

**BLOCK DIAGRAM** <http://receiverfaq.ru/>

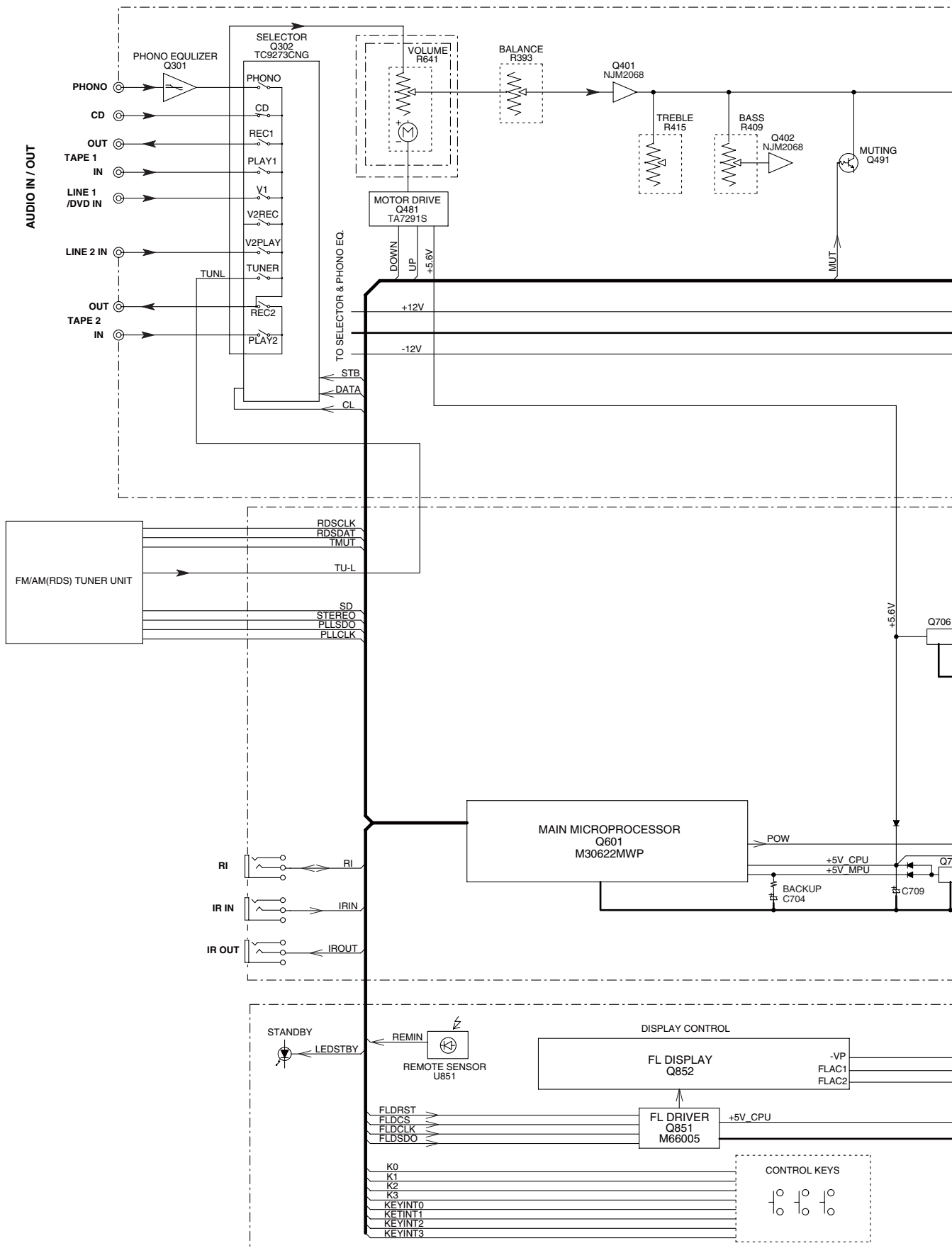
1

2

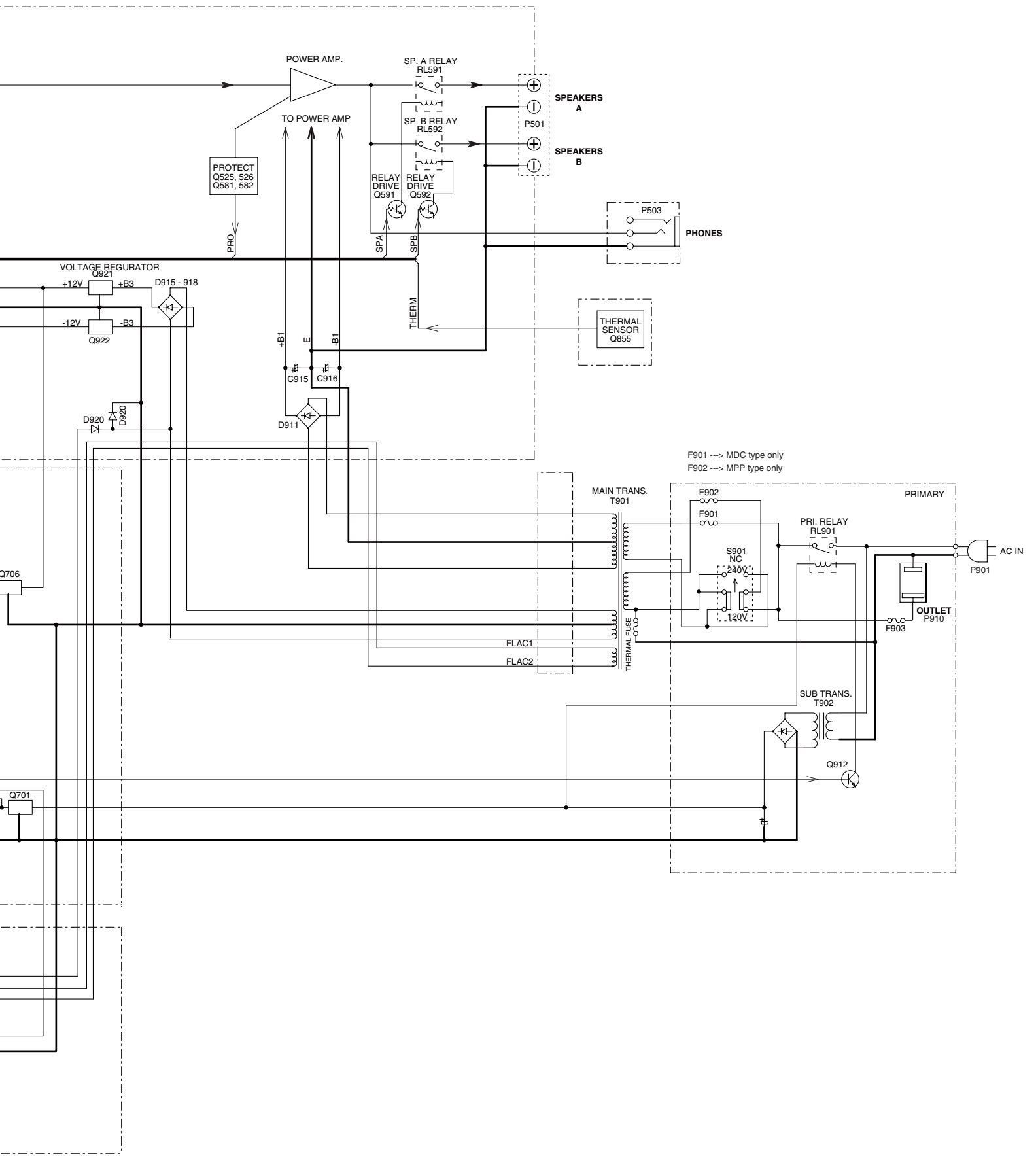
3

4

5

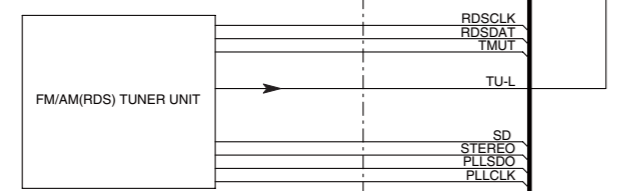
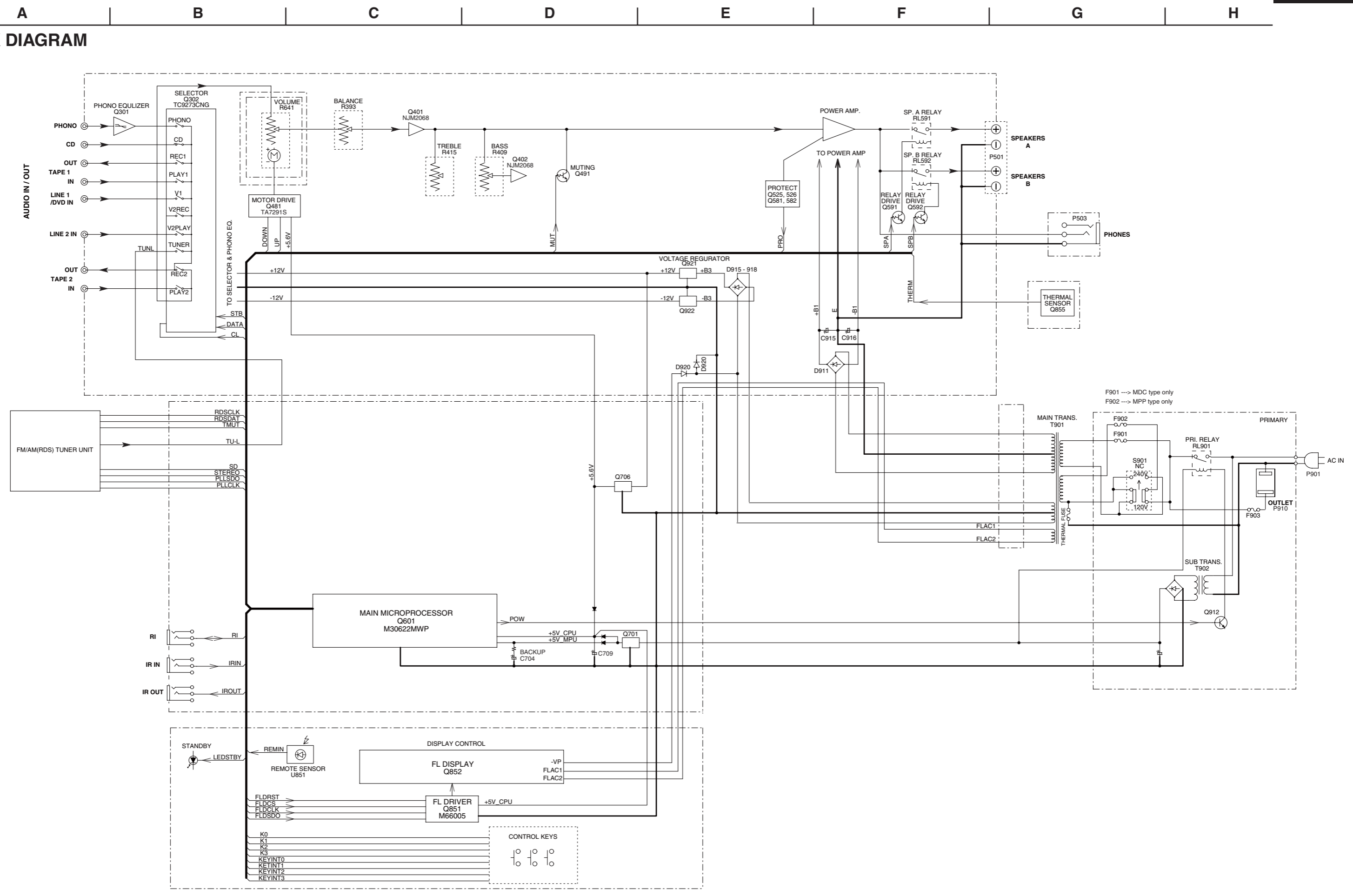


E F G H



# BLOCK DIAGRAM

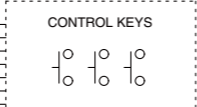
1  
2  
3  
4  
5



MAIN MICROPROCESSOR  
Q601  
M30622MWP

DISPLAY CONTROL  
FL DISPLAY  
Q852

FL DRIVER  
Q851  
M66005



F901 ---> MDC type only  
F902 ---> MPP type only

AC IN  
P901

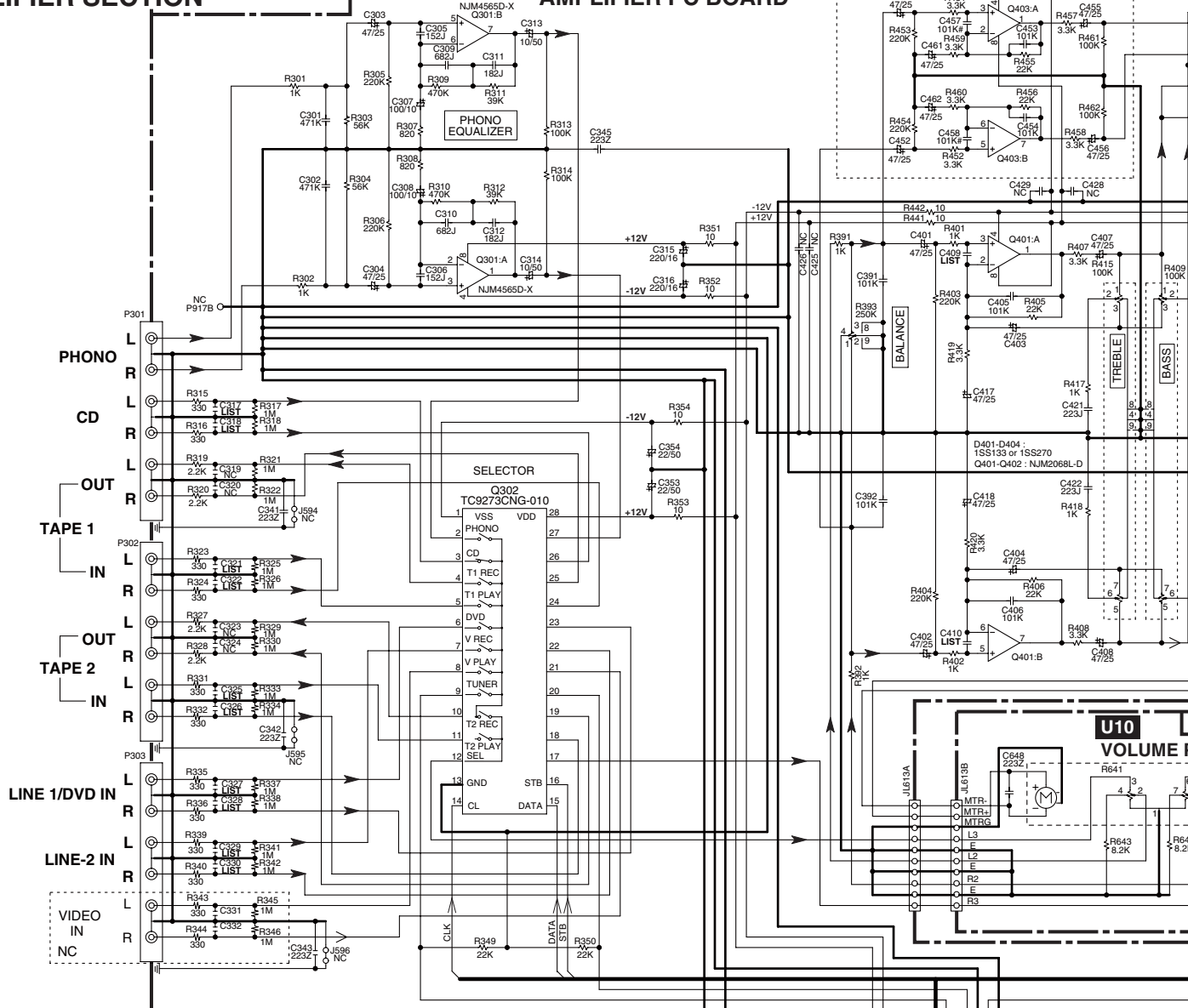
OUTLET  
P910

**SCHEMATIC DIAGRAMS-1**  
**AMPLIFIER SECTION**

NAAF-8886

U08

**AMPLIFIER PC BOARD**



Refer to following table about the parts displayed by mark "LIST".

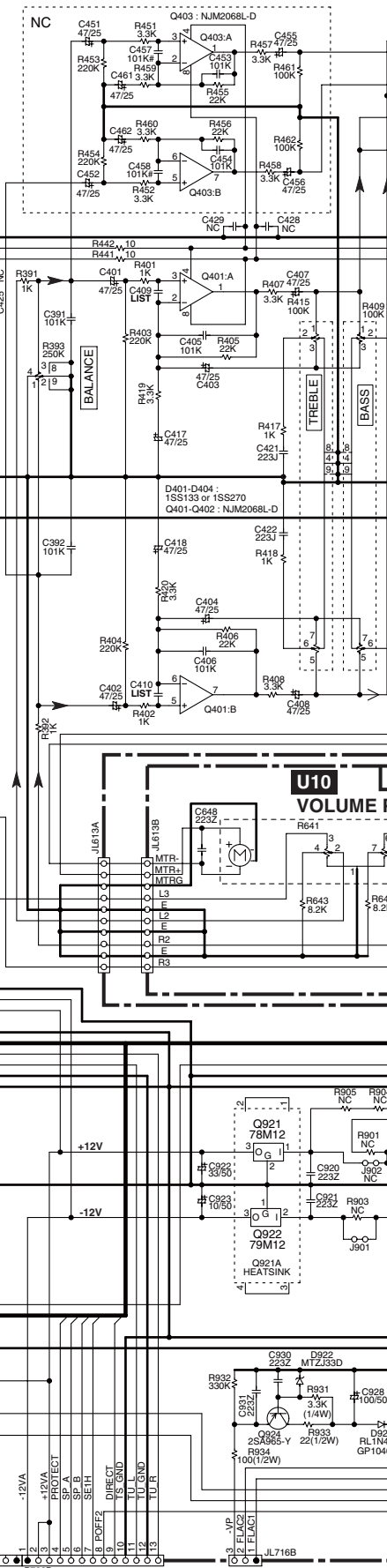
TYPE -->	MDC	MPP
C317, 318		
C321, 322,	None	101K
C325-330		
C409, 410		

**NOTE**

- THE COMPONENTS IDENTIFIED BY MARK  $\Delta$  ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER)  $\square$  IS DC VOLTAGE. (NO INPUT SIGNAL).
- ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS ( $\text{---}$ ) ARE IN  $\mu\text{F/WV}$ .
- ALL CAPACITORS ARE IN pF/50V UNLESS OTHERWISE NOTED.  
EX) 030- 3pF 330- 33pF 331- 330pF 333- 0.033 $\mu\text{F}$
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.  
EX)  $\square$  PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

**<Note>**

NC = No mount of parts.  
SD-Z : XY  
Location of connected terminal in schematic diagrams.  
SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.



U10

**VOLUME P**



# SCHEMATIC DIAGRAMS-1 AMPLIFIER SECTION

NAAF-8886

U08  
AMPLIFIER PC BOARD

Q403 : NJM2068L-D

POWER AMP. L ch

POWER AMP. R ch

SPEAKERS

1

2

3

4

5

PHONO  
L  
R

CD  
L  
R

OUT  
L  
R

TAPE 1  
IN  
L  
R

OUT  
L  
R

TAPE 2  
IN  
L  
R

OUT  
L  
R

LINE 1/DVD IN  
L  
R

LINE-2 IN  
L  
R

VIDEO IN  
L  
R  
NC

SELECTOR  
Q302  
TC9273CNG-010

1 VSS VDD  
2 PHONO 27  
3 CD 26  
4 T1 REC 25  
5 T1 PLAY 24  
6 DVD 23  
7 V REC 22  
8 V PLAY 21  
9 TUNER 20  
10 T2 REC 19  
11 T2 PLAY 18  
12 SEL 17  
13 GND STB 16  
14 CL DATA 15

U10  
NAAF-8888  
VOLUME PC BOARD

VOLUME  
P641  
WS-CLAMP

P642  
WS-CLAMP

NAPS-8889

8A/125V

NAPS-8887

NAETC-8882  
U07  
HEADPHONE JACK  
PC BOARD

PHONES

U09  
TRANS. SEC.  
TERMINAL PC BOARD

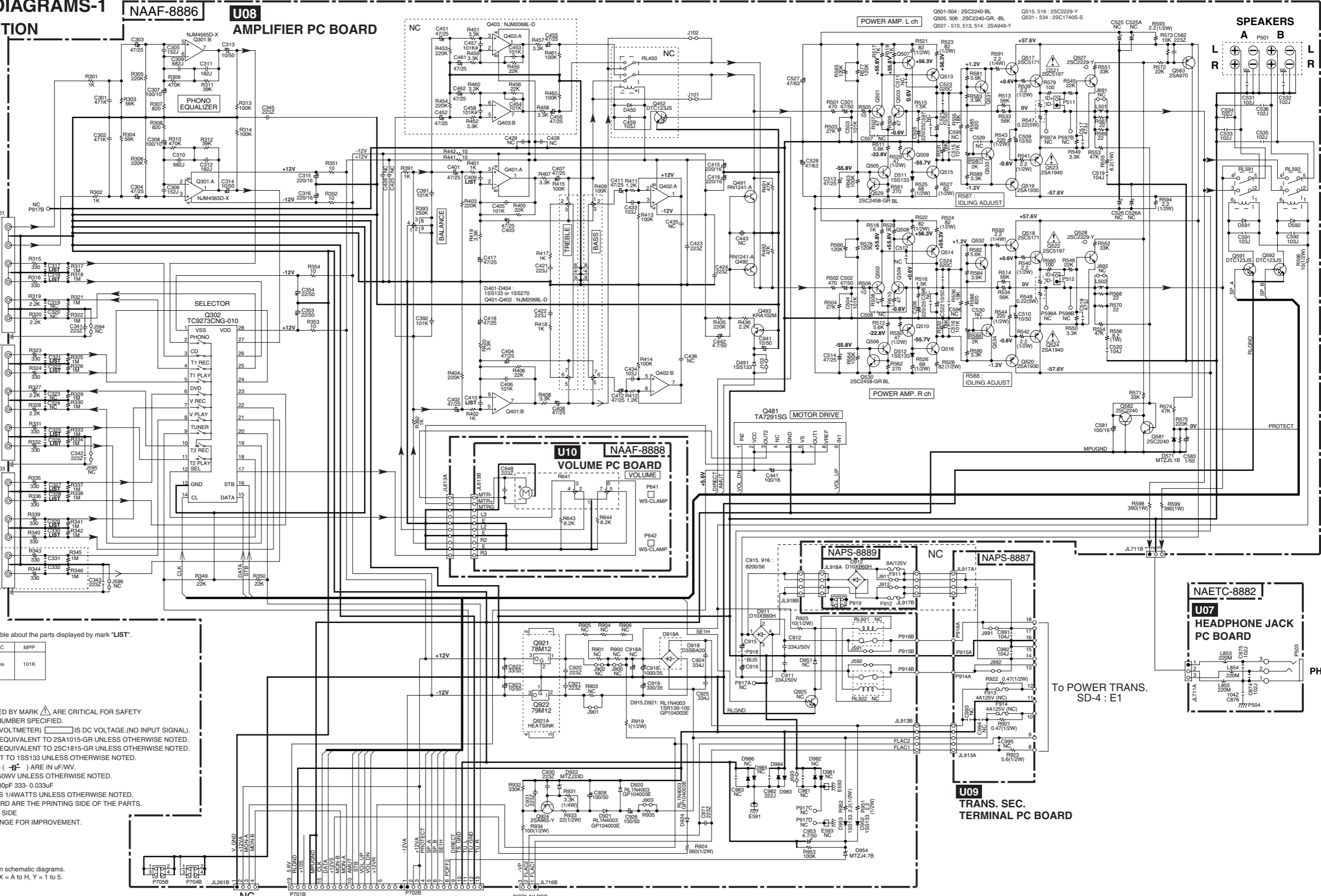
Refer to following table about the parts displayed by mark "LIST".

TYPE	MDC	MPP
C317, 318	None	101K
C321, 322		
C325-330		
C409, 410		

**NOTE**

- THE COMPONENTS IDENTIFIED BY MARK  $\Delta$  ARE CRITICAL FOR SAFETY REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER)  $\square$  IS DC VOLTAGE (NO INPUT SIGNAL).
- ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (  $\square$  ) ARE IN  $\mu$ FVV.
- ALL CAPACITORS ARE IN pF/50VWV UNLESS OTHERWISE NOTED.  
EX) 030-3pF 330-33pF 331-330pF 333-0.033uF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.  
EX)  $\square$  PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

<Note>  
NC = No mount of parts.  
SD-Z : XY  
Location of connected terminal in schematic diagrams.  
SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

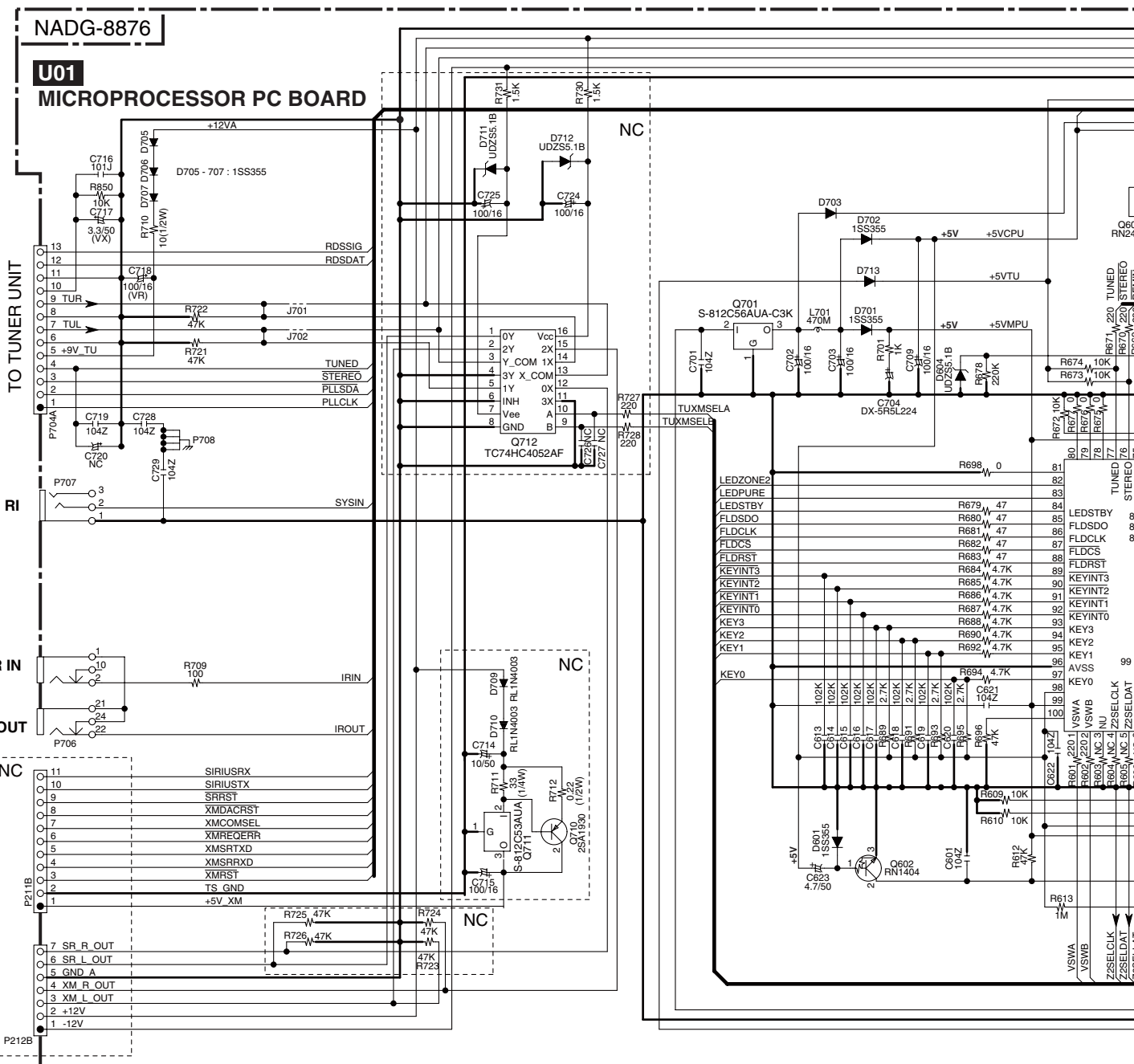


MICROPROCESSOR PCB  
To NADIS-8876  
SD-2 : G3

DISPLAY PCB  
To NADIS-8887  
SD-3 : C2

To POWER TRANS.  
SD-4 : E1

**SCHEMATIC DIAGRAMS-2**  
**MICROPROCESSOR SECTION**



**NOTE**

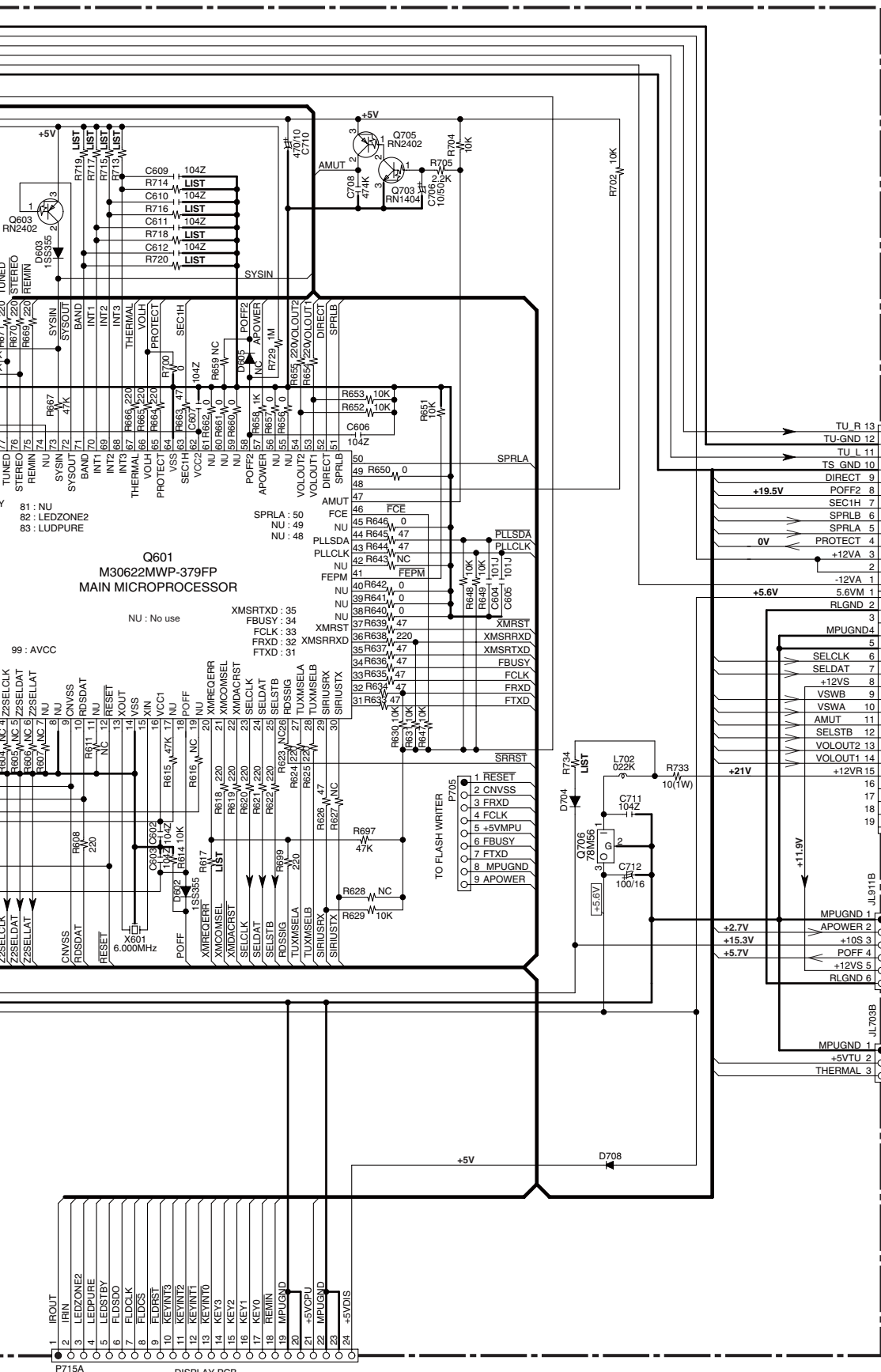
- THE COMPONENTS IDENTIFIED BY MARK  $\Delta$  ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER)  $\square$  IS DC VOLTAGE. (NO INPUT SIGNAL).
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- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (  $\text{---}$  ) ARE IN  $\mu$ F/WV.
- ALL CAPACITORS ARE IN pF/50V UNLESS OTHERWISE NOTED.
- EX) 030-3pF 330-33pF 331-330pF 333-0.033 $\mu$ F
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
- EX)  $\square$  PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

**<Note>**  
 NC = No mount of parts.  
 SD-Z : XY  
 Location of connected terminal in schematic diagrams.  
 SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

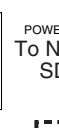
Refer to following table about the parts displayed by mark "LIST".

TYPE -->	MDC	MPP
R608	None	220
R617	None	None
R699	None	220
R713	None	None
R714	0	0
R715	10k	10k
R716	None	None
R717	10k	10k
R718	None	None
R719	33k	56k
R720	4.7k	33k
R734	560	270

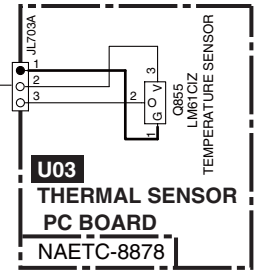
1  
2  
3  
4  
5



AMPLIFIER PCB  
To NAAF-8886  
SD-1 : C5



POWER SUPPLY PCB  
To NAPS-8880  
SD-4 : D3

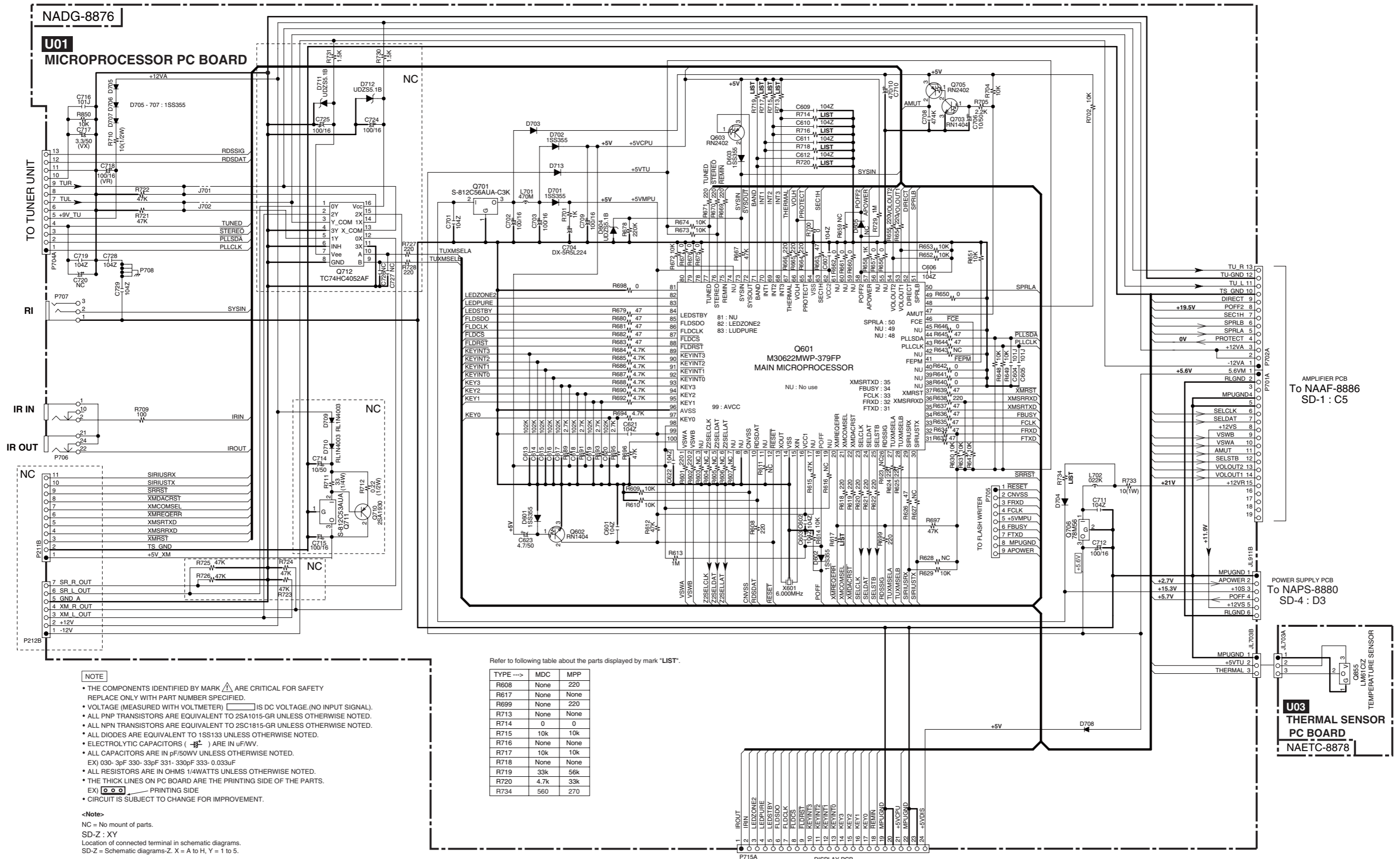


P715A  
DISPLAY PCB  
To NADIS-8877  
SD-3 : D2



# SCHEMATIC DIAGRAMS-2 MICROPROCESSOR SECTION

1  
2  
3  
4  
5



**NOTE**

- THE COMPONENTS IDENTIFIED BY MARK  $\Delta$  ARE CRITICAL FOR SAFETY REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER)  $\square$  IS DC VOLTAGE. (NO INPUT SIGNAL).
- ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1S133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (  $\text{---} \parallel \text{---}$  ) ARE IN uF/WV.
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.
- EX) 030- 3pF 330- 33pF 331- 330pF 333- 0.033uF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
- EX)  $\square$  PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

**<Note>**  
 NC = No mount of parts.  
 SD-Z : XY  
 Location of connected terminal in schematic diagrams.  
 SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

Refer to following table about the parts displayed by mark "LIST".

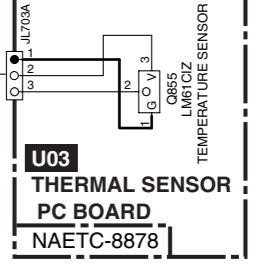
TYPE --->	MDC	MPP
R608	None	220
R617	None	None
R699	None	220
R713	None	None
R714	0	0
R715	10k	10k
R716	None	None
R717	10k	10k
R718	None	None
R719	33k	56k
R720	4.7k	33k
R734	560	270

1 IR OUT  
 2 IR IN  
 3 LEDZONE2  
 4 LEDPURE  
 5 LEDSTBY  
 6 FLDCCLK  
 7 FLDCS  
 8 FLDRST  
 9 KEYINT3  
 10 KEYINT2  
 11 KEYINT1  
 12 KEYINT0  
 13 KEY3  
 14 KEY2  
 15 KEY1  
 16 REMIN  
 17 MPUGND  
 18 +5VCPU  
 19 +5V  
 20 +5VMPU  
 21 +5V  
 22 MPUGND  
 23 THERMAL  
 24 -5VDS

DISPLAY PCB  
 To NADIS-8877  
 SD-3 : D2

AMPLIFIER PCB  
 To NAAF-8886  
 SD-1 : C5

POWER SUPPLY PCB  
 To NAPS-8880  
 SD-4 : D3



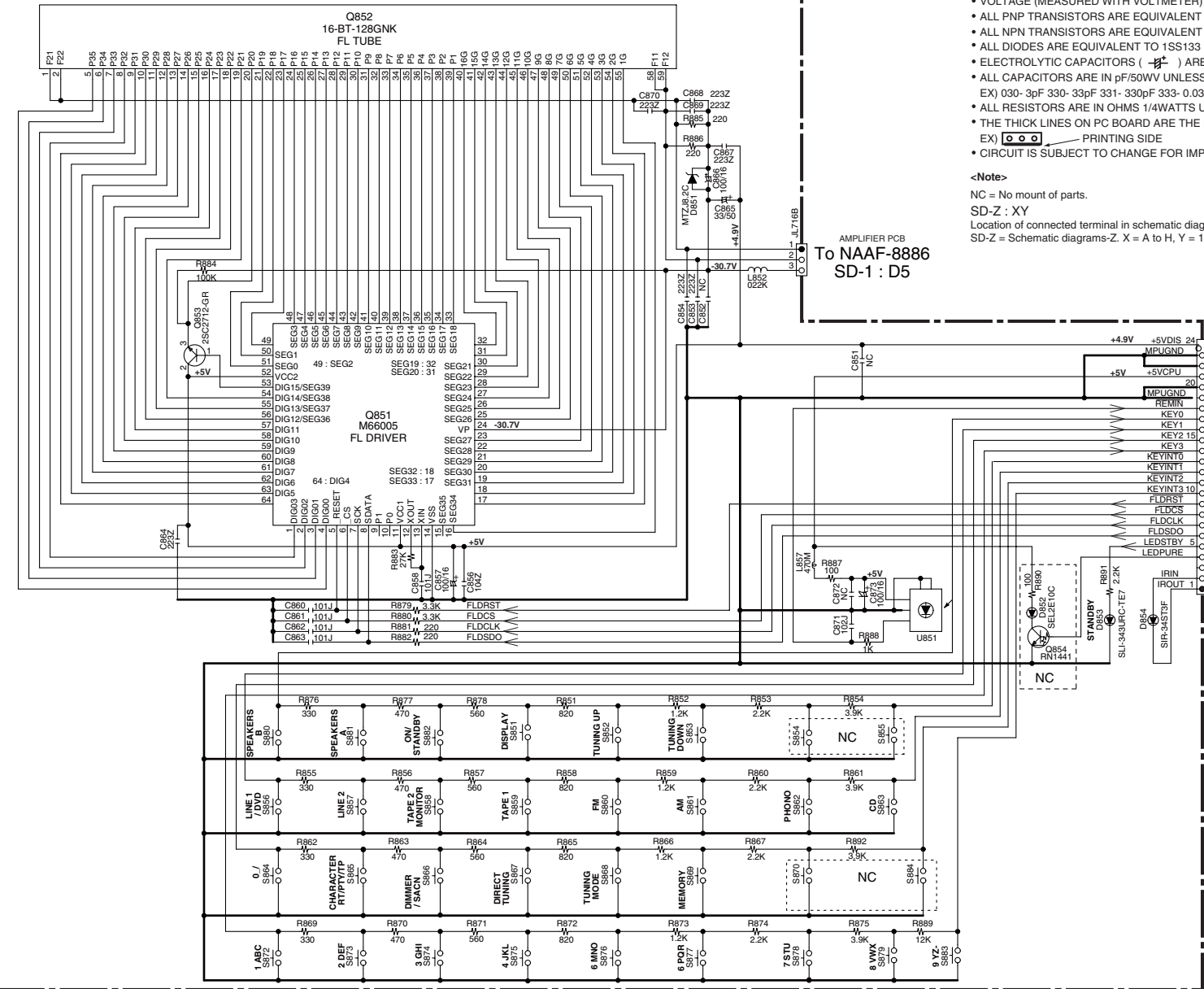
# SCHEMATIC DIAGRAMS-3

## DISPLAY SECTION

NADIS-8877

U02

DISPLAY PC BOARD



**NOTE**

- THE COMPONENTS IDENTIFIED BY MARK  $\Delta$  ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
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- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (  $\text{---}$  ) ARE IN  $\mu\text{F/WV}$ .
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.  
EX) 030-3pF 330-33pF 331-330pF 333-0.03 $\mu\text{F}$
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- ALL THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
- EX)  $\square$  PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

**<Note>**

NC = No mount of parts.  
SD-Z : XY  
Location of connected terminal in schematic diagrams.  
SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

AMPLIFIER PCB  
To NAAF-8886  
SD-1 : D5

MICROPROCESSOR PCB  
To NADG-8876  
SD-2 : E5

1  
2  
3  
4

# SCHEMATIC DIAGRAMS-4

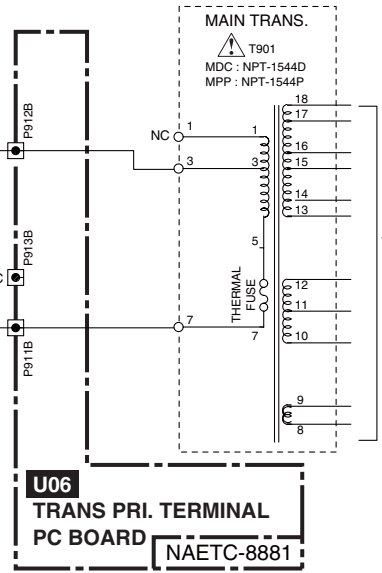
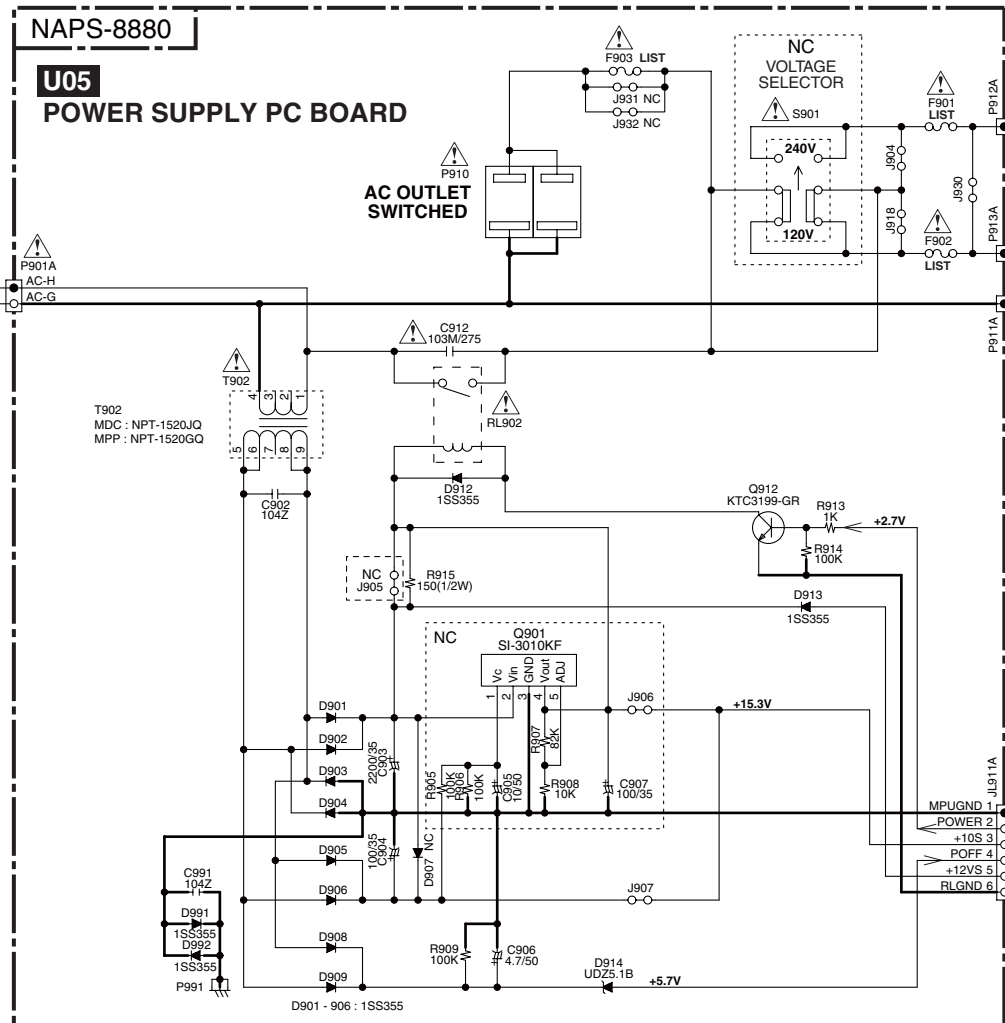
## POWER SUPPLY SECTION

1

2

3

4



Refer to following table about the parts displayed by mark "LIST".

TYPE -->	MDC	MPP
F901	5A125V	None
F902	None	T2.5AL250V
F903	5A125V	T2.5AL250V

MICROPROCESSOR PCB  
To NADG-8876  
SD-2 : G4

**NOTE**

- THE COMPONENTS IDENTIFIED BY MARK  $\triangle$  ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
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- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (  $\text{---} \text{---} \text{---}$  ) ARE IN  $\mu\text{F/WV}$ .
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.  
EX) 030- 3pF 330- 33pF 331- 330pF 333- 0.033 $\mu\text{F}$
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.  
EX)  $\square$  PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

**<Note>**

NC = No mount of parts.  
SD-Z : XY  
Location of connected terminal in schematic diagrams.  
SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

**CAUTION**  
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH FUSE OF SAME TYPE AND RATING INDICATED.

**ATTENTION**  
AFIN D'ASSURER UNE PROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE ET CALIBRATION COMME INDIQUE.

$\square$   
THIS SYMBOL LOCATED NEAR THE FUSE INDICATES THAT THE FUSE USED IS SLOW OPERATING TYPE FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,REPLACE WITH SAME TYPE FUSE. FOR FUSE RATING REFER TO THE MARKING ADJACENT TO THE SYMBOL.

$\square$   
CE SYMBOLE INDIQUE QUE LE FUSIBLE UTILISE EST E LENT.POUR UNE PROTECTION PERMANENTE,N'UTILISER QUE DES FUSIBLES DE MEME TYPE. CE DERNIER EST INDIQUE LA QU LE PRESENT SYMBOLE EST APPOSE.