

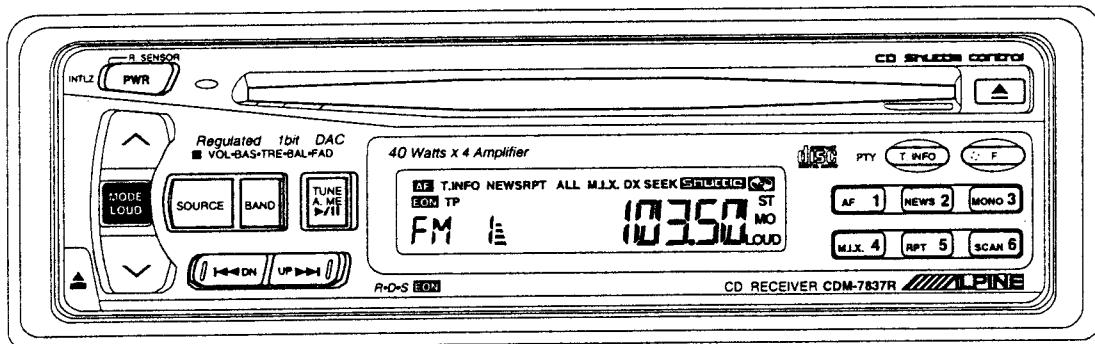
ALPINE SERVICE MANUAL

FM/MW/LW/RDS CD Receiver

CD Shuttle Controller



- For the CD deck mechanism (DP23L23A) used in this model, only the different parts are described. For details, refer to the DP23L05A section on the Service Manual • DP-L SERIES ADDENDUM & REVISED (III) (Part No. 68E26422S01).



(CDM-7837R)

**CDM-7837R/
CDM-7834R**

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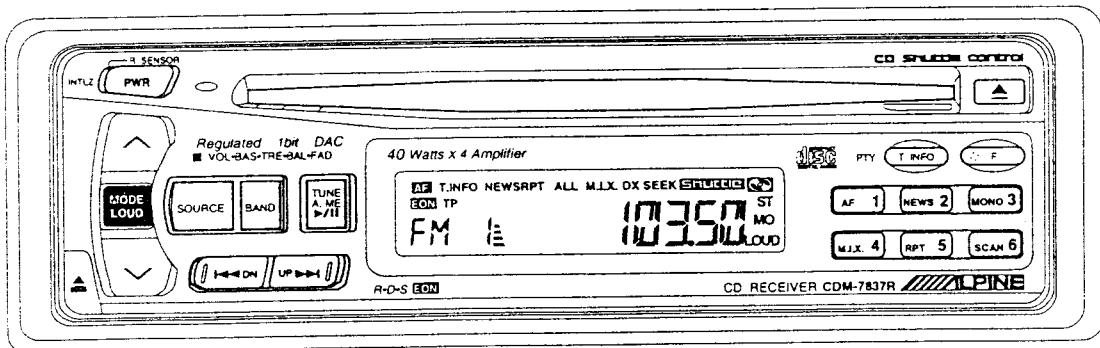
ALPINE SERVICE MANUAL

FM/MW/LW/RDS CD Receiver

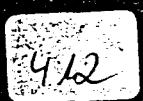
CD Shuttle Controller



- For the CD deck mechanism (DP23L23A) used in this model, only the different parts are described. For details, refer to the DP23L05A section on the Service Manual • DP-L SERIES ADDENDUM & REVISED (III) (Part No. 68E26422S01).



CDM-7834R



Contents

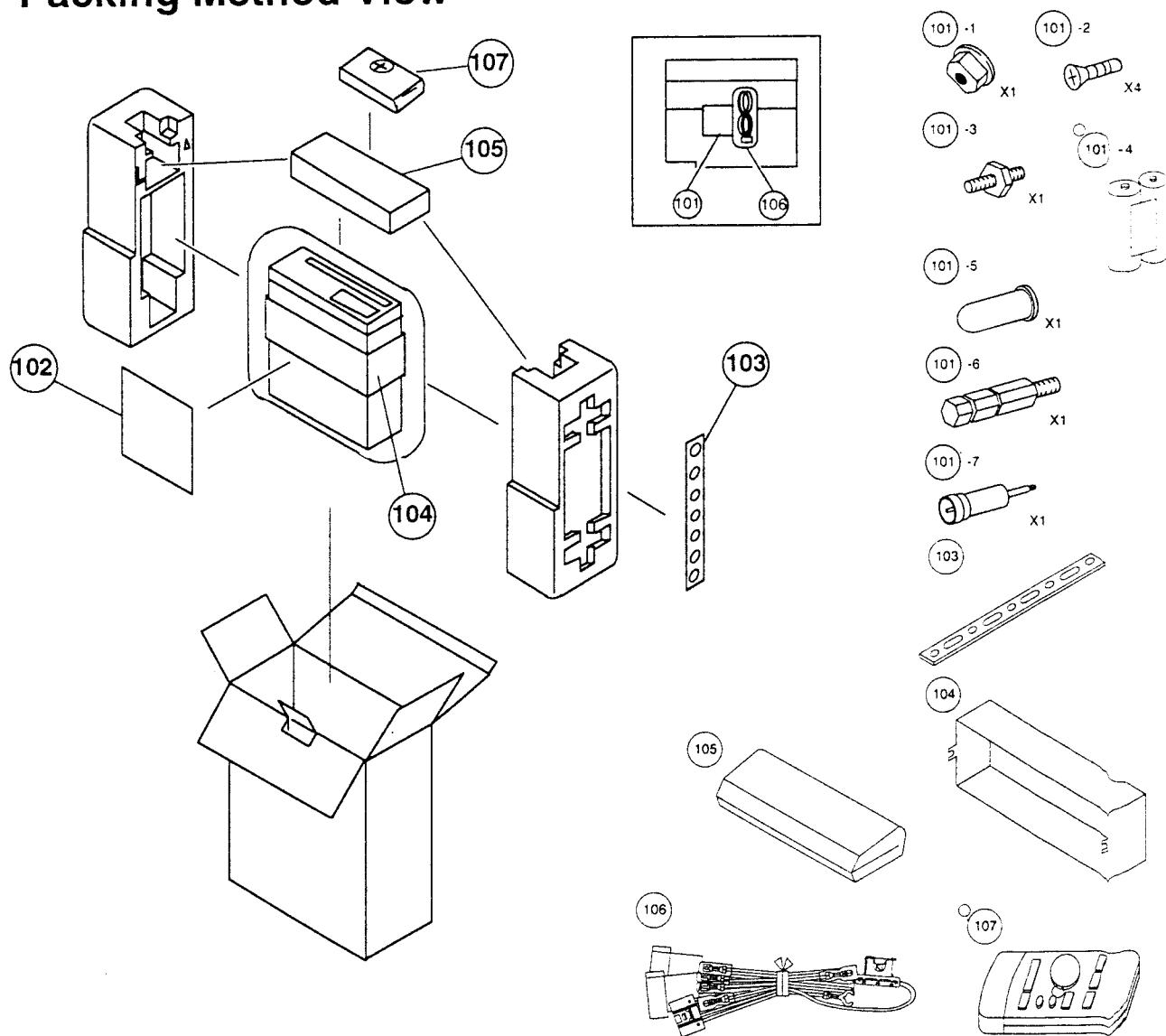
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Packing Assembly Parts List

| Symbol No. | Part No. | Description | Symbol No. | Part No. | Description |
|------------|-------------|-------------------------|------------|----------|-------------|
| ○ 101 | 01V13700Y74 | Assy., Kit | | | |
| ● 101 | 01V13700Y72 | Assy., Kit | | | |
| 102-1 | 68P10924Y24 | Owner's Manual | | | |
| 102-2 | 68P10924Y25 | Owner's Manual (I/G/S) | | | |
| 103 | 07B64552F01 | Bracket, Strap Receiver | | | |
| 104 | 15D50406W01 | Case, Inner | | | |
| 105 | 15D71506W01 | Carrying, Case | | | |
| ○ 106 | 01T15359Y03 | Assy., ISO Connector | | | |
| ● 106 | 01T15359Y02 | Assy., ISO Connector | | | |
| ○ 107 | 01T00716K02 | Assy., Remocon | | | |

NOTE : ○: For CDM-7837R Model Only, ●: For CDM-7834R Model Only, Others : Common.

Packing Method View



Specifications

<CD SECTION>

| | |
|--------------------------------|---|
| System | Optical (Compact Disc System) |
| Quantizing Bit Number | 16bit Linear system |
| Channels | 2 Channels |
| Channel Balance (1kHz) | 0±3dB |
| Distortion (1kHz) | 0.1% |
| Frequency Response (Ref. 1kHz) | 17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : 0±4dB |
| S/N Ratio | 85dB |
| Separation (1kHz) | 55dB |
| De-Emphasis (Ref. 1kHz) | 4kHz : -20±3dB 16kHz : -20±3dB |

<FM RADIO>

| | |
|---|----------------------------------|
| Intermediate Frequency | 10.7±0.1MHz |
| Frequency Range | 87.5~108MHz |
| Usable Sensitivity (Mono, 3% Dist., at 98.1MHz) | 20.2dBf |
| -3dB Limiting Sensitivity (at 98.1MHz) | 20.2dBf |
| Residual Noise (Ref. 400Hz, at 98.1MHz) | 25±10dB |
| S/N Ratio (Stereo, at 98.1MHz) | 55dB |
| Image Rejection (at 106.1MHz) | 40dB |
| IF Rejection (at 90.1MHz) | 60dB |
| Distortion (Input 60dB μ , at 98.1MHz) | 1% |
| Frequency Response (Ref. 400Hz, at 98.1MHz) | 100Hz : 0±3dB 10kHz : -12±3dB |
| Stereo Separation (1kHz, at 98.1MHz) | 20dB |
| PS Sensitivity (at 98.1MHz) | 25dB |

<MW RADIO>

| | |
|--|--------------------------------------|
| Intermediate Frequency | 450kHz |
| Frequency Range | 531~1,602kHz |
| Usable Sensitivity (20dB S/N, at 999kHz) | 34dB |
| S/N Ratio (at 999kHz) | 44dB |
| Image Rejection (at 603kHz) | 40dB |
| IF Rejection (at 603kHz) | 40dB |
| Distortion (at 999kHz) | 1.5% |
| Frequency Response (Ref. 400Hz, at 999kHz) | 100Hz : -3±4dB 4kHz : -12+4, -8dB |

<LW RADIO>

| | |
|--|--------------------------------------|
| Intermediate Frequency | 450kHz |
| Frequency Range | 153~281kHz |
| Usable Sensitivity (20dB S/N, at 216kHz) | 38dB |
| S/N Ratio (at 216kHz) | 42dB |
| Image Rejection (at 270kHz) | 50dB |
| IF Rejection (at 162kHz) | 60dB |
| Distortion (at 216kHz) | 1.5% |
| Frequency Response (Ref. 400Hz, at 216kHz) | 100Hz : -3±4dB 4kHz : -12+4, -8dB |

<GENERAL>

| | |
|--|--|
| Power Supply | DC14.4V |
| Power Output (T.H.D. 10%) /Impedance | 16W/ch/4ohm (○) 14W/ch/4ohm (●) |
| Pre Output/Impedance | 1.2V/10Kohm |
| Semiconductors | 24IC's, 55Transistors, 15Diodes, 4Zener Diodes(○) 21IC's, 39Transistors, 13Diodes, 4Zener Diodes(●) |
| Dimensions (W×H×D) | Chassis : 178×50×158mm Nose : 188×58×14.5mm |
| Weight | 1.5kg |

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Servo Monitor (Part No. 01E20845S01)

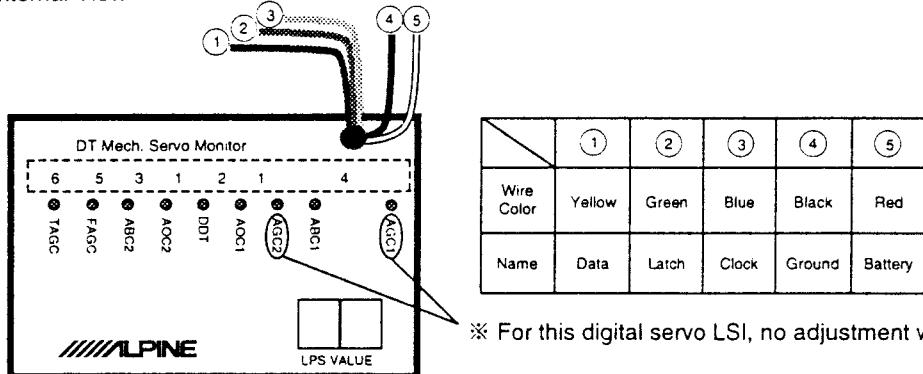
I. Purpose

DP-L mechanism built-in CDM-7837R/CDM-7834R performs digital signal processing in the inside of Digital Servo LSI and the outside alignment circuit builds in to this Digital Servo LSI and each alignments are automatic.

This DT Mech. Servo Monitor is jig for the automatic alignment circuitry.
Please refer to the following list for the reference;

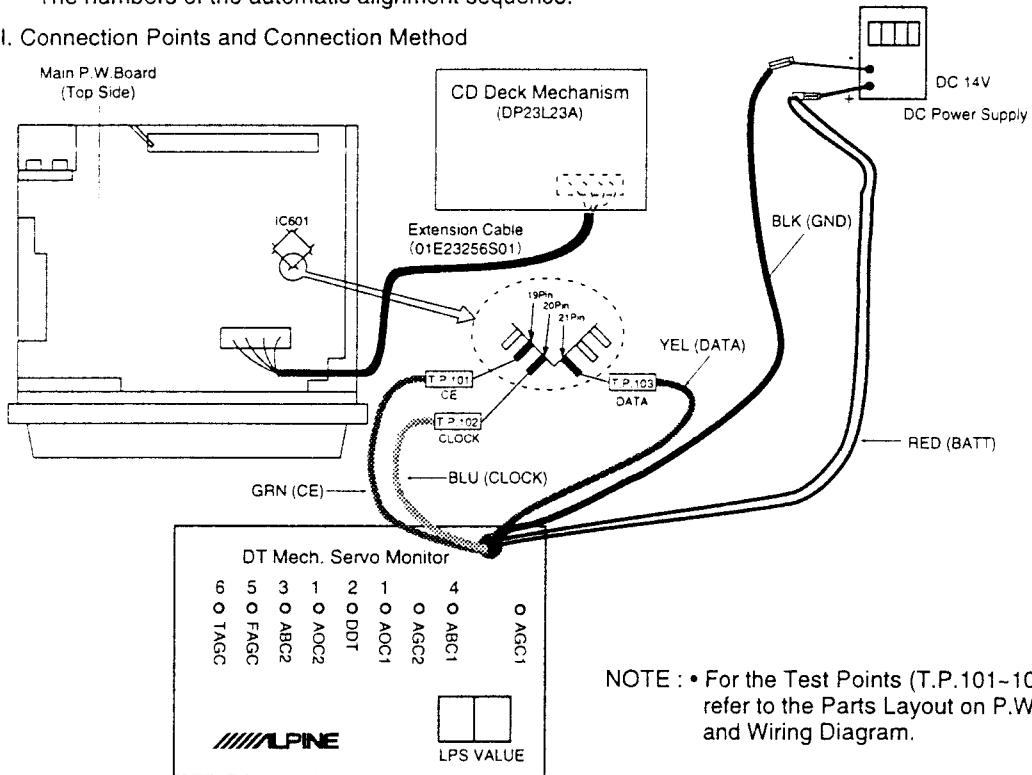
1. LED indicates the alignment.
2. Diagnosis of automatic alignment.
3. LED indicates a failure item for easy failure analysis of servo circuitry.

External View



* The numbers of the automatic alignment sequence.

II. Connection Points and Connection Method



Connect each of the wires to the Test point as illustrated in the diagram.

- * Be very careful not to shorts the test points since they are located close together.
- * DT Mech. Servo Monitor can be used for the DP-L mechanism.

III. Operating Specifications

The automatic adjustment operations of the CDM-7837R/CDM-7834R are performed by output of the commands of the various adjustment items from the main microprocessor. Adjustments are performed in response to these commands by the digital servo LSI. This servo monitor jig receives the signal returned to the main microprocessor from the digital servo LSI and causes the LED to light or go off. The adjustment condition (of either completed or not yet completed) of the various adjustment items can be checked using the lighting condition of this LED.

The following test discs are required for the good/fault judgment:

1. A-BEX TCD-721 (6th track - 1.2mm) : Scratch test disc
2. A-BEX TCD-782 : Signal test disc

Measures to be Taken Corresponding to the LED Indication

1. When a LED other than FAGC or TAGC lights, perform the fault causation analysis using the fault diagnosis chart according to the LED indication.
2. When only the FAGC or TAGC LED turn on a lights (indicating that the focus / tracking fine gain adjustment is not completed), perform the focus / tracking servo gain adjustment. If the value is within the specification, the adjustment is normal.

i) LED indications

| Adjustment Order | LED Name | Adjustment Order | Contents |
|------------------|----------|-------------------------------|---|
| 1 | AOC2 | Tracking offset adjustment | Corrects the tracking error value as an offset. |
| | AOC1 | Focus offset adjustment | Corrects the focus error value as an offset. |
| 2 | DDT | Disc detection | Detects the presence or absence of a disc. |
| 3 | ABC2 | Tracking balance adjustment | Corrects the average value of the tracking error as a balance value. |
| 4 | ABC1 | Focus balance adjustment | Correct until the RF level becomes maximum. |
| 5 | FAGC | Focus fine gain adjustment | Introduces external interference and adjusts the focus gain to an appropriate value. |
| 6 | TAGC | Tracking fine gain adjustment | Introduces external interference and adjusts the tracking gain to an appropriate value. |

ii) Seven-Segment LED (LPS Value)

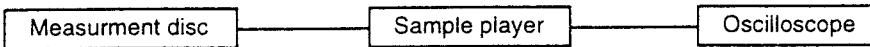
Not used since this model is a single CD player. Indication shows "00".

Measurements

A. RF Signal Level Measurement

The main beam of the returning light is received by the photodiode and the output voltage is obtained by current-voltage conversion of A+B+C+D.

1. Block Diagram



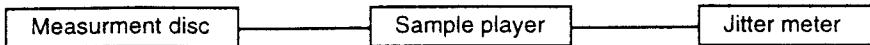
2. Measurement Method

- (a). Connect the ground terminal of the oscilloscope VRO (TA2066F (IC1102), pin 20) and measure the RFO signal (of TA2066F (IC1102), pin 21).
- (b). Play the first track of the measurement disc A-BEX TCD-782.
- (c). Read the peak-to-peak value of the waveform.
Specification: 1.2+0.3, -0.2V
* When the value is outside of the specification (i.e., not good), check TA2066F (IC1102) and the pick-up.

B. Jitter Measurement

The standard deviation of the pulse width when a trigger is applied to the rising edge of the 3T component of the RF signal.

1. Block Diagram



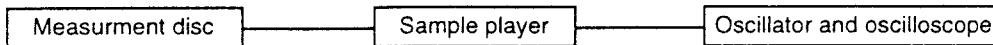
2. Measurement Method

- (a). Connect the ground terminal of the jitter meter to VRO (TA2066F (IC1102), pin 20) and measure the RFO signal (of TA2066F (IC1102), pin 21).
- (b). Play the first track of the measurement disc A-BEX TCD-782.
- (c). Read the indicated value of the jitter meter.
Specification: 25nS or less
* When the value is outside of the specification, check TA2066F (IC1102) and the pick-up.

C. Focus Servo Gain Measurement

Measure the focus servo open loop gain in the servo-on (closed loop) condition.

1. Block Diagram



2. Measurement Method using an Oscillator and an Oscilloscope

- Connect OSC output to resistor for gain measurement (100 ohm).
(Connect a servo driver side to positive side.)
- Connect CH1 of oscilloscope to a servo driver side of resistor for gain measurement (100 ohm).
(Connect negative side with GND of set.)
- Connect CH2 of oscilloscope to TC9296AF (IC1101) side of resistor for gain measurement (100 ohm).
(Connect negative side with GND of set.)
- Play back the eighth track of A-BEX TCD-782 disc for measurement. (No sound recording track)
- Output frequency (1.2 kHz, 200 mVP-P) from OSC and compare the amplitude of CH1 and CH2 of oscilloscope and convert into dB.

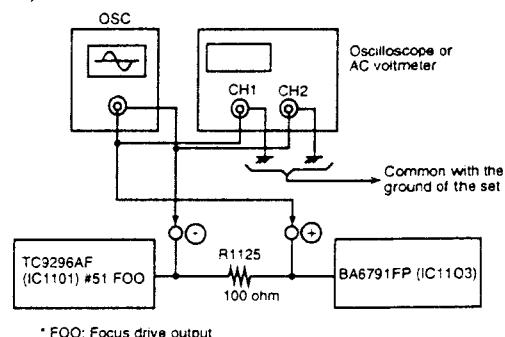
Gain (dB) = $20 \log (CH2/CH1)$

Specification : Gain Normal if it is within 0 ± 3 dB.

* If the specification is out (NG), TC9296AF (IC1101) (Digital Servo LSI) is malfunction.

NOTE: AC voltmeter is available to measurement.

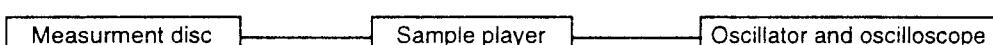
3. Connection (Example)



D. Tracking Servo Gain Measurement

Measure the tracking servo open loop gain in the servo-on (closed loop) condition.

1. Block Diagram



2. Measurement Method using Oscillator and an Oscilloscope

- Connect OSC output to resistor for gain measurement (100 ohm).
(Connect a servo driver side to positive side.)
- Connect CH1 of oscilloscope to a servo driver side of resistor for gain measurement (100 ohm).
(Connect negative side with GND of set.)
- Connect CH2 of oscilloscope to TC9296AF (IC1101) side of resistor for gain measurement (100 ohm).
- Play back the eighth track of A-BEX TCD-782 disc for measurement. (No sound recording track)
- Output frequency (1 kHz, 50 mVP-P) from OSC and compare the amplitude of CH1 and CH2 of oscilloscope and convert into dB.

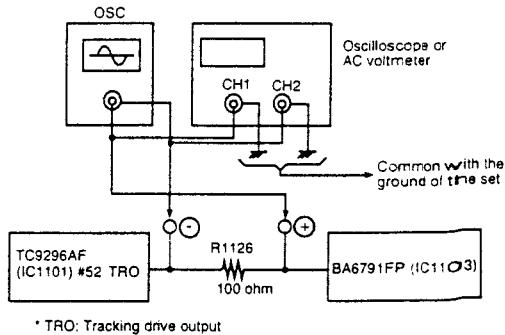
Gain (dB) = $20 \log (CH2/CH1)$

Specification : Gain Normal if it is within 0 ± 3 dB.

* If the specification is out (NG), TC9296AF (IC1101) (Digital Servo LSI) is malfunction.

NOTE: AC voltmeter is available to measurement.

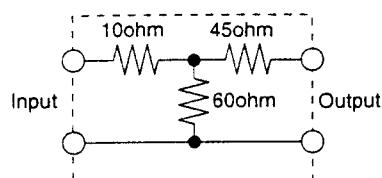
3. Connection (Example)



Adjustment Procedures

1. FM SECTION

(1) Dummy Antenna Circuit



For 50 ohm FM Signal Generator

Figure 1

(2) Connections

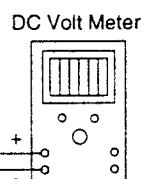
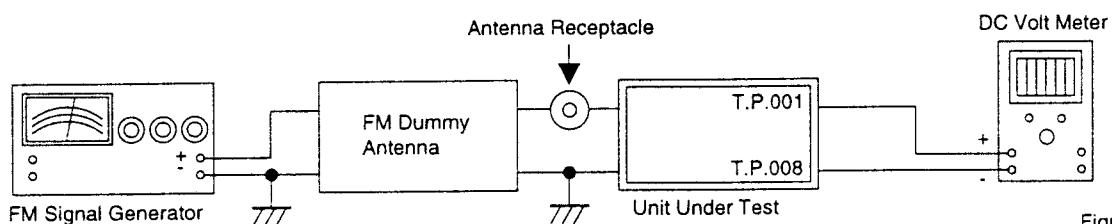


Figure 2

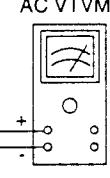
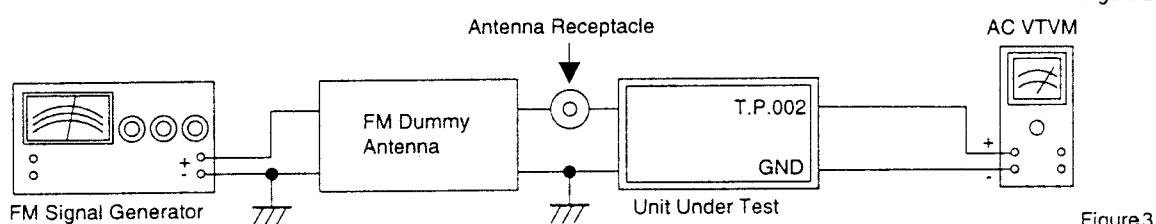


Figure 3

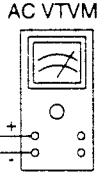
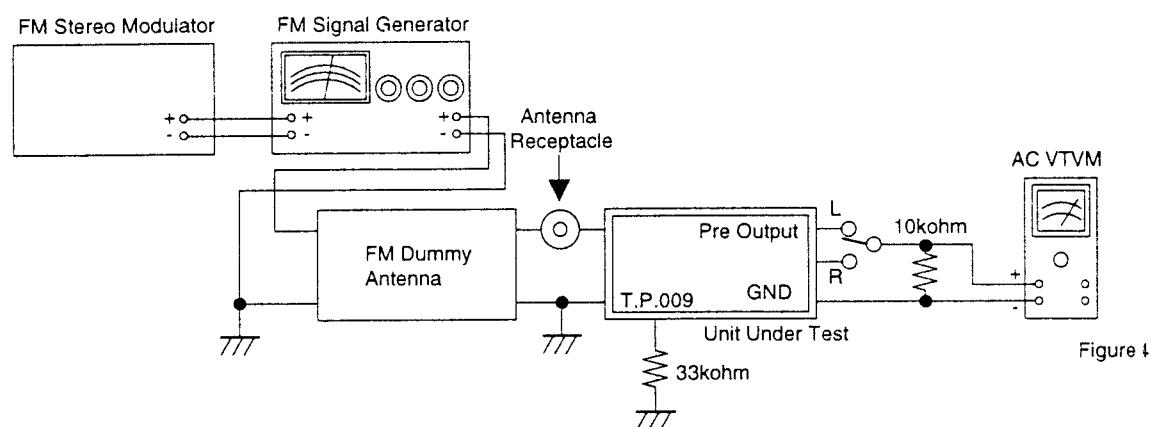


Figure 4

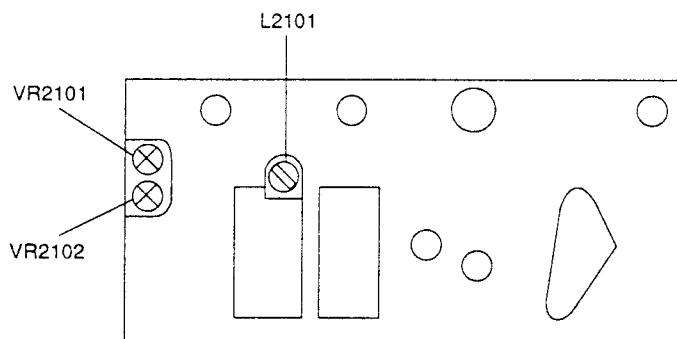
(3) Control Settings

| | | | |
|-----------------------|-----------------|--------------------|-----------------|
| Power Switch | ON | Bass Control | Center Position |
| Fader Control | Center Position | Band Switch | FM |
| Balance Control | Center Position | Others | OFF |
| Treble Control | Center Position | | |

(4) Adjustment Procedures

| Step | Description | Connection | Signal Generator | Dial Control | Test Point / P.W.Board Coordinates | Adjustment |
|------|-------------------------------|------------|---|--------------|--------------------------------------|--|
| 1 | IF Adjustment | Figure 2 | 98.1MHz, 72dB μ (Mod. OFF) | 98.1MHz | T.P.001 (1-D) T.P.008 (1-D) | Adjust L2101 to 15~25mV. |
| 2 | Signal Meter Adjustment | Figure 3 | 98.1MHz, 46dB μ (Mod. 400Hz, Dev. 40kHz) | 98.1MHz | T.P.002 (1-C) | Adjust VR2101 to 3.5 ± 0.1 V output. |
| 3 | Stereo Blend Adjustment (Lch) | Figure 4 | 98.1MHz, 46dB μ (Mod. 1kHz, Dev. 36kHz, Stereo, Lch only) | 98.1MHz | Pre Output T.P.009 (1-D) | Adjust VR2102 for Lch and Rch output level difference to be 8dB. |
| 4 | Stereo Blend Adjustment (Rch) | Figure 4 | 98.1MHz, 46dB μ (Mod. 1kHz, Dev. 36kHz, Stereo, Rch only) | 98.1MHz | Pre Output T.P.009 (1-D) | Proceed same adjustment under step 3. |

Adjustment Locations

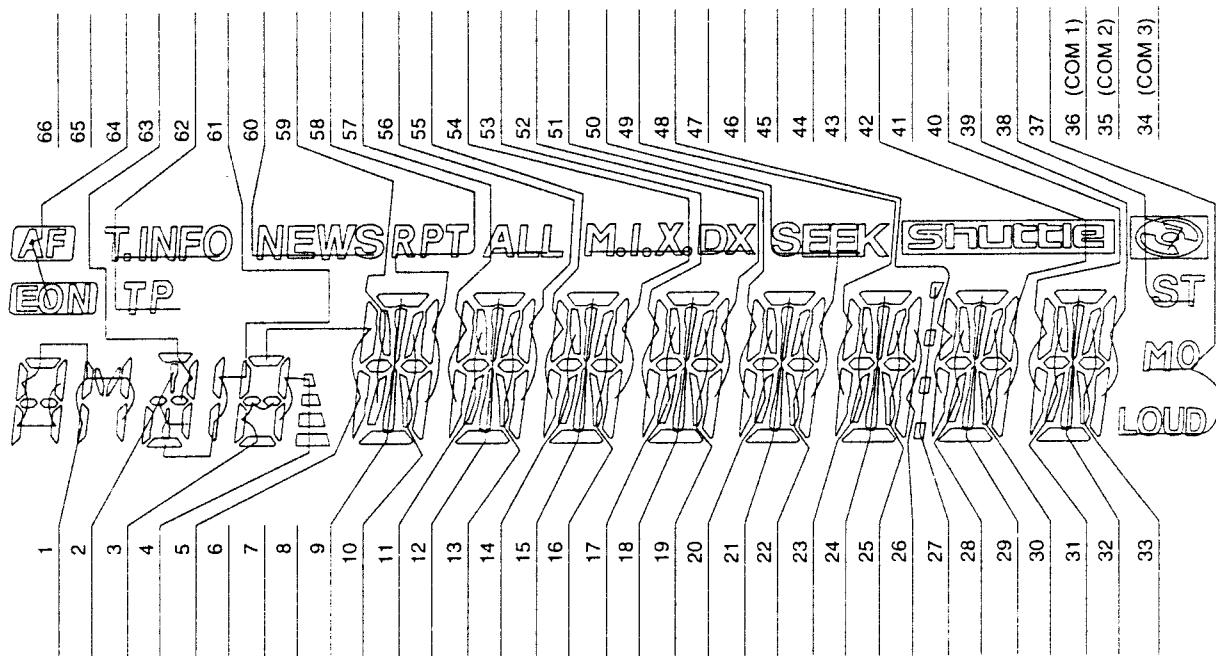


FM/MW/LW Tuner Unit, MB4R6050 (FE001)

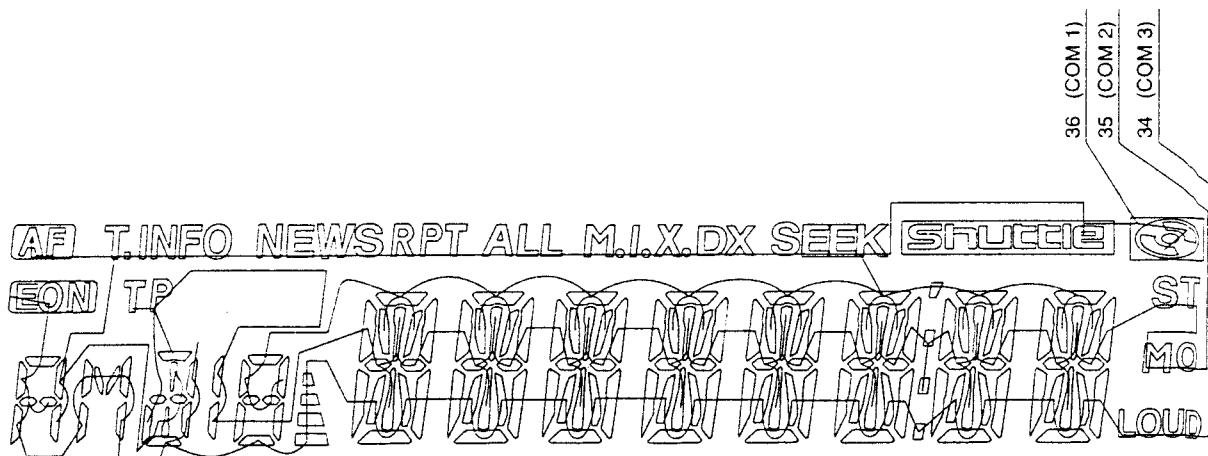
NOTE : For the Test Points (T.P.001, 002, 008, 009), refer to the Parts Layout on P.W.Boards and Wiring Diagram.

LCD Display

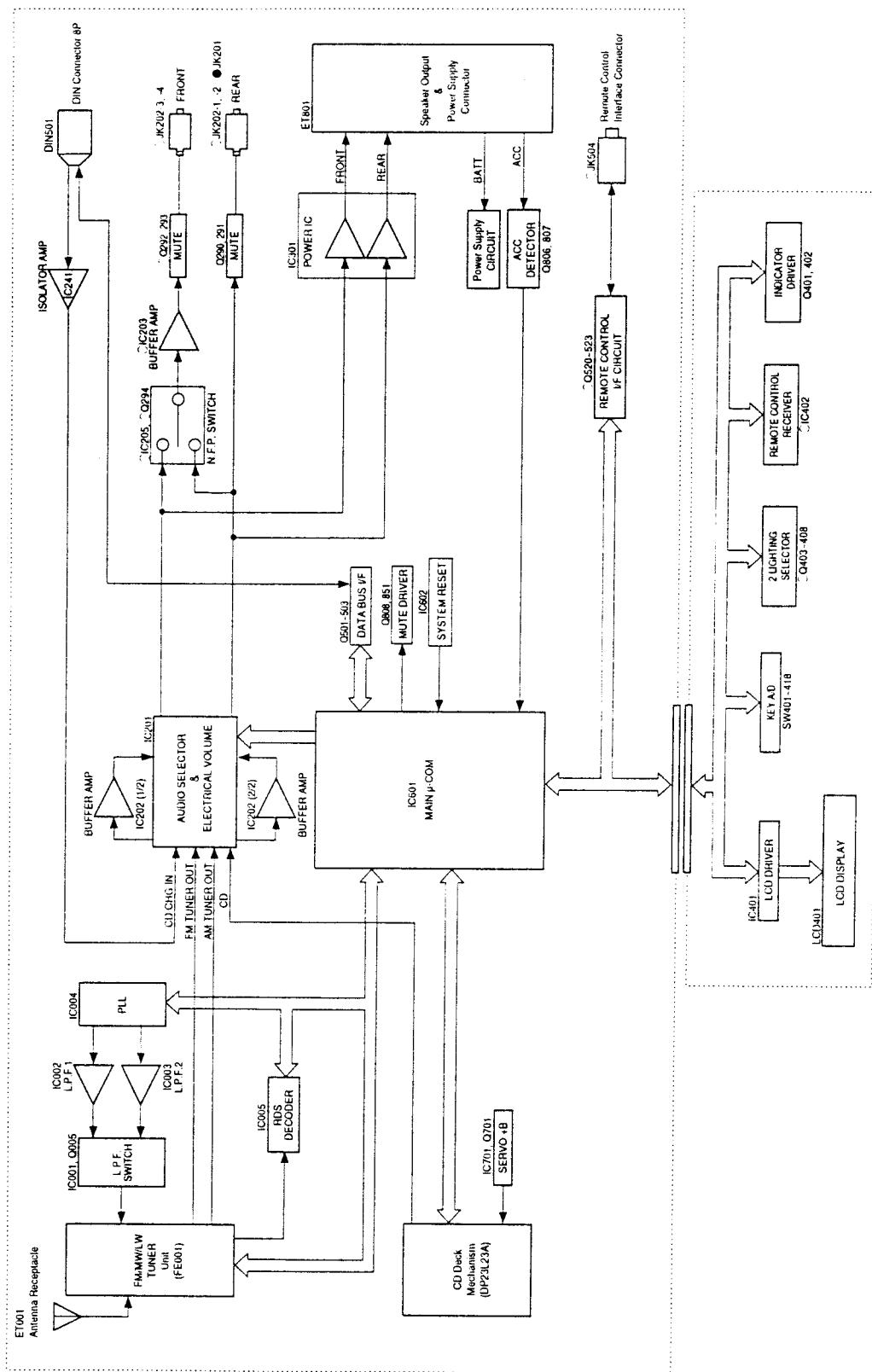
SEGMENT



COMMON

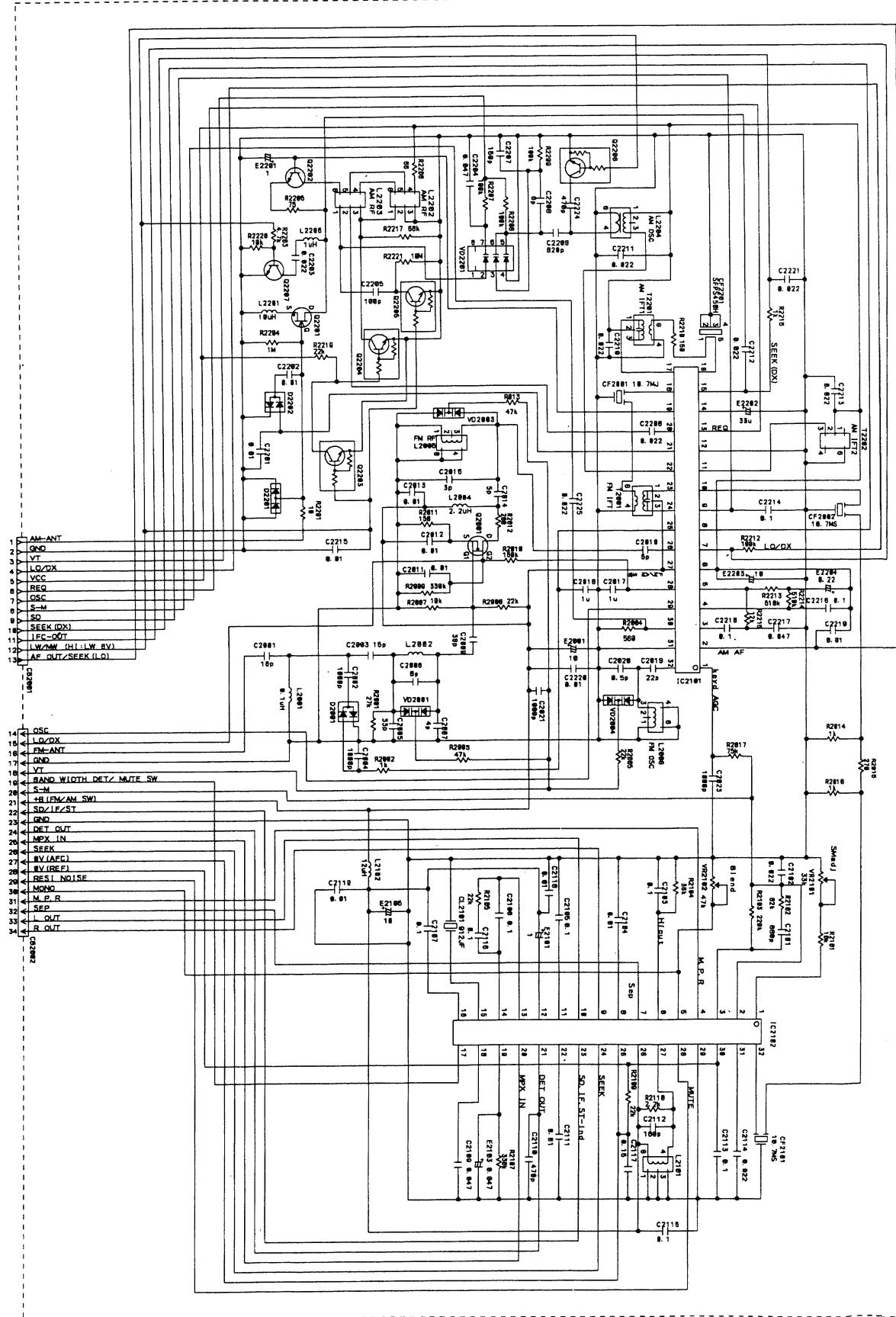


Block Diagram



NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Tuner Schematic Diagram



MEMO

Parts Layout on P.W. Boards and Wiring Diagram (1/4)

All P.W. Boards viewed from soldered side.

1

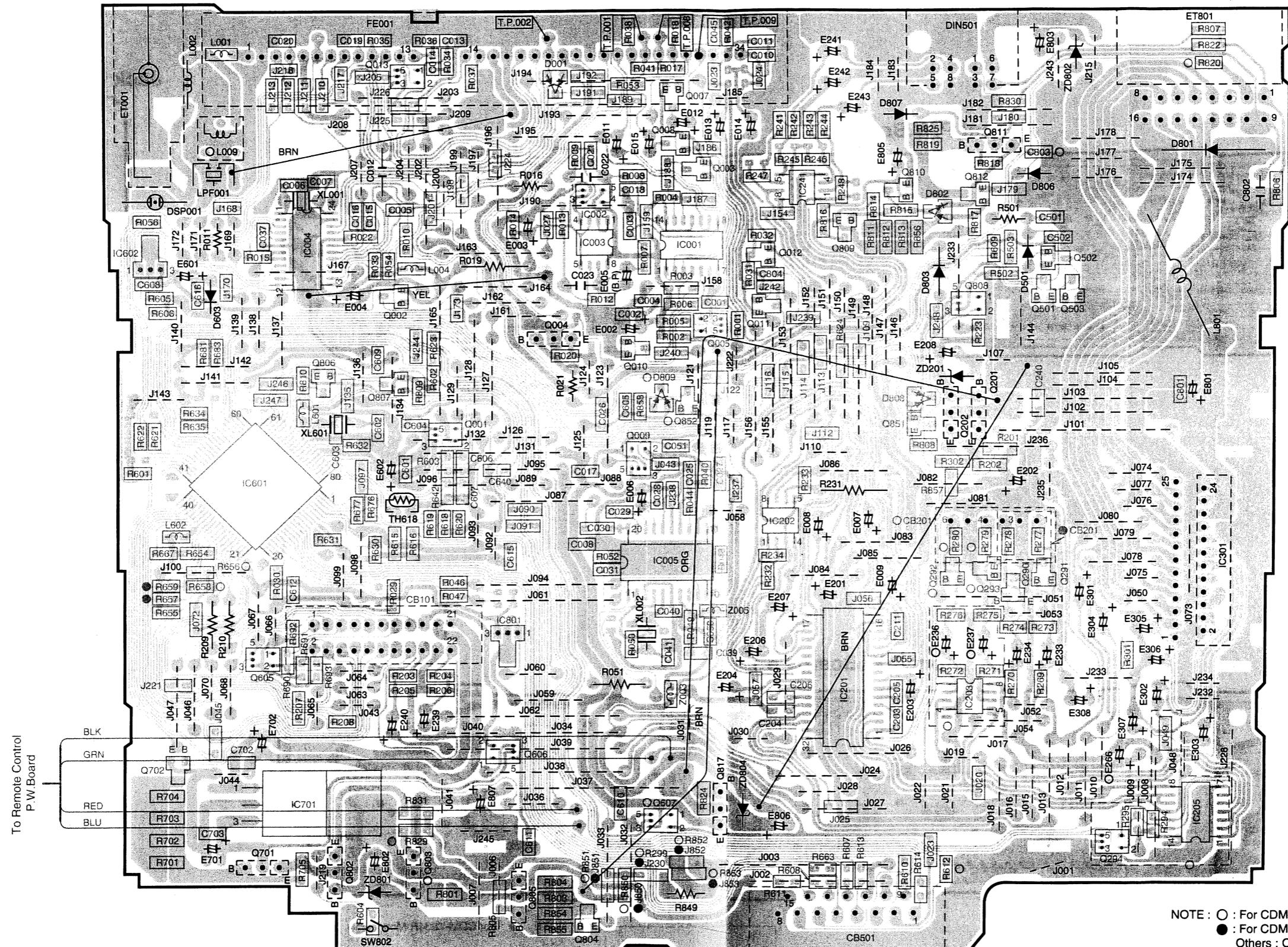
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3

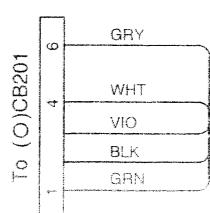
4

5

Main P.W. Board

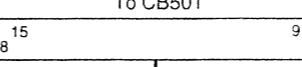
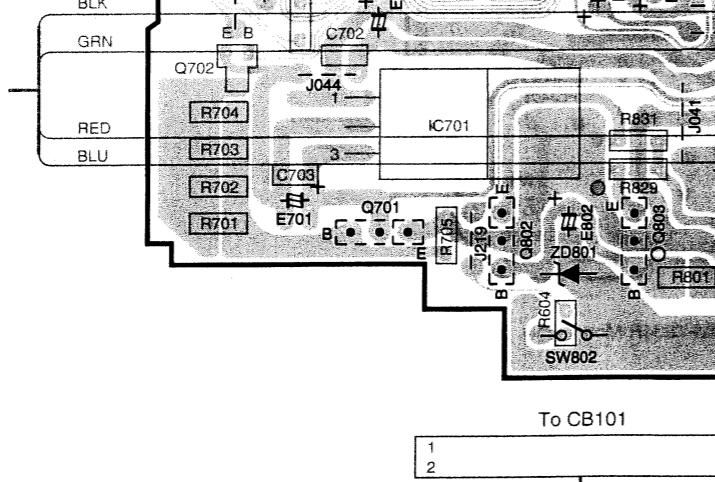


NOTE : ○ : For CDM-7837R Model Only
● : For CDM-7834R Model Only
Others : Common



From Jack P.W. Board (2) (●)

To Remote Control
P.W. Board



From Front P.W. Board (O CH401, ● CH3401)

Blue Color Pattern : Foil Side Pattern

A

B - 15 -

C

D

E

F - 16 -

G

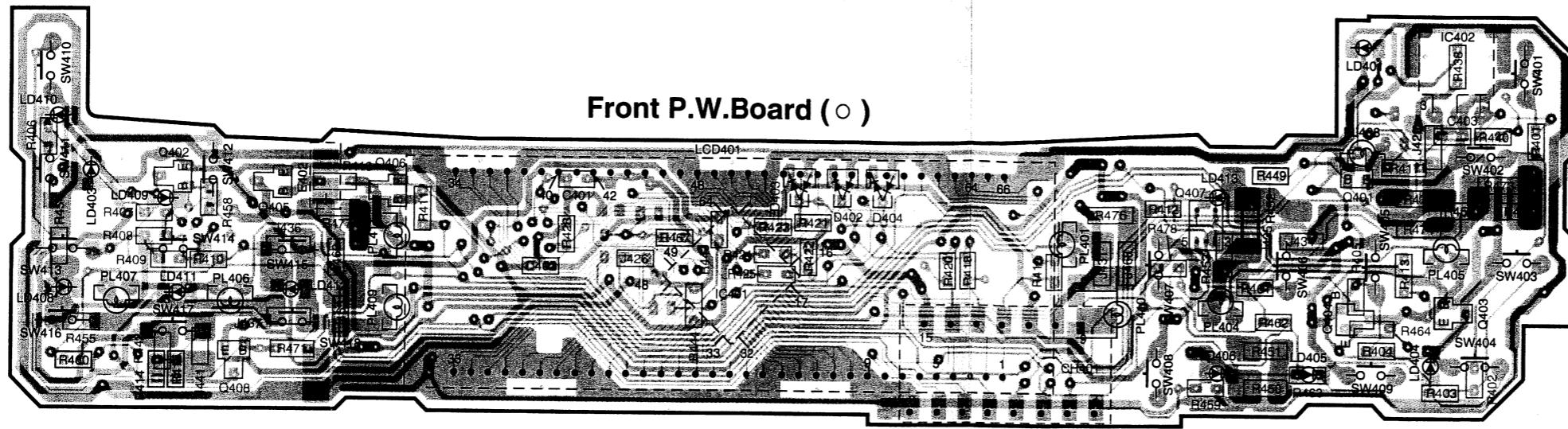
CDM-7837R/
CDM-7834R

CDM-7837R/
CDM-7834R

Parts Layout on P.W. Boards and Wiring Diagram (2/4)

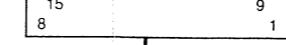
All P.W. Boards viewed from soldered side.

1

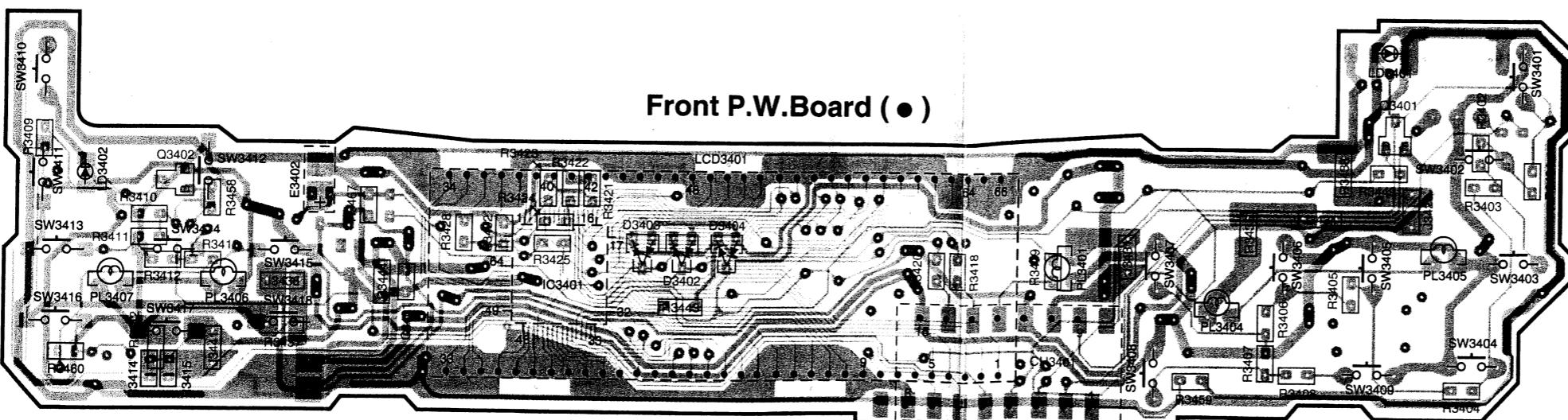


2

NOTE : ○ : For CDM-7837R Model Only

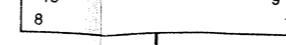


3

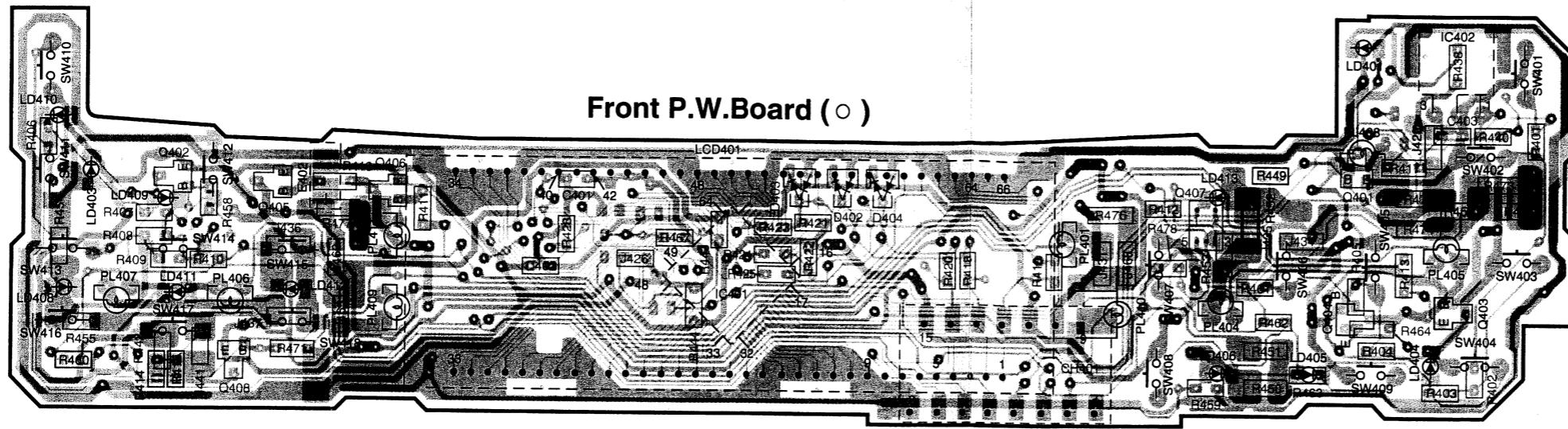


4

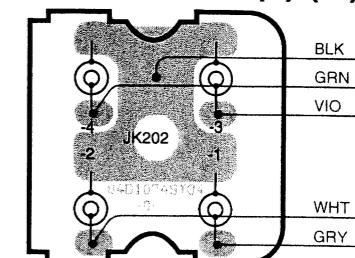
NOTE : ● : For CDM-7834R Model Only



5

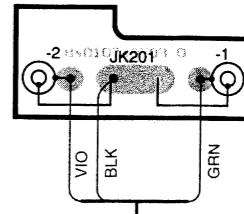


Jack P.W. Board (1) (○)



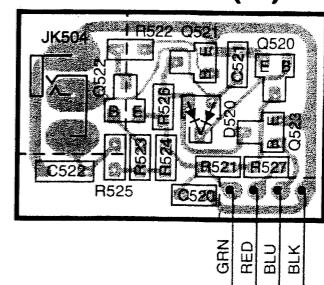
To Main P.W. Board (○ CB201)

Jack P.W. Board (2) (●)



To Main P.W. Board (● CB201)

Remote Control
P.W. Board (○)



To Main P.W. Board

A

B - 17 -

C

D

E

F - 18 -

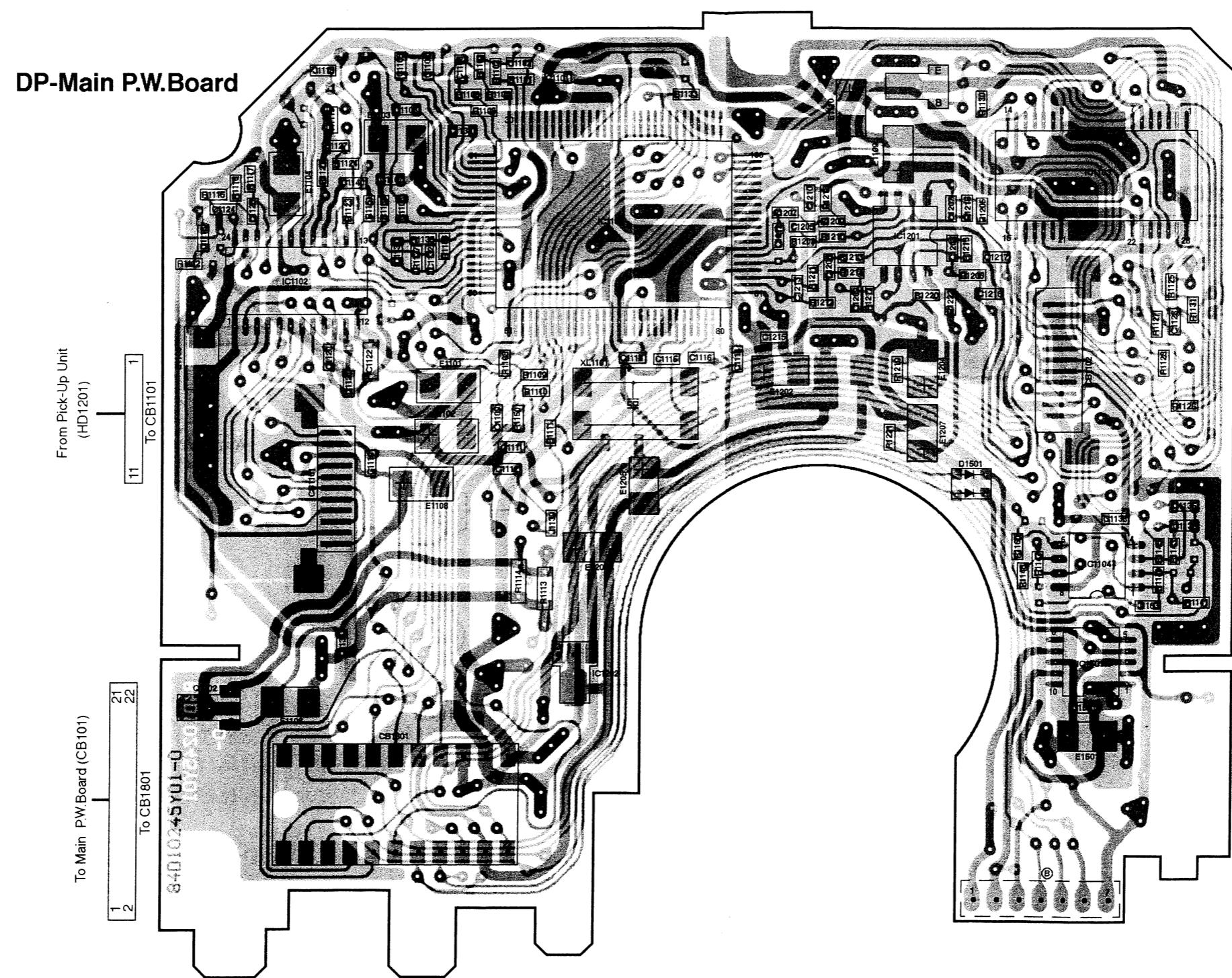
G

Orange Color Pattern: Component Side Pattern
Blue Color Pattern : Foil Side Pattern

Parts Layout on P.W. Boards and Wiring Diagram (3/4)

All P.W. Boards viewed from soldered side.

1
2
3
4
5



A

B - 19 -

C

D

E

F - 20 -

G

Orange Color Pattern: Component Side Pattern
Blue Color Pattern : Foil Side Pattern

Parts Layout on P.W. Boards and Wiring Diagram (4/4)**All P.W. Boards viewed from soldered side.**

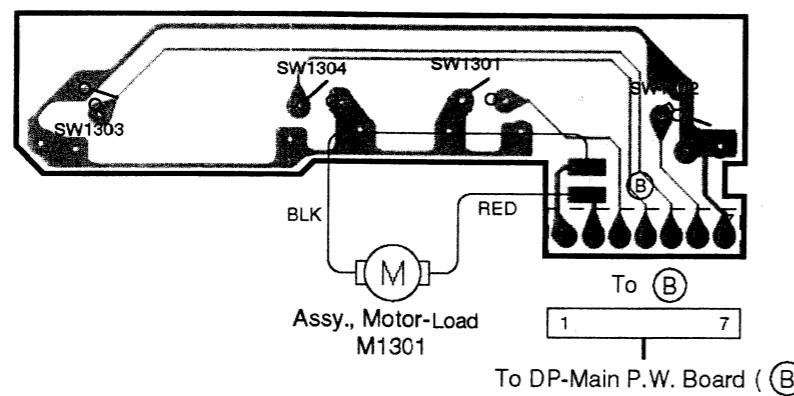
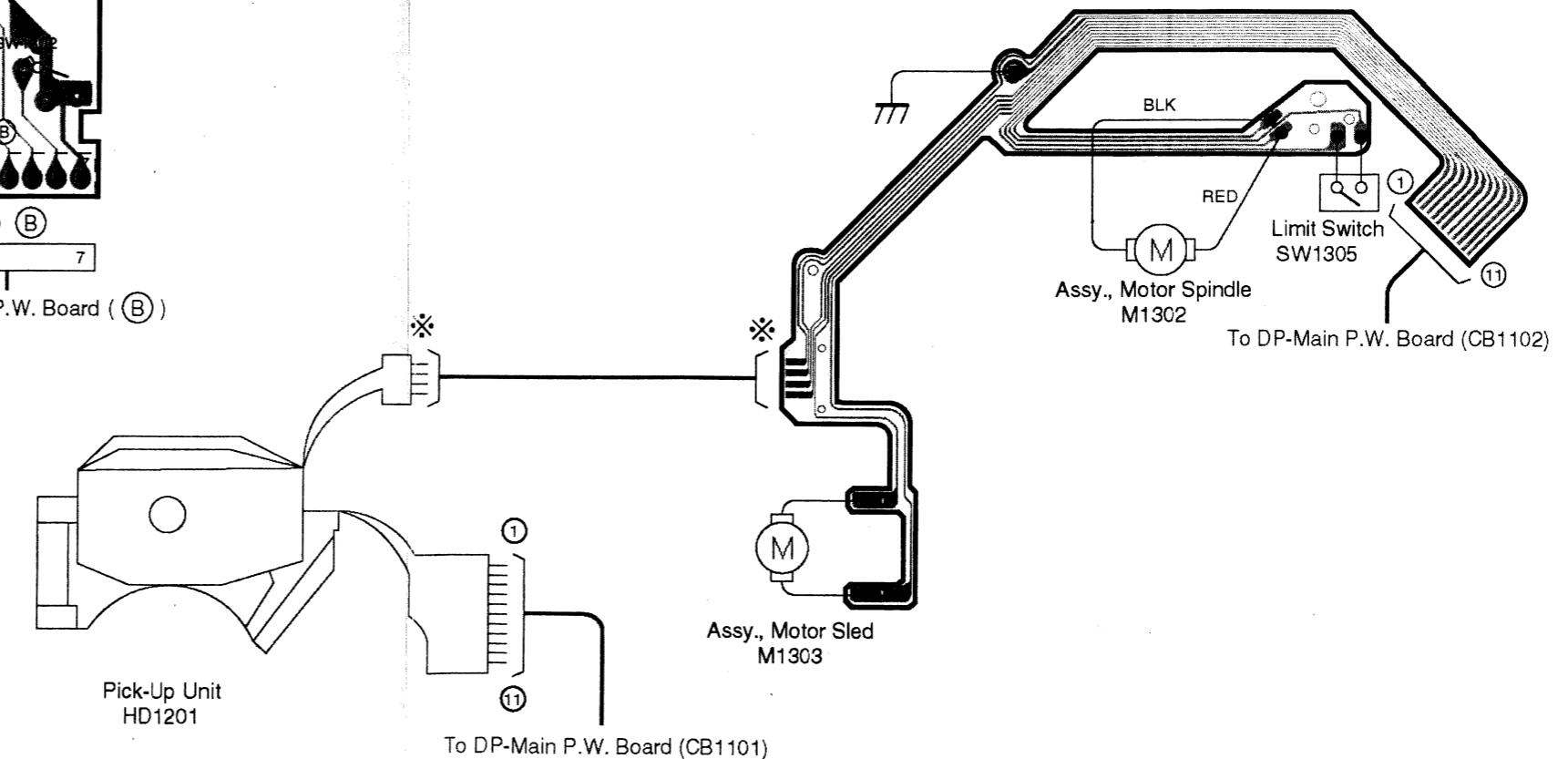
1

2

3

4

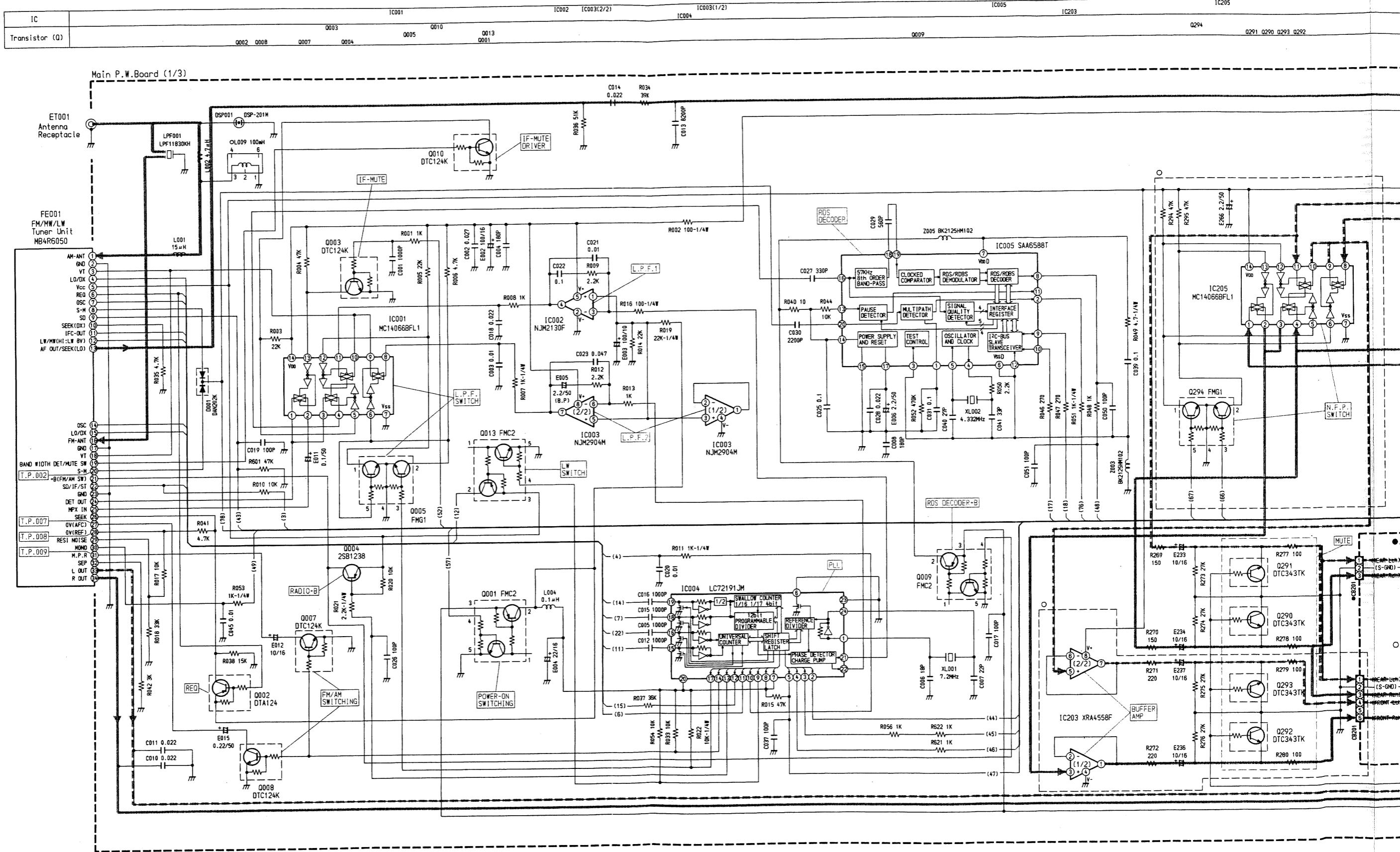
5

Switch / Motor P.W. Board**FPC DP-L Control P.W. Board****A****B** - 21 -**C****D****E****F** - 22 -**G**

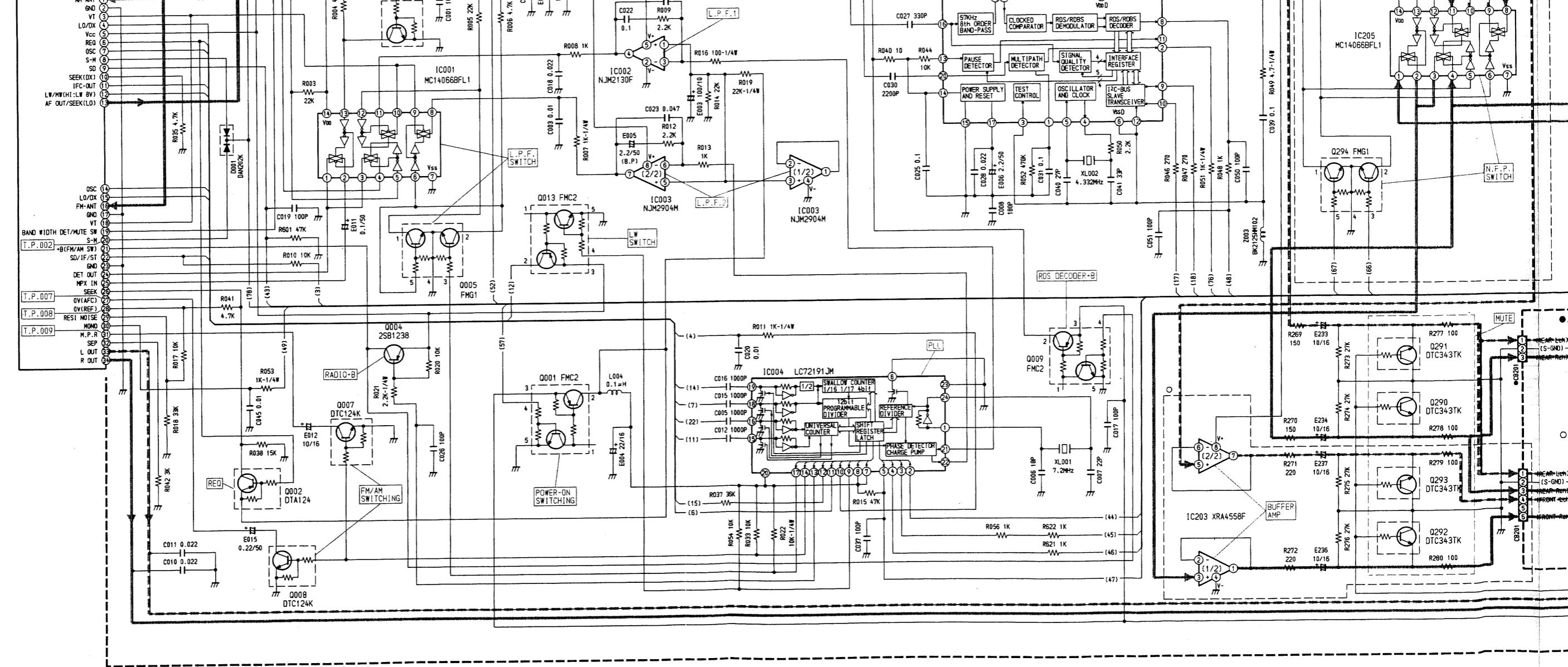
Blue Color Pattern : Foil Side Pattern

Schematic Diagram (1/5)

1



2



5

A

B - 23 -

C

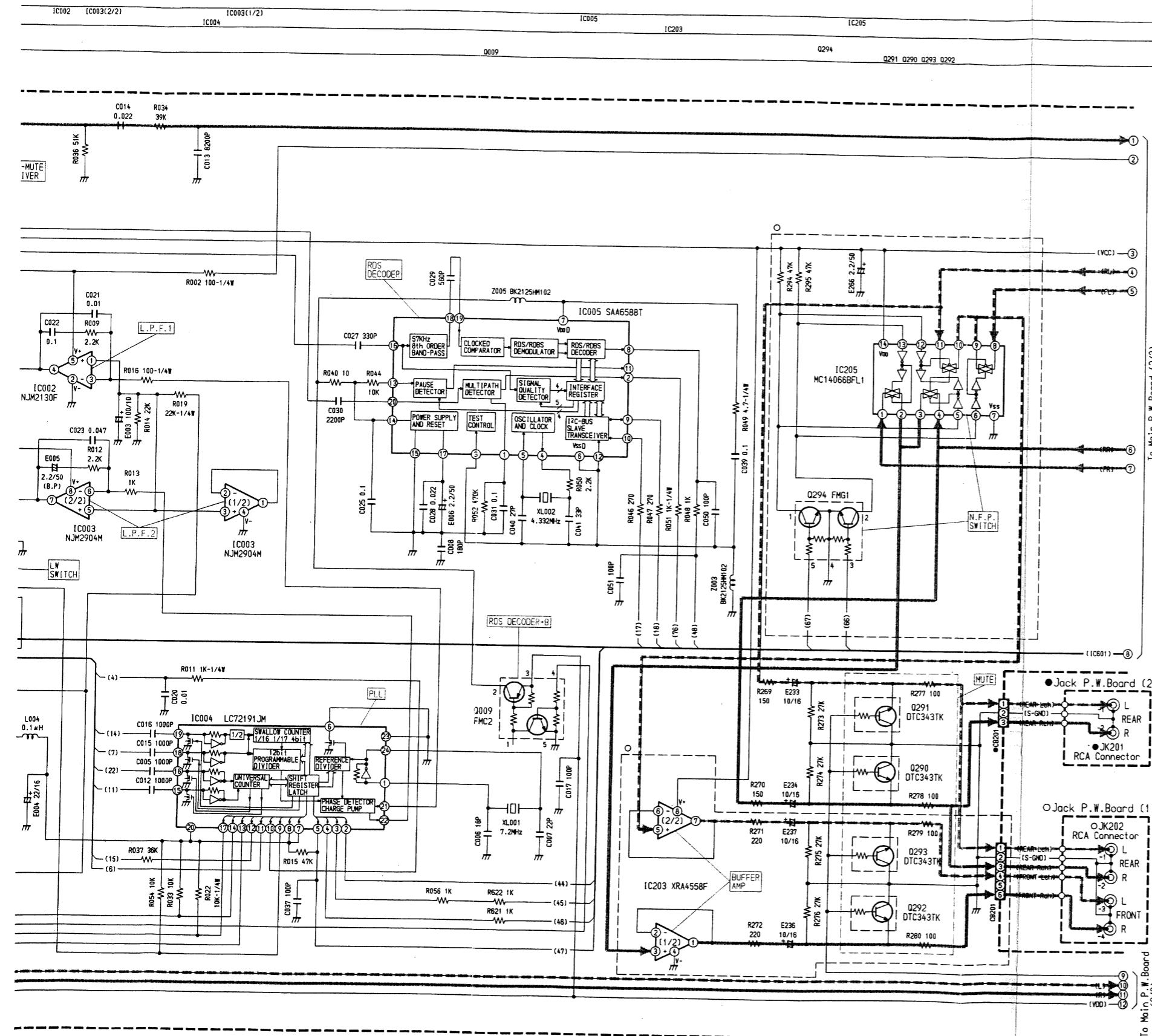
D

E

F - 24 -

G

H



| IC001 | | IC002 | | IC003 | | IC004 | | |
|-------|--------|-------|--------|-------|-----------------|-------------|--------|-------|
| 1-4 | 3.41V | 1 | 2.55V | 1-3 | 2.54V / 2.55V | FM / MW, LW | 15, 16 | 0V |
| 5 | 13.84V | 2 | 0V | 4 | 0V | | 17 | 3.6V |
| 6, 7 | 0V | 3 | 2.55V | 5, 6 | 2.54V / 2.55V | FM / MW, LW | 18 | 0V |
| 8 | 3.9V | 4 | 4.02V | 7 | 6.23V / 4.67V | FM / MW, LW | 19 | 2.61V |
| 9-11 | 4.02V | 5 | 13.87V | 8 | 13.87V / 13.97V | FM / MW, LW | 20 | 5.09V |
| 12 | 13.84V | | | 13 | 13.81V | | 21, 22 | 2.56V |
| 14 | 13.87V | | | 14 | 13.87V | | 23 | 0V |
| | | | | 13 | 0.3V / 8.7V | LW / Others | 24 | PS |
| | | | | 14 | 2.89V | | | |

| IC005 | | IC203 | | IC205 | |
|-------|-------|--------|-------|-------|-------|
| 1 | 1.45V | 12 | 0V | 1-4 | 4.37V |
| 2 | 2.24V | 13 | 2.53V | 4 | 0V |
| 3 | 0V | 14 | 4.98V | 5-7 | 4.36V |
| 4, 5 | PS | 15 | 0V | 5 | 0V |
| 6 | 0V | 16, 17 | 2.51V | 6 | 8.58V |
| 7 | 5.06V | 18 | 2.56V | 7 | 0V |
| 8-10 | PS | 19 | 2.5V | 8-11 | 4.33V |
| 11 | NC | 20 | 2.51V | 12 | 0V |

| | E | C | B | MODE |
|------|--------------|------------|---------------|-------------|
| Q002 | 5.09V | 5.06V | 0.12V | |
| Q003 | 0V | 13.8V | 0V | |
| Q004 | 8.68V / 8.7V | 8.61V / 0V | 7.94V / 8.69V | FM / MW, LW |
| Q007 | 0V | 0V | 2.88V | |
| Q008 | 0V | 0V | 2.88V | |
| Q010 | 0V | 13.84V | 0V | |
| Q290 | 0V / 0V | 0V / 0V | 14.19V / 0V | MUTE ON/OFF |
| Q291 | 0V / 0V | 0V / 0V | 14.19V / 0V | MUTE ON/OFF |
| Q292 | 0V / 0V | 0V / 0V | 14.19V / 0V | MUTE ON/OFF |
| Q293 | 0V / 0V | 0V / 0V | 14.19V / 0V | MUTE ON/OFF |

| | 1 | 2 | 3 | 4 | 5 |
|------|-------|-------|-------|-------|--------|
| Q001 | NC | 5.2V | 5.28V | 5.1V | 0V |
| Q005 | 0.11V | 0V | 3.61V | 0.11V | 13.87V |
| Q009 | NC | 8.59V | 5.28V | 5.09V | 0V |
| Q013 | NC | 0.21V | 8.66V | 0V | 8.62V |
| Q294 | 5.24V | 0V | 0V | 8.59V | 0V |

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between GND
- Measuring Conditions : Power ON
FM : 98.1MHz
No Modulation

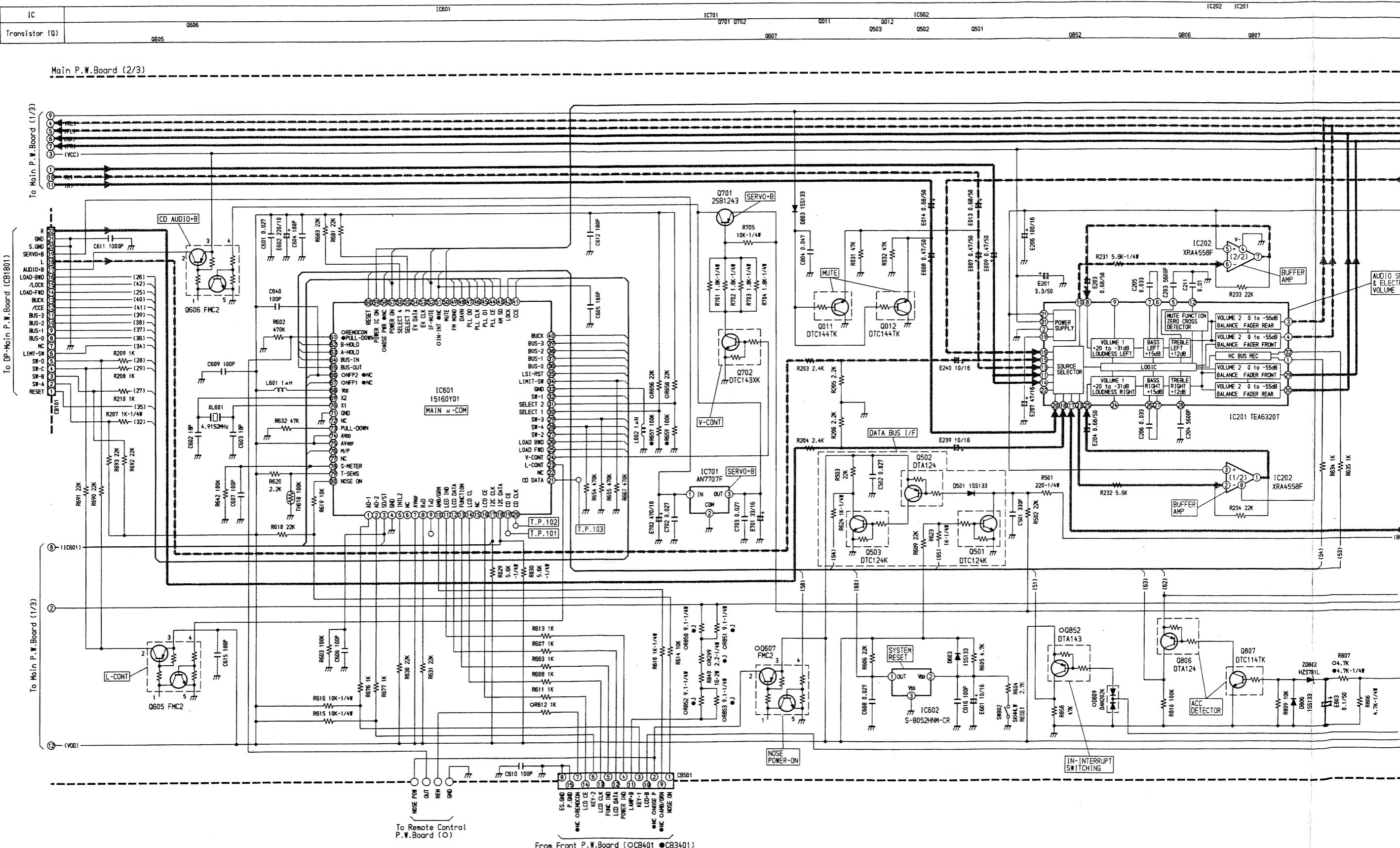
NOTE : ○ : For CDM-7837R Model Only,
● : For CDM-7834R Model Only,
Others : Common.

NOTE:

- All resistance values are in ohms. K = 1,000
- All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

Schematic Diagram (2/5)

1



A

B - 26 -

C

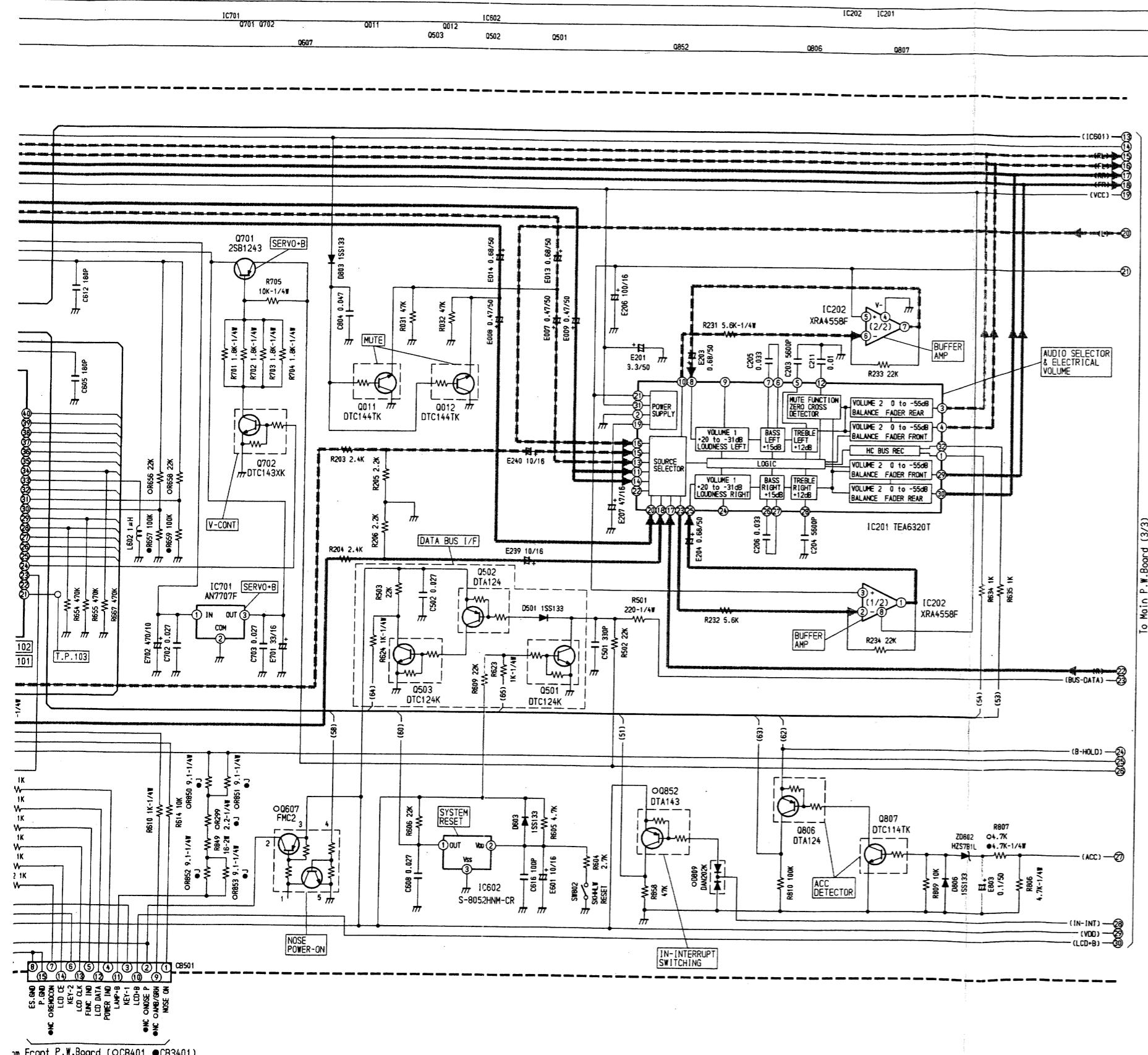
D

E

F - 27 -

G

H



| IC201 | IC202 | IC602 | IC701 |
|----------------------|-----------|-----------|-------------|
| 1 PS 17 4.36V | 1-3 4.36V | 1,2 5.26V | 1 6.84V CD |
| 2 0V 18 4.35V | 4 0V | 2 0V | 2 0V |
| 3-7 4.36V 19 8.59V | 5-7 4.36V | 3 0V | 3 14.16V CD |
| 8 4.3V 20 4.35V | 8 8.67V | 8 8.67V | |
| 9 NC 21 NC | | | |
| 10 4.36V 22 4.35V | | | |
| 11 4.35V 23 NC | | | |
| 12 8.61V 24 4.34V | | | |
| 13 4.34V 25 4.3V | | | |
| 14 4.35V 26-30 4.36V | | | |
| 15 4.34V 31 8.67V | | | |
| 16 4.35V 32 PS | | | |

| IC601 | 1,2 | 5.25V | CD | 32-34 | 0V | | 82 | PS | CD | |
|-------|----------|-------------|----|-------|----------|-------------|-------|-------|-------|----|
| 3 | 4.36V | CD | | 35 | 5.27V | CD | 63 | 5.09V | CD | |
| 4 | 0V | | | 36-41 | PS | CD | 64 | 5.27V | CD | |
| 5 | 5.25V | CD | | 42 | 0V | | 65 | 0V | | |
| 6 | NC | | | 43 | 0.2V | CD | | | | |
| 7 | 5.26V | CD | | 44-47 | PS | FM | 66 | 0 | NC | |
| 8 | 5.25V | CD | | 48 | 5.19V | CD | 67 | 0 | 5.27V | CD |
| 9 | PS | CD | | 49 | 1.304V | CD | | ● | NC | |
| 10 | 0V | | | 50 | 5.19V/0V | MUTE ON/OFF | 68 | 5.28V | CD | |
| 11 | 5.25V | CD | | 51 | ○ | 0V | 69,70 | PS | CD | |
| 12 | PS | CD | | 52 | ● | NC | 71 | 0V | | |
| 13 | 5.25V | CD | | 53 | 0V | | 72 | NC | | |
| 14 | PS | CD | | 54,55 | PS | CD | 73 | 0V | | |
| 15 | NC | | | 56 | 5.27V | CD | 74 | 5.28V | CD | |
| 16-21 | PS | CD | | 57 | ○ | 5.27V | CD | 75 | PS | CD |
| 22 | NC | | | 58 | ● | NC | 76 | 0.12V | CD | |
| 23 | 0V/5.24V | DISC IN/OUT | | 59 | 5.27V | CD | 77 | NC | | |
| 24 | 5.23V | CD | | 60 | 5.26V | CD | 78 | 4.29V | CD | |
| 25-27 | 0V | | | 61 | 5.27V | CD | 79 | 5.13V | CD | |
| 28 | 0V/4.98V | DISC IN/OUT | | 62 | 5.26V | CD | 80 | 2.66V | CD | |
| 29 | 0V | | | 63 | ○ | PS | CD | | | |
| 30,31 | 5.27V | CD | | 64 | ● | 0V | | | | |

| | E | C | B | MODE |
|------|--------|--------|-----------|-------------|
| Q011 | 0V/0V | 0V/0V | 13.65V/0V | MUTE ON/OFF |
| Q012 | 0V/0V | 0V/0V | 13.65V/0V | MUTE ON/OFF |
| Q501 | 0V | 14.27V | 0.26V | |
| Q502 | 5.27V | 0V | 5.25V | |
| Q503 | 0V | 5.25V | 0V | |
| Q701 | 14.29V | 0V | 14.27V | |
| Q702 | 0V | 14.27V | 0V | |
| Q806 | 5.09V | 5.08V | 0V | |
| Q807 | 0V | 0V | 4.07V | |
| Q852 | 5.27V | 0V | 5.26V | |

| | 1 | 2 | 3 | 4 | 5 |
|------|----|--------|-------|-------|-------|
| Q605 | NC | 0V | 5.25V | 0V | 5.23V |
| Q606 | NC | 14.12V | 8.66V | 8.57V | 0V |
| Q607 | NC | 5.22V | 5.24V | 5.19V | 0V |

[Measuring Conditions]

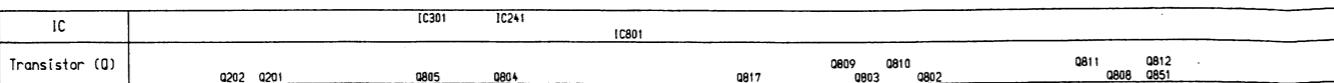
- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between GND
- Measuring Conditions : Power ON
- FM : 98.1MHz
- No Modulation

NOTE : ○ : For CDM-7837R Model Only,
● : For CDM-7834R Model Only,
Others : Common.

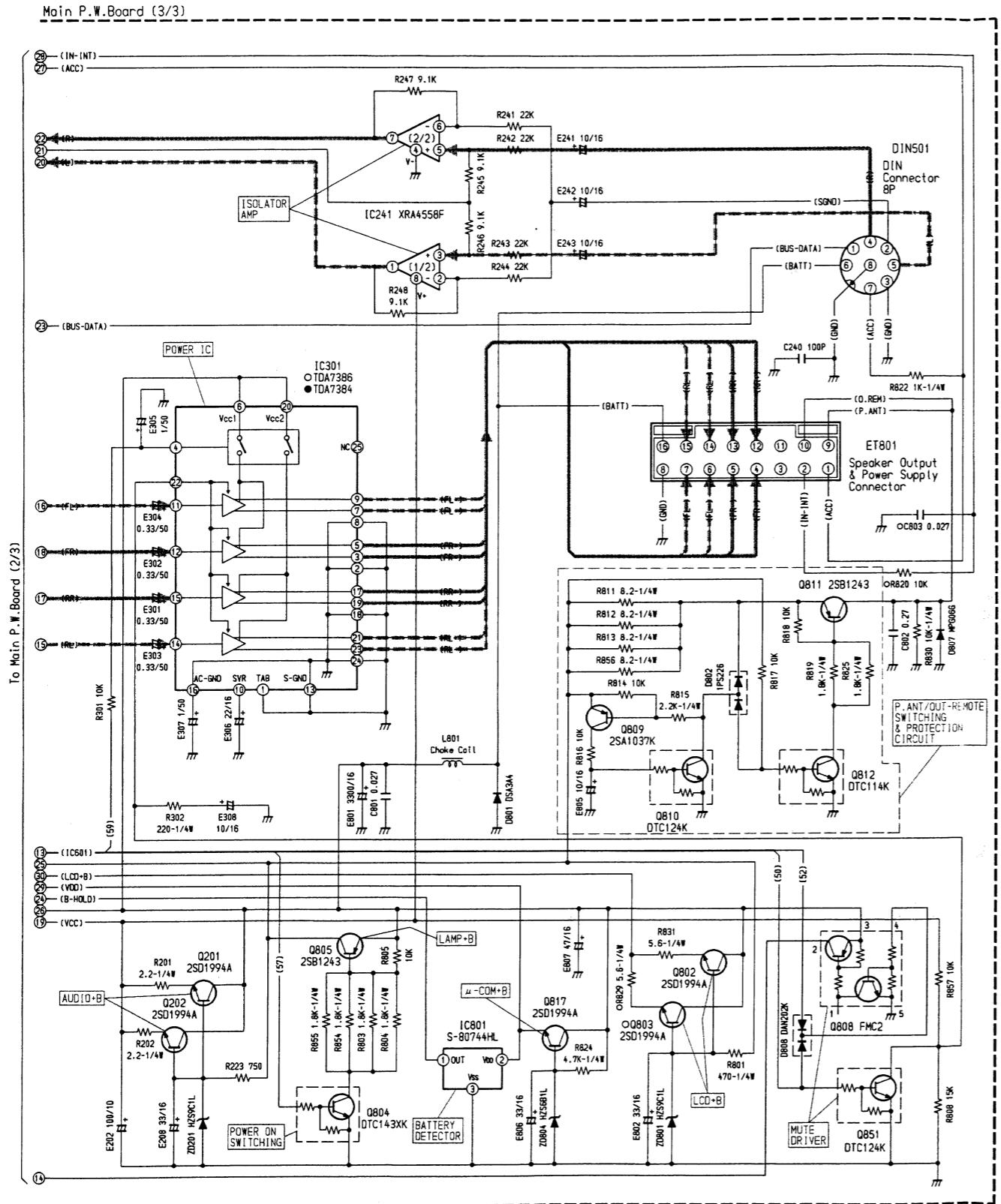
NOTE:
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1,000,010}$

Schematic Diagram (3/5)

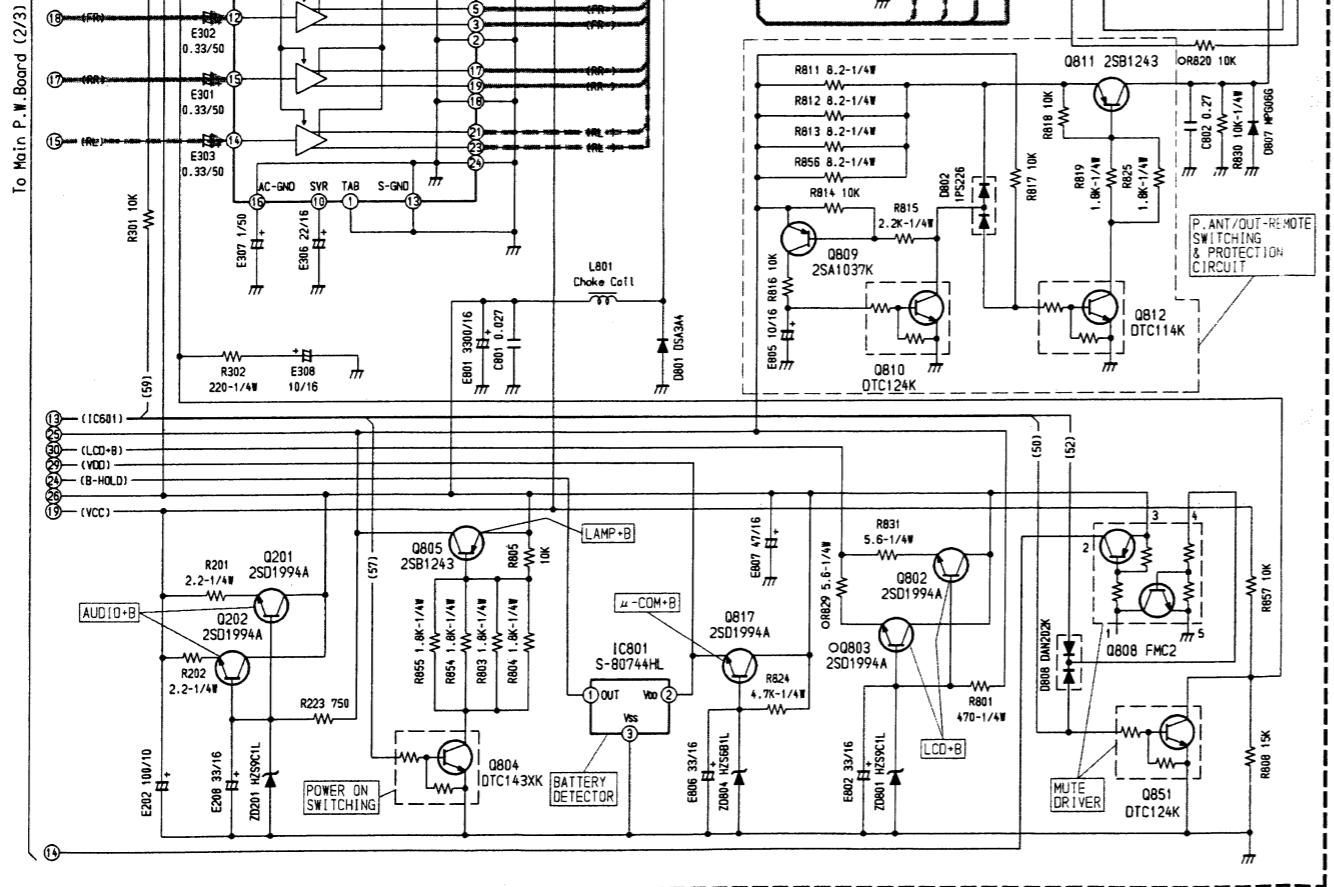
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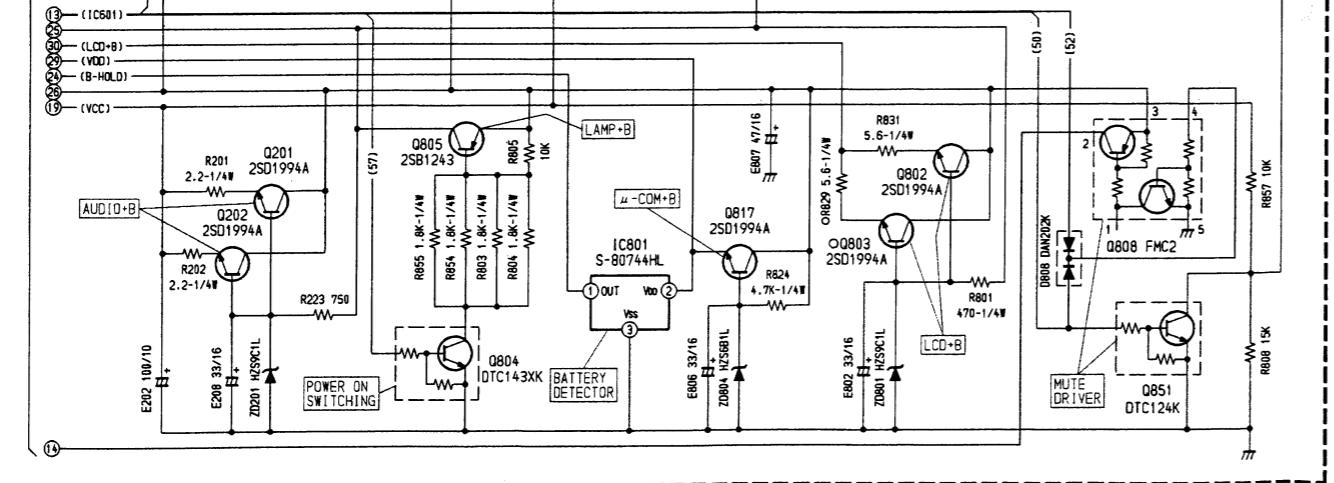
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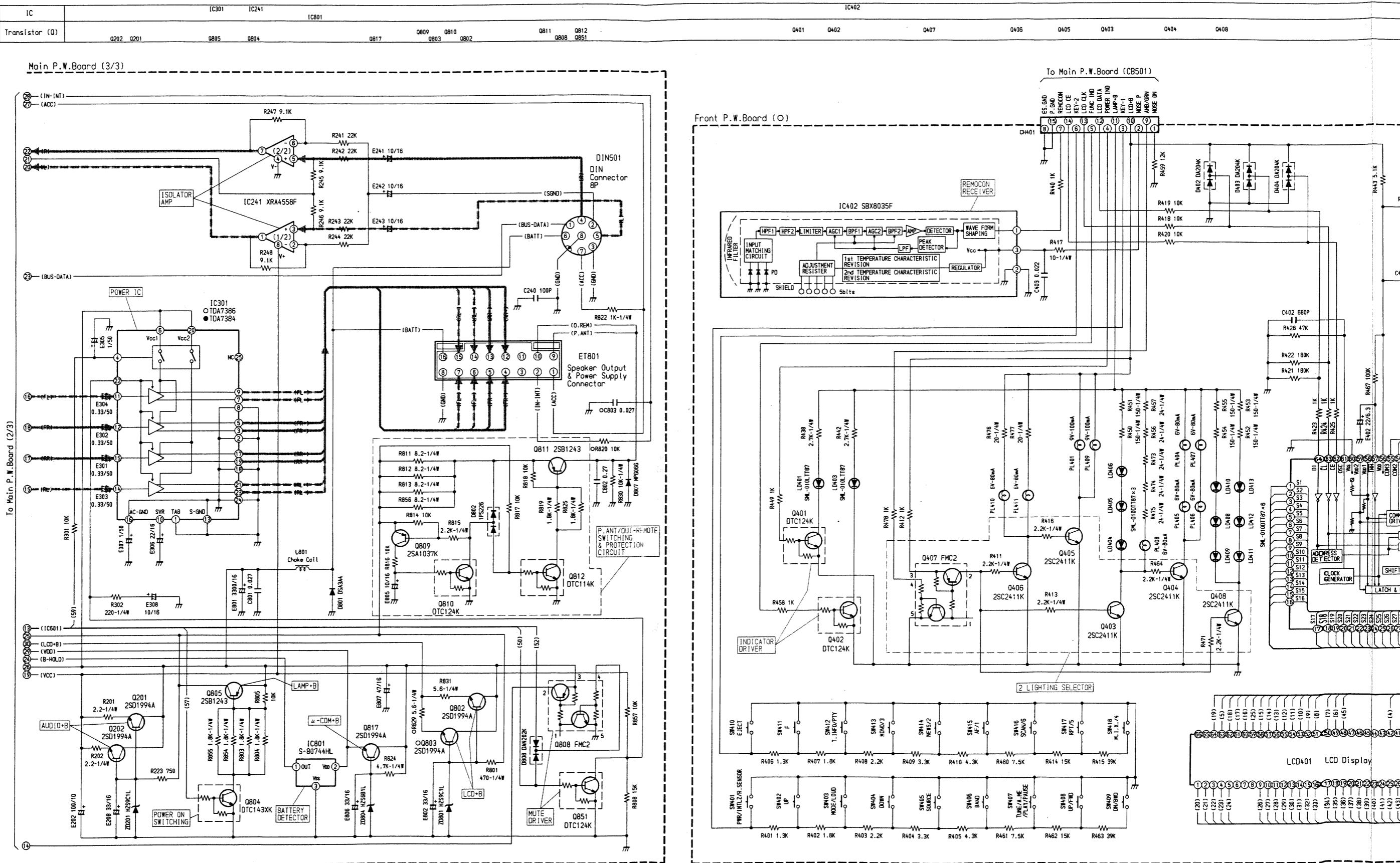
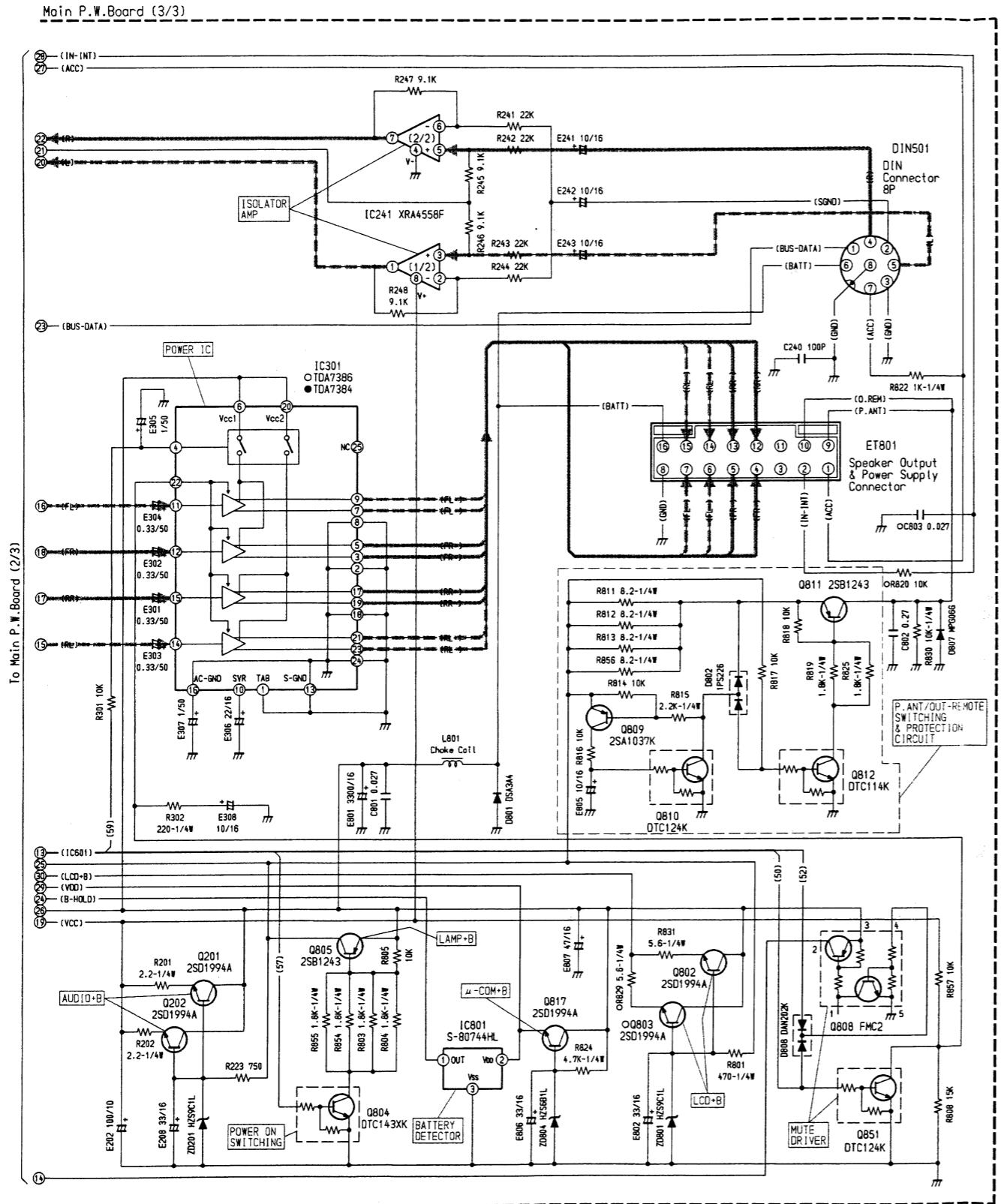
3



4



5



A

B - 29 -

C

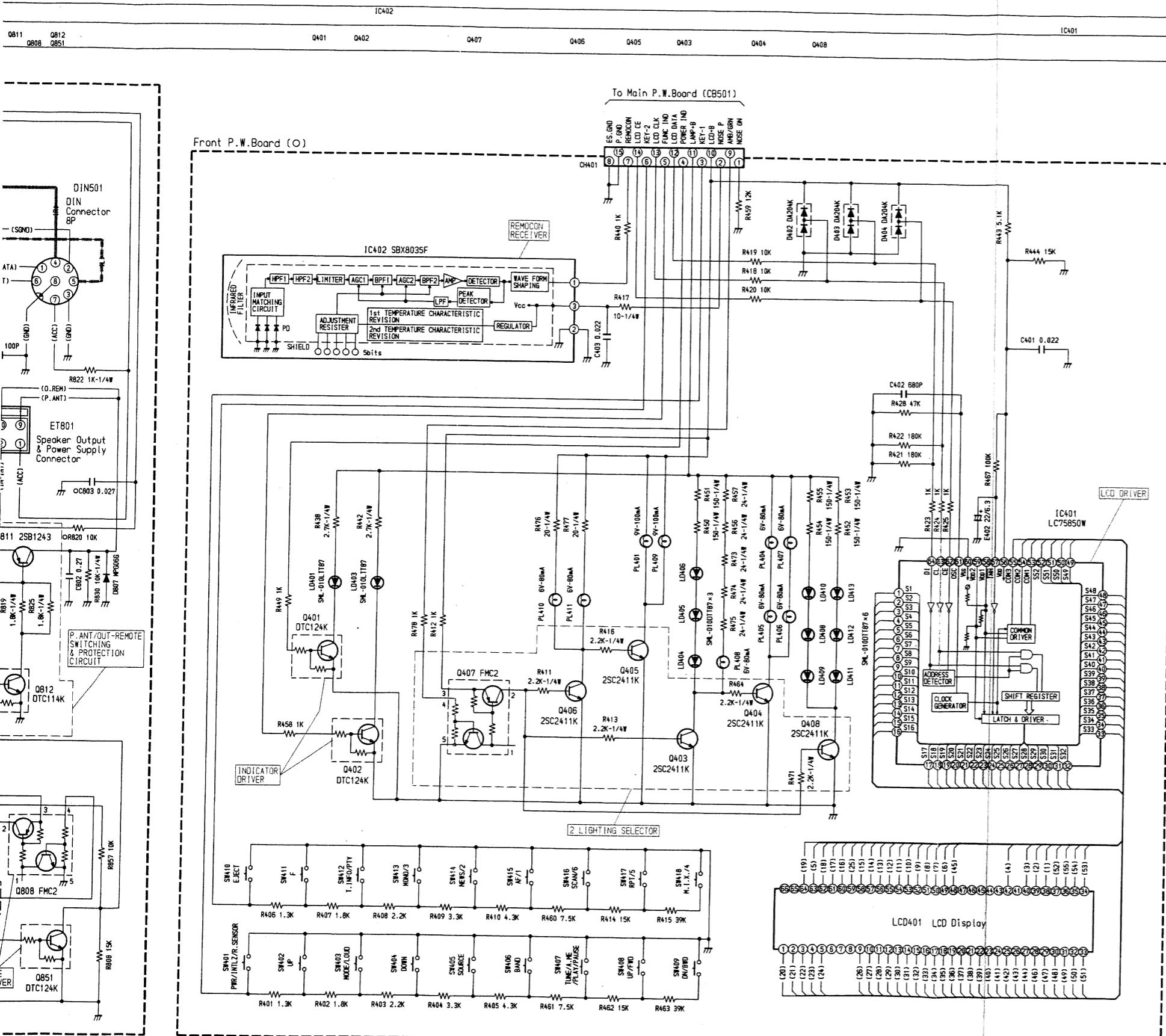
D

E

F - 30 -

G

H



| IC241 | | IC301 | | ○ IC401 | | ○ IC402 | | IC801 | |
|-------|-------|--------|-------|---------|-------|---------|-------|-------|-------|
| 1-3 | 4.34V | 1, 2 | 0V | 14, 15 | 7.15V | 1-55 | PS | 1 | 0V |
| 4 | 0V | 3 | 7.27V | 16 | 7.21V | 56 | 5.42V | 2 | 0V |
| 5-7 | 4.34V | 4 | 5.27V | 17 | 7.3V | 57 | 4.98V | 3 | 5.22V |
| | | 5 | 7.25V | 18 | 0V | | | | |
| | | 6 | 14.3V | 19 | 7.27V | | | | |
| | | 7 | 7.3V | 20 | 14.3V | | | | |
| | | 8 | 0V | 21 | 7.28V | | | | |
| | | 9 | 7.35V | 22 | 5.18V | | | | |
| | | 10 | 7.22V | 23 | 7.3V | | | | |
| | | 11, 12 | 7.15V | 24 | 0V | | | | |
| | | 13 | 0V | 25 | NC | | | | |

| | E | C | B | MODE | | E | C | B | |
|--------|-------|-------------|-------------|---------|------|--------|--------|--------|--------|
| Q201 | 8.8V | 14.3V | 9.41V | | | ○ Q803 | 9.1V | 14.29V | 9.67V |
| Q202 | 8.81V | 14.3V | 9.41V | | | Q804 | 0V | 0.12V | 5.19V |
| ○ Q401 | 0V | 0.26V | 3.72V | | | Q805 | 14.29V | 14.25V | 13.59V |
| ○ Q402 | 0V | 0.25V | 4.84V | | | Q809 | 14.2V | 14.2V | 13.5V |
| ○ Q403 | 0V/0V | 8.25V/0.27V | 0V/3.03V | GRN/ORG | Q810 | 0V | 0V | 9.7V | |
| ○ Q404 | 0V/0V | 0.7V/0.8V | 7.58V/0.34V | GRN/ORG | Q811 | 13.53V | 14.2V | 14.21V | |
| ○ Q405 | 0V/0V | 0.7V/0.8V | 7.58V/0.34V | GRN/ORG | Q812 | 0V | 0V | 7.39V | |
| ○ Q406 | 0V/0V | 8.25V/0.27V | 0V/3.03V | GRN/ORG | Q817 | 5.22V | 14.29V | 5.81V | |
| ○ Q408 | 0V/0V | 8.25V/0.27V | 0V/3.03V | GRN/ORG | Q851 | 0V | 5.18V | 5.19V | |
| Q802 | 9.1V | 14.29V | 9.67V | | | | | | |

| | 1 | 2 | 3 | 4 | 5 | MODE |
|--------|----|-------------|-------------|----------|--------|---------|
| ○ Q407 | NC | 0.05V/3.78V | 8.41V/3.86V | 0V/4.91V | 0V/0V | GRN/ORG |
| Q808 | NC | 0V | 14.34V | 0V | 14.28V | |

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between GND
- Measuring Conditions : Power ON
FM : 98.1MHz
No Modulation

NOTE : ○ : For CDM-7837R Model Only,
● : For CDM-7834R Model Only,
Others : Common.

NOTE:

- All resistance values are in ohms. K = 1,000
- All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

D

E

F - 30 -

G

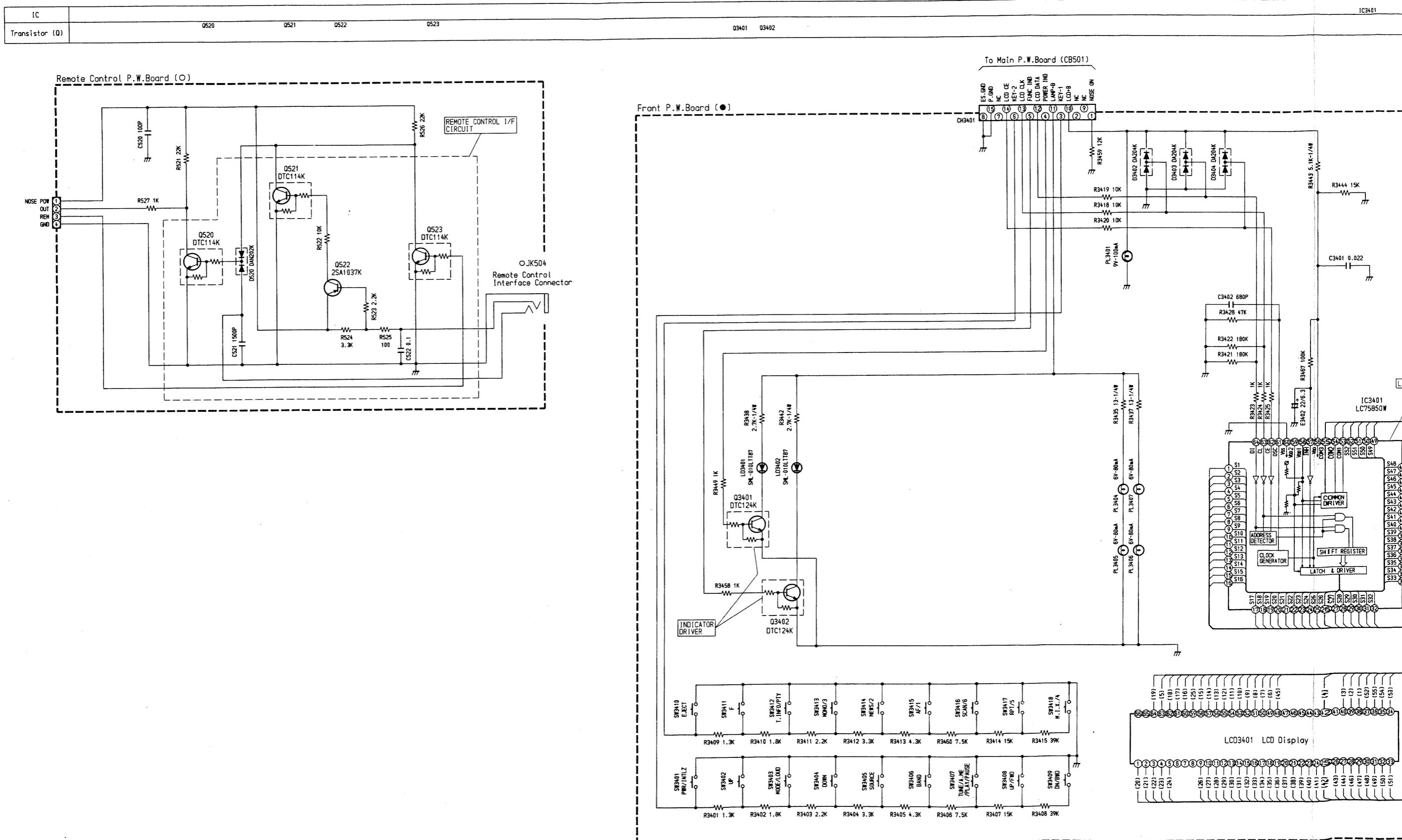
H

J - 31 -

K

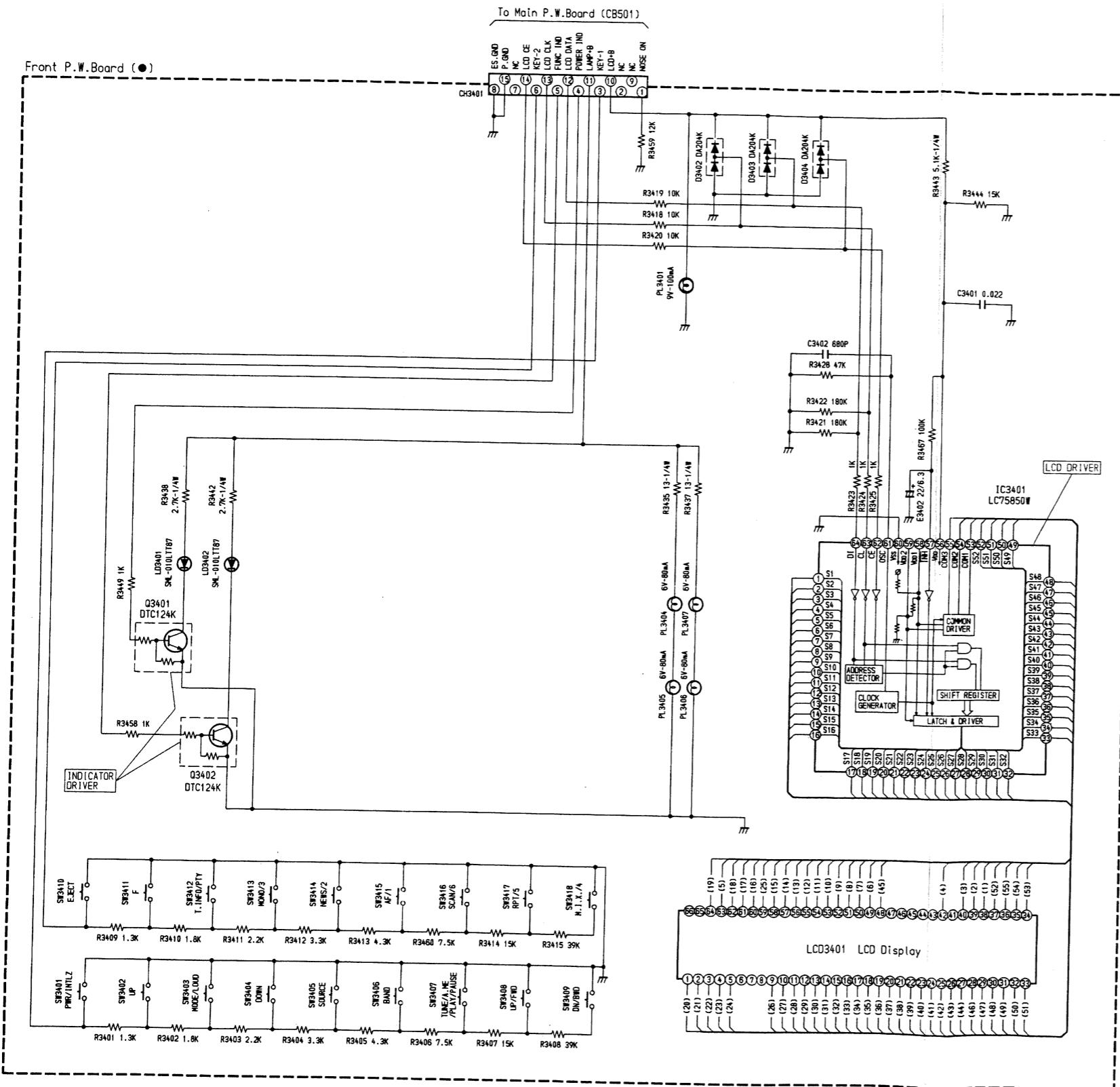
Schematic Diagram (4/5)

1

**A****B - 32 -****C****D****E****- 33 - F****G****H**

03401 03402

IC3401



● IC3401

| | |
|--------|-------|
| 1-55 | PS |
| 56 | 5.44V |
| 57 | 4.98V |
| 58, 59 | NC |
| 60 | 0V |
| 61-64 | PS |

| | E | C | B |
|--------|-------|-------|-------|
| ○Q520 | 0V | PS | PS |
| ○Q521 | 0V | 0V | 2.79V |
| ○Q522 | 5.13V | 5.11V | 4.5V |
| ○Q523 | 0V | 0V | PS |
| ●Q3401 | 0V | 0.26V | 3.72V |
| ●Q3402 | 0V | 0.25V | 4.84V |

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between GND
- Measuring Conditions : Power ON
FM : 98.1MHz
No Modulation

NOTE : ○ : For CDM-7837R Model Only,
● : For CDM-7834R Model Only,
Others : Common.

NOTE:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

D

E

- 33 - F

G

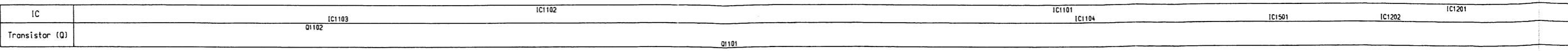
H

J - 34 -

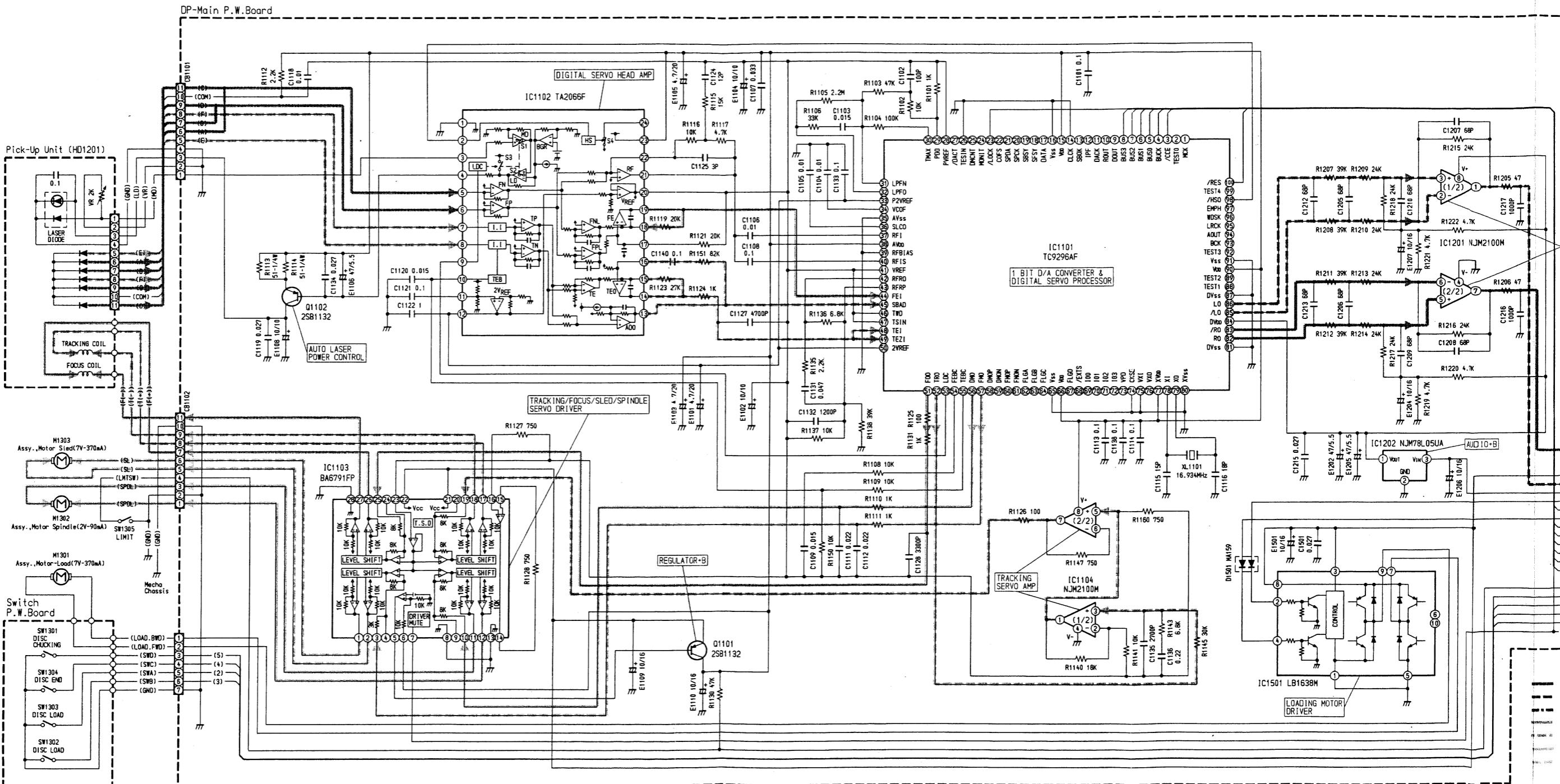
K

Schematic Diagram (5/5)

1



2



3

4

5

A

B - 35 -

C

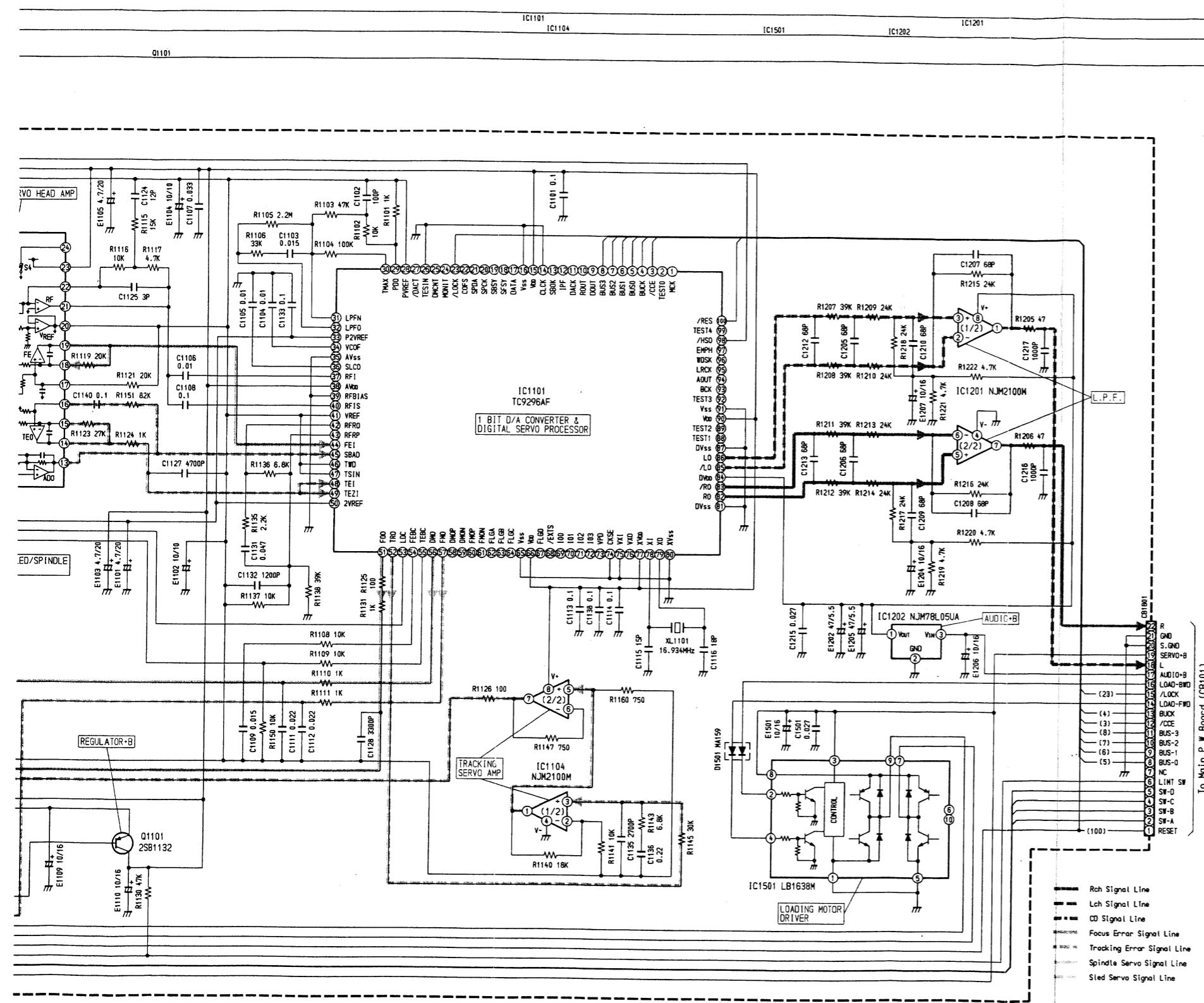
D

E

F - 36 -

G

H



| IC1101 | | IC1102 | |
|--------|------|--------|------|
| 1,2 | NC | 33 | 4.3V |
| 3-9 | PS | 34 | 1.2V |
| 10-13 | NC | 35 | 0V |
| 14 | 0V | 36 | 2.2V |
| 15 | 5V | 37 | 0V |
| 16 | 0V | 38 | 5V |
| 17-22 | NC | 39 | 0V |
| 23 | 0V | 40 | PS |
| 24,25 | NC | 41 | 2.2V |
| 26 | 0V | 42 | 3.6V |
| 27 | NC | 43 | 2.8V |
| 28 | 2.1V | 44 | 2.2V |
| 29 | PS | 45 | 0V |
| 30-32 | 2.1V | 46-49 | 2.2V |
| | | 80,81 | 0V |

| IC1103 | | IC1104 | | IC1201 | | IC1202 | |
|--------|------|--------|------|--------|------|--------|------|
| 1 | 3.3V | 15 | 2.2V | 1 | 2.5V | 1 | 5V |
| 2 | 3V | 16 | 2.2V | 2 | 2.5V | 2 | 0V |
| 3 | 2.2V | 17 | 3.2V | 3 | 2.5V | 3 | 2.5V |
| 4 | NC | 18 | 2.2V | 4 | 0V | 4 | 0V |
| 5 | 5.5V | 19 | 2.2V | 5 | 2.5V | 5 | 2.5V |
| 6 | 5V | 20 | NC | 6 | 2.2V | 6 | 2.5V |
| 7 | 6.3V | 21 | 6.3V | 7 | 2.2V | 7 | 2.5V |
| 8 | 0V | 22 | 6.3V | 8 | 5V | 8 | 5V |
| 9 | NC | 23 | 2.2V | 9 | 0V | 9 | 0V |
| 10 | 2.3V | 24 | NC | 10 | 2.3V | 10 | 0V |
| 11 | 3.5V | 25 | 2.1V | 11 | NC | 11 | 0V |
| 12 | 2.9V | 26 | 3V | 12 | 3.5V | 12 | 6.3V |
| 13 | 0V | 27 | 3.5V | 13 | 0V | 13 | 0V |
| 14 | 2.2V | 28 | 0V | 14 | 2.2V | 14 | NC |

| | E | C | B |
|-------|------|------|------|
| Q1101 | 6.3V | 5V | 5.5V |
| Q1102 | 3.9V | 1.8V | 3.2V |

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : CD : Be playing back the 2nd Music of the test CD (YEDS-18)

NOTE:

- All resistance values are in ohms. K = 1,000
- All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

D

E

F - 36 -

G

H

J - 37 -

K

Description of IC Terminal

15160Y01 : IC601

| No. | Symbol | I/O | Terminal Description |
|-----|-----------|-----|---|
| 1 | AD-1 | I | Key-1 Input Terminal. |
| 2 | AD-2 | I | Key-2 Input Terminal. |
| 3 | SD / ST | I | FM Stereo Signal / SD Signal Input Terminal. (L : Receiving ST, H : Station ON) |
| 4 | GND | — | GND Connection Terminal. |
| 5 | INTLZ | I | INTLZ Action Cancellation Signal Input Terminal. |
| 6 | NC | — | No Connection Terminal. |
| 7 | AVREF | — | D/A Converter Reference Voltage Input Terminal. |
| 8 | RXD | I | RDS Monitor Input Terminal. |
| 9 | TXD | O | RDS Monitor Output Terminal. |
| 10 | AMB / GRN | O | Orange / Green Lighting Select Switching Terminal. (H : Orange) |
| 11 | LED IND | O | Active Indicator ON Control Terminal. |
| 12 | LCD DATA | O | Serial Data Signal Output Terminal to LCD Driver (LC75850W). |
| 13 | FUNCTION | O | Function LED ON Control Terminal. |
| 14 | LCD CL | O | Communication Sync. Signal Output Terminal to LCD Driver (LC75850W). |
| 15 | NC | — | No Connection Terminal. |
| 16 | LCD CE | O | CE Signal Output Terminal to LCD Driver (LC75850W). |
| 17 | I2C CLK | O | Serial Clock Output Terminal to RDS Decoder. |
| 18 | I2C DATA | I/O | Serial Data Input/Output Terminal to RDS Decoder. |
| 19 | CD CE | O | Latch Output Terminal for CD Auto Adjustment Monitor. |
| 20 | CD CLK | O | Clock Output Terminal for CD Auto Adjustment Monitor. |
| 21 | CD DATA | O | Data Output Terminal for CD Auto Adjustment Monitor. |
| 22 | NC | — | No Connection Terminal. |
| 23 | L-CONT | O | Power Control Output Terminal of Disc Detection. |
| 24 | V-CONT | O | CD Power Control Terminal. |
| 25 | LOAD FWD | O | Loading Motor Forward Driving Signal Output Terminal. |
| 26 | LOAD BWD | O | Loading Motor Backward Driving Signal Output Terminal. |
| 27 | SW-2 | I | Disc Insert Detection Signal INput Terminal (2). |
| 28 | SW-4 | I | Disc Chucking Position Detection Signal Input Terminal. |
| 29 | SW-3 | I | Eject End Detection Signal Input Terminal. |
| 30 | SELECT 1 | I | Function Set Up Terminal (1). (N.F.P. / Remote Control ON / OFF) |
| 31 | SELECT 2 | I | Function Set Up Terminal (1). (2 Lit ON / OFF) |
| 32 | SW-1 | I | Disc Insert Detection Signal INput Terminal (1). |
| 33 | GND | — | GND Connection Terminal. |
| 34 | LIMIT-SW | I | Inside Limit Detection Signal Input Terminal. |
| 35 | LSI-RST | O | System Reset Output Terminal to Digital Servo IC (TC9296AF). |
| 36 | BUS-0 | I/O | Communication Input / Output Terminal to CD Signal Processor IC. |
| 37 | BUS-1 | | |
| 38 | BUS-2 | | |
| 39 | BUS-3 | | |
| 40 | BUCK | O | Communication Output Terminal to CD Signal Processor IC. |

| No. | Symbol | I/O | Terminal Description |
|-----|-------------|-----|---|
| 41 | CCE | O | Communication Output Terminal to CD Signal Processor IC. |
| 42 | LOCK | I | Lock Status Input Terminal. |
| 43 | AM SD | I | SD Input Terminal. (H : Station ON) |
| 44 | PLL CE | O | Data Signal Control Output Terminal to PLL IC (LC72191JM). |
| 45 | PLL DI | O | Serial Data Signal Control Output Terminal to PLL IC (LC72191JM). |
| 46 | PLL CLK | O | Communication Sync. Signal Control Output Terminal to PLL IC (LC72191JM). |
| 47 | PLL DO | I | Serial Data Signal Control Input Terminal from PLL IC (LC72191JM). |
| 48 | DAVN | I | RDS Data Available Input Terminal. |
| 49 | FM MONO | I/O | FM Mono ON / OFF Signal Input / Output Terminal. (H : Mono ON) |
| 50 | MUTE | O | Audio Mute Signal Output Terminal. |
| 51 | ○ IN-INT | I | IN-Interrupt Input Terminal. |
| | ● NC | — | No Connection Terminal. |
| 52 | IF-MUTE | O | IF-Mute Control Terminal. |
| 53 | EV CLK | O | Serial Clock Signal Output Terminal to Electrical Volume (TEA6320T). |
| 54 | EV DATA | O | Serial Data Signal Output Terminal to Electrical Volume (TEA6320T). |
| 55 | SELECT 3 | I | Function Set Up Terminal (3). (CHG ON / OFF) |
| 56 | SELECT 4 | I | Function Set Up Terminal (3). (N.F.P. Specification-H : 2 Pre Output) |
| 57 | POWER ON | O | Audio and Key Lighting Power Control Signal Output Terminal. |
| 58 | ○ NOSE PWR | O | LCD Driver Power Control Output Terminal. |
| | ● NC | — | No Connection Terminal. |
| 59 | POWER IC ON | O | Power IC Stand-by Control Signal Output Terminal. |
| 60 | RESET | I | System Reset Signal Input Terminal. |
| 61 | ○ REMOCON | I | Remote Control Data Signal Input Terminal. |
| | ● PULL-DOWN | — | Pull-Down Connection Terminal. |
| 62 | B-HOLD | I | Battery Detection Signal Input Terminal. |
| 63 | A-HOLD | I | ACC Detection Signal Input Terminal. |
| 64 | BUS-IN | I | Mini BUS Data Signal Input Terminal. |
| 65 | BUS-OUT | O | Mini BUS Data Signal Output Terminal. |
| 66 | ○ NFP 2 | O | Fader Output Control Terminal at N.F.P. |
| | ● NC | — | No Connection Terminal. |
| 67 | ○ NFP 1 | O | Fader Output Control Terminal at N.F.P. |
| | ● NC | — | No Connection Terminal. |
| 68 | VDD | — | Power Supply Connection Terminal. |
| 69 | X2 | — | System Clock OSC Circuit Connection Terminal. |
| 70 | X1 | | |
| 71 | GND | — | GND Connection Terminal. |
| 72 | NC | — | No Connection Terminal. |
| 73 | PULL-DOWN | — | Pull-Down Connection Terminal. |
| 74 | AVDD | — | A/D, D/A Converter Analog Power Input Terminal. (Connection VDD) |
| 75 | AVREF | — | A/D Converter Reference Voltage Input Terminal. |

| No. | Symbol | I/O | Terminal Description |
|-----|---------|-----|--|
| 76 | M / P | I | Multi Path Rejection Input Terminal. |
| 77 | NC | — | No Connection Terminal. |
| 78 | S-METER | I | Signal -Meter Signal Input Terminal. |
| 79 | T-SENS | I | Temperature Sensor Signal Input Terminal. |
| 80 | NOSE ON | I | Front Panel Detection Signal Input Terminal. |

NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Electrical Parts List

Resistor : Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor : μ F= microfarads, pF= picofarads

| Abbreviations | |
|------------------------|---------------------|
| RES.= Resistor | CAP.= Capacitor |
| C.F.= Carbon Film | ELY.= Electrolytic |
| M.F.= Metal Film | CER.= Ceramic |
| M.O.= Metal Oxide Film | MYL.= Mylar |
| M.P.= Metal Plate | TAN.= Tantalum |
| TR.= Transistor | POLY.= Polystyrol |
| TRANS.= Transformer | PP.= Polypropylene |
| CP.= Chip | PLT.= Polyethylene |
| | PF.= Polyester Film |

| Symbol No. | Part No. | Description |
|-----------------------|----------|-------------|
| Main P.W.Board | | |

| IC's | | |
|---------|-------------|--------------|
| IC001 | 51T40941U02 | MC14066BFEL |
| IC002 | 51T15605Y01 | NJM2130F |
| IC003 | 51T93333F01 | NJM2904M |
| IC004 | 51T85265W02 | LC72191JM |
| IC005 | 51T15132Y01 | SAA6588T |
| IC201 | 51T65131W01 | TEA6320T |
| IC202 | 51T65379F21 | XRA4558F |
| IC203 | 51T65379F21 | XRA4558F |
| IC205 | 51T40941U03 | MC14066BFL1 |
| IC241 | 51T65379F21 | XRA4558F |
| IC301 | 51T15021Y01 | TDA7386 |
| ● IC301 | 51T85153W01 | TDA7384 |
| IC601 | 51T15160Y01 | 15160Y01 |
| IC602 | 51T95014F13 | S-8052HNM-CR |
| IC701 | 51T75191W05 | AN7707F |
| IC801 | 51T95563W01 | S-80744HL |

| Transistors | | |
|-------------|-------------|---------------|
| Q001 | 48T73888F12 | CP., FMC2 |
| Q002 | 48T62966F03 | CP., DTA124 |
| Q003 | 48T62967F03 | CP., DTC124K |
| Q004 | 48T84234F03 | 2SB1238 |
| Q005 | 48T73888F08 | CP., FMG1 |
| Q007 | 48T62967F03 | CP., DTC124K |
| Q008 | 48T62967F03 | CP., DTC124K |
| Q009 | 48T73888F12 | CP., FMC2 |
| Q010 | 48T62967F03 | CP., DTC124K |
| Q011 | 48T62967F22 | CP., DTC144TK |
| Q012 | 48T62967F22 | CP., DTC144TK |
| Q013 | 48T73888F12 | CP., FMC2 |
| Q201 | 48T93828F01 | 2SD1994A |
| Q202 | 48T93828F01 | 2SD1994A |
| Q290 | 48T62967F33 | CP., DTC343TK |

| Symbol No. | Part No. | Description |
|------------|-------------|---------------|
| Q291 | 48T62967F33 | CP., DTC343TK |
| ○ Q292 | 48T62967F33 | CP., DTC343TK |
| ○ Q293 | 48T62967F33 | CP., DTC343TK |
| ○ Q294 | 48T73888F08 | CP., FMG1 |
| Q501 | 48T62967F03 | CP., DTC124K |
| Q502 | 48T62966F03 | CP., DTA124 |
| Q503 | 48T62967F03 | CP., DTC124K |
| Q605 | 48T73888F12 | CP., FMC2 |
| Q606 | 48T73888F12 | CP., FMC2 |
| ○ Q607 | 48T73888F12 | CP., FMC2 |
| Q701 | 48T84366F01 | 2SB1243 |
| Q702 | 48T62967F05 | CP., DTC143XK |
| Q802 | 48T93828F01 | 2SD1994A |
| ○ Q803 | 48T93828F01 | 2SD1994A |
| Q804 | 48T62967F05 | CP., DTC143XK |
| Q805 | 48T84366F01 | 2SB1243 |
| Q806 | 48T62966F03 | CP., DTA124 |
| Q807 | 48T62967F09 | CP., DTC114TK |
| Q808 | 48T73888F12 | CP., FMC2 |
| Q809 | 48T63420F01 | CP., 2SA1037K |
| Q810 | 48T62967F03 | CP., DTC124K |
| Q811 | 48T84366F01 | 2SB1243 |
| Q812 | 48T62967F02 | CP., DTC114K |
| Q817 | 48T93828F01 | 2SD1994A |
| Q851 | 48T62967F03 | CP., DTC124K |
| ○ Q852 | 48T62966F01 | CP., DTA143 |

| Diodes | | |
|--------|-------------|----------------|
| D001 | 48T63462F01 | CP., DAN202K |
| D501 | 48T68828F01 | 1SS133 |
| D603 | 48T68828F01 | 1SS133 |
| D801 | 48T68580F03 | DSA3A4 |
| D802 | 48T85357W01 | CP., 1PS226 |
| D803 | 48T68828F01 | 1SS133 |
| D806 | 48T68828F01 | 1SS133 |
| D807 | 48T85270W01 | MPG06G |
| D808 | 48T63462F01 | CP., DAN202K |
| ○ D809 | 48T63462F01 | CP., DAN202K |
| ZD201 | 48T83128F25 | Zener, HZS9C1L |
| ZD801 | 48T83128F25 | Zener, HZS9C1L |
| ZD802 | 48T83128F13 | Zener, HZS7B1L |
| ZD804 | 48T83128F04 | Zener, HZS6B1L |

NOTE : ○: For CDM-7837R Model Only, ●: For CDM-7834R Model Only, Others : Common.

| Symbol No. | Part No. | Description | Symbol No. | Part No. | Description |
|------------------------|-------------|----------------------|------------|-------------|-------------------------|
| Coils | | | | | |
| ○ L001 | 24T16403W29 | Inductor, CP. 15µH | E005 | 23S82372F19 | ELY., (B.P) 2.2µF / 50V |
| L002 | 24T70381F17 | Inductor, 4.7µH | C006 | 08S82122F19 | CP., 18pF |
| L004 | 24T65110W04 | Inductor, CP. 0.1µH | E006 | 23S75372W16 | ELY., 2.2µF / 50V |
| ○ L009 | 24T94308F01 | Inductor, 100mH | C007 | 08S82122F21 | CP., 22pF |
| L601 | 24T65110W16 | Inductor, CP. 1µH | E007 | 23S75372W13 | ELY., 0.47µF / 50V |
| L602 | 24T65110W16 | Inductor, CP. 1µH | C008 | 08S82122F43 | CP., 180pF |
| L801 | 24T75055W09 | Choke | E008 | 23S75372W13 | ELY., 0.47µF / 50V |
| Crystals | | | | | |
| XL001 | 91T85169W43 | 7.2MHz | E009 | 23S75372W13 | ELY., 0.47µF / 50V |
| XL002 | 91T85169W18 | 4.332MHz | C010 | 08S65128F78 | CP., 0.022µF |
| XL601 | 91T85169W27 | 4.9152MHz | C011 | 08S65128F78 | CP., 0.022µF |
| Filters | | | | | |
| LPF001 | 91T75257W02 | LPF, LPF11830KH | E011 | 23S75372W10 | ELY., 0.1µF / 50V |
| Z003 | 91T65112W06 | CP., BK2125HM102 | C012 | 08S65480F49 | CER., 1000pF |
| Z005 | 91T65112W06 | CP., BK2125HM102 | E012 | 23S75372W04 | ELY., 10µF / 16V |
| Surge Protector | | | | | |
| DSP001 | 48T81909F01 | DSP-201M | C013 | 08S65128F68 | CP., 8200pF |
| Switch | | | | | |
| SW802 | 40T16096W03 | Tact, SKHHLW (RESET) | E014 | 23S75372W14 | ELY., 0.68µF / 50V |
| Thermistor | | | C015 | 08S65128F57 | CP., 1000pF |
| TH618 | 48T93439F06 | 100K ohm | E015 | 23S75372W11 | ELY., 0.22µF / 50V |
| Capacitors | | | C016 | 08S65128F57 | CP., 1000pF |
| C001 | 08S65128F57 | CP., 1000pF | C017 | 08S82122F37 | CP., 100pF |
| C002 | 08T15399W04 | CP., 0.027µF | C018 | 08S65128F78 | CP., 0.022µF |
| E002 | 23S75372W08 | ELY., 100µF / 16V | C019 | 08S82122F37 | CP., 100pF |
| C003 | 08S65128F69 | CP., 0.01µF | C020 | 08S65128F69 | CP., 0.01µF |
| E003 | 23S75372W02 | ELY., 100µF / 10V | C021 | 08S65128F69 | CP., 0.01µF |
| C004 | 08S82122F43 | CP., 180pF | C022 | 08T55390W29 | TF, 0.1µF |
| E004 | 23S75372W05 | ELY., 22µF / 16V | C023 | 08T55390W25 | TF, 0.047µF |
| C005 | 08S65128F57 | CP., 1000pF | C025 | 08S35374W01 | CP., 0.1µF |
| | | | C026 | 08S72783F23 | CP., 100pF |
| | | | C027 | 08S72783F29 | CP., 330pF |
| | | | C028 | 08S65128F78 | CP., 0.022µF |
| | | | C029 | 08S82122F55 | CP., 5600pF |
| | | | C030 | 08S53332F39 | CP., 2200pF |
| | | | C031 | 08S35374W01 | CP., 0.1µF |
| | | | C037 | 08S82122F37 | CP., 100pF |
| | | | C039 | 08S35374W01 | CP., 0.1µF |
| | | | C040 | 08S82122F23 | CP., 27pF |
| | | | C041 | 08S82122F25 | CP., 33pF |
| | | | C045 | 08S65128F69 | CP., 0.01µF |
| | | | C050 | 08S82122F37 | CP., 100pF |
| | | | C051 | 08S82122F37 | CP., 100pF |
| | | | E201 | 23S75372W17 | ELY., 3.3µF / 50V |
| | | | E202 | 23S75372W02 | ELY., 100µF / 10V |
| | | | C203 | 08S65128F66 | CP., 5600pF |
| | | | E203 | 23S75372W14 | ELY., 0.68µF / 50V |
| | | | C204 | 08S65128F66 | CP., 5600pF |
| | | | E204 | 23S75372W14 | ELY., 0.68µF / 50V |
| | | | C205 | 08T15399W02 | CP., 0.033µF |
| | | | C206 | 08T15399W02 | CP., 0.033µF |

NOTE : ○: For CDM-7837R Model Only, ●: For CDM-7834R Model Only, Others : Common.

| Symbol No. | Part No. | Description | Symbol No. | Part No. | Description |
|------------|-------------|--------------------|--|-------------|-------------------|
| E206 | 23S75372W08 | ELY., 100µF / 16V | E802 | 23S75372W06 | ELY., 33µF / 16V |
| E207 | 23S75372W07 | ELY., 47µF / 16V | C803 | 08T15399W04 | CP., 0.027µF |
| E208 | 23S75372W06 | ELY., 33µF / 16V | E803 | 23S75372W10 | ELY., 0.1µF / 50V |
| C211 | 08S65128F69 | CP., 0.01µF | C804 | 08T15399W03 | CP., 0.047µF |
| E233 | 23S75372W04 | ELY., 10µF / 16V | E805 | 23S75372W04 | ELY., 10µF / 16V |
| E234 | 23S75372W04 | ELY., 10µF / 16V | E806 | 23S75372W06 | ELY., 33µF / 16V |
| ○ E236 | 23S75372W04 | ELY., 10µF / 16V | E807 | 23S75372W07 | ELY., 47µF / 16V |
| ○ E237 | 23S75372W04 | ELY., 10µF / 16V | (All resistors are chip 1/10W±5% unless otherwise noted.) | | |
| E239 | 23S75372W04 | ELY., 10µF / 16V | R001 | 06S64995F53 | 1K ohm |
| C240 | 08S82122F37 | CP., 100pF | R002 | 06S70072F29 | 100 ohm 1/4W |
| E240 | 23S75372W04 | ELY., 10µF / 16V | R003 | 06S53330F85 | 22K ohm 1/8W |
| E241 | 23S75372W04 | ELY., 10µF / 16V | R004 | 06S64995F93 | 47K ohm |
| E242 | 23S75372W04 | ELY., 10µF / 16V | R005 | 06S53330F85 | 22K ohm 1/8W |
| E243 | 23S75372W04 | ELY., 10µF / 16V | R006 | 06S70072F69 | 4.7K ohm 1/4W |
| ○ E266 | 23S75372W16 | ELY., 2.2µF / 50V | R007 | 06S70072F53 | 1K ohm 1/4W |
| E301 | 23T95115W01 | ELY., 0.33µF / 50V | R008 | 06S64995F53 | 1K ohm |
| E302 | 23T95115W01 | ELY., 0.33µF / 50V | R009 | 06S64995F61 | 2.2K ohm |
| E303 | 23T95115W01 | ELY., 0.33µF / 50V | R010 | 06S70072F77 | 10K ohm |
| E304 | 23T95115W01 | ELY., 0.33µF / 50V | R012 | 06S64995F61 | 2.2K ohm |
| E305 | 23T95115W02 | ELY., 1µF / 50V | R013 | 06S64995F53 | 1K ohm |
| E306 | 23S75372W05 | ELY., 22µF / 16V | R014 | 06S64995F85 | 22K ohm |
| E307 | 23T95115W02 | ELY., 1µF / 50V | R015 | 06S64995F93 | 47K ohm |
| E308 | 23S75372W04 | ELY., 10µF / 16V | R017 | 06S64995F77 | 10K ohm |
| C501 | 08S82122F49 | CP., 330pF | R018 | 06S64995F89 | 33K ohm |
| C502 | 08T15399W04 | CP., 0.027µF | R020 | 06S64995F77 | 10K ohm |
| C601 | 08T15399W04 | CP., 0.027µF | R022 | 06S70072F77 | 10K ohm 1/4W |
| E601 | 23S75372W04 | ELY., 10µF / 16V | R029 | 06S70072F71 | 5.6K ohm 1/4W |
| C602 | 08S82122F19 | CP., 18pF | R030 | 06S70072F71 | 5.6K ohm 1/4W |
| E602 | 23S75372W03 | ELY., 220µF / 10V | R031 | 06S64995F93 | 47K ohm |
| C603 | 08S82122F19 | CP., 18pF | R032 | 06S64995F93 | 47K ohm |
| C604 | 08S82122F43 | CP., 180pF | R033 | 06S64995F77 | 10K ohm |
| C605 | 08S82122F43 | CP., 180pF | R034 | 06S64995F91 | 39K ohm |
| C606 | 08S82122F37 | CP., 100pF | R035 | 06S64995F69 | 4.7K ohm |
| C607 | 08S82122F37 | CP., 100pF | R036 | 06S64995F94 | 51K ohm |
| C608 | 08T15399W04 | CP., 0.027µF | R037 | 06S64995F90 | 36K ohm |
| C609 | 08S82122F37 | CP., 100pF | R038 | 06S64995F81 | 15K ohm |
| C610 | 08S72783F23 | CP., 100pF | R040 | 06S64995F05 | 10 ohm |
| C611 | 08S65128F57 | CP., 1000pF | R041 | 06S64995F69 | 4.7K ohm |
| C612 | 08S82122F43 | CP., 180pF | R042 | 06S64995F64 | 3K ohm |
| C615 | 08S82122F43 | CP., 180pF | R044 | 06S64995F77 | 10K ohm |
| C616 | 08S82122F37 | CP., 100pF | R046 | 06S64995F39 | 270 ohm |
| C640 | 08S82122F37 | CP., 100pF | R047 | 06S64995F39 | 270 ohm |
| E701 | 23S75372W06 | ELY., 33µF / 16V | R048 | 06S64995F53 | 1K ohm |
| C702 | 08T15399W04 | CP., 0.027µF | R049 | 06S70072F01 | 4.7 ohm 1/4W |
| E702 | 23T55378W03 | ELY., 470µF / 10V | R050 | 06S64995F61 | 2.2K ohm |
| C703 | 08T15399W04 | CP., 0.027µF | R052 | 06S64996F18 | 470K ohm |
| C801 | 08T15399W04 | CP., 0.027µF | | | |
| E801 | 23T75346W03 | ELY., 3300µF / 16V | | | |
| C802 | 08T55390W34 | TF, 0.27µF | | | |

NOTE : ○: For CDM-7837R Model Only, ●: For CDM-7834R Model Only, Others : Common.

| Symbol No. | Part No. | Description | Symbol No. | Part No. | Description |
|------------|-------------|--------------|------------|-------------|---------------|
| R053 | 06S70072F53 | 1K ohm 1/4W | R608 | 06S64995F53 | 1K ohm |
| R054 | 06S64995F77 | 10K ohm | R609 | 06S64995F85 | 22K ohm |
| R056 | 06S64995F53 | 1K ohm | R610 | 06S70072F53 | 1K ohm 1/4W |
| R201 | 06S70072F78 | 2.2 ohm 1/4W | R611 | 06S64995F53 | 1K ohm |
| R202 | 06S70072F78 | 2.2 ohm 1/4W | ○ R612 | 06S64995F53 | 1K ohm |
| R203 | 06S64995F62 | 2.4K ohm | R613 | 06S64995F53 | 1K ohm |
| R204 | 06S64995F62 | 2.4K ohm | R614 | 06S64995F77 | 10K ohm |
| R205 | 06S64995F61 | 2.2K ohm | R615 | 06S70072F77 | 10K ohm 1/4W |
| R206 | 06S64995F61 | 2.2K ohm | R616 | 06S70072F77 | 10K ohm 1/4W |
| R207 | 06S70072F53 | 1K ohm 1/4W | R618 | 06S64995F85 | 22K ohm |
| R208 | 06S64995F53 | 1K ohm | R619 | 06S64995F77 | 10K ohm |
| R223 | 06S64995F50 | 750 ohm | R620 | 06S64995F61 | 2.2K ohm |
| R232 | 06S64995F71 | 5.6K ohm | R621 | 06S64995F53 | 1K ohm |
| R233 | 06S64995F85 | 22K ohm | R622 | 06S64995F53 | 1K ohm |
| R234 | 06S64995F85 | 22K ohm | R623 | 06S70072F53 | 1K ohm 1/4W |
| R241 | 06S64995F85 | 22K ohm | R624 | 06S70072F53 | 1K ohm 1/4W |
| R242 | 06S64995F85 | 22K ohm | R630 | 06S64995F85 | 22K ohm |
| R243 | 06S64995F85 | 22K ohm | R631 | 06S64995F85 | 22K ohm |
| R244 | 06S64995F85 | 22K ohm | R632 | 06S64995F93 | 47K ohm |
| R245 | 06S64995F76 | 9.1K ohm | R634 | 06S64995F53 | 1K ohm |
| R246 | 06S64995F76 | 9.1K ohm | R635 | 06S64995F53 | 1K ohm |
| R247 | 06S64995F76 | 9.1K ohm | R642 | 06S64996F02 | 100K ohm |
| R248 | 06S64995F76 | 9.1K ohm | R654 | 06S53331F18 | 470K ohm 1/8W |
| R269 | 06S64995F33 | 150 ohm | R655 | 06S64996F18 | 470K ohm |
| R270 | 06S64995F33 | 150 ohm | ○ R656 | 06S64995F85 | 22K ohm |
| ○ R271 | 06S64995F37 | 220 ohm | ● R657 | 06S64996F02 | 100K ohm |
| ○ R272 | 06S64995F37 | 220 ohm | ○ R658 | 06S64995F85 | 22K ohm |
| R273 | 06S64995F87 | 27K ohm | ● R659 | 06S64996F02 | 100K ohm |
| R274 | 06S64995F87 | 27K ohm | R663 | 06S64995F53 | 1K ohm |
| ○ R275 | 06S64995F87 | 27K ohm | R667 | 06S64996F18 | 470K ohm |
| ○ R276 | 06S64995F87 | 27K ohm | R676 | 06S64995F53 | 1K ohm |
| R277 | 06S64995F29 | 100 ohm | R677 | 06S64995F53 | 1K ohm |
| R278 | 06S64995F29 | 100 ohm | R681 | 06S64995F85 | 22K ohm |
| ○ R279 | 06S64995F29 | 100 ohm | R683 | 06S64995F85 | 22K ohm |
| ○ R280 | 06S64995F29 | 100 ohm | R690 | 06S64995F85 | 22K ohm |
| ○ R294 | 06S64995F93 | 47K ohm | R691 | 06S64995F85 | 22K ohm |
| ○ R295 | 06S64995F93 | 47K ohm | R692 | 06S64995F85 | 22K ohm |
| ○ R299 | 06S70072F78 | 2.2 ohm 1/4W | R693 | 06S64995F85 | 22K ohm |
| R301 | 06S64995F77 | 10K ohm | R701 | 06S70072F59 | 1.8K ohm 1/4W |
| R302 | 06S70072F37 | 220 ohm 1/4W | R702 | 06S70072F59 | 1.8K ohm 1/4W |
| R502 | 06S53330F85 | 22K ohm 1/8W | R703 | 06S70072F59 | 1.8K ohm 1/4W |
| R503 | 06S53330F85 | 22K ohm 1/8W | R704 | 06S70072F59 | 1.8K ohm 1/4W |
| R601 | 06S64995F93 | 47K ohm | R705 | 06S70072F77 | 10K ohm 1/4W |
| R602 | 06S64996F18 | 470K ohm | R801 | 06S70072F45 | 470 ohm 1/4W |
| R603 | 06S64996F02 | 100K ohm | R803 | 06S70072F59 | 1.8K ohm 1/4W |
| R604 | 06S64995F63 | 2.7K ohm | R804 | 06S70072F59 | 1.8K ohm 1/4W |
| R605 | 06S64995F69 | 4.7K ohm | R805 | 06S53330F77 | 10K ohm 1/8W |
| R606 | 06S64995F85 | 22K ohm | R806 | 06S70072F69 | 4.7K ohm 1/4W |
| R607 | 06S64995F53 | 1K ohm | ○ R807 | 06S53330F69 | 4.7K ohm 1/8W |

NOTE : ○: For CDM-7837R Model Only, ●: For CDM-7834R Model Only, Others : Common.

| Symbol No. | Part No. | Description | Symbol No. | Part No. | Description |
|---------------------|-------------|-----------------|------------|-------------|--|
| ● R807 | 06S70072F69 | 4.7K ohm 1/4W | Q407 | 48T73888F12 | CP., FMC2 |
| R808 | 06S64995F81 | 15K ohm | Q408 | 48T63461F01 | CP., 2SC2411K |
| R809 | 06S64995F77 | 10K ohm | | | |
| R810 | 06S64996F02 | 100K ohm | | | |
| R811 | 06S70072F04 | 8.2 ohm 1/4W | | | |
| | | | | | |
| R812 | 06S70072F04 | 8.2 ohm 1/4W | | | |
| R813 | 06S70072F04 | 8.2 ohm 1/4W | | | |
| R814 | 06S64995F77 | 10K ohm | | | |
| R815 | 06S70072F61 | 2.2K ohm 1/4W | | | |
| R816 | 06S70072F77 | 10K ohm 1/4W | | | |
| | | | | | |
| R817 | 06S64995F77 | 10K ohm | | | |
| R818 | 06S64995F77 | 10K ohm | | | |
| R819 | 06S70072F59 | 1.8K ohm 1/4W | | | |
| ○ R820 | 06S64995F77 | 10K ohm | | | |
| R822 | 06S70072F53 | 1K ohm 1/4W | | | |
| | | | | | |
| R824 | 06S70072F69 | 4.7K ohm 1/4W | | | |
| R825 | 06S70072F59 | 1.8K ohm 1/4W | | | |
| ○ R829 | 06S70072F02 | 5.6 ohm 1/4W | | | |
| R830 | 06S70072F77 | 10K ohm 1/4W | | | |
| R831 | 06S70072F02 | 5.6 ohm 1/4W | | | |
| | | | | | |
| R849 | 06T85397W02 | M.O., 16 ohm 2W | | | |
| ○ R850 | 06S70072F89 | 9.1 ohm 1/4W | | | |
| ○ R851 | 06S70072F89 | 9.1 ohm 1/4W | | | |
| ○ R852 | 06S70072F89 | 9.1 ohm 1/4W | | | |
| ○ R853 | 06S70072F89 | 9.1 ohm 1/4W | | | |
| | | | | | |
| R854 | 06S70072F59 | 1.8K ohm 1/4W | | | |
| R855 | 06S70072F59 | 1.8K ohm 1/4W | | | |
| R856 | 06S70072F04 | 8.2 ohm 1/4W | | | |
| R857 | 06S64995F77 | 10K ohm | | | |
| R858 | 06S64995F93 | 47K ohm | | | |
| | | | | | |
| Front P.W.Board (○) | | | LED's | | |
| IC's | | | LD401 | 48T65477W02 | CP., SML-010LTT87 (RED) |
| | IC401 | 51T55492W01 | LD403 | 48T65477W02 | CP., SML-010LTT87 (RED) |
| | IC402 | 51T95040W01 | LD404 | 48T65477W05 | CP., SML-010DTT87 (ORG) |
| | | | LD405 | 48T65477W05 | CP., SML-010DTT87 (ORG) |
| | | | LD406 | 48T65477W05 | CP., SML-010DTT87 (ORG) |
| | | | LD408 | 48T65477W05 | CP., SML-010DTT87 (ORG) |
| | | | LD409 | 48T65477W05 | CP., SML-010DTT87 (ORG) |
| | | | LD410 | 48T65477W05 | CP., SML-010DTT87 (ORG) |
| | | | LD411 | 48T65477W05 | CP., SML-010DTT87 (ORG) |
| | | | LD412 | 48T65477W05 | CP., SML-010DTT87 (ORG) |
| | | | LD413 | 48T65477W05 | CP., SML-010DTT87 (ORG) |
| Transistors | | | Switches | | |
| | Q401 | 48T62967F03 | SW401 | 40T75234W01 | Tact, SKQNAC (PWR / INTLZ / R.SENSOR) |
| | Q402 | 48T62967F03 | SW402 | 40T75234W01 | Tact, SKQNAC (UP) |
| | Q403 | 48T63461F01 | SW403 | 40T75234W01 | Tact, SKQNAC (MODE / LOUD) |
| | Q404 | 48T63461F01 | SW404 | 40T75234W01 | Tact, SKQNAC (DOWN) |
| | Q405 | 48T63461F01 | SW405 | 40T75234W01 | Tact, SKQNAC (SOURCE) |
| | Q406 | 48T63461F01 | SW406 | 40T75234W01 | Tact, SKQNAC (BAND) |
| | | | SW407 | 40T75234W01 | Tact, SKQNAC (TUNE / A.ME / PLAY / PAUSE) |

NOTE: ○: For CDM-7837R Model Only, ●: For CDM-7834R Model Only, Others : Common.

| Symbol No. | Part No. | Description | Symbol No. | Part No. | Description |
|---|-------------|------------------------------------|----------------------------|-------------|---------------|
| SW408 | 40T75234W01 | Tact. SKQNAC (UP / FWD) | R428 | 06S64995F93 | 47K ohm |
| SW409 | 40T75234W01 | Tact. SKQNAC (DN / BWD) | R438 | 06S70072F63 | 2.7K ohm 1/4W |
| SW410 | 40T75234W01 | Tact. SKQNAC (EJECT) | R440 | 06S64995F53 | 1K ohm |
| SW411 | 40T55656W06 | Tact. CP. SKQMAJ001 (F) | R442 | 06S70072F63 | 2.7K ohm 1/4W |
| SW412 | 40T55656W06 | Tact. CP. SKQMAJ001 (T.INFO / PTY) | R443 | 06S64995F70 | 5.1K ohm |
| SW413 | 40T55656W06 | Tact. CP. SKQMAJ001 (MONO / 3) | R444 | 06S53330F81 | 15K ohm 1/8W |
| SW414 | 40T55656W06 | Tact. CP. SKQMAJ001 (NEWS / 2) | R449 | 06S64995F53 | 1K ohm |
| SW415 | 40T55656W06 | Tact. CP. SKQMAJ001 (AF / 1) | R450 | 06S70072F33 | 150 ohm 1/4W |
| SW416 | 40T55656W06 | Tact. CP. SKQMAJ001 (SCAN / 6) | R451 | 06S70072F33 | 150 ohm 1/4W |
| SW417 | 40T55656W06 | Tact. CP. SKQMAJ001 (RPT / 5) | R452 | 06S70072F33 | 150 ohm 1/4W |
| SW418 | 40T55656W06 | Tact. CP. SKQMAJ001 (M.I.X. / 4) | R453 | 06S70072F33 | 150 ohm 1/4W |
| Capacitors | | | | | |
| C401 | 08S65128F78 | CP., 0.022μF | R454 | 06S70072F33 | 150 ohm 1/4W |
| C402 | 08S82122F57 | CP., 680pF | R455 | 06S70072F33 | 150 ohm 1/4W |
| E402 | 23T25191W62 | CP. ELY., 22μF / 6.3V | R456 | 06S70072F14 | 24 ohm 1/4W |
| C403 | 08S65128F78 | CP., 0.022μF | R457 | 06S70072F14 | 24 ohm 1/4W |
| (All resistors are chip 1/10W±5% unless otherwise noted.) | | | | | |
| R401 | 06T15443W56 | 1.3K ohm | R458 | 06S64995F53 | 1K ohm |
| R402 | 06T15443W59 | 1.8K ohm | R459 | 06S64995F79 | 12K ohm |
| R403 | 06T15443W61 | 2.2K ohm | R460 | 06T15443W74 | 7.5K ohm |
| R404 | 06T15443W65 | 3.3K ohm | R461 | 06T15443W74 | 7.5K ohm |
| R405 | 06T15443W68 | 4.3K ohm | R462 | 06T15443W81 | 15K ohm |
| R406 | 06T15443W56 | 1.3K ohm | R463 | 06T15443W91 | 39K ohm |
| R407 | 06T15443W59 | 1.8K ohm | R464 | 06S70072F61 | 2.2K ohm 1/4W |
| R408 | 06T15443W61 | 2.2K ohm | R467 | 06S64996F02 | 100K ohm |
| R409 | 06T15443W65 | 3.3K ohm | R471 | 06S70072F61 | 2.2K ohm 1/4W |
| R410 | 06T15443W68 | 4.3K ohm | R473 | 06S70072F14 | 24 ohm 1/4W |
| R411 | 06S70072F61 | 2.2K ohm 1/4W | R474 | 06S70072F14 | 24 ohm 1/4W |
| R412 | 06S64995F53 | 1K ohm | R475 | 06S70072F14 | 24 ohm 1/4W |
| R413 | 06S70072F61 | 2.2K ohm 1/4W | R476 | 06S70072F12 | 20 ohm 1/4W |
| R414 | 06T15443W81 | 15K ohm | R477 | 06S70072F12 | 20 ohm 1/4W |
| R415 | 06T15443W91 | 39K ohm | R478 | 06S64995F53 | 1K ohm |
| R416 | 06S70072F61 | 2.2K ohm 1/4W | Front P.W.Board (●) | | |
| R417 | 06S70072F05 | 10 ohm 1/4W | IC | | |
| R418 | 06S64995F77 | 10K ohm | IC3401 | 51T55492W01 | LC75850W |
| R419 | 06S64995F77 | 10K ohm | Transistors | | |
| R420 | 06S64995F77 | 10K ohm | Q3401 | 48T62967F03 | CP., DTC124K |
| R421 | 06S64996F08 | 180K ohm | Q3402 | 48T62967F03 | CP., DTC124K |
| R422 | 06S64996F08 | 180K ohm | Diodes | | |
| R423 | 06S64995F53 | 1K ohm | D3402 | 48T64134F01 | CP., DA204K |
| R424 | 06S64995F53 | 1K ohm | | | |
| R425 | 06S64995F53 | 1K ohm | | | |

NOTE : ○: For CDM-7837R Model Only, ●: For CDM-7834R Model Only, Others : Common.

| Symbol No. | Part No. | Description | Symbol No. | Part No. | Description |
|-------------------------------------|-------------|--|------------|-------------|---------------|
| D3403 | 48T64134F01 | CP., DA204K | R3401 | 06T15443W56 | 1.3K ohm |
| D3404 | 48T64134F01 | CP., DA204K | R3402 | 06T15443W59 | 1.8K ohm |
| Lamps | | | | | |
| PL3401 | 65T85125W07 | 9V-100mA | R3403 | 06T15443W61 | 2.2K ohm |
| PL3404 | 65T85350W01 | 6V-80mA | R3404 | 06T15443W65 | 3.3K ohm |
| PL3405 | 65T85350W01 | 6V-80mA | R3405 | 06T15443W68 | 4.3K ohm |
| PL3406 | 65T85350W01 | 6V-80mA | R3406 | 06T15443W74 | 7.5K ohm |
| PL3407 | 65T85350W01 | 6V-80mA | R3407 | 06T15443W81 | 15K ohm |
| LED's | | | | | |
| LD3401 | 48T65477W02 | CP., SML-010LTT87 (RED) | R3408 | 06T15443W91 | 39K ohm |
| LD3402 | 48T65477W02 | CP., SML-010LTT87 (RED) | R3409 | 06T15443W56 | 1.3K ohm |
| Switches | | | | | |
| SW3401 | 40T75234W01 | Tact, SKQNAC (PWR / INTLZ) | R3410 | 06T15443W59 | 1.8K ohm |
| SW3402 | 40T75234W01 | Tact, SKQNAC (UP) | R3411 | 06T15443W61 | 2.2K ohm |
| SW3403 | 40T75234W01 | Tact, SKQNAC (MODE / LOUD) | R3412 | 06T15443W65 | 3.3K ohm |
| SW3404 | 40T75234W01 | Tact, SKQNAC (DOWN) | R3413 | 06T15443W68 | 4.3K ohm |
| SW3405 | 40T75234W01 | Tact, SKQNAC (SOURCE) | R3414 | 06T15443W81 | 15K ohm |
| SW3406 | 40T75234W01 | Tact, SKQNAC (BAND) | R3415 | 06T15443W91 | 39K ohm |
| SW3407 | 40T75234W01 | Tact, SKQNAC (TUNE / A.ME / PLAY / PAUSE) | R3418 | 06S64995F77 | 10K ohm |
| SW3408 | 40T75234W01 | Tact, SKQNAC (UP / FWD) | R3419 | 06S64995F77 | 10K ohm |
| SW3409 | 40T75234W01 | Tact, SKQNAC (DN / BWD) | R3420 | 06S64995F77 | 10K ohm |
| SW3410 | 40T75234W01 | Tact, SKQNAC (EJECT) | R3421 | 06S64996F08 | 180K ohm |
| SW3411 | 40T55656W06 | Tact, CP. SKQMAJ001 (F) | R3422 | 06S64996F08 | 180K ohm |
| SW3412 | 40T55656W06 | Tact, CP. SKQMAJ001 (T.INFO / PTY) | R3423 | 06S64995F53 | 1K ohm |
| SW3413 | 40T55656W06 | Tact, CP. SKQMAJ001 (MONO / 3) | R3424 | 06S64995F53 | 1K ohm |
| SW3414 | 40T55656W06 | Tact, CP. SKQMAJ001 (NEWS / 2) | R3425 | 06S64995F53 | 1K ohm |
| SW3415 | 40T55656W06 | Tact, CP. SKQMAJ001 (AF / 1) | R3428 | 06S64995F93 | 47K ohm |
| SW3416 | 40T55656W06 | Tact, CP. SKQMAJ001 (SCAN / 6) | R3435 | 06S70072F08 | 13 ohm 1/4W |
| SW3417 | 40T55656W06 | Tact, CP. SKQMAJ001 (RPT / 5) | R3437 | 06S70072F08 | 13 ohm 1/4W |
| SW3418 | 40T55656W06 | Tact, CP. SKQMAJ001 (M.I.X. / 4) | R3438 | 06S70072F63 | 2.7K ohm 1/4W |
| Capacitors | | | | | |
| C3401 | 08S65128F78 | CP., 0.022μF | R3442 | 06S70072F63 | 2.7K ohm 1/4W |
| C3402 | 08S82122F57 | CP., 680pF | R3443 | 06S70072F70 | 5.1K ohm 1/4W |
| E3402 | 23T25191W62 | CP. ELY., 22μF / 6.3V | R3444 | 06S53330F81 | 15K ohm 1/8W |
| Remote Control P.W.Board (○) | | | | | |
| Transistors | | | | | |
| Q520 | 48T62967F02 | CP., DTC114K | Q521 | 48T62967F02 | CP., DTC114K |
| Q522 | 48T63420F01 | CP., 2SA1037K | Q523 | 48T62967F02 | CP., DTC114K |

NOTE : ○: For CDM-7837R Model Only, ●: For CDM-7834R Model Only, Others: Common.

| Symbol No. | Part No. | Description | Symbol No. | Part No. | Description |
|---|-------------|--------------|------------|-------------|-----------------------|
| Diode | | | | | Crystal |
| D520 | 48T63462F01 | CP., DAN202K | XL1101 | 91T95099W92 | CP., 16.934MHz |
| Capacitors | | | | | Capacitors |
| C520 | 08S82122F37 | CP., 100pF | C1101 | 08S35374W01 | CP., 0.1μF |
| C521 | 08S82122F65 | CP., 1500pF | E1101 | 23S55311W42 | CP. TAN., 4.7μF / 20V |
| C522 | 08T15807W05 | CP., 0.1μF | C1102 | 08S45677W36 | CP., 100pF |
| (All resistors are chip 1/10W±5% unless otherwise noted.) | | | E1102 | 23S55311W23 | CP. TAN., 10μF / 10V |
| Resistors | | | C1103 | 08S65128F71 | CP., 0.015μF |
| R521 | 06S64995F85 | 22K ohm | E1103 | 23S55311W42 | CP. TAN., 4.7μF / 20V |
| R522 | 06S64995F77 | 10K ohm | C1104 | 08S65128F69 | CP., 0.01μF |
| R523 | 06S64995F61 | 2.2K ohm | E1104 | 23S55311W23 | CP. TAN., 10μF / 10V |
| R524 | 06S64995F65 | 3.3K ohm | C1105 | 08S65128F69 | CP., 0.01μF |
| R525 | 06S64995F29 | 100 ohm | E1105 | 23S55311W42 | CP. TAN., 4.7μF / 20V |
| R526 | 06S64995F85 | 22K ohm | C1106 | 08S65128F69 | CP., 0.01μF |
| R527 | 06S64995F53 | 1K ohm | E1106 | 23T85373W03 | CP. ELY., 47μF / 5.5V |
| DP-Main P.W.Board | | | C1107 | 08T15399W02 | CP., 0.033μF |
| IC's | | | C1108 | 08S35374W01 | CP., 0.1μF |
| IC1101 | 51T75549W02 | TC9296AF | E1108 | 23S55311W23 | CP. TAN., 10μF / 10V |
| IC1102 | 51T75548W01 | TA2066F | C1109 | 08S65128F71 | CP., 0.015μF |
| IC1103 | 51T85408W01 | BA6791FP | E1109 | 23T85373W05 | CP. ELY., 10μF / 16V |
| IC1104 | 51T16025W01 | NJM2100M | C1110 | 23T85373W05 | CP. ELY., 10μF / 16V |
| IC1201 | 51T16025W01 | NJM2100M | C1111 | 08T15399W01 | CP., 0.022μF |
| IC1202 | 51T11054W02 | NJM78L05UA | C1112 | 08T15399W01 | CP., 0.022μF |
| IC1501 | 51T55288W02 | LB1638M | C1113 | 08S35374W01 | CP., 0.1μF |
| Transistors | | | C1114 | 08S35374W01 | CP., 0.1μF |
| Q1101 | 48T80611F01 | CP., 2SB1132 | C1115 | 08S45677W16 | CP., 15pF |
| Q1102 | 48T80611F01 | CP., 2SB1132 | C1116 | 08S45677W18 | CP., 18pF |
| Diode | | | C1118 | 08S65128F69 | CP., 0.01μF |
| D1501 | 48T81063F01 | CP., MA159 | C1119 | 08S65128F79 | CP., 0.027μF |
| | | | C1120 | 08S65128F71 | CP., 0.015μF |
| | | | C1121 | 08S35374W01 | CP., 0.1μF |
| | | | C1122 | 08T65289W03 | CP., 1μF |
| | | | C1124 | 08S45677W14 | CP., 12pF |
| | | | C1125 | 08S45677W05 | CP., 3pF |
| | | | C1127 | 08S65128F65 | CP., 4700pF |
| | | | C1128 | 08S65128F63 | CP., 3300pF |
| | | | C1131 | 08T15399W03 | CP., 0.047μF |
| | | | C1132 | 08S45676W62 | CP., 1200pF |
| | | | C1133 | 08S35374W01 | CP., 0.1μF |
| | | | C1134 | 08S65128F79 | CP., 0.027μF |
| | | | C1135 | 08S65128F62 | CP., 2700pF |
| | | | C1136 | 08T55487W02 | CP., 0.022μF |
| | | | C1138 | 08S35374W01 | CP., 0.1μF |
| | | | C1140 | 08S35374W01 | CP., 0.1μF |
| | | | E1202 | 23T85373W03 | CP. ELY., 47μF / 5.5V |

| Symbol No. | Part No. | Description |
|---|-------------|-----------------------|
| E1204 | 23T85373W05 | CP. ELY., 10µF / 16V |
| C1205 | 08S45677W32 | CP., 68pF |
| E1205 | 23T85373W03 | CP. ELY., 47µF / 5.5V |
| C1206 | 08S45677W32 | CP., 68pF |
| E1206 | 23T85373W05 | CP. ELY., 10µF / 16V |
| C1207 | 08S45677W32 | CP., 68pF |
| E1207 | 23T85373W05 | CP. ELY., 10µF / 16V |
| C1208 | 08S45677W32 | CP., 68pF |
| C1209 | 08S45677W32 | CP., 68pF |
| C1210 | 08S45677W32 | CP., 68pF |
| C1212 | 08S45677W32 | CP., 68pF |
| C1213 | 08S45677W32 | CP., 68pF |
| C1215 | 08S65128F79 | CP., 0.027µF |
| C1216 | 08S82122F61 | CP., 1000pF |
| C1217 | 08S82122F61 | CP., 1000pF |
| C1501 | 08S65128F79 | CP., 0.027µF |
| E1501 | 23T85373W05 | CP. ELY., 10µF / 16V |
| (All resistors are chip 1/16W±5% unless otherwise noted.) | | |
| R1101 | 06S45674W57 | 1K ohm |
| R1102 | 06S45674W81 | 10K ohm |
| R1103 | 06S45674W97 | 47K ohm |
| R1104 | 06S45675W06 | 100K ohm |
| R1105 | 06S45675W34 | 2.2M ohm |
| R1106 | 06S45674W93 | 33K ohm |
| R1108 | 06S64995F77 | 10K ohm 1/10W |
| R1109 | 06S45674W81 | 10K ohm |
| R1110 | 06S45674W57 | 1K ohm |
| R1111 | 06S45674W57 | 1K ohm |
| R1112 | 06S45674W65 | 2.2K ohm |
| R1113 | 06S70072F22 | 51 ohm 1/4W |
| R1114 | 06S70072F22 | 51 ohm 1/4W |
| R1115 | 06S45674W85 | 15K ohm |
| R1116 | 06S45674W81 | 10K ohm |
| R1117 | 06S45674W73 | 4.7K ohm |
| R1119 | 06S45674W88 | 20K ohm |
| R1121 | 06S45674W88 | 20K ohm |
| R1123 | 06S45674W91 | 27K ohm |
| R1124 | 06S45674W57 | 1K ohm |
| R1125 | 06S45674W33 | 100 ohm |
| R1126 | 06S45674W33 | 100 ohm |
| R1127 | 06S45674W54 | 750 ohm |
| R1128 | 06S45674W54 | 750 ohm |
| R1130 | 06S45674W97 | 47K ohm |
| R1131 | 06S45674W57 | 1K ohm |
| R1133 | 06S45674W49 | 470 ohm |
| R1135 | 06S45674W65 | 2.2K ohm |

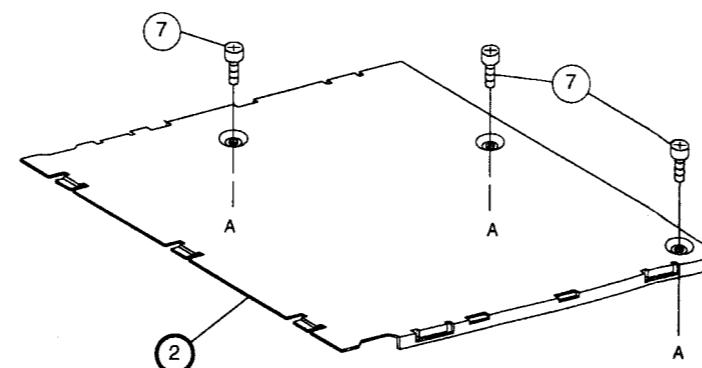
| Symbol No. | Part No. | Description |
|---------------|-------------|---|
| R1136 | 06S45674W77 | 6.8K ohm |
| R1137 | 06S45674W81 | 10K ohm |
| R1138 | 06S45674W95 | 39K ohm |
| R1140 | 06S45674W87 | 18K ohm |
| R1141 | 06S45674W81 | 10K ohm |
| R1143 | 06S45674W77 | 6.8K ohm |
| R1145 | 06S45674W92 | 30K ohm |
| R1147 | 06S45674W54 | 750 ohm |
| R1150 | 06S64995F77 | 10K ohm 1/10W |
| R1151 | 06S45675W04 | 82K ohm |
| R1160 | 06S45674W54 | 750 ohm |
| R1205 | 06S45674W25 | 47 ohm |
| R1206 | 06S45674W25 | 47 ohm |
| R1207 | 06S45674W95 | 39K ohm |
| R1208 | 06S45674W95 | 39K ohm |
| R1209 | 06S45674W90 | 24K ohm |
| R1210 | 06S45674W90 | 24K ohm |
| R1211 | 06S45674W95 | 39K ohm |
| R1212 | 06S45674W95 | 39K ohm |
| R1213 | 06S45674W90 | 24K ohm |
| R1214 | 06S45674W90 | 24K ohm |
| R1215 | 06S45674W90 | 24K ohm |
| R1216 | 06S45674W90 | 24K ohm |
| R1217 | 06S45674W90 | 24K ohm |
| R1218 | 06S45674W90 | 24K ohm |
| R1219 | 06S45674W73 | 4.7K ohm |
| R1220 | 06S45674W73 | 4.7K ohm |
| R1221 | 06S45674W73 | 4.7K ohm |
| R1222 | 06S45674W73 | 4.7K ohm |
| Miscellaneous | | |
| ○ CH401 | 09T15299Y15 | 15P Connector |
| ● CH3401 | 09T15298Y15 | 15P Connector |
| DIN501 | 09T55493W02 | DIN Connector 8P |
| ET001 | 09T15174W02 | Antenna Receptacle |
| ET801 | 09T55175W16 | Speaker Output & Power Supply Connector |
| HD1201 | 88T55261W01 | Pick-Up Unit |
| ● JK201 | 09T70753F08 | RCA Connector (REAR) |
| ○ JK202 | 09T15385Y01 | RCA Connector (FRONT / REAR) |
| ○ JK504 | 09T95460W01 | Remote Control Interface Connector |
| ○ LCD401 | 65T15217Y01 | LCD Display |
| ● LCD3401 | 65T15327Y01 | LCD Display |
| M1301 | 01V73300W33 | Assy., Motor - Load (7V-370mA) |
| M1302 | 01V73300W35 | Assy., Motor Spindle (2V-90mA) |

| Symbol No. | Part No. | Description | Symbol No. | Part No. | Description |
|------------|-------------|---|------------|----------|-------------|
| M1303 | 01V11100Y98 | Assy., Motor Sled (7V-370mA) | | | |
| SW1301 | 40T25956W02 | Switch, Detector (DISC CHUCKING POSITION) | | | |
| SW1302 | 40T25956W02 | Switch, Detector (DISC LOAD) | | | |
| SW1303 | 40T25956W01 | Switch, Detector (DISC LOAD) | | | |
| SW1304 | 40T25956W02 | Switch, Detector (DISC END) | | | |
| SW1305 | 40T71025F03 | Switch, Detector (LIMIT) | | | |

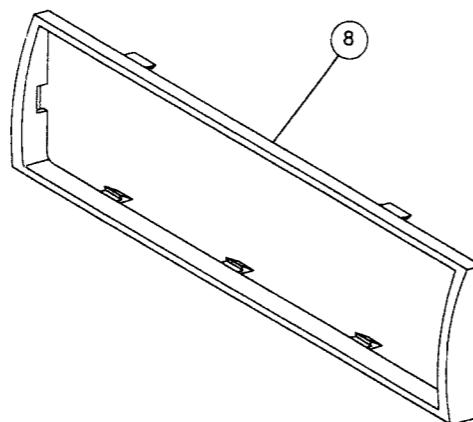
NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Exploded View (Cabinet)

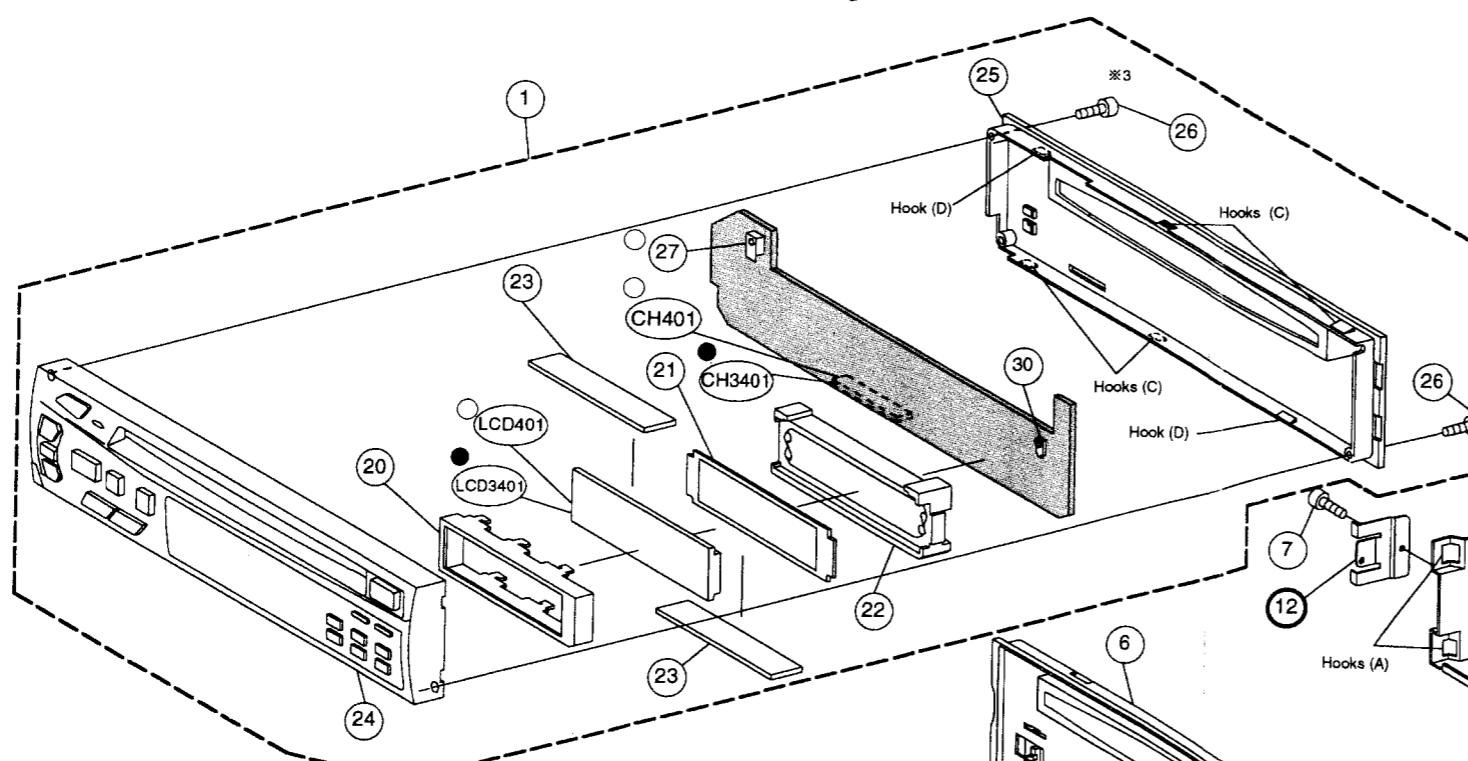
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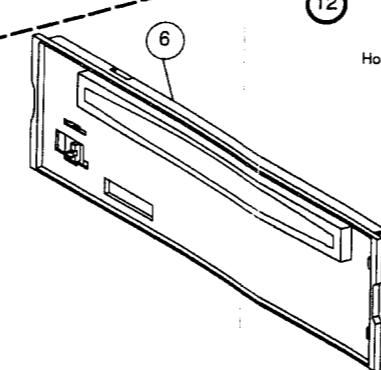
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3



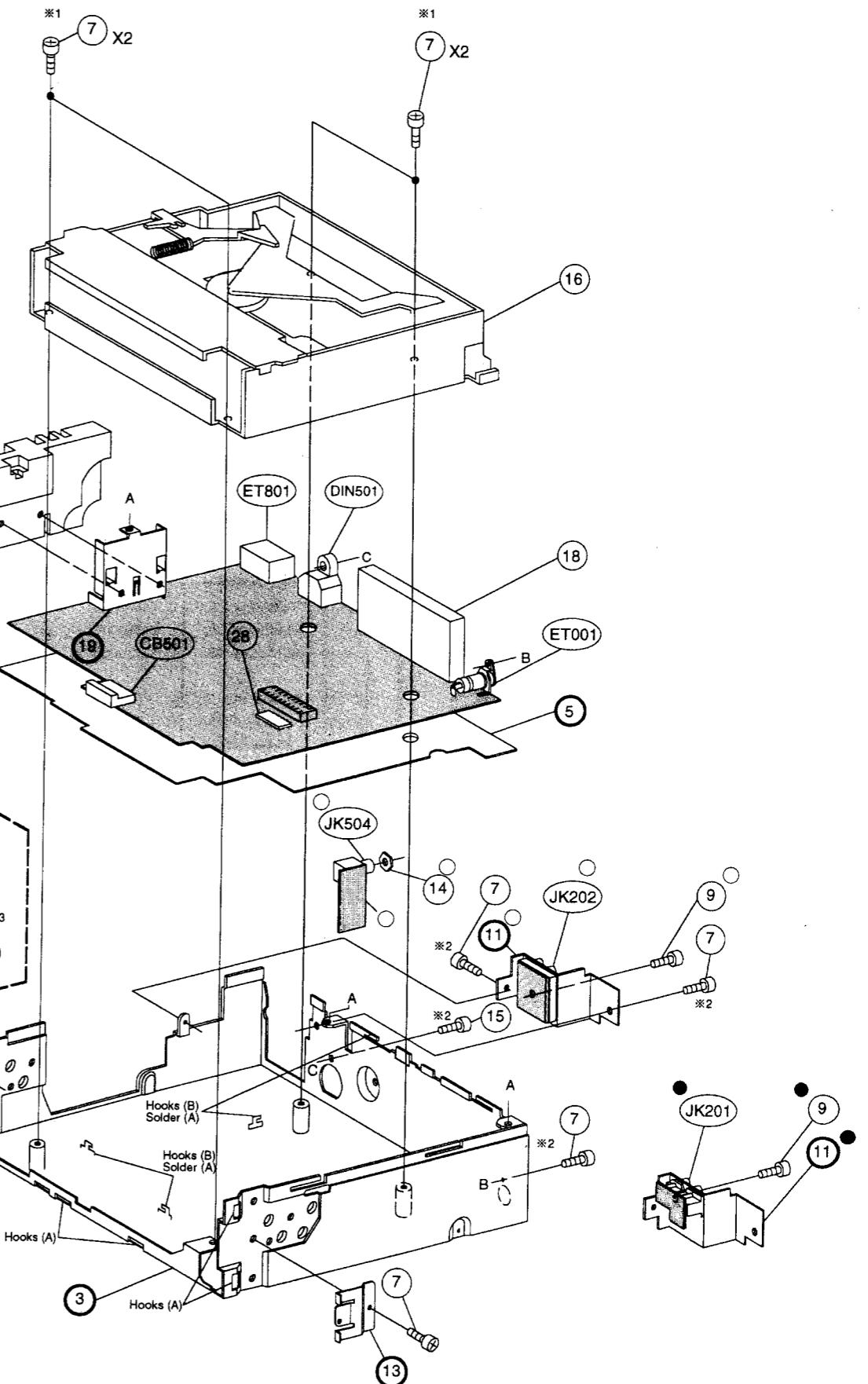
4



5

NOTE:
 ○:For CDM-7837R Model Only,
 ●:For CDM-7834R Model Only,
 Others:Common.

NOTE : The screws marked “*1~3” are disassembly parts.



A

B - 51 -

C

D

E

F - 52 -

G

Cabinet Assembly Parts List

| Symbol No. | Index | Part No. | Description |
|------------|-------|-------------|---------------------------------------|
| ○ 1 | 3-B | 01V13700Y40 | Assy., Nose Unit |
| ● 1 | 3-B | 01V13700Y46 | Assy., Nose Unit |
| 6 | 5-D | 13C10783Y01 | Assy., Front Escutcheon |
| 7 | | 03S44205G29 | Screw, Pan (M2.6X6) |
| 8 | 2-C | 33C10618Y01 | Face, Plate |
| 9 | | 03S40012G28 | Screw, Tapping (M3X8) |
| 10 | 2-D | 03S38013W05 | Screw, Pan (M2.6X16) |
| ○ 14 | 4-F | 02S40000G53 | Nut, Hex. (M6) |
| 15 | 4-F | 03S68555F16 | Screw, Pan (M2.6X8) |
| 16 | 2-G | 81D10183Y01 | CD Deck Mechanism, DP23L23A |
| 18 | 3-G | 77B10459Y01 | FM/MW/LW Tuner Unit, MB4R6050 (FE001) |
| 20 | 4-B | 15B10491Y01 | Cover, LCD |
| ○ 21 | 4-C | 26A10492Y01 | Reflector, Sheet |
| ● 21 | 4-C | 26A10492Y04 | Reflector, Sheet |
| ○ 22 | 4-C | 15D10490Y01 | Assy., Case LCD |
| ● 22 | 4-C | 15D10499Y02 | Assy., Case LCD |
| 23 | | 75T8524BW08 | Rubber, Electric |
| ○ 24 | 5-B | 13C10471Y04 | Assy., Nosepiece |
| ● 24 | 5-B | 13C10494Y04 | Assy., Nosepiece |
| 25 | 3-D | 13D10486Y01 | Nose, Bottom |
| 26 | | 03S68555F39 | Screw, Pan (M1.7X10) |
| ○ 27 | 4-C | 07A11037Y01 | Bracket, Remote |
| 28 | 3-F | 14S51152W44 | Insulator, Cover |
| 30 | 4-D | 15A80548W01 | Cover, LED |

NOTE : ○: For CDM-7837R Model Only, ●: For CDM-7834R Model Only, Others : Common.

Disassembly Instructions

1. Removal of Nose Unit

- (1) Refer to the Owner's Manual (Part No. 68P10924Y24, 25).

2. Removal of Front Escutcheon

- (1) After removal of Top Cover, Face Plate and two Bracket Side, remove six Hooks (A). Hooks (A) (5-E)

3. Removal of CD Deck Mechanism

- (1) After removal of Front Escutcheon, remove four screws No.7. Screws No. 7 (※1) (1-E, 1-F)
(2) Disconnect one connector from Main P.W.Board.

4. Removal of Main P.W. Board

- (1) After removal of CD Deck Mechanism, remove four screws No. 7 Screw No. 7 (※2) (4-F, 4-G, 5-G)
and No. 15. Screw No. 15 (※2) (4-F)
(2) Remove a Nut No. 14 (○). Nut No. 14 (4-F)
(3) Remove four points of Solder (A) and four Hooks (B). Solder (A) (5-E)
(4) Main P.W.Board with Jack P.W.Board (1) and Remote Control P.W.Board can be removed completely. (○)
(4) Main P.W.Board with Jack P.W.Board (2) can be removed completely. (●)

5. Removal of Front P.W. Board

- (1) After removal of Nose Unit, remove two screws No.26. Screws No. 26 (※3) (3-D, 4-E)
(2) Remove four Hooks (C), and remove Nosepiece. Hooks (C) (3-D, 4-D)
(3) Remove two Hooks (D), and remove Front P.W.Board. Hooks (D) (3-C, 4-D)

NOTE: For the screws No., Nut No., Hook and Solder, refer to the Exploded View (Cabinet).

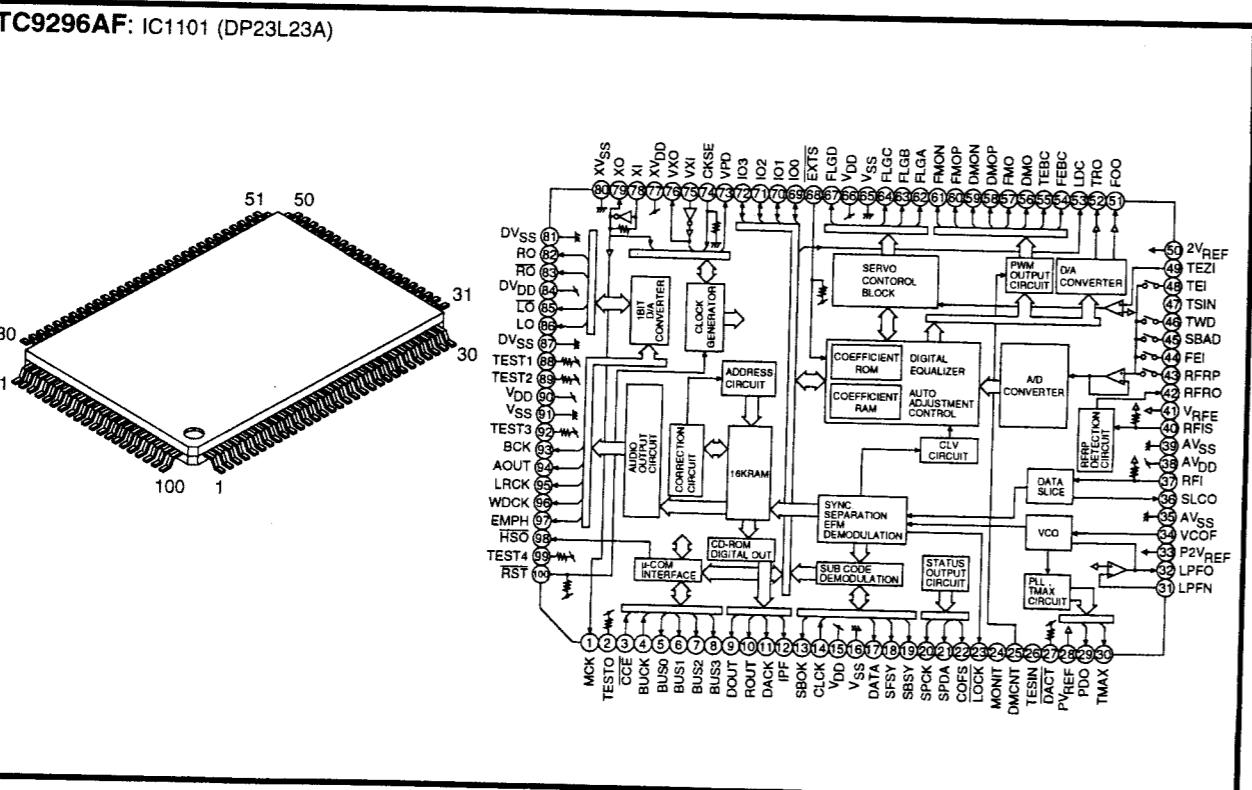
○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Semi-Conductor Lead Identifications

NOTE : For the parts not mentioned, refer to the Schematic Diagram.

15160Y01 : IC601

| PIN NO. | CODE ADDRESS | I/O |
|---------|--------------|-----|---------|--------------|-----|---------|--------------|-----|---------|--------------|-----|
| 1 | AD-1 | I | 23 | L-CONT | O | 45 | PLL DI | O | 64 | BUS-IN | I |
| 2 | AD-2 | I | 24 | V-CONT | O | 46 | PLL CLK | O | 65 | BUS-OUT | O |
| 3 | SD/ST | I | 25 | LOAD FWD | O | 47 | PLL DO | I | 66 | NFP2 | O |
| 4 | GND | - | 26 | LOAD BWD | O | 48 | DAVN | I | 67 | NFP1 | O |
| 5 | INTLZ | I | 27 | SW-2 | I | 49 | FM MONO | I/O | 68 | VDD | - |
| 6 | NC | - | 28 | SW-4 | I | 50 | MUTE | O | 69 | X2 | - |
| 7 | AVREF | - | 29 | SW-3 | I | 51 | IN-INT | I | 70 | X1 | - |
| 8 | RXD | I | 30 | SELECT 1 | I | 52 | IF-MUTE | O | 71 | GND | - |
| 9 | TXD | O | 31 | SELECT 2 | I | 53 | EV CLK | O | 72 | NC | - |
| 10 | AMB/GRN | O | 32 | SW-1 | I | 54 | EV DATA | O | 73 | PULL-DOWN | - |
| 11 | LED IND | O | 33 | GND | - | 55 | SELECT 3 | I | 74 | AVDD | - |
| 12 | LCD DATA | O | 34 | LIMIT-SW | I | 56 | SELECT 4 | I | 75 | AVREF | - |
| 13 | FUNCTION | O | 35 | LSI-RST | O | 57 | POWER ON | O | 76 | M/P | I |
| 14 | LCD CL | O | 36 | BUS-0 | I/O | 58 | NOSE PWR | O | 77 | NC | - |
| 15 | NC | - | 37 | BUS-1 | I/O | 59 | POWER IC ON | O | 78 | SMETER | I |
| 16 | LCD CE | O | 38 | BUS-2 | I/O | 60 | RESET | I | 79 | T-SENS | I |
| 17 | I2C CLK | O | 39 | BUS-3 | I/O | 61 | REMOCON | I | 80 | NOSE ON | I |
| 18 | I2C DATA | I/O | 40 | BUCK | O | 62 | PULL-DOWN | - | | | |
| 19 | CD CE | O | 41 | CCE | O | 63 | B-HOLD | I | | | |
| 20 | CD CLK | O | 42 | LOCK | I | 64 | PLL CE | O | | | |
| 21 | CD DATA | O | 43 | AM SD | I | 65 | A-HOLD | I | | | |
| 22 | NC | - | 44 | PLL CE | O | 66 | | | | | |



NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

CD Mechanism Assembly Parts List

NOTE : For the parts not mentioned, refer to the Service Manual for DP-L SERIES (Part No. 68E26422S01).

| Model | DP23L05A | | | DP23L23A | | |
|-------|------------|-------------|----------------------------|-------------|----------------------------|----------|
| | Symbol No. | Index | Part No. | Description | Index | Part No. |
| 2 | 5-G | 01B70635W01 | Assy., Rivet Arm Disc | 01B00578K01 | Assy., Rivet Arm Disc | |
| 7 | 5-F | 44A70617W01 | Gear (C) | 44A70617W02 | Gear (C) | |
| 10 | 5-B | 27C70602W01 | Chassis, Top | 27C00576K01 | Chassis, Top | |
| 13 | 3-D | 01A70636W01 | Assy., Rivet Bracket Motor | 01A00579K01 | Assy., Rivet Bracket Motor | |
| 19 | 2-B | 01A70580W01 | Assy., Chassis Pick-Up | 01A00588K01 | Assy., Chassis Pick-Up | |
| 26 | 2-C | 41A70587W01 | Spring, Multi | 41A70587W10 | Spring, Multi | |
| 30 | 1-D | 41A70586W01 | Spring, Nut (A) | 41A70586W10 | Spring, Nut (A) | |
| 35 | 3-A | 07A70588W01 | Stopper, Clamp | 07A00568K01 | Stopper, Clamp | |
| 43 | 3-E | 45A70629W01 | Lever, Switch | 45A70629W02 | Lever, Switch | |
| 45 | 4-F | 44A70616W01 | Gear (B) | 44A70616W02 | Gear (B) | |
| 46 | 4-E | 45B70619W01 | Lever, Cam | 45B70619W02 | Lever, Cam | |
| 51 | 4-E | 07A70633W01 | Bracket, Motor-Wire | 07A70633W10 | Bracket, Motor-Wire | |
| 52 | 4-E | 01A70637W01 | Assy., Rivet Arm Timing | 01A00593K01 | Assy., Rivet Arm Timing | |
| 53 | 4-F | 41A70606W01 | Spring, Washer | 41A70606W10 | Spring, Washer | |
| 62 | 2-F | 45B70623W01 | Arm, Lock (R) | 45B70623W10 | Arm, Lock (R) | |

Miscellaneous

| | | | | |
|-------|-------------|------------------------------|-------------|------------------------------|
| M1303 | 01V73300W38 | Assy., Motor Sled (7V-370mA) | 01V11100Y98 | Assy., Motor Sled (7V-370mA) |
| | | | | |

ALPINE SERVICE MANUAL

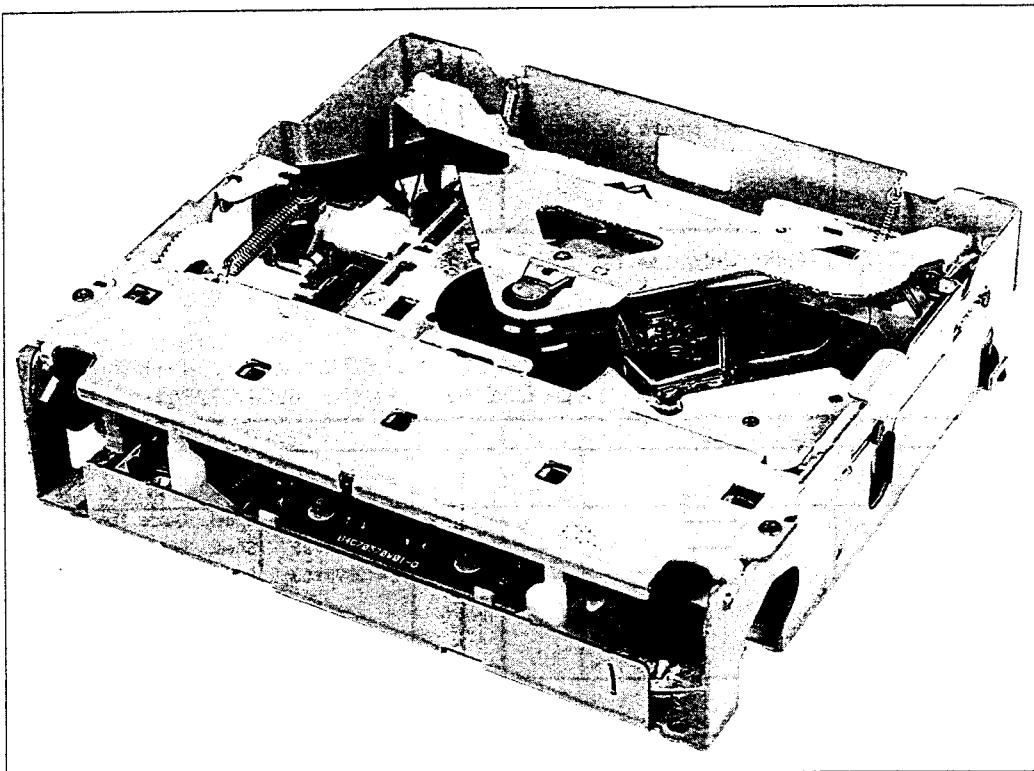


V23251

CD Player Mechanism

ADDENDUM & REVISED (III)

- This manual is described on DP23L05A/DP24L05A only. The DP23L05A/DP24L05A is developed from DP23L010. For information that is not mentioned in this service manual, refer to the Service Manual • DP-L SERIES (68E24872S01). V19009 30
- 当マニュアルはDP23L05A/DP24L05Aについてのみ記載しております。又、DP23L010がベースモデルとなっておりますので、相違部分のみ記載しております。詳細についてはDP-L SERIES (68E24872S01) を参照願います。



DP-L SERIES

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| | |
|--|--------|
| CD Mechanism Assembly Parts List (Only Difference) | 2 |
| Exploded View (CD Mechanism) | 3 to 4 |

Mechanism Function Description Refer to the Service Manual for DP-L Series
 Component Disassembly and Assembly Notes (Part No. 68E23246S01).

Cabinet Assembly Parts List

NOTE : For the parts not mentioned, refer to the Service Manual for DP-L SERIES (Part No. 68E24872S01).

| DP-L SERIES | | | | DP23L05A/DP24L05A | | | |
|-------------|------------|-------|----------|-------------------|-------|-------------|------------------|
| Model | Symbol No. | Index | Part No. | Description | Index | Part No. | Description |
| 67 | | — | — | — | 4-B | 75A10573Y01 | Sheet, Guide Top |
| 68 | | — | — | — | 4-C | 75A10573Y02 | Sheet, Guide Top |
| 69 | | — | — | — | 2-B | 75A10573Y03 | Sheet, Guide Top |

| Miscellaneous | | | | | | | | |
|---------------|-----|-------------|--------------------------------|---|-----|-------------|--------------------------------|--------------|
| HD1201 | 1-C | 81B81296W01 | Pick-Up Unit | — | ○ | 1-C | 81B81296W02 | Pick-Up Unit |
| or | 1-C | — | — | — | ○ | 1-C | 81B10890Y01 | Pick-Up Unit |
| HD1201 | 1-C | 81B81296W01 | Pick-Up Unit | — | ● | 1-C | 88T55261W01 | Pick-Up Unit |
| M1302 | 2-D | 01V94200W03 | Assy., Motor Spindle (3V-90mA) | — | 2-D | 01V73300W35 | Assy., Motor Spindle (2V-90mA) | — |

NOTE : ○: For DP23L05A Model Only, ●: For DP24L05A Model Only, Others : Common.

キャビネット関係部品相違表

※ 記載されていない部品については、サービスマニュアル・
 DP-L SERIES (Part No. 68E24872S01) を参照願います。

| DP-L SERIES | | | | | DP23L05A/DP24L05A | | | | | | |
|-------------|----|----|------|-----|-------------------|-------|-------------|------------------|------|-----|-------|
| Model | 記号 | 索引 | 部品番号 | 部品名 | 標準卸価格 | Model | 記号 | 索引 | 部品番号 | 部品名 | 標準卸価格 |
| 67 | | — | — | — | — | 4-B | 75A10573Y01 | Sheet, Guide Top | — | — | 45 |
| 68 | | — | — | — | — | 4-C | 75A10573Y02 | Sheet, Guide Top | — | — | 45 |
| 69 | | — | — | — | — | 2-B | 75A10573Y03 | Sheet, Guide Top | — | — | 45 |

| その他の電気部品 | | | | | | | | |
|----------|-----|-------------|--------------------------------|-------|-----|-------------|--------------------------------|--------------|
| HD1201 | 1-C | 81B81296W01 | Pick-Up Unit | 3,350 | ○ | 1-C | 81B81296W02 | Pick-Up Unit |
| or | 1-C | — | — | — | ○ | 1-C | 81B10890Y01 | Pick-Up Unit |
| HD1201 | 1-C | 81B81296W01 | Pick-Up Unit | 3,350 | ● | 1-C | 88T55261W01 | Pick-Up Unit |
| M1302 | 2-D | 01V94200W03 | Assy., Motor Spindle (3V-90mA) | 1,530 | 2-D | 01V73300W35 | Assy., Motor Spindle (3V-90mA) | — |

注記 : ○: DP23L05A モデル専用, ●: DP24L05A モデル専用, その他: 共通

Exploded View (CD Mechanism)

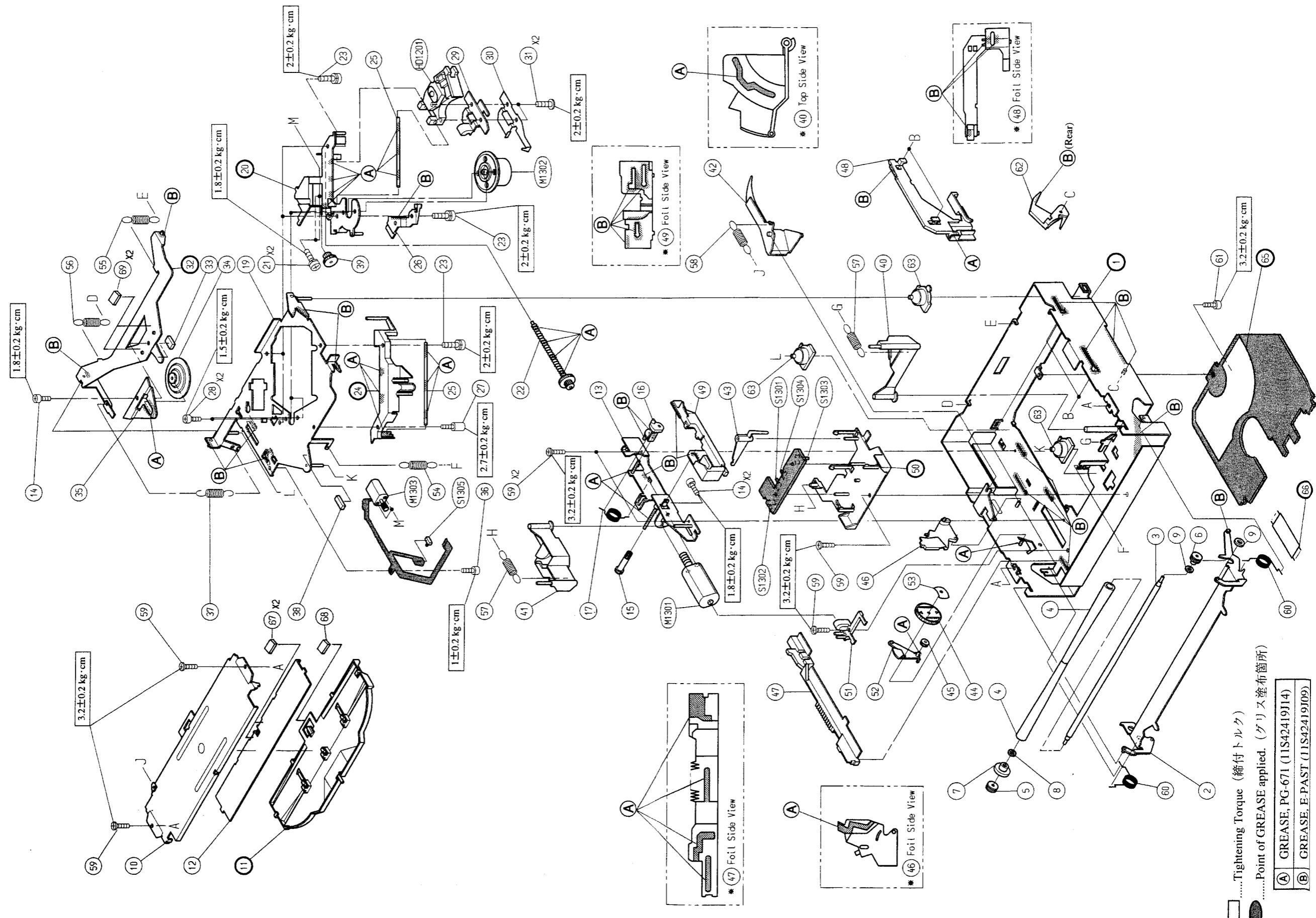
1

2

3

4

5

A**B** - 3 -**C****D****E****F** - 4 -**G**

□Tightening Torque (締付トルク)
.....Point of GREASE applied. (グリース塗布箇所)

(A) GREASE, PG-671 (11S42419J14)

(B) GREASE, E-PAST (11S42419J09)

MEMO

ALPINE ELECTRONICS INC.
Tokyo Office : 1-1-8 Nishi Gotanda,
Shinagawa-ku, Tokyo, Japan 141
Phone 03-3494-1101 Telex 8927-61

ALPINE ELECTRONICS OF AMERICA, INC.
19145 Gramercy Place
Torrance, California 90501
Phone 310-326-8000

ALPINE ELECTRONICS OF CANADA, INC.
Suite 203, 7300 Warden Ave. Markham,
Ontario L3R 9Z6. Canada
Phone 905-475-7280 Fax 905-474-9146

ALPINE ELECTRONICS GmbH
Brandenburger Str. 2-6
4030 Ratingen F.R. Germany
Phone 001-49-2102-4550 Telex 8589157
Fax 001-49-2102-445321