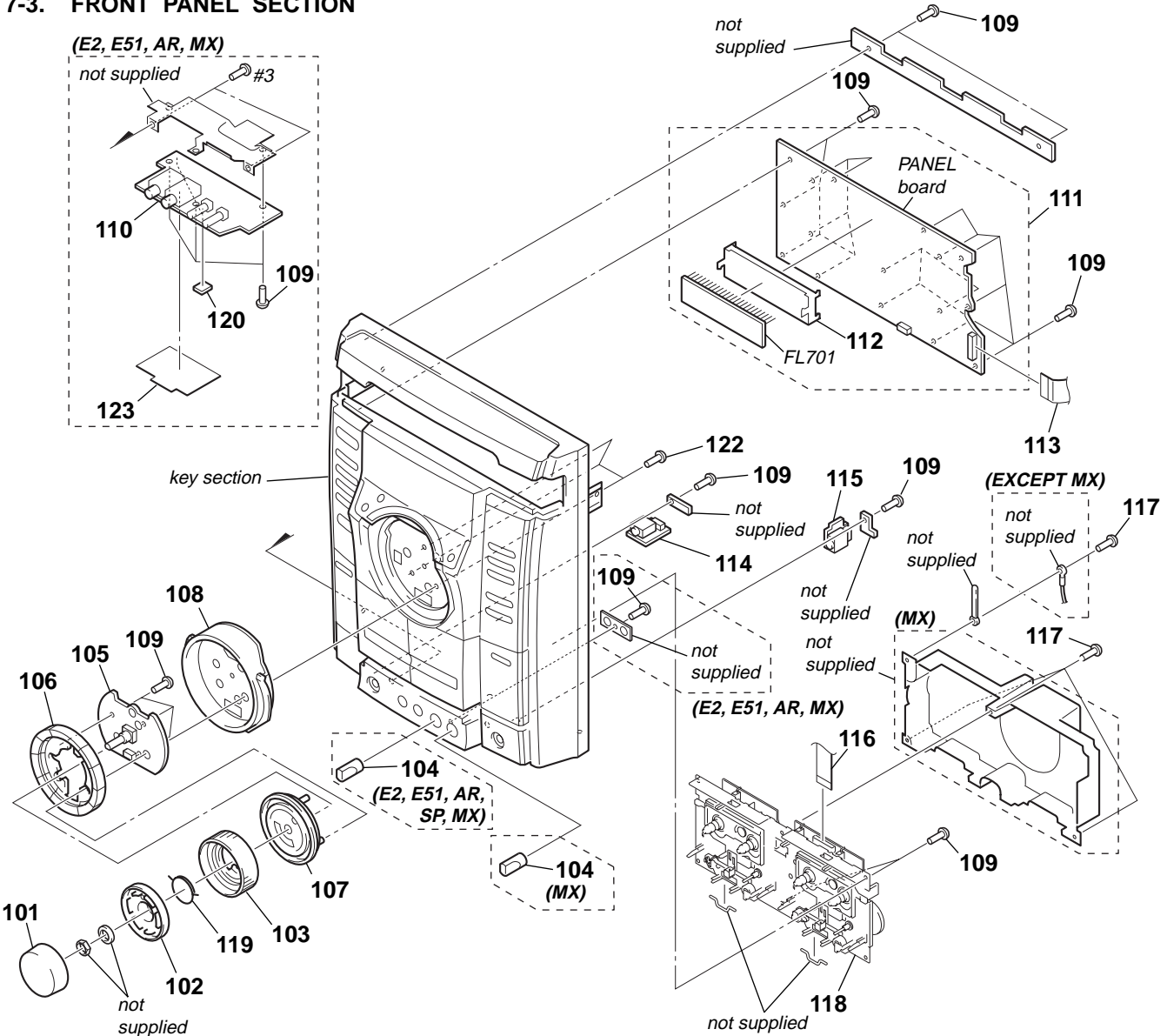
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-252-829-01	SCREW (B3), (+) BV TAPPING		3	3-254-143-11	SCREW (B3), (+) BV TAPPING	
2	2-348-866-01	DOOR (CD) (GX555)		4	2-599-855-01	CASE (SIDE-L) (US)	
2	2-348-866-11	DOOR (CD) (RG475)		4	2-599-855-11	CASE (SIDE-L) (EXCEPT US)	
2	2-348-866-31	DOOR (CD) (GX355)		5	3-363-099-32	SCREW (CASE 3 TP2)	
2	2-348-866-41	DOOR (CD) (RG270: AEP, UK, EE, RU, E3, EA, AUS)		6	2-599-854-01	CASE (TOP) (US)	
2	2-348-866-51	DOOR (CD) (RG270: E2, E51, MX, AR)		6	2-599-854-11	CASE (TOP) (EXCEPT US)	
2	2-580-021-21	DOOR (CD) (RG575)		7	2-599-856-01	CASE (SIDE-R) (US)	
				7	2-599-856-11	CASE (SIDE-R) (EXCEPT US)	

7-2. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	3-254-142-01	SCREW (B3), (+) BV TAPPING		57	3-254-143-11	SCREW (B3), (+) BV TAPPING	
52	A-1094-102-A	SUB TRANS BOARD, COMPLETE (GX555)		58	2-549-976-01	PANEL, BACK (GX555: US)	
52	A-1094-103-A	SUB TRANS BOARD, COMPLETE (RG475: AEP, UK, EE, RU)		58	2-549-976-11	PANEL, BACK (GX555: CND/ RG475 :AEP, UK, EE, RU, AUS/RG575: AR)	
52	A-1094-104-A	SUB TRANS BOARD, COMPLETE (AUS)		58	2-549-976-21	PANEL, BACK (RG475: E3, SP/RG575: E2, E51, SP)	
52	A-1094-105-A	SUB TRANS BOARD, COMPLETE (RG270: E2, E3, E51/RG475: E3, SP)		58	2-549-976-31	PANEL, BACK (GX355: US)	
52	A-1094-108-A	SUB TRANS BOARD, COMPLETE (GX355)		58	2-549-976-41	PANEL, BACK (GX355: CND/ RG270: AEP, UK, EE, RU, AR, AUS)	
52	A-1094-109-A	SUB TRANS BOARD, COMPLETE (RG270: AEP, UK, EE, RU)		58	2-549-976-51	PANEL, BACK (RG270: E2, E3, E51)	
52	A-1094-110-A	SUB TRANS BOARD, COMPLETE (EA)		58	2-549-976-61	PANEL, BACK (RG270: EA)	
52	A-1094-111-A	SUB TRANS BOARD, COMPLETE (RG270: MX)		58	2-549-976-71	PANEL, BACK (RG270: MX)	
52	A-1094-112-A	SUB TRANS BOARD, COMPLETE (RG270: AR)		58	2-549-977-31	PANEL, BACK (RG575: MX)	
52	A-1094-129-A	SUB TRANS BOARD, COMPLETE (RG575: E2, E51, SP)		59	1-828-963-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT AEP, UK, EE)	
52	A-1094-130-A	SUB TRANS BOARD, COMPLETE (RG575: MX)		59	1-828-980-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK, EE)	
52	A-1094-131-A	SUB TRANS BOARD, COMPLETE (RG575: AR)		60	1-693-615-11	TUNER (FM/AM) (E2, E3, E51, EA, MX, AR, AUS, SP)	
53	A-1124-118-A	VIDEO OUT BOARD, COMPLETE (RG575: MX)		60	1-693-616-11	TUNER (FM/AM) (AEP, UK, EE)	
53	A-1094-206-A	VIDEO OUT BOARD, COMPLETE (RG270: MX)		60	1-693-617-11	TUNER (FM/AM) (RU)	
54	1-828-975-11	WIRE (FLAT TYPE) (13 CORE) (MX)		60	1-693-631-31	TUNER (FM/AM) (US, CND)	
55	4-951-620-11	SCREW (2.6X10), +BVTP (MX)		M001	1-787-319-11	FAN, DC	
56	A-1094-204-A	CD-G BOARD, COMPLETE (MX)					

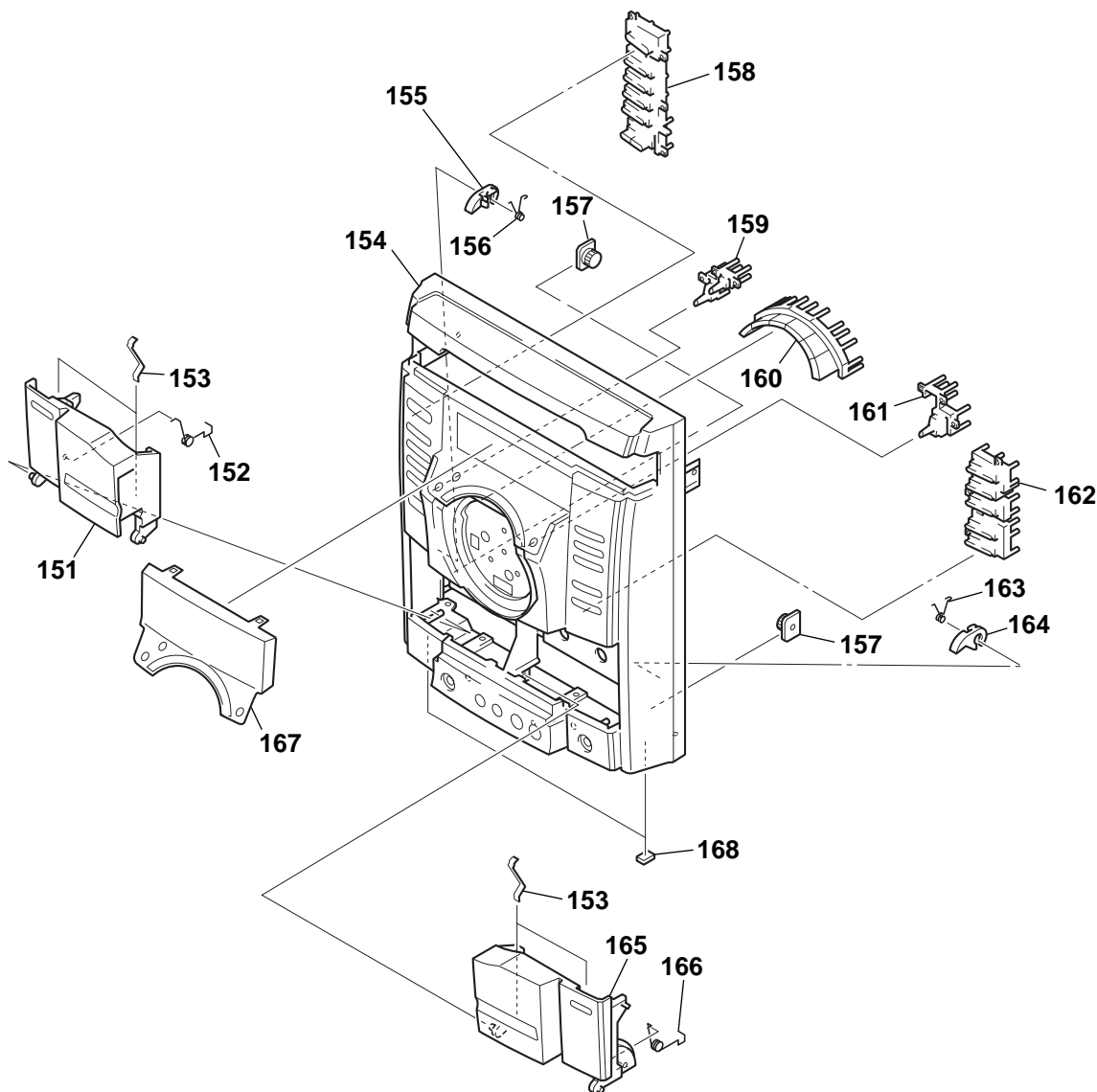
7-3. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
101	4-252-214-01	KNOB, VOLUME	
102	2-348-884-01	RING (JOG)	
103	2-348-875-11	KNOB (JOG)	
104	2-586-559-01	KNOB (MIC) (E2, E51, MX, AR, SP)	
105	A-1093-874-A	VOL BOARD, COMPLETE (GX355/RG270/GX555/RG475)	
105	A-1093-878-A	VOL BOARD, COMPLETE (RG575)	
106	2-348-870-01	KEY (PLAY) (ALBUM -, ALBUM +, ◀▶, ◀▶ - EQ + ▶▶ - TUNING +, EQ BAND, ▶, ■)	
107	2-348-874-01	COVER (CENTER)	
108	X-2067-233-1	WINDOW (CENTER) ASSY (GX555/RG475/RG575)	
108	X-2067-234-1	WINDOW (CENTER) ASSY (GX355/RG270)	
109	4-951-620-01	SCREW (2.6X8), +BVTP	
110	A-1094-194-A	MIC BOARD, COMPLETE (RG270: E2, E51, AR)	
110	A-1094-196-A	MIC BOARD, COMPLETE (RG270: MX)	
110	A-1094-199-A	MIC BOARD, COMPLETE (RG575: E2, E51, AR)	
110	A-1094-200-A	MIC BOARD, COMPLETE (RG575: MX)	
111	A-1093-848-A	PANEL BOARD, COMPLETE (GX555/RG475)	
111	A-1093-850-A	PANEL BOARD, COMPLETE (GX355/RG270: AEP, UK, EE, RU, E2, E3, E51, EA, AR, AUS)	

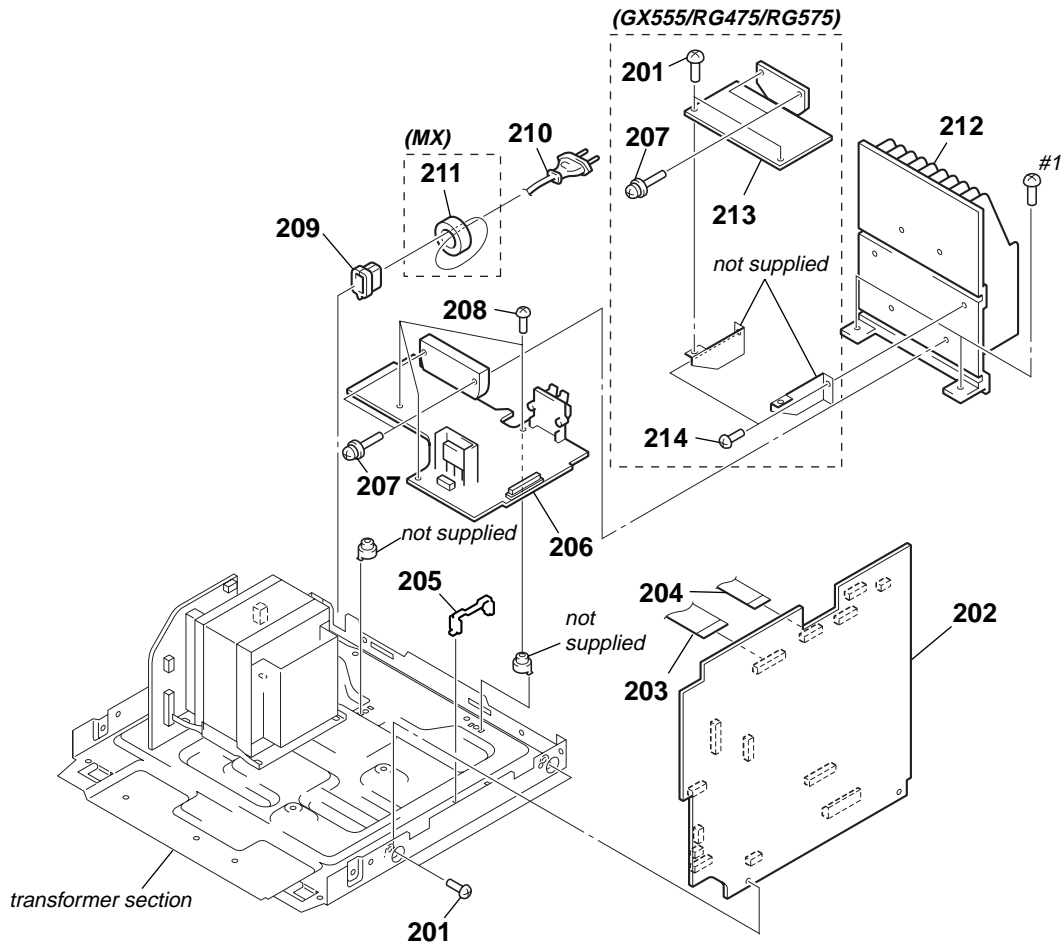
Ref. No.	Part No.	Description	Remark
111	A-1093-851-A	PANEL BOARD, COMPLETE (RG270: MX)	
111	A-1093-855-A	PANEL BOARD, COMPLETE (RG575: MX)	
111	A-1116-669-A	PANEL BOARD, COMPLETE (RG575: E2, E51, AR, SP)	
112	2-348-856-01	FL GUIDE	
113	1-829-003-11	WIRE (FLAT TYPE) (19 CORE)	
114	A-1094-028-A	AUDIO IN BOARD, COMPLETE (GX355/RG270/GX555/RG475)	
114	A-1094-031-A	AUDIO IN BOARD, COMPLETE (RG575)	
115	A-1094-404-A	HEADPHONE BOARD, COMPLETE (GX355/RG270/GX555/RG475)	
115	A-1094-407-A	HEADPHONE BOARD, COMPLETE (RG575)	
116	1-828-973-11	WIRE (FLAT TYPE) (13 CORE)	
117	4-951-620-01	SCREW (2.6X8), +BVTP (EXCEPT MX)	
117	4-951-620-11	SCREW (2.6X8), +BVTP (MX)	
118	1-796-485-51	DECK, MECHANICAL (CWM43FF13)	
119	4-252-223-01	SPRING, KNOB	
120	4-233-372-02	FOOT (FELT) (E2, E51, AR, MX)	
122	3-254-142-01	SCREW (B3), (+) BV TAPPING	
123	2-632-080-01	SHEET (MIC), SHIELD (E2, E51, AR, MX)	
FL701	1-518-976-31	INDICATOR TUBE, FLUORESCENT	
#3	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	

7-4. KEY SECTION



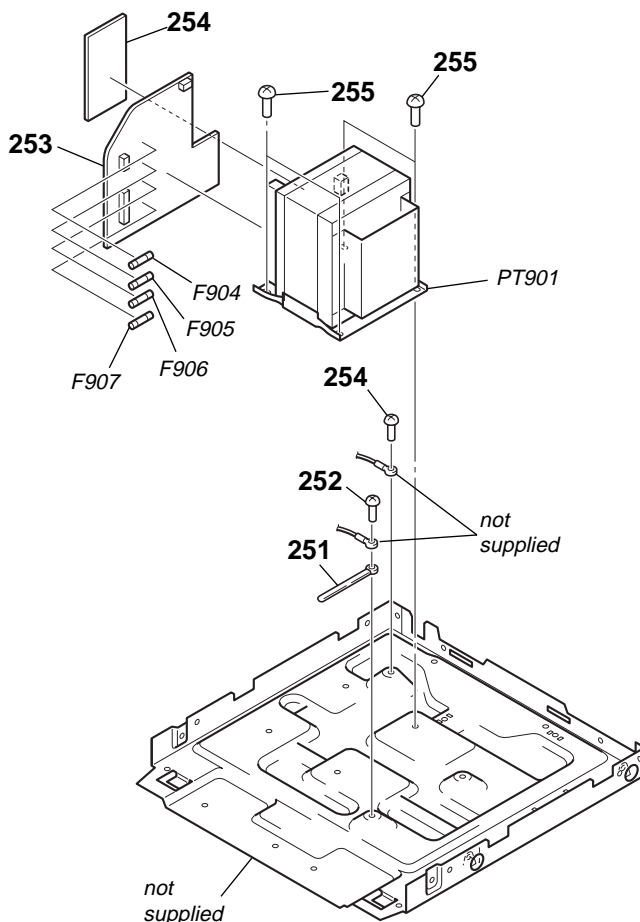
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	2-348-864-02	DOOR (A), CASSETTE		159	2-348-868-01	KEY (DISPLAY)	
152	2-549-974-01	SPRING (C-DOOR-L)		160	2-348-872-01	KEY (EQ) (GROOVE, PRESET EQ, P FILE, SURROUND, EFFECT ON/OFF, ENTER)	
153	4-238-631-11	TAPE SPRING		161	2-348-869-01	KEY (MODE) (MX)	
154	X-2067-223-1	PANEL (S) ASSY, FRONT (GX555: US)		161	2-348-869-11	KEY (MODE) (EXCEPT MX)	
154	X-2067-224-1	PANEL (S) ASSY, FRONT (GX555: CND/RG475/RG575: SP)		162	2-348-871-12	KEY (CD) (GX355/RG270)	
154	X-2067-225-1	PANEL (S) ASSY, FRONT (RG575: E2, E51, AR)		162	X-2067-232-1	KEY (CD) ASSY (GX555/RG475/RG575)	
154	X-2067-226-1	PANEL (S) ASSY, FRONT (GX355: US)		163	4-231-841-01	SPRING (HEART CAM-B)	
154	X-2067-227-1	PANEL (S) ASSY, FRONT (GX355: CND/RG270: AEP, EE, UK, RU, E3, EA, SP, AUS)		164	4-231-825-01	CAM (B), HEART	
154	X-2067-228-1	PANEL (S) ASSY, FRONT (RG270: E2, E51, AR)		165	2-348-865-02	DOOR (B), CASSETTE (EXCEPT E2, E51, MX, AR)	
154	X-2067-229-1	PANEL (S) ASSY, FRONT (RG270: MX)		165	2-348-865-12	DOOR (B), CASSETTE (E2, E51, MX, AR)	
154	X-2067-230-1	PANEL (S) ASSY, FRONT (RG575: MX)		166	2-549-975-01	SPRING (C-DOOR-R)	
155	4-231-824-01	CAM (A), HEART		167	2-348-859-01	WINDOW (DISPLAY-B) (MX)	
156	4-231-836-01	SPRING (HEART CAM-A)		167	2-348-862-01	WINDOW (DISPLAY-A) (EXCEPT AEP, UK, EE, MX)	
157	4-224-104-41	DAMPER		167	2-348-862-11	WINDOW (DISPLAY-A) (AEP, UK, EE)	
158	X-2067-231-1	KEY (POWER) ASSY		168	4-225-252-01	CUSHION (FOOT)	

7-5. CHASSIS SECTION



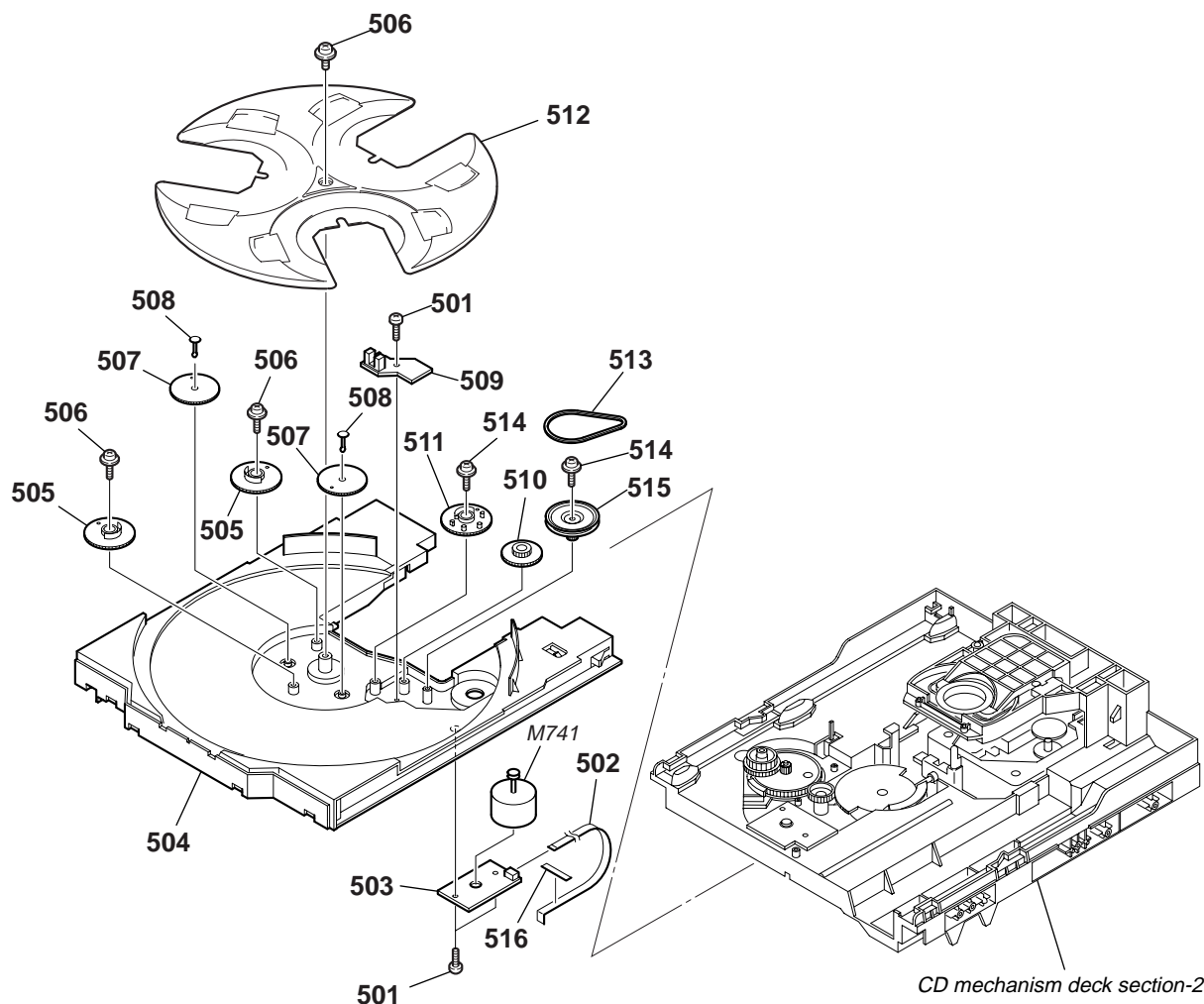
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	3-254-142-01	SCREW (B3), (+) BV TAPPING		206	A-1094-134-A	POWER BOARD, COMPLETE (RG475: E3, AUS)	
202	A-1093-929-A	MAIN BOARD, COMPLETE (GX555)		206	A-1094-136-A	POWER BOARD, COMPLETE (GX355)	
202	A-1093-930-A	MAIN BOARD, COMPLETE (RG475: AEP, UK, EE)		206	A-1094-137-A	POWER BOARD, COMPLETE (RG270: AEP, UK, EE, RU)	
202	A-1093-931-A	MAIN BOARD, COMPLETE (RG475: RU)		206	A-1094-138-A	POWER BOARD, COMPLETE (RG270: E2, E3, E51, EA, MX, AR, AUS)	
202	A-1093-932-A	MAIN BOARD, COMPLETE (RG475: E3, AUS, SP)		206	A-1094-148-A	POWER BOARD, COMPLETE (RG575: E2, E51, MX, AR)	
202	A-1093-935-A	MAIN BOARD, COMPLETE (GX355)		206	A-1104-989-A	POWER BOARD, COMPLETE (RG475: SP)	
202	A-1093-936-A	MAIN BOARD, COMPLETE (RG270: AEP, UK, EE)		206	A-1104-990-A	POWER BOARD, COMPLETE (RG575: SP)	
202	A-1093-937-A	MAIN BOARD, COMPLETE (RG270: RU)		207	3-905-609-41	SCREW (TRANSISTOR)	
202	A-1093-938-A	MAIN BOARD, COMPLETE (EA)		208	3-254-145-01	SCREW (B3), (+) BV TAPPING	
202	A-1093-939-A	MAIN BOARD, COMPLETE (RG270: E3, AUS)		* 209	3-703-571-12	BUSHING (S) (4516), CORD (E2, E3, MX)	
202	A-1093-940-A	MAIN BOARD, COMPLETE (RG270: E2, E51, AR)		209	3-703-244-00	BUSHING (2104), CORD (EXCEPT E2, E3, MX)	
202	A-1093-941-A	MAIN BOARD, COMPLETE (RG270: MX)		△ 210	1-775-790-71	CORD, POWER (AUS)	
202	A-1093-956-A	MAIN BOARD, COMPLETE (RG575: SP)		△ 210	1-769-774-81	CORD, POWER (UK, EA)	
202	A-1093-957-A	MAIN BOARD, COMPLETE (RG575: E2, E51, AR)		△ 210	1-827-226-31	CORD, POWER (E2, E3, MX)	
202	A-1093-958-A	MAIN BOARD, COMPLETE (RG575: MX)		△ 210	1-830-188-11	CORD, POWER (AEP, EE, RU, E51, SP)	
203	1-775-251-11	WIRE (FLAT TYPE) (27 CORE) (EXCEPT MX)		△ 210	1-830-190-11	CORD, POWER (US, CND)	
203	1-775-285-11	WIRE (FLAT TYPE) (31 CORE) (MX)		211	1-500-868-11	CORE, FERRITE (MX)	
204	1-828-970-11	WIRE (FLAT TYPE) (13 CORE)		212	2-549-972-01	HEAT SINK (H) (US, CND, AEP, UK, EE, RU)	
205	4-988-533-01	HOLDER, PWB		213	A-1094-189-A	SUB WOOFER BOARD, COMPLETE (GX555)	
206	A-1094-132-A	POWER BOARD, COMPLETE (GX555)		213	A-1094-190-A	SUB WOOFER BOARD, COMPLETE (RG475)	
206	A-1094-133-A	POWER BOARD, COMPLETE (RG475: AEP, UK, EE, RU)		213	A-1094-192-A	SUB WOOFER BOARD, COMPLETE (RG575)	
				214	3-254-143-01	SCREW (B3), (+) BV TAPPING	
				#1	7-685-881-09	SCREW +BVTT 4X8 (S)	

7-6. TRANSFORMER SECTION



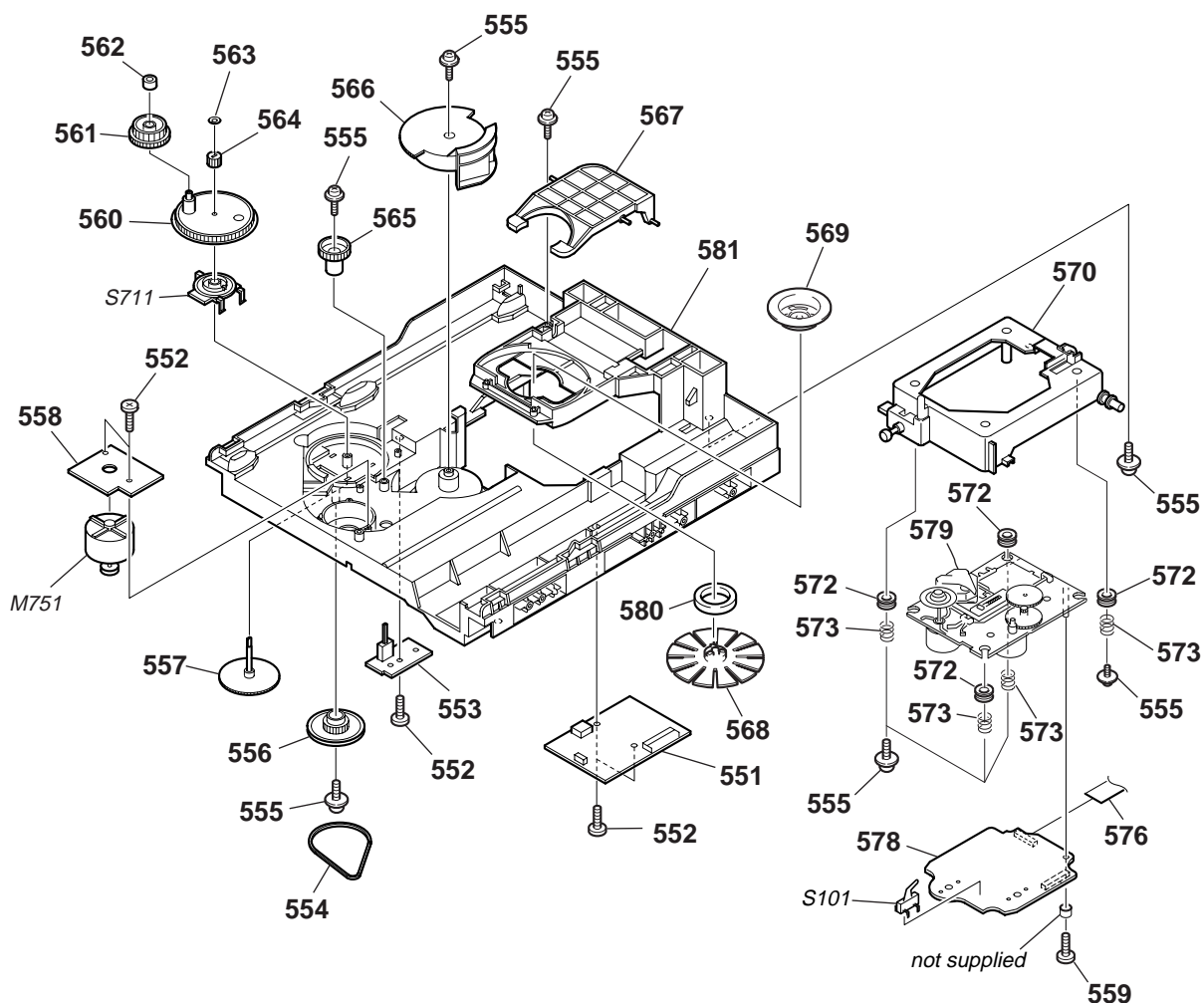
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	3-701-748-00	CLAMP (RG270: MX)		254	A-1102-768-A	AC1 BOARD, COMPLETE (AUS)	
252	4-242-539-01	BVIT 3B+3-8R W/O SLOT		254	A-1102-771-A	AC1 BOARD, COMPLETE (GX355)	
253	A-1094-068-A	TRANSFORMER BOARD, COMPLETE (GX555)		254	A-1102-772-A	AC1 BOARD, COMPLETE	
253	A-1094-069-A	TRANSFORMER BOARD, COMPLETE				(RG270: AEP, UK, EE, RU)	
253	A-1094-070-A	TRANSFORMER BOARD, COMPLETE (AUS)		254	A-1102-773-A	AC1 BOARD, COMPLETE (EA)	
253	A-1094-071-A	TRANSFORMER BOARD, COMPLETE		254	A-1102-774-A	AC1 BOARD, COMPLETE (RG270: AR)	
		(RG270: E2, E3, E51/RG475: E3, SP)		254	A-1102-775-A	AC1 BOARD, COMPLETE (RG270: MX)	
253	A-1094-074-A	TRANSFORMER BOARD, COMPLETE (GX355)		254	A-1102-793-A	AC1 BOARD, COMPLETE (RG575: E2, E51, SP)	
253	A-1094-075-A	TRANSFORMER BOARD, COMPLETE		254	A-1102-794-A	AC1 BOARD, COMPLETE (RG575: MX)	
		(RG270: AEP, UK, EE, RU)		254	A-1102-795-A	AC1 BOARD, COMPLETE (RG575: AR)	
253	A-1094-076-A	TRANSFORMER BOARD, COMPLETE (EA)		255	4-900-386-01	SCREW	
253	A-1094-077-A	TRANSFORMER BOARD, COMPLETE		△F904	1-576-655-12	FUSE, GLASS TUBE (DIA. 5) (T8A/250V)	
		(RG270: MX)		△F905	1-576-655-12	FUSE, GLASS TUBE (DIA. 5) (T8A/250V)	
253	A-1094-078-A	TRANSFORMER BOARD, COMPLETE		△F906	1-533-470-12	FUSE, GLASS TUBE (DIA. 5) (T3.15A/250V)	
		(RG270: AR)		△F907	1-533-470-12	FUSE, GLASS TUBE (DIA. 5) (T3.15A/250V)	
253	A-1094-096-A	TRANSFORMER BOARD, COMPLETE		△PT901	1-443-601-11	TRANSFORMER, POWER (GX355)	
		(RG575: E2, E51, SP)		△PT901	1-443-603-11	TRANSFORMER, POWER (GX555)	
253	A-1094-097-A	TRANSFORMER BOARD, COMPLETE		△PT901	1-443-605-11	TRANSFORMER, POWER	
		(RG575: MX)				(RG270: AEP, UK, EE, RU)	
253	A-1094-098-A	TRANSFORMER BOARD, COMPLETE		△PT901	1-443-606-11	TRANSFORMER, POWER	
		(RG575: AR)				(RG475: AEP, UK, EE, RU)	
254	A-1102-765-A	AC1 BOARD, COMPLETE (GX555)		△PT901	1-443-608-11	TRANSFORMER, POWER	
254	A-1102-766-A	AC1 BOARD, COMPLETE				(E2, E3, E51, AR, AUS, SP)	
		(RG475: AEP, UK, EE, RU)		△PT901	1-443-610-11	TRANSFORMER, POWER (MX)	
254	A-1102-767-A	AC1 BOARD, COMPLETE		△PT901	1-443-613-11	TRANSFORMER, POWER (EA)	
		(RG270: E2, E3, E51/RG475: E3, SP)					

7-7. CD MECHANISM DECK SECTION-1 (CDM74KFS-F1BD81C) (EXCEPT MX model)/ (CDM74KFS-F1BD84) (MX model)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
501	4-218-253-62	SCREW (M2.6), +BTTP		510	4-243-820-01	GEAR (TABLE)	
502	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)		511	4-243-819-01	GEAR (GENEVA)	
503	1-687-134-12	MOTOR (TB) BOARD		512	4-243-816-11	TRAY	
504	4-243-815-01	TABLE (LOADING)		513	4-243-823-01	BELT (TABLE)	
505	4-245-571-02	GEAR (STOPPER)		514	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
506	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING		515	4-243-821-01	PULLEY (TABLE)	
507	4-245-570-01	GEAR (JOINT)		516	3-231-598-01	SHEET (BA)	
508	4-245-572-01	BUSHING (GEAR)		M741	A-4723-963-A	MOTOR ASSY, TABLE	
509	1-687-132-12	SENSOR BOARD					

**7-8. CD MECHANISM DECK SECTION-2
(CDM74KFS-F1BD81C) (EXCEPT MX model)/
(CDM74KFS-F1BD84) (MX model)**



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
551	A-1103-756-A	DRIVER BOARD, COMPLETE		567	4-243-822-02	LEVER (LIFTER)	
552	4-218-253-52	SCREW (M2.6), +BTTP		568	X-2025-123-1	CHUCKING PULLEY (KH) ASSY	
553	1-687-669-12	SW BOARD		569	4-231-189-01	PULLEY (B), CHUCKING	
554	4-244-034-01	BELT (LOADING)		570	X-4955-536-1	HOLDER (213) ASSY	
555	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING		572	4-227-549-11	INSULATOR	
556	4-225-844-01	GEAR (LOADING A)		573	4-227-045-31	SPRING (INSULATOR), COIL	
557	4-224-613-11	GEAR (SHAFT)		576	1-827-992-11	WIRE (FLAT TYPE) (16 CORE)	
558	1-687-133-12	MOTOR (LD) BOARD		578	A-1095-982-A	BD BOARD, COMPLETE (MX)	
559	3-087-053-01	+BVTP2.6 (3CR)		578	A-1091-086-A	CD BOARD, COMPLETE (EXCEPT MX)	
560	4-244-108-01	GEAR, SWING		△579	8-820-244-01	DEVICE, OPTICAL KSM-215DCP/C2NP	
561	4-224-609-01	GEAR (LOADING C)		580	1-471-035-11	MAGNET ASSY	
562	4-224-608-01	COLLAR, SWING		581	4-243-817-22	CHASSIS	
563	3-016-533-11	WASHER (FR), STOPPER		M751	A-4736-655-A	MOTOR ASSY, LOADING	
564	4-224-611-01	GEAR (LOADING B)		S711	1-477-680-12	ENCODER, ROTARY (DISC TRAY ADDRESS DETECT)	
565	4-224-606-01	GEAR (RV)		S101	1-771-853-11	SWITCH, DETECTION (LIMIT)	
566	4-243-818-01	GEAR (U/D)					

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Abbreviation
AR : Argentine model E3 : 240V AC Area in E model MX : Mexican model
AUS : Australian model E51 : Chilean and Peruvian models RU : Russian model
CND : Canadian model EA : Saudi Arabia model SP : Singapore model
E2 : 120V AC Area in E model EE : East European 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.

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-1102-765-A	AC1 BOARD, COMPLETE (GX555)		C17	1-126-246-11	ELECT CHIP 220uF 20%	4V
	A-1102-766-A	AC1 BOARD, COMPLETE (RG475: AEP, UK, EE, RU)		C18	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
	A-1102-767-A	AC1 BOARD, COMPLETE (RG270: E2, E3, E51/RG475: E3, SP)		C111	1-162-967-11	CERAMIC CHIP 0.0033uF 10%	50V
	A-1102-768-A	AC1 BOARD, COMPLETE (AUS)		C112	1-162-962-11	CERAMIC CHIP 470PF 10%	50V
	A-1102-771-A	AC1 BOARD, COMPLETE (GX355)		C113	1-162-967-11	CERAMIC CHIP 0.0033uF 10%	50V
	A-1102-772-A	AC1 BOARD, COMPLETE (RG270: AEP, UK, EE, RU)		C114	1-162-962-11	CERAMIC CHIP 470PF 10%	50V
	A-1102-773-A	AC1 BOARD, COMPLETE (EA)		C115	1-164-360-11	CERAMIC CHIP 0.1uF	16V
	A-1102-774-A	AC1 BOARD, COMPLETE (RG270: AR)		C116	1-128-995-21	ELECT CHIP 100uF 20%	10V
	A-1102-775-A	AC1 BOARD, COMPLETE (RG270: MX)		C122	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
	A-1102-793-A	AC1 BOARD, COMPLETE (RG575: E2, E51, SP)		C123	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
	A-1102-794-A	AC1 BOARD, COMPLETE (RG575: MX)		C124	1-162-959-11	CERAMIC CHIP 330PF 5%	50V
	A-1102-795-A	AC1 BOARD, COMPLETE (RG575: AR)		C125	1-164-360-11	CERAMIC CHIP 0.1uF	16V
		*****		C131	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
		< RESISTOR >		C132	1-117-863-11	CERAMIC CHIP 0.47uF 10%	6.3V
Δ R902	1-202-723-00	SOLID 2.2M 20% 1/2W (US, CND)		C133	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
		*****		C134	1-164-360-11	CERAMIC CHIP 0.1uF	16V
	A-1094-028-A	AUDIO IN BOARD, COMPLETE (GX355/GX555/RG270/RG475)		C141	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
	A-1094-031-A	AUDIO IN BOARD, COMPLETE (RG575)		C142	1-162-965-11	CERAMIC CHIP 0.0015uF 10%	50V
		*****		C143	1-164-360-11	CERAMIC CHIP 0.1uF	16V
		< JACK >		C151	1-128-995-21	ELECT CHIP 100uF 20%	10V
J751	1-793-829-11	JACK, HEADPHONE (AUDIO IN)		C161	1-164-360-11	CERAMIC CHIP 0.1uF	16V
		< RESISTOR >		C162	1-164-360-11	CERAMIC CHIP 0.1uF	16V
R751	1-216-833-11	METAL CHIP 10K 5% 1/10W		C163	1-164-360-11	CERAMIC CHIP 0.1uF	16V
R752	1-216-825-11	METAL CHIP 2.2K 5% 1/10W		C171	1-162-919-11	CERAMIC CHIP 22PF 5%	50V
		*****		C172	1-162-920-11	CERAMIC CHIP 27PF 5%	50V
	A-1095-982-A	BD BOARD, COMPLETE (MX)		C174	1-164-360-11	CERAMIC CHIP 0.1uF	16V
		*****		C181	1-164-360-11	CERAMIC CHIP 0.1uF	16V
		< CAPACITOR >		C182	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C10	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V		C183	1-124-778-00	ELECT CHIP 22uF 20%	6.3V
C11	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V		C184	1-124-778-00	ELECT CHIP 22uF 20%	6.3V
C14	1-164-360-11	CERAMIC CHIP 0.1uF		C185	1-162-962-11	CERAMIC CHIP 470PF 10%	50V
C15	1-164-360-11	CERAMIC CHIP 0.1uF		C186	1-162-962-11	CERAMIC CHIP 470PF 10%	50V
C16	1-115-156-11	CERAMIC CHIP 1uF		C194	1-164-360-11	CERAMIC CHIP 0.1uF	16V
				C195	1-164-360-11	CERAMIC CHIP 0.1uF	16V
				C196	1-164-360-11	CERAMIC CHIP 0.1uF	16V
				C201	1-128-995-21	ELECT CHIP 100uF 20%	10V
				C203	1-128-995-21	ELECT CHIP 100uF 20%	10V
				C209	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C210	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
				C211	1-164-230-11	CERAMIC CHIP 220PF 5%	50V
				C212	1-162-919-11	CERAMIC CHIP 22PF 5%	50V
				C213	1-162-919-11	CERAMIC CHIP 22PF 5%	50V
				C251	1-162-969-11	CERAMIC CHIP 0.0068uF 10%	25V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C252	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R151	1-216-864-11	SHORT CHIP 0
C255	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R161	1-216-809-11	METAL CHIP 100 5% 1/10W
C257	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R162	1-216-841-11	METAL CHIP 47K 5% 1/10W
C258	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R163	1-216-809-11	METAL CHIP 100 5% 1/10W
C259	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R165	1-216-864-11	SHORT CHIP 0
C260	1-128-394-11	ELECT CHIP	220uF	20% 10V	R171	1-216-817-11	METAL CHIP 470 5% 1/10W
C302	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R172	1-216-857-11	METAL CHIP 1M 5% 1/10W
C303	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R173	1-216-295-00	SHORT CHIP 0
C305	1-126-246-11	ELECT CHIP	220uF	20% 4V	R181	1-216-809-11	METAL CHIP 100 5% 1/10W
C306	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R182	1-216-809-11	METAL CHIP 100 5% 1/10W
C307	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R191	1-216-864-11	SHORT CHIP 0
C308	1-126-208-21	ELECT CHIP	47uF	20% 4V	R201	1-500-445-21	FERRITE, EMI (SMD) (2012)
C309	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R203	1-216-864-11	SHORT CHIP 0
C310	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R204	1-216-864-11	SHORT CHIP 0
C311	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R205	1-216-864-11	SHORT CHIP 0
C312	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R251	1-216-833-11	METAL CHIP 10K 5% 1/10W
C313	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R252	1-216-837-11	METAL CHIP 22K 5% 1/10W
C314	1-126-208-21	ELECT CHIP	47uF	20% 4V	R253	1-216-833-11	METAL CHIP 10K 5% 1/10W
C315	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V	R301	1-216-845-11	METAL CHIP 100K 5% 1/10W
C316	1-162-966-11	CERAMIC CHIP	0.0022uF	10% 50V	R302	1-216-833-11	METAL CHIP 10K 5% 1/10W
C317	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	R303	1-216-845-11	METAL CHIP 100K 5% 1/10W
C318	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	R305	1-216-845-11	METAL CHIP 100K 5% 1/10W
C320	1-162-964-11	CERAMIC CHIP	0.001uF	10% 50V	R306	1-216-864-11	SHORT CHIP 0
		< CONNECTOR >			R307	1-216-833-11	METAL CHIP 10K 5% 1/10W
CN101	1-770-425-11	CONNECTOR, FFC/FPC 16P			R313	1-216-813-11	METAL CHIP 220 5% 1/10W
CN201	1-784-879-21	CONNECTOR, FFC (LIF (NON-ZIF)) 31P			R351	1-216-809-11	METAL CHIP 100 5% 1/10W
		< FERRITE BEAD >			R352	1-216-809-11	METAL CHIP 100 5% 1/10W
FB301	1-500-445-21	FERRITE, EMI (SMD) (2012)			R353	1-216-809-11	METAL CHIP 100 5% 1/10W
		< IC >			R354	1-216-809-11	METAL CHIP 100 5% 1/10W
IC101	8-752-425-12	IC CXD3059AR			R401	1-216-809-11	METAL CHIP 100 5% 1/10W
IC251	6-705-808-01	IC BA5947FM-E2			R402	1-216-809-11	METAL CHIP 100 5% 1/10W
IC301	6-705-365-01	IC TC94A34FG-002			R403	1-216-809-11	METAL CHIP 100 5% 1/10W
IC303	6-705-807-01	IC BH15FB1WG			R404	1-216-809-11	METAL CHIP 100 5% 1/10W
		< TRANSISTOR >			R405	1-216-809-11	METAL CHIP 100 5% 1/10W
Q10	6-550-363-01	TRANSISTOR 2SB1690KT146			R406	1-216-809-11	METAL CHIP 100 5% 1/10W
		< RESISTOR/FERRITE BEAD >			R407	1-216-809-11	METAL CHIP 100 5% 1/10W
R10	1-216-791-11	METAL CHIP	3.3	5% 1/10W	R408	1-216-809-11	METAL CHIP 100 5% 1/10W
R11	1-216-864-11	SHORT CHIP	0		R409	1-216-809-11	METAL CHIP 100 5% 1/10W
R12	1-216-845-11	METAL CHIP	100K	5% 1/10W	R410	1-216-809-11	METAL CHIP 100 5% 1/10W
R13	1-218-446-11	METAL CHIP	1	5% 1/10W	R411	1-216-809-11	METAL CHIP 100 5% 1/10W
R111	1-216-821-11	METAL CHIP	1K	5% 1/10W	R412	1-216-809-11	METAL CHIP 100 5% 1/10W
R112	1-216-835-11	METAL CHIP	15K	5% 1/10W	R419	1-216-809-11	METAL CHIP 100 5% 1/10W
R113	1-216-821-11	METAL CHIP	1K	5% 1/10W	R421	1-216-809-11	METAL CHIP 100 5% 1/10W
R114	1-216-835-11	METAL CHIP	15K	5% 1/10W	R422	1-216-809-11	METAL CHIP 100 5% 1/10W
R121	1-216-835-11	METAL CHIP	15K	5% 1/10W	R423	1-216-809-11	METAL CHIP 100 5% 1/10W
R131	1-216-857-11	METAL CHIP	1M	5% 1/10W		< VIBRATOR >	
R132	1-216-833-11	METAL CHIP	10K	5% 1/10W	X171	1-767-408-21	VIBRATOR, CRYSTAL (16.9344MHz)
R133	1-216-848-11	METAL CHIP	180K	5% 1/10W	*****		
R141	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	A-1091-086-A	CD BOARD, COMPLETE (EXCEPT MX)	
R142	1-216-821-11	METAL CHIP	1K	5% 1/10W	*****		
R143	1-216-827-11	METAL CHIP	3.3K	5% 1/10W		< CAPACITOR >	
					C10	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
					C11	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
					C14	1-164-360-11	CERAMIC CHIP 0.1uF 16V
					C15	1-164-360-11	CERAMIC CHIP 0.1uF 16V
					C16	1-115-156-11	CERAMIC CHIP 1uF 10V

HCD-GX355/GX555/RG270/RG475/RG575

Ver. 1.1

CD

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C17	1-126-246-11	ELECT CHIP	220uF 20% 4V	C311	1-164-360-11	CERAMIC CHIP	0.1uF 16V
C18	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C312	1-164-360-11	CERAMIC CHIP	0.1uF 16V
C111	1-162-967-11	CERAMIC CHIP	0.0033uF 10% 50V	C313	1-164-360-11	CERAMIC CHIP	0.1uF 16V
C112	1-164-315-11	CERAMIC CHIP	470PF 5% 50V	C314	1-126-208-21	ELECT CHIP	47uF 20% 4V
C113	1-162-967-11	CERAMIC CHIP	0.0033uF 10% 50V	C315	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C114	1-164-315-11	CERAMIC CHIP	470PF 5% 50V	C316	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C115	1-164-360-11	CERAMIC CHIP	0.1uF 16V	C317	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C116	1-128-995-21	ELECT CHIP	100uF 20% 10V	C318	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C122	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C320	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C123	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C501	1-164-360-11	CERAMIC CHIP	0.1uF 16V
C124	1-162-959-11	CERAMIC CHIP	330PF 5% 50V	< CONNECTOR >			
C125	1-164-360-11	CERAMIC CHIP	0.1uF 16V	CN101	1-770-425-11	CONNECTOR, FFC/FPC 16P	
C131	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	CN201	1-818-350-11	CONNECTOR (FFC) 27P	
C132	1-117-863-11	CERAMIC CHIP	0.47uF 10% 6.3V	< FERRITE BEAD >			
C133	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	FB301	1-500-445-21	FERRITE, EMI (SMD) (2012)	
C134	1-164-360-11	CERAMIC CHIP	0.1uF 16V	< IC >			
C141	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	IC101	8-752-425-12	IC CXD3059AR	
C142	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V	IC251	6-705-808-01	IC BA5947FM-E2	
C143	1-164-360-11	CERAMIC CHIP	0.1uF 16V	IC301	6-705-365-01	IC TC94A34FG-002	
C151	1-128-995-21	ELECT CHIP	100uF 20% 10V	IC303	6-705-807-01	IC BH15FB1WG	
C161	1-164-360-11	CERAMIC CHIP	0.1uF 16V	IC501	8-759-058-62	IC TC7S08FU (TE85R)	
C162	1-164-360-11	CERAMIC CHIP	0.1uF 16V	< TRANSISTOR >			
C163	1-164-360-11	CERAMIC CHIP	0.1uF 16V	Q10	6-551-120-01	TRANSISTOR	2SA2119K
C171	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	< RESISTOR/FERRITE BEAD >			
C172	1-162-920-11	CERAMIC CHIP	27PF 5% 50V	R10	1-216-791-11	METAL CHIP	3.3 5% 1/10W
C174	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R11	1-216-864-11	SHORT CHIP	0
C181	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R12	1-216-845-11	METAL CHIP	100K 5% 1/10W
C182	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R13	1-218-446-11	METAL CHIP	1 5% 1/10W
C183	1-124-778-00	ELECT CHIP	22uF 20% 6.3V	R111	1-216-821-11	METAL CHIP	1K 5% 1/10W
C184	1-124-778-00	ELECT CHIP	22uF 20% 6.3V	R112	1-216-835-11	METAL CHIP	15K 5% 1/10W
C185	1-164-315-11	CERAMIC CHIP	470PF 5% 50V	R113	1-216-821-11	METAL CHIP	1K 5% 1/10W
C186	1-164-315-11	CERAMIC CHIP	470PF 5% 50V	R114	1-216-835-11	METAL CHIP	15K 5% 1/10W
C194	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R121	1-216-835-11	METAL CHIP	15K 5% 1/10W
C195	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R131	1-216-857-11	METAL CHIP	1M 5% 1/10W
C196	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R132	1-216-833-11	METAL CHIP	10K 5% 1/10W
C201	1-128-995-21	ELECT CHIP	100uF 20% 10V	R133	1-216-848-11	METAL CHIP	180K 5% 1/10W
C203	1-128-995-21	ELECT CHIP	100uF 20% 10V	R141	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
C209	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R142	1-216-821-11	METAL CHIP	1K 5% 1/10W
C210	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R143	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
C211	1-164-230-11	CERAMIC CHIP	220PF 5% 50V	R151	1-216-864-11	SHORT CHIP	0
C212	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	R161	1-216-809-11	METAL CHIP	100 5% 1/10W
C213	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	R162	1-216-841-11	METAL CHIP	47K 5% 1/10W
C251	1-162-969-11	CERAMIC CHIP	0.0068uF 10% 25V	R163	1-216-809-11	METAL CHIP	100 5% 1/10W
C252	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R165	1-216-864-11	SHORT CHIP	0
C255	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R171	1-216-817-11	METAL CHIP	470 5% 1/10W
C257	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R172	1-216-857-11	METAL CHIP	1M 5% 1/10W
C258	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R173	1-216-295-00	SHORT CHIP	0
C259	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R181	1-216-809-11	METAL CHIP	100 5% 1/10W
C260	1-128-394-11	ELECT CHIP	220uF 20% 10V	R182	1-216-809-11	METAL CHIP	100 5% 1/10W
C302	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R191	1-216-864-11	SHORT CHIP	0
C303	1-164-360-11	CERAMIC CHIP	0.1uF 16V	R201	1-500-445-21	FERRITE, EMI (SMD) (2012)	
C305	1-126-246-11	ELECT CHIP	220uF 20% 4V	R203	1-216-864-11	SHORT CHIP	0
C306	1-164-360-11	CERAMIC CHIP	0.1uF 16V				
C307	1-164-360-11	CERAMIC CHIP	0.1uF 16V				
C308	1-126-208-21	ELECT CHIP	47uF 20% 4V				
C309	1-164-360-11	CERAMIC CHIP	0.1uF 16V				
C310	1-164-360-11	CERAMIC CHIP	0.1uF 16V				

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R204	1-216-864-11	SHORT CHIP	0	C1024	1-126-206-11	ELECT CHIP 100uF	20% 6.3V
R205	1-216-864-11	SHORT CHIP	0				
R251	1-216-833-11	METAL CHIP	10K	5%	1/10W		
R252	1-216-837-11	METAL CHIP	22K	5%	1/10W		
R253	1-216-833-11	METAL CHIP	10K	5%	1/10W		
R301	1-216-845-11	METAL CHIP	100K	5%	1/10W		
R302	1-216-833-11	METAL CHIP	10K	5%	1/10W		
R303	1-216-845-11	METAL CHIP	100K	5%	1/10W		
R305	1-216-845-11	METAL CHIP	100K	5%	1/10W		
R306	1-216-864-11	SHORT CHIP	0			< CONNECTOR >	
R307	1-216-833-11	METAL CHIP	10K	5%	1/10W		
R313	1-216-813-11	METAL CHIP	220	5%	1/10W		
R351	1-216-809-11	METAL CHIP	100	5%	1/10W		
R352	1-216-809-11	METAL CHIP	100	5%	1/10W		
R353	1-216-809-11	METAL CHIP	100	5%	1/10W		
R354	1-216-809-11	METAL CHIP	100	5%	1/10W		
R401	1-216-809-11	METAL CHIP	100	5%	1/10W		
R402	1-216-809-11	METAL CHIP	100	5%	1/10W		
R403	1-216-809-11	METAL CHIP	100	5%	1/10W		
R404	1-216-809-11	METAL CHIP	100	5%	1/10W		
R405	1-216-809-11	METAL CHIP	100	5%	1/10W		
R406	1-216-809-11	METAL CHIP	100	5%	1/10W		
R407	1-216-809-11	METAL CHIP	100	5%	1/10W		
R408	1-216-809-11	METAL CHIP	100	5%	1/10W		
R409	1-216-809-11	METAL CHIP	100	5%	1/10W		
R410	1-216-809-11	METAL CHIP	100	5%	1/10W		
R411	1-216-809-11	METAL CHIP	100	5%	1/10W		
R412	1-216-809-11	METAL CHIP	100	5%	1/10W		
R419	1-216-809-11	METAL CHIP	100	5%	1/10W		
R501	1-216-809-11	METAL CHIP	100	5%	1/10W		
		< VIBRATOR >					
X171	1-767-408-21	VIBRATOR, CRYSTAL (16.9344MHz)					

A-1094-204-A		CD-G BOARD, COMPLETE (MX)					

		< CAPACITOR/JUMPER RESISTOR >					
C1001	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C1002	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C1003	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C1004	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C1005	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C1006	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C1007	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C1008	1-126-193-11	ELECT CHIP	1uF	20%	50V		
C1010	1-126-206-11	ELECT CHIP	100uF	20%	6.3V		
C1011	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C1012	1-126-205-11	ELECT CHIP	47uF	20%	6.3V		
C1013	1-126-206-11	ELECT CHIP	100uF	20%	6.3V		
C1014	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C1015	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C1016	1-216-864-11	SHORT CHIP	0				
C1018	1-162-919-11	CERAMIC CHIP	22PF	5%	50V		
C1019	1-162-919-11	CERAMIC CHIP	22PF	5%	50V		
C1022	1-162-919-11	CERAMIC CHIP	22PF	5%	50V		
C1023	1-126-193-11	ELECT CHIP	1uF	20%	50V		
		< RESISTOR/CAPACITOR >					
R1003	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		
R1004	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		
R1005	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		
R1006	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		
R1011	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		
R1012	1-216-833-11	METAL CHIP	10K	5%	1/10W		
R1013	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		
R1015	1-216-809-11	METAL CHIP	100	5%	1/10W		
R1016	1-216-833-11	METAL CHIP	10K	5%	1/10W		
R1017	1-216-833-11	METAL CHIP	10K	5%	1/10W		
R1020	1-216-833-11	METAL CHIP	10K	5%	1/10W		
R1021	1-216-813-11	METAL CHIP	220	5%	1/10W		
R1022	1-216-813-11	METAL CHIP	220	5%	1/10W		
R1023	1-216-813-11	METAL CHIP	220	5%	1/10W		
R1029	1-216-821-11	METAL CHIP	1K	5%	1/10W		
R1030	1-216-837-11	METAL CHIP	22K	5%	1/10W		
C1025	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C1026	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V		
C1027	1-162-957-11	CERAMIC CHIP	220PF	5%	50V		
C1028	1-126-206-11	ELECT CHIP	100uF	20%	6.3V		
C1029	1-164-357-11	CERAMIC CHIP	0.001uF	5%	50V		
C1030	1-124-778-00	ELECT CHIP	22uF	20%	6.3V		
C1031	1-126-193-11	ELECT CHIP	1uF	20%	50V		
		< JUMPER RESISTOR >					
CN1001	1-779-416-11	CONNECTOR, FFC (LIF (NON-ZIF)) 13P					
		< IC >					
FB1001	1-216-864-11	SHORT CHIP	0				
IC1001	6-707-420-01	IC TC9411AFG (BS, K)					
IC1002	6-704-474-01	IC MSM514400E-60TS-K					
IC1003	8-759-473-95	IC uPC2905T-E1					
IC1005	8-759-584-98	IC SN74AHCT04NSR					
IC1006	6-706-369-01	IC NJM2561F1-TE2					
		< JUMPER RESISTOR >					
JR1001	1-216-864-11	SHORT CHIP	0				
		< COIL/RESISTOR >					
L1001	1-216-864-11	SHORT CHIP	0				
L1002	1-216-797-11	METAL CHIP	10	5%	1/10W		
		< TRANSISTOR >					
Q1001	8-729-027-59	TRANSISTOR	DTC144EKA-T146				
Q1002	8-729-027-59	TRANSISTOR	DTC144EKA-T146				
Q1005	8-729-027-59	TRANSISTOR	DTC144EKA-T146				
Q1006	8-729-027-23	TRANSISTOR	DTA114EKA-T146				
Q1007	8-729-027-59	TRANSISTOR	DTC144EKA-T146				
Q1008	8-729-804-41	TRANSISTOR	2SB1122-S				
Q1009	8-729-027-23	TRANSISTOR	DTA114EKA-T146				
Q1010	8-729-027-59	TRANSISTOR	DTC144EKA-T146				

HCD-GX355/GX555/RG270/RG475/RG575

Ver. 1.1

CD-G **DRIVER** **HEADPHONE** **MAIN**

Ref. No.	Part No.	Description	Remark
R1031	1-218-285-11	METAL CHIP 75 5%	1/10W
R1032	1-216-833-11	METAL CHIP 10K 5%	1/10W
R1033	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R1034	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R1035	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R1036	1-162-968-11	CERAMIC CHIP 0.0047uF 10%	50V
R1037	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V
R1038	1-162-962-11	CERAMIC CHIP 470PF 10%	50V
R1051	1-216-797-11	METAL CHIP 10 5%	1/10W
< VIBRATOR >			
X1002	1-813-555-11	VIBRATOR, CRYSTAL (14.31818MHz)	

A-1103-756-A	DRIVER BOARD, COMPLETE *****		
< CAPACITOR >			
C715	1-126-933-11	ELECT 100uF 20%	16V
C731	1-126-964-11	ELECT 10uF 20%	50V
C735	1-164-159-21	CERAMIC 0.1uF	50V
C736	1-164-159-21	CERAMIC 0.1uF	50V
C737	1-164-159-21	CERAMIC 0.1uF	50V
C741	1-162-306-11	CERAMIC 0.01uF 20%	16V
C751	1-162-306-11	CERAMIC 0.01uF 20%	16V
C752	1-164-159-21	CERAMIC 0.1uF	50V
< CONNECTOR >			
CN701	1-784-735-11	CONNECTOR, FFC 13P	
CN702	1-784-766-11	CONNECTOR, FFC 5P	
* CN703	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P	
CN704	1-785-328-11	PIN, CONNECTOR (LIGHT ANGRE) 2P	
< DIODE >			
D701	8-719-921-42	DIODE MTZJ-5.1A	
D711	8-719-109-69	DIODE RD3.6ESB2	
< IC >			
IC701	8-759-598-69	IC BA6956AN	
IC712	8-759-598-69	IC BA6956AN	
< TRANSISTOR >			
Q731	8-729-029-66	TRANSISTOR DTC114ESA	
< RESISTOR >			
R701	1-249-413-11	CARBON 470 5%	1/4W
R702	1-247-807-31	CARBON 100 5%	1/4W
R711	1-249-417-11	CARBON 1K 5%	1/4W
R712	1-249-425-11	CARBON 4.7K 5%	1/4W
R713	1-249-433-11	CARBON 22K 5%	1/4W
R721	1-249-425-11	CARBON 4.7K 5%	1/4W
R722	1-249-425-11	CARBON 4.7K 5%	1/4W
R723	1-249-425-11	CARBON 4.7K 5%	1/4W
R731	1-247-807-31	CARBON 100 5%	1/4W
R732	1-249-429-11	CARBON 10K 5%	1/4W
R733	1-249-417-11	CARBON 1K 5%	1/4W
R734	1-249-430-11	CARBON 12K 5%	1/4W
R735	1-247-807-31	CARBON 100 5%	1/4W

Ref. No.	Part No.	Description	Remark
R751	1-249-425-11	CARBON 4.7K 5%	1/4W

A-1094-404-A	HEADPHONE BOARD, COMPLETE (GX355/GX555/RG270/RG475)		
A-1094-407-A	HEADPHONE BOARD, COMPLETE (RG575) *****		
< CAPACITOR >			
C781	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C782	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
< JACK >			
J701	1-793-829-11	JACK, HEADPHONE (PHONES)	

A-1093-929-A	MAIN BOARD, COMPLETE (GX555)		
A-1093-930-A	MAIN BOARD, COMPLETE (RG475: AEP, UK, EE)		
A-1093-931-A	MAIN BOARD, COMPLETE (RG475: RU)		
A-1093-932-A	MAIN BOARD, COMPLETE (RG475: E3, AUS, SP)		
A-1093-935-A	MAIN BOARD, COMPLETE (GX355)		
A-1093-936-A	MAIN BOARD, COMPLETE (RG270: AEP, UK, EE)		
A-1093-937-A	MAIN BOARD, COMPLETE (RG270: RU)		
A-1093-938-A	MAIN BOARD, COMPLETE (EA)		
A-1093-939-A	MAIN BOARD, COMPLETE (RG270: E3, AUS)		
A-1093-940-A	MAIN BOARD, COMPLETE (RG270: E2, E51, AR)		
A-1093-941-A	MAIN BOARD, COMPLETE (RG270: MX)		
A-1093-956-A	MAIN BOARD, COMPLETE (RG575: SP)		
A-1093-957-A	MAIN BOARD, COMPLETE (RG575: E2, E51, AR)		
A-1093-958-A	MAIN BOARD, COMPLETE (RG575: MX) *****		
7-685-872-09	SCREW +BVTT 3X8 (S)		
< CAPACITOR >			
C001	1-136-165-00	FILM 0.1uF 5%	50V
C002	1-136-165-00	FILM 0.1uF 5%	50V
C005	1-126-768-11	ELECT 2200uF 20%	16V
C007	1-126-965-11	ELECT 22uF 20%	50V
C011	1-136-165-00	FILM 0.1uF 5%	50V
C012	1-136-165-00	FILM 0.1uF 5%	50V
C013	1-126-943-11	ELECT 2200uF 20%	25V
C015	1-126-933-11	ELECT 100uF 20%	16V
C016	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C023	1-126-943-11	ELECT 2200uF 20%	25V
C025	1-126-933-11	ELECT 100uF 20%	16V
C026	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C027	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C028	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C031	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V (AEP, UK, EE, RU)
C032	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V (AEP, UK, EE, RU)
C041	1-126-947-11	ELECT 47uF 20%	35V
C042	1-126-963-11	ELECT 4.7uF 20%	50V
C043	1-164-156-11	CERAMIC CHIP 0.1uF	25V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C044	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C151	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (GX555/RG475/RG575)
C045	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C152	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V (GX555/RG475/RG575)
C063	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C153	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V (GX555/RG475/RG575)
C064	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C155	1-126-947-11	ELECT	47uF	20%	35V
C065	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, EE, RU)	C156	1-126-933-11	ELECT	100uF	20%	16V
C066	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, EE, RU)	C158	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C068	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, EE, RU)	C159	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, EE, RU)
C069	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, EE, RU)	C160	1-126-933-11	ELECT	100uF	20%	16V
C070	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, EE, RU)	C161	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C101	1-126-960-11	ELECT	1uF	20%	50V	C162	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C102	1-126-960-11	ELECT	1uF	20%	50V	C163	1-126-965-11	ELECT	22uF	20%	50V
C103	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C171	1-126-956-11	ELECT	0.1uF	20%	50V
C104	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C172	1-126-956-11	ELECT	0.1uF	20%	50V
C105	1-126-960-11	ELECT	1uF	20%	50V	C173	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C106	1-126-960-11	ELECT	1uF	20%	50V	C174	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C109	1-126-960-11	ELECT	1uF	20%	50V	C175	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C110	1-126-960-11	ELECT	1uF	20%	50V	C176	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C111	1-126-965-11	ELECT	22uF	20%	50V	C177	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C113	1-126-960-11	ELECT	1uF	20%	50V (E2, E51, MX, AR)	C178	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C114	1-126-960-11	ELECT	1uF	20%	50V	C179	1-126-964-11	ELECT	10uF	20%	50V
C116	1-126-960-11	ELECT	1uF	20%	50V	C180	1-126-964-11	ELECT	10uF	20%	50V
C117	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C181	1-126-960-11	ELECT	1uF	20%	50V
C118	1-126-961-11	ELECT	2.2uF	20%	50V	C182	1-126-960-11	ELECT	1uF	20%	50V
C119	1-126-961-11	ELECT	2.2uF	20%	50V	C183	1-126-960-11	ELECT	1uF	20%	50V
C120	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	C184	1-126-960-11	ELECT	1uF	20%	50V
C121	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C187	1-164-362-11	CERAMIC CHIP	470PF	5%	50V (AEP, UK, EE, RU)
C122	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C188	1-164-362-11	CERAMIC CHIP	470PF	5%	50V (AEP, UK, EE, RU)
C123	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V	C189	1-164-362-11	CERAMIC CHIP	470PF	5%	50V (AEP, UK, EE, RU)
C124	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V	C190	1-164-362-11	CERAMIC CHIP	470PF	5%	50V (AEP, UK, EE, RU)
C125	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V	C191	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C126	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V	C192	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C127	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C193	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C128	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C194	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C129	1-126-964-11	ELECT	10uF	20%	50V	C197	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C130	1-126-964-11	ELECT	10uF	20%	50V	C198	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C131	1-126-956-11	ELECT	0.1uF	20%	50V	C199	1-126-964-11	ELECT	10uF	20%	50V
C132	1-126-959-11	ELECT	0.47uF	20%	50V	C200	1-126-964-11	ELECT	10uF	20%	50V
C133	1-126-959-11	ELECT	0.47uF	20%	50V	C201	1-126-961-11	ELECT	2.2uF	20%	50V
C136	1-126-964-11	ELECT	10uF	20%	50V	C202	1-126-961-11	ELECT	2.2uF	20%	50V
C137	1-126-964-11	ELECT	10uF	20%	50V	C205	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C139	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C206	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C207	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C141	1-162-949-11	CERAMIC CHIP	47PF	5%	50V	C208	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C142	1-162-949-11	CERAMIC CHIP	47PF	5%	50V	C209	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C143	1-136-165-00	FILM	0.1uF	5%	50V	C210	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C144	1-136-165-00	FILM	0.1uF	5%	50V	C211	1-131-679-31	FILM	0.01uF	5%	50V
C145	1-136-165-00	FILM	0.1uF	5%	50V	C212	1-130-479-00	MYLAR	0.0047uF	5%	50V
C146	1-136-165-00	FILM	0.1uF	5%	50V	C213	1-131-679-31	FILM	0.01uF	5%	50V
C147	1-164-362-11	CERAMIC CHIP	470PF	5%	50V	C214	1-130-479-00	MYLAR	0.0047uF	5%	50V
C148	1-164-362-11	CERAMIC CHIP	470PF	5%	50V	C220	1-162-945-11	CERAMIC CHIP	22PF	5%	50V (AEP, UK, EE, RU)
C149	1-126-947-11	ELECT	47uF	20%	35V						

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Ref. No.	Part No.	Description	Remark
C222	1-126-947-11	ELECT 47uF 20%	35V
C223	1-131-679-31	FILM 0.01uF 5%	50V
C224	1-130-479-00	MYLAR 0.0047uF 5%	50V
C225	1-130-479-00	MYLAR 0.0047uF 5%	50V
C229	1-126-963-11	ELECT 4.7uF 20%	50V
C253	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
C254	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
C255	1-162-945-11	CERAMIC CHIP 22PF 5%	50V
C256	1-162-945-11	CERAMIC CHIP 22PF 5%	50V
C257	1-126-947-11	ELECT 47uF 20%	35V
C258	1-126-947-11	ELECT 47uF 20%	35V
C259	1-126-964-11	ELECT 10uF 20%	50V
C260	1-126-964-11	ELECT 10uF 20%	50V
C263	1-126-947-11	ELECT 47uF 20%	35V
C264	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C265	1-126-963-11	ELECT 4.7uF 20%	50V
C266	1-126-963-11	ELECT 4.7uF 20%	50V
C271	1-115-467-11	CERAMIC CHIP 0.22uF 10%	10V (GX555/RG475/RG575)
C272	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V (GX555/RG475/RG575)
C273	1-115-467-11	CERAMIC CHIP 0.22uF 10%	10V (GX555/RG475/RG575)
C274	1-126-964-11	ELECT 10uF 20%	50V (GX555/RG475/RG575)
C275	1-164-362-11	CERAMIC CHIP 470PF 5%	50V (GX555/RG475/RG575)
C301	1-126-964-11	ELECT 10uF 20%	50V
C302	1-126-964-11	ELECT 10uF 20%	50V
C305	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V (GX355/GX555)
C311	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C317	1-126-926-11	ELECT 1000uF 20%	10V
C384	1-162-953-11	CERAMIC CHIP 100PF 5%	50V (AEP, UK, EE, RU)
C391	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C901	1-126-933-11	ELECT 100uF 20%	16V
C902	1-126-964-11	ELECT 10uF 20%	50V
C904	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C906	1-126-964-11	ELECT 10uF 20%	50V
C908	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C909	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C910	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C911	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C912	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
C914	1-162-919-11	CERAMIC CHIP 22PF 5%	50V
C916	1-126-916-11	ELECT 1000uF 20%	6.3V
C917	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C918	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C919	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C921	1-126-961-11	ELECT 2.2uF 20%	50V
C922	1-126-963-11	ELECT 4.7uF 20%	50V
C923	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C924	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C925	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C927	1-162-919-11	CERAMIC CHIP 22PF 5%	50V
C928	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C970	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V

Ref. No.	Part No.	Description	Remark
< CONNECTOR >			
CN031	1-778-982-21	CONNECTOR, BOARD TO BOARD 13P	
CN041	1-564-506-11	PLUG, CONNECTOR 3P	
CN061	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P	
CN065	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P	
* CN066	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P	(E2, E51, MX, AR)
* CN201	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	
* CN203	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P	
CN301	1-779-295-11	CONNECTOR, FFC (LIF (NON-ZIF)) 27P	(EXCEPT MX)
CN301	1-779-299-11	CONNECTOR, FFC (LIF (NON-ZIF)) 31P (MX)	
CN331	1-784-774-11	CONNECTOR, FFC 13P (MX)	
CN341	1-784-774-11	CONNECTOR, FFC 13P	
CN381	1-568-830-11	CONNECTOR, FFC 11P (EXCEPT AEP, UK, EE)	
CN381	1-784-776-11	CONNECTOR, FFC 15P (AEP, UK, EE)	
CN391	1-784-774-11	CONNECTOR, FFC 13P	
CN991	1-784-780-11	CONNECTOR, FFC 19P	
< DIODE >			
D001	6-500-522-21	DIODE 10EDB40-TB3	
D002	6-500-522-21	DIODE 10EDB40-TB3	
D003	6-500-522-21	DIODE 10EDB40-TB3	
D004	6-500-522-21	DIODE 10EDB40-TB3	
D006	8-719-988-61	DIODE 1SS355TE-17	
D007	6-500-522-21	DIODE 10EDB40-TB3	
D008	6-500-522-21	DIODE 10EDB40-TB3	
D011	6-500-522-21	DIODE 10EDB40-TB3	
D012	6-500-522-21	DIODE 10EDB40-TB3	
D013	6-500-522-21	DIODE 10EDB40-TB3	
D014	6-500-522-21	DIODE 10EDB40-TB3	
D021	6-500-522-21	DIODE 10EDB40-TB3	
D022	6-500-522-21	DIODE 10EDB40-TB3	
D023	6-500-522-21	DIODE 10EDB40-TB3	
D024	6-500-522-21	DIODE 10EDB40-TB3	
D031	8-719-988-61	DIODE 1SS355TE-17	
D035	8-719-000-08	DIODE MC2838	
D041	8-719-083-63	DIODE UDZSTE-1713B	
D121	6-500-848-01	DIODE MC2836	
D122	6-500-848-01	DIODE MC2840-T112-1	
D301	6-500-522-21	DIODE 10EDB40-TB3	
D302	6-500-522-21	DIODE 10EDB40-TB3	
D303	8-719-083-60	DIODE UDZSTE-174.7B	
D341	8-719-000-07	DIODE MC2836	
D901	8-719-083-60	DIODE UDZSTE-174.7B	
D902	8-719-000-07	DIODE MC2836	
D903	8-719-988-61	DIODE 1SS355TE-17	
D905	8-719-988-61	DIODE 1SS355TE-17	
D910	8-719-988-61	DIODE 1SS355TE-17	
D921	6-500-848-01	DIODE MC2840-T112-1	
D923	6-500-848-01	DIODE MC2840-T112-1	
D943	8-719-000-08	DIODE MC2838	
D947	8-719-988-61	DIODE 1SS355TE-17	
< EARTH TERMINAL >			
EP031	1-537-770-21	TERMINAL BOARD, GROUND	
EP061	1-537-770-21	TERMINAL BOARD, GROUND	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< IC >		Q344	8-729-037-13	TRANSISTOR	KTA1271Y
IC006	6-702-771-01	IC TA78033LS		Q345	6-551-276-01	TRANSISTOR	RT1N431C-TP-1
IC011	8-759-701-59	IC NJM78M09FA		Q346	8-729-037-13	TRANSISTOR	KTA1271Y
IC021	8-759-701-59	IC NJM78M09FA		Q901	8-729-120-28	TRANSISTOR	2SC1623-L5L6
IC101	6-705-852-01	IC BD3401KS2		Q902	8-729-120-28	TRANSISTOR	2SC1623-L5L6
IC251	8-759-909-71	IC BA4558F		Q903	8-729-037-13	TRANSISTOR	KTA1271Y
IC901	6-805-528-01	IC M30302MCP-A02FPU0		Q904	8-729-120-28	TRANSISTOR	2SC1623-L5L6
IC902	8-759-713-61	IC PST3429UL		Q933	6-551-276-01	TRANSISTOR	RT1N431C-TP-1
		< JUMPER RESISTOR >				< RESISTOR >	
JR001	1-216-864-11	SHORT CHIP	0	R001	1-216-801-11	METAL CHIP	22 5% 1/10W
JR005	1-216-864-11	SHORT CHIP	0	R002	1-216-864-11	SHORT CHIP	0
JR006	1-216-864-11	SHORT CHIP	0	R005	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
JR009	1-216-864-11	SHORT CHIP	0	R006	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
JR010	1-216-864-11	SHORT CHIP	0	R007	1-216-833-11	METAL CHIP	10K 5% 1/10W
JR171	1-216-864-11	SHORT CHIP	0	R032	1-216-821-11	METAL CHIP	1K 5% 1/10W
JR172	1-216-864-11	SHORT CHIP	0	R033	1-216-837-11	METAL CHIP	22K 5% 1/10W
JR174	1-216-864-11	SHORT CHIP	0	R034	1-216-837-11	METAL CHIP	22K 5% 1/10W
		< RESISTOR >		R035	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
JW033	1-249-401-11	CARBON	47 5%	R036	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
			1/4W (MX)	R037	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
		< COIL >		R042	1-216-833-11	METAL CHIP	10K 5% 1/10W
L201	1-424-849-11	COIL, OSCILLATION (BIAS)		R043	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
		< TRANSISTOR >		R044	1-216-864-11	SHORT CHIP	0
Q002	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R045	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q041	6-551-276-01	TRANSISTOR	RT1N431C-TP-1	R046	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q042	8-729-037-13	TRANSISTOR	KTA1271Y	R047	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
Q043	8-729-142-46	TRANSISTOR	2SC2001-LK	R048	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q044	8-729-142-46	TRANSISTOR	2SC2001-LK	R049	1-216-789-11	METAL CHIP	2.2 5% 1/10W
Q045	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R050	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q111	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R052	1-216-853-11	METAL CHIP	470K 5% 1/10W
Q112	8-729-120-28	TRANSISTOR	2SC1623-L5L6	△R059	1-215-869-11	METAL OXIDE	1K 5% 1W F (RG270: AEP, UK, EE, RU)
Q141	8-729-120-28	TRANSISTOR	2SC1623-L5L6	△R059	1-215-892-11	METAL OXIDE	1K 5% 2W F (GX355/GX555/RG270: E2, E3, E51, EA, MX, AR, AUS/RG475/RG575)
Q142	8-729-120-28	TRANSISTOR	2SC1623-L5L6	△R060	1-215-869-11	METAL OXIDE	1K 5% 1W F (RG270: AEP, UK, EE, RU)
Q201	8-729-142-46	TRANSISTOR	2SC2001-LK	△R060	1-215-892-11	METAL OXIDE	1K 5% 2W F (GX355/GX555/RG270: E2, E3, E51, EA, MX, AR, AUS/RG475/RG575)
Q203	8-729-600-22	TRANSISTOR	2SA1235-F	R063	1-216-809-11	METAL CHIP	100 5% 1/10W
Q205	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R064	1-216-809-11	METAL CHIP	100 5% 1/10W
Q206	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R068	1-216-797-11	METAL CHIP	10 5% 1/10W (E2, E51, MX, AR)
Q207	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R069	1-216-837-11	METAL CHIP	22K 5% 1/10W (E2, E51, MX, AR)
Q208	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R070	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q209	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R103	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q210	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R104	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q231	6-551-276-01	TRANSISTOR	RT1N431C-TP-1	R106	1-216-821-11	METAL CHIP	1K 5% 1/10W (E2, E51, MX, AR)
Q232	8-729-037-13	TRANSISTOR	KTA1271Y	R107	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q251	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R108	1-216-837-11	METAL CHIP	22K 5% 1/10W
Q252	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R109	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
Q261	8-729-027-23	TRANSISTOR	DTA114EKA-T146	R110	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q271	8-729-120-28	TRANSISTOR	2SC1623-L5L6 (GX555/RG475/RG575)	R111	1-216-845-11	METAL CHIP	100K 5% 1/10W
Q274	6-551-276-01	TRANSISTOR	RT1N431C-TP-1 (GX555/RG475/RG575)	R112	1-216-817-11	METAL CHIP	470 5% 1/10W
Q341	6-551-276-01	TRANSISTOR	RT1N431C-TP-1				
Q342	8-729-040-76	TRANSISTOR	KTA1273-Y-AT				
Q343	6-551-276-01	TRANSISTOR	RT1N431C-TP-1				

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R113	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R175	1-216-821-11	METAL CHIP	1K 5% 1/10W
R114	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R176	1-216-821-11	METAL CHIP	1K 5% 1/10W
R116	1-216-809-11	METAL CHIP	100 5% 1/10W	R177	1-216-821-11	METAL CHIP	1K 5% 1/10W
R117	1-216-833-11	METAL CHIP	10K 5% 1/10W	R178	1-216-821-11	METAL CHIP	1K 5% 1/10W
R119	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R179	1-216-853-11	METAL CHIP	470K 5% 1/10W
R120	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R180	1-216-853-11	METAL CHIP	470K 5% 1/10W
R121	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R181	1-216-845-11	METAL CHIP	100K 5% 1/10W
R122	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R182	1-216-845-11	METAL CHIP	100K 5% 1/10W
R128	1-216-833-11	METAL CHIP	10K 5% 1/10W	R183	1-216-849-11	METAL CHIP	220K 5% 1/10W
R129	1-216-845-11	METAL CHIP	100K 5% 1/10W	R184	1-216-849-11	METAL CHIP	220K 5% 1/10W
R130	1-216-864-11	SHORT CHIP	0	R185	1-216-841-11	METAL CHIP	47K 5% 1/10W
R131	1-216-849-11	METAL CHIP	220K 5% 1/10W	R186	1-216-841-11	METAL CHIP	47K 5% 1/10W
R132	1-216-849-11	METAL CHIP	220K 5% 1/10W	R187	1-216-845-11	METAL CHIP	100K 5% 1/10W
R133	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R188	1-216-845-11	METAL CHIP	100K 5% 1/10W
R134	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R189	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R135	1-216-821-11	METAL CHIP	1K 5% 1/10W	R190	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R136	1-216-821-11	METAL CHIP	1K 5% 1/10W	R191	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R137	1-216-841-11	METAL CHIP	47K 5% 1/10W	R192	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R138	1-216-841-11	METAL CHIP	47K 5% 1/10W	R203	1-216-841-11	METAL CHIP	47K 5% 1/10W
R139	1-216-837-11	METAL CHIP	22K 5% 1/10W	R204	1-216-841-11	METAL CHIP	47K 5% 1/10W
R140	1-216-837-11	METAL CHIP	22K 5% 1/10W	R205	1-216-833-11	METAL CHIP	10K 5% 1/10W
R141	1-216-849-11	METAL CHIP	220K 5% 1/10W	R206	1-216-833-11	METAL CHIP	10K 5% 1/10W
R142	1-216-849-11	METAL CHIP	220K 5% 1/10W	R207	1-216-837-11	METAL CHIP	22K 5% 1/10W
R143	1-216-841-11	METAL CHIP	47K 5% 1/10W	R208	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R144	1-216-841-11	METAL CHIP	47K 5% 1/10W	R212	1-216-797-11	METAL CHIP	10 5% 1/10W
R145	1-216-841-11	METAL CHIP	47K 5% 1/10W	R232	1-216-833-11	METAL CHIP	10K 5% 1/10W
R146	1-216-857-11	METAL CHIP	1M 5% 1/10W	R233	1-216-833-11	METAL CHIP	10K 5% 1/10W
R147	1-216-845-11	METAL CHIP	100K 5% 1/10W	R234	1-216-833-11	METAL CHIP	10K 5% 1/10W
R148	1-216-845-11	METAL CHIP	100K 5% 1/10W	R235	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R149	1-216-841-11	METAL CHIP	47K 5% 1/10W	R236	1-216-833-11	METAL CHIP	10K 5% 1/10W
R150	1-216-841-11	METAL CHIP	47K 5% 1/10W	R237	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R151	1-216-833-11	METAL CHIP	10K 5% 1/10W	R238	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R152	1-216-833-11	METAL CHIP	10K 5% 1/10W (GX555/RG475/RG575)	R239	1-216-821-11	METAL CHIP	1K 5% 1/10W
R153	1-216-837-11	METAL CHIP	22K 5% 1/10W (GX555/RG475/RG575)	R240	1-216-821-11	METAL CHIP	1K 5% 1/10W
R154	1-216-833-11	METAL CHIP	10K 5% 1/10W (GX555/RG475/RG575)	R244	1-216-837-11	METAL CHIP	22K 5% 1/10W
R156	1-216-809-11	METAL CHIP	100 5% 1/10W	R245	1-216-833-11	METAL CHIP	10K 5% 1/10W
R157	1-216-809-11	METAL CHIP	100 5% 1/10W	R247	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R158	1-216-809-11	METAL CHIP	100 5% 1/10W	R248	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R159	1-216-857-11	METAL CHIP	1M 5% 1/10W	R250	1-216-833-11	METAL CHIP	10K 5% 1/10W
R160	1-216-797-11	METAL CHIP	10 5% 1/10W	R251	1-216-817-11	METAL CHIP	470 5% 1/10W
R161	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R251	1-216-821-11	METAL CHIP	1K 5% 1/10W (RG270: AEP, UK, EE, RU/ RG475: AEP, UK, EE, RU/RG575)
R162	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R252	1-216-817-11	METAL CHIP	470 5% 1/10W (GX355/GX555/RG270: E2, E3, E51, EA, MX, AR, AUS/RG475: E3, AUS, SP)
R163	1-216-833-11	METAL CHIP	10K 5% 1/10W	R252	1-216-821-11	METAL CHIP	1K 5% 1/10W (RG270: AEP, UK, EE, RU/ RG475: AEP, UK, EE, RU/RG575)
R164	1-216-833-11	METAL CHIP	10K 5% 1/10W	R252	1-216-821-11	METAL CHIP	1K 5% 1/10W (GX355/GX555/RG270: E2, E3, E51, EA, MX, AR, AUS/RG475: E3, AUS, SP)
R165	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R253	1-216-833-11	METAL CHIP	10K 5% 1/10W
R166	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R254	1-216-833-11	METAL CHIP	10K 5% 1/10W (GX355/GX555/RG270: E2, E3, E51, EA, MX, AR, AUS/RG475/RG575)
R167	1-216-849-11	METAL CHIP	220K 5% 1/10W	R254	1-216-837-11	METAL CHIP	22K 5% 1/10W (RG270: AEP, UK, EE, RU)
R168	1-216-849-11	METAL CHIP	220K 5% 1/10W	R257	1-216-833-11	METAL CHIP	10K 5% 1/10W (GX355/GX555/RG270: E2, E3, E51, EA, MX, AR, AUS/RG475/RG575)
R169	1-216-845-11	METAL CHIP	100K 5% 1/10W				
R170	1-216-845-11	METAL CHIP	100K 5% 1/10W				
R171	1-216-817-11	METAL CHIP	470 5% 1/10W				
R172	1-216-817-11	METAL CHIP	470 5% 1/10W				
R173	1-216-825-11	METAL CHIP	2.2K 5% 1/10W				
R174	1-216-825-11	METAL CHIP	2.2K 5% 1/10W				

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R257	1-216-837-11	METAL CHIP	22K 5% 1/10W (RG270: AEP, UK, EE, RU)	R341	1-216-833-11	METAL CHIP	10K 5% 1/10W
R258	1-216-841-11	METAL CHIP	47K 5% 1/10W (GX355/GX555/RG270: AEP, UK, EE, RU/RG575)	R342	1-216-821-11	METAL CHIP	1K 5% 1/10W
R259	1-216-841-11	METAL CHIP	47K 5% 1/10W (GX355/GX555/RG270: AEP, UK, EE, RU/RG575)	R343	1-216-833-11	METAL CHIP	10K 5% 1/10W
R261	1-216-833-11	METAL CHIP	10K 5% 1/10W	R344	1-216-821-11	METAL CHIP	1K 5% 1/10W
R262	1-216-833-11	METAL CHIP	10K 5% 1/10W	R345	1-216-833-11	METAL CHIP	10K 5% 1/10W
R263	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R346	1-216-821-11	METAL CHIP	1K 5% 1/10W
R264	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R347	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R265	1-216-809-11	METAL CHIP	100 5% 1/10W	R348	1-216-841-11	METAL CHIP	47K 5% 1/10W
R267	1-216-841-11	METAL CHIP	47K 5% 1/10W	R349	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R268	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R350	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R274	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (GX555/RG475/RG575)	R351	1-216-841-11	METAL CHIP	47K 5% 1/10W
R275	1-216-841-11	METAL CHIP	47K 5% 1/10W (GX555/RG475/RG575)	R352	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R276	1-216-845-11	METAL CHIP	100K 5% 1/10W (GX555/RG475/RG575)	R353	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R277	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (GX555/RG475/RG575)	R354	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R278	1-216-833-11	METAL CHIP	10K 5% 1/10W (GX555/RG475/RG575)	R355	1-216-837-11	METAL CHIP	22K 5% 1/10W
R279	1-216-825-11	METAL CHIP	2.2K 5% 1/10W (GX555/RG475/RG575)	R356	1-216-837-11	METAL CHIP	22K 5% 1/10W
R280	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (GX555/RG475/RG575)	R357	1-216-821-11	METAL CHIP	1K 5% 1/10W
R283	1-216-833-11	METAL CHIP	10K 5% 1/10W (GX555/RG475/RG575)	R358	1-216-821-11	METAL CHIP	1K 5% 1/10W
R301	1-216-821-11	METAL CHIP	1K 5% 1/10W	R359	1-216-833-11	METAL CHIP	10K 5% 1/10W
R302	1-216-821-11	METAL CHIP	1K 5% 1/10W	R360	1-216-833-11	METAL CHIP	10K 5% 1/10W
R303	1-216-833-11	METAL CHIP	10K 5% 1/10W	R361	1-216-837-11	METAL CHIP	22K 5% 1/10W
R304	1-216-833-11	METAL CHIP	10K 5% 1/10W	R362	1-216-837-11	METAL CHIP	22K 5% 1/10W
R314	1-216-809-11	METAL CHIP	100 5% 1/10W	R363	1-216-821-11	METAL CHIP	1K 5% 1/10W
R315	1-216-809-11	METAL CHIP	100 5% 1/10W	R364	1-216-821-11	METAL CHIP	1K 5% 1/10W
R316	1-216-809-11	METAL CHIP	100 5% 1/10W	R365	1-216-833-11	METAL CHIP	10K 5% 1/10W
R317	1-216-817-11	METAL CHIP	470 5% 1/10W	R366	1-216-833-11	METAL CHIP	10K 5% 1/10W
R318	1-216-809-11	METAL CHIP	100 5% 1/10W	R367	1-216-837-11	METAL CHIP	22K 5% 1/10W
R319	1-216-809-11	METAL CHIP	100 5% 1/10W	R368	1-216-837-11	METAL CHIP	22K 5% 1/10W
R320	1-216-809-11	METAL CHIP	100 5% 1/10W	R369	1-216-837-11	METAL CHIP	22K 5% 1/10W
R321	1-216-809-11	METAL CHIP	100 5% 1/10W	R370	1-216-837-11	METAL CHIP	22K 5% 1/10W
R322	1-216-817-11	METAL CHIP	470 5% 1/10W	R381	1-216-809-11	METAL CHIP	100 5% 1/10W
R323	1-216-809-11	METAL CHIP	100 5% 1/10W	R382	1-216-809-11	METAL CHIP	100 5% 1/10W
R330	1-216-821-11	METAL CHIP	1K 5% 1/10W (MX)	R383	1-216-809-11	METAL CHIP	100 5% 1/10W
R331	1-216-809-11	METAL CHIP	100 5% 1/10W (MX)	R384	1-216-809-11	METAL CHIP	100 5% 1/10W
R332	1-216-809-11	METAL CHIP	100 5% 1/10W (MX)	R901	1-216-845-11	METAL CHIP	100K 5% 1/10W
R333	1-216-809-11	METAL CHIP	100 5% 1/10W (MX)	R902	1-216-864-11	SHORT CHIP	0
R334	1-216-809-11	METAL CHIP	100 5% 1/10W (MX)	R903	1-216-833-11	METAL CHIP	10K 5% 1/10W
R337	1-216-809-11	METAL CHIP	100 5% 1/10W (MX)	R904	1-216-821-11	METAL CHIP	1K 5% 1/10W
R338	1-216-809-11	METAL CHIP	100 5% 1/10W (MX)	R905	1-216-833-11	METAL CHIP	10K 5% 1/10W
R339	1-216-821-11	METAL CHIP	1K 5% 1/10W (MX)	R907	1-216-841-11	METAL CHIP	47K 5% 1/10W
R340	1-216-821-11	METAL CHIP	1K 5% 1/10W (MX)	R908	1-216-841-11	METAL CHIP	47K 5% 1/10W
				R909	1-216-837-11	METAL CHIP	22K 5% 1/10W
				R910	1-216-833-11	METAL CHIP	10K 5% 1/10W
				R911	1-216-809-11	METAL CHIP	100 5% 1/10W (AEP, UK, EE)
				R912	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R913	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R914	1-216-809-11	METAL CHIP	100 5% 1/10W (AEP, UK, EE)
				R915	1-216-809-11	METAL CHIP	100 5% 1/10W
				R918	1-216-849-11	METAL CHIP	220K 5% 1/10W
				R919	1-216-864-11	SHORT CHIP	0
				R920	1-216-809-11	METAL CHIP	100 5% 1/10W
				R921	1-216-857-11	METAL CHIP	1M 5% 1/10W
				R922	1-216-849-11	METAL CHIP	220K 5% 1/10W
				R923	1-216-809-11	METAL CHIP	100 5% 1/10W
				R924	1-216-809-11	METAL CHIP	100 5% 1/10W
				R925	1-216-809-11	METAL CHIP	100 5% 1/10W

HCD-GX355/GX555/RG270/RG475/RG575

Ver. 1.1

MAIN **MIC**

Ref. No.	Part No.	Description	Remark
R926	1-216-809-11	METAL CHIP	100 5% 1/10W
R927	1-216-809-11	METAL CHIP	100 5% 1/10W
R928	1-216-809-11	METAL CHIP	100 5% 1/10W
R929	1-216-809-11	METAL CHIP	100 5% 1/10W
R931	1-216-833-11	METAL CHIP	10K 5% 1/10W
R932	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R935	1-216-833-11	METAL CHIP	10K 5% 1/10W
R936	1-216-837-11	METAL CHIP	22K 5% 1/10W
R937	1-216-845-11	METAL CHIP	100K 5% 1/10W
R938	1-216-833-11	METAL CHIP	10K 5% 1/10W
R939	1-216-809-11	METAL CHIP	100 5% 1/10W
R940	1-216-833-11	METAL CHIP	10K 5% 1/10W
R941	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R942	1-216-833-11	METAL CHIP	10K 5% 1/10W
R943	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R944	1-216-849-11	METAL CHIP	220K 5% 1/10W
R945	1-216-813-11	METAL CHIP	220 5% 1/10W
R946	1-216-864-11	SHORT CHIP	0
R947	1-216-849-11	METAL CHIP	220K 5% 1/10W
R948	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R949	1-216-833-11	METAL CHIP	10K 5% 1/10W
R950	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R951	1-216-813-11	METAL CHIP	220 5% 1/10W
R952	1-216-809-11	METAL CHIP	100 5% 1/10W
R953	1-216-833-11	METAL CHIP	10K 5% 1/10W
R954	1-216-809-11	METAL CHIP	100 5% 1/10W
R955	1-216-809-11	METAL CHIP	100 5% 1/10W
R956	1-216-809-11	METAL CHIP	100 5% 1/10W
R957	1-216-809-11	METAL CHIP	100 5% 1/10W
R958	1-216-833-11	METAL CHIP	10K 5% 1/10W
R959	1-216-809-11	METAL CHIP	100 5% 1/10W
R961	1-216-809-11	METAL CHIP	100 5% 1/10W
R963	1-216-809-11	METAL CHIP	100 5% 1/10W
R965	1-216-809-11	METAL CHIP	100 5% 1/10W
R967	1-216-809-11	METAL CHIP	100 5% 1/10W
R968	1-216-809-11	METAL CHIP	100 5% 1/10W
R969	1-216-809-11	METAL CHIP	100 5% 1/10W (MX)
R970	1-216-821-11	METAL CHIP	1K 5% 1/10W
R971	1-216-833-11	METAL CHIP	10K 5% 1/10W (US, CND, RU, E3, EA, MX, AUS, SP)
R972	1-216-833-11	METAL CHIP	10K 5% 1/10W (E3, EA, MX, AUS, SP)
R973	1-216-833-11	METAL CHIP	10K 5% 1/10W (US, CND, E2, E3, E51, AR, AUS, SP)
R974	1-216-833-11	METAL CHIP	10K 5% 1/10W (E3, EA, AUS, SP)
R975	1-216-833-11	METAL CHIP	10K 5% 1/10W
R976	1-216-833-11	METAL CHIP	10K 5% 1/10W (GX355/RG270/RG575)
R977	1-216-833-11	METAL CHIP	10K 5% 1/10W (GX555/RG475/RG575)
R979	1-216-809-11	METAL CHIP	100 5% 1/10W
R980	1-216-809-11	METAL CHIP	100 5% 1/10W
R981	1-216-809-11	METAL CHIP	100 5% 1/10W
R982	1-216-809-11	METAL CHIP	100 5% 1/10W
R992	1-216-821-11	METAL CHIP	1K 5% 1/10W
R993	1-216-821-11	METAL CHIP	1K 5% 1/10W

Ref. No.	Part No.	Description	Remark
R996	1-216-809-11	METAL CHIP	100 5% 1/10W
R997	1-216-809-11	METAL CHIP	100 5% 1/10W
R998	1-216-809-11	METAL CHIP	100 5% 1/10W
R999	1-216-809-11	METAL CHIP	100 5% 1/10W
R1971	1-216-833-11	METAL CHIP	10K 5% 1/10W (AEP, UK, EE, E2, E51, AR)
R1972	1-216-833-11	METAL CHIP	10K 5% 1/10W (US, CND, AEP, UK, EE, RU, E2, E51, AR)
R1973	1-216-833-11	METAL CHIP	10K 5% 1/10W (AEP, UK, EE, RU, EA, MX)
R1974	1-216-833-11	METAL CHIP	10K 5% 1/10W (EXCEPT E3, EA, AUS, SP)
R1976	1-216-833-11	METAL CHIP	10K 5% 1/10W (GX555/RG475)
R1977	1-216-833-11	METAL CHIP	10K 5% 1/10W (GX355/RG270)
< VIBRATOR >			
X901	1-760-252-12	VIBRATOR, CRYSTAL (32.768kHz)	
X902	1-795-482-11	VIBRATOR, CERAMIC (16MHz)	

A-1094-194-A	MIC BOARD, COMPLETE (RG270: E2, E51, AR)		
A-1094-196-A	MIC BOARD, COMPLETE (RG270: MX)		
A-1094-199-A	MIC BOARD, COMPLETE (RG575: E2, E51, AR)		
A-1094-200-A	MIC BOARD, COMPLETE (RG575: MX)		

< CAPACITOR >			
C801	1-126-157-11	ELECT	10uF 20% 16V (E2, E51, MX, AR)
C802	1-115-416-11	CERAMIC CHIP	0.001uF 5% 25V (E2, E51, MX, AR)
C803	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V (E2, E51, MX, AR)
C805	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V (E2, E51, MX, AR)
C807	1-115-416-11	CERAMIC CHIP	0.001uF 5% 25V (E2, E51, MX, AR)
C808	1-164-816-11	CERAMIC CHIP	220PF 2% 50V (E2, E51, MX, AR)
C809	1-126-157-11	ELECT	10uF 20% 16V (E2, E51, MX, AR)
C810	1-164-315-11	CERAMIC CHIP	470PF 5% 50V (E2, E51, MX, AR)
C811	1-124-463-00	ELECT	0.1uF 20% 50V (E2, E51, MX, AR)
C813	1-119-774-11	ELECT	100uF 20% 16V (E2, E51, MX, AR)
C814	1-124-257-00	ELECT	2.2uF 20% 50V (E2, E51, MX, AR)
C815	1-162-923-11	CERAMIC CHIP	47PF 5% 50V (E2, E51, MX, AR)
C816	1-164-816-11	CERAMIC CHIP	220PF 2% 50V (E2, E51, MX, AR)
C817	1-124-257-00	ELECT	2.2uF 20% 50V (E2, E51, MX, AR)
C818	1-126-157-11	ELECT	10uF 20% 16V (E2, E51, MX, AR)
C819	1-164-156-11	CERAMIC CHIP	0.1uF 25V (E2, E51, MX, AR)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C833	1-164-156-11	CERAMIC CHIP	0.1uF 25V (E2, E51, MX, AR)	R802	1-216-825-11	METAL CHIP	2.2K 5% 1/10W (E2, E51, MX, AR)
C851	1-126-160-11	ELECT	1uF 20% 50V (MX)	R803	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (E2, E51, MX, AR)
C852	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V (MX)	R804	1-216-825-11	METAL CHIP	2.2K 5% 1/10W (E2, E51, MX, AR)
C853	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V (MX)	R805	1-216-845-11	METAL CHIP	100K 5% 1/10W (E2, E51, MX, AR)
C854	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V (MX)	R806	1-216-845-11	METAL CHIP	100K 5% 1/10W (E2, E51, MX, AR)
C856	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V (MX)	R807	1-216-833-11	METAL CHIP	10K 5% 1/10W (E2, E51, MX, AR)
C857	1-124-465-00	ELECT	0.47uF 20% 50V (MX)	R808	1-216-833-11	METAL CHIP	10K 5% 1/10W (E2, E51, MX, AR)
C858	1-124-465-00	ELECT	0.47uF 20% 50V (MX)	R809	1-216-845-11	METAL CHIP	100K 5% 1/10W (E2, E51, MX, AR)
C859	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (MX)	R810	1-216-821-11	METAL CHIP	1K 5% 1/10W (E2, E51, MX, AR)
C861	1-126-160-11	ELECT	1uF 20% 50V (MX)	R811	1-216-841-11	METAL CHIP	47K 5% 1/10W (E2, E51, MX, AR)
C862	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V (MX)	R812	1-216-809-11	METAL CHIP	100 5% 1/10W (E2, E51, MX, AR)
C863	1-124-257-00	ELECT	2.2uF 20% 50V (MX)	R813	1-216-833-11	METAL CHIP	10K 5% 1/10W (E2, E51, MX, AR)
C864	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V (MX)	R814	1-216-849-11	METAL CHIP	220K 5% 1/10W (E2, E51, MX, AR)
C865	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V (MX)	R815	1-216-809-11	METAL CHIP	100 5% 1/10W (E2, E51, MX, AR)
C867	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V (MX)	R816	1-216-845-11	METAL CHIP	100K 5% 1/10W (E2, E51, MX, AR)
C868	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V (MX)	R817	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (E2, E51, MX, AR)
C869	1-124-589-11	ELECT	47uF 20% 16V (MX)	R818	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (E2, E51, MX, AR)
C870	1-124-589-11	ELECT	47uF 20% 16V (MX)	R819	1-216-849-11	METAL CHIP	220K 5% 1/10W (E2, E51, MX, AR)
		< DIODE >		R851	1-216-837-11	METAL CHIP	22K 5% 1/10W (MX)
D851	8-719-069-54	DIODE	UDZSTE-175.1B (MX)	R852	1-216-837-11	METAL CHIP	22K 5% 1/10W (MX)
		< IC >		R853	1-216-837-11	METAL CHIP	22K 5% 1/10W (MX)
IC801	8-759-909-71	IC	BA4558F (E2, E51, MX, AR)	R854	1-216-841-11	METAL CHIP	47K 5% 1/10W (MX)
IC802	8-759-496-41	IC	M65850FP-E1 (MX)	R855	1-216-837-11	METAL CHIP	22K 5% 1/10W (MX)
		< JACK >		R856	1-216-833-11	METAL CHIP	10K 5% 1/10W (MX)
JK801	1-770-226-11	JACK (LARGE TYPE)	(MIC 1) (MX)	R857	1-216-837-11	METAL CHIP	22K 5% 1/10W (MX)
JK802	1-770-226-11	JACK (LARGE TYPE)	(MIC 2) (MX)	R858	1-216-837-11	METAL CHIP	22K 5% 1/10W (MX)
JK802	1-770-226-11	JACK (LARGE TYPE)	(MIC) (E2, E51, AR)	R859	1-216-837-11	METAL CHIP	22K 5% 1/10W (MX)
		< JUMPER RESISTOR >		R860	1-216-845-11	METAL CHIP	100K 5% 1/10W (MX)
JR801	1-216-864-11	SHORT CHIP	0 (E2, E51, AR)	R861	1-216-817-11	METAL CHIP	470 5% 1/10W (MX)
JR802	1-216-864-11	SHORT CHIP	0 (E2, E51, AR)	R862	1-216-817-11	METAL CHIP	470 5% 1/10W (MX)
		< TRANSISTOR >					
Q801	8-729-120-28	TRANSISTOR	2SC1623-L5L6 (E2, E51, MX, AR)				
		< RESISTOR >					
R801	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (E2, E51, MX, AR)				

HCD-GX355/GX555/RG270/RG475/RG575

Ver. 1.1

MIC **MOTOR (LD)** **MOTOR (TB)** **PANEL**

Ref. No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
VR801	1-223-983-11	RES, VAR, CARBON	50K (MIC LEVEL) (E2, E51, MX, AR)
VR851	1-223-983-11	RES, VAR, CARBON	50K (ECHO LEVEL) (MX)

	1-687-133-12	MOTOR (LD) BOARD	*****

	1-687-134-12	MOTOR (TB) BOARD	*****

		< CONNECTOR >	
CN742	1-784-727-11	CONNECTOR, FFC 5P	

A-1093-848-A		PANEL BOARD, COMPLETE (GX555/RG475)	
A-1093-850-A		PANEL BOARD, COMPLETE (GX355/RG270: AEP, UK, EE, RU, E2, E3, E51, EA, AR, AUS)	
A-1093-851-A		PANEL BOARD, COMPLETE (RG270: MX)	
A-1093-855-A		PANEL BOARD, COMPLETE (RG575: MX)	
A-1116-669-A		PANEL BOARD, COMPLETE (RG575: E2, E51, AR, SP)	*****
	2-348-856-01	FL GUIDE	
		< CAPACITOR >	
C621	1-124-257-00	ELECT	2.2uF 20% 50V
C622	1-124-257-00	ELECT	2.2uF 20% 50V
C625	1-128-131-11	ELECT	22uF 20% 50V
C631	1-124-589-11	ELECT	47uF 20% 16V
C701	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C702	1-124-589-11	ELECT	47uF 20% 16V
C703	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C704	1-164-357-11	CERAMIC CHIP	0.001uF 5% 50V
C707	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
C708	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C709	1-124-589-11	ELECT	47uF 20% 16V
C710	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C711	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C712	1-128-131-11	ELECT	22uF 20% 50V
		< CONNECTOR >	
CN601	1-784-741-11	CONNECTOR, FFC 19P	
CN602	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P	
		< DIODE >	
D601	8-719-063-93	LED SLR325VC-N-T32 (STREAM)	(GX555/RG475/RG575)
D602	8-719-063-93	LED SLR325VC-N-T32 (STREAM)	
D603	8-719-063-93	LED SLR325VC-N-T32 (STREAM)	(GX555/RG475/RG575)
D604	8-719-063-93	LED SLR325VC-N-T32 (STREAM)	(GX555/RG475/RG575)
D605	8-719-063-93	LED SLR325VC-N-T32 (STREAM)	

Ref. No.	Part No.	Description	Remark
D606	8-719-063-93	LED SLR325VC-N-T32 (STREAM)	(GX555/RG475/RG575)
D608	8-719-063-92	LED SLR325MC-M-T31-NP	(SUB WOOFER ON/OFF) (GX555/RG475/RG575)
D611	6-500-809-01	LED SELU5223C-STP15 (STANDBY)	
		< FLUORESCENT INDICATOR TUBE >	
FL701	1-518-976-21	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC610	6-600-446-01	IC RPM7240-H18	
IC701	6-708-011-01	IC uPD780232GC-508-8BT-A	
		< TRANSISTOR >	
Q601	8-729-120-28	TRANSISTOR	2SC1623-L5L6 (GX555/RG475/RG575)
Q602	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q603	8-729-120-28	TRANSISTOR	2SC1623-L5L6 (GX555/RG475/RG575)
Q604	8-729-120-28	TRANSISTOR	2SC1623-L5L6 (GX555/RG475/RG575)
Q605	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q606	8-729-120-28	TRANSISTOR	2SC1623-L5L6 (GX555/RG475/RG575)
Q608	8-729-120-28	TRANSISTOR	2SC1623-L5L6 (GX555/RG475/RG575)
		< RESISTOR >	
R601	1-216-821-11	METAL CHIP	1K 5% 1/10W (GX555/RG475/RG575)
R602	1-216-821-11	METAL CHIP	1K 5% 1/10W
R603	1-216-821-11	METAL CHIP	1K 5% 1/10W (GX555/RG475/RG575)
R604	1-216-821-11	METAL CHIP	1K 5% 1/10W (GX555/RG475/RG575)
R605	1-216-821-11	METAL CHIP	1K 5% 1/10W (GX555/RG475/RG575)
R606	1-216-821-11	METAL CHIP	1K 5% 1/10W (GX555/RG475/RG575)
R607	1-216-821-11	METAL CHIP	1K 5% 1/10W
R608	1-216-820-11	METAL CHIP	820 5% 1/10W (GX555/RG475/RG575)
R609	1-216-809-11	METAL CHIP	100 5% 1/10W
R611	1-216-821-11	METAL CHIP	1K 5% 1/10W (GX555/RG475/RG575)
R612	1-216-821-11	METAL CHIP	1K 5% 1/10W
R613	1-216-821-11	METAL CHIP	1K 5% 1/10W (GX555/RG475/RG575)
R614	1-216-821-11	METAL CHIP	1K 5% 1/10W (GX555/RG475/RG575)
R615	1-216-821-11	METAL CHIP	1K 5% 1/10W
R616	1-216-821-11	METAL CHIP	1K 5% 1/10W (GX555/RG475/RG575)
R618	1-216-820-11	METAL CHIP	820 5% 1/10W (GX555/RG475/RG575)
R619	1-216-809-11	METAL CHIP	100 5% 1/10W
R620	1-216-805-11	METAL CHIP	47 5% 1/10W
R621	1-216-837-11	METAL CHIP	22K 5% 1/10W
R622	1-216-837-11	METAL CHIP	22K 5% 1/10W
R623	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R625	1-216-829-11	METAL CHIP	4.7K 5% 1/10W

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R627	1-216-801-11	METAL CHIP	22 5% 1/10W				
R628	1-216-801-11	METAL CHIP	22 5% 1/10W			< SWITCH >	
R629	1-216-833-11	METAL CHIP	10K 5% 1/10W				
			(GX555/RG475/RG575)	S601	1-762-875-21	SWITCH, KEYBOARD (I/⏏)	
R631	1-216-833-11	METAL CHIP	10K 5% 1/10W	S602	1-762-875-21	SWITCH, KEYBOARD (DISPLAY)	
			(GX555/RG475/RG575)	S611	1-762-875-21	SWITCH, KEYBOARD (ILLUMINATION)	
R633	1-216-833-11	METAL CHIP	10K 5% 1/10W	S612	1-762-875-21	SWITCH, KEYBOARD (CD)	
R635	1-216-833-11	METAL CHIP	10K 5% 1/10W	S613	1-762-875-21	SWITCH, KEYBOARD (TUNER BAND)	
			(GX555/RG475/RG575)	S614	1-762-875-21	SWITCH, KEYBOARD (TAPE A/B)	
R637	1-216-833-11	METAL CHIP	10K 5% 1/10W	S615	1-762-875-21	SWITCH, KEYBOARD (AUDIO IN)	
			(GX555/RG475/RG575)	S616	1-762-875-21	SWITCH, KEYBOARD (REC PAUSE/START)	
R639	1-216-833-11	METAL CHIP	10K 5% 1/10W	S617	1-762-875-21	SWITCH, KEYBOARD (CD SYNC)	
R641	1-216-833-11	METAL CHIP	10K 5% 1/10W	S621	1-762-875-21	SWITCH, KEYBOARD (PRESET EQ)	
			(GX555/RG475/RG575)	S622	1-762-875-21	SWITCH, KEYBOARD (GROOVE)	
R645	1-216-837-11	METAL CHIP	22K 5% 1/10W	S631	1-762-875-21	SWITCH, KEYBOARD (P FILE)	
R646	1-216-841-11	METAL CHIP	47K 5% 1/10W	S632	1-762-875-21	SWITCH, KEYBOARD (SURROUND)	
R647	1-216-797-11	METAL CHIP	10 5% 1/10W	S633	1-762-875-21	SWITCH, KEYBOARD (EFFECT ON/OFF)	
R648	1-216-797-11	METAL CHIP	10 5% 1/10W	S634	1-762-875-21	SWITCH, KEYBOARD (ENTER)	
R650	1-216-837-11	METAL CHIP	22K 5% 1/10W	S641	1-762-875-21	SWITCH, KEYBOARD	
R651	1-216-841-11	METAL CHIP	47K 5% 1/10W			(PLAY MODE/TUNING MODE)	
R652	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	S642	1-762-875-21	SWITCH, KEYBOARD (▲ (CD))	
R660	1-216-837-11	METAL CHIP	22K 5% 1/10W	S643	1-762-875-21	SWITCH, KEYBOARD (DISC SKIP/EX-CHANGE)	
R661	1-216-841-11	METAL CHIP	47K 5% 1/10W	S644	1-762-875-21	SWITCH, KEYBOARD (DISC 3)	
R662	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	S645	1-762-875-21	SWITCH, KEYBOARD (DISC 2)	
R663	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	S646	1-762-875-21	SWITCH, KEYBOARD (DISC 1)	
R664	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	S647	1-762-875-21	SWITCH, KEYBOARD (SUB WOOFER ON/OFF)	
R665	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			(GX555/RG475/RG575)	
R666	1-216-833-11	METAL CHIP	10K 5% 1/10W	S648	1-762-875-21	SWITCH, KEYBOARD (MULTI PLEX) (MX)	
R667	1-216-837-11	METAL CHIP	22K 5% 1/10W			< VIBRATOR >	
R670	1-216-837-11	METAL CHIP	22K 5% 1/10W	X701	1-795-054-21	VIBRATOR, CERAMIC (4.19MHz)	
R671	1-216-841-11	METAL CHIP	47K 5% 1/10W			*****	
R672	1-216-825-11	METAL CHIP	2.2K 5% 1/10W			A-1094-132-A	POWER BOARD, COMPLETE (GX555)
R673	1-216-825-11	METAL CHIP	2.2K 5% 1/10W			A-1094-133-A	POWER BOARD, COMPLETE
R680	1-216-837-11	METAL CHIP	22K 5% 1/10W				(RG475: AEP, UK, EE, RU)
R681	1-216-841-11	METAL CHIP	47K 5% 1/10W			A-1094-134-A	POWER BOARD, COMPLETE (RG475: E3, AUS)
R682	1-216-825-11	METAL CHIP	2.2K 5% 1/10W			A-1094-136-A	POWER BOARD, COMPLETE (GX355)
R683	1-216-825-11	METAL CHIP	2.2K 5% 1/10W			A-1094-137-A	POWER BOARD, COMPLETE
R684	1-216-829-11	METAL CHIP	4.7K 5% 1/10W				(RG270: AEP, UK, EE, RU)
R685	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			A-1094-138-A	POWER BOARD, COMPLETE
R690	1-216-837-11	METAL CHIP	22K 5% 1/10W				(RG270: E2, E3, E51, EA, MX, AR, AUS)
R691	1-216-841-11	METAL CHIP	47K 5% 1/10W			A-1094-148-A	POWER BOARD, COMPLETE
R692	1-216-825-11	METAL CHIP	2.2K 5% 1/10W				(RG575: E2, E51, MX, AR)
R693	1-216-825-11	METAL CHIP	2.2K 5% 1/10W			A-1104-989-A	POWER BOARD, COMPLETE (RG475: SP)
R694	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			A-1104-990-A	POWER BOARD, COMPLETE (RG575: SP)
R695	1-216-829-11	METAL CHIP	4.7K 5% 1/10W				*****
R696	1-216-833-11	METAL CHIP	10K 5% 1/10W			7-685-872-09	SCREW +BVTT 3X8 (S)
R697	1-216-837-11	METAL CHIP	22K 5% 1/10W				< CAPACITOR >
			(GX555/RG270: MX/RG475/RG575)	C403	1-137-749-11	MYLAR	0.1uF 100V
R698	1-216-841-11	METAL CHIP	47K 5% 1/10W	C404	1-137-749-11	MYLAR	0.1uF 100V
			(MX)	C405	1-135-928-21	ELECT	2200uF 20% 63V
R701	1-216-864-11	SHORT CHIP	0				(US, CND, AEP, UK, EE, RU)
R702	1-216-821-11	METAL CHIP	1K 5% 1/10W	C405	1-137-840-11	ELECT	2200uF 20% 63V
R703	1-216-809-11	METAL CHIP	100 5% 1/10W				(E2, E3, E51, EA, MX, AR, AUS, SP)
R704	1-216-864-11	SHORT CHIP	0	C406	1-135-928-21	ELECT	2200uF 20% 63V
R705	1-216-825-11	METAL CHIP	2.2K 5% 1/10W				(US, CND, AEP, UK, EE, RU)
R706	1-216-821-11	METAL CHIP	1K 5% 1/10W	C406	1-137-840-11	ELECT	2200uF 20% 63V
R707	1-216-821-11	METAL CHIP	1K 5% 1/10W				(E2, E3, E51, EA, MX, AR, AUS, SP)
R708	1-216-821-11	METAL CHIP	1K 5% 1/10W				
R709	1-216-821-11	METAL CHIP	1K 5% 1/10W				

HCD-GX355/GX555/RG270/RG475/RG575

POWER

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C411	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V (AEP, UK, EE, RU)	L442	1-422-009-13	COIL, AIR-CORE	
C411	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (EXCEPT AEP, UK, EE, RU)			< TRANSISTOR >	
C441	1-126-964-11	ELECT	10uF 20% 50V	Q441	6-551-268-01	TRANSISTOR	2SC5625
C442	1-126-964-11	ELECT	10uF 20% 50V	Q442	6-551-268-01	TRANSISTOR	2SC5625
C443	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	Q481	8-729-120-28	TRANSISTOR	2SC1623-L5L6
C444	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	Q482	8-729-120-28	TRANSISTOR	2SC1623-L5L6
C445	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	Q483	8-729-120-28	TRANSISTOR	2SC1623-L5L6
C446	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	Q484	8-729-120-28	TRANSISTOR	2SC1623-L5L6
C447	1-126-965-11	ELECT	22uF 20% 50V	Q485	8-729-600-22	TRANSISTOR	2SA1235-F
C448	1-126-965-11	ELECT	22uF 20% 50V	Q486	8-729-120-28	TRANSISTOR	2SC1623-L5L6
C451	1-136-165-00	FILM	0.1uF 5% 50V	Q487	8-729-120-28	TRANSISTOR	2SC1623-L5L6
C452	1-136-165-00	FILM	0.1uF 5% 50V	Q488	8-729-120-28	TRANSISTOR	2SC1623-L5L6 (GX355/RG270)
C453	1-136-165-00	FILM	0.1uF 5% 50V	Q488	8-729-901-87	TRANSISTOR	2SC2411K-CQ (GX555/RG475/RG575)
C454	1-136-165-00	FILM	0.1uF 5% 50V	Q489	6-551-268-01	TRANSISTOR	2SC5625
C459	1-104-987-11	MYLAR	0.001uF 5% 200V (AEP, UK, EE, RU)			< RESISTOR >	
C460	1-104-987-11	MYLAR	0.001uF 5% 200V (AEP, UK, EE, RU)	R401	1-216-845-11	METAL CHIP	100K 5% 1/10W
C481	1-104-665-11	ELECT	100uF 20% 25V	R402	1-216-845-11	METAL CHIP	100K 5% 1/10W
C486	1-126-961-11	ELECT	2.2uF 20% 50V	R407	1-216-809-11	METAL CHIP	100 5% 1/10W
C488	1-126-965-11	ELECT	22uF 20% 50V	R411	1-216-797-11	METAL CHIP	10 5% 1/10W
C489	1-128-552-51	ELECT	47uF 20% 63V	R412	1-216-797-11	METAL CHIP	10 5% 1/10W
C490	1-128-576-11	ELECT	100uF 20% 63V	R413	1-216-797-11	METAL CHIP	10 5% 1/10W
C491	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V (AEP, UK, EE, RU)	R414	1-216-797-11	METAL CHIP	10 5% 1/10W
C493	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V (AEP, UK, EE, RU)	R415	1-216-797-11	METAL CHIP	10 5% 1/10W
C494	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V (AEP, UK, EE, RU)	R416	1-216-797-11	METAL CHIP	10 5% 1/10W
		< CONNECTOR >		R417	1-216-809-11	METAL CHIP	100 5% 1/10W
CN441	1-778-981-21	CONNECTOR, BOARD TO BOARD 13P		R418	1-216-813-11	METAL CHIP	220 5% 1/10W
		< DIODE >		R419	1-216-809-11	METAL CHIP	100 5% 1/10W
D401	6-500-360-01	DIODE D10XB20		R420	1-216-797-11	METAL CHIP	10 5% 1/10W
D441	8-719-000-07	DIODE MC2836		R421	1-216-797-11	METAL CHIP	10 5% 1/10W
D443	8-719-988-61	DIODE 1SS355TE-17		R422	1-216-797-11	METAL CHIP	10 5% 1/10W
D481	8-719-988-61	DIODE 1SS355TE-17		R423	1-216-797-11	METAL CHIP	10 5% 1/10W
D483	8-719-988-61	DIODE 1SS355TE-17		R424	1-216-797-11	METAL CHIP	10 5% 1/10W
		< EARTH TERMINAL >		R425	1-216-797-11	METAL CHIP	10 5% 1/10W
* EP401	1-537-738-21	TERMINAL, EARTH		R437	1-216-833-11	METAL CHIP	10K 5% 1/10W
		< IC >		R440	1-216-837-11	METAL CHIP	22K 5% 1/10W
IC441	6-600-221-01	IC STK403-130		R441	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
		< JACK >		R442	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
JK441	1-694-884-11	TERMINAL BOARD (4P) (SPEAKER, IMPEDANCE USE 6-16Ω)		R443	1-216-841-11	METAL CHIP	47K 5% 1/10W
		< JUMPER RESISTOR >		R444	1-216-841-11	METAL CHIP	47K 5% 1/10W
JR441	1-216-864-11	SHORT CHIP	0	R445	1-216-821-11	METAL CHIP	1K 5% 1/10W
JR442	1-216-864-11	SHORT CHIP	0	R446	1-216-821-11	METAL CHIP	1K 5% 1/10W
		< COIL >		R447	1-216-841-11	METAL CHIP	47K 5% 1/10W
L441	1-422-009-13	COIL, AIR-CORE		R448	1-216-841-11	METAL CHIP	47K 5% 1/10W
				△R449	1-212-974-00	FUSIBLE	47 5% 1/2W F
				△R451	1-217-156-00	METAL	0.22 10% 5W F
				△R452	1-217-156-00	METAL	0.22 10% 5W F
				R453	1-216-797-11	METAL CHIP	10 5% 1/10W
				R454	1-216-797-11	METAL CHIP	10 5% 1/10W
				R455	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R456	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R457	1-216-837-11	METAL CHIP	22K 5% 1/10W
				R458	1-216-837-11	METAL CHIP	22K 5% 1/10W
				R459	1-216-841-11	METAL CHIP	47K 5% 1/10W
				R460	1-216-841-11	METAL CHIP	47K 5% 1/10W

POWER **SENSOR** **SUB TRANS** **SUB WOOFER**

Ref. No.	Part No.	Description	Remark
R461	1-216-797-11	METAL CHIP	10 5% 1/10W
R462	1-216-797-11	METAL CHIP	10 5% 1/10W
R465	1-216-841-11	METAL CHIP	47K 5% 1/10W
R466	1-216-845-11	METAL CHIP	100K 5% 1/10W
R480	1-216-845-11	METAL CHIP	100K 5% 1/10W
R481	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R482	1-216-833-11	METAL CHIP	10K 5% 1/10W
R483	1-216-801-11	METAL CHIP	22 5% 1/10W
R484	1-216-845-11	METAL CHIP	100K 5% 1/10W
R485	1-216-845-11	METAL CHIP	100K 5% 1/10W
R486	1-216-845-11	METAL CHIP	100K 5% 1/10W
R487	1-216-841-11	METAL CHIP	47K 5% 1/10W
R488	1-216-837-11	METAL CHIP	22K 5% 1/10W
R490	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R491	1-216-841-11	METAL CHIP	47K 5% 1/10W
R492	1-216-821-11	METAL CHIP	1K 5% 1/10W
R493	1-216-841-11	METAL CHIP	47K 5% 1/10W
△ R495	1-202-972-61	FUSIBLE	1 5% 1/4W F
△ R496	1-212-881-11	FUSIBLE	100 5% 1/4W F
R497	1-216-845-11	METAL CHIP	100K 5% 1/10W
R498	1-216-821-11	METAL CHIP	1K 5% 1/10W
R499	1-216-821-11	METAL CHIP	1K 5% 1/10W
		< RELAY >	
RY441	1-755-373-11	RELAY	
		< THERMISTOR >	
TH441	1-807-796-11	THERMISTOR	

	1-687-132-12	SENSOR BOARD	

		< CONNECTOR >	
CN731	1-785-329-21	PIN, CONNECTOR (LIGHT ANGLE) 3P	
		< IC >	
IC731	6-600-022-01	IC RPI-576	

Ref. No.	Part No.	Description	Remark
	A-1094-102-A	SUB TRANS BOARD, COMPLETE (GX555)	
	A-1094-103-A	SUB TRANS BOARD, COMPLETE	
		(RG475: AEP, UK, EE, RU)	
	A-1094-104-A	SUB TRANS BOARD, COMPLETE (AUS)	
	A-1094-105-A	SUB TRANS BOARD, COMPLETE	
		(RG270: E2, E3, E51/RG475: E3, SP)	
	A-1094-108-A	SUB TRANS BOARD, COMPLETE (GX355)	
	A-1094-109-A	SUB TRANS BOARD, COMPLETE	
		(RG270: AEP, UK, EE, RU)	
	A-1094-110-A	SUB TRANS BOARD, COMPLETE (EA)	
	A-1094-111-A	SUB TRANS BOARD, COMPLETE (RG270: MX)	
	A-1094-112-A	SUB TRANS BOARD, COMPLETE (RG270: AR)	
	A-1094-129-A	SUB TRANS BOARD, COMPLETE	
		(RG575: E2, E51, SP)	
	A-1094-130-A	SUB TRANS BOARD, COMPLETE (RG575: MX)	
	A-1094-131-A	SUB TRANS BOARD, COMPLETE (RG575: AR)	

		< CONNECTOR >	
CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
CN903	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
		(EXCEPT E2, E3, E51, EA, SP)	
CN903	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P	
		(E2, E3, E51, EA, SP)	
		< DIODE >	
D901	8-719-988-61	DIODE 1SS355TE-17	
D902	6-500-522-21	DIODE 10EDB40-TB3	
D903	6-500-522-21	DIODE 10EDB40-TB3	
D904	6-500-522-21	DIODE 10EDB40-TB3	
D905	6-500-522-21	DIODE 10EDB40-TB3	
		< TRANSFORMER >	
△ PT902	1-443-614-11	TRANSFORMER, POWER (GX355/GX555)	
△ PT902	1-443-615-11	TRANSFORMER, POWER (AEP, UK, EE, RU)	
△ PT902	1-443-616-11	TRANSFORMER, POWER	
		(E2, E3, E51, AR, AUS, SP)	
△ PT902	1-443-617-11	TRANSFORMER, POWER (EA, MX)	
		< RESISTOR >	
R910	1-216-809-11	METAL CHIP	100 5% 1/10W
R911	1-216-813-11	METAL CHIP	220 5% 1/10W
R912	1-216-805-11	METAL CHIP	47 5% 1/10W
R913	1-216-805-11	METAL CHIP	47 5% 1/10W
		< RELAY >	
△ RY901	1-755-276-11	RELAY, POWER	
		< SWITCH >	
△ S901	1-786-055-21	SELECTOR, VOLTAGE (VOLTAGE SELECTOR)	
		(E2, E3, E51, EA, SP)	

	A-1094-189-A	SUB WOOFER BOARD, COMPLETE (GX555)	
	A-1094-190-A	SUB WOOFER BOARD, COMPLETE (RG475)	
	A-1094-192-A	SUB WOOFER BOARD, COMPLETE (RG575)	

		< CAPACITOR >	
C502	1-162-960-11	CERAMIC CHIP	220PF 10% 50V

HCD-GX355/GX555/RG270/RG475/RG575

Ver. 1.1

SUB WOOFER **SW** **TRANSFORMER**

Ref. No.	Part No.	Description	Remark
C503	1-162-968-11	CERAMIC CHIP 0.0047uF 10%	50V
C504	1-104-662-91	ELECT 22uF 20%	25V
C505	1-162-915-11	CERAMIC CHIP 10PF 0.5PF	50V
C506	1-104-665-11	ELECT 100uF 20%	25V
C507	1-126-967-11	ELECT 47uF 20%	50V
C508	1-164-230-11	CERAMIC CHIP 220PF 5%	50V
C509	1-128-563-11	ELECT 100uF 20%	100V
C510	1-128-582-11	ELECT 10uF 20%	100V
C511	1-128-582-11	ELECT 10uF 20%	100V
C512	1-136-165-00	FILM 0.1uF 5%	50V
C513	1-136-165-00	FILM 0.1uF 5%	50V
C514	1-126-948-11	ELECT 100uF 20%	35V
C516	1-126-964-11	ELECT 10uF 20%	50V
C517	1-126-964-11	ELECT 10uF 20%	50V
< CONNECTOR >			
* CN501	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	
CN502	1-564-509-11	PLUG, CONNECTOR 6P	
< DIODE >			
D501	8-719-083-82	DIODE UDZS-TE17-12B	
D502	8-719-988-61	DIODE 1SS355TE-17	
D503	8-719-988-61	DIODE 1SS355TE-17	
D504	8-719-988-61	DIODE 1SS355TE-17	
D507	8-719-988-61	DIODE 1SS355TE-17	
< IC >			
IC501	6-600-091-01	IC STK404-130S	
< JACK >			
JK501	1-780-242-11	TERMINAL BOARD, PUSH (ANTENNA) 2P (SUB WOOFER OUT, IMPEDANCE USE 6-16Ω)	
< JUMPER RESISTOR >			
JR501	1-216-864-11	SHORT CHIP 0	
JR502	1-216-864-11	SHORT CHIP 0	
< TRANSISTOR >			
Q501	6-551-268-01	TRANSISTOR 2SC5625	
Q502	8-729-600-22	TRANSISTOR 2SA1235-F	
Q503	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q505	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q506	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q507	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
< RESISTOR >			
R501	1-216-841-11	METAL CHIP 47K 5%	1/10W
R502	1-216-841-11	METAL CHIP 47K 5%	1/10W
R503	1-216-821-11	METAL CHIP 1K 5%	1/10W
R504	1-216-841-11	METAL CHIP 47K 5%	1/10W
△ R505	1-215-873-00	METAL OXIDE 4.7K 5%	1W F
△ R506	1-202-972-61	FUSIBLE 1 5%	1/4W F
△ R507	1-215-873-00	METAL OXIDE 4.7K 5%	1W F
△ R508	1-215-873-00	METAL OXIDE 4.7K 5%	1W F
△ R509	1-212-881-11	FUSIBLE 100 5%	1/4W F
△ R510	1-217-156-00	METAL 0.22 10%	5W F
△ R511	1-217-156-00	METAL 0.22 10%	5W F

Ref. No.	Part No.	Description	Remark
R512	1-216-797-11	METAL CHIP 10 5%	1/10W
R513	1-216-821-11	METAL CHIP 1K 5%	1/10W
R514	1-216-837-11	METAL CHIP 22K 5%	1/10W
R515	1-216-841-11	METAL CHIP 47K 5%	1/10W
R516	1-216-813-11	METAL CHIP 220 5%	1/10W
R517	1-216-833-11	METAL CHIP 10K 5%	1/10W
R518	1-216-833-11	METAL CHIP 10K 5%	1/10W
R520	1-216-845-11	METAL CHIP 100K 5%	1/10W
R521	1-216-809-11	METAL CHIP 100 5%	1/10W
R522	1-216-809-11	METAL CHIP 100 5%	1/10W
R523	1-216-809-11	METAL CHIP 100 5%	1/10W
R524	1-216-841-11	METAL CHIP 47K 5%	1/10W
R525	1-216-797-11	METAL CHIP 10 5%	1/10W
R526	1-216-797-11	METAL CHIP 10 5%	1/10W
R527	1-216-797-11	METAL CHIP 10 5%	1/10W
R529	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R530	1-216-837-11	METAL CHIP 22K 5%	1/10W
R531	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R532	1-216-837-11	METAL CHIP 22K 5%	1/10W
R533	1-216-837-11	METAL CHIP 22K 5%	1/10W
△ R534	1-202-972-61	FUSIBLE 1 5%	1/4W F
< RELAY >			
RY501	1-755-373-11	RELAY	

	1-687-669-12	SW BOARD	*****
< SWITCH >			
S751	1-786-514-11	SWITCH, LEVER (SLIDE) (OPEN/CLOSE DETECT)	

	A-1094-068-A	TRANSFORMER BOARD, COMPLETE (GX555)	
	A-1094-069-A	TRANSFORMER BOARD, COMPLETE (RG475: AEP, UK, EE, RU)	
	A-1094-070-A	TRANSFORMER BOARD, COMPLETE (AUS)	
	A-1094-071-A	TRANSFORMER BOARD, COMPLETE (RG270: E2, E3, E51/RG475: E3, SP)	
	A-1094-074-A	TRANSFORMER BOARD, COMPLETE (GX355)	
	A-1094-075-A	TRANSFORMER BOARD, COMPLETE (RG270: AEP, UK, EE, RU)	
	A-1094-076-A	TRANSFORMER BOARD, COMPLETE (EA)	
	A-1094-077-A	TRANSFORMER BOARD, COMPLETE (RG270: MX)	
	A-1094-078-A	TRANSFORMER BOARD, COMPLETE (RG270: AR)	
	A-1094-096-A	TRANSFORMER BOARD, COMPLETE (RG575: E2, E51, SP)	
	A-1094-097-A	TRANSFORMER BOARD, COMPLETE (RG575: MX)	
	A-1094-098-A	TRANSFORMER BOARD, COMPLETE (RG575: AR)	

	1-533-233-31	FUSE HOLDER	
< CAPACITOR >			
C907	1-136-165-00	FILM 0.1uF 5%	50V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C908	1-128-553-11	ELECT	220uF 20% 63V	SW601	1-786-289-31	SWITCH, DETECTION	
C909	1-126-964-11	ELECT	10uF 20% 50V			(I<<< - EQ + >>>I, - TUNING +)	
C910	1-126-968-11	ELECT	100uF 20% 50V			*****	
C911	1-126-942-61	ELECT	1000uF 20% 25V				
		< CONNECTOR >				MISCELLANEOUS	

CN905	1-564-506-11	PLUG, CONNECTOR 3P		54	1-828-975-11	WIRE (FLAT TYPE) (13 CORE) (MX)	
* CN906	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P		59	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)	
* CN907	1-764-333-11	PLUG, CONNECTOR 10P				(EXCEPT AEP, UK, EE)	
		< DIODE >		59	1-828-980-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK, EE)	
D906	8-719-083-70	DIODE UDZSTE-1727B		60	1-693-615-11	TUNER (FM/AM)	
D908	6-500-522-21	DIODE 10EDB40-TB3				(E2, E3, E51, EA, MX, AR, AUS, SP)	
		< TRANSISTOR >		60	1-693-616-11	TUNER (FM/AM) (AEP, UK, EE)	
Q902	8-729-048-66	TRANSISTOR 2SB1238-PQR-TV2		60	1-693-617-11	TUNER (FM/AM) (RU)	
		< RESISTOR >		60	1-693-631-31	TUNER (FM/AM) (US, CND)	
R903	1-216-833-11	METAL CHIP 10K 5% 1/10W		113	1-829-003-11	WIRE (FLAT TYPE) (19 CORE)	
R904	1-216-821-11	METAL CHIP 1K 5% 1/10W		116	1-828-973-11	WIRE (FLAT TYPE) (13 CORE)	
△ R908	1-202-972-61	FUSIBLE 1 5% 1/4W F		118	1-796-485-51	DECK, MECHANICAL (CWM43FF13)	
		*****		203	1-775-251-11	WIRE (FLAT TYPE) (27 CORE) (EXCEPT MX)	
A-1094-206-A	VIDEO OUT BOARD, COMPLETE (RG270: MX)			203	1-775-285-11	WIRE (FLAT TYPE) (31 CORE) (MX)	
A-1124-118-A	VIDEO OUT BOARD, COMPLETE (RG575: MX)			204	1-828-970-11	WIRE (FLAT TYPE) (13 CORE)	
	*****			△ 210	1-827-226-31	CORD, POWER (E2, E3, MX)	
	< CAPACITOR >			△ 210	1-830-188-11	CORD, POWER (AEP, EE, RU, E51, SP)	
C803	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		△ 210	1-830-190-11	CORD, POWER (US, CND)	
		< JACK >		△ 210	1-769-744-81	CORD, POWER (UK, EA)	
J803	1-774-227-11	JACK, PIN 1P (VIDEO OUT)		△ 210	1-775-790-71	CORD, POWER (AUS)	
		*****		211	1-500-868-11	CORE, FERRITE (MX)	
A-1093-874-A	VOL BOARD, COMPLETE			502	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)	
	(GX355/GX555/RG270/RG475)			576	1-827-992-11	WIRE (FLAT TYPE) (16 CORE)	
A-1093-878-A	VOL BOARD, COMPLETE (RG575)			△ 579	8-820-244-01	DEVICE, OPTICAL KSM-215DCP/C2NP	
	*****			580	1-471-035-11	MAGNET ASSY	
	< RESISTOR >			△ F904	1-576-655-12	FUSE, GLASS TUBE (DIA. 5) (T8A/250V)	
R674	1-216-829-11	METAL CHIP 4.7K 5% 1/10W		△ F905	1-576-655-12	FUSE, GLASS TUBE (DIA. 5) (T8A/250V)	
R675	1-216-829-11	METAL CHIP 4.7K 5% 1/10W		△ F906	1-533-470-12	FUSE, GLASS TUBE (DIA. 5) (T3.15A/250V)	
R676	1-216-833-11	METAL CHIP 10K 5% 1/10W		△ F907	1-533-470-12	FUSE, GLASS TUBE (DIA. 5) (T3.15A/250V)	
R677	1-216-837-11	METAL CHIP 22K 5% 1/10W		FL701	1-518-976-31	INDICATOR TUBE, FLUORESCENT	
R678	1-216-841-11	METAL CHIP 47K 5% 1/10W		M001	1-787-319-11	FAN, DC	
R686	1-216-833-11	METAL CHIP 10K 5% 1/10W		M741	A-4723-963-A	MOTOR ASSY, TABLE	
R687	1-216-837-11	METAL CHIP 22K 5% 1/10W		M751	A-4736-655-A	MOTOR ASSY, LOADING	
R688	1-216-841-11	METAL CHIP 47K 5% 1/10W		△ PT901	1-443-601-11	TRANSFORMER, POWER (GX355)	
		< SWITCH >		△ PT901	1-443-603-11	TRANSFORMER, POWER (GX555)	
S623	1-762-875-21	SWITCH, KEYBOARD (ALBUM -)		△ PT901	1-443-605-11	TRANSFORMER, POWER	
S624	1-762-875-21	SWITCH, KEYBOARD (ALBUM +)				(RG270: AEP, UK, EE, RU)	
S625	1-762-875-21	SWITCH, KEYBOARD (◀◀)		△ PT901	1-443-606-11	TRANSFORMER, POWER	
S626	1-762-875-21	SWITCH, KEYBOARD (▶▶)				(RG475: AEP, UK, EE, RU)	
S635	1-762-875-21	SWITCH, KEYBOARD (■)		△ PT901	1-443-608-11	TRANSFORMER, POWER	
S636	1-762-875-21	SWITCH, KEYBOARD (■■)				(E2, E3, E51, AR, AUS, SP)	
S637	1-762-875-21	SWITCH, KEYBOARD (▶▶)		△ PT901	1-443-610-11	TRANSFORMER, POWER (MX)	
S638	1-762-875-21	SWITCH, KEYBOARD (EQ BAND)		△ PT901	1-443-613-11	TRANSFORMER, POWER (EA)	
S660	1-478-473-11	ENCODER, ROTARY (MASTER VOLUME)		S101	1-771-853-11	SWITCH, DETECTION (LIMIT)	
				S711	1-477-680-12	ENCODER, ROTARY	
						(DISC TRAY ADDRESS DETECT)	

						ACCESSORIES	

				△	1-770-019-51	ADAPTOR, CONVERSION PLUG (UK, EA)	
				△	1-573-856-12	ADAPTOR, CONVERSION (E3)	
				△	1-569-007-11	ADAPTOR, CONVERSION (E51, SP)	

