

# CX-LDB10/LDB20

## SERVICE MANUAL

Ver. 1.0 2005.03



Photo : CX-LDB20

*AEP Model  
E Model*

*CX-LDB10/LDB20*

*Australian Model  
CX-LDB10*

CX-LDB10/LDB20 are the Amplifier, CD player, Tape Deck and Tuner section in XR-DB10/DB20.

CD Section	Model Name Using Similar Mechanism	HCD-NE5
	Base Unit Name	BU-K7BD81B
	Optical Pick-up Name	KSM-213EDP/C2NP
Tape deck Section	Model Name Using Similar Mechanism	HCD-NE5
	Tape Transport Mechanism Type	CMAL5Z220A

### SPECIFICATIONS

#### Amplifier section

##### CX-LDB20

DIN power output (rated): 35 + 35 W  
(6 ohms at 1 kHz, DIN)  
Continuous RMS power output (reference):  
40 + 40 W  
(6 ohms at 1 kHz, 10% THD)  
Music power output (reference):  
62 + 62 W

##### Inputs

AUDIO IN: Sensitivity 700 mV,  
impedance 47 kilohms

##### Outputs

PHONES: Accepts headphones with  
an impedance of 8 ohms or  
more

SPEAKER: Accepts impedance of 6 to  
16 ohms.

##### CX-LDB10

DIN power output (rated): 20 + 20 W  
(6 ohms at 1 kHz, DIN)  
Continuous RMS power output (reference):  
22.5 + 22.5 W  
(6 ohms at 1 kHz, 10% THD)

Music power output (reference):  
38 + 38 W

##### Inputs

AUDIO IN: Sensitivity 700 mV,  
impedance 47 kilohms

##### Outputs

PHONES: Accepts headphones with  
an impedance of 8 ohms or  
more

SPEAKER: Accepts impedance of 6 to  
16 ohms.

#### CD player section

Laser Diode Properties Emission duration:  
continuous  
Laser Output\*: Less than  
44.6  $\mu$ W

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

Frequency response 20 Hz – 20 kHz

#### Tape deck section

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

#### Tuner section

FM stereo, FM/AM superheterodyne tuner

##### FM tuner section

Tuning range 87.5 – 108.0 MHz  
Antenna FM lead antenna  
Antenna terminals 75 ohms unbalanced  
Intermediate frequency 10.7 MHz

##### AM tuner section

Pan-American model: 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 model: 531 – 1,602 kHz  
(with the tuning interval  
set at 9 kHz)

Other models: 530 – 1,710 kHz  
(with the tuning interval  
set at 10 kHz)  
531 – 1,602 kHz  
(with the tuning interval  
set at 9 kHz)

Antenna AM loop antenna, external  
antenna terminal

Intermediate frequency 450 kHz

— Continued on next page —

## MICRO HI-FI COMPONENT SYSTEM

## General

### Power requirements

European model:	AC 230 V, 50/60 Hz
Korean model:	AC 220 V, 60 Hz
Australian model:	AC 230 – 240 V, 50/60 Hz
Mexican model:	AC 120 V, 60 Hz
Argentine model:	AC 220 V, 50/60 Hz
Other models:	AC 110 – 120 V or 220 – 240 V, 50/60 Hz Adjustable with voltage selector

### Power consumption

CX-LDB20:	95 W 0.3 W (in Power Saving Mode)
CX-LDB10:	65 W 0.3 W (in Power Saving Mode)

Dimensions (w/h/d) excl. speakers	Approx. 160 × 230 × 255 mm
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### Mass excl. speakers

CX-LDB20:	Approx. 4.0 kg
CX-LDB10:	Approx. 3.8 kg

Design and specifications are subject to change without notice.

## Notes on chip component replacement

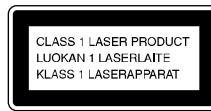
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

## Flexible Circuit Board Repairing

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

### CAUTION

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



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

## UNLEADED SOLDER

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

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



### LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.  
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.  
Soldering irons using a temperature regulator should be set to about 350 °C.  
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity  
Unleaded solder is more 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.

## 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.

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**SECTION 1  
SERVICING NOTES**

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

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

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

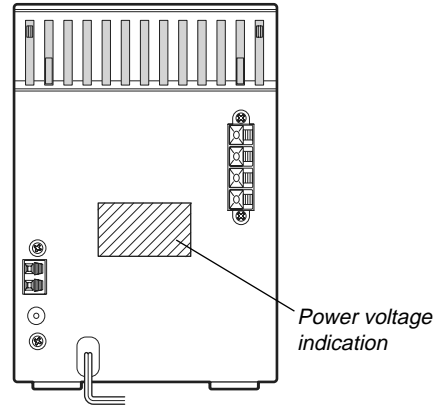
**NOTES ON LASER DIODE EMISSION CHECK**

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

**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 –**



<b>Model Name</b>	<b>Power Voltage Indication</b>
Mexican model	120 V AC, 60 Hz
AEP, Russian models	230 V AC, 50/60 Hz
Korean model	220 V AC, 50/60 Hz
Australian model	230 – 240 V AC, 50/60 Hz
Other models (E51, Singapore, Malaysia and Argentine models)	110 – 120 V or 220 – 240 V AC, 50/60Hz

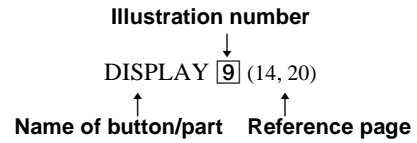
**SECTION 2  
GENERAL**

This section is extracted from instruction manual.

**List of button locations and reference pages**

How to use this page

Use this page to find the location of buttons and other parts of the system that are mentioned in the text.



Main unit

**ALPHABETICAL ORDER**

**A - H**

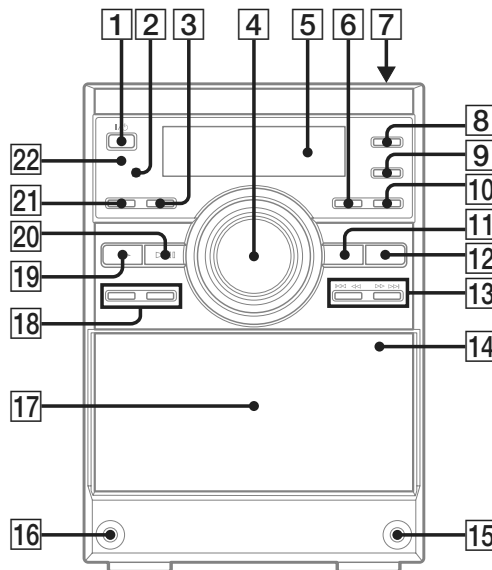
- AUDIO IN **8** (16, 22)
- AUDIO IN jack **15** (18, 22)
- BASS/TREBLE **10** (17)
- Cassette compartment **17**
- CD SYNC **21** (16)
- DISPLAY **9** (14, 20)
- Display window **5**
- FOLDER +/- **18** (10, 11, 16)

**I - Z**

- i-Bass **6** (17)
- OPEN (CD open/close) **7** (10)
- PHONES jack **16**
- Remote sensor **2**
- STANDBY indicator **22** (20, 23)
- TUNER/BAND **11** (12, 13)
- TUNING +/- **13** (12, 13, 17)
- VOLUME **4** (18, 22, 23, 25)

**BUTTON DESCRIPTIONS**

- I/⏻ (power) **1** (7, 18, 19, 25)
- REC PAUSE/START **3** (16)
- (stop) **12** (10, 16, 25)
- ◀◀◀/▶▶▶ (skip back/skip forward, rewind/fast forward) **13** (10, 11, 15)
- ▲ PUSH OPEN (tape open/close) **14** (15)
- TAPE/▶ (play) **19** (15)
- CD/▶|| (play/pause) **20** (10, 11, 24)



Remote control

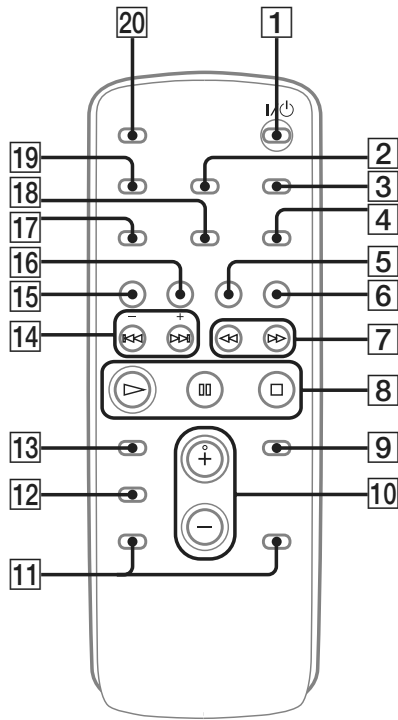
ALPHABETICAL ORDER

- A - O
- CD **16** (9, 11)
  - CLEAR **13** (11)
  - CLOCK/TIMER SELECT **2** (18, 19, 23)
  - CLOCK/TIMER SET **3** (8, 18, 19)
  - DISPLAY **19** (14, 20)
  - ENTER **9** (8, 11, 12, 18, 19)
  - EQ **12** (17)
  - FM MODE **4** (14, 24)
  - FOLDER +/- **11** (10, 11, 16)
  - FUNCTION **6** (22, 25)

- P - Z
- PLAY MODE **18** (9, 11, 24)
  - REPEAT **4** (10)
  - SLEEP **20** (17)
  - TAPE **15** (15)
  - TUNER/BAND **5** (12, 13)
  - TUNER MEMORY **17** (12)
  - TUNING MODE **18** (12, 13)
  - VOLUME +/- **10** (18, 23)

BUTTON DESCRIPTIONS

- I/⏻ (power) **1** (7, 18, 19, 25)
- ◀◀/▶▶ (rewind/fast forward) **7** (10, 15)
- (stop) **8** (10, 16, 25)
- ⏸ (pause) **8** (10, 15)
- ▶ (play) **8** (9, 11, 19)
- +/- (tuning) **14** (12, 13)
- ◀◀/▶▶ (go back/go forward) **14** (8, 10, 11, 18, 19)



**Setting the clock**

Use buttons on the remote for the operation.

- 1** Press I/⏻ to turn on the system.
- 2** Press CLOCK/TIMER SET.
- 3** Press ◀◀ or ▶▶ repeatedly to set the hour.
- 4** Press ENTER.
- 5** Press ◀◀ or ▶▶ repeatedly to set the minute.
- 6** Press ENTER.  
The clock starts working.

To adjust the clock

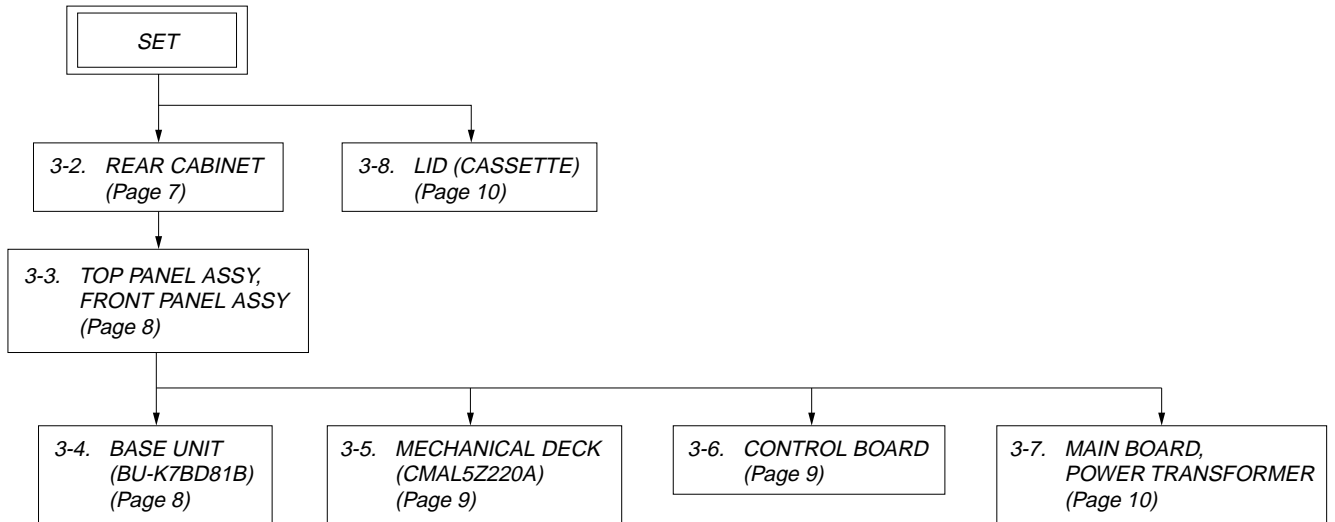
- 1** Press CLOCK/TIMER SET.
- 2** Press ◀◀ or ▶▶ until "CLOCK" appears, then press ENTER.
- 3** Do the same procedures as step 3 to 6 above.

Note  
The clock is not displayed in Power Saving Mode (page 20).

## SECTION 3 DISASSEMBLY

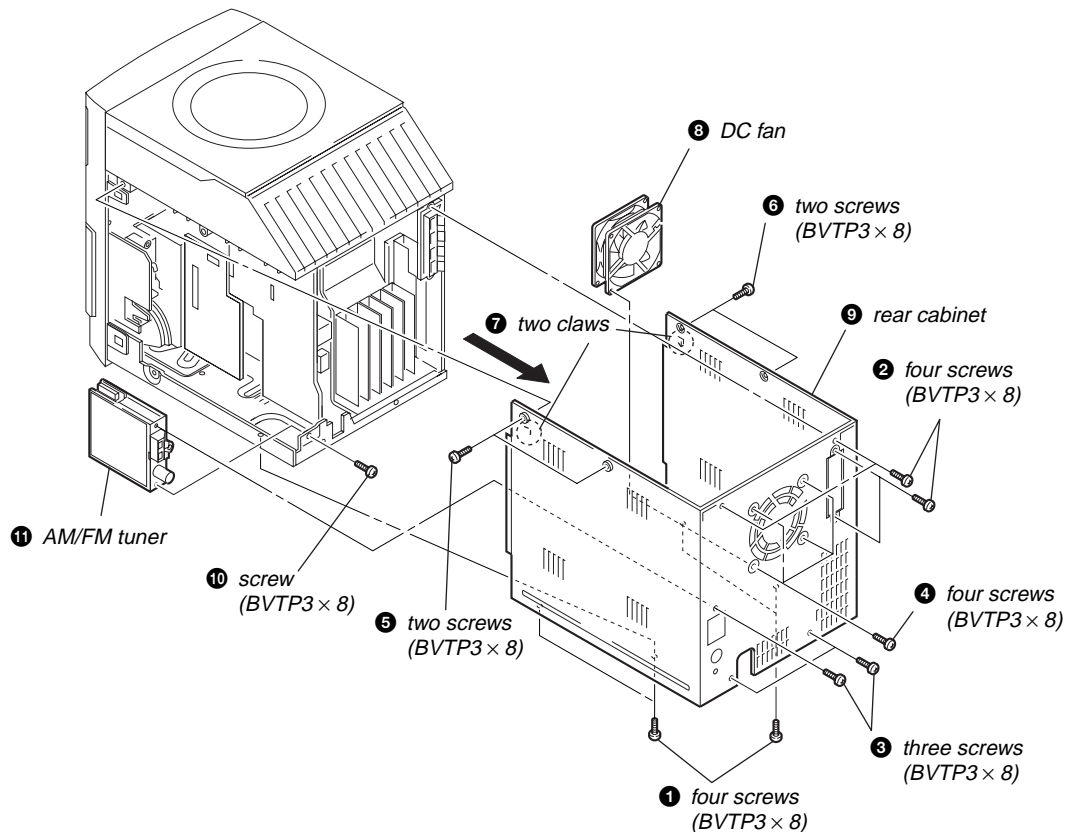
- This set can be disassembled in the order shown below.

### 3-1. DISASSEMBLY FLOW

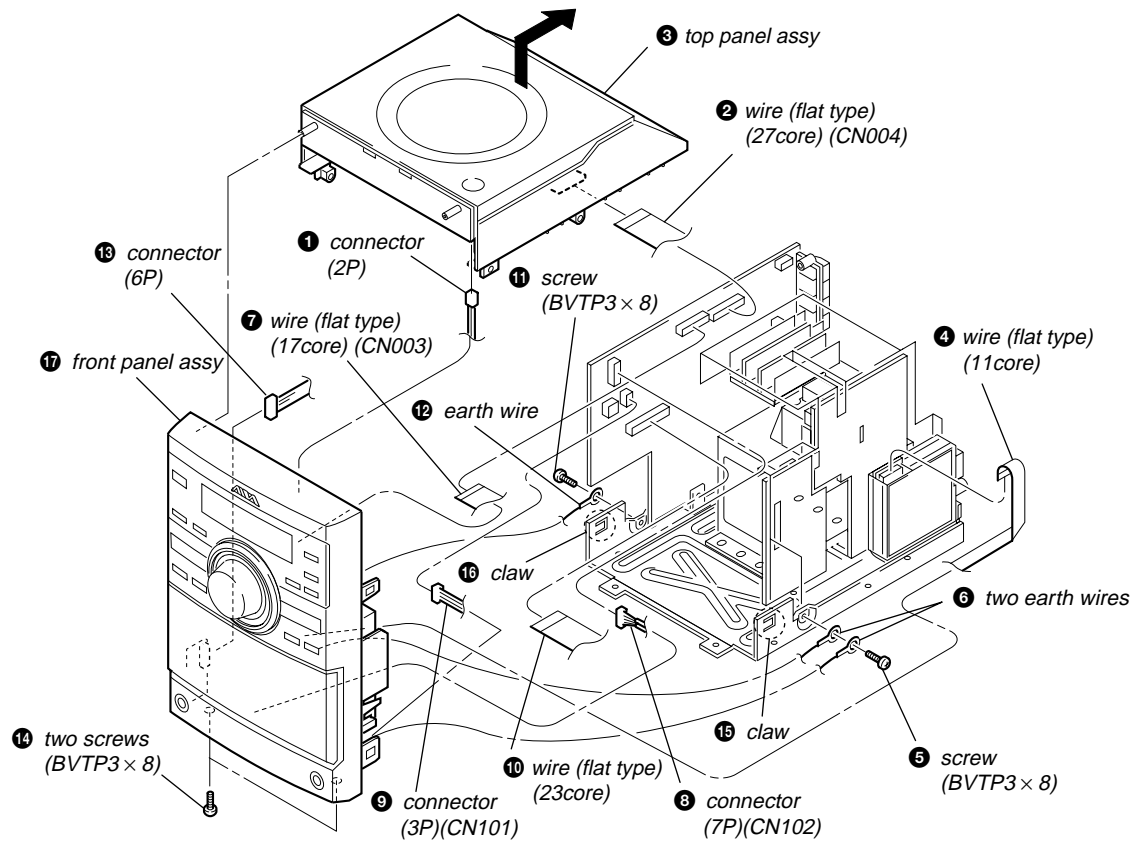


**Note:** Follow the disassembly procedure in the numerical order given.

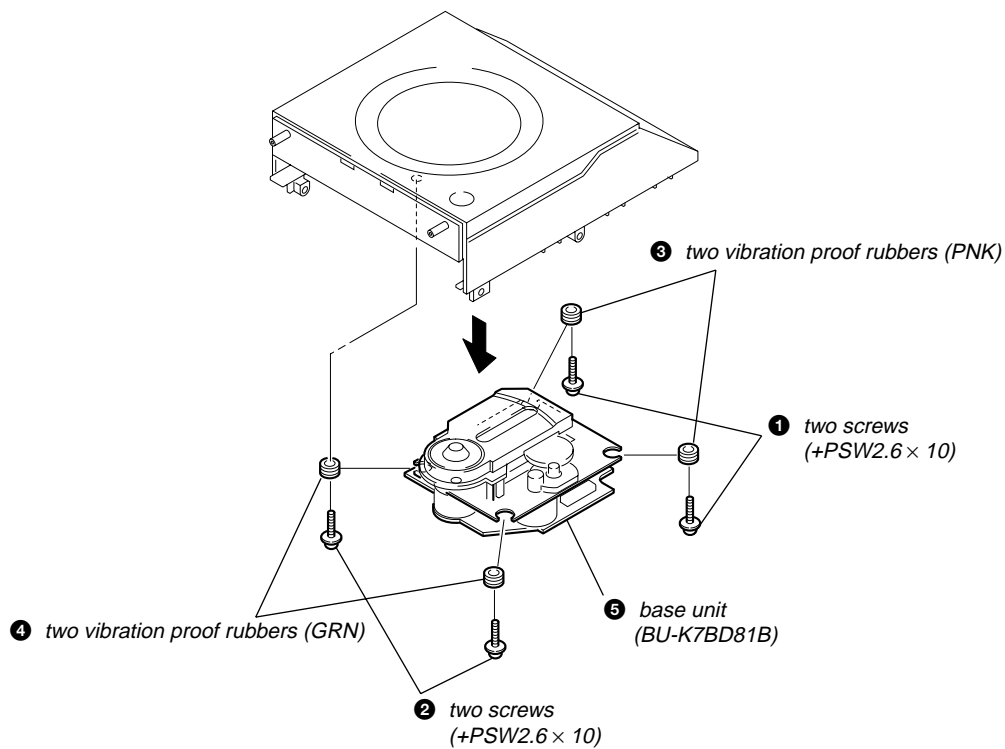
### 3-2. REAR CABINET



3-3. TOP PANEL ASSY, FRONT PANEL ASSY

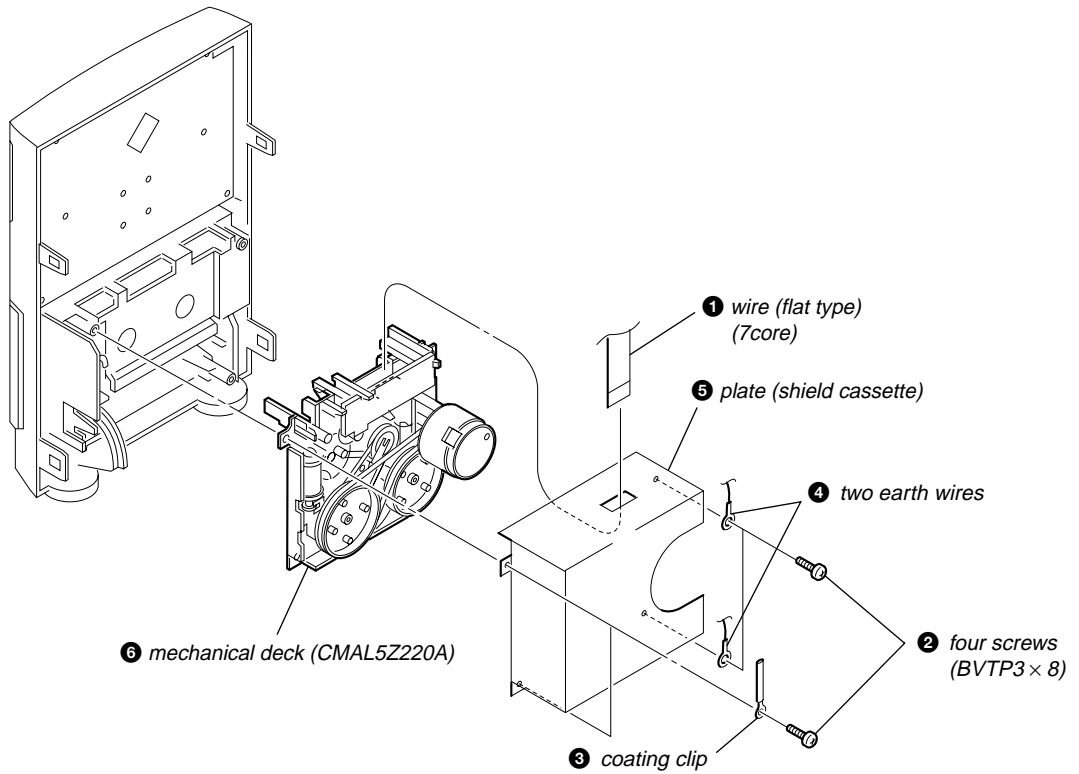


3-4. BASE UNIT (BU-K7BD81B)

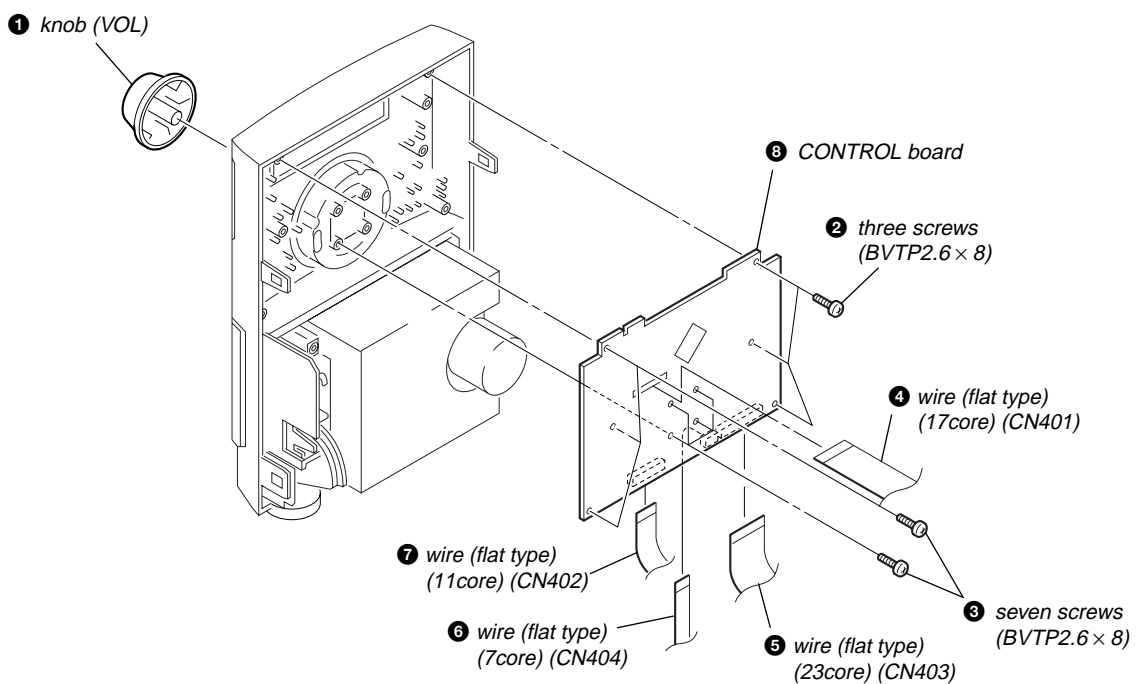




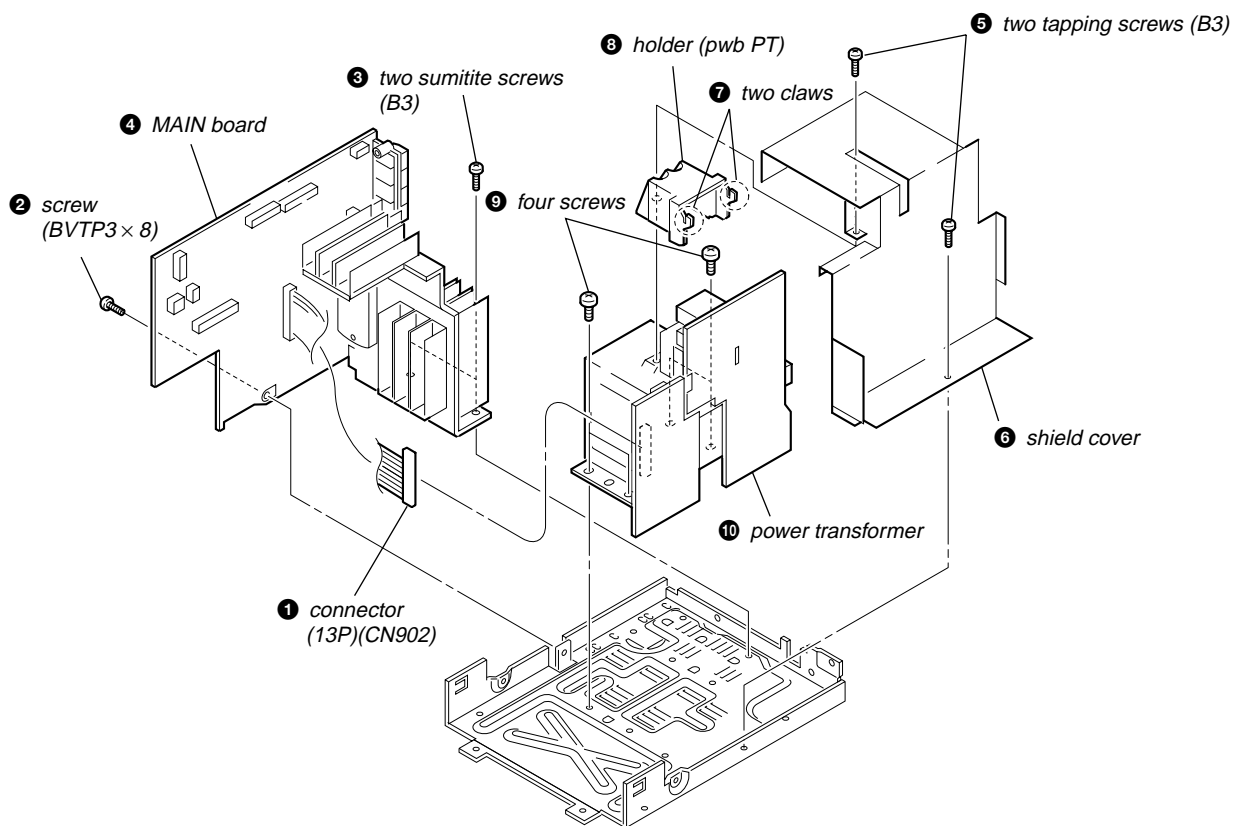
3-5. MECHANICAL DECK (CMAL5Z220A)



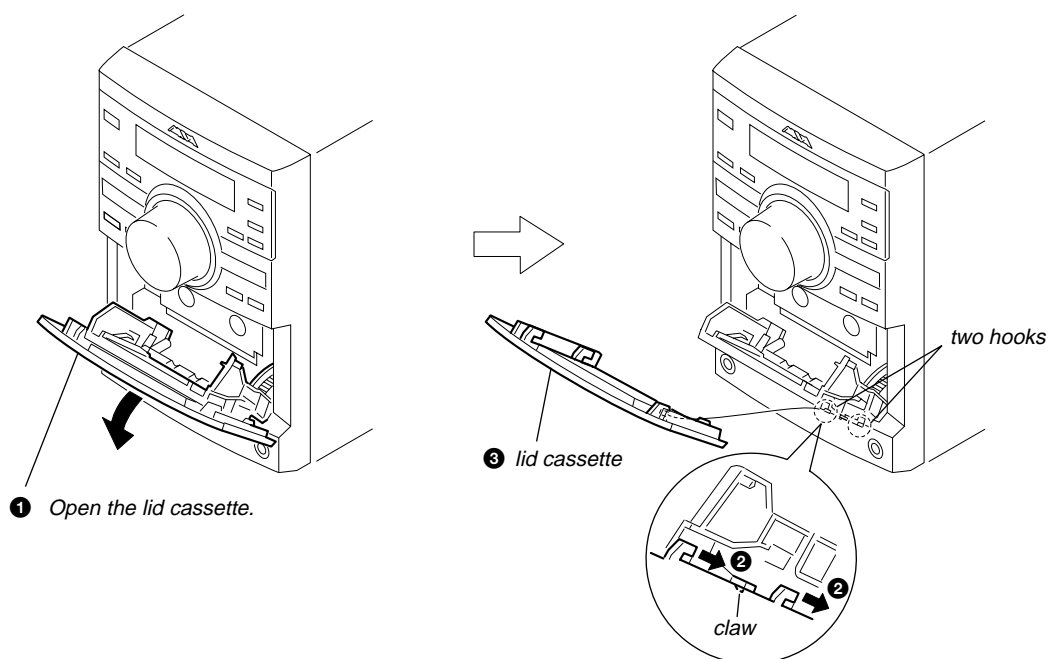
3-6. CONTROL BOARD



3-7. MAIN BOARD, POWER TRANSFORMER



3-8. LID (CASSETTE)




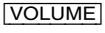


## SECTION 4 TEST MODE

### COLD RESET

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


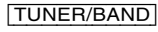



#### Procedure:

- Press the  button to turn the set ON.
- Press three buttons ,  and  down simultaneously.
- The message "RESET" is displayed and the set is reset.

### TUNER STEP CHANGE







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

#### Procedure:

- Press the  button to turn the set ON.
- Select the function "TUNER", and press  button to select the BAND "AM".
- Press the  button to turn the set OFF.
- Press the  and  buttons simultaneously, and thus the channel step is changed over.

### SHIP RESET



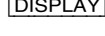

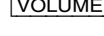
#### Procedure:

- Press the  button to turn the set ON.
- Press the  button to select "CD"
- Remove the disc.
- The message "NO DISC" is displayed.
- Press three buttons ,  and  down simultaneously.
- The message "SHIP RESET" is displayed and the set is reset. The CD function is activated.
- To exit from this mode, press the  button and pull out the AC plug.

### PANEL TEST MODE

- This mode is used to check the software version, LCD, LED and keyboard.

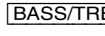
#### Procedure:

- Press the  button to turn the set ON.
- Press the  button to select "CD"
- Press three buttons ,  and  down simultaneously.
- When the panel test mode is activated, all segments are turned on.

### VERSION DISPLAY


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

#### Procedure:

- When the panel test mode is activated, press the button , the model and destination are displayed.





### KEY TEST MODE

#### Procedure:

- When the panel test mode is activated, press the  button, to select the key test mode.
- To enter the KEY test mode, the fluorescent indicator displays "K0 VO". Each time a button is pressed, "KEY" value increases. However, once a button is pressed, it is no longer taken into account. When all keys are pressed correctly, "K15 VO" is displayed.
- To exit from this mode, pull out the AC plug.

### CD Repeat 5 Times Limit Release Mode

#### Procedure:

- Press the  button to turn the set ON.
- Set the function to "CD".
- Press three buttons , , and  down simultaneously.
- The repeat all mark blinks and then repeat 5 times limit is released.

**SECTION 5  
MECHANICAL ADJUSTMENTS**

**TAPE MECHANISM DECK SECTION**

**Precaution**

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

**Torque Measurement**

Mode	Torque meter	Meter reading
FWD	CQ-102C	2.94 mN • m to 7.84 mN • m 31 to 71 g • cm (0.43 – 0.98 oz • inch)
FWD back tension	CQ-102C	0.14 mN • m to 0.59 mN • m 2 to 6 g • cm (0.02 – 0.08 oz • inch)
FF/REW	CQ-201B	6.86 mN • m to 17.64 mN • m 71 to 143 g • cm (0.98 – 1.99 oz • inch)
FWD tension	CQ-403A	more than 0.98 N • m 100 g or more (3.53 oz or more)

**SECTION 6  
ELECTRICAL ADJUSTMENTS**

**DECK SECTION**

0 dB = 0.775 V

**Precaution**

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

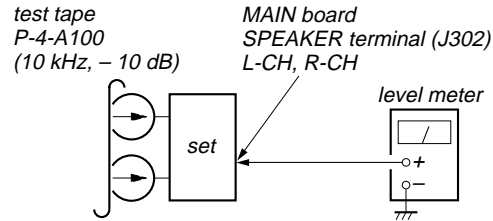
**Test Tape**

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

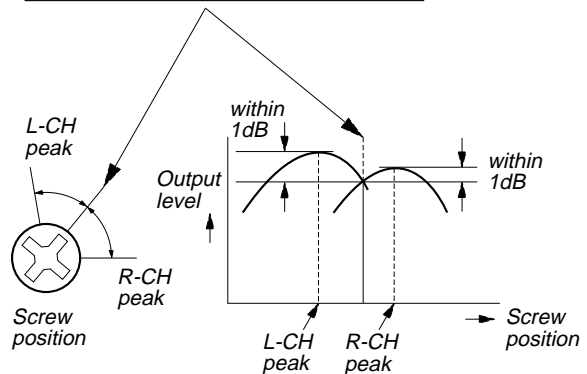
**Record/Playback Head Azimuth Adjustment**

**Procedure:**

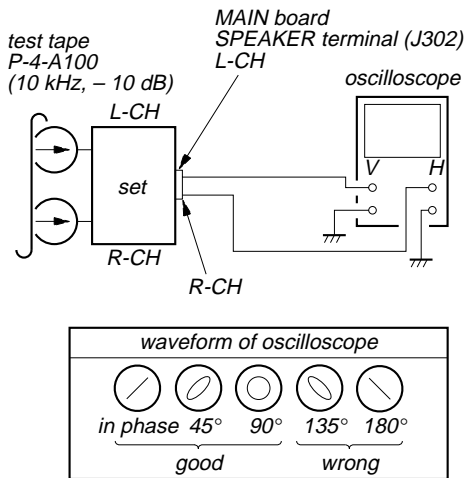
1. Mode: Playback



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



3. Mode: Playback

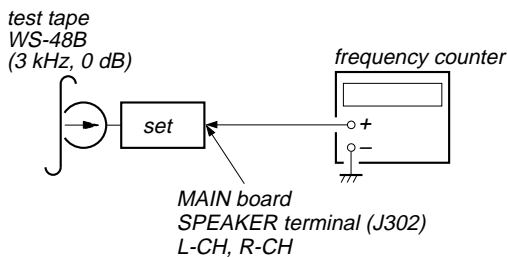


4. After the adjustments, apply suitable locking compound to the parts adjusted.

**Adjustment Location:** Record/Playback/Erase Head

**Tape Speed Check**

Mode: Playback



1. Insert the WS-48B into the deck.
2. Press the button on the deck.
3. Confirm that the frequency counter reads  $3,000 \pm 90$  Hz.

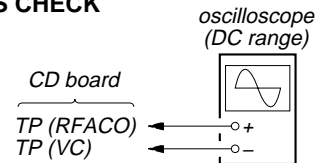
**Sample value of Wow and Flutter:** 0.3% or less W.RMS (JIS) (WS-48B)

**CD SECTION**

**Note:**

1. CD Block is basically constructed to operate without adjustment.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than  $10\text{ M}\Omega$  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.
5. Check the focus bias check when optical block is replaced.

**FOCUS BIAS CHECK**



**Adjustment and Connecting Location:** CD board (See page 14)

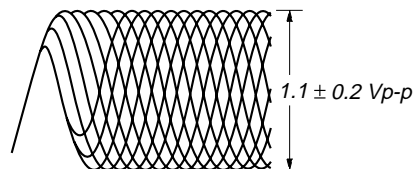
**Procedure :**

1. Connect the oscilloscope to TP (RFACO) and TP (VC) on the CD board.
2. Insert the disc (YEDS-18). (Part No. : 3-702-101-01)
3. Press the button.
4. Confirm that the oscilloscope waveform is as shown in the figure below. (eye pattern)

A good eye pattern means that the diamond shape ( $\diamond$ ) in the center of the waveform can be clearly distinguished.

**• RF signal reference waveform (eye pattern)**

VOLT/DIV: 0.2 V (with the 10: 1 probe in use.)  
TIME/DIV: 500 ns

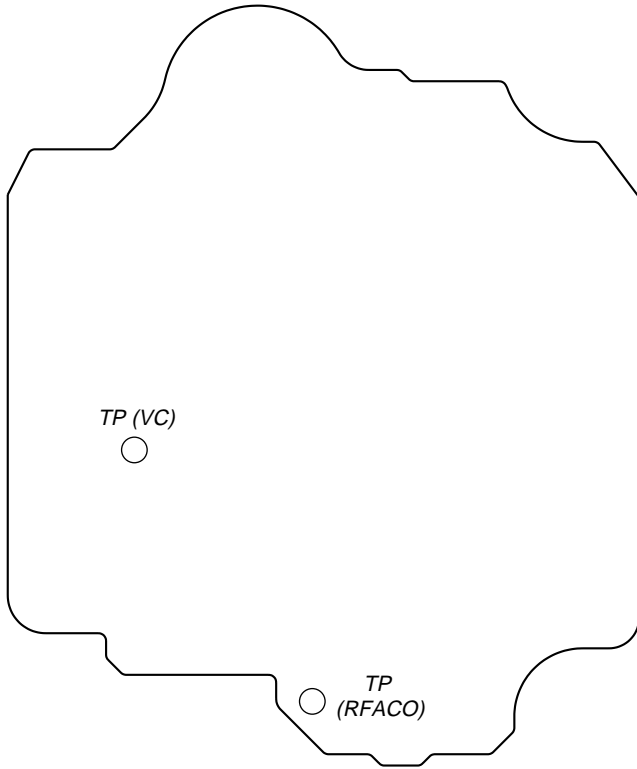


When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

# CX-LDB10/LDB20

## Checking Location:

– CD BOARD (Conductor Side) –



## SECTION 7 DIAGRAMS

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

**For Schematic Diagrams.**

**Note:**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. (p: pF). 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $1/4\text{ W}$  or less unless otherwise specified.
- $\Delta$  : internal component.
- : panel designation.

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

- — : B+ Line.
- - - - : B- Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. no mark: CD STOP
- Voltages are taken with a VOM (Input impedance 10 M $\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  - : TUNER
  - : CD PLAY
  - : TAPE PLAY
  - : TAPE REC
  - : AUX IN
- Abbreviation
  - AUS : Australian model
  - AR : Argentine model
  - E51 : Chilean and peruvian models
  - KR : Korea model
  - MX : Mexican model
  - MY : Malaysia model
  - RU : Russian model
  - SP : Singapore model

**For Printed Wiring Boards.**

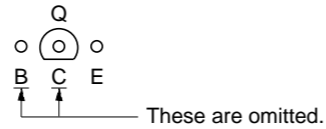
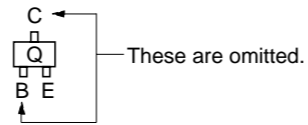
**Note:**

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : indicates side identified with part number.
- $\Delta$  : internal component.
- : Pattern from the side which enables seeing. (The other layers' patterns are not indicated.)

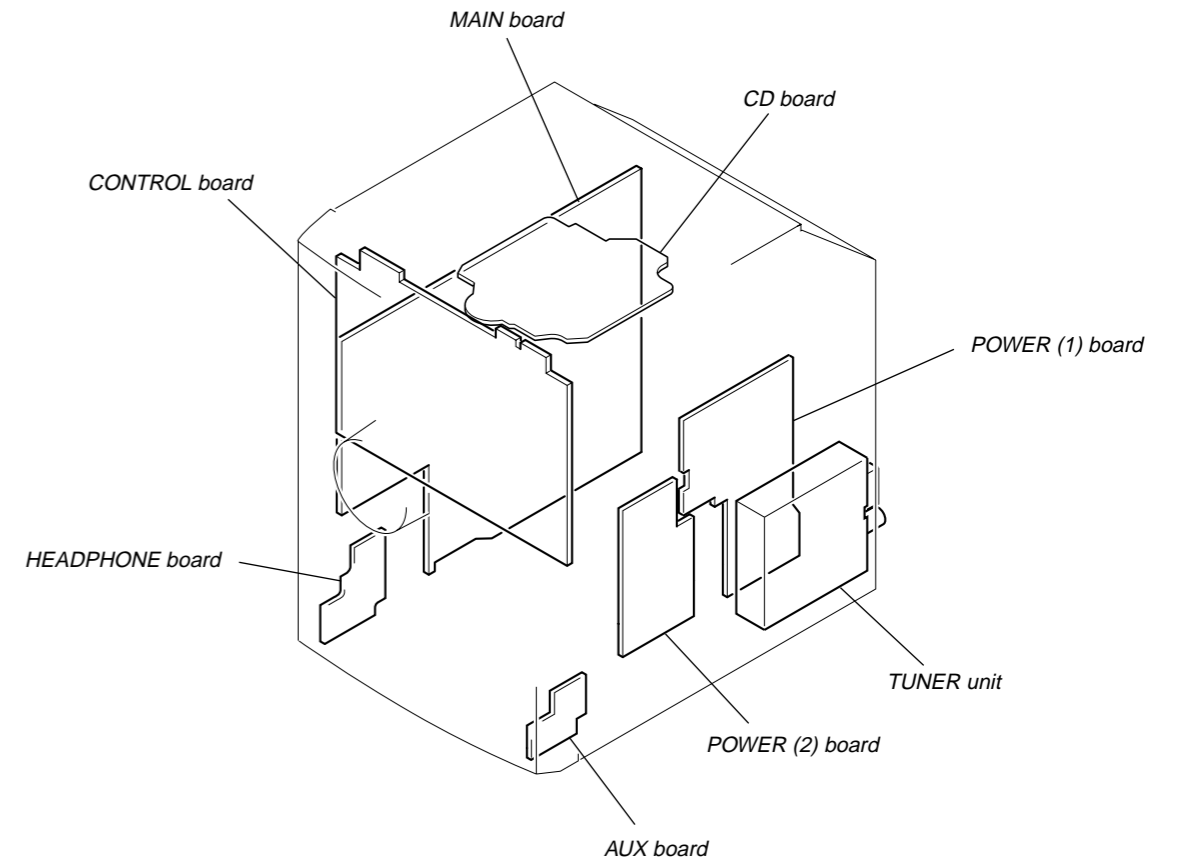
**Caution:**

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

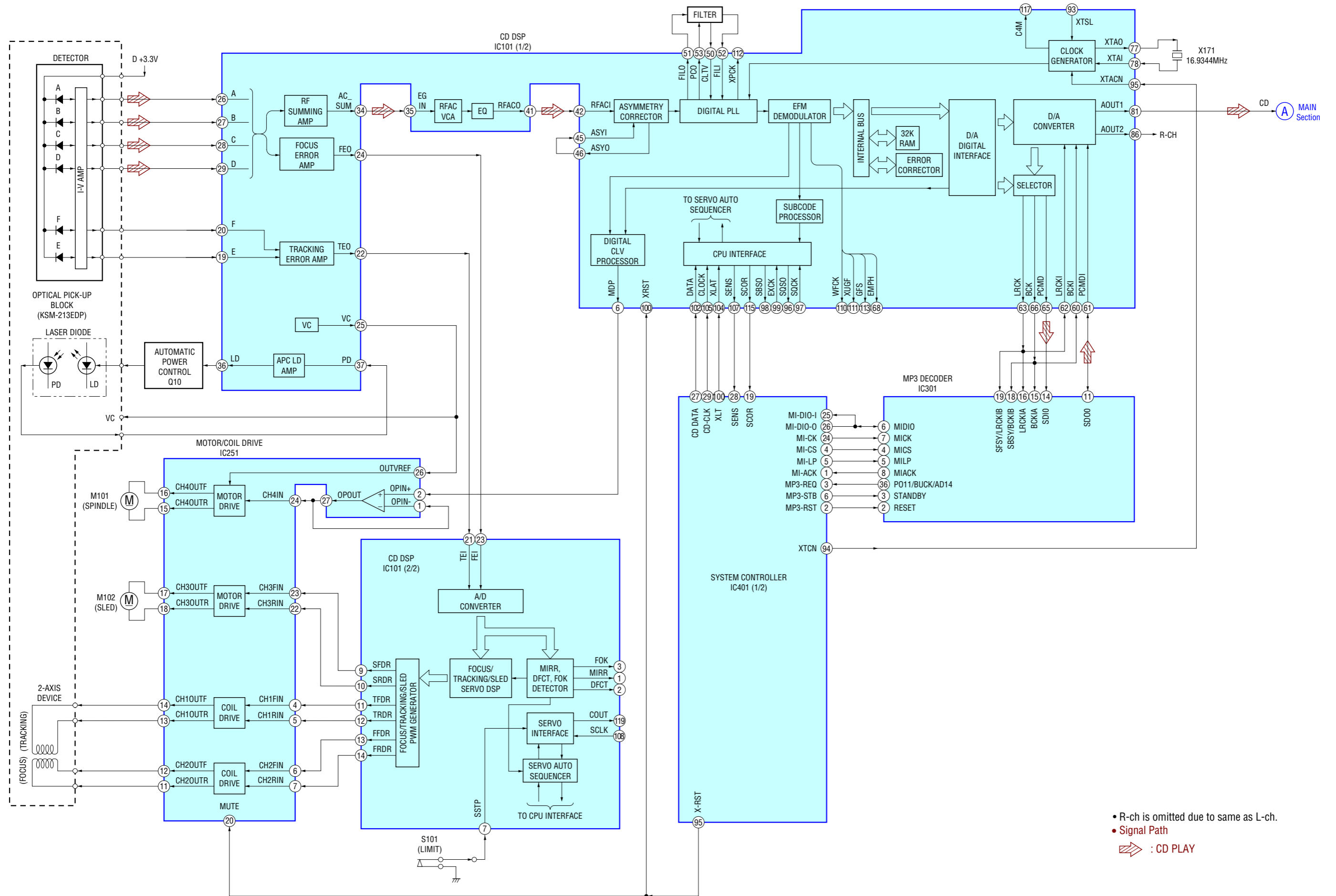
- Indication of transistor.



• **Circuit Boards Location**



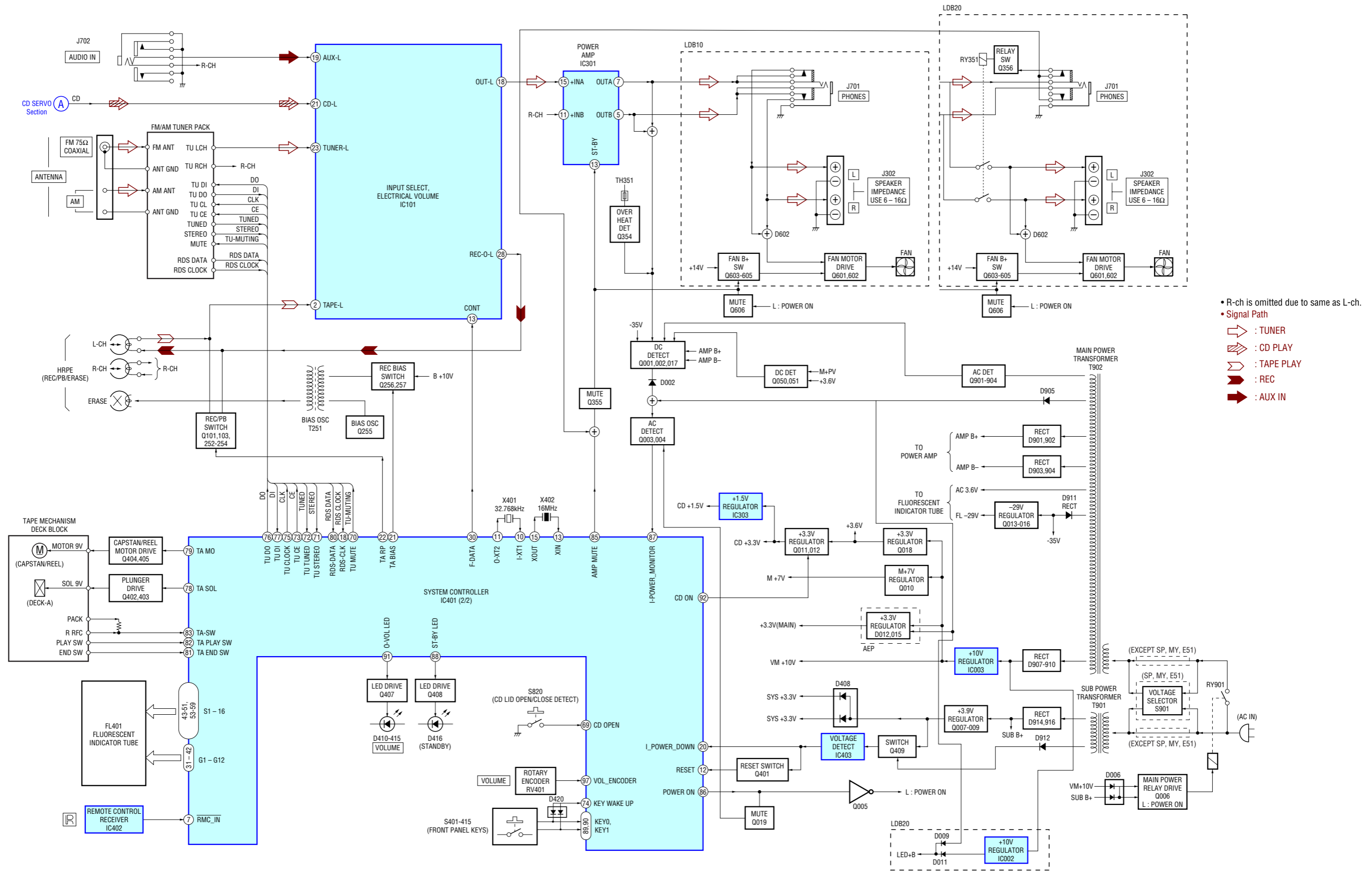
7-1. BLOCK DIAGRAM — CD SECTION —



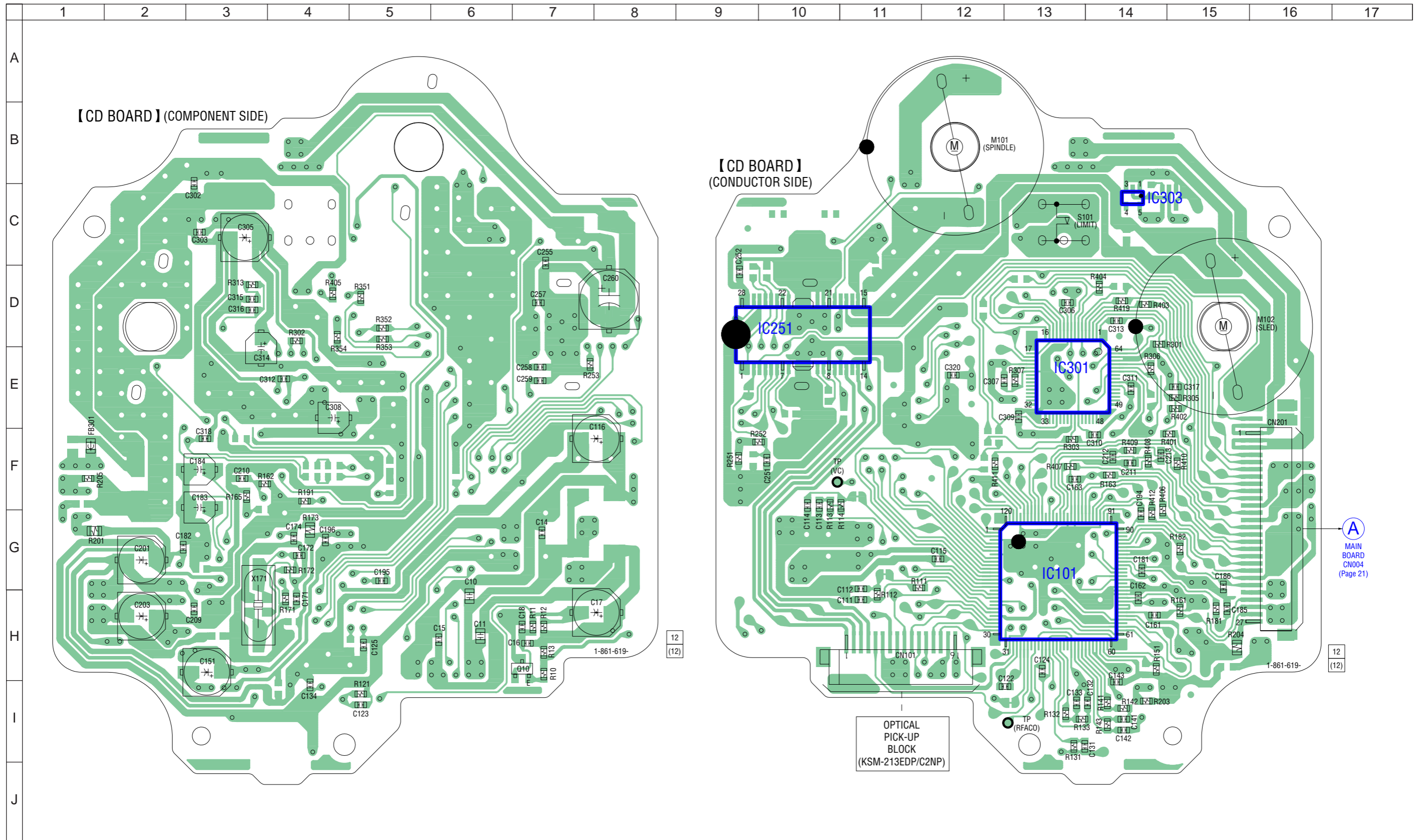
• R-ch is omitted due to same as L-ch.  
 • Signal Path  
 : CD PLAY



7-2. BLOCK DIAGRAM — MAIN SECTION —



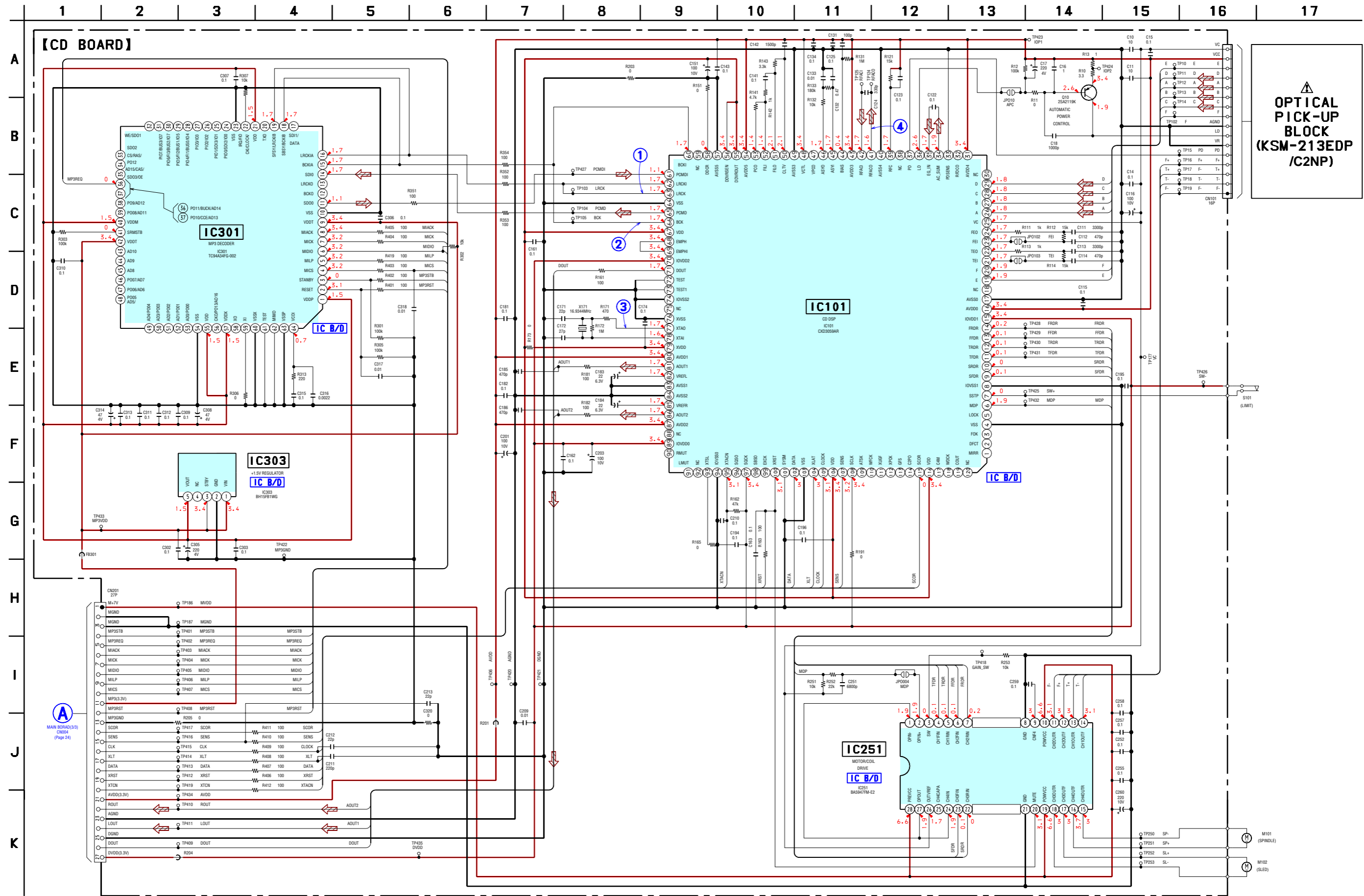
- R-ch is omitted due to same as L-ch.
- Signal Path
- ➡ : TUNER
- ➡ : CD PLAY
- ➡ : TAPE PLAY
- ➡ : REC
- ➡ : AUX IN

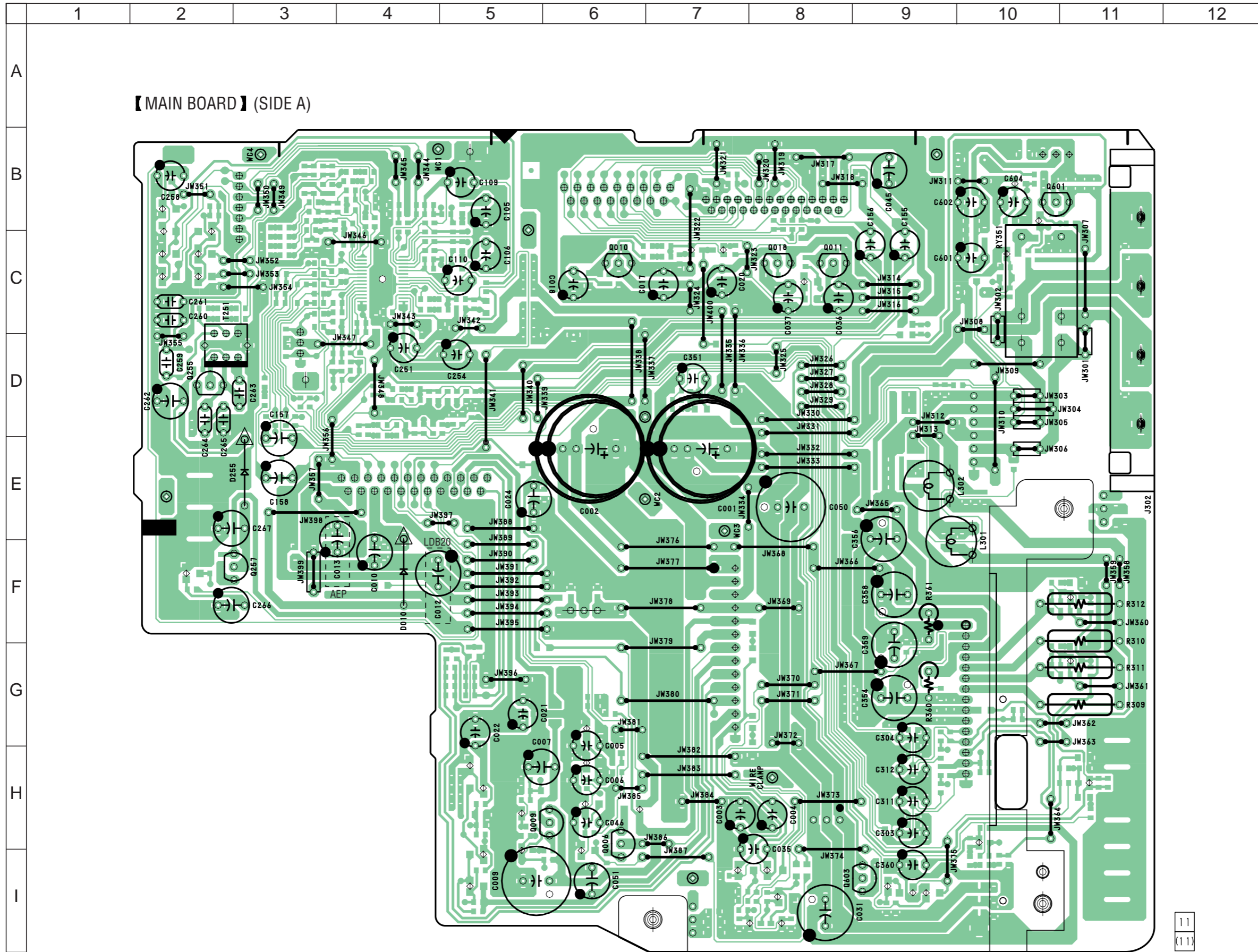


• Semiconductor Location

Ref. No.	Location
IC101	G-13
IC251	D-10
IC301	D-13
IC303	B-14
Q10	F-7

7-4. SCHEMATIC DIAGRAM — CD BOARD — • See page 32, 33 and 34 for IC Block Diagrams. • See page 31 for Waveforms.





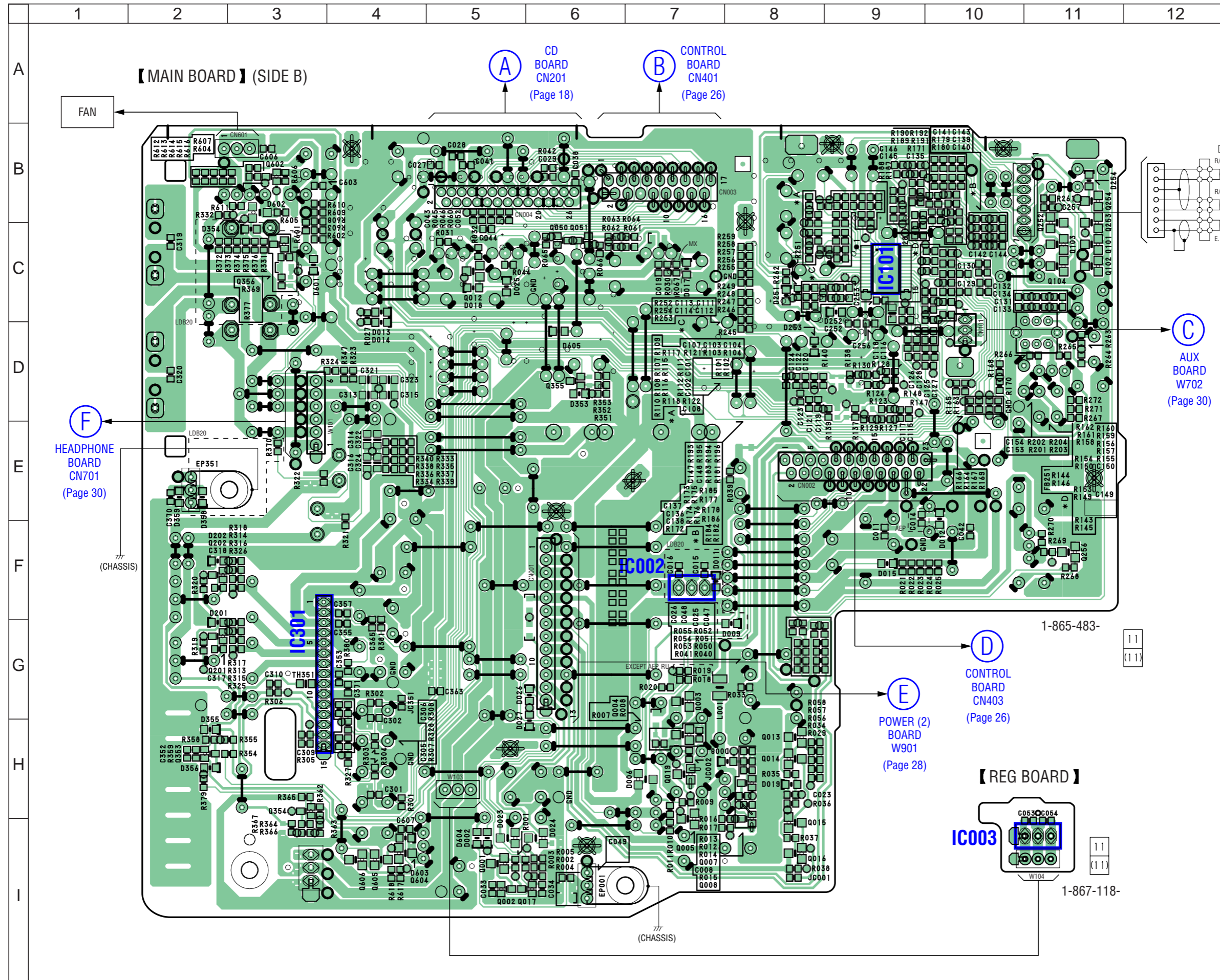
• Semiconductor Location

Ref. No.	Location
D010	F-4
D255	E-3
Q006	H-6
Q009	H-6
Q010	C-6
Q011	C-8
Q018	C-8
Q255	D-2
Q257	F-3
Q601	B-11
Q603	I-8

11  
(11)

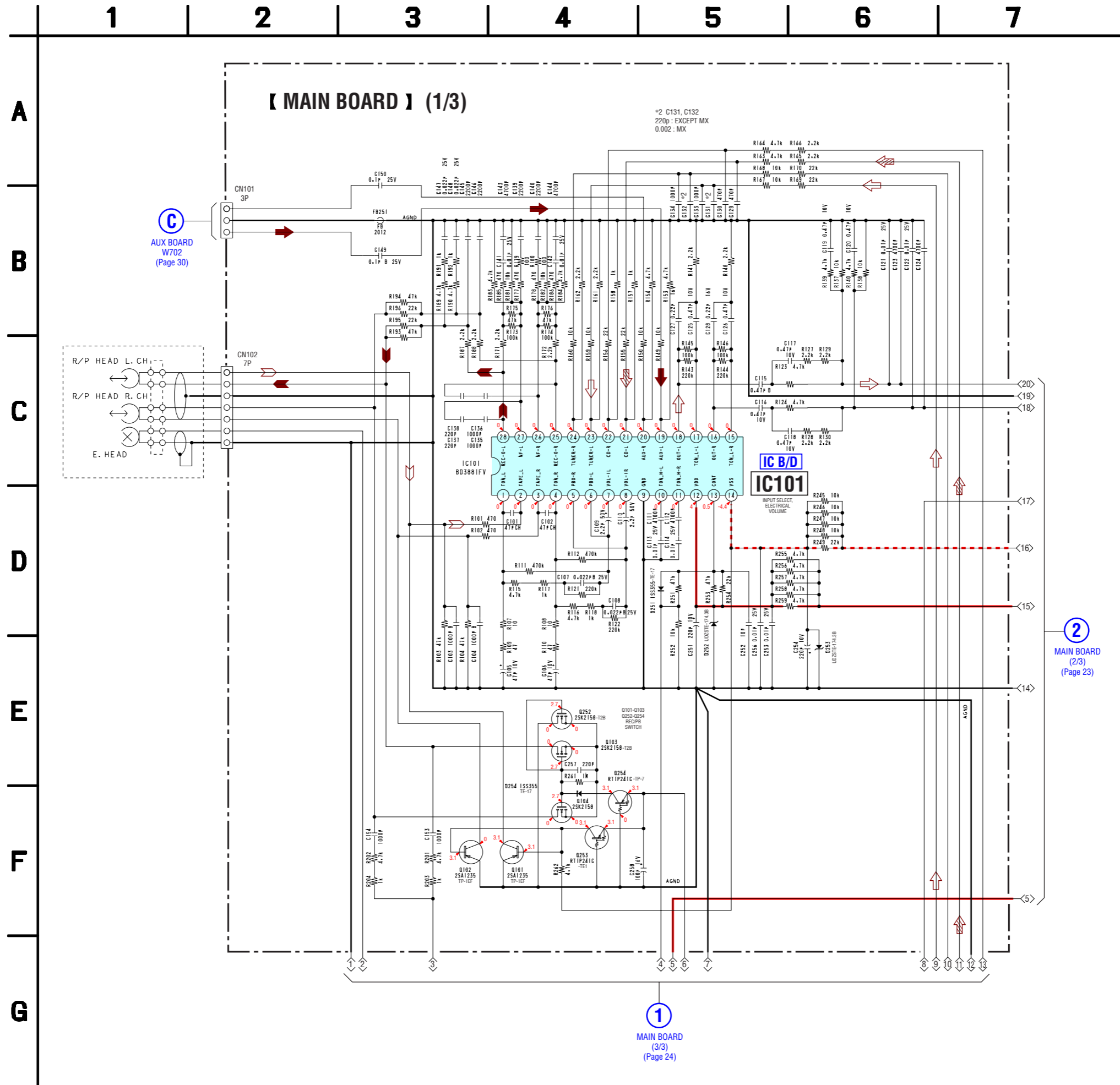
1-865-483-

7-6. PRINTED WIRING BOARD — MAIN SECTION (2/2) — • See page 15 for Circuit Boards Location.  :Uses unleaded solder.

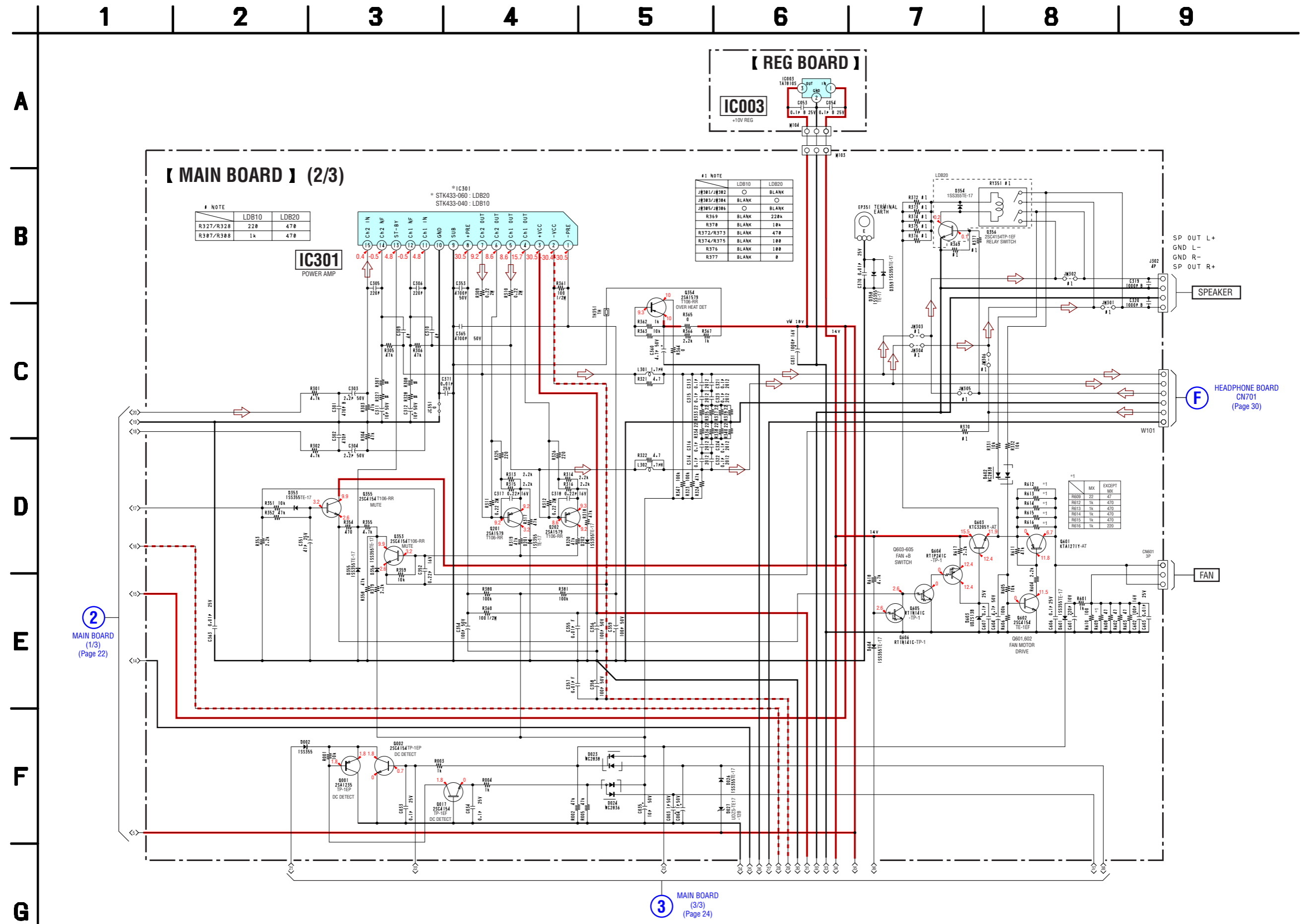


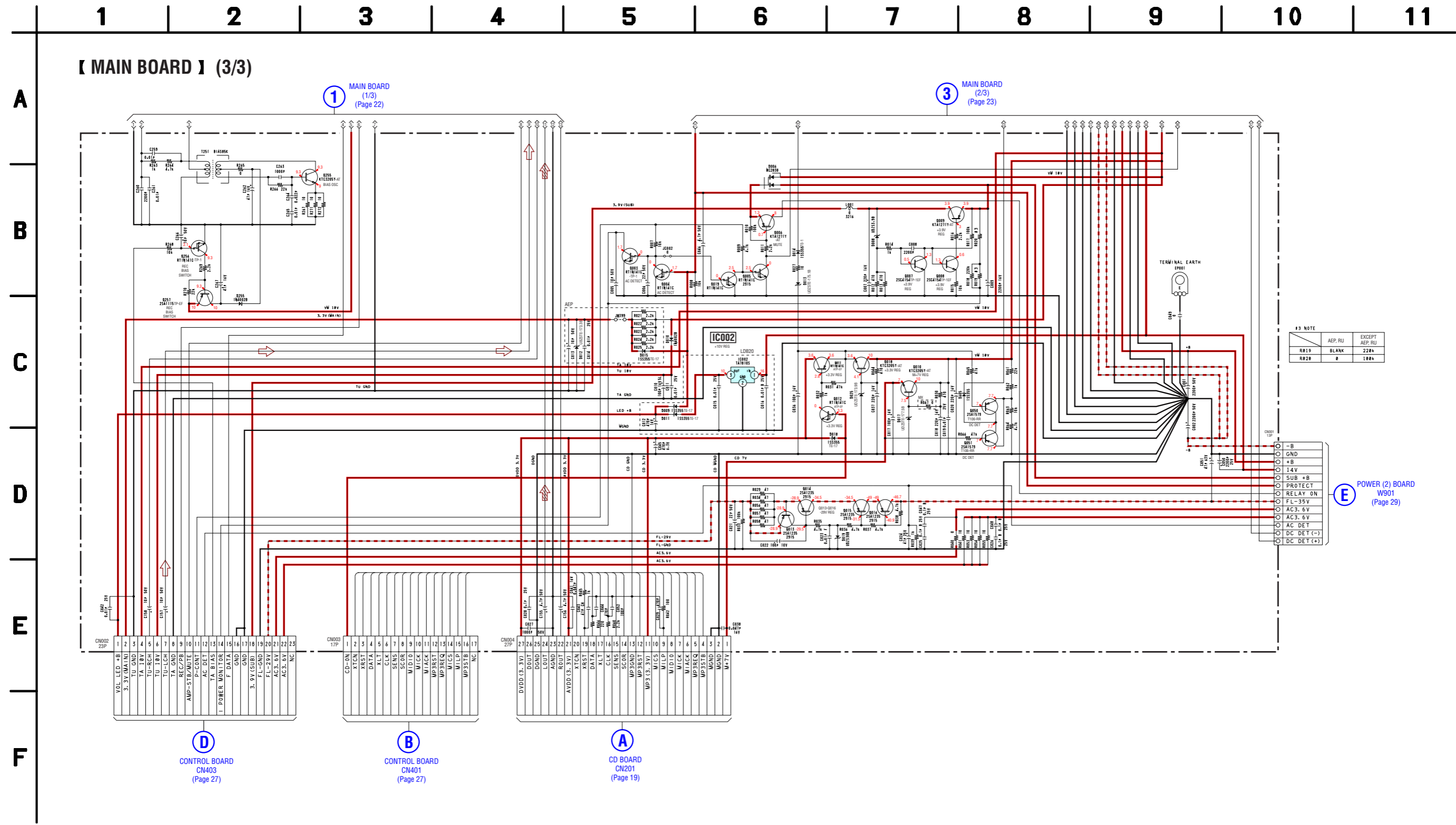
• Semiconductor Location

Ref. No.	Location
D002	I-5
D006	H-7
D008	H-7
D009	G-8
D011	F-7
D012	F-10
D013	C-4
D014	D-4
D015	F-9
D017	C-7
D018	C-5
D019	H-8
D023	I-5
D024	I-6
D025	C-5
D026	G-6
D027	G-6
D201	G-2
D202	F-2
D251	C-8
D252	C-9
D253	D-8
D254	B-11
D353	D-6
D354	C-3
D355	H-2
D356	H-2
D358	E-2
D359	E-2
D601	C-3
D602	B-3
D603	I-4
D604	I-5
D605	D-6
IC002	F-7
IC003	I-11
IC101	C-9
IC301	G-3
Q001	I-5
Q002	I-5
Q003	G-7
Q004	H-7
Q005	I-7
Q007	H-8
Q008	I-8
Q012	C-5
Q013	H-8
Q014	H-8
Q015	I-8
Q016	I-8
Q017	I-6
Q019	H-7
Q050	C-6
Q051	C-6
Q101	C-11
Q102	C-11
Q103	C-11
Q104	C-11
Q201	G-2
Q202	F-2
Q252	B-11
Q253	B-11
Q254	B-11
Q256	F-11
Q353	H-2
Q354	H-3
Q355	D-6
Q356	C-3
Q602	B-3
Q604	I-4
Q605	I-4
Q606	I-4

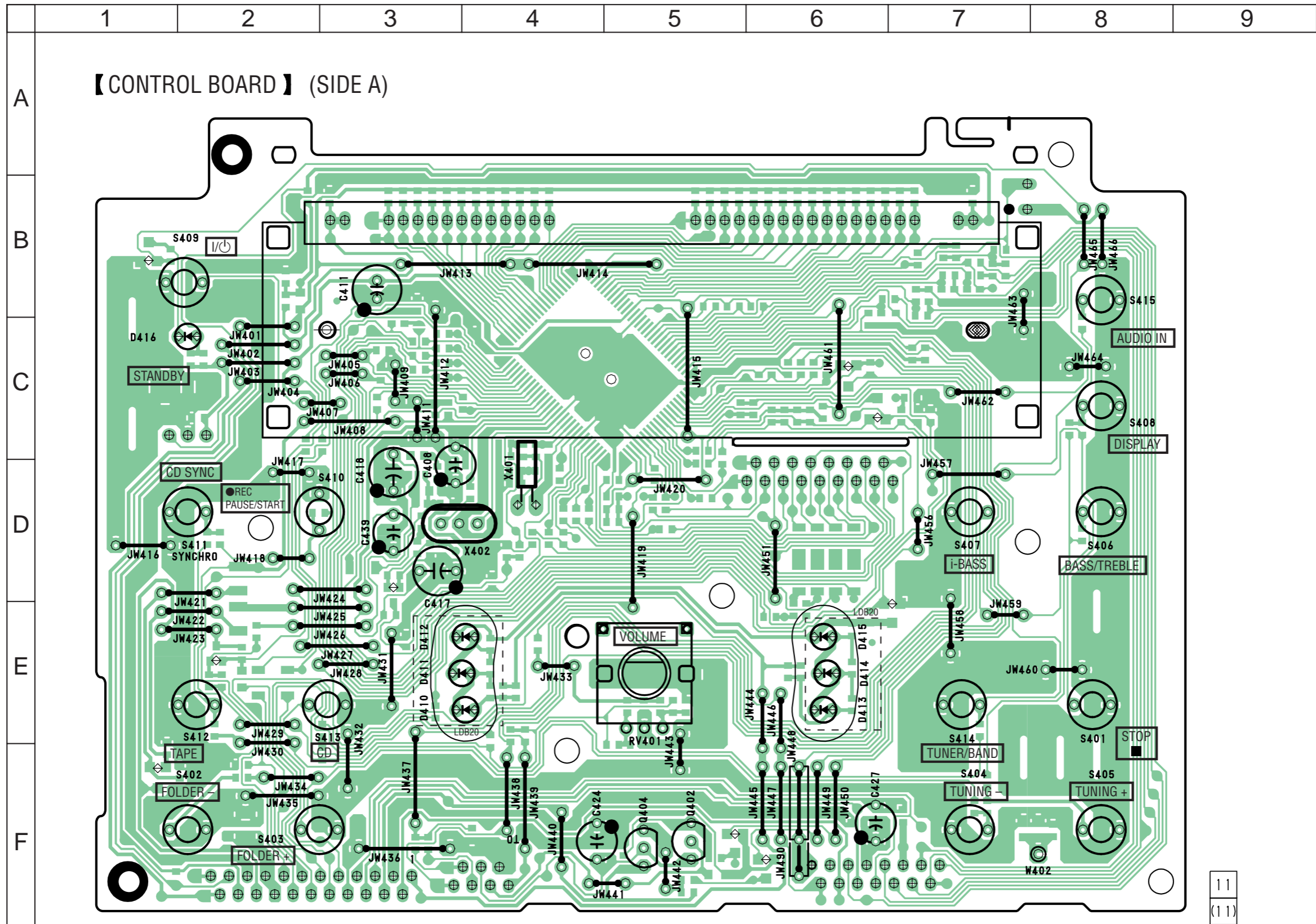


7-8. SCHEMATIC DIAGRAM — MAIN SECTION (2/3) —





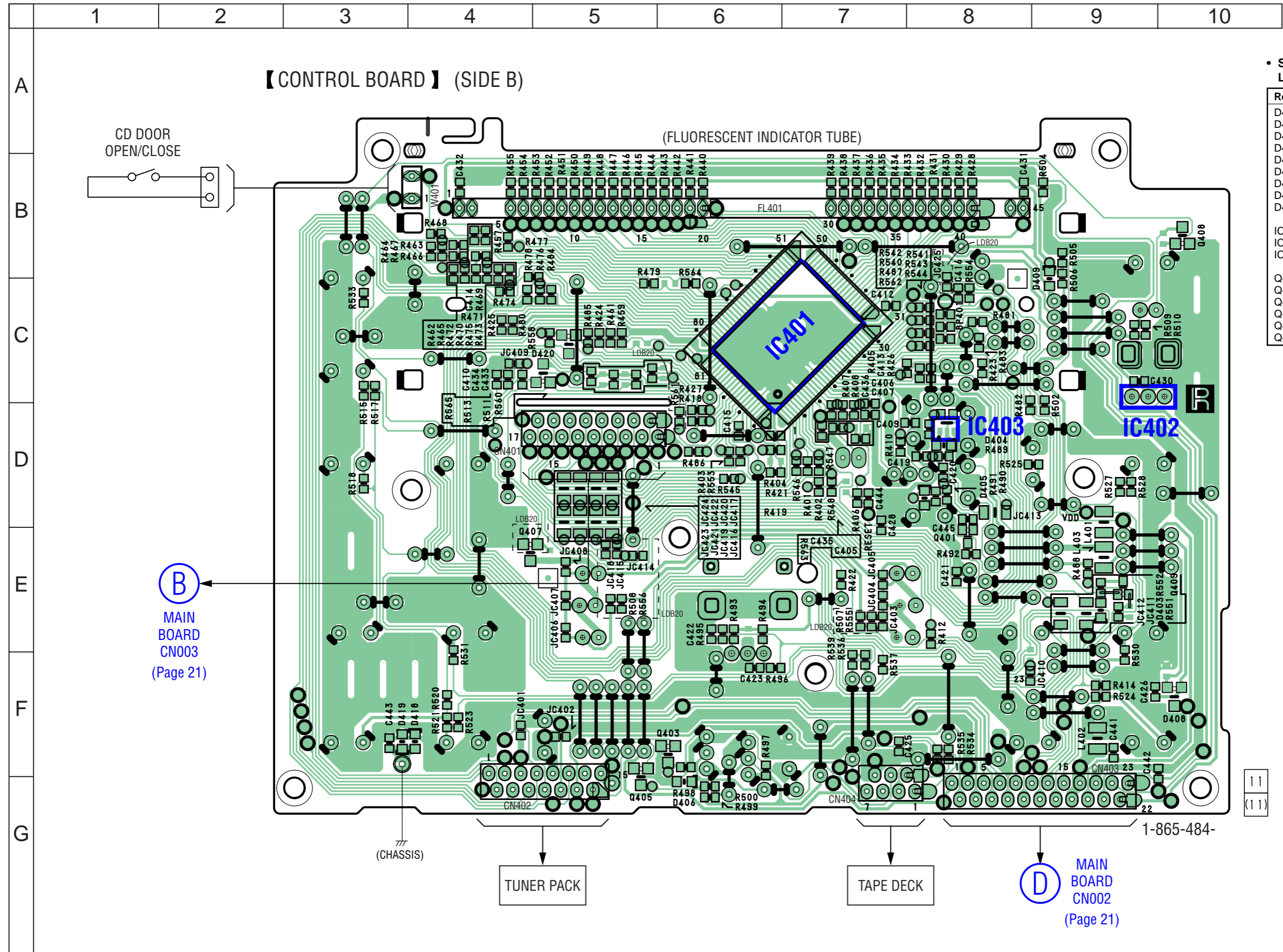




• Semiconductor Location

Ref. No.	Location
D410	E-4
D411	E-4
D412	E-4
D413	E-6
D414	E-6
D415	E-6
D416	C-2
Q402	F-5
Q404	F-5

1-865-484-

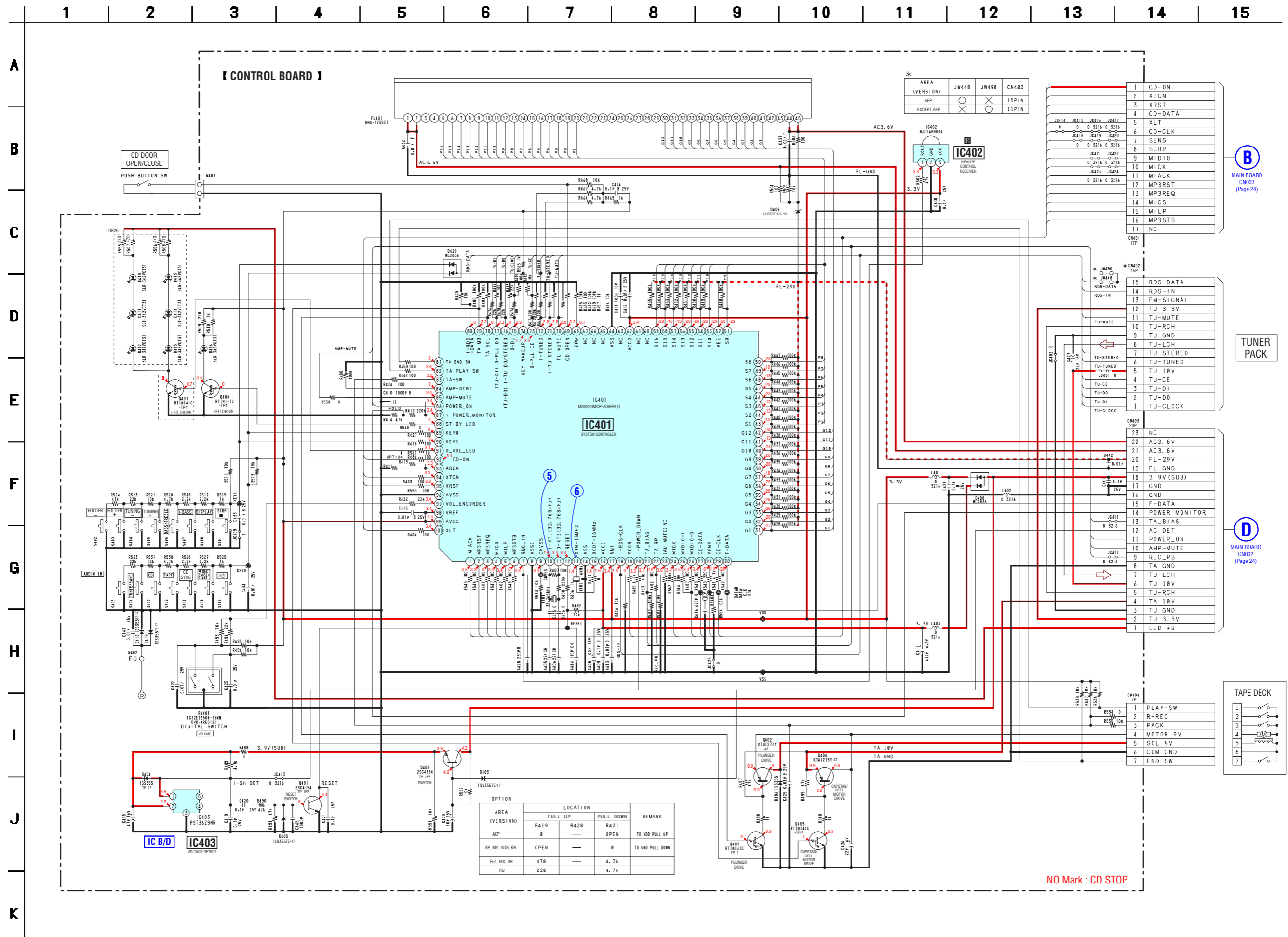


• Semiconductor Location

Ref. No.	Location
D403	E-9
D404	D-8
D405	D-8
D406	G-6
D408	F-10
D409	B-9
D418	F-4
D419	F-3
D420	C-5
IC401	C-7
IC402	C-9
IC403	D-8
Q401	E-8
Q403	F-6
Q405	G-5
Q407	E-4
Q408	B-10
Q409	E-9

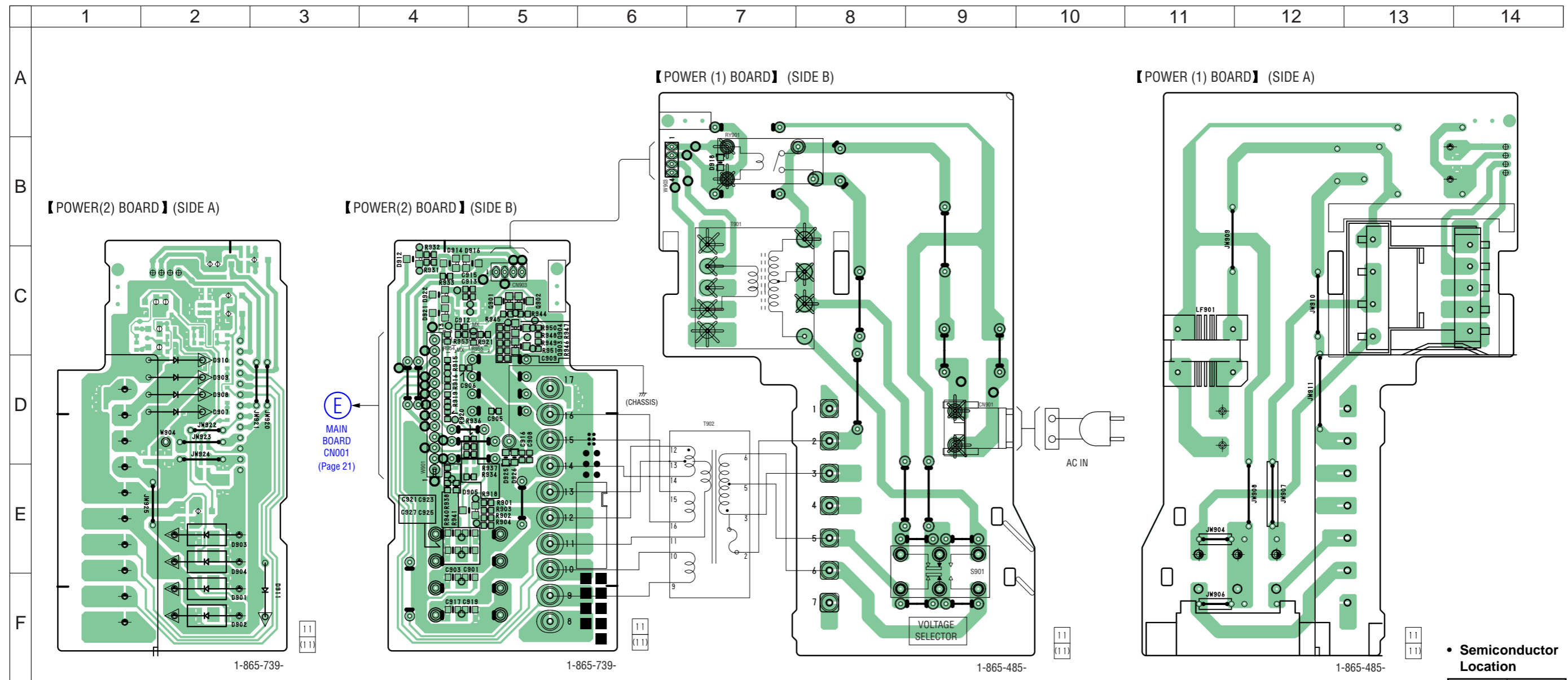
11  
(11)

7-12. SCHEMATIC DIAGRAM — CONTROL BOARD — • See page 35 for IC Block Diagram. • See page 31 for Waveforms.



AREA (VERSION)	LOCATION			REMARK
	PULL UP	PULL DOWN		
SP, MY, AUS, KR	OPEN	—	0	TO VDD PULL UP
ES1, MX, AR	470	—	4.7k	TO GND PULL DOWN
RU	220	—	4.7k	TO GND PULL DOWN

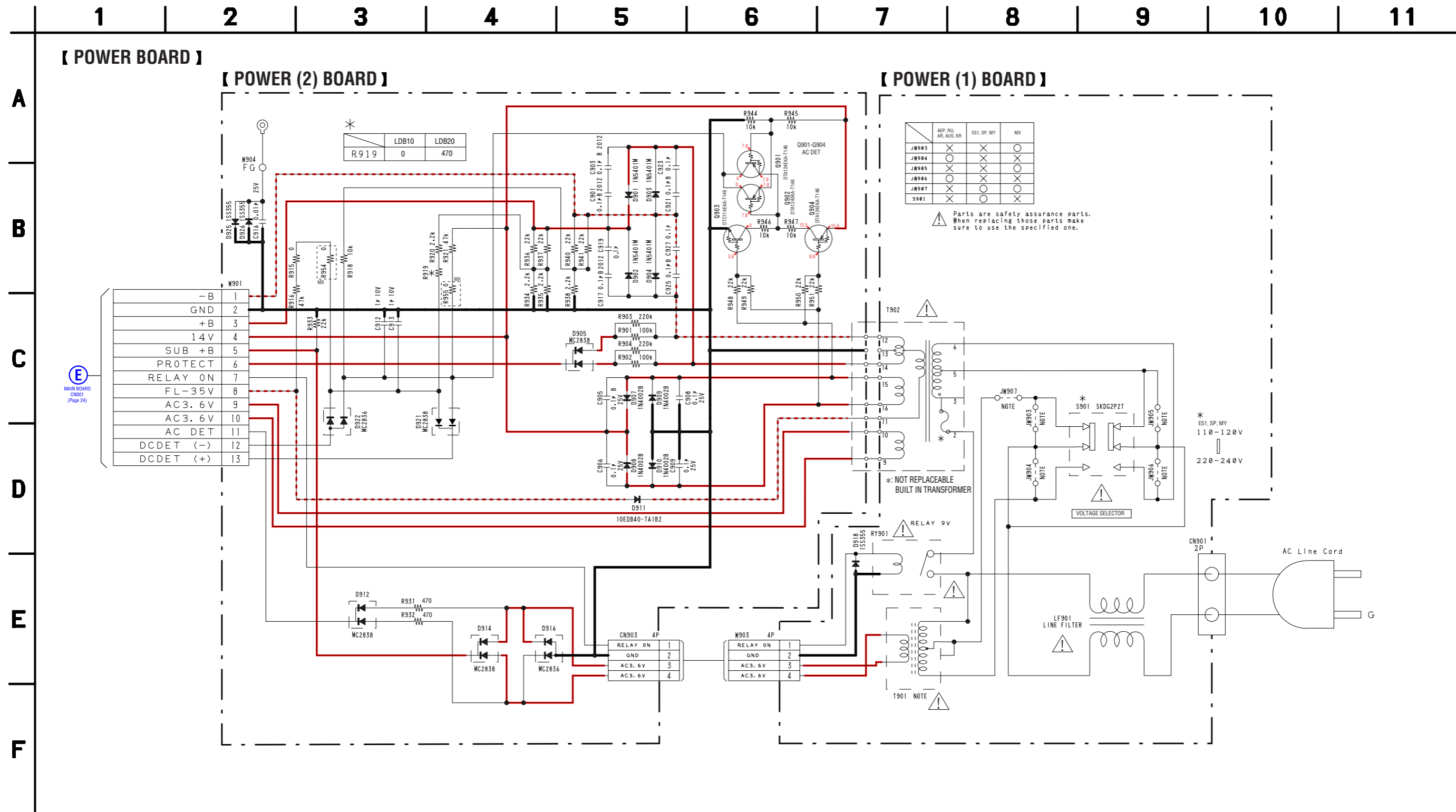
NO Mark : CD STOP



• Semiconductor Location

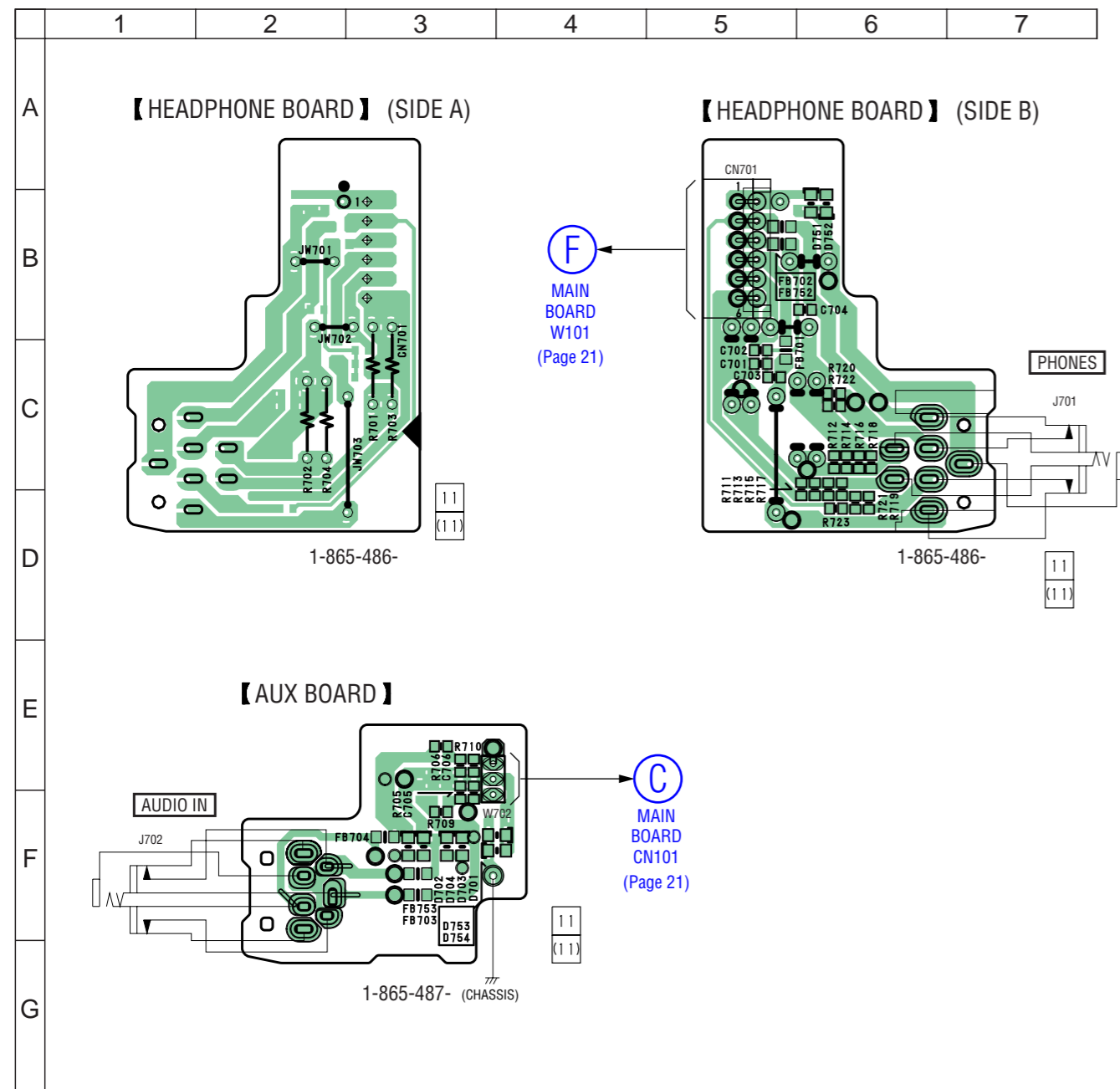
Ref. No.	Location
D901	F-2
D902	F-2
D903	E-2
D904	E-2
D905	E-4
D907	D-2
D908	D-2
D909	D-2
D910	C-2
D911	F-3
D912	C-4
D914	C-4
D916	C-4
D918	B-7
D921	C-4
D922	C-4
D925	D-5
D926	D-5
Q901	C-5
Q902	C-5
Q903	C-5
Q904	C-5

7-14. SCHEMATIC DIAGRAM — POWER BOARD —



7-15. PRINTED WIRING BOARD — AUX SECTION — • See page 15 for Circuit Boards Location.

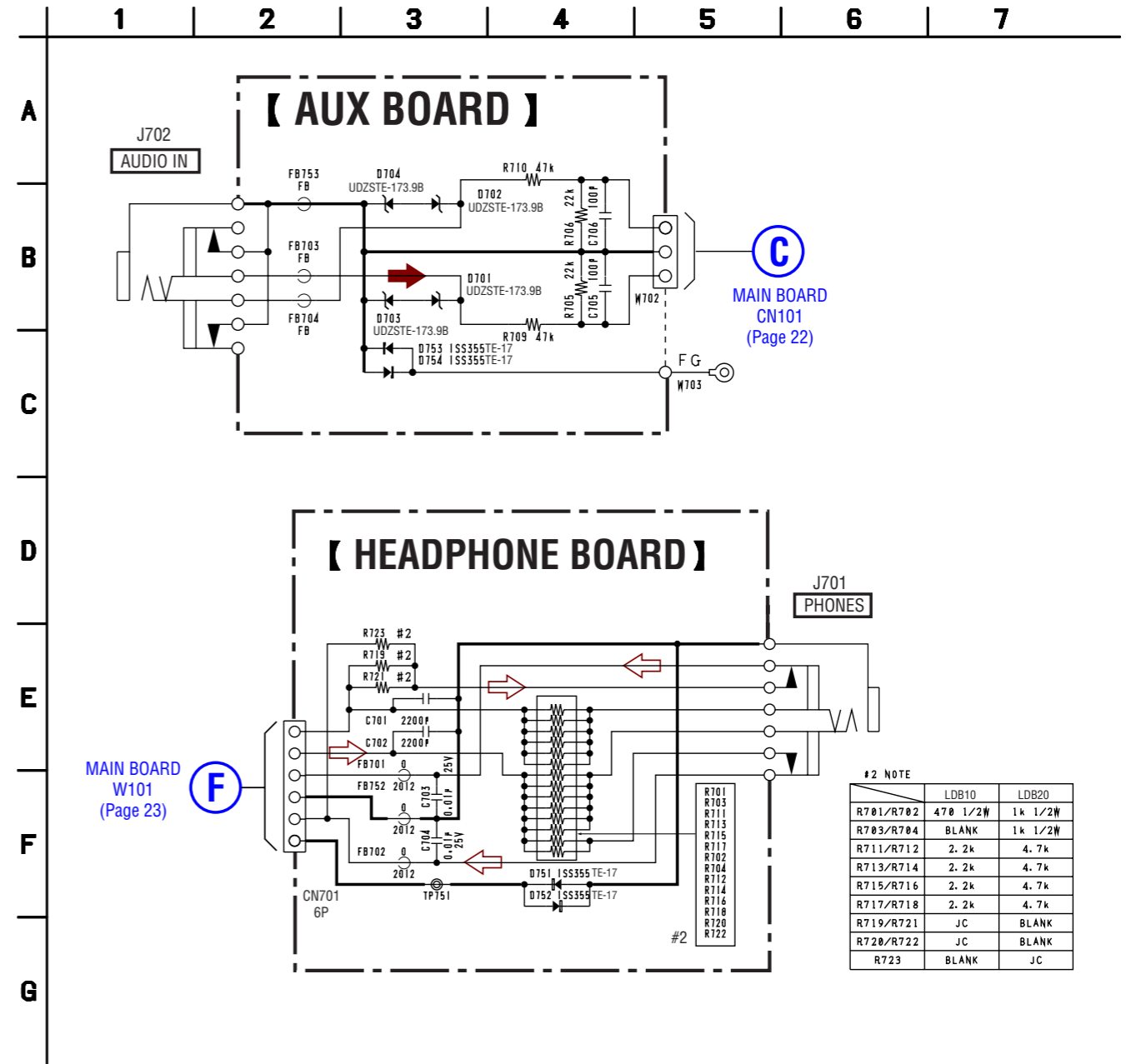
 :Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D701	F-3
D702	F-3
D703	F-3
D704	F-3
D751	B-6
D752	B-6
D753	F-3
D754	F-3

7-16. SCHEMATIC DIAGRAM — AUX SECTION —

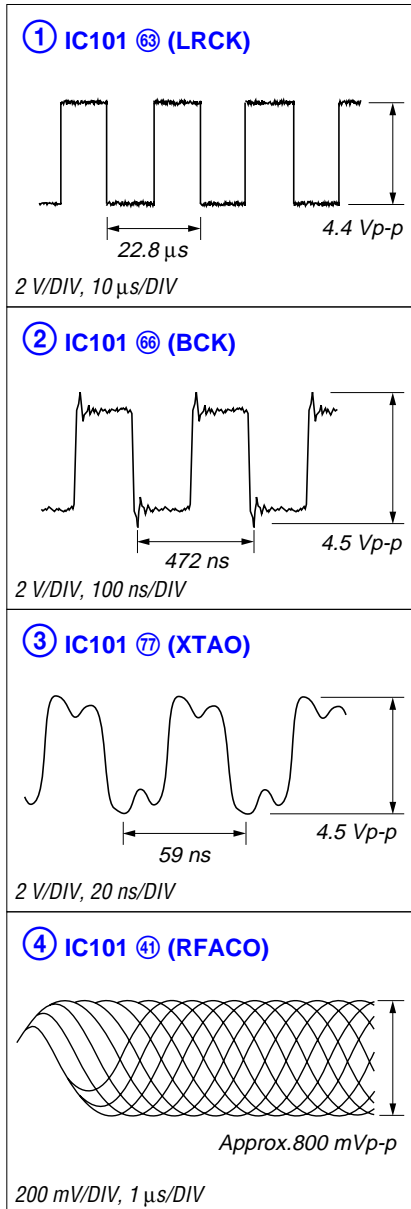


#2 NOTE

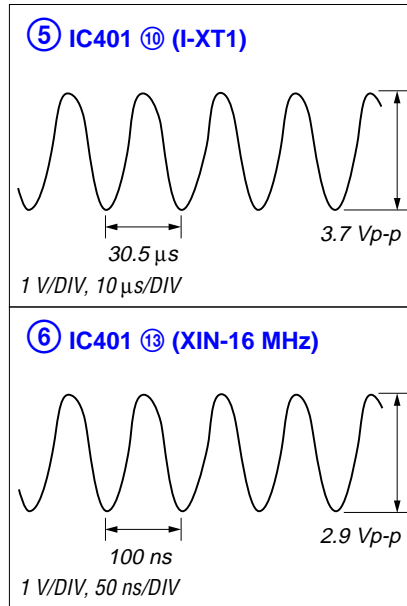
	LDB10	LDB20
R701/R702	470 1/2W	1k 1/2W
R711/R712	2.2k	4.7k
R713/R714	2.2k	4.7k
R715/R716	2.2k	4.7k
R717/R718	2.2k	4.7k
R719/R721	JC	BLANK
R720/R722	JC	BLANK
R723	BLANK	JC

• Waveforms

– CD Board –



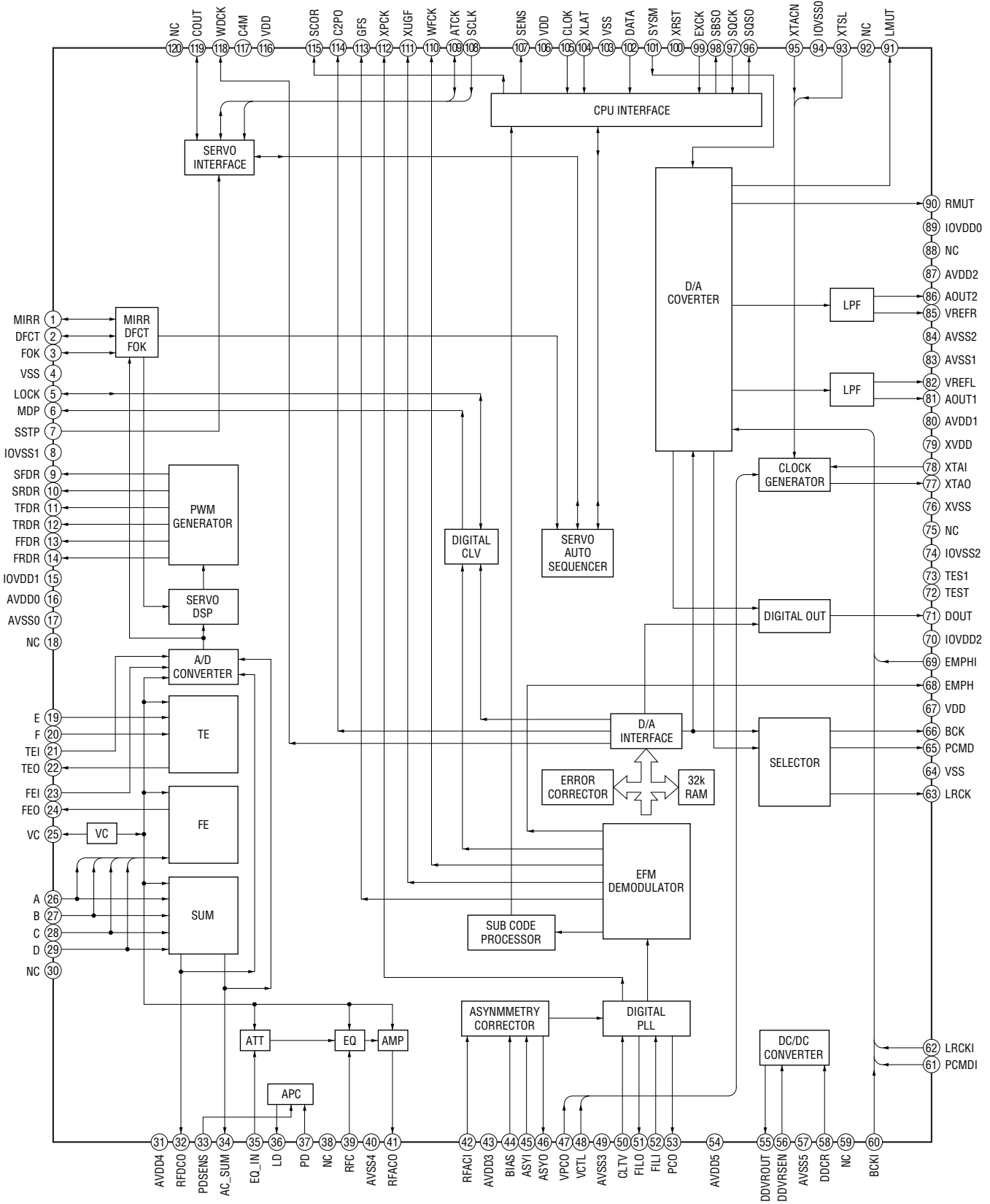
– CONTROL Board –



# CX-LDB10/LDB20

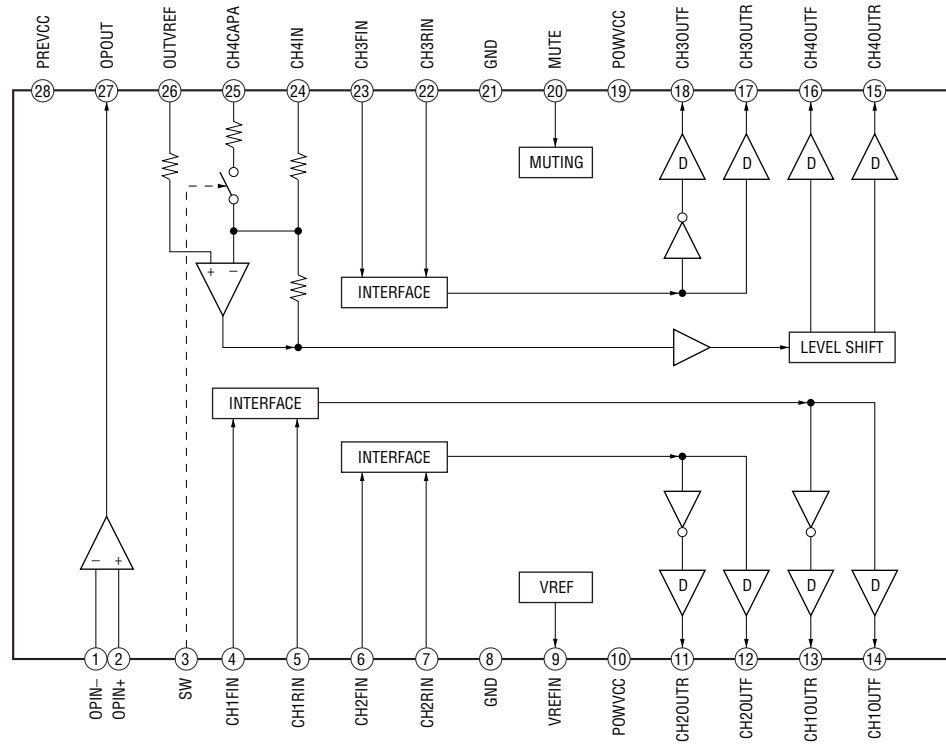
- IC Block Diagrams
- CD Board -

## IC101 CXD3059AR

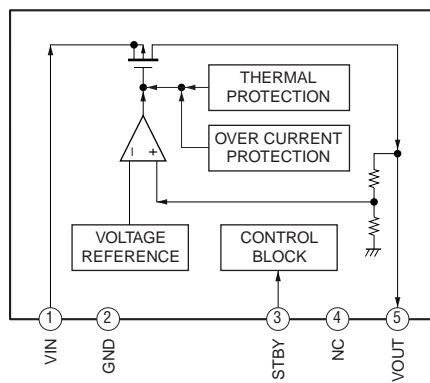




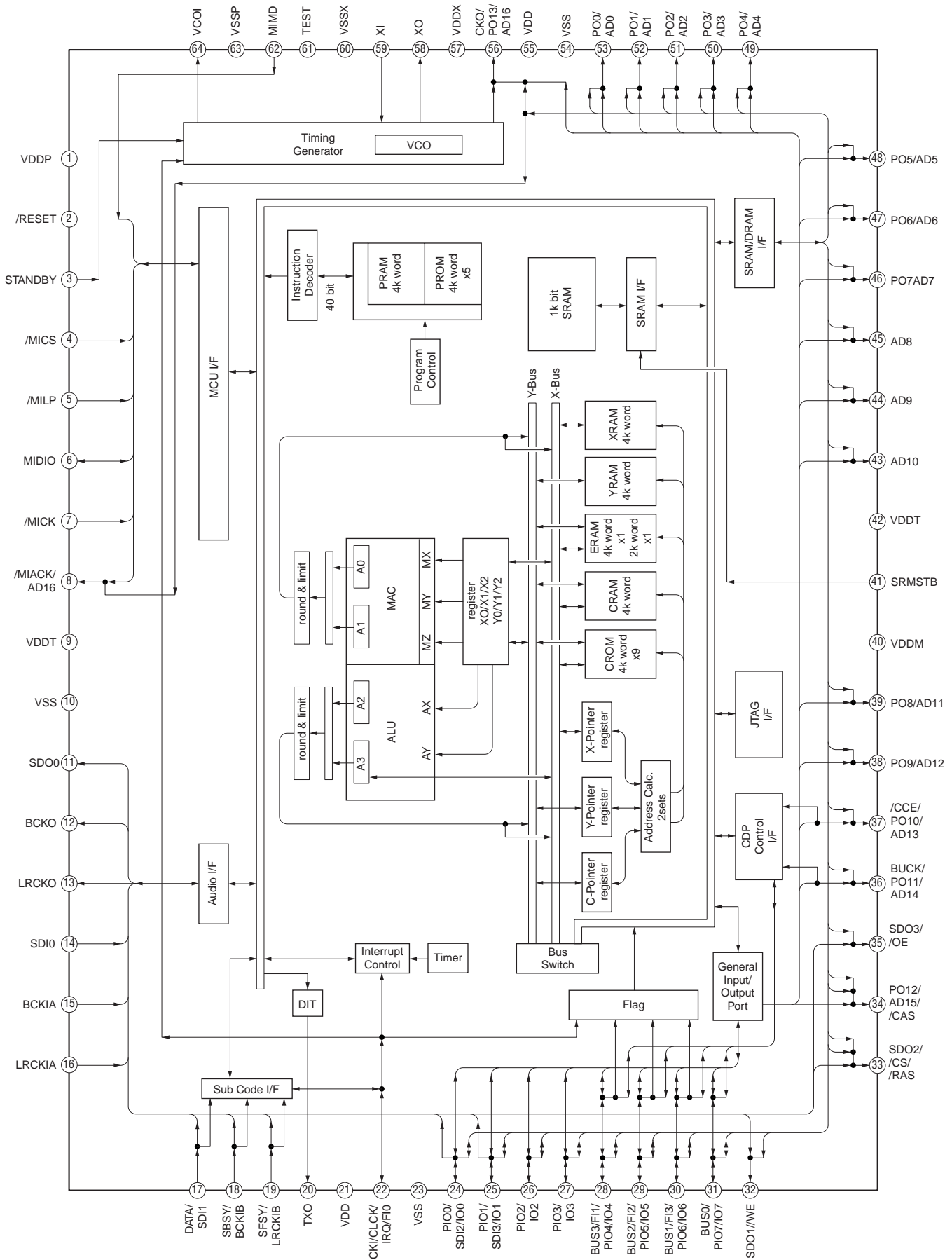
IC251 BA5947FM-E2



IC303 BH15FB1WG

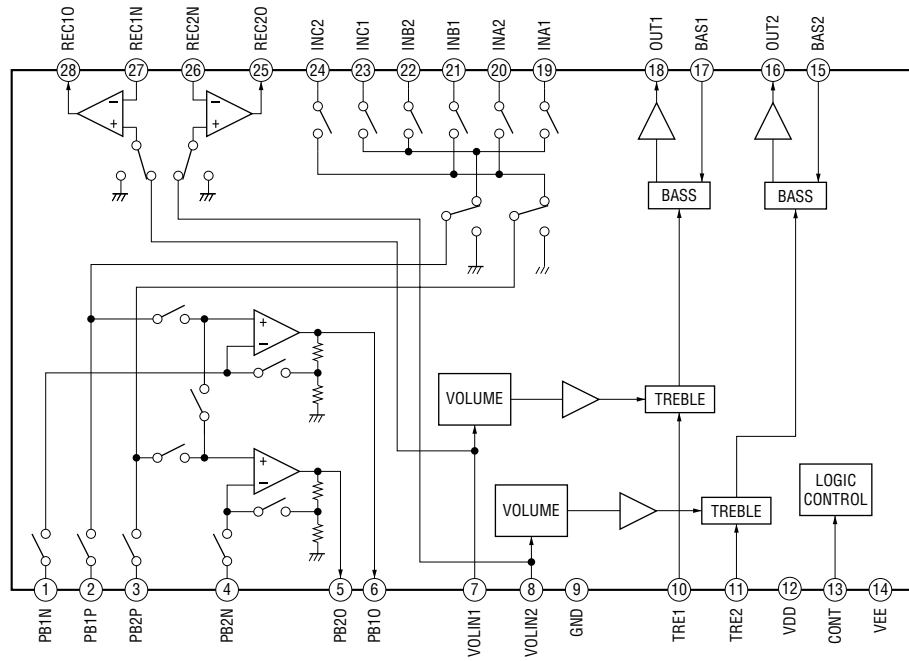


IC301 TC94A34FG-002



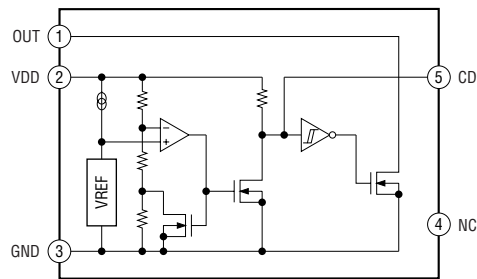
– MAIN Board –

IC101 BD3881FV



– CONTROL Board –

IC403 PST3629NR



## SECTION 8 EXPLODED VIEWS

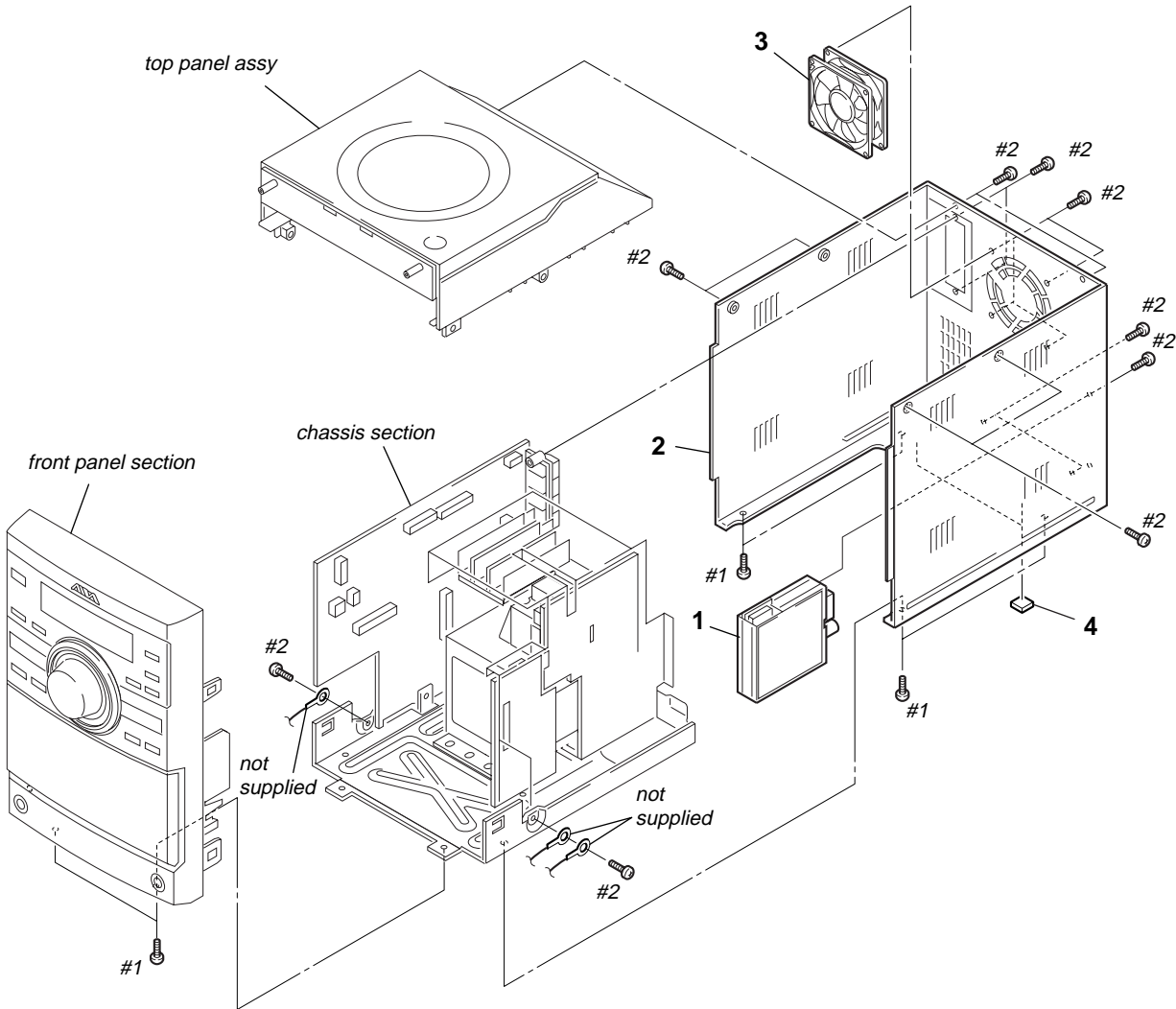
**NOTE:**

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

- Abbreviation  
 AUS : Australian model  
 AR : Argentine model  
 E51 : Chilean and peruvian models  
 KR : Korea model  
 MX : Mexican model  
 MY : Malaysia model  
 RU : Russian model  
 SP : Singapore model

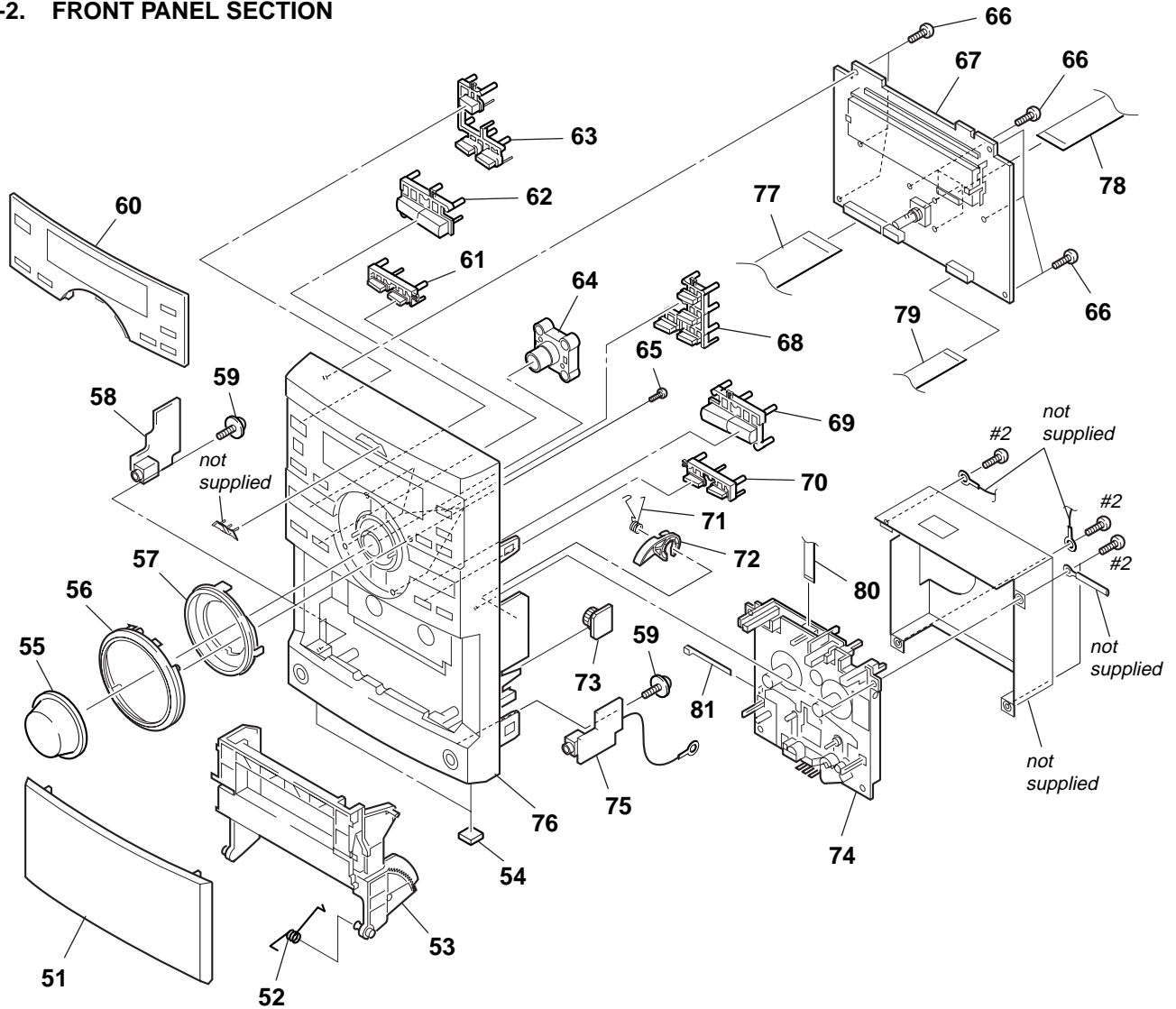
The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

**8-1. OVERALL SECTION**



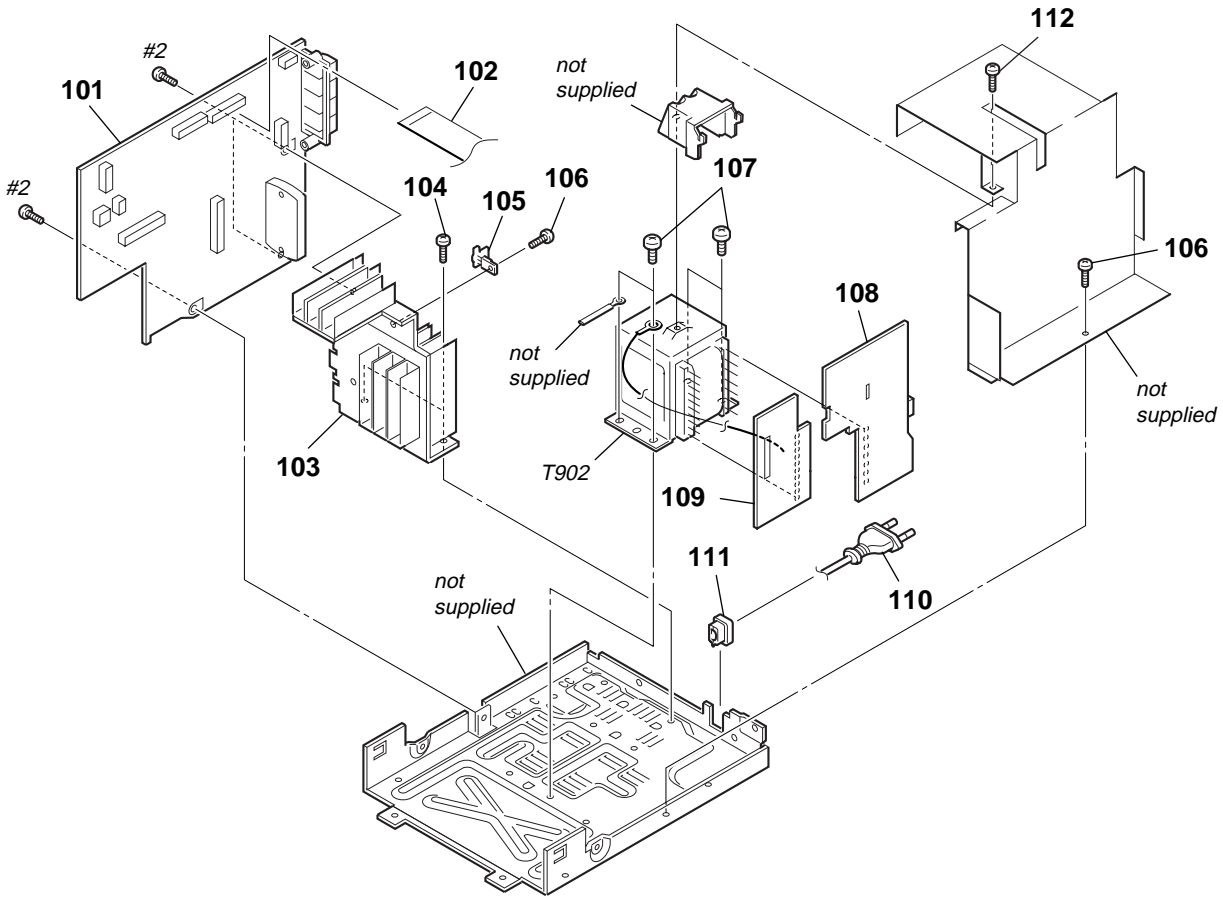
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	1-693-626-11	TUNER (FM/AM) (AEP)		3	1-787-360-11	DC FAN	
1	1-693-628-21	TUNER (FM/AM) (MX, AR, SP, MY, E51, AUS)		4	4-247-752-01	FOOT, RUBBER	
1	1-693-629-11	TUNER (FM/AM) (KR, RU)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
2	2-548-366-01	CABINET (REAR) (LDB20)		#2	7-685-646-14	SCREW +BVTP 3X8 TYPE2 N-S	
2	2-548-366-21	CABINET (REAR) (LDB10)					

8-2. FRONT PANEL SECTION



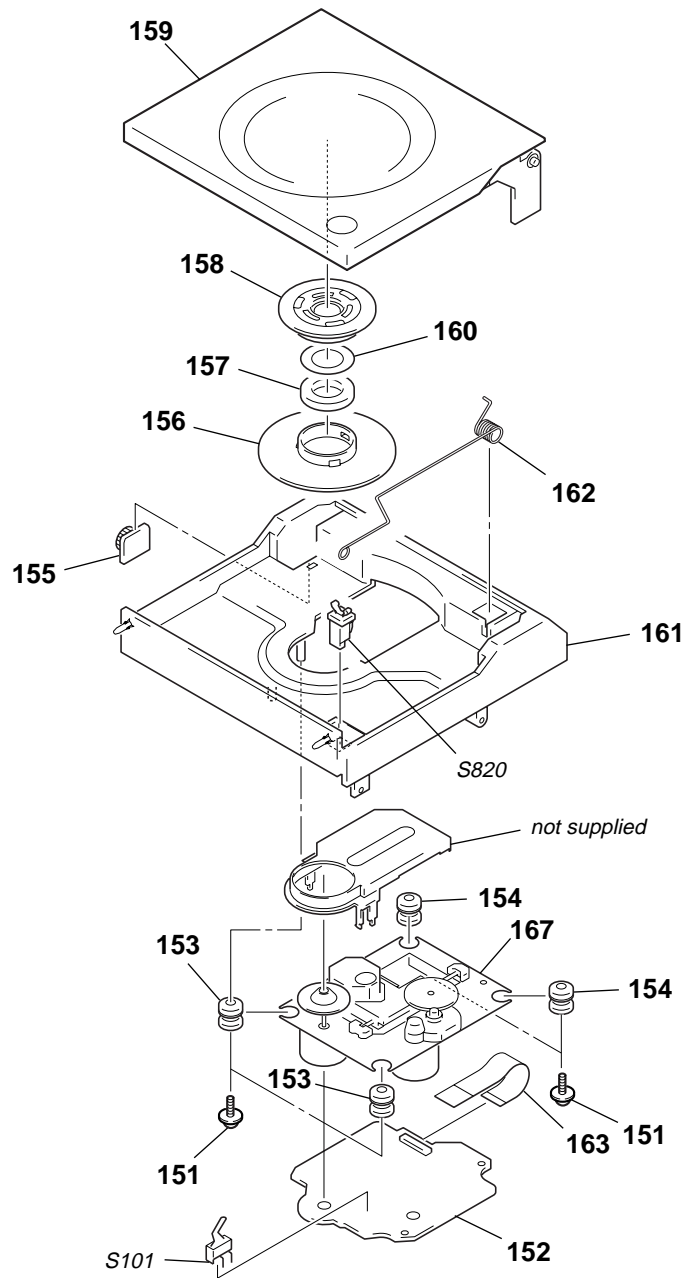
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	2-548-352-01	LID (CASSETTE) (LDB20)		67	A-1113-012-A	CONTROL BOARD, COMPLETE (LDB20: RU)	
51	2-548-352-21	LID (CASSETTE) (LDB10)		67	A-1113-022-A	CONTROL BOARD, COMPLETE (LDB10: RU)	
52	4-254-959-01	CASSETTE SPRING		67	A-1116-003-A	CONTROL BOARD, COMPLETE (LDB10: KR, SP, MY, AUS)	
53	2-582-003-01	HOLDER (CASSETTE)		68	2-548-355-01	BUTTON (DISPLAY)	
54	4-247-752-01	FOOT, RUBBER		69	2-548-356-01	BUTTON (STOP)	
55	2-546-919-01	KNOB (VOL)		70	2-548-362-01	BUTTON (TUNING)	
56	2-546-920-01	RING (VOL)		71	4-231-841-01	SPRING (HEART CAM-B)	
57	2-548-364-01	PLATE (VOL), LIGHT GUIDE (LDB20)		72	4-231-825-01	CAM (B), HEART	
57	2-548-364-11	PLATE (VOL), LIGHT GUIDE (LDB10)		73	4-242-318-01	OIL-DAMPER (70N)	
58	A-1095-582-A	HEADPHONE BOARD, COMPLETE (LDB20)		74	1-796-352-41	DECK, MECHANICAL	
58	A-1095-622-A	HEADPHONE BOARD, COMPLETE (LDB10)		75	A-1095-585-A	AUX BOARD, COMPLETE	
59	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING		76	2-548-351-01	CABINET (FRONT) (LDB20: E51, RU)	
60	2-548-353-01	WINDOW (DISPLAY)		76	2-548-351-11	CABINET (FRONT) (LDB20: AEP)	
61	2-548-363-01	BUTTON (ALBUM)		76	2-548-351-31	CABINET (FRONT) (LDB10: MX, KR, AR, SP, MY, E51, RU, AUS)	
62	2-548-358-01	BUTTON (TAPE)		76	2-548-351-41	CABINET (FRONT) (LDB10: AEP)	
63	2-548-354-01	BUTTON (POWER)		77	1-829-022-11	WIRE (FLAT TYPE) (23 CORE)	
64	2-548-367-01	HOLDER (KNOB)		78	1-828-994-11	WIRE (FLAT TYPE) (17 CORE)	
65	3-254-070-01	SCREW		79	1-828-987-11	WIRE (FLAT TYPE) (15 CORE) (AEP)	
66	3-252-827-01	SCREW (B2.6), (+) BV TAPPING		79	1-828-967-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT AEP)	
67	A-1095-579-A	CONTROL BOARD, COMPLETE (LDB20: AEP)		80	1-828-944-11	WIRE (FLAT TYPE) (7 CORE)	
67	A-1095-619-A	CONTROL BOARD, COMPLETE (LDB10: AEP)		81	3-701-748-00	CLAMP	
67	A-1108-989-A	CONTROL BOARD, COMPLETE (LDB20: E51)		#2	7-685-646-14	SCREW +BVTP 3X8 TYPE2 N-S	
67	A-1109-022-A	CONTROL BOARD, COMPLETE (LDB10: MX, AR, E51)					

8-3. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-1095-588-A	MAIN BOARD, COMPLETE (LDB20: AEP)		109	A-1109-035-A	POWER (1) BOARD, COMPLETE (LDB10: MX)	
101	A-1095-625-A	MAIN BOARD, COMPLETE (LDB10: AEP)		109	A-1095-601-A	POWER (2) BOARD, COMPLETE (LDB20)	
101	A-1108-992-A	MAIN BOARD, COMPLETE (LDB20: E51)		109	A-1095-629-A	POWER (2) BOARD, COMPLETE (LDB10)	
101	A-1109-025-A	MAIN BOARD, COMPLETE (LDB10: MX, SP, MY, E51)		△ 110	1-769-079-41	CORD, POWER (KR)	
101	A-1113-015-A	MAIN BOARD, COMPLETE (LDB20: RU)		△ 110	1-775-790-71	CORD, POWER (AUS)	
101	A-1113-025-A	MAIN BOARD, COMPLETE (LDB10: RU)		△ 110	1-827-226-31	CORD, POWER (MX)	
101	A-1119-304-A	MAIN BOARD, COMPLETE (LDB10: AR, KR, AUS)		△ 110	1-829-387-11	CORD, POWER (AR)	
102	1-830-474-11	WIRE (FLAT TYPE) (27 CORE)		△ 110	1-830-188-11	CORD, POWER (AEP, E51, SP, MY, RU)	
103	X-2025-539-1	HEAT SINK ASSY		△ 111	3-703-244-00	BUSHING (2104), CORD (EXCEPT MX)	
104	3-970-608-11	SUMITITE (B3), +BV		△ 111	3-703-571-12	BUSHING (S) (4516), CORD (MX)	
105	A-1118-890-A	REG BOARD, COMPLETE		112	3-252-829-01	SCREW (B3), (+) BV TAPPING (LDB10: MX, E51, SP, MY/LDB20)	
106	3-254-143-01	SCREW (B3), (+) BV TAPPING		△ T902	1-443-674-11	TRANSFORMER, POWER (LDB20: AEP, RU)	
107	4-900-386-01	SCREW		△ T902	1-443-675-11	TRANSFORMER, POWER (LDB10: AEP, RU)	
108	A-1095-599-A	POWER (1) BOARD, COMPLETE (LDB20: AEP, RU)		△ T902	1-443-727-11	TRANSFORMER, POWER (LDB20: E51)	
108	A-1095-628-A	POWER (1) BOARD, COMPLETE (LDB10: AEP, AR, KR, AUS, RU)		△ T902	1-443-728-11	TRANSFORMER, POWER (LDB10: MX, SP, MY, E51, AUS)	
108	A-1108-995-A	POWER (1) BOARD, COMPLETE (LDB20: E51)		△ T902	1-443-732-11	TRANSFORMER, POWER (LDB10: AR, KR)	
108	A-1109-028-A	POWER (1) BOARD, COMPLETE (LDB10: E51, SP, MY)		#2	7-685-646-14	SCREW +BVTP 3X8 TYPE2 N-S	

8-4. TOP PANEL ASSY



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING		159	4-246-195-21	LID, CD	
152	A-1119-080-A	CD BOARD, COMPLETE (MX)		160	4-246-191-11	PLATE, MAGNET	
152	A-4751-434-A	CD BOARD, COMPLETE (EXCEPT MX)		161	2-548-365-01	CABINET (TOP)	
153	3-931-379-31	RUBBER, VIBRATION PROOF		162	4-248-711-01	SPRING (CD)	
154	3-931-379-21	RUBBER, VIBRATION PROOF		163	1-827-992-11	WIRE (FLAT TYPE) (16 CORE)	
155	4-242-171-01	DAMPER 150 N		△ 167	8-820-221-01	OPTICAL PICK-UP (KSM-213EDP/C2NP)	
156	4-246-193-01	HOLDER, CHUCK A		S101	1-771-853-11	SWITCH, DETECTION	
157	4-249-238-01	MAGNET (18-30-5)		S820	1-692-960-11	SWITCH, PUSH (1 KEY)	
158	4-246-192-01	BASE, CHUCK N					

SECTION 9  
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
- CAPACITORS  
uF:  $\mu$ F

- COILS  
uH:  $\mu$ H
- 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:  $\mu$ , for example:  
uA. . :  $\mu$ A. .      uPA. . :  $\mu$ PA. .  
uPB. . :  $\mu$ PB. .    uPC. . :  $\mu$ PC. .  
uPD. . :  $\mu$ PD. .
- Abbreviation  
AUS : Australian model  
AR : Argentine model

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

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

- E51 : Chilean and peruvian models
- KR : Korea model
- MX : Mexican model
- MY : Malaysia model
- RU : Russian model
- SP : Singapore model

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-1095-585-A	AUX BOARD, COMPLETE *****		C114	1-164-315-11	CERAMIC CHIP 470PF	5% 50V
		< CAPACITOR >		C115	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C705	1-162-927-11	CERAMIC CHIP 100PF	5% 50V	C116	1-128-995-21	ELECT CHIP 100uF	20% 10V
C706	1-162-927-11	CERAMIC CHIP 100PF	5% 50V	C122	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
		< DIODE >		C123	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
D701	8-719-083-58	DIODE UDZSTE-173.9B		C124	1-162-959-11	CERAMIC CHIP 330PF	5% 50V
D702	8-719-083-58	DIODE UDZSTE-173.9B		C125	1-164-360-11	CERAMIC CHIP 0.1uF	16V
D703	8-719-083-58	DIODE UDZSTE-173.9B		C131	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
D704	8-719-083-58	DIODE UDZSTE-173.9B		C132	1-117-863-11	CERAMIC CHIP 0.47uF	10% 6.3V
D753	8-719-988-61	DIODE 1SS355TE-17		C133	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V
D754	8-719-988-61	DIODE 1SS355TE-17		C134	1-164-360-11	CERAMIC CHIP 0.1uF	16V
		< FERRITE BEAD >		C141	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
FB703	1-414-386-22	INDUCTOR, FERRITE BEAD		C142	1-162-965-11	CERAMIC CHIP 0.0015uF	10% 50V
FB704	1-414-386-22	INDUCTOR, FERRITE BEAD		C143	1-164-360-11	CERAMIC CHIP 0.1uF	16V
FB753	1-414-386-22	INDUCTOR, FERRITE BEAD		C151	1-128-995-21	ELECT CHIP 100uF	20% 10V
		< JACK >		C161	1-164-360-11	CERAMIC CHIP 0.1uF	16V
J702	1-815-629-11	JACK (AUDIO IN)		C162	1-164-360-11	CERAMIC CHIP 0.1uF	16V
		< RESISTOR >		C163	1-164-360-11	CERAMIC CHIP 0.1uF	16V
R705	1-216-837-11	METAL CHIP 22K	5% 1/10W	C171	1-162-919-11	CERAMIC CHIP 22PF	5% 50V
R706	1-216-837-11	METAL CHIP 22K	5% 1/10W	C172	1-162-920-11	CERAMIC CHIP 27PF	5% 50V
R709	1-216-841-11	METAL CHIP 47K	5% 1/10W	C174	1-164-360-11	CERAMIC CHIP 0.1uF	16V
R710	1-216-841-11	METAL CHIP 47K	5% 1/10W	C181	1-164-360-11	CERAMIC CHIP 0.1uF	16V
*****				C182	1-164-360-11	CERAMIC CHIP 0.1uF	16V
A-1119-080-A	CD BOARD, COMPLETE (MX)			C183	1-124-778-00	ELECT CHIP 22uF	20% 6.3V
A-4751-434-A	CD BOARD, COMPLETE (EXCEPT MX)			C184	1-124-778-00	ELECT CHIP 22uF	20% 6.3V
		*****		C185	1-164-315-11	CERAMIC CHIP 470PF	5% 50V
		< CAPACITOR >		C186	1-164-315-11	CERAMIC CHIP 470PF	5% 50V
C10	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V	C194	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C11	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V	C195	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C14	1-164-360-11	CERAMIC CHIP 0.1uF	16V	C196	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C15	1-164-360-11	CERAMIC CHIP 0.1uF	16V	C201	1-128-995-21	ELECT CHIP 100uF	20% 10V
C16	1-115-156-11	CERAMIC CHIP 1uF	10V	C203	1-128-995-21	ELECT CHIP 100uF	20% 10V
C17	1-126-246-11	ELECT CHIP 220uF	20% 4V	C209	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V
C18	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	C210	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C111	1-162-967-11	CERAMIC CHIP 0.0033uF	10% 50V	C211	1-164-230-11	CERAMIC CHIP 220PF	5% 50V
C112	1-164-315-11	CERAMIC CHIP 470PF	5% 50V	C212	1-162-919-11	CERAMIC CHIP 22PF	5% 50V
C113	1-162-967-11	CERAMIC CHIP 0.0033uF	10% 50V	C213	1-162-919-11	CERAMIC CHIP 22PF	5% 50V
				C251	1-162-969-11	CERAMIC CHIP 0.0068uF	10% 25V
				C252	1-164-360-11	CERAMIC CHIP 0.1uF	16V
				C255	1-164-360-11	CERAMIC CHIP 0.1uF	16V
				C257	1-164-360-11	CERAMIC CHIP 0.1uF	16V
				C258	1-164-360-11	CERAMIC CHIP 0.1uF	16V
				C259	1-164-360-11	CERAMIC CHIP 0.1uF	16V
				C260	1-128-394-11	ELECT CHIP 220uF	20% 10V
				C302	1-164-360-11	CERAMIC CHIP 0.1uF	16V



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C303	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R172	1-216-857-11	METAL CHIP 1M 5% 1/10W
C305	1-126-246-11	ELECT CHIP	220uF	20% 4V	R173	1-216-295-91	SHORT CHIP 0
C306	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R181	1-216-809-11	METAL CHIP 100 5% 1/10W
C307	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R182	1-216-809-11	METAL CHIP 100 5% 1/10W
C308	1-126-208-21	ELECT CHIP	47uF	20% 4V	R191	1-216-864-11	SHORT CHIP 0
C309	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R201	1-500-445-21	FERRITE, EMI (SMD) (2012)
C310	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R203	1-216-864-11	SHORT CHIP 0
C311	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R204	1-500-445-21	FERRITE, EMI (SMD) (2012)
C312	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R205	1-216-864-11	SHORT CHIP 0
C313	1-164-360-11	CERAMIC CHIP	0.1uF	16V	R251	1-216-833-11	METAL CHIP 10K 5% 1/10W
C314	1-126-208-21	ELECT CHIP	47uF	20% 4V	R252	1-216-837-11	METAL CHIP 22K 5% 1/10W
C315	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V	R253	1-216-833-11	METAL CHIP 10K 5% 1/10W
C316	1-162-966-11	CERAMIC CHIP	0.0022uF	10% 50V	R301	1-216-845-11	METAL CHIP 100K 5% 1/10W
C317	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	R302	1-216-833-11	METAL CHIP 10K 5% 1/10W
C318	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	R303	1-216-845-11	METAL CHIP 100K 5% 1/10W
C320	1-216-864-11	SHORT CHIP	0		R305	1-216-845-11	METAL CHIP 100K 5% 1/10W
		< CONNECTOR >			R306	1-216-864-11	SHORT CHIP 0
CN101	1-770-425-11	CONNECTOR, FFC/FPC 16P			R307	1-216-833-11	METAL CHIP 10K 5% 1/10W
CN201	1-818-350-11	CONNECTOR (FFC) 27P			R313	1-216-813-11	METAL CHIP 220 5% 1/10W
		< FERRITE BEAD >			R351	1-216-809-11	METAL CHIP 100 5% 1/10W
FB301	1-500-445-21	FERRITE, EMI (SMD) (2012)			R352	1-216-809-11	METAL CHIP 100 5% 1/10W
		< IC >			R353	1-216-809-11	METAL CHIP 100 5% 1/10W
IC101	8-752-425-12	IC CXD3059AR			R354	1-216-809-11	METAL CHIP 100 5% 1/10W
IC251	6-705-808-01	IC BA5947FM-E2			R401	1-216-809-11	METAL CHIP 100 5% 1/10W
IC301	6-705-365-01	IC TC94A34FG-002			R402	1-216-809-11	METAL CHIP 100 5% 1/10W
IC303	6-705-807-01	IC BH15FB1WG			R403	1-216-809-11	METAL CHIP 100 5% 1/10W
		< TRANSISTOR >			R404	1-216-809-11	METAL CHIP 100 5% 1/10W
Q10	6-551-120-01	TRANSISTOR	2SA2119K		R405	1-216-809-11	METAL CHIP 100 5% 1/10W
		< RESISTOR >			R406	1-216-809-11	METAL CHIP 100 5% 1/10W
R10	1-216-791-11	METAL CHIP	3.3	5% 1/10W	R407	1-216-809-11	METAL CHIP 100 5% 1/10W
R11	1-216-864-11	SHORT CHIP	0		R408	1-216-809-11	METAL CHIP 100 5% 1/10W
R12	1-216-845-11	METAL CHIP	100K	5% 1/10W	R409	1-216-809-11	METAL CHIP 100 5% 1/10W
R13	1-218-446-11	METAL CHIP	1	5% 1/10W			
R111	1-216-821-11	METAL CHIP	1K	5% 1/10W			
R112	1-216-835-11	METAL CHIP	15K	5% 1/10W			
R113	1-216-821-11	METAL CHIP	1K	5% 1/10W			
R114	1-216-835-11	METAL CHIP	15K	5% 1/10W			
R121	1-216-835-11	METAL CHIP	15K	5% 1/10W			
R131	1-216-857-11	METAL CHIP	1M	5% 1/10W			
R132	1-216-833-11	METAL CHIP	10K	5% 1/10W			
R133	1-216-848-11	METAL CHIP	180K	5% 1/10W			
R141	1-216-829-11	METAL CHIP	4.7K	5% 1/10W			
R142	1-216-821-11	METAL CHIP	1K	5% 1/10W			
R143	1-216-827-11	METAL CHIP	3.3K	5% 1/10W			
R151	1-216-864-11	SHORT CHIP	0				
R161	1-216-809-11	METAL CHIP	100	5% 1/10W			
R162	1-216-841-11	METAL CHIP	47K	5% 1/10W			
R163	1-216-809-11	METAL CHIP	100	5% 1/10W			
R165	1-216-864-11	SHORT CHIP	0				
R166	1-216-821-11	METAL CHIP	1K	5% 1/10W			
R167	1-216-809-11	METAL CHIP	100	5% 1/10W			
R171	1-216-817-11	METAL CHIP	470	5% 1/10W			
		< VIBRATOR >			X171	1-767-408-21	VIBRATOR, CRYSTAL 16.9344MHZ
		*****					
					A-1095-579-A	CONTROL BOARD, COMPLETE (LDB20: AEP)	
					A-1095-619-A	CONTROL BOARD, COMPLETE (LDB10: AEP)	
					A-1108-989-A	CONTROL BOARD, COMPLETE (LDB20: E51)	
					A-1109-022-A	CONTROL BOARD, COMPLETE (LDB10: MX, AR, E51)	
					A-1113-012-A	CONTROL BOARD, COMPLETE (LDB20: RU)	
					A-1113-022-A	CONTROL BOARD, COMPLETE (LDB10: RU)	
					A-1116-003-A	CONTROL BOARD, COMPLETE (LDB10: KR, SP, MY, AUS)	
		*****					
					2-583-793-01	HOLDER, FL TUBE	
		< CAPACITOR >					
C405	1-162-919-11	CERAMIC CHIP	22PF	5% 50V			
C406	1-162-919-11	CERAMIC CHIP	22PF	5% 50V			
C408	1-126-933-11	ELECT	100uF	20% 16V			
C409	1-100-566-91	CERAMIC CHIP	0.1uF	10% 25V			

# CX-LDB10/LDB20

## CONTROL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C410	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V			< FILTER >	
C411	1-124-584-00	ELECT	100uF 20% 10V	FL401	1-519-819-11	INDICATOR TUBE, FLUORESCENT	
C412	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V			< IC >	
C413	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	IC401	6-805-229-01	IC M30392MCP-A08FPUO	
C414	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	IC402	6-600-349-31	IC NJL24H400A (R)	
C415	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	IC403	6-701-680-01	IC PST3629NR	
C416	1-162-962-11	CERAMIC CHIP	470PF 10% 50V			< SHORT >	
C417	1-104-655-91	ELECT	470uF 20% 6.3V	JC401	1-216-864-11	SHORT CHIP	0
C418	1-124-589-11	ELECT	47uF 20% 16V	JC402	1-216-864-11	SHORT CHIP	0
C419	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	JC409	1-216-864-11	SHORT CHIP	0
C420	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	JC411	1-216-296-11	SHORT CHIP	0
C421	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	JC412	1-216-296-11	SHORT CHIP	0
C422	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	JC413	1-216-296-11	SHORT CHIP	0
C423	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	JC414	1-216-864-11	SHORT CHIP	0 (MX)
C424	1-124-234-00	ELECT	22uF 20% 16V	JC415	1-216-864-11	SHORT CHIP	0 (MX)
C425	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	JC416	1-216-296-11	SHORT CHIP	0 (MX)
C426	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	JC417	1-216-296-11	SHORT CHIP	0 (MX)
C427	1-124-234-00	ELECT	22uF 20% 16V	JC418	1-216-864-11	SHORT CHIP	0 (MX)
C428	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	JC419	1-216-296-11	SHORT CHIP	0 (MX)
C430	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	JC420	1-216-296-11	SHORT CHIP	0 (MX)
C431	1-162-974-11	CERAMIC CHIP	0.01uF 50V	JC421	1-216-296-11	SHORT CHIP	0 (MX)
C432	1-162-974-11	CERAMIC CHIP	0.01uF 50V	JC422	1-216-296-11	SHORT CHIP	0 (MX)
C433	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	JC423	1-216-296-11	SHORT CHIP	0 (MX)
C434	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	JC424	1-216-296-11	SHORT CHIP	0 (MX)
C435	1-216-864-11	SHORT CHIP	0	JC425	1-216-864-11	SHORT CHIP	0 (MX)
C436	1-216-864-11	SHORT CHIP	0			< COIL >	
C439	1-124-261-00	ELECT	10uF 20% 25V	L401	1-216-296-11	SHORT CHIP	0
C441	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	L402	1-216-296-11	SHORT CHIP	0
C442	1-162-974-11	CERAMIC CHIP	0.01uF 50V	L403	1-216-296-11	SHORT CHIP	0
C443	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V			< TRANSISTOR >	
C444	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	Q401	8-729-602-21	TRANSISTOR	2SC4154-F
C445	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	Q402	8-729-037-13	TRANSISTOR	KTA1271Y
		< CONNECTOR >		Q403	8-729-027-43	TRANSISTOR	DTC114EKA-T146
CN401	1-784-778-11	CONNECTOR, FFC 17P		Q404	8-729-040-76	TRANSISTOR	KTA1273-Y-AT
CN402	1-784-776-11	CONNECTOR, FFC 15P (AEP)		Q405	8-729-027-43	TRANSISTOR	DTC114EKA-T146
CN403	1-784-784-11	CONNECTOR, FFC 23P		Q407	8-729-027-43	TRANSISTOR	DTC114EKA-T146 (LDB20)
CN404	1-568-826-11	CONNECTOR, FFC 7P		Q408	8-729-027-43	TRANSISTOR	DTC114EKA-T146
		< DIODE >		Q409	8-729-602-21	TRANSISTOR	2SC4154-F
D403	8-719-988-61	DIODE 1SS355TE-17				< RESISTOR >	
D404	8-719-988-61	DIODE 1SS355TE-17		R401	1-216-809-11	METAL CHIP	100 5% 1/10W
D405	8-719-988-61	DIODE 1SS355TE-17		R402	1-216-809-11	METAL CHIP	100 5% 1/10W
D406	8-719-988-61	DIODE 1SS355TE-17		R403	1-216-809-11	METAL CHIP	100 5% 1/10W
D408	8-719-000-07	DIODE MC2836		R404	1-216-809-11	METAL CHIP	100 5% 1/10W
D409	8-719-069-54	DIODE UZSTE-175.1B		R405	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
D410	8-719-059-98	DIODE SLR-342VC3F (LDB20)		R406	1-216-821-11	METAL CHIP	1K 5% 1/10W
D411	8-719-059-98	DIODE SLR-342VC3F (LDB20)		R407	1-219-570-11	METAL CHIP	10M 5% 1/10W
D412	8-719-059-98	DIODE SLR-342VC3F (LDB20)		R408	1-216-849-11	METAL CHIP	220K 5% 1/10W
D413	8-719-059-98	DIODE SLR-342VC3F (LDB20)		R410	1-216-864-11	SHORT CHIP	0
D414	8-719-059-98	DIODE SLR-342VC3F (LDB20)		R412	1-216-849-11	METAL CHIP	220K 5% 1/10W
D415	8-719-059-98	DIODE SLR-342VC3F (LDB20)		R414	1-216-841-11	METAL CHIP	47K 5% 1/10W
D416	8-719-059-98	DIODE SLR-342VC3F		R418	1-216-809-11	METAL CHIP	100 5% 1/10W
D418	8-719-988-61	DIODE 1SS355TE-17					
D419	8-719-988-61	DIODE 1SS355TE-17					
D420	8-719-000-07	DIODE MC2836					

Ref. No.	Part No.	Description	Quantity	Unit	Remark	Ref. No.	Part No.	Description	Quantity	Unit	Remark
R419	1-216-813-11	METAL CHIP	220	5%	1/10W (RU)	R475	1-216-845-11	METAL CHIP	100K	5%	1/10W
R419	1-216-817-11	METAL CHIP	470	5%	1/10W (MX, AR, E51)	R476	1-216-837-11	METAL CHIP	22K	5%	1/10W
R419	1-216-864-11	SHORT CHIP	0 (AEP)			R477	1-216-809-11	METAL CHIP	100	5%	1/10W
R421	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (MX, AR, E51, RU)	R478	1-216-837-11	METAL CHIP	22K	5%	1/10W
R421	1-216-864-11	SHORT CHIP	0 (KR, SP, MY, AUS)			R479	1-216-845-11	METAL CHIP	100K	5%	1/10W
R422	1-216-837-11	METAL CHIP	22K	5%	1/10W	R480	1-216-845-11	METAL CHIP	100K	5%	1/10W
R423	1-216-841-11	METAL CHIP	47K	5%	1/10W	R481	1-216-845-11	METAL CHIP	100K	5%	1/10W
R424	1-216-809-11	METAL CHIP	100	5%	1/10W	R482	1-216-809-11	METAL CHIP	100	5%	1/10W
R425	1-216-833-11	METAL CHIP	10K	5%	1/10W	R483	1-216-845-11	METAL CHIP	100K	5%	1/10W
R426	1-216-833-11	METAL CHIP	10K	5%	1/10W	R484	1-216-845-11	METAL CHIP	100K	5%	1/10W
R427	1-216-809-11	METAL CHIP	100	5%	1/10W	R485	1-216-845-11	METAL CHIP	100K	5%	1/10W
R428	1-216-845-11	METAL CHIP	100K	5%	1/10W	R486	1-216-809-11	METAL CHIP	100	5%	1/10W
R429	1-216-845-11	METAL CHIP	100K	5%	1/10W	R487	1-216-809-11	METAL CHIP	100	5%	1/10W
R430	1-216-845-11	METAL CHIP	100K	5%	1/10W	R488	1-216-864-11	SHORT CHIP	0		
R431	1-216-845-11	METAL CHIP	100K	5%	1/10W	R489	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R432	1-216-845-11	METAL CHIP	100K	5%	1/10W	R490	1-216-841-11	METAL CHIP	47K	5%	1/10W
R433	1-216-845-11	METAL CHIP	100K	5%	1/10W	R491	1-216-841-11	METAL CHIP	47K	5%	1/10W
R434	1-216-845-11	METAL CHIP	100K	5%	1/10W	R492	1-216-837-11	METAL CHIP	22K	5%	1/10W
R435	1-216-845-11	METAL CHIP	100K	5%	1/10W	R493	1-216-833-11	METAL CHIP	10K	5%	1/10W
R436	1-216-845-11	METAL CHIP	100K	5%	1/10W	R494	1-216-837-11	METAL CHIP	22K	5%	1/10W
R437	1-216-845-11	METAL CHIP	100K	5%	1/10W	R495	1-216-833-11	METAL CHIP	10K	5%	1/10W
R438	1-216-845-11	METAL CHIP	100K	5%	1/10W	R496	1-216-833-11	METAL CHIP	10K	5%	1/10W
R439	1-216-845-11	METAL CHIP	100K	5%	1/10W	R497	1-216-841-11	METAL CHIP	47K	5%	1/10W
R440	1-216-845-11	METAL CHIP	100K	5%	1/10W	R498	1-216-821-11	METAL CHIP	1K	5%	1/10W
R441	1-216-845-11	METAL CHIP	100K	5%	1/10W	R499	1-216-841-11	METAL CHIP	47K	5%	1/10W
R442	1-216-845-11	METAL CHIP	100K	5%	1/10W	R500	1-216-821-11	METAL CHIP	1K	5%	1/10W
R443	1-216-845-11	METAL CHIP	100K	5%	1/10W	R502	1-216-841-11	METAL CHIP	47K	5%	1/10W
R444	1-216-845-11	METAL CHIP	100K	5%	1/10W	R504	1-216-809-11	METAL CHIP	100	5%	1/10W
R445	1-216-845-11	METAL CHIP	100K	5%	1/10W	R505	1-216-833-11	METAL CHIP	10K	5%	1/10W
R446	1-216-845-11	METAL CHIP	100K	5%	1/10W	R506	1-216-809-11	METAL CHIP	100	5%	1/10W
R447	1-216-845-11	METAL CHIP	100K	5%	1/10W	R507	1-216-817-11	METAL CHIP	470	5%	1/10W (LDB20)
R448	1-216-845-11	METAL CHIP	100K	5%	1/10W	R508	1-216-817-11	METAL CHIP	470	5%	1/10W (LDB20)
R449	1-216-845-11	METAL CHIP	100K	5%	1/10W	R509	1-216-813-11	METAL CHIP	220	5%	1/10W
R450	1-216-845-11	METAL CHIP	100K	5%	1/10W	R510	1-216-821-11	METAL CHIP	1K	5%	1/10W
R451	1-216-845-11	METAL CHIP	100K	5%	1/10W	R511	1-216-833-11	METAL CHIP	10K	5%	1/10W
R452	1-216-845-11	METAL CHIP	100K	5%	1/10W	R513	1-216-833-11	METAL CHIP	10K	5%	1/10W
R453	1-216-845-11	METAL CHIP	100K	5%	1/10W	R515	1-216-821-11	METAL CHIP	1K	5%	1/10W
R454	1-216-845-11	METAL CHIP	100K	5%	1/10W	R517	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R455	1-216-845-11	METAL CHIP	100K	5%	1/10W	R518	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R457	1-216-821-11	METAL CHIP	1K	5%	1/10W	R520	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R459	1-216-809-11	METAL CHIP	100	5%	1/10W	R521	1-216-833-11	METAL CHIP	10K	5%	1/10W
R461	1-216-809-11	METAL CHIP	100	5%	1/10W	R523	1-216-837-11	METAL CHIP	22K	5%	1/10W
R462	1-216-845-11	METAL CHIP	100K	5%	1/10W	R524	1-216-841-11	METAL CHIP	47K	5%	1/10W
R463	1-216-809-11	METAL CHIP	100	5%	1/10W	R525	1-216-821-11	METAL CHIP	1K	5%	1/10W
R464	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R527	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R465	1-216-845-11	METAL CHIP	100K	5%	1/10W	R528	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R466	1-216-809-11	METAL CHIP	100	5%	1/10W	R530	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R467	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R531	1-216-833-11	METAL CHIP	10K	5%	1/10W
R468	1-216-833-11	METAL CHIP	10K	5%	1/10W	R533	1-216-837-11	METAL CHIP	22K	5%	1/10W
R469	1-216-821-11	METAL CHIP	1K	5%	1/10W	R534	1-216-864-11	SHORT CHIP	0		
R470	1-216-845-11	METAL CHIP	100K	5%	1/10W	R535	1-216-833-11	METAL CHIP	10K	5%	1/10W
R471	1-216-809-11	METAL CHIP	100	5%	1/10W	R536	1-216-833-11	METAL CHIP	10K	5%	1/10W
R472	1-216-833-11	METAL CHIP	10K	5%	1/10W	R537	1-216-833-11	METAL CHIP	10K	5%	1/10W
R473	1-216-837-11	METAL CHIP	22K	5%	1/10W	R539	1-216-833-11	METAL CHIP	10K	5%	1/10W
R474	1-216-809-11	METAL CHIP	100	5%	1/10W	R540	1-216-813-11	METAL CHIP	220	5%	1/10W
						R541	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

# CX-LDB10/LDB20

**CONTROL**   **HEADPHONE**

Ref. No.	Part No.	Description	Quantity	Power	Remark
R542	1-216-809-11	METAL CHIP	100	5%	1/10W
R543	1-216-809-11	METAL CHIP	100	5%	1/10W
R544	1-216-809-11	METAL CHIP	100	5%	1/10W
R545	1-216-809-11	METAL CHIP	100	5%	1/10W
R546	1-216-809-11	METAL CHIP	100	5%	1/10W
R547	1-216-809-11	METAL CHIP	100	5%	1/10W
R548	1-216-809-11	METAL CHIP	100	5%	1/10W
R551	1-216-833-11	METAL CHIP	10K	5%	1/10W
R552	1-216-833-11	METAL CHIP	10K	5%	1/10W
R553	1-216-809-11	METAL CHIP	100	5%	1/10W
R554	1-216-845-11	METAL CHIP	100K	5%	1/10W
R555	1-216-817-11	METAL CHIP	470	5%	1/10W (LDB20)
R556	1-216-817-11	METAL CHIP	470	5%	1/10W (LDB20)
R558	1-216-864-11	SHORT CHIP	0		
R560	1-216-864-11	SHORT CHIP	0		
R561	1-216-821-11	METAL CHIP	1K	5%	1/10W (LDB20)
R562	1-216-845-11	METAL CHIP	100K	5%	1/10W
R563	1-216-833-11	METAL CHIP	10K	5%	1/10W
R564	1-216-833-11	METAL CHIP	10K	5%	1/10W
R565	1-216-857-11	METAL CHIP	1M	5%	1/10W
< VARIABLE RESISTOR >					
RV401	1-477-823-11	ENCODER, ROTARY (VOLUME)			
< SWITCH >					
S401	1-771-410-21	SWITCH, TACTILE (■STOP)			
S402	1-771-410-21	SWITCH, TACTILE (FOLDER -)			
S403	1-771-410-21	SWITCH, TACTILE (FOLDER +)			
S404	1-771-410-21	SWITCH, TACTILE (TUNNING -)			
S405	1-771-410-21	SWITCH, TACTILE (TUNNING +)			
S406	1-771-410-21	SWITCH, TACTILE (BASS/TREBLE)			
S407	1-771-410-21	SWITCH, TACTILE (i-BASS)			
S408	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S409	1-771-410-21	SWITCH, TACTILE (I/⏪)			
S410	1-771-410-21	SWITCH, TACTILE (●REC PAUSE/START)			
S411	1-771-410-21	SWITCH, TACTILE (CD SYNC)			
S412	1-771-410-21	SWITCH, TACTILE (TAPE)			
S413	1-771-410-21	SWITCH, TACTILE (CD)			
S414	1-771-410-21	SWITCH, TACTILE (TUNER/BAND)			
S415	1-771-410-21	SWITCH, TACTILE (AUDIO IN)			
< VIBRATOR >					
X401	1-579-463-11	VIBRATOR, CRYSTAL 32.768kHz			
X402	1-795-482-11	VIBRATOR, CERAMIC 16MHz			
*****					
	A-1095-582-A	HEADPHONE BOARD, COMPLETE (LDB20)			
	A-1095-622-A	HEADPHONE BOARD, COMPLETE (LDB10)			
*****					
< CAPACITOR >					
C701	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C702	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C703	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C704	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description	Quantity	Power	Remark
< CONNECTOR >					
* CN701	1-564-521-11	PLUG, CONNECTOR 6P			
< DIODE >					
D751	8-719-988-61	DIODE 1SS355TE-17			
D752	8-719-988-61	DIODE 1SS355TE-17			
< FERRITE BEAD >					
FB701	1-216-295-91	SHORT CHIP	0		
FB702	1-216-295-91	SHORT CHIP	0		
FB752	1-216-295-91	SHORT CHIP	0		
< JACK >					
J701	1-785-448-21	JACK (PHONES)			
< RESISTOR >					
R701	1-260-095-11	CARBON	470	5%	1/2W (LDB10)
R701	1-260-328-11	CARBON	1K	5%	1/2W (LDB20)
R702	1-260-095-11	CARBON	470	5%	1/2W (LDB10)
R702	1-260-328-11	CARBON	1K	5%	1/2W (LDB20)
R703	1-260-328-11	CARBON	1K	5%	1/2W (LDB20)
R704	1-260-328-11	CARBON	1K	5%	1/2W (LDB20)
R711	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (LDB10)
R711	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (LDB20)
R712	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (LDB10)
R712	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (LDB20)
R713	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (LDB10)
R713	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (LDB20)
R714	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (LDB10)
R714	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (LDB20)
R715	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (LDB10)
R715	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (LDB20)
R716	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (LDB10)
R716	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (LDB20)
R717	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (LDB10)
R717	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (LDB20)
R718	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (LDB10)
R718	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (LDB20)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R719	1-216-864-11	SHORT CHIP	0 (LDB10)	C038	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V
R720	1-216-864-11	SHORT CHIP	0 (LDB10)	C041	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V
R721	1-216-864-11	SHORT CHIP	0 (LDB10)	C042	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
R722	1-216-864-11	SHORT CHIP	0 (LDB10)	C043	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
R723	1-216-864-11	SHORT CHIP	0 (LDB20)	C044	1-162-962-11	CERAMIC CHIP	470PF 10% 50V
*****				C045	1-104-655-91	ELECT	470uF 20% 6.3V
A-1095-588-A	MAIN BOARD, COMPLETE (LDB20: AEP)			C046	1-126-963-11	ELECT	4.7uF 20% 50V
A-1095-625-A	MAIN BOARD, COMPLETE (LDB10: AEP)			C047	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
A-1108-992-A	MAIN BOARD, COMPLETE (LDB20: E51)			C048	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
A-1109-025-A	MAIN BOARD, COMPLETE (LDB10: MX, SP, MY, E51)			C049	1-216-864-11	SHORT CHIP	0
A-1113-015-A	MAIN BOARD, COMPLETE (LDB20: RU)			C050	1-126-943-11	ELECT	2200uF 20% 25V
A-1113-025-A	MAIN BOARD, COMPLETE (LDB10: RU)			C051	1-128-552-51	ELECT	47uF 20% 63V
A-1119-304-A	MAIN BOARD, COMPLETE (LDB10: KR, AR, AUS)			C052	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
*****				C101	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
< CAPACITOR >				C102	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
C001	1-128-550-21	ELECT	2200uF 20% 50V	C103	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C002	1-128-550-21	ELECT	2200uF 20% 50V	C104	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C003	1-126-960-11	ELECT	1uF 20% 50V	C105	1-126-947-11	ELECT	47uF 20% 35V
C004	1-126-960-11	ELECT	1uF 20% 50V	C106	1-126-947-11	ELECT	47uF 20% 35V
C005	1-126-964-11	ELECT	10uF 20% 50V	C107	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V
C006	1-126-965-91	ELECT	22uF 20% 50V	C108	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V
C007	1-126-934-11	ELECT	220uF 20% 16V	C109	1-126-961-11	ELECT	2.2uF 20% 50V
C008	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C110	1-126-961-11	ELECT	2.2uF 20% 50V
C009	1-126-768-11	ELECT	2200uF 20% 16V	C111	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
C010	1-125-972-91	ELECT	100uF 20% 16V	C112	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
C011	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C113	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C012	1-126-935-11	ELECT	470uF 20% 16V (LDB20)	C114	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C013	1-124-261-00	ELECT	10uF 20% 50V (AEP)	C115	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V
C014	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (AEP)	C116	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V
C015	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (LDB20)	C117	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V
C016	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (LDB20)	C118	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V
C017	1-126-933-11	ELECT	100uF 20% 16V	C119	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V
C018	1-126-934-11	ELECT	220uF 20% 16V	C120	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V
C019	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C121	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C020	1-126-934-11	ELECT	220uF 20% 16V	C122	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C021	1-126-965-91	ELECT	22uF 20% 50V	C123	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
C022	1-104-658-91	ELECT	100uF 20% 10V	C124	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
C023	1-162-974-11	CERAMIC CHIP	0.01uF 50V	C125	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V
C024	1-126-947-11	ELECT	47uF 20% 35V	C126	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V
C025	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	C127	1-127-715-91	CERAMIC CHIP	0.22uF 10% 16V
C026	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	C128	1-127-715-91	CERAMIC CHIP	0.22uF 10% 16V
C027	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C129	1-162-962-11	CERAMIC CHIP	470PF 10% 50V
C028	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	C130	1-162-962-11	CERAMIC CHIP	470PF 10% 50V
C029	1-162-962-11	CERAMIC CHIP	470PF 10% 50V	C131	1-162-960-11	CERAMIC CHIP	220PF 10% 50V (EXCEPT MX)
C031	1-126-767-11	ELECT	1000uF 20% 16V	C131	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V (MX)
C033	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	C132	1-162-960-11	CERAMIC CHIP	220PF 10% 50V (EXCEPT MX)
C034	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	C132	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V (MX)
C035	1-126-964-11	ELECT	10uF 20% 50V	C133	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C036	1-126-933-11	ELECT	100uF 20% 16V	C134	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C037	1-126-934-11	ELECT	220uF 20% 16V	C135	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C038	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V	C136	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C041	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V	C137	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
C042	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C138	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
C043	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	C139	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C044	1-162-962-11	CERAMIC CHIP	470PF 10% 50V	C140	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V

# CX-LDB10/LDB20

## MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C141	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C354	1-126-968-11	ELECT	100uF 20% 50V
C142	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C355	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C143	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	C356	1-126-968-11	ELECT	100uF 20% 50V
C144	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	C357	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C145	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C358	1-126-968-11	ELECT	100uF 20% 50V
C146	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C359	1-126-968-11	ELECT	100uF 20% 50V
C147	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V	C360	1-126-963-11	ELECT	4.7uF 20% 50V
C148	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V	C363	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C149	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	C365	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
C150	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	C370	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C153	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C371	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C154	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C601	1-126-923-91	ELECT	220uF 20% 10V
C155	1-126-963-11	ELECT	4.7uF 20% 50V	C602	1-126-933-11	ELECT	100uF 20% 16V
C156	1-126-963-11	ELECT	4.7uF 20% 50V	C603	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C157	1-124-261-00	ELECT	10uF 20% 50V	C604	1-126-963-11	ELECT	4.7uF 20% 50V
C158	1-124-261-00	ELECT	10uF 20% 50V	C606	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
C251	1-126-923-91	ELECT	220uF 20% 10V	C607	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
C252	1-162-915-11	CERAMIC CHIP	10PF 0.5PF 50V			< CONNECTOR >	
C253	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	* CN001	1-564-516-11	PLUG, CONNECTOR 13P	
C254	1-126-923-91	ELECT	220uF 20% 10V	CN002	1-784-784-11	CONNECTOR, FFC 23P	
C256	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	CN003	1-784-778-11	CONNECTOR, FFC 17P	
C257	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	CN004	1-779-295-11	CONNECTOR, FFC (LIF (NON-ZIF)) 27P	
C258	1-126-933-11	ELECT	100uF 20% 16V	* CN101	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	
C259	1-137-150-11	FILM	0.01uF 5% 100V	* CN102	1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P	
C260	1-130-475-00	MYLAR	0.0022uF 5% 50V	CN601	1-564-506-11	PLUG, CONNECTOR 3P	
C261	1-137-150-11	FILM	0.01uF 5% 100V			< DIODE >	
C262	1-124-589-11	ELECT	47uF 20% 16V	D002	8-719-988-61	DIODE 1SS355TE-17	
C263	1-130-471-00	MYLAR	0.001uF 5% 50V	D006	8-719-000-08	DIODE MC2838	
C264	1-137-372-11	MYLAR	0.022uF 5% 50V	D008	8-719-083-58	DIODE UDZSTE-173.9B	
C265	1-137-150-11	FILM	0.01uF 5% 100V	D009	8-719-988-61	DIODE 1SS355TE-17 (LDB20)	
C266	1-124-261-00	ELECT	10uF 20% 50V	D010	8-719-063-79	DIODE 1N4002B	
C267	1-124-589-11	ELECT	47uF 20% 16V	D011	8-719-988-61	DIODE 1SS355TE-17 (LDB20)	
C301	1-162-962-11	CERAMIC CHIP	470PF 10% 50V	D012	6-500-697-01	DIODE UDZSTE-173.3B (AEP)	
C302	1-162-962-11	CERAMIC CHIP	470PF 10% 50V	D013	8-719-069-54	DIODE UDZSTE-175.1B	
C303	1-126-961-11	ELECT	2.2uF 20% 50V	D014	8-719-988-61	DIODE 1SS355TE-17	
C304	1-126-961-11	ELECT	2.2uF 20% 50V	D015	8-719-988-61	DIODE 1SS355TE-17 (AEP)	
C305	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	D017	8-719-056-84	DIODE UDZ-TE-17-7.5B	
C306	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	D018	8-719-988-61	DIODE 1SS355TE-17	
C309	1-162-909-11	CERAMIC CHIP	4PF 0.25PF 50V	D019	8-719-083-71	DIODE UDZSTE-1730B	
C310	1-162-909-11	CERAMIC CHIP	4PF 0.25PF 50V	D023	8-719-000-08	DIODE MC2838	
C311	1-126-964-11	ELECT	10uF 20% 50V	D024	8-719-000-07	DIODE MC2836	
C312	1-126-964-11	ELECT	10uF 20% 50V	D025	8-719-083-58	DIODE UDZSTE-173.9B	
C313	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V	D026	8-719-988-61	DIODE 1SS355TE-17	
C314	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V	D027	8-719-083-82	DIODE UDZS-TE17-12B	
C315	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V	D201	8-719-988-61	DIODE 1SS355TE-17	
C316	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V	D202	8-719-988-61	DIODE 1SS355TE-17	
C317	1-127-715-91	CERAMIC CHIP	0.22uF 10% 16V	D251	8-719-988-61	DIODE 1SS355TE-17	
C318	1-127-715-91	CERAMIC CHIP	0.22uF 10% 16V	D252	8-719-056-78	DIODE UDZ-TE-17-4.3B	
C319	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	D253	8-719-056-78	DIODE UDZ-TE-17-4.3B	
C320	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	D254	8-719-988-61	DIODE 1SS355TE-17	
C321	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V	D255	8-719-063-79	DIODE 1N4002B	
C322	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V	D353	8-719-988-61	DIODE 1SS355TE-17	
C323	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V	D354	8-719-988-61	DIODE 1SS355TE-17 (LDB20)	
C324	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V	D355	8-719-988-61	DIODE 1SS355TE-17	
C351	1-126-947-11	ELECT	47uF 20% 35V	D356	8-719-988-61	DIODE 1SS355TE-17	
C352	1-127-715-91	CERAMIC CHIP	0.22uF 10% 16V	D358	8-719-988-61	DIODE 1SS355TE-17	
C353	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V				

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D359	8-719-988-61	DIODE 1SS355TE-17		Q202	8-729-927-88	TRANSISTOR 2SA1579T106-RR	
D601	8-719-988-61	DIODE 1SS355TE-17		Q252	8-729-045-62	TRANSISTOR 2SK2158-T2B	
D602	8-719-000-08	DIODE MC2838		Q253	8-729-027-31	TRANSISTOR DTA124EKA-T146	
D603	8-719-083-63	DIODE UDZSTE-1713B		Q254	8-729-027-31	TRANSISTOR DTA124EKA-T146	
D604	8-719-988-61	DIODE 1SS355TE-17		Q255	8-729-028-54	TRANSISTOR KTC3205	
D605	8-719-988-61	DIODE 1SS355TE-17		Q256	8-729-027-43	TRANSISTOR DTC114EKA-T146	
		< EARTH TERMINAL >		Q257	8-729-119-76	TRANSISTOR 2SA1175-HFE	
* EP001	1-537-738-21	TERMINAL, EARTH (MX)		Q353	8-729-602-21	TRANSISTOR 2SC4154-F	
* EP351	1-537-738-21	TERMINAL, EARTH (MX)		Q354	8-729-927-88	TRANSISTOR 2SA1579T106-RR	
		< FERRITE BEAD >		Q355	8-729-602-21	TRANSISTOR 2SC4154-F	
FB251	1-414-598-11	INDUCTOR, FERRITE BEAD		Q356	8-729-602-21	TRANSISTOR 2SC4154-F (LDB20)	
		< IC >		Q601	8-729-037-13	TRANSISTOR KTA1271Y	
IC002	8-759-231-57	IC TA7810S (LDB20)		Q602	8-729-602-21	TRANSISTOR 2SC4154-F	
IC101	6-702-895-01	IC BD3881FV		Q603	8-729-028-54	TRANSISTOR KTC3205	
IC301	6-705-620-01	IC STK433-060 (LDB20)		Q604	8-729-027-31	TRANSISTOR DTA124EKA-T146	
IC301	6-705-625-01	IC STK433-040 (LDB10)		Q605	8-729-027-43	TRANSISTOR DTC114EKA-T146	
		< SHORT >		Q606	8-729-027-43	TRANSISTOR DTC114EKA-T146	
JC002	1-216-864-11	SHORT CHIP 0				< RESISTOR >	
JC351	1-216-864-11	SHORT CHIP 0		R001	1-216-833-11	METAL CHIP 10K 5% 1/10W	
		< COIL >		R002	1-216-841-11	METAL CHIP 47K 5% 1/10W	
L001	1-216-296-11	SHORT CHIP 0		R003	1-216-821-11	METAL CHIP 1K 5% 1/10W	
L301	1-422-009-13	COIL, AIR-CORE		R004	1-216-821-11	METAL CHIP 1K 5% 1/10W	
L302	1-422-009-13	COIL, AIR-CORE		R005	1-216-841-11	METAL CHIP 47K 5% 1/10W	
		< TRANSISTOR >		R007	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q001	8-729-600-22	TRANSISTOR 2SA1235-F		R008	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q002	8-729-602-21	TRANSISTOR 2SC4154-F		R009	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
Q003	8-729-027-43	TRANSISTOR DTC114EKA-T146		R010	1-216-845-11	METAL CHIP 100K 5% 1/10W	
Q004	8-729-027-43	TRANSISTOR DTC114EKA-T146		R011	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
Q005	8-729-027-43	TRANSISTOR DTC114EKA-T146		R012	1-216-817-11	METAL CHIP 470 5% 1/10W	
Q006	8-729-037-13	TRANSISTOR KTA1271Y		R013	1-216-817-11	METAL CHIP 470 5% 1/10W	
Q007	8-729-602-21	TRANSISTOR 2SC4154-F		R014	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q008	8-729-602-21	TRANSISTOR 2SC4154-F		R015	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q009	8-729-037-13	TRANSISTOR KTA1271Y		R016	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
Q010	8-729-028-54	TRANSISTOR KTC3205		R017	1-216-845-11	METAL CHIP 100K 5% 1/10W	
Q011	8-729-034-00	TRANSISTOR 2SA1282ATP-EF		R018	1-216-849-11	METAL CHIP 220K 5% 1/10W	
Q012	8-729-027-43	TRANSISTOR DTC114EKA-T146		R019	1-216-849-11	METAL CHIP 220K 5% 1/10W	
Q013	8-729-600-22	TRANSISTOR 2SA1235-F		R020	1-216-845-11	METAL CHIP 100K 5% 1/10W	(EXCEPT AEP, RU)
Q014	8-729-600-22	TRANSISTOR 2SA1235-F		R020	1-216-864-11	SHORT CHIP 0 (AEP, RU)	
Q015	8-729-600-22	TRANSISTOR 2SA1235-F		R021	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	(AEP)
Q016	8-729-600-22	TRANSISTOR 2SA1235-F		R022	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	(AEP)
Q017	8-729-602-21	TRANSISTOR 2SC4154-F		R023	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	(AEP)
Q018	8-729-028-54	TRANSISTOR KTC3205		R024	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	(AEP)
Q019	8-729-027-43	TRANSISTOR DTC114EKA-T146		R025	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	(AEP)
Q050	8-729-927-88	TRANSISTOR 2SA1579T106-RR		R027	1-216-797-11	METAL CHIP 10 5% 1/10W	
Q051	8-729-927-88	TRANSISTOR 2SA1579T106-RR		R029	1-216-805-11	METAL CHIP 47 5% 1/10W	
Q101	8-729-600-22	TRANSISTOR 2SA1235-F		R030	1-216-817-11	METAL CHIP 470 5% 1/10W	
Q102	8-729-600-22	TRANSISTOR 2SA1235-F		R031	1-216-841-11	METAL CHIP 47K 5% 1/10W	
Q103	8-729-045-62	TRANSISTOR 2SK2158-T2B		R032	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q104	8-729-045-62	TRANSISTOR 2SK2158-T2B		R033	1-216-845-11	METAL CHIP 100K 5% 1/10W	
Q201	8-729-927-88	TRANSISTOR 2SA1579T106-RR		R034	1-216-805-11	METAL CHIP 47 5% 1/10W	
				R035	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	

# CX-LDB10/LDB20

## MAIN

Ref. No.	Part No.	Description	Quantity	Unit	Remark	Ref. No.	Part No.	Description	Quantity	Unit	Remark
R036	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R150	1-216-833-11	METAL CHIP	10K	5%	1/10W
R037	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R153	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R038	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R154	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R039	1-216-821-11	METAL CHIP	1K	5%	1/10W	R155	1-216-837-11	METAL CHIP	22K	5%	1/10W
R040	1-216-864-11	SHORT CHIP	0			R156	1-216-837-11	METAL CHIP	22K	5%	1/10W
R041	1-216-797-11	METAL CHIP	10	5%	1/10W	R157	1-216-821-11	METAL CHIP	1K	5%	1/10W
R042	1-216-809-11	METAL CHIP	100	5%	1/10W	R158	1-216-821-11	METAL CHIP	1K	5%	1/10W
R044	1-216-817-11	METAL CHIP	470	5%	1/10W	R159	1-216-833-11	METAL CHIP	10K	5%	1/10W
R045	1-216-821-11	METAL CHIP	1K	5%	1/10W	R160	1-216-833-11	METAL CHIP	10K	5%	1/10W
R046	1-216-813-11	METAL CHIP	220	5%	1/10W	R161	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R053	1-216-797-11	METAL CHIP	10	5%	1/10W	R162	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R054	1-216-797-11	METAL CHIP	10	5%	1/10W	R163	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R055	1-216-797-11	METAL CHIP	10	5%	1/10W	R164	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R056	1-216-805-11	METAL CHIP	47	5%	1/10W	R165	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R057	1-216-805-11	METAL CHIP	47	5%	1/10W	R166	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R058	1-216-805-11	METAL CHIP	47	5%	1/10W	R167	1-216-833-11	METAL CHIP	10K	5%	1/10W
R060	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R168	1-216-833-11	METAL CHIP	10K	5%	1/10W
R061	1-216-837-11	METAL CHIP	22K	5%	1/10W	R169	1-216-837-11	METAL CHIP	22K	5%	1/10W
R062	1-216-821-11	METAL CHIP	1K	5%	1/10W	R170	1-216-837-11	METAL CHIP	22K	5%	1/10W
R063	1-216-833-11	METAL CHIP	10K	5%	1/10W	R171	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R064	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R172	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R065	1-216-841-11	METAL CHIP	47K	5%	1/10W	R173	1-216-845-11	METAL CHIP	100K	5%	1/10W
R066	1-216-841-11	METAL CHIP	47K	5%	1/10W	R174	1-216-845-11	METAL CHIP	100K	5%	1/10W
R067	1-216-864-11	SHORT CHIP	0 (MX)			R175	1-216-841-11	METAL CHIP	47K	5%	1/10W
R101	1-216-817-11	METAL CHIP	470	5%	1/10W	R176	1-216-841-11	METAL CHIP	47K	5%	1/10W
R102	1-216-817-11	METAL CHIP	470	5%	1/10W	R177	1-216-817-11	METAL CHIP	470	5%	1/10W
R103	1-216-841-11	METAL CHIP	47K	5%	1/10W	R178	1-216-817-11	METAL CHIP	470	5%	1/10W
R104	1-216-841-11	METAL CHIP	47K	5%	1/10W	R179	1-216-809-11	METAL CHIP	100	5%	1/10W
R107	1-216-797-11	METAL CHIP	10	5%	1/10W	R180	1-216-809-11	METAL CHIP	100	5%	1/10W
R108	1-216-797-11	METAL CHIP	10	5%	1/10W	R181	1-216-833-11	METAL CHIP	10K	5%	1/10W
R109	1-216-805-11	METAL CHIP	47	5%	1/10W	R182	1-216-833-11	METAL CHIP	10K	5%	1/10W
R110	1-216-805-11	METAL CHIP	47	5%	1/10W	R183	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R111	1-216-853-11	METAL CHIP	470K	5%	1/10W	R184	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R112	1-216-853-11	METAL CHIP	470K	5%	1/10W	R185	1-216-817-11	METAL CHIP	470	5%	1/10W
R115	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R186	1-216-817-11	METAL CHIP	470	5%	1/10W
R116	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R187	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R117	1-216-821-11	METAL CHIP	1K	5%	1/10W	R188	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R118	1-216-821-11	METAL CHIP	1K	5%	1/10W	R189	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R121	1-216-849-11	METAL CHIP	220K	5%	1/10W	R190	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R122	1-216-849-11	METAL CHIP	220K	5%	1/10W	R191	1-216-821-11	METAL CHIP	1K	5%	1/10W
R123	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R192	1-216-821-11	METAL CHIP	1K	5%	1/10W
R124	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R193	1-216-841-11	METAL CHIP	47K	5%	1/10W
R127	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R194	1-216-841-11	METAL CHIP	47K	5%	1/10W
R128	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R195	1-216-837-11	METAL CHIP	22K	5%	1/10W
R129	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R196	1-216-837-11	METAL CHIP	22K	5%	1/10W
R130	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R201	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R137	1-216-833-11	METAL CHIP	10K	5%	1/10W	R202	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R138	1-216-833-11	METAL CHIP	10K	5%	1/10W	R203	1-216-821-11	METAL CHIP	1K	5%	1/10W
R139	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R204	1-216-821-11	METAL CHIP	1K	5%	1/10W
R140	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R245	1-216-833-11	METAL CHIP	10K	5%	1/10W
R143	1-216-849-11	METAL CHIP	220K	5%	1/10W	R246	1-216-833-11	METAL CHIP	10K	5%	1/10W
R144	1-216-849-11	METAL CHIP	220K	5%	1/10W	R247	1-216-833-11	METAL CHIP	10K	5%	1/10W
R145	1-216-845-11	METAL CHIP	100K	5%	1/10W	R248	1-216-833-11	METAL CHIP	10K	5%	1/10W
R146	1-216-845-11	METAL CHIP	100K	5%	1/10W	R249	1-216-837-11	METAL CHIP	22K	5%	1/10W
R147	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R251	1-216-841-11	METAL CHIP	47K	5%	1/10W
R148	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R252	1-216-833-11	METAL CHIP	10K	5%	1/10W
R149	1-216-833-11	METAL CHIP	10K	5%	1/10W	R253	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R254	1-216-837-11	METAL CHIP	22K	5%	1/10W



Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R255	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R333	1-216-801-11	METAL CHIP	22	5%	1/10W
R256	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
R257	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R334	1-216-801-11	METAL CHIP	22	5%	1/10W
R258	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R335	1-216-801-11	METAL CHIP	22	5%	1/10W
R259	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R336	1-216-801-11	METAL CHIP	22	5%	1/10W
R261	1-216-857-11	METAL CHIP	1M	5%	1/10W	R337	1-216-801-11	METAL CHIP	22	5%	1/10W
R262	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R338	1-216-801-11	METAL CHIP	22	5%	1/10W
R263	1-216-821-11	METAL CHIP	1K	5%	1/10W	R339	1-216-801-11	METAL CHIP	22	5%	1/10W
R264	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R340	1-216-801-11	METAL CHIP	22	5%	1/10W
R265	1-216-864-11	SHORT CHIP	0			R347	1-216-845-11	METAL CHIP	100K	5%	1/10W
R266	1-216-837-11	METAL CHIP	22K	5%	1/10W	R351	1-216-833-11	METAL CHIP	10K	5%	1/10W
R267	1-216-797-11	METAL CHIP	10	5%	1/10W	R352	1-216-841-11	METAL CHIP	47K	5%	1/10W
R268	1-216-833-11	METAL CHIP	10K	5%	1/10W	R353	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R269	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R354	1-216-817-11	METAL CHIP	470	5%	1/10W
R270	1-216-837-11	METAL CHIP	22K	5%	1/10W	R355	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R271	1-216-797-11	METAL CHIP	10	5%	1/10W	R358	1-216-841-11	METAL CHIP	47K	5%	1/10W
R272	1-216-797-11	METAL CHIP	10	5%	1/10W	R359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R301	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R360	1-260-087-11	CARBON	100	5%	1/2W
R302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R361	1-260-087-11	CARBON	100	5%	1/2W
R303	1-216-841-11	METAL CHIP	47K	5%	1/10W	R362	1-216-821-11	METAL CHIP	1K	5%	1/10W
R304	1-216-841-11	METAL CHIP	47K	5%	1/10W	R363	1-216-833-11	METAL CHIP	10K	5%	1/10W
R305	1-216-841-11	METAL CHIP	47K	5%	1/10W	R364	1-216-864-11	SHORT CHIP	0		
R306	1-216-841-11	METAL CHIP	47K	5%	1/10W	R365	1-216-864-11	SHORT CHIP	0		
R307	1-216-817-11	METAL CHIP	470	5%	1/10W (LDB20)	R366	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R307	1-216-821-11	METAL CHIP	1K	5%	1/10W (LDB10)	R367	1-216-821-11	METAL CHIP	1K	5%	1/10W
R308	1-216-817-11	METAL CHIP	470	5%	1/10W (LDB20)	R369	1-216-849-11	METAL CHIP	220K	5%	1/10W (LDB20)
R308	1-216-821-11	METAL CHIP	1K	5%	1/10W (LDB10)	R370	1-216-833-11	METAL CHIP	10K	5%	1/10W (LDB20)
R309	1-216-361-00	METAL OXIDE	0.22	5%	2W	R372	1-216-817-11	METAL CHIP	470	5%	1/10W (LDB20)
R310	1-216-361-00	METAL OXIDE	0.22	5%	2W	R373	1-216-817-11	METAL CHIP	470	5%	1/10W (LDB20)
R311	1-216-361-00	METAL OXIDE	0.22	5%	2W	R374	1-216-809-11	METAL CHIP	100	5%	1/10W (LDB20)
R312	1-216-361-00	METAL OXIDE	0.22	5%	2W	R375	1-216-809-11	METAL CHIP	100	5%	1/10W (LDB20)
R313	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R376	1-216-809-11	METAL CHIP	100	5%	1/10W (LDB20)
R314	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R377	1-216-864-11	SHORT CHIP	0 (LDB20)		
R315	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R379	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R316	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R380	1-216-845-11	METAL CHIP	100K	5%	1/10W
R317	1-216-841-11	METAL CHIP	47K	5%	1/10W	R381	1-216-845-11	METAL CHIP	100K	5%	1/10W
R318	1-216-841-11	METAL CHIP	47K	5%	1/10W	R601	1-216-821-11	METAL CHIP	1K	5%	1/10W
R319	1-216-841-11	METAL CHIP	47K	5%	1/10W	R602	1-216-805-11	METAL CHIP	47	5%	1/10W
R320	1-216-841-11	METAL CHIP	47K	5%	1/10W	R603	1-216-805-11	METAL CHIP	47	5%	1/10W
R321	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R604	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R322	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R605	1-216-833-11	METAL CHIP	10K	5%	1/10W
R323	1-216-845-11	METAL CHIP	100K	5%	1/10W	R606	1-216-845-11	METAL CHIP	100K	5%	1/10W
R324	1-216-841-11	METAL CHIP	47K	5%	1/10W	R608	1-216-805-11	METAL CHIP	47	5%	1/10W
R325	1-216-813-11	METAL CHIP	220	5%	1/10W	R609	1-216-801-11	METAL CHIP	22	5%	1/10W (MX)
R326	1-216-813-11	METAL CHIP	220	5%	1/10W	R609	1-216-805-11	METAL CHIP	47	5%	1/10W (EXCEPT MX)
R327	1-216-813-11	METAL CHIP	220	5%	1/10W (LDB10)	R610	1-216-809-11	METAL CHIP	100	5%	1/10W
R327	1-216-817-11	METAL CHIP	470	5%	1/10W (LDB20)	R611	1-216-841-11	METAL CHIP	47K	5%	1/10W
R328	1-216-813-11	METAL CHIP	220	5%	1/10W (LDB10)	R612	1-216-817-11	METAL CHIP	470	5%	1/10W (EXCEPT MX)
R328	1-216-817-11	METAL CHIP	470	5%	1/10W (LDB20)	R612	1-216-821-11	METAL CHIP	1K	5%	1/10W (MX)
R331	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R332	1-216-833-11	METAL CHIP	10K	5%	1/10W						

# CX-LDB10/LDB20

MAIN	POWER (1)	POWER (2)
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Ref. No.	Part No.	Description	Remark
R613	1-216-817-11	METAL CHIP	470 5% 1/10W (EXCEPT MX)
R613	1-216-821-11	METAL CHIP	1K 5% 1/10W (MX)
R614	1-216-817-11	METAL CHIP	470 5% 1/10W (EXCEPT MX)
R614	1-216-821-11	METAL CHIP	1K 5% 1/10W (MX)
R615	1-216-817-11	METAL CHIP	470 5% 1/10W (EXCEPT MX)
R615	1-216-821-11	METAL CHIP	1K 5% 1/10W (MX)
R616	1-216-813-11	METAL CHIP	220 5% 1/10W (EXCEPT MX)
R616	1-216-821-11	METAL CHIP	1K 5% 1/10W (MX)
R617	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R618	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
		< RELAY >	
RY351	1-755-170-11	RELAY (LDB20)	
		< TRANSFORMER >	
T251	1-433-372-31	TRANSFORMER, BIAS OSCILLATION	
		< THERMISTOR >	
TH351	1-805-217-21	THERMISTOR (1012)	
*****			
	A-1095-599-A	POWER (1) BOARD, COMPLETE	(LDB20: AEP, RU)
	A-1095-628-A	POWER (1) BOARD, COMPLETE	(LDB10: KR, AR, AEP, RU, AUS)
	A-1108-995-A	POWER (1) BOARD, COMPLETE	(LDB20: E51)
	A-1109-028-A	POWER (1) BOARD, COMPLETE	(LDB10: SP, MY, E51)
	A-1109-035-A	POWER (1) BOARD, COMPLETE (MX)	*****
		< CONNECTOR >	
* CN901	1-695-044-11	PIN, CONNECTOR (3.96mm PITCH) 2P	
		< DIODE >	
D918	8-719-988-61	DIODE 1SS355TE-17	
		< LINE FILTER >	
△ LF901	1-402-663-11	TRANSFORMER, LINE FILTER (LFT)	
		< RELAY >	
△ RY901	1-755-276-11	RELAY, POWER	
		< TRANSFORMER >	
△ T901	1-443-410-11	TRANSFORMER, POWER	(KR, AR, AEP, RU, AUS)
△ T901	1-443-412-11	TRANSFORMER, POWER (MX, SP, MY, E51)	*****

Ref. No.	Part No.	Description	Remark
	A-1095-601-A	POWER (2) BOARD, COMPLETE (LDB20)	
	A-1095-629-A	POWER (2) BOARD, COMPLETE (LDB10)	*****
		< CAPACITOR >	
C901	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V
C903	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V
C905	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
C906	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
C908	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
C909	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
C912	1-165-908-11	CERAMIC CHIP	1uF 10% 10V
C913	1-165-908-11	CERAMIC CHIP	1uF 10% 10V
C916	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C917	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V
C919	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V
C921	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V
C923	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V
C925	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V
C927	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V
		< CONNECTOR >	
* CN903	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P	
		< DIODE >	
D901	8-719-046-47	DIODE 1N5401TM	
D902	8-719-046-47	DIODE 1N5401TM	
D903	8-719-046-47	DIODE 1N5401TM	
D904	8-719-046-47	DIODE 1N5401TM	
D905	8-719-000-08	DIODE MC2838	
D907	8-719-063-79	DIODE 1N4002B	
D908	8-719-063-79	DIODE 1N4002B	
D909	8-719-063-79	DIODE 1N4002B	
D910	8-719-063-79	DIODE 1N4002B	
D911	6-500-522-01	DIODE 10EDB40-TA1B2	
D912	8-719-000-08	DIODE MC2838	
D914	8-719-000-08	DIODE MC2838	
D916	8-719-000-07	DIODE MC2836	
D921	8-719-000-08	DIODE MC2838	
D922	8-719-000-07	DIODE MC2836	
D925	8-719-988-61	DIODE 1SS355TE-17	
D926	8-719-988-61	DIODE 1SS355TE-17	
		< TRANSISTOR >	
Q901	8-729-027-31	TRANSISTOR	DTA124EKA-T146
Q902	8-729-027-31	TRANSISTOR	DTA124EKA-T146
Q903	8-729-027-43	TRANSISTOR	DTC114EKA-T146
Q904	8-729-027-31	TRANSISTOR	DTA124EKA-T146
		< RESISTOR >	
R901	1-216-845-11	METAL CHIP	100K 5% 1/10W
R902	1-216-845-11	METAL CHIP	100K 5% 1/10W
R903	1-216-849-11	METAL CHIP	220K 5% 1/10W
R904	1-216-849-11	METAL CHIP	220K 5% 1/10W
R915	1-216-864-11	SHORT CHIP	0
R916	1-216-841-11	METAL CHIP	47K 5% 1/10W
R918	1-216-833-11	METAL CHIP	10K 5% 1/10W

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R919	1-216-817-11	METAL CHIP	470 5%	1/10W (LDB20)	△ T902	1-443-674-11	TRANSFORMER, POWER (LDB20: AEP, RU)
R919	1-216-864-11	SHORT CHIP	0 (LDB10)		△ T902	1-443-675-11	TRANSFORMER, POWER (LDB10: AEP, RU)
R920	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	△ T902	1-443-727-11	TRANSFORMER, POWER (LDB20: E51)
R921	1-216-841-11	METAL CHIP	47K 5%	1/10W	△ T902	1-443-728-11	TRANSFORMER, POWER (LDB10: MX, SP, MY, E51, AUS)
R931	1-216-817-11	METAL CHIP	470 5%	1/10W	△ T902	1-443-732-11	TRANSFORMER, POWER (LDB10: AR, KR)
R932	1-216-817-11	METAL CHIP	470 5%	1/10W			
R933	1-216-837-11	METAL CHIP	22K 5%	1/10W			
R934	1-216-825-11	METAL CHIP	2.2K 5%	1/10W			
R936	1-216-837-11	METAL CHIP	22K 5%	1/10W			
R937	1-216-837-11	METAL CHIP	22K 5%	1/10W			
R938	1-216-825-11	METAL CHIP	2.2K 5%	1/10W			
R940	1-216-837-11	METAL CHIP	22K 5%	1/10W			
R941	1-216-837-11	METAL CHIP	22K 5%	1/10W			
R944	1-216-833-11	METAL CHIP	10K 5%	1/10W			
R945	1-216-833-11	METAL CHIP	10K 5%	1/10W			
R946	1-216-833-11	METAL CHIP	10K 5%	1/10W			
R947	1-216-833-11	METAL CHIP	10K 5%	1/10W			
R948	1-216-837-11	METAL CHIP	22K 5%	1/10W			
R949	1-216-837-11	METAL CHIP	22K 5%	1/10W			
R950	1-216-837-11	METAL CHIP	22K 5%	1/10W			
R951	1-216-837-11	METAL CHIP	22K 5%	1/10W			
R954	1-216-864-11	SHORT CHIP	0 (MX)				
R955	1-216-864-11	SHORT CHIP	0 (MX)				
*****							
A-1118-890-A		REG BOARD, COMPLETE					
*****							
< CAPACITOR >							
C053	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		
C054	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		
< IC >							
IC003	8-759-231-57	IC TA7810S					
*****							
MISCELLANEOUS							
*****							
1	1-693-626-11	TUNER (FM/AM) (AEP)					
1	1-693-628-21	TUNER (FM/AM) (MX, AR, SP, MY, E51, AUS)					
1	1-693-629-11	TUNER (FM/AM) (KR, RU)					
3	1-787-360-11	DC FAN					
74	1-796-352-41	DECK, MECHANICAL					
77	1-829-022-11	WIRE (FLAT TYPE) (23 CORE)					
78	1-828-994-11	WIRE (FLAT TYPE) (17 CORE)					
79	1-828-987-11	WIRE (FLAT TYPE) (15 CORE) (AEP)					
79	1-828-967-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT AEP)					
80	1-828-944-11	WIRE (FLAT TYPE) (7 CORE)					
102	1-830-474-11	WIRE (FLAT TYPE) (27 CORE)					
△ 110	1-769-079-41	CORD, POWER (KR)					
△ 110	1-775-790-71	CORD, POWER (AUS)					
△ 110	1-827-226-31	CORD, POWER (MX)					
△ 110	1-829-387-11	CORD, POWER (AR)					
△ 110	1-830-188-11	CORD, POWER (AEP, E51, SP, MY, RU)					
163	1-827-992-11	WIRE (FLAT TYPE) (16 CORE)					
△ 167	8-820-221-01	OPTICAL PICK-UP (KSM-213EDP/C2NP)					
S101	1-771-853-11	SWITCH, DETECTION					
S820	1-692-960-11	SWITCH, PUSH (1 KEY)					

