

# BLOCK DIAGRAMS-1 AUDIO SECTION

<http://receiverfaq.ru/>

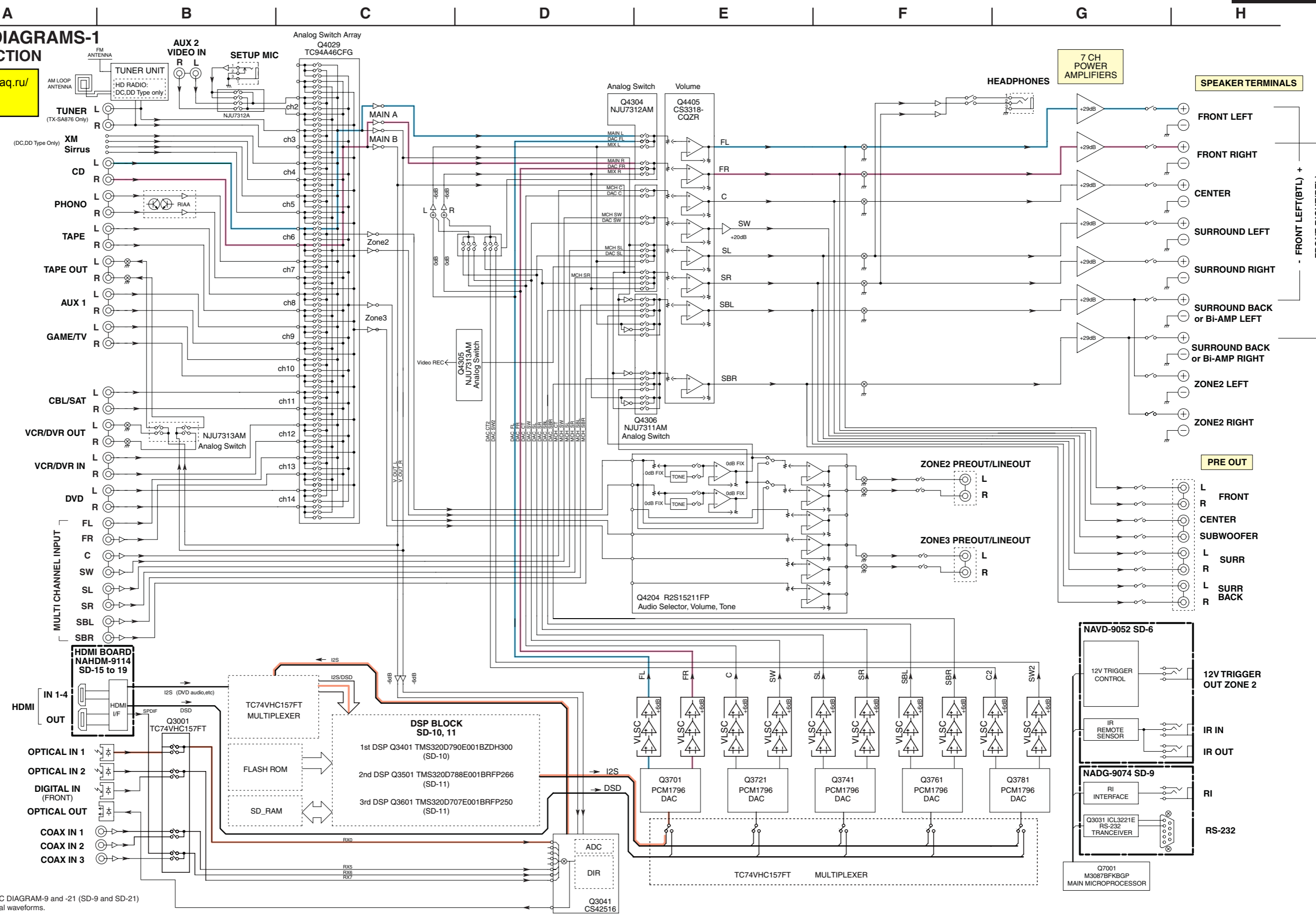
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<Note>  
Refer to SCHEMATIC DIAGRAM-9 and -21 (SD-9 and SD-21)  
for digital audio signal waveforms.

**BLOCK DIAGRAMS-2**  
**VIDEO SECTION**

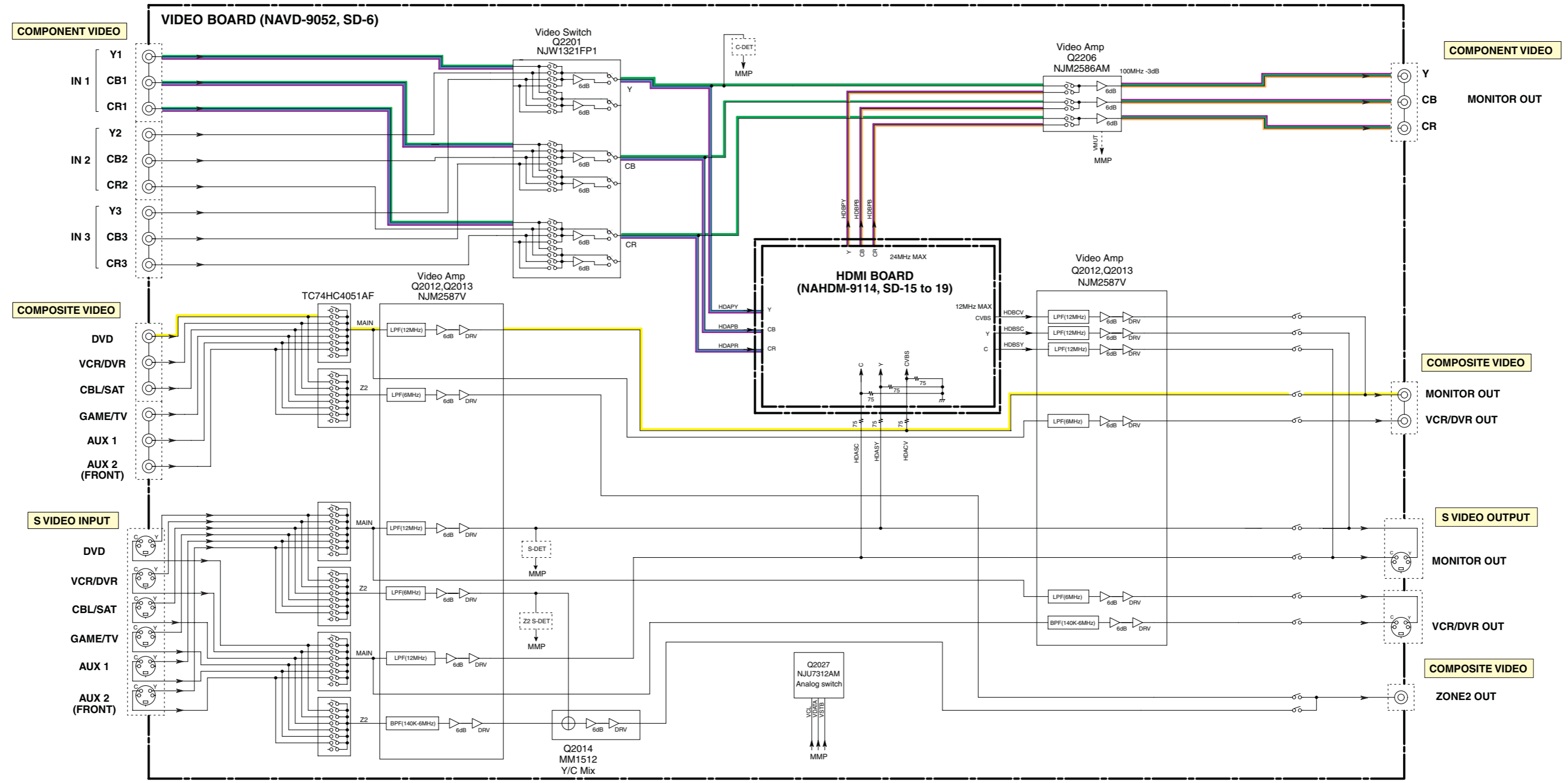
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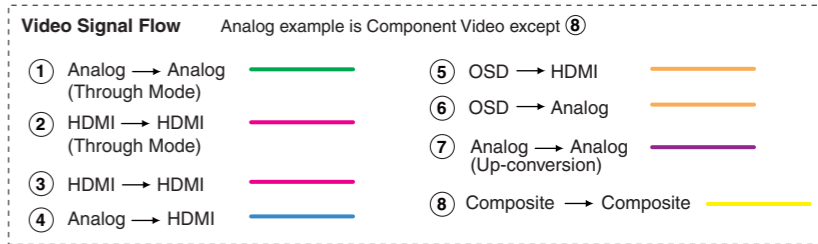
4

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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.









**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.

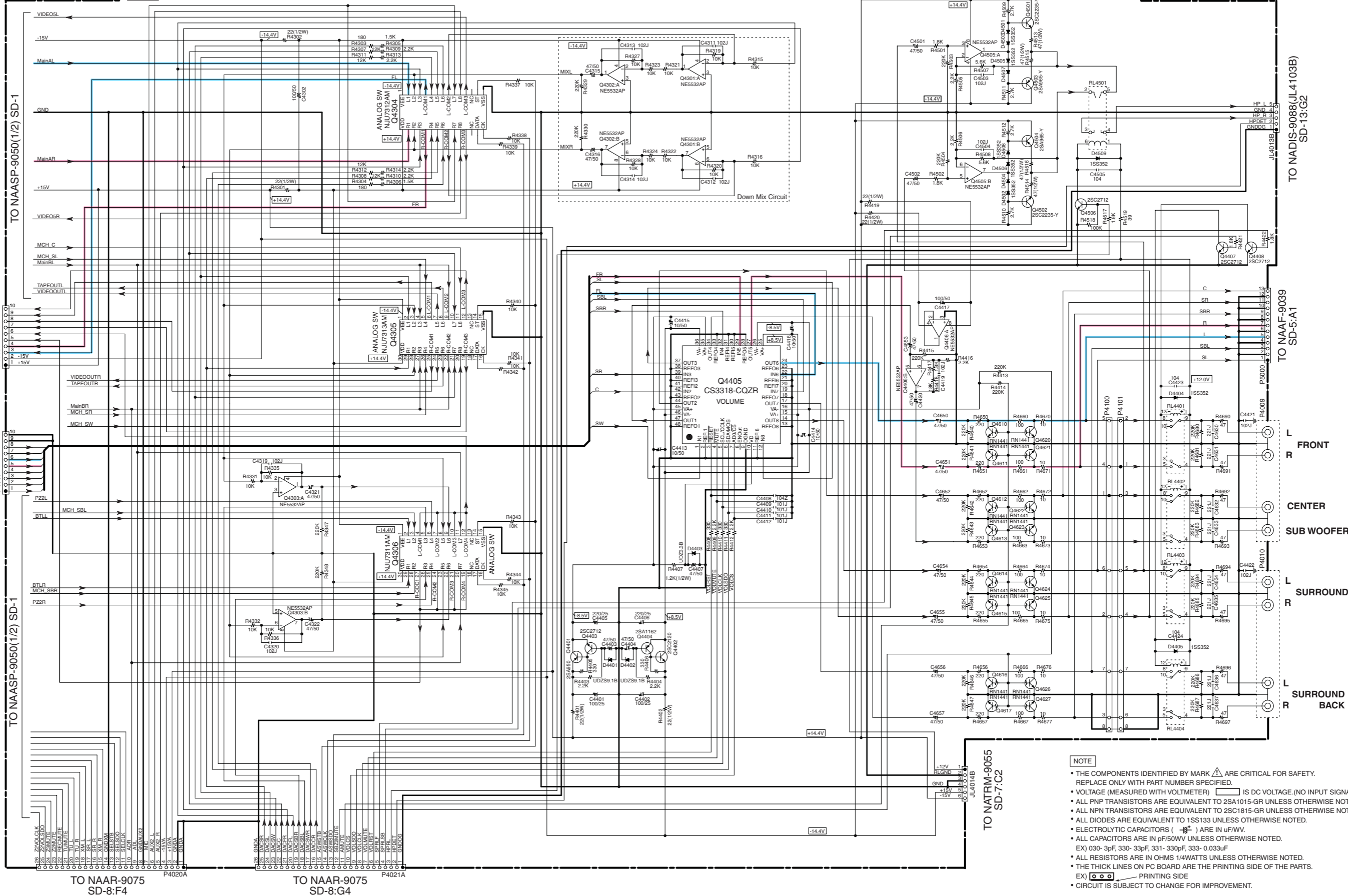
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- NOTE**
- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
  - VOLTAGE (MEASURED WITH VOLTMETER) IS DC VOLTAGE. (NO INPUT SIGNAL).
  - ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE 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 NAAR-9075 SD-8:F4

TO NAAR-9075 SD-8:G4

TO NATRM-9055 SD-7:C2

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

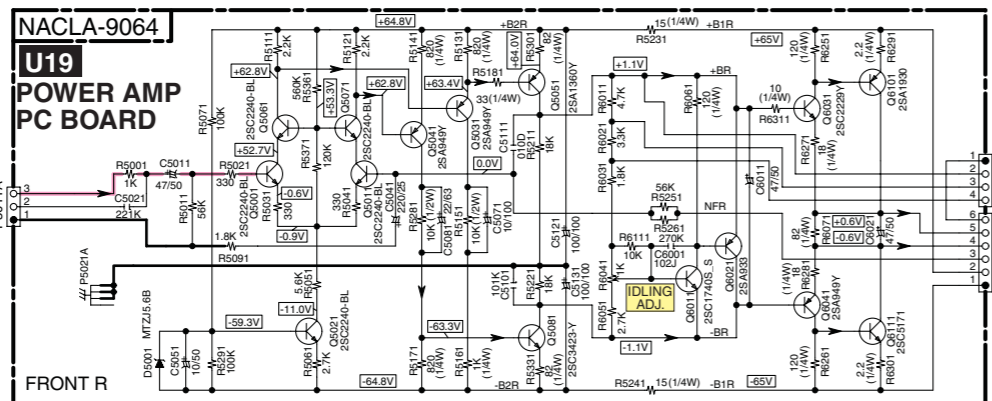
TO NAAF-9039 SD-5:A1

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

PRE OUT

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

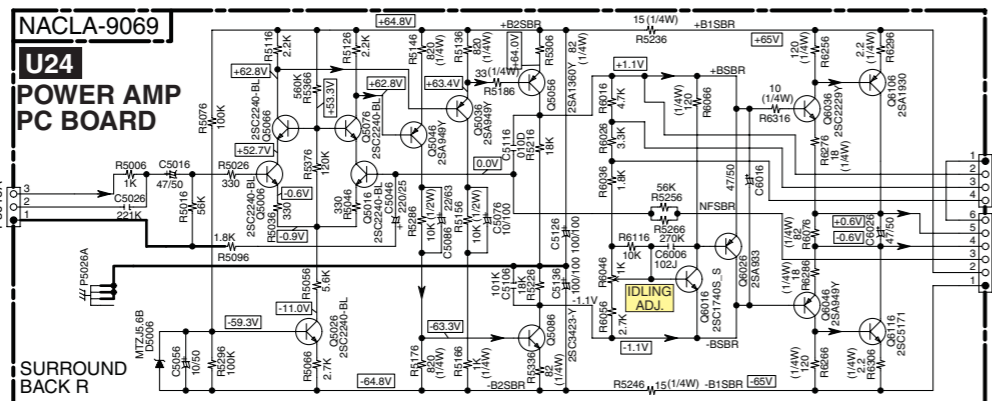
1



TO NAAF-9039  
SD-5:H3  
P5011A

TO NAAF-9039  
SD-5:H3  
P6011A

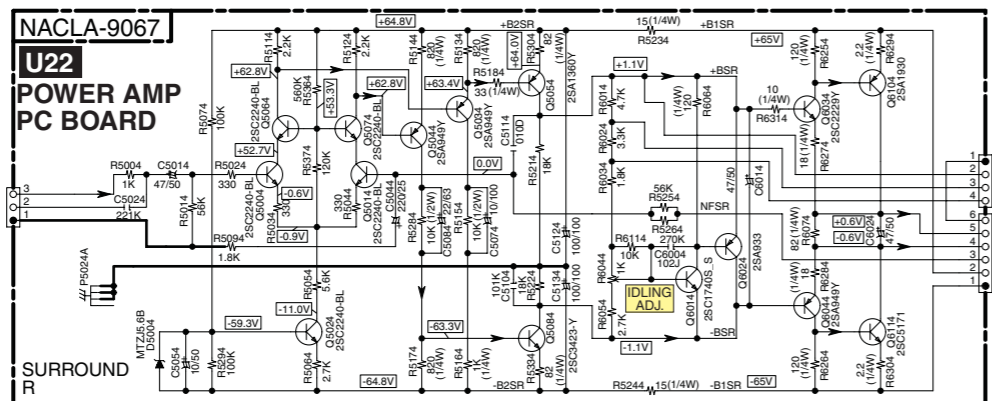
2



TO NAAF-9039  
SD-5:H2  
P5016A

TO NAAF-9039  
SD-5:H3  
P6016A

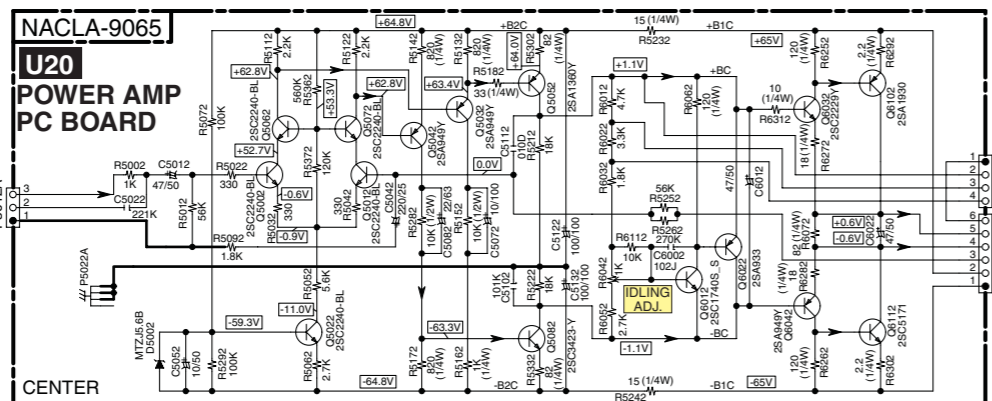
3



TO NAAF-9039  
SD-5:H4  
P5012A

TO NAAF-9039  
SD-5:H2  
P6012A

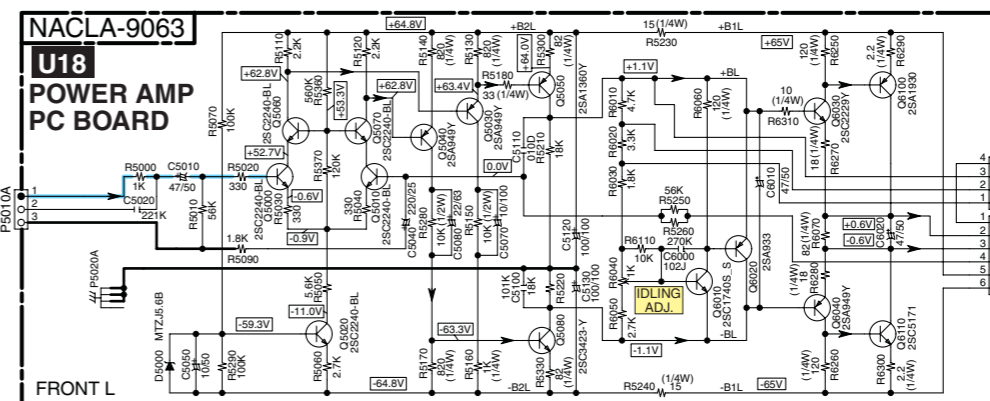
4



TO NAAF-9039  
SD-5:H1  
P5012A

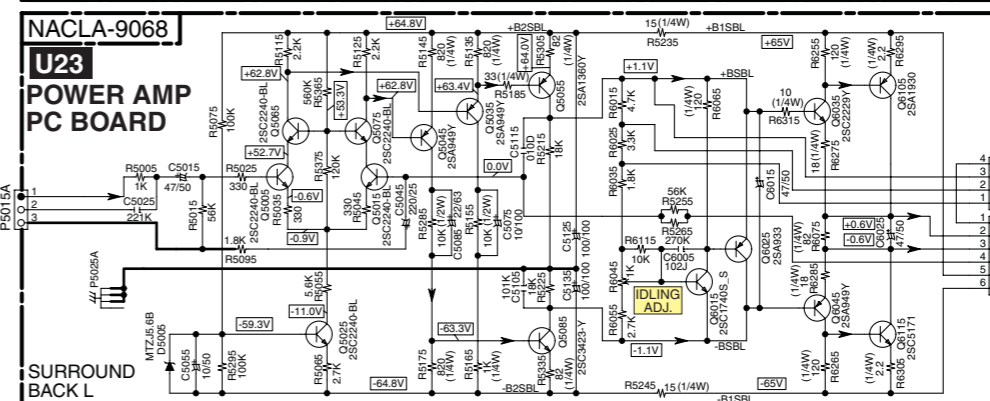
TO NAAF-9039  
SD-5:H1  
P6012A

5



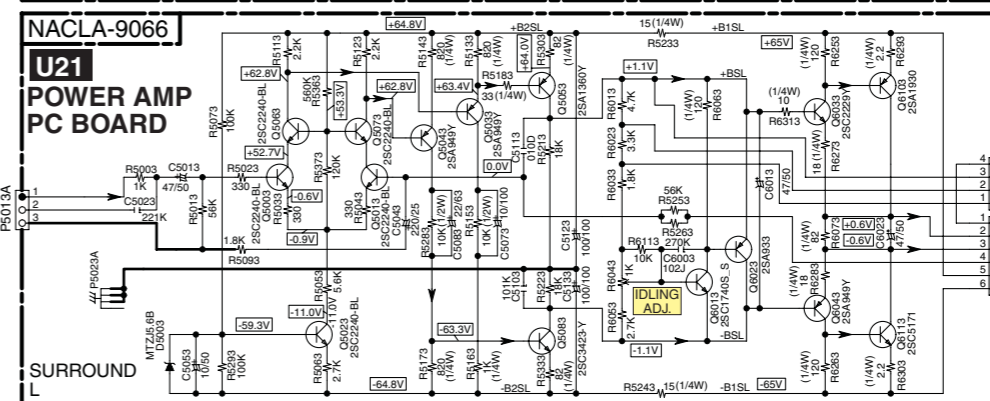
TO NAAF-9039  
SD-5:H4  
P5010A

TO NAAF-9039  
SD-5:H4  
P6010A



TO NAAF-9039  
SD-5:H4  
P5015A

TO NAAF-9039  
SD-5:H4  
P6015A



TO NAAF-9039  
SD-5:H5  
P5012A

TO NAAF-9039  
SD-5:H5  
P6012A

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

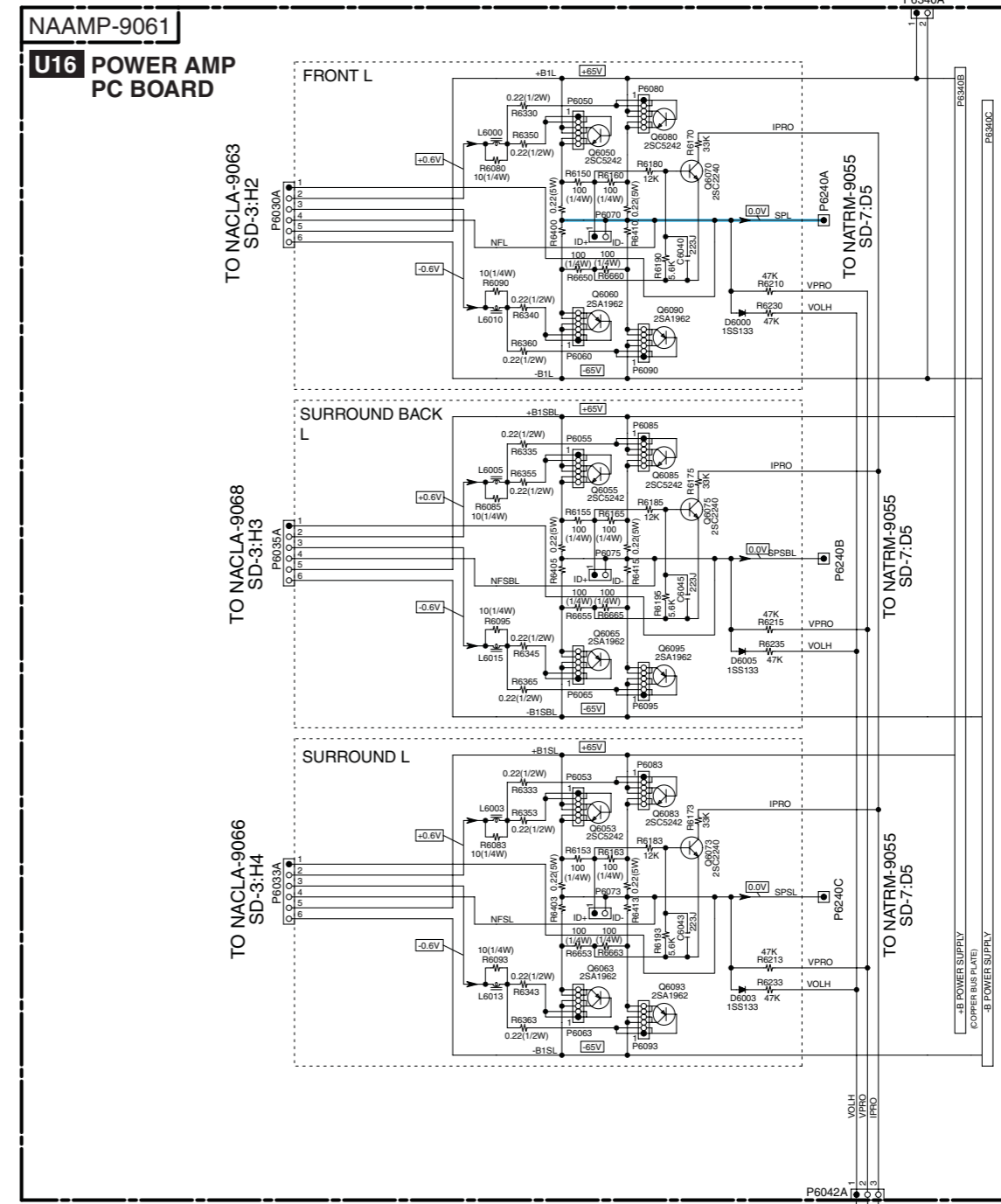
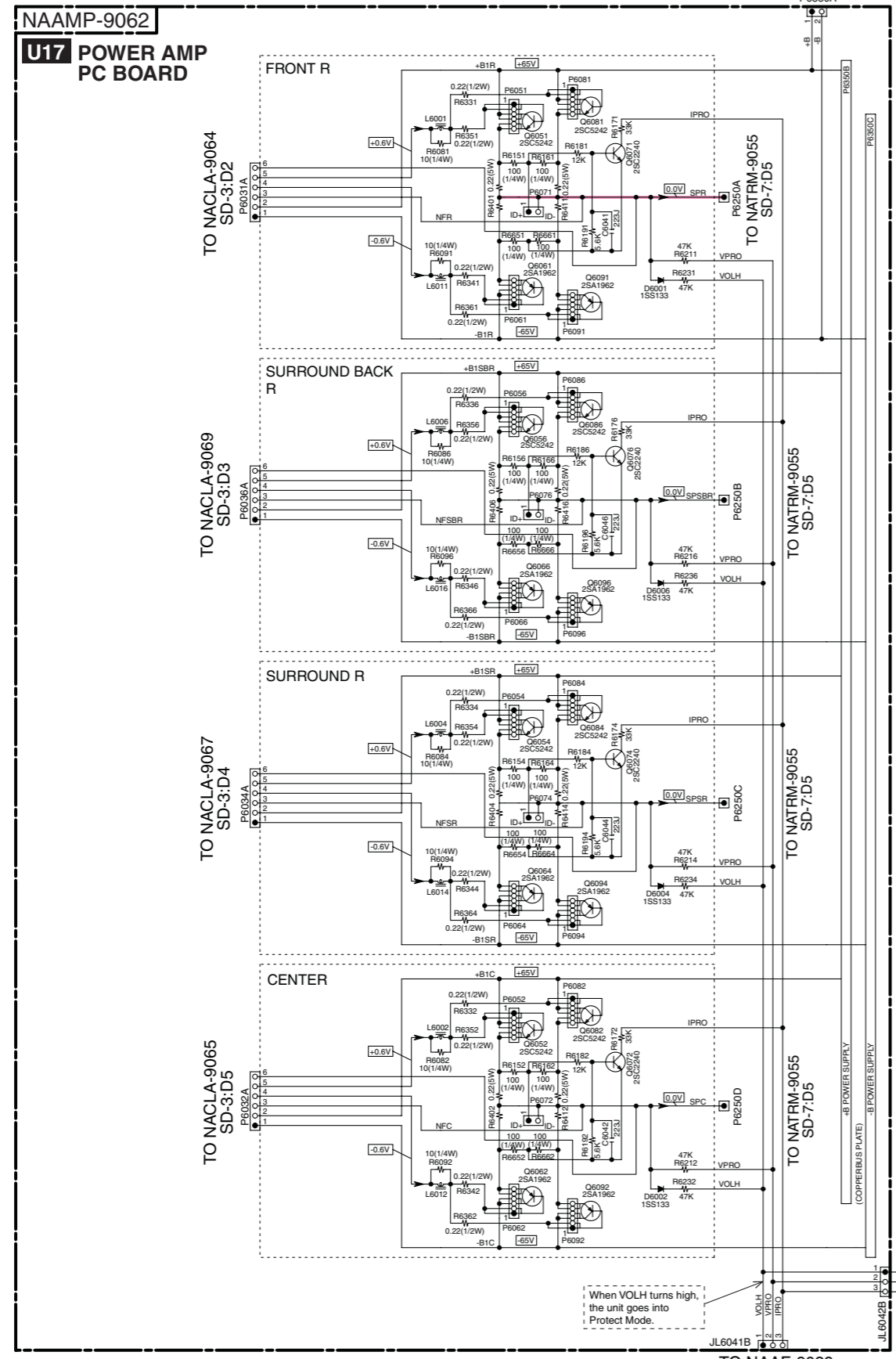
NACLA-9063,66,68  
are fully compatible with each other.

**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  $\mu\text{F}$ WW.
- 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-4 (SD-4)**  
**POWER AMPLIFIER SECTION-2**

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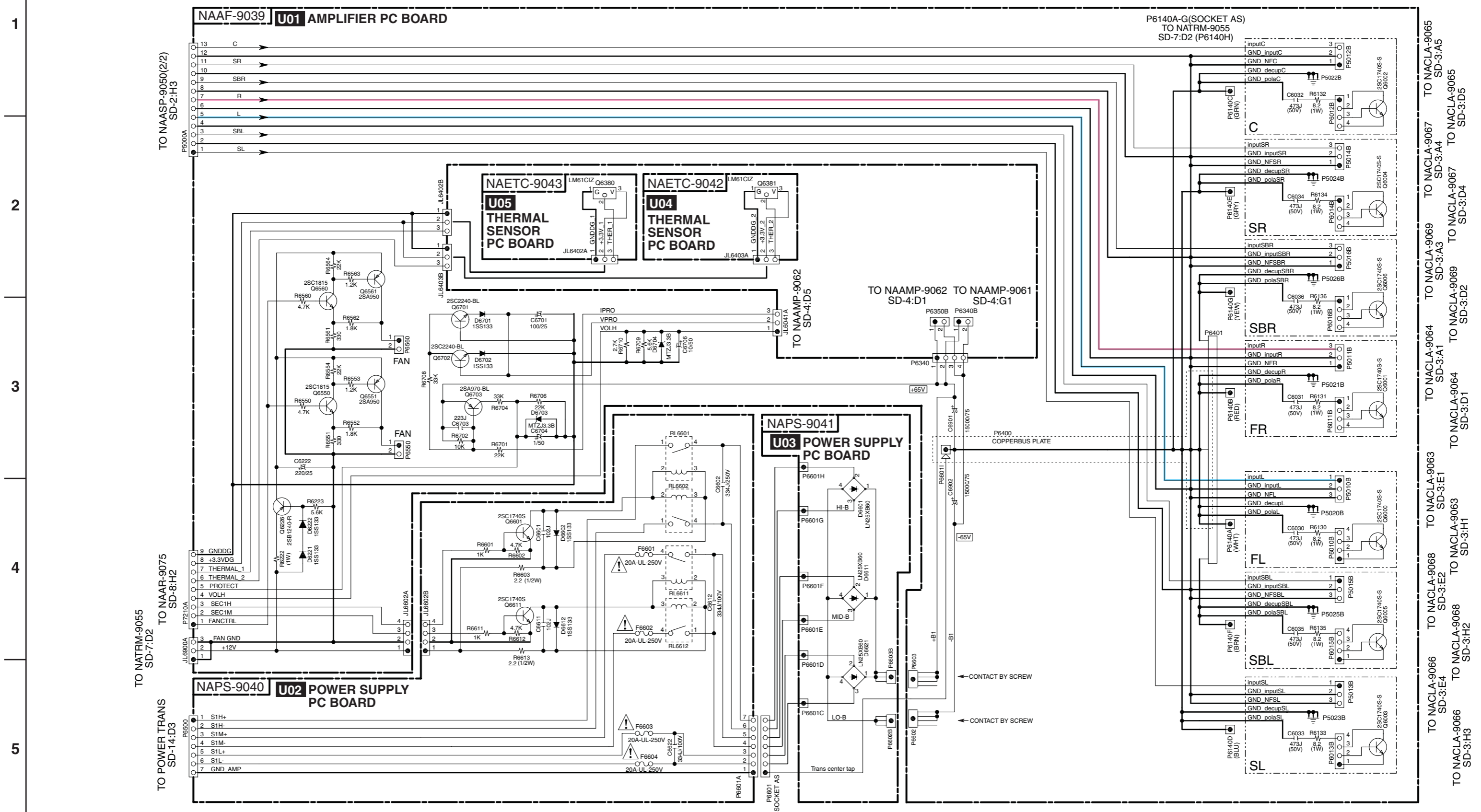
- NOTE**
- THE COMPONENTS IDENTIFIED BY MARK  $\Delta$  ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
  - VOLTAGE (MEASURED WITH VOLTMETER)  $\square$  IS DC VOLTAGE (NO INPUT SIGNAL).
  - ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
  - ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
  - ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
  - ELECTROLYTIC CAPACITORS (  $\text{---} \text{||} \text{---}$  ) 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>  
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.





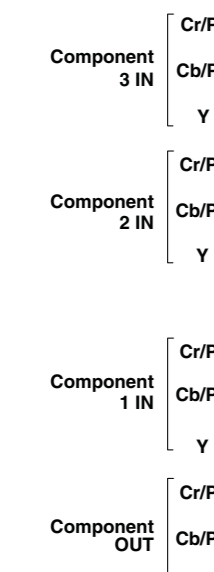
SCHEMATIC DIAGRAMS-6 (SD-6)  
VIDEO SECTION

TO NAAR-9075  
SD-8:G3

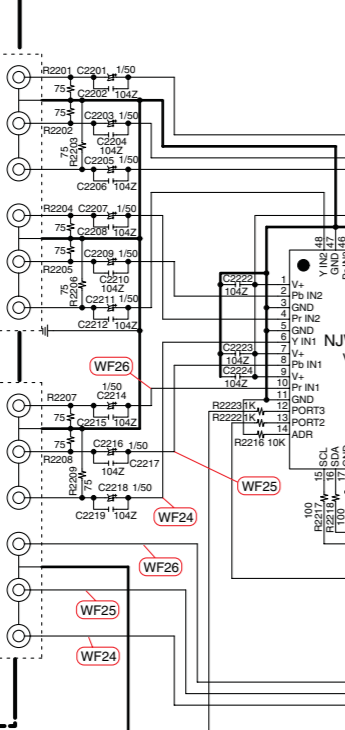
<Note>  
SD-x:XY is short for Schematic Diagram-x and  
each socket's location, X=A to H, Y=1 to 5.

1  
2  
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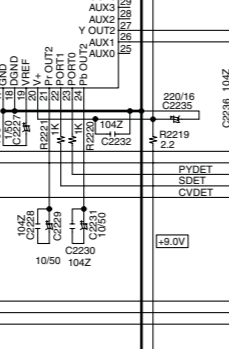
COMPONENT VIDEO



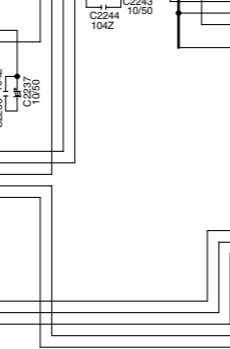
NAVD-9052  
U08 VIDEO PC BOARD



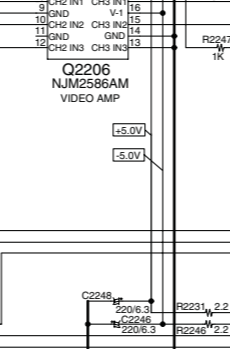
Q2201  
NJW1321FP1  
VIDEO SW



Q2206  
NJM2586AM  
VIDEO AMP

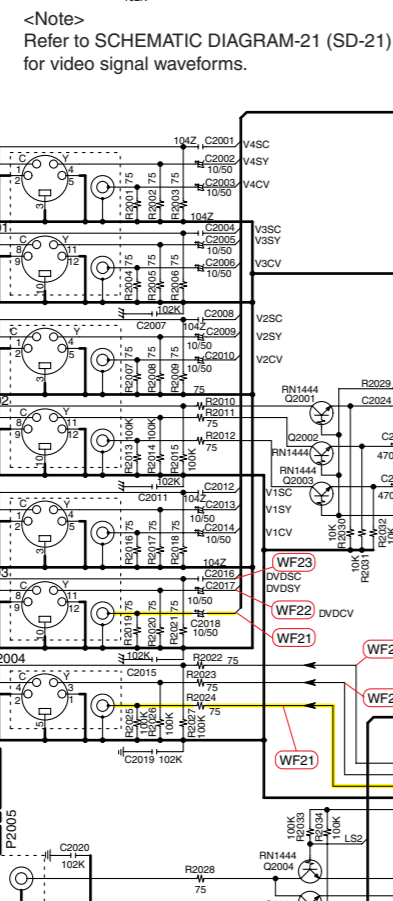
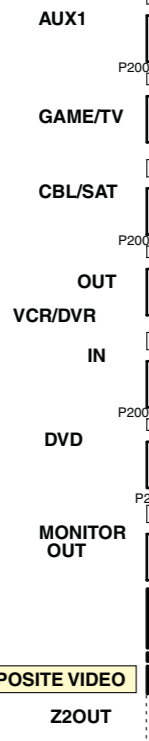


Q2207  
NJU7312AM  
ANALOG SW

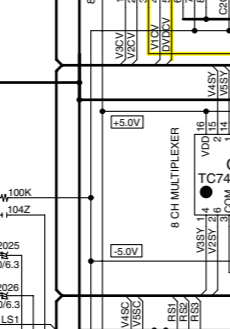


<Note>  
Refer to SCHEMATIC DIAGRAM-21 (SD-21)  
for video signal waveforms.

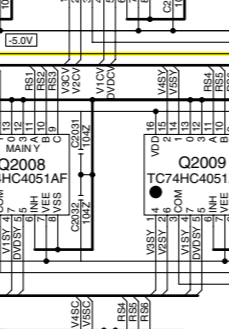
S VIDEO



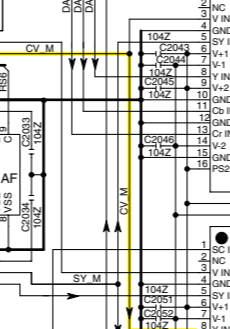
Q2006  
TC74HC4051AF  
8 CH MULTIPLEXER



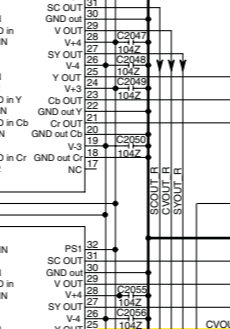
Q2007  
TC74HC4051AF  
8 CH MULTIPLEXER



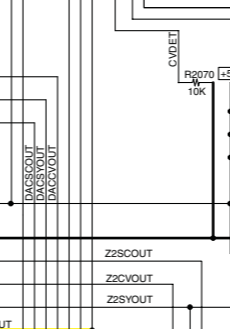
Q2008  
TC74HC4051AF  
8 CH MULTIPLEXER



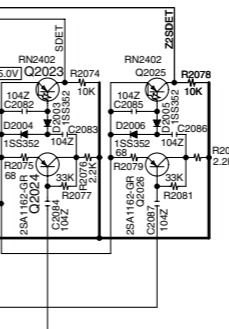
Q2009  
TC74HC4051AF  
8 CH MULTIPLEXER



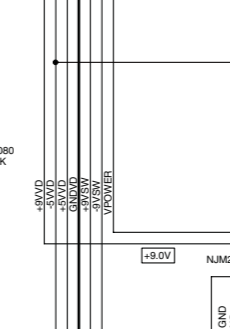
Q2010  
TC74HC4051AF  
8 CH MULTIPLEXER



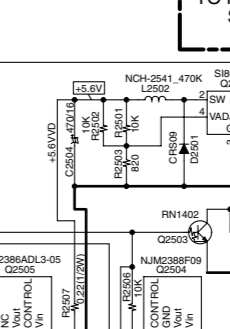
Q2011  
TC74HC4051AF  
8 CH MULTIPLEXER



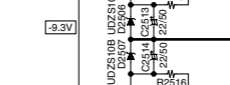
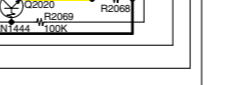
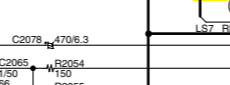
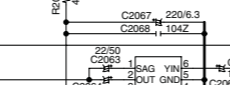
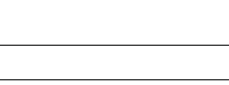
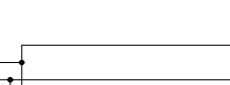
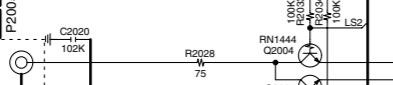
Q2013  
NJM2587V  
VIDEO AMP



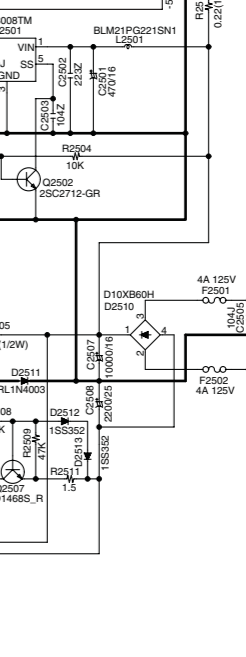
Q2014  
MM1512 Y/C Mix



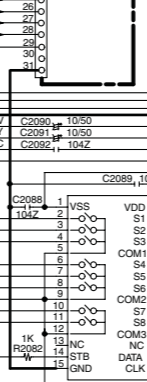
COMPOSITE VIDEO



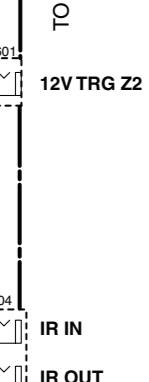
TO NAHDM-9114  
SD-19:G5



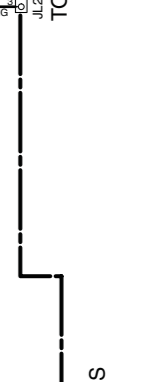
TO NAHDM-9114(5/5)  
SD-16:H3



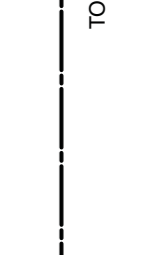
TO NAASP-9057  
SD-14:D2



TO NATRM-9055  
SD-7:C2



TO POWER TRANS  
SD-14:D4



12V TRG Z2

IR IN

IR OUT

SEC2

SEC3

SEC4

SEC5

SEC6

SEC7

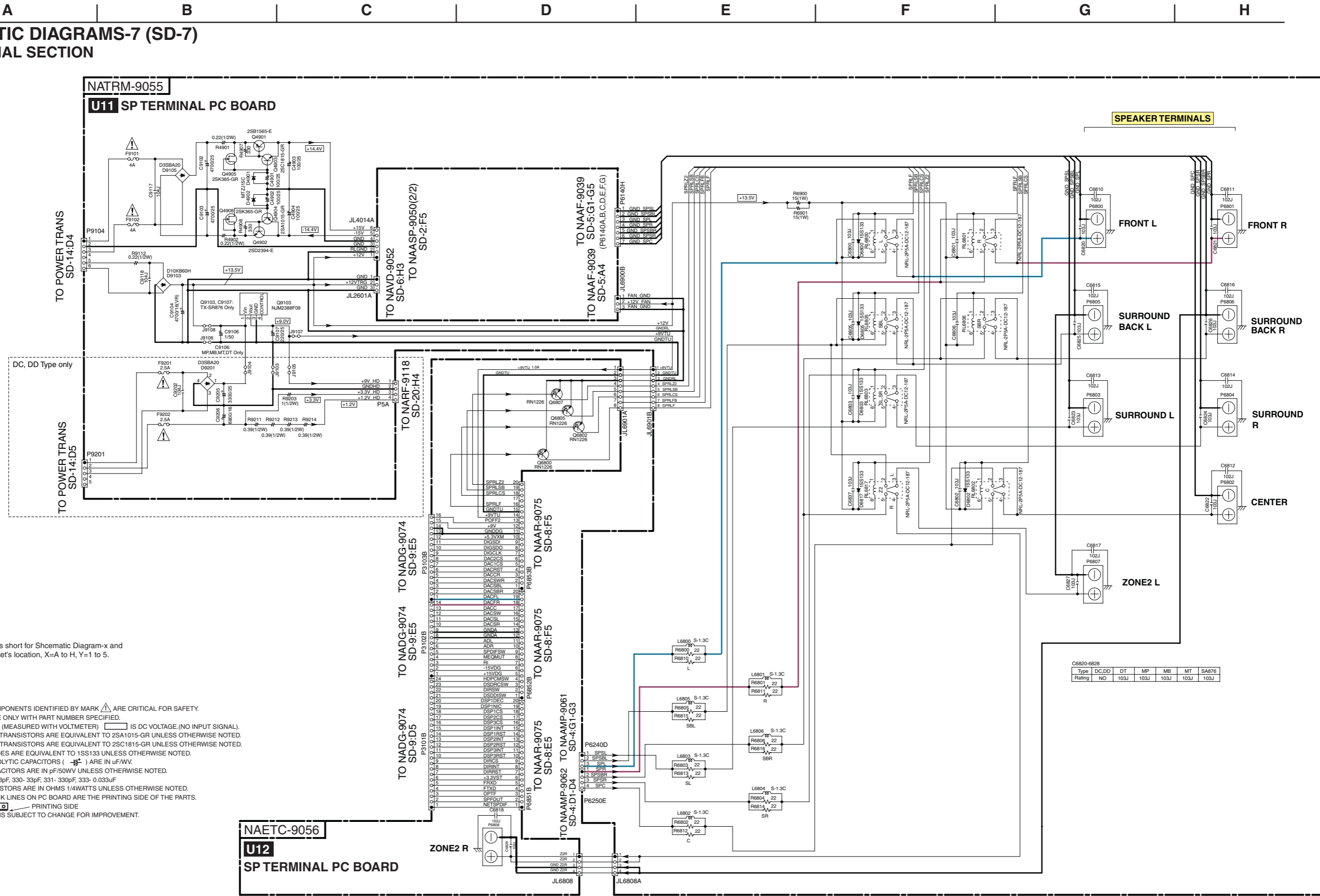
SEC8

SEC9

SEC10

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

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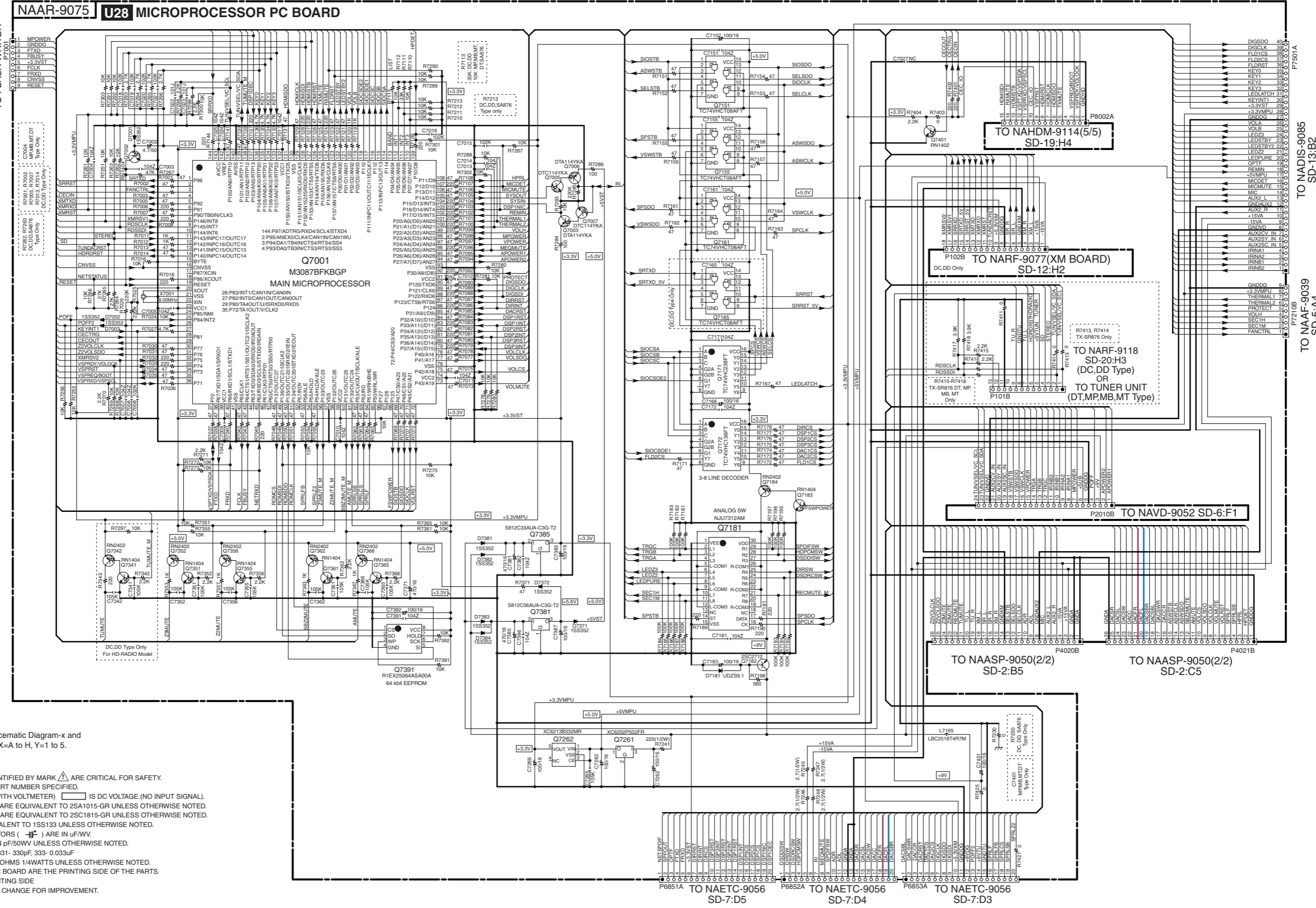


<Note>  
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

- 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 ( $\text{---}||\text{---}$ ) ARE IN  $\mu\text{F/WV}$ .
  - ALL CAPACITORS ARE IN  $\mu\text{F}/50\text{WV}$  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.

Type	DC,DD	DT	MP	MB	MT	SA876
Rating	NO	103J	103J	103J	103J	103J

SCHMATIC DIAGRAMS-8 (SD-8) MICROPROCESSOR SECTION



<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 µF/WV.
- ALL CAPACITORS ARE IN pF/50VWV UNLESS OTHERWISE NOTED.  
EX) 030-3pF, 330-33pF, 331-330pF, 333-0.033µF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.  
EX) [Symbol] PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.









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

1

NADSP-9072(2/2)

**U25 DSP PC BOARD**

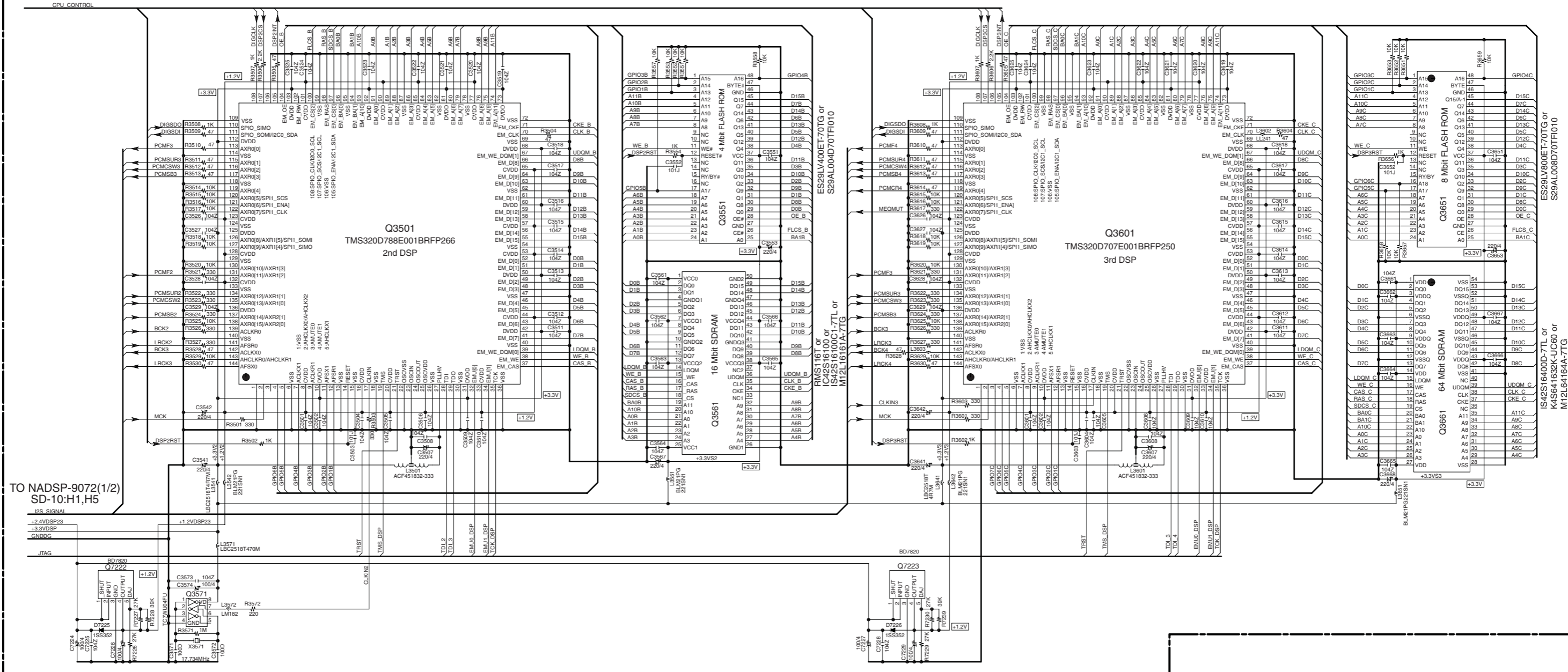
TO NADSP-9072(1/2)  
SD-10:H1

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- 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**

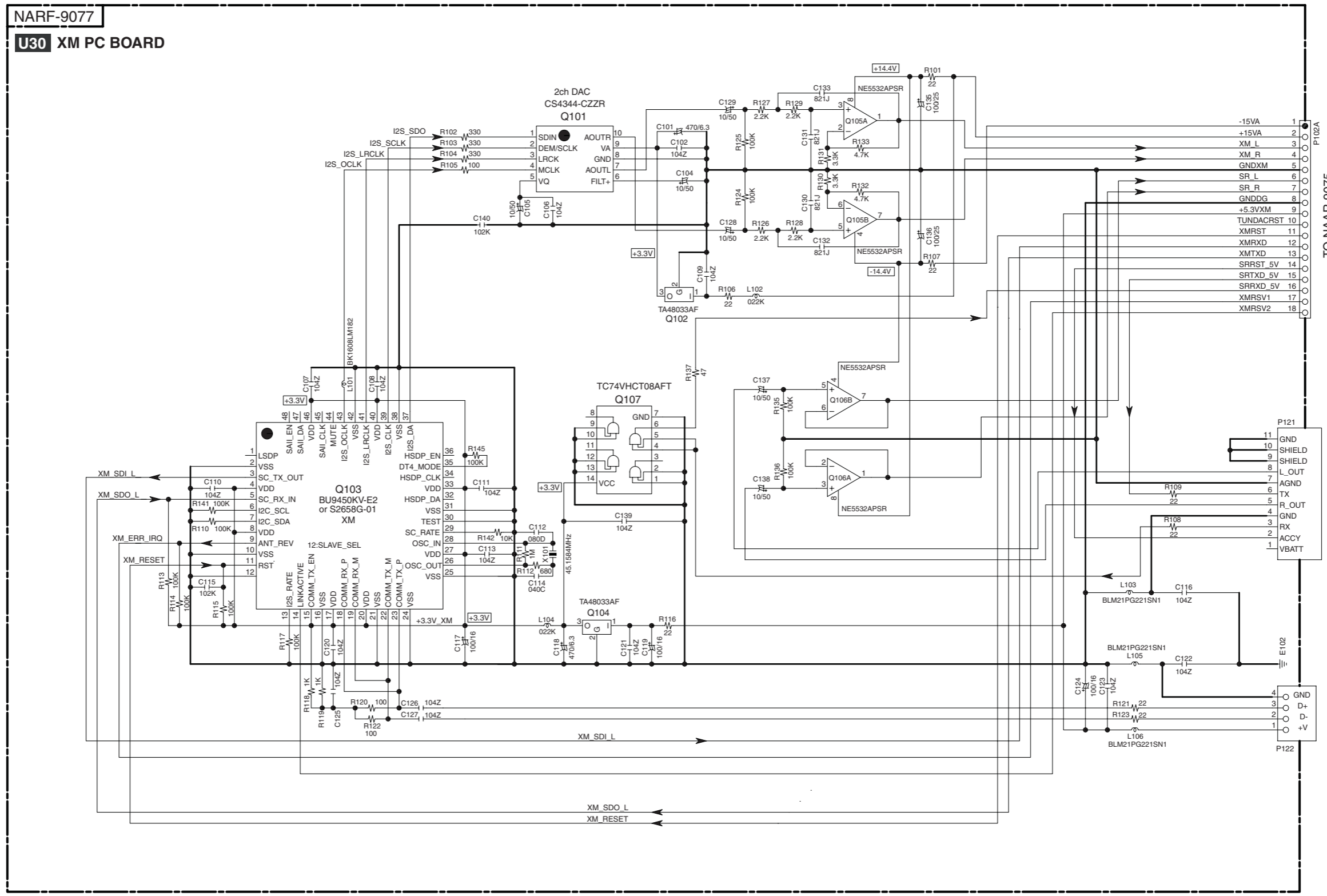
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<Note>  
SD-x:XY is short for Schematic Diagram-x and  
each socket's location, X=A to H, Y=1 to 5.

# 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 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.

2

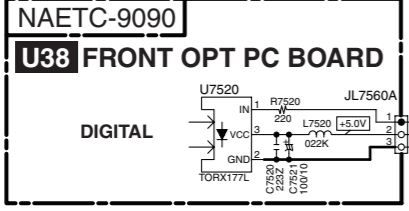
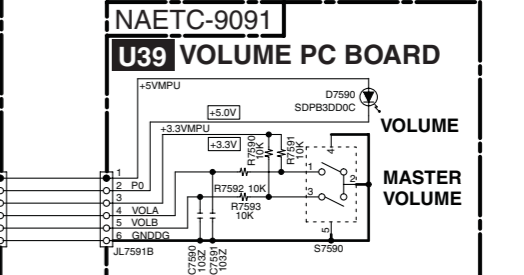
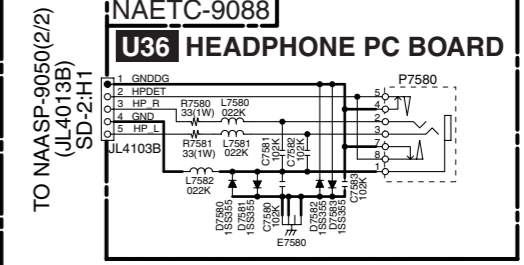
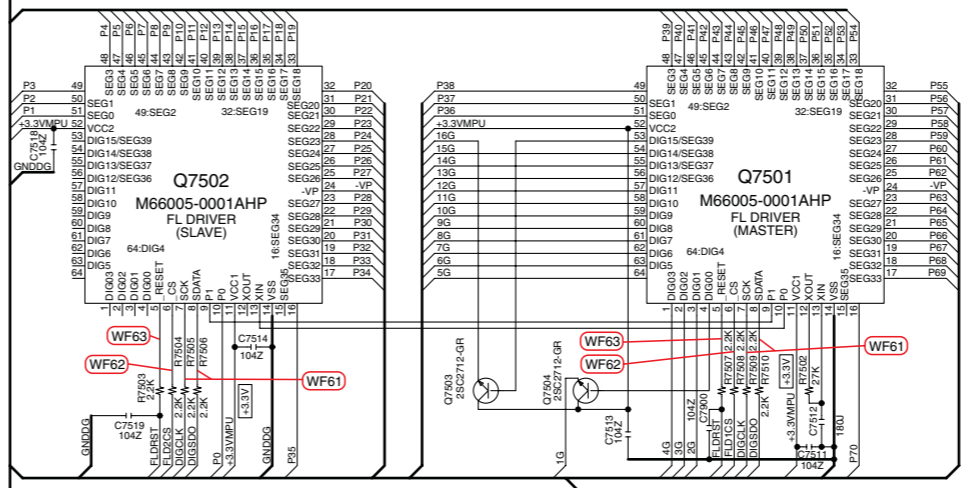
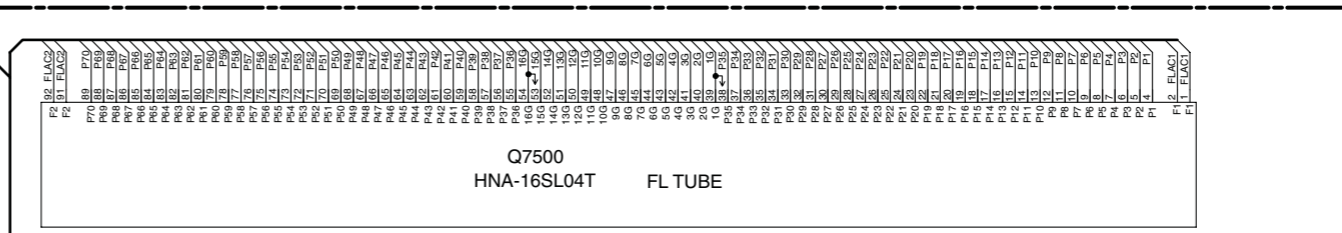
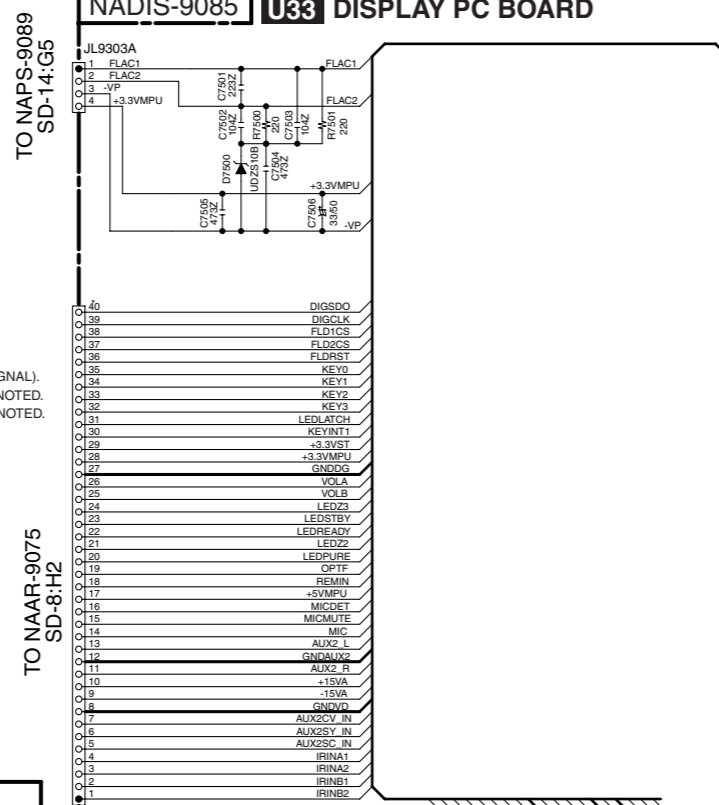
<Note>  
Refer to SCHEMATIC DIAGRAM-21 (SD-21) for FL driver IC control waveforms.

3

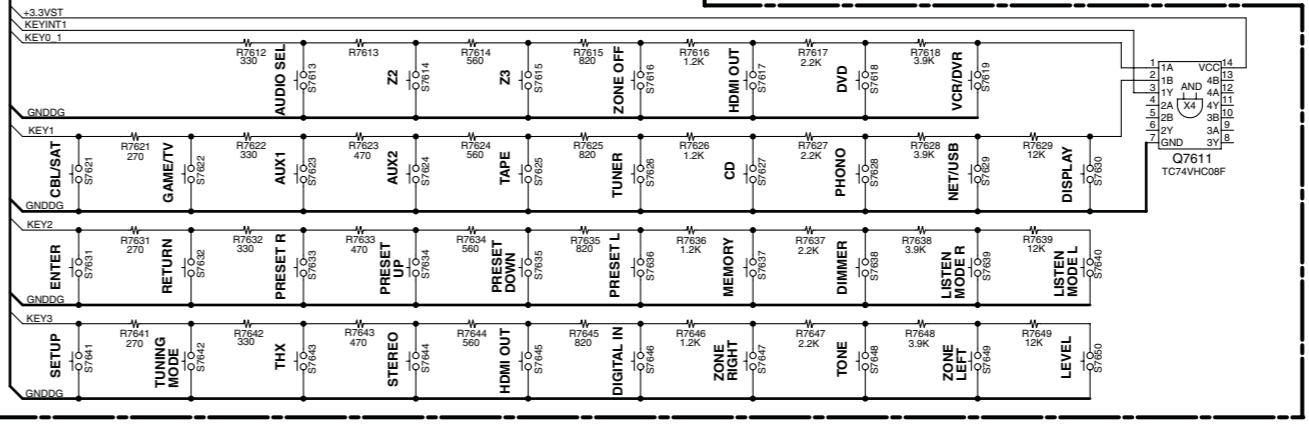
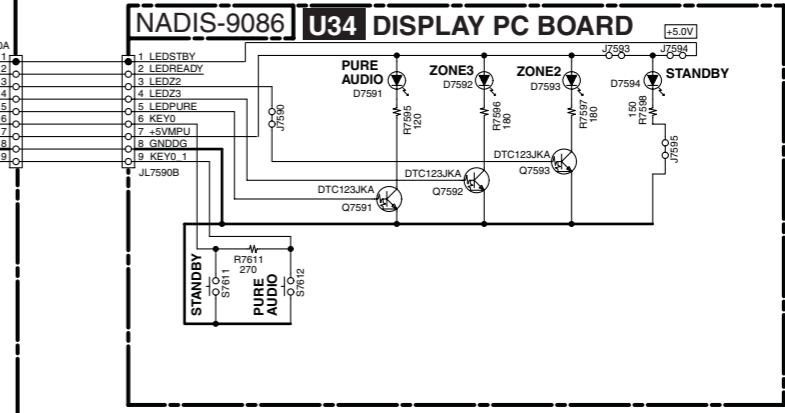
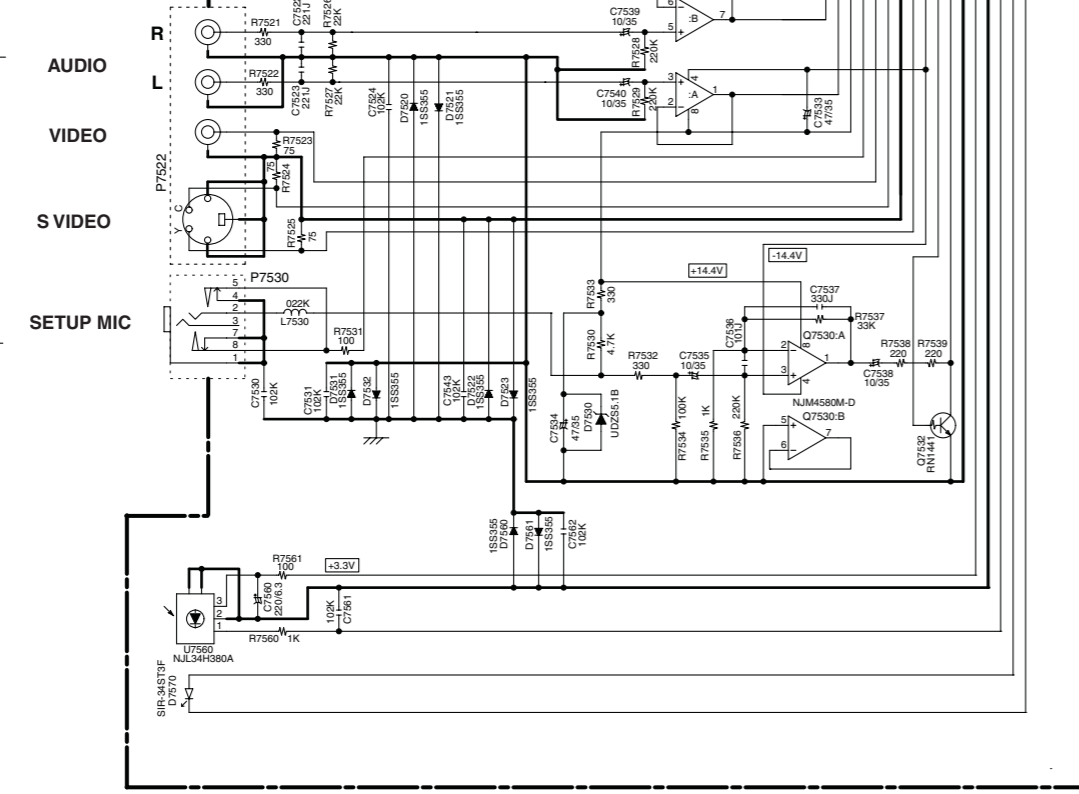
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## NADIS-9085 U33 DISPLAY PC BOARD



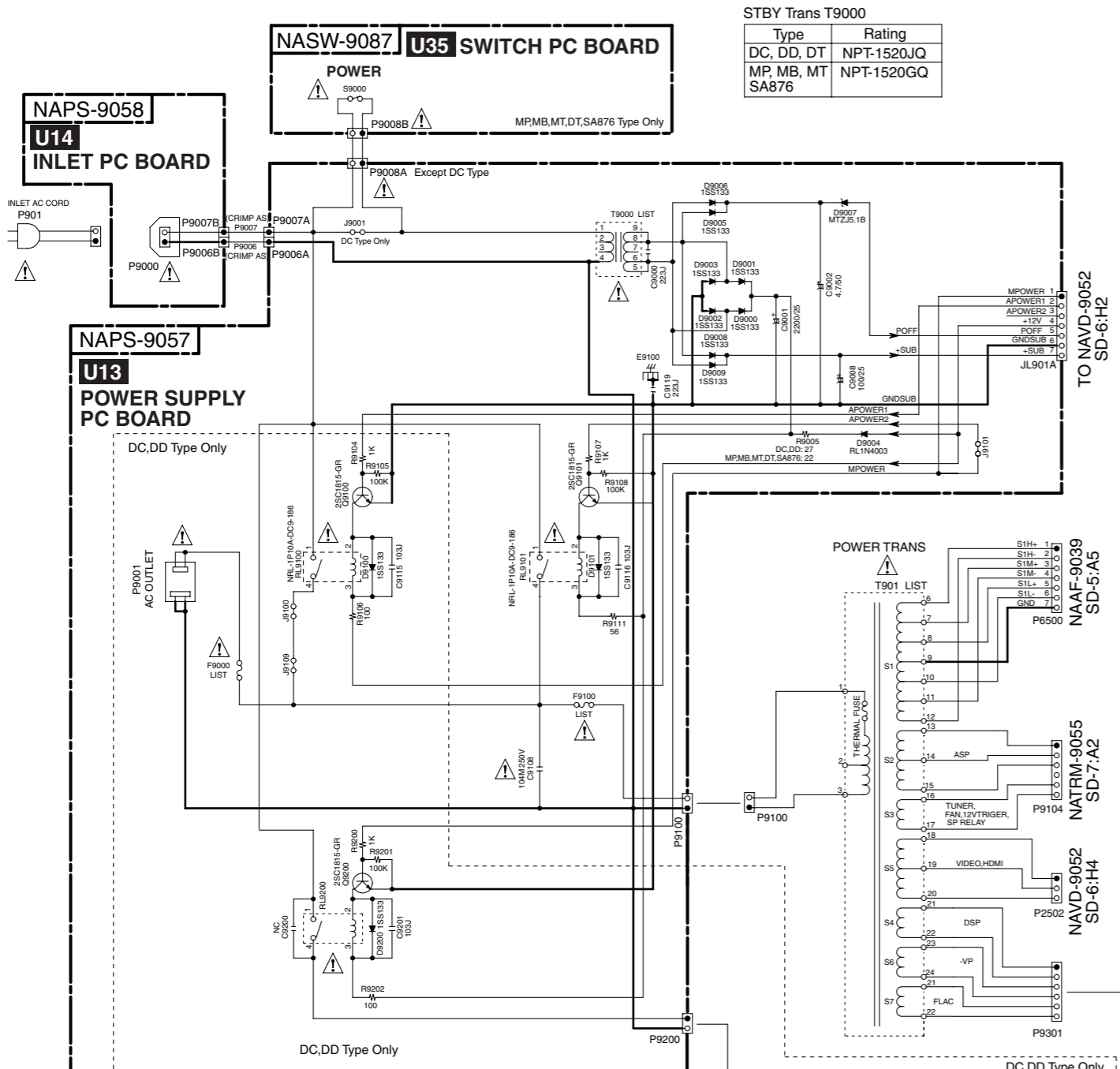
AUX 2 INPUT (FRONT)



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

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

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STBY Trans T9000

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

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

**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  $\mu\text{F}/\text{V}$ .
- 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.

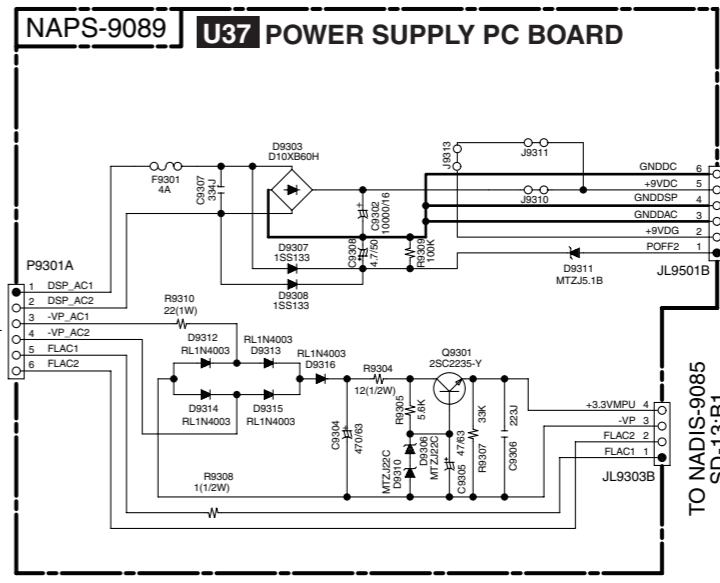
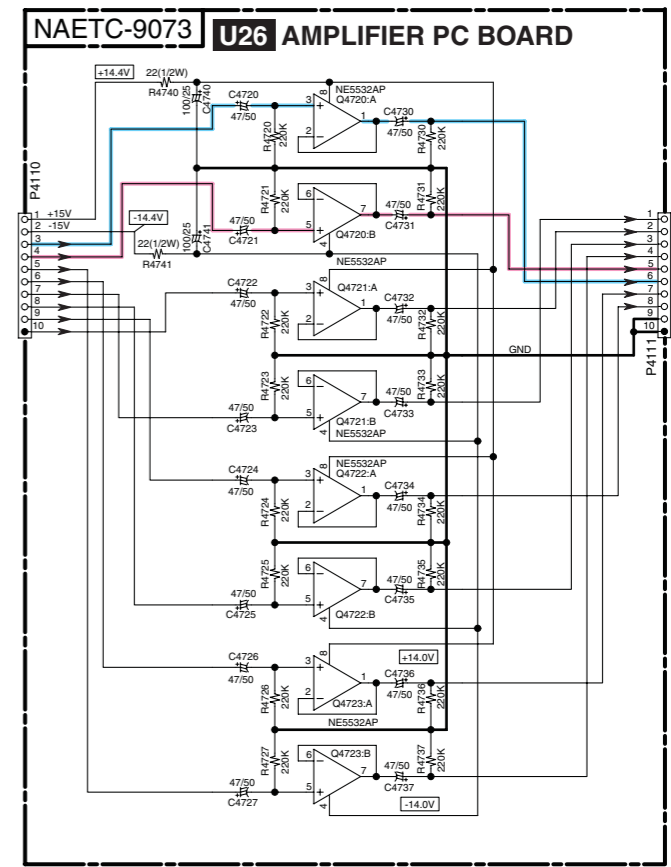
**CAUTION**

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.

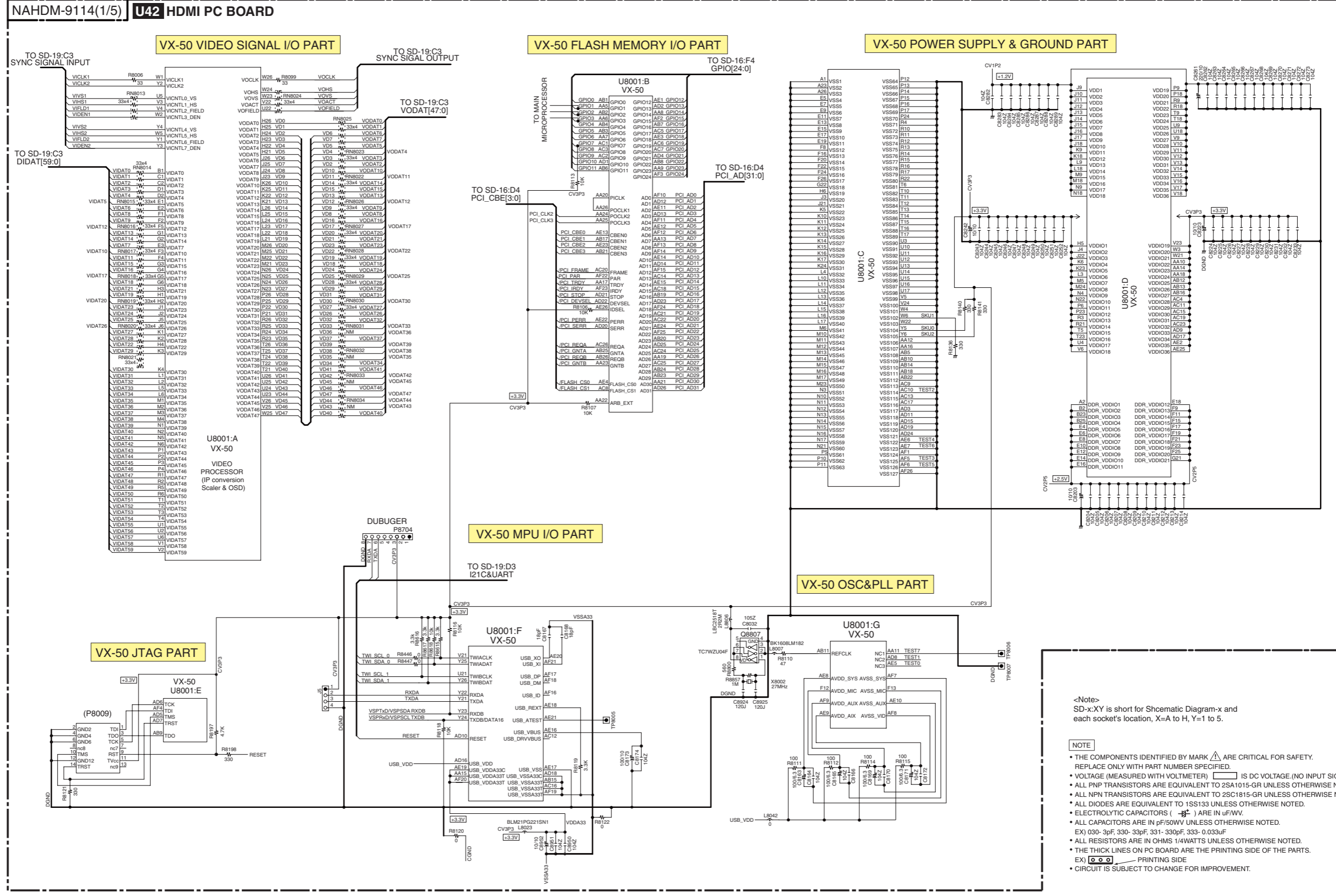
THIS SYMBOL LOCATED NEAR THE FUSE INDICATES THAT THE FUSE USED IS SLOW OPERATING TYPE FOR CONTINUED PROTECTION AGAINST FIRE HAZARD. REPLACE WITH SAME TYPE FUSE. FOR FUSE RATING REFER TO THE MAKING ADJACENT TO THE SYMBOL.

CE SYMBOLE INDIQUE QUE LE FUSIBLE UTILISE EST A LENT, ET POUR UNE PROTECTION PERMANENTE, UTILISER QUE DES FUSIBLES DE MEME TYPE. CE DERNIER EST INDIQUE LA QU LE PRESENT SYMBOLE EST APPOSE.





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.

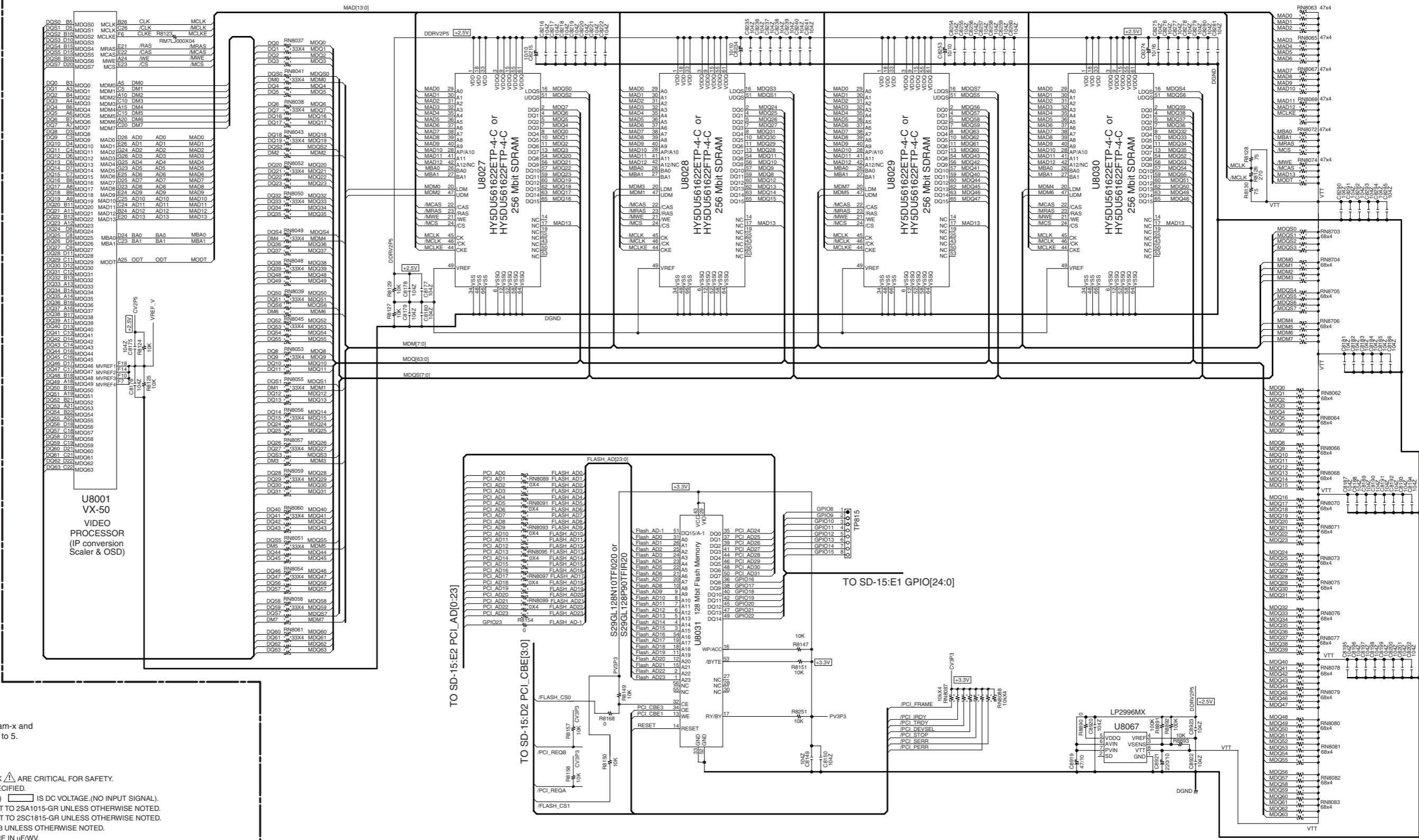
NOTE

- THE COMPONENTS IDENTIFIED BY MARK  $\Delta$  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- 0.033uF
- 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.

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

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



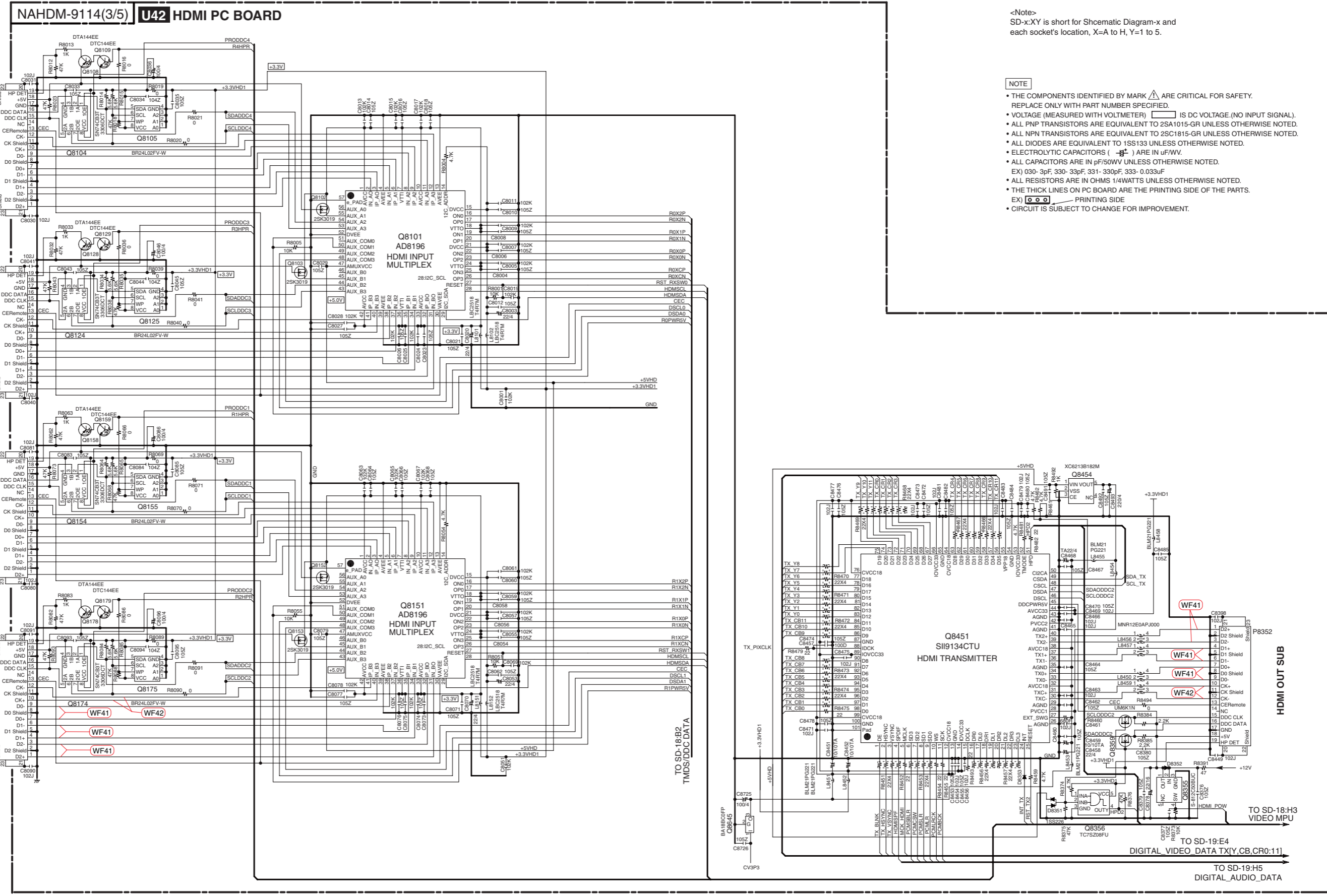
<Note>  
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

**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 µF/WV.
- ALL CAPACITORS ARE IN pF/50V UNLESS OTHERWISE NOTED.  
EX) 030- 3pF, 330- 33pF, 331- 330pF, 333- 0.033µF.
- 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

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<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.
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
- EX)  $\square$  030- 3pF, 330- 33pF, 331- 330pF, 333- 0.033 $\mu$ F
- ALL CAPACITORS ARE IN pF/50WV 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.

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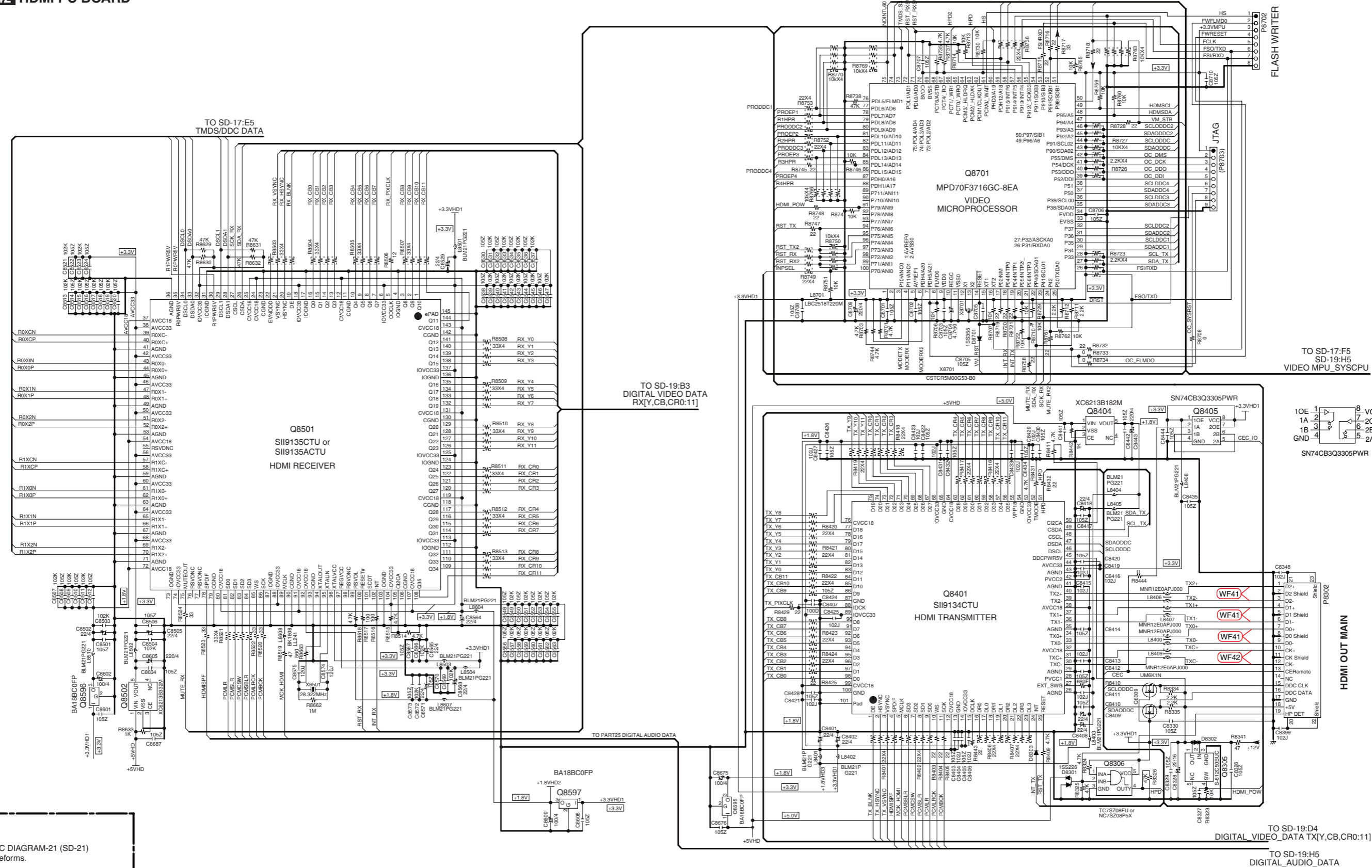
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NAHDM-9114(4/5)

U42 HDMI PC BOARD



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

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.

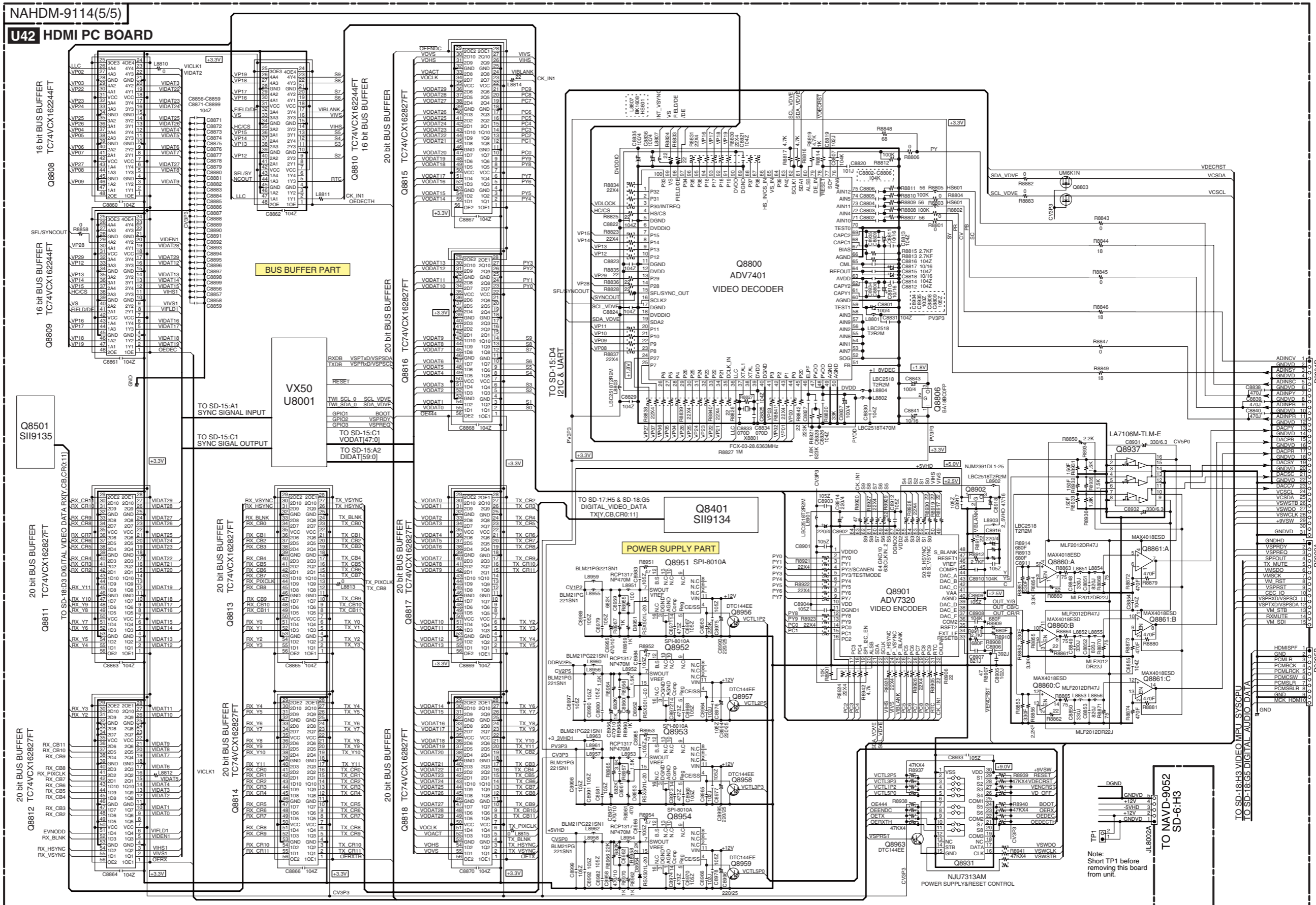
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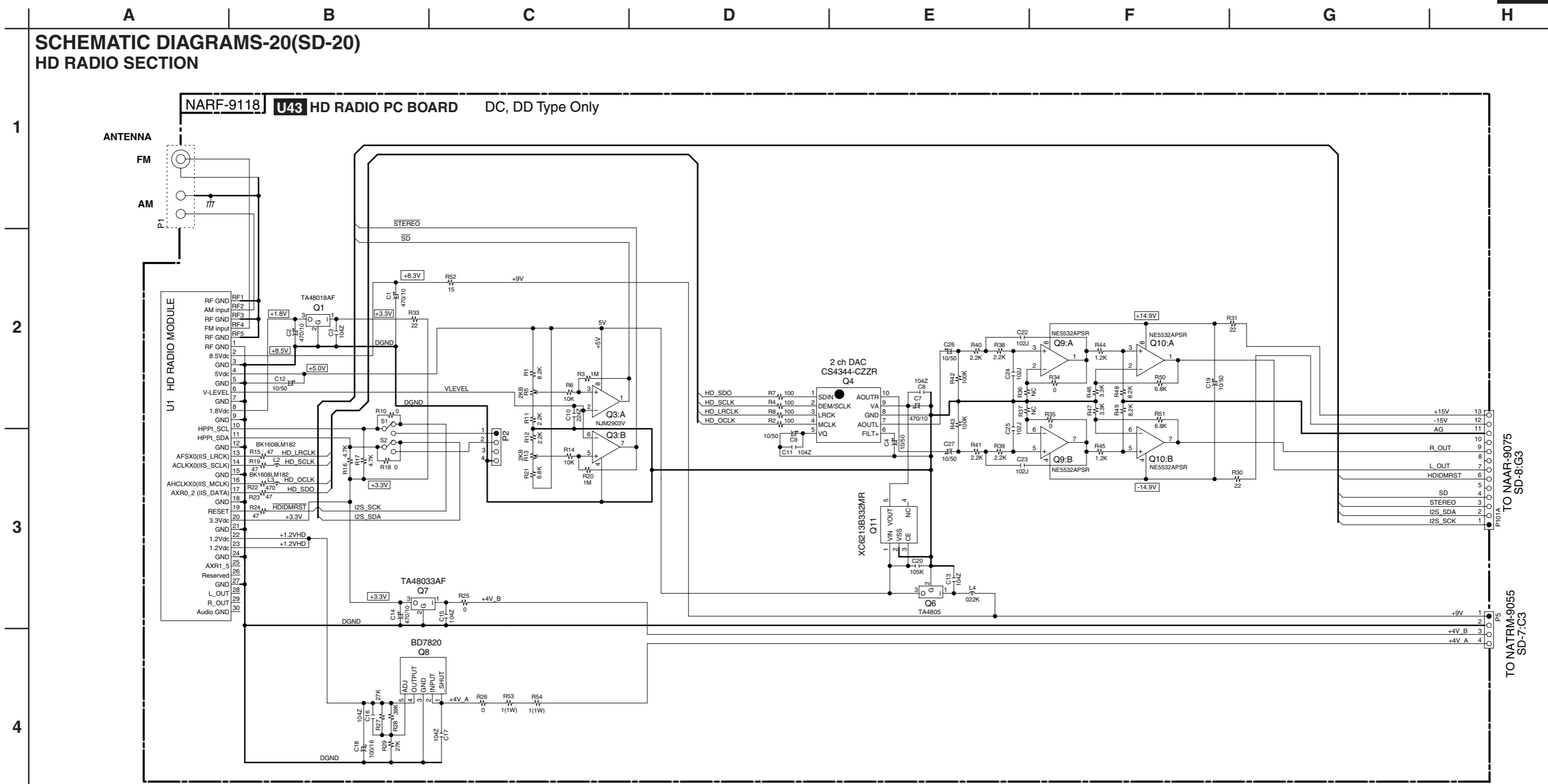


TO NAVD-9052 SD-6:F2  
TO NAVD-9072 TO NAAR-9075 SD-8:G1  
TO NADSP-9072 TO SD-10:B1  
TO SD-18:H3 VIDEO MPU SYS CPU  
TO SD-18:G5 DIGITAL AUDIO DATA

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.

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