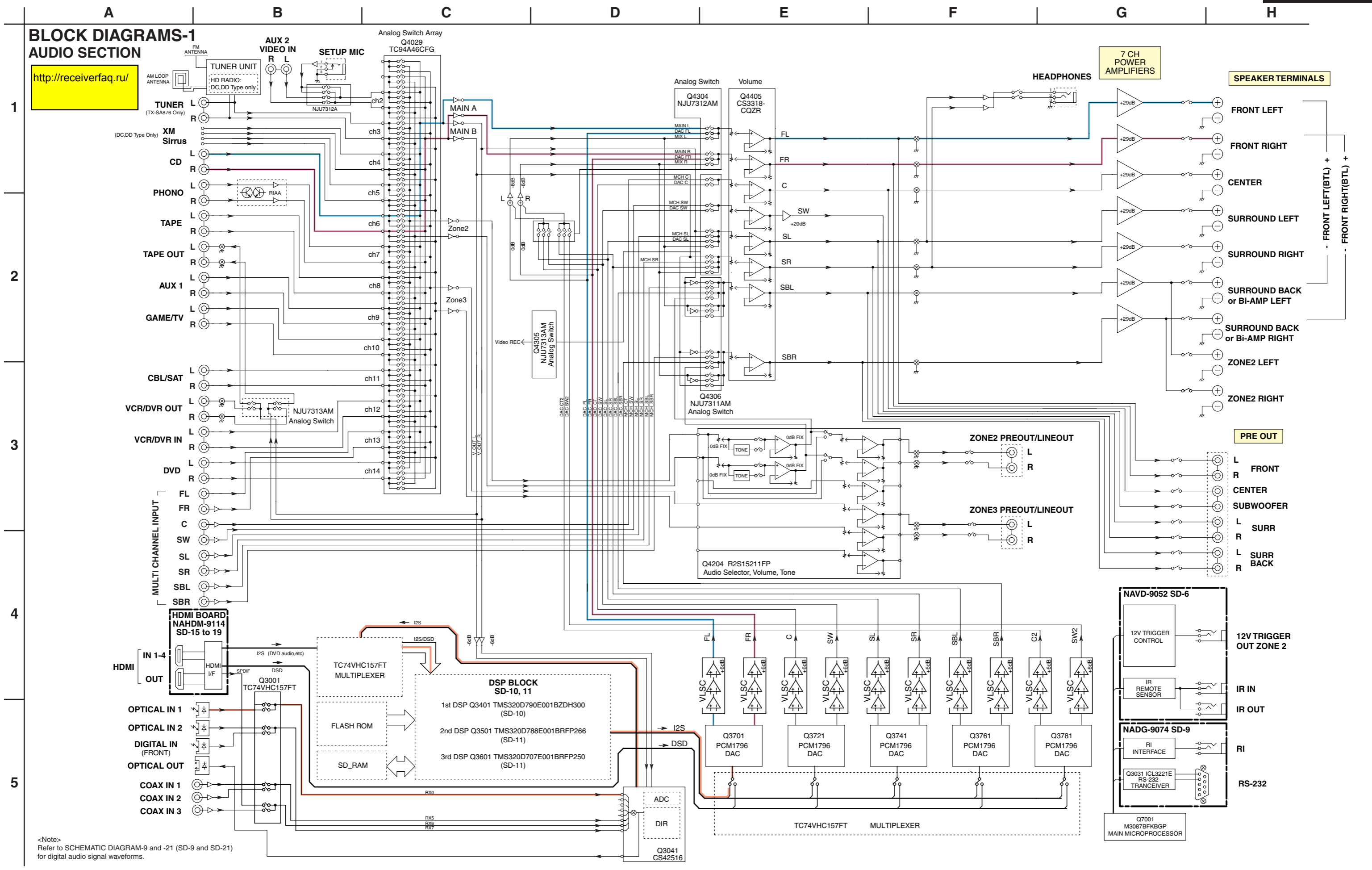


**BLOCK DIAGRAMS-1  
AUDIO SECTION**

<http://receiverfaq.ru/>



<Note>  
Refer to SCHEMATIC DIAGRAM-9 and -21 (SD-9 and SD-21)  
for digital audio signal waveforms.

**BLOCK DIAGRAMS-2  
VIDEO SECTION**

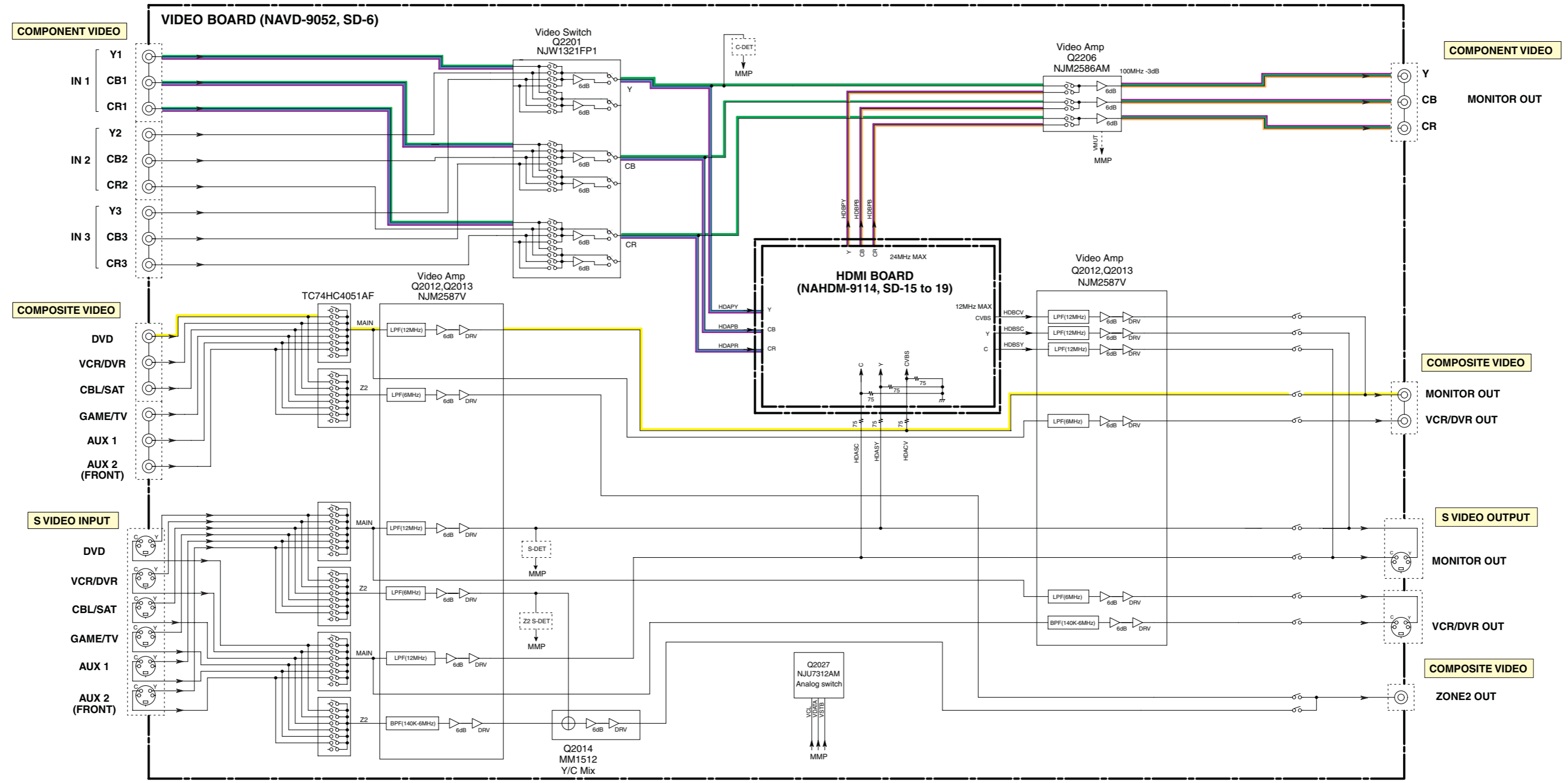
1

2

3

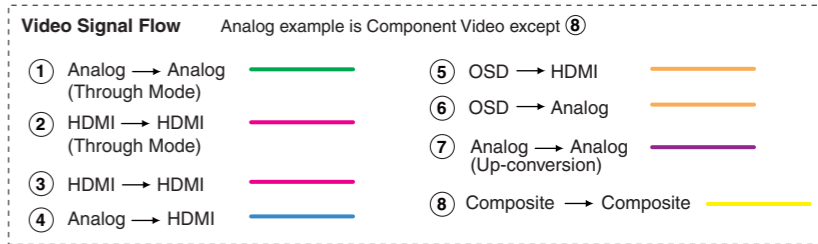
4

5



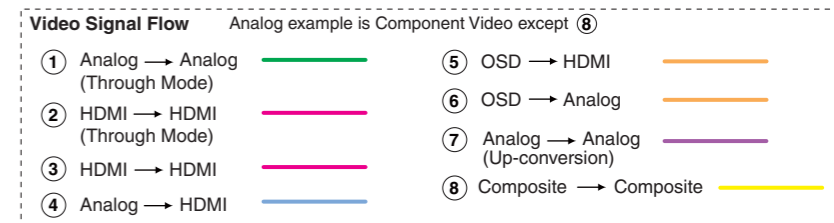
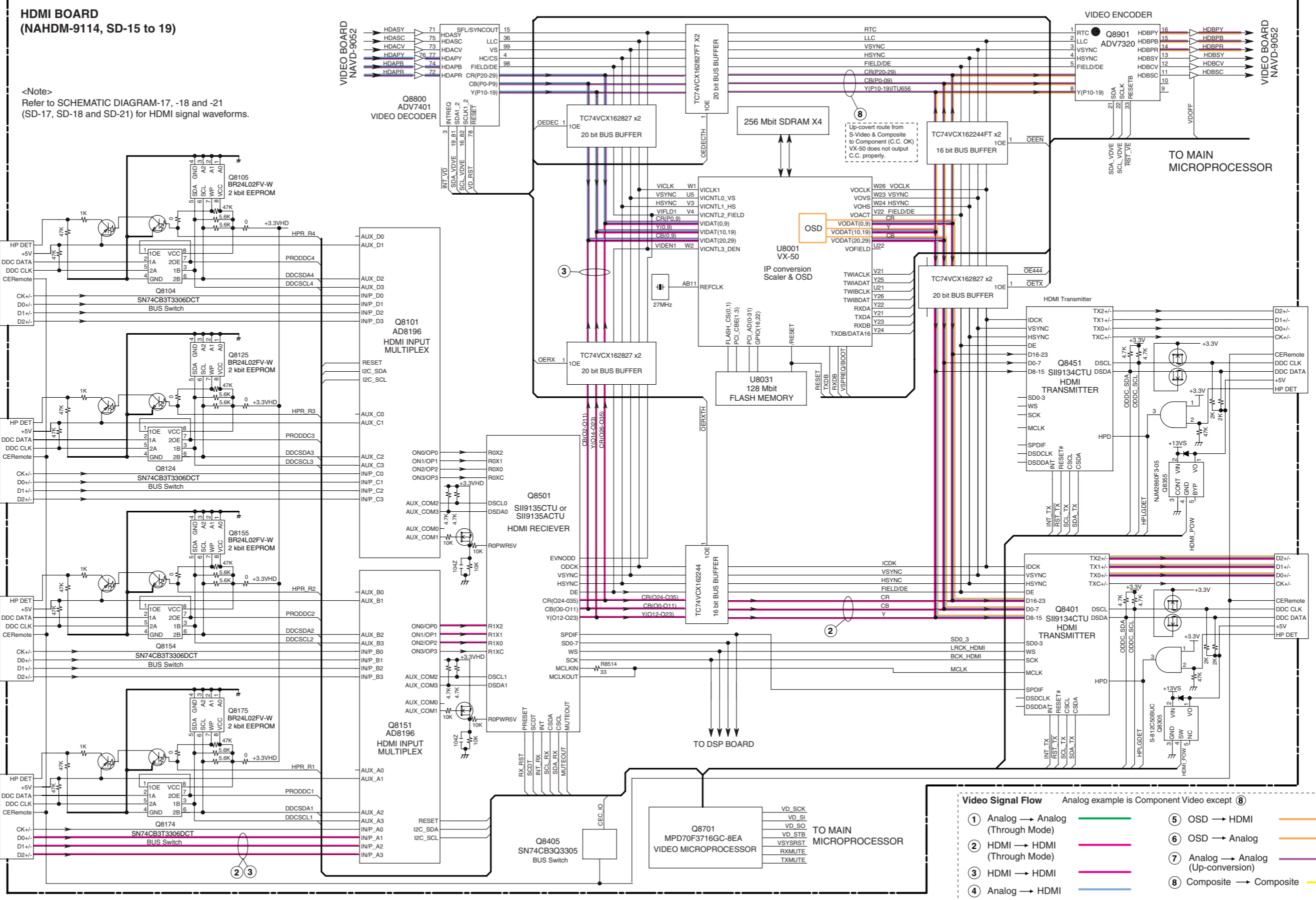
NOTE  
MMP is short for MAIN MICROPROCESSOR.

<Note>  
Refer to SCHEMATIC DIAGRAM-6, -17, -18 and -21 (SD-6, SD-17, SD-18 and SD-21)  
for video and HDMI signal waveforms.



**BLOCK DIAGRAMS-3**  
**HDMI SECTION**

1  
2  
3  
4  
5



SCHEMATIC DIAGRAMS-1 (SD-1)  
AUDIO SECTION-1

<Note>  
SD-x:XY is short for Schematic Diagram-x and  
each socket's location, X=A to H, Y=1 to 5.

1

2

3

4

5

A

B

C

D

E

F

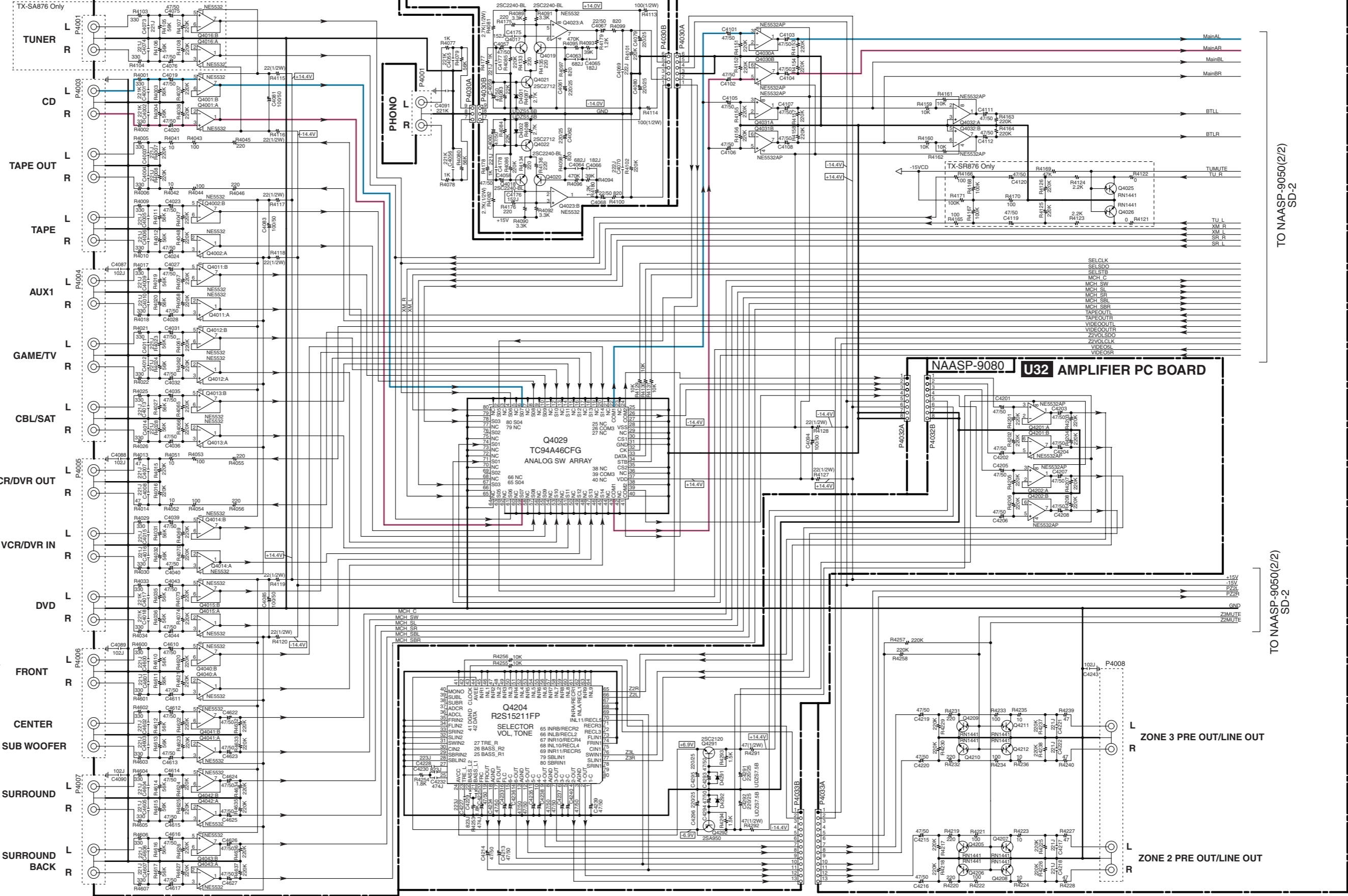
G

H

NAASP-9050(1/2) U06 AMPLIFIER PC BOARD

NAASP-9051 U07 PHONO PC BOARD

NAASP-9080 U32 AMPLIFIER PC BOARD



TO NAASP-9050(2/2)  
SD-2

TO NAASP-9050(2/2)  
SD-2

ZONE 3 PRE OUT/LINE OUT

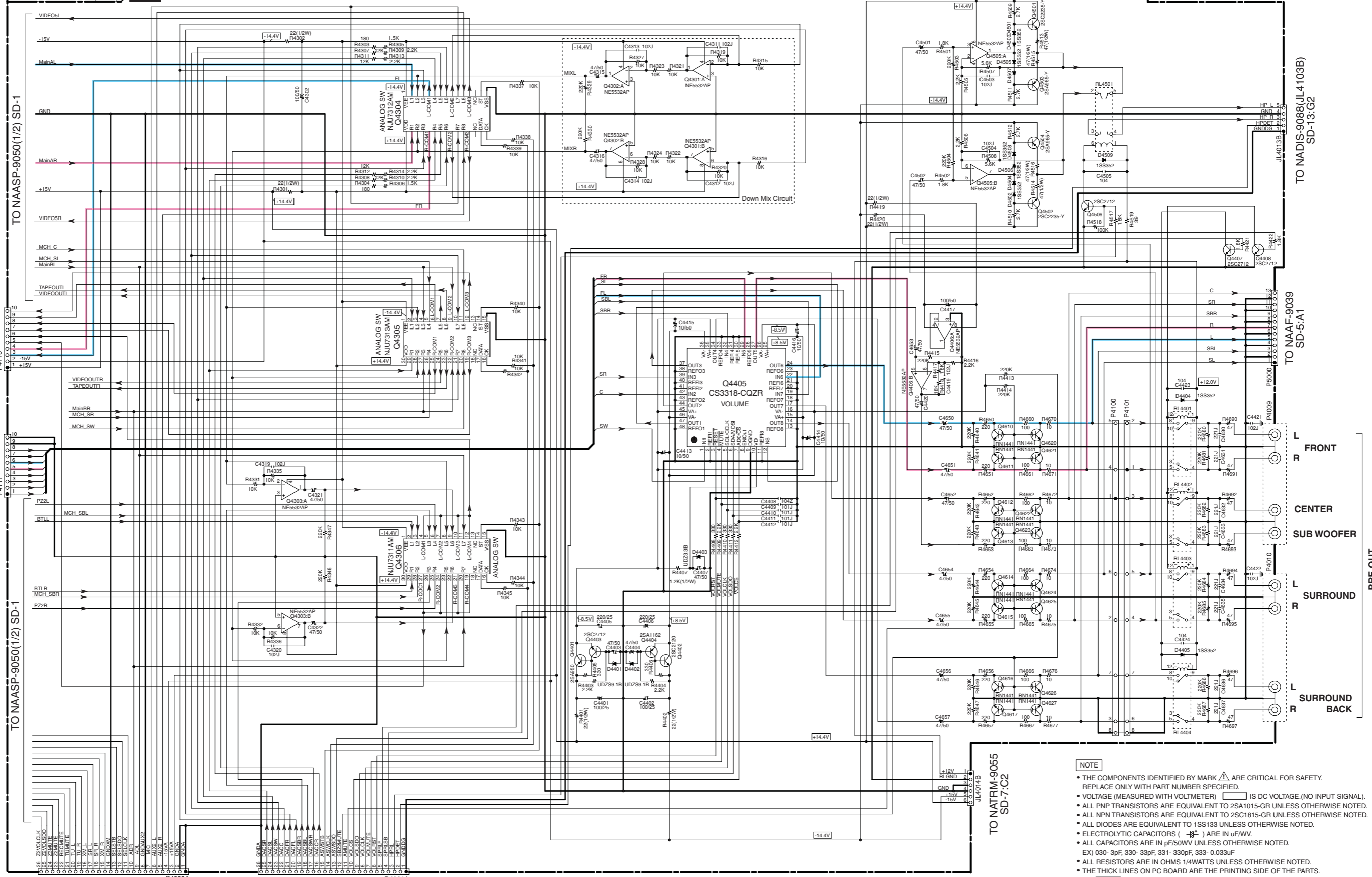
ZONE 2 PRE OUT/LINE OUT

SCHEMATIC DIAGRAMS-2 (SD-2)  
AUDIO SECTION-2

NAASP-9050(2/2) U06 AMPLIFIER PC BOARD

<Notes>  
SD-x:XY is short for Schematic Diagram-x and  
each socket's location, X=A to H, Y=1 to 5.

1  
2  
3  
4  
5



TO NADIS-9088(JL4103B)  
SD-13:G2

TO NAAF-9039  
SD-5:A1

L FRONT  
R  
CENTER  
SUB WOOFER  
L SURROUND  
R  
L SURROUND  
R BACK

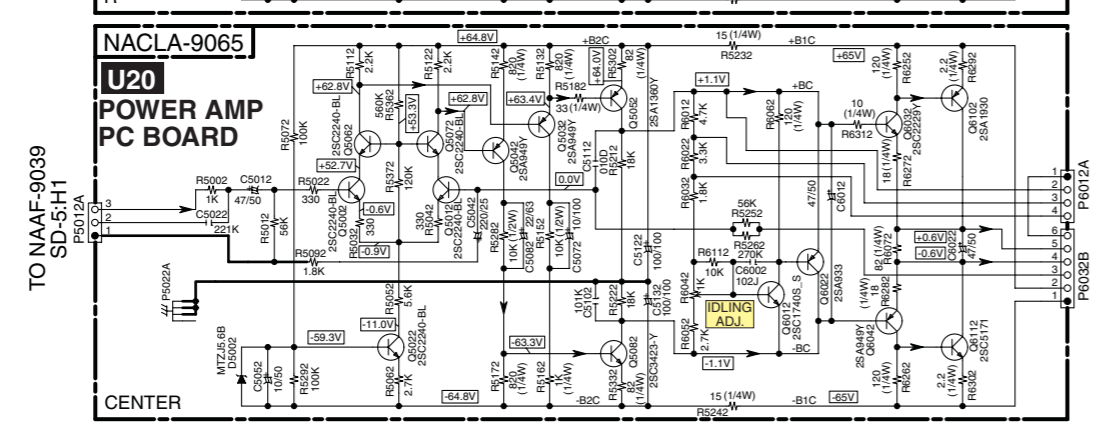
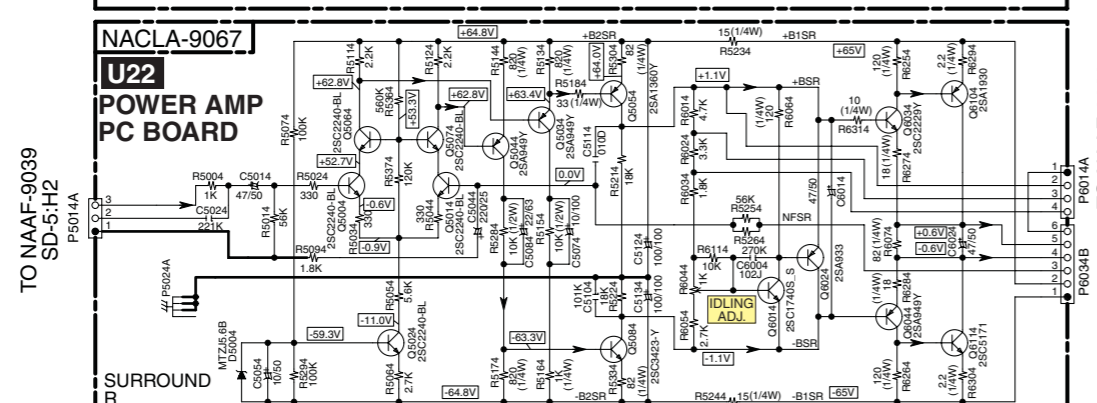
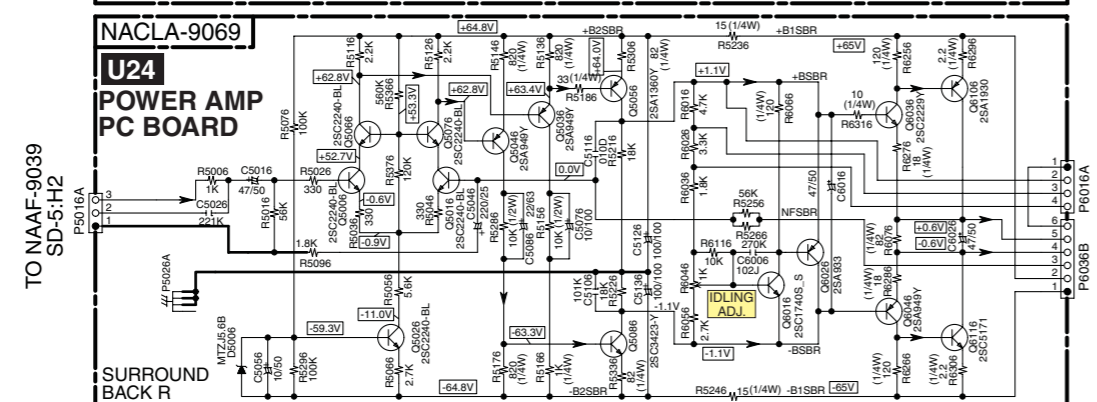
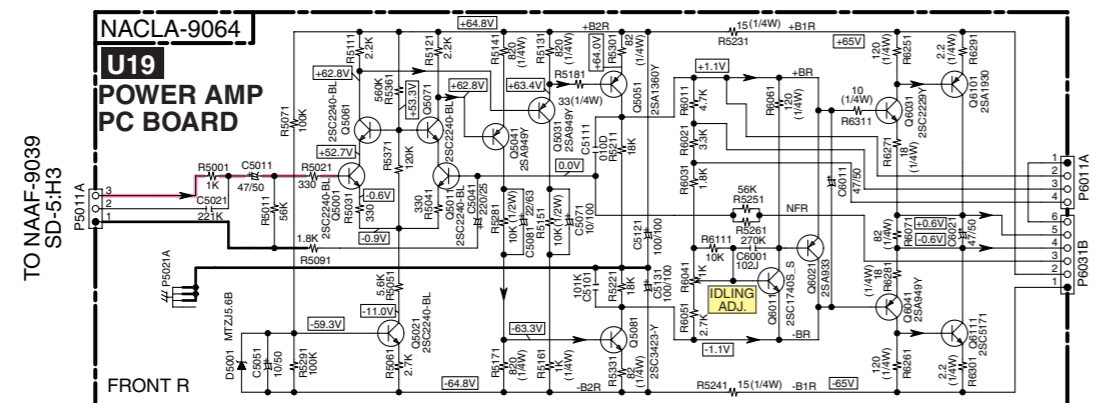
TO NAAR-9075 SD-8:F4

TO NAAR-9075 SD-8:G4

TO NATRM-9055 SD-7:C2

**SCHEMATIC DIAGRAMS-3 (SD-3)**  
**POWER AMPLIFIER SECTION-1**

1  
2  
3  
4  
5



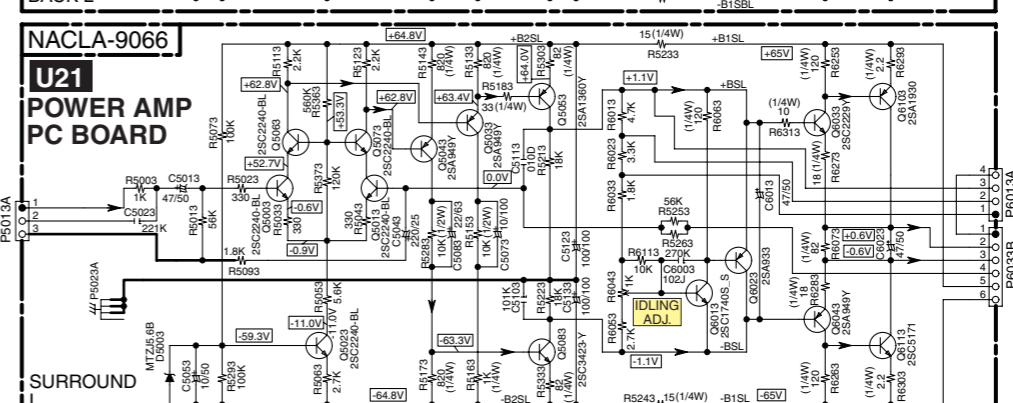
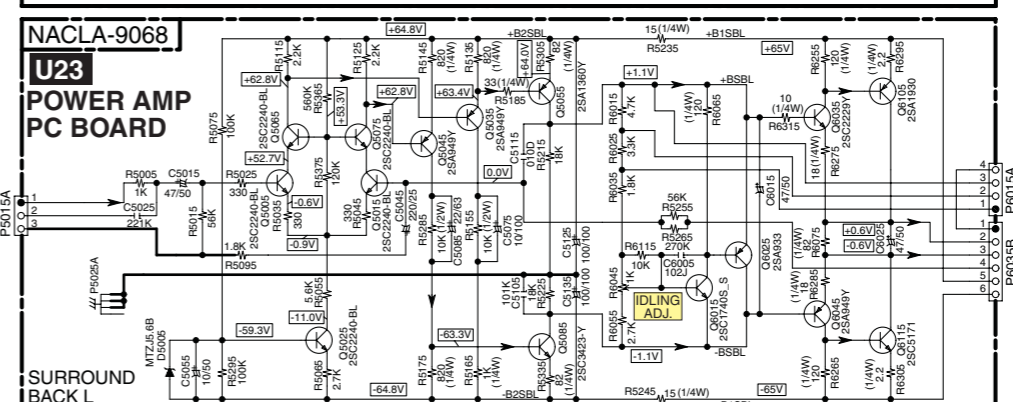
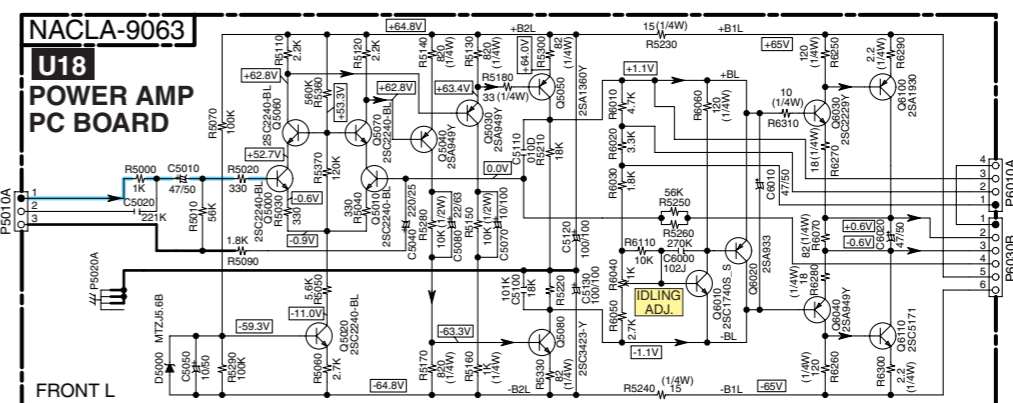
NACLA-9064,65,67,69 are fully compatible with each other.

TO NAAF-9039 SD-5:H3  
TO NAAF-9039 SD-5:H4  
TO NAAF-9039 SD-5:H5

TO NAAF-9039 SD-5:H2  
TO NAAF-9039 SD-5:H3  
TO NAAF-9039 SD-5:H4

TO NAAF-9039 SD-5:H1  
TO NAAF-9039 SD-5:H2  
TO NAAF-9039 SD-5:H3

TO NAAF-9039 SD-5:H1  
TO NAAF-9039 SD-5:H2  
TO NAAF-9039 SD-5:H3



NACLA-9063,66,68 are fully compatible with each other.

<Note> SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

**NOTE**

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER) 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 ( ) 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) PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

TO NAAF-9039 SD-4:F1  
TO NAAF-9039 SD-5:H4

TO NAAF-9039 SD-4:F2  
TO NAAF-9039 SD-5:H4

TO NAAF-9039 SD-4:F3  
TO NAAF-9039 SD-5:H5

**SCHEMATIC DIAGRAMS-4 (SD-4)**  
**POWER AMPLIFIER SECTION-2**

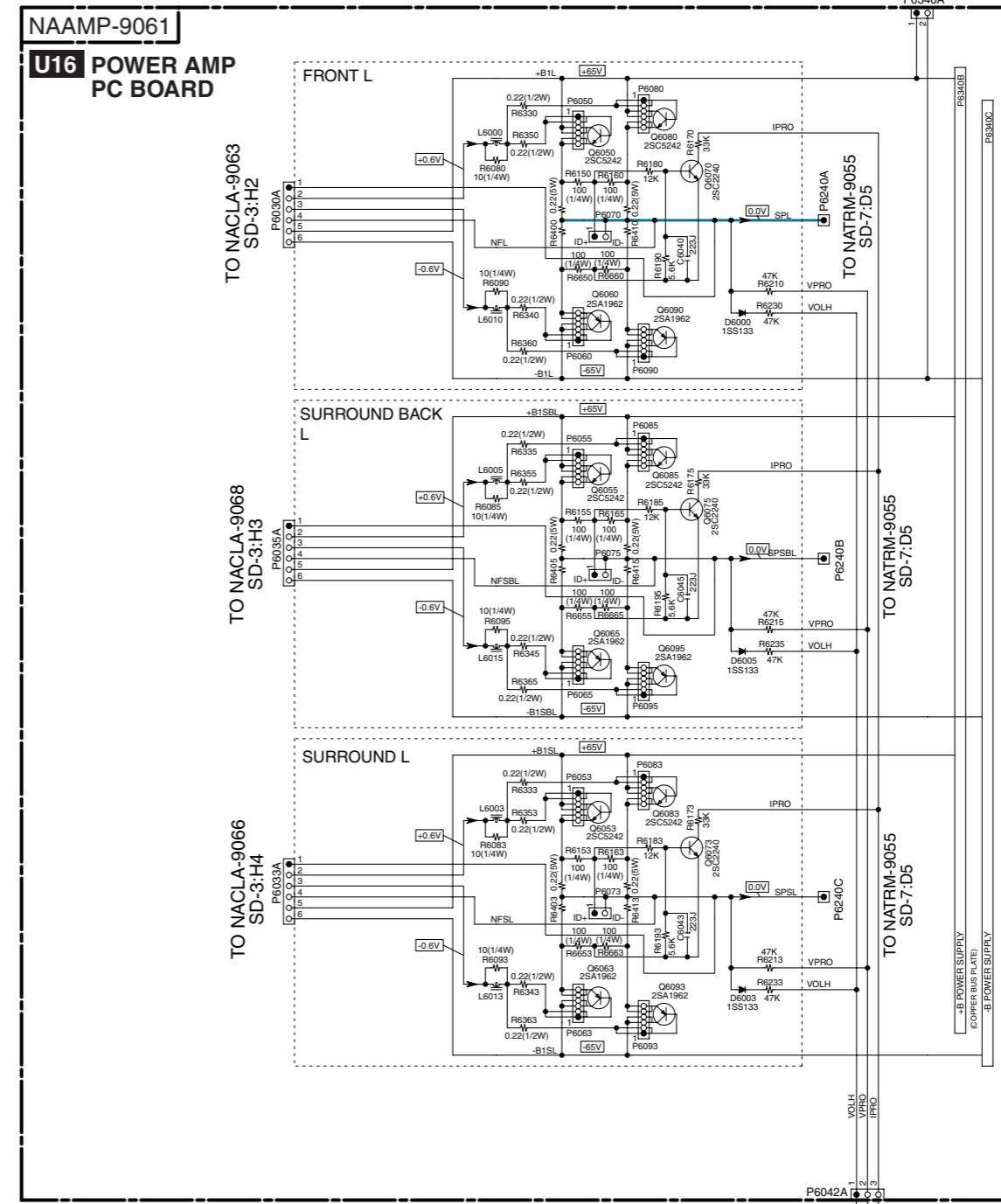
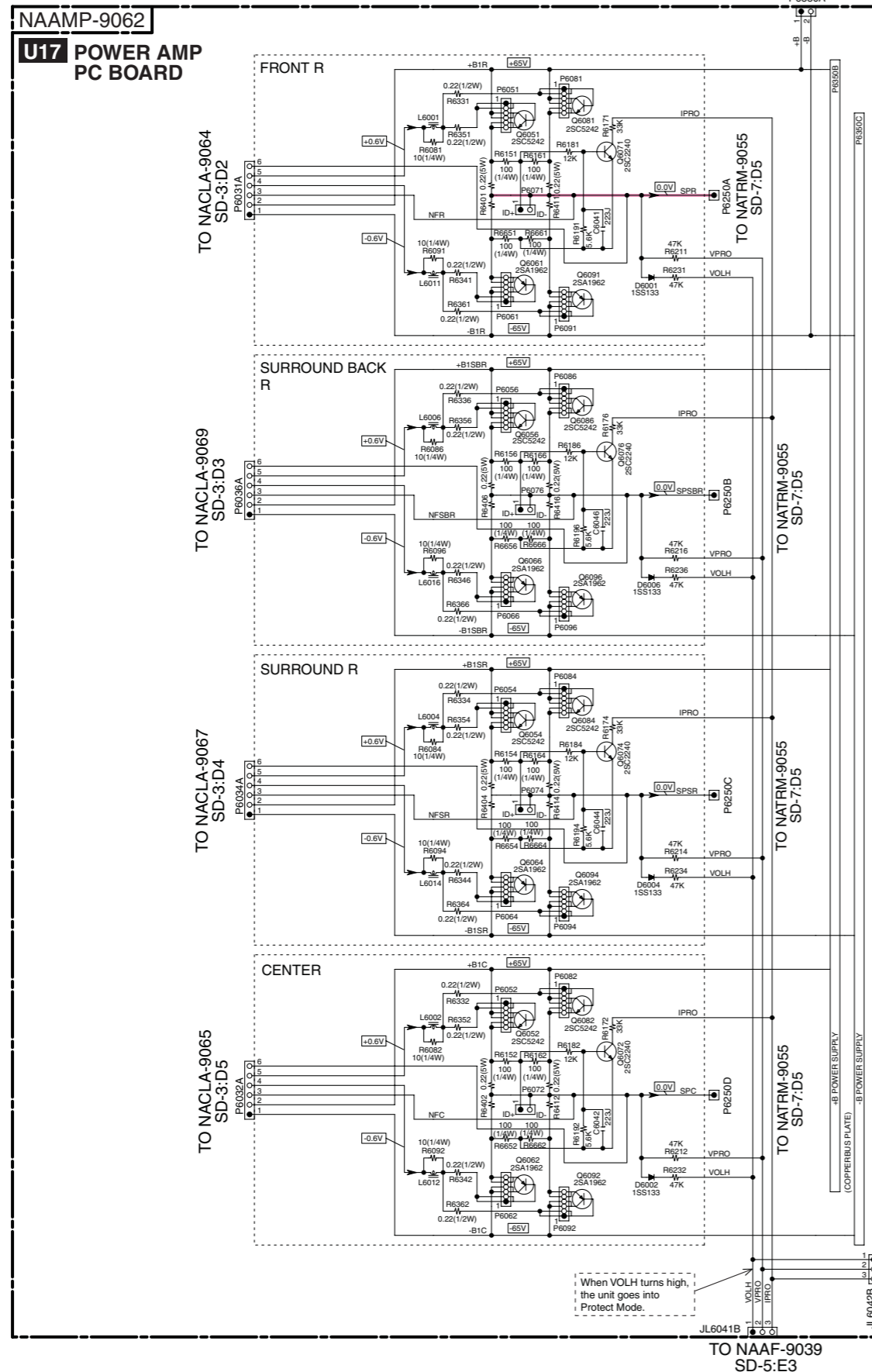
1

2

3

4

5



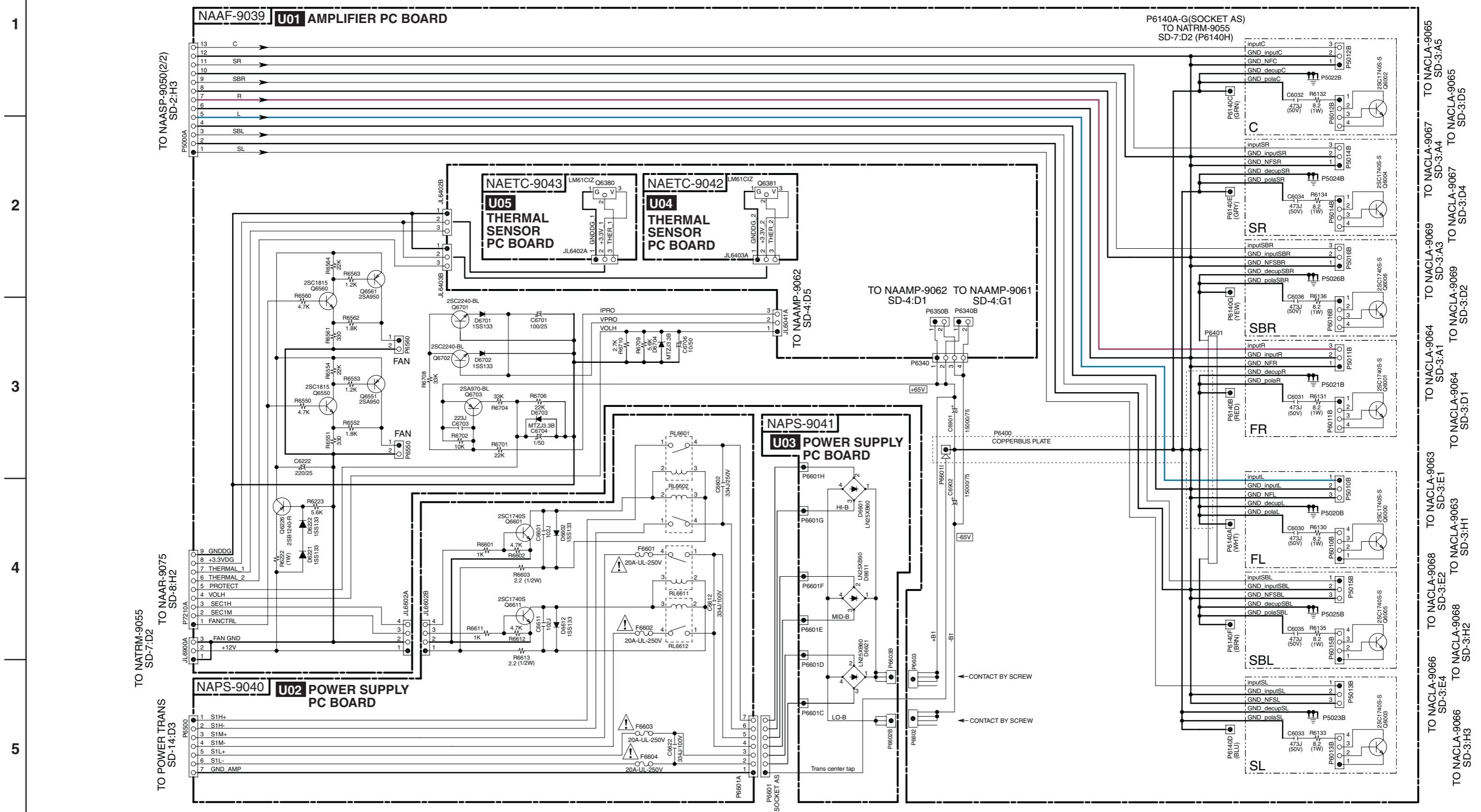
**NOTE**

- 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 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (  $\square$  ) ARE IN  $\mu$ F/WV.
- ALL CAPACITORS ARE IN pF/50WV 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>  
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

SCHEMATIC DIAGRAMS-5 (SD-5)  
POWER SUPPLY SECTION-1

<Note>  
SD-x:XY is short for Schematic Diagram-x and  
each socket's location, X=A to H, Y=1 to 5.





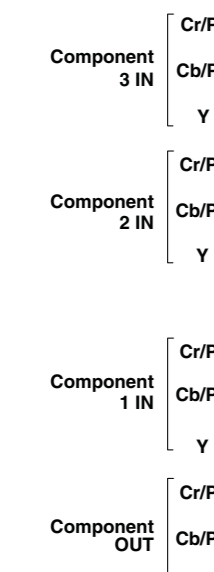
# SCHEMATIC DIAGRAMS-6 (SD-6) VIDEO SECTION

TO NAAR-9075  
SD-8:G3

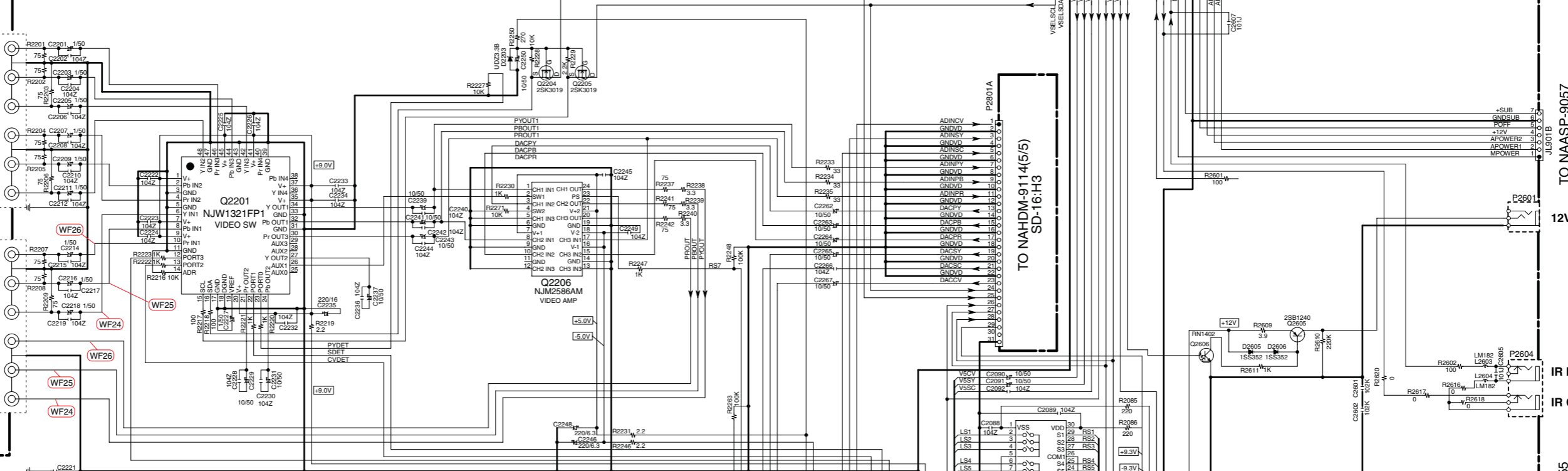
<Note>  
SD-x:XY is short for Schematic Diagram-x and  
each socket's location, X=A to H, Y=1 to 5.

1  
2  
3  
4  
5

### COMPONENT VIDEO



### NAVD-9052 U08 VIDEO PC BOARD

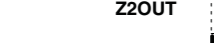


<Note>  
Refer to SCHEMATIC DIAGRAM-21 (SD-21)  
for video signal waveforms.

### S VIDEO



### COMPOSITE VIDEO



TO NAASP-9057  
SD-14:D2

12V TRG Z2

IR IN

IR OUT

TO NATRM-9055  
SD-7:C2

TO NAHDM-9114  
SD-19:G5

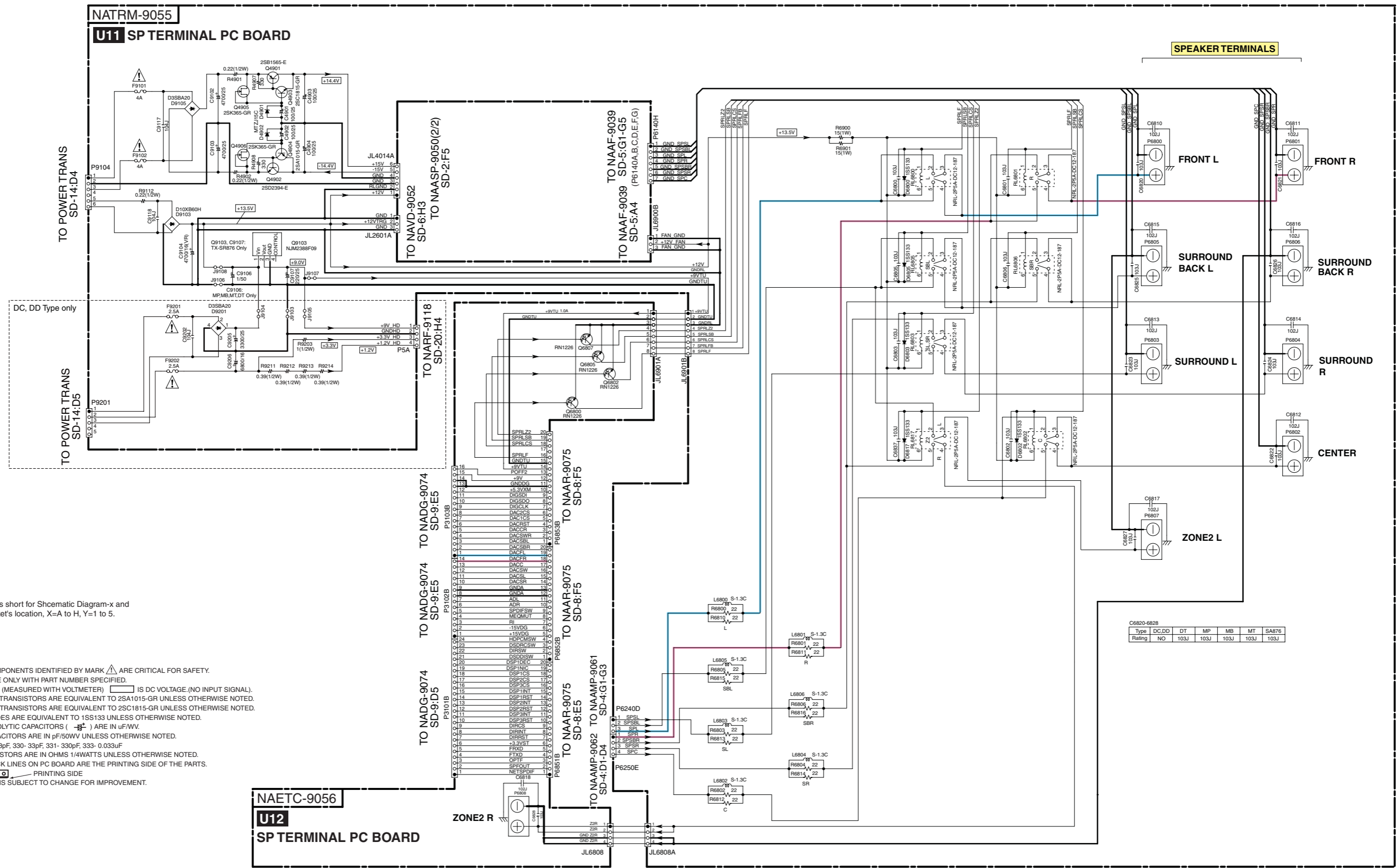
TO POWER TRANS  
SD-14:D4

TO NAHDM-9114(5/5)  
SD-16:H3

TO NAAR-9075  
SD-8:G3

**SCHEMATIC DIAGRAMS-7 (SD-7)**  
**SP TERMINAL SECTION**

1  
2  
3  
4  
5

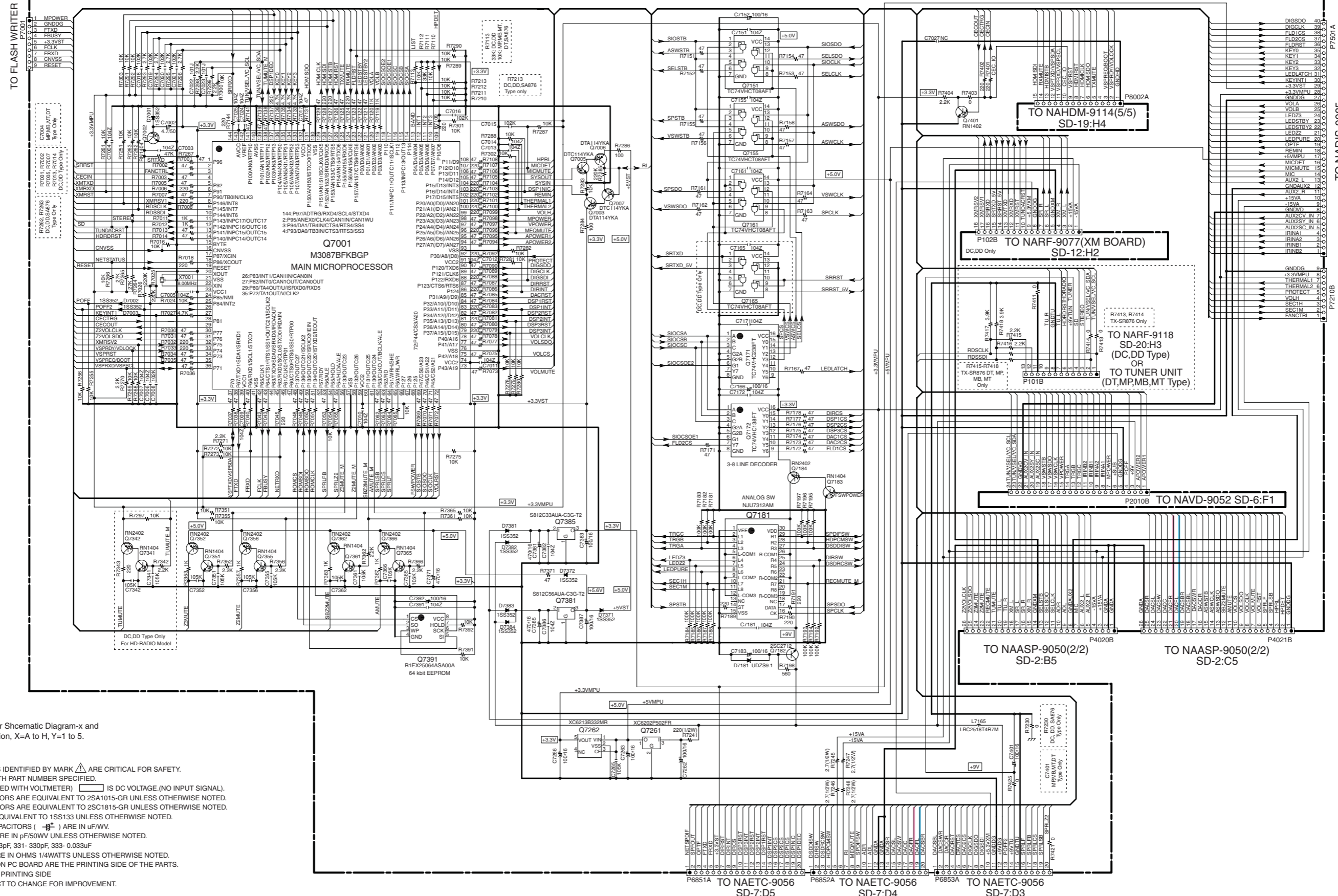


<Note>  
SD-x:Y is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

- 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 1SS133 UNLESS OTHERWISE NOTED.
  - ELECTROLYTIC CAPACITORS (  $\text{---} \parallel \text{---}$  ) 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.

SCHEMATIC DIAGRAMS-8 (SD-8)  
MICROPROCESSOR SECTION

NAAR-9075 U28 MICROPROCESSOR PC BOARD

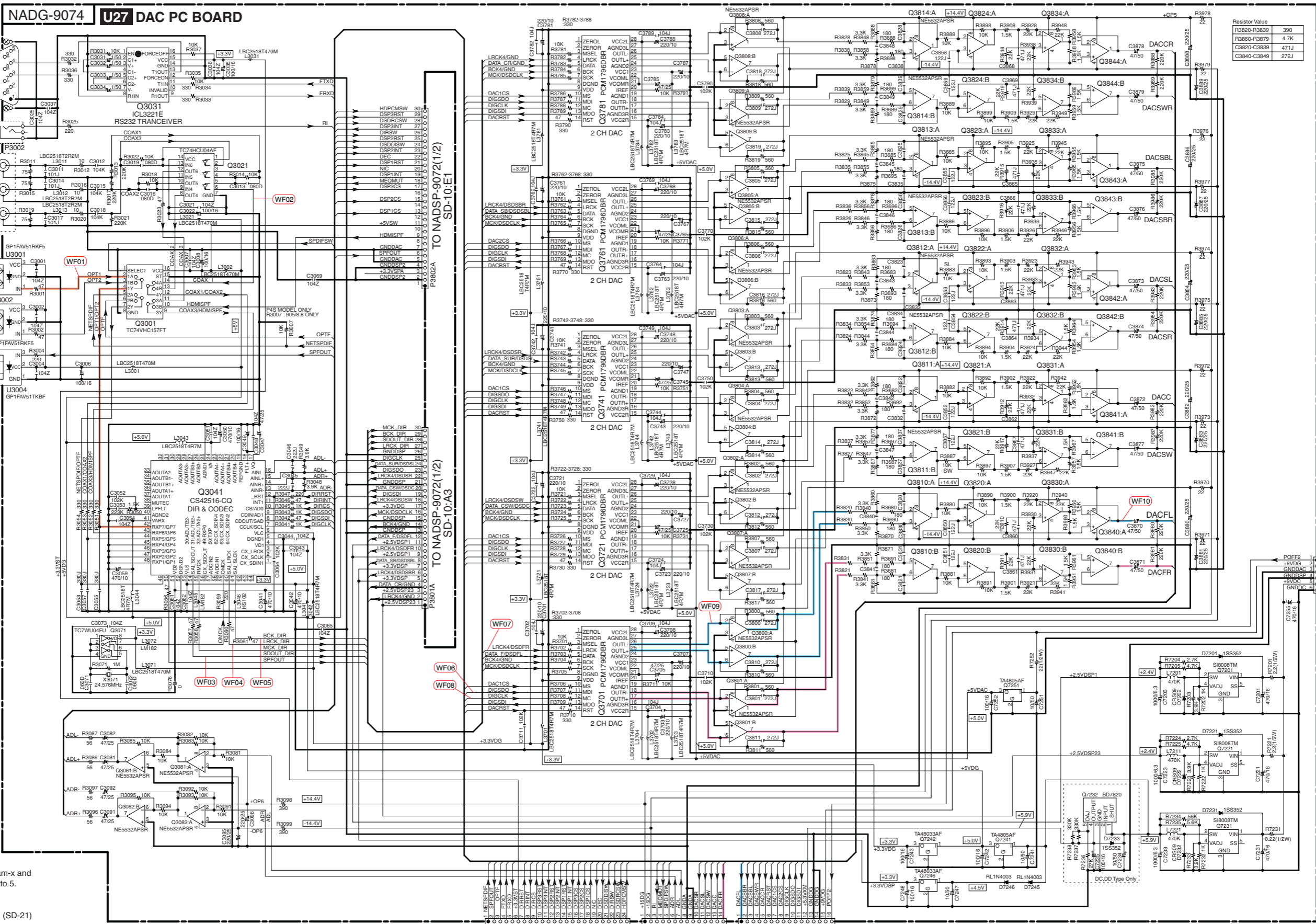


<Note>  
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

- NOTE**
- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
  - VOLTAGE (MEASURED WITH VOLTMETER) 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 ( ) ARE IN uF/WV.
  - 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) PRINTING SIDE
  - CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

TO FLASH WRITER P7001  
TO NAADM-9114(5/5) SD-19:H4  
TO NARF-9077(XM BOARD) SD-12:H2  
TO NARF-9118 SD-20:H3 (DC,DD Type) OR TO TUNER UNIT (DT,MP,MB,MT Type)  
TO NAVD-9052 SD-6:F1  
TO NAASP-9050(2/2) SD-2:B5  
TO NAASP-9050(2/2) SD-2:C5  
TO NAETC-9056 SD-7:D5  
TO NAETC-9056 SD-7:D4  
TO NAETC-9056 SD-7:D3  
TO NADIS-9085 SD-13:B2  
TO NAAF-9039 SD-5:A4

SCHEMATIC DIAGRAMS-9 (SD-9) DAC SECTION



1  
2  
3  
4  
5

<Note>  
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

<Note>  
1. Refer to SCHEMATIC DIAGRAM-21 (SD-21) for digital audio signal waveforms.  
2. (WF01) is short for (WaveForm01).

P3101A TO NAETC-9056 SD-7:C5  
 P3102A TO NAETC-9056 SD-7:C4  
 P3103A TO NAETC-9056 SD-7:C3

TO NAPS-9089 SD-1:G4

SCHEMATIC DIAGRAMS-10 (SD-10)  
DSP SECTION-1

TO NAHDM-9114(5/5)  
SD-19:H4

TO NADG-9074  
SD-9:C2

<Note>  
SD-x:XY is short for Schematic Diagram-x and  
each socket's location, X=A to H, Y=1 to 5.

1

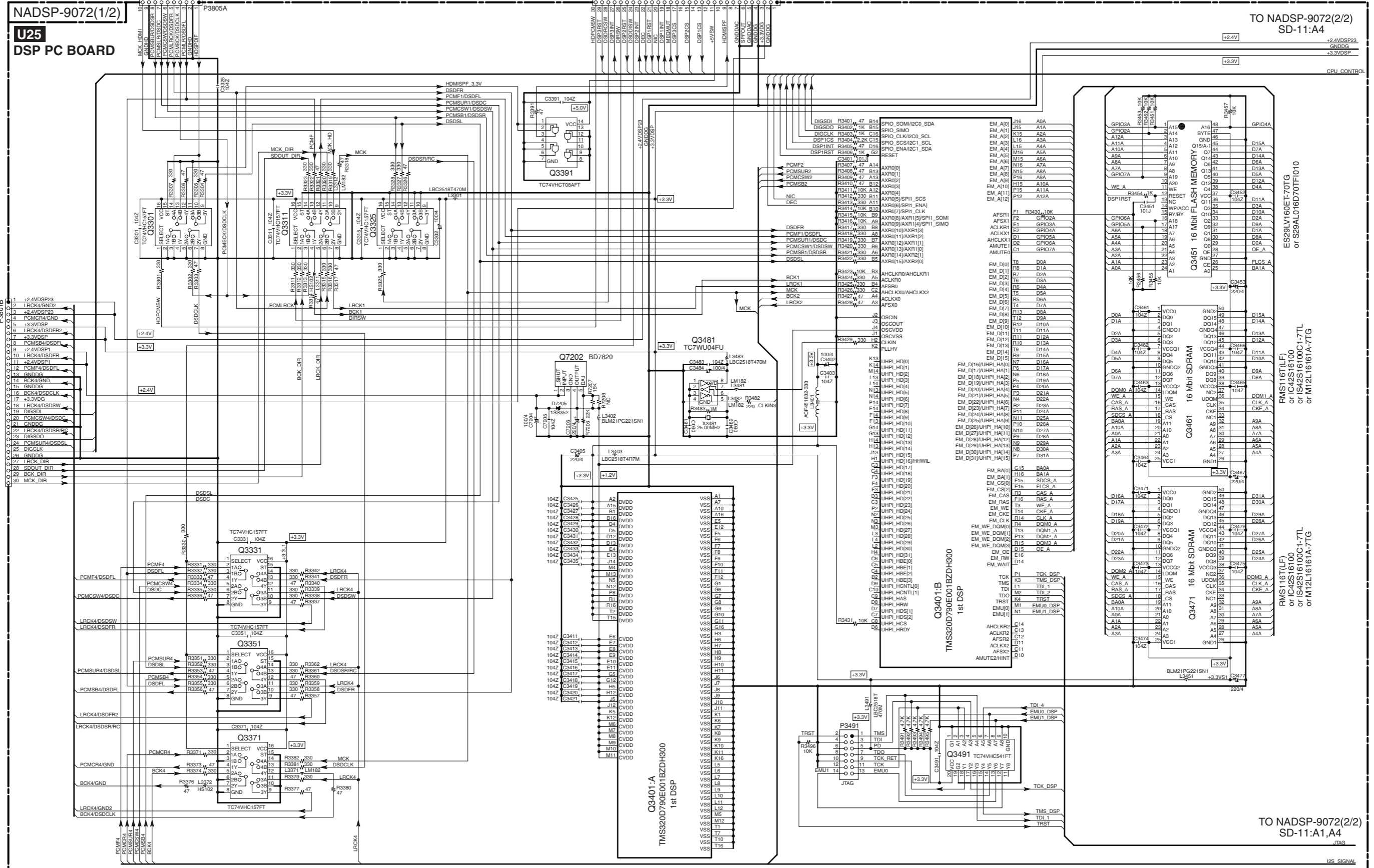
2

3

4

5

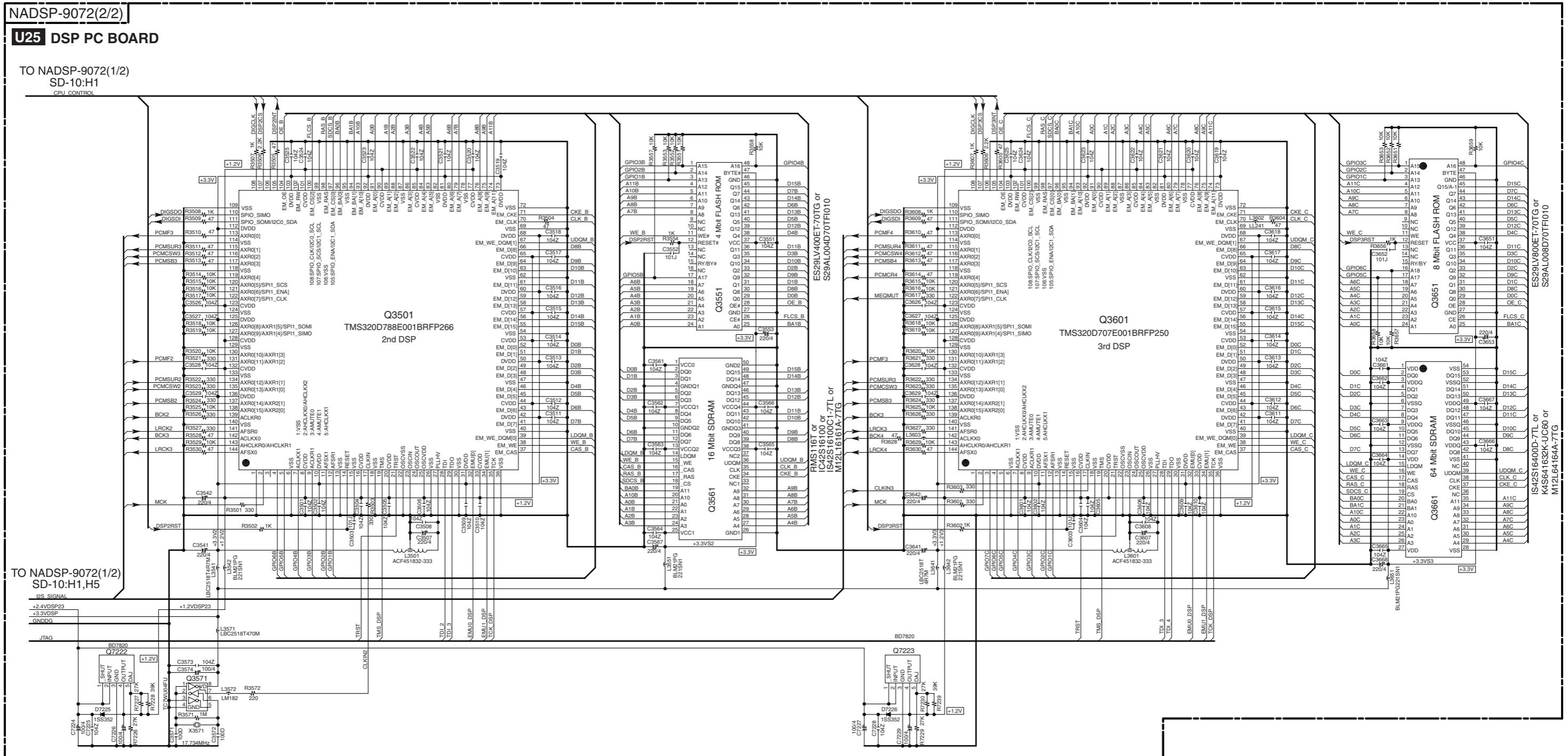
TO NADSP-9072(2/2)  
SD-11:A4



I2S SIGNAL

SCHEMATIC DIAGRAMS-11 (SD-11) DSP SECTION-2

1  
2  
3  
4  
5



- NOTE**
- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
  - VOLTAGE (MEASURED WITH VOLTMETER) 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 ( ) 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) PRINTING SIDE
  - CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

<Note>  
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

**SCHEMATIC DIAGRAMS-12 (SD-12)**  
**XM/SIRIUS SECTION**

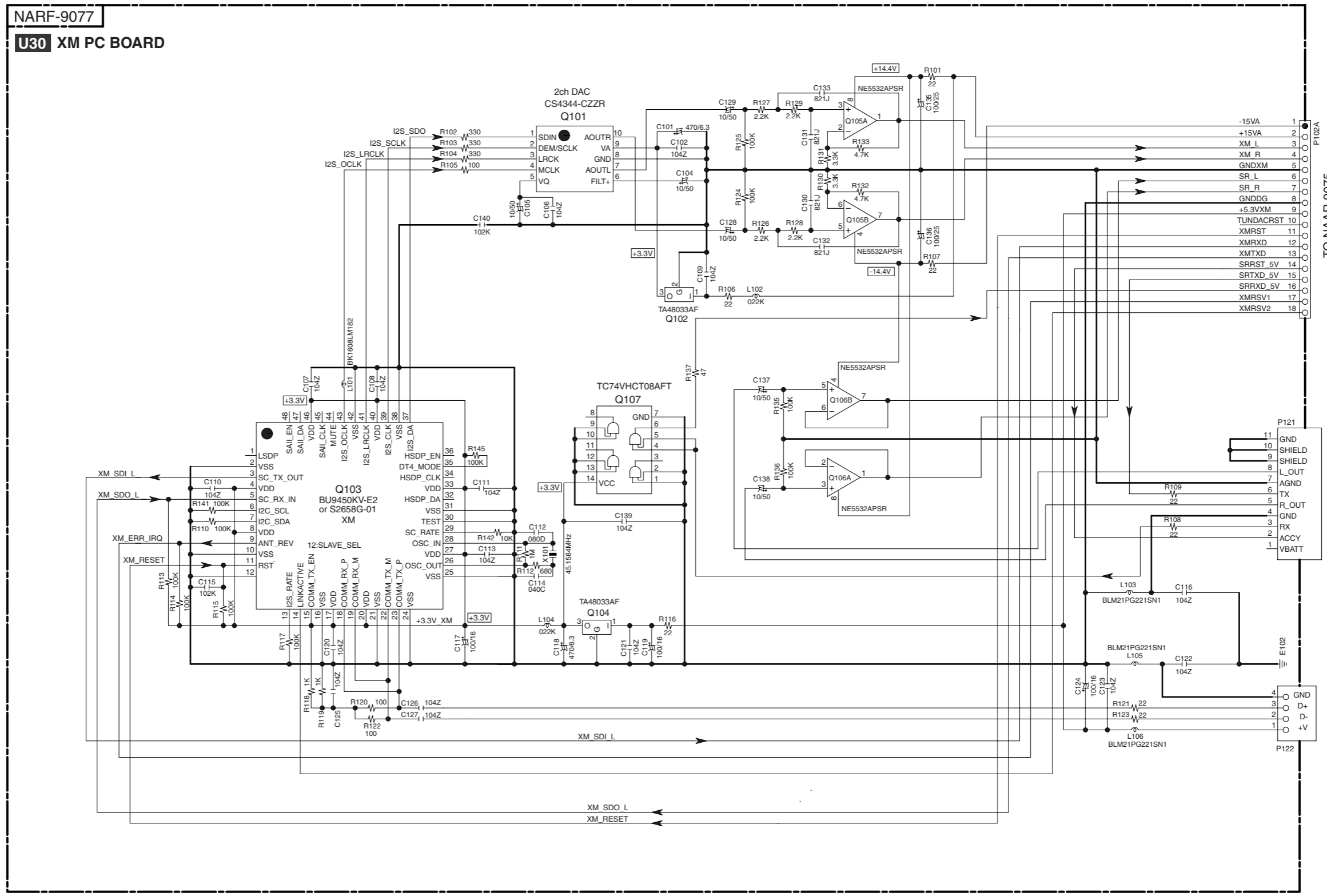
1

2

3

4

5



<Note>  
SD-x:XY is short for Schematic Diagram-x and  
each socket's location, X=A to H, Y=1 to 5.

# SCHEMATIC DIAGRAMS-13 (SD-13) DISPLAY SECTION

1

<Note>  
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 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 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (  $\text{---}$  ) ARE IN  $\mu\text{F/WV}$ .
- ALL CAPACITORS ARE IN  $\text{pF}$  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.

2

<Note>  
Refer to SCHEMATIC DIAGRAM-21 (SD-21) for FL driver IC control waveforms.

3

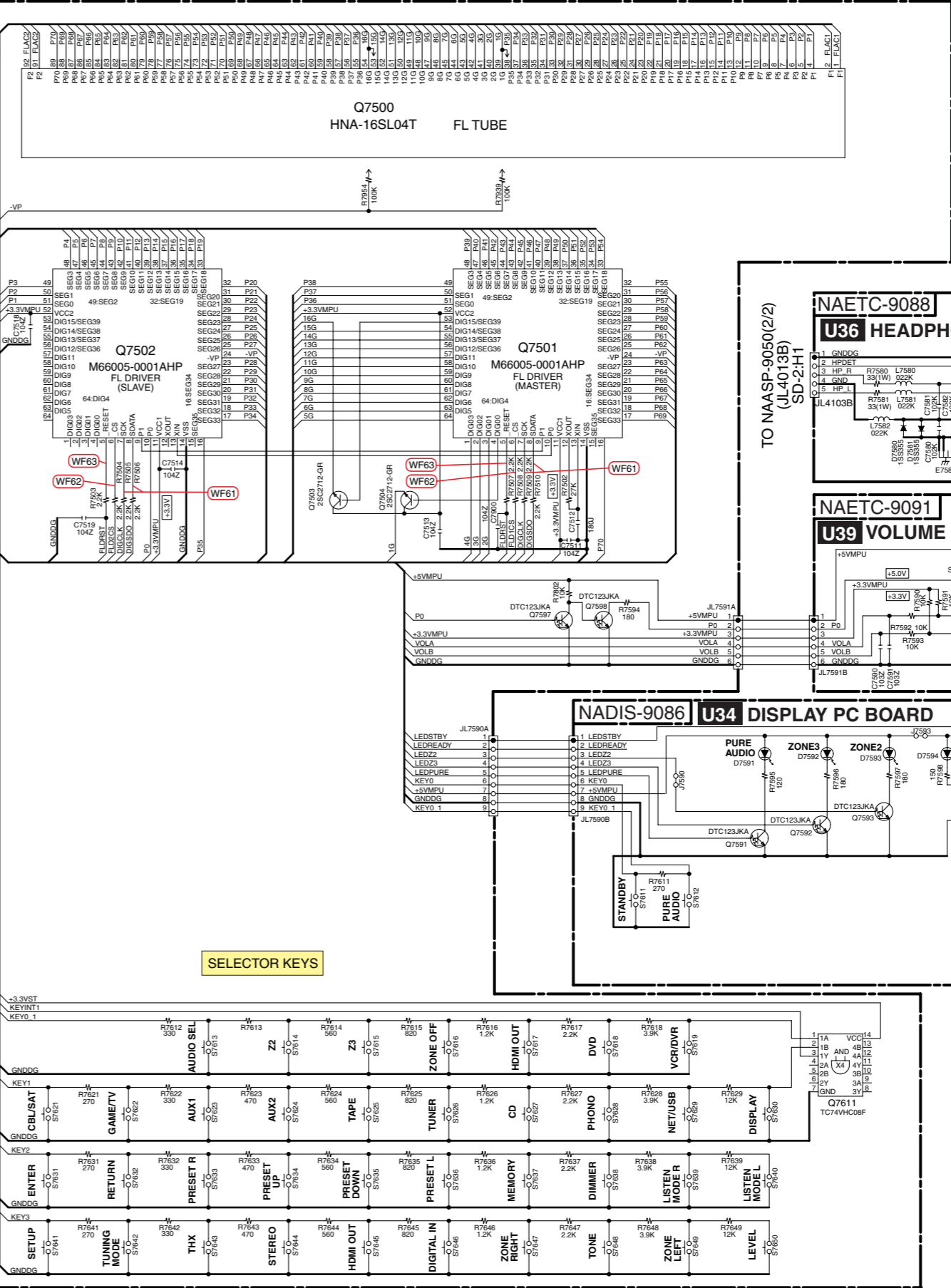
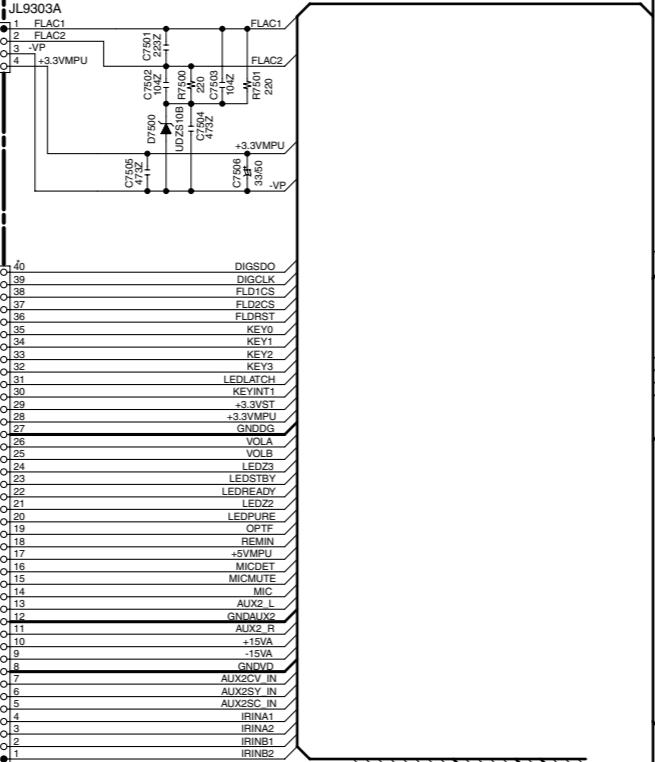
4

5

## NADIS-9085 U33 DISPLAY PC BOARD

TO NAPS-9089 SD-14:G5

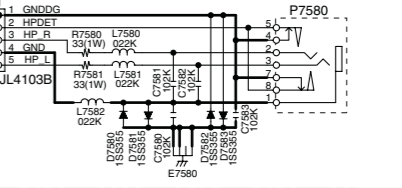
TO NAAR-9075 SD-8:H2



## NAETC-9088 U36 HEADPHONE PC BOARD

TO NAASP-9050(22) SD-2:H1

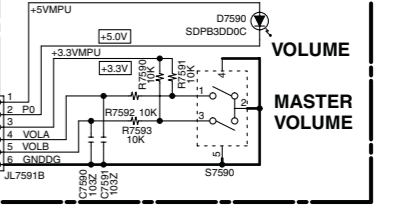
HEADPHONE



## NAETC-9091 U39 VOLUME PC BOARD

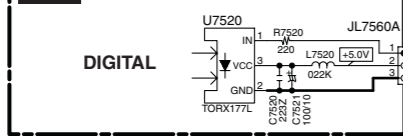
TO NAASP-9050(22) SD-2:H1

VOLUME  
MASTER VOLUME



## NAETC-9090 U33 FRONT OPT PC BOARD

DIGITAL

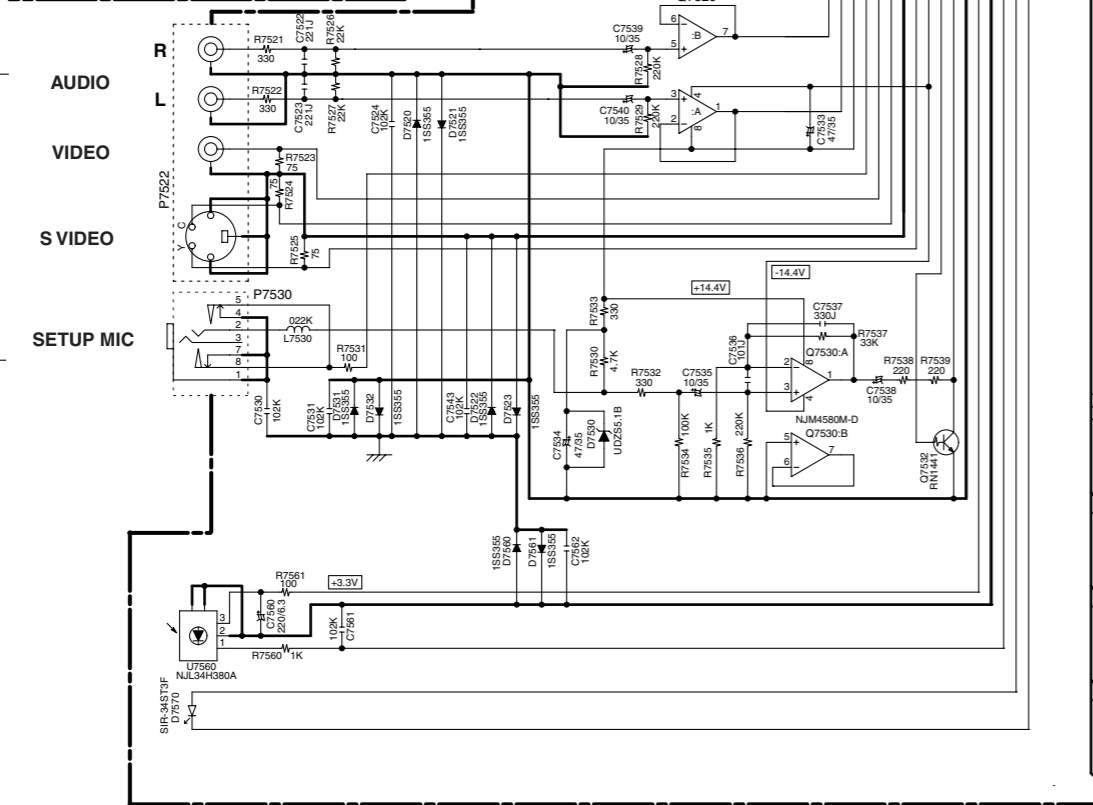


AUDIO

VIDEO

S VIDEO

SETUP MIC



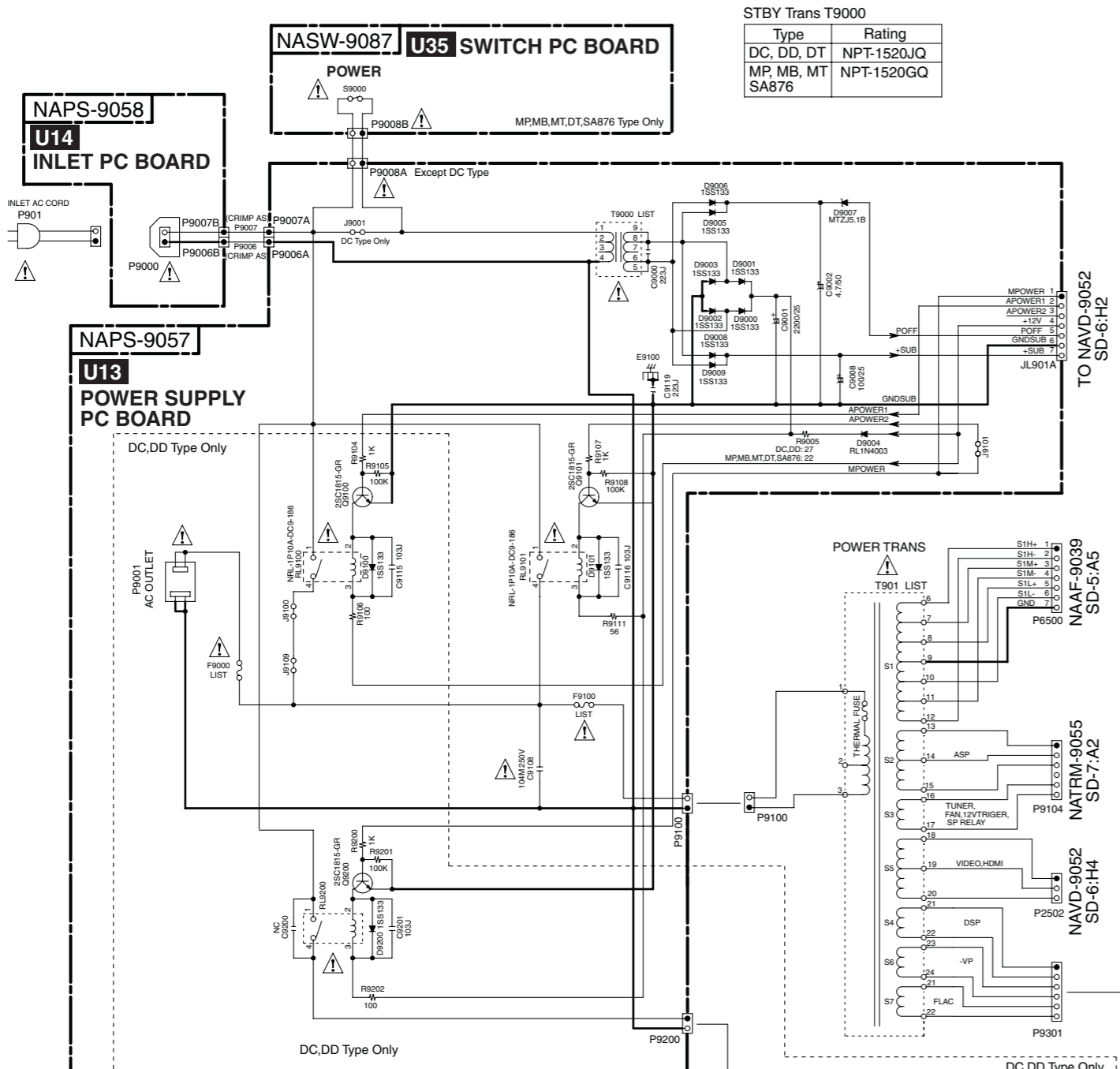
SELECTOR KEYS



**SCHEMATIC DIAGRAMS-14 (SD-14)**  
**POWER SUPPLY SECTION-2**

<Note>  
SD-x:XY is short for Shcematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

1  
2  
3  
4  
5



STBY Trans T9000

Type	Rating
DC, DD, DT	NPT-1520JQ
MP, MB, MT	NPT-1520GQ
SA876	

**NOTE**

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER) 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 ( ) 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)
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

**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.

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 MAKING ADJACENT TO THE SYMBOL.

CE SYMBOLE INDIQUE QUE LE FUSIBLE UTILISE EST A LENT, E POUR UNE PROTECTION PERMANENTE. N'UTILISER QUE DES FUSIBLES DE MEME TYPE. CE DARNIER EST INDIQUE LA QU LE PRESENT SYMBOLE EST APOSE.

AC Volt / Freq.

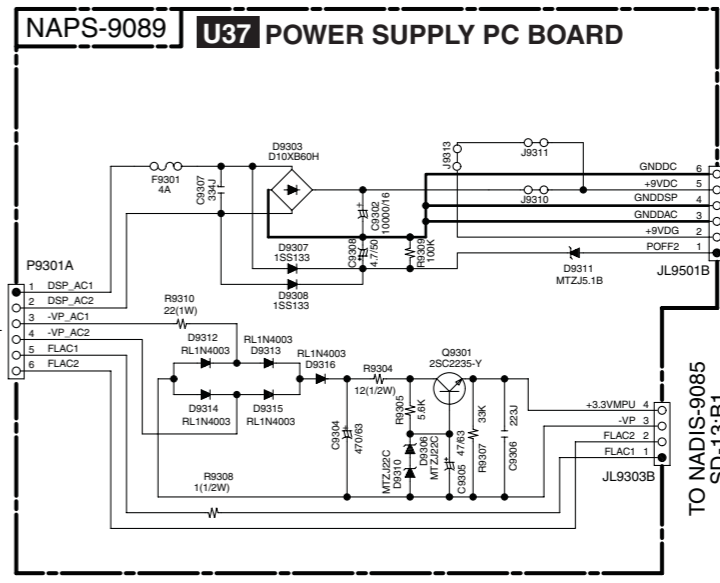
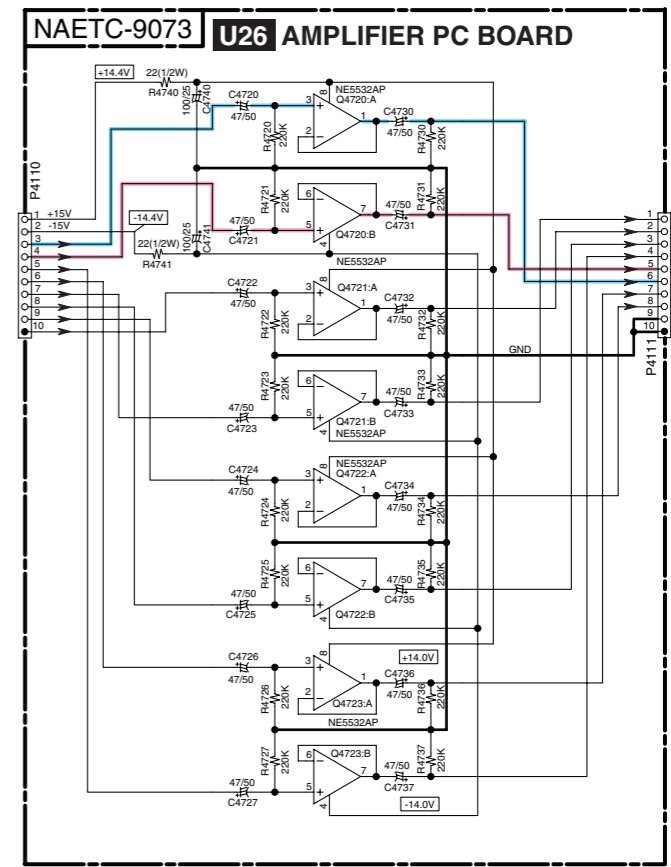
Type	Volt / Freq.
DC, DD, DT	120V 60HZ
MP, MB	220-240V 50HZ
MT, SA876	220-240V 50/60HZ

Power Trans T901

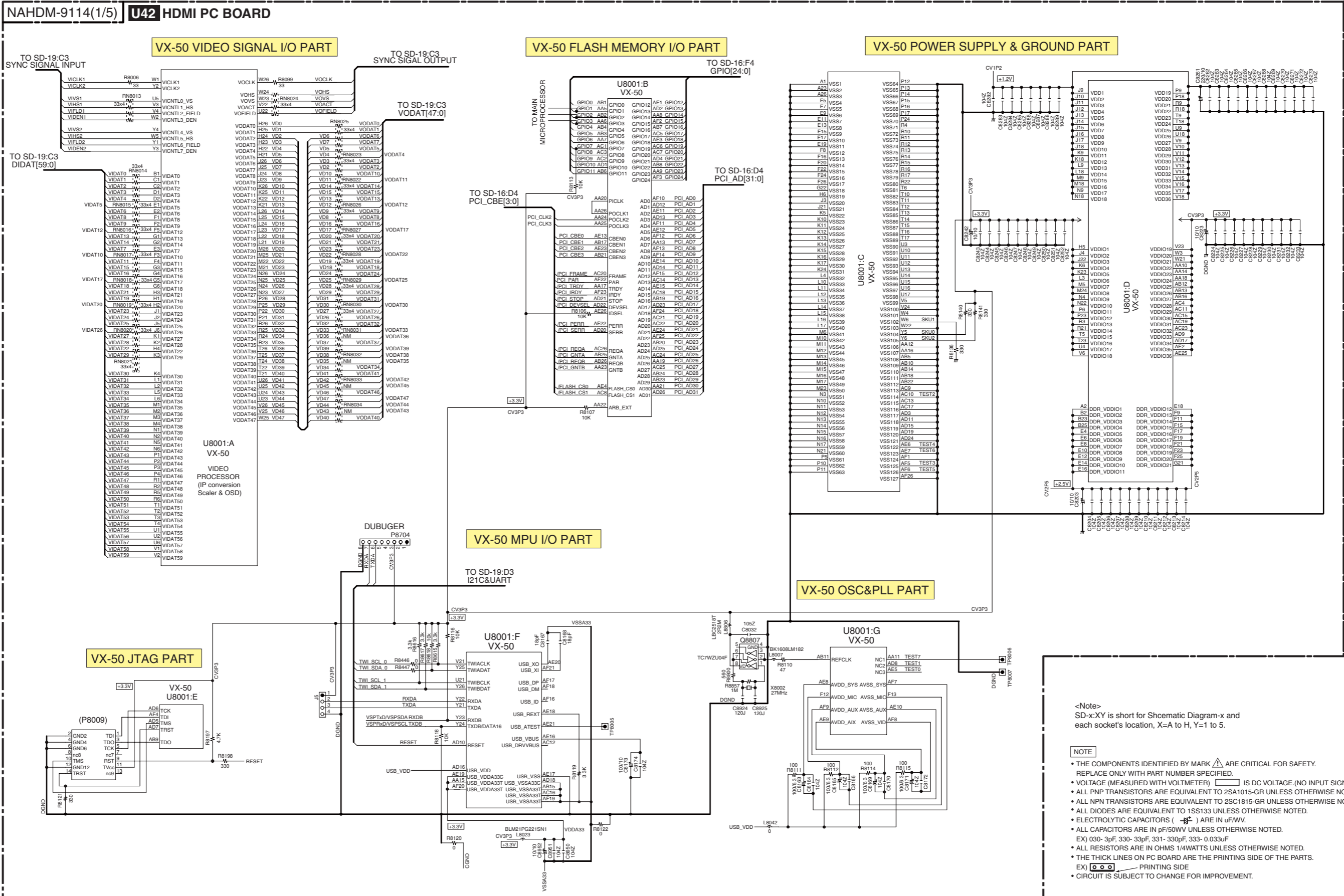
Type	Rating
DC, DD, DT	NPT-1553D
MP, MB	NPT-1553M
MT, SA876	NPT-1553M

Fuse Rating

Type	F9100	F9000
DC, DD, DT	12A 125V	5A 125V
MP, MB	6.3A 250V	NONE
MT, SA876	6.3A 250V	NONE



**SCHEMATIC DIAGRAMS-15 (SD-15)**  
**HDMI SECTION-1**

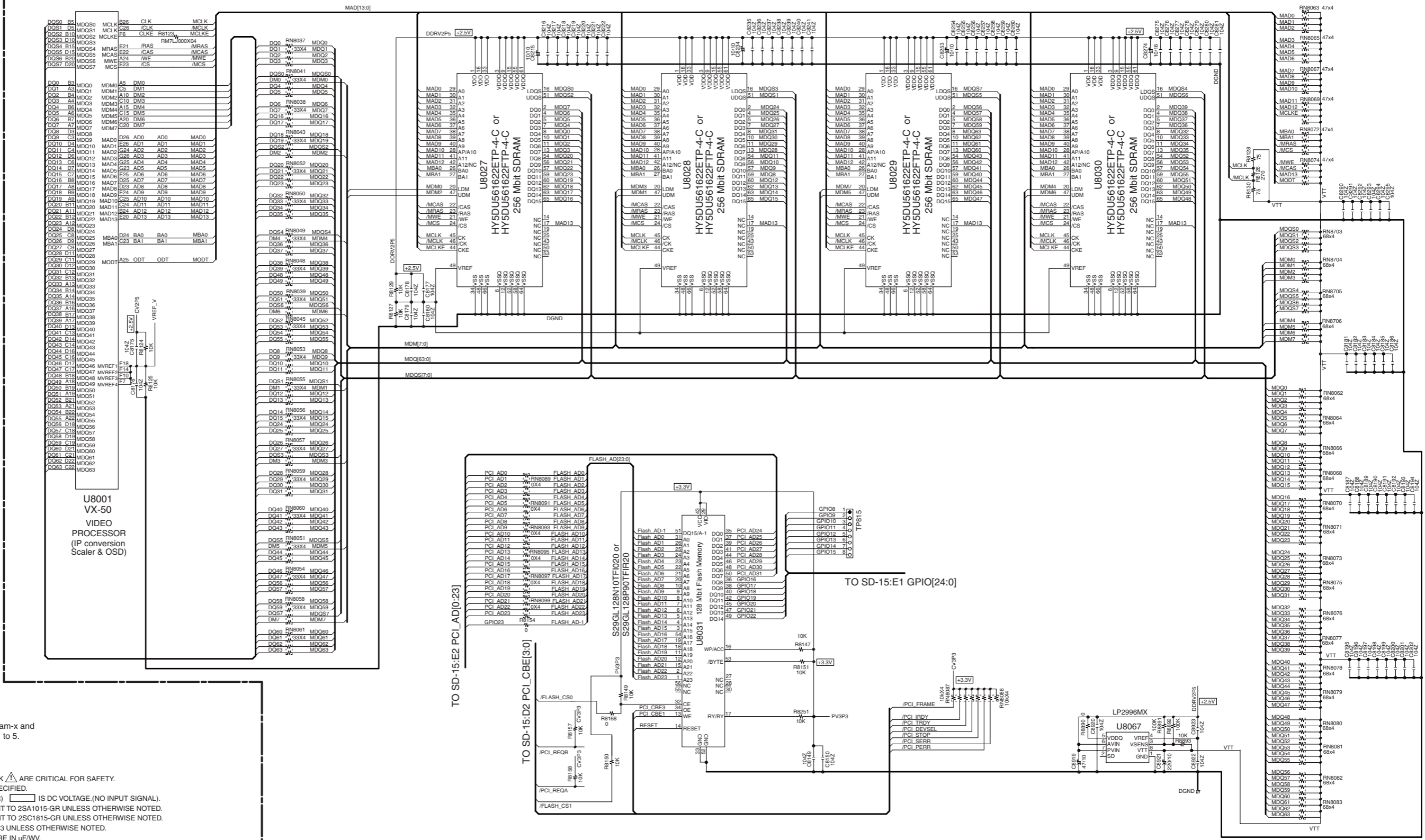


<Note>  
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

- NOTE**
- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
  - VOLTAGE (MEASURED WITH VOLTMETER) 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 ( ) 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) PRINTING SIDE
  - CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

**SCHEMATIC DIAGRAMS-16 (SD-16)**  
**HDMI SECTION-2**

NAHDM-9114(2/5) **U42** HDMI PC BOARD



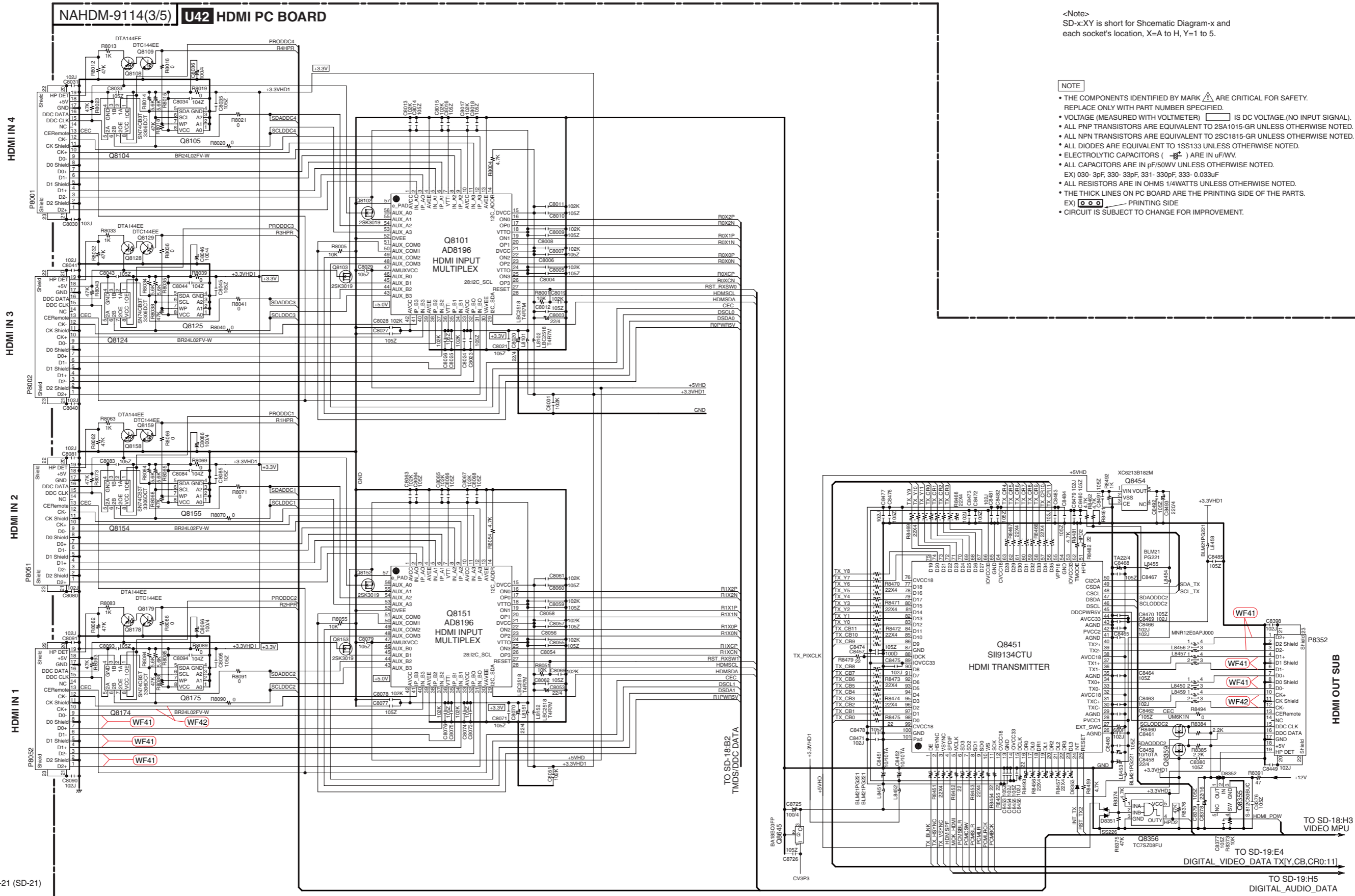
<Note>  
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

**NOTE**

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER) 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 ( ) ARE IN  $\mu\text{F/WV}$ .
- ALL CAPACITORS ARE IN pF/50V 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) PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

**SCHEMATIC DIAGRAMS-17 (SD-17)**  
**HDMI SECTION-3**

1  
2  
3  
4  
5



<Note>  
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 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 1SS133 UNLESS OTHERWISE NOTED.
  - ELECTROLYTIC CAPACITORS (  $\text{---}$  ) ARE IN  $\mu$ F/WV.
  - ALL CAPACITORS ARE IN pF/50WV 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>  
Refer to SCHEMATIC DIAGRAM-21 (SD-21) for HDMI signal waveforms.

SCHEMATIC DIAGRAMS-18 (SD-18)  
HDMI SECTION-4

<Note>  
SD-x:Y is short for Schematic Diagram-x and  
each socket's location, X=A to H, Y=1 to 5.

1

2

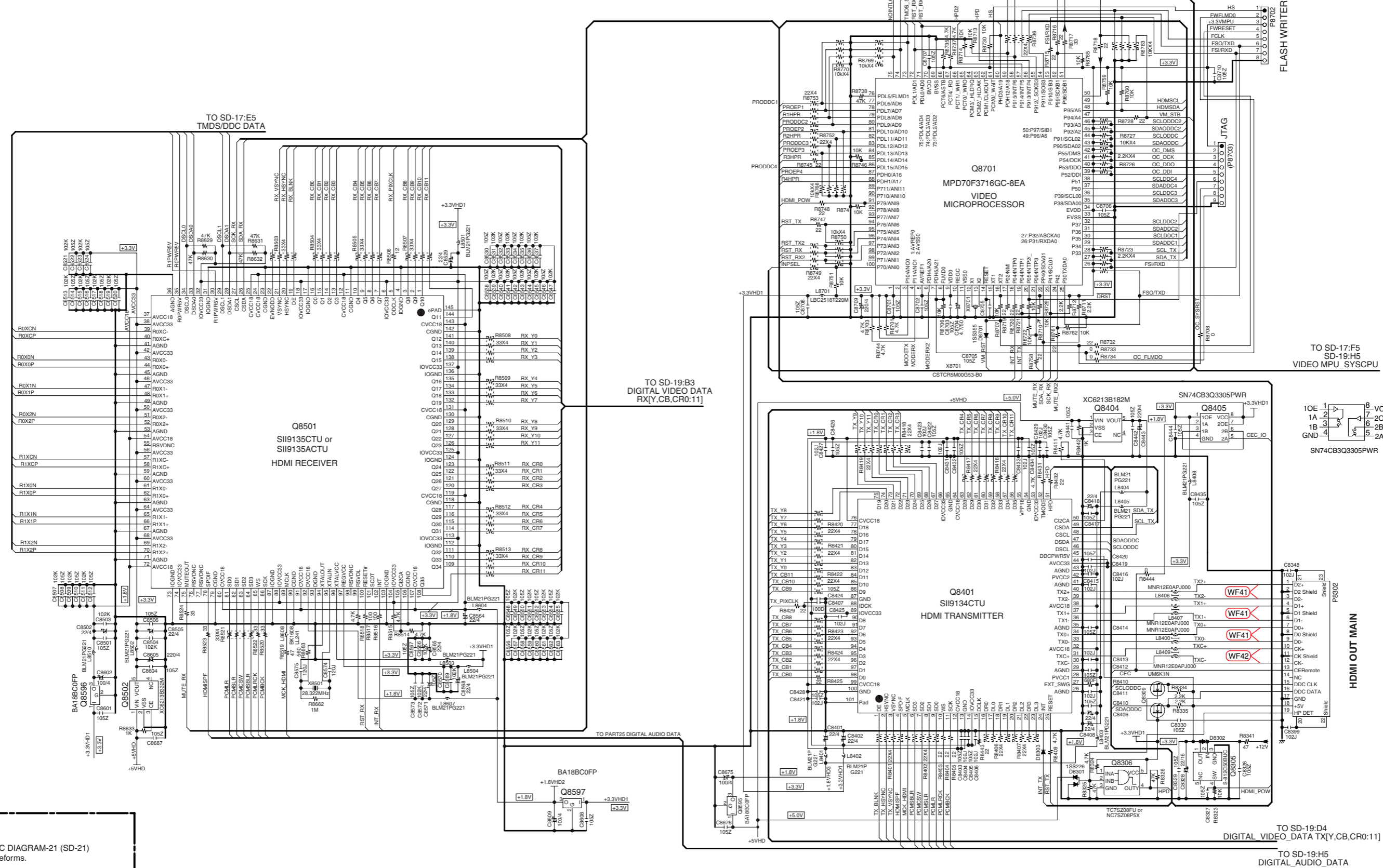
3

4

5

NAHDM-9114(4/5)

U42 HDMI PC BOARD



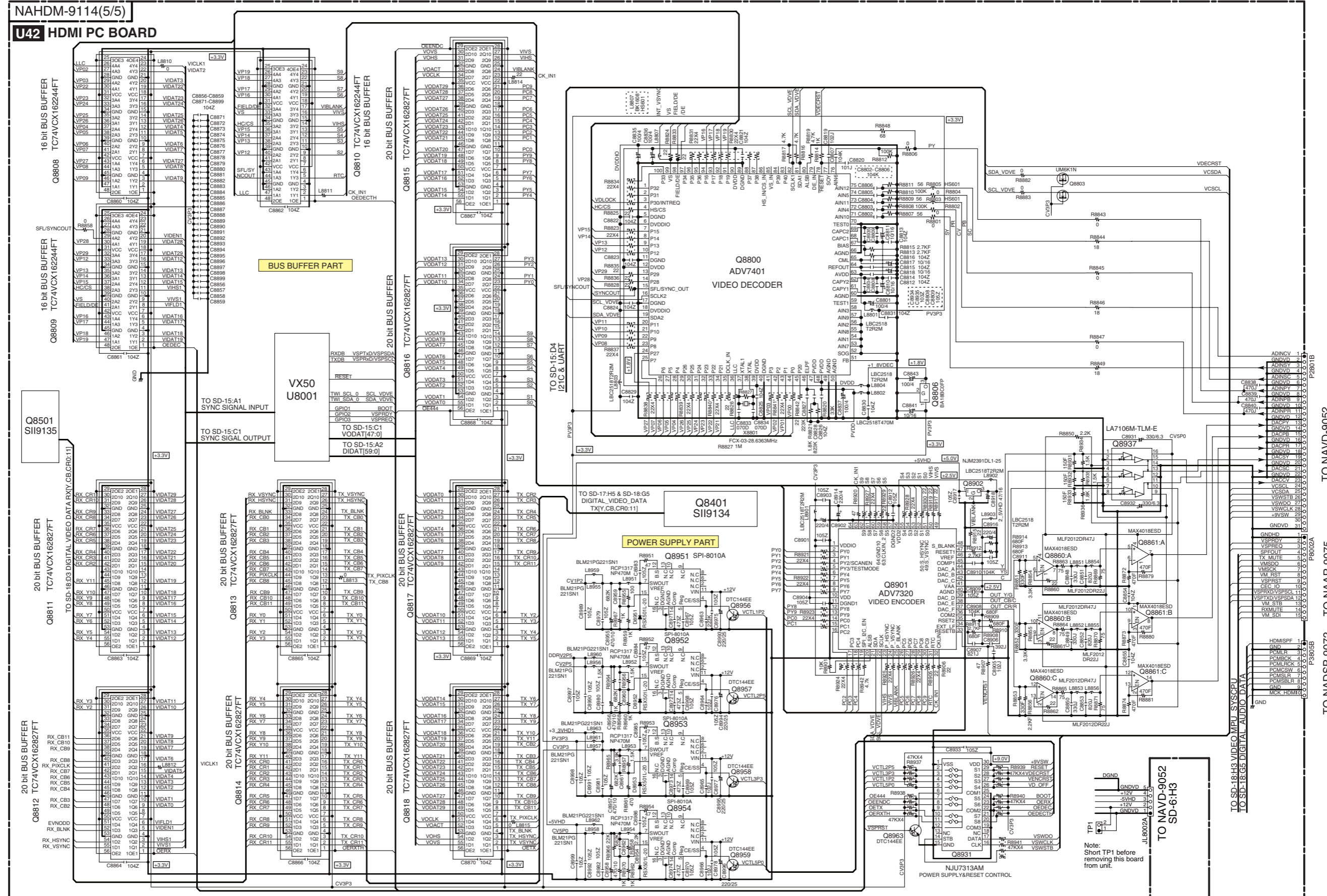
<Note>  
Refer to SCHEMATIC DIAGRAM-21 (SD-21)  
for HDMI signal waveforms.

HDMI OUT MAIN

SCHEMATIC DIAGRAMS-19 (SD-19)  
HDMI SECTION-5

<Note>  
SD-x:XY is short for Schematic Diagram-x and  
each socket's location, X=A to H, Y=1 to 5.

1  
2  
3  
4  
5

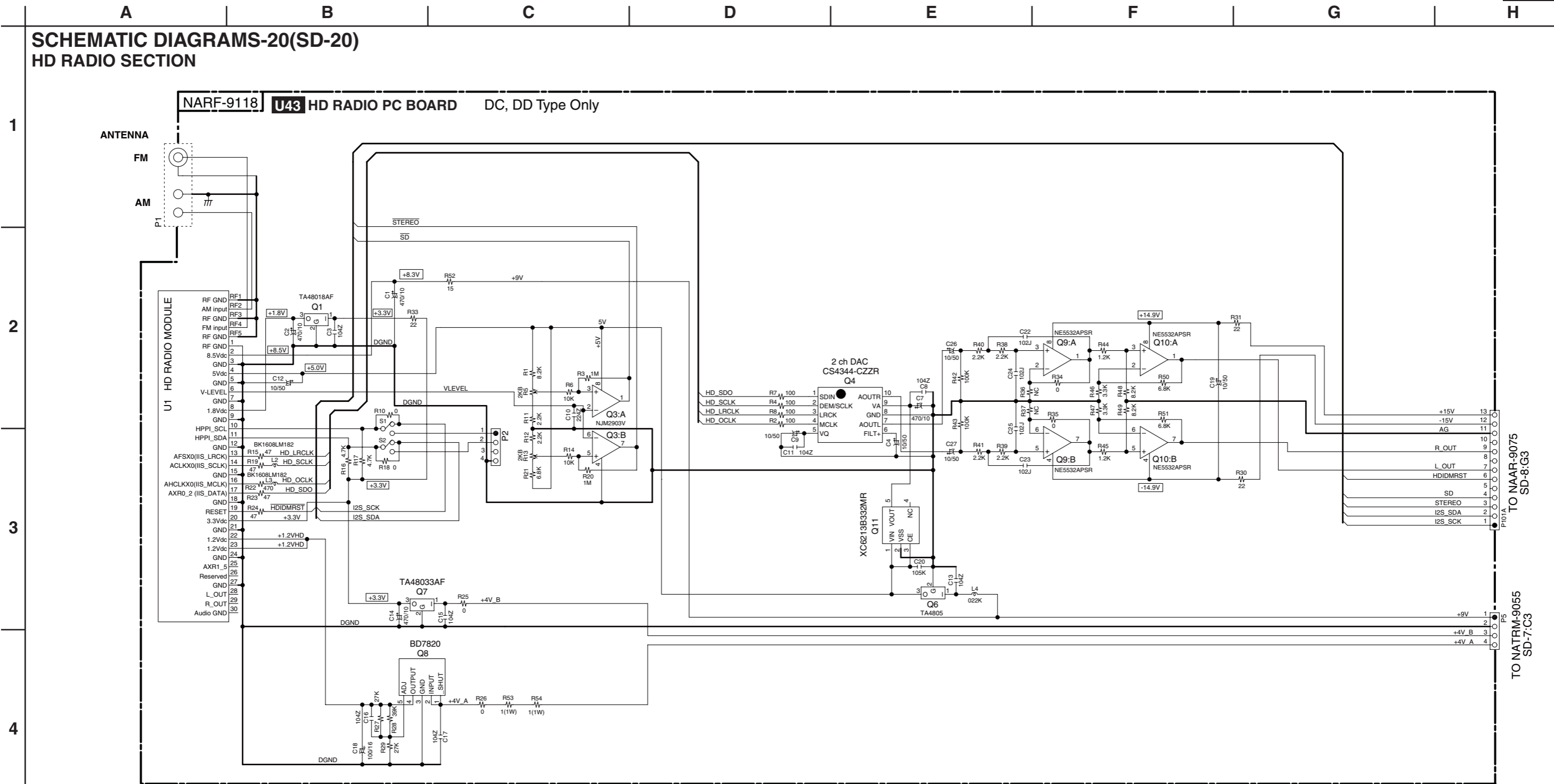


TO NAVD-9052 SD-6:F2  
TO NAVD-9075 SD-8:G1  
TO NADSP-9072 SD-10:B1

Note:  
Short TP1 before  
removing this board  
from unit.

TO NAVD-9052  
SD-6:H3

**SCHEMATIC DIAGRAMS-20(SD-20)**  
**HD RADIO SECTION**



<Note>  
SD-x:XY is short for Shcematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

- NOTE**
- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
  - VOLTAGE (MEASURED WITH VOLTMETER) 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 ( ) 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) PRINTING SIDE
  - CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

5