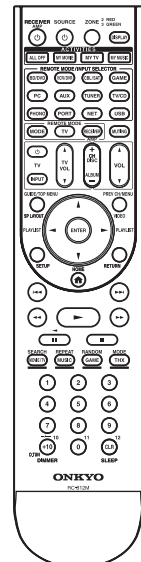
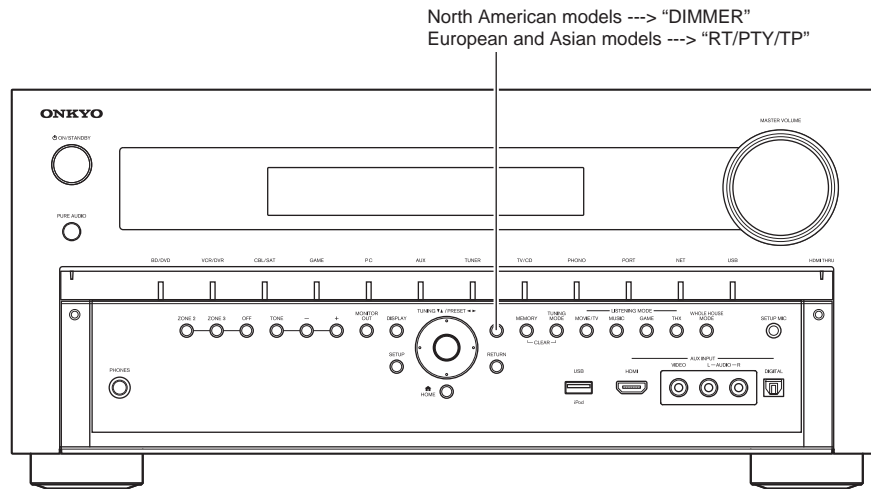


ONKYO® SERVICE MANUAL

AV RECEIVER MODEL TX-NR5009(B)/(S)




RC-812M

Black and Silver models

B MDC	120V AC, 60Hz
B MMP, S MMP	220-240V AC, 50/60Hz
B MMR	220-240V AC, 50/60Hz

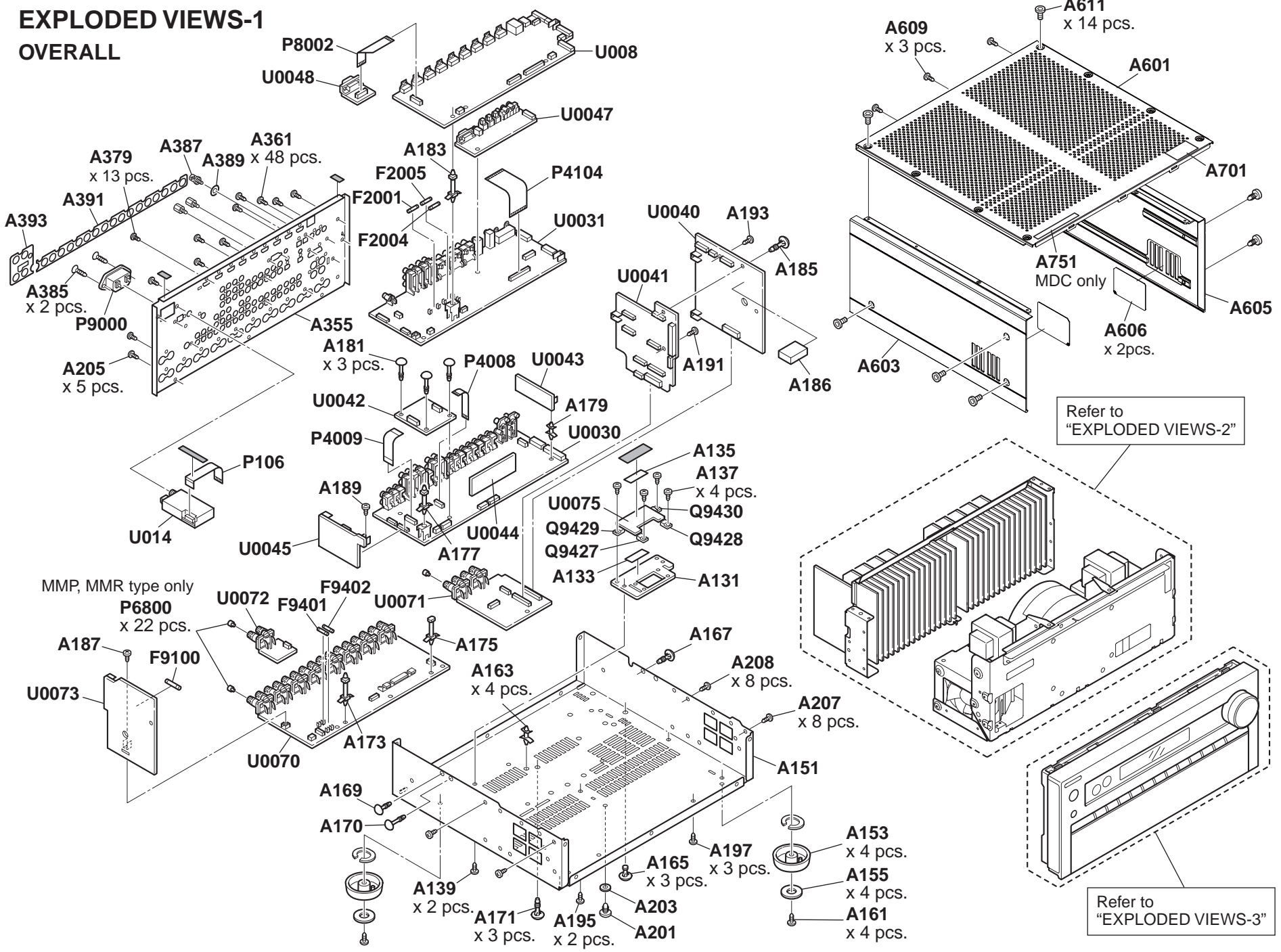
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

ONKYO SOUND & VISION CORPORATION
Service Department

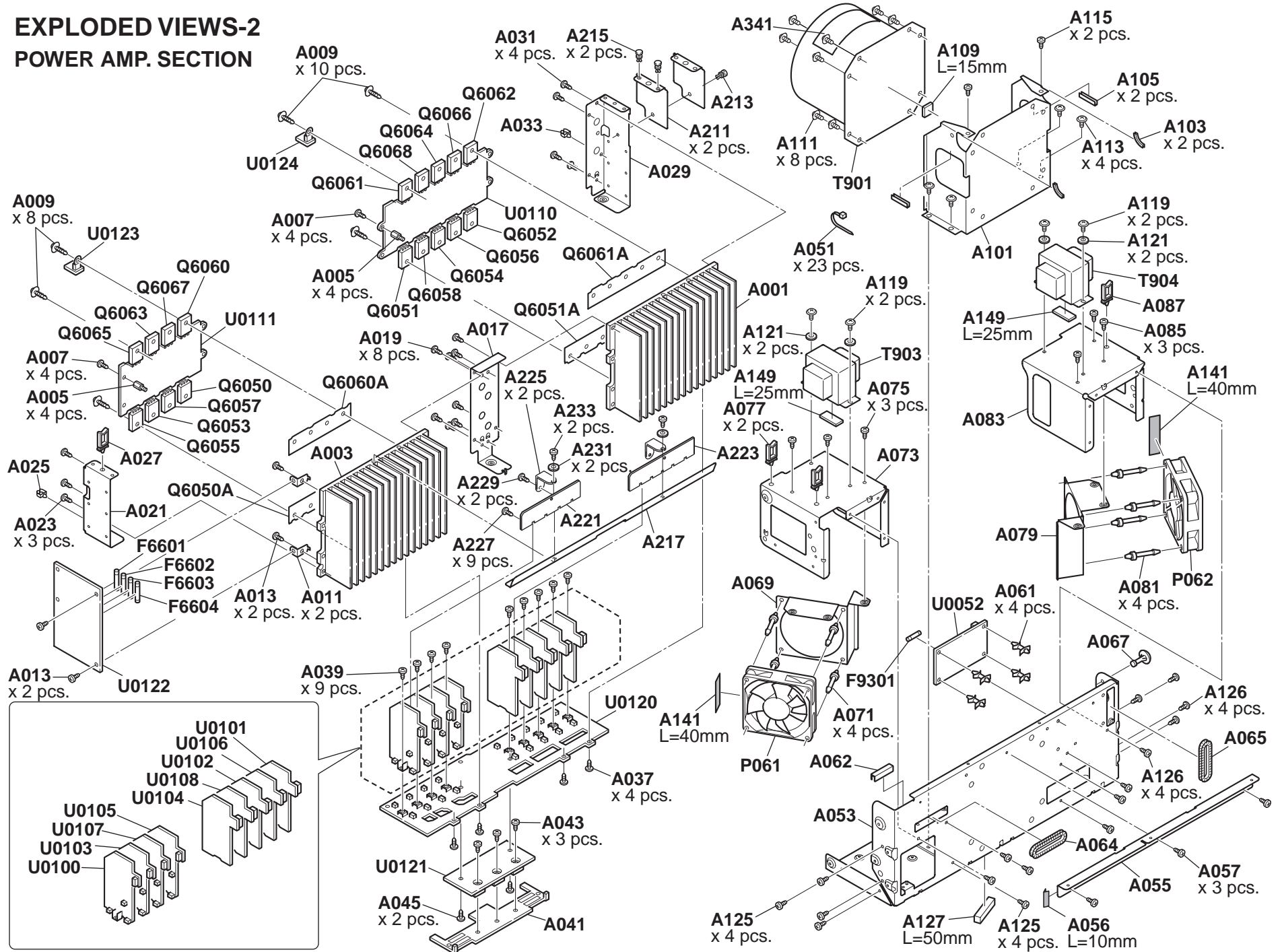
EXPLODED VIEWS-1 OVERALL



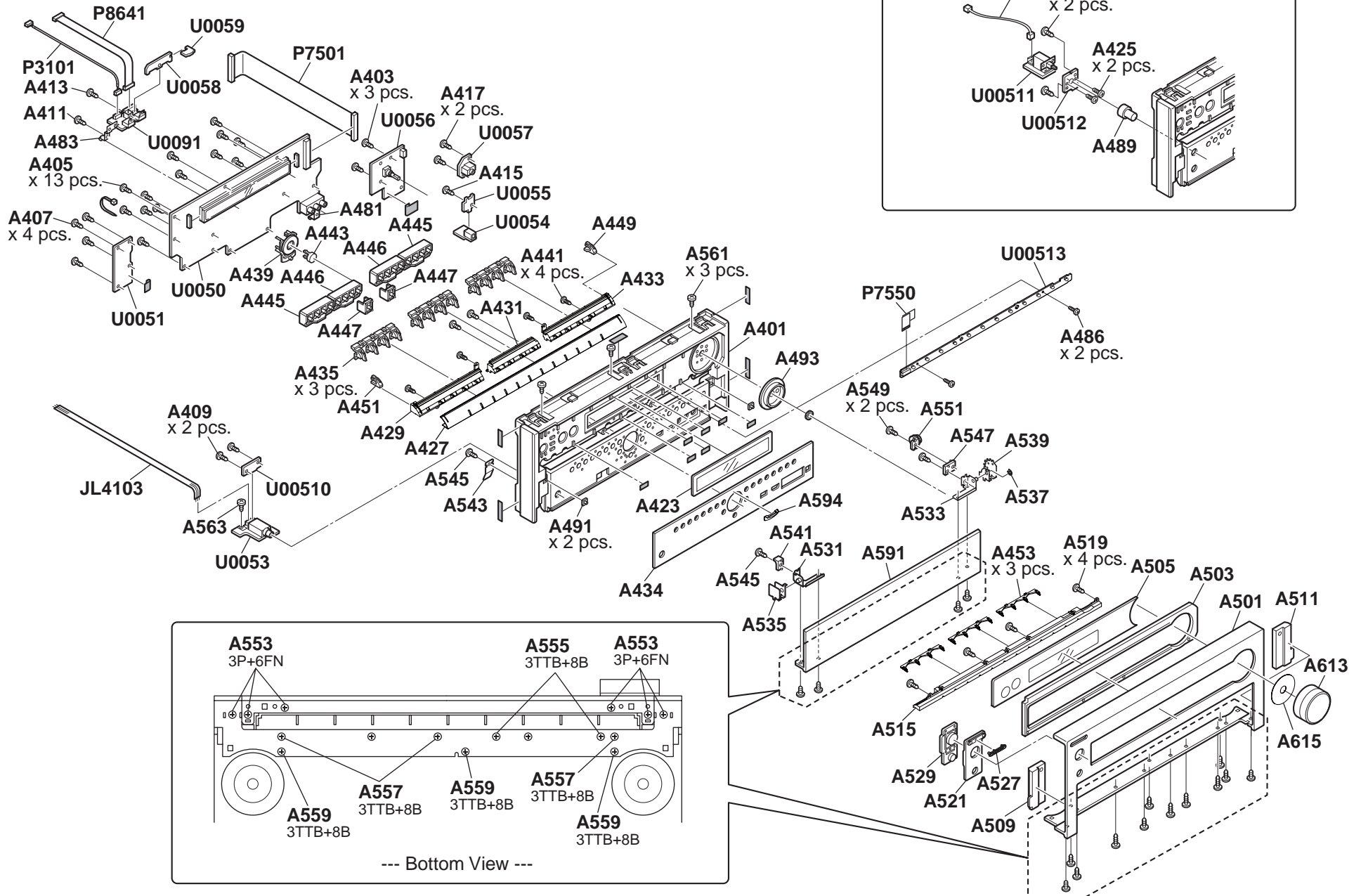
Refer to "EXPLODED VIEWS-2"

Refer to "EXPLODED VIEWS-3"

EXPLODED VIEWS-2 POWER AMP. SECTION



EXPLODED VIEWS-3
FRONT SECTION



A B C D E F G H

SCHEMATIC DIAGRAMS-1

Audio Block Diagram Part-1

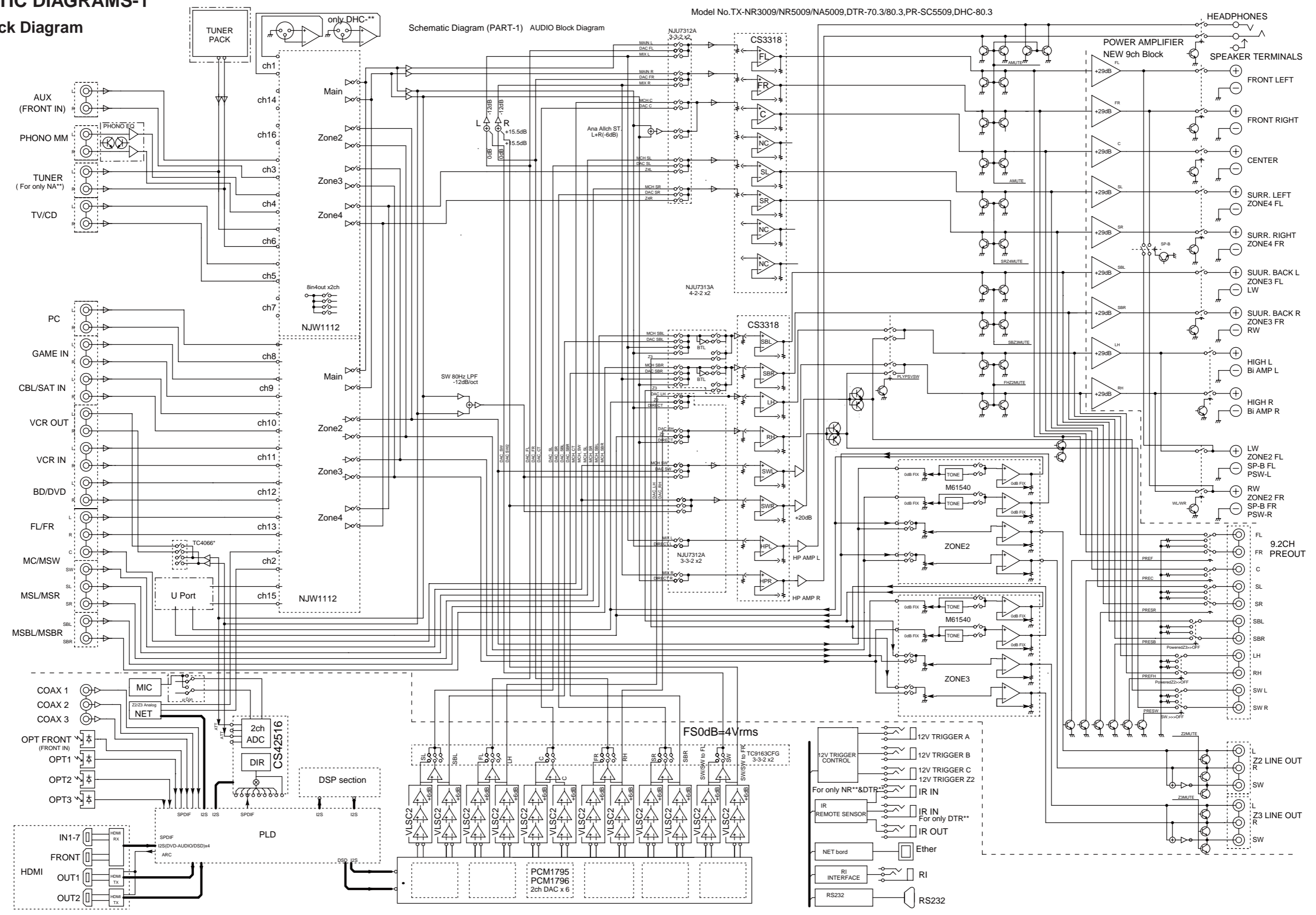
1

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Model No. TX-NR3009/NR5009/NA5009, DTR-70.3/80.3, PR-SC5509, DHC-80.3

Schematic Diagram (PART-1) AUDIO Block Diagram

SCHEMATIC DIAGRAMS-2

**Video Section
Block Diagram
Part-2**

Schematic Diagram (PART-2) VIDEO BLK SECTION

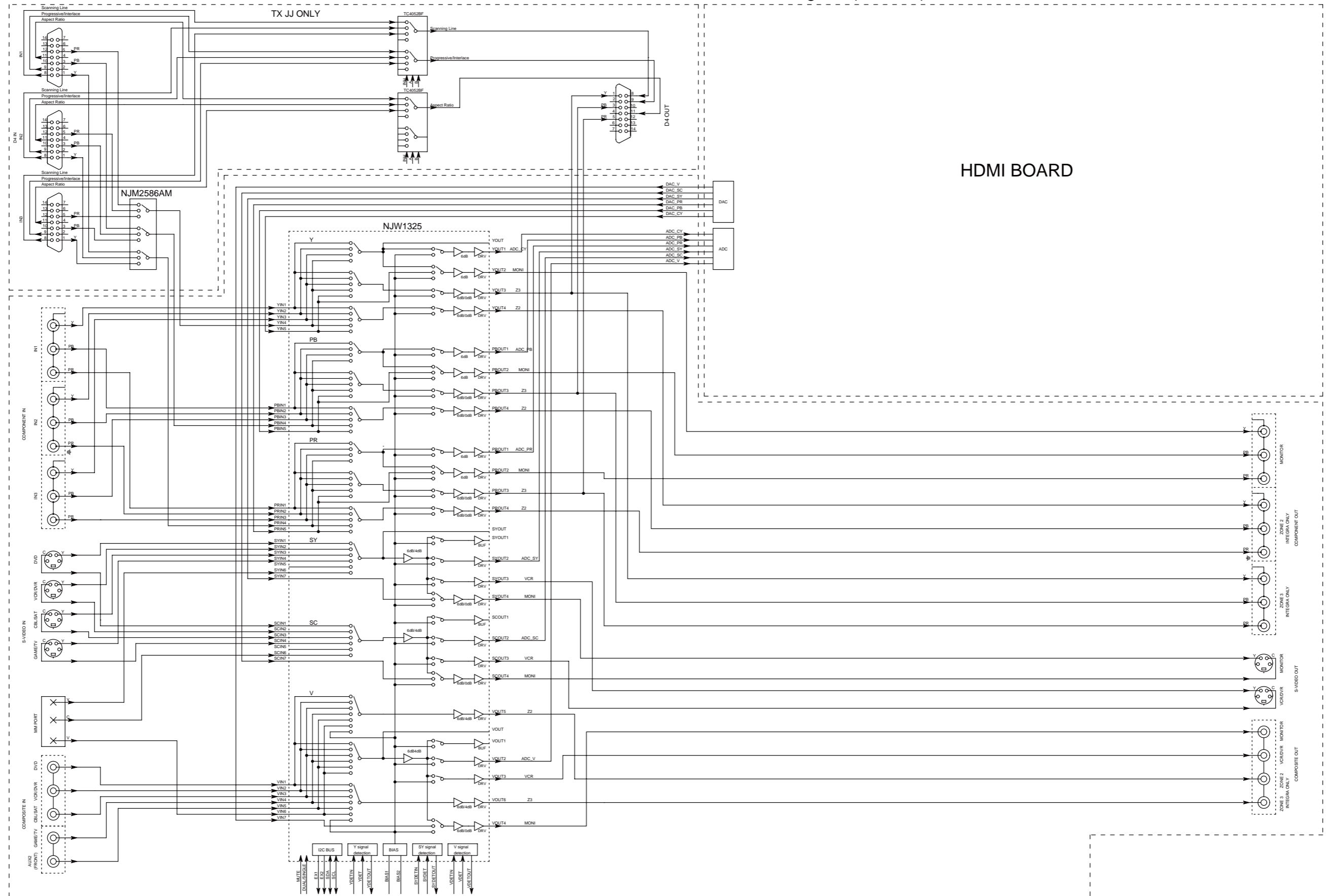
1

2

3

4

5



A B C D E F G H

SCHEMATIC DIAGRAMS-3

HDMI Block Diagram part-3

1

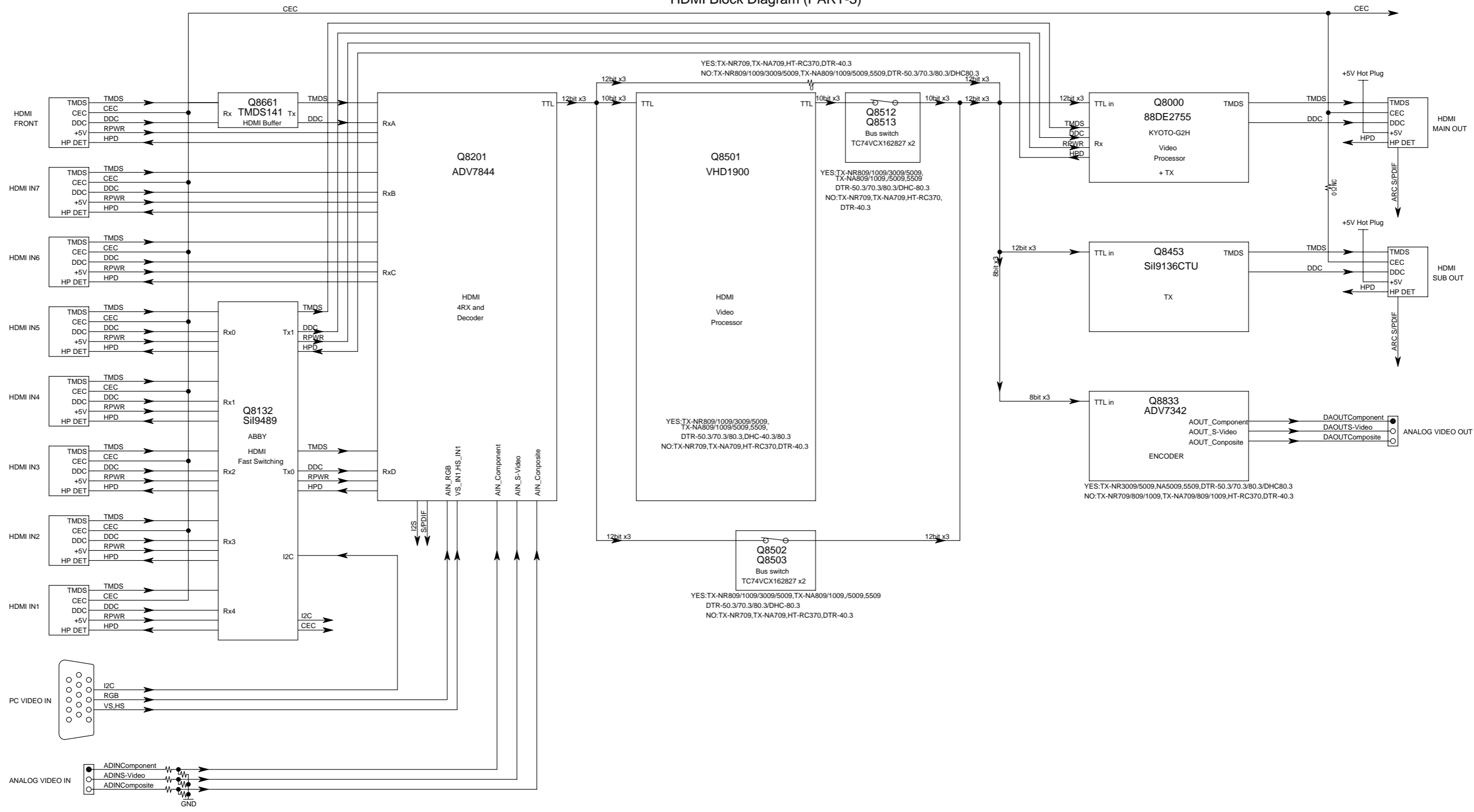
2

3

4

5

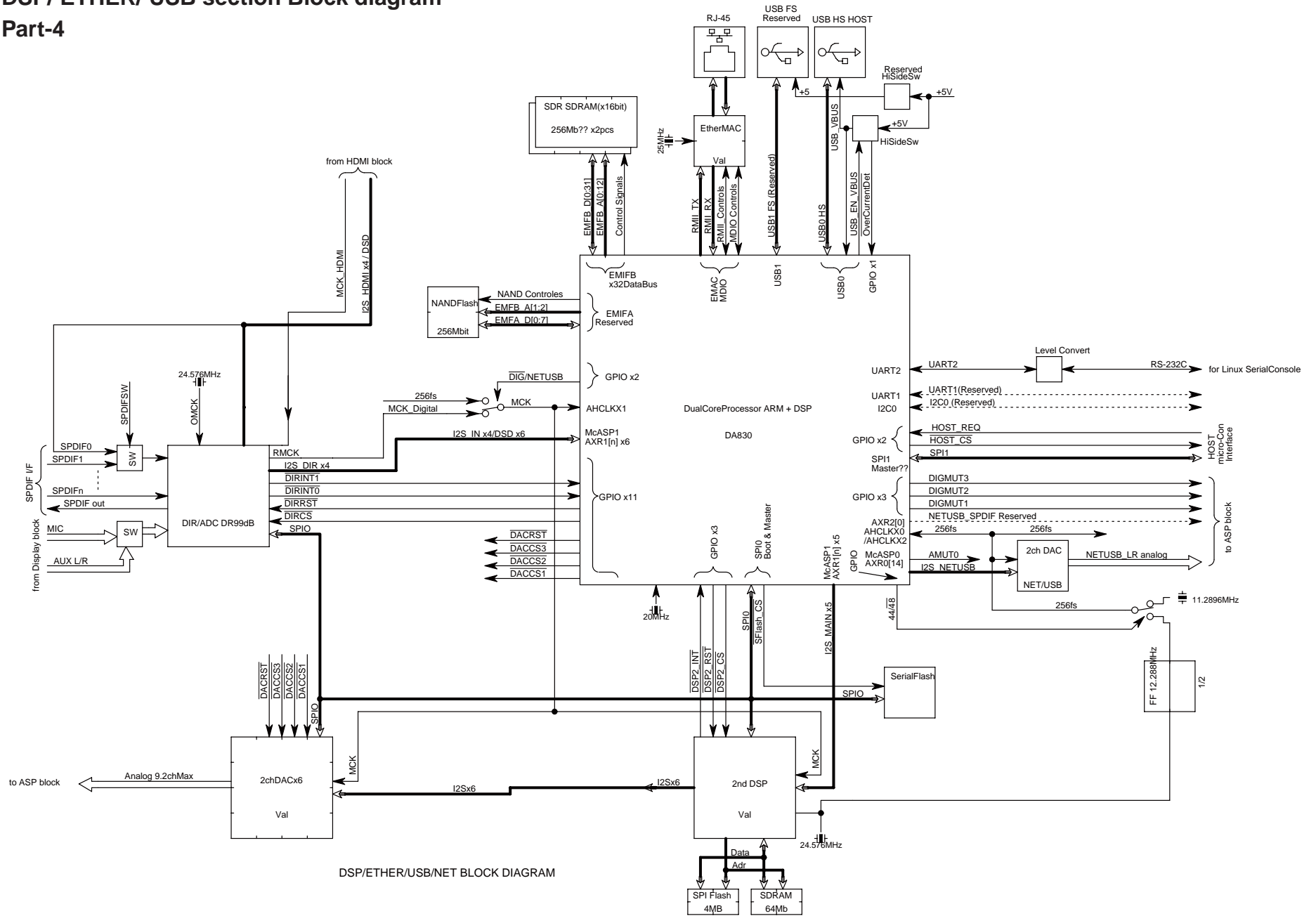
HDMI Block Diagram (PART-3)



SCHEMATIC DIAGRAMS-4

DSP/ ETHER/ USB section Block diagram

Part-4



DSP/ETHER/USB/NET BLOCK DIAGRAM

A B C D E F G H

SCHEMATIC DIAGRAMS-5

**Digital audio Block diagram
Part-5**

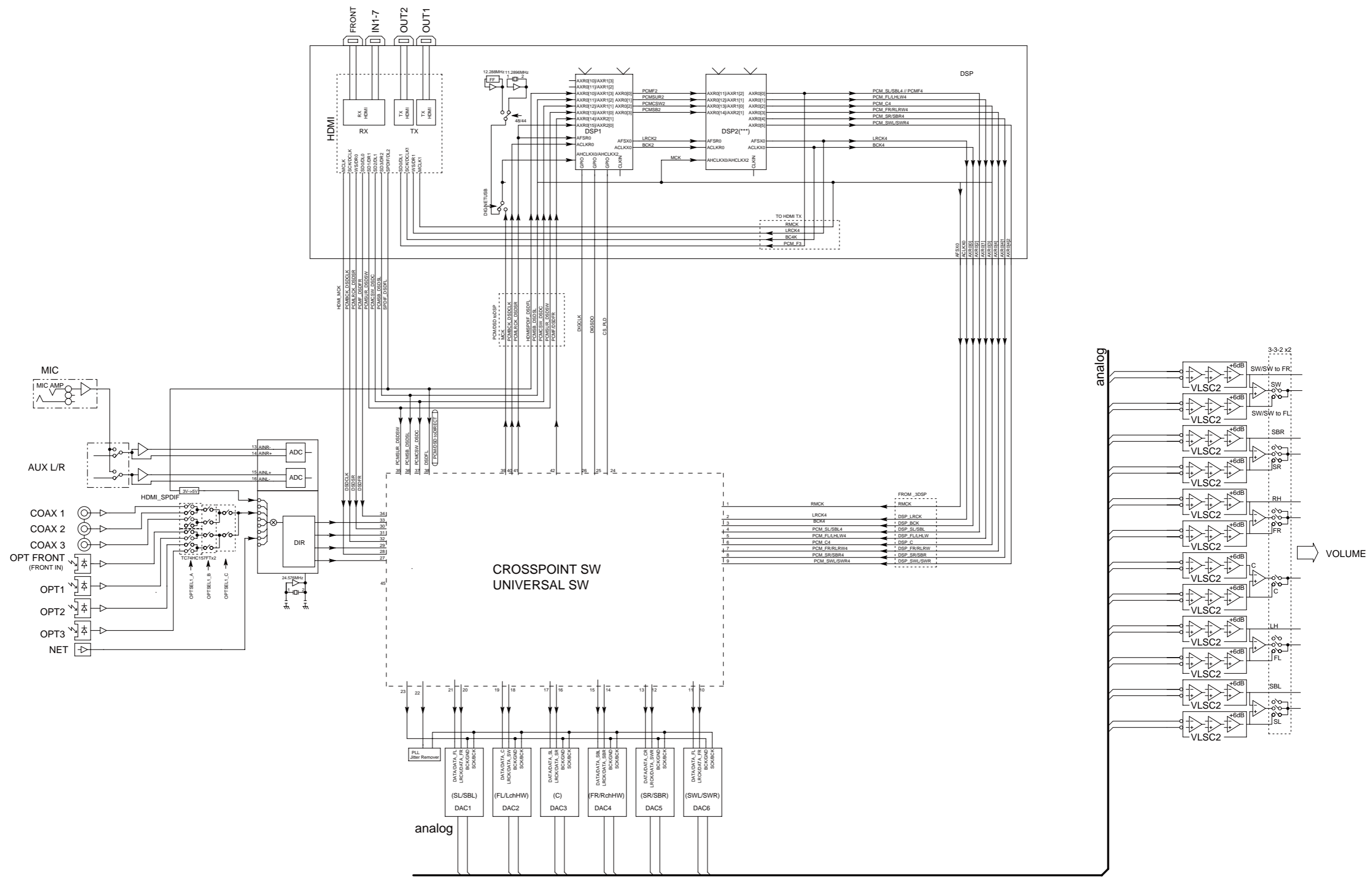
1

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VOLUME

SCHEMATIC DIAGRAM-6

**AMP. First Section
Part-6**

Only TX-NR3009/NR5009/NA5009,DTR-70.3/80.3

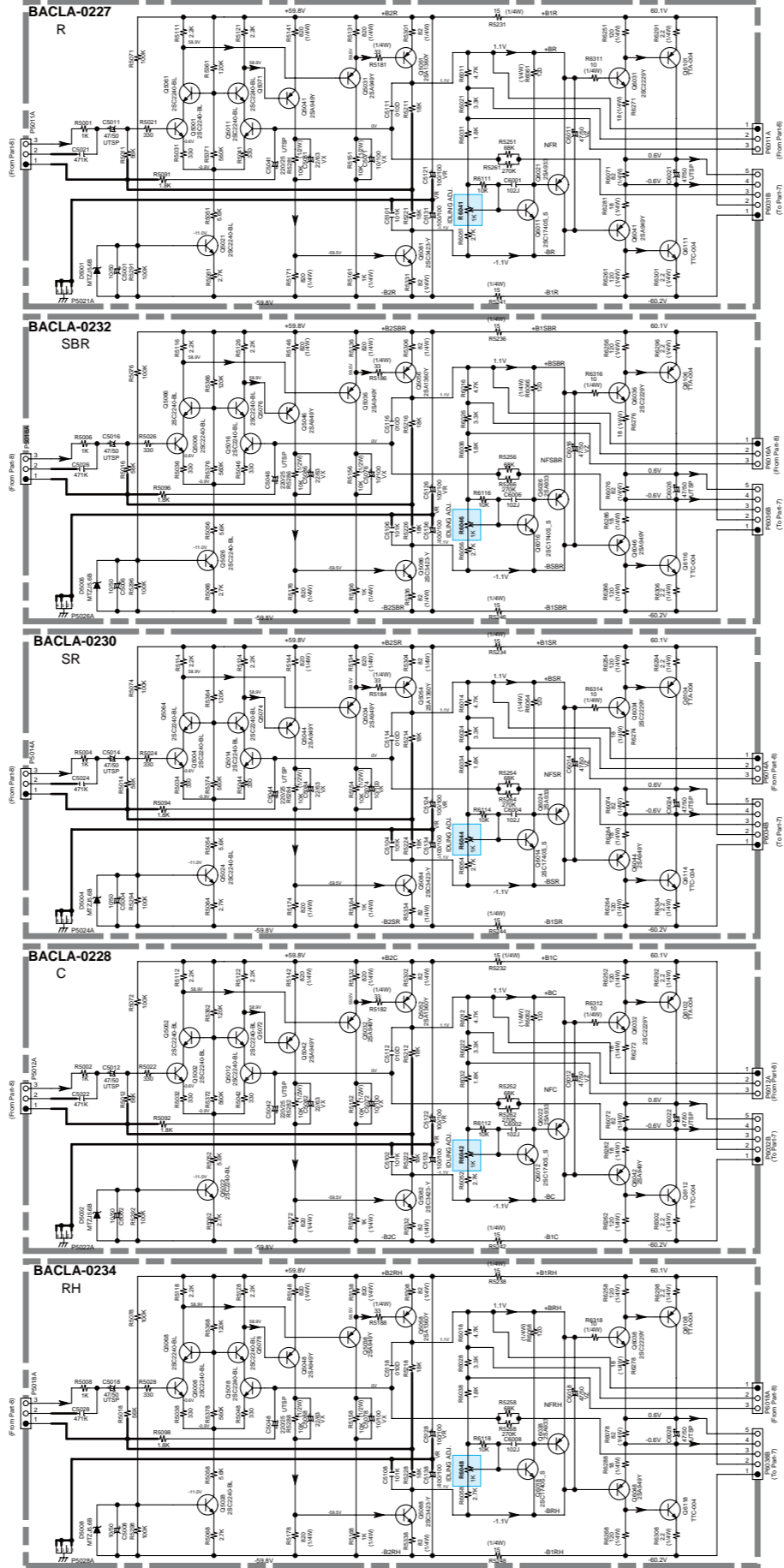
1

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ADJUSTMENT OF IDLING CURRENT (Except PR-SC5509, DHC-80.3)

<Notes>
 1. Set R6040~6048 to minimum position before Power On the unit.
 2. Equip series 1/4W 100-ohm resistors near the terminal respectively in the each poles of the jig used for P6070~6078 terminals.

[Procedure]
 1. Set the voltages at P6070~6078 to 3.0mV by adjusting R6040~6048, under the condition of no input and no load, immediately after Power On the unit.
 2. Re-adjust by following procedure after 4~6 minutes of heat running.

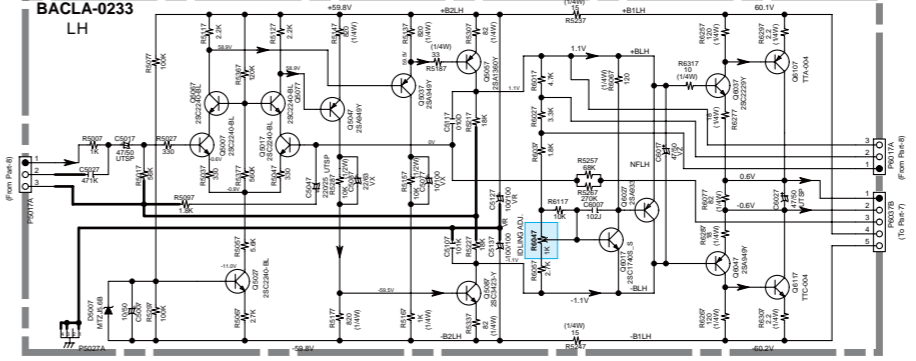
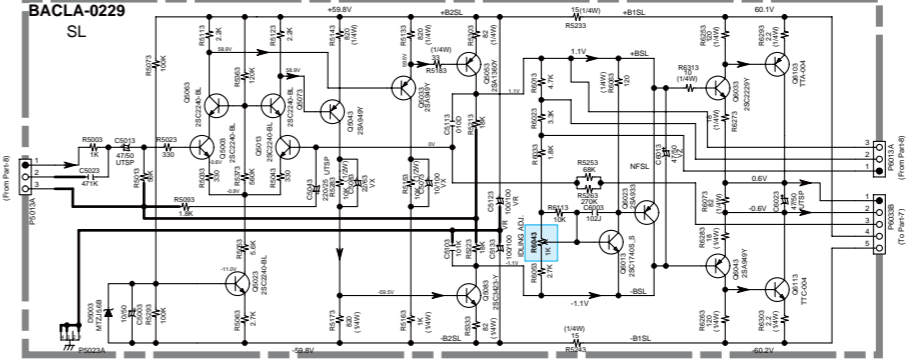
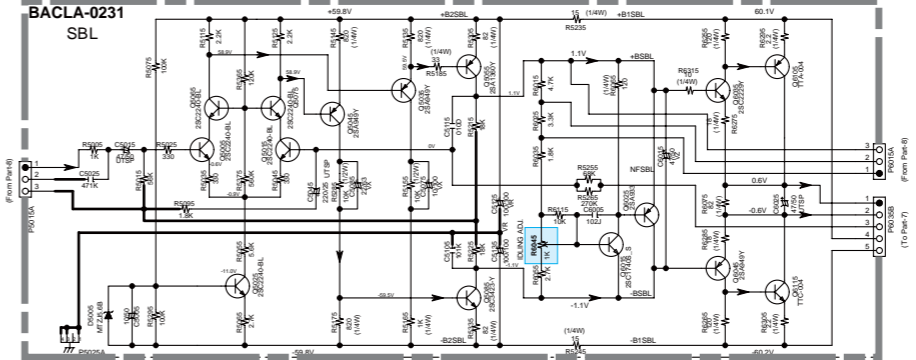
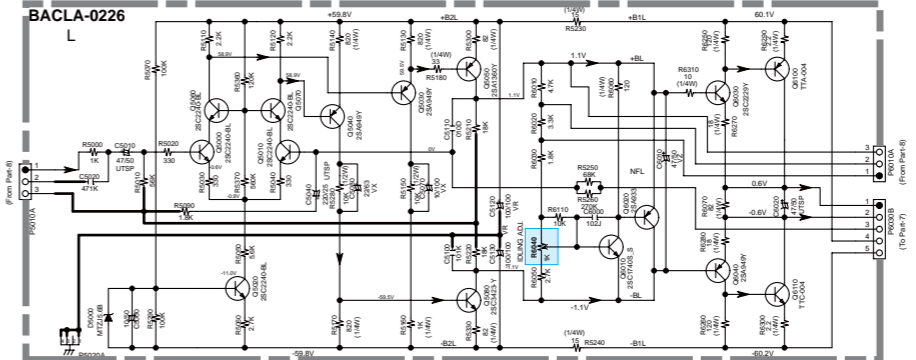
L/C/R/SL/SR/SBL/SBR/LH/RH	
Below 3mV	→ 3mV
Between 3~4mV	→ Leave it as it is.
Over 4mV	→ 4mV

アイドリング電流の調整 (PR-SC5509, DHC-80.3は除く)

<Notes>
 1. R6040~6048はPOWER ON前に、左に回して最小の位置にしておく。
 2. P6070~6078端子に接続するジグ端子の両極には、端子近傍にそれぞれ100Ω 1/4Wの抵抗をシリーズに入れること。

[手順]
 1. 無負荷・無信号にてPower On直後、P6070~6078の両端電圧をR6040~6048にて3.0mVに設定する。
 2. 約4~6分間のヒートラン後、下記手順で再調整する。

L/C/R/SL/SR/SBL/SBR/LH/RH	
3mV 未満の場合	→ 3mV
3~4mVの場合	→ そのまま
4mV より大きい場合	→ 4mV



SCHEMATIC DIAGRAMS-7

Amp. Final Section Part-7

Only TX-NR3009/TX-NR5009/TX-NA5009/DTR-70.3/DTR-80.3

1

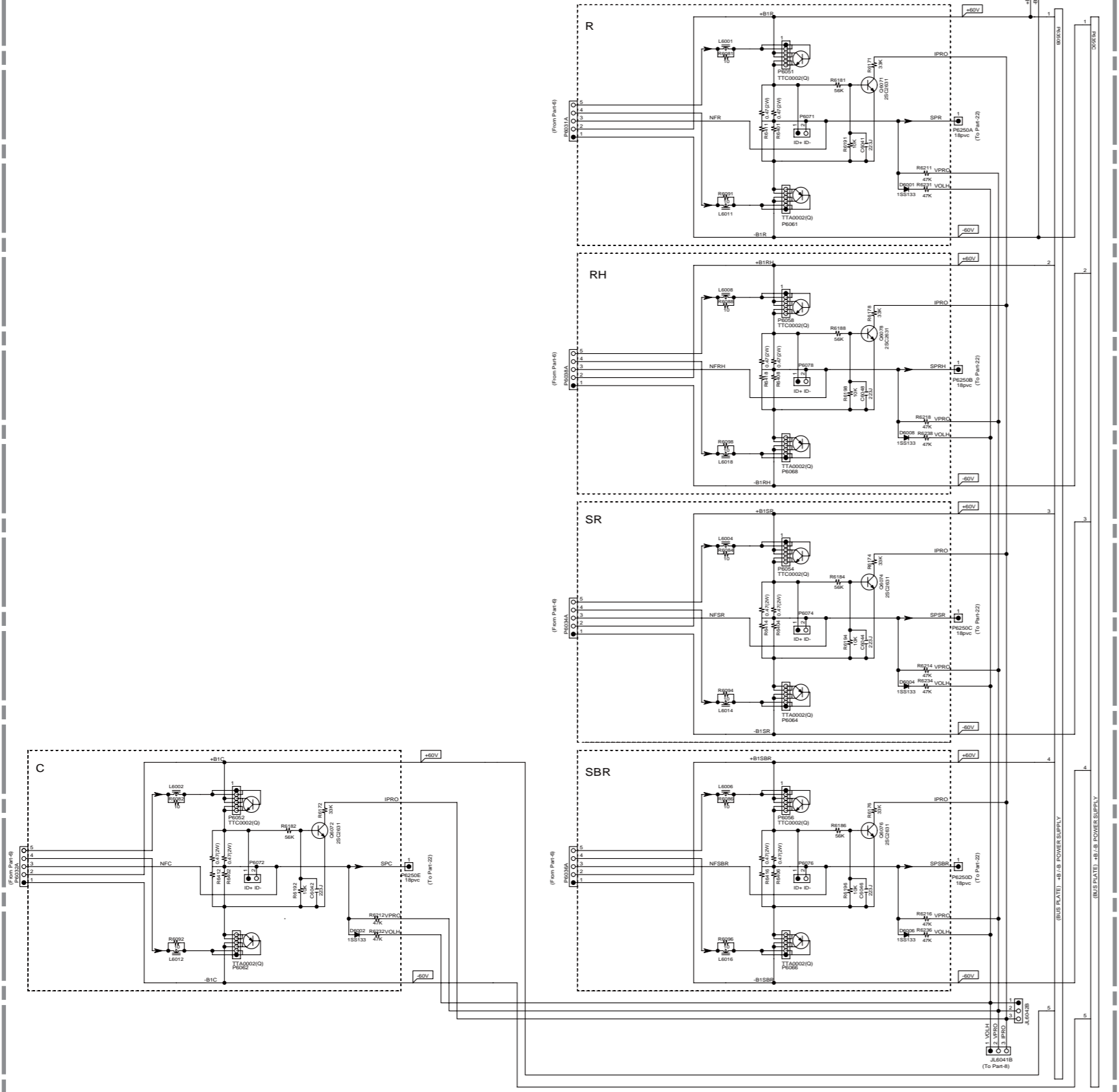
2

3

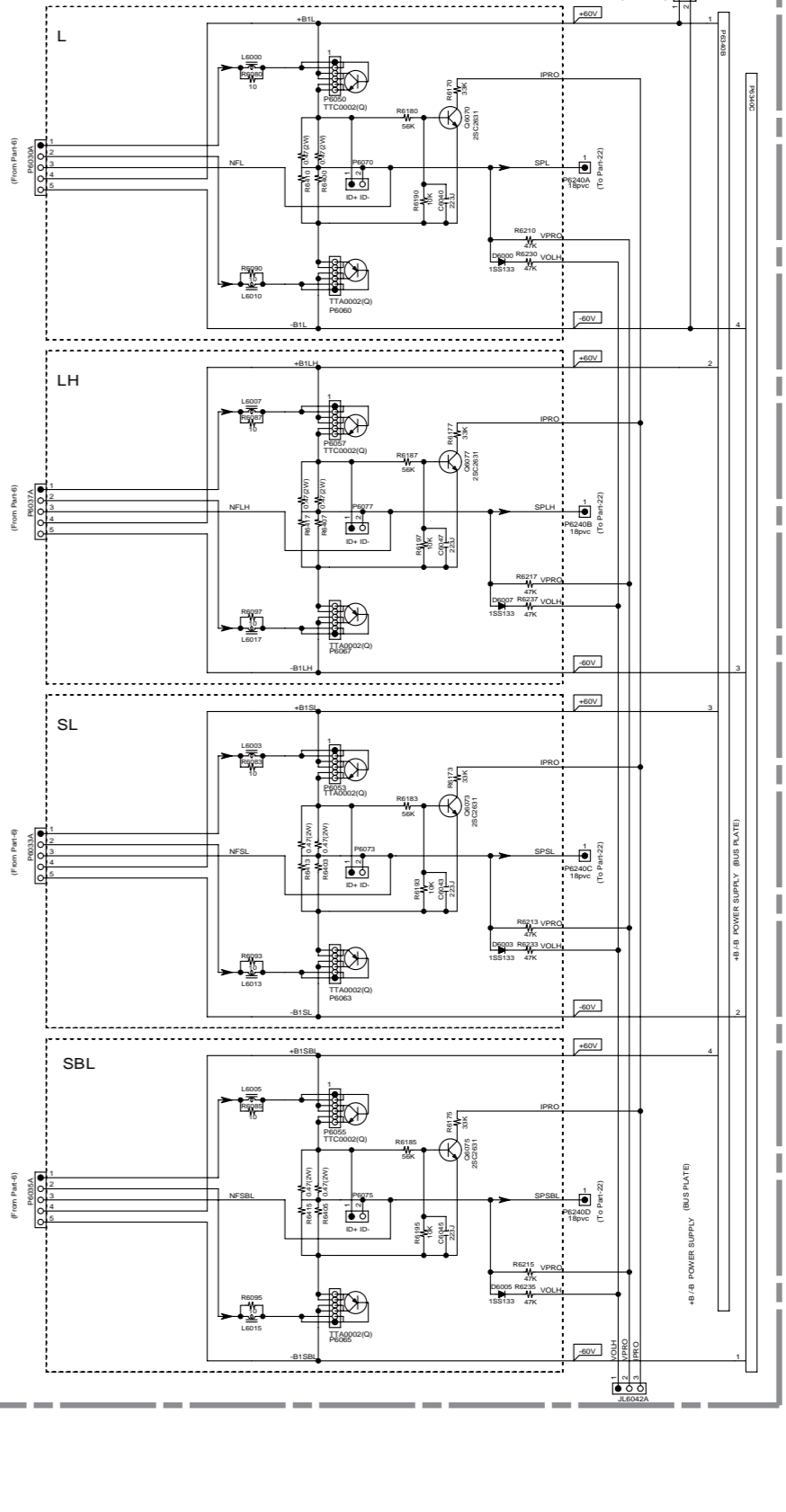
4

5

BAAMP-0191



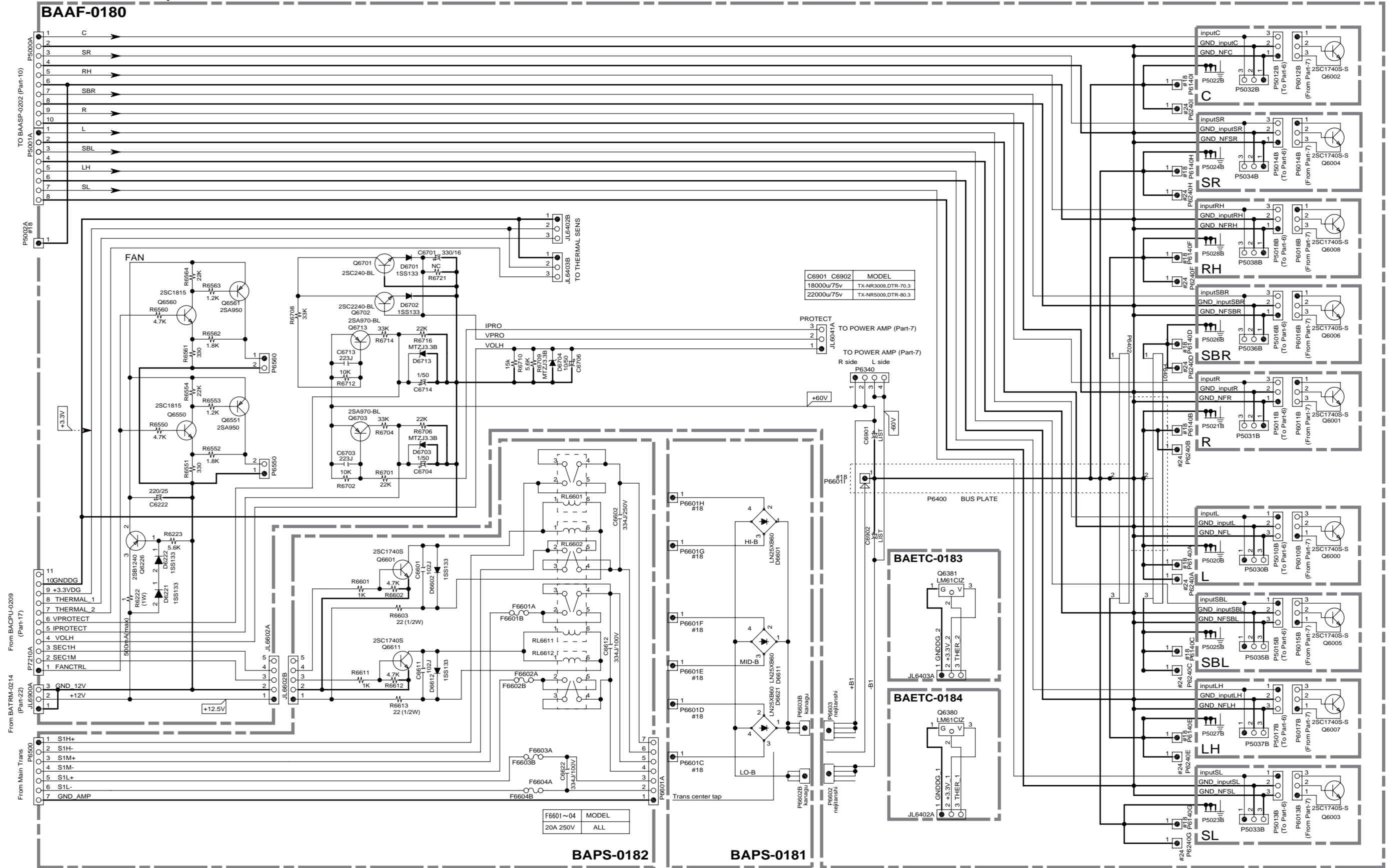
BAAMP-0192



SCHEMATIC DIAGRAM-8

Amp. Power supply section Part-8

Only TX-NR3009/TX-NR5009/TX-NA5009,DTR-70.3/DTR-80.3



F6601~04	MODEL
20A 250V	ALL

C6901 C6902	MODEL
18000u/75v	TX-NR3009,DTR-70.3
22000u/75v	TX-NR5009,DTR-80.3

BAPS-0182

BAPS-0181

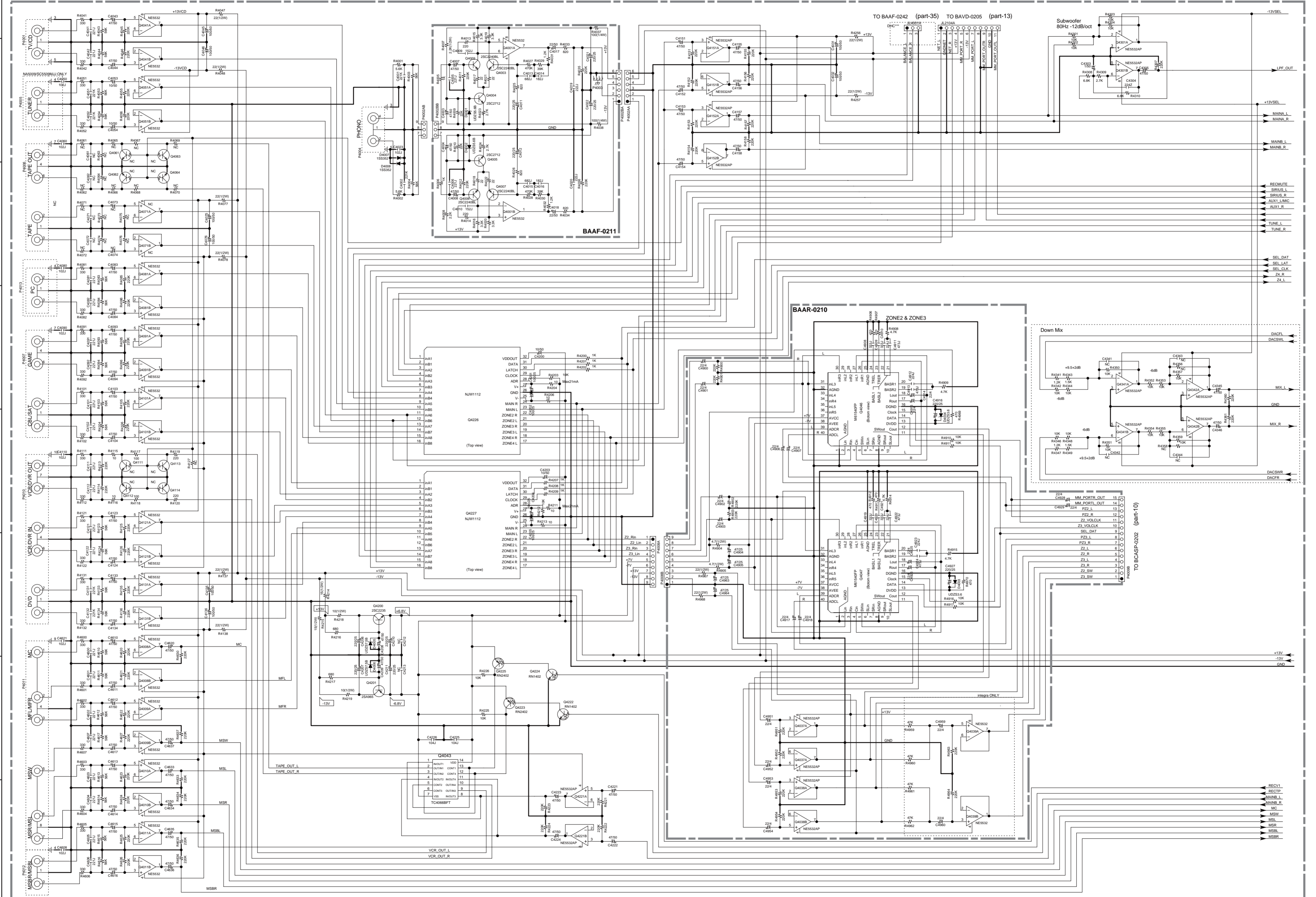
BAETC-0183

BAETC-0184

SCHEMATIC DIAGRAMS-9

ASP-1 Section
Part-9

BAASP-0202(1/2)



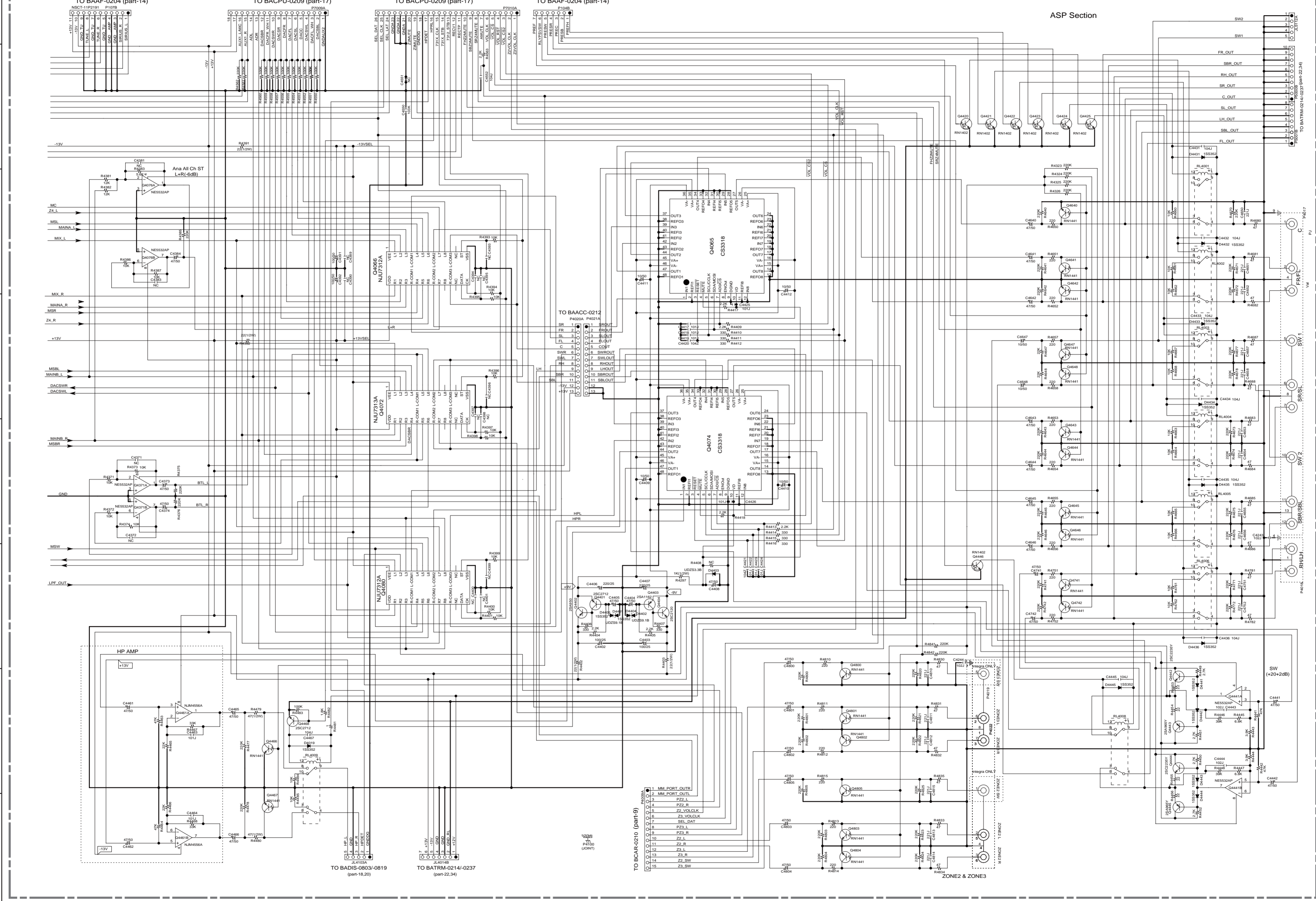
1
2
3
4
5
6
7
8

-13VSEL
+13VSEL
MAIN L
MAIN R
RECAUTE
SIRIUS L
SIRIUS R
AUX1 L/MC
AUX1 R
TUNE L
TUNE R
SEL DAT
SEL LAT
SEL CLK
24 L
24 R
DACL
DACSW
MIX L
GND
MIX R
DACSW
DACFR
MM_PORTS_OUT 15
MM_PORTS_OUT 14
P22 L 13
P22 R 12
Z2 VOLCLK 11
Z3 VOLCLK 10
SEL DAT 9
P23 L 8
P23 R 7
Z2 L 6
Z2 R 5
Z3 L 4
Z3 R 3
Z3_SW 2
Z3_SW 1
+13V
-13V
GND
REC1
REC2P
MAIN L
MAIN R
MC
MSW
MSL
MSBL
MSBR

SCHEMATIC DIAGRAMS-10

ASP-2 Section
Part-10

BAASP-0202 (2/2)



TO BAAF-0204 (part-14)

TO BACPU-0209 (part-17)

TO BACPU-0209 (part-17)

TO BAAC-0212

TO BAAR-0210 (part-9)

TO BADIS-0803/0819 (part-18.20)

TO BATRM-0214/0237 (part-22.34)

TO BACPU-0209 (part-17)

TO BACPU-0209 (part-17)

ASP Section

ZONE2 & ZONE3

SW (+20-2dB)

A

B

C

D

E

SCHEMATIC DIAGRAMS-11

ASP/ Buffer/ D-Sub section

Part-11

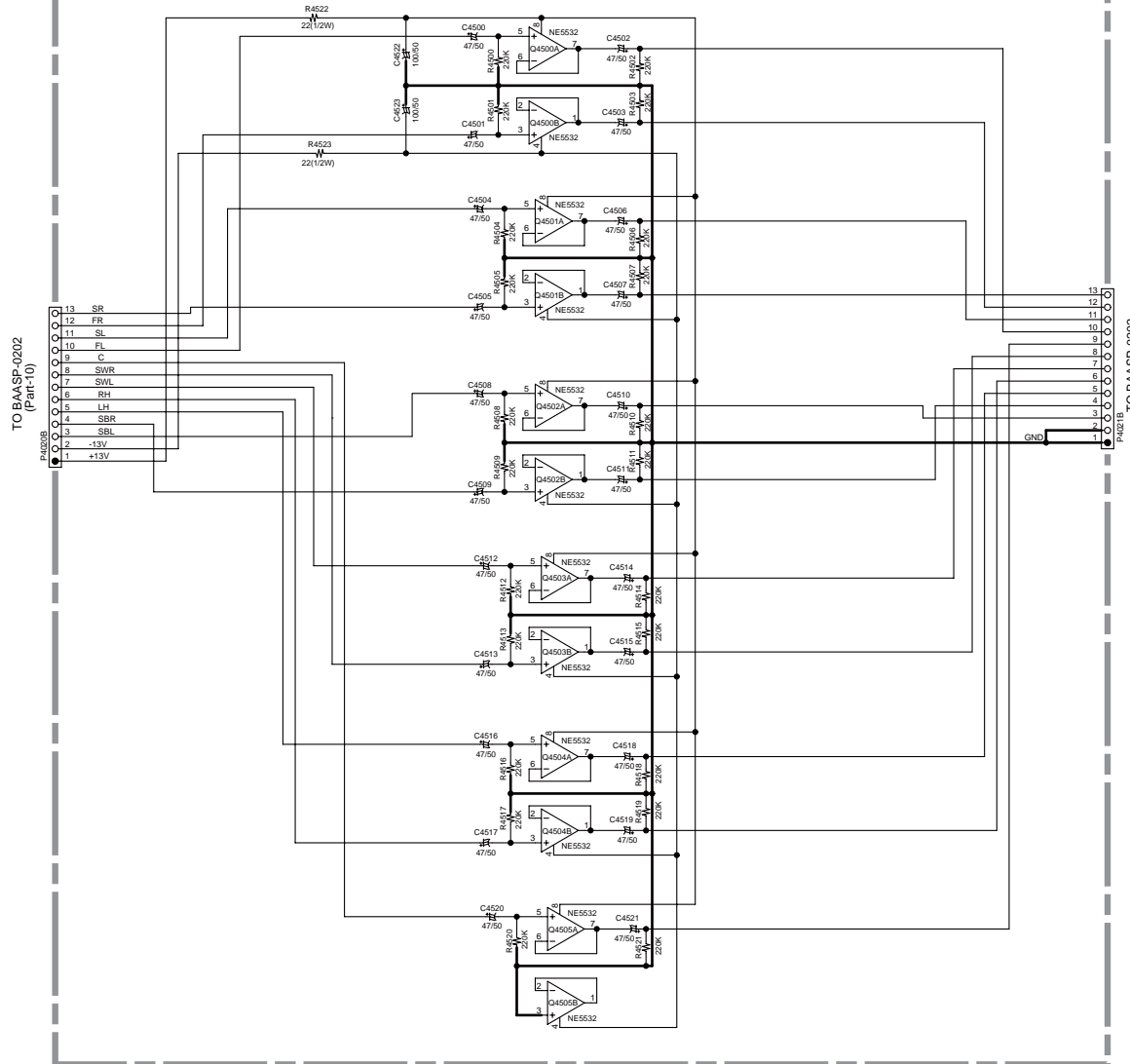
1

2

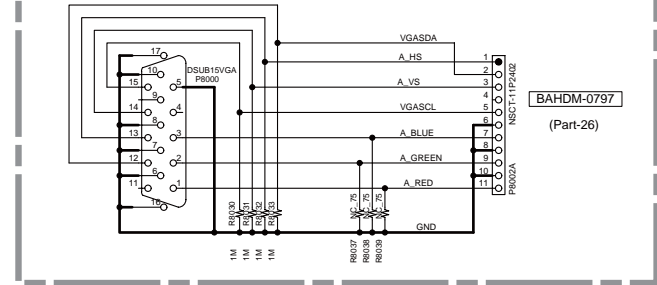
3

4

BAACC-0212



BAETC-0247



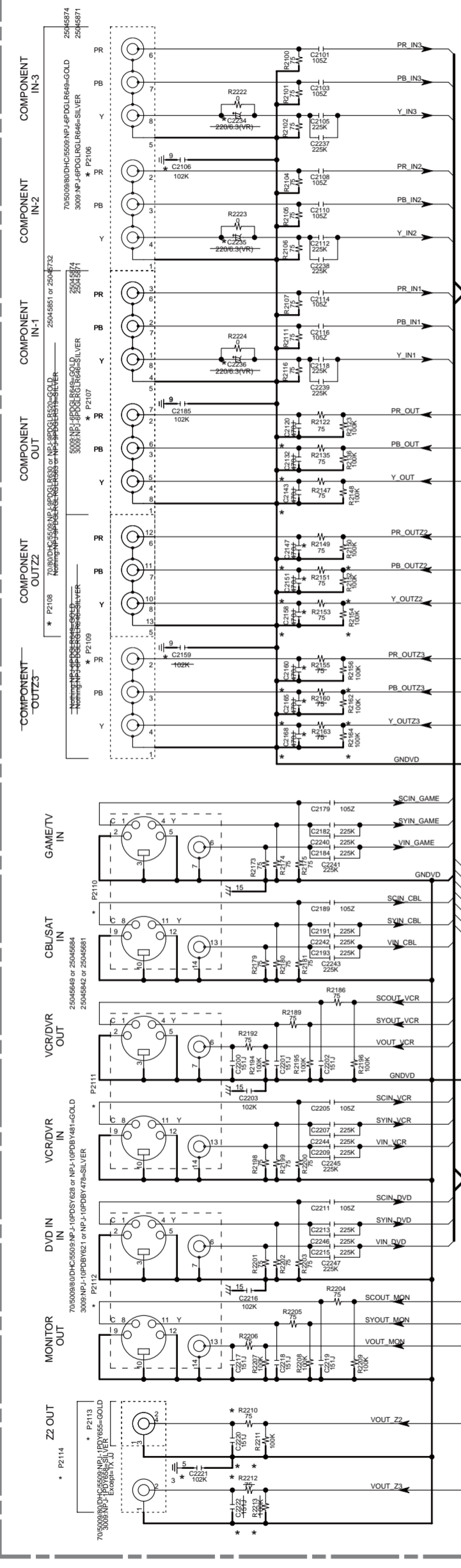
SCHEMATIC DIAGRAMS-12

Analog Video section

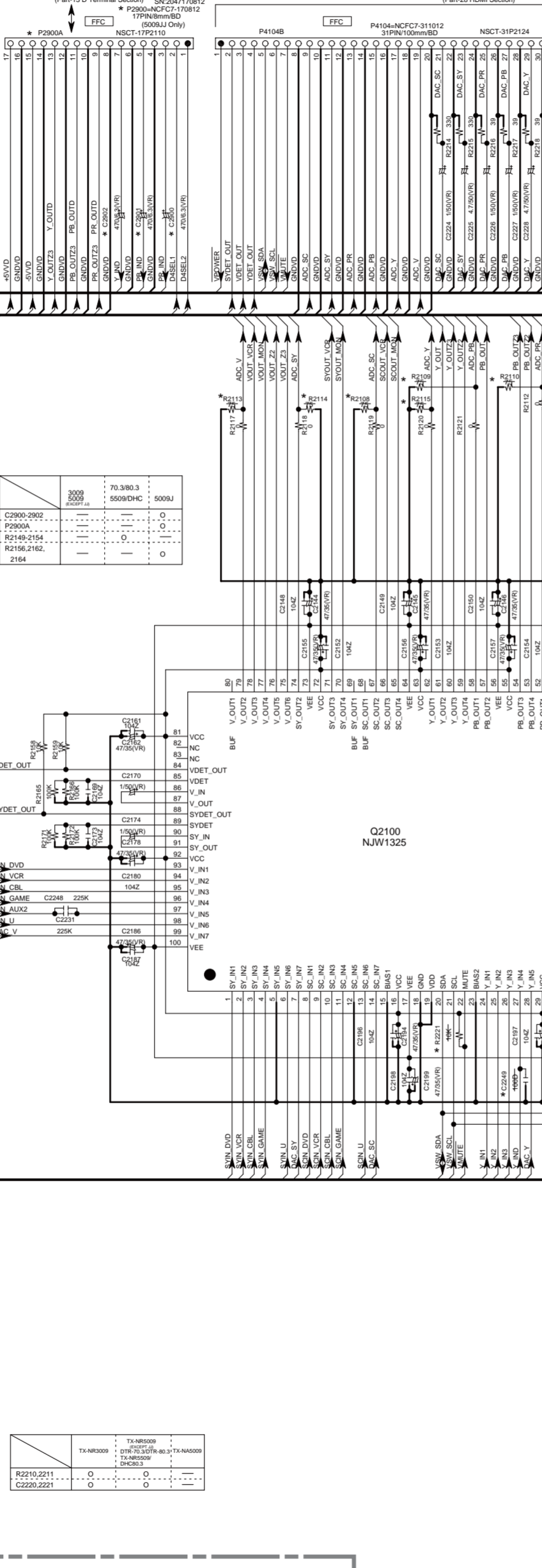
Part-12

1
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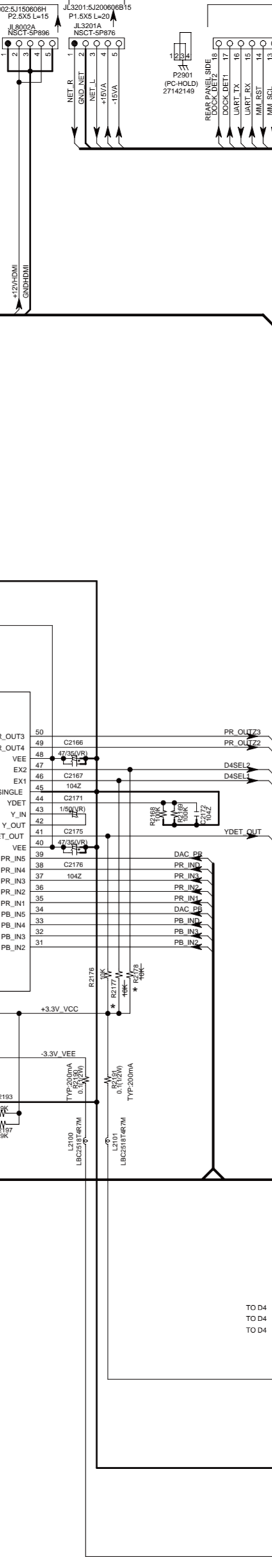
BAVD-0203



TO D Terminal PWB TO BAVD-0205 (Part-13 D Terminal Section) SN-2047170812



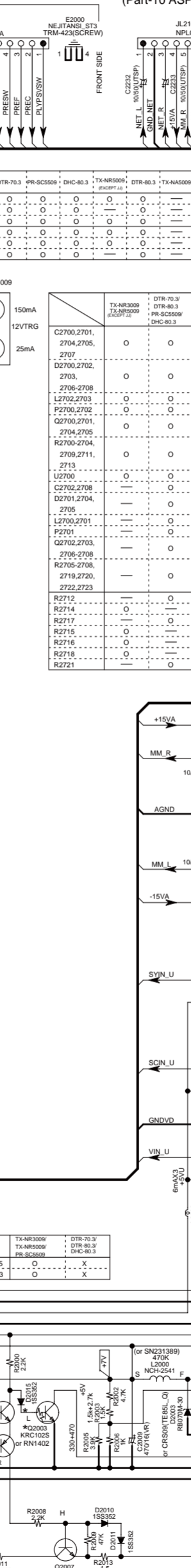
TO HDMI TO BAHDM-0797 (Part-28 HDMI Section)



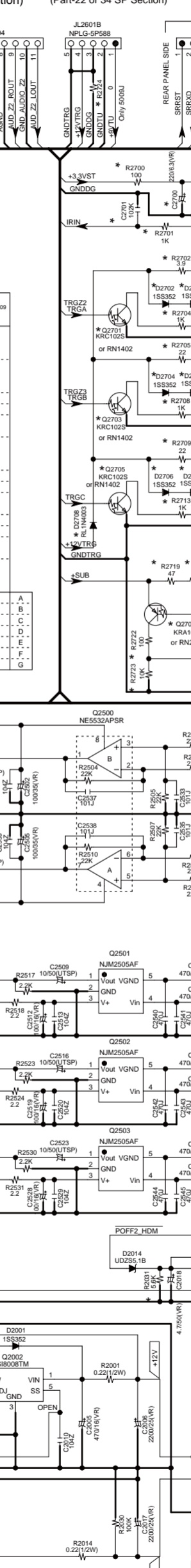
DSP/Audio/GPIO section (Part-31)



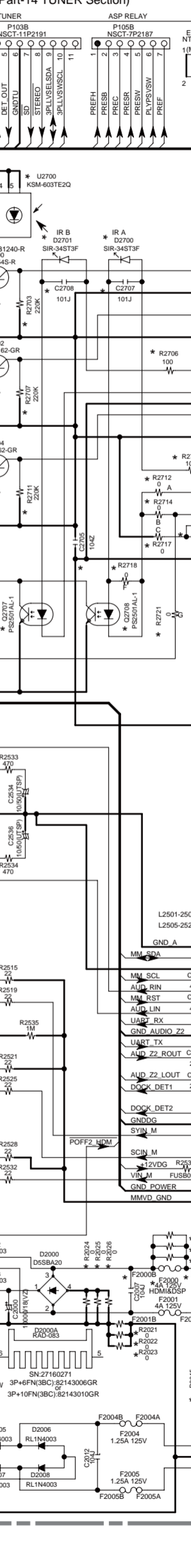
TO BACPU-0209 (Part-17 MICON Section)



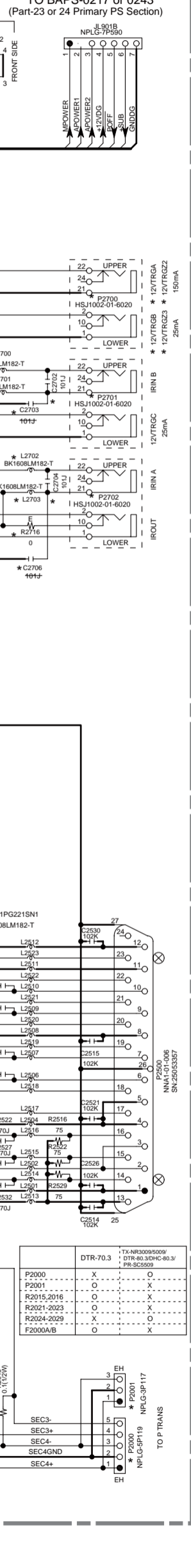
TO BAASP-0202 (Part-10 ASP Section)



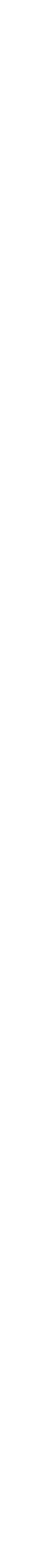
TO BATRM-0214 or 0237 (Part-22 or 34 SP Section)



TO BARF-0204 (Part-14 TUNER Section)

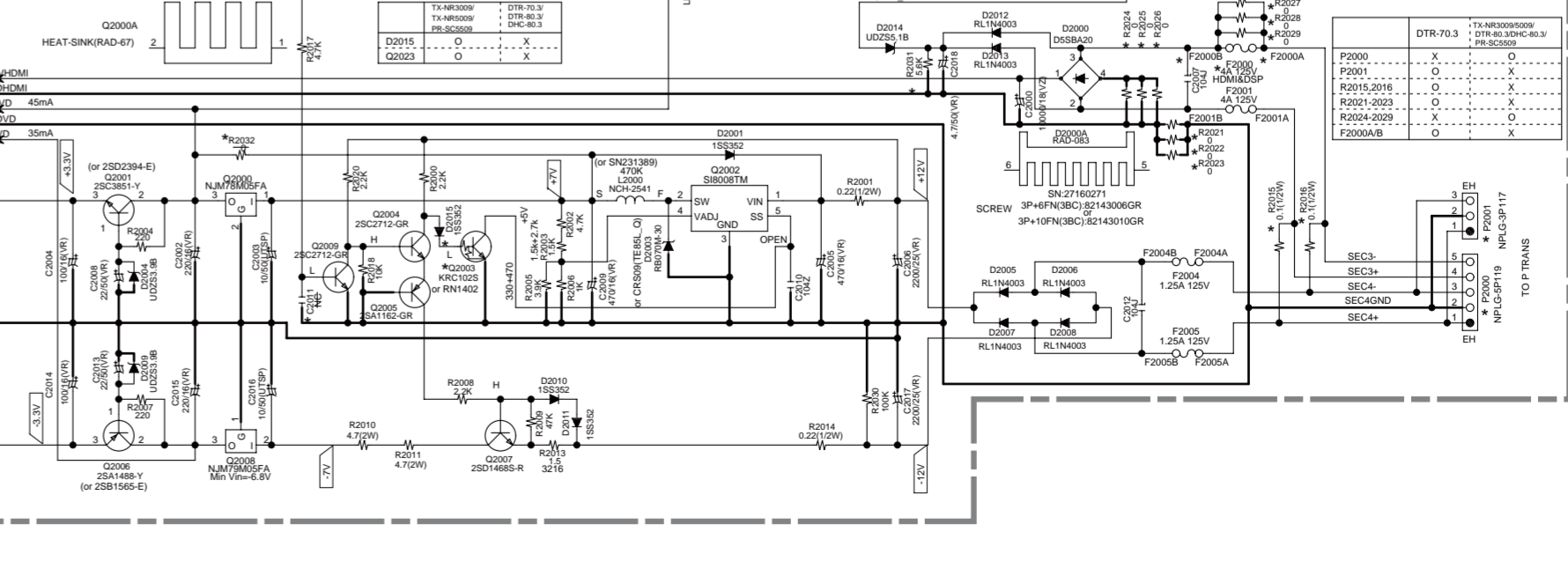
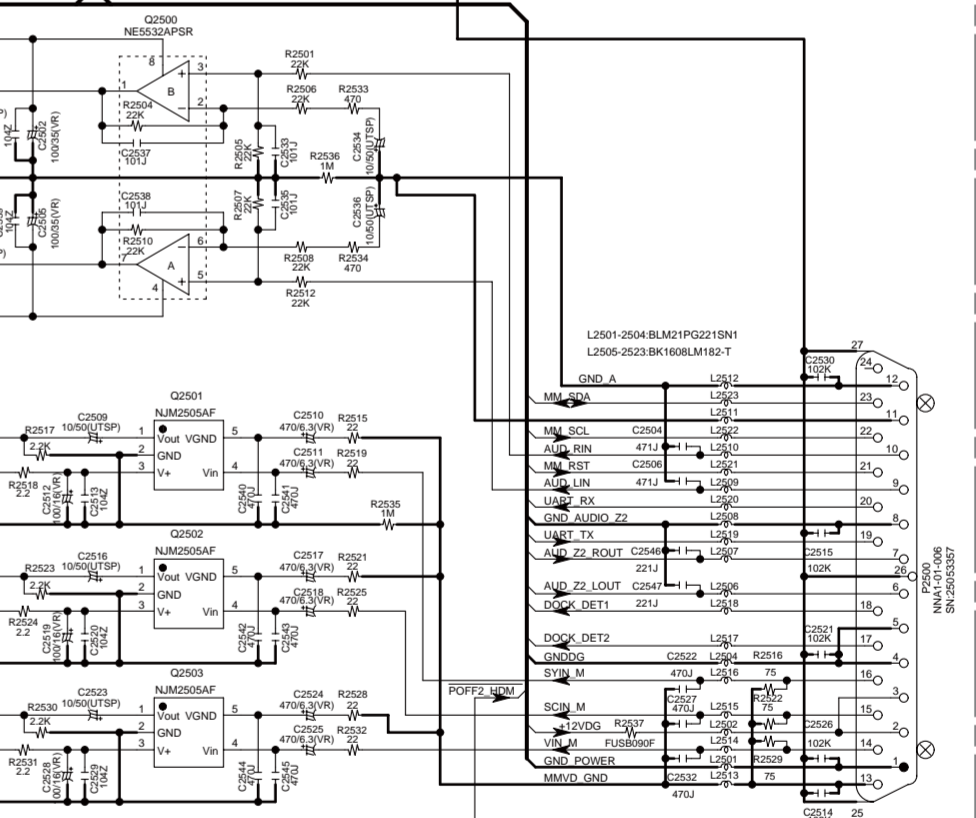
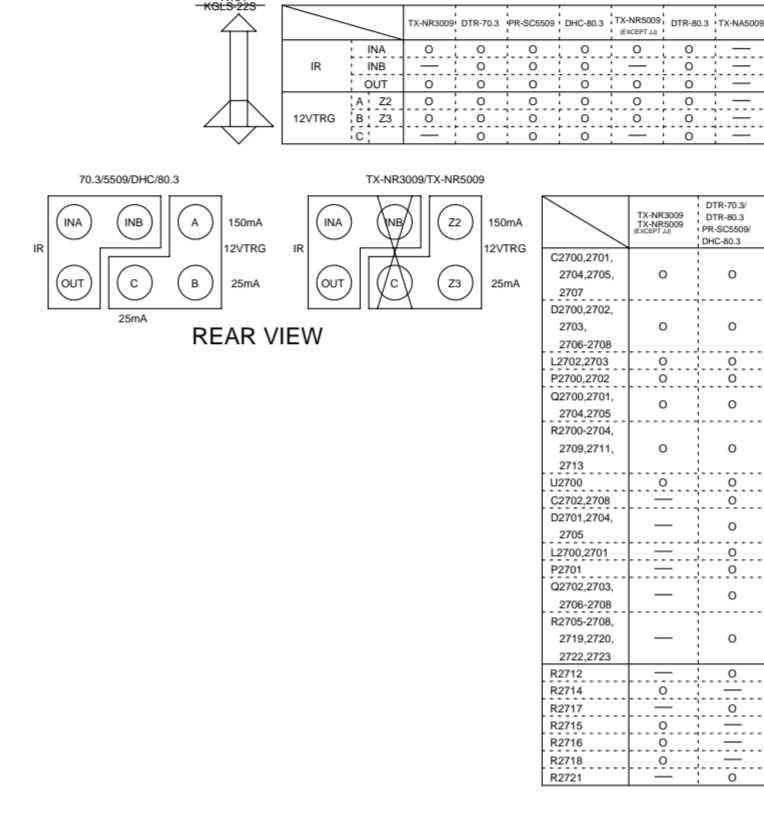


TO BAPS-0217 or 0243 (Part-23 or 24 Primary FS Section)



VIDEO PS:2000-2099
VIDEO 2:100-2489
MM PORT:2500-2699
12VTRG&IR:2700-2899
DA:2900-2999
TUNER:1-199

ANALOG VIDEO Section



SCHEMATIC DIAGRAMS-13

D 4 Terminal Section

Part-13

1

2

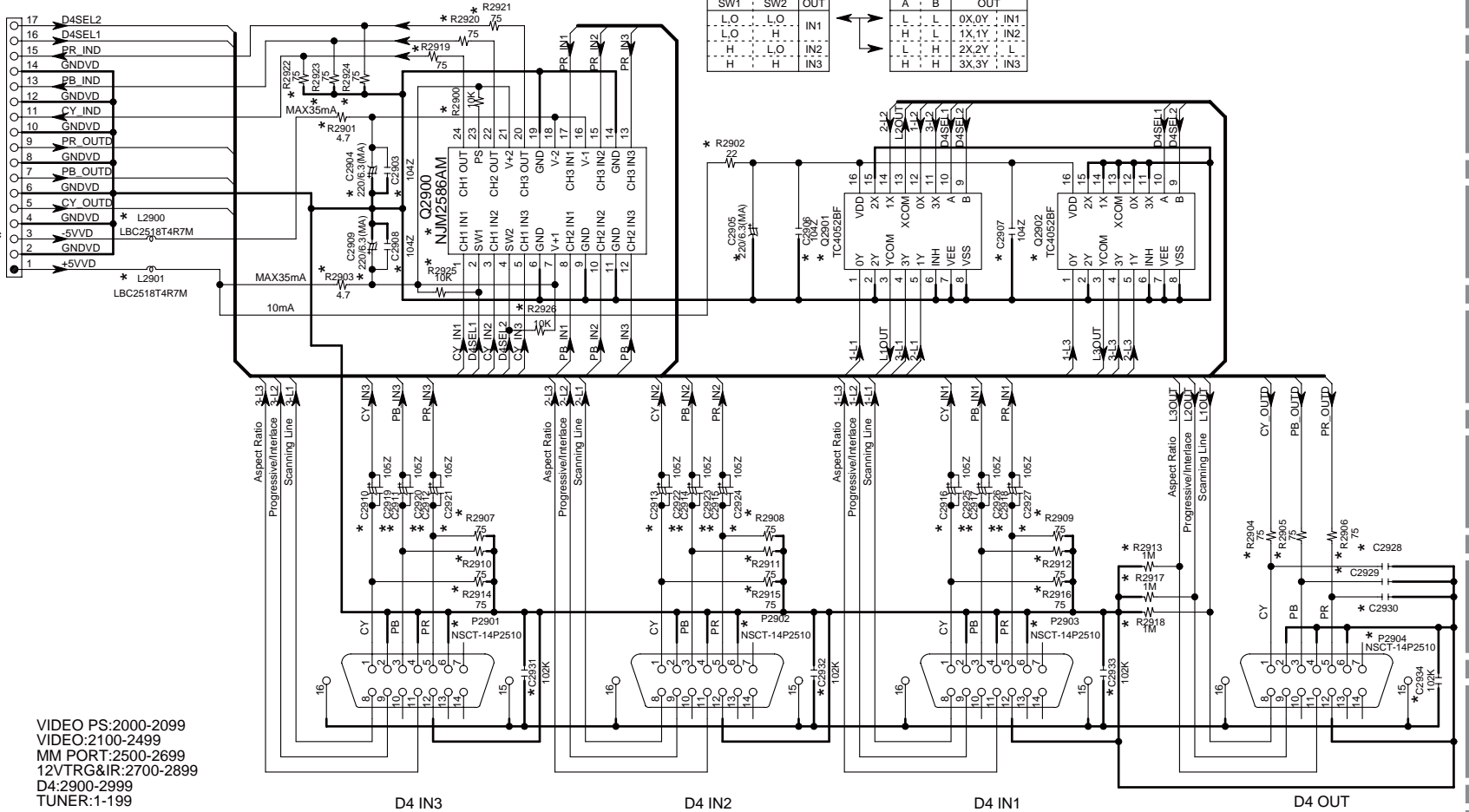
3

4

BAVD-0205

TO Analog Video PWB

SN:204770812 TO BAVD-0203
 P2900=NCFC7-170812 (Part-12 Analog Video Section)
 17PIN6mm/BD (5008SJ Only)



VIDEO PS:2000-2099
 VIDEO:2100-2499
 MM PORT:2500-2699
 12VTRG&IR:2700-2899
 D4:2900-2999
 TUNER:1-199

D4 IN3

D4 IN2

D4 IN1

D4 OUT

SCHEMATIC DIAGRAMS-14

Tuner section

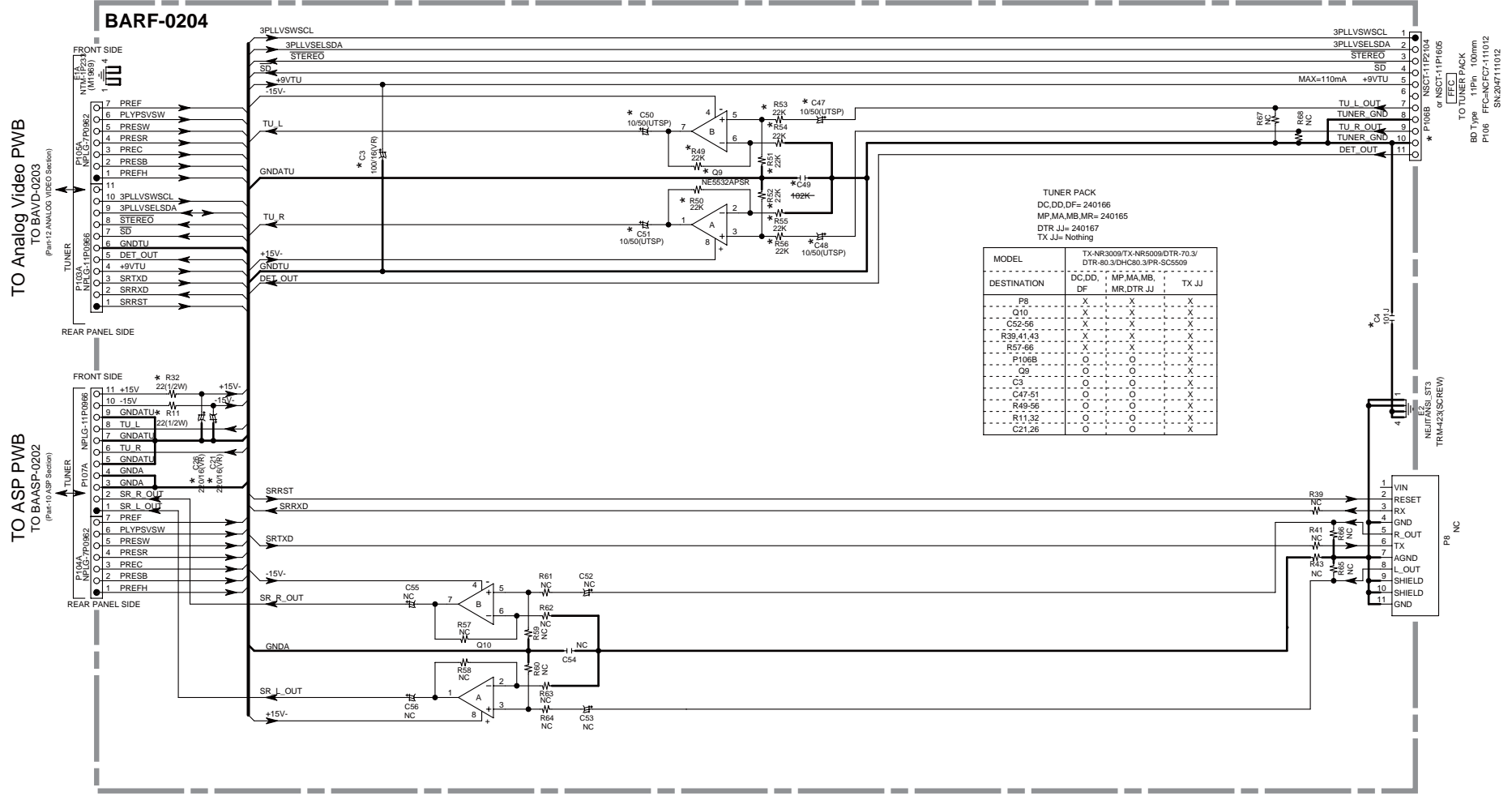
Part-14

1

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4



TO TUNER PACK
or NSCT11P1605
* P100B NSCT11P1604
* P100B NSCT11P1605
TO TUNER PACK
BD Type: 11Pin, 10mm
P106 FCC: 0405010102
SN:247111012

TX-NR3009/TX-NR5009/TX-NA5009/DTR-70.3/DTR-80.3/PR-SC5509/DHC-80.3

SCHEMATIC DIAGRAMS-15

Digital input section

Part-15

1

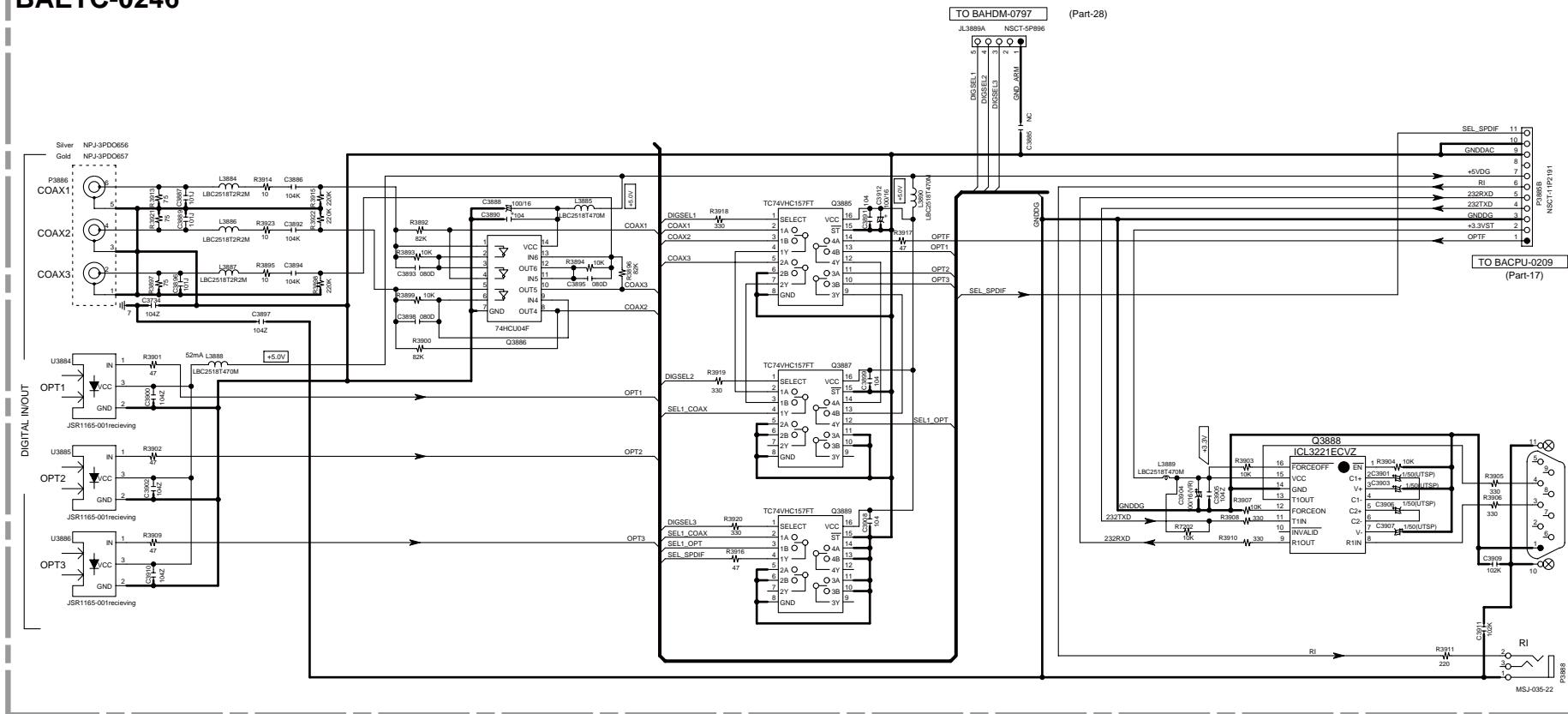
2

3

4

BAETC-0246

DG IN Section

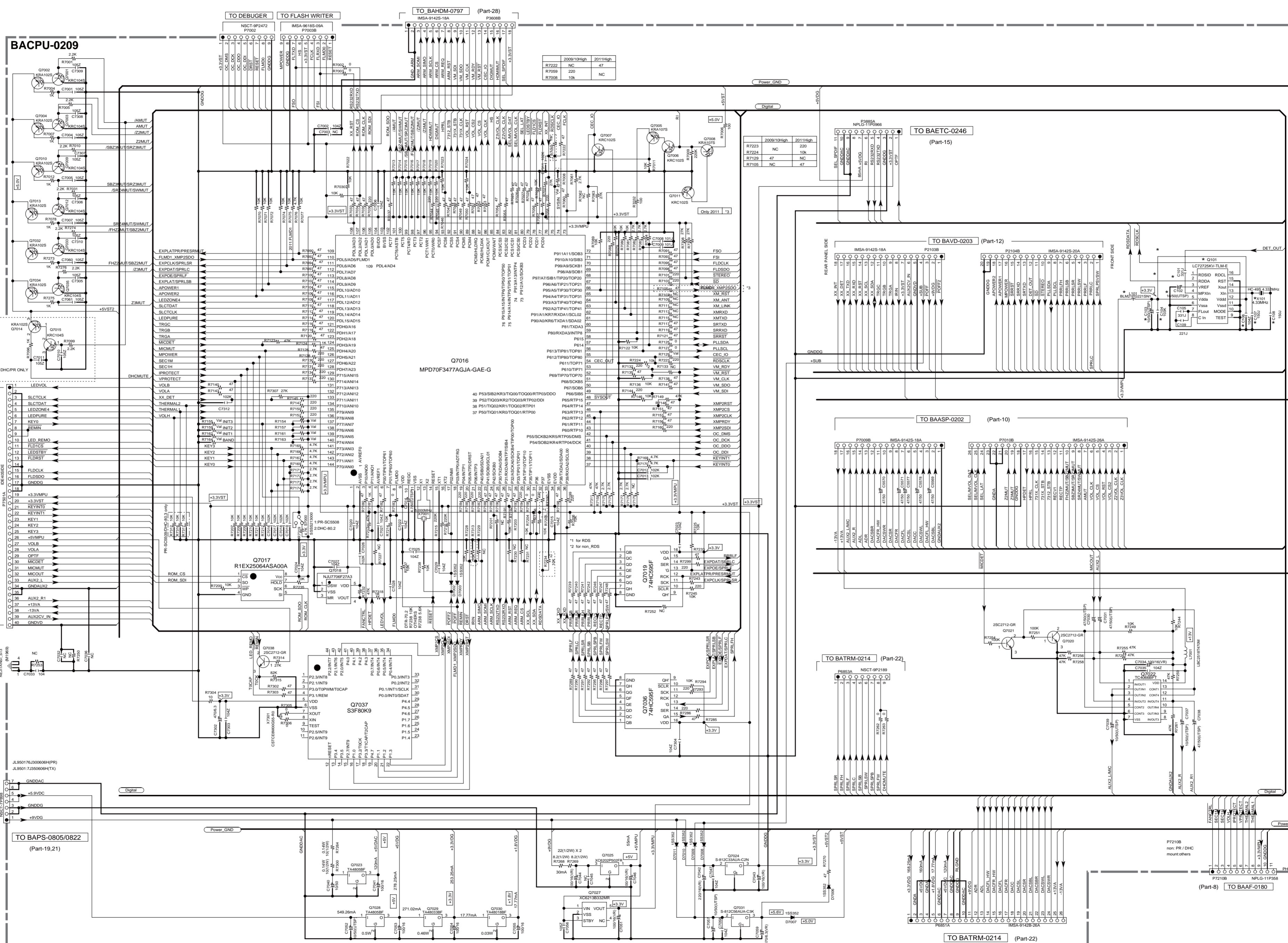


SCHEMATIC DIAGRAMS-17

Main MICON section

Part-17

1
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8



BACPU-0209

TO BAPS-0805/0822 (Part-19,21)

TO BAETC-0246 (Part-15)

TO BAVD-0203 (Part-12)

TO BAASP-0202 (Part-10)

TO BATRM-0214 (Part-22)

TO BATRM-0214 (Part-22)

TO BAAF-0180 (Part-8)

SCHEMATIC DIAGRAMS-18

Display (TX) section

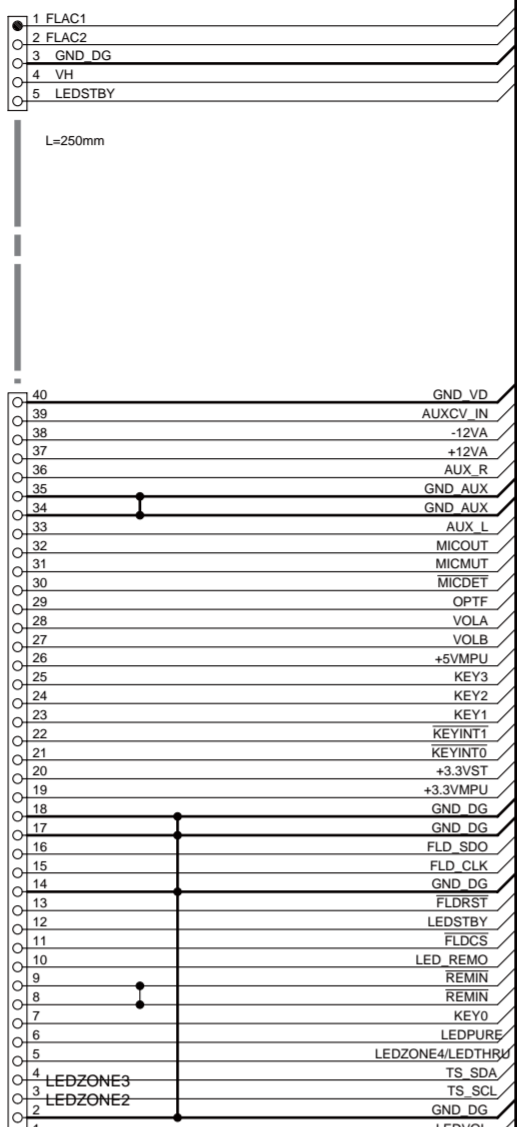
Part-18, Part-27

1
2
3
4
5
6
7
8

BADIS-0803(1/3)

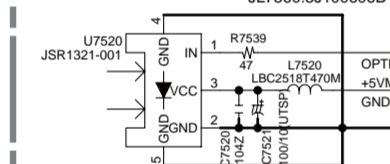
BADIS-0803

NSCT-5P876
JL9303A
(Part-1,2,1)
TO BCP0-0726

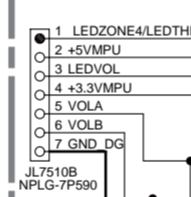


A254WR2-2x20P(IDE40SIDE)
P7501B

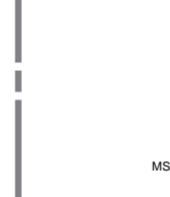
BAETC-0807



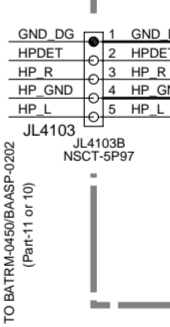
BAETC-0809



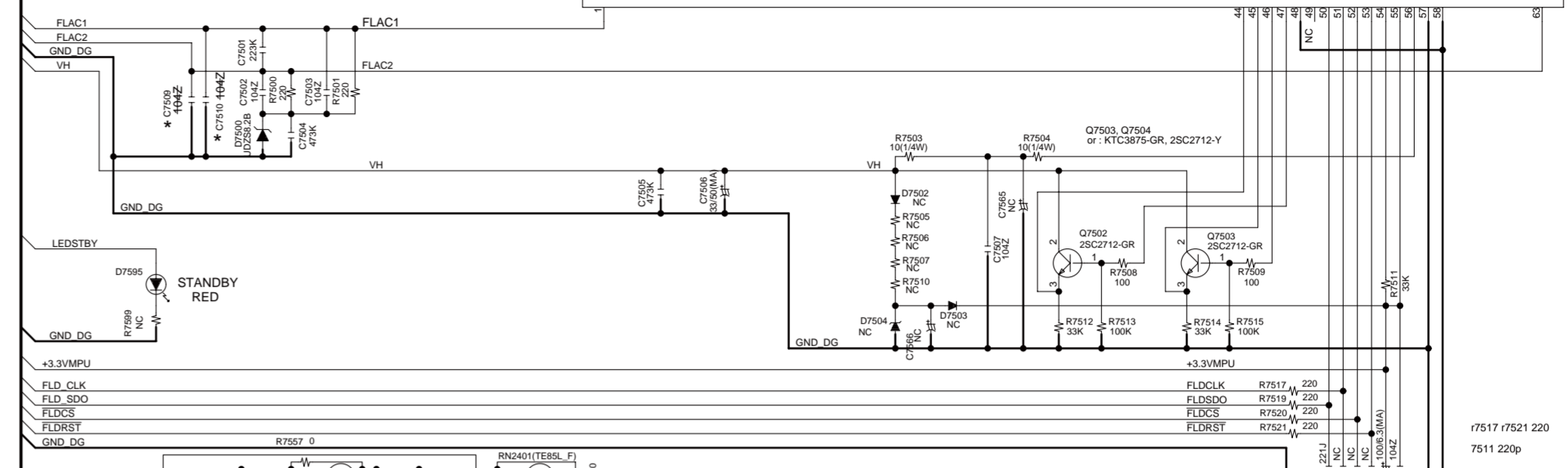
BAETC-0810



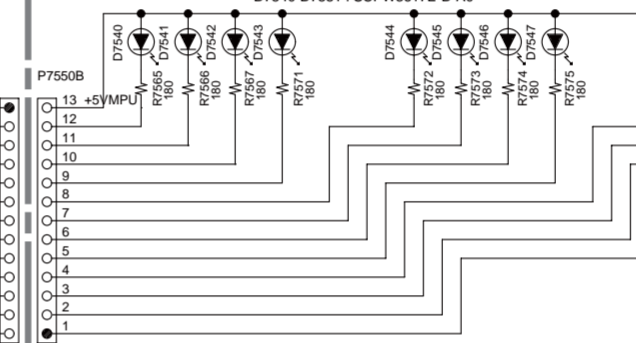
BAETC-0806



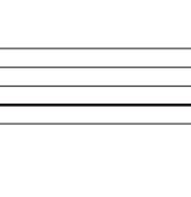
VACUUM FLUORESCENT DISPLAY



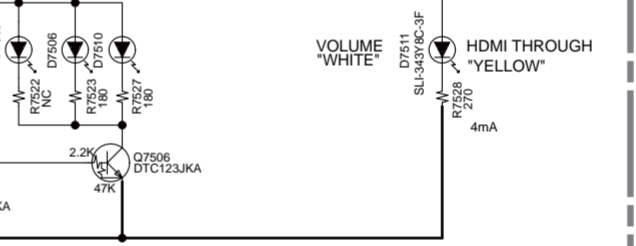
BASW-0871



BASW-0804



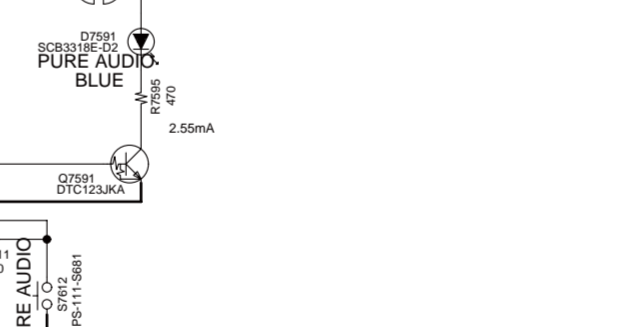
BAETC-0807



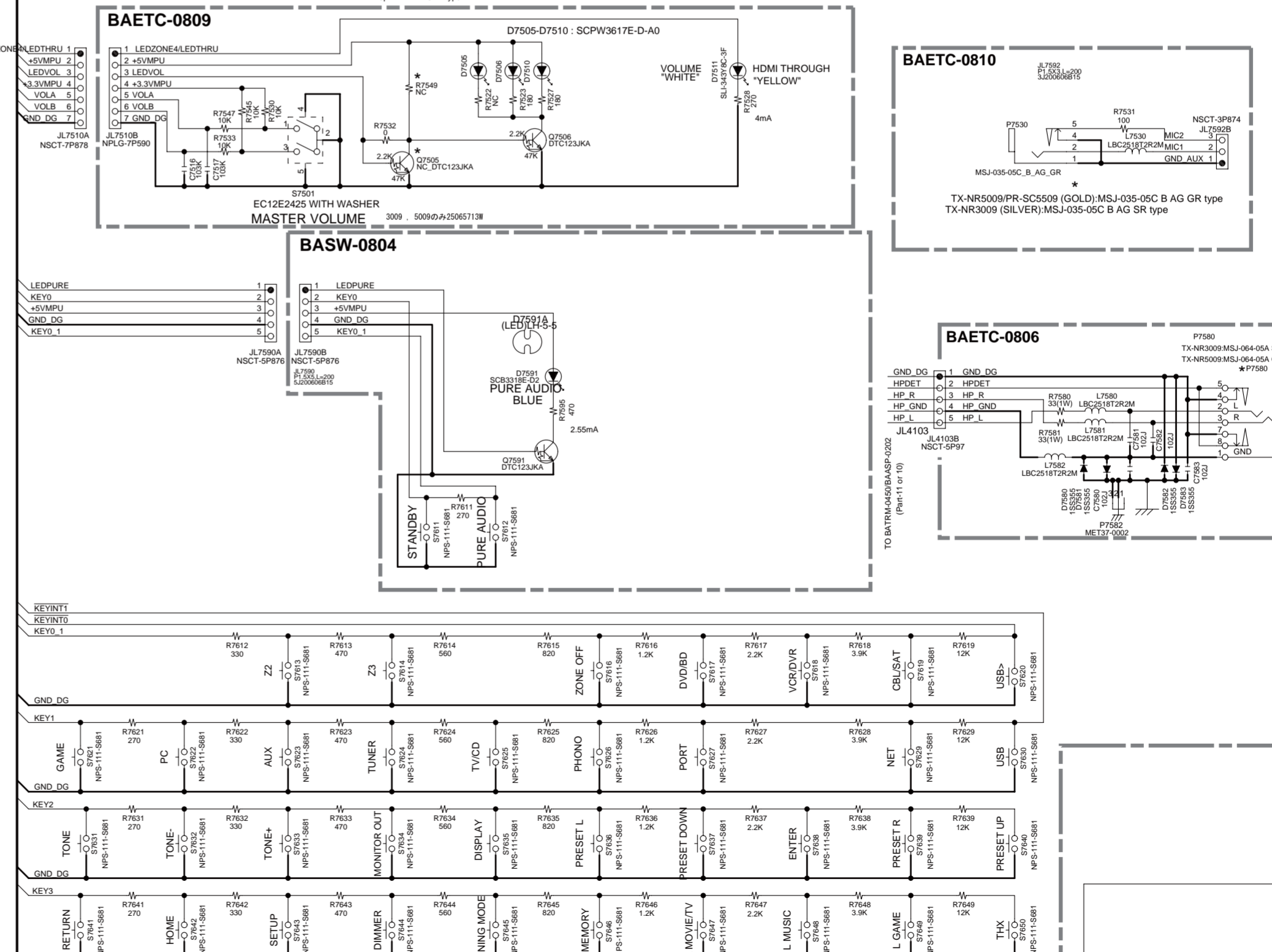
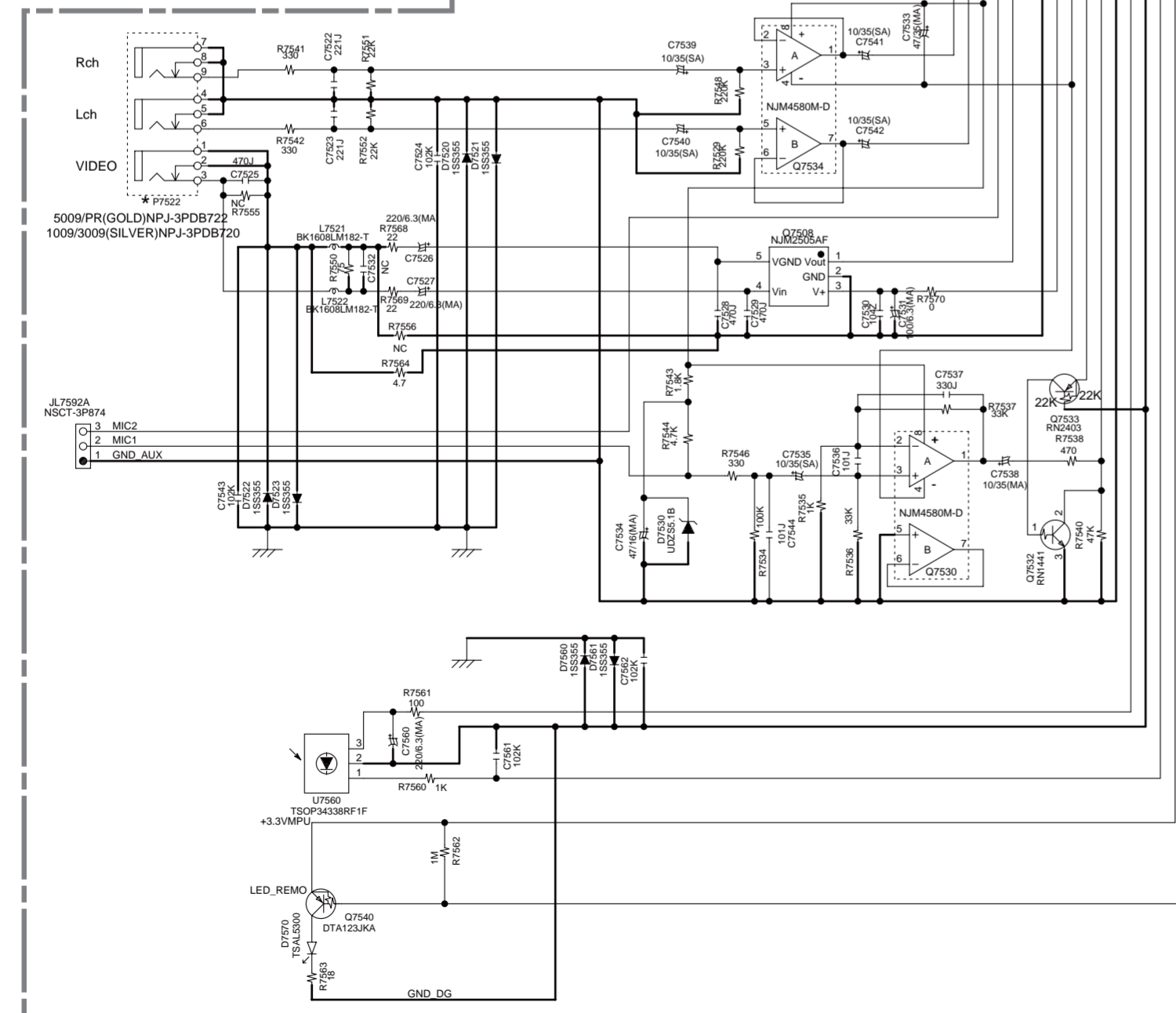
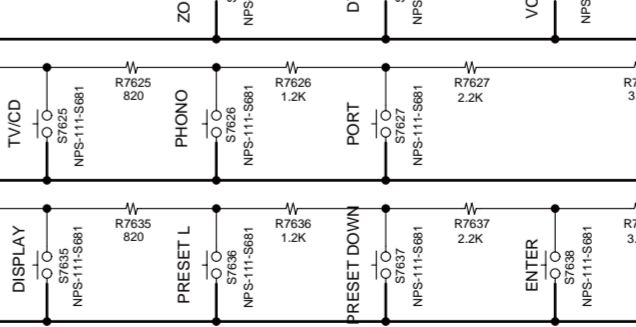
BAETC-0809



BAETC-0810



BAETC-0806



A

B

C

D

E

SCHEMATIC DIAGRAMS-19

Secondary power supply section

Part-19, 28

1

2

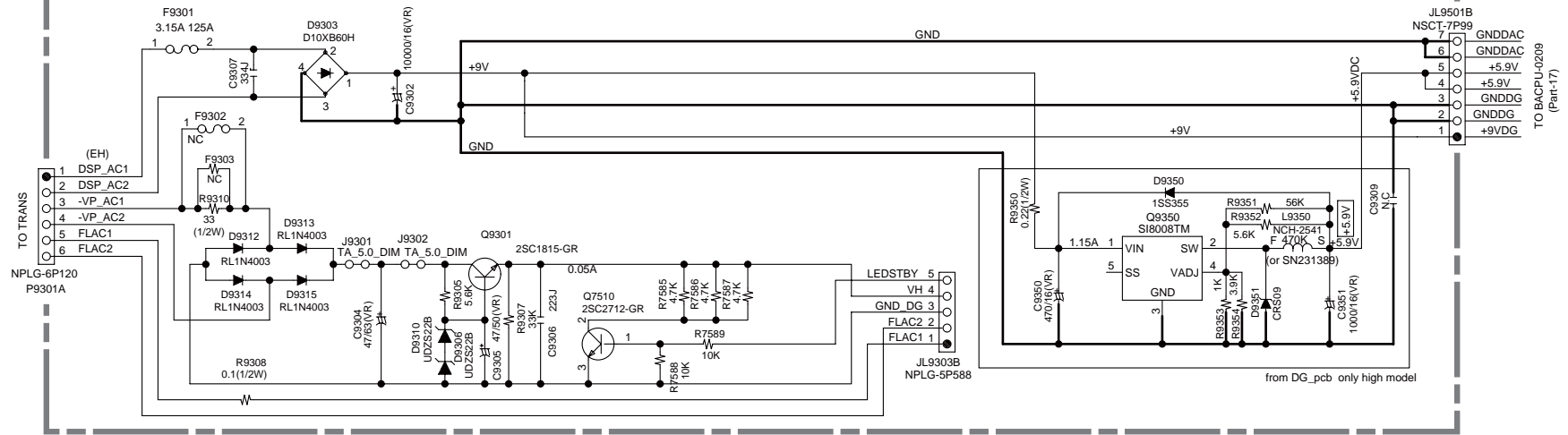
3

4

PS(SECONDARY PS stage) SECTION

BADIS-0805(2/3)

BAPS-0805



A

B

C

D

E

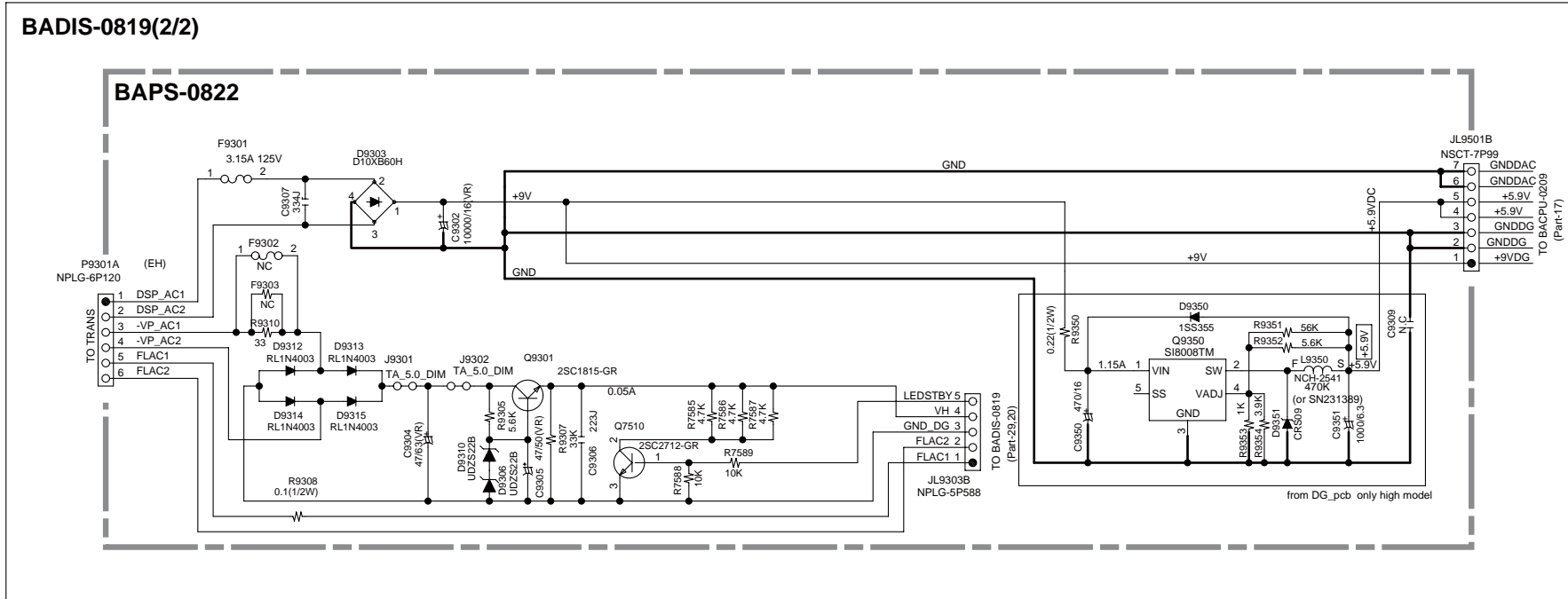
SCHEMATIC DIAGRAMS-21
Secondary power supply section
Part-21

1

2

3

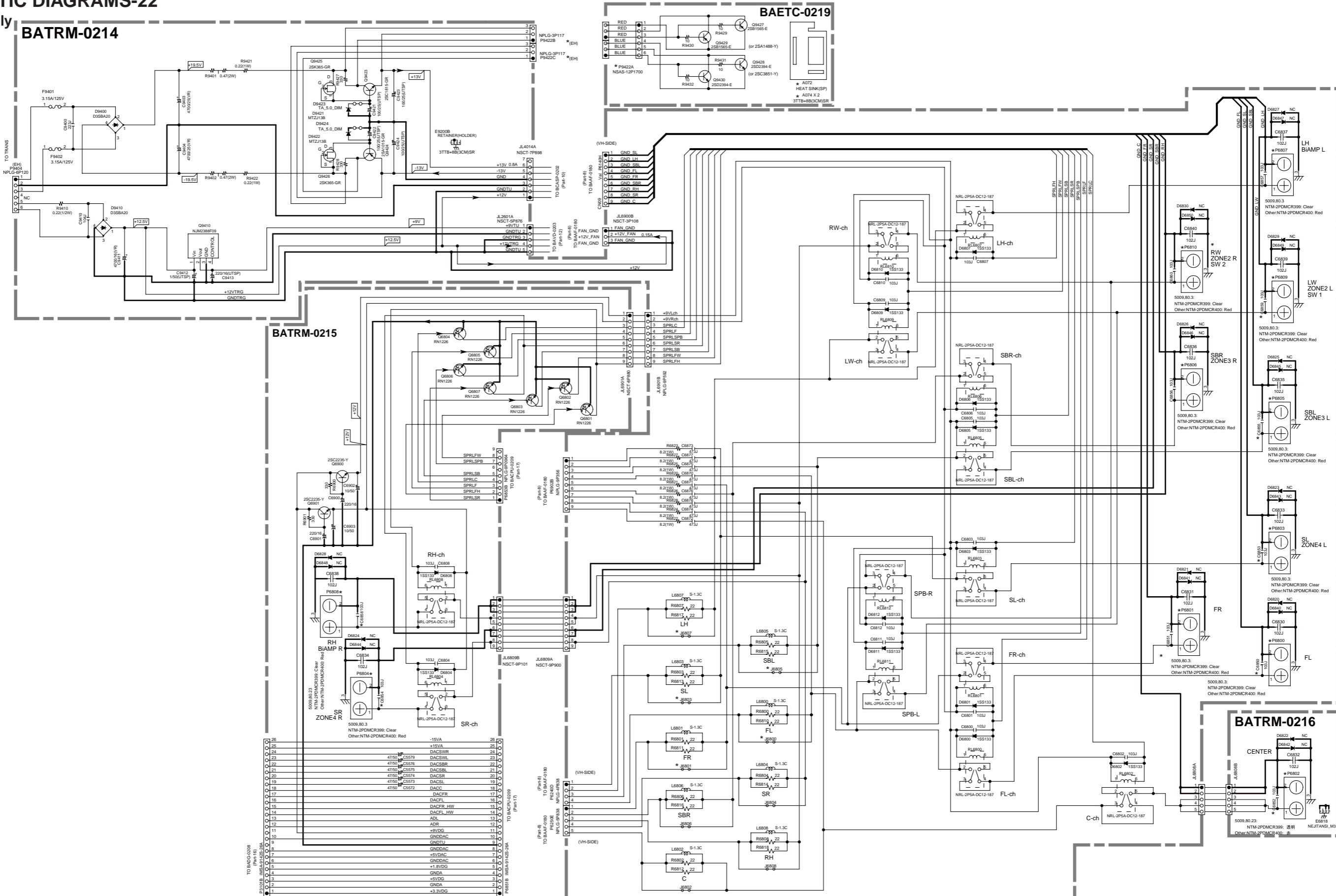
4



809	N	
C9307	C9302	J9311
D9303	D9309	J9310
D9307	C9309	J9312
D9308	R9309	D9311
C9308	J9313	JL9501

SCHEMATIC DIAGRAMS-22

Power supply
& Speaker
terminal
section
Part-22



SCHEMATIC DIAGRAMS-23
Primary power supply (AMP.) section
Part-23

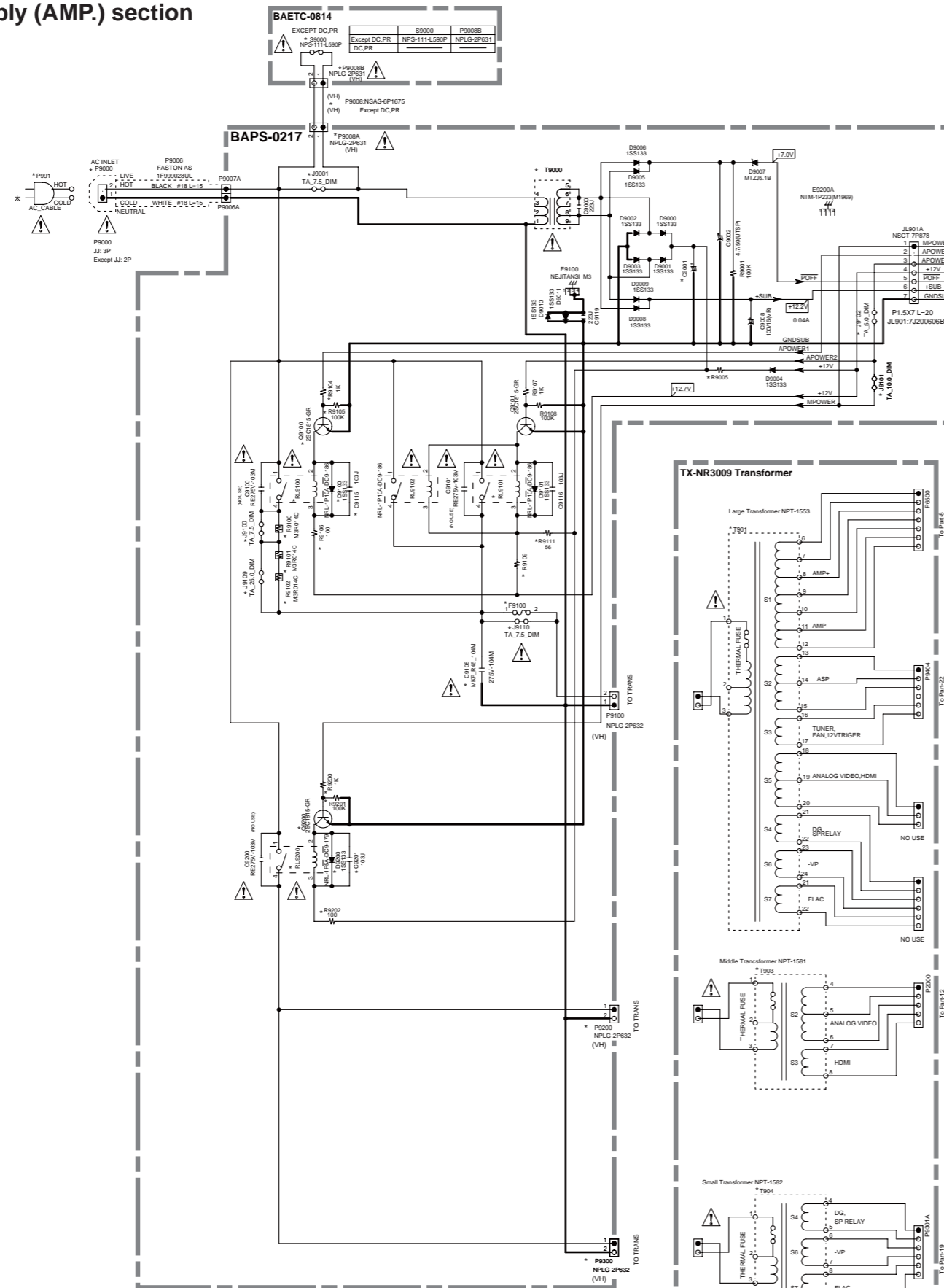
1

2

3

4

5



	70.3	5009	5009/80.3
C9100	Except Jtype	Except Jtype	Except Jtype
C9110	D.J
D9000
D9001
D9002
D9003
D9004
D9005
E9100
E9101
E9102
E9103
E9104
E9105
E9106
E9107
E9108
E9109
E9110
E9111
E9112
E9113
E9114
E9115
E9116
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E9119
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E9129
E9130
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印は火災、感電の危険に關する部品の為、必ず指定部品を使用の事。
 ・電圧表示は辨別符号に添付した標準電圧を示す。
 ・単位V、入力は100V(D.C./V.L.L.の順)
 ・記入なきコンデンサの単位はμF/VVである。
 例 005-30F 330-20pF 331-330pF 333-0.033μF
 ・本図は基本回路図に於ける性能改善により予告なく変更する事がある。

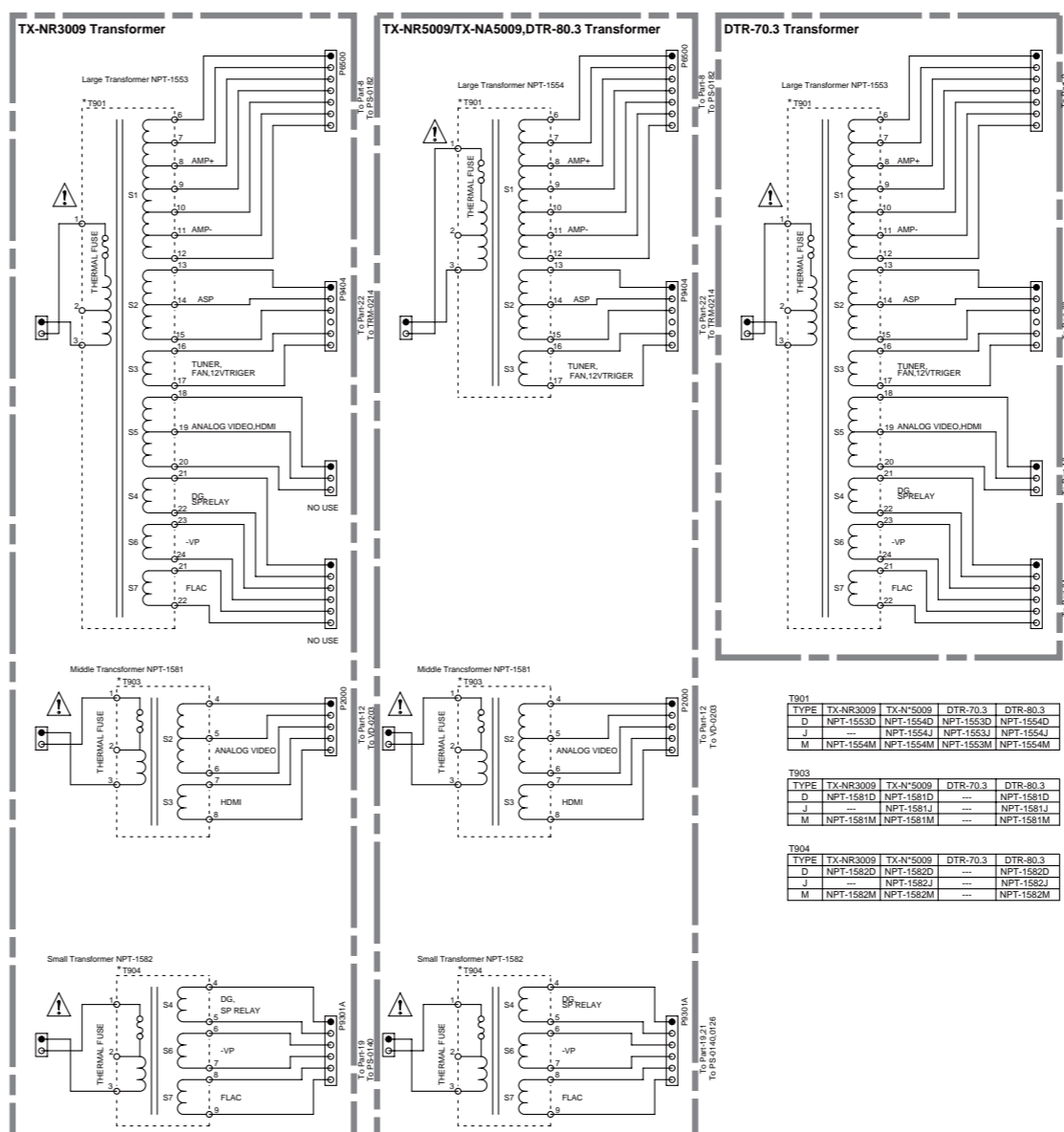
THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
 VOLTAGE(MEASURED WITH VOLTMETER)IS DC VOLTAGE(IND INPUT SIGNAL)
 ELECTROLYTIC CAPACITORS ARE IN μF/PVV
 ALL CAPACITORS ARE IN pF/50V UNLESS OTHERWISE NOTED.
 EX) 030 → 3pF 330 → 33pF 331 → 330pF 333 → 0.033 μF
 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 CALIBRAGE 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 MARKING ADJACENT TO THE SYMBOL.

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



TYPE	TX-NR3009	TX-N5009	DTR-70.3	DTR-80.3
D	NPT-1553D	NPT-1554D	NPT-1553D	NPT-1554D
J	NPT-1554J	NPT-1553J	NPT-1554J	NPT-1553J
M	NPT-1554M	NPT-1553M	NPT-1554M	NPT-1553M

TYPE	TX-NR3009	TX-N5009	DTR-70.3	DTR-80.3
J	NPT-1581J	NPT-1581J	---	NPT-1581J
M	NPT-1581M	NPT-1581M	---	NPT-1581M

TYPE	TX-NR3009	TX-N5009	DTR-70.3	DTR-80.3
D	NPT-1582D	NPT-1582D	---	NPT-1582D
J	---	NPT-1582J	---	NPT-1582J
M	NPT-1582M	NPT-1582M	---	NPT-1582M

SCHEMATIC DIAGRAMS-24

Primary power supply (PRE) section Part-24

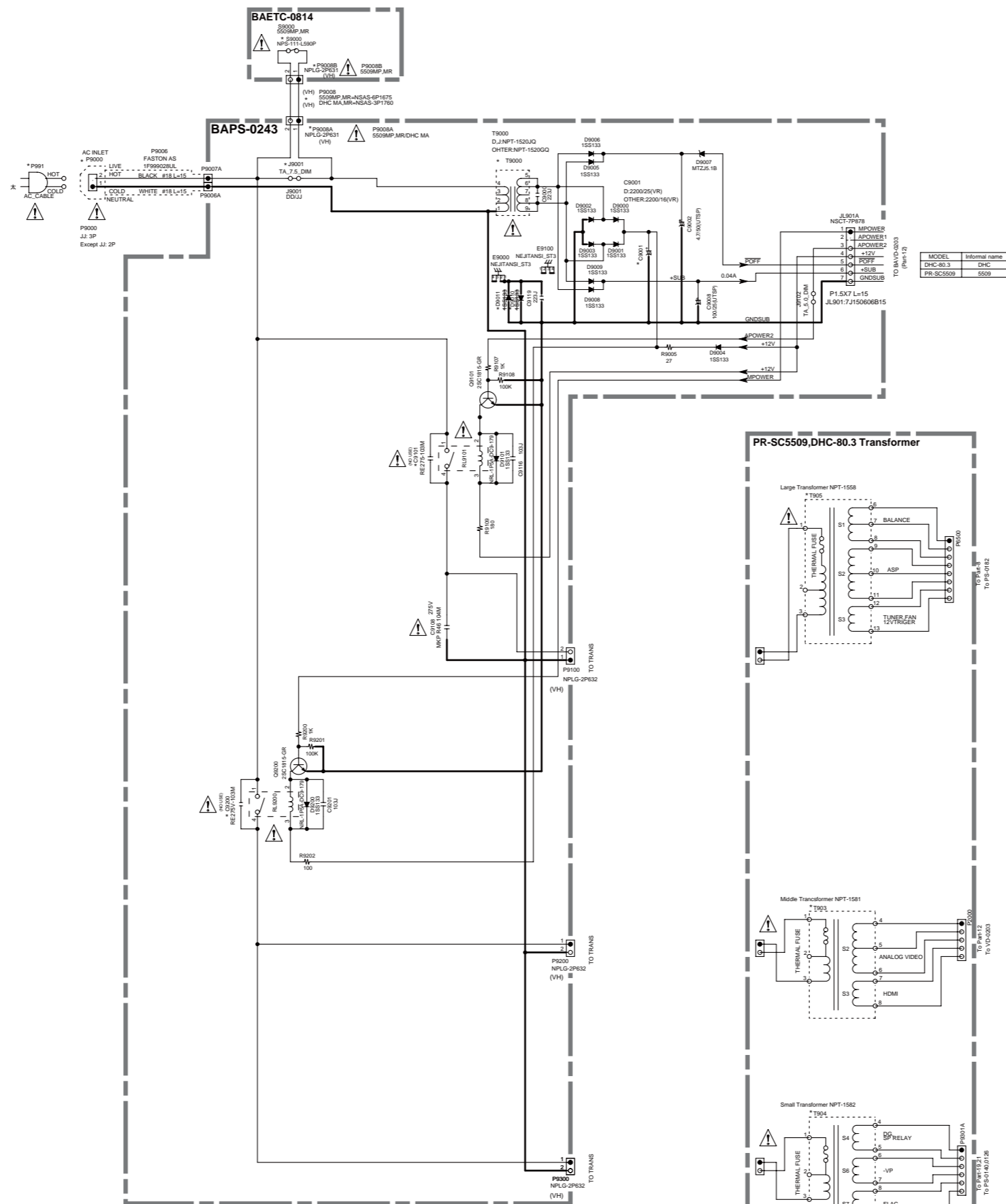
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MODEL	Internal name
DHC-80.3	DHC
PR-SC5509	5509

T905	PR-SC5509	DHC-80.3
D	NPT-1558D	NPT-1558D
J	NPT-1558J	-
M	NPT-1558M	NPT-1558M

T903	PR-SC5509	DHC-80.3
D	NPT-1581D	NPT-1581D
J	NPT-1581J	-
M	NPT-1581M	NPT-1581M

T904	PR-SC5509	DHC-80.3
D	NPT-1581D	NPT-1581D
J	NPT-1581J	-
M	NPT-1581M	NPT-1581M

印は火災、感電の危険に關する部品の為、必ず指定部品を使用の事。
 ・電圧表示は無極電圧に測定した最高電圧を示す。
 (単位V、入力電圧100kΩ/V以上の電圧計)
 ・記入なき電解コンデンサの単位はμF/50Vである。
 例 030→30F 330→330F 331→330F 333→0.033μF
 ・本配線図は基本配線図につき性能改善等により予告なく変更する事がある。

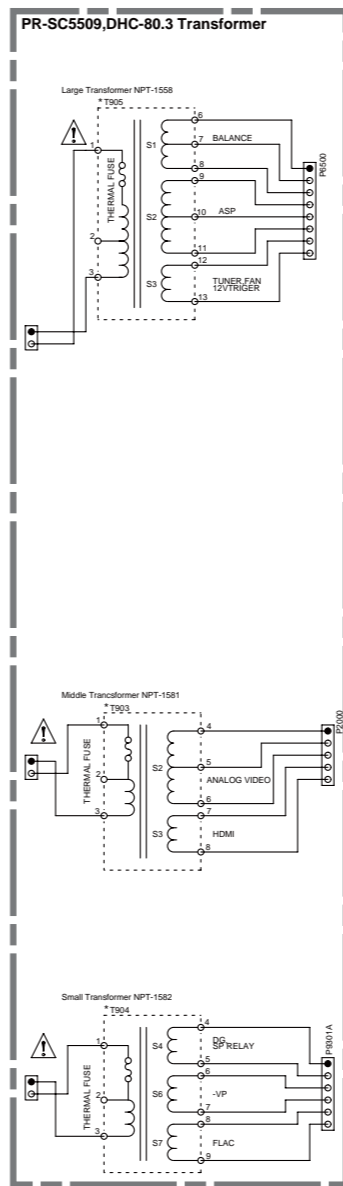
THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY.
 REPLACE ONLY WITH PART NUMBER SPECIFIED.
 ・ VOLTAGE(MEASURED WITH VOLTMETER) IS DC VOLTAGE.(NO INPUT SIGNAL)
 ・ ELECTROLYTIC CAPACITORS ARE IN μF/50V
 ・ ALL CAPACITORS ARE IN pF/500V UNLESS OTHERWISE NOTED.
 EX) 030 → 30F 330 → 330F 331 → 330F 333 → 0.033 μF
 ・ 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
 CAUTION/ AFN D'ASSURER UNE PROTECTION
 PERMANENTE CONTRE LES RISQUES
 D'INCENDIE, REMPLACER UNIQUEMENT
 PAR UN FUSIBLE DE MEME TYPE
 ET CALIBRAGE 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 MARKING 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 SYMBOL EST ADPOSE.



A B C D E F G H

SCHEMATIC DIAGRAMS-25

HDMI input switch section
Part-25

BAHDM-0798 (1 / 9)

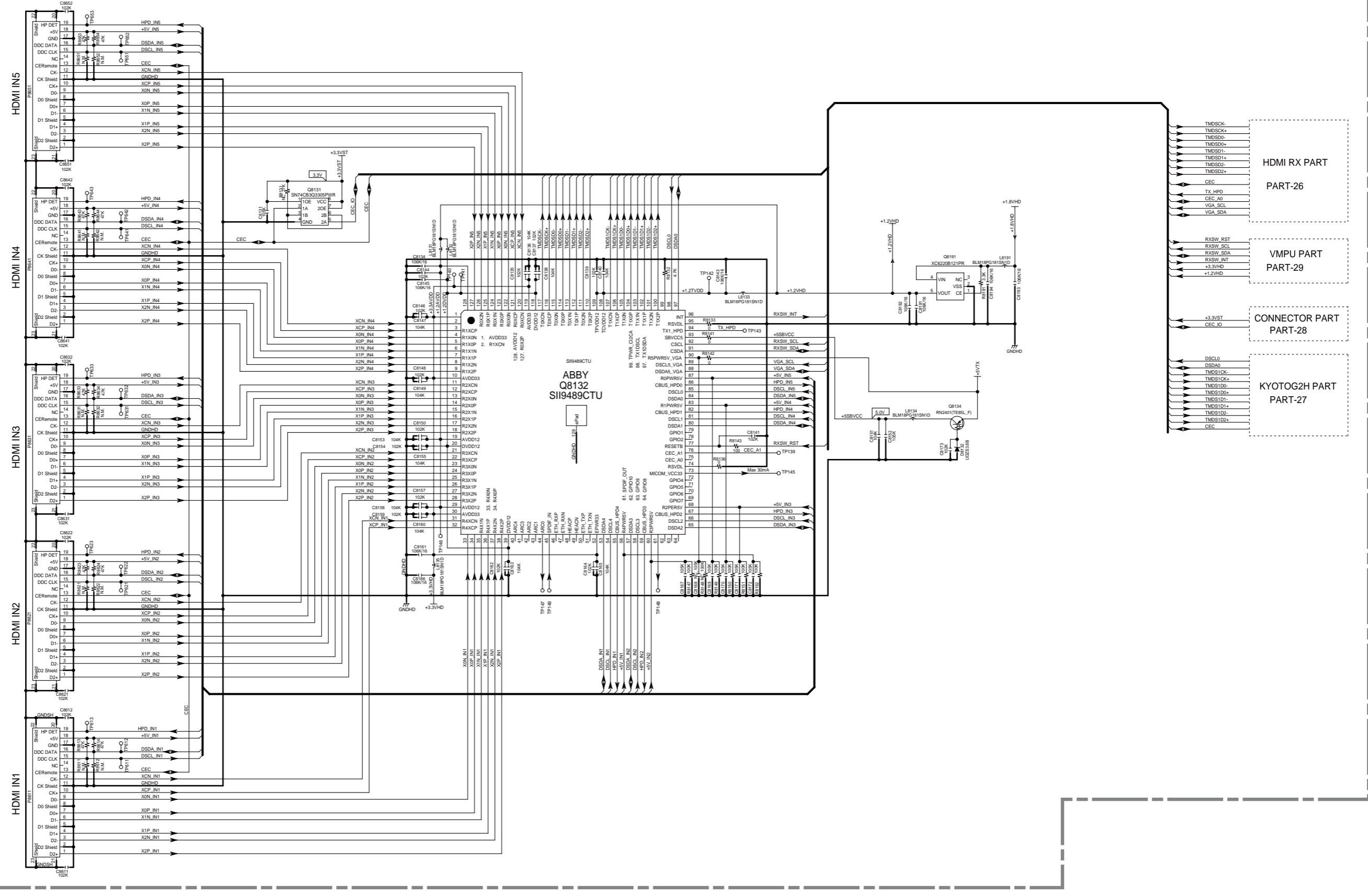
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HDMI RX PART
PART-26

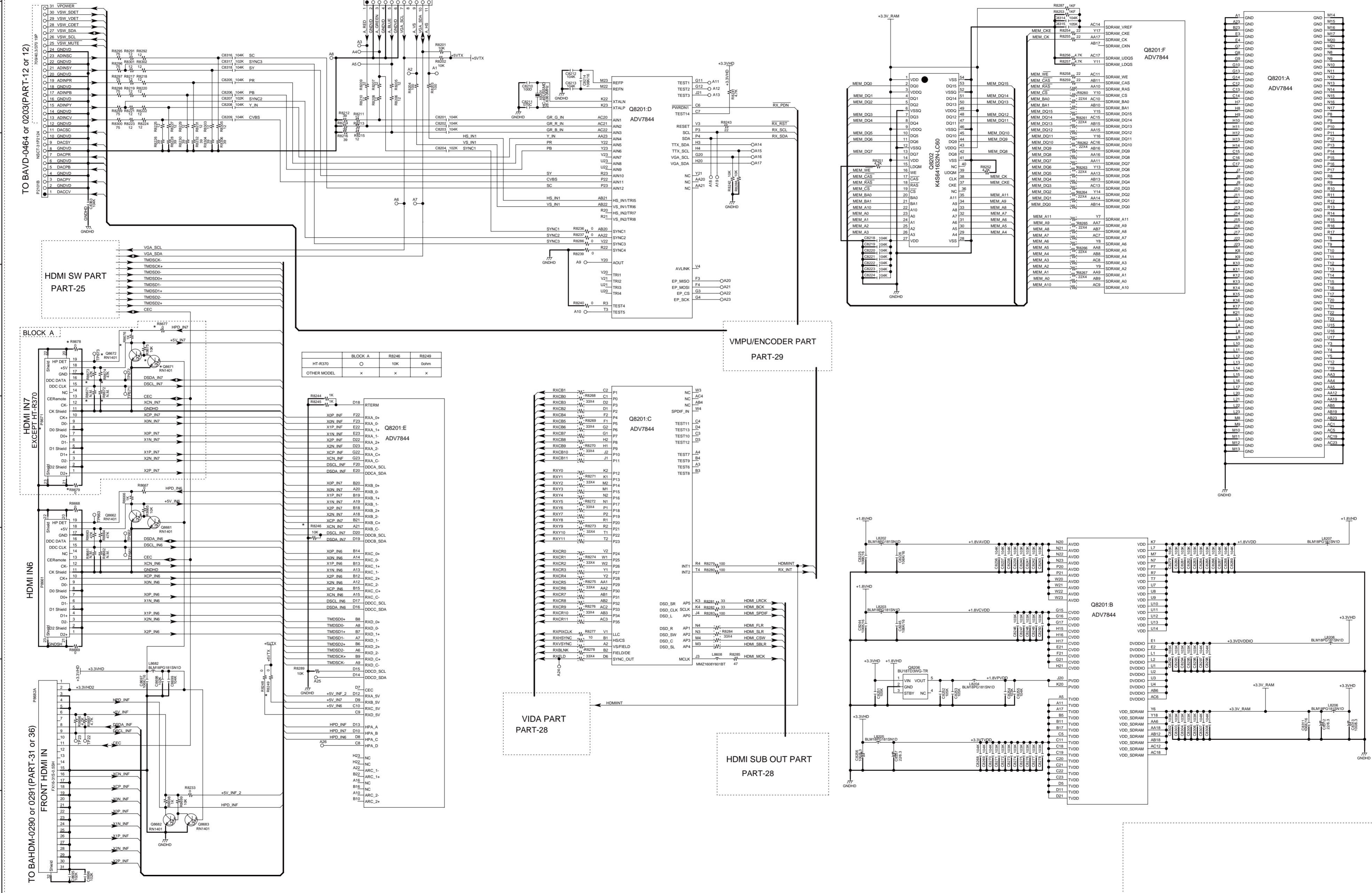
VMPU PART
PART-29

CONNECTOR PART
PART-28

KYOTOG2H PART
PART-27

SCHEMATIC DIAGRAMS-26
HDMI RX/ Decoder section
Part-26

BAHDM-0798 (2 / 9)



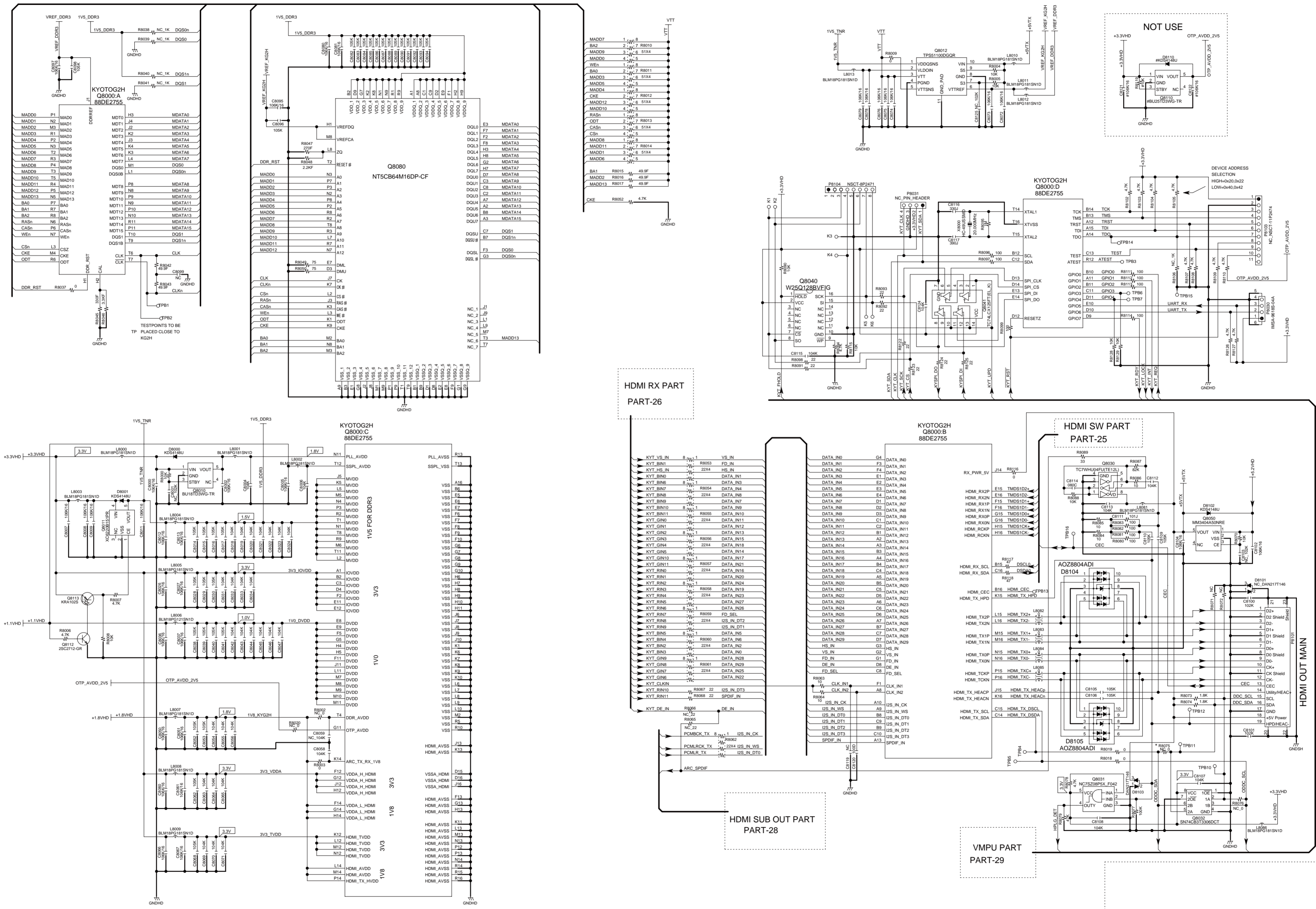
SCHEMATIC DIAGRAM (PART-26)

SCHEMATIC DIAGRAMS-27

Video processor section

Part-27

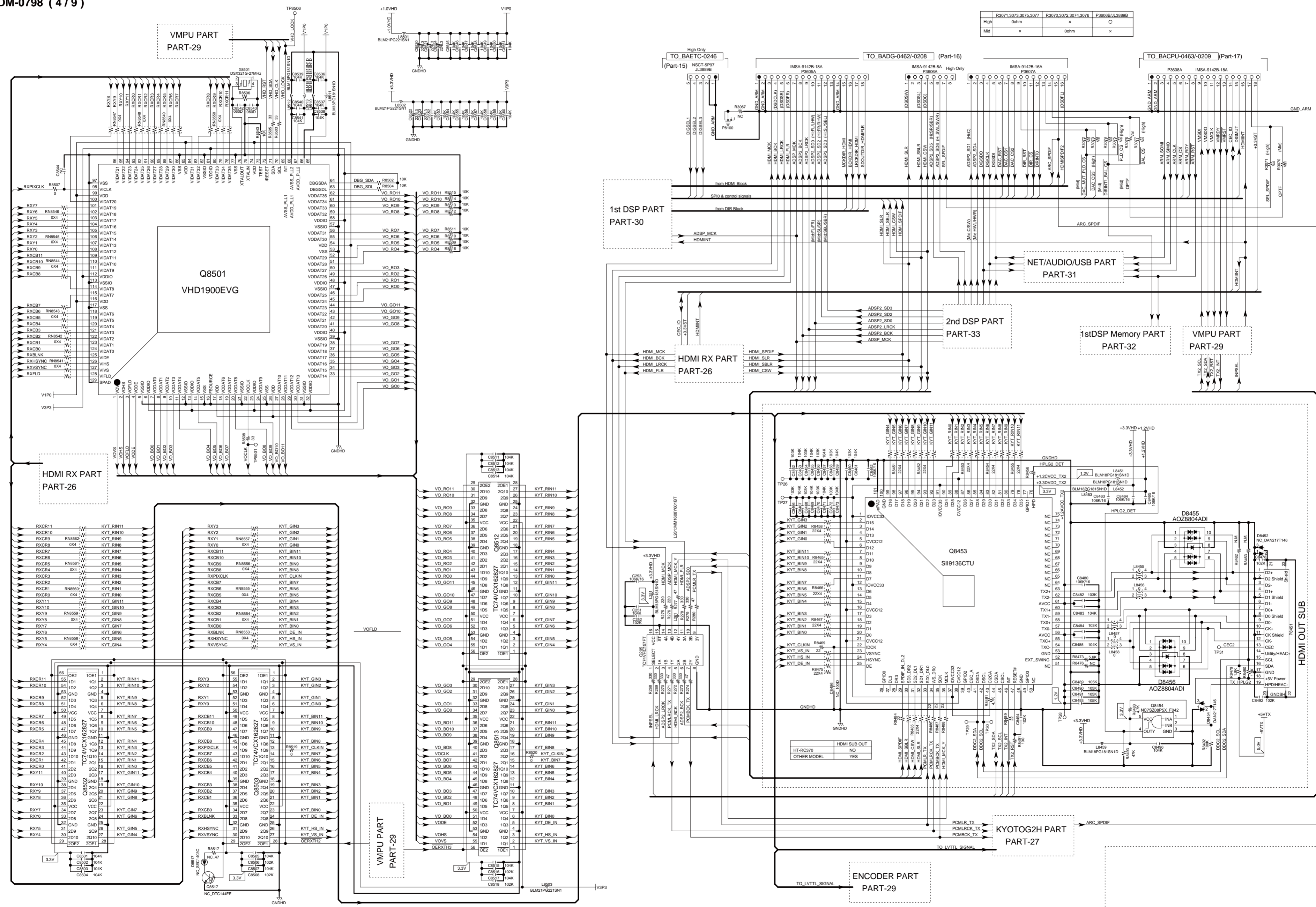
BAHDM-0798 (3 / 9)



SCHEMATIC DIAGRAMS-28
VIDA/ HDMI Sub out/ connector section
Part-28

SCHEMATIC DIAGRAM (PART-28)

BAHDM-0798 (4 / 9)

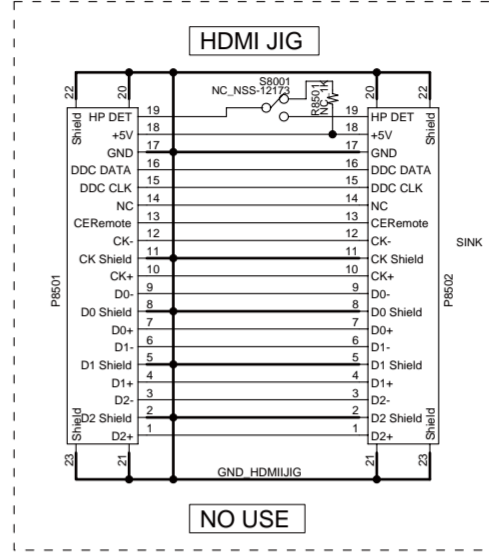
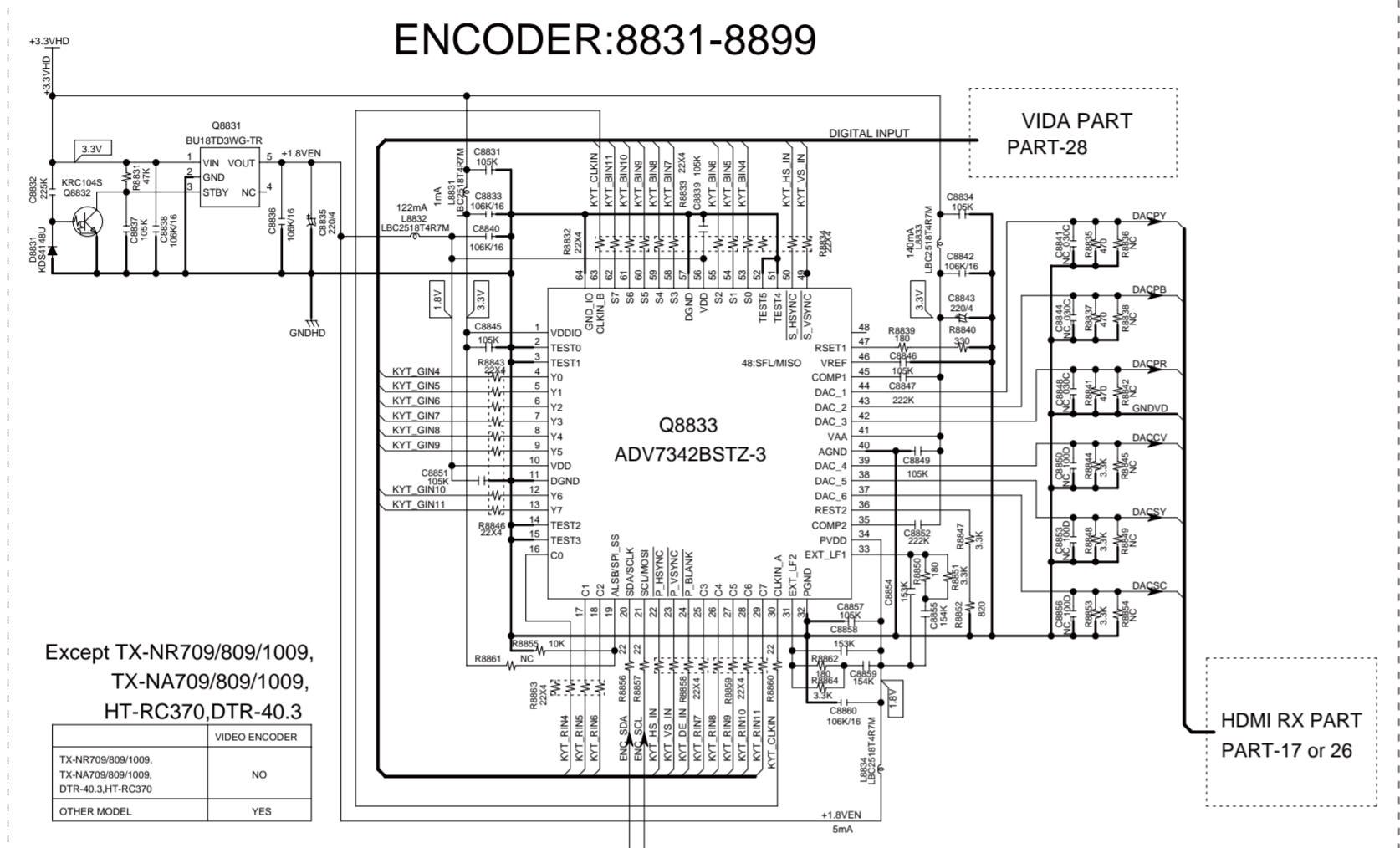


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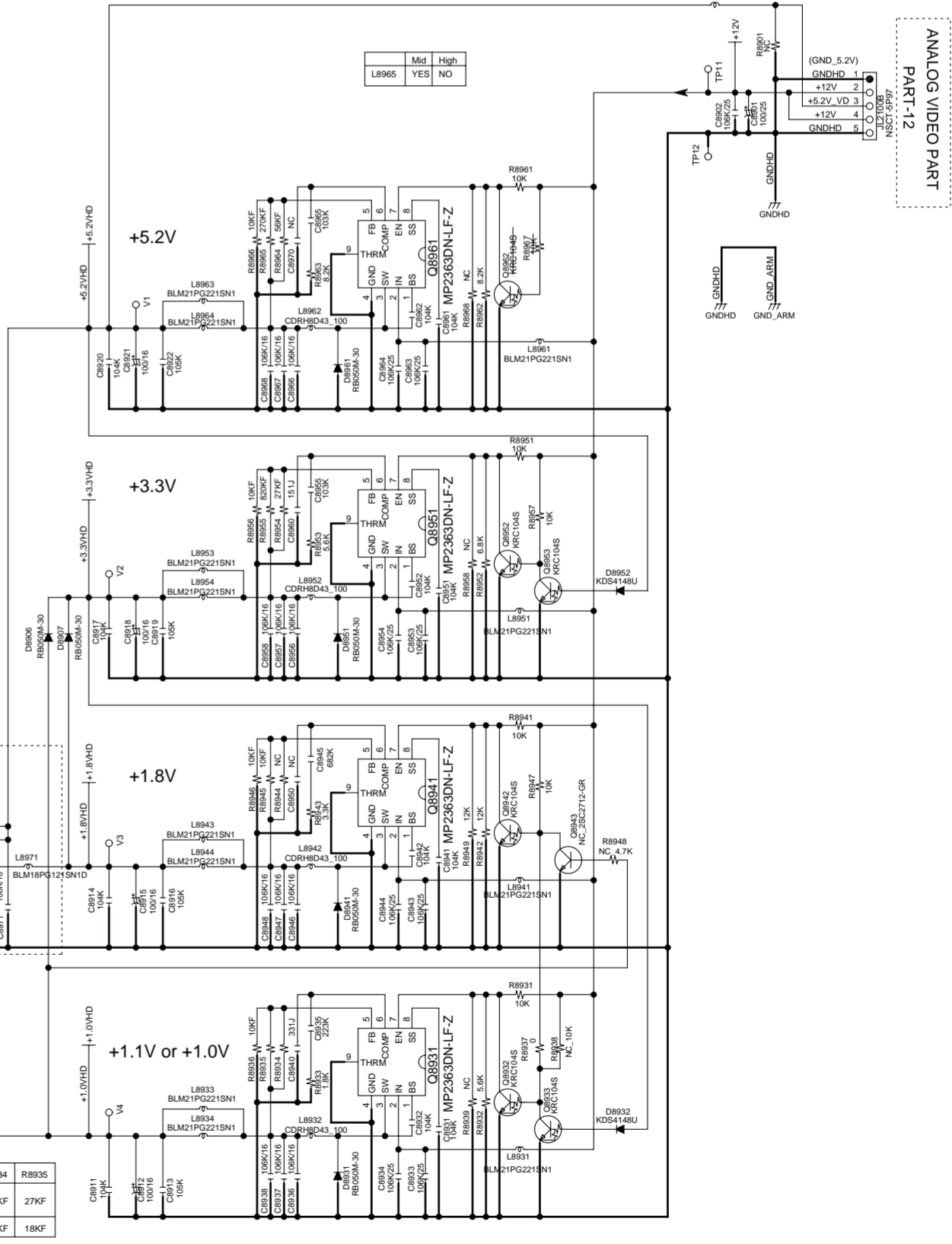
SCHEMATIC DIAGRAMS-29
VMPU/ Encoder/ Power supply section
Part-29

VMPU/ENCODER/POWER SUPPLY SECTION

BAHDM-0798 (5 / 9)



POWER SUPPLY



CONNECTOR PART
PART-28

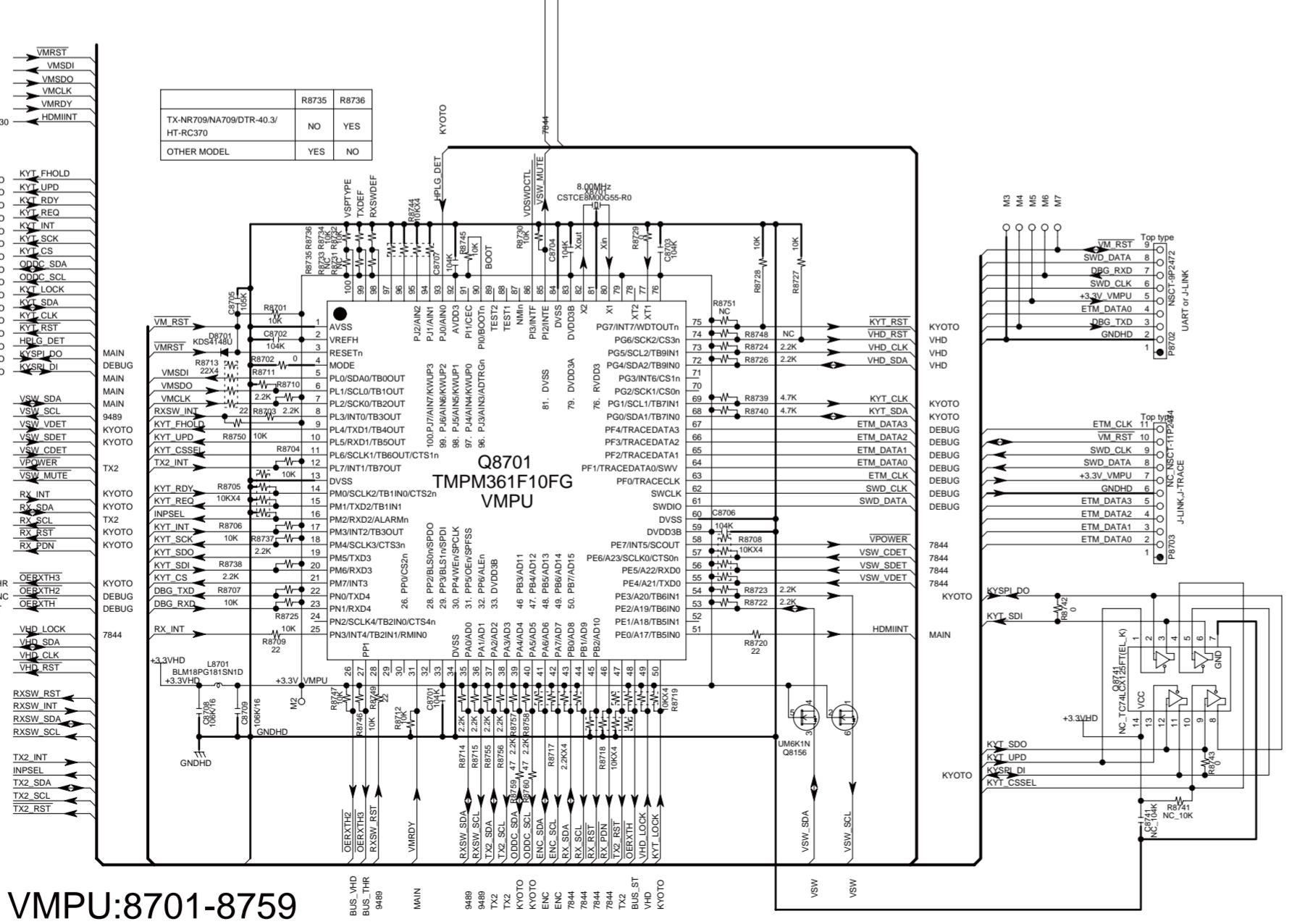
KYOTOG2H PART
PART-27

HDMI RX PART
PART-26

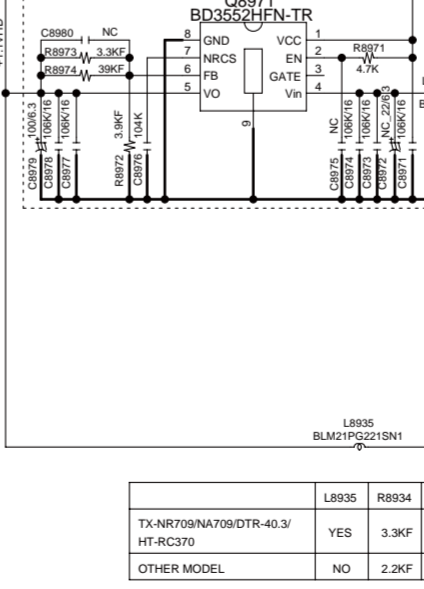
VIDA PART
PART-28

HDMI SW PART
PART-25

HDMI SUB OUT PART
PART-29



+1.1V
EXCEPT TX-NR709/HT-R370/DTR-40.3



TX-NR709/NA709/DTR-40.3/ HT-RC370	L8935	R8934	R8935
OTHER MODEL	NO	2.2K	18K

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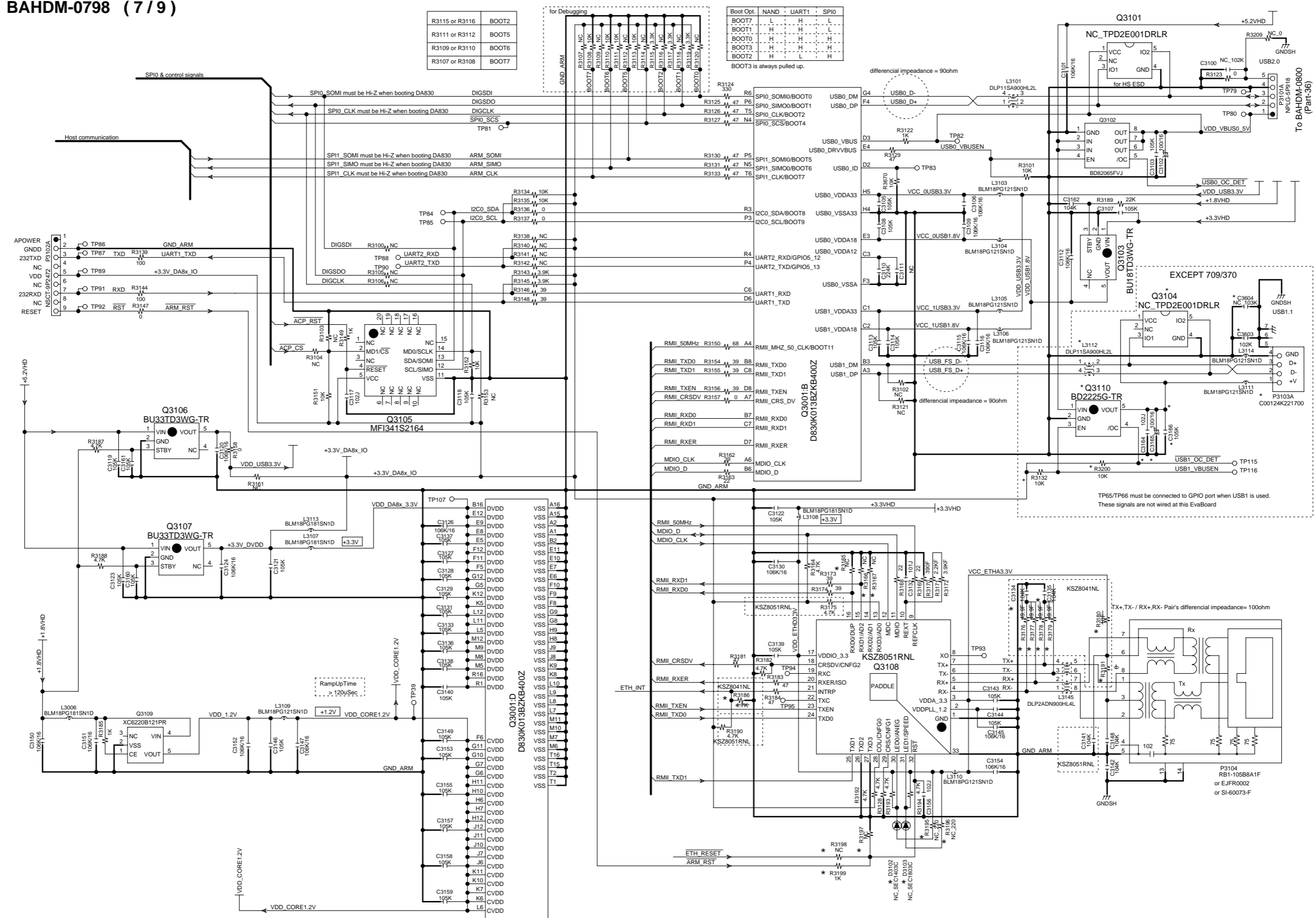
SCHEMATIC DIAGRAMS-31

Net/ USB/ GPIO section
Part-31

BAHDM-0798 (7/9)

Ethernet/USB/GPIO Section

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R3115 or R3116	BOOT2
R3111 or R3112	BOOT5
R3109 or R3110	BOOT6
R3107 or R3108	BOOT7

Boot Opt.	NAND	UART1	SPI0
BOOT7	L	H	L
BOOT1	H	H	L
BOOT0	H	H	L
BOOT3	H	H	H
BOOT2	H	L	H

BOOT3 is always pulled up.

To BAHDM-0800 (Part-36)

EXCEPT 709/370

TP65/TP66 must be connected to GPIO port when USB1 is used. These signals are not wired at this EvaBoard.

TX+, TX- / RX+, RX- Pair's differential impedance= 100ohm

P3104 RB1-105BBA1F or E1JFR0002 or SI-60073-F

SCHEMATIC DIAGRAMS-32
1st DSP Memory section
Part-32

SCHEMATIC DIAGRAM (PART-32)

BAHDM-0798 (8 / 9)

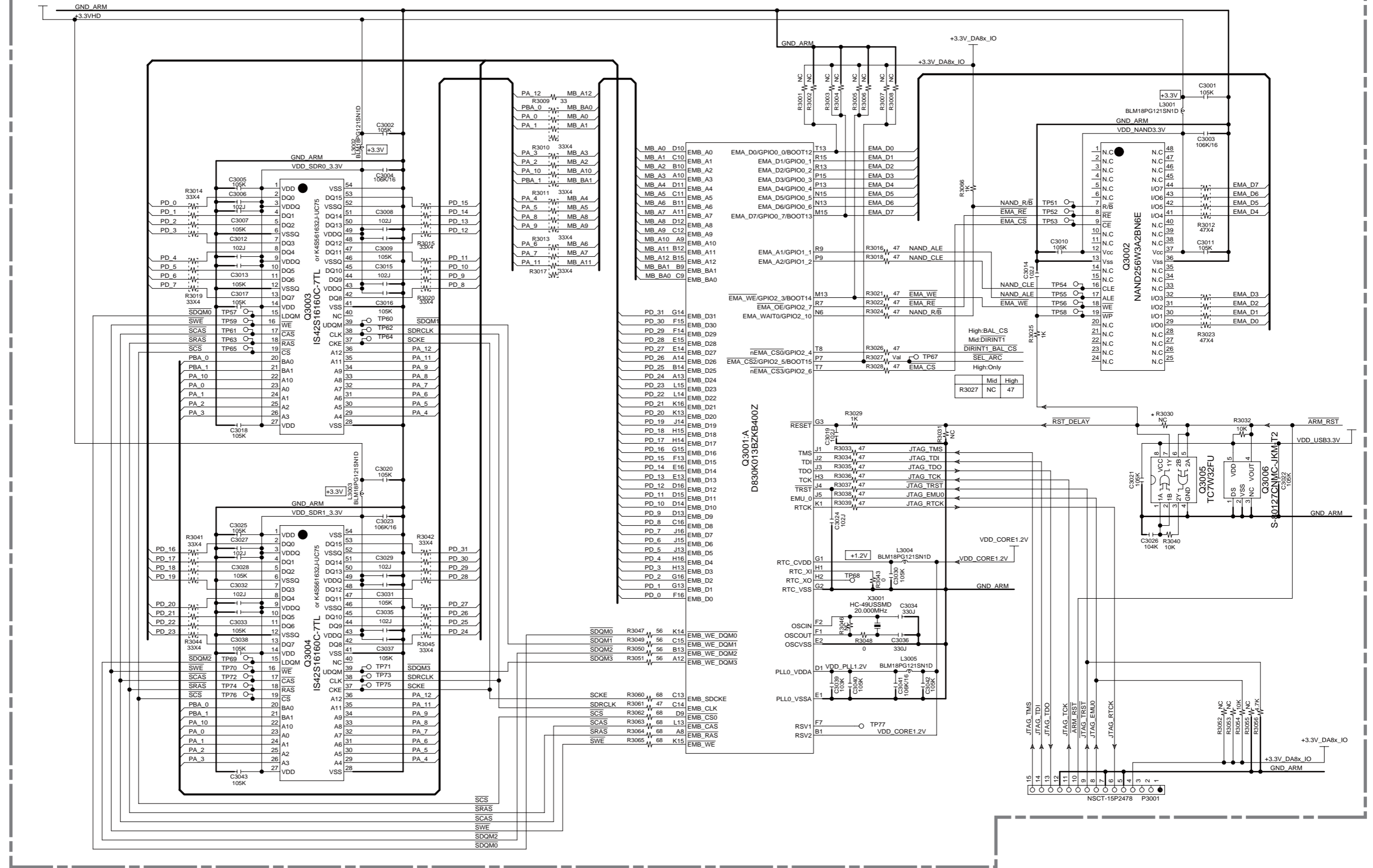
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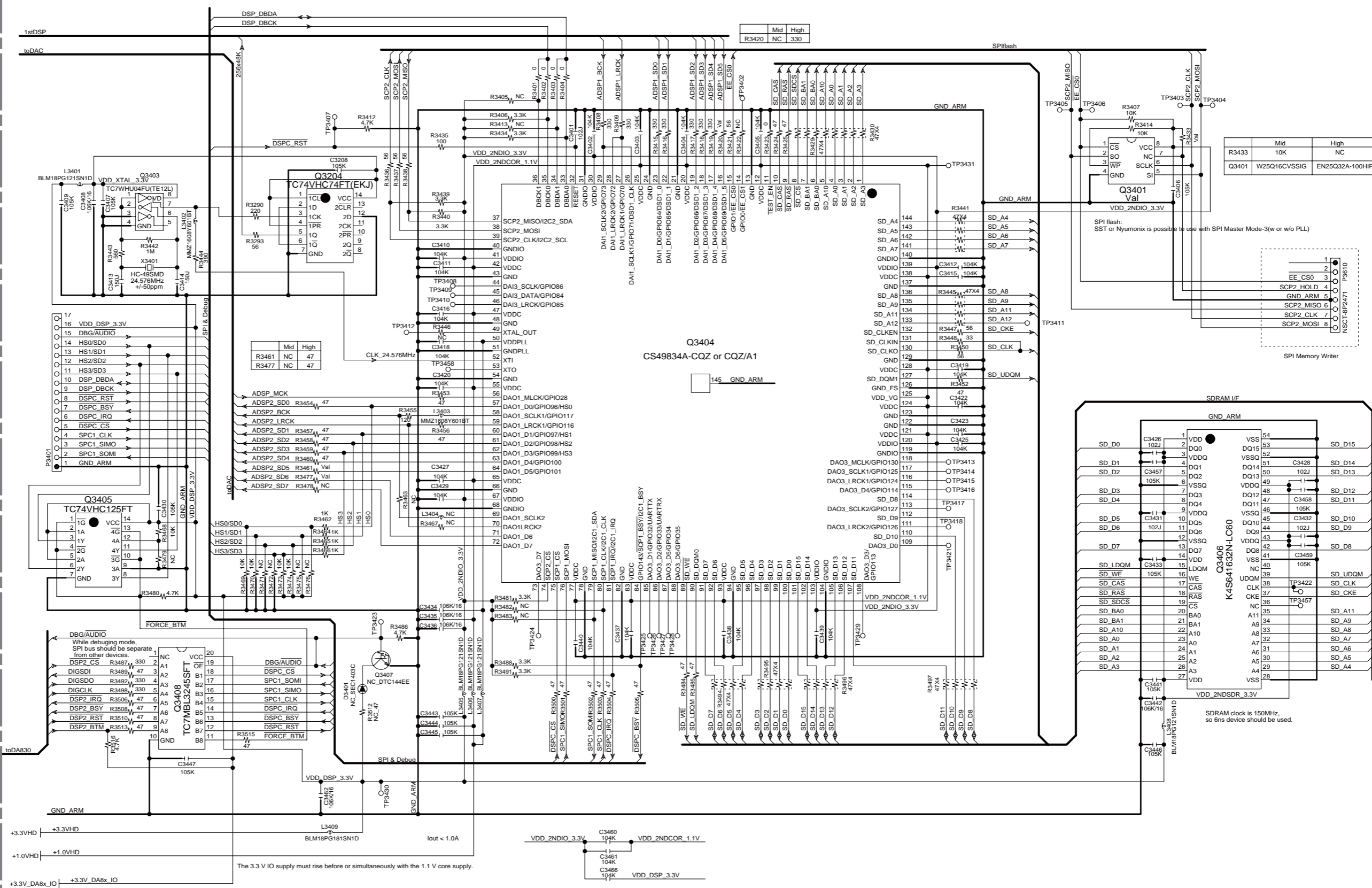
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SCHEMATIC DIAGRAMS-33
2nd DSP section
Part-33

2nd DSP SECTION

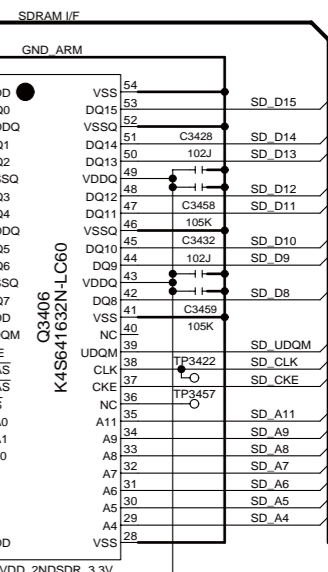
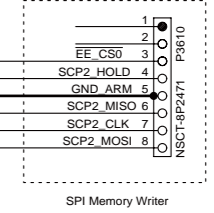
BAHDM-0798 (9/9)



	Mid	High
R3461	NC	47
R3477	NC	47

	Mid	High
R3420	NC	330

	Mid	High
R3433	10K	NC
Q3401	W25Q16CVSSIG	EN25Q32A-100HIP



The 3.3V IO supply must rise before or simultaneously with the 1.1V core supply.

for bypassing high frequency current of power plane

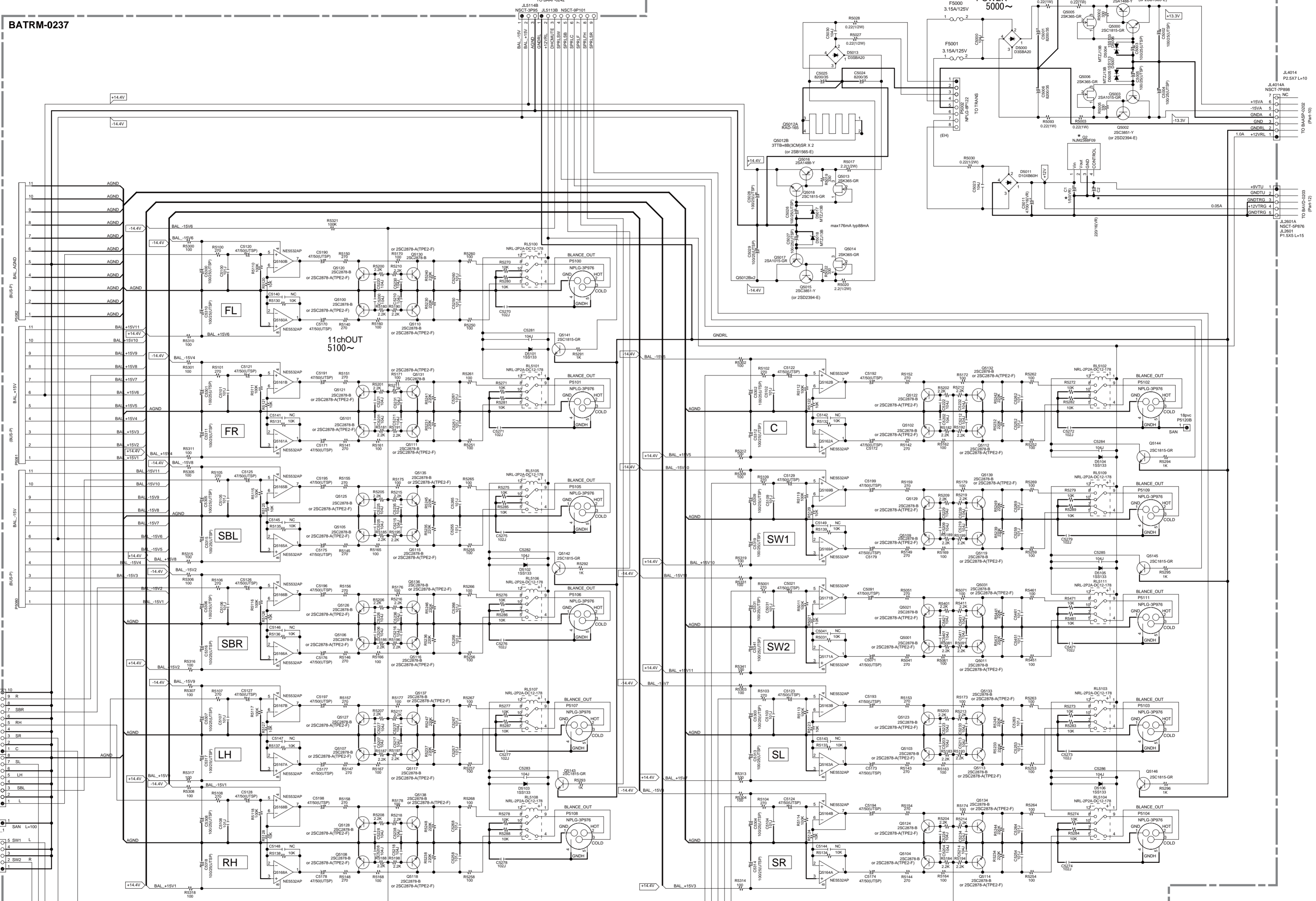
SCHEMATIC DIAGRAMS-34

Balance output section

Part-34

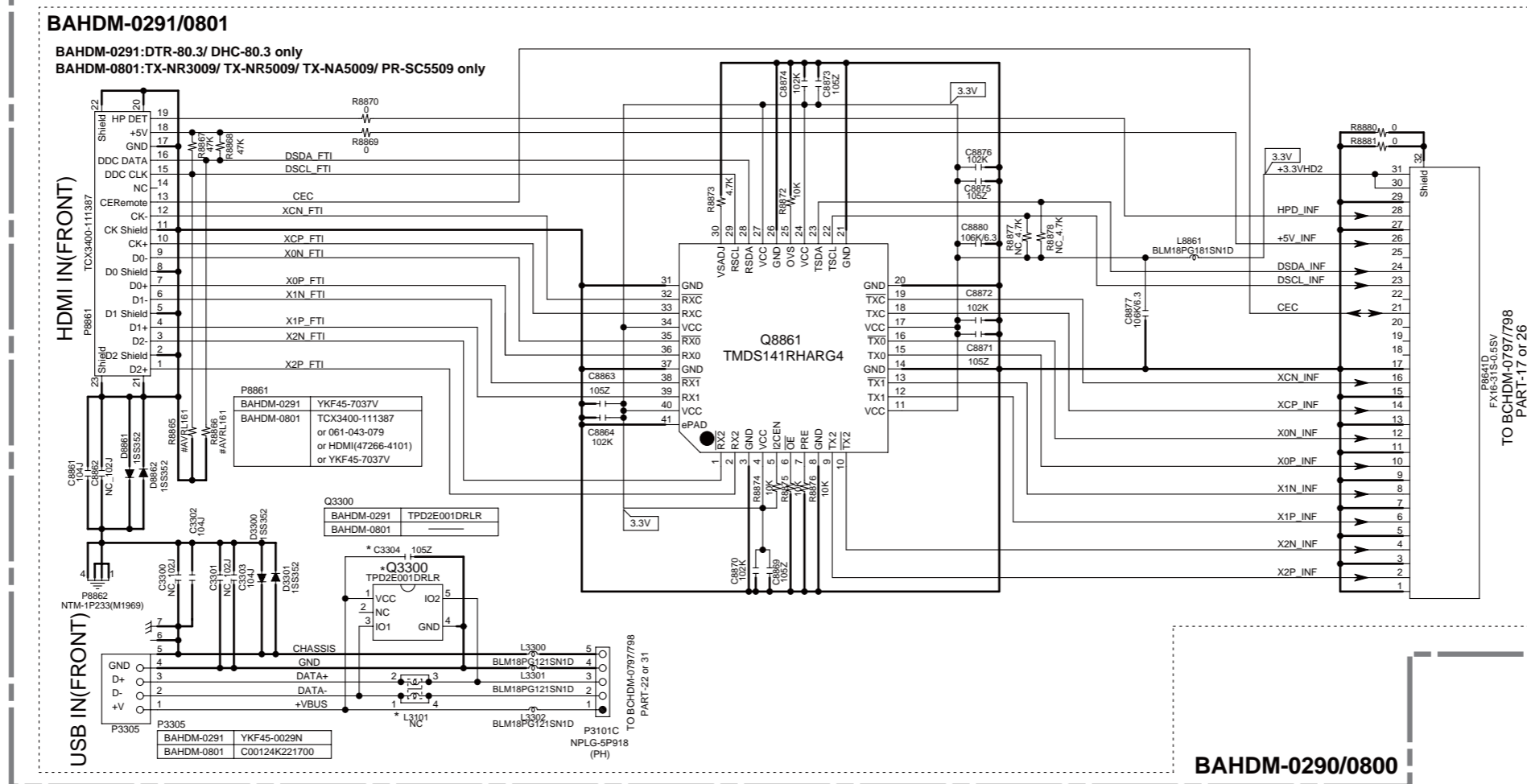
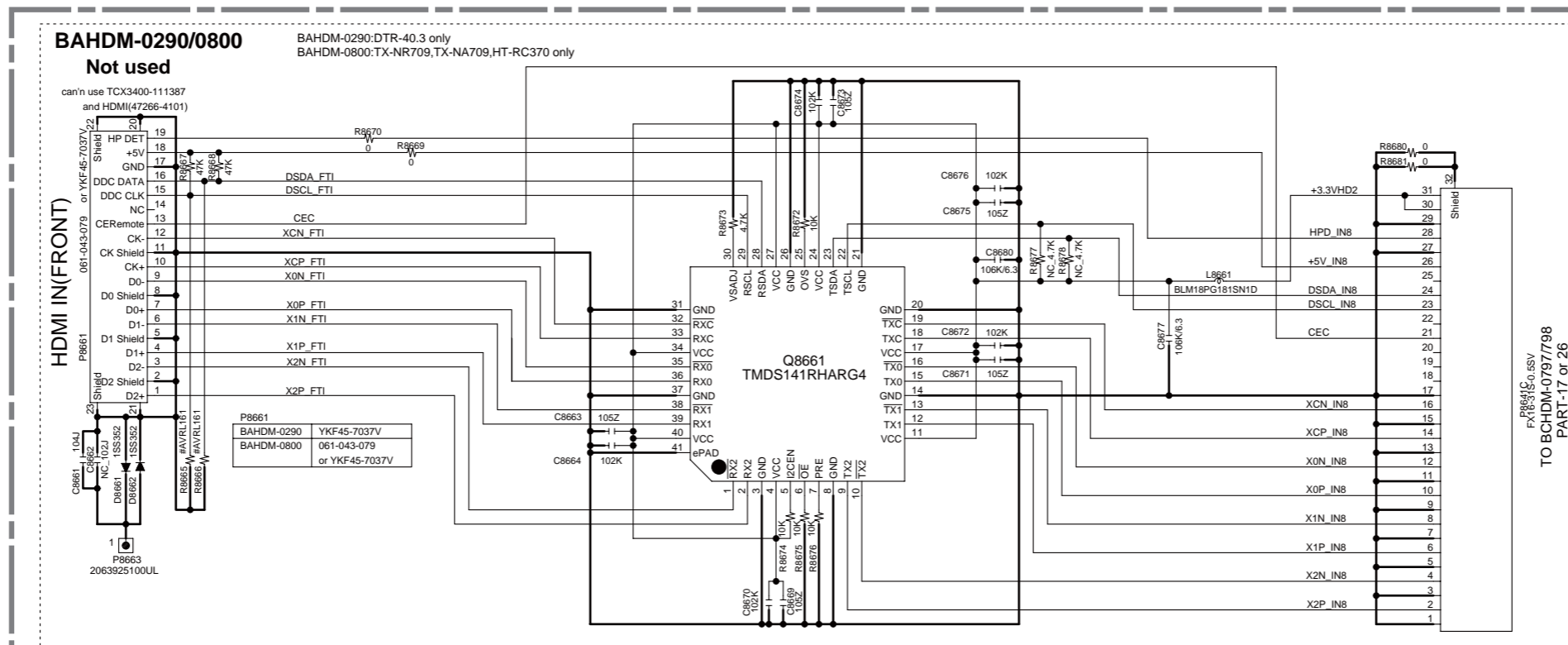
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BATRM-0237

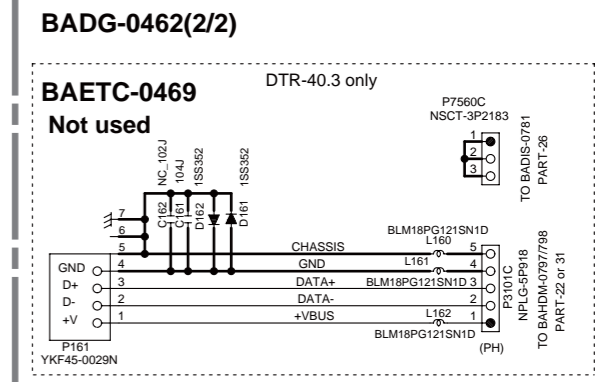


SCHEMATIC DIAGRAMS-36

Front HDMI and USB section
Part-36



BAHDM-0290/0800



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PRINTED CIRCUIT BOARD VIEWS-3

U003 BAASP-0202

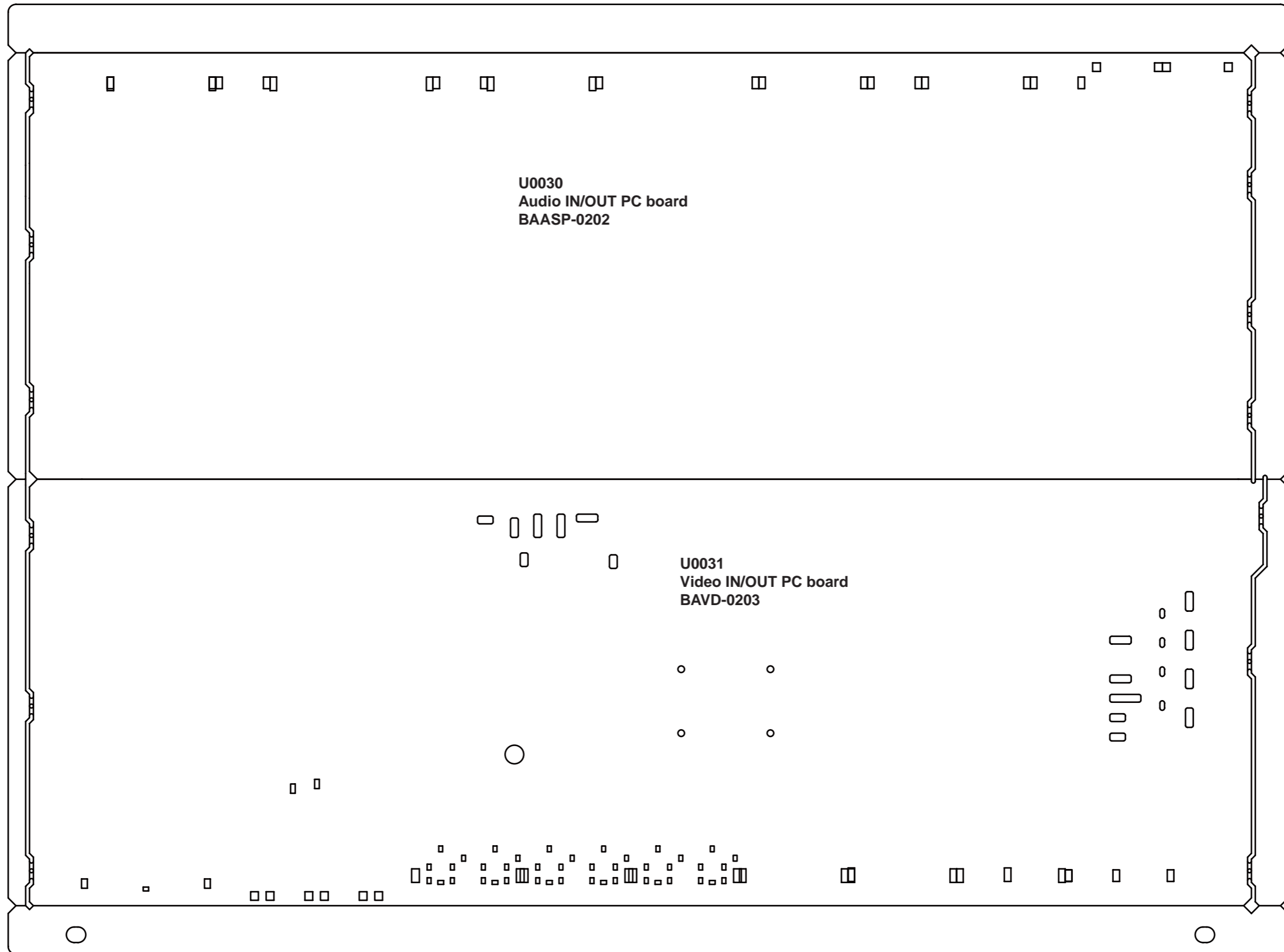
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A side view

PRINTED CIRCUIT BOARD VIEW-3A

U003 BAASP-0202

A side pattern
B side pattern

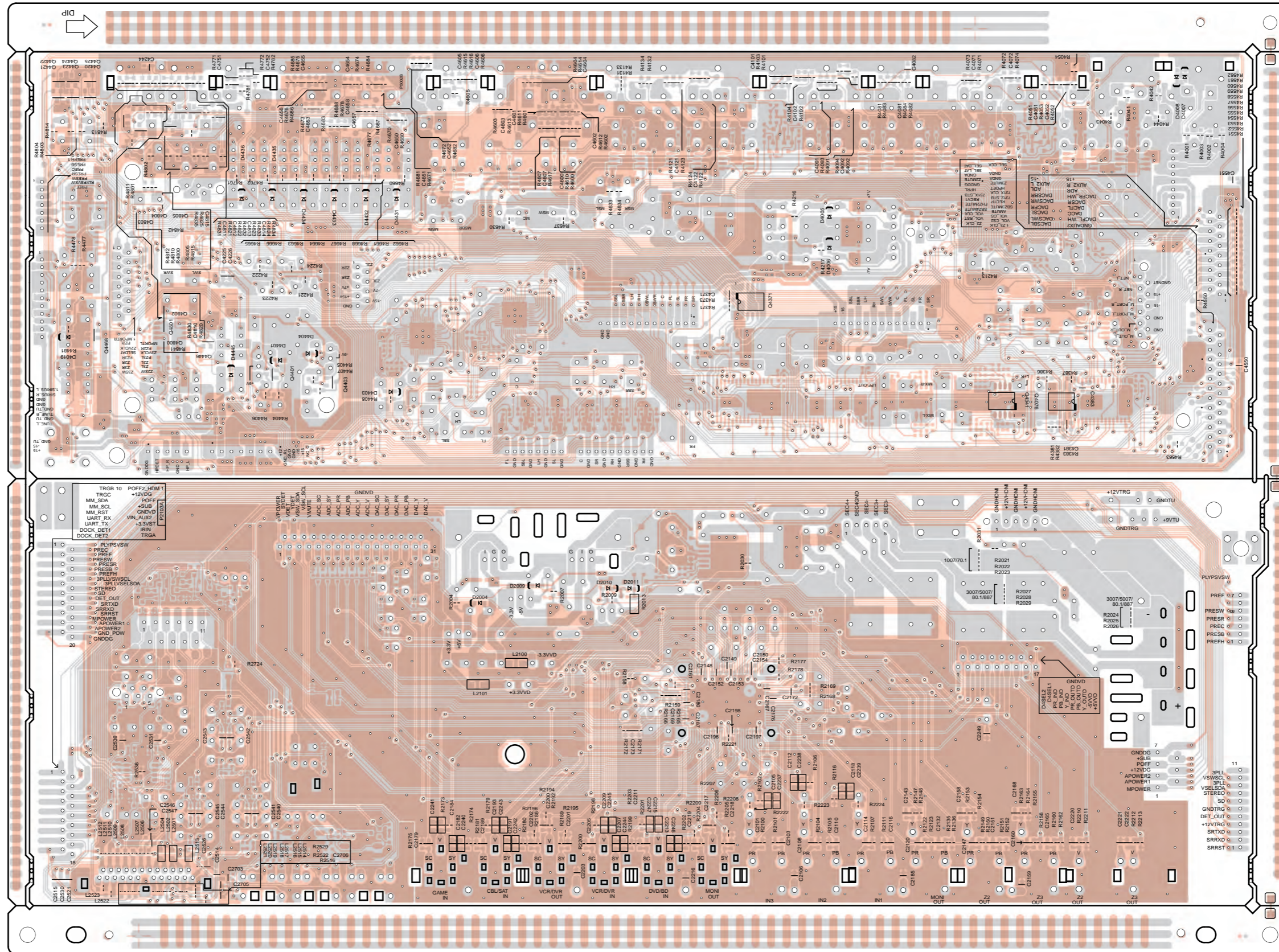
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B side view from A side

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-3B

U003 BAASP-0202

A side pattern
B side pattern

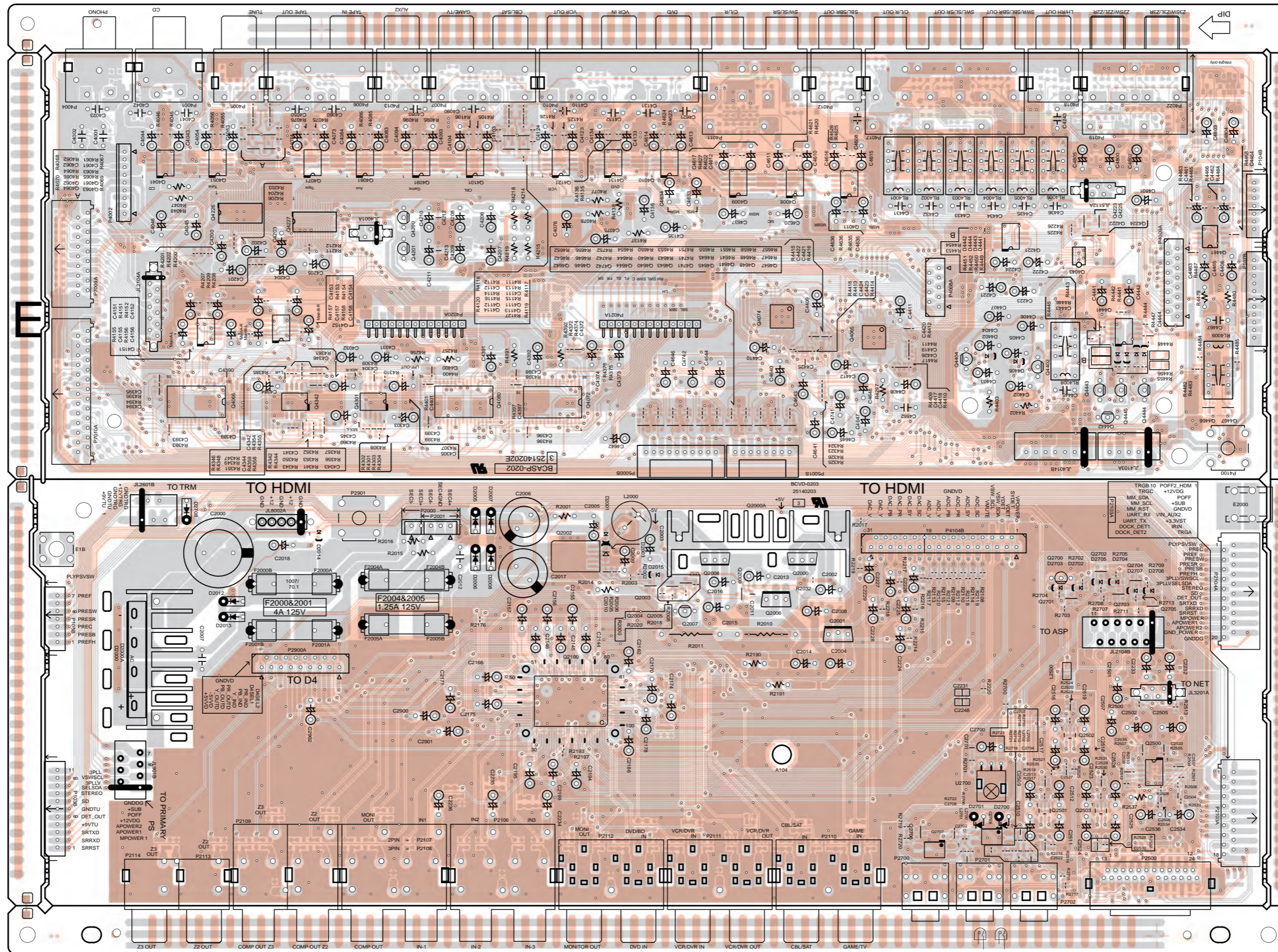
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A side view from B side

A

B

C

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PRINTED CIRCUIT BOARD VIEWS-4

U004 BADG-0208

1

U0042
ZONE-2 Volume PC board
BAAR-0210

U0045
SIRIUS PC board
BARF-0204

U0047
Digital input PC board
BAETC-0246

2

U0046
D-Terminal PC board
BAVD-0205

U0044
Buffer Amp. PC board
BAACC-0212

U0048
D-Sub15 PC board
BAETC-0247

3

U0040
DAC PC board
BADG-0208

U0041
Microprocessor PC board
BACPU-0209

4

U0043
Equalizer Amp. PC board
BAAF-0211

5

A side view

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-4A

U004 BADG-0208

A side pattern
 B side pattern

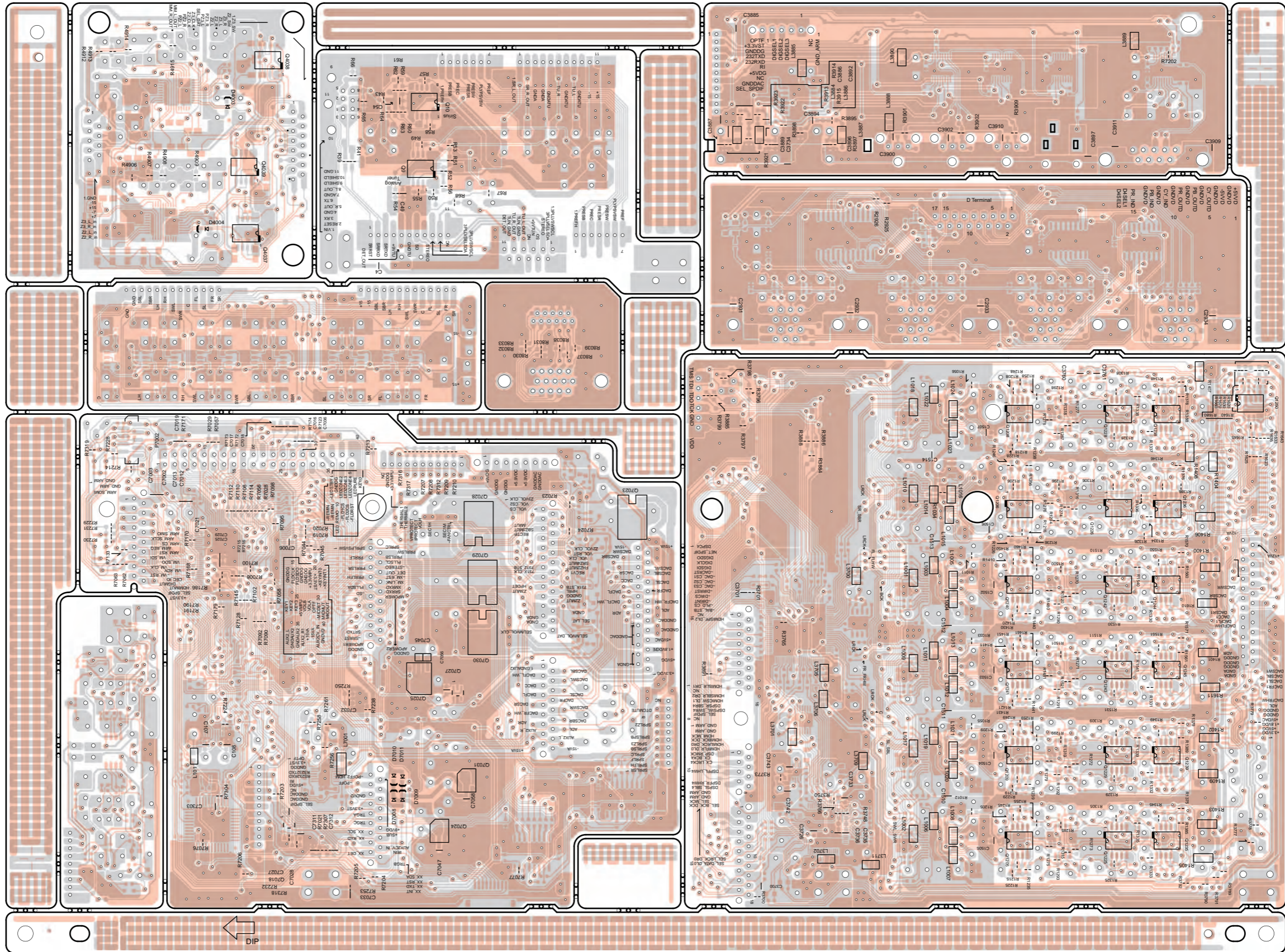
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B side view from A side

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-4B

U004 BADG-0208

A side pattern
 B side pattern

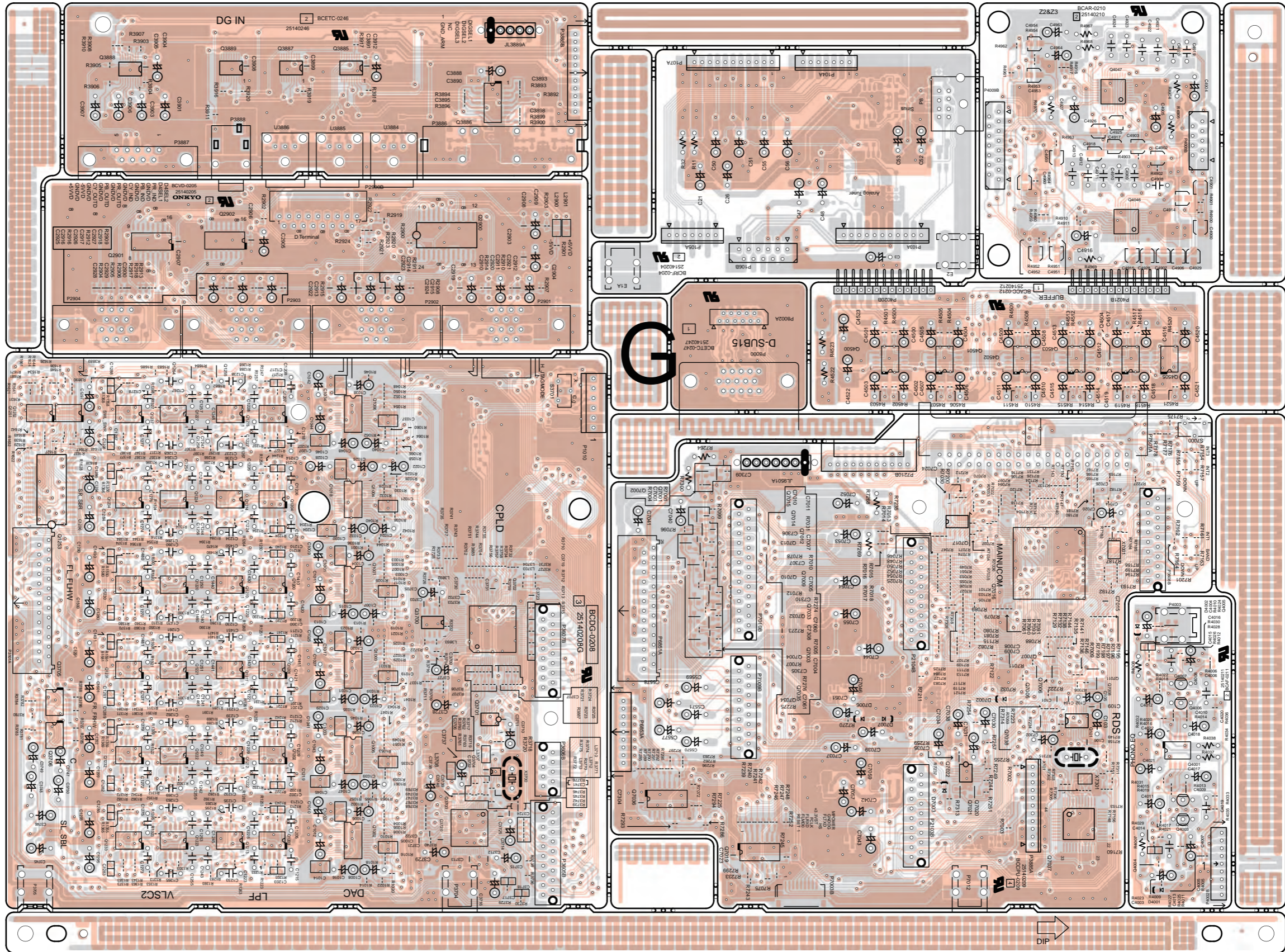
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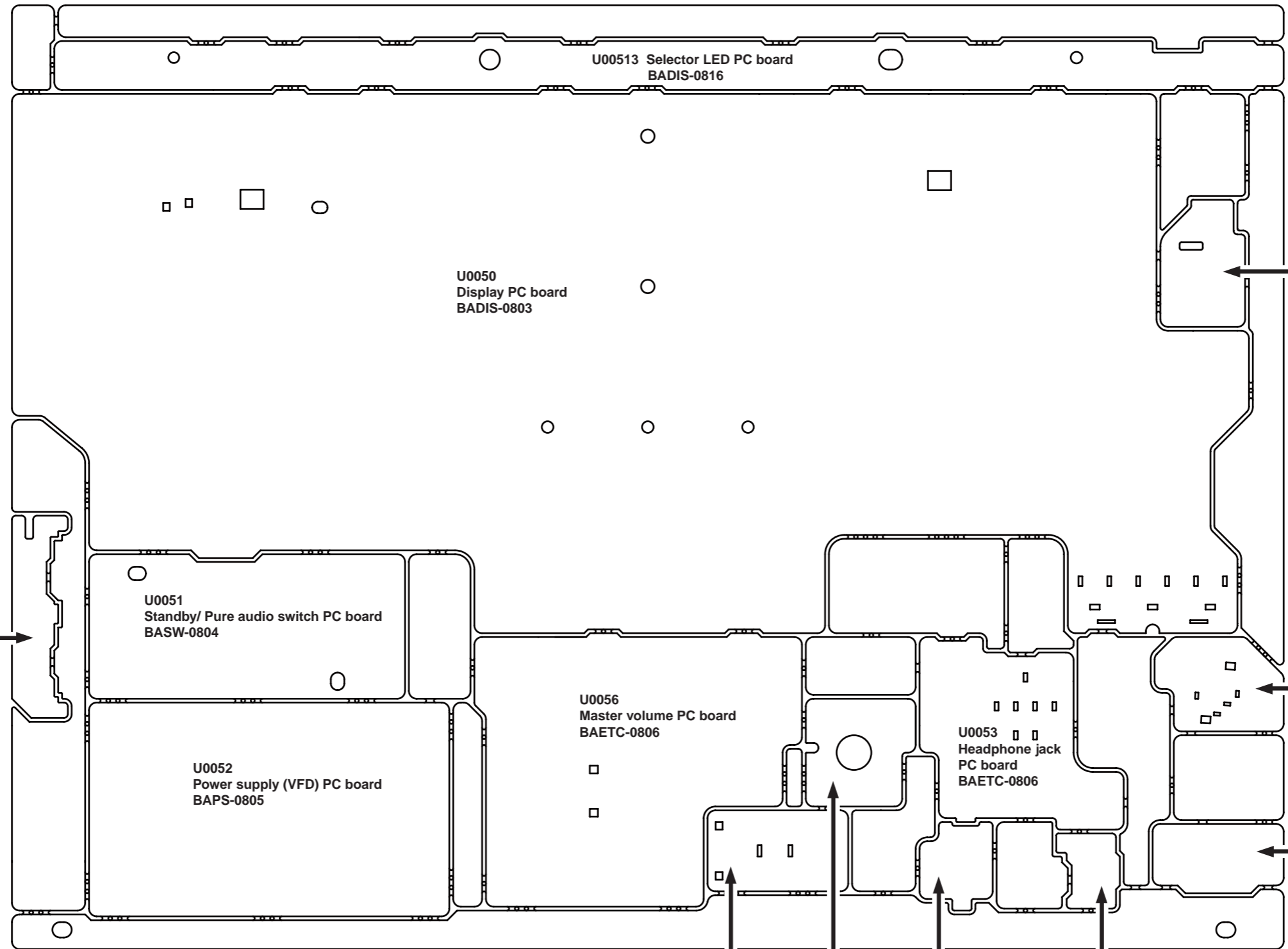
A side view from B side

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-5

U005 BADIS-0803

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U0058
Front HDMI hold PC board
BAETC-0811

U0054
Optical input terminal PC board
BAETC-0807

U0057
Microphone jack PC board
BAETC-0810

U00510
HP. Jack PC board
BAETC-0813

U00511
Power switch PC board
BAETC-0814

U00512
Power switch hold
PC board
BAETC-0815

U0055
OPT. PCB Hold PC board
BAETC-0808

U0059
PWB
BAETC-0812

Component side view

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-5A

U005 BADIS-0803

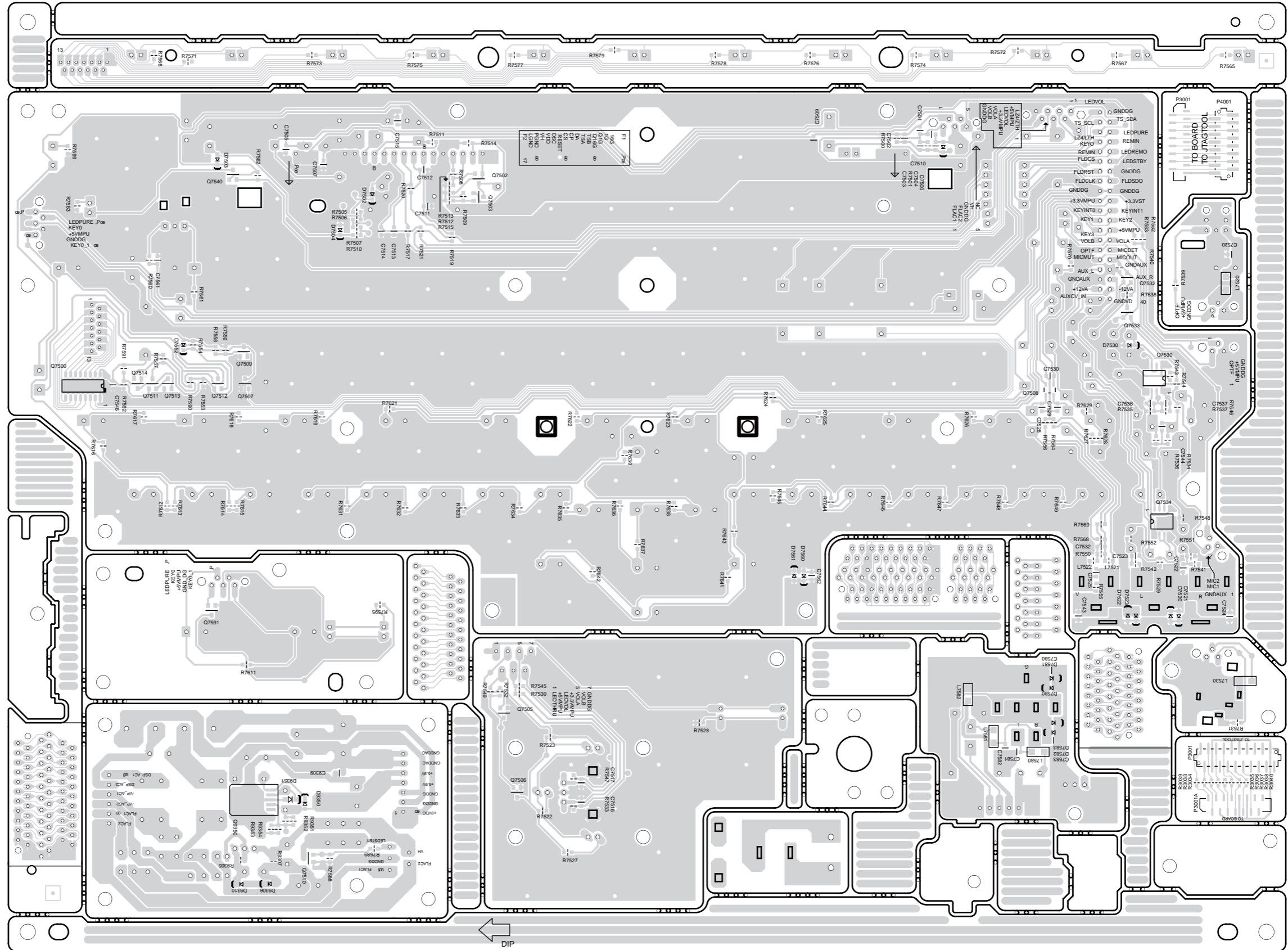
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Soldering side view from component side

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-5B

U005 BADIS-0803

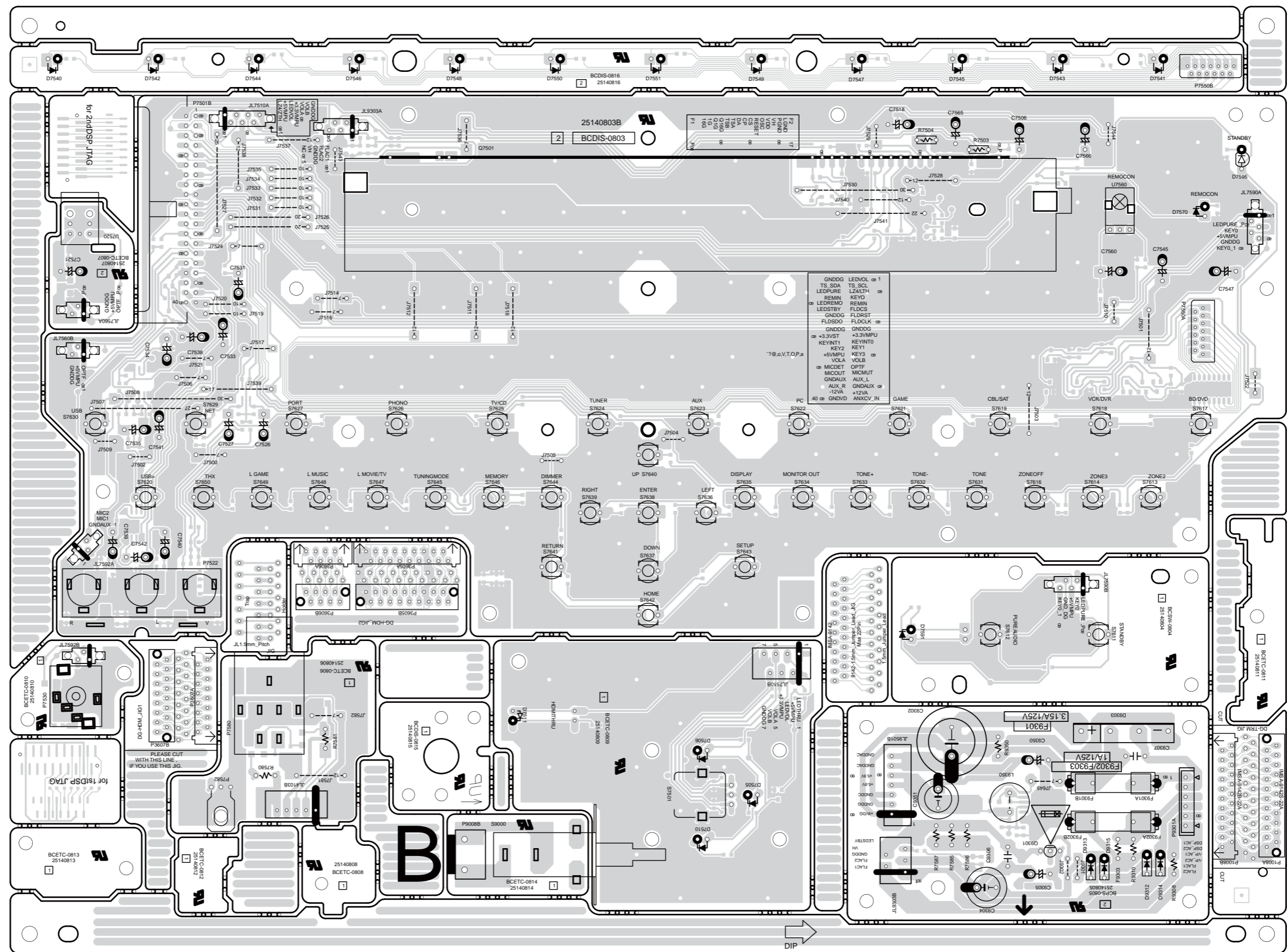
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Component side view from soldering side

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-7

U007 BATRM-0214

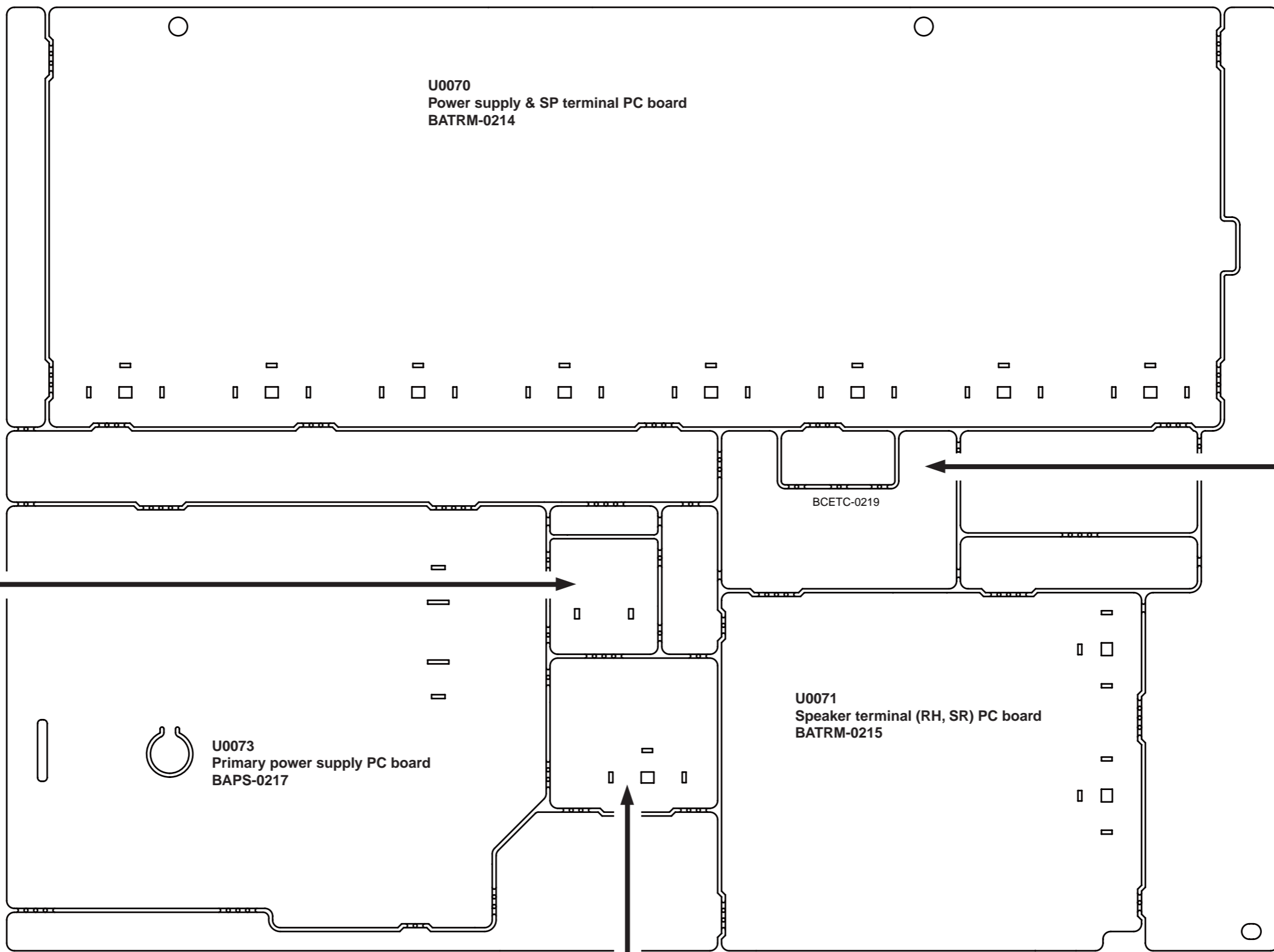
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U0070
Power supply & SP terminal PC board
BATRM-0214

U0075
Analog audio
power supply PC board
BAETC-0219

U0074
Inlet PC board
BAPS-0218

U0071
Speaker terminal (RH, SR) PC board
BATRM-0215

U0073
Primary power supply PC board
BAPS-0217

U0072
Speaker terminal (Center) PC board
BATRM-0216

Component side view

A

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C

D

E

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G

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PRINTED CIRCUIT BOARD VIEWS-7A

U007 BATRM-0214

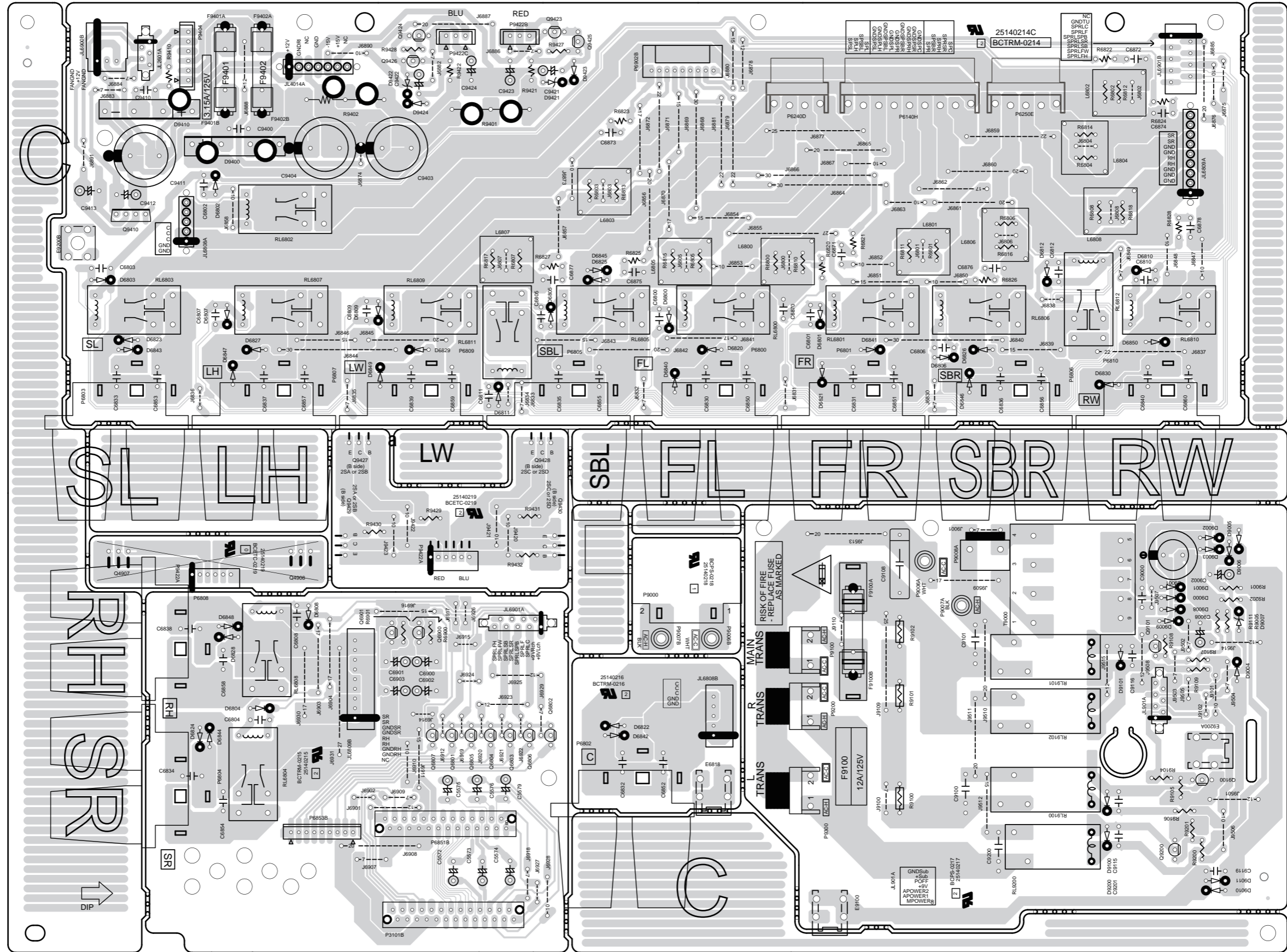
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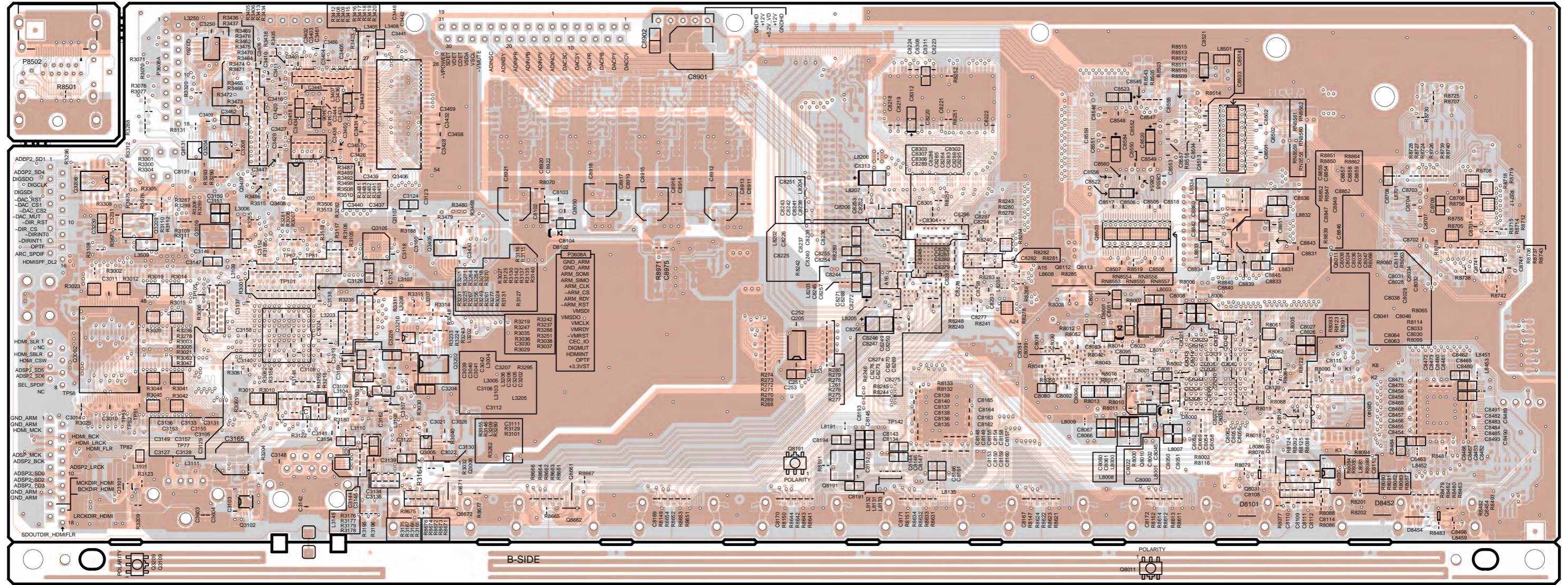
Component side view from soldering side

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-8A

U008 HDMI PC board BAHDM-0797

A side pattern
 B side pattern



B side view from A side

1

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
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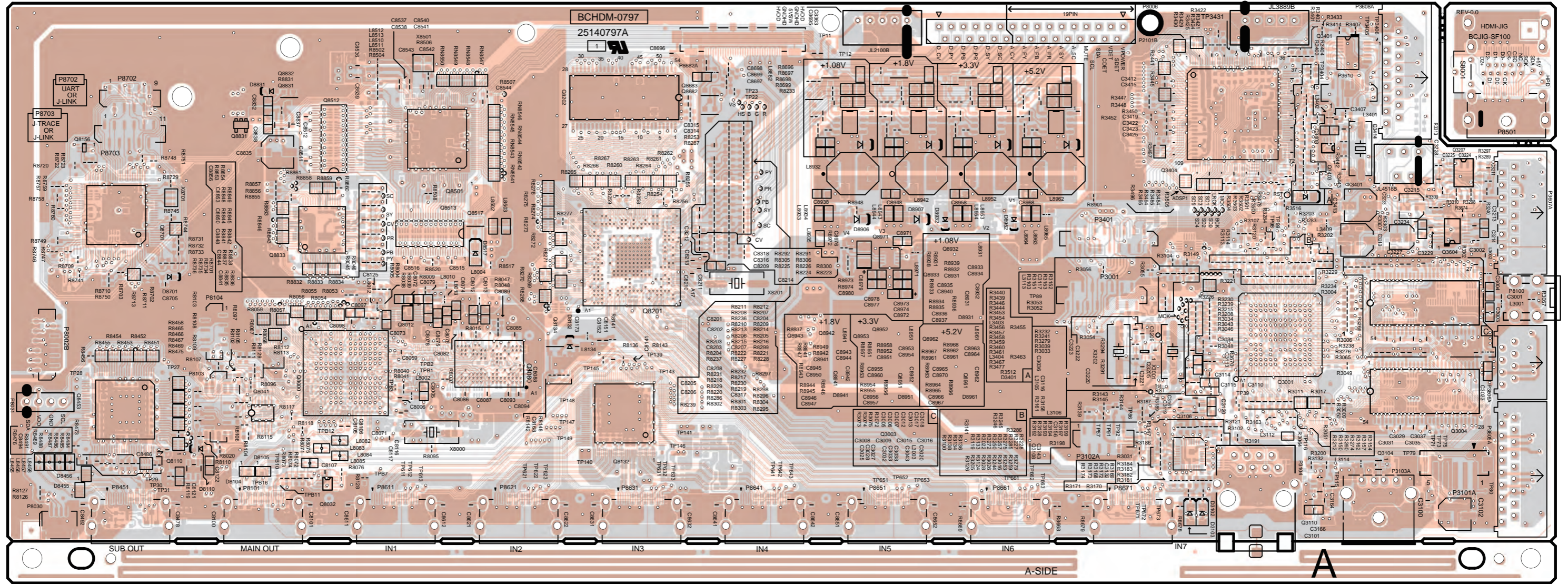
5

A B C D E F G H
PRINTED CIRCUIT BOARD VIEWS-8B

U008 HDMI PC board BAHDM-0797

1
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5

 A side pattern
 B side pattern



A side view from B side

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-9A

U009 BAHDM-0800

A side pattern
B side pattern

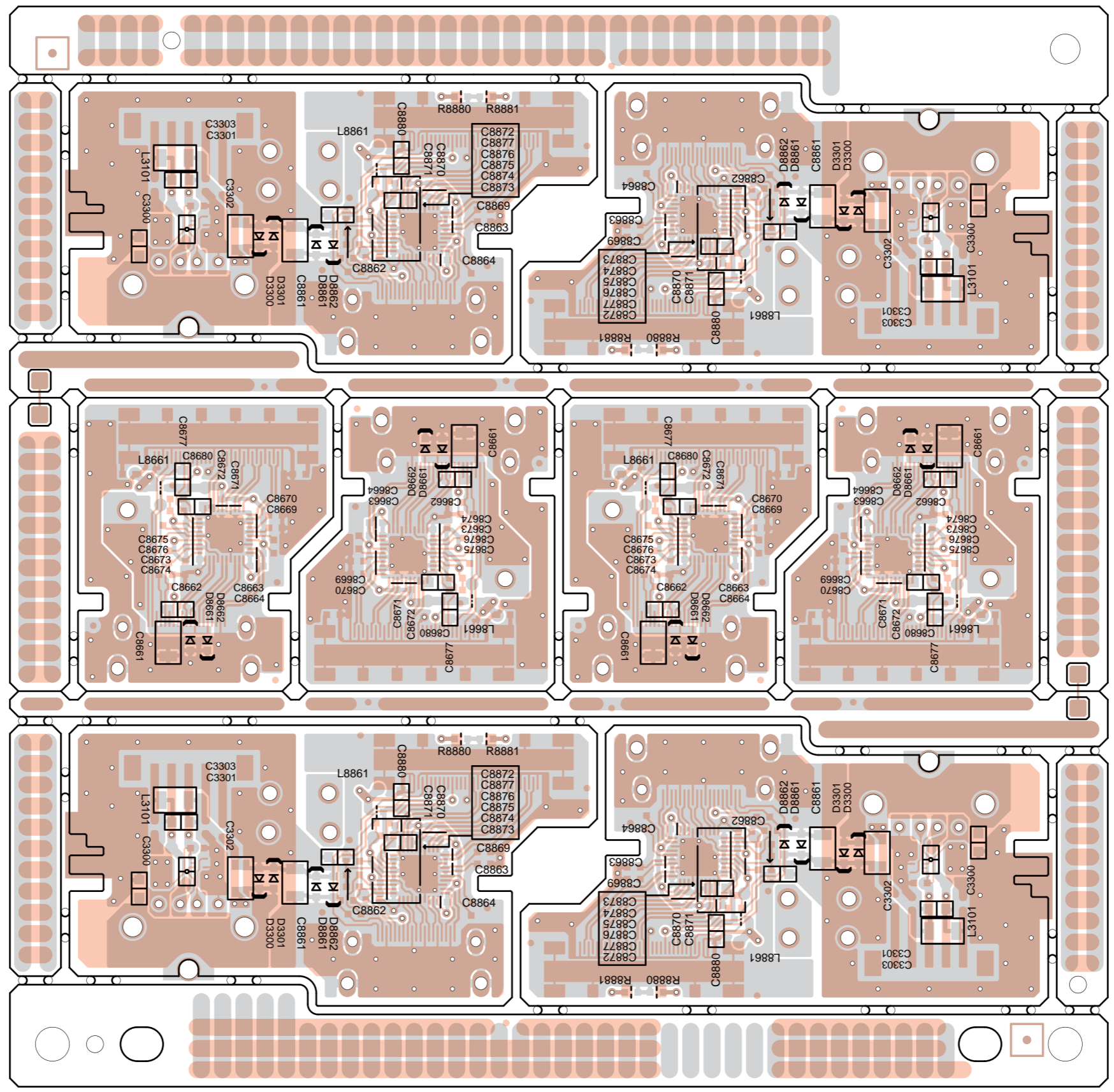
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B side view from A side

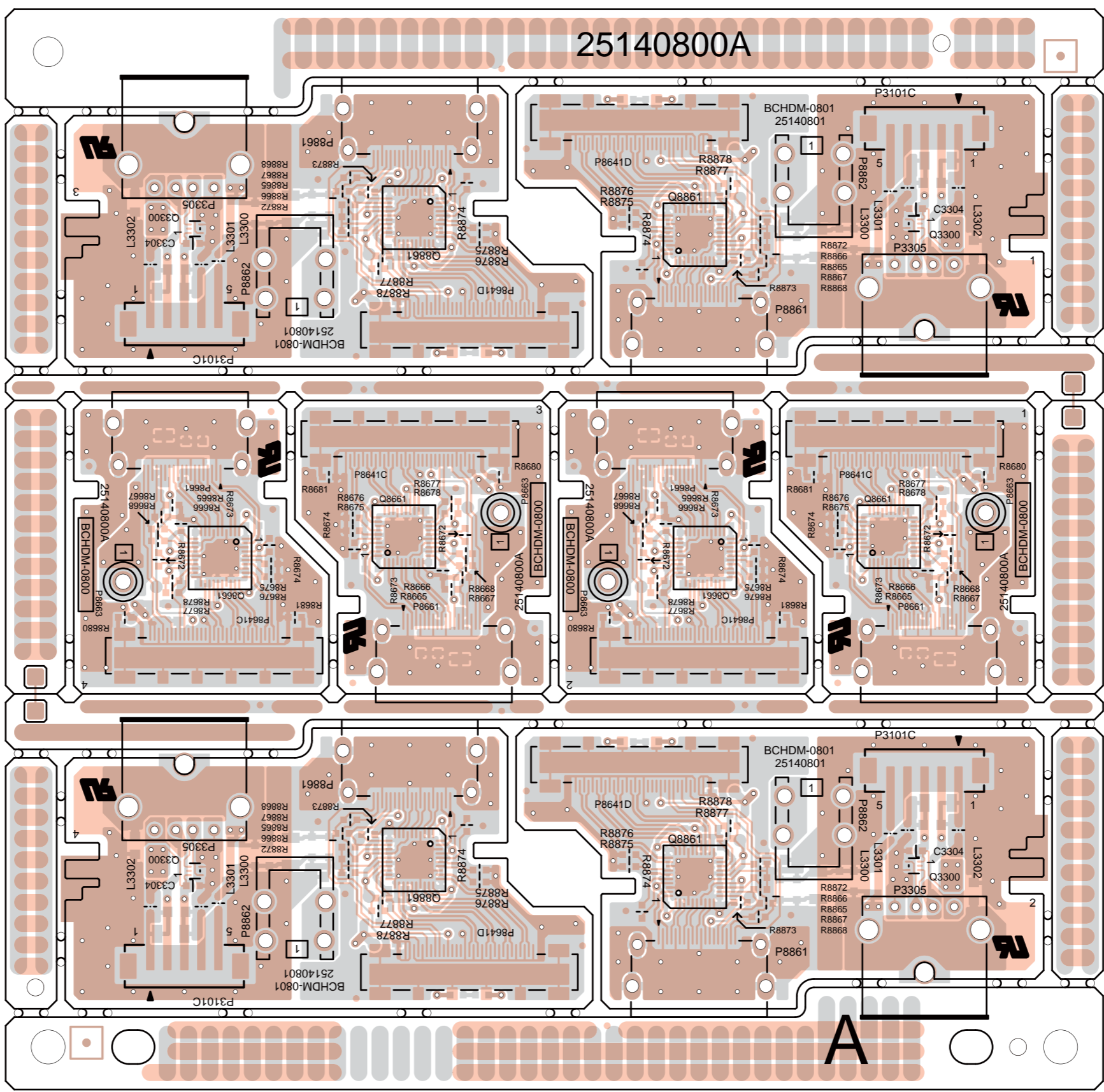
A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-9B

U009 BAHDM-0800

A side pattern
B side pattern

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A side view from B side

A

B

C

D

E

F

G

H

PRINTED CIRCUIT BOARD VIEWS-10

U010 BACLA-0226

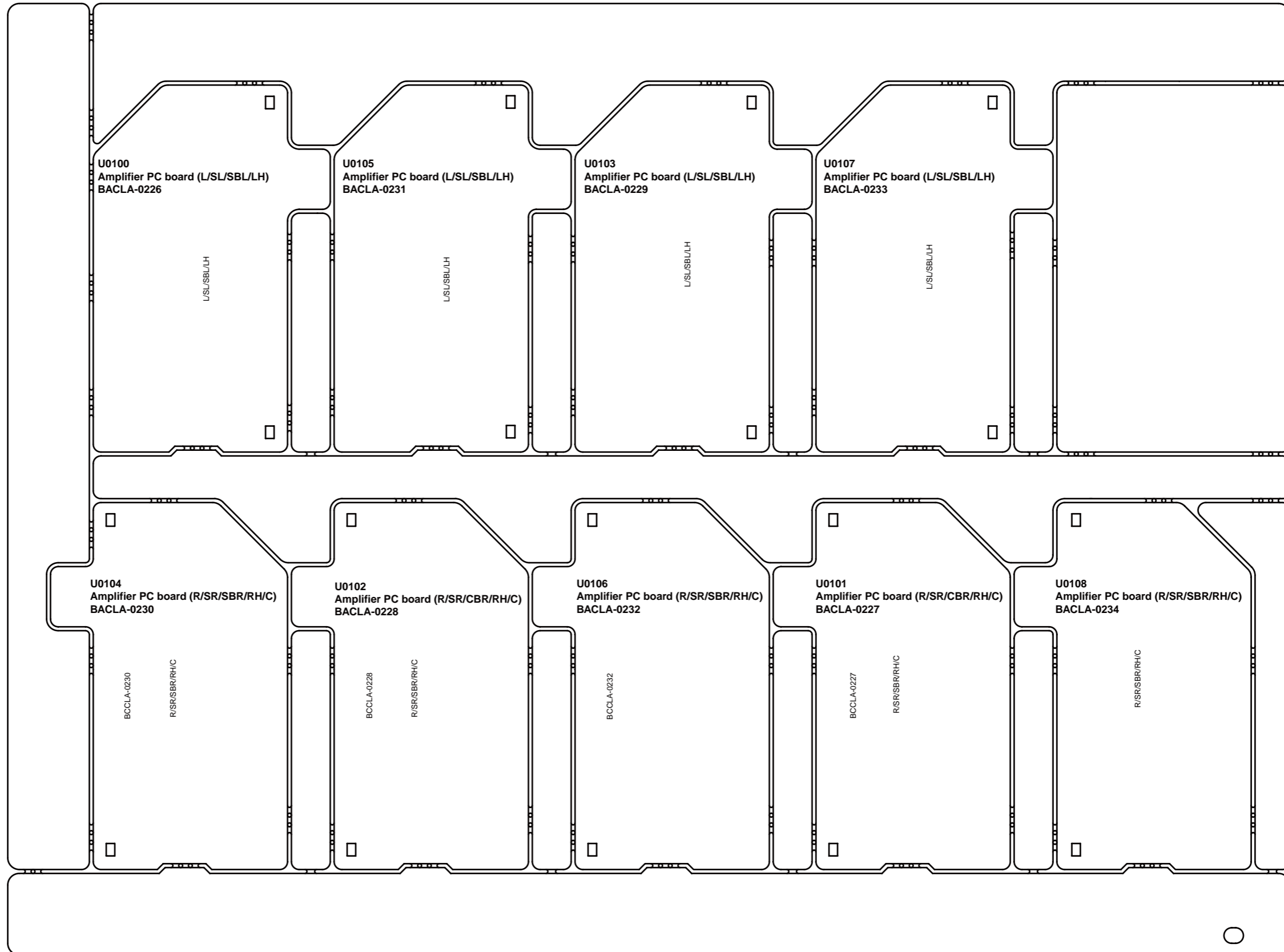
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Component side view

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-10A

U010 BACLA-0226

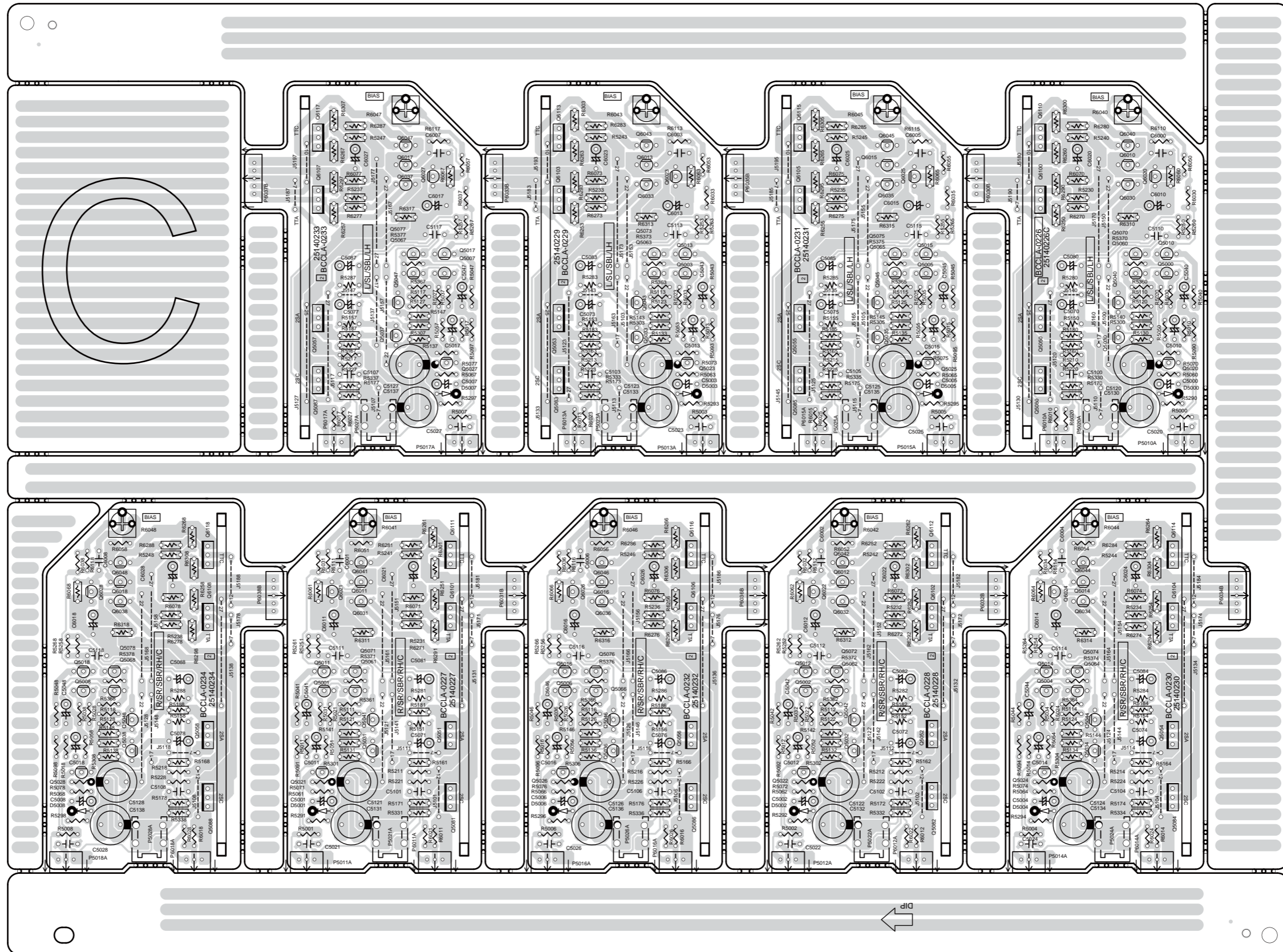
1

2

3

4

5



Component side view from soldering side

A

B

C

D

E

F

G

H

PRINTED CIRCUIT BOARD VIEWS-11

U011 BAAMP-0191

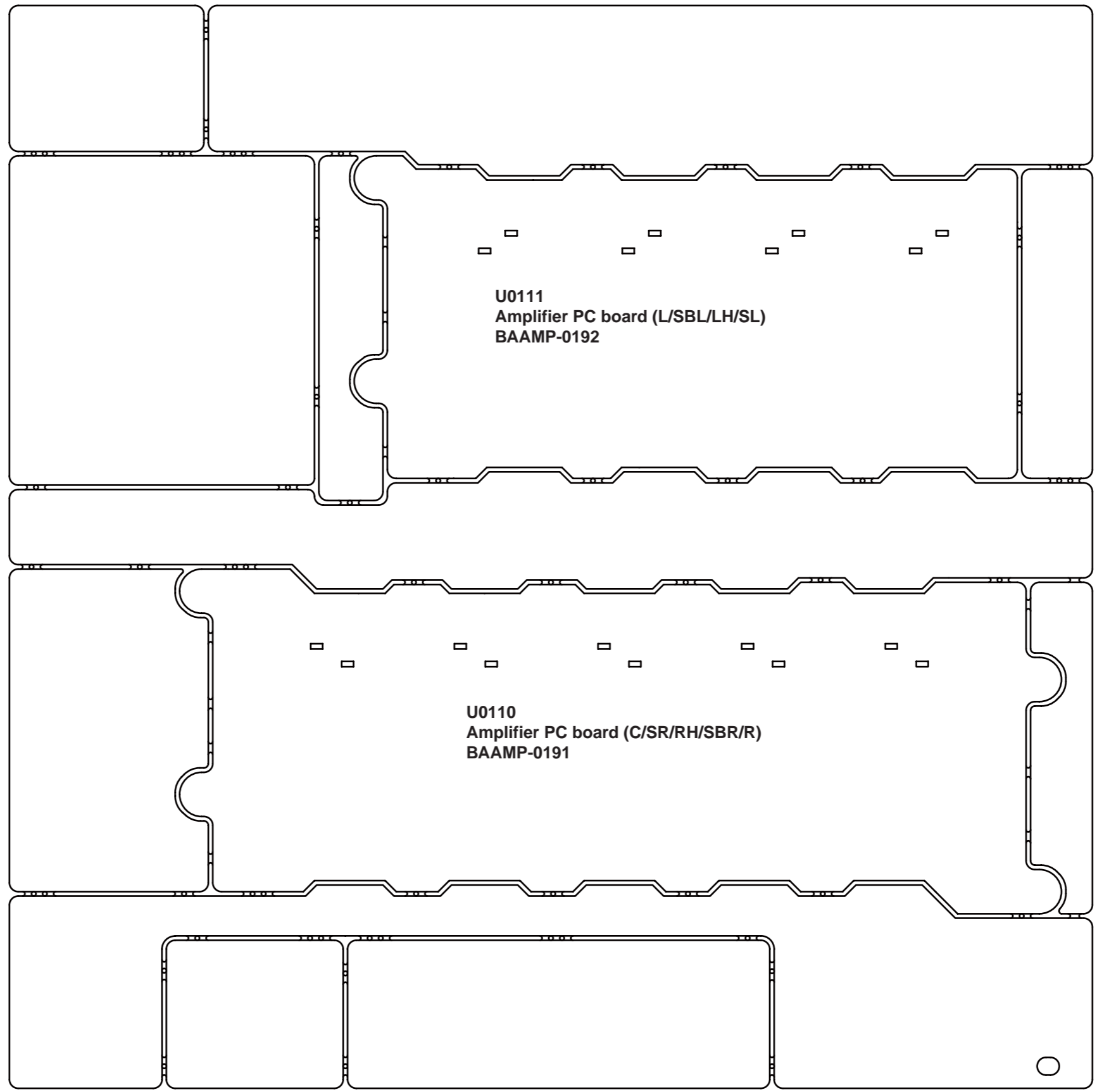
1

2

3

4

5



U011
Amplifier PC board (L/SBL/LH/SL)
BAAMP-0192

U0110
Amplifier PC board (C/SR/RH/SBR/R)
BAAMP-0191

Component side view

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-11A

U011 BAAMP-0191

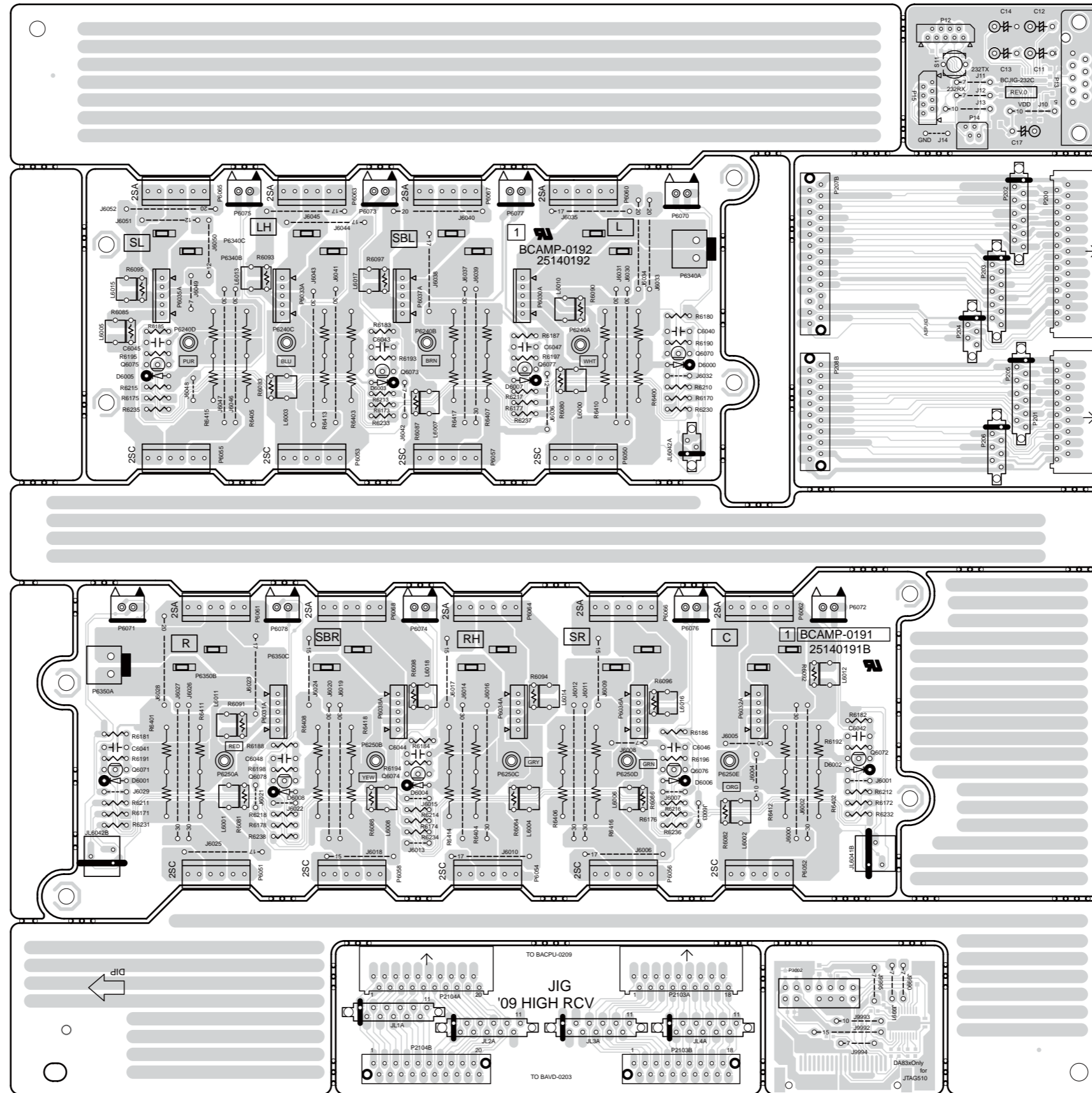
1

2

3

4

5



Component side view from soldering side

A

B

C

D

E

F

G

H

PRINTED CIRCUIT BOARD VIEWS-12

U012 BAAF-0180

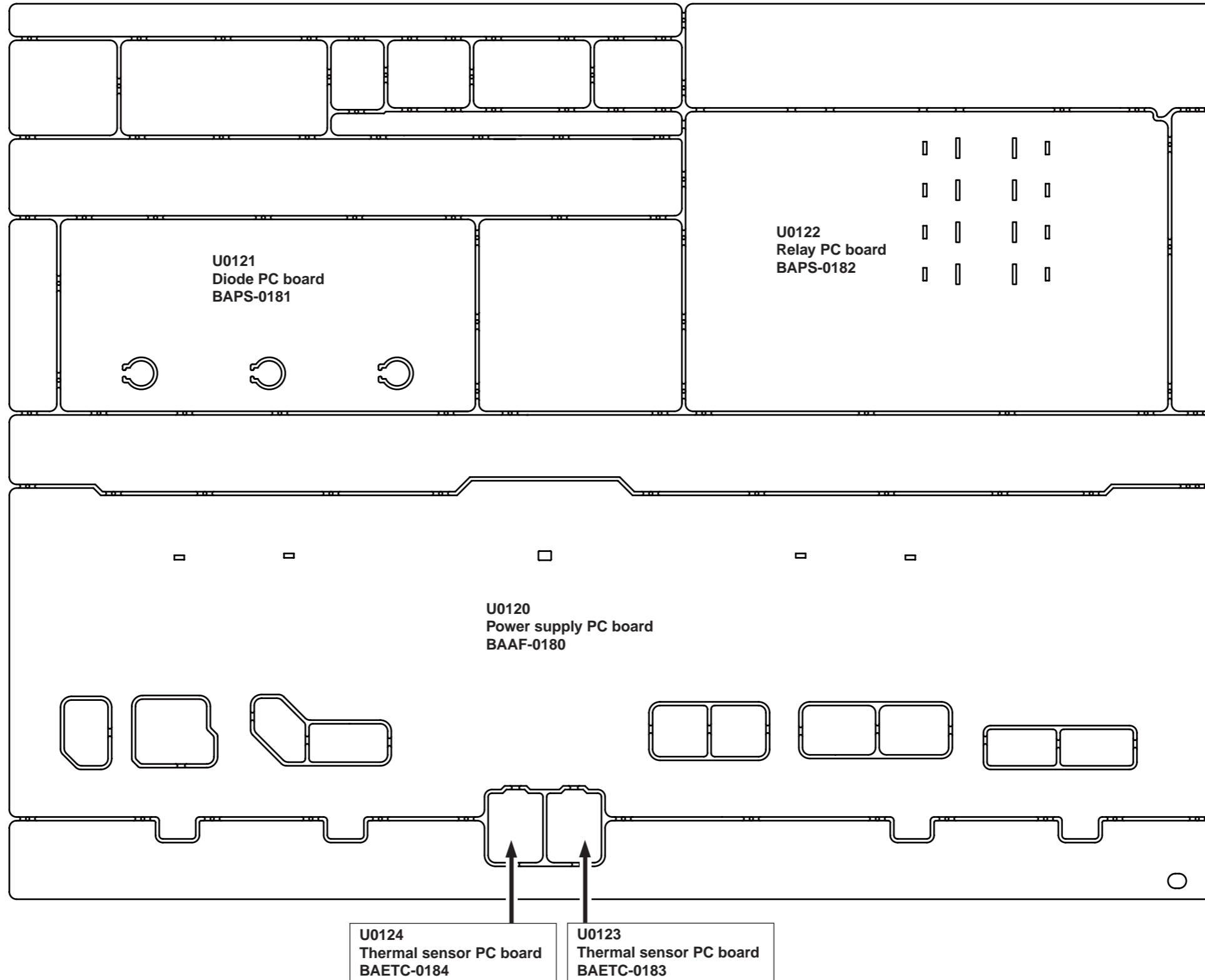
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2

3

4

5



Component side view

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-12A

U012 BAAF-0180

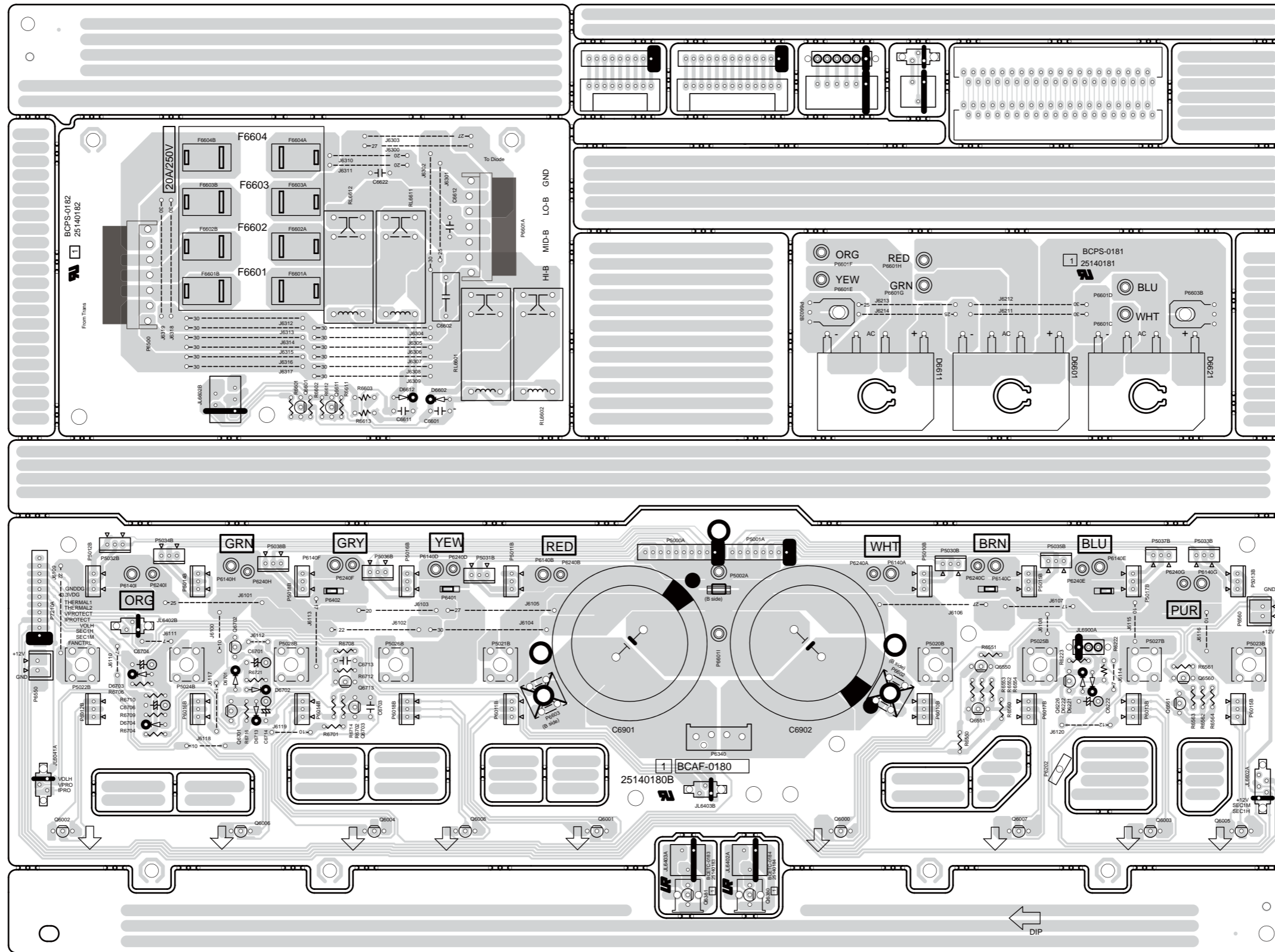
1

2

3

4

5



Component side view from soldering side

ONKYO

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