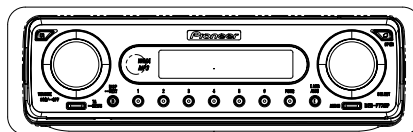


Service Manual



DEH-P77MP/EW

ORDER NO.
CRT3072

MULTI-CD/DAB CONTROL HIGH POWER CD/MP3/WMA PLAYER WITH RDS TUNER

DEH-P77MP EW



● This service manual should be used together with the following manual(s):

Model No.	Order No.	Mech. Module	Remarks
CX-3057	CRT3026	S10MP3	CD Mech. Module:Circuit Description, Mech.Description, Disassembly



For details, refer to "Important symbols for good services".

PIONEER CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153-8654, Japan
PIONEER ELECTRONICS (USA) INC. P.O.Box 1760, Long Beach, CA 90801-1760 U.S.A.
PIONEER EUROPE NV Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE.LTD. 253 Alexandra Road, #04-01, Singapore 159936

3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

3.1 BLOCK DIAGRAM

A

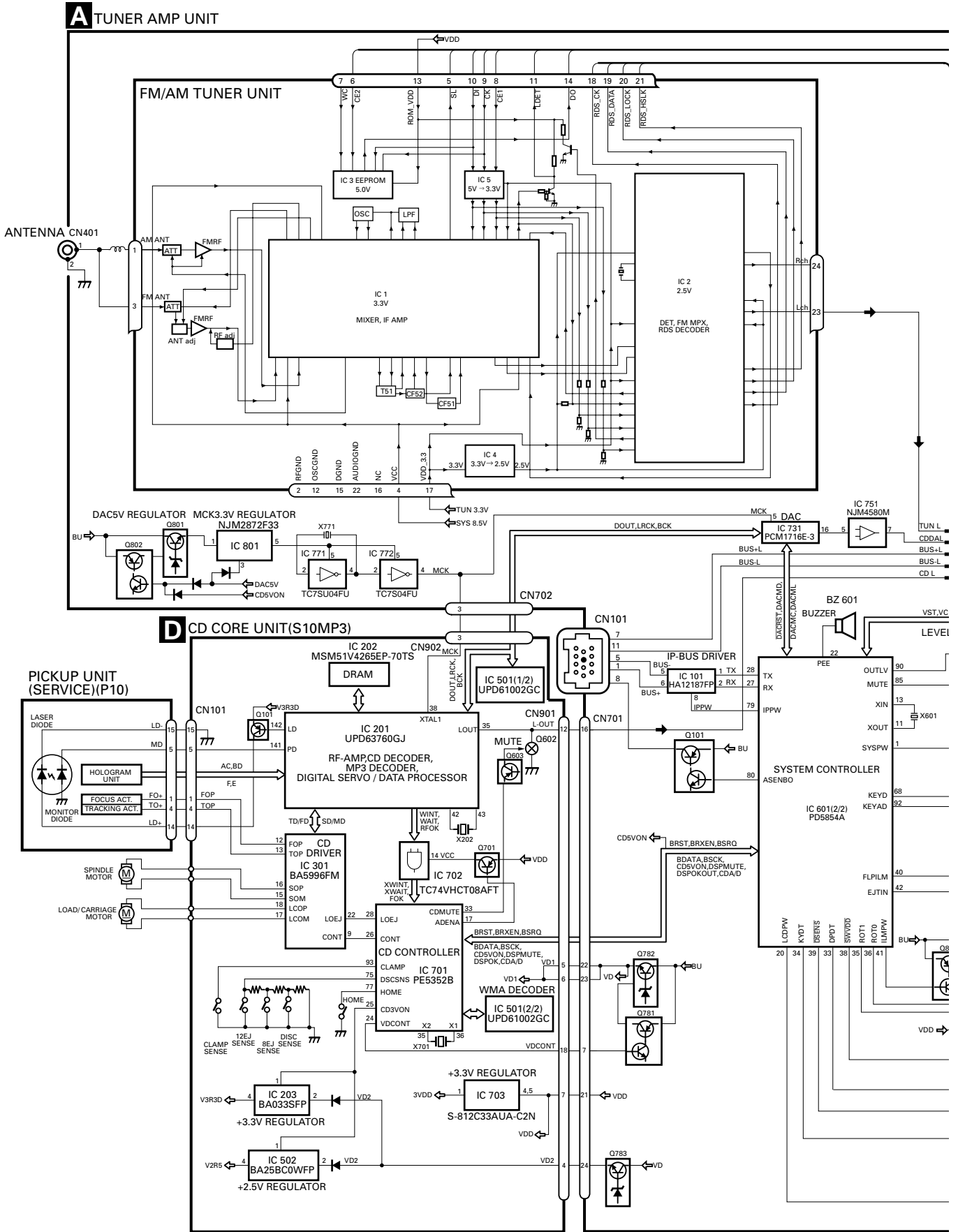
B

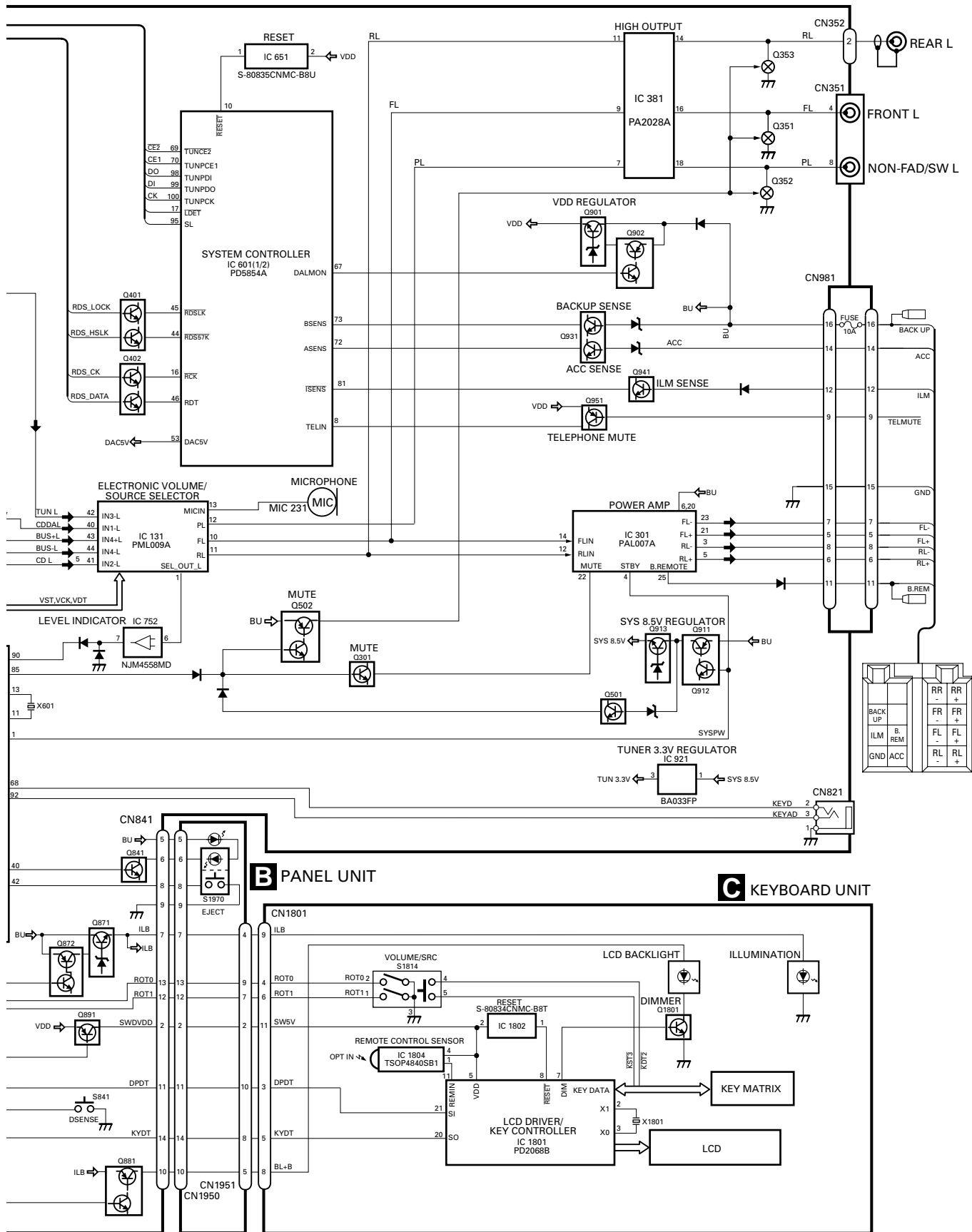
C

D

E

F





A

B

C

D

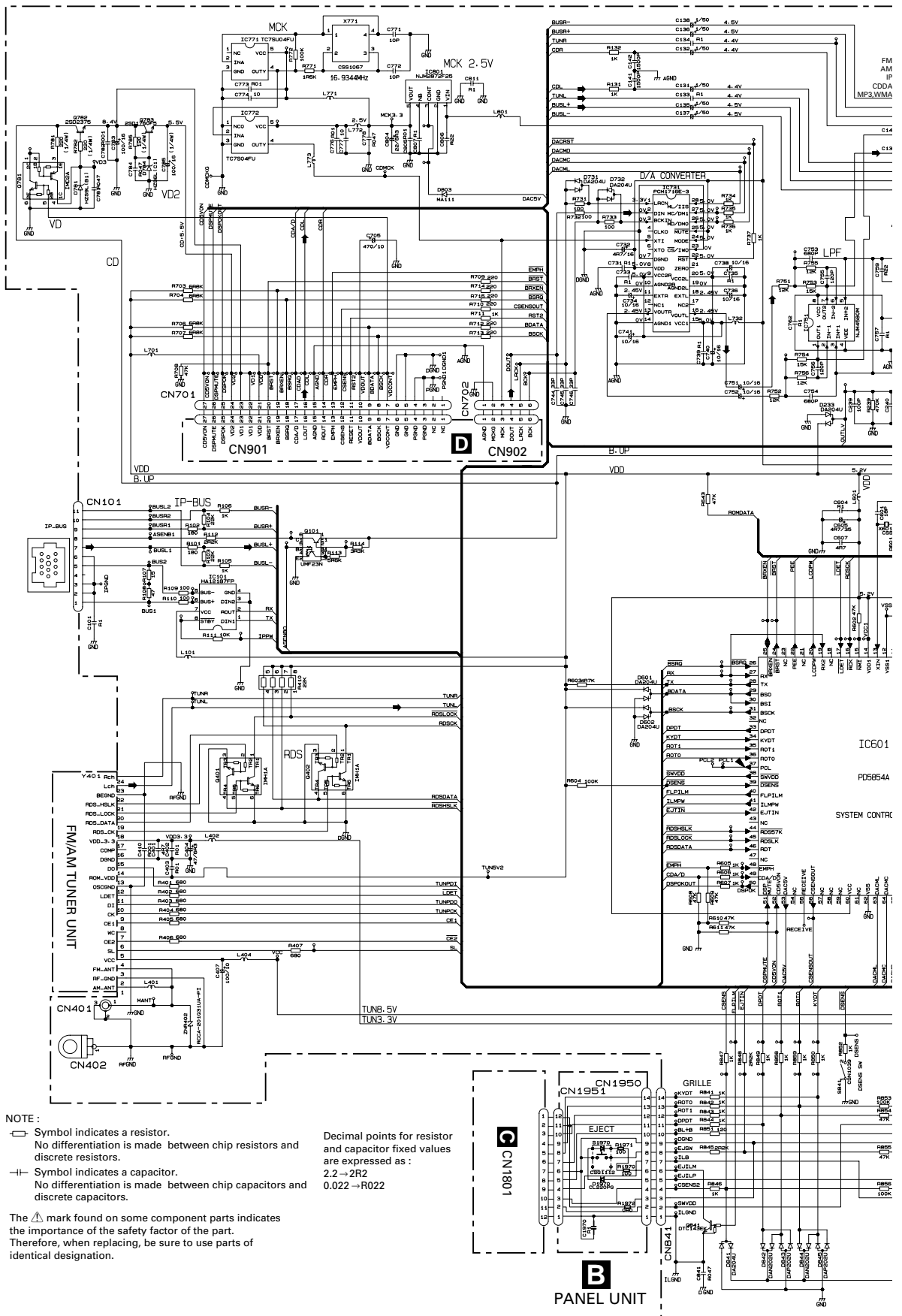
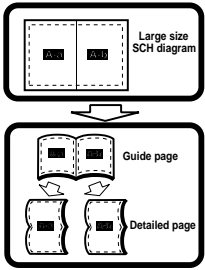
E

F

3.2 OVERALL CONNECTION DIAGRAM(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".

A-a

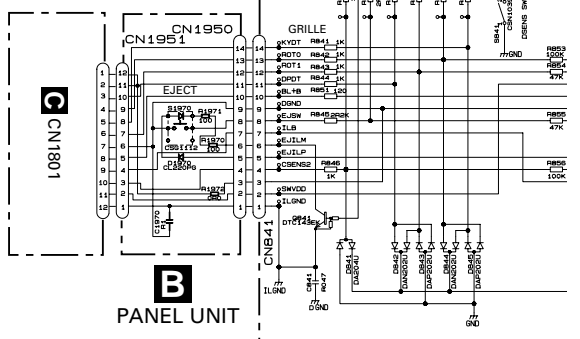


NOTE:

- Symbol indicates a resistor. No differentiation is made between chip resistors and discrete resistors.
- ⊖ Symbol indicates a capacitor. No differentiation is made between chip capacitors and discrete capacitors.

The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

Decimal points for resistor and capacitor fixed values are expressed as:
 2.2 → 2R2
 0.022 → R022



A

B

C

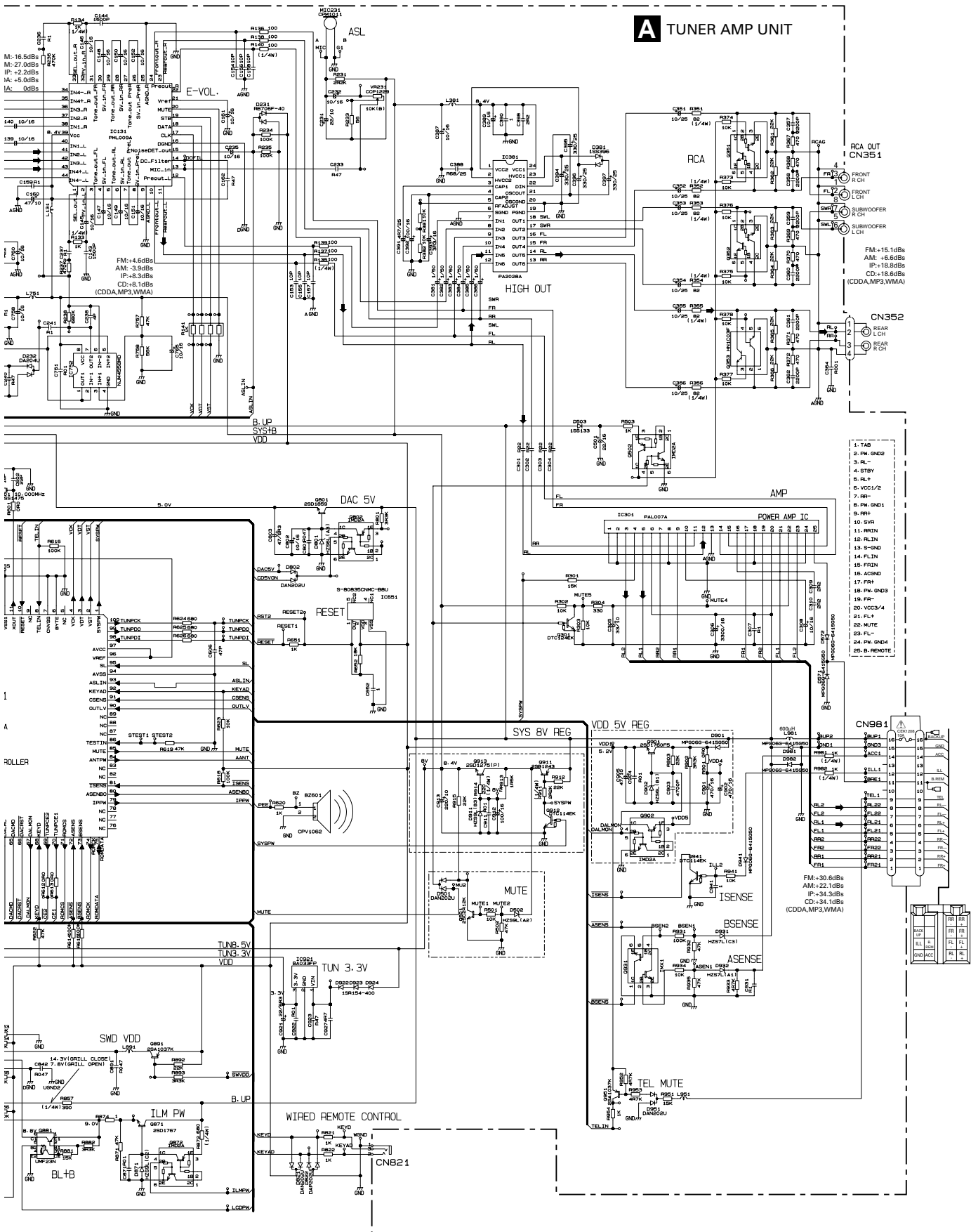
D

E

F

A-b

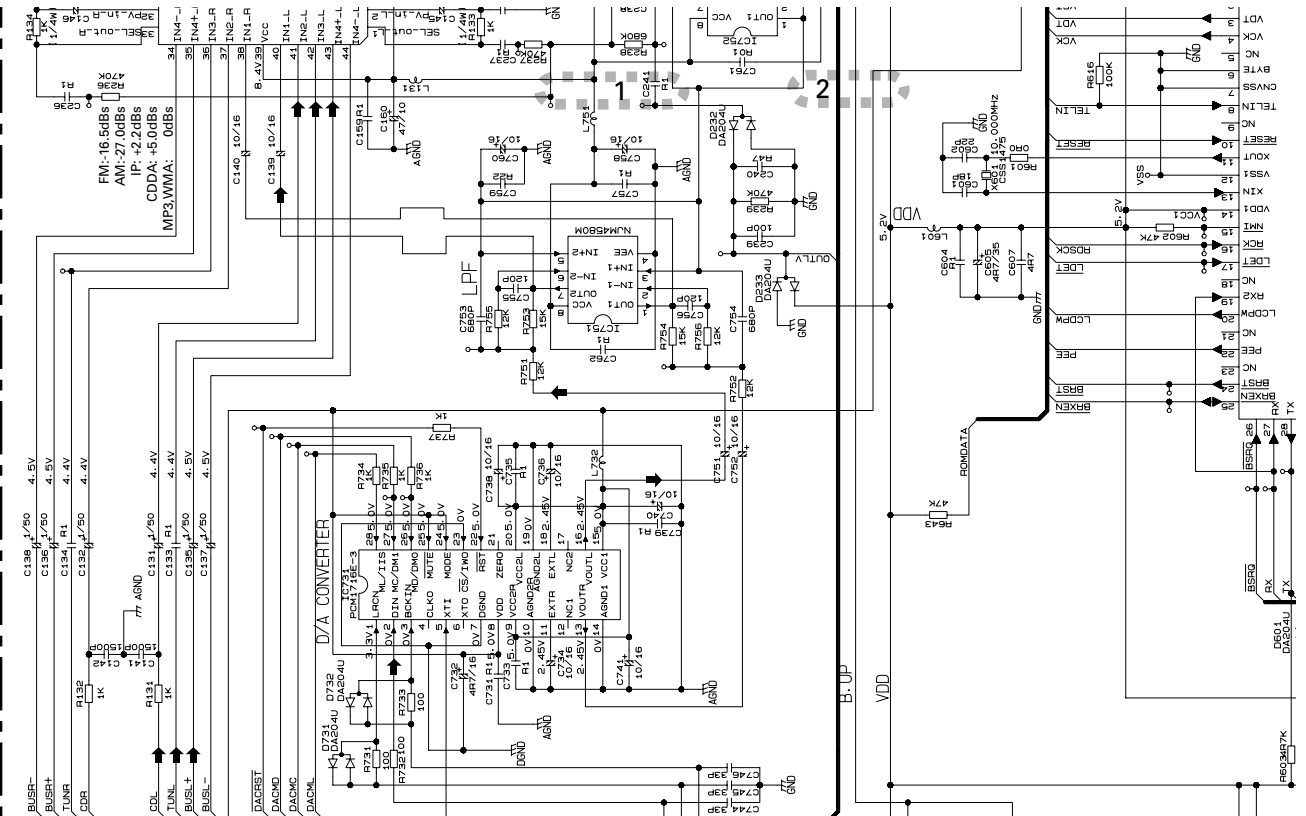
A TUNER AMP UNIT



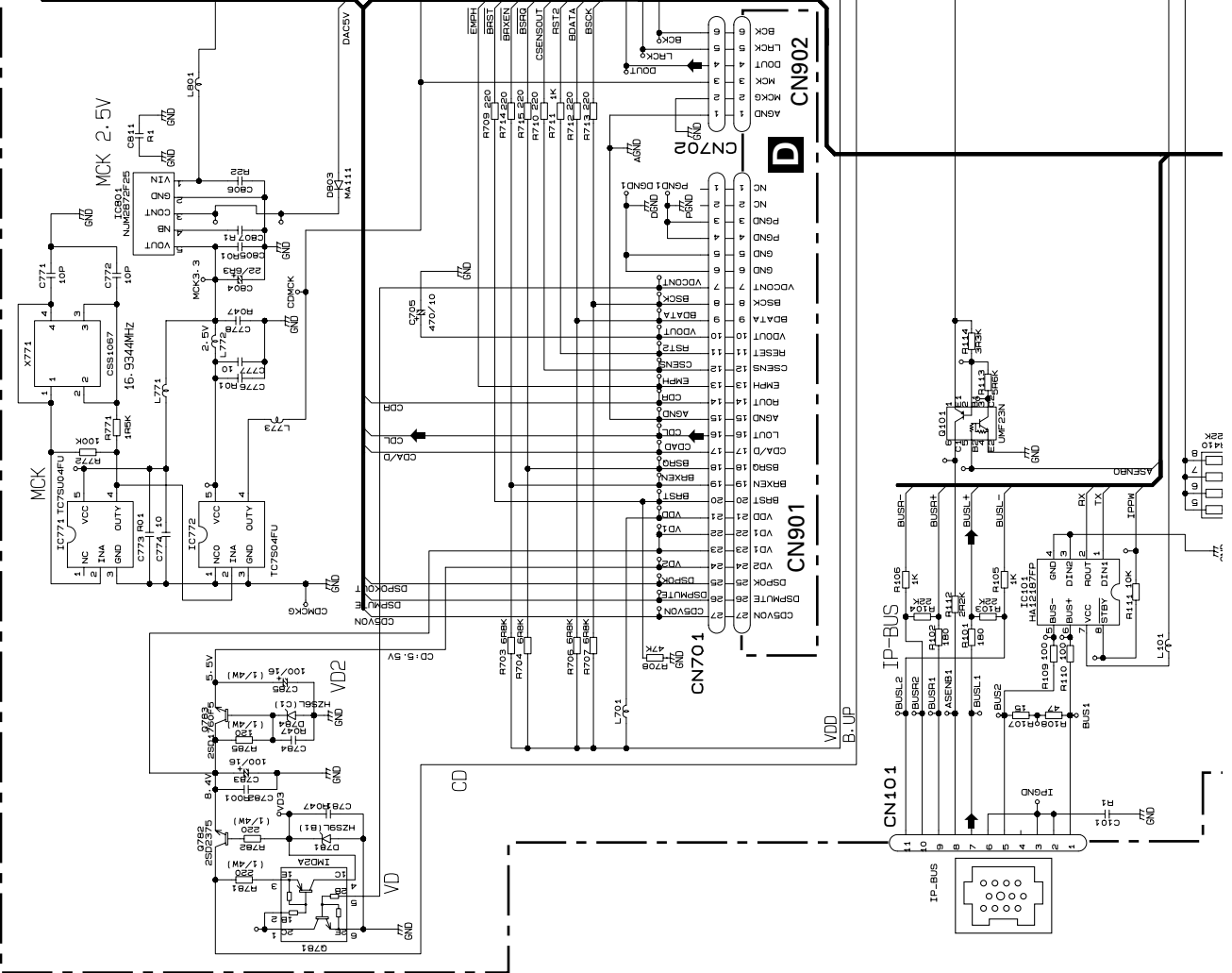
A
B
C
D
E
F



A-b



A-a



A-a

A

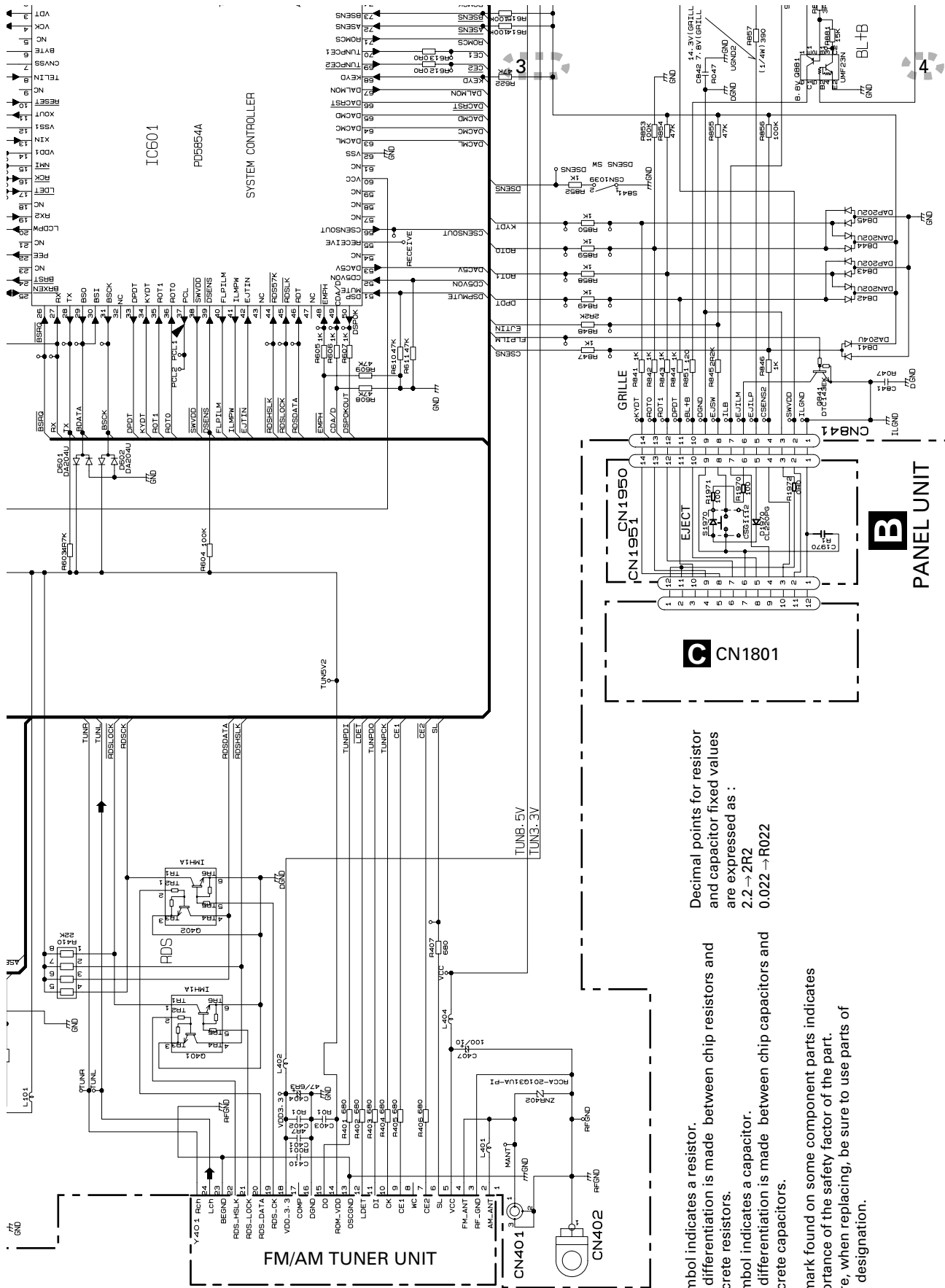
B

C

D

E

F



A-b

B

PANEL UNIT

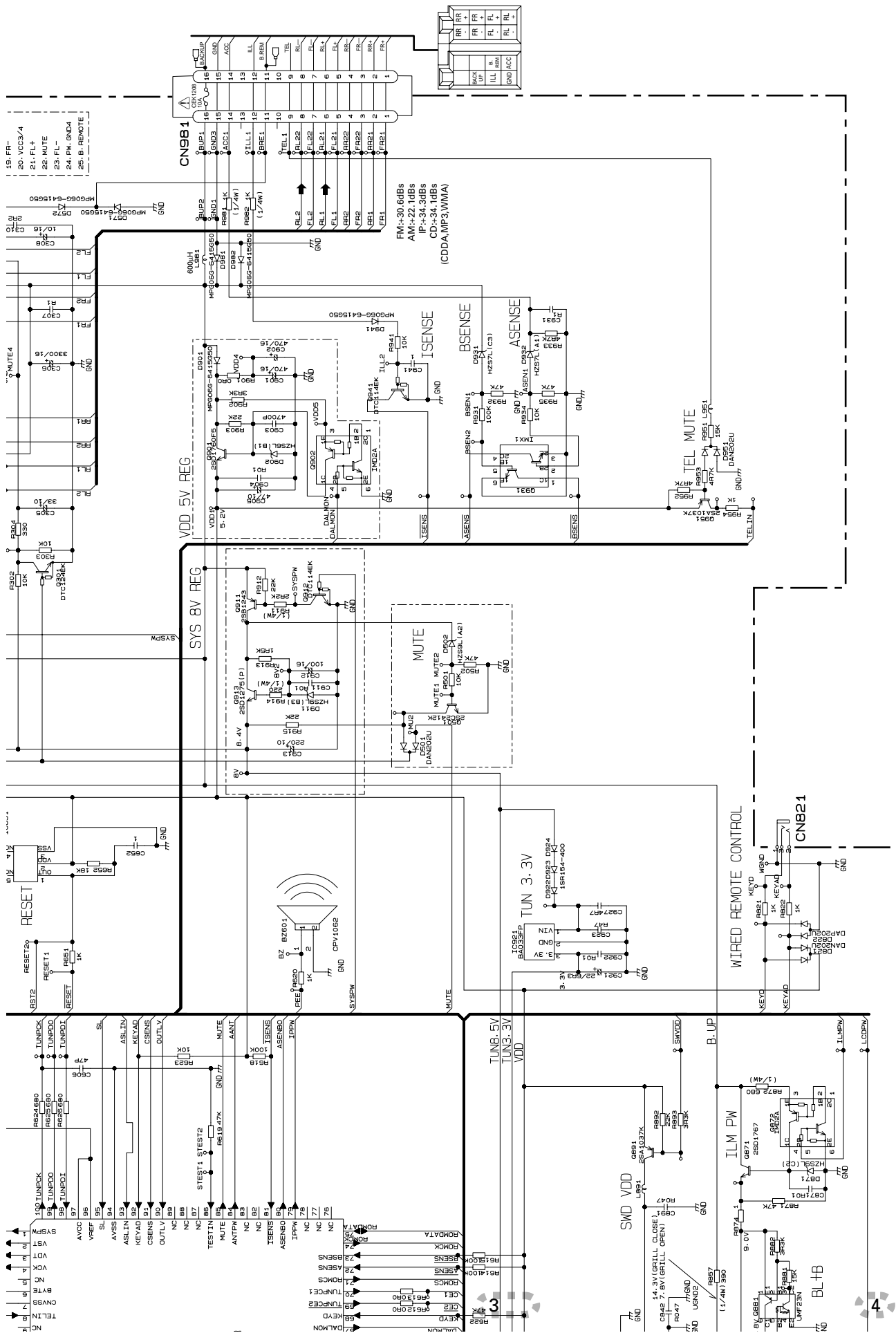
NOTE :
 - [Symbol] indicates a resistor.
 - [Symbol] indicates a capacitor.

No differentiation is made between chip resistors and discrete resistors.
 No differentiation is made between chip capacitors and discrete capacitors.

The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

A-a A-b

A-a B



A-a A-b

A-b

3.3 KEYBOARD UNIT

A

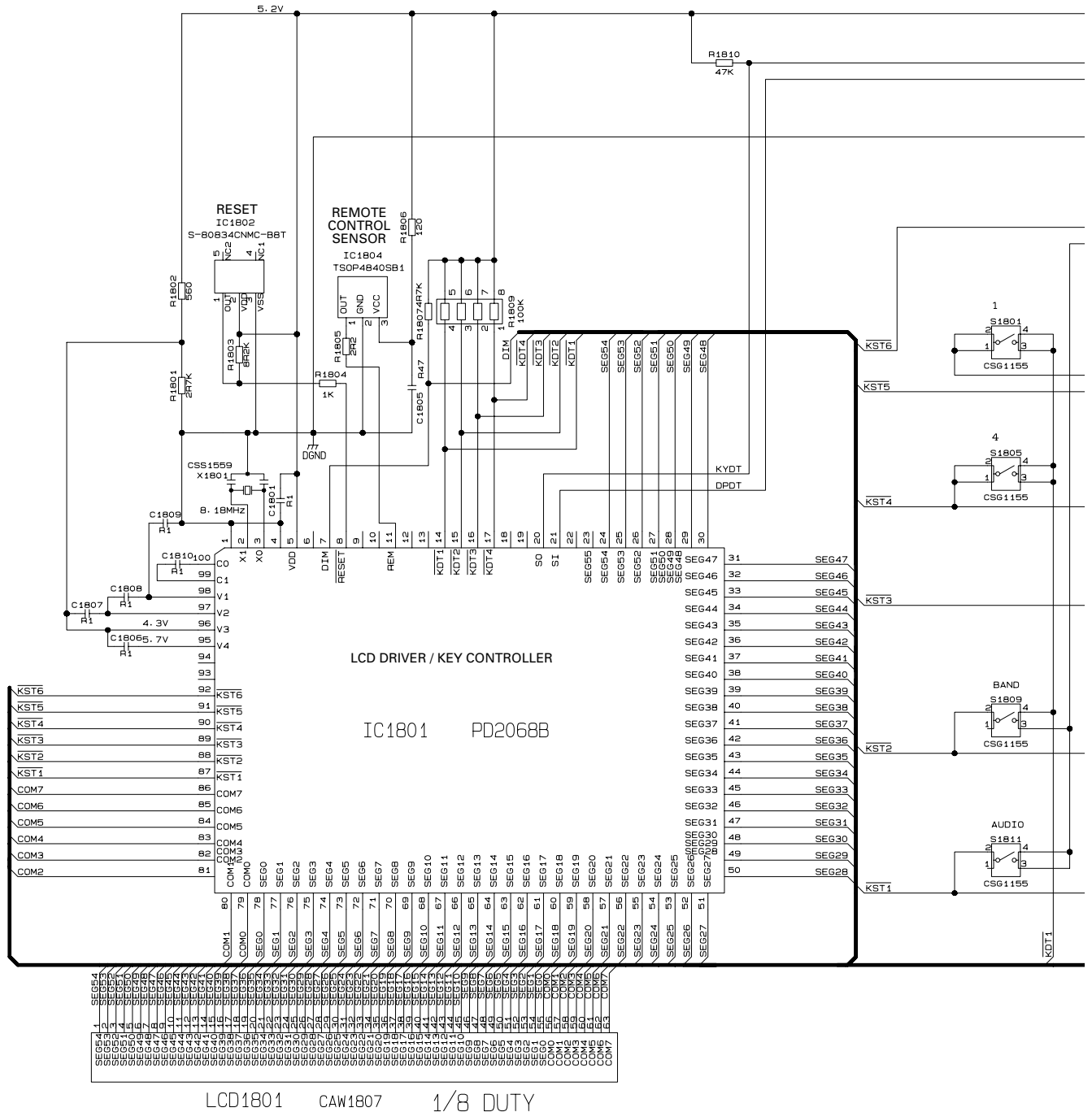
B

C

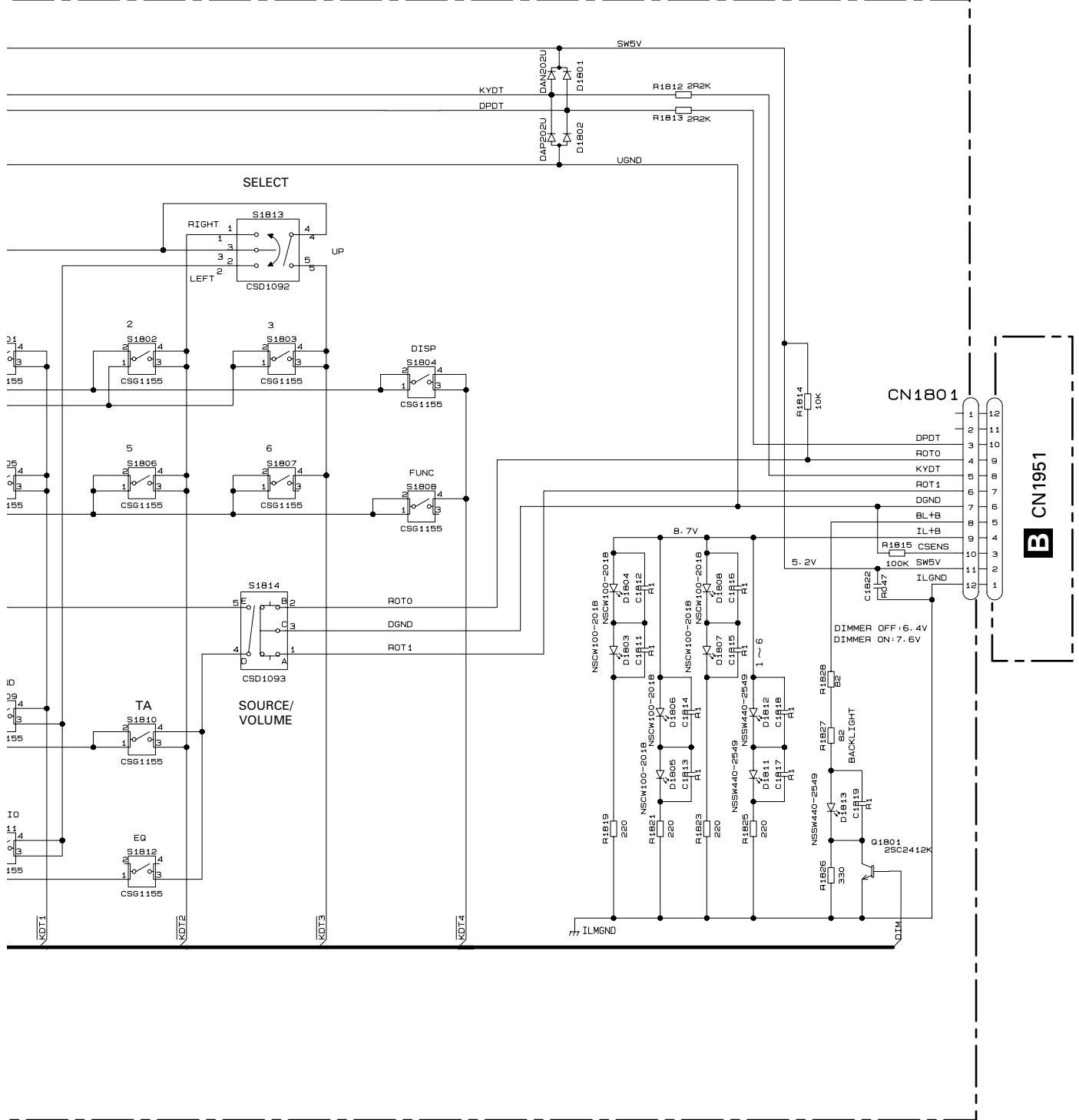
D

E

F



C KEYBOARD UNIT

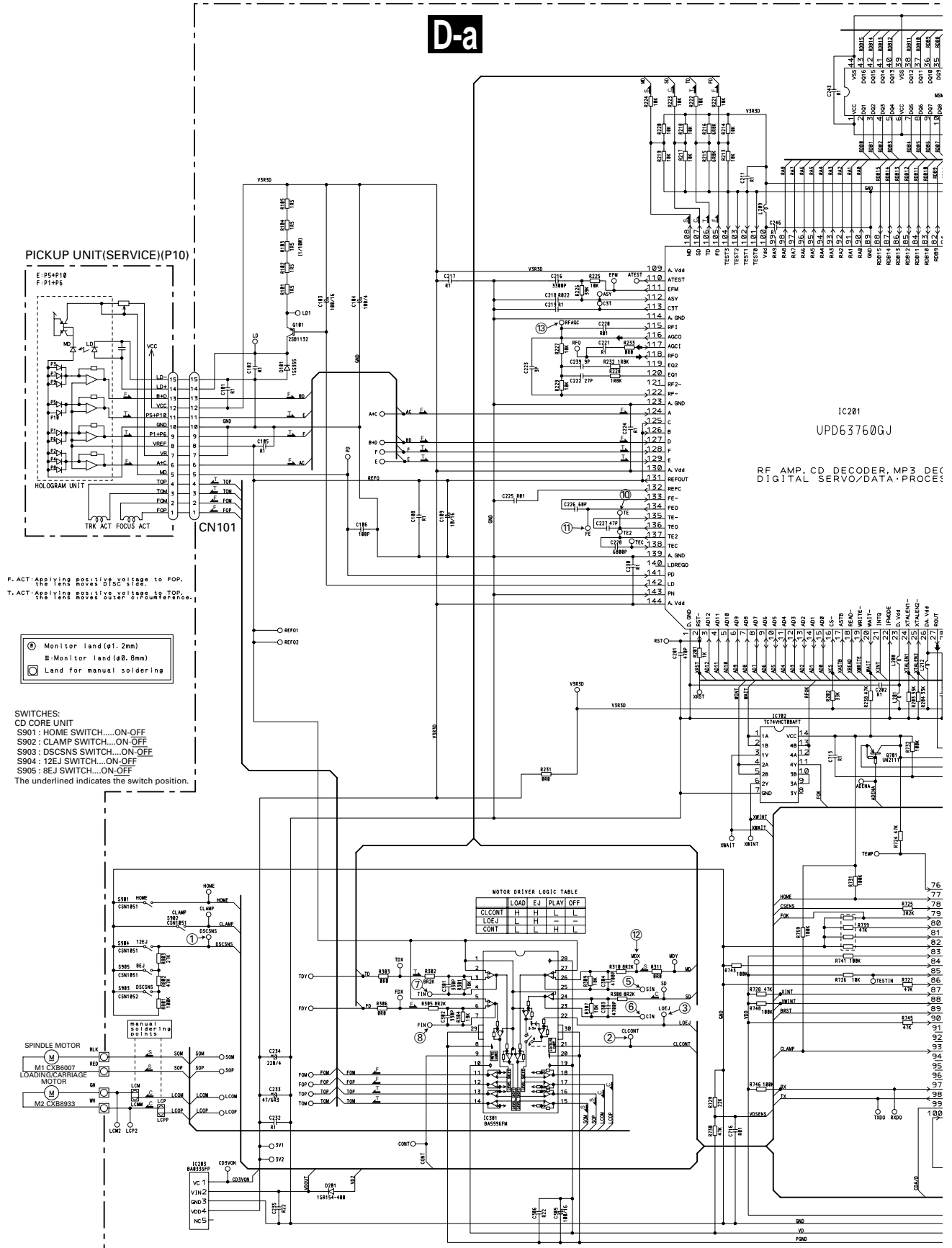


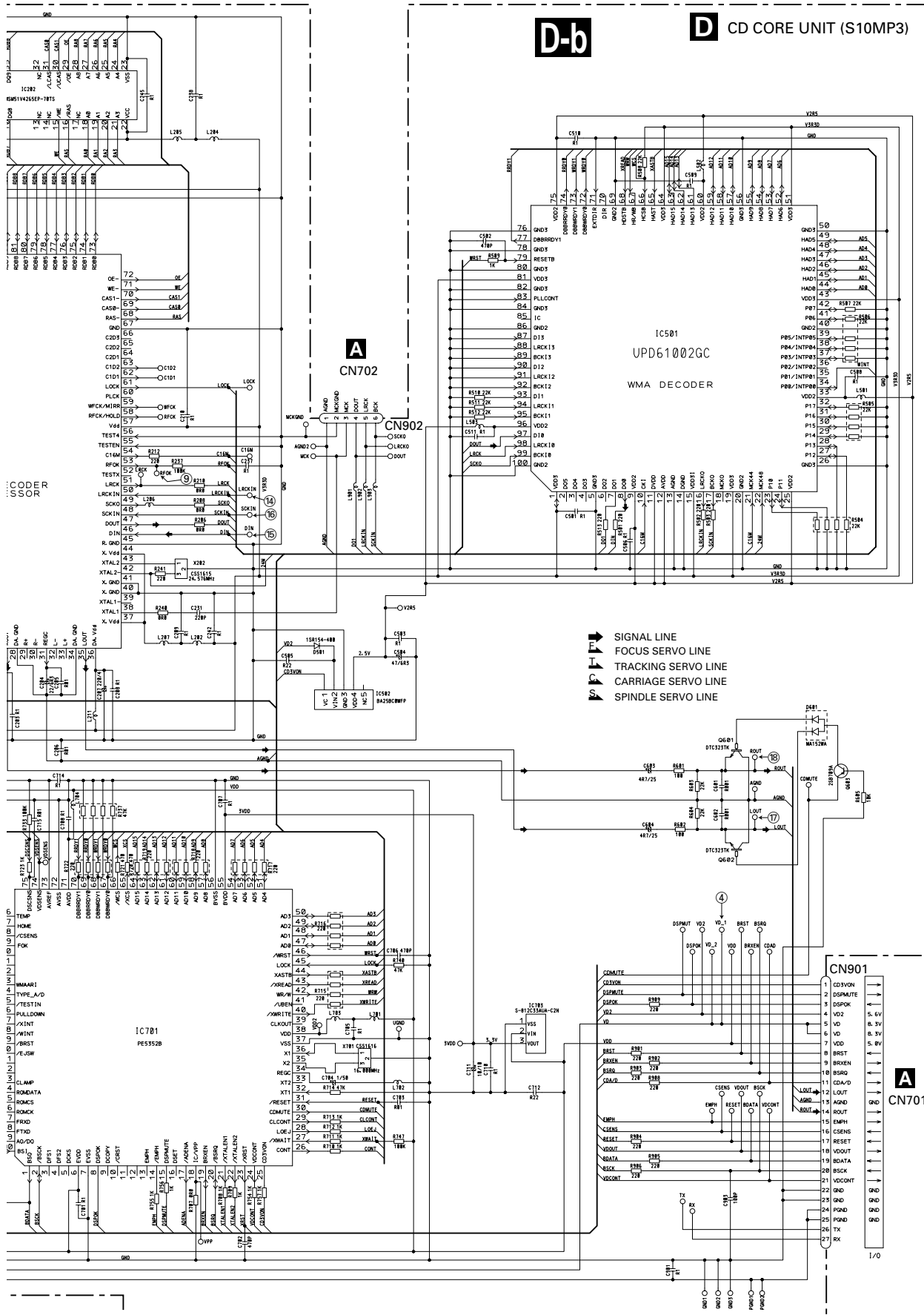
A
B
C
D
E
F



3.4 CD MECHANISM MODULE(GUIDE PAGE)

A
B
C
D
E
F





A B C D E F

A

B

C

D

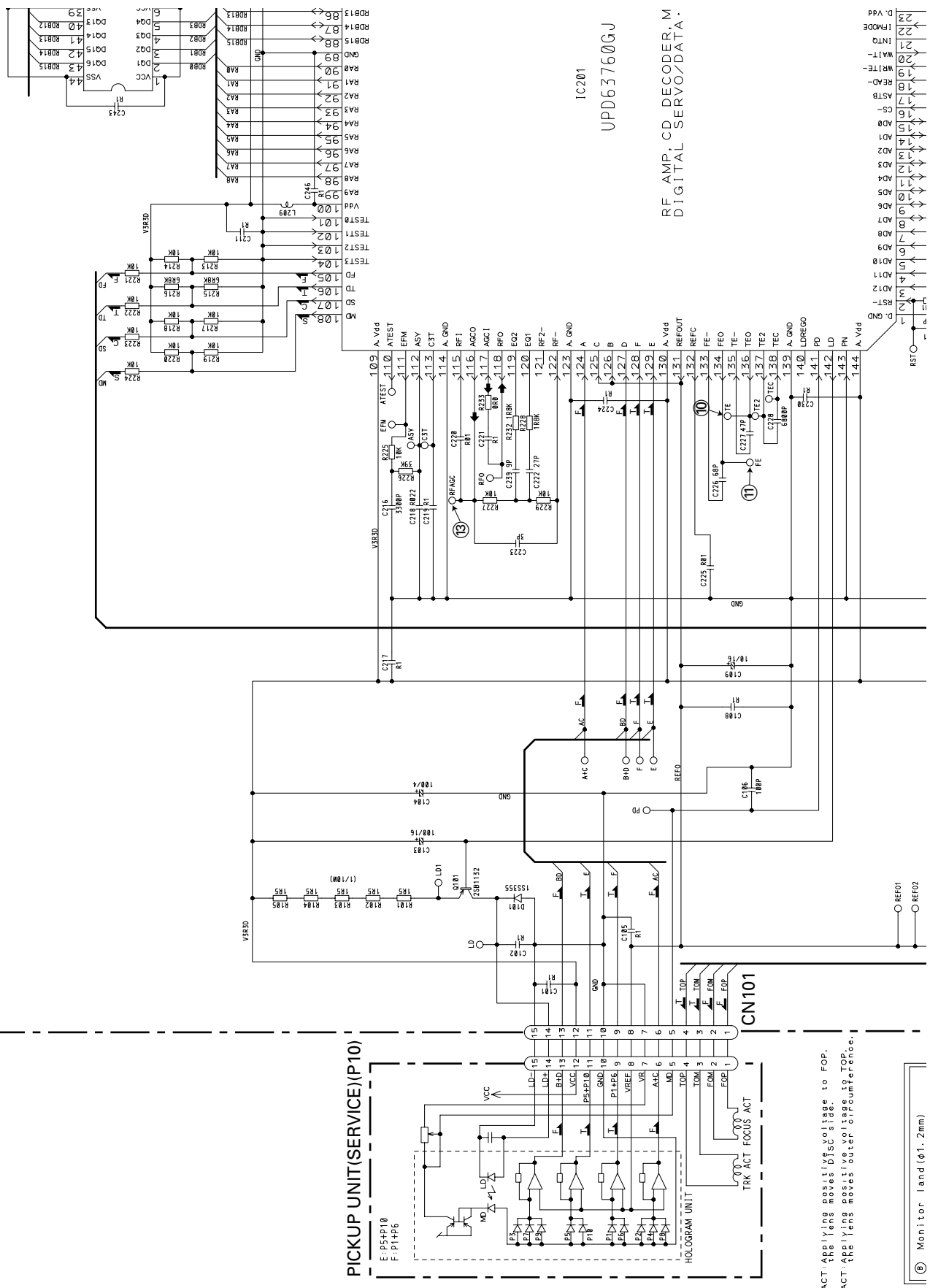
E

F

D-b

D-a D-b

D-a



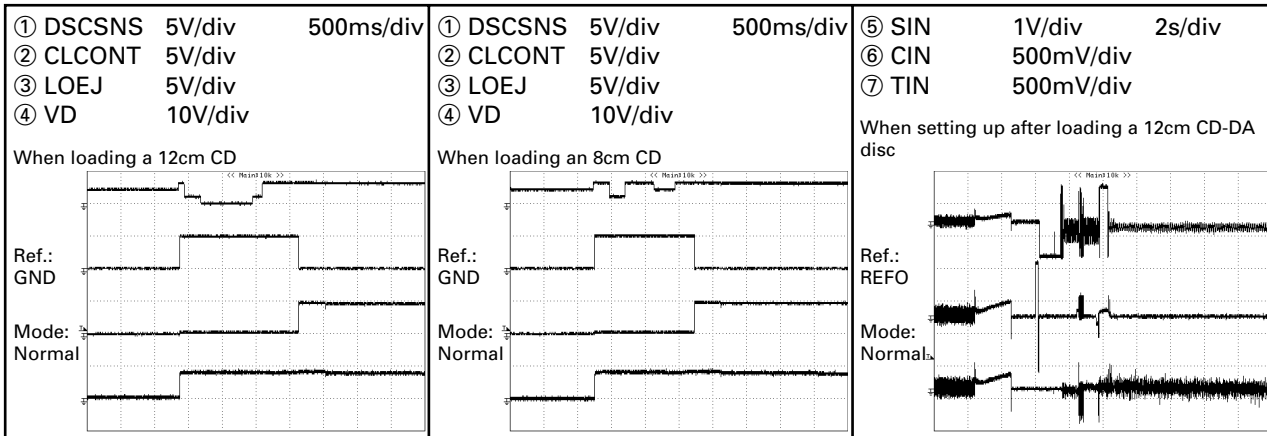
F. ACT Applying positive voltage to FOP.
 T. ACT Applying positive voltage to TOP.
 A. ACT Applying positive voltage to A. Vdd.

ⓑ Monitor land (φ1.2mm)

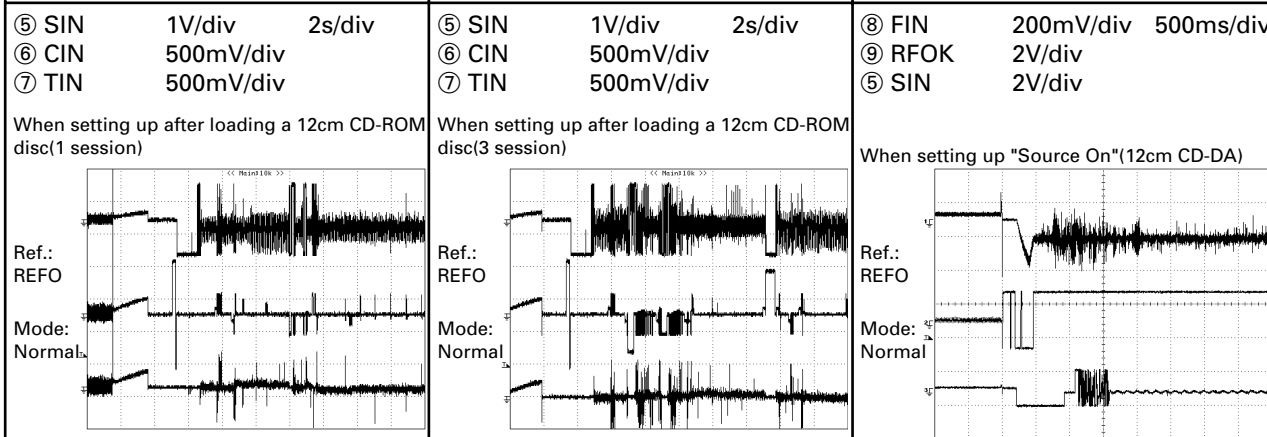
● Waveforms

Note : 1. The encircled numbers denote measuring points in the circuit diagram.
 2. Reference voltage REFO1(1.65V)

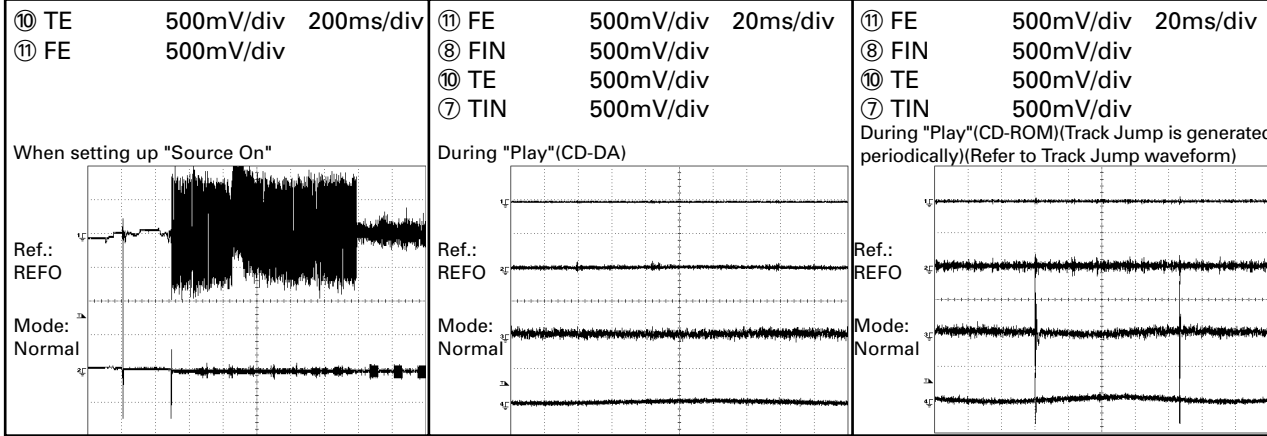
A



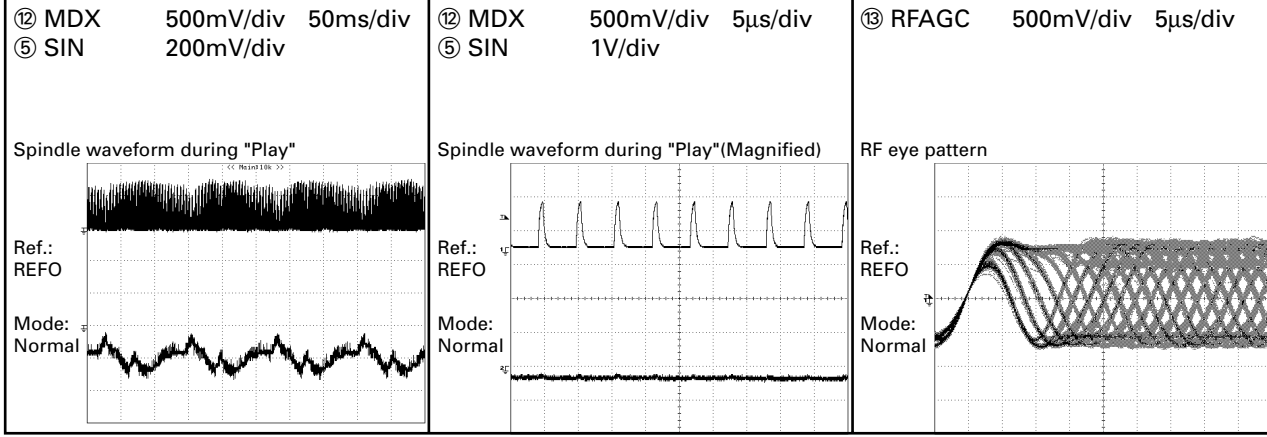
B



C

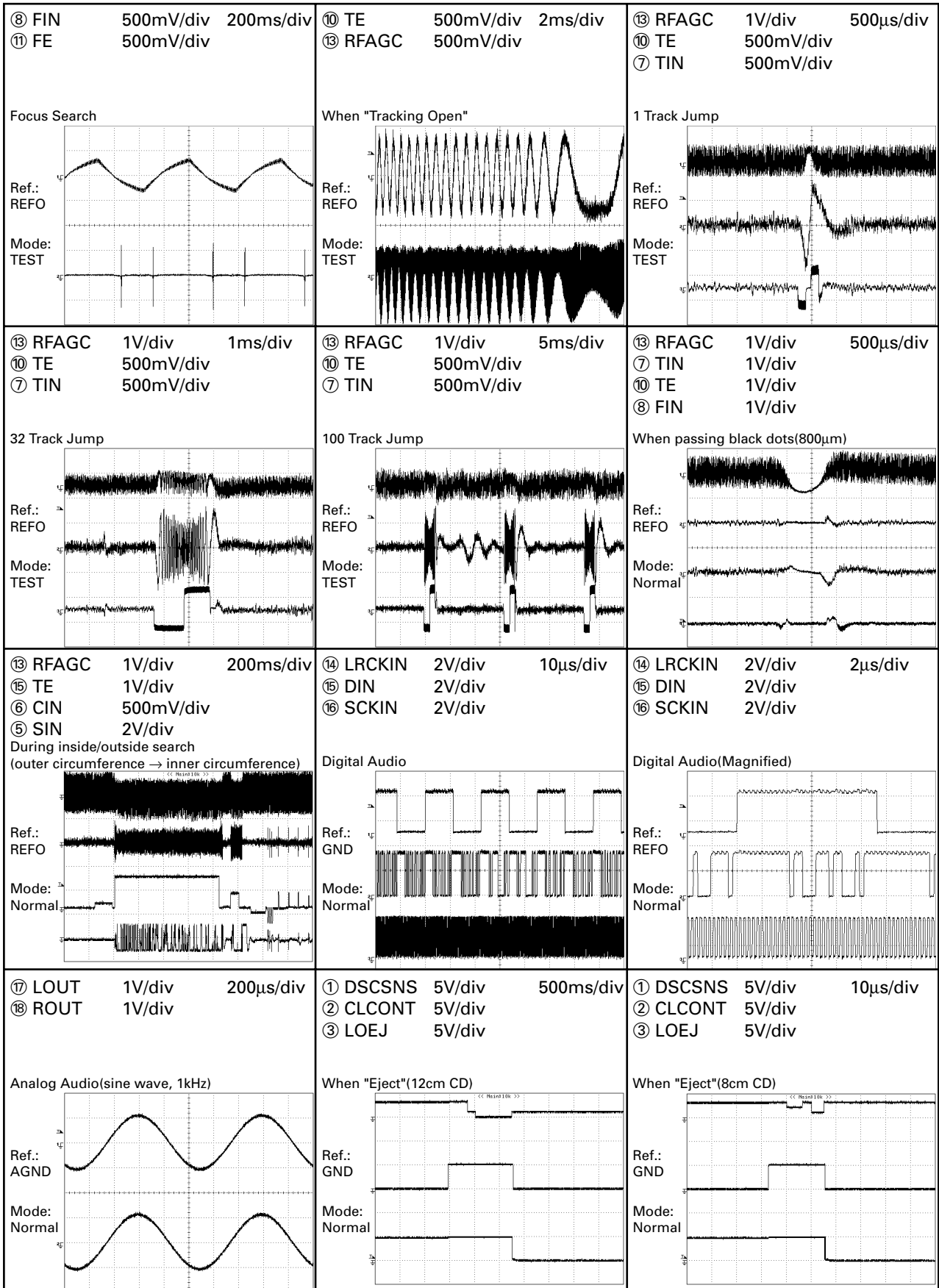


D



E

F



A

B

C

D

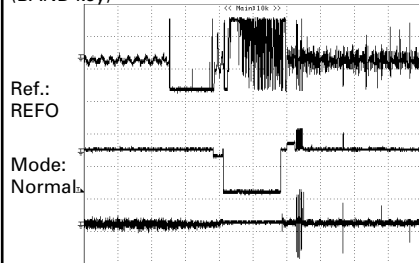
E

F

A

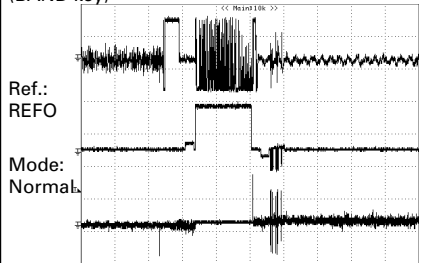
⑤ SIN 1V/div 500ms/div
 ⑥ CIN 500mV/div
 ⑦ TIN 500mV/div

When switching to CD-ROM from CD-DA
 (BAND key)



⑤ SIN 1V/div 500ms/div
 ⑥ CIN 500mV/div
 ⑦ TIN 500mV/div

When switching to CD-DA from CD-ROM
 (BAND key)



B

C

D

E

F

A

B

C

D

E

F

7.1.2 CONNECTOR FUNCTION DESCRIPTION

