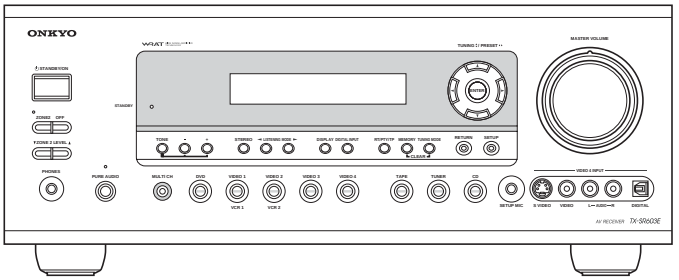
Ref. No. 3864
042005

ONKYO SERVICE MANUAL

AV RECEIVER

MODEL TX-SR603
MODEL TX-SR603E
MODEL TX-SR8360



RC-591M

TX-SR603 Black, Golden and Silver models

B MDD, B MDC, S MDC	120V AC, 60Hz
B MPA, S MPA	230-240V AC, 50Hz
B MWT, G MWT	120V/220-230V AC, 50/60Hz
G MGR, G MGQ, G MGK	220-230V AC, 50/60Hz

TX-SR603E Black and Silver models

B MPP, S MPP	230-240V AC, 50Hz

TX-SR8360 Golden model

G MGR	220-230V 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®
IMAGINATIVE SIGHT & SOUND

SPECIFICATIONS

Amplifier Section

Power Output

2 channel driven:	North American: **85 W + 85 W (8Ω, 20Hz-20kHz, FTC)** European: 120 W + 120 W (6Ω, 1kHz, DIN) Asian, Australian: 150 W + 150 W (6Ω, 1kHz, JEITA)
Dynamic Power	220 W + 220 W (3Ω, Front) 165 W + 165 W (4Ω, Front) 100 W + 100 W (8Ω, Front)
THD (Total Harmonic Distortion)	0.08 % (Power Rated)
Damping Factor	60 (Front, 1kHz, 8Ω)
Input Sensitivity and Impedance	200 mV/ 47 kΩ (LINE)
Output Level and Impedance	200 mV/ 470 Ω (REC OUT)
Frequency Response	10 Hz-100 kHz/ +1 dB-3 dB (Direct mode)
Tone Control	±10 dB, 50 Hz (BASS) ±10 dB, 10 kHz (TREBLE)
SN Ratio	106 dB (LINE IHF-A)
Speaker Impedance	North American: 6Ω- Others: 4Ω-

Video Section

Input Sensitivity/Output Level and Impedance	1 Vp-p /75Ω (Component and S-Video Y) 0.7 Vp-p /75Ω (Component Pb/Cb,Pr/Cr) 0.28 Vp-p /75Ω (S-Video C) 1 Vp-p /75Ω (Composite)
Component Video Frequency Response	5 Hz-50 MHz

Tuner Section

■FM

Tuning Frequency Range	North American: 87.5 MHz-107.9 MHz Others: 87.5 MHz- 108.0 MHz
Usable Sensitivity	Stereo: 17.2 dBf 2μV(75Ω IHF) Mono: 11.2 dBf 1μV(75Ω IHF)
S/N Ratio	Stereo: 70 dB (IHF-A) Mono: 76 dB (IHF-A)
THD	Stereo: 0.3 % (1kHz) Mono: 0.2 % (1kHz)
Frequency Response	30 Hz-15 kHz / ± 1 dB
Stereo Separation	45 dB (1kHz)

■AM

Tuning Frequency Range	North American: 530 kHz-1700 kHz Others: 522 kHz-1611 kHz
Usable Sensitivity	30μV
S/N Ratio	40 dB
THD	0.70%

General

Power Supply	North American: AC 120 V, 60 Hz Australian and European: AC 230-240 V, 50 Hz Others: AC 120/220-230 V, 50/60 Hz AC 230-240 V, 50Hz AC 220-230 V, 50/60 Hz
Power Consumption	North American: 6.7A Others: 650 W
Stand-by Power Consumption	1.0 W
Dimensions (W x H x D)	435 W x 175 H x 430 D mm 17-1/8" W x 6-7/8" H x 16-15/16" D inches
Weight	North American, Australian, European, Singapore and East southern asian: 13.6 kg 30.0 lbs Others: 14.8 kg 32.6 lbs

■Video Inputs

Component Video Input	1, 2, 3
S-Video Compatible Jack Input	DVD, VIDEO1, VIDEO2, VIDEO3, VIDEO4
A/V Input	DVD, VIDEO1, VIDEO2, VIDEO3, VIDEO4

■Video Outputs

Component Video Output	OUT
S-Video Compatible Jack Output	MONITOR OUT, VIDEO1, VIDEO2
A/V Output	MONITOR OUT, VIDEO1, VIDEO2

■Audio Inputs

Digital Inputs	Optical: 4(North American)/ 3(other) Coaxial: 2
Analog Inputs	DVD(MULTICHANNEL), VIDEO1, VIDEO2, VIDEO3, VIDEO4, TAPE, CD
Multichannel Inputs	6

■Audio Outputs

Digital Outputs	1(Optical) 0(Coaxial)
Analog Outputs	TAPE, VIDEO1, VIDEO2
Subwoofer Pre Outputs	1
Speaker Outputs	9
Phones	1

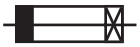
■Other Jacks

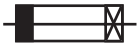
IR Input	1
12V Trigger Out	1

Specifications and features are subject to change without notice.

SERVICE PROCEDURE

1. Replacing the fuses


This symbol located near the fuse indicates that the fuse used is show 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 e lent. Pour une protection permanente, n'utiliser que des fusibles de meme type. Ce demier est indique la qu le present symbol est apposre.

<Notes>

<DC> : TX-SR603 Canadian model
<DD> : TX-SR603 American model
<GK> : TX-SR603 Korean model
<GQ> : TX-SR603 Hong kong model
<GR> : TX-SR603 Chinese model
<PA> : TX-SR603 Australian model
<WT> : TX-SR603 World wide model
<PP> : TX-SR603E European model
<8360> : TX-SR8360 Chinese model

REF NO.	PART NAME	DESCRIPTION	PART NO.	REMARKS
F901	FUSE	10A-UL	252199	!, <DD, DC>
F901	FUSE	5A-SE-EAK	252078	!, <WT>
F901 or	FUSE	5A-SE-TL250V	252244	!, <WT>
F901 or	FUSE	5A-SE-TL250V	252278	!, <WT>
F902	FUSE	5A-SE-EAK	252078	!, <PP, PA, WT, GK, GR, GQ>, <8360>
F902 or	FUSE	5A-SE-TL250V	252244	!, <PP, PA, WT, GK, GR, GQ>, <8360>
F902 or	FUSE	5A-SE-TL250V	252278	!, <PP, PA, WT, GK, GR, GQ>
F903	FUSE	5A-UL/T-237	252164	!, <DD, DC>
F903 or	FUSE	5A-T/UL-ST2	252258	!, <DD, DC>
F903	FUSE	2.5A-SE-EAK	252075	!, <PP, PA, WT, GK, GR, GQ>, <8360>
F903 or	FUSE	2.5A-SE-TL250V	252241	!, <PP, PA, WT, GK, GR, GQ>, <8360>
F903 or	FUSE	2.5A-SE-TL250V	252275	!, <PP, PA, WT, GK, GR, GQ>, <8360>
F6901	FUSE	12A-UL/T-314	252196	!
F6901 or	FUSE	12A-TUL-250V	252301	!
F6902	FUSE	12A-UL/T-314	252196	!
F6902 or	FUSE	12A-TUL-250V	252301	!
F9501	FUSE	2.5A-SE-EAK	252075	!
F9501 or	FUSE	2.5A-SE-TL250V	252241	!
F9501 or	FUSE	2.5A-T/UL-ST2	252254	!

2. To initialize the unit

1. Press and the hold down the VIDEO 1/VCR button, then press the STANDBY/ON button when the unit is Power on.
2. After " *Clear* " is displayed, the preset memory and each mode stored in the memory, are initialized and will return to the factory settings.

3. To check version of microprocessor

Main microprocessor Q701 only.

1. Press and the hold down the DISPLAY button , then press the STANDBY/ON button when the unit is Power on. Version is displayed on FL display only for 3 seconds.

Ex. *Ver.1.01/05305a*

2. Press the STANDBY/ON button to Power off.

4. Memory Backup

The AV receiver uses a battery-less memory backup system in order to retain radio presets and other settings when it's unplugged or in the case of a power failure.
Although no batteries are required, the AV receiver must be plugged into an AC outlet in order to charge the backup system. Once it has been charged, the AV receiver will retain the settings for several weeks, although this depends on the environment and will be shorter in humid climates.

OPERATION CHECK-1

SPEAKER PROTECT-1 (DC VOLTAGE DETECTION)

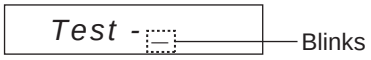
[When]

1. Exchange power transistors (Q6050 - Q6066).
2. Exchange amplifier PC board ass'y (NAAF-8523).

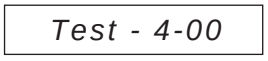
[Procedure]

<Note>
No load. No input.

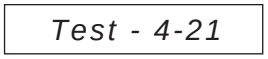
1. Press and the hold down the CD button , then press the STANDBY/ON button when the unit is Power ON.
   " *Test - _* " is displays it only for 5 seconds.



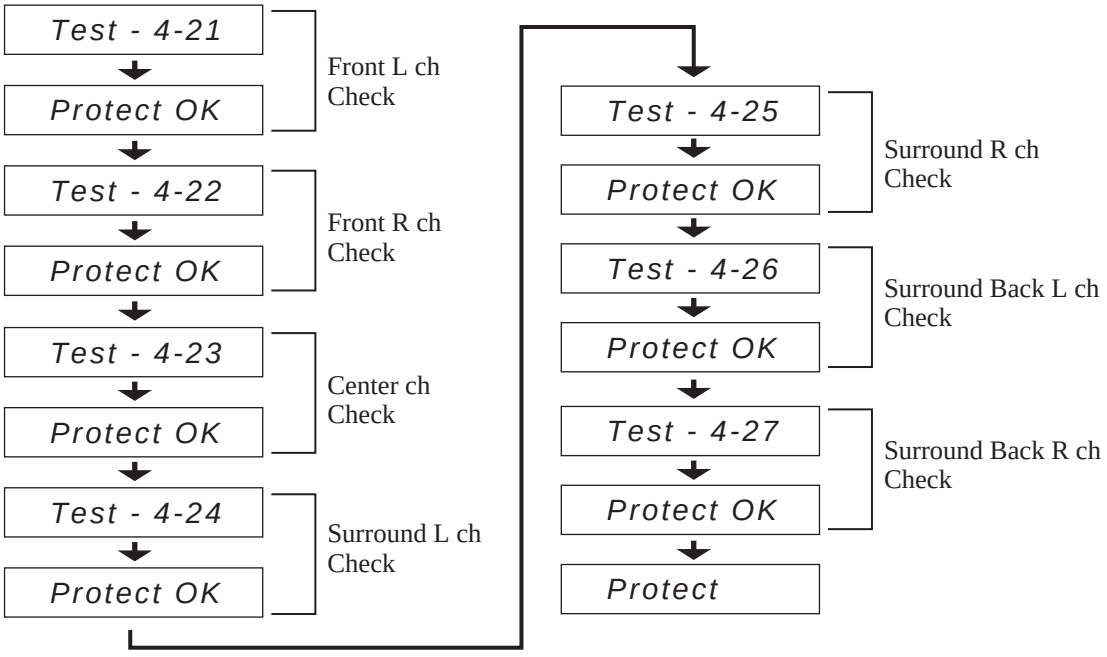
2. Press the VIDEO 3 button, while the character of " *Test - _* " is displayed.
   Unit will be in the state of " *Test-4-00* ".



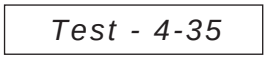
3. Repeatedly press TONE+ button until the character of " *Test-4-21* " is displayed.



Checking the operation starts automatically as follows.



If all channel are OK, the character of " *Test - 4 - 35* " is displayed.



4. Press the STANDBY/ON button.

OPERATION CHECK-2

SPEAKER PROTECT-2 (CURRENT DETECTION)

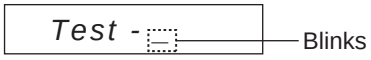
[When]

1. Exchange power transistors (Q6050 - Q6066).
2. Exchange amplifier PC board ass'y (NAAF-8523).

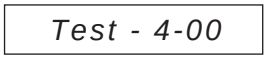
[Procedure]

<Note>
No input.
Do not check two or more channels at the same time.
Do not connect dummy load to speaker terminals fro seconds 2 or more.

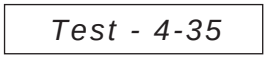
1. Press and the hold down the CD button , then press the STANDBY/ON button when the unit is Power ON.
   " *Test - _* " is displays it only for 5 seconds.



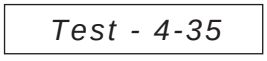
2. Press the VIDEO 3 button, while the character of " *Test - _* " is displayed.
   Unit will be in the state of " *Test-4-00* ".



3. Repeatedly press TONE+ button until the character of " *Test-4-35* " is displayed.

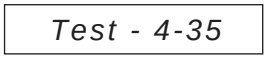


4. Connect the Dummy load of 3 ohms to the Front Lch speakers terminal.
   At this time, check the speaker relay is not turned off.



5. Connect the dummy load of 1 ohm to the Front Lch speakers terminal.
   At that time, you check the speaker relay is turned off and " *Protect* " is displayed.

   Disconnect the dummy load at once when check the display of " *Protect* ".



6. Check other channels according to the same procedure.

7. Press the STANDBY/ON button.

OPERATION CHECK-3

CONTROL OF POWER SUPPLY (OUTPUT SENSOR AND THERMAL SENSOR)

[When]

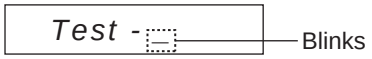
1. Exchange power transistors (Q6050 - Q6066).
2. Exchange power amplifier PC board ass'y (NAAF-8523).
3. Exchange thermal sensor PC board ass'y (NAETC-8526).

[Procedure]

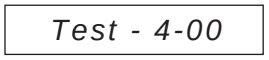
<Note>
No output. No input.

Output sensor

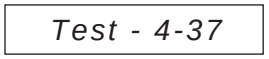
1. Press and the hold down the CD button , then press the STANDBY/ON button when the unit is Power ON.
   " *Test - _* " is displays it only for 5 seconds.



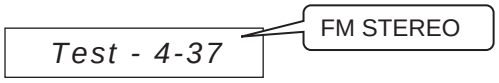
2. Press the VIDEO 3 button, while the character of " *Test - _* " is displayed.
   Unit will be in the state of " *Test-4-00* ".



3. Repeatedly press TONE+ button until the character of " *Test-4-37* " is displayed.



4. Adjusts MASTER VOLUME to Max. position.
   At this time, check the character of " *FM STEREO* " displayed.
   And, check relay RL6901 and RL6902 are turned off in 2 - 3 seconds.

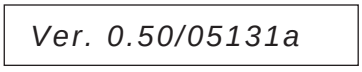


5. Press the STANDBY/ON button.

Thermal sensor

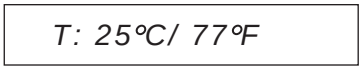
1. Press and hold down the DISPLAY button, then press the STANDBY button when the unit is power ON.
   " *Ver. 0.50/05131a* " is displays it only for 2 seconds.

<Ex.>



2. Press the TONE button, while the character of " *Ver.0.50/05131a* " is displayed.

<Ex.>



3. Check the displayed temperature is +/-20 ℃ of the ambient temperatures.

4. Press STANDBY/ON button.

OPERATION CHECK-4

DSP DEBUG MODE

Check the operation of the circuit around DSP by the display in this mode.
This information helps to pursue the faulty point.

To set in DSP debug mode

1. Press and hold down the DISPLAY button, then press the STANDBY button when the unit is power ON.
"Ver. 0.50/05131a" is displays it only for 2 seconds.

<Ex.> Ver. 0.50/05131a

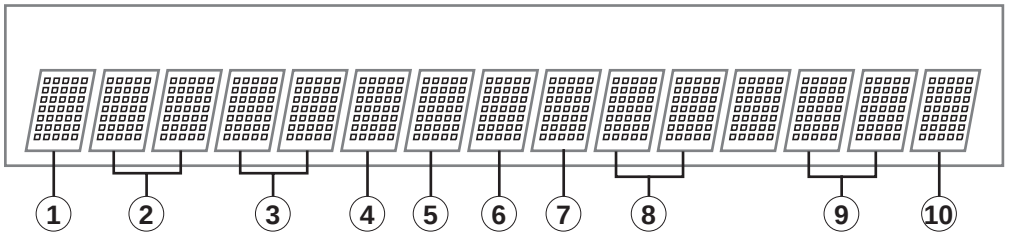
2. Press the DISPLAY button, while the character of "Ver.0.50/05131a" is displayed.

E1A48K015FF 23o

To exit

Press STANDBY/ON button.

Content of display



--------- DIR ---------

(1) UNLOCK
- E = UNLOCK
- = LOCK

(2) Digital Selecter
- D = DIGITAL
- A = ANALOG
- 1 = COAX1
- 2 = OOAX2
- 3 = OPT1
- 4 = OPT2
- 5 = OPT3
- 7 = FRONT

(3) Sampling Frequency
- 96 = 96kHz
- 48 = 48kHz
- 44 = 44kHz
- 32 = 32kHz
- -- = Not detect

(4) Pre Emphasis
- K = OFF
- e = ON

(5) DIR Status
- 0 = ANALOG
- 1 = PCM
- 2 = NOT_PCM
- 3 = DATA
- 4 = DTSCD
- 5 = MCH
- 6 = NOT DECIED

------ MEMORY/DOWNLOAD -----

(6) AUTOBOOT DSP AB CODE
- 0 = FLASH
- 1 = ab_ac3_pl2
- 2 = ab_dts_pl2
- 3 = ab_neo6
- 4 = sgen_ab
- 5 = ab_pl2fs
- 6 = ab_dts_6dol
- 7 = ab_dts9624
- 8 = aac_pl2

(7) AUTOBOOT DSP C CODE
- 0 = ac_dts9624
- 1 = c_neo6
- 2 = c_oos_no_sd
- 3 = c_oos
- 4 = c_oob
- 5 = c_pl2
- 6 = c_pl2xthx
- 7 = c_thx
- 8 = c_spsetup
- 9 = version

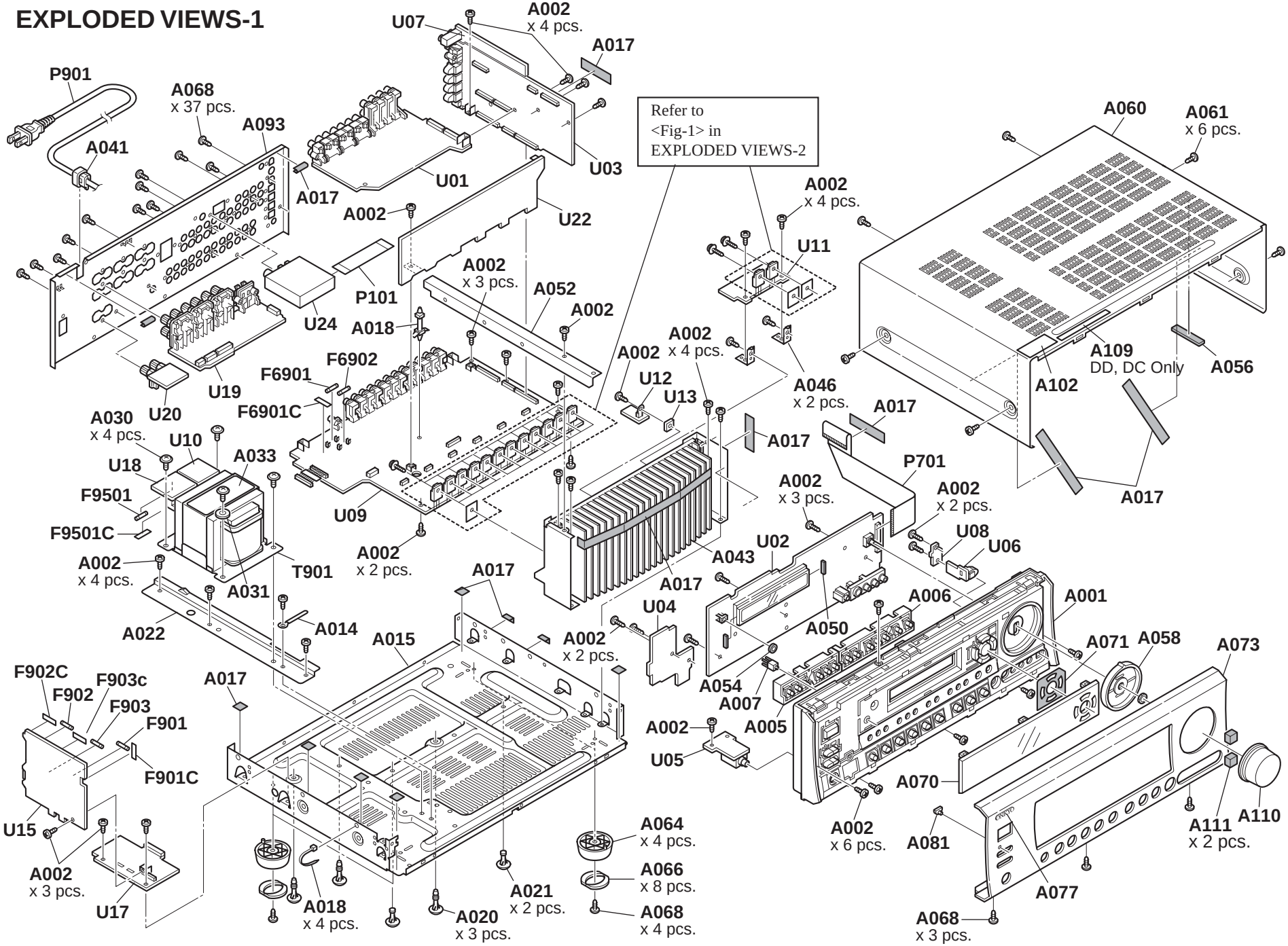
---------- DSP ----------

(8) DSP Status
- 00 = Power off
- 01 = Power on wait
- 10 = DSP reset
- 11 = DSP reset wait
- 12 = DSP AB boot ready
- 13 = DSP AB boot start
- 14 = DSP AB boot
- 15 = DSP C boot ready
- 16 = DSP C boot start
- 17 = DSP C boot
- 18 = DSP soft reset
- 20 = DSP C app start
- 21 = DSP C HW Config set
- 22 - 2A = DSP C SW Config set
- 3F = DSP C kick start
- 40 = DSP AB App start
- 41 = DSP AB HW Config set
- 42 - 4B = DSP AB SW Config set
- AF = DSP ab kick start

(9) DSP Detect Format
- 00 = Null
- 01 = Dolby Digital
- 03 = Pause
- 04 = MPEG1 L1
- 05 = MPEG1 L23/ MPEG2 w/o
- 06 = MPEG2 w/e
- 07 = MPEG2 AAC
- 08 = MPEG2 L1
- 09 = MPEG2 L2/3
- 0B = DTS1
- 0C = DTS2
- 0D = DTS3
- 1B = MPEG2 AAC1
- 1C = MPEG2 AAC2
- 20 = Silent
- 22 = DTS CD
- 23 = PCM

(10) DSP Decode
- o = Decode OK
- x = Decode NG
- -- = Analog in

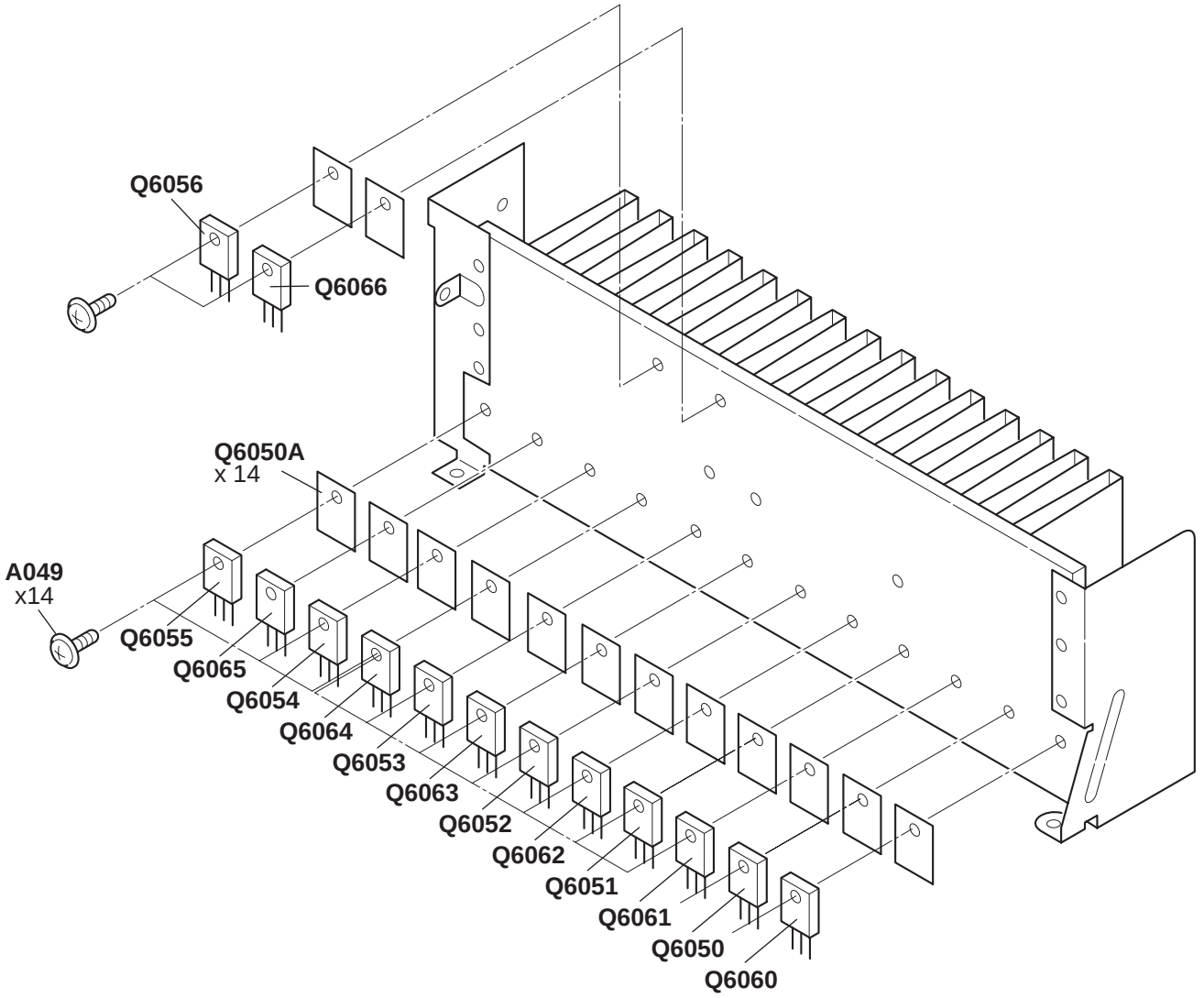
EXPLODED VIEWS-1



TX-SR603/603E/8360

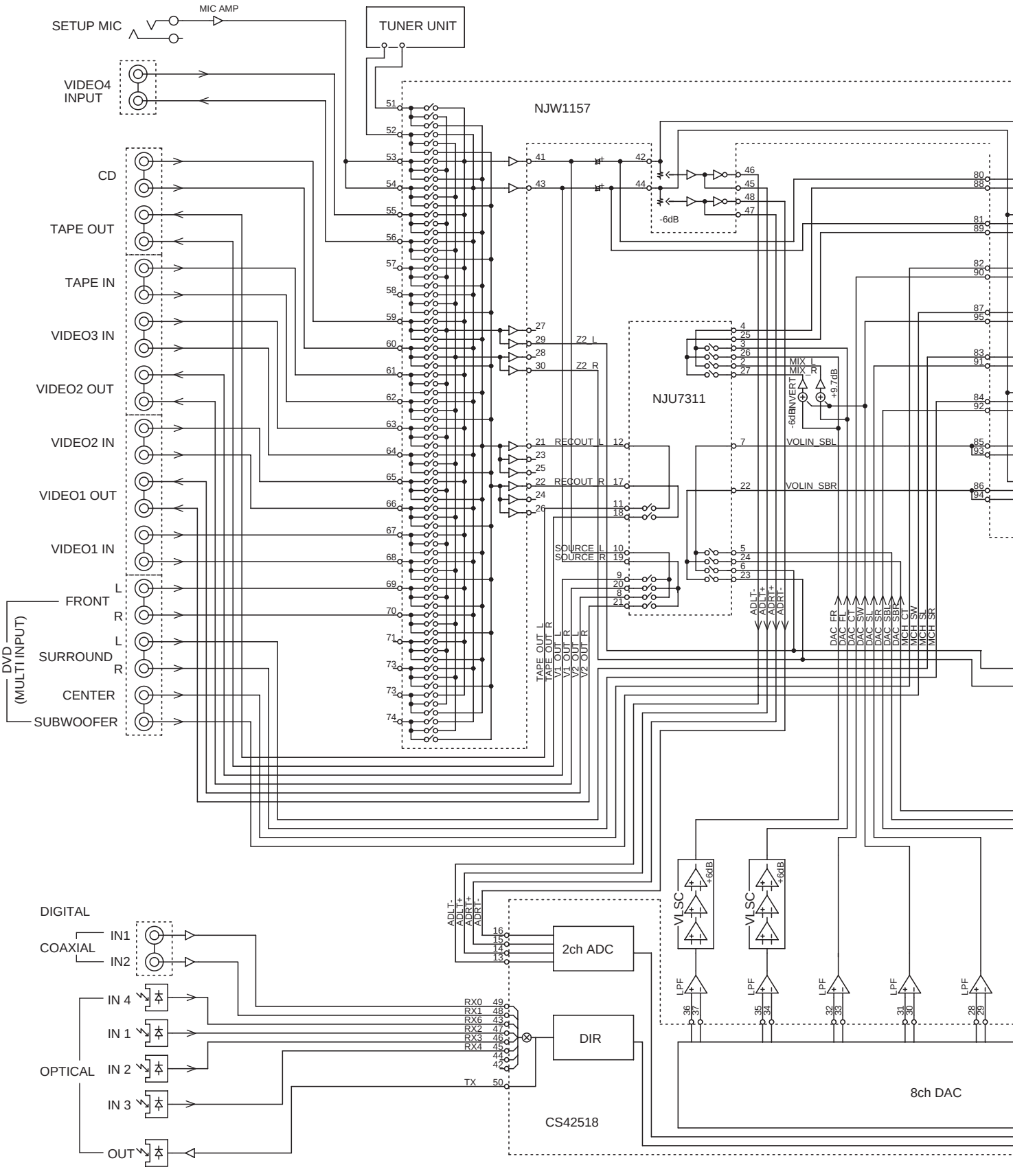
EXPLODED VIEWS-2

<Fig-1>

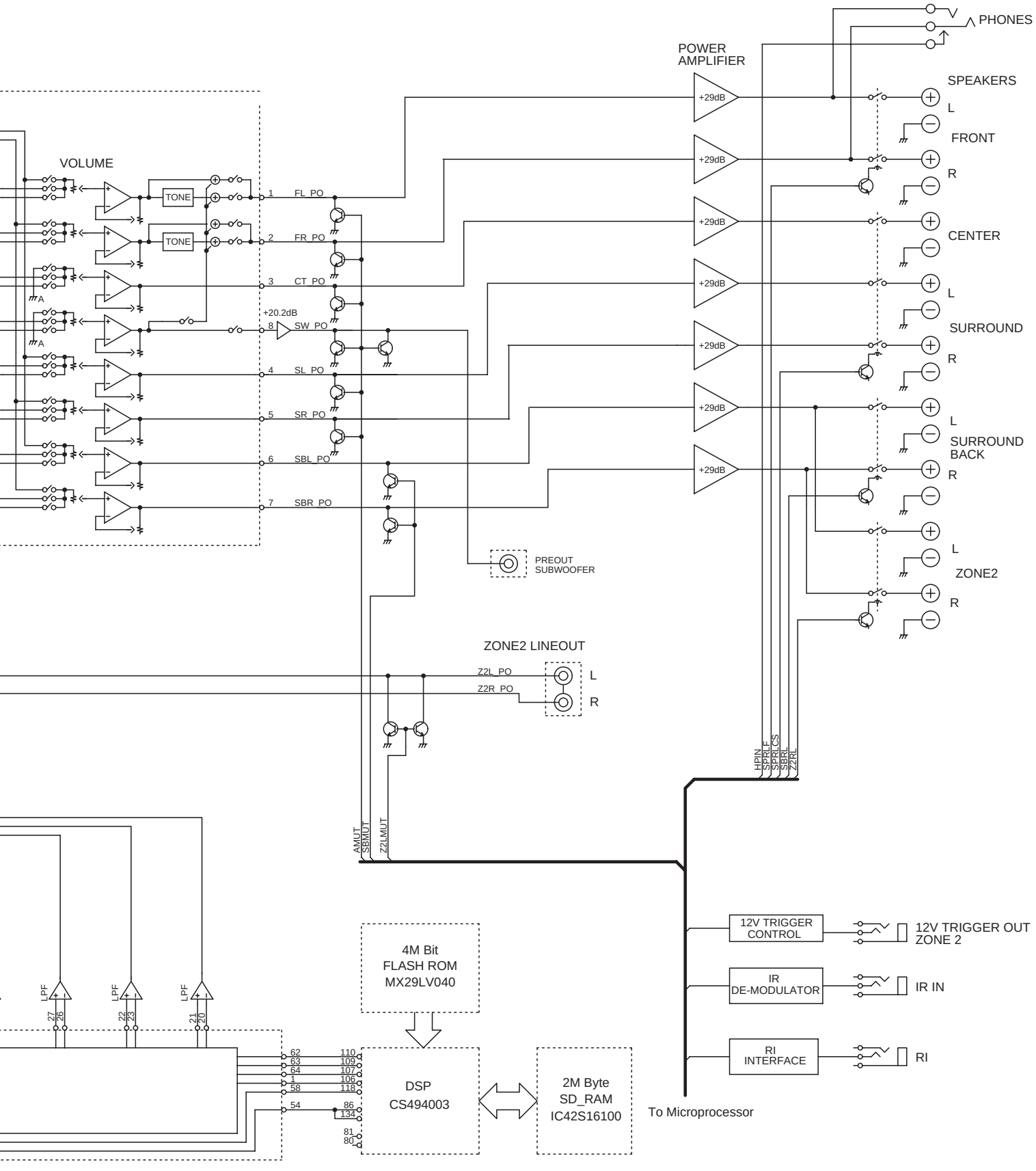


TX-SR603/603E/8360

BLOCK DIAGRAM

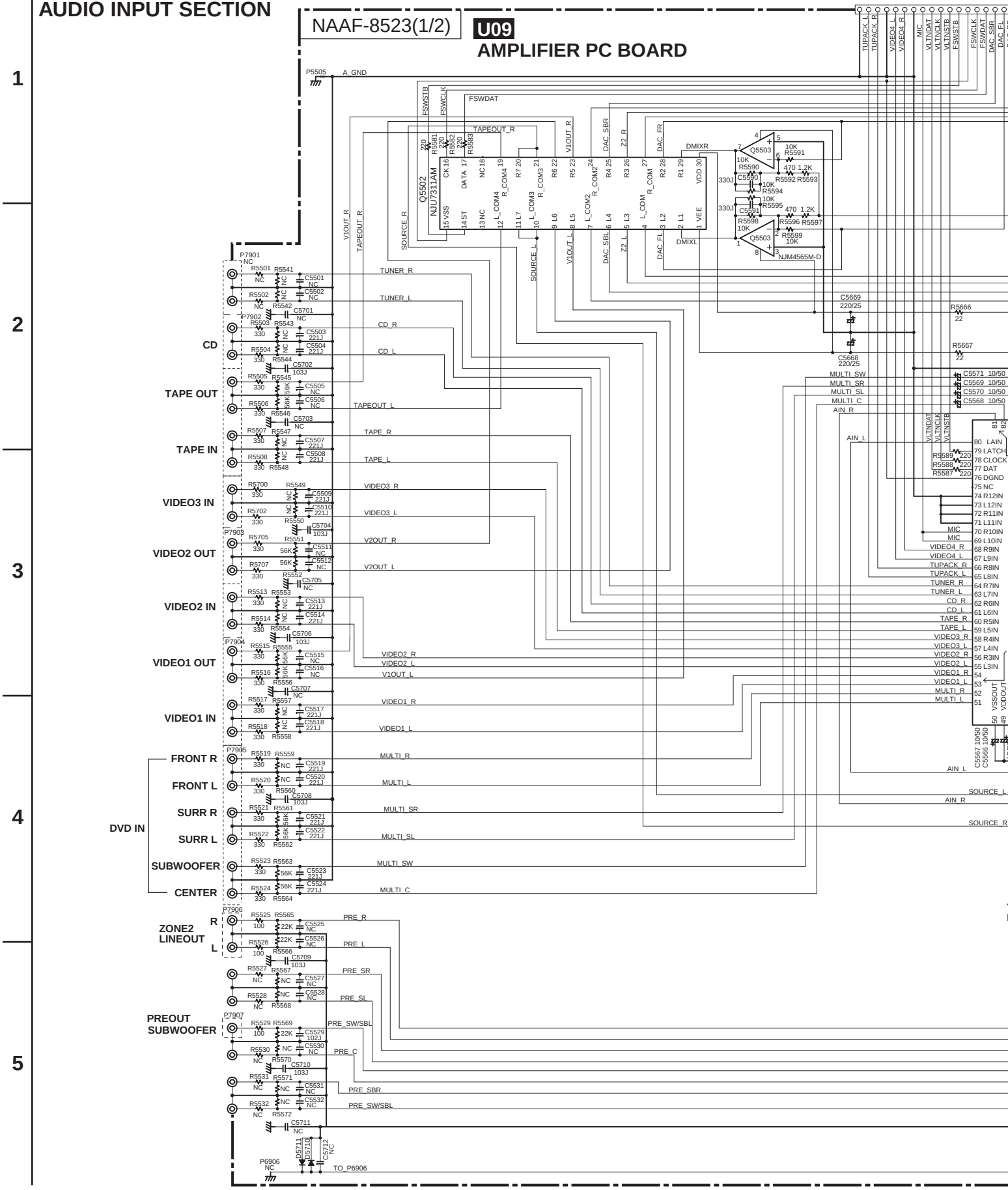


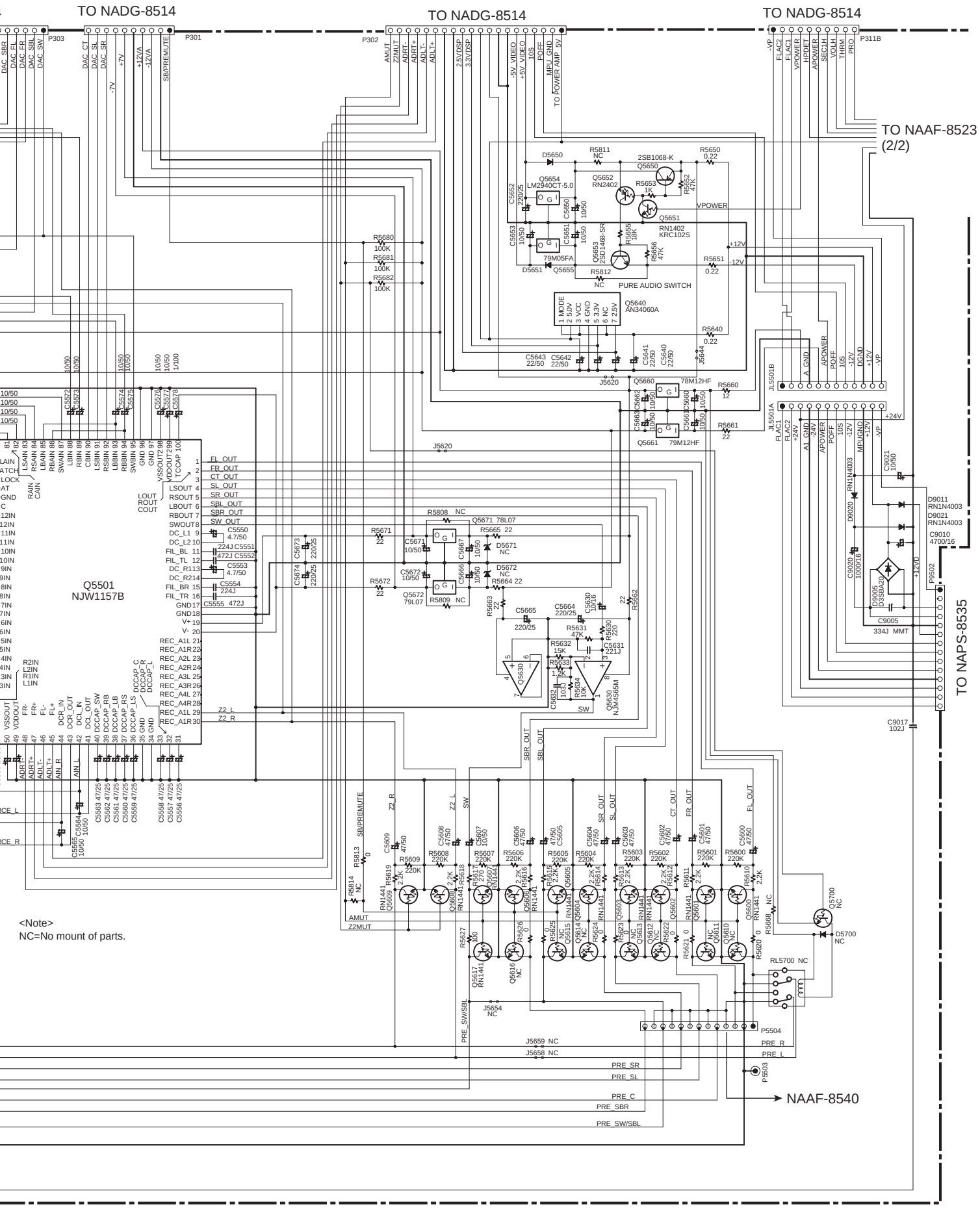
E F G H


PHONES
POWER AMPLIFIER
SPEAKERS
L
FRONT
R
CENTER
L
SURROUND
R
L
SURROUND BACK
R
L
ZONE2
R
+29dB
VOLUME
TONE
1 FL_PO
2 FR_PO
3 CT_PO
+20.2dB
8 SW_PO
4 SL_PO
5 SR_PO
6 SBL_PO
7 SBR_PO
PREOUT SUBWOOFER
ZONE2 LINEOUT
Z2L_PO
Z2R_PO
L
R
HPIN
SPRLF
SPRLCS
SPRLL
Z2RL
AMUT
SBMUT
Z2LMUT
LPF
27
26
22
23
21
20
62
63
64
1
58
54
110
109
107
106
118
86
134
81
80
4M Bit FLASH ROM MX29LV040
DSP CS494003
2M Byte SD_RAM IC42S16100
12V TRIGGER CONTROL
12V TRIGGER OUT ZONE 2
IR DE-MODULATOR
IR IN
RI INTERFACE
RI
To Microprocessor

SCHEMATIC DIAGRAMS-1

AUDIO INPUT SECTION




E
F
G
H
TO NADG-8514
TO NADG-8514
TO NADG-8514
TO NAAF-8523
(2/2)
TO NAPS-8535
NAAF-8540
Q5501
NJW1157B
Q5630
NJM4565M
Q5640
AN34060A
PURE AUDIO SWITCH
SW
P303
P301
P302
P311B
P9502
P5504
P5503
J5620
J5654
NC
J5659 NC
J5658 NC
RL5700 NC
D5700
NC
C9005
334J MMT
C9017
102J
<Note>
NC=No mount of parts.

SCHEMATIC DIAGRAMS-1

AUDIO INPUT SECTION

NAAF-8523(1/2) **U09**

AMPLIFIER PC BOARD

TO NADG-8514

TO NADG-8514

TO NADG-8514

TO NADG-8514

TO NAF-8523 (2/2)

TO NAPS-8535

NAAF-8540

Q5501 NJW1157B

Q5503 NJM4565M-D

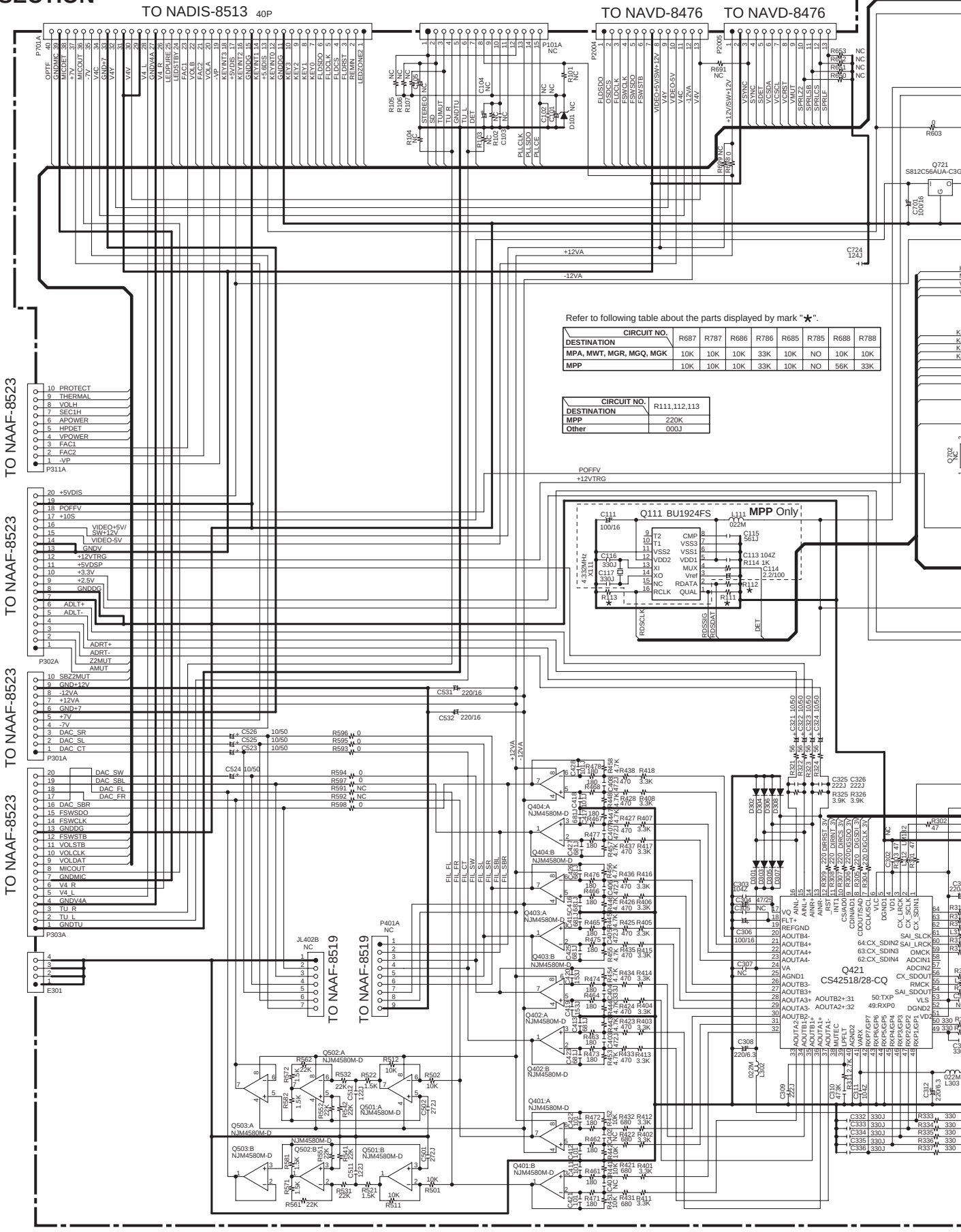
Q5630 NJM4565M

Q5502 NJU7311AM

<Note>
NC=No mount of parts.

SCHEMATIC DIAGRAMS-2

DSP SECTION



E F G H

8514

U03 DSP PC BOARD

U07 NAETC-8518
IR IN TERMINAL PC BOARD

12V TRIGGER OUT
ZONE2
IR IN
IN 1
COAXIAL
IN 2
DIGITAL
IN 1
IN 2
OPTICAL
IN 3
OUT

Q701
M30622MGP-236FPU0

TO FLASH WRITER

Q151 TC74VHC541FT
Q152 TC74HCT7007AF
Q131 TC74HCU04AF
Q171 TC7WU04FU
Q201 CS494003
Q281 MX26LV040-70
Q282 IC42S16100

SCHEMATIC DIAGRAMS-2

DSP SECTION

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

CIRCUIT NO. / DESTINATION	R687	R787	R686	R786	R685	R785	R688	R788
MPA, MWT, MGR, MGQ, MGK	10K	10K	10K	33K	10K	NO	10K	10K
MPP	10K	10K	10K	33K	10K	NO	56K	33K

CIRCUIT NO. / DESTINATION	R111,112,113
MPP	220K
Other	000J

SCHEMATIC DIAGRAMS-3

POWER AMPLIFIER SECTION-1

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

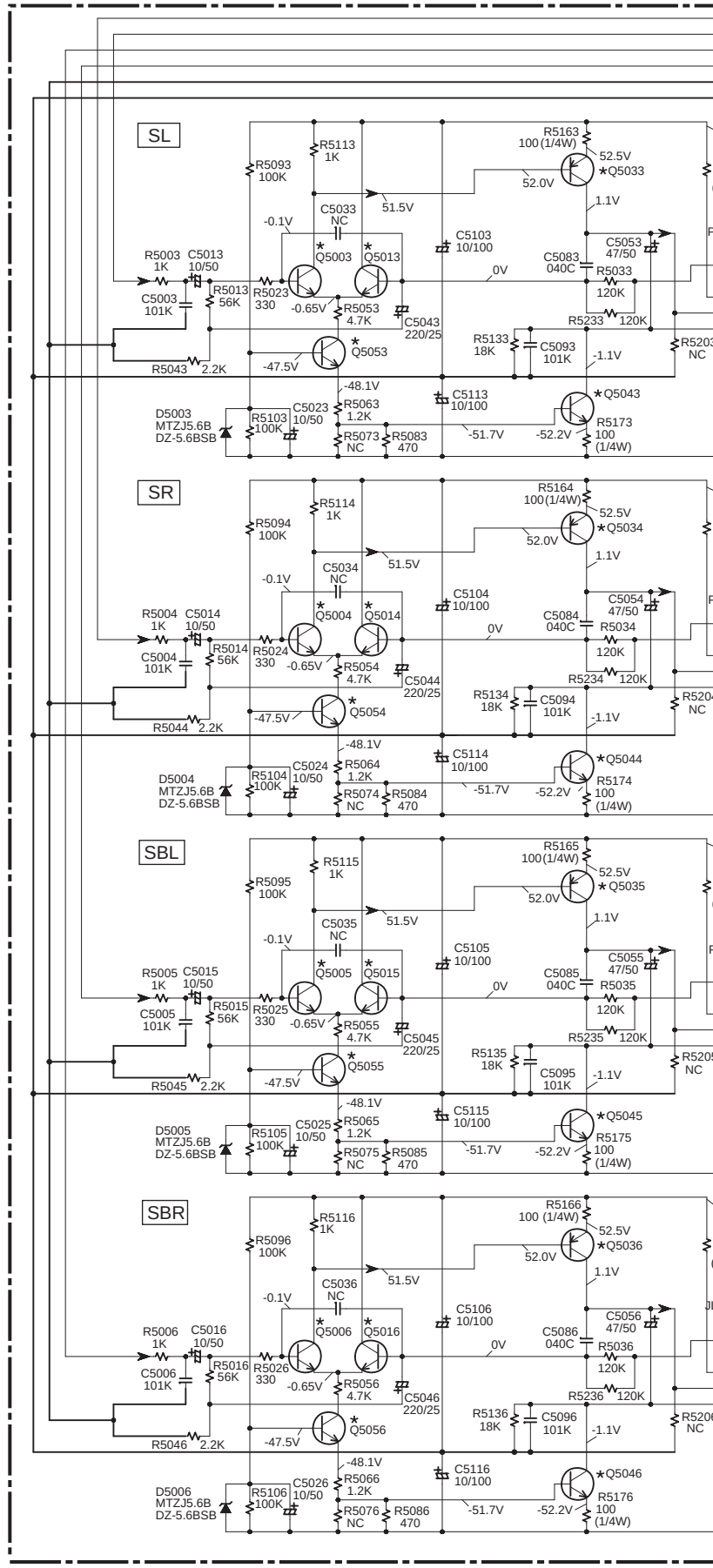
Transistors

CIRCUIT NO.	DESCRIPTION
Q5000 - 5002 Q5010 - 5012	2SC2240-BL
Q5003 - 5006 Q5013 - 5016	2SC2240-BL, KTC3200-BL
Q5030 -5036	2SA949-Y
Q5040 - 5046	2SC2229-Y
Q5050 - 5056	2SC2240-GR, BL

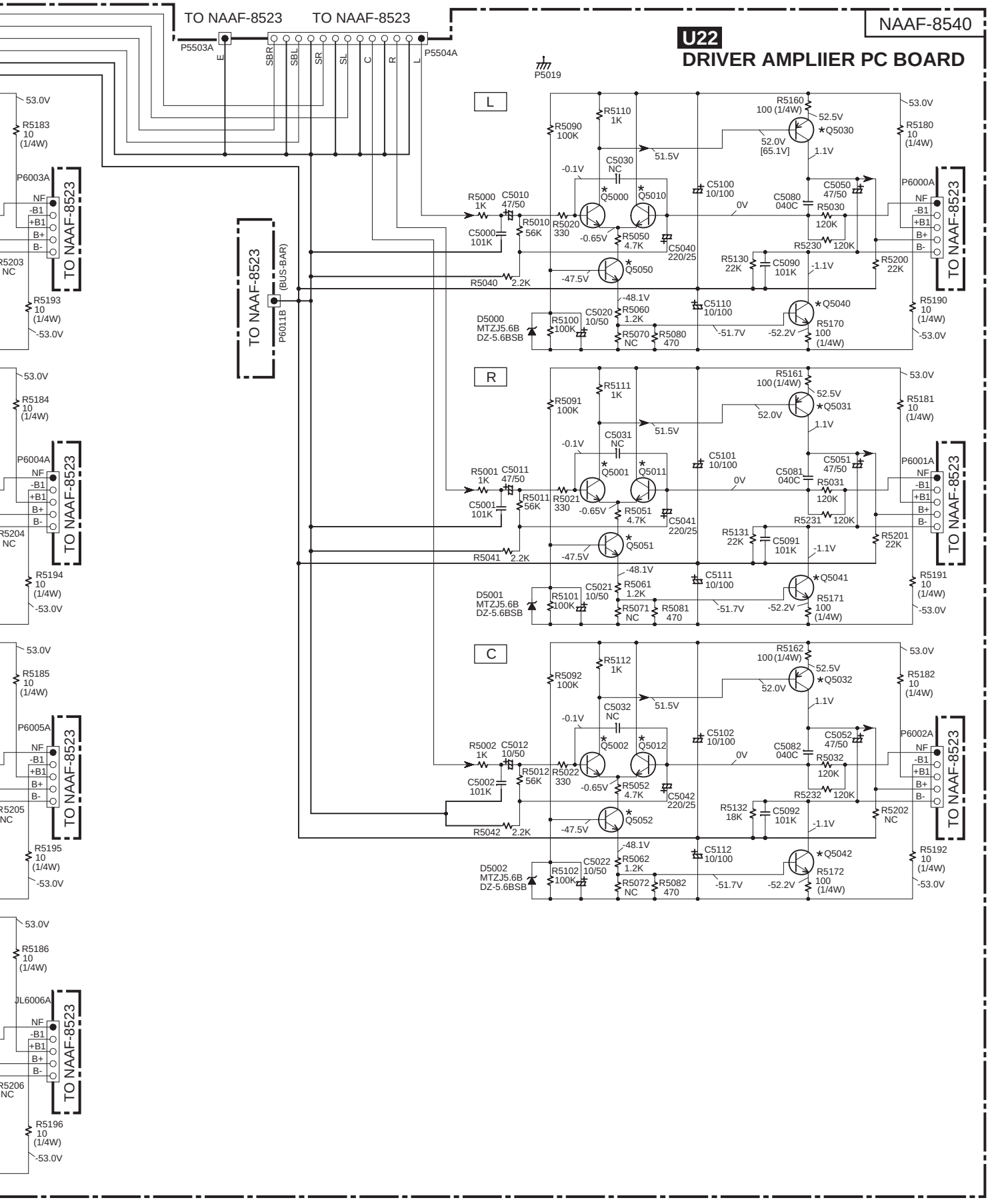
NOTE

- 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.

<Note>
NC=No mount of parts.



E F G H


NAAF-8540
U22
DRIVER AMPLIIER PC BOARD
TO NAAF-8523
TO NAAF-8523
P5503A
P5504A
E
SBR
SBL
SR
SL
C
R
L
P5019
L
R
C
TO NAAF-8523 (BUS-BAR)
P6011B
P6003A
P6004A
P6005A
P6006A
P6000A
P6001A
P6002A
R5183 10 (1/4W)
R5184 10 (1/4W)
R5185 10 (1/4W)
R5186 10 (1/4W)
R5193 10 (1/4W)
R5194 10 (1/4W)
R5195 10 (1/4W)
R5196 10 (1/4W)
R5180 10 (1/4W)
R5181 10 (1/4W)
R5182 10 (1/4W)
R5190 10 (1/4W)
R5191 10 (1/4W)
R5192 10 (1/4W)
R5203 NC
R5204 NC
R5205 NC
R5206 NC
R5202 NC
53.0V
-53.0V
R5090 100K
R5091 100K
R5092 100K
R5110 1K
R5111 1K
R5112 1K
R5160 100 (1/4W)
R5161 100 (1/4W)
R5162 100 (1/4W)
52.5V
52.0V
[65.1V]
51.5V
1.1V
Q5030
Q5031
Q5032
C5030 NC
C5031 NC
C5032 NC
-0.1V
R5000 1K
C5010 47/50
R5001 1K
C5011 47/50
R5002 1K
C5012 10/50
Q5000
Q5010
Q5001
Q5011
Q5002
Q5012
C5000 101K
C5001 101K
C5002 101K
R5010 56K
R5011 56K
R5012 56K
R5020 330
R5021 330
R5022 330
-0.65V
R5050 4.7K
R5051 4.7K
R5052 4.7K
C5040 220/25
C5041 220/25
C5042 220/25
R5040 2.2K
R5041 2.2K
R5042 2.2K
Q5050
Q5051
Q5052
-47.5V
C5100 10/100
C5101 10/100
C5102 10/100
0V
C5080 040C
C5081 040C
C5082 040C
C5050 47/50
C5051 47/50
C5052 47/50
R5030 120K
R5031 120K
R5032 120K
R5230 120K
R5231 120K
R5232 120K
R5130 22K
R5131 22K
R5132 18K
C5090 101K
C5091 101K
C5092 101K
-1.1V
R5200 22K
R5201 22K
R5202 NC
-48.1V
D5000 MTZJ5.6B DZ-5.6BSB
D5001 MTZJ5.6B DZ-5.6BSB
D5002 MTZJ5.6B DZ-5.6BSB
R5100 100K
R5101 100K
R5102 100K
C5020 10/50
C5021 10/50
C5022 10/50
R5060 1.2K
R5061 1.2K
R5062 1.2K
R5070 NC
R5071 NC
R5072 NC
R5080 470
R5081 470
R5082 470
C5110 10/100
C5111 10/100
C5112 10/100
-51.7V
-52.2V
Q5040
Q5041
Q5042
R5170 100 (1/4W)
R5171 100 (1/4W)
R5172 100 (1/4W)

SCHEMATIC DIAGRAMS-3

POWER AMPLIFIER SECTION-1

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

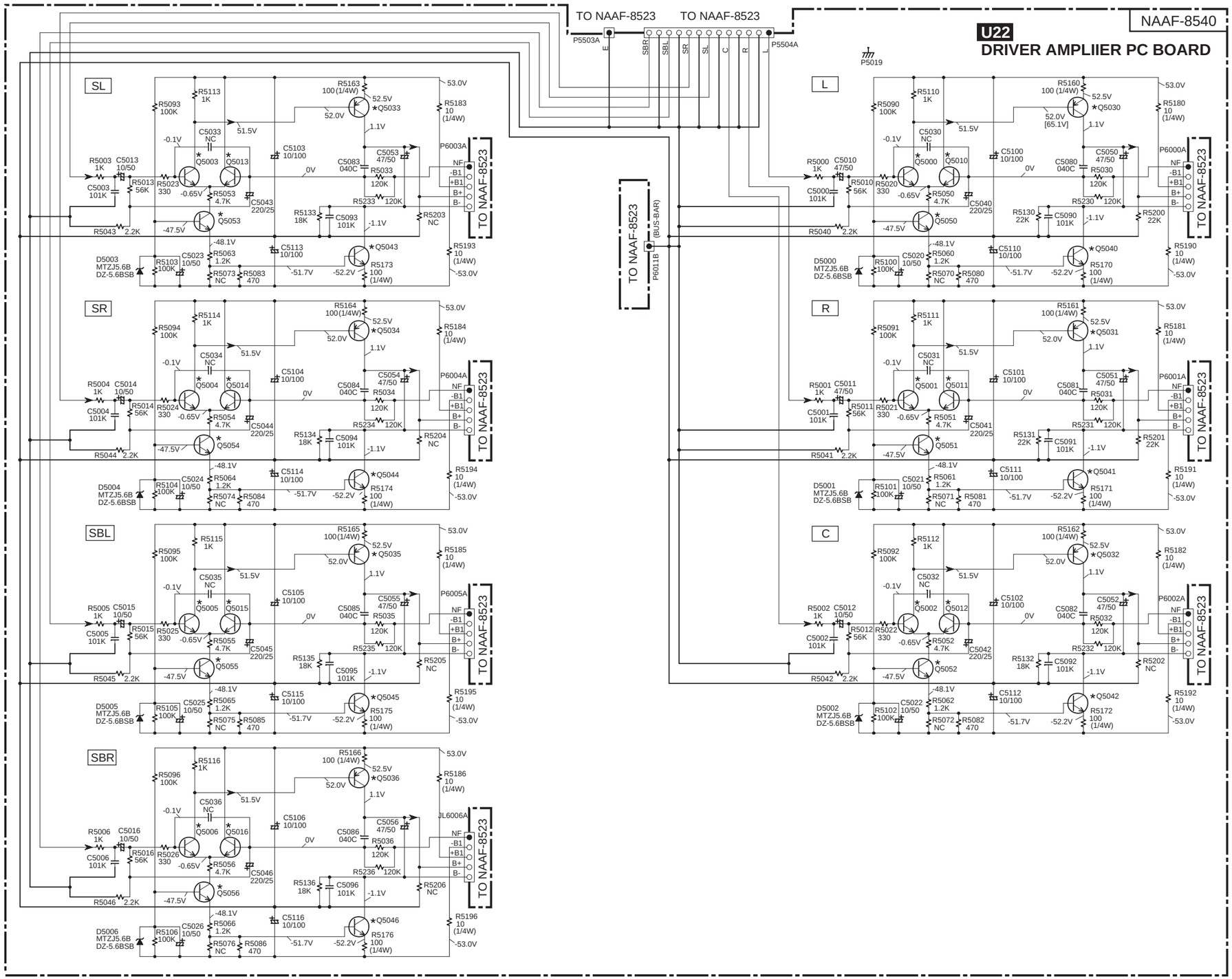
Transistors

CIRCUIT NO.	DESCRIPTION
Q5000 - 5002 Q5010 - 5012	2SC2240-BL
Q5003 - 5006 Q5013 - 5016	2SC2240-BL, KTC3200-BL
Q5030 -5036	2SA949-Y
Q5040 - 5046	2SC2229-Y
Q5050 - 5056	2SC2240-GR, BL

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.

<Note>
NC=No mount of parts.



A B C D

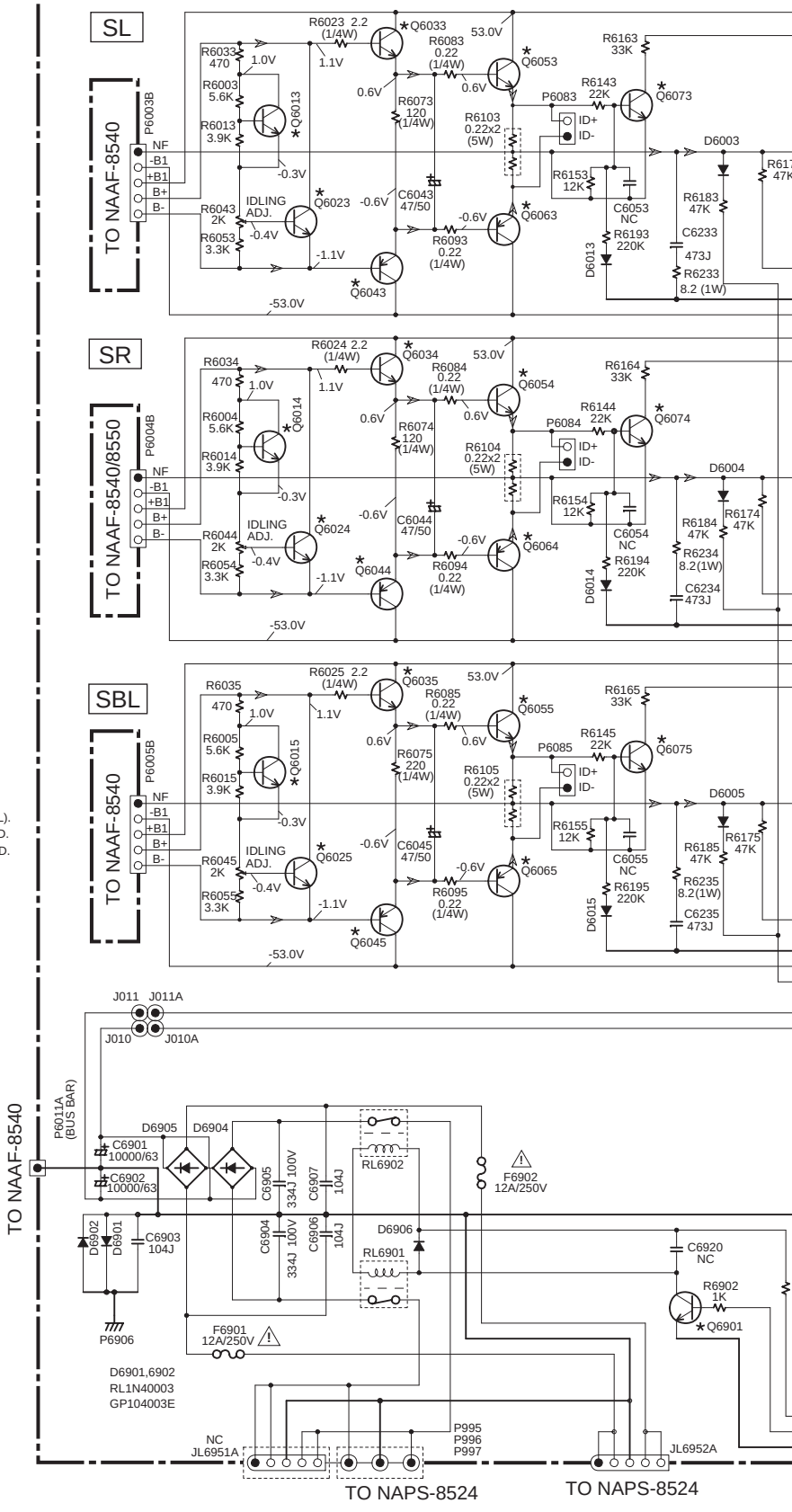
SCHEMATIC DIAGRAMS-4

POWER AMPLIFIER SECTION-2

NAAF-8523(2/2)

U05

AMPLIFIER PC BOARD



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

Transistors

CIRCUIT NO.	DESCRIPTION
Q6010 - 6016	2SC1740S-S
Q6020 - 6026	2SC1740S-S
Q6030 - 6036	2SC5171, 2SC5993-Q, P
Q6040 - 6046	2SA1930, 2SA2140-Q, P
Q6070 - 6076	2SC2229-Y
Q6701, 6702	2SC2240-GR, BL, KTC3200-GR, BL
Q6703	KTA1268-BL, GR, 2SA992-E, F 2SA1123-R
Q6050 - 6052	2SC5242-O, R
Q6053 - 6055	2SC5242-O, R, MN130S-Y, P, O
Q6060 - 6062	2SA1962-O, R
Q6063 - 6060	2SA1962-O,R, MP130S-Y, P, O

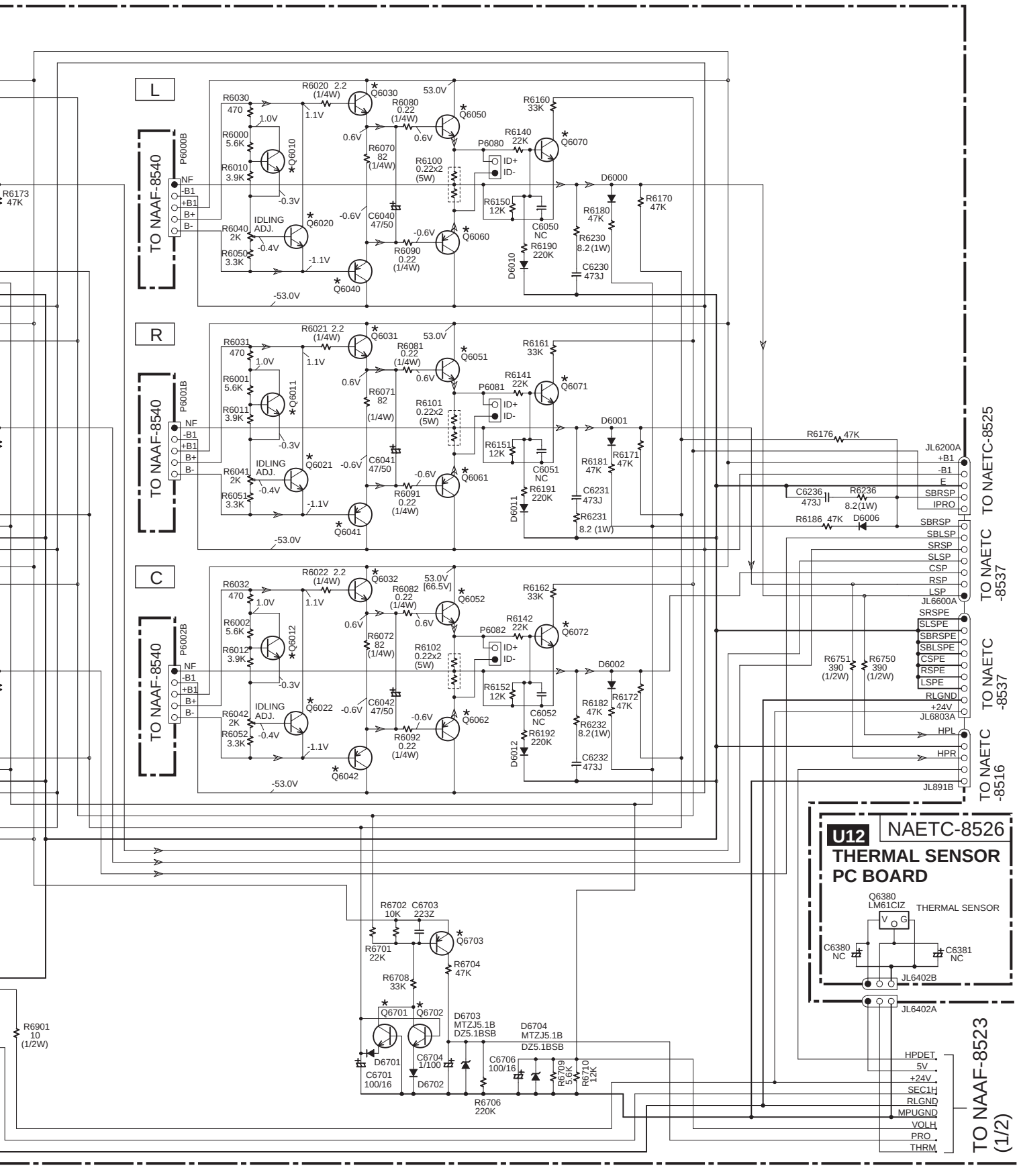
NOTE

- 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.

<Note>
NC=No mount of parts.

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

E F G H


L
R
C
TO NAAF-8540
P6000B
P6001B
P6002B
NF
-B1
+B1
B+
B-
R6030 470
R6000 5.6K
R6010 3.9K
R6040 2K
R6050 3.3K
IDLING ADJ.
R6020 2.2 (1/4W)
R6080 0.22 (1/4W)
R6070 82 (1/4W)
R6100 0.22x2 (5W)
R6090 0.22 (1/4W)
C6040 47/50
R6150 12K
C6050 NC
R6190 220K
R6160 33K
R6140 22K
P6080
ID+
ID-
R6180 47K
R6230 8.2 (1W)
C6230 473J
R6170 47K
D6000
D6010
R6173 47K
Q6010
Q6020
Q6030
Q6040
Q6050
Q6060
Q6070
1.0V
1.1V
0.6V
-0.3V
-0.4V
-0.6V
-1.1V
-53.0V
53.0V
R6031 470
R6001 5.6K
R6011 3.9K
R6041 2K
R6051 3.3K
R6021 2.2 (1/4W)
R6081 0.22 (1/4W)
R6071 82 (1/4W)
R6101 0.22x2 (5W)
R6091 0.22 (1/4W)
C6041 47/50
R6151 12K
C6051 NC
R6191 220K
R6161 33K
R6141 22K
P6081
R6181 47K
R6171 47K
C6231 473J
R6231 8.2 (1W)
D6001
D6011
Q6011
Q6021
Q6031
Q6041
Q6051
Q6061
Q6071
R6032 470
R6002 5.6K
R6012 3.9K
R6042 2K
R6052 3.3K
R6022 2.2 (1/4W)
R6082 0.22 (1/4W)
R6072 82 (1/4W)
R6102 0.22x2 (5W)
R6092 0.22 (1/4W)
C6042 47/50
R6152 12K
C6052 NC
R6192 220K
R6162 33K
R6142 22K
P6082
R6182 47K
R6172 47K
R6232 8.2 (1W)
C6232 473J
D6002
D6012
Q6012
Q6022
Q6032
Q6042
Q6052
Q6062
Q6072
[66.5V]
R6176 47K
C6236 473J
R6236 8.2(1W)
R6186 47K
D6006
R6751 390 (1/2W)
R6750 390 (1/2W)
JL6200A
+B1
-B1
E
SBRSP
IPRO
JL6600A
SRSPE
SLSPE
SBRSPE
SBLSPE
CSPE
RSPE
LSPE
RLGND
+24V
JL6803A
HPL
HPR
JL891B
TO NAETC-8525
TO NAETC -8537
TO NAETC -8537
TO NAETC -8516
SBRSP
SBLSP
SRSP
SLSP
CSP
RSP
LSP
R6702 10K
C6703 223Z
R6701 22K
R6704 47K
R6708 33K
Q6703
Q6701
Q6702
D6703 MTZJ5.1B DZ5.1BSB
D6704 MTZJ5.1B DZ5.1BSB
D6701
D6702
C6701 100/16
C6704 1/100
C6706 100/16
R6706 220K
R6709 5.6K
R6710 12K
R6901 10 (1/2W)
U12
NAETC-8526
THERMAL SENSOR PC BOARD
Q6380 LM61CIZ
THERMAL SENSOR
V
O
G
C6380 NC
C6381 NC
JL6402B
JL6402A
HPDET
5V
+24V
SEC1H
RLGND
MPUGND
VOLH
PRO
THRM
TO NAAF-8523 (1/2)

SCHEMATIC DIAGRAMS-4

POWER AMPLIFIER SECTION-2

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

Transistors

CIRCUIT NO.	DESCRIPTION
Q6010 - 6016	2SC1740S-S
Q6020 - 6026	2SC1740S-S
Q6030 - 6036	2SC5171, 2SC5993-Q, P
Q6040 - 6046	2SA1930, 2SA2140-Q, P
Q6070 - 6076	2SC2229-Y
Q6701, 6702	2SC2240-GR, BL, KTC3200-GR, BL
Q6703	KTA1268-BL, GR, 2SA992-E, F 2SA1123-R
Q6050 - 6052	2SC5242-O, R
Q6053 - 6055	2SC5242-O, R, MN130S-Y, P, O
Q6060 - 6062	2SA1962-O, R
Q6063 - 6060	2SA1962-O,R, MP130S-Y, P, O

NOTE

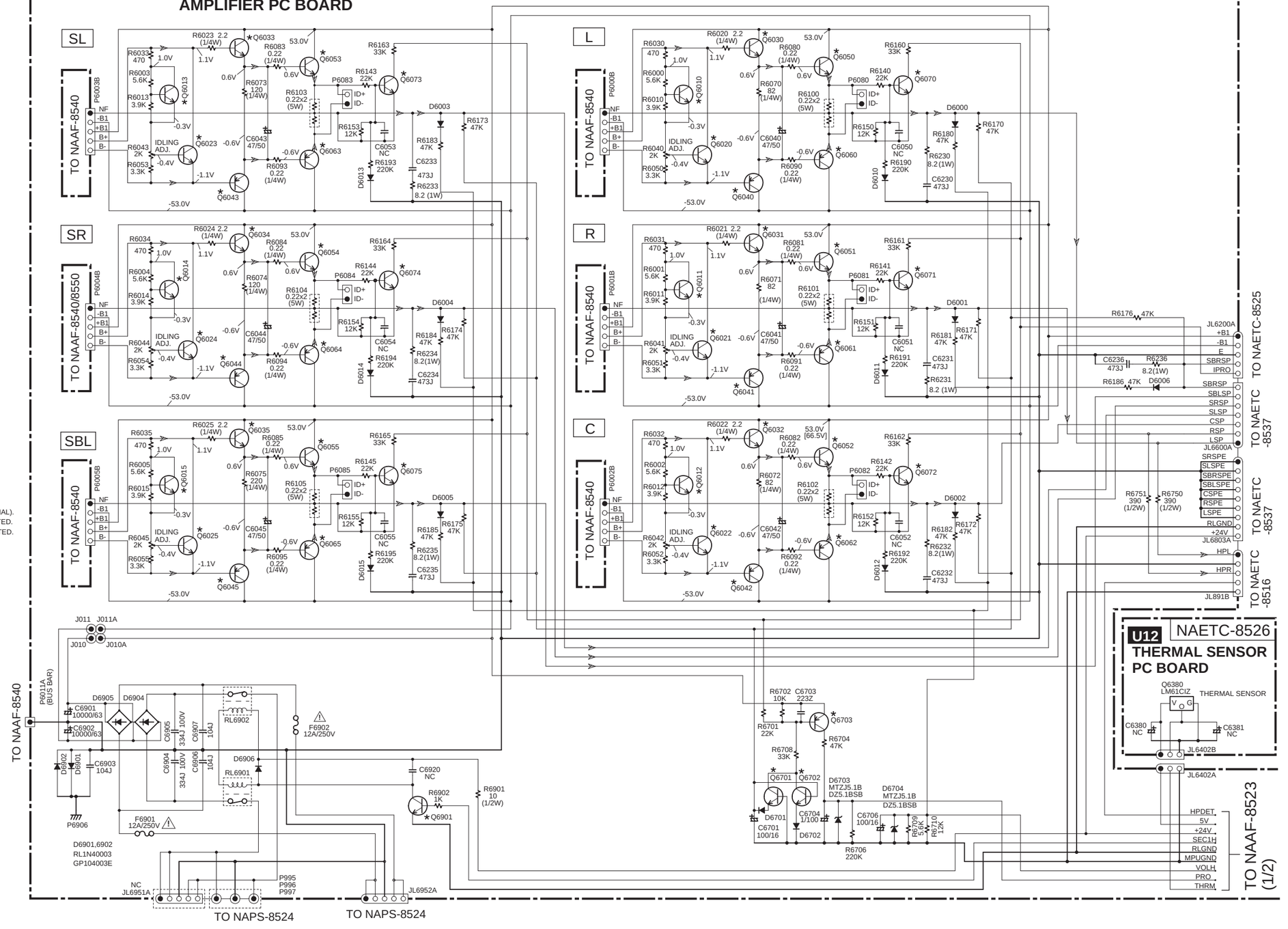
- THE COMPONENTS IDENTIFIED BY MARK ⚠ ARE CRITICAL FOR SAFETY REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER) ⟨ ⟩ IS DC VOLTAGE.(NO INPUT SIGNAL).
- ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR 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.

<Note>
NC=No mount of parts.

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

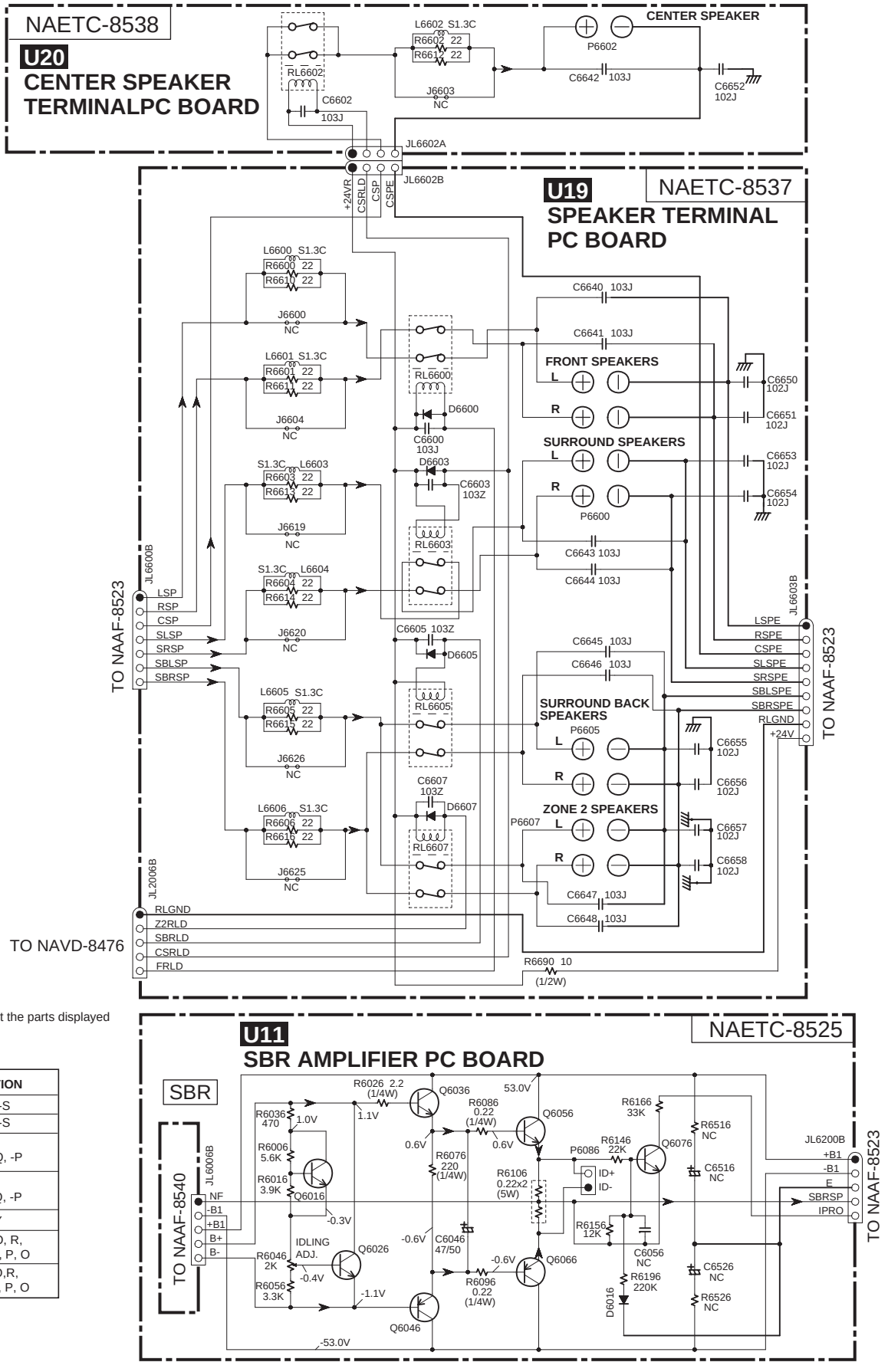
NAAF-8523(2/2)

U05
AMPLIFIER PC BOARD



SCHEMATIC DIAGRAMS-5

SPEAKER TERMINAL SECTION



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

Transistors

CIRCUIT NO.	DESCRIPTION
Q6016	2SC1740S-S
Q6026	2SC1740S-S
Q6036	2SC5171, 2SC5993-Q, -P
Q6046	2SA1930, 2SA2140-Q, -P
Q6076	2SC2229-Y
Q6056	2SC5242-O, R, MN130S-Y, P, O
Q6066	2SA1962-O,R, MP130S-Y, P, O

SCHEMATIC DIAGRAMS-6

POWER SUPPLY SECTION

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 S
- ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE
- 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.

<Note>
NC=No mount of parts.

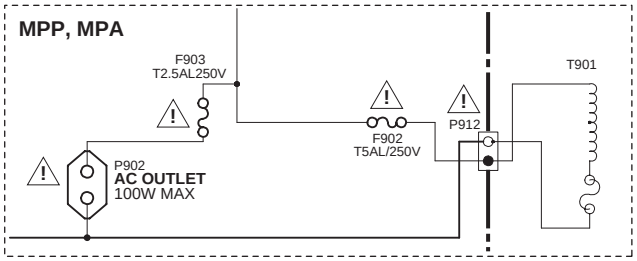
Refer to following table about the parts displayed by mark "★".

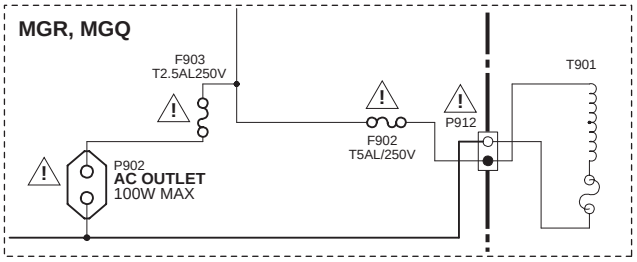
T902

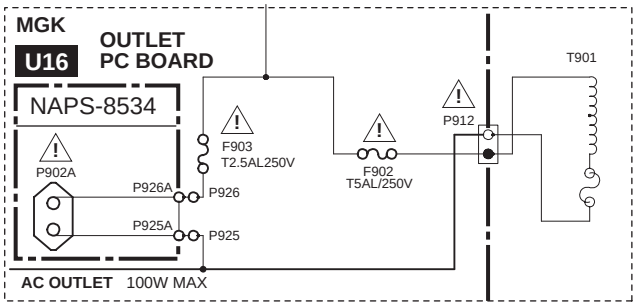
DESTINATION	DESCRIPTION
MPP, MPA	NPT-1520GQ
MGR, MGQ, MGK	NPT-1520GQ
MWT	NPT-1520JQ

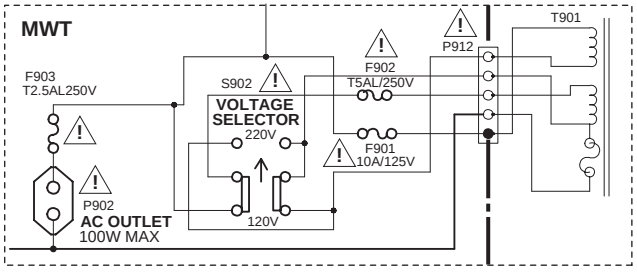
T901

DESTINATION	DESCRIPTION
MPP, MPA	NPT-1518P
MGR, MGQ, MGK	NPT-1518G
MWT	NPT-1518DQ

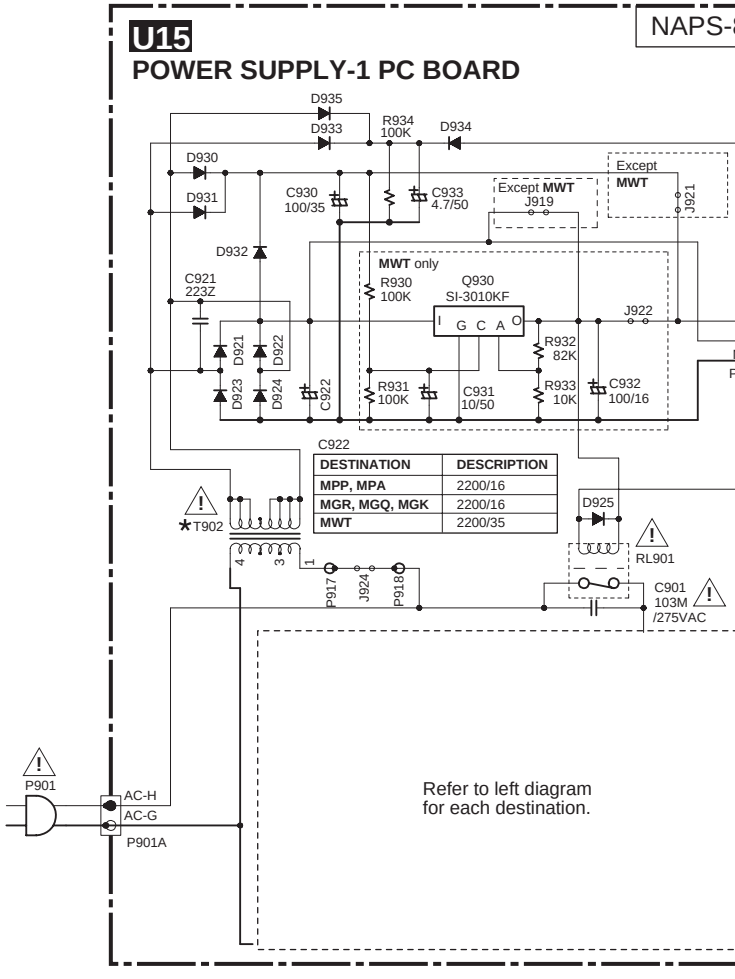








DESTINATION	AC IN
MPP, MPA	230-240V, 50Hz
MGR, MGQ, MGK	220-230V, 50/60Hz
MWT	120V/220V, 50/60Hz



E F G H

PUT SIGNAL).
WISE NOTED.
WISE NOTED.

NAPS-8535

U17
POWER SUPPLY-2 PC BOARD

D9501-9503:
RL1N4003
D9001 D9002
C9003
1000/35
C9001
334J
MMT
+24V
S3GND
D9003 D9004
C9004
470/35
-24V
J956
SEC2-1
SEC2-2
-VP
MPUGND
+12VD
+10VS
P9502A
TO NAAF-8523
C9009
220/35
D9013
R9002 22
(1/2W)
Q9002 KTA1268-GR
2SA970-GR
D9009
D9009,9013
RL1N4003
GP104003E
R9003
8.2K
R9004
8.2K
R9005
330K
C9016
10/50
C9014
470/63
C9015
10/50
Except
MWT
J962
D9012
MTZJ36D
J955
NC
POWER
POFFV
FLAC1
FLAC2
MWT only
Q9021
RN2202
R9023
10K
D9023
D9022
D9024
R9022
10K
Q9022
RN2202
Q9023
RN1202
C9021
1000/16
D9025
D9026
MTZJ12C
DZ-12BSC
R9024
3.3K
C9708
222J
E9001
D9706
D9705
P931B
P931A
POFFVP
+10VS
+12VD
MPUGND
POWERD
POFFVP
POWERD
R922
10K
R923
1K
Q921
KTC3199-GR
2SC2458-GR
FLAC1
FLAC2
SEC3-2
S3GND
SEC3-1
SEC2-2
SEC2-1
JL9501B

PS-8533

★T901

JL9501A
8
★R9594
FLAC1
C9591
104J
9
10
R9592
0.47(1/2W)
11
12
R9591
0.47(1/2W)
13
14
F9501
T2.5AL250V
FLAC2
SEC3-2
GND
SEC3-1
SEC2-2
SEC2-1

NAPS-8536

U18
SEC. TERMINAL-1
PC BOARD

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

R9594

DISTINATION	DESCRIPTION
MPA, MWT	8.2 (1/2W)
MPP, MGR, MGQ, MGK	5.6 (1/2W)

NAETC-8524

U10
SEC. TERMINAL-2
PC BOARD

15
16
17
18
19
P997 P995 P996
TO NAAF-8523
NC
JL6951B
NC
JL6952B
TO NAAF-8523

SCHEMATIC DIAGRAMS-6

POWER SUPPLY SECTION

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.

<Note>
NC=No mount of parts.

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

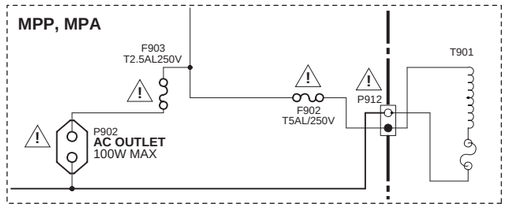
T902

DESTINATION	DESCRIPTION
MPP, MPA	NPT-1520GQ
MGR, MGQ, MGK	NPT-1520GQ
MWT	NPT-1520JQ

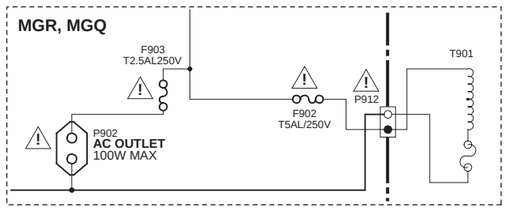
T901

DESTINATION	DESCRIPTION
MPP, MPA	NPT-1518P
MGR, MGQ, MGK	NPT-1518G
MWT	NPT-1518DQ

MPP, MPA

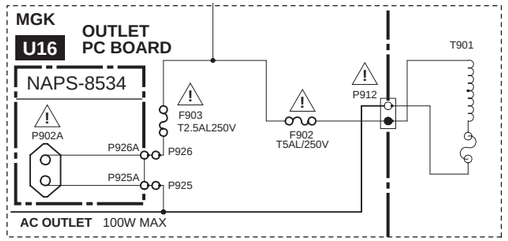


MGR, MGQ

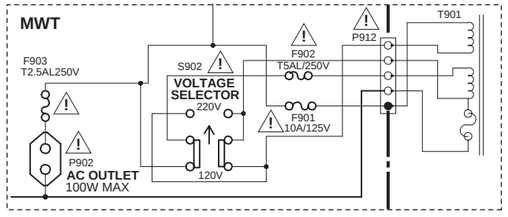


MGK

U16 OUTLET PC BOARD



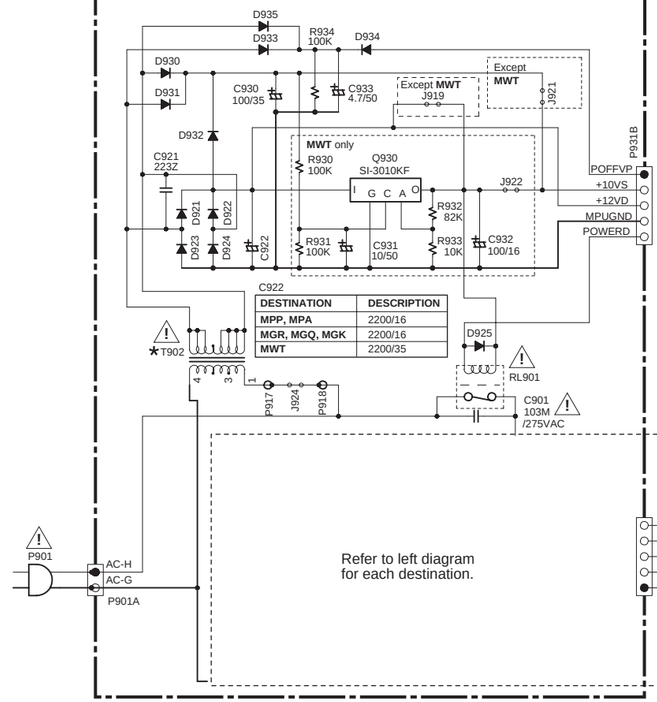
MWT



DESTINATION	AC IN
MPP, MPA	230-240V, 50Hz
MGR, MGQ, MGK	220-230V, 50/60Hz
MWT	120V/220V, 50/60Hz

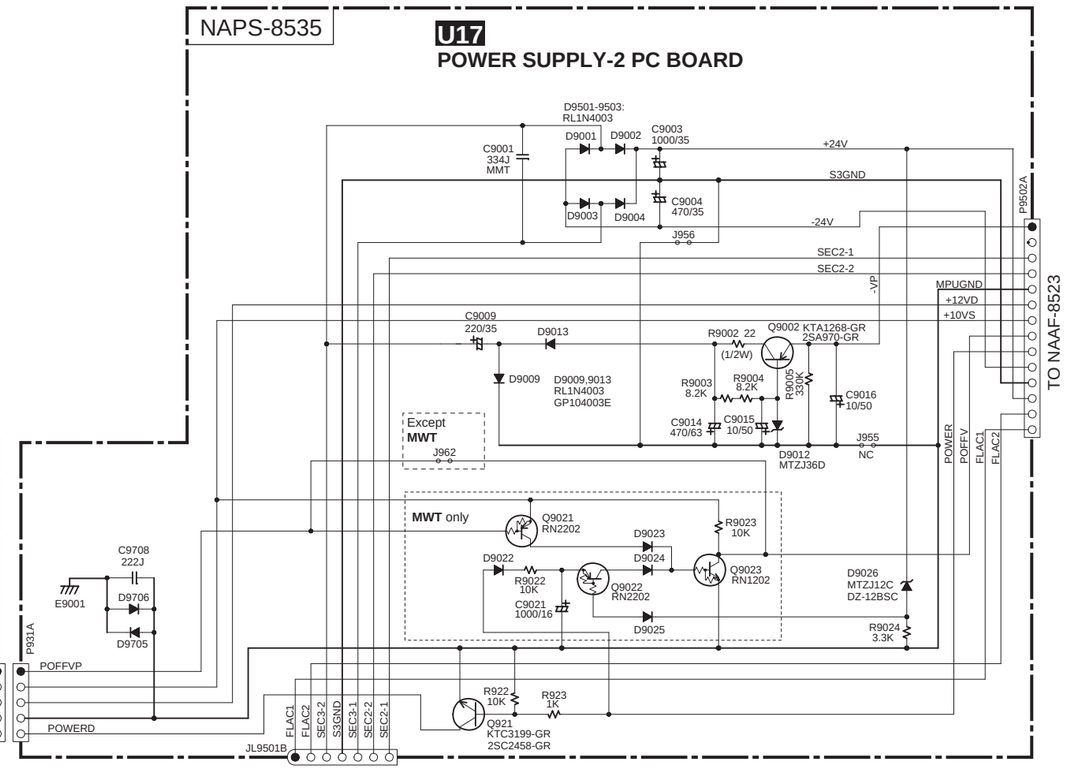
NAPS-8533

U15
POWER SUPPLY-1 PC BOARD



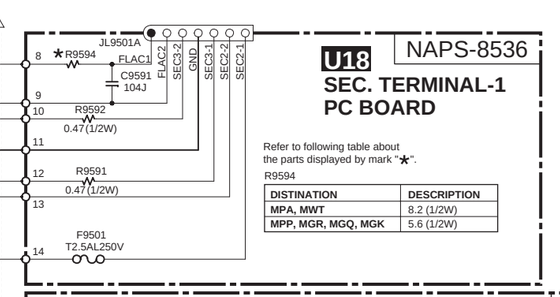
NAPS-8535

U17
POWER SUPPLY-2 PC BOARD



NAPS-8536

U18
SEC. TERMINAL-1 PC BOARD



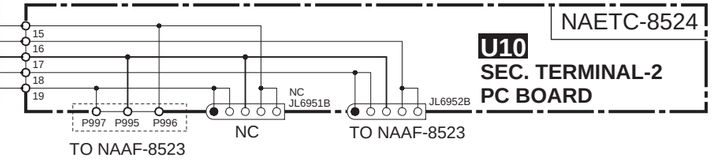
Refer to following table about
the parts displayed by mark "★".

R9594

DISTINATION	DESCRIPTION
MPA, MWT	8.2 (1/2W)
MPP, MGR, MGQ, MGK	5.6 (1/2W)

NAETC-8524

U10
SEC. TERMINAL-2 PC BOARD



A B C D

1 2 3 4 5

SCHEMATIC DIAGRAMS-7

DISPLAY SECTION

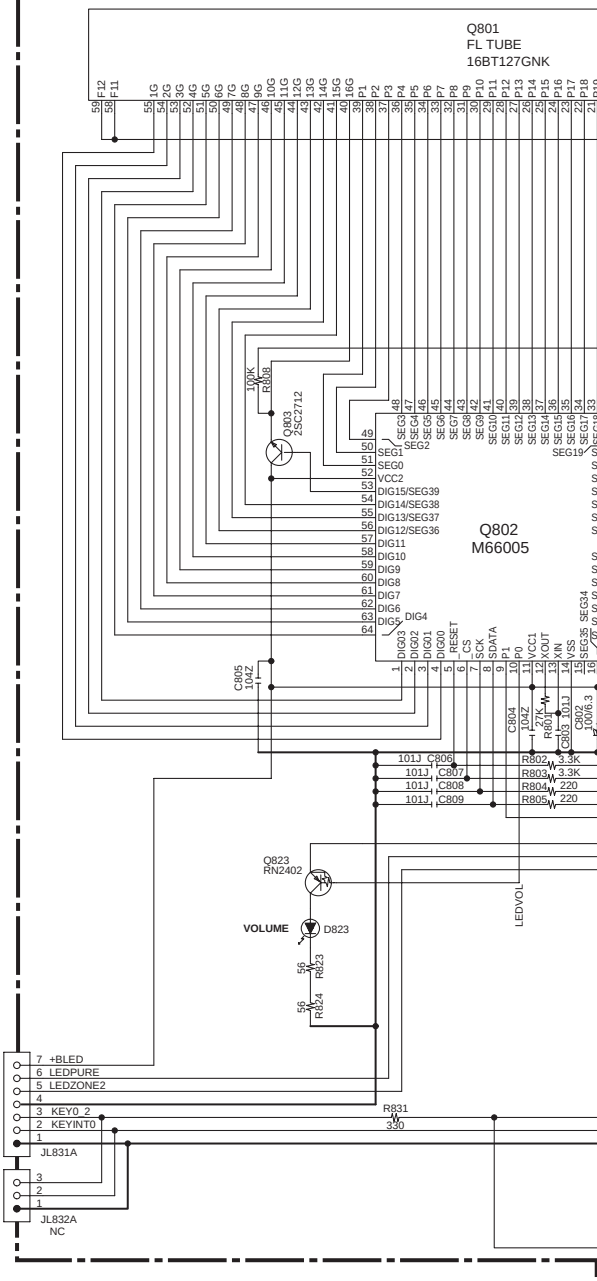
NOTE

- 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.

<Note>
NC=No mount of parts.

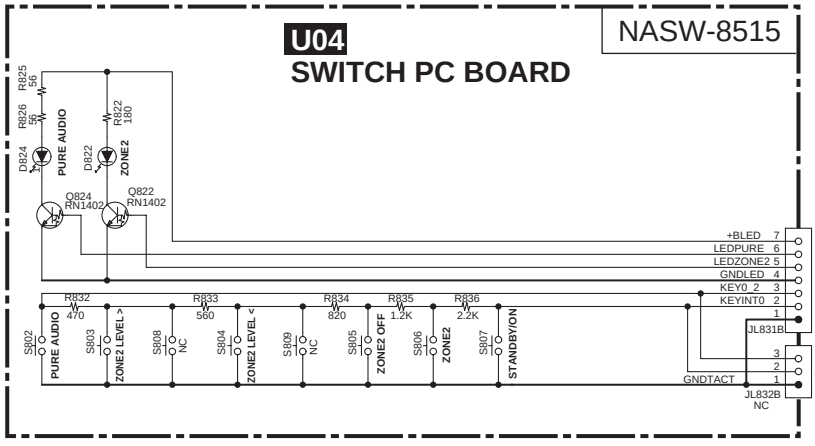
NADIS-8513

U02 DISPLAY PC BOARD



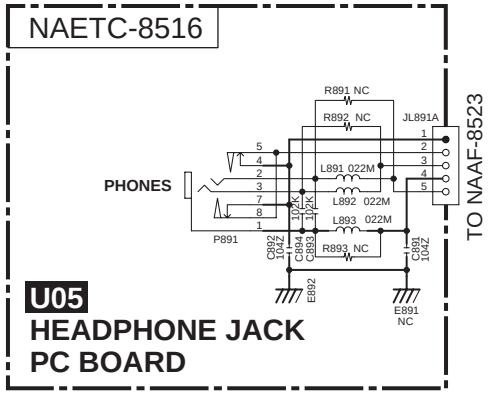
NASW-8515

U04 SWITCH PC BOARD

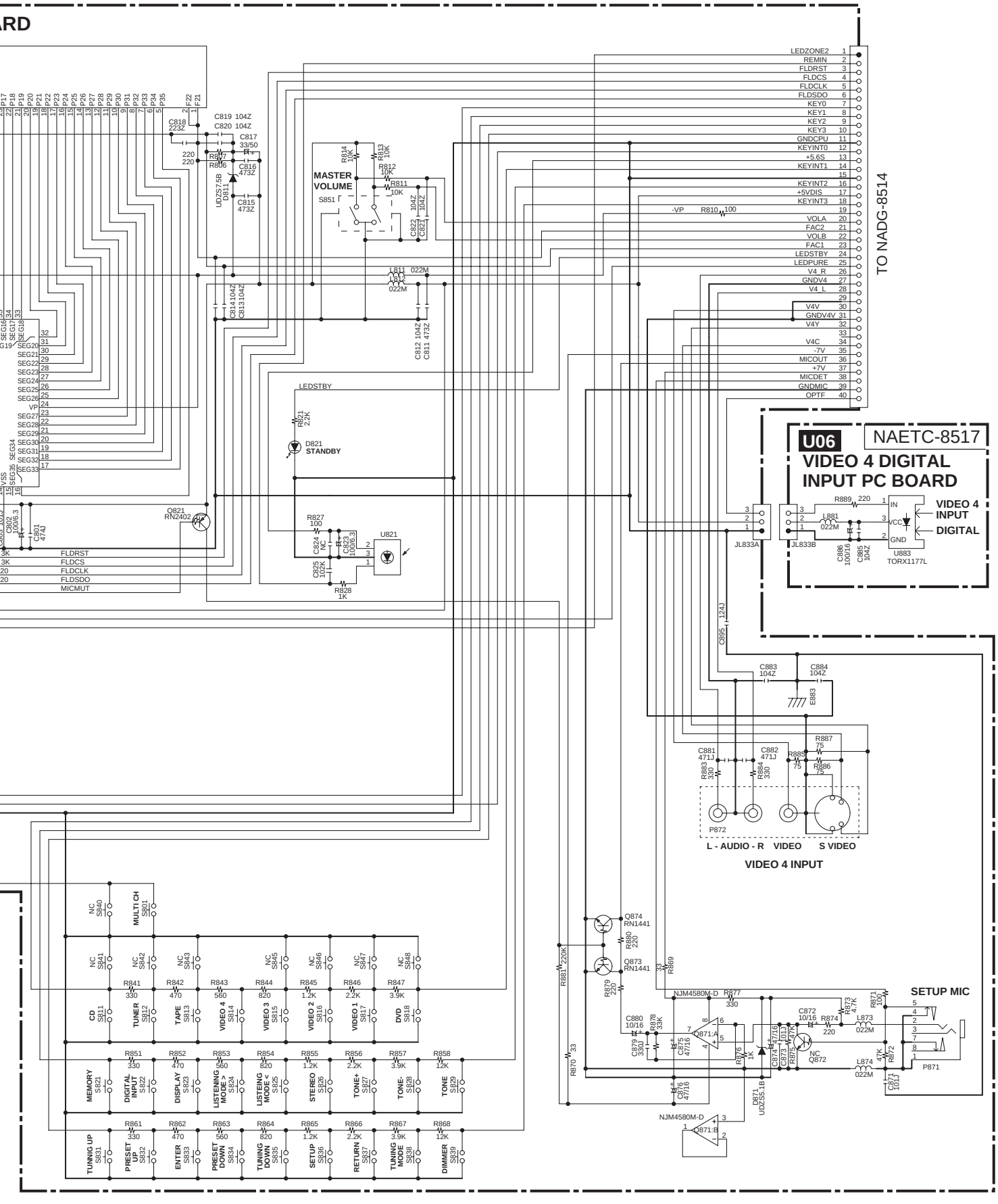


NAETC-8516

U05 HEADPHONE JACK PC BOARD



E F G H


ARD
TO NADG-8514
LEDZONE2 1
REMIN 2
FLDRST 3
FLDCS 4
FLDCLK 5
FLDSDO 6
KEY0 7
KEY1 8
KEY2 9
KEY3 10
GNDCPU 11
KEYINT0 12
+5.6S 13
KEYINT1 14
KEYINT2 16
+5VDIS 17
KEYINT3 18
-VP R810 100
VOLA 20
FAC2 21
VOLB 22
FAC1 23
LEDSTBY 24
LEDPURE 25
V4_R 26
GNDV4 27
V4_L 28
V4V 30
GNDV4V 31
V4Y 32
V4C 34
-7V 35
MICOUT 36
+7V 37
MICDET 38
GNDMIC 39
OPTF 40
MASTER VOLUME
S851
R814 10K
R813 10K
R812 10K
R811 10K
C822 104Z
C821 104Z
C819 104Z
C820 104Z
C818 223Z
C817 33/50
C816 473Z
C815 473Z
R817 220
R816 220
UDZS.15B D811
L811 022M
L812 022M
C814 104Z
C813 104Z
C812 104Z
C811 473Z
LEDSTBY
R821 2.2K
D821 STANDBY
Q821 RN2402
R827 100
C824 NC
C823 100/6.3
U821
C825 102K
R828 1K
C801 474J
FLDRST
FLDCS
FLDCLK
FLDSDO
MICMUT
U06
NAETC-8517
VIDEO 4 DIGITAL INPUT PC BOARD
JL833A
JL833B
R889 220
L881 022M
C886 100/16
C885 104Z
U883 TORX1177L
IN
VCC
GND
VIDEO 4 INPUT
DIGITAL
C895 124J
C883 104Z
C884 104Z
E883
C881 471J
C882 471J
R883 330
R884 330
R885 75
R886 75
R887 75
P872
L - AUDIO - R
VIDEO
S VIDEO
VIDEO 4 INPUT
Q874 RN1441
Q873 RN1441
R880 220
R879 220
R881 220K
R869 33
NJM4580M-D
R877 330
C880 10/16
R878 33K
C879 330
C876 47/16
D871:A
R876 1K
C872 10/16
R874 220
R873 4.7K
L873 022M
C874 47/16
C873 10/16
R875 47K
NC Q872
L874 022M
R871 4.7K
C871 10/16
R872 4.7K
P871
SETUP MIC
R870 33
C877 47/16
D871 UDZS5.1B
D871:B
MULTI CH S801
NC S840
NC S841
NC S842
NC S843
NC S845
NC S846
NC S847
NC S848
CD S811
TUNER S812
TAPE S813
VIDEO 4 S814
VIDEO 3 S815
VIDEO 2 S816
VIDEO 1 S817
DVD S818
R841 330
R842 470
R843 560
R844 820
R845 1.2K
R846 2.2K
R847 3.9K
MEMORY S821
DIGITAL INPUT S822
DISPLAY S823
LISTENING MODE > S824
LISTENING MODE < S825
STEREO S826
TONE+ S827
TONE- S828
TONE S829
R851 330
R852 470
R853 560
R854 820
R855 1.2K
R856 2.2K
R857 3.9K
R858 12K
TUNNING UP S831
PRESET UP S832
ENTER S833
PRESET DOWN S834
TUNING DOWN S835
SETUP S836
RETURN S837
TUNING MODE S838
DIMMER S839
R861 330
R862 470
R863 560
R864 820
R865 1.2K
R866 2.2K
R867 3.9K
R868 12K

SCHEMATIC DIAGRAMS-7

DISPLAY SECTION

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.

<Note>
NC=No mount of parts.

NADIS-8513

U02 DISPLAY PC BOARD

Q801
FL TUBE
16BT127GNK

Q802
M66005

TO NADG-8514

NASW-8515

U04
SWITCH PC BOARD

NAETC-8516

U05
HEADPHONE JACK
PC BOARD

TO NAAF-8523

NAETC-8517

U06
VIDEO 4 DIGITAL
INPUT PC BOARD

VIDEO 4 INPUT
DIGITAL

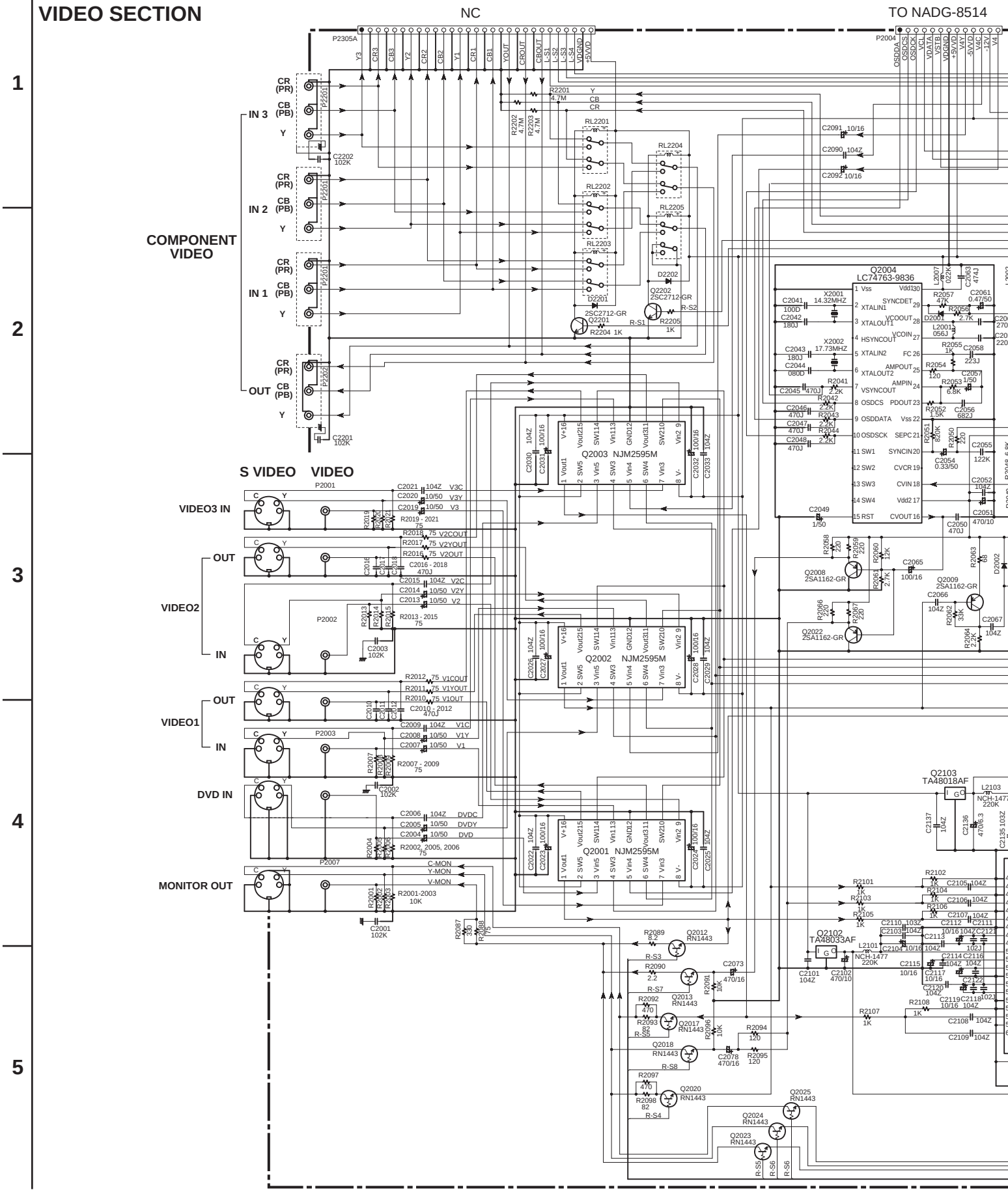
L - AUDIO - R VIDEO S VIDEO

VIDEO 4 INPUT

SETUP MIC

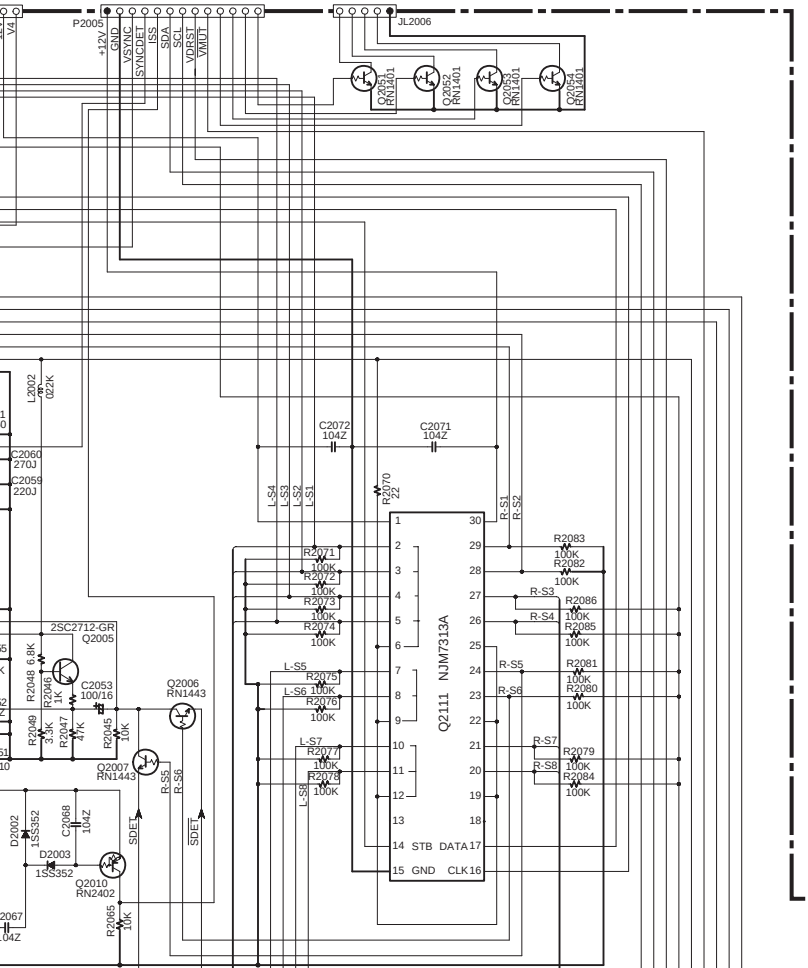
SCHEMATIC DIAGRAMS-8

VIDEO SECTION



E F G H

TO NADG-8514 TO NAETC-8537



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).
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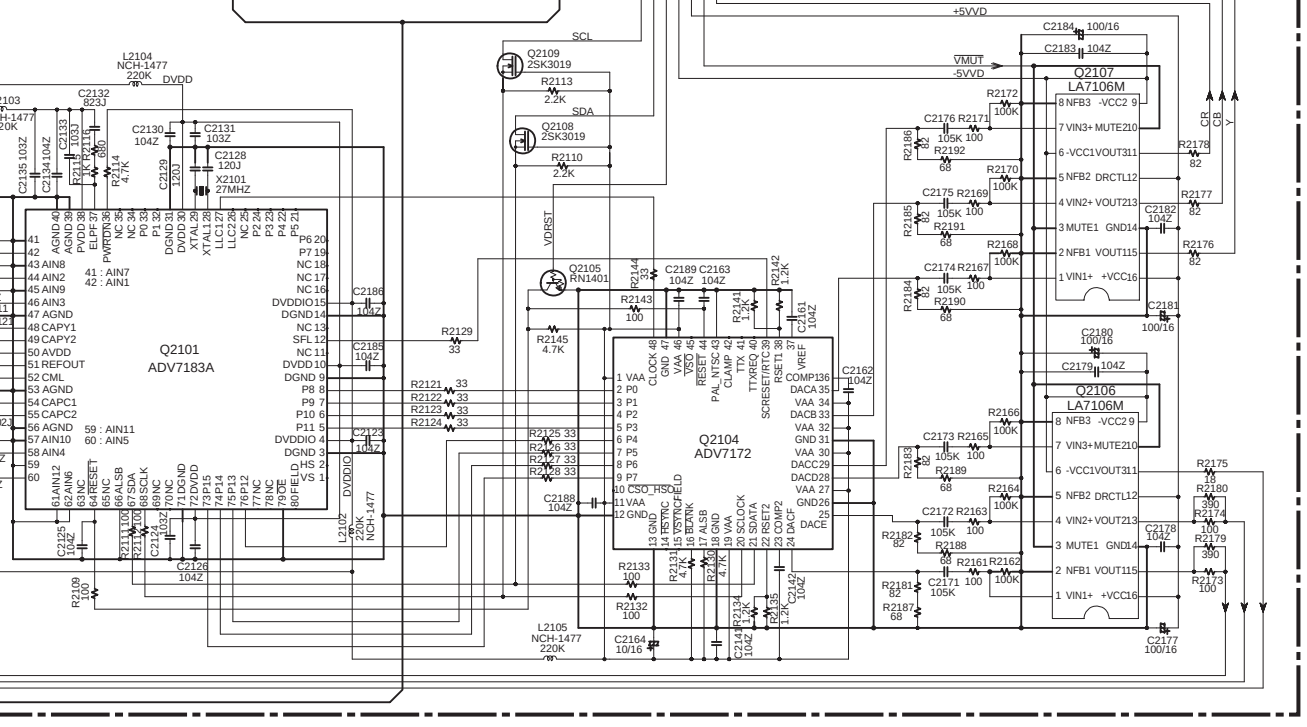
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (⏚) ARE IN uF/WV.
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.
  EX) 030- 3pF 330- 33pF 331- 330pF 333- 0.033uF
- ALL RESISTORS 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>
NC=No mount of parts.

NAVD-8476

U01 VIDEO PC BOARD



SCHEMATIC DIAGRAMS-8

VIDEO SECTION

NAVD-8476

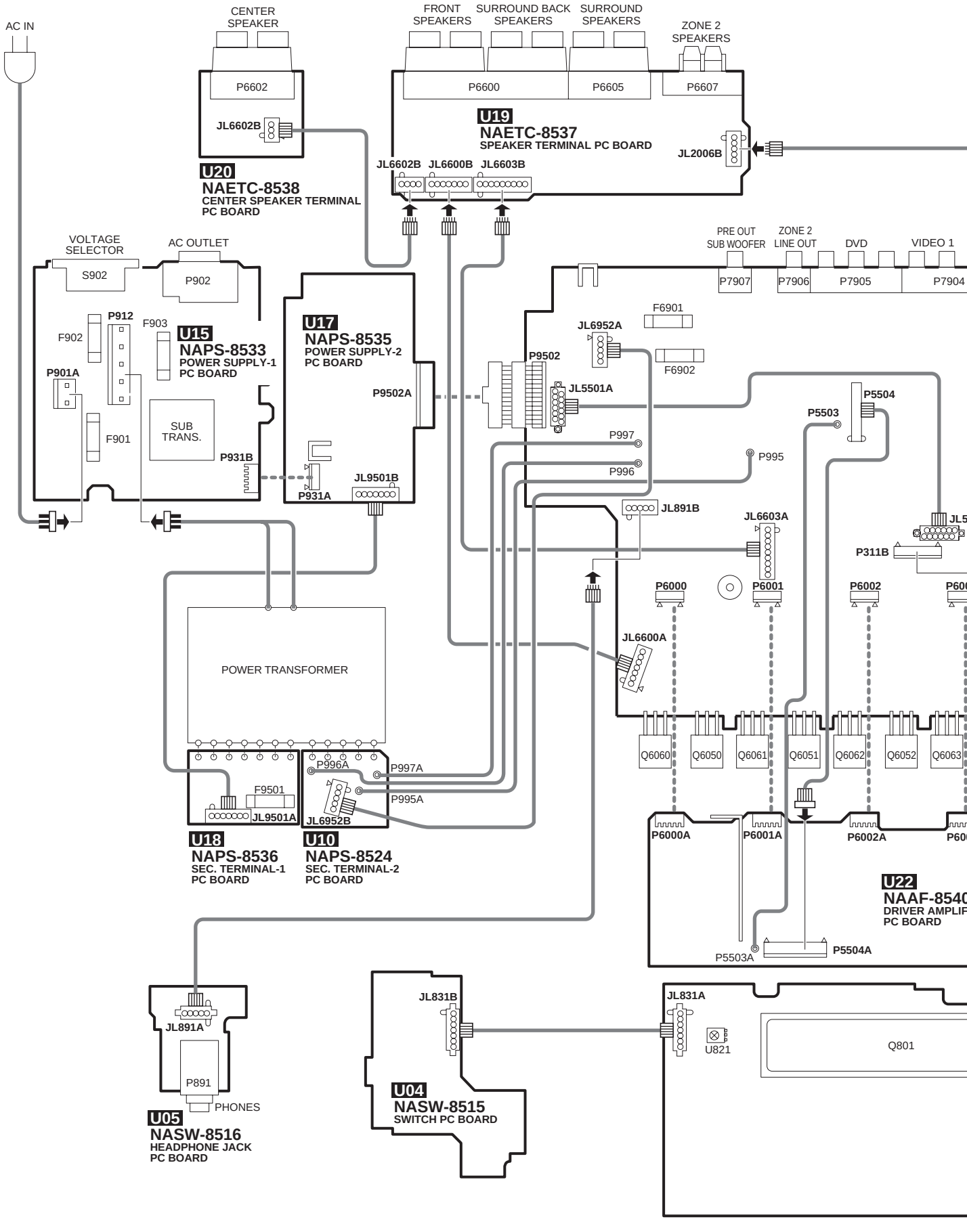
U01 VIDEO PC BOARD

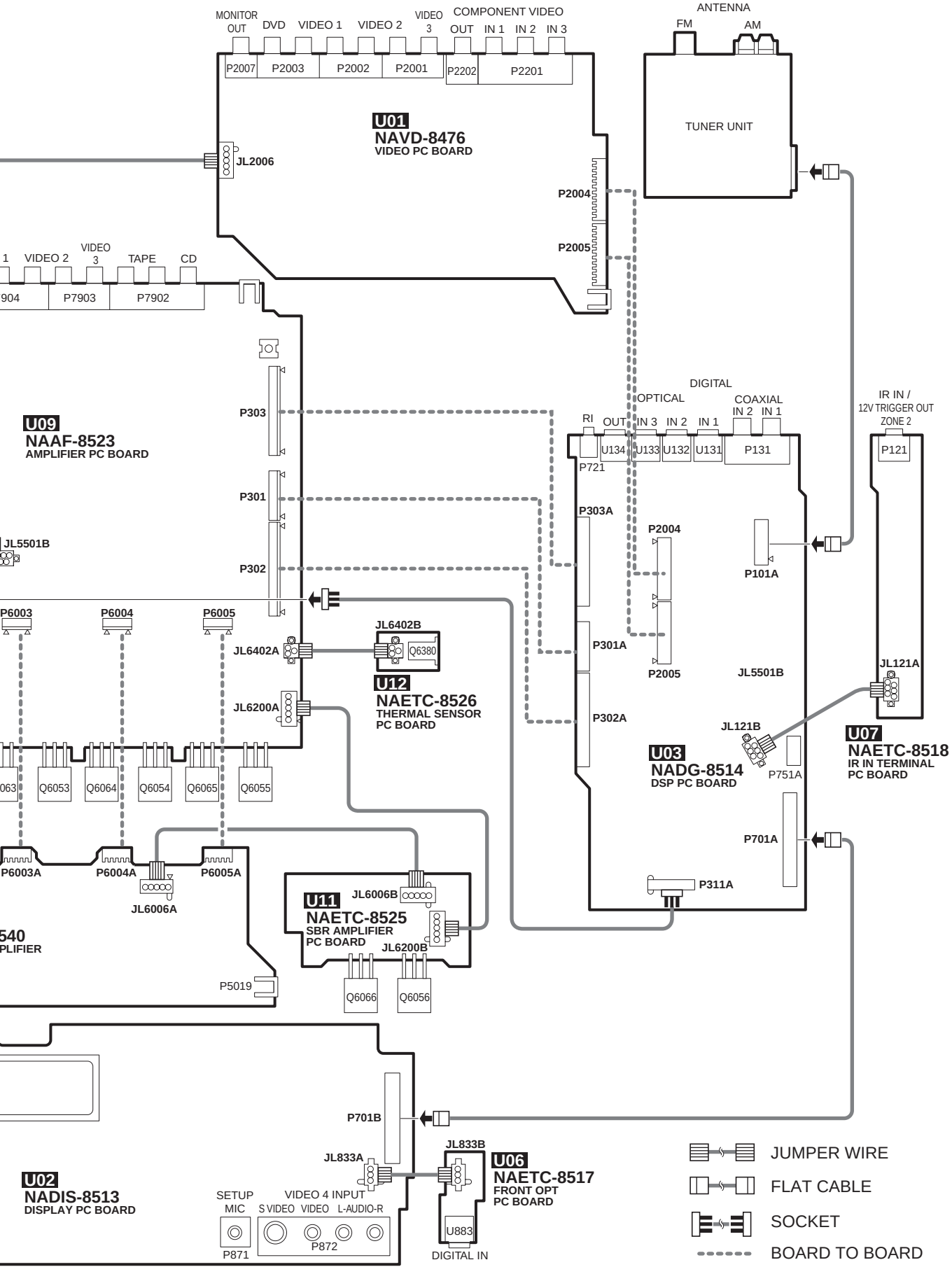
NOTE

- 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.

<Note>
NC=No mount of parts.

PC BOARD CONNECTION DIAGRAM

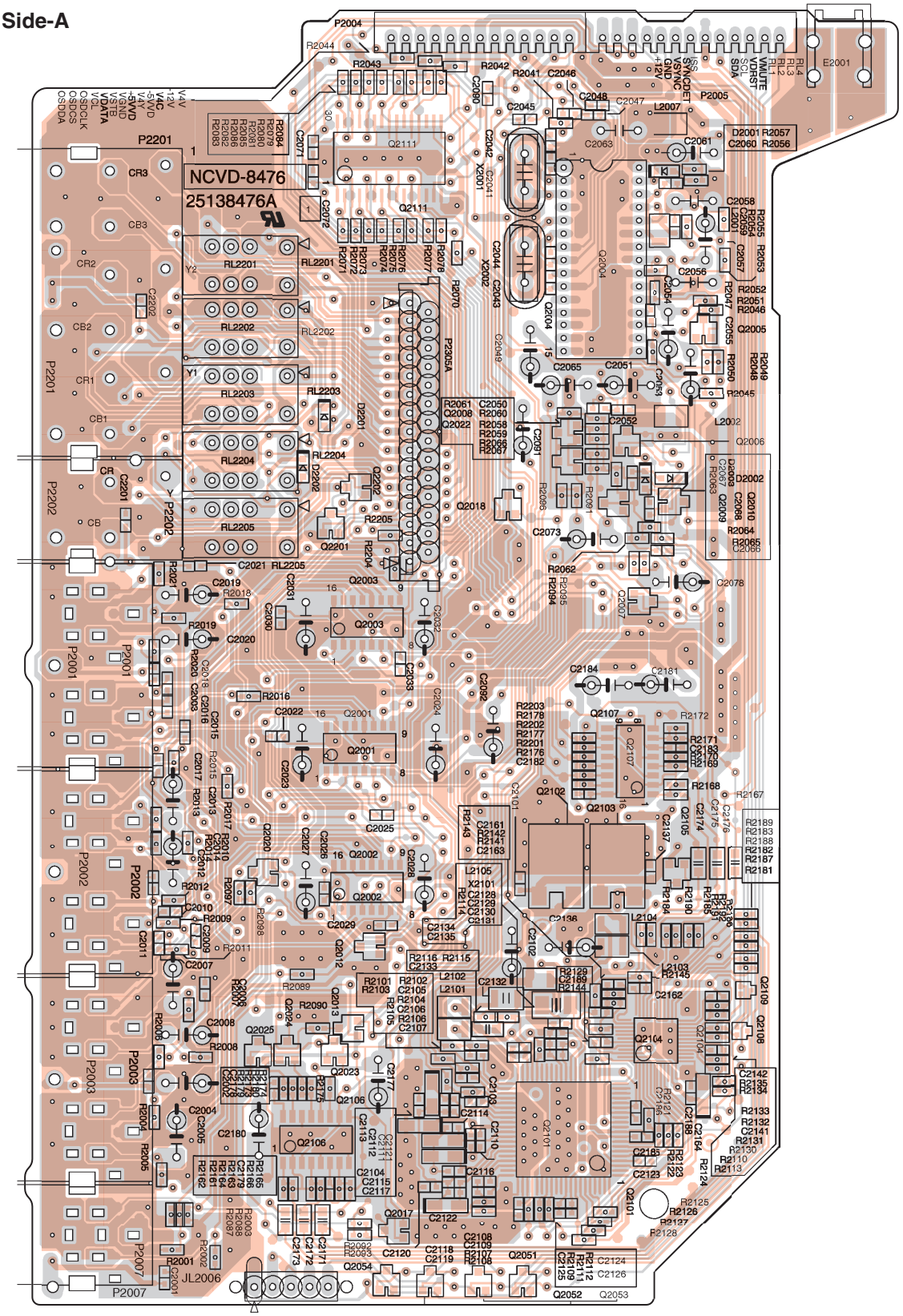



MONITOR OUT
DVD
VIDEO 1
VIDEO 2
VIDEO 3
COMPONENT VIDEO
OUT
IN 1
IN 2
IN 3
P2007
P2003
P2002
P2001
P2202
P2201
U01
NAVD-8476
VIDEO PC BOARD
JL2006
ANTENNA
FM
AM
TUNER UNIT
P2004
P2005
VIDEO 2
VIDEO 3
TAPE
CD
P7903
P7902
U09
NAAF-8523
AMPLIFIER PC BOARD
P303
P301
P302
JL5501B
DIGITAL
OPTICAL
COAXIAL
IN 2
IN 1
RI
OUT
IN 3
IN 2
IN 1
U134
U133
U132
U131
P131
P721
IR IN /
12V TRIGGER OUT
ZONE 2
P121
P303A
P2004
P101A
P301A
P2005
JL5501B
JL121A
P6003
P6004
P6005
JL6402B
JL6402A
Q6380
U12
NAETC-8526
THERMAL SENSOR
PC BOARD
JL6200A
P302A
JL121B
U03
NADG-8514
DSP PC BOARD
P751A
U07
NAETC-8518
IR IN TERMINAL
PC BOARD
Q6053
Q6064
Q6054
Q6065
Q6055
P701A
P6003A
P6004A
P6005A
JL6006A
P311A
U11
NAETC-8525
SBR AMPLIFIER
PC BOARD
JL6006B
JL6200B
P5019
Q6066
Q6056
P701B
JL833A
JL833B
U06
NAETC-8517
FRONT OPT
PC BOARD
U883
DIGITAL IN
U02
NADIS-8513
DISPLAY PC BOARD
SETUP MIC
VIDEO 4 INPUT
S VIDEO
VIDEO
L-AUDIO-R
P871
P872
JUMPER WIRE
FLAT CABLE
SOCKET
BOARD TO BOARD

PRINTED CIRCUIT BOARD VIEWS-1

U01 VIDEO PC BOARD (NAVD-8476)

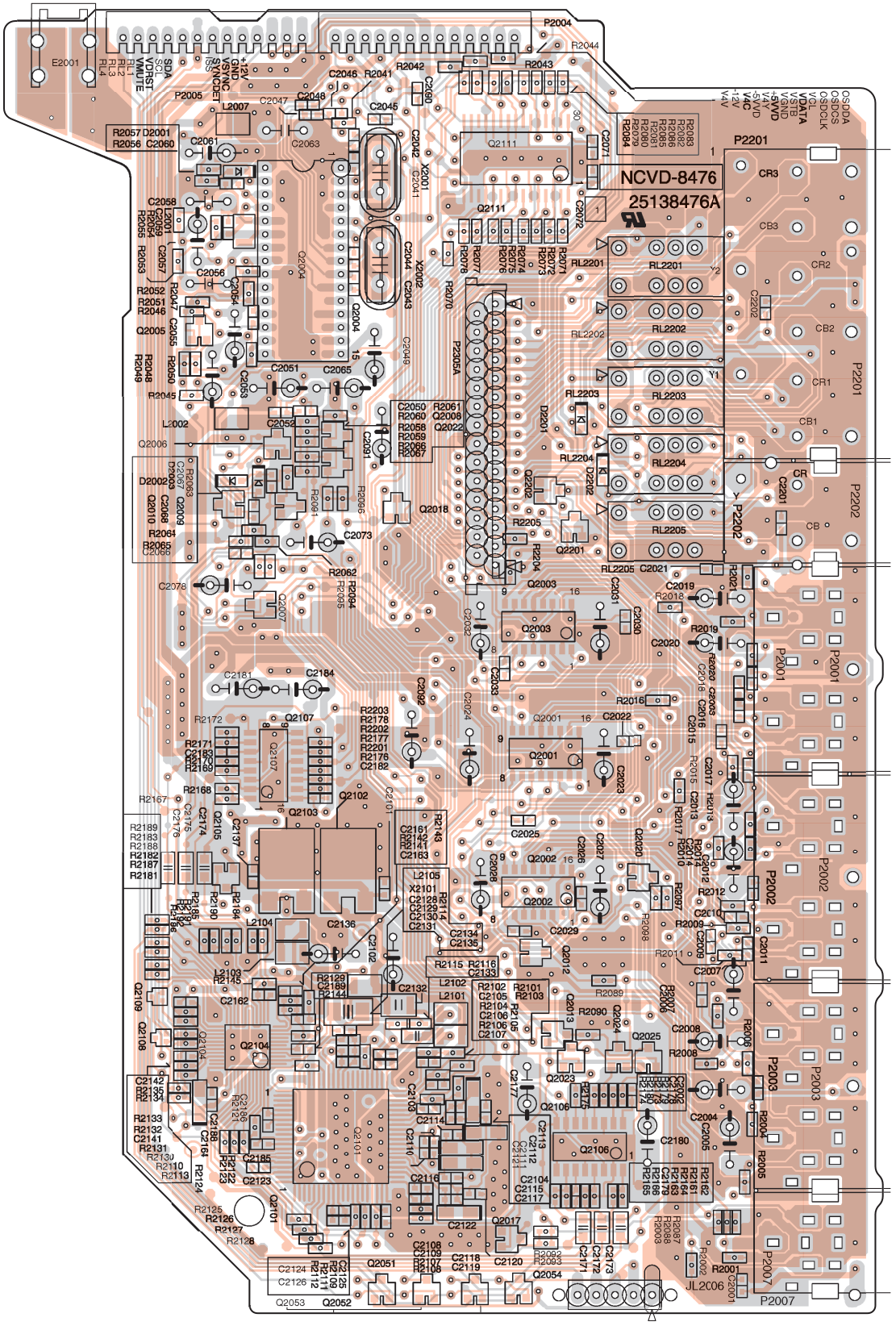
Side-A



PRINTED CIRCUIT BOARD VIEWS-2

U01 VIDEO PC BOARD (NAVD-8476)

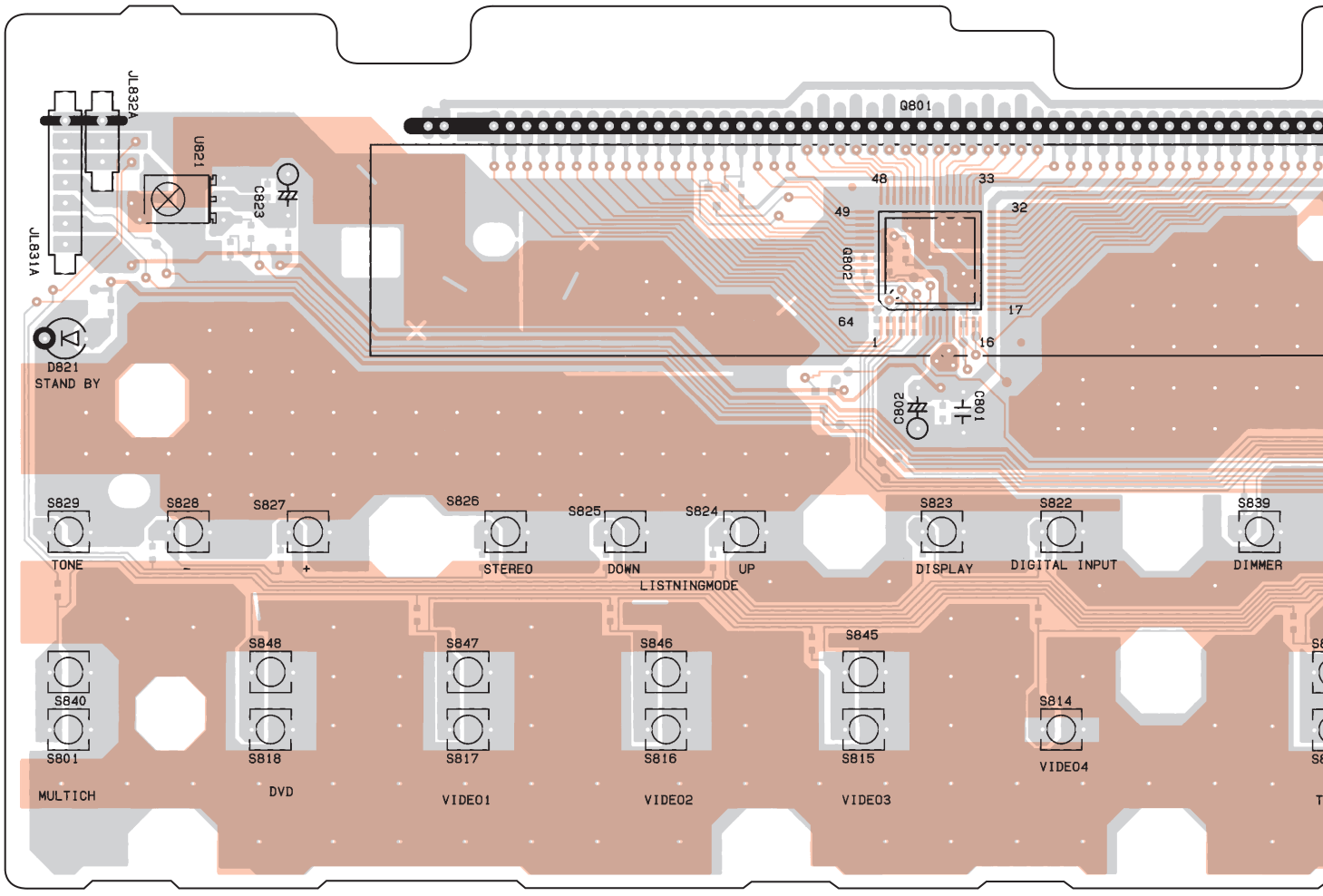
Side-B



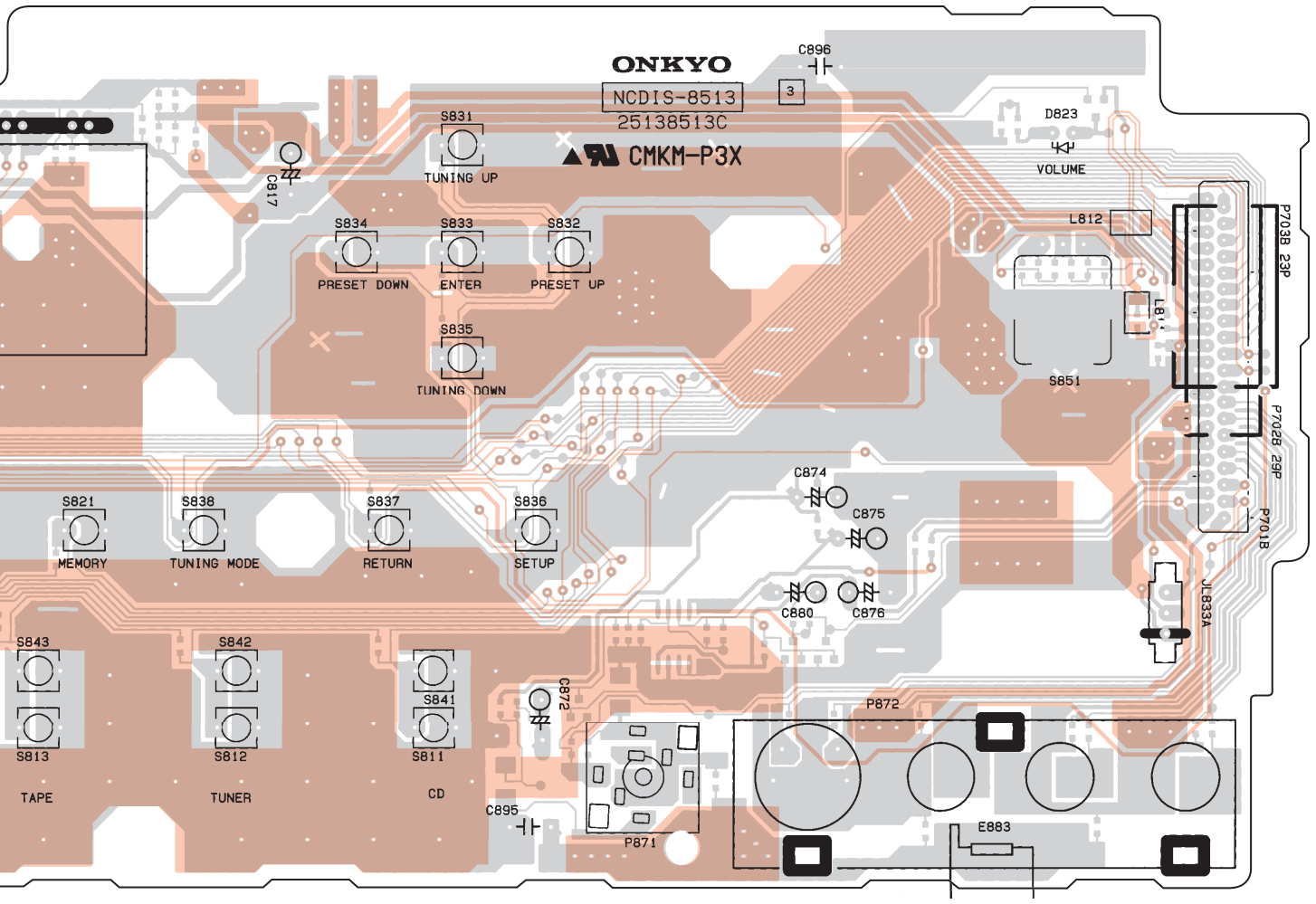
PRINTED CIRCUIT BOARD VIEWS-3

U02 DISPLAY PC BOARD (NADIS-8513)

Side A



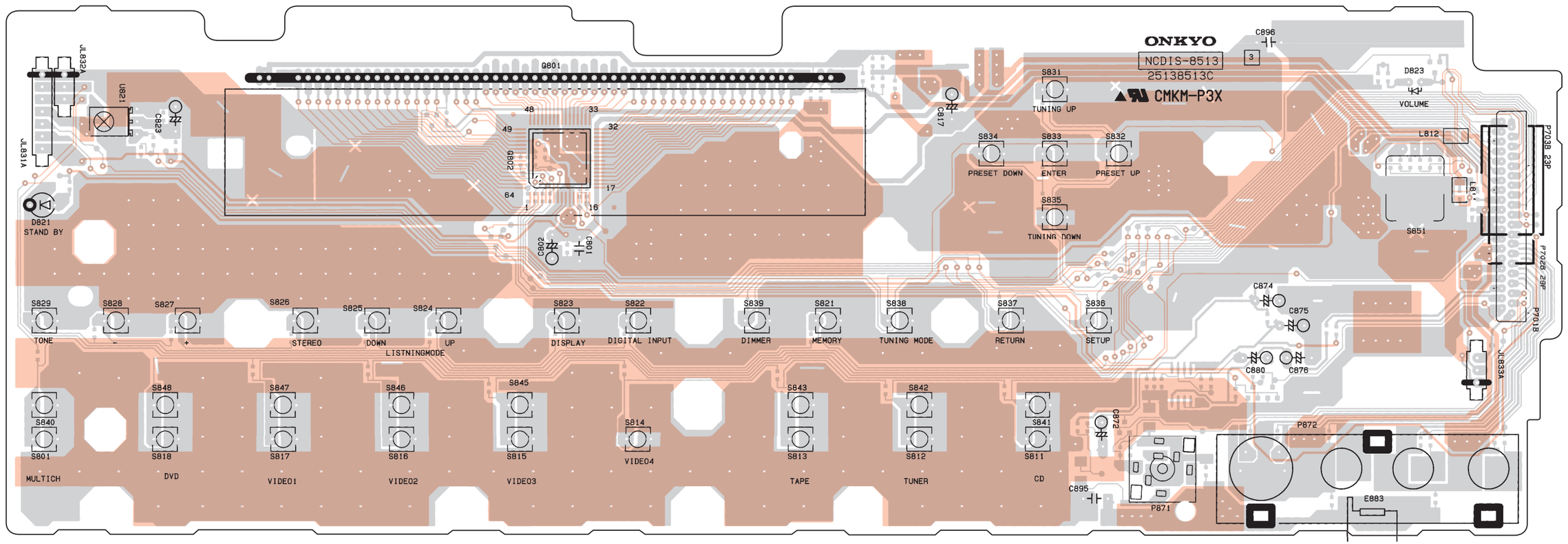
E F G H


ONKYO
NCDIS-8513
25138513C
CMKM-P3X
C896
3
D823
VOLUME
S831
TUNING UP
C817
S834
PRESET DOWN
S833
ENTER
S832
PRESET UP
S835
TUNING DOWN
L812
L811
S851
P703B 23P
P702B 29P
P701B
JL833A
C874
C875
C880
C876
S821
MEMORY
S838
TUNING MODE
S837
RETURN
S836
SETUP
S843
S813
TAPE
S842
S812
TUNER
S841
S811
CD
C872
C895
P871
P872
E883

PRINTED CIRCUIT BOARD VIEWS-3

U02 DISPLAY PC BOARD (NADIS-8513)

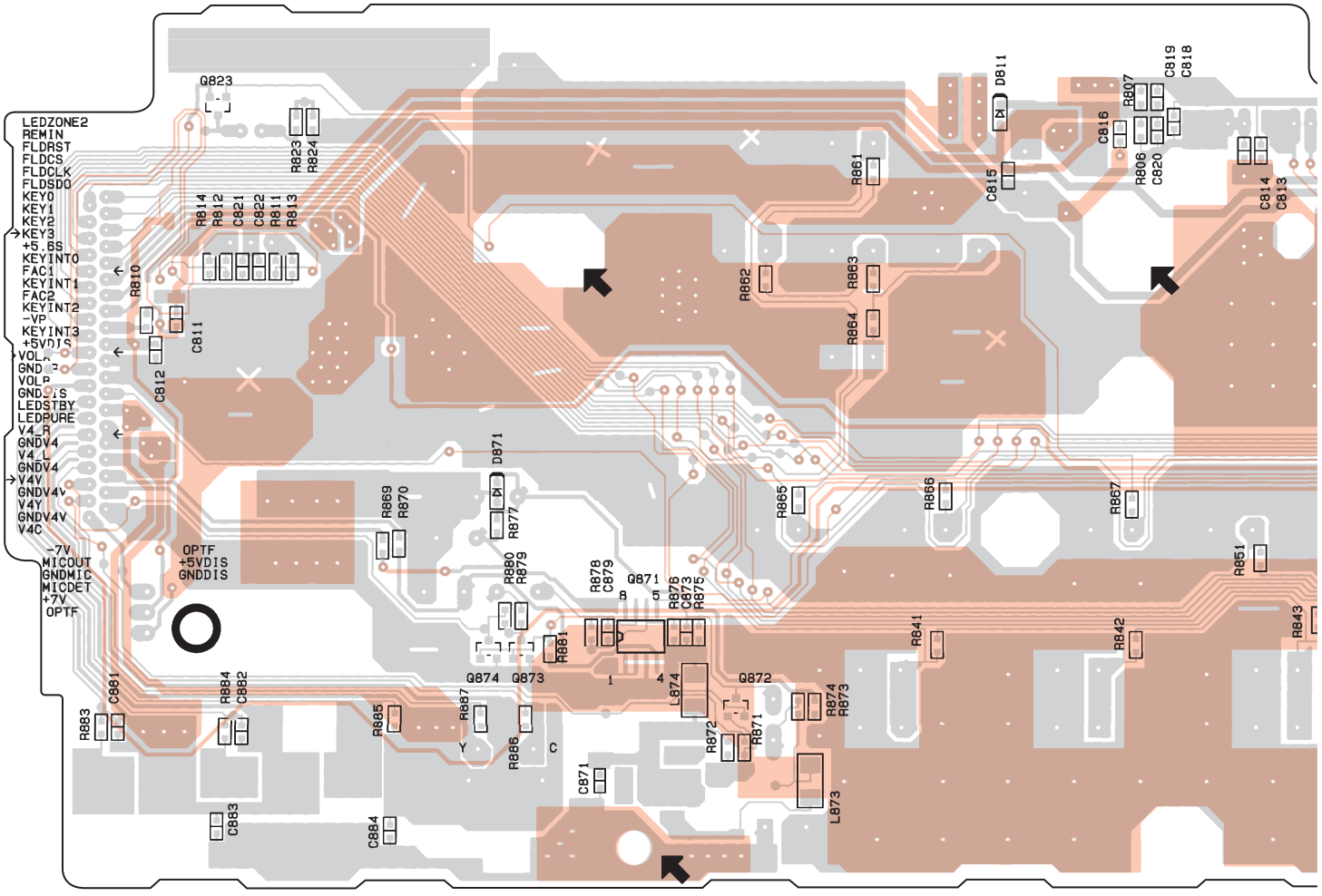
Side A



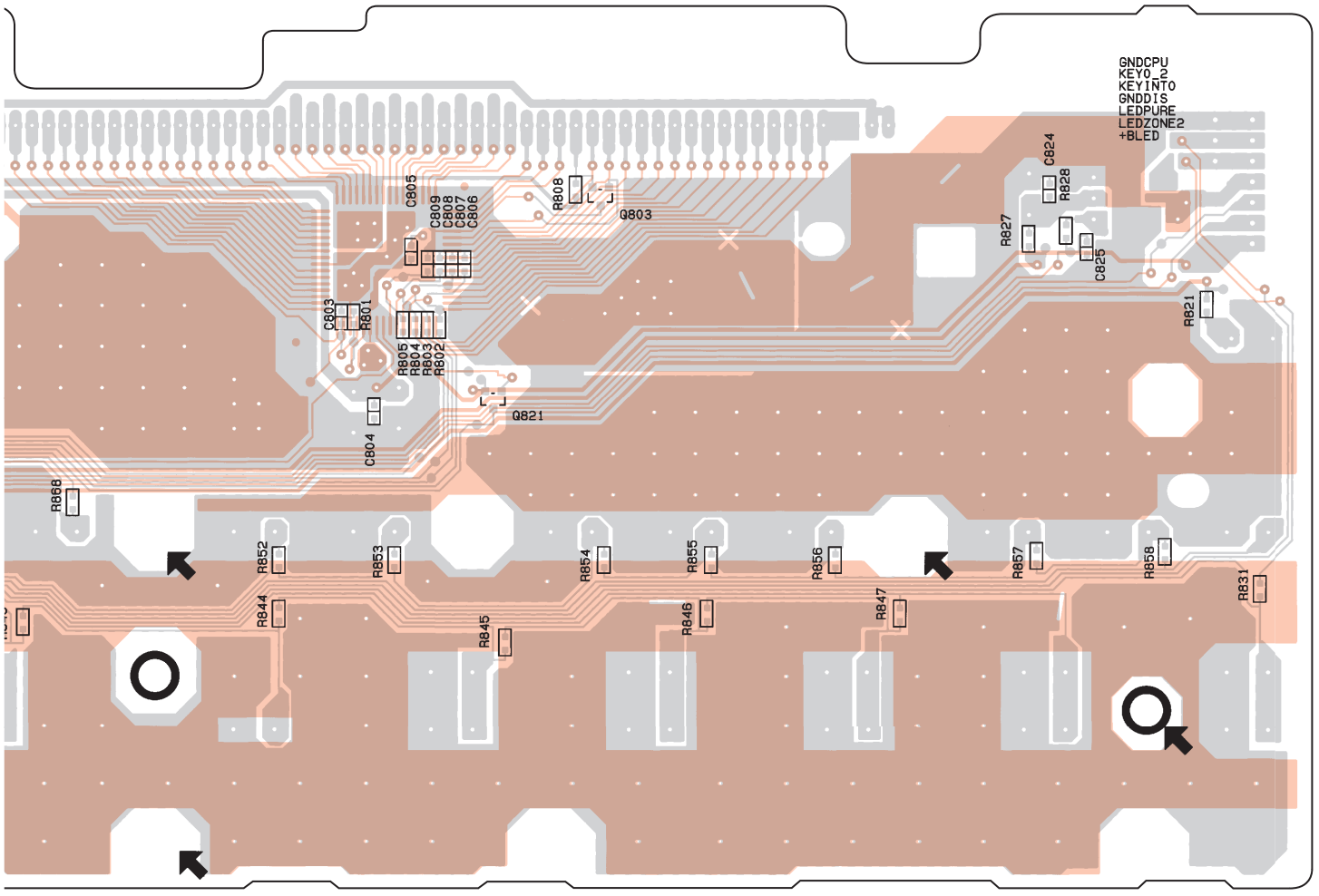
PRINTED CIRCUIT BOARD VIEWS-4

U02 DISPLAY PC BOARD (NADIS-8513)

Side B



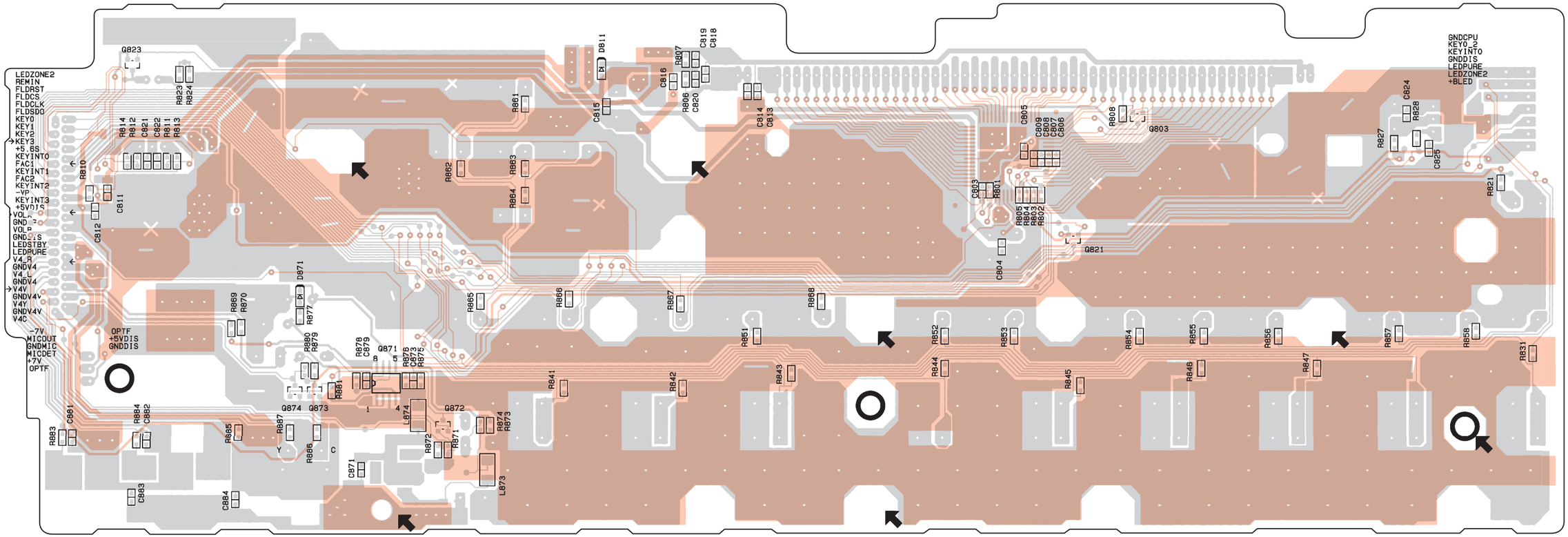
E F G H


GNDCPU
KEY0_2
KEYINT0
GNDDIS
LEDPURE
LEDZONE2
+BLED
C824
R828
R827
C825
R821
C805
C809
C808
C807
C806
R808
Q803
C803
R801
R805
R804
R803
R802
Q821
C804
R868
R852
R853
R854
R855
R856
R857
R858
R831
R844
R845
R846
R847

PRINTED CIRCUIT BOARD VIEWS-4

U02 DISPLAY PC BOARD (NADIS-8513)

Side B



A B C D

PRINTED CIRCUIT BOARD VIEWS-5

1

U03 DSP PC BOARD (NADG-8514)

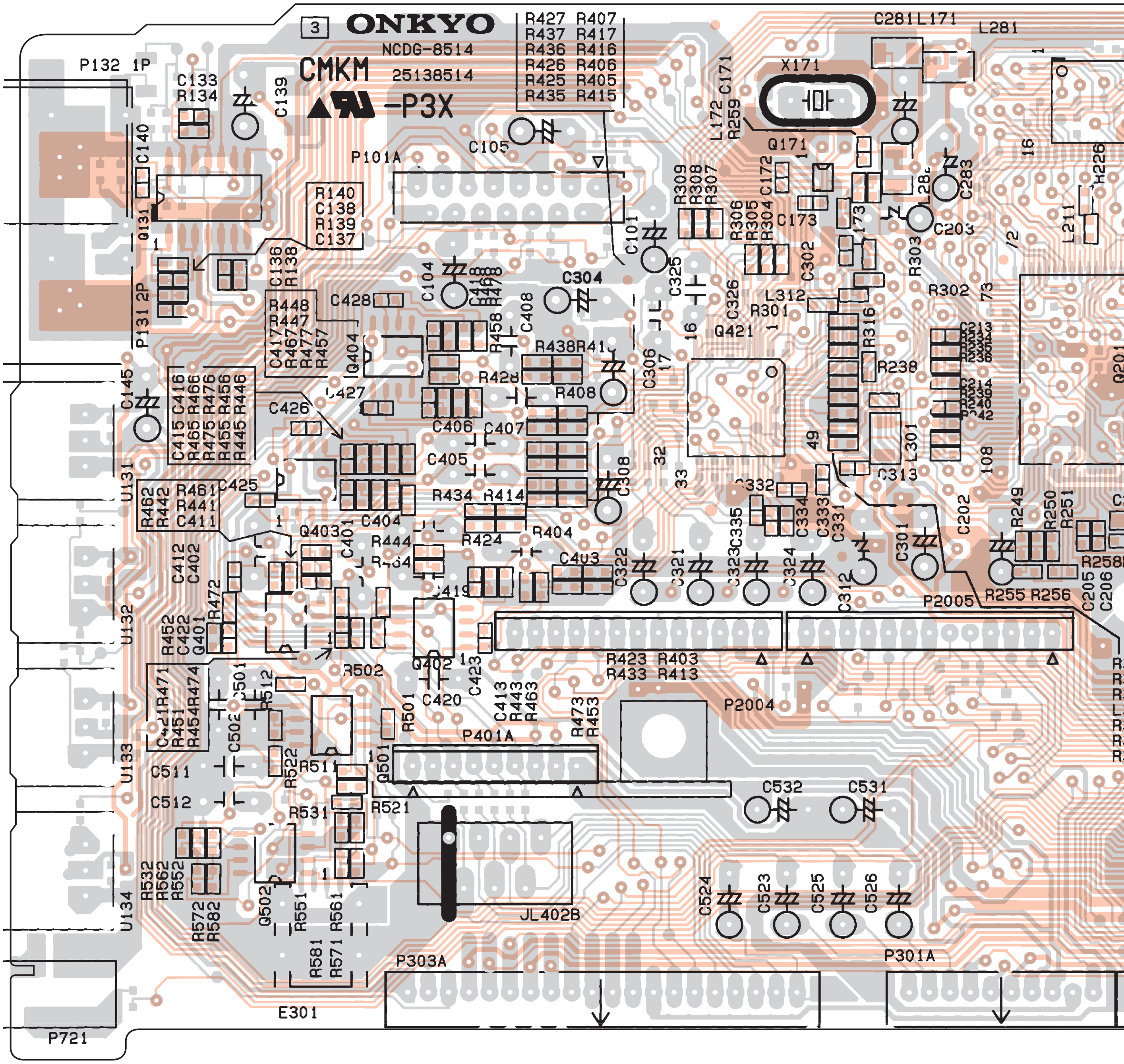
Side A

2

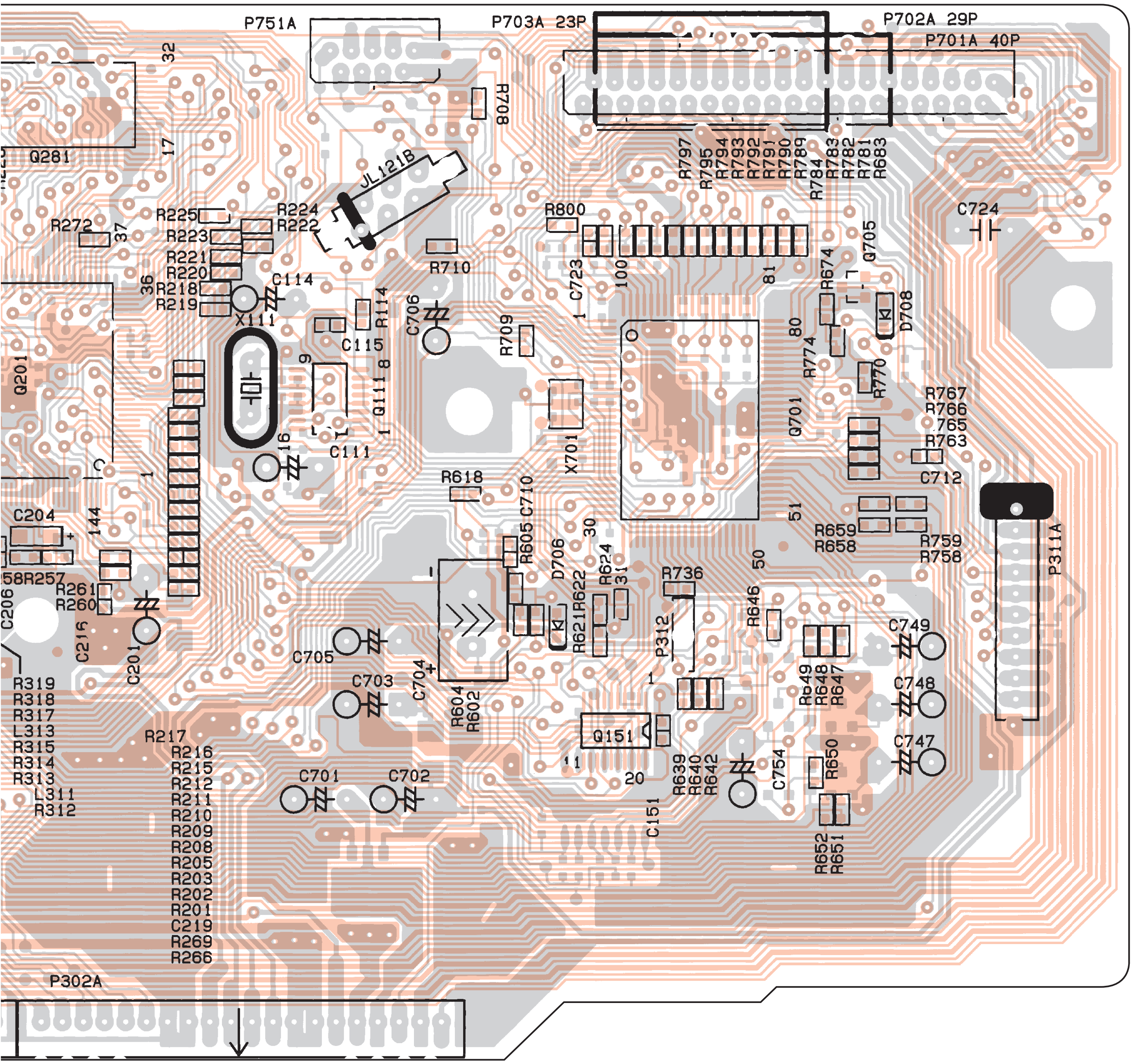
3

4

5



E	F	G	H


P751A
P703A 23P
P702A 29P
P701A 40P
R708
JL121B
Q281
R272
R225
R224
R223
R222
R221
R220
R218
R219
C114
X111
C115
R114
C706
R710
R800
C723
R709
Q111
C111
X701
Q701
Q705
R674
D708
R774
R770
R767
R766
765
R763
C712
C724
R618
C710
R605
D706
R624
R622
R621
R736
P312
R646
R659
R658
R759
R758
P311A
C749
C748
C747
C705
C703
C704
R604
R602
Q151
C151
R639
R640
R642
C754
R650
R652
R651
R649
R648
R647
C701
C702
C204
R257
R261
R260
C206
C216
C201
Q201
R319
R318
R317
L313
R315
R314
R313
L311
R312
R217
R216
R215
R212
R211
R210
R209
R208
R205
R203
R202
R201
C219
R269
R266
P302A
R797
R795
R794
R793
R792
R791
R790
R789
R784
R783
R782
R781
R683

A B C D E F G H

PRINTED CIRCUIT BOARD VIEWS-5

1

U03 DSP PC BOARD
(NADG-8514)

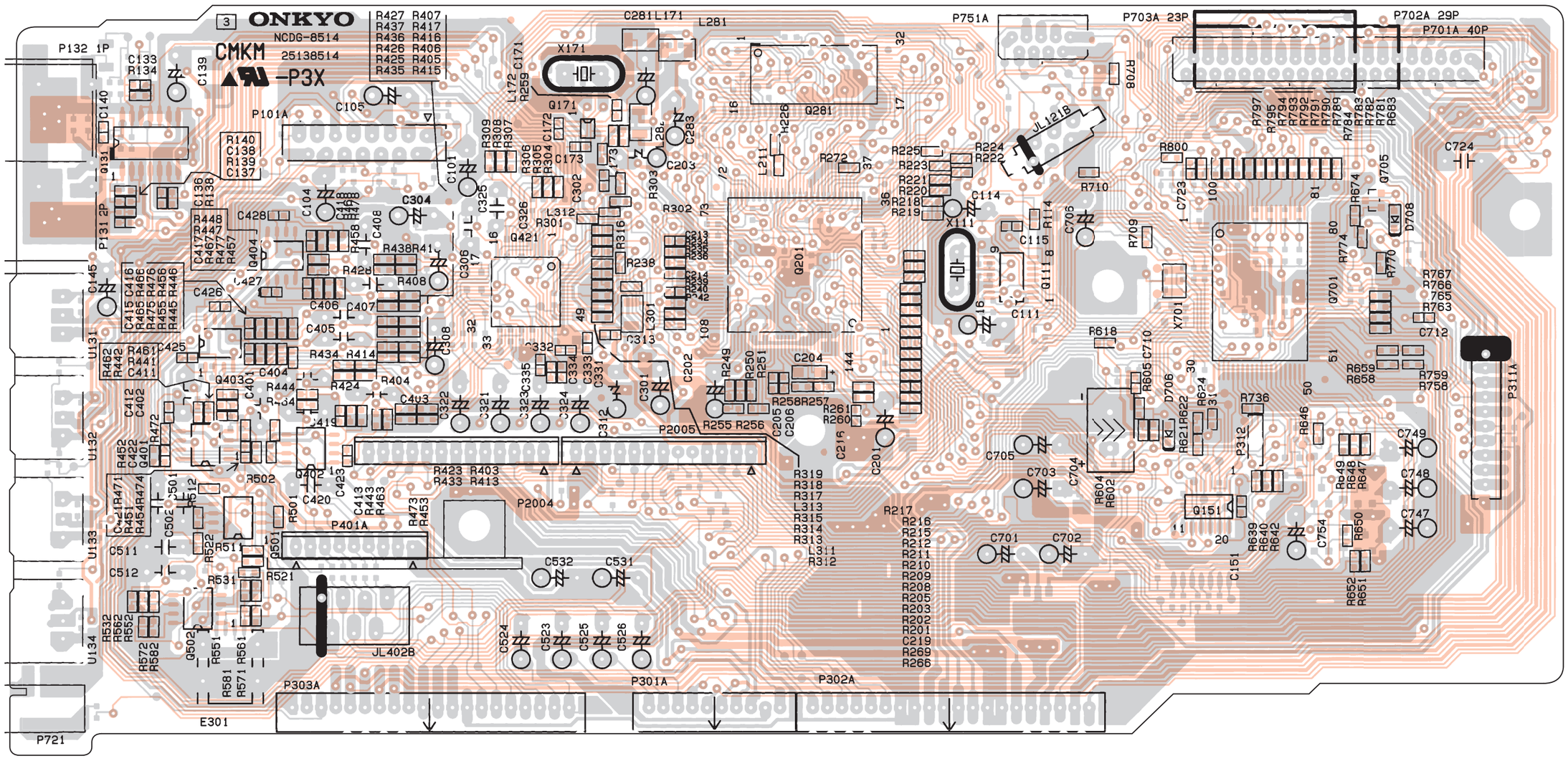
Side A

2

3

4

5

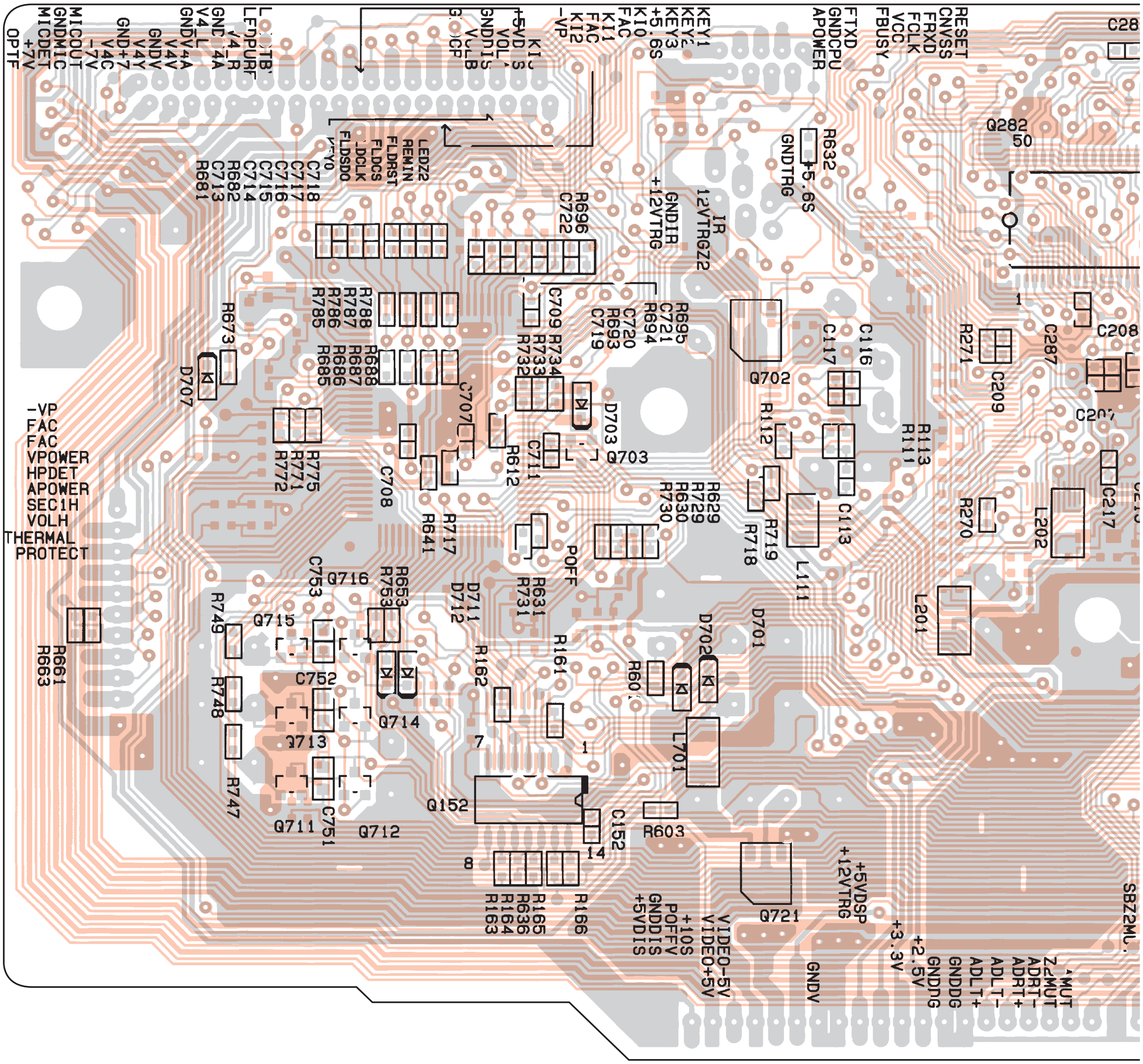


A B C D

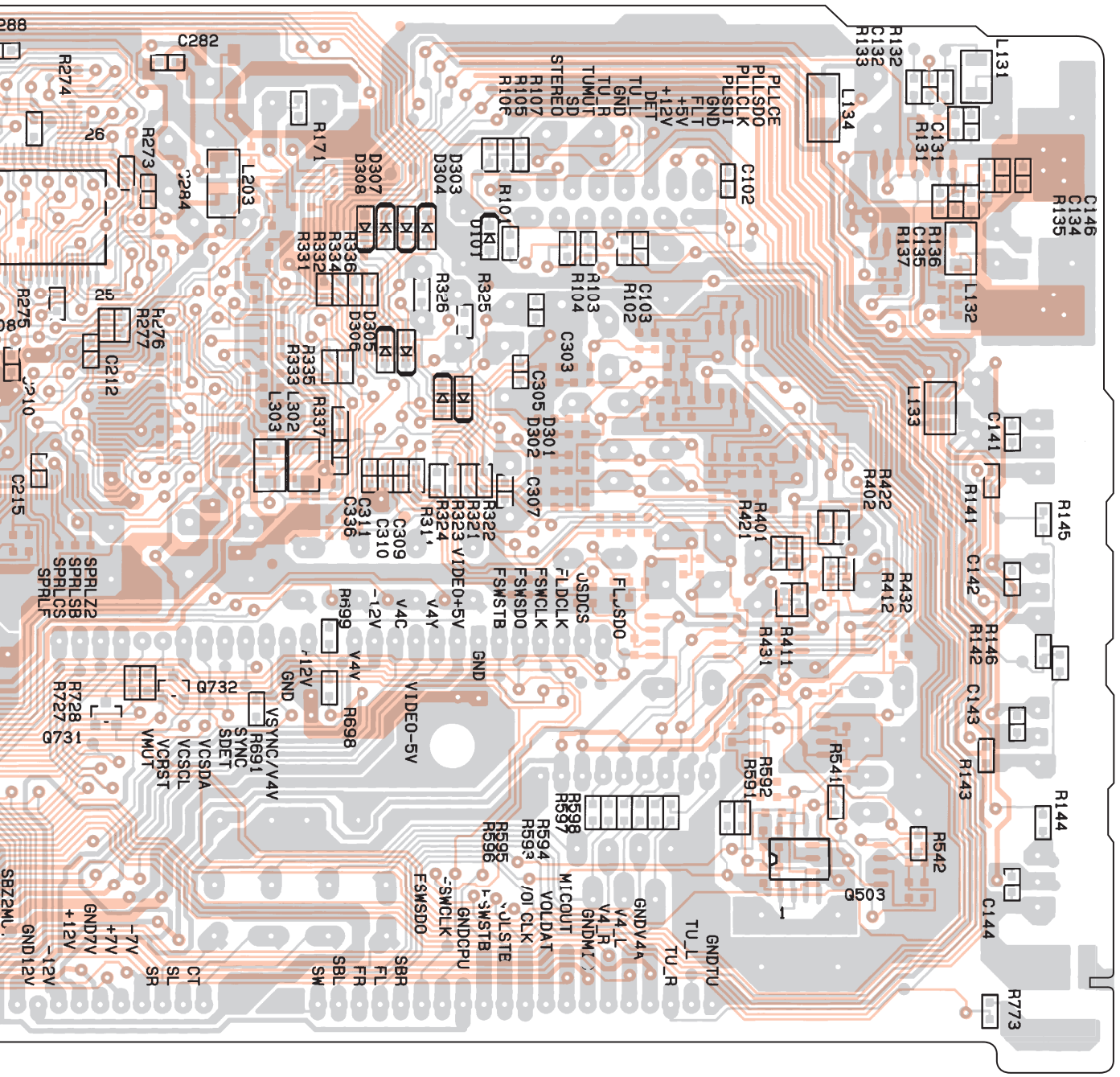
PRINTED CIRCUIT BOARD VIEWS-6

U03 DSP PC BOARD (NADG-8514)

Side B



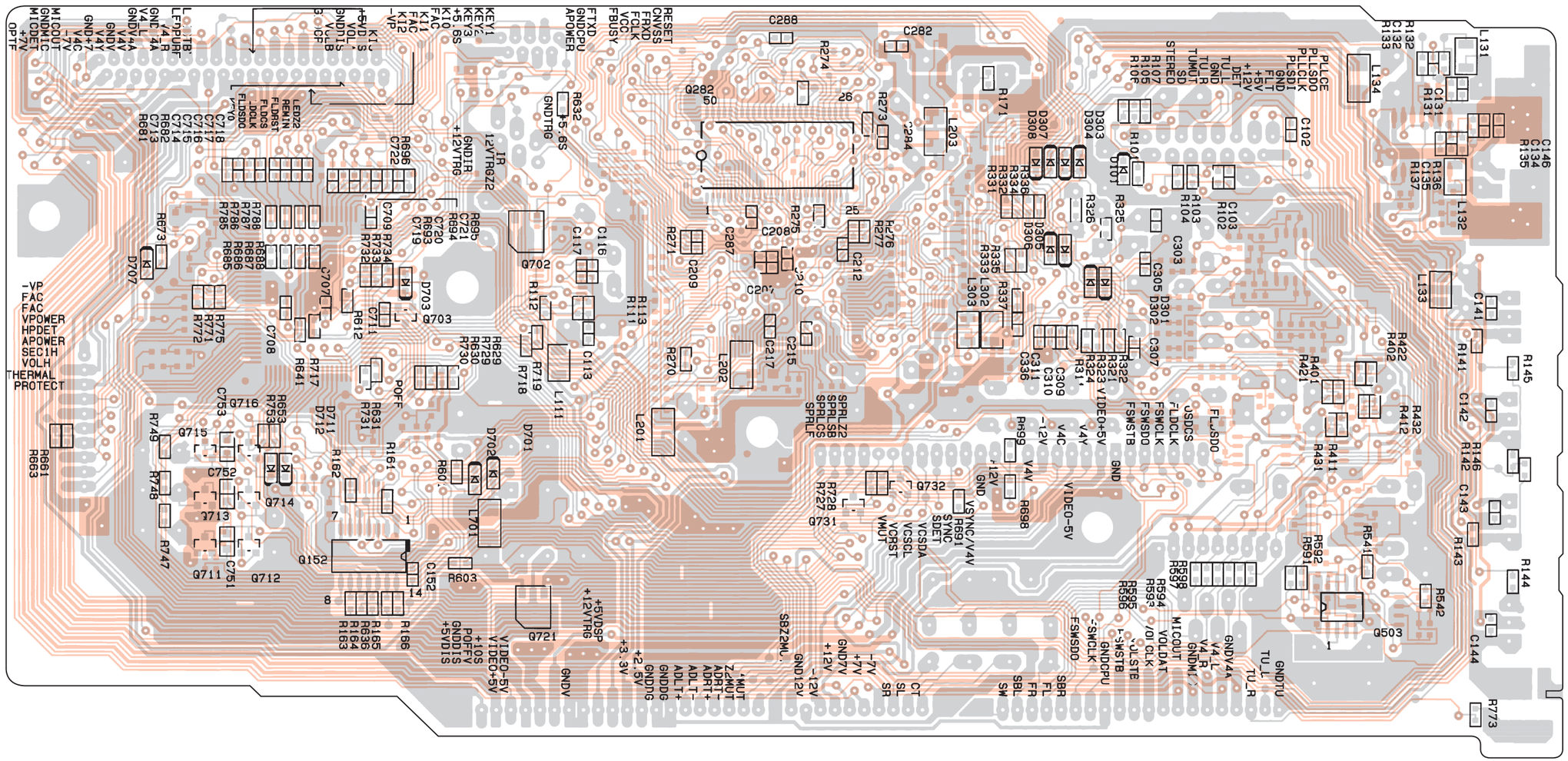
E F G H


C146
C134
R135
L131
R132
C132
R133
C131
R131
L134
R136
C135
R137
L132
C141
R141
C142
R145
R146
R142
C143
R143
R144
C144
R773
L133
R422
R402
R401
R421
R432
R412
R411
R431
R541
R542
Q503
R592
R591
R598
R597
R594
R593
R595
R596
C102
C103
R102
R103
R104
C303
C305
D301
D302
C307
R322
R321
R323
R324
C309
C310
C311
C336
R336
R334
R332
R331
D303
D304
D307
D308
D305
D306
R335
R333
L302
L303
R337
R325
R326
R171
L203
C282
R274
R273
C284
R276
R277
C212
C210
C215
R275
PLLCE
PLLSDO
PLLCLK
PLSDI
GND
FLT
+5V
+12V
DET
TU_L
GND
TU_R
TUMUT
SD
STEREO
R107
R105
R10F
R10
TUNER
VIDEO+5V
V4Y
V4C
-12V
R699
V4V
+12V
GND
VIDEO-5V
FLDCLK
FSWCLK
FSWSDO
FSWSTB
GND
FLSDO
JSDCS
VSYNC/V4V
R691
SYNC
SDET
VCSDA
VCSCL
VCRST
VMUT
Q732
R728
R727
Q731
SPRLZ2
SPRLSB
SPRLCS
SPRLF
GNDCPU
-SWCLK
FSWSDO
-SWSTB
JCLSTE
I/O CLK
MICOUT
VOLDAT
GNDMIC
V4_R
V4_L
GNDV4R
GNDTU
TU_L
TU_R
CT
SL
SR
SBR
FL
FR
SBL
SW
-7V
+7V
GND7V
+12V
-12V
GND12V
SBZ2MC

PRINTED CIRCUIT BOARD VIEWS-6

U03 **DSP PC BOARD**
(NADG-8514)

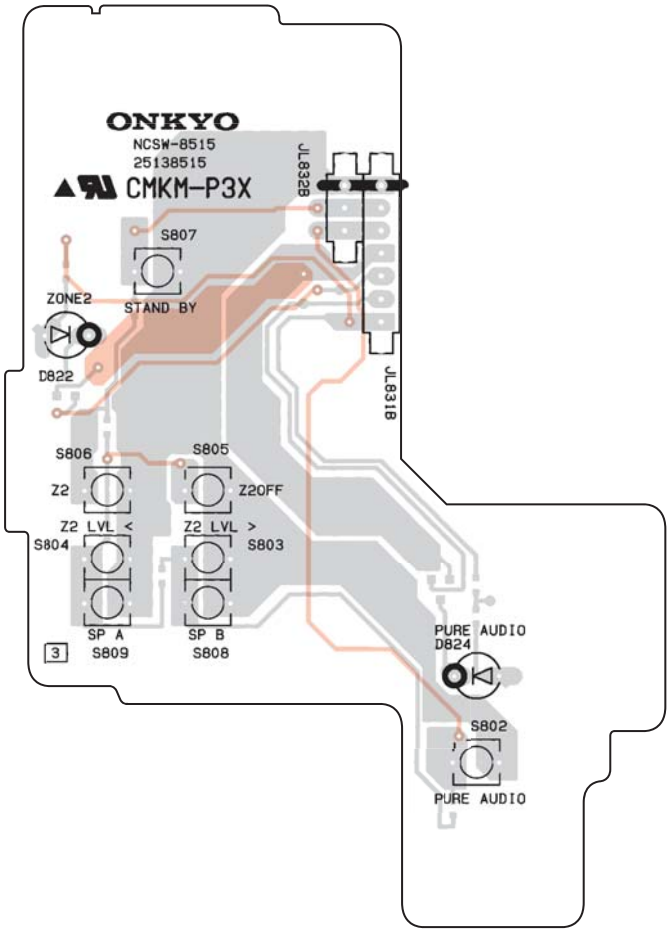
Side B



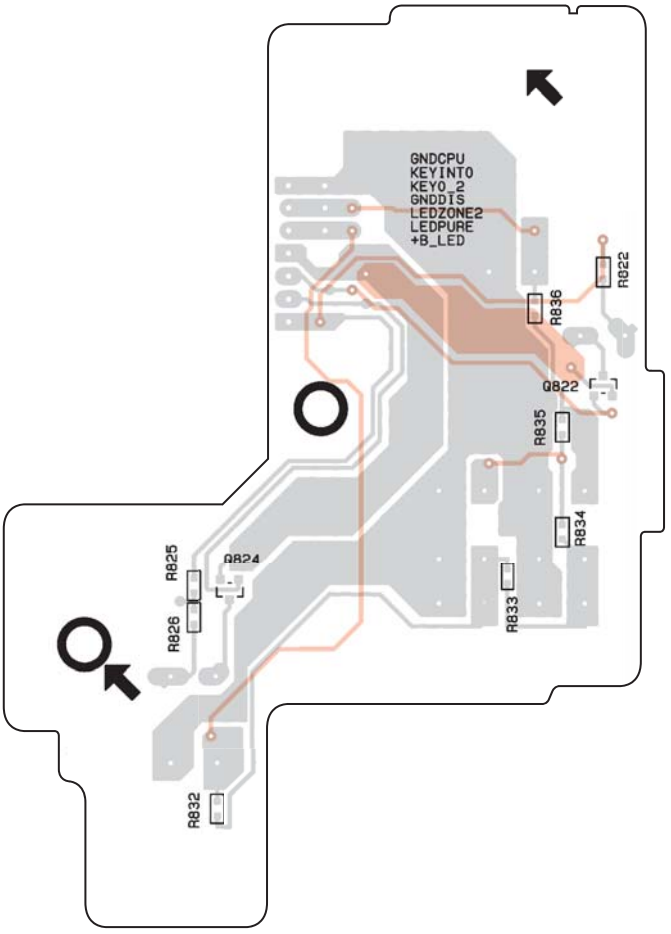
PRINTED CIRCUIT BOARD VIEWS-7

U04 SWITCH PC BOARD (NASW-8515)

Side A

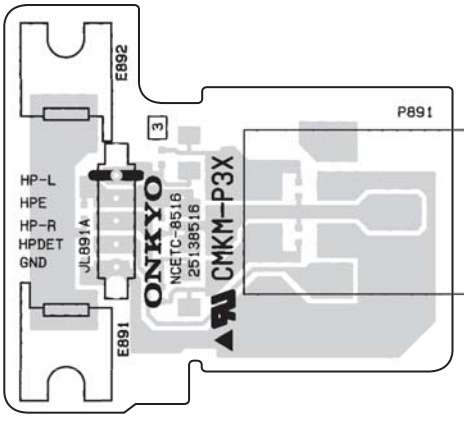


Side B

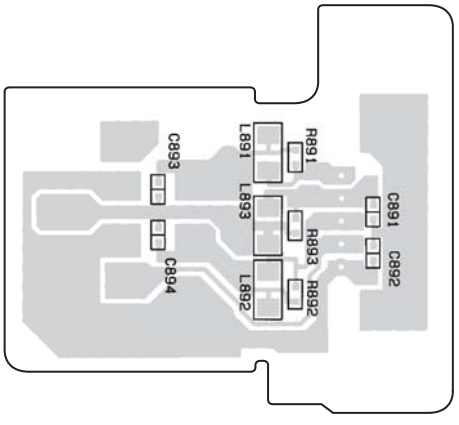


U05 HEADPHONE JACK PC BOARD (NAETC-8516)

Side A



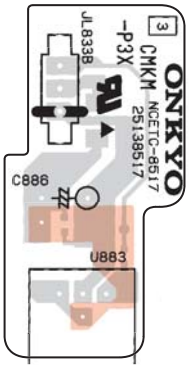
Side B



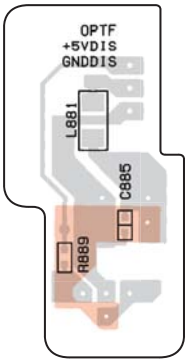
PRINTED CIRCUIT BOARD VIEWS-8

U06 FRONT OPT PC BOARD (NAETC-8517)

Side-A

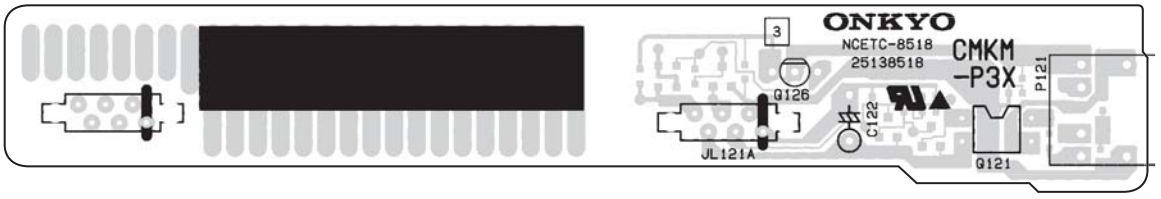


Side-B

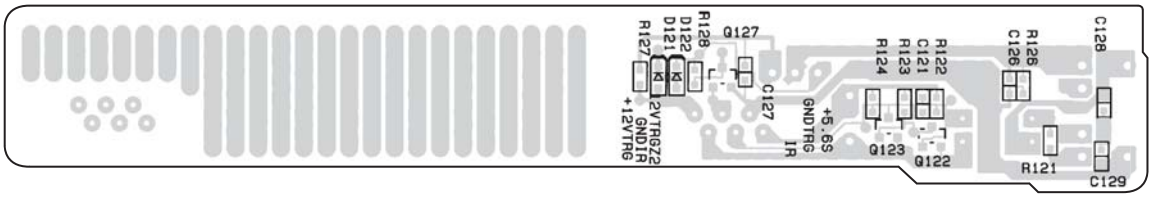


U07 IR IN TERMINAL PC BOARD (NAETC-8518)

Side-A



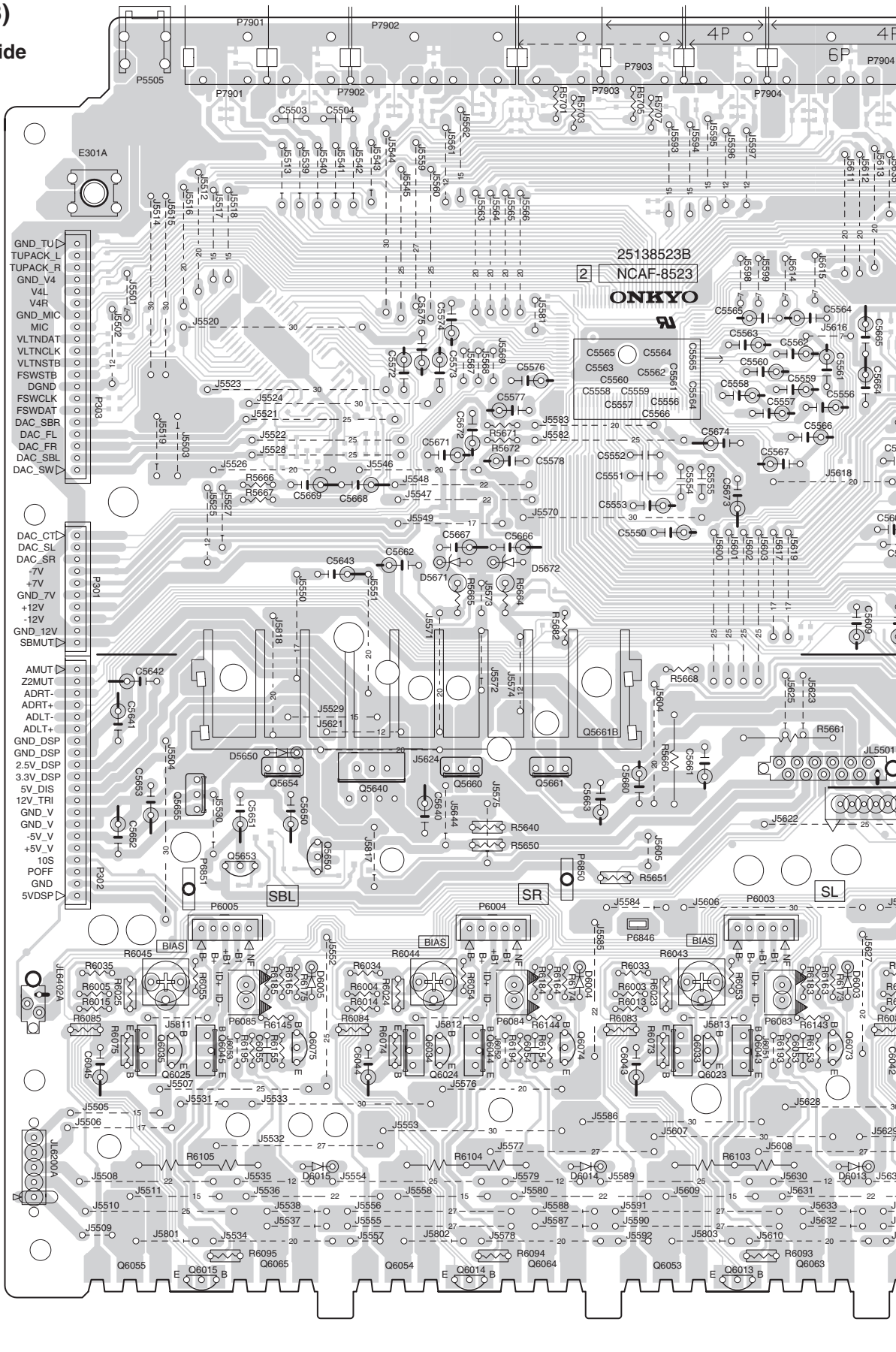
Side-B



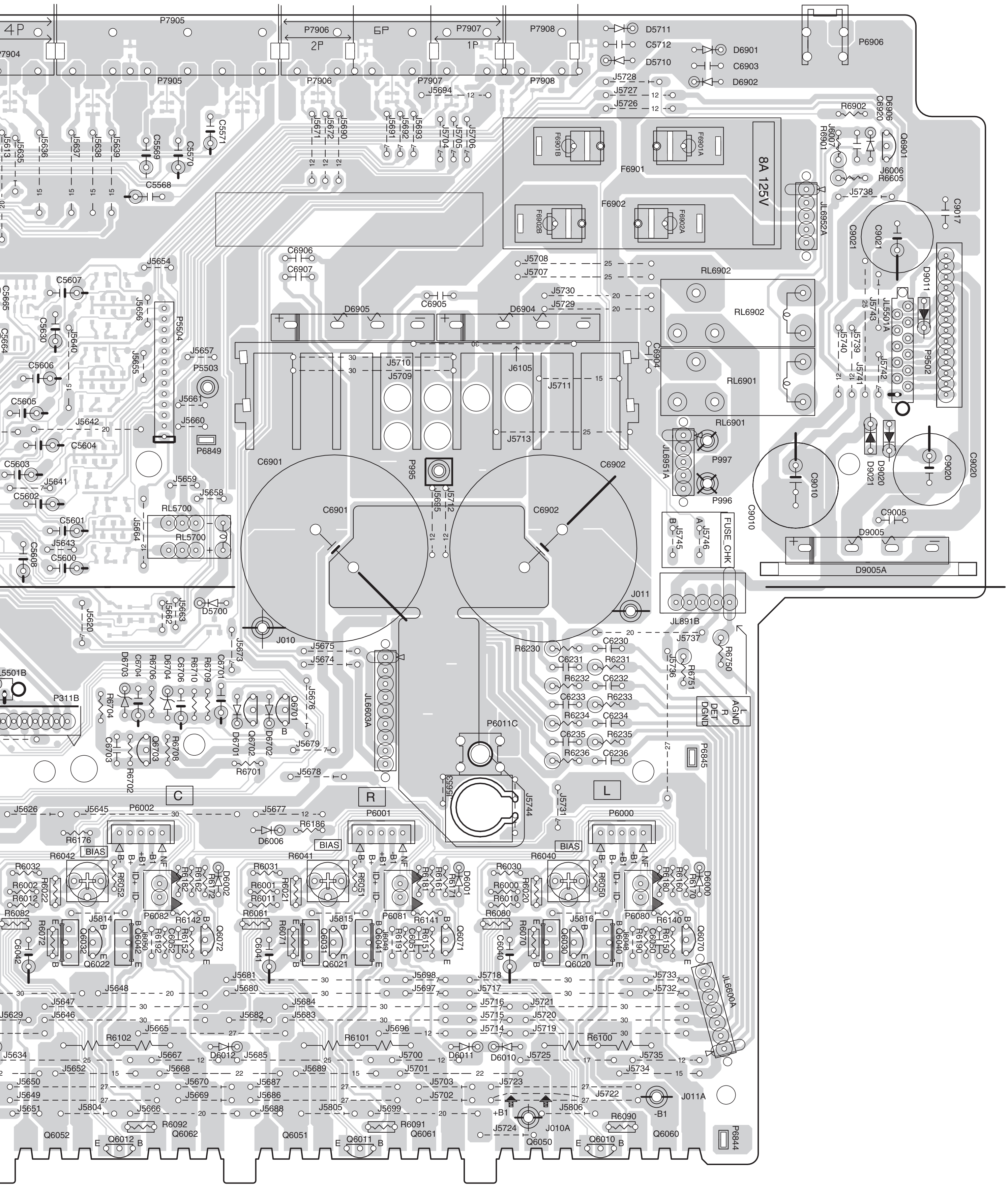
PRINTED CIRCUIT BOARD VIEWS-9

U09 AMPLIFIER PC BOARD (NAAF-8523)

Component side



E F G H

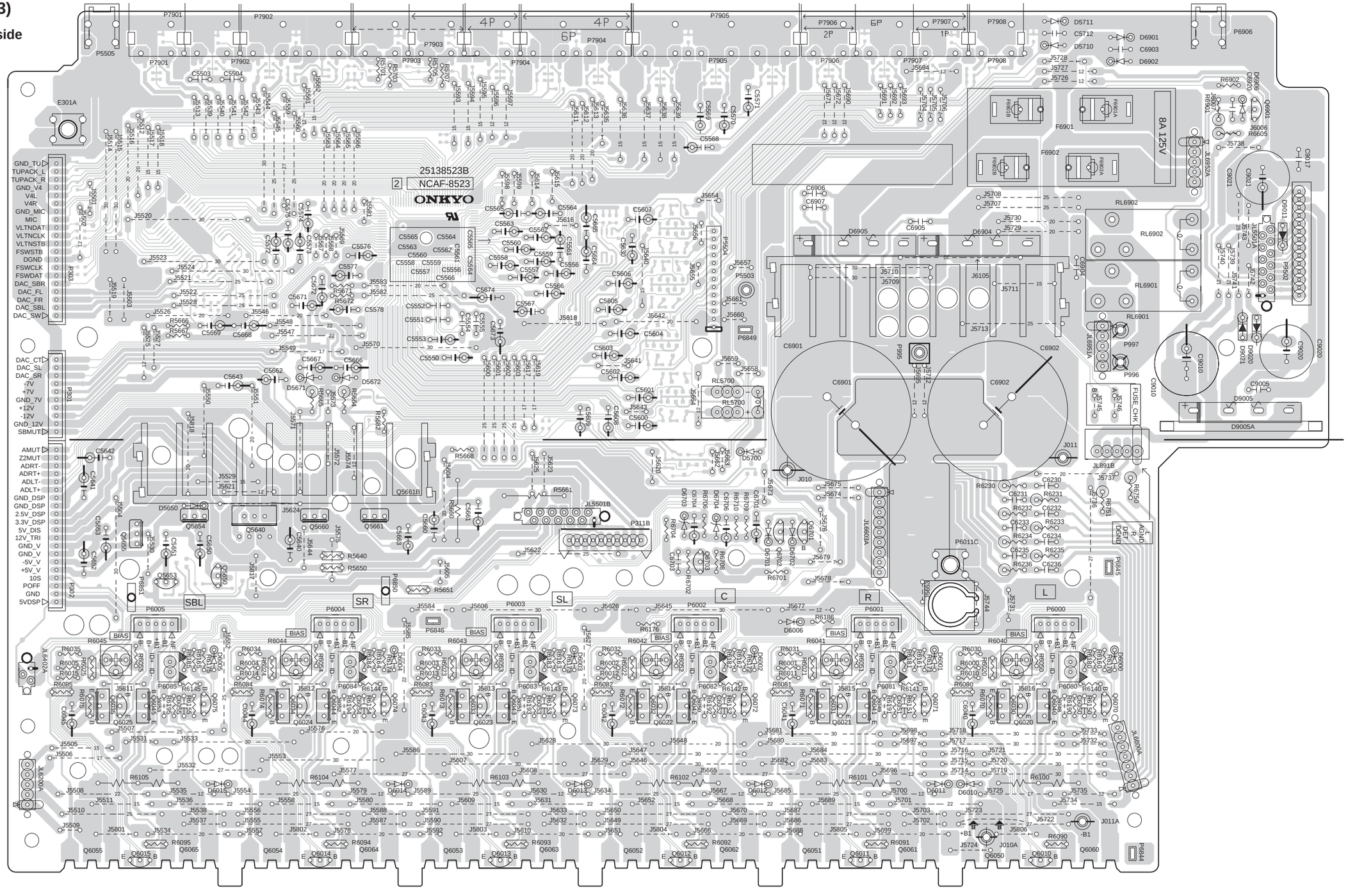


P7905
P7906
P7907
P7908
D5711
C5712
D5710
D6901
C6903
D6902
P6906
F6901
F6902
8A 125V
JL6952A
RL6902
RL6901
P9502
C9021
C9020
C9010
D9005
D9005A
FUSE_CHK
JL891B
C6901
C6902
P995
P996
P997
JL6951A
D6905
D6904
C6905
C6906
C6907
P5504
P5503
RL5700
J010
J011
JL6603A
P6011C
P6002
P6001
P6000
BIAS
C
R
L
AGND
R
DET
DGND
P6845
JL6600A
J010A
J011A
P6844
Q6052
Q6062
Q6051
Q6061
Q6060

PRINTED CIRCUIT BOARD VIEWS-9

U09 AMPLIFIER PC BOARD (NAAF-8523)

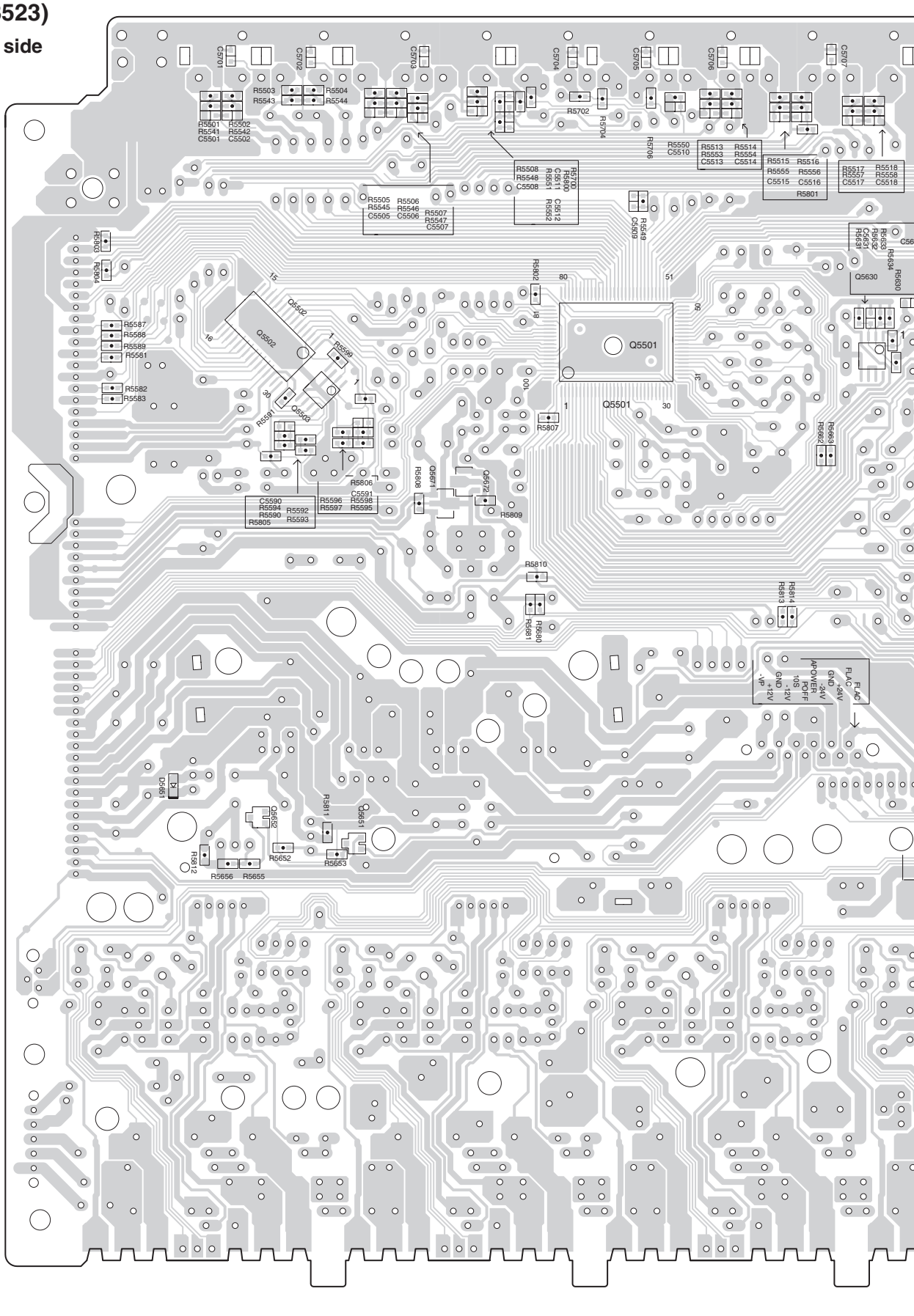
Component side



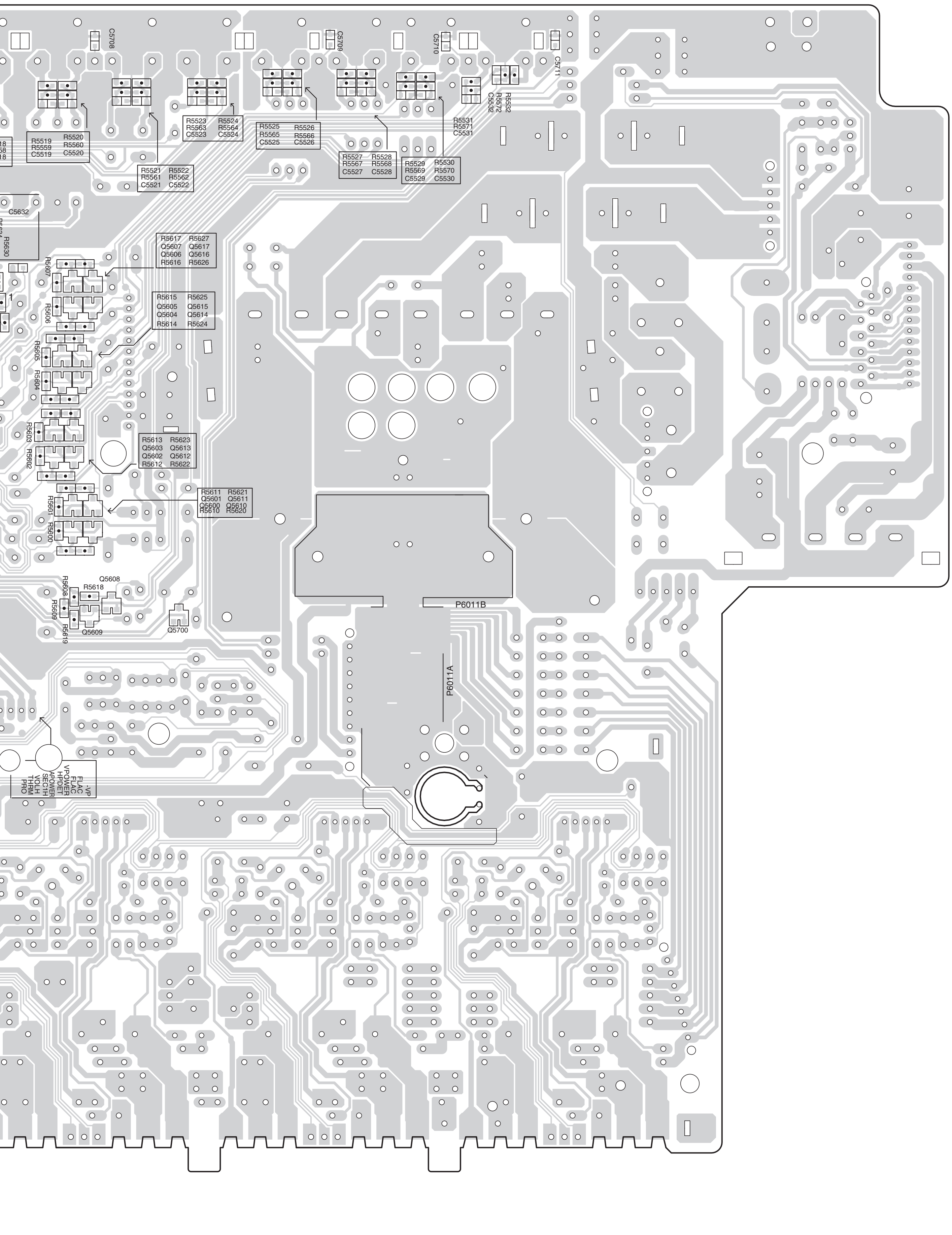
PRINTED CIRCUIT BOARD VIEWS-10

U09 AMPLIFIER PC BOARD (NAAF-8523)

Soldering side



E	F	G	H


C5708
C5709
C5710
C5711
R5532
R5572
C5532
R5519 R5520
R5559 R5560
C5519 C5520
R5521 R5522
R5561 R5562
C5521 C5522
R5523 R5524
R5563 R5564
C5523 C5524
R5525 R5526
R5565 R5566
C5525 C5526
R5527 R5528
R5567 R5568
C5527 C5528
R5529 R5530
R5569 R5570
C5529 C5530
R5531
R5571
C5531
C5632
R5630
R5617 R5627
Q5607 Q5617
Q5606 Q5616
R5616 R5626
R5615 R5625
Q5605 Q5615
Q5604 Q5614
R5614 R5624
R5613 R5623
Q5603 Q5613
Q5602 Q5612
R5612 R5622
R5611 R5621
Q5601 Q5611
Q5600 Q5610
R5610 R5620
R5607
R5606
R5605
R5604
R5603
R5602
R5601
R5600
Q5608
R5608
R5618
R5609
R5619
Q5609
Q5700
P6011B
P6011A
FL -VP
FLAC
VPOWER
HPDET
APOWER
SECH
VOLH
THRM
PRO

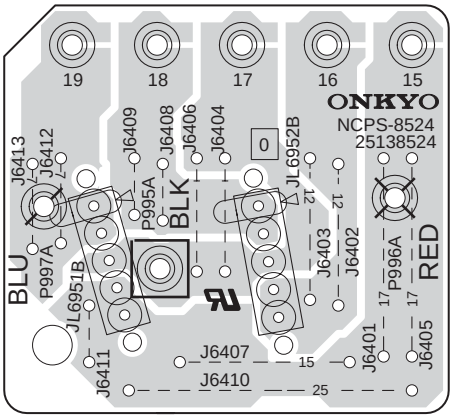
A B C D

1 2 3 4 5

PRINTED CIRCUIT BOARD VIEWS-11

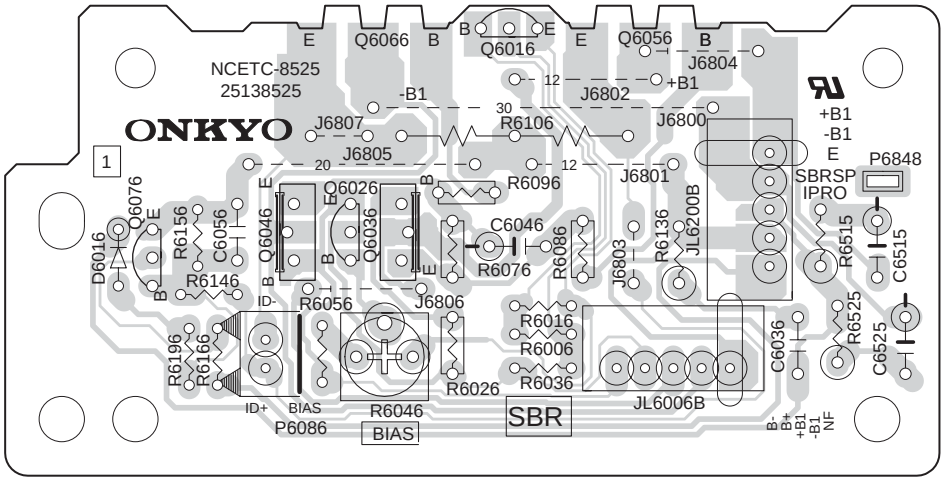
U10 SEC. TERMINAL-2 PC BOARD (NAPS-8524)

Component side



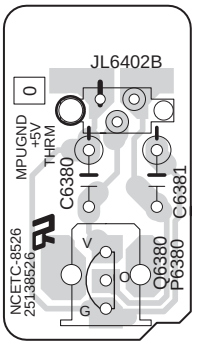
U11 SBR AMPLIFIER PC BOARD (NAETC-8525)

Component side



U12 THERMAL SENSOR PC BOARD (NAETC-8526)

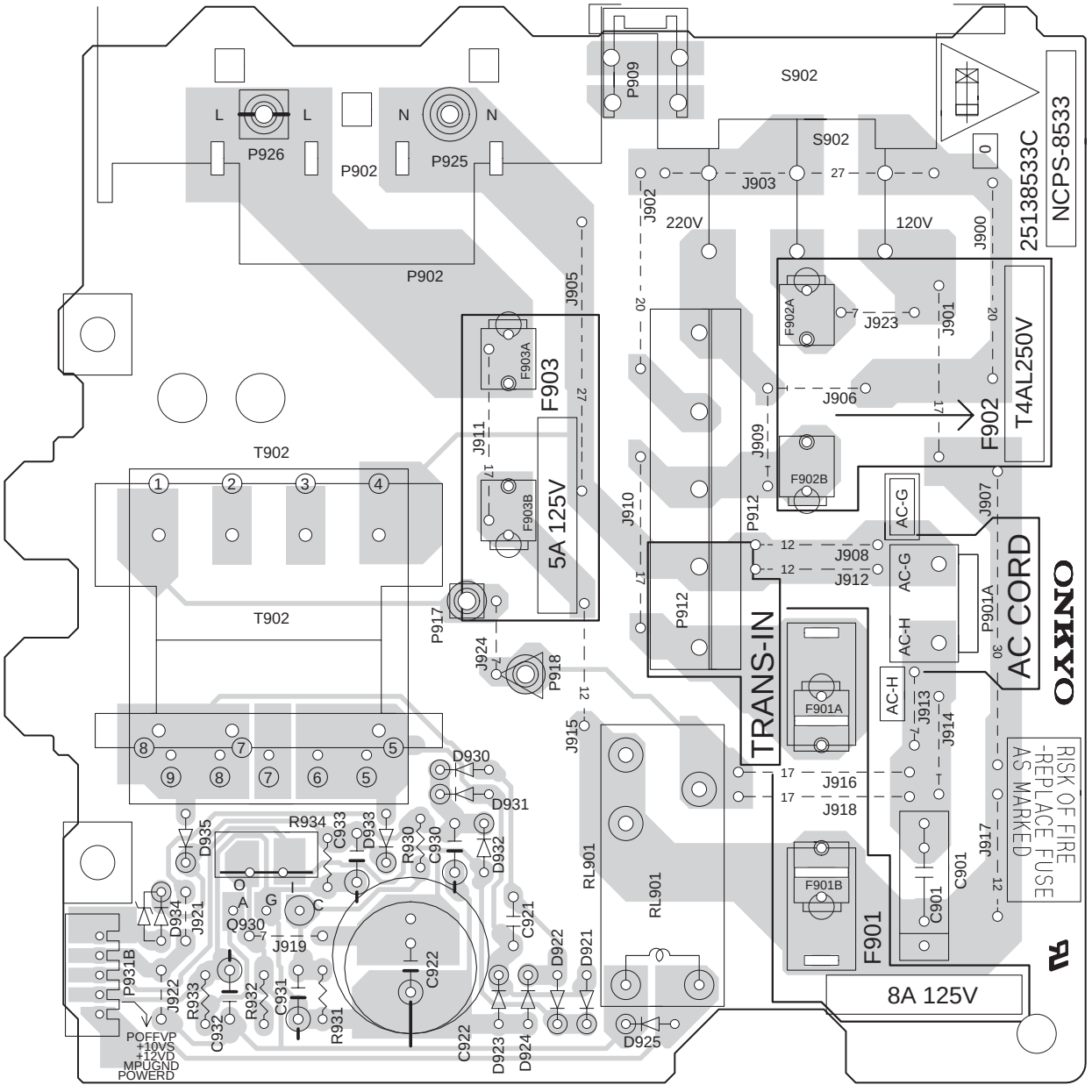
Component side



PRINTED CIRCUIT BOARD VIEWS-12

U15 POWER SUPPLY-1 PC BOARD (NAPS-8533)

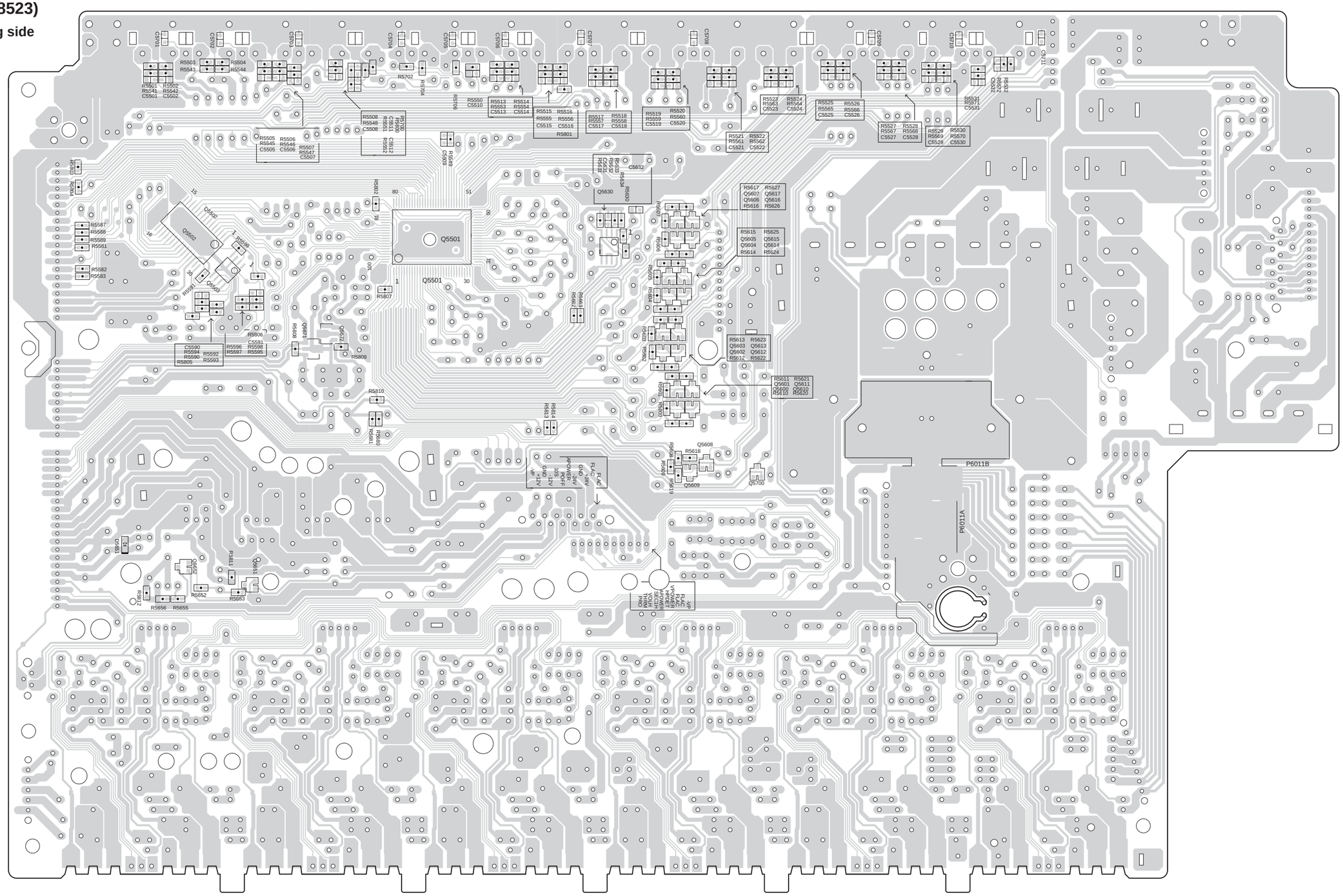
Component side



PRINTED CIRCUIT BOARD VIEWS-10

U09 AMPLIFIER PC BOARD (NAAF-8523)

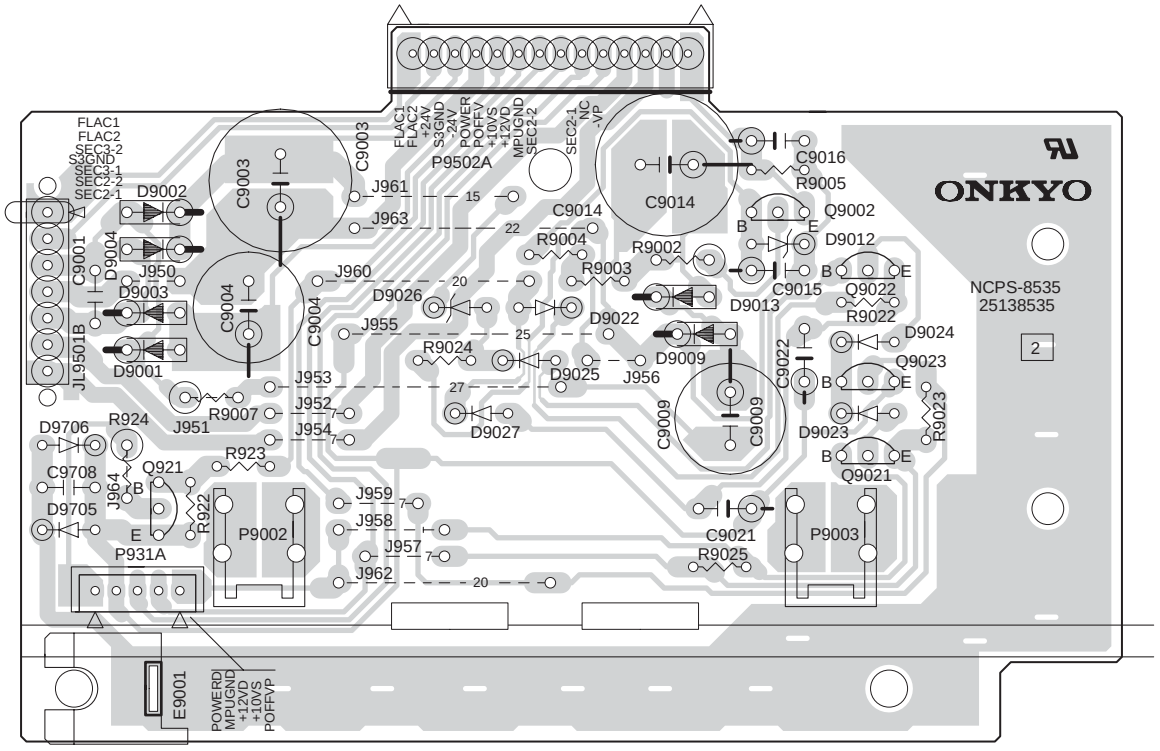
Soldering side



PRINTED CIRCUIT BOARD VIEWS-13

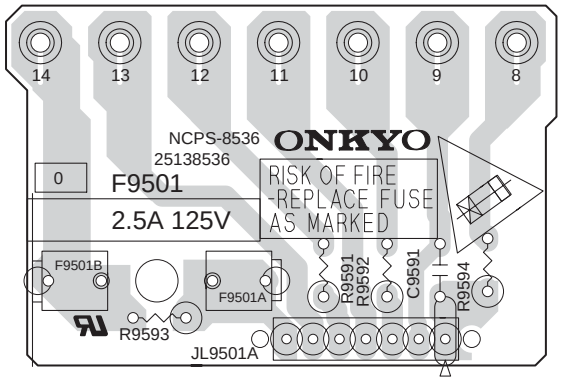
U17 POWER SUPPLY-2 PC BOARD (NAPS-8535)

Component side



U18 SEC. TERMINAL-1 PC BOARD (NAPS-8536)

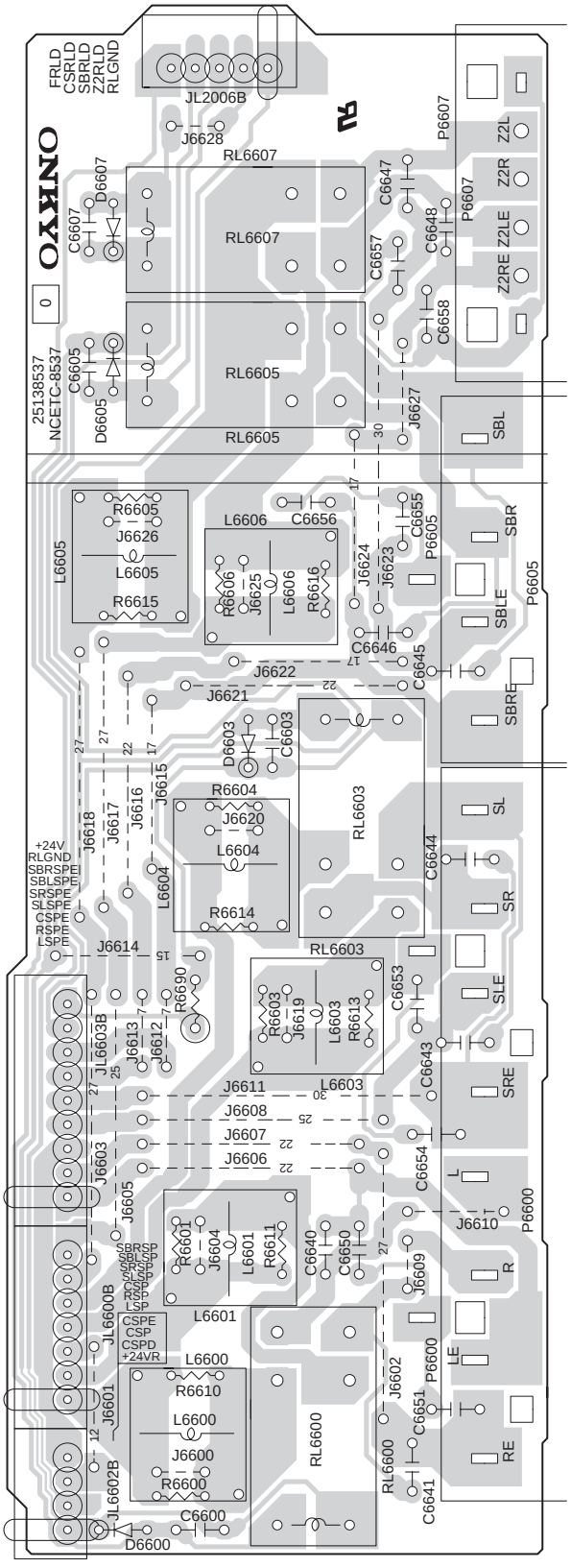
Component side



PRINTED CIRCUIT BOARD VIEWS-14

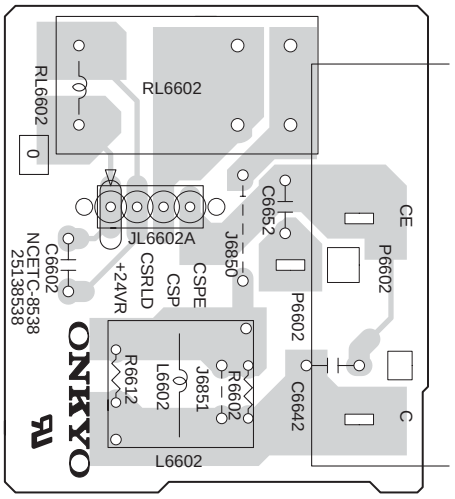
U19 SPEAKER TERMINAL PC BOARD (NAETC-8537)

Component side



U20 CENTER SPEAKER TERMINAL PC BOARD (NAETC-8538)

Component side



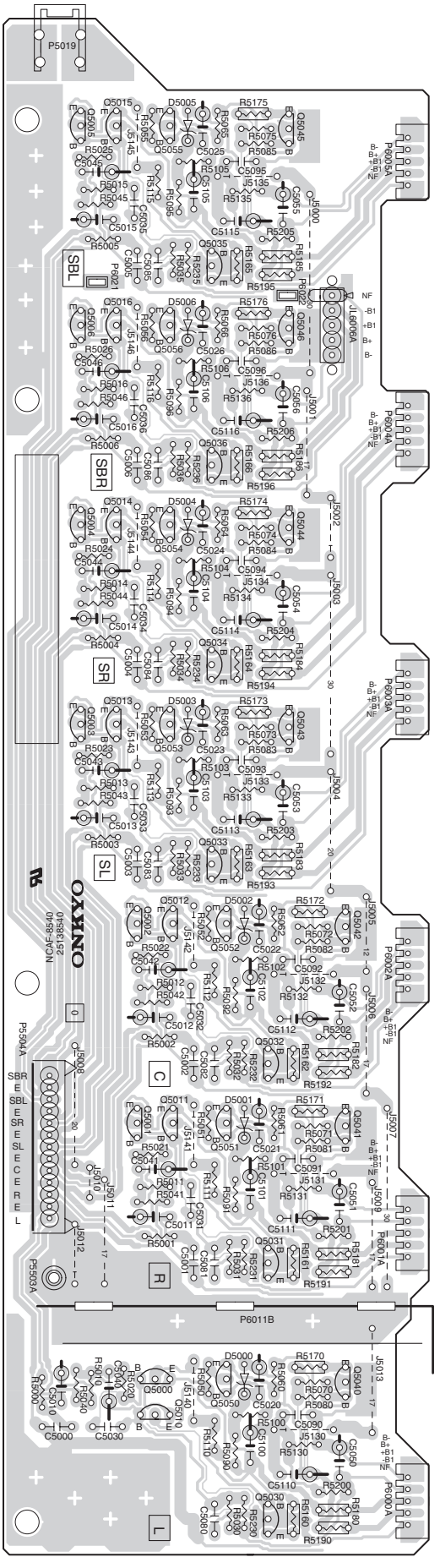
A B C D

1 2 3 4 5

PRINTED CIRCUIT BOARD VIEWS-15

U22 DRIVER AMPLIFIER PC BOARD (NAAF-8540)

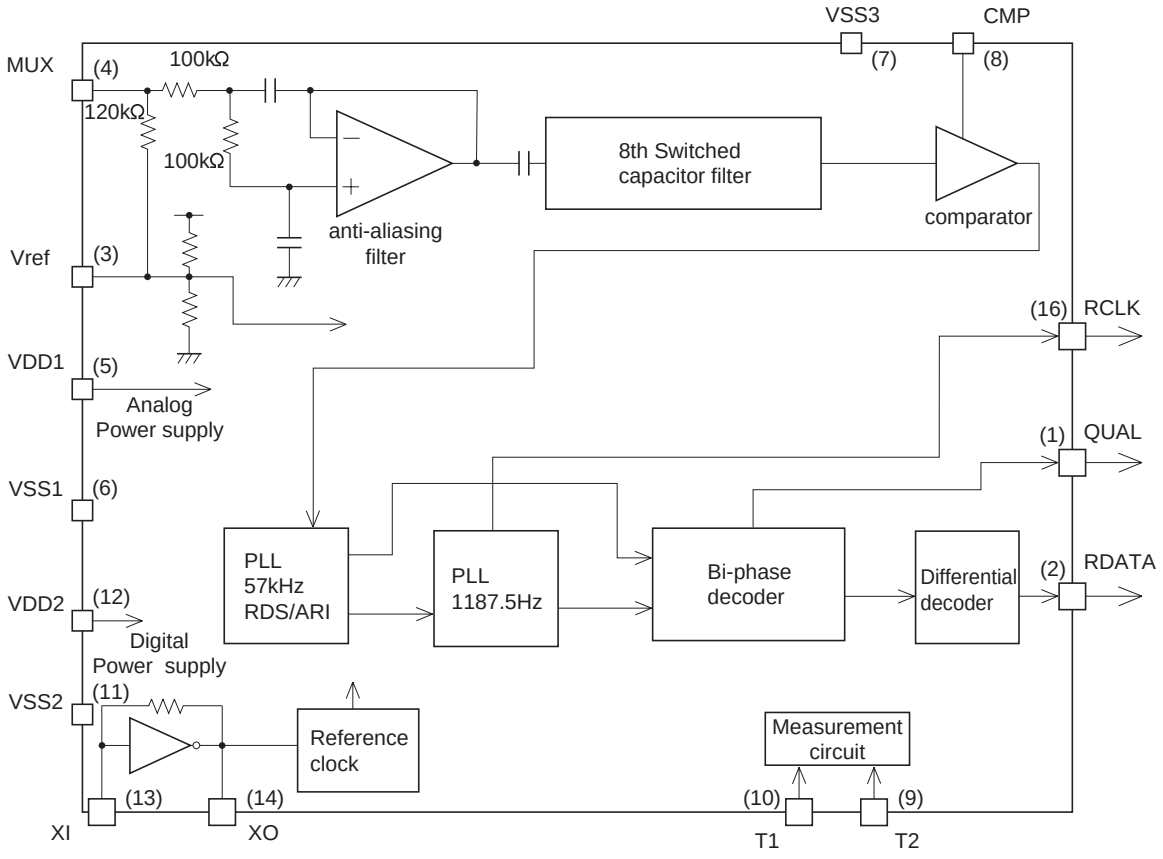
Component side



IC BLOCK DIAGRAM AND TERMINAL DESCRIPTIONS-1

Q111: BU1924FS (RDS decoder)-1

BLOCK DIAGRAM



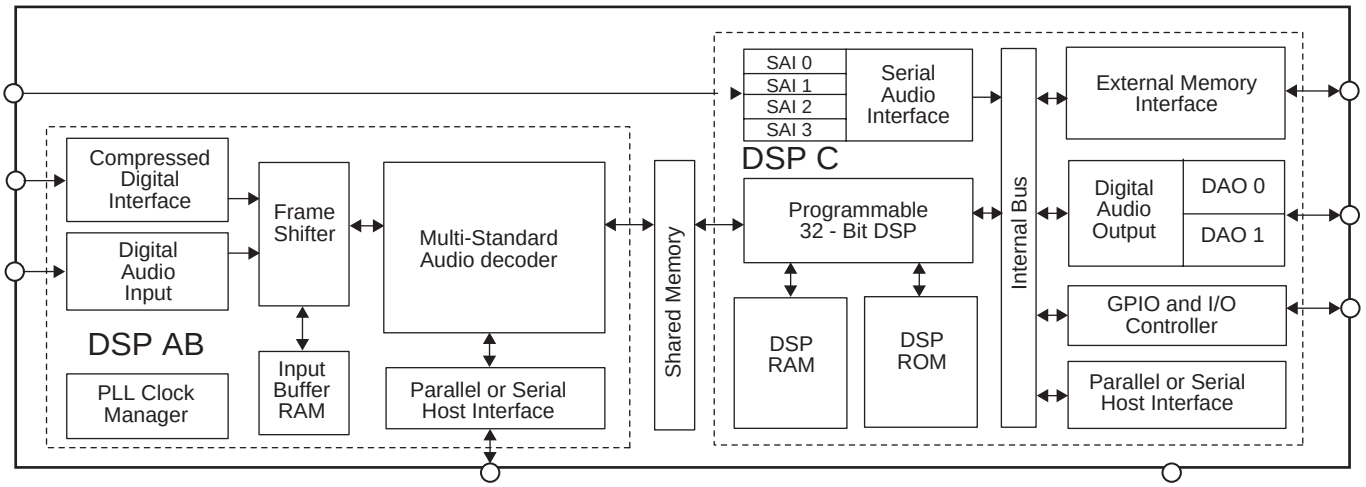
TERMINAL DESCRIPTION

Pin No.	Pin name	Description
1	QUAL	Output terminal of demodulator quality signal.
2	RDATA	Output terminal of demodulator data.
3	Vref	Input terminal of reference voltage.
4	MUX	Input terminal of composite signal.
5	VDD1	Analog power supply.
6	VSS1	Analog power supply.
7	VSS3	Ground.
8	CMP	Input terminal of comparator.
9	T2	Input terminal for test mode.
10	T1	Input terminal for test mode.
11	VSS2	Digital power supply.
12	VDD2	Digital power supply.
13	XI	Connect to oscillator.
14	XO	Connect to oscillator.
15	(N.C.)	---
16	RCLK	Output terminal of demodulator clock.

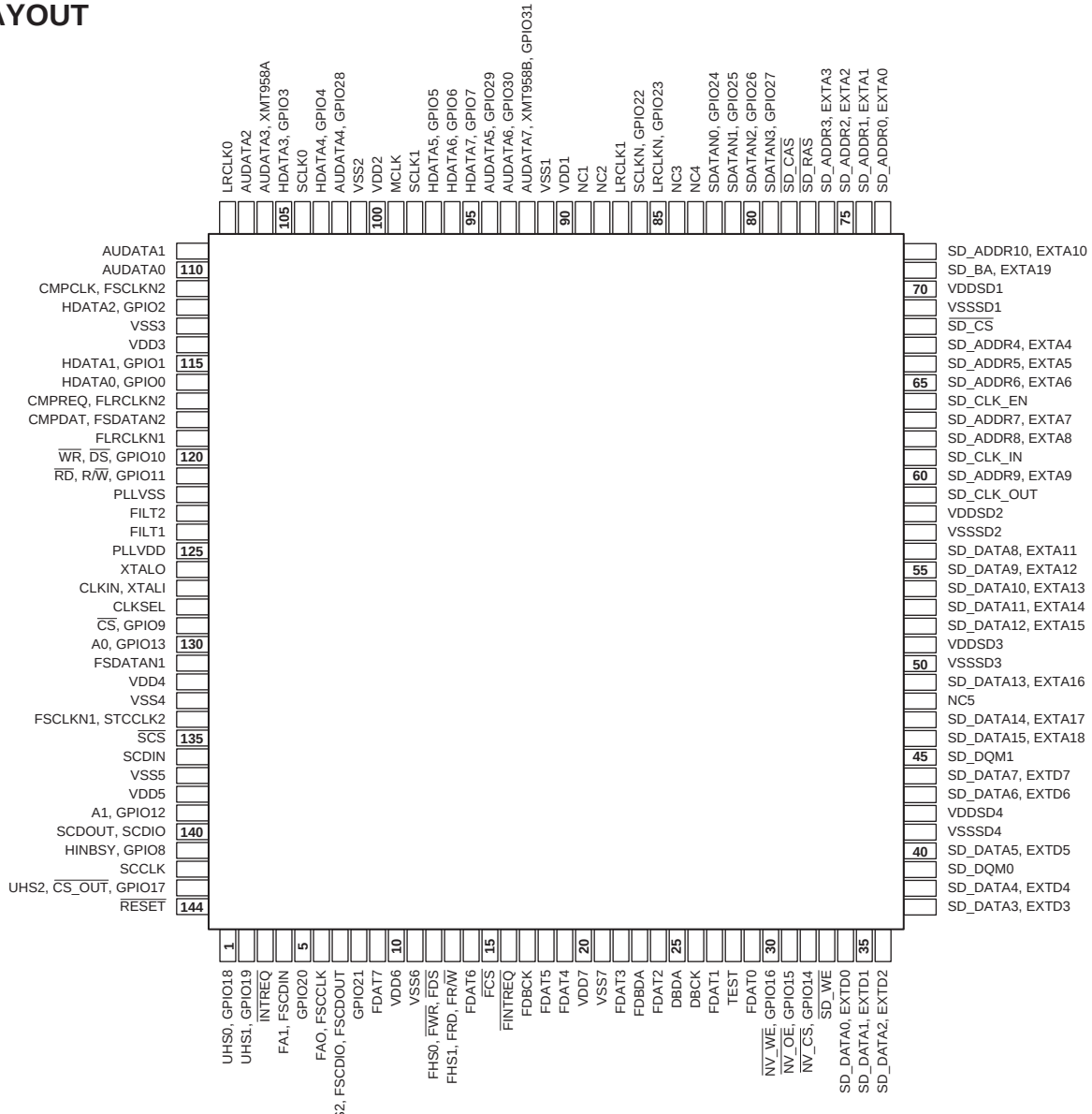
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-2

Q201: CS494003CQZ (Multi-Standard Audio Decoder)-1/11

BLOCK DIAGRAM



PIN LAYOUT



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-3

Q201: CS494003CQZ (Multi-Standard Audio Decoder)-2/11

TERMINAL DESCRIPTION

FILT1 --- Phase-Locked Loop Filter

Connects to an external filter for the on-chip phase-locked loop.

FILT2 --- Phase-Locked Loop Filter

Connects to an external filter for the on-chip phase-locked loop.

CLKIN, XTALI --- External Clock input / Crystal Oscillator input

CS494003 clock input. This pin accepts an external clock input signal that is used to drive the internal core logic. When in internal clock mode (CLKSEL == VSS), this input is connected to the internal PLL from which all internal clocks are derived. When in external clock mode (CLKSEL == VDD), this input is connected to the DSP clock. Alternatively, a 12.288 MHz crystal oscillator can be connected between XTALI and XTALO. *INPUT*

XTALO --- Crystal Oscillator Output

Crystal oscillator output. *OUTPUT*

CLKSEL --- DSP Clock select

This pin selects the internal source clock. When CLKSEL is low, CLKIN is connected to the internal PLL from which all internal clocks are derived. When CLKSEL is high, the PLL is bypassed and the external clock directly drives all input logic. *INPUT*

FDAT7 --- DSPAB Bidirectional Data Bus
FDAT6
FDAT5
FDAT4
FDAT3
FDAT2
FDAT1
FDAT0

In parallel host mode, these pins provide a bidirectional data bus to DSPAB. These pins have an internal pull-up.
BIDIRECTIONAL - Default : INPUT

FA0, FSCCLK --- Host Parallel Address Bit Zero or Serial Control Port Clock

In parallel host mode, this pin serves as one of two address input pins used to select one of four parallel resisters. In serial host mode, this pin serves as the serial control clock signal, specifically as the SPI clock input. *INPUT*

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-4

Q201: CS494003CQZ (Multi-Standard Audio Decoder)-3/11

FA1, FSCDIN --- Host Address Bit One or SPI Serial Control Data input

In parallel host mode, this pin serves as one of two address input pins used to select one of four parallel resisters. In SPI serial host mode, this pin serves as the data input. *INPUT*

FHS1, $\overline{\text{FRD}}$, FR/$\overline{\text{W}}$ --- Mode Select Bit 1 or Host Parallel Output Enable or Host Parallel R/$\overline{\text{W}}$

DSPAB control port mode select bit 1. This bit is one of 3 control port select bits that are sampled on the rising edge of $\overline{\text{RESET}}$ to determine the control port mode of DSPAB. In Intel parallel host mode, this pin serves as the active-low data bus enable input. In Motorola parallel host mode, this pin serves as the read-high/write-low control input signal. In serial host mode, this pin can serve as the external memory active-low data-enable output signal.
BIDIRECTIONAL - Default: INPUT

FHS0, $\overline{\text{FWR}}$, $\overline{\text{FDS}}$ --- Mode Select Bit 0 or Host Write Strobe or Host Data Strobe

DSPAB control port mode select bit 0. This bit is one of 3 control port select bits that are sampled on the rising edge of $\overline{\text{RESET}}$ to determine the control port mode of DSPAB. In Intel parallel host mode, this pin serves as the active-low data-write-input strobe. In Motorola parallel host mode, this pin serves as the active-low data-strove-input signal. In serial host mode, this pin can serves as the external-memory active-low write-enable output signal.
BIDIRECTIONAL - Default: INPUT

$\overline{\text{FCS}}$ --- Host Parallel Chip Select, Host Serial SPI Chip Select

In parallel host mode, this pin serves as the active-low chip-select input signal. In serial host SPI mode, this pin is used as the active-low chip-select input signal. *INPUT*

FHS2, FSCDIO, FSCDOUT --- Mode Select Bit 2 or Serial Control Port data Input and Output, Parallel Port Type Select

DSPAB control port mode select bit 2. This bit is one of 3 control port select bits that are sampled on the rising edge of $\overline{\text{RESET}}$ to determine the control port mode of DSPAB. In SPI mode this pin serves as the data output pin. In parallel host mode, this pin is sampled at the rising edge of $\overline{\text{RESET}}$ to configure the parallel host mode as an Intel type bus or as a Motorola type bus. *BIDIRECTIONAL - Default: INPUT*

$\overline{\text{FINTREQ}}$ --- Control Port Interrupt Request

Open-drain interrupt-request output. This pin is driven low to indicate that the DSP has outgoing control data that should be read by the host.
OPEN DRAIN I/O - Requires 3.3k Ohm Pull - Up

FSCLKN1, STCCLK2 --- PCM Audio Input Bit Clock

Digital-audio bit clock input. FSCLKN1 operates asynchronously from all other DSPAB clocks. In master mode, FSCLKN1 is derived from DSPAB's internal clock generator. The active edge of FSCLKN1 can be programmed by the DSP.
BIDIRECTIONAL - Default: INPUT

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-5

Q201: CS494003CQZ (Multi-Standard Audio Decoder)-4/11

FLRCLKN1 --- PCM Audio Input Sample Rate clock

Digital-audio frame clock input. FLRCLKN1 typically is run at the sampling frequency. FLRCLKN1 operates asynchronously from all other DSPAB clocks. The polarity of FLRCLKN1 for a particular subframe can be programmed by the DSP.
BIDIRECTIONAL - Default: INPUT

FSDATAN1 --- PCM Audio Data Input One

Digital-audio data input can accept from one compressed line or 2 channels of PCM data. FSDATAN1 can be sampled with either edge of FSCLKN1, depending on how FSCLKN1 has been configured. *INPUT*

CMPCLK, FSCLKN2 --- PCM Audio Input Bit Clock

Digital- audio bit clock input. FSCKN2 operates asynchronously from all other DSPAB clocks. The active edge of FSCLKN2 can be programmed by the DSP.
BIDIRECTIONAL - Default: INPUT

CMPDAT, FSDATAN2 --- PCM Audio Data Input Number Two

Digital-audio data input that can accept either one compressed line or 2 channels of PCM data. FSDATAN2 can be sampled with either edge of FSCLK2, depending on how FSCLKN2 has been configured.
BIDIRECTIONAL - Default: INPUT

FDBCK --- Reserved

This pin is reserved and should be pulled up with an external 3.3k resistor. *INPUT*

FDBDA --- Reserved

This pin is reserved and should be pulled up with an external 3.3k resistor.
BIDIRECTIONAL - Default: INPUT

PLLVDD --- PLL Supply Voltage

2.5V PLL supply.

PLLVSS --- PLL Ground Voltage

PLL ground.

$\overline{\text{RESET}}$ --- Master Reset Input

Asynchronous active-low master reset input. Reset should be low at power-up to initialize the DSP and to guarantee that the device is not active during initial power-on stabilization periods. At the rising edge of reset the host interface mode of DSPAB is selected contingent on the state of the FHS0, FHS1, and FHS2 pins. At the rising edge of reset the host interface mode of DSPC is selected contingent on the state of the UHS0, UHS1, and UHS2 pins. If reset is low all bidirectional pins are high-Z inputs. *INPUT*

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-6

Q201: CS494003CQZ (Multi-Standard Audio Decoder)-5/11

TEST --- Reserved

This should be tied low for normal operation. *INPUT*

MCLK --- Audio Master Clock

Bidirectional master audio clock. As an output, MCLK provides a low jitter oversampling clock. MCLK supports all standard oversampling frequencies. *BIDIRECTIONAL - Default: INPUT*

SCLK0 --- Audio Output Bit Clock

Bidirectional digital-audio output bit clock for AUDATA0, AUDATA1, AUDATA2, and AUDATA3. As an output, SCLK0 can provide 32 Fs, 64 Fs, 128 Fs, 256 Fs or 512 Fs frequencies and is synchronous to MCLK. As an input, SCLK0 is independent of MCLK.
BIDIRECTIONAL - Default: INPUT

SCLK1 --- Audio Output Bit Clock

Bidirectional digital-audio output bit clock for AUDATA4, AUDATA5, AUDATA6, and AUDATA7. As an output, SCLK1 can provide 32 Fs, 64 Fs, 128 Fs, 256 Fs, or 512 Fs frequencies and is synchronous to MCLK. As an input, SCLK1 is independent of MCLK.
BIDIRECTIONAL - Default: INPUT

LRCLK0 --- Audio Output Sample Rate Clock

Bidirectional digital-audio output frame clock for AUDATA0, AUDATA1, AUDATA2, and AUDATA3. AS an output, LRCLK0 can provide all standard output sample rates up to 192 kHz and is synchronous to MCLK. As input, LRCLK0 is independent of MCLK.
BIDIRECTIONAL - Default: INPUT

LRCLK1 --- Audio Output Sample Rata Clock

Bidirectional digital-audio output frame clock for AUDATA4, AUDATA5, AUDATA6, and AUDATA7. AS an output, LRCLK1 can provide all standard output sample rates up to 192 kHz and is synchronous to MCLK. As input, LRCLK1 is independent of MCLK.
BIDIRECTIONAL - Default: INPUT

AUDATA0 --- Digital Audio Output 0

PCM digital-audio data output. *OUTPUT*

AUDATA1 --- Digital Audio Output 1

PCM digital-audio data output. *OUTPUT*

AUDATA2 --- Digital Audio Output 2

PCM digital-audio data output. *OUTPUT*

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-7

Q201: CS494003CQZ (Multi-Standard Audio Decoder)-6/11

AUDATA3, XMT958A --- Digital Audio Output 3, S/PDIF Transmitter

CMOS level output that outputs a biphase-mark encoded (S/PDIF) IEC60958 signal or digital audio data which is capable of carrying two channels of PCM digital audio. *OUTPUT*

AUDATA4, GPIO28 --- Digital Audio Output 4, General Purpose I/O

PCM digital-audio data output. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: OUTPUT*

AUDATA5, GPIO29 --- Digital Audio Output 5, General Purpose I/O

PCM digital-audio data output. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: OUTPUT*

AUDATA6, GPIO30 --- Digital Audio Output 6, General Purpose I/O

PCM digital-audio data output. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: OUTPUT*

AUDATA7, XMT958B, GPIO3 --- Digital Audio Output 7, S/PDIF Transmitter, General Purpose I/O

CMOS level output that contains a biphase-mark encoded (S/PDIF) IEC60958 signal or digital audio data which is capable of carrying two channels of PCM digital audio. This pin can also act as a general-purpose input or output that can be individually configured and controlled by DSCP. *BIDIRECTIONAL - Default: OUTPUT*

DBCK --- Debug Clock

Must be tied high to 3.3k ohm resistor. *INPUT*

DBDA --- Debug Data

Must be tied high to 3.3k ohms resistor. *BIDIRECTIONAL - Default: INPUT*

SLCKN, GPIO22 --- PCM Audio Input Bit Clock, General Purpose I/O

Digital-audio bit clock that is an input. SCLKN operates asynchronously from all other DSPAB clocks. The active edge of SCLKN can be programmed by the DSP. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: INPUT*

LRCLKN, GPIO23 --- PCM Audio Input Sample Rate Clock, General Purpose I/O

Digital-audio frame clock input. LRCLKN operates asynchronously from all other DSPAB clocks. The polarity of LRCLKN for a particular subframe can be programmed by the DSP. this pin can act as a general-purpose input or output that can be individually configured and controlled by DSCP. *BIDIRECTIONAL - Default: INPUT*

SDATAN0, GPIO24 --- PCM Audio Input Data, General Purpose I/O

Digital-audio PCM data input. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: INPUT*

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-8

Q201: CS494003CQZ (Multi-Standard Audio Decoder)-7/11

SDATAN1, GPIO25 --- PCM Audio Input Data, General purpose I/O

Digital-audio PCM data input. This can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: INPUT*

SDATAN2, GPIO26 --- PCM Audio Input Data, General purpose I/O

Digital-audio PCM data input. This can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: INPUT*

SDATAN3, GPIO27 --- PCM Audio Input Data, General purpose I/O

Digital-audio PCM data input. This can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: INPUT*

$\overline{\text{SCS}}$ --- Host Serial SPI Chip Select

SPI mode active-low chip-select input signal. *INPUT*

SCCLK --- Serial Control Port Clock

This pin serves as the serial SPI clock input. *INPUT*

SCDIN --- SPI Serial Control Data Input

In SPI mode this pin serves as the data input pin. *INPUT*

SCDOUT, SCDIO --- Serial Control Port Data Input and Output

In SPI mode this pin serves as the data output pin. *BIDIRECTIONAL - Default: OUTPUT in SPI mode.*

$\overline{\text{INTREQ}}$ --- Control Port Interrupt Request

Open-drain interrupt-request output. This pin is driven low to indicate that DSPC has outgoing control data and should be serviced by the host.
OPEN DRAIN I/O - Requires 3.3k Ohm Pull-Up

HDATA7, GPIO7 --- DSPC Bidirectional Data Bus, General Purpose I/O
HDATA6, GPIO6
HDATA5, GPIO5
HDATA4, GPIO4
HDATA3, GPIO3
HDATA2, GPIO2
HDATA1, GPIO1

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-9

Q201: CS494003CQZ (Multi-Standard Audio Decoder)-8/11

HDATA0, GPIO0

In parallel host mode, these pins provide a bidirectional data bus. These pins can also act as general purpose input or output pins that can be individually configured and controlled by DSPC. These pins have an internal pull-up. *BIDIRECTIONAL - Default: INPUT*

A0, GPIO13 --- Host Parallel Address Bit 0, General Purpose I/O

In parallel host mode, this pin serves as the LS Bit of a two bit address input used to select one of four parallel registers. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: INPUT*

A1, GPIO12 --- Host Address Bit 1, General Purpose I/O

In parallel host mode, this pin serves as the MS Bit of a two bit address input used to select one of four parallel registers. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: INPUT*

$\overline{RD}$, R/$\overline{W}$, GPIO11 --- Host Parallel Output Enable, Host Parallel R/$\overline{W}$, General Purpose I/O

In parallel host mode, this pin serves as the active-low data bus enable input. In Motorola parallel host mode, this pin serves as the read-high/white-low control input signal. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. This pin has an internal pull-up. *BIDIRECTIONAL - Default: INPUT*

$\overline{WR}$, $\overline{DS}$, GPIO10 --- Host Write Strobe, Host Data Strobe, General Purpose I/O

In Intel parallel host mode, this pin serves as the active-low data bus enable input. In Motorola parallel host mode, this pin serves as the read-high/write-low control input signal. In serial host mode, this pin can serve as a general purpose input or output bit. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. This pin has an internal pull-up.
BIDIRECTIONAL - Default: INPUT

$\overline{CS}$, GPIO9 --- Host Parallel Chip Select, General Purpose I/O

In parallel host mode, this pin serves as the active-low chip-select input signal. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. This pin has an internal pull-up. *BIDIRECTIONAL - Default: INPUT*

HINBSY, GPIO8 --- Input host Message Status, General Purpose I/O

This pin is indicates that serial or parallel communication data written to the DSP has not been read yet. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. This pin has an internal pull-up. *BIDIRECTIONAL Default: OUTPUT*

SD_DATA15, EXTA18 --- SDRAM Data Bus, SRAM External Address Bus

SD_DATA14, EXTA17

SD_DATA13, EXTA16

SD_DATA12, EXTA15

SD_DATA11, EXTA14

SD_DATA10, EXTA13

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-10

Q201: CS494003CQZ (Multi-Standard Audio Decoder)-9/11

SD_DATA9, EXTA12

SD_DATA8, EXTA11

SDRAM data bus 15:8. SRAM external address bus 18:11. *OUTPUT*

SD_DATA7, EXTD7 --- SDRAM Data Bus, SRAM External Data Bus

SD_DATA6, EXTD6

SD_DATA5, EXTD5

SD_DATA4, EXTD4

SD_DATA3, EXTD3

SD_DATA2, EXTD2

SD_DATA1, EXTD1

SD_DATA0, EXTD0

SDRAM data bus 7:0. SRAM external data bus 7:0. *BIDIRECTIONAL - Default: INPUT*

SD_ADDR10, EXTA10 --- SDRAM Address Bus, SRAM External Address Bus

SD_ADDR9, EXTA9

SD_ADDR8, EXTA8

SD_ADDR7, EXTA7

SD_ADDR6, EXTA6

SD_ADDR5, EXTA5

SD_ADDR4, EXTA4

SD_ADDR3, EXTA3

SD_ADDR2, EXTA2

SD_ADDR1, EXTA1

SD_ADDR0, EXTA0

SDRAM address bus 10:0. SRAM external address bus 10:0. *OUTPUT*

SD_CLK_OUT --- SDRAM Clock Output

SDRAM clock output. *OUTPUT*

SD_CLK_IN --- SDRAM Re-timing Clock Input

SDRAM re-timing clock input. *INPUT*

SD_CLK_EN --- SDRAM Clock Enable

SDRAM clock enable. *OUTPUT*

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-11

Q201: CS494003CQZ (Multi-Standard Audio Decoder)-10/11

SD_BA, EXTRA19 --- SDRAM Bank Address Select, SRAM External Address Bus

SDRAM bank address select, SRAM external address bus 19. *OUTPUT*

$\overline{\text{SD\_CS}}$ --- SDRAM Chip select

SDRAM chip select. *OUTPUT*

$\overline{\text{SD\_RAS}}$ --- SDRAM Row Address Strobe

SDRAM row address strobe. *OUTPUT*

$\overline{\text{SD\_CAS}}$ --- SDRAM Column Address Strobe

SDRAM column address strobe. *OUTPUT*

$\overline{\text{SD\_WE}}$ --- SDRAM Write Enable

SDRAM write enable. *OUTPUT*

SD_DQM1 --- SDRAM Data Mask 1

SDRAM data mask 1. *OUTPUT*

SD_DQM0 --- SDRAM Data Mask 2

SDRAM data mask 0. *OUTPUT*

$\overline{\text{NV\_CS}}$, GPIO14 --- SRAM Chip Select, General Purpose I/O

SRAM/FLASH chip select. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: OUTPUT*

$\overline{\text{NV\_OE}}$, GPIO15 --- SRAM Output Enable, General Purpose I/O

SRAM/FLASH output enable. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: OUTPUT*

$\overline{\text{NV\_WE}}$, GPIO16 --- SRAM Write Enable, General Purpose I/O

SRAM/FLASH write enable. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: OUTPUT*

UHS2, CS_OUT, GPIO17 --- Mode Select Bit 2, External Serial Memory Chip Select, General Purpose I/O

DSPC control port mode select bit 2. This pin is sampled at the rising edge of $\overline{\text{RESET}}$ and is one of three pins used to select the control port mode. In serial control port mode, this pin can serve as an output to provide the chip-select for a serial EEPROM. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. *BIDIRECTIONAL - Default: INPUT*

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-12

Q201: CS494003CQZ (Multi-Standard Audio Decoder)-11/11

UHS0, GPIO18 --- Mode Select Bit 0, General Purpose I/O

DSPC control port mode select bit 0. This pin is sampled at the rising edge of $\overline{\text{RESET}}$ and is one of three pins used to select the control port mode. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC.
BIDIRECTIONAL - Default: INPUT

UHS1, GPIO19 --- Mode Select Bit 1, General Purpose I/O

DSPC control port mode select bit 1. This pin is sampled at the rising edge of $\overline{\text{RESET}}$ and is one of three pins used to select the control port mode. This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC.
BIDIRECTIONAL - Default: INPUT

GPIO20 --- General Purpose I/O

This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. This pin has an internal pull-up.
BIDIRECTIONAL - Default: INPUT

GPIO21 --- General Purpose I/O

This pin can act as a general-purpose input or output that can be individually configured and controlled by DSPC. This pin has an internal pull-up.
BIDIRECTIONAL - Default: INPUT

VDD [7:1] --- 2.5V Supply Voltage

2.5V supply voltage.

VSS --- 2.5V Ground

2.5V ground.

NC[5:1] --- No Connect

Recommended tie to ground.

VDDSD [4:1] --- 3.3V SDRAM / SRAM / EPROM Interface Supply

3.3V SDRAM / SRAM / EPROM supply.

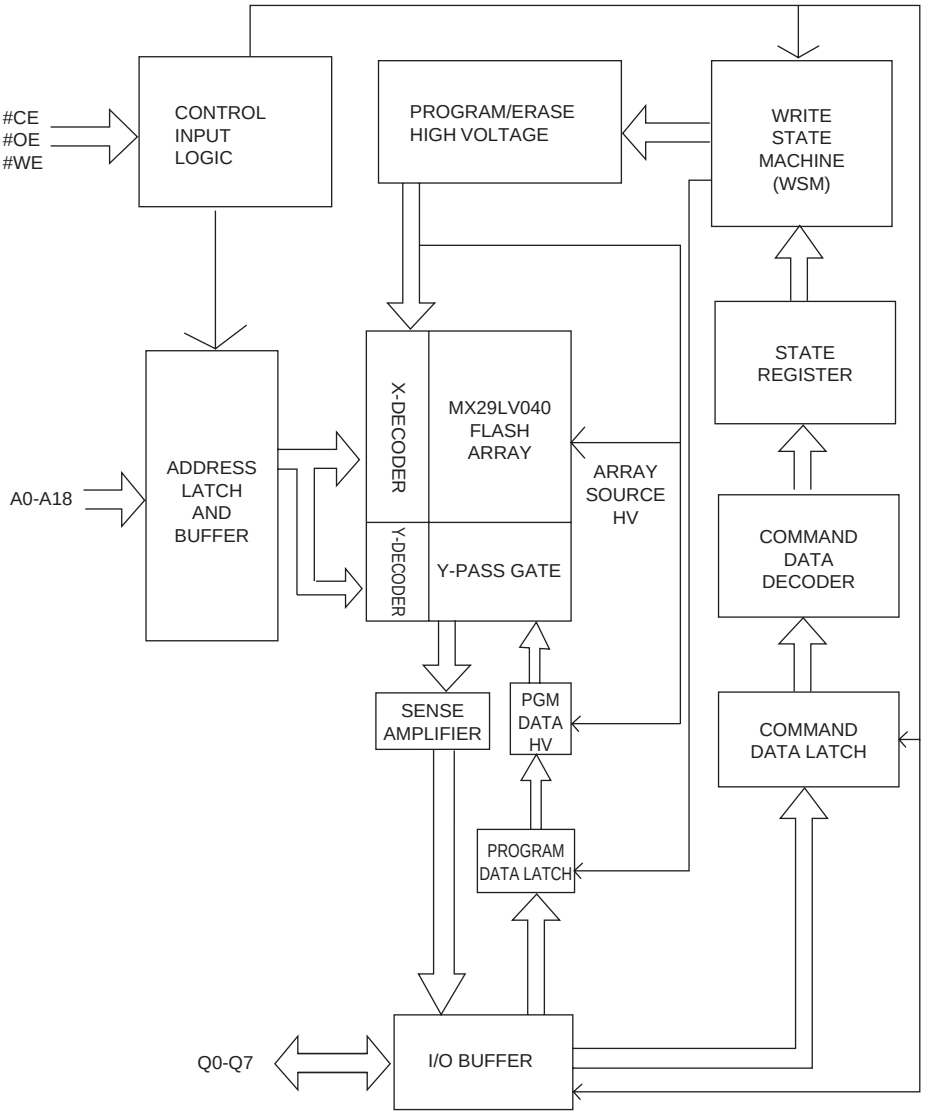
VSSSD --- 3.3V SDRAM / SRAM / EPROM interface Ground

3.3V ground.

IC BLOCK DIAGRAM AND TERMINAL DESCRIPTIONS-13

Q281: MX26LV040 (4M-Bit CMOS Single Voltage 3V Only High Speed Flash Memory)

BLOCK DIAGRAM



PIN LAYOUT

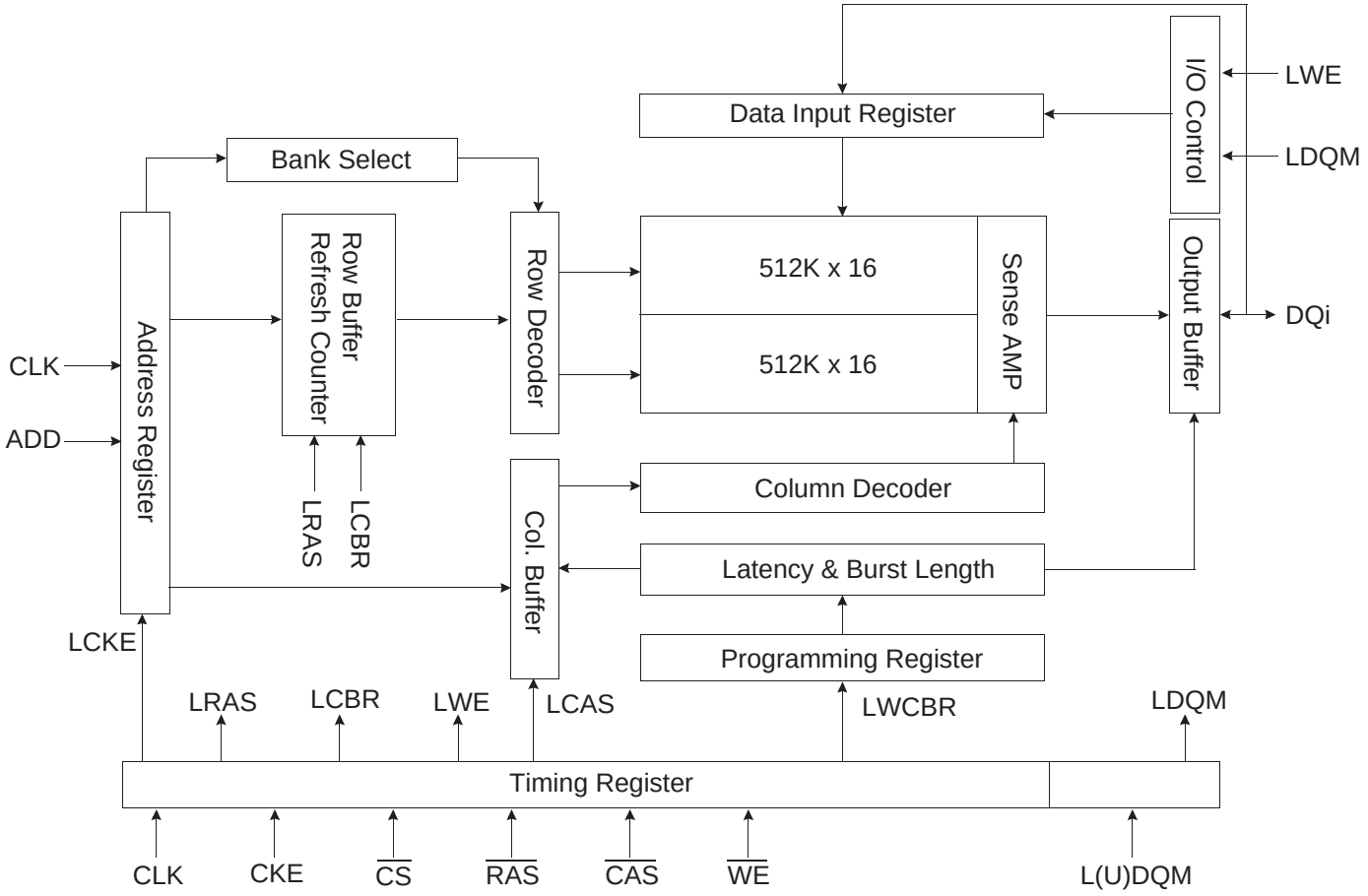
TERMINAL DESCRIPTION

Pin Name	Description
A0~A18	Address Input
Q0~Q7	Data Input/Output
CE#	Chip Enable Input
WE#	Write Enable Input
OE#	Output Enable Input
GND	Ground Pin
VCC	+3.0V single power supply

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-14

Q282: K4S161622H(16Mb H-die SDRAM)-1/2

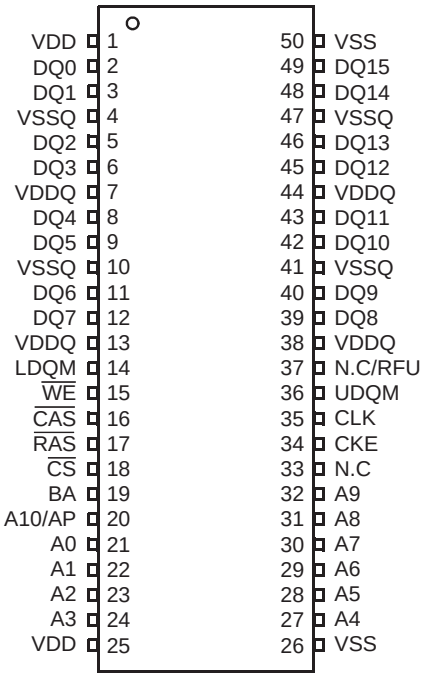
BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-15

Q282: K4S161622H(16Mb H-die SDRAM)-2/2

PIN LAYOUT



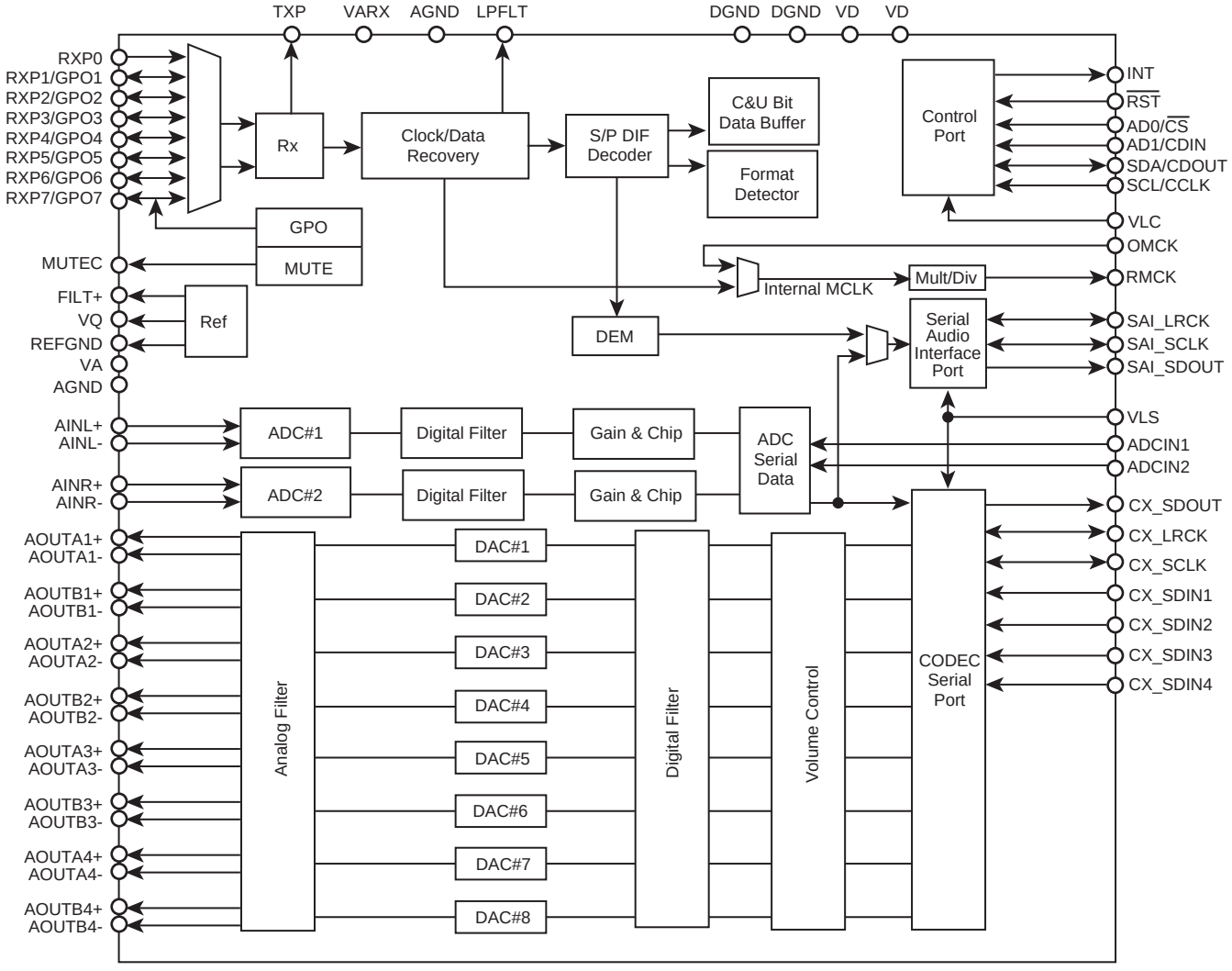
TERMINAL DESCRIPTION

Pin	Name	Function
CLK	System Clock	Active on the positive going edge to sample all inputs.
$\overline{CS}$	Chip Select	Disables or enables device operation by masking or enabling all inputs except CLK, CKE and L(U)DQM
CKE	Clock Enable	Masks system clock to freeze operation from the next clock cycle. CKE should be enabled at least one cycle prior to new command. Disable input buffers for power down in standby.
A0 ~ A10/AP	Address	Row / column addresses are multiplexed on the same pins. Row address : RA0 ~ RA10, column address : CA0 ~ CA7
BA	Bank Select Address	Selects bank to be activated during row address latch time. Selects bank for read/write during column address latch time.
$\overline{RAS}$	Row Address Strobe	Latches row addresses on the positive going edge of the CLK with $\overline{RAS}$ low. Enables row access & precharge.
$\overline{CAS}$	Column Address Strobe	Latches column addresses on the positive going edge of the CLK with $\overline{CAS}$ low. Enables column access.
$\overline{WE}$	Write Enable	Enables write operation and row pre-charge. Latches data in starting from $\overline{CAS}$, $\overline{WE}$ active.
L(U)DQM	Data Input/Output Mask	Makes data output Hi-Z, tSHZ after the clock and masks the output. Blocks data input when L(U)DQM active.
DQ0 ~ 15	Data Input/Output	Data inputs/outputs are multiplexed on the same pins.
VDD/VSS	Power Supply/Ground	Power and ground for the input buffers and the core logic.
VDDQ/VSSQ	Data Output Power/Ground	Isolated power supply and ground for the output buffers to provide improved noise immunity.
N.C/RFU	No Connection/ Reserved for Future Use	This pin is recommended to be left No Connection on the device.

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-16

Q421 : CS42518 (8-Ch Codec with S/PDIF Receiver)-1/4

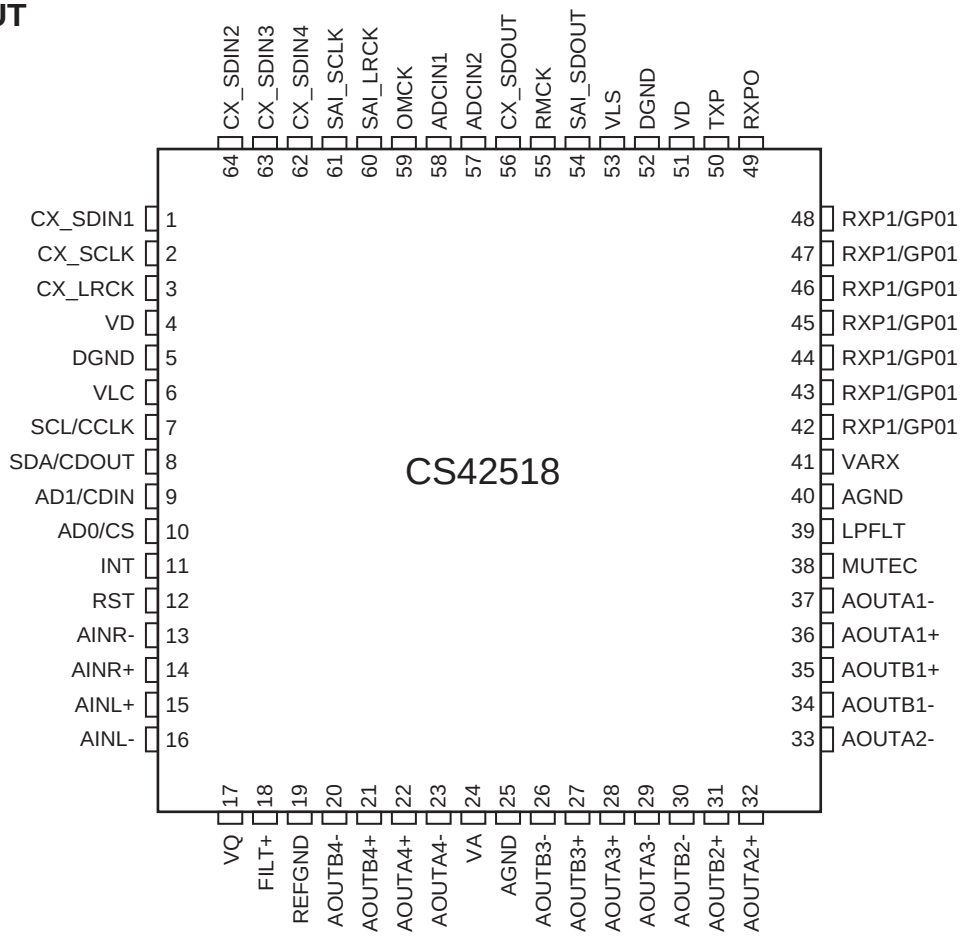
BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-17

Q421 : CS42518 (8-Ch Codec with S/PDIF Receiver)-2/4

PIN LAYOUT



TERMINAL DESCRIPTION

Pin Name	#	Pin Description
CX_SDIN1 CX_SDIN2 CX_SDIN3 CX_SDIN4	1 64 63 62	Codec Serial Audio Data Input (Input) - Input for two's complement serial audio data.
CX_SCLK	2	CODEC Serial Clock (Input/Output) - Serial clock for the CODEC serial audio interface
CX_LRCK	3	CODEC Left Right Clock (Input/ Output) - Determines which channel, Left or Right, is currently active on the CODEC serial audio data line.
VD	4 51	Digital Power (Input) - Positive power supply for the digital section.
DGND	5 52	Digital Ground (Input) - Ground reference. Should be connected to digital ground.
VLC	6	Control Port Power (Input) - Determines the required signal level for the control port.
SCL/CCLK	7	Serial Control Port Clock (Input) - Serial clock for the serial control port. Requires an external pull-up resistor to the logic interface voltage in I2C mode as shown in the Typical Connection Diagram.
SDA/CDOUT	8	Serial Control Data (Input/Output) - SDA is a data I/O line in IC mode and requires an external pull-up resistor to the logic interface voltage, as shown in the Typical connection Diagram. CDOUT is the output data line for the control port interface in SPI mode.
AD1/CDIN	9	Address Bit 1 (I2C)/Serial Control Data (SPI) (Input) - AD1 a chip address pin in I2C mode; CDIN is the input data line for control port interface in SPI mode.

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-18

Q421 : CS42518 (8-Ch Codec with S/PDIF Receiver)-3/4

Pin Name	#	Pin Description
AD0/CS	10	Address Bit 0 (I2C)/Control Port Chip Select (SPI) (INput) - AD0 is a chip address pin in I2C mode; CS is the chip select signal in SPI mode.
INT	11	Interrupt (Ountput) - The CS42518 will generate an interrupt condition as per the Interrupt Mask register.
RST	12	Reset (Input) - The device enters a low power mode and all internal registers are reset to their default settings when low.
AINR- AINR+	13 14	Differential right Channel Analog Input (Input) - Signals are presented differentially to the delta-sigma modulators via the AINR+/- pins.
AINL- AINL+	15 16	Differential right Channel Analog Input (Input) - Signals are presented differentially to the delta-sigma modulators via the AINR+/- pins.
VQ	17	Quiescent Voltage (Output) - Filter connection for internal quiescent reference voltage.
FILT+	18	Positive Voltage Reference (Output) - Positive reference voltage for the internal sampling circuits.
REFGND	19	Reference Ground (Input) - Ground reference for the internal sampling circuits.
AOUTA1 +, - AOUTB1 +, - AOUTA2 +, - AOUTB2 +, - AOUTA3 +, - AOUTB3 +, - AOUTA4 +, - AOUTB4 +, -	36, 37 35, 34 32, 33 31, 30 28, 29 27, 26 22, 23 21, 20	Differential Analog Output (Output) - The full-scale differential analog output level is specified in the Analog Characteristics specification table.
VA VARX	24 41	Analog Power (Input) - Positive power supply for the analog section.
AGND	25 40	Analog Ground (Input) - Ground reference. Should be connected to analog ground.
MUTEC	38	Mute Control (Output) - The Mute Control pin outputs high impedance following an initial power -on condition or whenever the PDN bit is set to a "1", forcing the codec into power -down mode. The signal will remain in a high impedance state as long as the part is in power-down mode. The Mute Control pin goes to the selected "active" state during reset, muting, or if the master clock to left/right clock frequency ratio is incorrect. This pin is intended to be used as a control for external mute circuits to prevent the clicks and pops that can occur in any single supply system. The use of external mute circuits are not mandatoy but may be desired for designs requiring the absolute minimum in extraneous clicks and pops.
LPFLT	39	PLL Loop Filer (Output) - An RC network should be connected between this pin and ground.
RXP7/GPO7 RXP6/GPO6 RXP5/GPO5 RXP4/GPO4 RXP3/GPO3 RXP2/GPO2 RXP1/GPO1	42 43 44 45 46 47 48	S/PDIF Receiver Input/ General Purpose Output (Input/ Output) - Receiver inputs for S/PDIF encoded data. The CS42518 has an internal 8:2 multiplexer to select the active receiver port, according to the Receiver Mode Control 2 resister. These pins can also be configured as general purpose output pins, ADC Overflow indicators or Mute Control outputs according to the RXP/General Purpose Pin Control resisters.
RXP0	49	S/PDIF Receiver Input (Input) - Dedicated receiver input for S/PDIF encoded data.
TXP	50	S/PDIF Transmitter Output (Output) - S/PDIF encoded data output, mapped directly from one of the receiver inputs as indicated by the Receiver Mode Control 2 resister.
VLP	53	Serial Port Interface Power (Input) - Determines the required signal level for the serial port interfaces.
SAI_SDOUT	54	Serial Audio Interface Serial Data Output (Output) - Output for two's complement serial audio PCM data from the S/PDIF incoming stream. This pin can also be configured to transmit the output of the internal and external ADCs.
RMCK	55	Recovered Master Clock (Output) - Recovered master clock output from the External Clock Reference

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-19

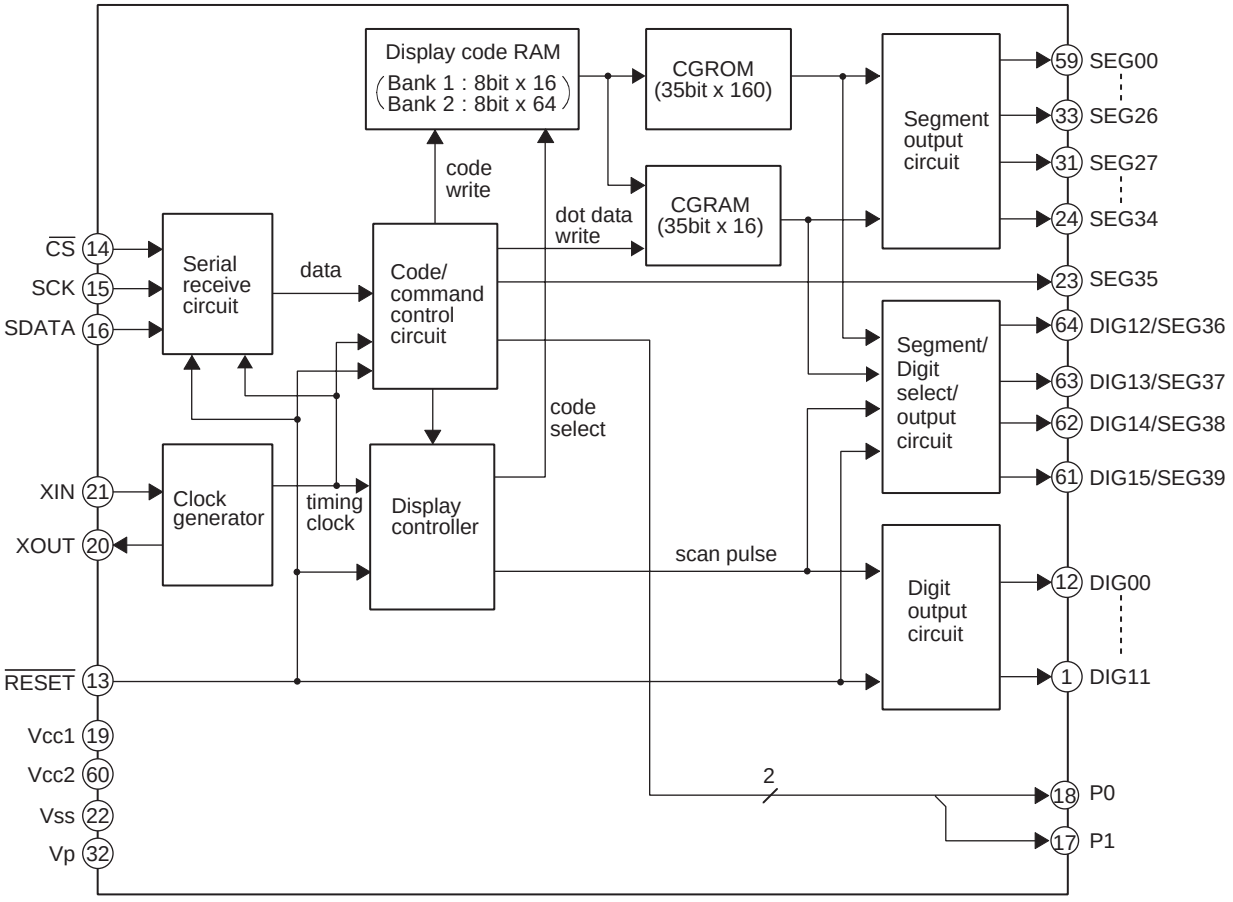
Q421 : CS42518 (8-Ch Codec with S/PDIF Receiver)-4/4

Pin Name	#	Pin Description
CL_SDOUT	56	CODEC Serial Data Output (Output) - Output for two's complement serial audio data the internal and external ADCs.
ADCIN1 ADCIN2	58 57	External ADC Serial Input (Input) - The CS42518 provides for up two external stereo analog to digital converter inputs to provide a maximum of six channels on serial data output line when the CS42518 is placed in One Line mode.
OMCK	59	External Reference Clock (Input) - External clock reference that must be within the ranges specified in currently active on the serial audio data line.
SAI_LRCK	60	Serial Audio Interface Left/Right Clock (Input/Output) - Determines which channel, Left of Right, is currently active on the serial audio data line.
SAI_LRCK	61	Serial Audio Interface Serial Clock (Input/Output) - Serial clock for the Serial Audio Interface

IC BLOCK DIAGRAM AND TERMINAL DESCRIPTIONS-20

Q802: M66005 (FL tube driver)

BLOCK DIAGRAM



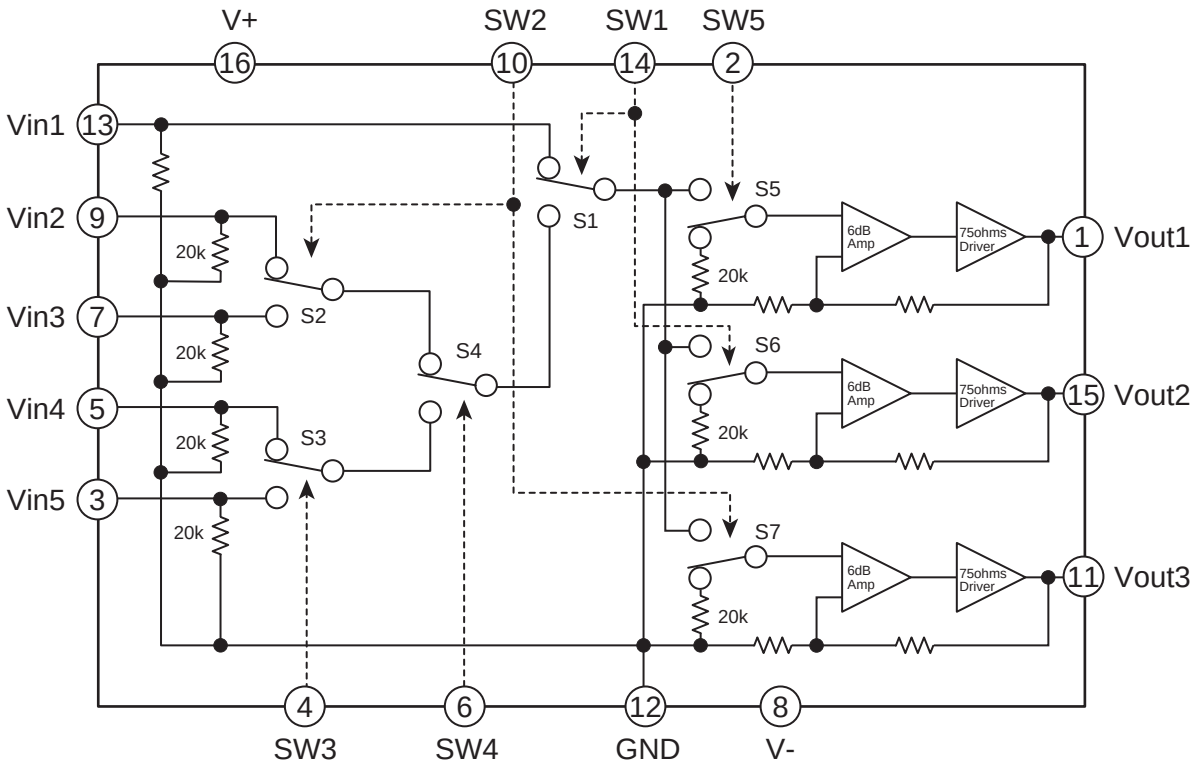
TERMINAL DESCRIPTION

PIN NO.	SYMBOL	PIN NAME	DESCRIPTION
13	$\overline{\text{RESET}}$	Reset input	This pin is used to initialize the internal state of the M66004.
14	$\overline{\text{CS}}$	Chip select input	"L" : Communication with the MCU is possible. "H" : Any instruction from the MCU is neglected.
15	SCK	Shift clock input	At the rising edge from "L" to "H", input data is shifted.
16	SDATA	Serial data input	Character code or command data to display is input from MSB.
21, 20	XIN, XOUT	Clock input Clock output	This pin is used to connect a resister and a capacitor externally to set oscillation frequency.
1~12 61~64	DIG00 ~ DIG15	Digit output	These pins are used to connect to digit pins of VFD.
23~31 33~59	SEG00 ~ SEG39	Segment output	These pins are used to connect to segment pins of VFD.
17, 18	P0, P1		Output port (static operation)
19	VCC1		Positive power supply for internal logic.
60	VCC2		Positive power supply for high-pressure-resistant output port.
22	VSS		GND
32	VP		Negative power supply for VFD drive.

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-21

Q2002, 2003: NJM2595(5-INPUT 3-OUTPUT VIDEO SWITCH)

BLOCK DIAGRAM



TRUTH TABLE

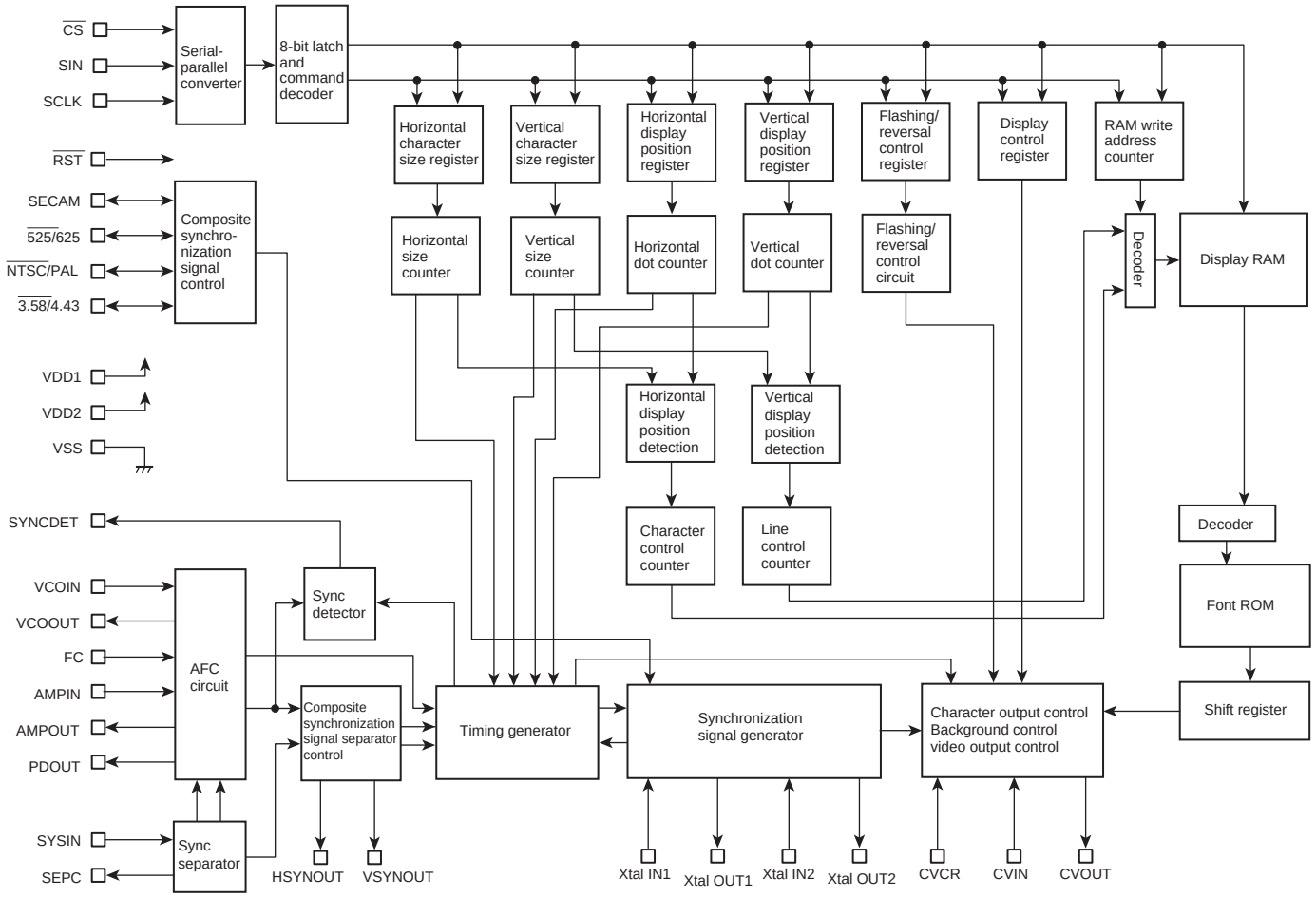
Control Signal vs. Output Signal (L=VCL, H=VCH, X=L or H)

SW1	SW2	SW3	SW4	SW5	Vout1	Vout2	Vout3
L	H	X	X	H	Vin1	MUTE	Vin1
	L			H	Vin1	MUTE	MUTE
	H			L	MUTE	MUTE	Vin1
H	L	X	L	H	Vin2	Vin2	MUTE
				L	MUTE	Vin2	MUTE
H	H	X	L	H	Vin3	Vin3	Vin3
				L	MUTE	Vin3	Vin3
H	H	L	H	H	Vin4	Vin4	Vin4
	H			L	MUTE	Vin4	Vin4
	L			H	Vin4	Vin4	MUTE
	L			L	MUTE	Vin4	MUTE
H	H	H	H	H	Vin5	Vin5	Vin5
	H			L	MUTE	Vin5	Vin5
	L			H	Vin5	Vin5	MUTE
	L			L	MUTE	Vin5	MUTE
L	L	X	X	L	MUTE	MUTE	MUTE

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-22

Q2004: LC74763-9836 (On-Screen Display IC) -1/2

BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-23

Q2004: LC74763-9836 (On-Screen Display IC) -2/2

TERMINAL DESCRIPTION

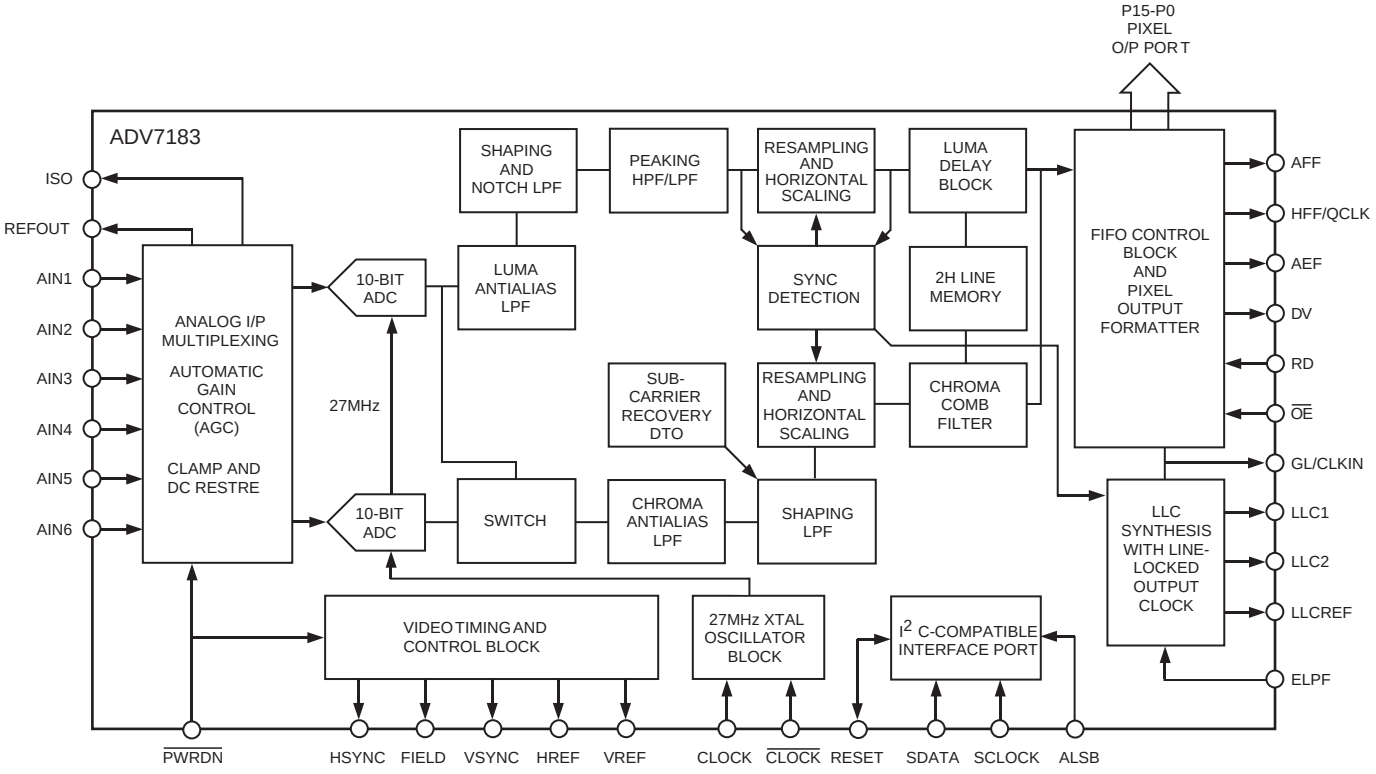
Pin No.	Symbol	Function	Description
1	V_{SS}	Ground	Ground connection
2	$Xtal_{IN1}$	Crystal oscillator connection	Connection for the crystal and capacitor used to form the crystal oscillator that generates the internal synchronization signal. The oscillator can be selected with a command switch.
3	$Xtal_{OUT1}$		
4	$HSYNC_{OUT}$	Horizontal synchronization output	Outputs the horizontal synchronization signal (AFC). The output polarity can be selected (metal option). Also functions as general output port (command switch).
5	$Xtal_{IN2}$	Crystal oscillator connection	Connection for the crystal and capacitor used to form the crystal oscillator that generates the internal synchronization signal.
6	$Xtal_{OUT2}$		
7	$VSYNC_{OUT}$	Vertical synchronization output	Outputs the vertical synchronization signal. The output polarity can be selected (metal option). Also functions as general output port (command switch).
8	$\overline{CS}$	Enable input	Enables/disables serial data input. Serial data is enabled when this pin is low (hysteresis input). Pull-up resistor built in (metal option).
9	SIN	Data input	Serial data input (hysteresis input). Pull-up resistor built in (metal option).
10	SCLK	Clock input	Clock input for serial data input (hysteresis input). Pull-up resistor built in (metal option).
11	SECAM	SECAM mode switch input/ output (command switch)	During input, switches between SECAM and other modes. During output, functions as general output port or internal V output (command switch). Low = other modes, high = SECAM mode
12	$\overline{525}$/625	525/625 switch input/output (command switch)	During input, switches between 525 scan lines and 625 scan lines. During output, functions as general output port or character data output (command switch). Low = 525 lines, high = 625 lines
13	$\overline{NTSC}$/PAL	NTSC/PAL switch input/output (command switch)	Switches the color mode between NTSC and PAL. During output, functions as general output port or frame data output (command switch). Low = NTSC, high = PAL
14	$\overline{3.58}$/4.43	3.58/4.43 switch input/output (command switch)	Switch FSC between 3.58 MHz and 4.43 MHz. During output, functions as general output port or halftone output (command switch). Low = 3.58, high = 4.43
15	$\overline{RST}$	Reset input	System reset input pin, low is active (hysteresis input). Pull-up resistor built in (metal option).
16	CV_{OUT}	Video signal output	Composite video output
17	V_{DD2}	Power supply connection	Power supply connection for composite video signal level generation
18	CV_{IN}	Video signal input	Composite video input
19	CV_{CR}	Video signal input	SECAM chroma signal input
20	$SYNC_{IN}$	Sync separator circuit input	Built-in sync separator circuit video signal input
21	SEP_{C}	Sync separator circuit	Built-in sync separator circuit
22	V_{SS}	Ground	Ground connection
23	PD_{OUT}	Control voltage output	AFC control voltage output
24	AMP_{IN}	AFC filter connection	Filter connection
25	AMP_{OUT}		
26	FC	Control voltage input	AFC control voltage input
27	VCO_{IN}	LC oscillator connection	VCO LC oscillator circuit coil and capacitor connection
28	VCO_{OUT}		
29	$SYNC_{DET}$	External synchronization signal detection output	Outputs the exclusive NOR of the horizontal synchronization signal (AFC) and CSYNC (sync separator). The output polarity can be selected (metal option). Also functions as general output port (command switch).
30	V_{DD1}	Power supply connection	Power supply connection (+5 V: digital system power supply)

IC BLOCK DIAGRAM AND TERMINAL DESCRIPTIONS-24

Q2101: ADV7183

(Advanced Video Decoder with 10-Bit ADC and Component Input Support)-1/3

BLOCK DIAGRAM



IC BLOCK DIAGRAM AND TERMINAL DESCRIPTIONS-25

Q2101: ADV7183

(Advanced Video Decoder with 10-Bit ADC and Component Input Support)-2/3

TERMINAL DESCRIPTION

Pin	Mnemonic	Input/Output	Function
1	VS/VACTIVE	O	VS or Vertical Sync. A dual-function pin, (OM_SEL[1:0] = 0, 0) is an output signal that indicates a vertical sync with respect to the YUV pixel data. The active period of this signal is six lines of video long. The polarity of the VS signal is controlled by the PVS bit. VACTIVE (OM_SEL[1:0] = 1, 0 or 0, 1) is an output signal that is active during the active/viewable period of a video field. The polarity of VACTIVE is controlled by PVS bit.
2	HS/HACTIVE	O	HS or Horizontal Sync. A dual-function pin, (OM_SEL[1:0] = 0, 0) is a programmable horizontal sync output signal. The rising and falling edges can be controlled by HSB[9:0] and HSE[9:0] in steps of 2 LLC1. The polarity of the HS signal is controlled by the PHS bit. HACTIVE (OM_SEL[1:0]= 1, 0 or 0, 1) is an output signal that is active during the active/viewable period of a video line. The active portion of a video line is programmable on the ADV7183. The polarity of HACTIVE is controlled by PHS bit.
3, 14	DVSSIO	G	Digital I/O Ground
4, 15	DVDDIO	P	Digital I/O Supply Voltage (3.3 V)
5-8, 19-24, 32, 33, 73-76	P15-P0	O	Video Pixel Output Port. 8-bit multiplexed YCrCb pixel port (P15-P8), 16-bit YCrCb pixel port (P15-P8 = Y and P7-P0 = Cb,Cr).
9, 31, 71	DVSS1-3	G	Ground for Digital Supply
10, 30, 72	DVDD1-3	P	Digital Supply Voltage (3.3 V)
11	AFF	O	Almost Full Flag. A FIFO control signal indicating when the FIFO has reached the almost full margin set by the user (use FFM[4:0]). The polarity of this signal is controlled by the PFF bit.
12	HFF/QCLK/GL	I/O	Half Full Flag. A multifunction pin, (OM_SEL[1:0] = 1, 0) is a FIFO control signal that indicates when the FIFO is half full. The QCLK (OM_SEL[1:0] = 0, 1) pin function is a qualified pixel output clock when using FIFO SCAPI mode. The GL (OM_SEL[1:0] = 0, 0) function (Genlock output) is a signal that contains a serial stream of data that contains information for locking the subcarrier frequency. The polarity of HFF signal is controlled by PFF bit.
13	AEF	O	Almost Empty Flag. A FIFO control signal, it indicates when the FIFO has reached the almost empty margin set by the user (use FFM[4:0]). The polarity of this signal is controlled by PFF bit.
16	CLKIN	I	Asynchronous FIFO Clock. This asynchronous clock is used to output data onto the P19-P0 bus and other control signals.
17, 18, 34, 35	GPO[3:0]	O	General-Purpose Outputs controlled via I^2C
25	LLCREF	O	Clock Reference Output. This is a clock qualifier distributed by the internal CGC for a data rate of LLC2. The polarity of LLCREF is controlled by the PLLCREF bit.
26	LLC2	O	Line-Locked Clock System Output Clock/2 (13.5 MHz)
27	LLC1/PCLK	O	Line-Locked Clock System Output Clock. A dual-function pin (27 MHz ± 5%) or a FIFO output clock ranging from 20 MHz to 35 MHz.
28	XTAL1	O	Second terminal for crystal oscillator; not connected if external clock source is used.
29	XTAL	I	Input terminal for 27MHz crystal oscillator or connection for external oscillator with CMOS-compatible square wave clock signal
36	$\overline{\text{PWRDN}}$	I	Power-Down Enable. A logical low will place part in a power-down status.
37	ELPF	I	This pin is used for the External Loop Filter that is required for the LLC PLL.
38	PVDD	P	
39	PVSS	G	

IC BLOCK DIAGRAM AND TERMINAL DESCRIPTIONS-26

Q2101: ADV7183

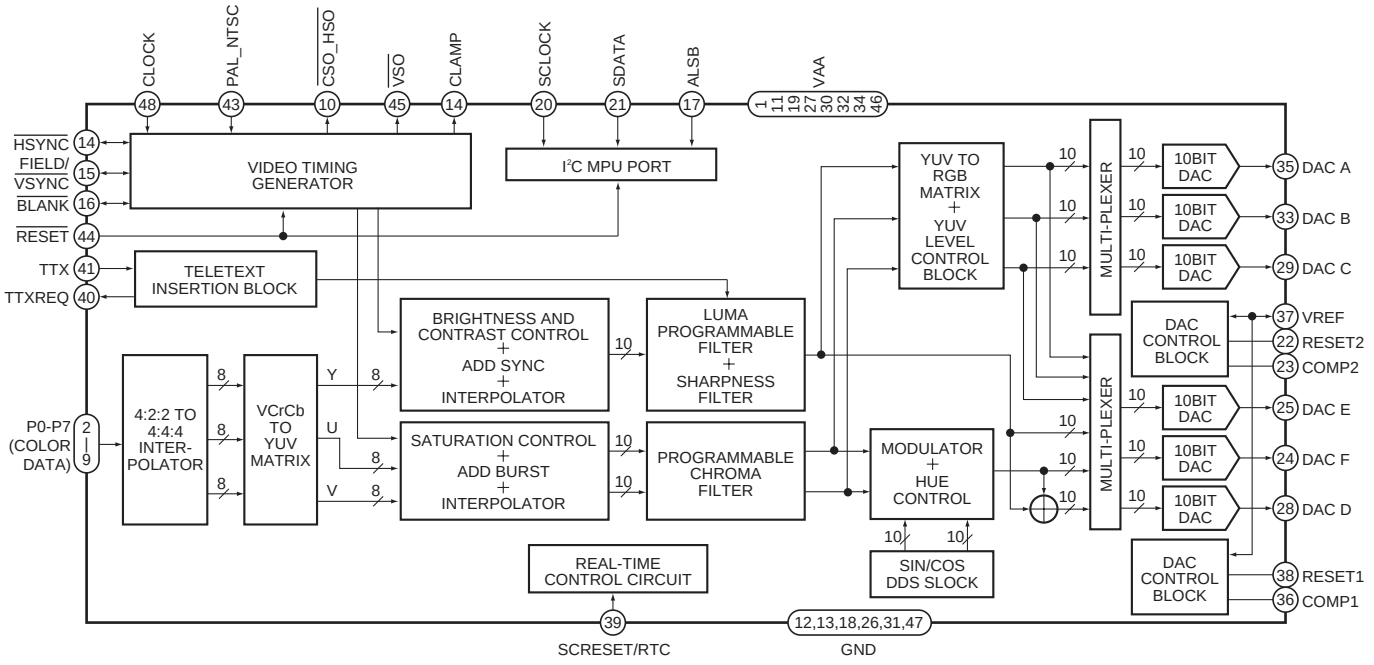
(Advanced Video Decoder with 10-Bit ADC and Component Input Support)-3/3

Pin	Mnemonic	Input/Output	Function
40, 47, 53, 56, 63	AVSS	G	Ground for Analog Supply
41, 43, 45, 57, 59, 61	AVSS1-6	G	Analog Input Channels. Ground if single-ended mode is selected. These pins should be connected directly to REFOUT when differential mode is selected.
42, 44, 46, 58, 60, 62	AIN1-6	I	Video Analog Input Channels
48, 49	CAPY1-2	I	ADC Capacitor Network
50	AVDD	P	Analog Supply Voltage (5 V)
51	REFOUT	O	Internal Voltage Reference Output
52	CML	O	Common-Mode Level for ADC
54, 55	CAPC1-2	I	ADC Capacitor Network
64	$\overline{\text{RESET}}$	I/O	System Reset Input. Active Low.
65	ISO	I	Input Switch Over. A low to high transition on this input indicates to the decoder core that the input video source has been changed externally and configures the decoder to reacquire the new timing information of the new source. This is useful in applications where external video muxes are used. This input gives the advantage of faster locking to the external muxed video sources. A low to high transition triggers this input.
66	ALSB	I	TTL Address Input. Selects the MPU address: MPU address = 88h ALSB = 0, disables I^2C filter MPU address = 8Ah ALSB = 1, enables I^2C filter
67	SDATA	I/O	MPU Port Serial Data Input/Output
68	SCLK	I	MPU Port Serial Interface Clock Input
69	VREF/$\overline{\text{VRESET}}$	O	VREF or Vertical Reference Output Signal. Indicates start of next field. $\overline{\text{VRESET}}$ or Vertical Reset Output is a signal that indicates the beginning of a new field. In SCAPI/CAPI mode this signal is one clock wide and active low relative to CLKIN. It immediately follows the $\overline{\text{HRESET}}$ pixel, and indicates that the next active pixel is the first active pixel of the next field.
70	HREF/$\overline{\text{HRESET}}$	O	HREF or Horizontal Reference Output Signal. A dual-function pin (enabled when Line-Locked Interface is selected, OM_SEL[1:0] = 0,0), this signal is used to indicate data on the YUV output. The positive slope indicates the beginning of a new active line; HREF is always 720 Y samples long. $\overline{\text{HRESET}}$ or Horizontal Reset Output (enabled when SCAPI or CAPI is selected, OM_SEL[1:0] = 0, 1 or 1, 0) is a signal that indicates the beginning of a new line of video. In SCAPI/CAPI this signal is one clock cycle wide and is output relative to CLKIN. It immediately follows the last active pixel of a line. The polarity is controlled via PHVR.
77	RD	I	Asynchronous FIFO Read Enable Signal. A logical high on this pin enables a read from the output of the FIFO.
78	DV	O	DV or Data Valid Output Signal. In SCAPI/CAPI mode, DV performs to functions, depending on whether SCAPI or CAPI is selected. It toggles high when the FIFO has reached the AFF margin set by the user, and remains high until the FIFO is empty. The alternative mode is where it can be used to control FIFO reads for bursting information out of the FIFO. In API mode DV indicates valid data in the FIFO, which includes both pixel information and control codes. The polarity of this pin is controlled via PDV.
79	OE	I	Output Enable Controls Pixel Port Outputs. A logic high will three-state P19-P0.
80	FIELD	O	ODD/EVEN Field Output Signal. An active state indicates that an even field is being digitized. The polarity of this signal is controlled by the PF bit.

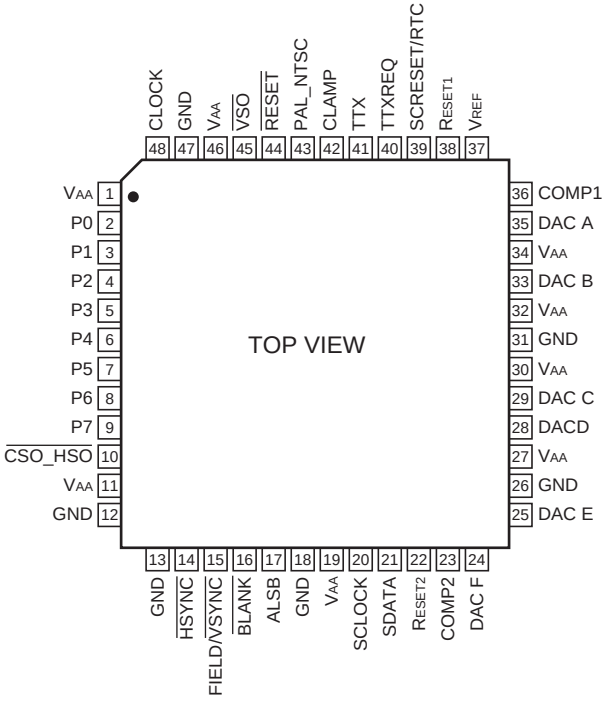
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-27

Q2104: ADV7172 (Digital PAL/NTSC Video Encoder with Six DACs (10 Bits))-1/2

BLOCK DIAGRAM



PIN LAYOUT



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-28

Q2104: ADV7172 (Digital PAL/NTSC Video Encoder with Six DACs (10 Bits))-2/2

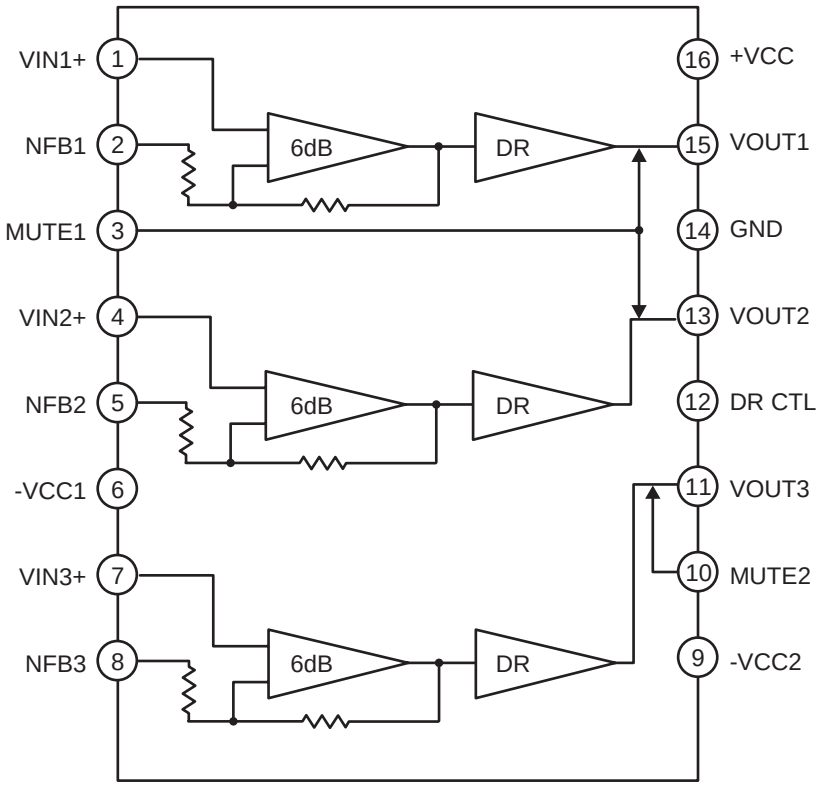
TERMINAL DESCRIPTION

No.	Name	I/O	Description
9-2	P7-P0	I	8-Bit 4:2:2 Multiplexed YCrCb Pixel Port (P7-P0) P0 represents the LSB.
48	CLOCK	I	TTL Clock Input. Requires a stable 27 MHz reference clock for standard operation. Alternatively, a 24.5454 MHz (NTSC) or 29.5 MHz (PAL) can be used for square pixel operation.
14	$\overline{\text{HSYNC}}$	I/O	$\overline{\text{HSYNC}}$ (Modes 1 and 2) Control Signal. This pin may be configured to output (Master Mode) or as an input and accept (Slave Mode) Sync signals.
15	FIELD/$\overline{\text{VSYNC}}$	I/O	Dual Function FIELD (Mode 1) and $\overline{\text{VSYNC}}$ (Mode 2) Control Signal. This pin may be configured to output (Master Mode) or as an input (Slave Mode) and accept these control signals.
16	$\overline{\text{BLANK}}$	I/O	Video Blanking Control Signal. The pixel inputs are ignored when this is Logic Level "0" This signal is optional.
39	SCRESET/RTC	I	This pin can be configured as an input by setting MR42 and MR41 of Mode Register 4. It can be configured as a subcarrier reset pin, in which case a low-to-high transition on this pin will reset the subcarrier phase to Field 0. Alternatively it may be configured as a Real-Time Control (RTC) Input.
37	V_{REF}	I/O	Voltage Reference Input for DACs or Voltage Reference Output (1.235 V).
38	R_{SET1}	I	A 150 ohms resistor connected from this pin to GND is used to control full-scale amplitudes the Video Signals from DACs A, B, and C (the "large" DACs).
22	R_{SET2}	I	A 600 ohms resistor connected from this pin to GND is used to control full-scale amplitudes the Video Signals from DACs D, E, and F (the "small" DACs).
36	COMP1	O	Compensation Pin for DACs A, B, and C. Connect a 0.1 uF Capacitor from COMP to V_{AA}. For Optimum Dynamic Performance in Low Power Mode, the value of the COMP1 capacitor can be lowered to as low as 2.2 nF.
23	COMP2	O	Compensation Pin for DACs D, E, and F. Connect a 0.1 uF Capacitor from COMP to V_{AA}.
35	DAC A	O	GREEN/Composite/Y Analog Output. This DAC is capable of providing 34.66 mA output.
33	DAC B	O	BLUE/S-Video Y/U Analog Output. This DAC is capable of providing 34.66 mA output.
29	DAC C	O	RED/S-Video C/V Analog Output. This DAC is capable of providing 34.66 mA output.
28	DAC D	O	GREEN/Composite/Y Analog Output. This DAC is capable of providing 8.66 mA output.
25	DAC E	O	BLUE/S-Video Y/U Analog Output. This DAC is capable of providing 8.66 mA output.
24	DAC F	O	RED/S-Video C/V Analog Output. This DAC is capable of providing 8.66 mA output.
20	SCLOCK	I	MPU Port Serial Interface Clock Input.
21	SDATA	I/O	MPU Port Serial Data Input/Output.
42	CLAMP	O	TTL Output Signal to external circuitry to enable clamping of all video signals.
43	PAL_NTSC	I	Input signal to select PAL or NTSC mode of operation, pin set to Logic "1" selects PAL.
45	$\overline{\text{VSO}}$	O	$\overline{\text{VSO}}$ TTL Output Sync Signal.
10	$\overline{\text{CSO\_HSO}}$	O	Dual Function $\overline{\text{CSO}}$ or $\overline{\text{HSO}}$ TTL Output Sync Signal.
17	ALSB	I	TTL Address Input. This signal sets up the LSB of the MPU address.
44	$\overline{\text{RESET}}$	I	The input resets the on-chip timing generator and sets the ADV7172/ADV7173 into default mode. This is NTSC operation, Timing Slave Mode 0, DACs A, B, and C powered OFF, DACs D, E, and F powered ON, Composite and S-Video out.
41	TTX	I	Teletext Data Input Pin.
40	TTXREQ	O	Teletext Data Request output signal used to control teletext data transfer.
1, 11, 19, 27, 30, 32, 34, 46	V_{AA}	P	Power Supply (3 V to 5 V).
12, 13, 18, 26, 31, 47	GND	G	Ground Pin.

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-29

Q2106, 2107: LA7106M (6ch AMP + Driver)

BLOCK DIAGRAM



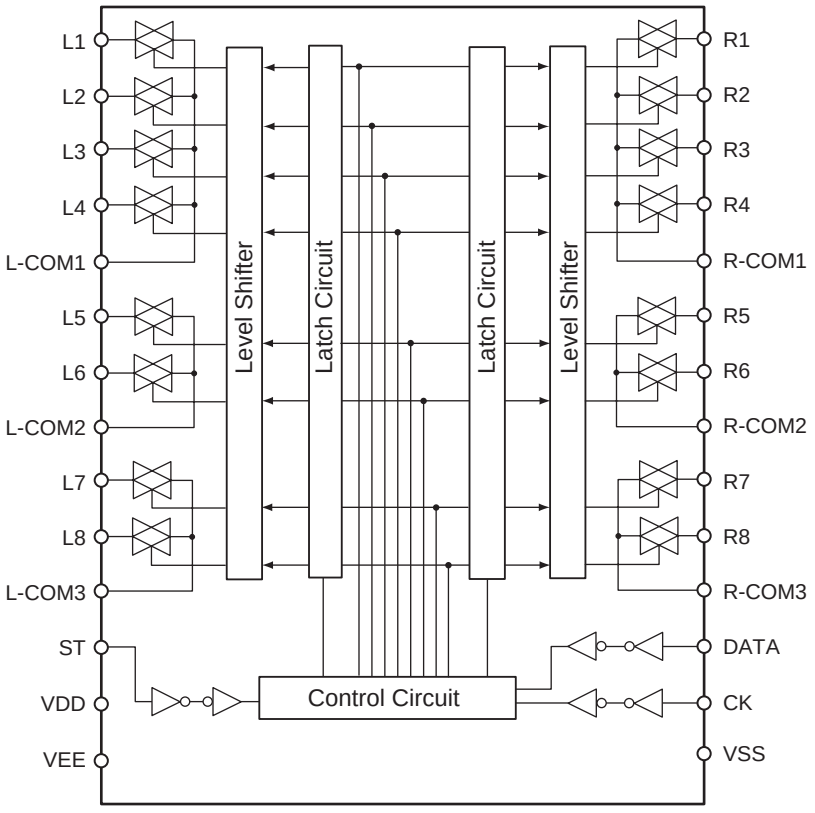
TRUTH TABLE

	Pins 3 , 10	Pins 12
H	Throuth	150 ohm Driver
L	Mute	75 ohm Drive

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-30

Q2111: NJU7313AM (Analog Function Switch)

BLOCK DIAGRAM



TERMINAL DESCRIPTION

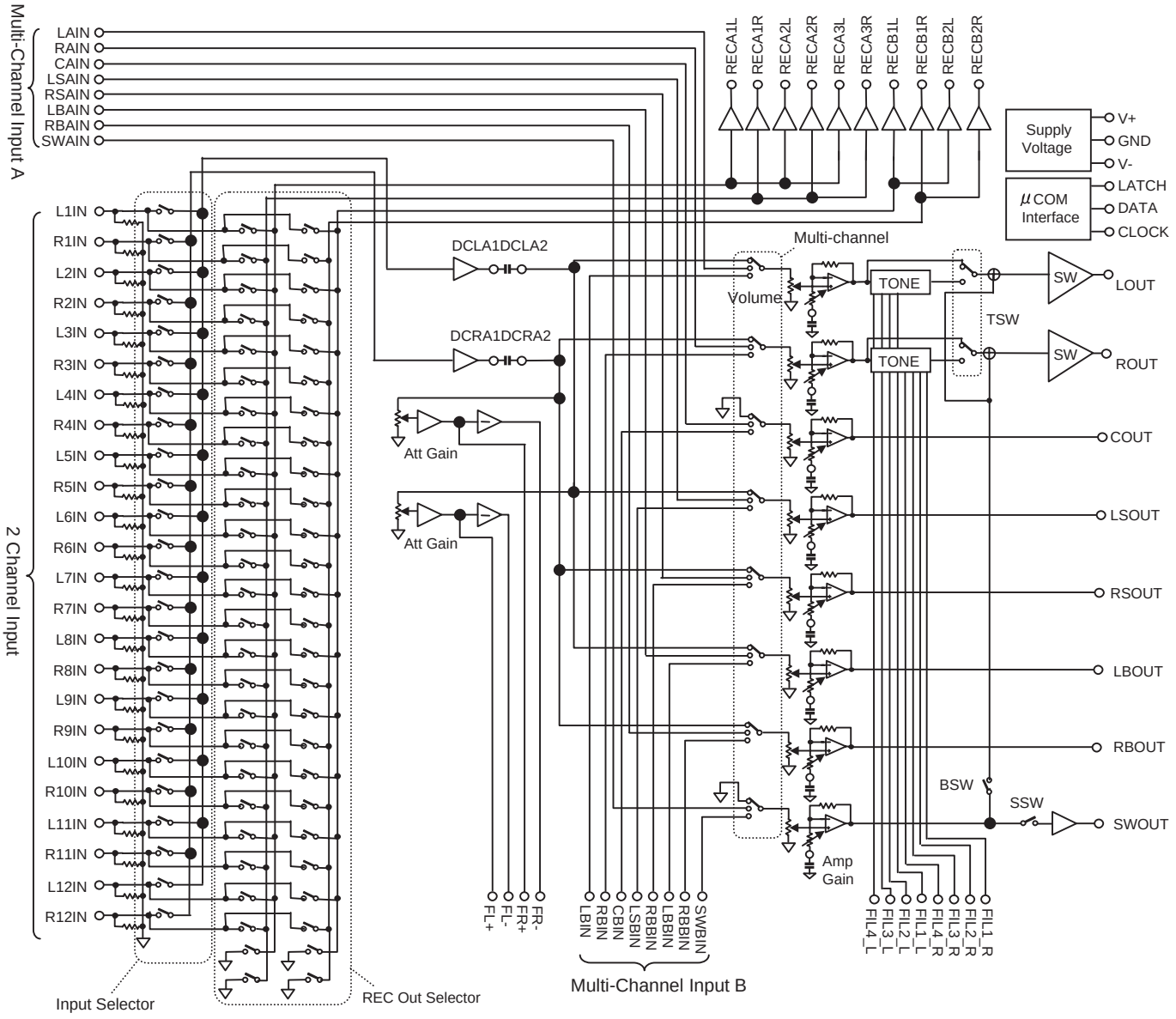
Pin No.	Pin Name	Description
1	VEE	Negative Voltage Supply
2	L1	Analog switch input/output
3	L2	Analog switch input/output
4	L3	Analog switch input/output
5	L4	Analog switch input/output
6	L-COM1	L1, L2, L3, L4 Common
7	L5	Analog switch input/output
8	L6	Analog switch input/output
9	L-COM2	L5, L6 common
10	L7	Analog switch input/output
11	L8	Analog switch input/output
12	L-COM3	L7, L8 Common
13	ST	Chip enable
14	VSS	GND

Pin No.	Pin Name	Description
15	CK	Clock input
16	DATA	Data input
17	R-COM3	R7, R8 Common
18	R8	Analog switch input/output
19	R7	Analog switch input/output
20	R-COM2	R5, R6 Common
21	R6	Analog switch input/output
22	R5	Analog switch input/output
23	R-COM1	R1, R2, R3, R4 Common
24	R4	Analog switch input/output
25	R3	Analog switch input/output
26	R2	Analog switch input/output
27	R1	Analog switch input/output
28	VDD	Positive voltage supply

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-31

Q5501: NJW1157(8-CHANNEL ELECTRONIC VOLUME WITH INPUT SELECTOR)-1/2

BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-32

Q5501: NJW1157(8-CHANNEL ELECTRONIC VOLUME WITH INPUT SELECTOR)-2/2

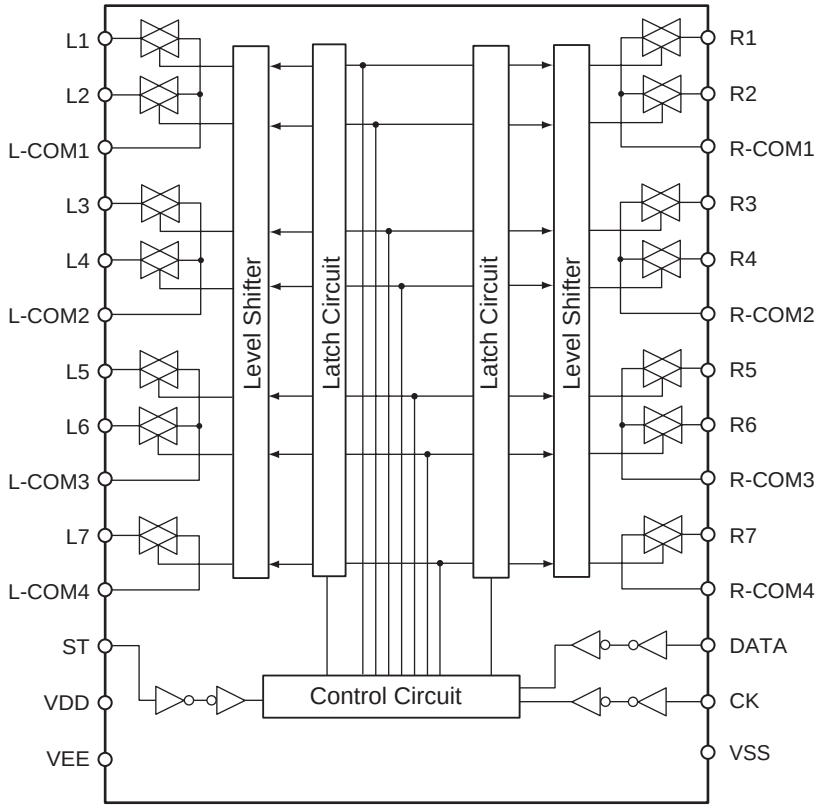
TERMINAL DESCRIPTON

No.	SYMBOL	FUNCTION	No.	SYMBOL	FUNCTION
1	LOUT	Lch output	51	L1IN	"Input selector" Lch input 1
2	ROUT	Rch output	52	R1IN	"Input selector" Rch input 1
3	COUT	Cch output	53	L2IN	"Input selector" Lch input 2
4	LSOUT	LSch output	54	R2IN	"Input selector" Rch input 2
5	RSOUT	RSch output	55	L3IN	"Input selector" Lch input 3
6	LBOUT	LBch output	56	R3IN	"Input selector" Rch input 3
7	RBOUT	RBch output	57	L4IN	"Input selector" Lch input 4
8	SWOUT	SWch output	58	R4IN	"Input selector" Rch input 4
9	DC_L1	Lch Bass filter DC cut capacitor output terminal	59	L5IN	"Input selector" Lch input 5
10	DC_L2	Lch Bass filter DC cut capacitor input terminal	60	R5IN	"Input selector" Rch input 5
11	FIL_BL	Lch Bass filter terminal	61	L6IN	"Input selector" Lch input 6
12	FIL_TL	Lch Treble filter terminal	62	R6IN	"Input selector" Rch input 6
13	DC_R1	Rch Bass filter DC cut capacitor output terminal	63	L7IN	"Input selector" Lch input 7
14	DC_R2	Rch Bass filter DC cut capacitor input terminal	64	R7IN	"Input selector" Rch input 7
15	FIL_BR	Rch Bass filter terminal	65	L8IN	"Input selector" Lch input 8
16	FIL_TR	Rch Treble filter terminal	66	R8IN	"Input selector" Rch input 8
17	N.C.	No Connect	67	L9IN	"Input selector" Lch input 9
18	N.C.	No Connect	68	R9IN	"Input selector" Rch input 9
19	V+	+ Power supply voltage input	69	L10IN	"Input selector" Lch input 10
20	V-	- Power supply voltage input	70	R10IN	"Input selector" Rch input 10
21	REC_A1L	"Input selector" Lch REC output A1	71	L11IN	"Input selector" Lch input 11
22	REC_A1R	"Input selector" Rch REC output A1	72	R11IN	"Input selector" Rch input 11
23	REC_A2L	"Input selector" Lch REC output A2	73	L12IN	"Input selector" Lch input 12
24	REC_A2R	"Input selector" Rch REC output A2	74	R12IN	"Input selector" Rch input 12
25	REC_A3L	"Input selector" Lch REC output A3	75	N.C.	No Connect
26	REC_A3R	"Input selector" Rch REC output A3	76	DGND	Digital Ground
27	REC_B1L	"Input selector" Lch REC output B1	77	DATA	Control data signal input
28	REC_B1R	"Input selector" Rch REC output B1	78	CLOCK	Clock signal input
29	REC_B2L	"Input selector" Lch REC output B2	79	LATCH	Latch signal input
30	REC_B2R	"Input selector" Rch REC output B2	80	LAIN	Multi-channel Lch input A
31	DCCAP_L	Switching noise rejection capacitor	81	RAIN	Multi-channel Rch input A
32	DCCAP_R	Switching noise rejection capacitor	82	CAIN	Multi-channel Cch input A
33	DCCAP_C	Switching noise rejection capacitor	83	LSAIN	Multi-channel LSch input A
34	GND	Ground	84	RSAIN	Multi-channel RSch input A
35	GND	Ground	85	LBAIN	Multi-channel LBch input A
36	DCCAP_LS	Switching noise rejection capacitor	86	RBAIN	Multi-channel RBch input A
37	DCCAP_RS	Switching noise rejection capacitor	87	SWAIN	Multi-channel SWch input A
38	DCCAP_LB	Switching noise rejection capacitor	88	LBIN	Multi-channel Lch input B
39	DCCAP_RB	Switching noise rejection capacitor	89	RBIN	Multi-channel Rch input B
40	DCCAP_SW	Switching noise rejection capacitor	90	CBIN	Multi-channel Cch input B
41	DCL_OUT	"Input selector" Lch output	91	LSBIN	Multi-channel LSch input B
42	DCL_IN	"Multi-channel selector" Lch input	92	RSBIN	Multi-channel RSch input B
43	DCR_OUT	"Input selector" Rch output	93	LBBIN	Multi-channel LBch input B
44	DCR_IN	"Multi-channel selector" Rch input	94	RBBIN	Multi-channel RBch input B
45	FL+	"Input selector gain control" Lch no-inverted output	95	SWBIN	Multi-channel SWch input B
46	FL-	"Input selector gain control" Lch inverted output	96	GND	Ground
47	FR+	"Input selector gain control" Rch no-inverted output	97	GND	Ground
48	FR-	"Input selector gain control" Rch inverted output	98	VSSOUT2	Internal Digital -Power Supply Output 2
49	VDDOUT	Internal Digital +Power Supply Output	99	VDDOUT2	Internal Digital +Power Supply Output 2
50	VSSOUT	Internal Digital -Power Supply Output	100	TCCAP	Switching noise rejection capacitor

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-33

Q5502: NJU7311AM (Analog Function Switch)

BLOCK DIAGRAM



TERMINAL DESCRIPTION

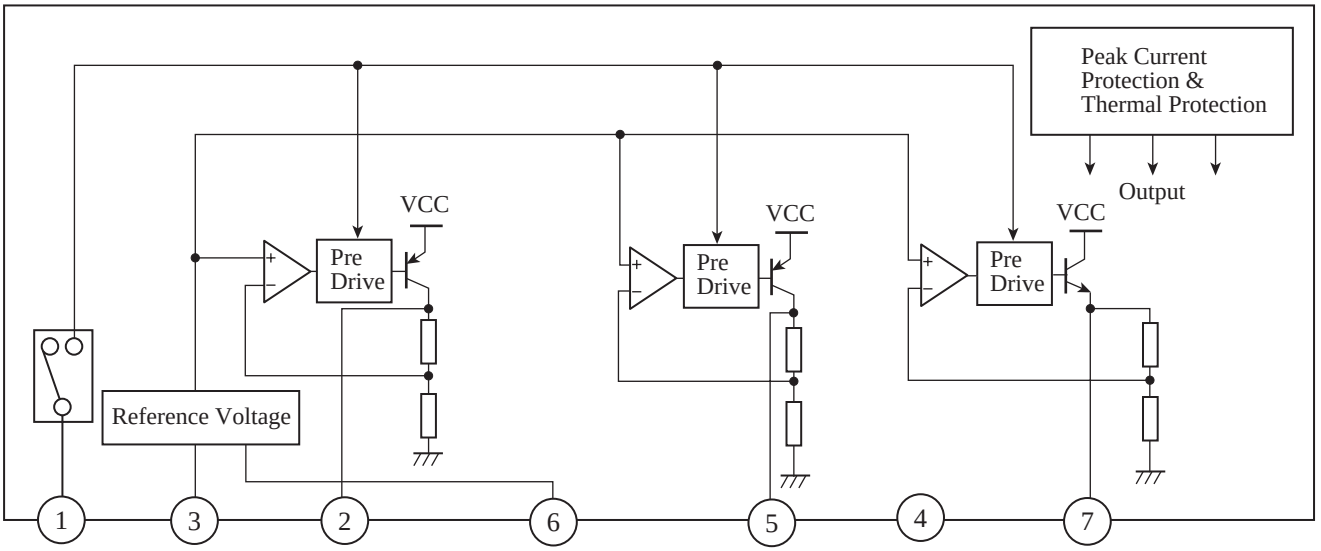
Pin No.	Pin Name	Description
1	VEE	Negative Voltage Supply
2	L1	Analog switch input/output
3	L2	Analog switch input/output
4	L-COM1	L1, L2, Common
5	L3	Analog switch input/output
6	L4	Analog switch input/output
7	L-COM2	L3, L4 common
8	L5	Analog switch input/output
9	L6	Analog switch input/output
10	L-COM3	L5, L6 Common
11	L7	Analog switch input/output
12	L-COM4	L7 Common
13	ST	Chip enable
14	VSS	GND

Pin No.	Pin Name	Description
15	CK	Clock input
16	DATA	Data input
17	R-COM4	R7 Common
18	R7	Analog switch input/output
19	R-COM3	R5, R6 Common
20	R6	Analog switch input/output
21	R5	Analog switch input/output
22	R-COM2	R3, R4 Common
23	R4	Analog switch input/output
24	R3	Analog switch input/output
25	R-COM1	R1, R2, Common
26	R2	Analog switch input/output
27	R1	Analog switch input/output
28	VDD	Positive voltage supply

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-34

Q5640: AN34060A (3 Output Voltage Regulator)

BLOCK DIAGRAM

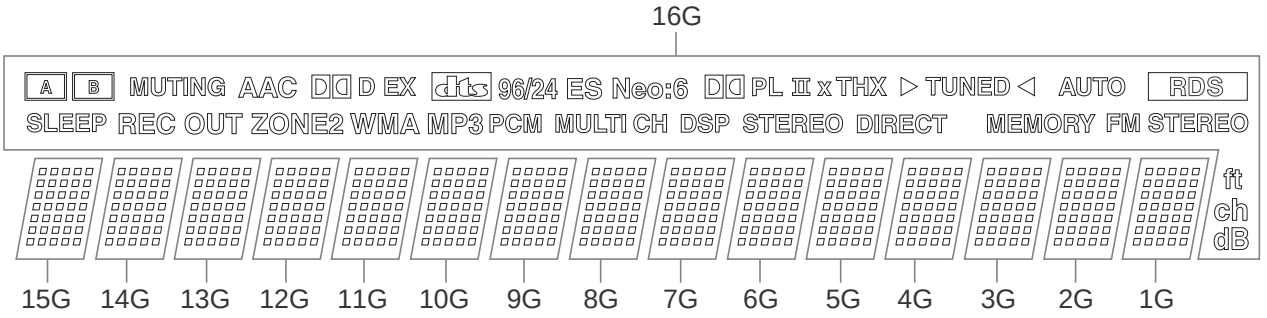


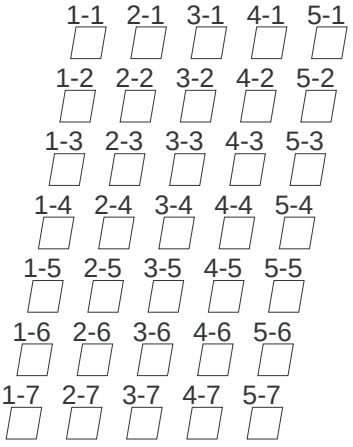
TERMINAL DESCRIPTION

Pin No.	Description	Function
1	MODE 1	WHEN MODE 1 pin is 5V, REG 1 output is "H".
2	REG 1	WHEN MODE 1 pin is "H", REG 1 output is 5.0V ($I_{o1(peak)}$ = 300mA min).
3	VCC	Connected to Power supply
4	GND	Connected to IC substrate
5	REG 2	WHEN MODE 1 pin is "H", REG 2 output is 3.3V ($I_{o2(peak)}$ = 200mA min).
6	VCC	Connected to Power supply
7	REG 3	WHEN MODE 1 pin is "H", REG 3 output is 2.5V ($I_{o3(peak)}$ = 600mA min).

FL TUBE VIEW

Q801: 16BT127GNK





(1G-15G)

	16G	15G-1G
P1	A	1-1
P2	B	2-1
P3	SLEEP	3-1
P4	MUTING	4-1
P5	REC OUT	5-1
P6	ZONE2	1-2
P7	D D	2-2
P8	D	3-2
P9	dts	4-2
P10	ES	5-2
P11	AAC	1-3
P12	MP3	2-3
P13	PCM	3-3
P14	Neo:6	4-3
P15	D D PL	5-3
P16	II	1-4
P17	MULTI CH	2-4
P18	DSP	3-4

	16G	15G-1G
P19	STEREO	4-4
P20	DIRECT	5-4
P21	-	1-5
P22	▷ ◁	2-5
P23	TUNED	3-5
P24	MEMORY	4-5
P25	AUTO	5-5
P26	FM STEREO	1-6
P27	RDS	2-6
P28	ft	3-6
P29	ch	4-6
P30	dB	5-6
P31	THX	1-7
P32	EX	2-7
P33	96/24	3-7
P34	x	4-7
P35	WMA	5-7

MICROPROCESSOR TERMINAL DESCRIPTIONS-1

Q701: M30624MHP-253FPU0

Pin No.	Pin name	I/O	Act.	Description
1	FLDSDO	O	H	Output serial data for control of FL driver IC/ OSD IC.
2	FLDCLK	O	CLK	Output serial clock for control of FL driver IC/ OSD IC.
3	FLDCS	O	H	Output chip select for FL driver IC.
4	FLDRST	O	L	Output reset signal for FL driver IC.
5	FSWSDO	O	H	Output serial data for control of function switch (NJU7311).
6	FSWSTB	O	H	Output strobe for control of function switch (NJU7311).
7	FSWCLK	O	H	Output serial clock for control of function switch (NJU7311).
8	BYTE	---	---	Select of external bus width. Connect to ground.
9	CNVSS	---	---	Select of processor mode.
10	SDET	I	L	Input signal of detection of S video signal.
11	SYNC	I	L	Input signal of detection of synchronizing signal.
12	RESET	I	L	Input signal for system reset.
13	XOUT	---	---	Connected to oscillator.
14	VSS	---	---	Ground.
15	XIN	---	---	Connected to oscillator.
16	VCC1	---	---	Power supply.
17	NU	---	---	Not used.
18	VSUNC	I	L	Input signal of detection of vertical synchronizing signal.
19	REMIN	I	L	Input signal from remote sensor.
20	POFF	I	H	Input signal of power failure detection.
21	DIRINT1	I	H	Not used.
22	DIRINT0	I	H	Input signal of interrupt request detection of DSP C.
23	DIRCS	O	L	Output signal for chip select of DIR/CODEC.
24	DIRRST	O	L	Output signal for reset of DIR/CODEC.
25	DSPFCS	O	L	Output signal for chip select of DSP A/B.
26	DSPCS	O	L	Output signal for chip select of DSP C.
27	VMUT	O	L	Output control signal for video mute.
28	VCRST	O	L	Output reset signal for video decoder/ encoder IC.
29	SCL	O	L	Output serial clock for video decoder/ encoder IC.
30	SDA	I/O	H	Output serial data for video decoder/ encoder IC.
31	FTXD	O	H	For writing of flash microprocessor.
32	FRXD	I	H	For writing of flash microprocessor.
33	FCLK	O	CLK	For writing of flash microprocessor.
34	FBUSY	O	H	Output reset signal for DSPIC.
35	DIGSDO	O	H	Output signal for serial communications with DIR/ CODEC/DSP IC.
36	DIGSDI	I	H	Input signal for serial communications with DIR/ CODEC/DSP IC.
37	DIGCLK	O	CLK	Output clock for serial communications with DIR/ CODEC/DSP IC.
38	DSPBUSY	I	H	Input signal of detect busy signal of DSP C.
39	DSPINT	I	L	Input signal of detect interrupt request signal of DSP C.
40	DSPFINT	I	L	Input signal of detect interrupt request signal of DSP AB.
41	FEPM	O	H	For writing of flash microprocessor.
42	DSPRST	O	L	Output reset signal for DSP IC.
43	VOLSTB	O	H	Output strobe for control of volume IC.
44	VOLCLK	O	CLK	Output serial clock for control of volume IC.
45	VOLDAT	O	H	Output serial data for control of volume IC.
46	FCE	I	H	For writing of flash microprocessor.
47	Z2MUT	O	H	Output signal of zone 2 mute
48	SBZ2MUT	O	H	Output signal of surround back mute.
49	AMUT	O	H	Output signal of audio mute.
50	SPRLB	O	H	Output control signal for relay drive of speakers-B.

MICROPROCESSOR TERMINAL DESCRIPTIONS-2

Q701: M30624MHP-253FPU0

Pin No.	Pin name	I/O	Act.	Description
51	SPRLSB	O	H	Output control signal for relay drive of surround back speakers.
52	SPRLCS	O	H	Output control signal for relay drive of center and surround speakers.
53	SPRLF	O	H	Output control signal for relay drive of front speakers.
54	TUMUT	O	H	Output signal of tuner mute.
55	PLLCE	O	H	Output chip enable for PLL IC of tuner.
56	PLLSDO	O	H	Output serial data for PLL IC of tuner.
57	PLLCLK	O	CLK	Output serial clock for PLL IC of tuner.
58	STEREO/PLLSDI	I	L	Input detection of stereo signal, and serial data of PLL IC.
59	SD	I	L	Input detection signal of demodulation of tuner.
60	VPOWER	O	H	Output control signal of power supply of the video circuit.
61	APOWER	O	H	Output control signal of main power supply.
62	VCC2	---	---	Power supply.
63	SEC1H	O	H	Output control signal for power supply of amplifier section.
64	VSS	---	---	Ground.
65	VOLH	I	A/D	Input detection signal of speaker output level.
66	THERMAL	I	A/D	Input detection signal of thermal detection.
67	PROTECT	I	H	Input detection signal of over current of speaker output.
68	FANCTRL	O	L	Output control signal of cooling fan. Function control.
69	FANH	O	L	Output control signal of cooling fan. Speed control.
70	TRGZ2	O	H	Output of 12V trigger out/ zone 2 signal.
71	RDSDAT	I	H	Input serial data of RDS. MPP (European model) only.
72	RDSSIG	I	H	Input detection signal of demodulation of RDS. MPP (European model) only.
73	SYSIN	I	H	Input signal of RI (system control).
74	NU	---	---	Not used.
75	~RDSCLK	I	L	Input serial clock of RDS. MPP (European model) only.
76	~SYSOUT	O	L	Output signal of RI (system control).
77	LEDPURE	O	H	Output control signal of pure audio LED. Except MDD (USA model).
78	LEDZONE2	O	H	Output control signal of zone 2 LED
79	LEDSTBY	O	L	Output control signal of Standby LED.
80	HPRL	O	H	Output control signal for relay drive of headphone.
81	HPDET	I	H	Input detection signal of headphone state.
82	MICDET	I	L	Input detection signal of setup mic state.
83	VOLB	I	H	Input signal of rotary encoder.
84	VOLA	I	H	Input signal of rotary encoder.
85	INIT3	I	A/D	For initial setting-3.
86	INIT2	I	A/D	For initial setting-2.
87	INIT1	I	A/D	For initial setting-1.
88	BAND	I	A/D	For initial setting of tuner band and step.
89	KEYINT3	I	L	Input signal of operation keys.
90	KEYINT2	I	L	Input signal of operation keys.
91	KEYINT1	I	L	Input signal of operation keys.
92	KEYINT0	I	L	Input signal of operation keys.
93	KEY3	I	A/D	Input signal of operation keys.
94	KEY2	I	A/D	Input signal of operation keys.
95	KEY1	I	A/D	Input signal of operation keys.
96	AVSS	---	---	Ground for A/D.
97	KEY0	I	A/D	Input signal of operation keys.
98	VREF	---	---	Power supply for reference of A/D.
99	AVCC	---	---	Power supply.
100	OSDCS	O	H	Output of chip select of OSD IC.

ADJUSTMENT PROCEDURE-1
IDLING CURRENT ADJUSTMENT

[When]

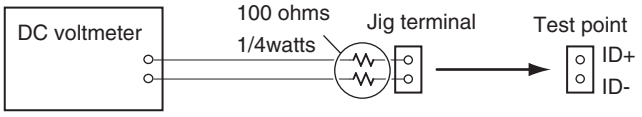
Exchange Power transistor (Q6051 - Q6066) and Amplifier PC board (NAAF-8523).

[Procedure]

<Note> No load and No signal

Refer to <Fig-1> in " ADJUSTMENT PROCEDURES-2 " about the adjustment points and the test points.

1. Before idling adjustment, turn the trimming resistors to counter clockwise.
2. Connect the DC voltmeter to test points.
   Connect 100 ohm resistance near the terminal of the two poles of a Jig terminal.



3. Connect the AC power cord to wall outlet.
4. Press the STANDBY/ON button into the power on.
5. Adjust the trimming resistors as following procedure immediately after power on.

Channel	Mark	Adjustment point (Trimming resistor)	Measuring point (Test point)	Adjustment value
Left	L	R6040	P6080	2.5 mV
Right	R	R6041	P6081	2.5 mV
Center	C	R6042	P6082	2.5 mV
Surround Left	SL	R6043	P6083	1.5 mV
Surround Right	SR	R6044	P6084	1.5 mV
Surround Back Left	SBL	R6045	P6085	1.5 mV
Surround Back Right	SBR	R6046	P6086	1.5 mV

6. Wait for 4 - 6 minutes. (Heat running)
7. Re-adjust the trimming resistors as following procedure.

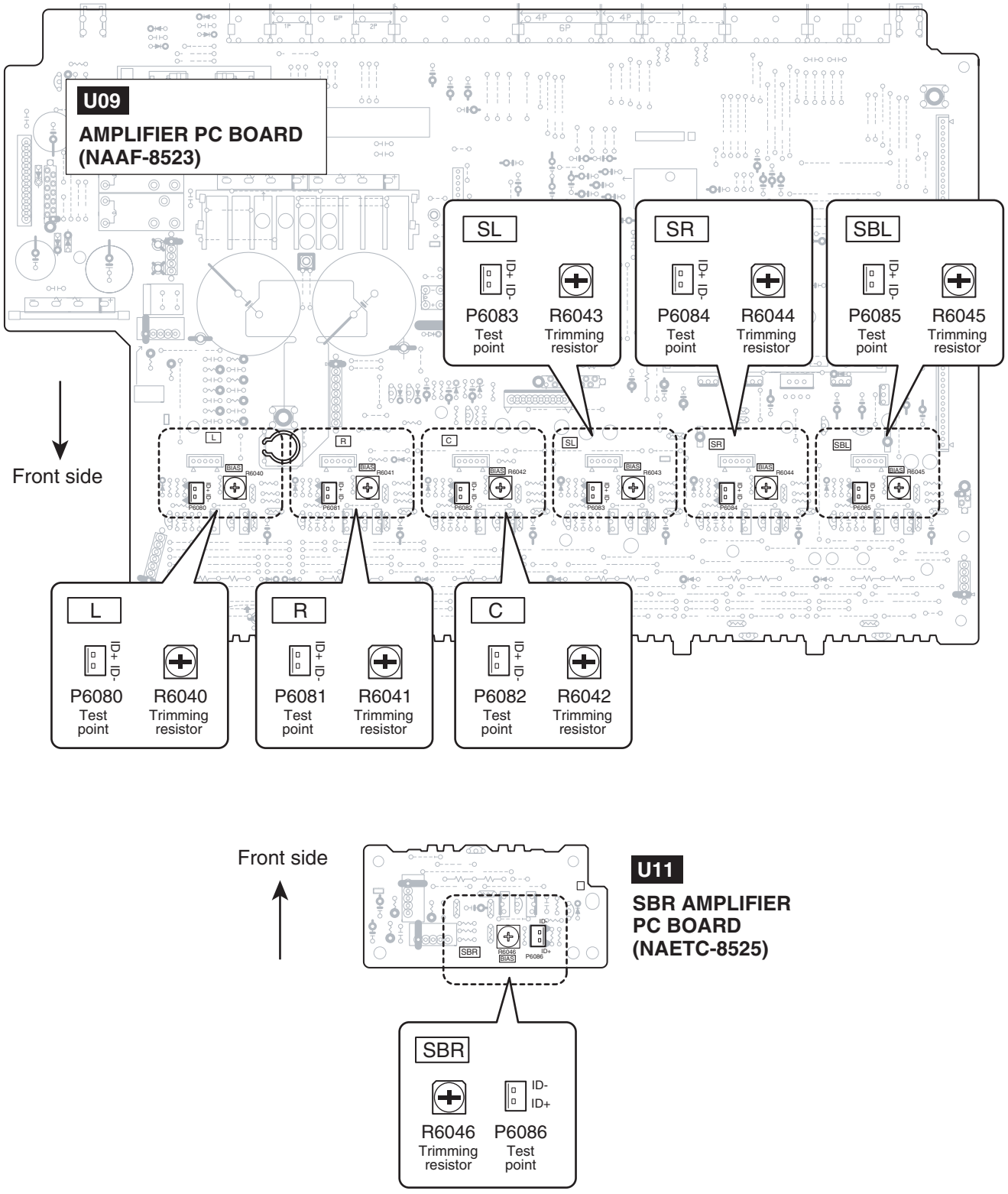
Channel	Adjustment point	Measured value		Adjustment value	Specifications (＊In a stable state)
Left, Right and Center	R6040, R6041 and R6042	In case below 9 mV	→	9 mV	12 +/- 3 mV
		In case 9 - 11 mV	→	Leave it as it is	
		In case over 11 mV	→	11 mV	
Surround Left Surround Right Surround Back Left Surround Back Right	R6043, R6044, R6045 and R6046	In case below 6 mV	→	6 mV	9 +/- 3 mV
		In case 6 - 8 mV	→	Leave it as it is	
		In case over 8 mV	→	8 mV	

8. Disconnect the DC voltmeter.
9. Press the STANDBY/ON button into the power off.
10. Disconnect the AC power cord.

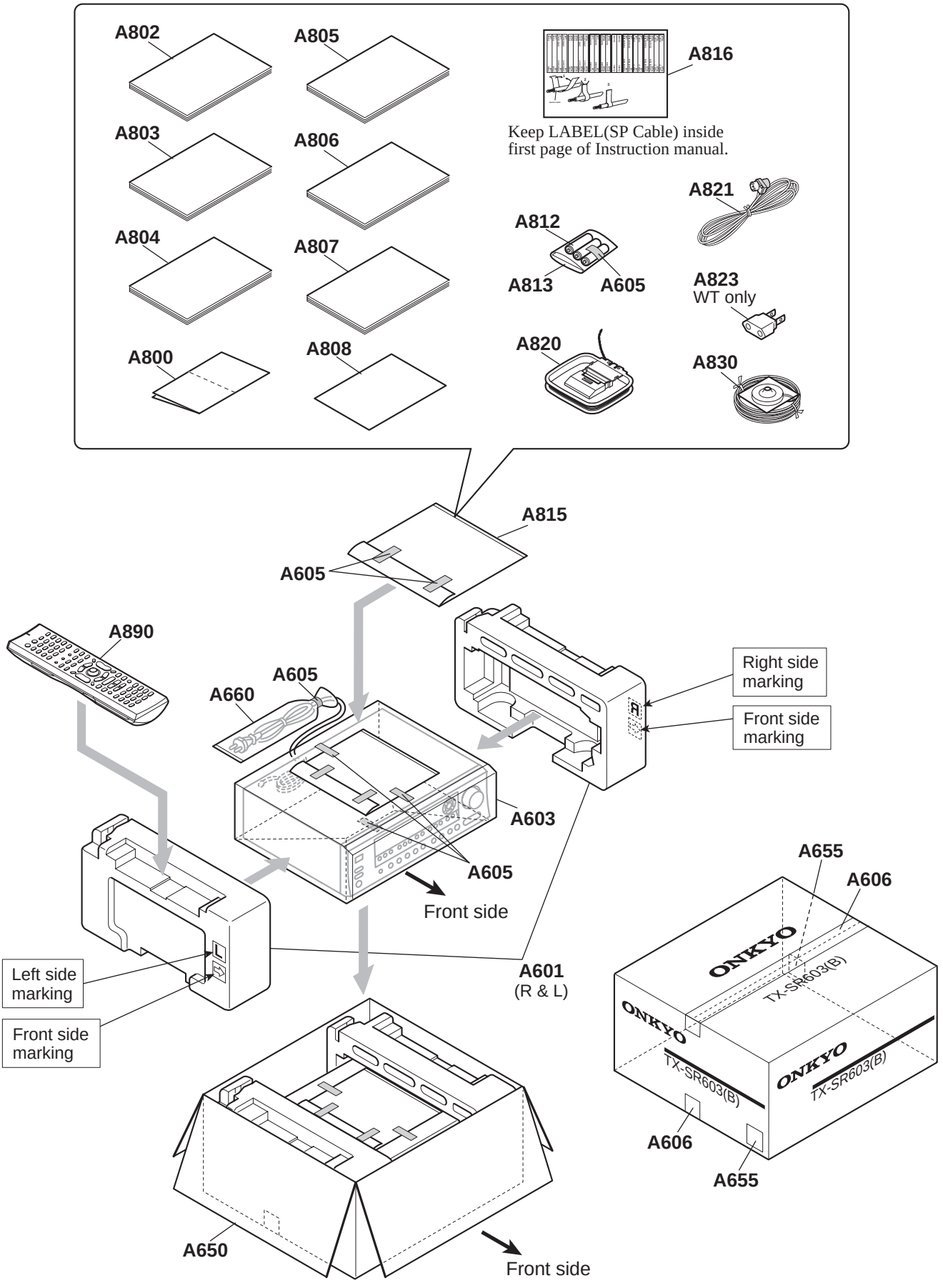
＊ Idling current are stabilized in about 10 minutes after a power supply ON.

ADJUSTMENT PROCEDURE-2
IDLING CURRENT ADJUSTMENT

<Fig-1>



PACKING PROCEDURE



TX-SR603/603E/8360

NOTE : THE COMPONENTS IDENTIFIED BY THE MARK ! ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

<Notes>
(B) : Black model
(S) : Silver model
(G) : Golden model
<DC> : TX-SR603 Canadian model
<DD> : TX-SR603 American model
<GK> : TX-SR603 Korean model
<GQ> : TX-SR603 Hong kong model
<GR> : TX-SR603 Chinese model
<PA> : TX-SR603 Australian model
<WT> : TX-SR603 World wide model
<PP> : TX-SR603E European model
<8360>: TX-SR8360 Chinese model

EXPLODED VIEW PARTS LIST

	REF. NO.	NAME	DESCRIPTION	Q'TY	PART NO	REMARKS
EXP	A001	F BRACKET	TX-SR603(B)MDD	1	27111395A	(B), <DD>
EXP	A001	F BRACKET	TX-SR603(B)MDD	1	27111395A	(B), <DC>
EXP	A001	F BRACKET	TX-SR603(B)MDD	1	27111395A	(B), <PA>
EXP	A001	F BRACKET	TX-SR603(B)MDD	1	27111395A	(B), <WT>
EXP	A001	F BRACKET	TX-SR603E(B)MPP	1	27111396A	<PP>(, B)
EXP	A001	F BRACKET	TX-SR603(S)MDC	1	27111397A	<DC>, (S)
EXP	A001	F BRACKET	TX-SR603(S)MDC	1	27111397A	<PA>, (S)
EXP	A001	F BRACKET	TX-SR603E(S)MPP	1	27111398A	<PP>, (S)
EXP	A001	F BRACKET	TX-SR603(G)MGR	1	27111400A	<GK>, (G)
EXP	A001	F BRACKET	TX-SR603(G)MGR	1	27111400A	<GR>, (G)
EXP	A001	F BRACKET	TX-SR603(G)MGR	1	27111400A	<GQ>, (G)
EXP	A001	F BRACKET	TX-SR603(G)MGR	1	27111400A	<WT>, (G)
EXP	A001	F BRACKET	TX-SR603(G)MGR	1	27111400A	<8360>
EXP	A002	SCREW	3TTB+8B(CU)SR	39	801618	
EXP	A005	KNOB	(SEL-L)	1	28326308	(B)
EXP	A005	KNOB	(SEL-L)	1	28326310	(G)
EXP	A005	KNOB	(SEL-L)	1	28326311	(S)
EXP	A006	KNOB	(SEL-R)	1	28326312	(B)
EXP	A006	KNOB	(SEL-R)	1	28326314	(G)
EXP	A006	KNOB	(SEL-R)	1	28326315	(S)
EXP	A007	FACET	(ST)	1	28198998A	
EXP	A013	WIRE TIE	BSK-1	8	260208	
EXP	A014	CLIP	CS-1U	1	27255004	
EXP	A015	CHASSIS	---	1	27100461A	
EXP	A017	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
EXP	A018	HOLDER	KGLS-22S	1	27190369	
EXP	A020	HOLDER	KGLS-14RT	3	27190524	
EXP	A021	HOLDER	HOLDER	2	27190991	
EXP	A022	BRACKET	(B)	1	27130987	
EXP	A030	SCREW	4TTC+8C(BC)	4	830440089	
EXP	A031	SPACER	---	1	27270439	
EXP	A033	LABEL	(PT)	1	29363379-1	
EXP	A035	WIRE TIE	BSK-1	4	260208	

EXP	A041	BUSHING	S-RELIEF #2271	1	27300750	!
EXP	A043	HEAT SINK	AS	1	27160565A	
EXP	A044	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
EXP	A046	BRACKET	BRACKET	2	27130745	
EXP	A049	SCREW	3SMH10W.SW+15B(CU)	14	801606	
EXP	A050	IB CUSHION	W15x3t TAPE	(1)	28141585	
EXP	A051	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
EXP	A052	BRACKET	(U)	1	27130986	
EXP	A054	CUSHION	(RE)	1	28141632	
EXP	A055	CUSHION	t3x50x10	1	28141563	
EXP	A058	FACET	(VOL)	1	28198999A	
EXP	A060	COVER	---	1	28184923	(B)
EXP	A060	COVER	---	1	28184924	(S)
EXP	A060	COVER	---	1	28184925	(G)
EXP	A061	SCREW	3TTB+8B(BC)	52	838430088	
EXP	A062	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
EXP	A064	LEG	LEG	4	27175319B	
EXP	A066	CUSHION	---	8	28141494	
EXP	A070	CLEAR PLT	---	1	28192064A	(B)
EXP	A070	CLEAR PLT	---	1	28192065A	(S)
EXP	A070	CLEAR PLT	---	1	28192065A	(G)
EXP	A071	CUSHION	---	1	28141631	
EXP	A073	F PANEL	TX-SR603(B)MDD	1	27212743	(B), <DD>
EXP	A073	F PANEL	TX-SR603(B)MDD	1	27212743	(B), <DC>
EXP	A073	F PANEL	TX-SR603(B)MPA	1	27212744	(B), <PA>
EXP	A073	F PANEL	TX-SR603(B)MPA	1	27212744	(B), <WT>
EXP	A073	F PANEL	TX-SR603E(B)MPP	1	27212745	(B), <PP>
EXP	A073	F PANEL	TX-SR603(S)MDC	1	27212746	(S), <DC>
EXP	A073	F PANEL	TX-SR603(S)MPA	1	27212747	(S), <PA>
EXP	A073	F PANEL	TX-SR603E(S)MPP	1	27212748	(S), <PP>
EXP	A073	F PANEL	TX-SR603(G)MWT	1	27212749	(G), <GK>
EXP	A073	F PANEL	TX-SR603(G)MWT	1	27212749	(G), <GR>
EXP	A073	F PANEL	TX-SR603(G)MWT	1	27212749	(G), <GQ>
EXP	A073	F PANEL	TX-SR603(G)MWT	1	27212749	(G), <WT>
EXP	A073	F PANEL	TX-SR8360(G)MGR	1	27212751	<8360>
EXP	A077	BADGE	---	1	28135244	(B)
EXP	A077	BADGE	---	1	28135245	(G)
EXP	A077	BADGE	---	1	28135298	(S)
EXP	A081	FACET(S)	---	1	28191920	
EXP	A093	REAR PANEL	TX-SR603MDD	1	27123422	<DD>
EXP	A093	REAR PANEL	TX-SR603MDD	1	27123422	<DC>
EXP	A093	REAR PANEL	TX-SR603EMPP	1	27123423	<PP>
EXP	A093	REAR PANEL	TX-SR603MGK	1	27123424	<GK>
EXP	A093	REAR PANEL	TX-SR603MWT	1	27123425A	<WT>
EXP	A093	REAR PANEL	TX-SR603MGR	1	27123426	<GR>
EXP	A093	REAR PANEL	TX-SR603MPA	1	27123427	<PA>
EXP	A093	REAR PANEL	TX-SR603MGQ	1	27123428	<GQ>
EXP	A093	REAR PANEL	TX-SR8360MGR	1	27123430	<8360>
EXP	A094	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
EXP	A098	HOLDER	(OUTLET)	1	27191143	<GR>, <8360>
EXP	A102	LABEL	(COVER)	1	29364123	
EXP	A109	LABEL	HOOKUP-ONKYO	1	29363194	<DD, DC>
EXP	A110	KNOB	(VOL)AS	1	28326289	(B)
EXP	A110	KNOB	(VOL)AS	1	28326294	(G)
EXP	A110	KNOB	(VOL)AS	1	28326295	(S)
EXP	A111	CUSHION	---	2	28141637	
EXP	F901	FUSE	10A-UL	1	252199	!, <DC>
EXP	F901	FUSE	10A-UL	1	252199	!, <DD>
EXP	F901	FUSE	5A-SE-EAK FUSE	1	252078	!, <WT>
EXP	F901 or	FUSE	5A-SE-TL250V	(1)	252244	!, <WT>
EXP	F901 or	FUSE	5A-SE-TL250V	(1)	252278	!, <WT>
EXP	F901C	LABEL	T5AL250V	1	29361938	<WT>
EXP	F901C	FUSELABEL	10A/125V	1	29362241	<DD>
EXP	F901C	FUSELABEL	10A/125V	1	29362241	<DC>
EXP	F902	FUSE	5A-SE-EAK FUSE	1	252078	!, <8360>
EXP	F902 or	FUSE	5A-SE-TL250V	(1)	252244	!, <8360>
EXP	F902 or	FUSE	5A-SE-TL250V	(1)	252278	!, <8360>
EXP	F902	FUSE	5A-SE-EAK FUSE	1	252078	!, <GK, GR, GQ>
EXP	F902 or	FUSE	5A-SE-TL250V	(1)	252244	!, <GK, GR, GQ>
EXP	F902 or	FUSE	5A-SE-TL250V	(1)	252278	!, <GK, GR, GQ>
EXP	F902	FUSE	5A-SE-EAK FUSE	1	252078	!, <PP, PA>
EXP	F902 or	FUSE	5A-SE-TL250V	(1)	252244	!, <PP, PA>
EXP	F902 or	FUSE	5A-SE-TL250V	(1)	252278	!, <PP, PA>
EXP	F902	FUSE	5A-SE-EAK FUSE	1	252078	!, <WT>
EXP	F902 or	FUSE	5A-SE-TL250V	(1)	252244	!, <WT>

EXP	F902 or	FUSE	5A-SE-TL250V	(1)	252278	!, <WT>
EXP	F902C	LABEL	T5AL250V	1	29361938	!, <PP, PA>
EXP	F902C	LABEL	T5AL250V	1	29361938	!, <WT>
EXP	F902C	LABEL	T5AL250V	1	29361938	!, <GK, GR, GQ>
EXP	F902C	LABEL	T5AL250V	1	29361938	!, <8360>
EXP	F903	FUSE	2.5A-SE-EAK FUSE	1	252075	!, <8360>
EXP	F903 or	FUSE	2.5A-SE-TL250V	(1)	252241	!, <8360>
EXP	F903 or	FUSE	2.5A-SE-TL250V	(1)	252275	!, <8360>
EXP	F903	FUSE	5A-UL/T-237	1	252164	!, <DD, DC>
EXP	F903 or	FUSE	5A-T/UL-ST2	(1)	252258	!, <DD, DC>
EXP	F903	FUSE	2.5A-SE-EAK FUSE	1	252075	!, <GK, GR, GQ>
EXP	F903 or	FUSE	2.5A-SE-TL250V	(1)	252241	!, <GK, GR, GQ>
EXP	F903	FUSE	2.5A-SE-EAK FUSE	1	252075	!, <PP, PA>
EXP	F903 or	FUSE	2.5A-SE-TL250V	(1)	252241	!, <PP, PA>
EXP	F903 or	FUSE	2.5A-SE-TL250V	(1)	252275	!, <PP, PA>
EXP	F903	FUSE	2.5A-SE-EAK FUSE	1	252075	!, <WT>
EXP	F903 or	FUSE	2.5A-SE-TL250V	(1)	252241	!, <WT>
EXP	F903 or	FUSE	2.5A-SE-TL250V	(1)	252275	!, <WT>
EXP	F903C	LABEL	T2.5AL250V	1	29361747	<8360>
EXP	F903C	LABEL	T2.5AL250V	1	29361747	<GK, GR, GQ>
EXP	F903C	LABEL	T2.5AL250V	1	29361747	<PP, PA>
EXP	F903C	LABEL	T2.5AL250V	1	29361747	<WT>
EXP	F6901	FUSE	12A-UL/T-314	1	252196	!
EXP	F6901 or	FUSE	12A-TUL-250V	(1)	252301	!
EXP	F6901C	FUSE LABEL	12A/250V	1	29362325	
EXP	F6902	FUSE	12A-UL/T-314	1	252196	!
EXP	F6902 or	FUSE	12A-TUL-250V	(1)	252301	!
EXP	F9501	FUSE	2.5A-SE-EAK FUSE	1	252075	!
EXP	F9501 or	FUSE	2.5A-SE-TL250V	(1)	252241	!
EXP	F9501 or	FUSE	2.5A-T/UL-ST2	(1)	252254	!
EXP	F9501C	LABEL	T2.5AL250V	1	29361747	<PP, PA>
EXP	F9501C	LABEL	T2.5AL250V	1	29361747	<WT>
EXP	F9501C	LABEL	T2.5AL250V	1	29361747	<GK, GR, GQ>
EXP	F9501C	LABEL	T2.5AL250V	1	29361747	<8360>
EXP	P101	FFC	NCFC7-151012	1	2047151012	
EXP	P701	FFC	NCFC5-402022	1	2045402022	
EXP	P901	AC CORD	AS-CCC	1	253355VOL	!, <GR>, <8360>
EXP	P901 or	AC CORD	AS-CCC	(1)	253377LTK	!, <GR>, <8360>
EXP	P901	AC CORD	AS-UC-2	1	253368LTK	!, <DD, DC>
EXP	P901 or	AC CORD	AS-UC-2	(1)	253332HIT	!, <DD, DC>
EXP	P901 or	AC CORD	AS-UC-2	(1)	253333VOL	!, <DD, DC>
EXP	P901	AC CORD	AS-CEE-2	1	253233KAW	!, <GK>
EXP	P901 or	AC CORD	AS-CEE-2	(1)	253306VOL	!, <GK>
EXP	P901 or	AC CORD	AS-CEE-2	(1)	253374LTK	!, <GK>
EXP	P901	AC CORD	AS-BS	1	253198HIT	!, <GQ>
EXP	P901	AC CORD	AS-SAA	1	253388HIT	!, <PA>
EXP	P901	AC CORD	AS-CEE-2	1	253233KAW	!, <PP>
EXP	P901 or	AC CORD	AS-CEE-2	(1)	253306VOL	!, <PP>
EXP	P901 or	AC CORD	AS-CEE-2	(1)	253374LTK	!, <PP>
EXP	P901	AC CORD	AS-CEE-2	1	253233KAW	!, <WT>
EXP	P901 or	AC CORD	AS-CEE-2	(1)	253306VOL	!, <WT>
EXP	P901 or	AC CORD	AS-CEE-2	(1)	253374LTK	!, <WT>
EXP	P902A	AC OUTLET	NSCT-2P2561	1	25052665	<GK>
EXP	Q6050	TR	2SC5242-O	1	2202843	
EXP	Q6050 or	TR	2SC5242-R	(1)	2202842	
EXP	Q6050A	ISO SHEET	AC238	14	223024	
EXP	Q6051	TR	2SC5242-O	1	2202843	
EXP	Q6051 or	TR	2SC5242-R	(1)	2202842	
EXP	Q6052	TR	2SC5242-O	1	2202843	
EXP	Q6052 or	TR	2SC5242-R	(1)	2202842	
EXP	Q6053	TR	MN130S-O	1	2203663	
EXP	Q6053 or	TR	2SC5242-R	(1)	2202842	
EXP	Q6053 or	TR	2SC5242-O	(1)	2202843	
EXP	Q6053 or	TR	MN130S-Y	(1)	2203664	
EXP	Q6053 or	TR	MN130S-P	(1)	2203666	
EXP	Q6054	TR	MN130S-O	1	2203663	
EXP	Q6054 or	TR	2SC5242-R	(1)	2202842	
EXP	Q6054 or	TR	2SC5242-O	(1)	2202843	
EXP	Q6054 or	TR	MN130S-Y	(1)	2203664	
EXP	Q6054 or	TR	MN130S-P	(1)	2203666	
EXP	Q6055	TR	MN130S-O	1	2203663	
EXP	Q6055 or	TR	2SC5242-R	(1)	2202842	
EXP	Q6055 or	TR	2SC5242-O	(1)	2202843	
EXP	Q6055 or	TR	MN130S-Y	(1)	2203664	
EXP	Q6055 or	TR	MN130S-P	(1)	2203666	

EXP	Q6056	TR	MN130S-O	1	2203663	
EXP	Q6056 or	TR	2SC5242-R	(1)	2202842	
EXP	Q6056 or	TR	2SC5242-O	(1)	2202843	
EXP	Q6056 or	TR	MN130S-Y	(1)	2203664	
EXP	Q6056 or	TR	MN130S-P	(1)	2203666	
EXP	Q6060	TR	2SA1962-O	1	2202833	
EXP	Q6060 or	TR	2SA1962-R	(1)	2202832	
EXP	Q6061	TR	2SA1962-O	1	2202833	
EXP	Q6061 or	TR	2SA1962-R	(1)	2202832	
EXP	Q6062	TR	2SA1962-O	1	2202833	
EXP	Q6062 or	TR	2SA1962-R	(1)	2202832	
EXP	Q6063	TR	MP130S-O	1	2203673	
EXP	Q6063 or	TR	2SA1962-R	(1)	2202832	
EXP	Q6063 or	TR	2SA1962-O	(1)	2202833	
EXP	Q6063 or	TR	MP130S-Y	(1)	2203674	
EXP	Q6063 or	TR	MP130S-P	(1)	2203676	
EXP	Q6064	TR	MP130S-O	1	2203673	
EXP	Q6064 or	TR	2SA1962-R	(1)	2202832	
EXP	Q6064 or	TR	2SA1962-O	(1)	2202833	
EXP	Q6064 or	TR	MP130S-Y	(1)	2203674	
EXP	Q6064 or	TR	MP130S-P	(1)	2203676	
EXP	Q6065	TR	MP130S-O	1	2203673	
EXP	Q6065 or	TR	2SA1962-R	(1)	2202832	
EXP	Q6065 or	TR	2SA1962-O	(1)	2202833	
EXP	Q6065 or	TR	MP130S-Y	(1)	2203674	
EXP	Q6065 or	TR	MP130S-P	(1)	2203676	
EXP	Q6066	TR	MP130S-O	1	2203673	
EXP	Q6066 or	TR	2SA1962-R	(1)	2202832	
EXP	Q6066 or	TR	2SA1962-O	(1)	2202833	
EXP	Q6066 or	TR	MP130S-Y	(1)	2203674	
EXP	Q6066 or	TR	MP130S-P	(1)	2203676	
EXP	T901	P TRANS	NPT-1518G	1	2301809	<8360>
EXP	T901	P TRANS	NPT-1518D	1	2301805	<DD, DC>
EXP	T901	P TRANS	NPT-1518G	1	2301809	<GK, GR, GQ>
EXP	T901	P TRANS	NPT-1518P	1	2301806	<PP, PA>
EXP	T901	P TRANS	NPT-1518DQ	1	2301808	<WT>
EXP	U01	VIDEO PC board ass'y	NAVD-8476-1A	1	1B068576-1A	<DD, DC>
EXP	U01	VIDEO PC board ass'y	NAVD-8476-1B	1	1B068576-1B	<PP>
EXP	U01	VIDEO PC board ass'y	NAVD-8476-1B	1	1B068576-1B	<PA>
EXP	U01	VIDEO PC board ass'y	NAVD-8476-1B	1	1B068576-1B	<WT>
EXP	U01	VIDEO PC board ass'y	NAVD-8476-1B	1	1B068576-1B	<GK,GR,GQ>
EXP	U01	VIDEO PC board ass'y	NAVD-8476-1B	1	1B068576-1B	<8360>
EXP	U02	DISPLAY PC board ass'y	NADIS-8513-1N	1	1B068513-1N	<DD,DC>
EXP	U02	DISPLAY PC board ass'y	NADIS-8513-1P	1	1B068513-1P	<PA, WT>
EXP	U02	DISPLAY PC board ass'y	NADIS-8513-1P	1	1B068513-1P	<GK, GR, GQ>
EXP	U02	DISPLAY PC board ass'y	NADIS-8513-1P	1	1B068513-1P	<8360>
EXP	U02	DISPLAY PC board ass'y	NADIS-8513-1Q	1	1B068513-1Q	<PP>
EXP	U03	DSP PC board ass'y	NADG-8514-1N	1	1B068514-1N	<DD, DC>
EXP	U03	DSP PC board ass'y	NADG-8514-1P	1	1B068514-1P	<PA, WT>
EXP	U03	DSP PC board ass'y	NADG-8514-1P	1	1B068514-1P	<GK, GR, GQ>
EXP	U03	DSP PC board ass'y	NADG-8514-1P	1	1B068514-1P	<8360>
EXP	U03	DSP PC board ass'y	NADG-8514-1Q	1	1B068514-1Q	<PP>
EXP	U04	SWITCH PC board ass'y	NASW-8515-1N	1	1B068515-1N	<DD, DC>
EXP	U04	SWITCH PC board ass'y	NASW-8515-1P	1	1B068515-1P	<PA, WT>
EXP	U04	SWITCH PC board ass'y	NASW-8515-1P	1	1B068515-1P	<GK, GR, GQ>
EXP	U04	SWITCH PC board ass'y	NASW-8515-1P	1	1B068515-1P	<8360>
EXP	U04	SWITCH PC board ass'y	NASW-8515-1Q	1	1B068515-1Q	<PP>
EXP	U05	HEADPHONE JACK PC board ass'y	NASW-8516-1N	1	1B068516-1N	<DD, DC>
EXP	U05	HEADPHONE JACK PC board ass'y	NASW-8516-1P	1	1B068516-1P	<PA, WT>
EXP	U05	HEADPHONE JACK PC board ass'y	NASW-8516-1P	1	1B068516-1P	<GK, GR, GQ>
EXP	U05	HEADPHONE JACK PC board ass'y	NASW-8516-1P	1	1B068516-1P	<8360>
EXP	U05	HEADPHONE JACK PC board ass'y	NASW-8516-1Q	1	1B068516-1Q	<PP>
EXP	U06	FRONT OPT PC board ass'y	NAETC-8517-1N	1	1B068517-1N	<DD, DC>
EXP	U06	FRONT OPT PC board ass'y	NAETC-8517-1P	1	1B068517-1P	<PA, WT>
EXP	U06	FRONT OPT PC board ass'y	NAETC-8517-1P	1	1B068517-1P	<GK, GR, GQ>
EXP	U06	FRONT OPT PC board ass'y	NAETC-8517-1P	1	1B068517-1P	<8360>
EXP	U06	FRONT OPT PC board ass'y	NAETC-8517-1Q	1	1B068517-1Q	<PP>
EXP	U07	IR IN TERMINAL PC board ass'y	NAETC-8518-1N	1	1B068518-1N	<DD, DC>
EXP	U07	IR IN TERMINAL PC board ass'y	NAETC-8518-1P	1	1B068518-1P	<PA, WT>
EXP	U07	IR IN TERMINAL PC board ass'y	NAETC-8518-1P	1	1B068518-1P	<GK, GR, GQ>
EXP	U07	IR IN TERMINAL PC board ass'y	NAETC-8518-1P	1	1B068518-1P	<8360>
EXP	U07	IR IN TERMINAL PC board ass'y	NAETC-8518-1Q	1	1B068518-1Q	<PP>
EXP	U08	HOLDER PC board ass'y	NAETC-8520-1N	1	1B068520-1N	<DD, DC>
EXP	U08	HOLDER PC board ass'y	NAETC-8520-1P	1	1B068520-1P	<PA, WT>
EXP	U08	HOLDER PC board ass'y	NAETC-8520-1P	1	1B068520-1P	<GK, GR, GQ>

EXP	U08	HOLDER PC board ass'y	NAETC-8520-1P	1	1B068520-1P	<8360>
EXP	U08	HOLDER PC board ass'y	NAETC-8520-1Q	1	1B068520-1Q	<PP>
EXP	U09	AMPLIFIER PC board ass'y	NAAF-8523-1K	1	1B068523-1K	<DD, DC>
EXP	U09	AMPLIFIER PC board ass'y	NAAF-8523-1L	1	1B068523-1L	<PP>
EXP	U09	AMPLIFIER PC board ass'y	NAAF-8523-1L	1	1B068523-1L	<8360>
EXP	U09	AMPLIFIER PC board ass'y	NAAF-8523-1L	1	1B068523-1L	<PA, WT>
EXP	U09	AMPLIFIER PC board ass'y	NAAF-8523-1L	1	1B068523-1L	<GK, GR, GQ>
EXP	U10	SEC. TERMINAL-2 PC board ass'y	NAPS-8524-1K	1	1B068524-1K	<DD, DC>
EXP	U10	SEC. TERMINAL-2 PC board ass'y	NAPS-8524-1L	1	1B068524-1L	<PP>
EXP	U10	SEC. TERMINAL-2 PC board ass'y	NAPS-8524-1L	1	1B068524-1L	<8360>
EXP	U10	SEC. TERMINAL-2 PC board ass'y	NAPS-8524-1L	1	1B068524-1L	<PA, WT>
EXP	U10	SEC. TERMINAL-2 PC board ass'y	NAPS-8524-1L	1	1B068524-1L	<GK, GR, GQ>
EXP	U11	SBR AMPLIFIER PC board ass'y	NAETC-8525-1K	1	1B068525-1K	<DD, DC>
EXP	U11	SBR AMPLIFIER PC board ass'y	NAETC-8525-1L	1	1B068525-1L	<PP>
EXP	U11	SBR AMPLIFIER PC board ass'y	NAETC-8525-1L	1	1B068525-1L	<8360>
EXP	U11	SBR AMPLIFIER PC board ass'y	NAETC-8525-1L	1	1B068525-1L	<PA, WT>
EXP	U11	SBR AMPLIFIER PC board ass'y	NAETC-8525-1L	1	1B068525-1L	<GK, GR, GQ>
EXP	U12	THERMAL SENSOR PC board ass'y	NAETC-8526-1K	1	1B068526-1K	<DD, DC>
EXP	U12	THERMAL SENSOR PC board ass'y	NAETC-8526-1L	1	1B068526-1L	<PP>
EXP	U12	THERMAL SENSOR PC board ass'y	NAETC-8526-1L	1	1B068526-1L	<8360>
EXP	U12	THERMAL SENSOR PC board ass'y	NAETC-8526-1L	1	1B068526-1L	<PA, WT>
EXP	U12	THERMAL SENSOR PC board ass'y	NAETC-8526-1L	1	1B068526-1L	<GK, GR, GQ>
EXP	U13	HOLDER PC board ass'y	NAETC-8527-1K	1	1B068527-1K	<DD, DC>
EXP	U13	HOLDER PC board ass'y	NAETC-8527-1L	1	1B068527-1L	<PP>
EXP	U13	HOLDER PC board ass'y	NAETC-8527-1L	1	1B068527-1L	<8360>
EXP	U13	HOLDER PC board ass'y	NAETC-8527-1L	1	1B068527-1L	<PA, WT>
EXP	U13	HOLDER PC board ass'y	NAETC-8527-1L	1	1B068527-1L	<GK, GR, GQ>
EXP	U15	POWER SUPPLY-1 PC board ass'y	NAPS-8533-1M	1	1B068533-1M	<DD, DC>
EXP	U15	POWER SUPPLY-1 PC board ass'y	NAPS-8533-1N	1	1B068533-1N	<PA>
EXP	U15	POWER SUPPLY-1 PC board ass'y	NAPS-8533-1P	1	1B068533-1P	<WT>
EXP	U15	POWER SUPPLY-1 PC board ass'y	NAPS-8533-1Q	1	1B068533-1Q	<GR>, <8360>
EXP	U15	POWER SUPPLY-1 PC board ass'y	NAPS-8533-1R	1	1B068533-1R	<GK>
EXP	U15	POWER SUPPLY-1 PC board ass'y	NAPS-8533-1T	1	1B068533-1T	<GQ> <PP>
EXP	U17	POWER SUPPLY-2 PC board ass'y	NAPS-8535-1M	1	1B068535-1M	<DD, DC>
EXP	U17	POWER SUPPLY-2 PC board ass'y	NAPS-8535-1N	1	1B068535-1N	<PA>
EXP	U17	POWER SUPPLY-2 PC board ass'y	NAPS-8535-1P	1	1B068535-1P	<WT>
EXP	U17	POWER SUPPLY-2 PC board ass'y	NAPS-8535-1Q	1	1B068535-1Q	<GR>, <8360>
EXP	U17	POWER SUPPLY-2 PC board ass'y	NAPS-8535-1R	1	1B068535-1R	<GK>
EXP	U17	POWER SUPPLY-2 PC board ass'y	NAPS-8535-1T	1	1B068535-1T	<GQ> <PP>
EXP	U18	SEC. TERMINAL-1 PC board ass'y	NAPS-8536-1M	1	1B068536-1M	<DD, DC>
EXP	U18	SEC. TERMINAL-1 PC board ass'y	NAPS-8536-1N	1	1B068536-1N	<PA>
EXP	U18	SEC. TERMINAL-1 PC board ass'y	NAPS-8536-1P	1	1B068536-1P	<WT>
EXP	U18	SEC. TERMINAL-1 PC board ass'y	NAPS-8536-1Q	1	1B068536-1Q	<GR>, <8360>
EXP	U18	SEC. TERMINAL-1 PC board ass'y	NAPS-8536-1R	1	1B068536-1R	<GK>
EXP	U18	SEC. TERMINAL-1 PC board ass'y	NAPS-8536-1T	1	1B068536-1T	<GQ>, <PP>
EXP	U19	SPEAKER TERMINAL PC board ass'y	NAETC-8537-1M	1	1B068537-1M	<DD, DC>
EXP	U19	SPEAKER TERMINAL PC board ass'y	NAETC-8537-1N	1	1B068537-1N	<PA>
EXP	U19	SPEAKER TERMINAL PC board ass'y	NAETC-8537-1P	1	1B068537-1P	<WT>
EXP	U19	SPEAKER TERMINAL PC board ass'y	NAETC-8537-1Q	1	1B068537-1Q	<GR>, <8360>
EXP	U19	SPEAKER TERMINAL PC board ass'y	NAETC-8537-1R	1	1B068537-1R	<GK>
EXP	U19	SPEAKER TERMINAL PC board ass'y	NAETC-8537-1T	1	1B068537-1T	<GQ>, <PP>
EXP	U20	CENTER SPEAKER TERMINAL PC board ass'	NAETC-8538-1M	1	1B068538-1M	<DD, DC>
EXP	U20	CENTER SPEAKER TERMINAL PC board ass'	NAETC-8538-1N	1	1B068538-1N	<PA>
EXP	U20	CENTER SPEAKER TERMINAL PC board ass'	NAETC-8538-1P	1	1B068538-1P	<WT>
EXP	U20	CENTER SPEAKER TERMINAL PC board ass'	NAETC-8538-1Q	1	1B068538-1Q	<GR>, <8360>
EXP	U20	CENTER SPEAKER TERMINAL PC board ass'	NAETC-8538-1R	1	1B068538-1R	<GK>
EXP	U20	CENTER SPEAKER TERMINAL PC board ass'	NAETC-8538-1T	1	1B068538-1T	<GQ>, <PP>
EXP	U22	DRIVER AMPLIFIER PC board ass'y	NAAF-8540-1M	1	1B068540-1M	<DD, DC>
EXP	U22	DRIVER AMPLIFIER PC board ass'y	NAAF-8540-1N	1	1B068540-1N	<PA>
EXP	U22	DRIVER AMPLIFIER PC board ass'y	NAAF-8540-1P	1	1B068540-1P	<WT>
EXP	U22	DRIVER AMPLIFIER PC board ass'y	NAAF-8540-1Q	1	1B068540-1Q	<GR>, <8360>
EXP	U22	DRIVER AMPLIFIER PC board ass'y	NAAF-8540-1R	1	1B068540-1R	<GK>
EXP	U22	DRIVER AMPLIFIER PC board ass'y	NAAF-8540-1T	1	1B068540-1T	<GQ>, <PP>
EXP	U24	TUNER UNIT	TFCE1U114B	1	240134A	<DD, DC>
EXP	U24	TUNER UNIT	TFCE1E512A	1	240135	<GK, GR, GQ>
EXP	U24	TUNER UNIT	TFCE1E512A	1	240135	<PP, PA>
EXP	U24	TUNER UNIT	TFCE1E512A	1	240135	<WT>
EXP	U24	TUNER UNIT	TFCE1E512A	1	240135	<8360>

PC BOARD PARTS LIST

U01 VIDEO PC BOARD (NAVD-8476-1A/B)

CIRCUIT NO	NAME	DESCRIPTION	Q'TY	PART NO	REMARKS

PCB1	Q2001	IC	NJM2595M	1	22241946R2
PCB1	Q2002	IC	NJM2595M	1	22241946R2
PCB1	Q2003	IC	NJM2595M	1	22241946R2
PCB1	Q2004	IC	LC74763-9836	1	22241779
PCB1	Q2005	TR	KTC3875-GR	1	2216175R2
PCB1	Q2005 or	TR	2SC2712-GR	(1)	2213145R2
PCB1	Q2006	TR	RN1443	1	2215510R2
PCB1	Q2007	TR	RN1443	1	2215510R2
PCB1	Q2008	TR	KTA1504-GR	1	2216185R2
PCB1	Q2008 or	TR	2SA1162-GR	(1)	2214375R2
PCB1	Q2009	TR	KTA1504-GR	1	2216185R2
PCB1	Q2009 or	TR	2SA1162-GR	(1)	2214375R2
PCB1	Q2010	TR	RN2402	1	2214530R2
PCB1	Q2010 or	TR	KRA102S	(1)	2216220R2
PCB1	Q2010 or	TR	UNR2111	(1)	2217110R2
PCB1	Q2012	TR	RN1443	1	2215510R2
PCB1	Q2013	TR	RN1443	1	2215510R2
PCB1	Q2017	TR	RN1443	1	2215510R2
PCB1	Q2018	TR	RN1443	1	2215510R2
PCB1	Q2020	TR	RN1443	1	2215510R2
PCB1	Q2022	TR	KTA1504-GR	1	2216185R2
PCB1	Q2022 or	TR	2SA1162-GR	(1)	2214375R2
PCB1	Q2023	TR	RN1443	1	2215510R2
PCB1	Q2024	TR	RN1443	1	2215510R2
PCB1	Q2025	TR	RN1443	1	2215510R2
PCB1	Q2051	TR	KRC101S	1	2216330R2
PCB1	Q2051 or	TR	RN1401	(1)	2214460R2
PCB1	Q2052	TR	KRC101S	1	2216330R2
PCB1	Q2052 or	TR	RN1401	(1)	2214460R2
PCB1	Q2053	TR	KRC101S	1	2216330R2
PCB1	Q2053 or	TR	RN1401	(1)	2214460R2
PCB1	Q2054	TR	KRC101S	1	2216330R2
PCB1	Q2054 or	TR	RN1401	(1)	2214460R2
PCB1	Q2101	IC	ADV7183B	1	22242202R3
PCB1	Q2102	IC(REGURATOR)	TA48033AF(TE16L,NQ)	1	22278033DR2
PCB1	Q2102 or	IC(REGULATOR)	BA33BC0FP	(1)	22278033DR2RH
PCB1	Q2103	IC(REGURATOR)	TA48018AF(TE16L,NQ)	1	22278018DR2
PCB1	Q2103 or	IC(REGULATOR)	BA18BC0FP	(1)	22278018DR2RH
PCB1	Q2104	IC	ADV7172	1	22242155R3
PCB1	Q2105	TR	KRC101S	1	2216330R2
PCB1	Q2105 or	TR	RN1401	(1)	2214460R2
PCB1	Q2106	IC	LA7106MFP	1	22241465R2
PCB1	Q2107	IC	LA7106MFP	1	22241465R2
PCB1	Q2108	TR	2SK3019	1	2216520R2
PCB1	Q2109	TR	2SK3019	1	2216520R2
PCB1	Q2111	IC	NJU7313AM	1	22242211R2
PCB1	Q2201	TR	KTC3875-GR	1	2216175R2
PCB1	Q2201 or	TR	2SC2712-GR	(1)	2213145R2
PCB1	Q2202	TR	KTC3875-GR	1	2216175R2
PCB1	Q2202 or	TR	2SC2712-GR	(1)	2213145R2
PCB1	D2001	C-DIODE	MA2J111	1	223279R2
PCB1	D2001 or	C-DIODE	1SS352	(1)	223234R2
PCB1	D2001 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D2002	C-DIODE	MA2J111	1	223279R2
PCB1	D2002 or	C-DIODE	1SS352	(1)	223234R2
PCB1	D2002 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D2003	C-DIODE	MA2J111	1	223279R2
PCB1	D2003 or	C-DIODE	1SS352	(1)	223234R2
PCB1	D2003 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D2201	C-DIODE	MA2J111	1	223279R2
PCB1	D2201 or	C-DIODE	1SS352	(1)	223234R2
PCB1	D2201 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D2202	C-DIODE	MA2J111	1	223279R2
PCB1	D2202 or	C-DIODE	1SS352	(1)	223234R2
PCB1	D2202 or	C-DIODE	1SS355	(1)	223269R2
PCB1	L2001	CHOKE COIL	NCH-1572	1	231292J056R2
PCB1	L2002	CHOKE COIL	NCH-1471	1	231237K022R2
PCB1	L2002 or	CHOKE COIL	NCH-1587-022K	(1)	233533K022R2
PCB1	L2007	CHOKE COIL	NCH-1471	1	231237K022R2
PCB1	L2007 or	CHOKE COIL	NCH-1587-022K	(1)	233533K022R2
PCB1	L2101	CHOKE COIL	NCH-1471	1	231237K022R2
PCB1	L2101 or	CHOKE COIL	NCH-1587-022K	(1)	233533K022R2
PCB1	L2102	CHOKE COIL	NCH-1477	1	231237K220R2
PCB1	L2103	CHOKE COIL	NCH-1477	1	231237K220R2
PCB1	L2104	CHOKE COIL	NCH-1471	1	231237K022R2

PCB1	L2104 or	CHOKE COIL	NCH-1587-022K	(1)	233533K022R2	
PCB1	L2105	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB1	L2105 or	CHOKE COIL	NCH-1587-022K	(1)	233533K022R2	
PCB1	X2001	CRYSTAL	HC-49/U0314.318M	1	3010363	
PCB1	X2002	CRYSTAL	HC-49/U0317.734M	1	3010364	<PA, WT>
PCB1	X2002	CRYSTAL	HC-49/U0317.734M	1	3010364	<GK, GR, GQ>
PCB1	X2002	CRYSTAL	HC-49/U0317.734M	1	3010364	<PP>
PCB1	X2002	CRYSTAL	HC-49/U0317.734M	1	3010364	<8360>
PCB1	X2101	CRYSTAL	FCX-03-28.6363MHz	1	3010408R2	
PCB1	C2001	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB1	C2002	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB1	C2003	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB1	C2004	VR C	CE04W50V-10M(VR)	1	394681007	
PCB1	C2005	VR C	CE04W50V-10M(VR)	1	394681007	
PCB1	C2006	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2007	VR C	CE04W50V-10M(VR)	1	394681007	
PCB1	C2008	VR C	CE04W50V-10M(VR)	1	394681007	
PCB1	C2009	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2010	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB1	C2011	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB1	C2012	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB1	C2013	VR C	CE04W50V-10M(VR)	1	394681007	
PCB1	C2014	VR C	CE04W50V-10M(VR)	1	394681007	
PCB1	C2015	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2016	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB1	C2017	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB1	C2018	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB1	C2019	VR C	CE04W50V-10M(VR)	1	394681007	
PCB1	C2020	VR C	CE04W50V-10M(VR)	1	394681007	
PCB1	C2021	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2022	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2023	VR C	CE04W16V-100M(VR)	1	394641017	
PCB1	C2024	VR C	CE04W16V-100M(VR)	1	394641017	
PCB1	C2025	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2026	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2027	VR C	CE04W16V-100M(VR)	1	394641017	
PCB1	C2028	VR C	CE04W16V-100M(VR)	1	394641017	
PCB1	C2029	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2030	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2031	VR C	CE04W16V-100M(VR)	1	394641017	
PCB1	C2032	VR C	CE04W16V-100M(VR)	1	394641017	
PCB1	C2033	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2041	C-CERA C	CC725CH1H-100D1	1	342101002R1	
PCB1	C2042	C-CERA C	CC725CH1H-180J1	1	342101804R1	
PCB1	C2043	C-CERA C	CC725CH1H-180J1	1	342101804R1	<PA, WT>
PCB1	C2043	C-CERA C	CC725CH1H-180J1	1	342101804R1	<GK, GR, GQ>
PCB1	C2043	C-CERA C	CC725CH1H-180J1	1	342101804R1	<PP>
PCB1	C2043	C-CERA C	CC725CH1H-180J1	1	342101804R1	<8360>
PCB1	C2044	C-CERA C	CC725CH1H-080D1	1	342100802R1	<PA, WT>
PCB1	C2044	C-CERA C	CC725CH1H-080D1	1	342100802R1	<GK, GR, GQ>
PCB1	C2044	C-CERA C	CC725CH1H-080D1	1	342100802R1	<PP>
PCB1	C2044	C-CERA C	CC725CH1H-080D1	1	342100802R1	<8360>
PCB1	C2045	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB1	C2046	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB1	C2047	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB1	C2048	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB1	C2049	VR C	CE04W50V-1M(VR)	1	394680107	
PCB1	C2050	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB1	C2051	VR C	CE04W10V-470M(VR)	1	394634717	
PCB1	C2052	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2053	VR C	CE04W16V-100M(VR)	1	394641017	
PCB1	C2054	VR C	CE04W50V-0.33M(VR)	1	394683397	
PCB1	C2055	C-CERA C	CK725B1H-122K1	1	332101225R1	
PCB1	C2056	TF C	ECQ-B50V-682J	1	374726824	
PCB1	C2057	VR C	CE04W50V-1M(VR)	1	394680107	
PCB1	C2058	TF C	ECQ-B50V-223J	1	374722234	
PCB1	C2059	C-CERA C	CC725CH1H-220J1	1	342102204R1	
PCB1	C2060	C-CERA C	CC725CH1H-270J1	1	342102704R1	
PCB1	C2061	VR C	CE04W50V-0.47M(VR)	1	394684797	
PCB1	C2063	TF C	ECQ-V50V-334J	1	374723344	
PCB1	C2065	VR C	CE04W16V-100M(VR)	1	394641017	
PCB1	C2066	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2067	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2068	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C2071	C-CERA C	CK725F1E-104Z1	1	332161040R1	

PCB1	C2072	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2073	VR C	CE04W10V-470M(VR)	1	394634717
PCB1	C2078	VR C	CE04W10V-470M(VR)	1	394634717
PCB1	C2090	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2091	VR C	CE04W50V-10M(VR)	1	394681007
PCB1	C2092	VR C	CE04W50V-10M(VR)	1	394681007
PCB1	C2101	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2102	VR C	CE04W10V-470M(VR)	1	394634717
PCB1	C2103	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2104	CHIP TANTAL	F93-16V-10M	1	395541007R2
PCB1	C2104 or	CHIP TANTAL	TCFGA-1C106M8R	(1)	396041007R2
PCB1	C2105	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2106	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2107	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2108	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2109	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2110	C-CERA C	CK725F1H-103Z1	1	332151030R1
PCB1	C2111	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2112	CHIP TANTAL	F93-16V-10M	1	395541007R2
PCB1	C2112 or	CHIP TANTAL	TCFGA-1C106M8R	(1)	396041007R2
PCB1	C2113	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2114	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2115	CHIP TANTAL	F93-16V-10M	1	395541007R2
PCB1	C2115 or	CHIP TANTAL	TCFGA-1C106M8R	(1)	396041007R2
PCB1	C2116	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2117	CHIP TANTAL	F93-16V-10M	1	395541007R2
PCB1	C2117 or	CHIP TANTAL	TCFGA-1C106M8R	(1)	396041007R2
PCB1	C2118	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2119	CHIP TANTAL	F93-16V-10M	1	395541007R2
PCB1	C2119 or	CHIP TANTAL	TCFGA-1C106M8R	(1)	396041007R2
PCB1	C2120	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2121	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB1	C2122	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB1	C2123	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2124	C-CERA C	CK725F1H-103Z1	1	332151030R1
PCB1	C2125	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2126	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2128	C-CERA C	CC725CH1H-080D1	1	342100802R1
PCB1	C2129	C-CERA C	CC725CH1H-080D1	1	342100802R1
PCB1	C2130	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2131	C-CERA C	CK725F1H-103Z1	1	332151030R1
PCB1	C2132	C-FILM C	ECHU16V-823J	1	373048234R2
PCB1	C2133	C-FILM C	ECHU16V-103J	1	373041034R2
PCB1	C2134	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2135	C-CERA C	CK725F1H-103Z1	1	332151030R1
PCB1	C2136	VR C	CE04W10V-470M(VR)	1	394634717
PCB1	C2137	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2141	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2142	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2161	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2162	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2163	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2164	CHIP TANTAL	F93-16V-10M	1	395541007R2
PCB1	C2164 or	CHIP TANTAL	TCFGA-1C106M8R	(1)	396041007R2
PCB1	C2171	C-CERA C	CK732B1A-105K	1	337361055R2
PCB1	C2172	C-CERA C	CK732B1A-105K	1	337361055R2
PCB1	C2173	C-CERA C	CK732B1A-105K	1	337361055R2
PCB1	C2174	C-CERA C	CK732B1A-105K	1	337361055R2
PCB1	C2175	C-CERA C	CK732B1A-105K	1	337361055R2
PCB1	C2176	C-CERA C	CK732B1A-105K	1	337361055R2
PCB1	C2177	VR C	CE04W16V-100M(VR)	1	394641017
PCB1	C2178	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2179	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2180	VR C	CE04W16V-100M(VR)	1	394641017
PCB1	C2181	VR C	CE04W16V-100M(VR)	1	394641017
PCB1	C2182	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2183	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2184	VR C	CE04W16V-100M(VR)	1	394641017
PCB1	C2185	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2186	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2188	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2189	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB1	C2201	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB1	C2202	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB1	R2001	C-CARBON R	RN72K1J-103JE	1	435031034R1

PCB1	R2002	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB1	R2003	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB1	R2004	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2005	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2006	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2007	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2008	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2009	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2010	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2011	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2012	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2013	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2014	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2015	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2016	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2017	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2018	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2019	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2020	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2021	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2041	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB1	R2042	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB1	R2043	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB1	R2044	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB1	R2045	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB1	R2046	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	R2047	C-CARBON R	RN72K1J-473JE	1	435034734R1
PCB1	R2048	C-CARBON R	RN72K1J-682JE	1	435036824R1
PCB1	R2049	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB1	R2050	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB1	R2051	C-CARBON R	RN72K1J-824JE	1	435038244R1
PCB1	R2052	C-CARBON R	RN72K1J-152JE	1	435031524R1
PCB1	R2053	C-CARBON R	RN72K1J-682JE	1	435036824R1
PCB1	R2054	C-CARBON R	RN72K1J-121JE	1	435031214R1
PCB1	R2055	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	R2056	C-CARBON R	RN72K1J-272JE	1	435032724R1
PCB1	R2057	C-CARBON R	RN72K1J-473JE	1	435034734R1
PCB1	R2058	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB1	R2059	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB1	R2060	C-CARBON R	RN72K1J-123JE	1	435031234R1
PCB1	R2061	C-CARBON R	RN72K1J-272JE	1	435032724R1
PCB1	R2062	C-CARBON R	RN72K1J-333JE	1	435033334R1
PCB1	R2063	C-CARBON R	RN72K1J-680JE	1	435036804R1
PCB1	R2064	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB1	R2065	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB1	R2066	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB1	R2067	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB1	R2070	C-CARBON R	RN72K1J-220JE	1	435032204R1
PCB1	R2071	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2072	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2073	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2074	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2075	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2076	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2077	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2078	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2079	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2080	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2081	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2082	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2083	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2084	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2085	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2086	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2087	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB1	R2088	C-CARBON R	RN72K1J-750JE	1	435037504R1
PCB1	R2089	C-CARBON R	RN72K1J-082JE	1	435030824R1
PCB1	R2090	C-CARBON R	RN72K1J-022JE	1	435030224R1
PCB1	R2091	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB1	R2092	C-CARBON R	RN72K1J-471JE	1	435034714R1
PCB1	R2093	C-CARBON R	RN72K1J-820JE	1	435038204R1
PCB1	R2094	C-CARBON R	RN72K1J-121JE	1	435031214R1
PCB1	R2095	C-CARBON R	RN72K1J-121JE	1	435031214R1
PCB1	R2096	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB1	R2097	C-CARBON R	RN72K1J-471JE	1	435034714R1

PCB1	R2098	C-CARBON R	RN72K1J-820JE	1	435038204R1
PCB1	R2101	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	R2102	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	R2103	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	R2104	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	R2105	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	R2106	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	R2107	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	R2108	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	R2109	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2110	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB1	R2111	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2112	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2113	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB1	R2114	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB1	R2115	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	R2116	C-CARBON R	RN72K1J-681JE	1	435036814R1
PCB1	R2121	C-CARBON R	RN72K1J-330JE	1	435033304R1
PCB1	R2122	C-CARBON R	RN72K1J-330JE	1	435033304R1
PCB1	R2123	C-CARBON R	RN72K1J-330JE	1	435033304R1
PCB1	R2124	C-CARBON R	RN72K1J-330JE	1	435033304R1
PCB1	R2125	C-CARBON R	RN72K1J-330JE	1	435033304R1
PCB1	R2126	C-CARBON R	RN72K1J-330JE	1	435033304R1
PCB1	R2127	C-CARBON R	RN72K1J-330JE	1	435033304R1
PCB1	R2128	C-CARBON R	RN72K1J-330JE	1	435033304R1
PCB1	R2129	C-CARBON R	RN72K1J-330JE	1	435033304R1
PCB1	R2130	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB1	R2131	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB1	R2132	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2133	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2134	C-CARBON R	RN72K1J-122JE	1	435031224R1
PCB1	R2135	C-CARBON R	RN72K1J-122JE	1	435031224R1
PCB1	R2141	C-CARBON R	RN72K1J-122JE	1	435031224R1
PCB1	R2142	C-CARBON R	RN72K1J-122JE	1	435031224R1
PCB1	R2143	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2144	C-CARBON R	RN72K1J-330JE	1	435033304R1
PCB1	R2145	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB1	R2161	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2162	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2163	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2164	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2165	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2166	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2167	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2168	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2169	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2170	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2171	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2172	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB1	R2173	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2174	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB1	R2175	C-CARBON R	RN72K1J-180JE	1	435031804R1
PCB1	R2176	C-CARBON R	RN72K1J-820JE	1	435038204R1
PCB1	R2177	C-CARBON R	RN72K1J-820JE	1	435038204R1
PCB1	R2178	C-CARBON R	RN72K1J-820JE	1	435038204R1
PCB1	R2179	C-CARBON R	RN72K1J-391JE	1	435033914R1
PCB1	R2180	C-CARBON R	RN72K1J-391JE	1	435033914R1
PCB1	R2181	C-CARBON R	RN72K1J-820JE	1	435038204R1
PCB1	R2182	C-CARBON R	RN72K1J-820JE	1	435038204R1
PCB1	R2183	C-CARBON R	RN72K1J-820JE	1	435038204R1
PCB1	R2184	C-CARBON R	RN72K1J-820JE	1	435038204R1
PCB1	R2185	C-CARBON R	RN72K1J-820JE	1	435038204R1
PCB1	R2186	C-CARBON R	RN72K1J-820JE	1	435038204R1
PCB1	R2187	C-CARBON R	RN72K1J-680JE	1	435036804R1
PCB1	R2188	C-CARBON R	RN72K1J-680JE	1	435036804R1
PCB1	R2189	C-CARBON R	RN72K1J-680JE	1	435036804R1
PCB1	R2190	C-CARBON R	RN72K1J-680JE	1	435036804R1
PCB1	R2191	C-CARBON R	RN72K1J-680JE	1	435036804R1
PCB1	R2192	C-CARBON R	RN72K1J-680JE	1	435036804R1
PCB1	R2201	C-CARBON R	RN72K1J-475JE	1	435034754R1
PCB1	R2202	C-CARBON R	RN72K1J-475JE	1	435034754R1
PCB1	R2203	C-CARBON R	RN72K1J-475JE	1	435034754R1
PCB1	R2204	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	R2205	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB1	RL2201	RELAY	NPL-2P1A-DC4.5-169	1	25065645

PCB1	RL2201 or	RELAY	NRL-2P2A-DC4.5-173	(1)	25065658	
PCB1	RL2202	RELAY	NPL-2P1A-DC4.5-169	1	25065645	
PCB1	RL2202 or	RELAY	NRL-2P2A-DC4.5-173	(1)	25065658	
PCB1	RL2203	RELAY	NPL-2P1A-DC4.5-169	1	25065645	
PCB1	RL2203 or	RELAY	NRL-2P2A-DC4.5-173	(1)	25065658	
PCB1	RL2204	RELAY	NPL-2P1A-DC4.5-169	1	25065645	
PCB1	RL2204 or	RELAY	NRL-2P2A-DC4.5-173	(1)	25065658	
PCB1	RL2205	RELAY	NPL-2P1A-DC4.5-169	1	25065645	
PCB1	RL2205 or	RELAY	NRL-2P2A-DC4.5-173	(1)	25065658	
PCB1	P2001	PIN JACK	NPJ-10PDBY621	1	25045842	
PCB1	P2001 or	PIN JACK	NPJ-10PDBY478	(1)	25045681	
PCB1	P2002	PIN JACK	NPJ-10PDBY621	1	25045842	
PCB1	P2002 or	PIN JACK	NPJ-10PDBY478	(1)	25045681	
PCB1	P2003	PIN JACK	NPJ-10PDBY621	1	25045842	
PCB1	P2003 or	PIN JACK	NPJ-10PDBY478	(1)	25045681	
PCB1	P2004A	SOCKET	NSCT-13P2193	1	25052296	
PCB1	P2005A	SOCKET	NSCT-13P2193	1	25052296	
PCB1	P2007	PIN JACK	NPJ-5PDBY622	1	25045843	
PCB1	P2007 or	PIN JACK	NPJ-5PDBY479	(1)	25045682	
PCB1	P2201	PIN JACK	NPJ-9PDGLRGLRGLR563	1	25045781	
PCB1	P2201 or	PIN JACK	NPJ-9PDGLR519	(1)	25045731	
PCB1	P2202	PIN JACK	NPJ-3PDGLR623	1	25045844	
PCB1	E2001	TRM(SCREW)	NEGITANSI M3	1	25065425	
PCB1	JL2006A	WIRE HOL	NSCT-5P896	1	25051109	

U02 DISPLAY PC BOARD (NADIS-8513-1N/P/Q)
U03 DSP PC BOARD (NADG-8514-1N/P/Q)
U04 SWITCH PC BOARD (NASW-8515-1N/P/Q)
U05 HEADPHONE JACK PC BOARD (NASW-8516-1N/P/Q)
U06 FRONT OPT PC BOARD (NAETC-8517-1N/P/Q)
U07 IR IN TERMINAL PC BOARD (NAETC-8518-1N/P/Q)
U08 HOLDER PC BOARD (NAETC-8520-1N/P/Q)

	CIRCUIT NO	NAME	DESCRIPTION	Q'TY	PART NO	REMARKS
PCB2	U131	PHT CP	TORX177L	1	24120127	
PCB2	U132	PHT CP	TORX177L	1	24120127	
PCB2	U133	PHT CP	TORX177L	1	24120127	
PCB2	U134	PHT CP	TOTX177L	1	24120126	
PCB2	U821	REMO SENS	GP1UM281XKVFH=16MM	1	241361	
PCB2	U883	PHT CP	TORX177L	1	24120127	
PCB2	Q111	IC	BU1924FS	1	22242120R2	<PP>
PCB2	Q121	PHT CP	PC817X	1	24120080	
PCB2	Q122	TR	UNR2211	1	2217130R2	
PCB2	Q122 or	TR	RN1402	(1)	2214470R2	
PCB2	Q122 or	TR	KRC102S	(1)	2216190R2	
PCB2	Q123	TR	UNR2211	1	2217130R2	
PCB2	Q123 or	TR	RN1402	(1)	2214470R2	
PCB2	Q123 or	TR	KRC102S	(1)	2216190R2	
PCB2	Q126	TR	2SB1068-U	1	2212855	
PCB2	Q126 or	TR	2SB1068-K	(1)	2212853	
PCB2	Q127	TR	UNR2211	1	2217130R2	
PCB2	Q127 or	TR	RN1402	(1)	2214470R2	
PCB2	Q127 or	TR	KRC102S	(1)	2216190R2	
PCB2	Q131	IC	74HCU04F	1	222740046R2	
PCB2	Q151	IC	TC74VHC541FT	1	22274541ER2TO	
PCB2	Q151 or	IC	SN74AHC541PWR	(1)	22274541IR2TI	
PCB2	Q152	IC	TC74HCT7007AF	1	222740077R2TO	
PCB2	Q171	IC	TC7WU04FU	1	22240935R2	
PCB2	Q201	IC	CS494003CQZ	1	22242039R3	
PCB2	Q281	IC	MX26LV040TC	1	W0037R301456M100	
PCB2	Q282	IC	K4S161622H-UC60	1	22242152R2	
PCB2	Q282 or	IC	IC42S16100	(1)	22242123R2	
PCB2	Q401	IC	NJM4580M-D	1	22241448R2	
PCB2	Q402	IC	NJM4580M-D	1	22241448R2	
PCB2	Q403	IC	NJM4580M-D	1	22241448R2	
PCB2	Q404	IC	NJM4580M-D	1	22241448R2	
PCB2	Q421	IC	CS42518-CQZR-D	1	22242229R2	
PCB2	Q501	IC	NJM4580M-D	1	22241448R2	
PCB2	Q502	IC	NJM4580M-D	1	22241448R2	
PCB2	Q503	IC	NJM4580M-D	1	22241448R2	
PCB2	Q701	IC	M30624MHP-253FPU0	1	22242251R3	
PCB2	Q703	TR	UNR2213	1	2217140R2	
PCB2	Q703 or	TR	RN1404	(1)	2214490R2	
PCB2	Q703 or	TR	KRC104S	(1)	2216210R2	
PCB2	Q705	TR	UNR2111	1	2217110R2	

PCB2	Q705 or	TR	RN2402	(1)	2214530R2	
PCB2	Q705 or	TR	KRA102S	(1)	2216220R2	
PCB2	Q711	TR	UNR2213	1	2217140R2	
PCB2	Q711 or	TR	RN1404	(1)	2214490R2	
PCB2	Q711 or	TR	KRC104S	(1)	2216210R2	
PCB2	Q712	TR	UNR2111	1	2217110R2	
PCB2	Q712 or	TR	RN2402	(1)	2214530R2	
PCB2	Q712 or	TR	KRA102S	(1)	2216220R2	
PCB2	Q713	TR	UNR2213	1	2217140R2	
PCB2	Q713 or	TR	RN1404	(1)	2214490R2	
PCB2	Q713 or	TR	KRC104S	(1)	2216210R2	
PCB2	Q714	TR	UNR2111	1	2217110R2	
PCB2	Q714 or	TR	RN2402	(1)	2214530R2	
PCB2	Q714 or	TR	KRA102S	(1)	2216220R2	
PCB2	Q715	TR	UNR2213	1	2217140R2	
PCB2	Q715 or	TR	RN1404	(1)	2214490R2	
PCB2	Q715 or	TR	KRC104S	(1)	2216210R2	
PCB2	Q716	TR	UNR2111	1	2217110R2	
PCB2	Q716 or	TR	RN2402	(1)	2214530R2	
PCB2	Q716 or	TR	KRA102S	(1)	2216220R2	
PCB2	Q721	IC	S-812C56AUA-C3K	1	22242207R2	
PCB2	Q801	TUBE PARTS	16BT127GNK	1	213028	
PCB2	Q801A	HOLDER	(FL)	1	27191222B	
PCB2	Q802	IC	M66005-0001AHP	1	22242208R3	
PCB2	Q803	TR	KTC3875-GR	1	2216175R2	
PCB2	Q803 or	TR	2SC2712-GR	(1)	2213145R2	
PCB2	Q821	TR	UNR2111	1	2217110R2	
PCB2	Q821 or	TR	RN2402	(1)	2214530R2	
PCB2	Q821 or	TR	KRA102S	(1)	2216220R2	
PCB2	Q822	TR	UNR2211	1	2217130R2	
PCB2	Q822 or	TR	RN1402	(1)	2214470R2	
PCB2	Q822 or	TR	KRC102S	(1)	2216190R2	
PCB2	Q823	TR	UNR2111	1	2217110R2	
PCB2	Q823 or	TR	RN2402	(1)	2214530R2	
PCB2	Q823 or	TR	KRA102S	(1)	2216220R2	
PCB2	Q824	TR	UNR2211	1	2217130R2	<PA, WT>
PCB2	Q824 or	TR	RN1402	(1)	2214470R2	<PA, WT>
PCB2	Q824 or	TR	KRC102S	(1)	2216190R2	<PA, WT>
PCB2	Q824	TR	UNR2211	1	2217130R2	<GK, GR, GQ>
PCB2	Q824 or	TR	RN1402	(1)	2214470R2	<GK, GR, GQ>
PCB2	Q824 or	TR	KRC102S	(1)	2216190R2	<GK, GR, GQ>
PCB2	Q824	TR	UNR2211	1	2217130R2	<8360>
PCB2	Q824 or	TR	RN1402	(1)	2214470R2	<8360>
PCB2	Q824 or	TR	KRC102S	(1)	2216190R2	<8360>
PCB2	Q824	TR	UNR2211	1	2217130R2	<PP>
PCB2	Q824 or	TR	RN1402	(1)	2214470R2	<PP>
PCB2	Q824 or	TR	KRC102S	(1)	2216190R2	<PP>
PCB2	Q871	IC	NJM4580M-D	1	22241448R2	
PCB2	Q873	TR	RN1441	1	2215410R2	
PCB2	Q874	TR	RN1441	1	2215410R2	
PCB2	D101	ZENER D	HZU5.1B	1	224660514R2	
PCB2	D101 or	ZENER D	UDZS5.1B	(1)	224550510R2	
PCB2	D121	C-DIODE	MA2J111	1	223279R2	
PCB2	D121 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D121 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D122	C-DIODE	MA2J111	1	223279R2	
PCB2	D122 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D122 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D301	C-DIODE	MA2J111	1	223279R2	
PCB2	D301 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D301 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D302	C-DIODE	MA2J111	1	223279R2	
PCB2	D302 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D302 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D303	C-DIODE	MA2J111	1	223279R2	
PCB2	D303 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D303 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D304	C-DIODE	MA2J111	1	223279R2	
PCB2	D304 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D304 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D305	C-DIODE	MA2J111	1	223279R2	
PCB2	D305 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D305 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D306	C-DIODE	MA2J111	1	223279R2	
PCB2	D306 or	C-DIODE	1SS352	(1)	223234R2	

PCB2	D306 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D307	C-DIODE	MA2J111	1	223279R2	
PCB2	D307 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D307 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D308	C-DIODE	MA2J111	1	223279R2	
PCB2	D308 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D308 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D701	C-DIODE	MA2J111	1	223279R2	
PCB2	D701 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D701 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D702	C-DIODE	MA2J111	1	223279R2	
PCB2	D702 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D702 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D703	C-DIODE	MA2J111	1	223279R2	
PCB2	D703 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D703 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D706	C-DIODE	MA2J111	1	223279R2	
PCB2	D706 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D706 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D707	ZENER D	HZU5.1B	1	224660514R2	
PCB2	D707 or	ZENER D	UDZS5.1B	(1)	224550510R2	
PCB2	D708	C-DIODE	MA2J111	1	223279R2	
PCB2	D708 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D708 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D711	C-DIODE	MA2J111	1	223279R2	
PCB2	D711 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D711 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D811	ZENER D	HZU7.5B	1	224660754R2	
PCB2	D811 or	ZENER D	UDZS7.5B	(1)	224550750R2	
PCB2	D821	LED	SLI-343URC-TE7	1	225449	
PCB2	D822	LED	SEL4310G-D	1	225292D	
PCB2	D823	LED	SLR343BCT3F	1	225445	
PCB2	D823 or	LED	SELU2E10C-P	(1)	225437	
PCB2	D824	LED	SEL2E10C	1	225374	<PA, WT>
PCB2	D824	LED	SEL2E10C	1	225374	<GK, GR, GQ>
PCB2	D824	LED	SEL2E10C	1	225374	<8360>
PCB2	D824	LED	SEL2E10C	1	225374	<PP>
PCB2	D871	ZENER D	HZU5.1B	1	224660514R2	
PCB2	D871 or	ZENER D	UDZS5.1B	(1)	224550510R2	
PCB2	L111	CHOKE COIL	NCH-1471	1	231237K022R2	<PP>
PCB2	L111 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	<PP>
PCB2	L131	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L131 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	L132	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L132 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	L133	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L133 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	L134	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L134 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	L171	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L171 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	L172	EMIFIL	BK1608LM182-T	1	230958R1	
PCB2	L173	EMIFIL	BK1608LM182-T	1	230958R1	
PCB2	L201	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L202	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L203	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L211	EMIFIL	BK1608LL241-T	1	230959R1	
PCB2	L281	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L282	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L301	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L302	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L303	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L311	EMIFIL	BK1608LM182-T	1	230958R1	
PCB2	L312	EMIFIL	BK1608LM182-T	1	230958R1	
PCB2	L313	EMIFIL	BK1608LM182-T	1	230958R1	
PCB2	L701	CHOKE COIL	NCH-1479	1	231237K470R2	
PCB2	L811	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L811 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	L812	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L812 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	L873	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L873 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	L874	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L874 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	L881	CHOKE COIL	NCH-1471	1	231237K022R2	

PCB2	L881 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	L891	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L891 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	L892	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L892 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	L893	CHOKE COIL	NCH-1471	1	231237K022R2	
PCB2	L893 or	CHOKE COIL	NCH-1587-022M	(1)	233533M022R2	
PCB2	X111	XTL	AF6146CG	1	3010203	<PP>
PCB2	X171	CRYSTAL	HC-49U0312.288MHz	1	3010414	
PCB2	X171A	TAPE	TAPE(CLOTH-8U)	(1)	29110082	
PCB2	X701	CERA LOCK	CSTCR6M0055-R0	1	3010397R2	
PCB2	C101	VR C	CE04W16V-100M(VR)	1	394641017	
PCB2	C102	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C103	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C104	VR C	CE04W50V-3.3M(VR)	1	394680337	
PCB2	C105	VR C	CE04W50V-3.3M(VR)	1	394680337	
PCB2	C111	VR C	CE04W16V-100M(VR)	1	394641017	<PP>
PCB2	C113	C-CERA C	CK725F1E-104Z1	1	332161040R1	<PP>
PCB2	C114	VR C	CE04W50V-2.2M(VR)	1	394680227	<PP>
PCB2	C115	C-CERA C	CC725CH1H-561J1	1	342105614R1	<PP>
PCB2	C116	C-CERA C	CC725CH1H-330J1	1	342103304R1	<PP>
PCB2	C117	C-CERA C	CC725CH1H-330J1	1	342103304R1	<PP>
PCB2	C121	C-CERA C	CK725B1E-223K1	1	332112235R1	
PCB2	C122	VR C	CE04W16V-100M(VR)	1	394641017	
PCB2	C126	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C131	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C132	C-CERA C	CK725B1C-104K1	1	332121045R1	
PCB2	C133	C-CERA C	CC725CH1H-080D1	1	342100802R1	
PCB2	C134	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C135	C-CERA C	CK725B1C-104K1	1	332121045R1	
PCB2	C136	C-CERA C	CC725CH1H-080D1	1	342100802R1	
PCB2	C137	C-CERA C	CK725B1C-104K1	1	332121045R1	
PCB2	C138	C-CERA C	CC725CH1H-080D1	1	342100802R1	
PCB2	C139	VR C	CE04W16V-100M(VR)	1	394641017	
PCB2	C140	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C141	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C142	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C143	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C144	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C145	VR C	CE04W16V-100M(VR)	1	394641017	
PCB2	C146	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C151	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C152	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C171	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C172	C-CERA C	CC725CH1H-120J1	1	342101204R1	
PCB2	C173	C-CERA C	CC725CH1H-120J1	1	342101204R1	
PCB2	C201	VR C	CE04W16V-100M(VR)	1	394641017	
PCB2	C202	VR C	CE04W16V-100M(VR)	1	394641017	
PCB2	C203	VR C	CE04W16V-100M(VR)	1	394641017	
PCB2	C204	CHIP TANTAL	CS772SB1C-2.2M	1	395640227R2	
PCB2	C205	C SERA C	CC725CH1H-122J1	1	342101224R1	
PCB2	C206	C-CERA C	CC725CH1H-680J1	1	342106804R1	
PCB2	C207	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C208	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C209	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C210	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C212	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C213	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C214	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C215	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C216	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C217	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C219	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C281	VR C	CE04W16V-100M(VR)	1	394641017	
PCB2	C282	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C283	VR C	CE04W16V-100M(VR)	1	394641017	
PCB2	C284	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C287	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C288	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C301	VR C	CE04W6.3V-220M(VR)	1	394622217	
PCB2	C302	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C304	RFS C	CE04W25V-47M(RFS)	1	395954707	
PCB2	C305	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C306	VR C	CE04W16V-100M(VR)	1	394641017	
PCB2	C307	C-CERA C	CK725F1E-104Z1	1	332161040R1	

PCB2	C308	VR C	CE04W6.3V-220M(VR)	1	394622217
PCB2	C309	C-CERA C	CK725B1H-222K1	1	332102225R1
PCB2	C310	C-CERA C	CK725B1H-473K1	1	332104735R1
PCB2	C311	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB2	C312	VR C	CE04W6.3V-220M(VR)	1	394622217
PCB2	C313	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB2	C321	VX C	CE04W50V-10M(VX)	1	393381007
PCB2	C322	VX C	CE04W50V-10M(VX)	1	393381007
PCB2	C323	VX C	CE04W50V-10M(VX)	1	393381007
PCB2	C324	VX C	CE04W50V-10M(VX)	1	393381007
PCB2	C325	TF C	ECQ-B50V-222J	1	374722224
PCB2	C326	TF C	ECQ-B50V-222J	1	374722224
PCB2	C331	C-CERA C	CC725CH1H-330J1	1	342103304R1
PCB2	C332	C-CERA C	CC725CH1H-330J1	1	342103304R1
PCB2	C333	C-CERA C	CC725CH1H-330J1	1	342103304R1
PCB2	C334	C-CERA C	CC725CH1H-330J1	1	342103304R1
PCB2	C335	C-CERA C	CC725CH1H-330J1	1	342103304R1
PCB2	C336	C-CERA C	CC725CH1H-330J1	1	342103304R1
PCB2	C403	TF C	ECQ-B50V-472J	1	374724724
PCB2	C404	TF C	ECQ-V50V-333J	1	374723334
PCB2	C405	TF C	ECQ-B50V-472J	1	374724724
PCB2	C406	TF C	ECQ-B50V-472J	1	374724724
PCB2	C407	TF C	ECQ-B50V-472J	1	374724724
PCB2	C408	TF C	ECQ-B50V-472J	1	374724724
PCB2	C411	C-CERA C	CC725CH1H-101J1	1	342101014R1
PCB2	C412	C-CERA C	CC725CH1H-101J1	1	342101014R1
PCB2	C413	C-CERA C	CC725CH1H-681J1	1	342106814R1
PCB2	C415	C-CERA C	CC725CH1H-681J1	1	342106814R1
PCB2	C416	C-CERA C	CC725CH1H-681J1	1	342106814R1
PCB2	C417	C-CERA C	CC725CH1H-681J1	1	342106814R1
PCB2	C418	C-CERA C	CC725CH1H-681J1	1	342106814R1
PCB2	C419	TF C	ECQ-B50V-153J	1	374721534
PCB2	C420	TF C	ECQ-B50V-153J	1	374721534
PCB2	C421	C-CERA C	CC725CH1H-101J1	1	342101014R1
PCB2	C422	C-CERA C	CC725CH1H-101J1	1	342101014R1
PCB2	C423	C-CERA C	CC725CH1H-681J1	1	342106814R1
PCB2	C425	C-CERA C	CC725CH1H-681J1	1	342106814R1
PCB2	C426	C-CERA C	CC725CH1H-681J1	1	342106814R1
PCB2	C427	C-CERA C	CC725CH1H-681J1	1	342106814R1
PCB2	C428	C-CERA C	CC725CH1H-681J1	1	342106814R1
PCB2	C501	TF C	ECQ-B50V-272J	1	374722724
PCB2	C502	TF C	ECQ-B50V-272J	1	374722724
PCB2	C511	TF C	ECQ-B50V-122J	1	374721224
PCB2	C512	TF C	ECQ-B50V-122J	1	374721224
PCB2	C523	VX C	CE04W50V-10M(VX)	1	393381007
PCB2	C524	VX C	CE04W50V-10M(VX)	1	393381007
PCB2	C525	VX C	CE04W50V-10M(VX)	1	393381007
PCB2	C526	VX C	CE04W50V-10M(VX)	1	393381007
PCB2	C531	VR C	CE04W16V-220M(VR)	1	394642217
PCB2	C532	VR C	CE04W16V-220M(VR)	1	394642217
PCB2	C701	VR C	CE04W16V-100M(VR)	1	394641017
PCB2	C702	VR C	CE04W16V-100M(VR)	1	394641017
PCB2	C703	VR C	CE04W16V-100M(VR)	1	394641017
PCB2	C704	EDL C	DX-5R5L224	1	3000079
PCB2	C705	VR C	CE04W16V-100M(VR)	1	394641017
PCB2	C706	VR C	CE04W50V-4.7M(VR)	1	394680477
PCB2	C707	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB2	C708	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB2	C709	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB2	C710	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB2	C711	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB2	C712	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB2	C713	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB2	C714	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB2	C715	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB2	C716	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB2	C717	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB2	C718	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB2	C719	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB2	C720	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB2	C721	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB2	C722	C-CERA C	CK725B1H-102K1	1	332101025R1
PCB2	C723	C-CERA C	CK725F1E-104Z1	1	332161040R1
PCB2	C724	TF C	ECQ-V50V-124J	1	374721244
PCB2	C747	VX C	CE04W50V-10M(VX)	1	393381007

PCB2	C748	VX C	CE04W50V-10M(VX)	1	393381007	
PCB2	C749	VX C	CE04W50V-10M(VX)	1	393381007	
PCB2	C751	C-CERA C	CK732B1C-474K	1	337394745R1	
PCB2	C752	C-CERA C	CK732B1C-474K	1	337394745R1	
PCB2	C753	C-CERA C	CK732B1C-474K	1	337394745R1	
PCB2	C754	VX C	CE04W50V-10M(VX)	1	393381007	
PCB2	C801	MMT C	MMT50V-474J	1	375524744	
PCB2	C802	ELECT C	CE04W6.3V-100M(S)	1	353721019	
PCB2	C803	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C804	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C805	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C806	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C807	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C808	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C809	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C811	C-CERA C	CK725F1H-473Z1	1	332154730R1	
PCB2	C812	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C813	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C814	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C815	C-CERA C	CK725F1H-473Z1	1	332154730R1	
PCB2	C816	C-CERA C	CK725F1H-473Z1	1	332154730R1	
PCB2	C817	ELECT C	CE04W50V-33M	1	355783309	
PCB2	C818	C-CERA C	CK725F1H-473Z1	1	332154730R1	
PCB2	C819	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C820	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C821	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C822	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C823	ELECT C	CE04W6.3V-100M(S)	1	353721019	
PCB2	C825	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB2	C871	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C872	ELECT C	CE04W16V-10M(S)	1	353741009	
PCB2	C873	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C874	ELECT C	CE04W16V-47M(S)	1	353744709	
PCB2	C875	ELECT C	CE04W16V-47M(S)	1	353744709	
PCB2	C876	ELECT C	CE04W16V-47M(S)	1	353744709	
PCB2	C879	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB2	C880	ELECT C	CE04W16V-10M(S)	1	353741009	
PCB2	C881	C-CERA C	CC725CH1H-471J1	1	342104714R1	
PCB2	C882	C-CERA C	CC725CH1H-471J1	1	342104714R1	
PCB2	C883	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C884	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C885	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C886	VR C	CE04W16V-100M(VR)	1	394641017	
PCB2	C891	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB2	C892	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB2	C893	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB2	C894	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB2	C895	TF C	ECQ-V50V-124J	1	374721244	
PCB2	R101	C-CARBON R	RN72K1J-561JE	1	435035614R1	
PCB2	R102	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB2	R103	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB2	R104	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB2	R105	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB2	R106	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB2	R107	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB2	R111	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R112	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R113	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R114	C-CARBON R	RN72K1J-102JE	1	435031024R1	<PP>
PCB2	R121	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB2	R122	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R123	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R124	C-CARBON R	RN72K1J-332JE	1	435033324R1	
PCB2	R126	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB2	R127	C-CARBON R	RN72K1J-033JE	1	435030334R1	
PCB2	R128	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R131	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB2	R132	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R133	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB2	R134	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R135	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB2	R136	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R137	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB2	R138	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R139	C-CARBON R	RN72K1J-224JE	1	435032244R1	

PCB2	R140	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R141	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R142	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R143	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R144	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R161	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R162	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R163	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R164	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R165	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R166	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R171	C-CARBON R	RN72K1J-105JE	1	435031054R1
PCB2	R201	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R202	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R203	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R205	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R208	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R209	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R210	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R211	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R212	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R215	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R216	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R217	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R218	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R219	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R220	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R221	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R222	C-CARBON R	RN72K1J-103JE	1	435031034R1
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PCB2	R224	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R225	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R226	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R234	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R235	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R236	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R238	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R239	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R240	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R242	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R249	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R250	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R251	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R255	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R256	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R257	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB2	R258	C-CARBON R	RN72K1J-272JE	1	435032724R1
PCB2	R259	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R260	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R261	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R266	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R269	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R270	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R301	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R302	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R303	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R304	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R305	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R306	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R307	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R308	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R309	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB2	R311	C-CARBON R	RN72K1J-272JE	1	435032724R1
PCB2	R312	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R313	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R314	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R315	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R316	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R317	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R318	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R319	C-CARBON R	RN72K1J-470JE	1	435034704R1
PCB2	R321	C-CARBON R	RN72K1J-560JE	1	435035604R1
PCB2	R322	C-CARBON R	RN72K1J-560JE	1	435035604R1
PCB2	R323	C-CARBON R	RN72K1J-560JE	1	435035604R1
PCB2	R324	C-CARBON R	RN72K1J-560JE	1	435035604R1

PCB2	R325	C-CARBON R	RN72K1J-392JE	1	435033924R1
PCB2	R326	C-CARBON R	RN72K1J-392JE	1	435033924R1
PCB2	R331	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB2	R332	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB2	R333	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB2	R334	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB2	R335	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB2	R336	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB2	R337	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB2	R401	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R402	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R403	C-CARBON R	RN72K1J-332JE	1	435033324R1
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PCB2	R405	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R406	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R407	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R408	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R411	C-CARBON R	RN72K1J-332JE	1	435033324R1
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PCB2	R418	C-CARBON R	RN72K1J-332JE	1	435033324R1
PCB2	R421	C-CARBON R	RN72K1J-681JE	1	435036814R1
PCB2	R422	C-CARBON R	RN72K1J-681JE	1	435036814R1
PCB2	R423	C-CARBON R	RN72K1J-471JE	1	435034714R1
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PCB2	R425	C-CARBON R	RN72K1J-471JE	1	435034714R1
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PCB2	R427	C-CARBON R	RN72K1J-471JE	1	435034714R1
PCB2	R428	C-CARBON R	RN72K1J-471JE	1	435034714R1
PCB2	R431	C-CARBON R	RN72K1J-681JE	1	435036814R1
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PCB2	R433	C-CARBON R	RN72K1J-471JE	1	435034714R1
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PCB2	R438	C-CARBON R	RN72K1J-471JE	1	435034714R1
PCB2	R441	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R442	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R443	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB2	R444	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB2	R445	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB2	R446	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB2	R447	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB2	R448	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB2	R451	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R452	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R453	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB2	R454	C-CARBON R	RN72K1J-472JE	1	435034724R1
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PCB2	R457	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB2	R458	C-CARBON R	RN72K1J-472JE	1	435034724R1
PCB2	R461	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R462	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R463	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R464	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R465	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R466	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R467	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R468	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R471	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R472	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R473	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R474	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R475	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R476	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R477	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R478	C-CARBON R	RN72K1J-181JE	1	435031814R1
PCB2	R501	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB2	R502	C-CARBON R	RN72K1J-103JE	1	435031034R1

PCB2	R511	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R512	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R521	C-CARBON R	RN72K1J-152JE	1	435031524R1	
PCB2	R522	C-CARBON R	RN72K1J-152JE	1	435031524R1	
PCB2	R531	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB2	R532	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB2	R541	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB2	R542	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB2	R551	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB2	R552	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB2	R561	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB2	R562	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB2	R571	C-CARBON R	RN72K1J-152JE	1	435031524R1	
PCB2	R572	C-CARBON R	RN72K1J-152JE	1	435031524R1	
PCB2	R581	C-CARBON R	RN72K1J-152JE	1	435031524R1	
PCB2	R582	C-CARBON R	RN72K1J-152JE	1	435031524R1	
PCB2	R593	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R594	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R595	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R596	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R597	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R598	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R601	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R602	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R603	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R604	C-CARBON R	RN72K1J-105JE	1	435031054R1	
PCB2	R605	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R612	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB2	R618	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R621	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R622	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R624	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R629	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R630	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R631	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R632	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R636	C-CARBON R	RN72K1J-103JE	1	435031034R1	
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PCB2	R640	C-CARBON R	RN72K1J-103JE	1	435031034R1	
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PCB2	R646	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R647	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R648	C-CARBON R	RN72K1J-102JE	1	435031024R1	
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PCB2	R661	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB2	R663	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB2	R673	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB2	R681	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R682	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R685	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R686	C-CARBON R	RN72K1J-103JE	1	435031034R1	<PA, WT>
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PCB2	R693	C-CARBON R	RN72K1J-272JE	1	435032724R1	
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PCB2	R695	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB2	R696	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB2	R698	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R708	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R709	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R710	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R717	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R718	C-CARBON R	RN72K1J-221JE	1	435032214R1	

PCB2	R719	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R727	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R728	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R729	C-CARBON R	RN72K1J-100JE	1	435031004R1	
PCB2	R730	C-CARBON R	RN72K1J-100JE	1	435031004R1	
PCB2	R731	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R732	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R733	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R734	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R736	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R747	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R748	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R749	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R758	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R759	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R763	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R765	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R766	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R767	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R771	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R772	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R773	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB2	R774	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R775	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R781	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R782	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R783	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R784	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R786	C-CARBON R	RN72K1J-103JE	1	435031034R1	<DD, DC>
PCB2	R786	C-CARBON R	RN72K1J-333JE	1	435033334R1	<PA, WT>
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PCB2	R787	C-CARBON R	RN72K1J-103JE	1	435031034R1	<PA, WT>
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PCB2	R790	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R791	C-CARBON R	RN72K1J-472JE	1	435034724R1	
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PCB2	R793	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R794	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R795	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R797	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R800	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R801	C-CARBON R	RN72K1J-273JE	1	435032734R1	
PCB2	R802	C-CARBON R	RN72K1J-332JE	1	435033324R1	
PCB2	R803	C-CARBON R	RN72K1J-332JE	1	435033324R1	
PCB2	R804	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R805	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R806	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R807	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R808	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB2	R810	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB2	R811	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R812	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R813	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R814	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R821	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R822	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R823	C-CARBON R	RN72K1J-560JE	1	435035604R1	
PCB2	R824	C-CARBON R	RN72K1J-560JE	1	435035604R1	
PCB2	R825	C-CARBON R	RN72K1J-560JE	1	435035604R1	<PA, WT>
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PCB2	R831	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB2	R832	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R833	C-CARBON R	RN72K1J-561JE	1	435035614R1	
PCB2	R834	C-CARBON R	RN72K1J-821JE	1	435038214R1	
PCB2	R835	C-CARBON R	RN72K1J-122JE	1	435031224R1	
PCB2	R836	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R841	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB2	R842	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R843	C-CARBON R	RN72K1J-561JE	1	435035614R1	
PCB2	R844	C-CARBON R	RN72K1J-821JE	1	435038214R1	
PCB2	R845	C-CARBON R	RN72K1J-122JE	1	435031224R1	
PCB2	R846	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R847	C-CARBON R	RN72K1J-392JE	1	435033924R1	
PCB2	R851	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB2	R852	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R853	C-CARBON R	RN72K1J-561JE	1	435035614R1	
PCB2	R854	C-CARBON R	RN72K1J-821JE	1	435038214R1	
PCB2	R855	C-CARBON R	RN72K1J-122JE	1	435031224R1	
PCB2	R856	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R857	C-CARBON R	RN72K1J-392JE	1	435033924R1	
PCB2	R858	C-CARBON R	RN72K1J-123JE	1	435031234R1	
PCB2	R861	C-CARBON R	RN72K1J-331JE	1	435033314R1	
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PCB2	R863	C-CARBON R	RN72K1J-561JE	1	435035614R1	
PCB2	R864	C-CARBON R	RN72K1J-821JE	1	435038214R1	
PCB2	R865	C-CARBON R	RN72K1J-122JE	1	435031224R1	
PCB2	R866	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R867	C-CARBON R	RN72K1J-392JE	1	435033924R1	
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PCB2	R869	C-CARBON R	RN72K1J-330JE	1	435033304R1	
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PCB2	R871	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB2	R872	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB2	R873	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R874	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R875	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB2	R876	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R877	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB2	R878	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB2	R879	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R880	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R881	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB2	R883	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB2	R884	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB2	R885	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB2	R886	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB2	R887	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB2	R889	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	P101A	SOCKET	NSCT-15P2108	1	25052211	
PCB2	P121	ST JACK	HSJ1002-01-1020	1	25045647	
PCB2	P131	PIN JACK	NPJ-2PDO445	1	25045640	
PCB2	P131 or	PIN JACK	NPJ-2PDOO626	(1)	25045847	
PCB2	P301A	SOCKET	NSCT-10P2190	1	25052293	
PCB2	P302A	SOCKET	NSCT-20P2200	1	25052303	
PCB2	P303A	SOCKET	NSCT-20P2200	1	25052303	
PCB2	P311A	SOCKET AS	NSAS-20P1043	1	2002A392025UL	
PCB2	P312	HOLDER	HOLDER(CLAMP)	1	27190540-1	
PCB2	P701A	SOCKET	NSCT-40P2274	1	25052377	
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PCB2	P721	ST JACK	LGY2502-0200C	1	25045696	
PCB2	P751A	SOCKET	NSCT-9P2427	1	25052530	
PCB2	P871	PIN JACK	NPJ-7PDB477	1	25045680	
PCB2	P872	JACK	LGT1516-0101	1	25045396	
PCB2	P891	ST JACK	MSJ-064-05A SR	1	25045783	
PCB2	P891 or	ST JACK	YKB21-5005	(1)	25045724	
PCB2	P2004	PLUG	NPLG-13P0968	1	25056018	
PCB2	P2005	PLUG	NPLG-13P0968	1	25056018	
PCB2	S801	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S801 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S802	PUSH SW	NPS-111-S681	1	25035718	<PA, WT>
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PCB2	S804	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S804 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S805	PUSH SW	NPS-111-S681	1	25035718	
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PCB2	S806	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S806 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S807	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S807 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S811	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S811 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S812	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S812 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S813	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S813 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S814	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S814 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S815	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S815 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S816	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S816 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S817	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S817 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S818	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S818 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S821	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S821 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S822	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S822 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S823	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S823 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S824	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S824 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S825	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S825 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S826	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S826 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S827	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S827 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S828	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S828 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S829	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S829 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S831	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S831 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S832	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S832 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S833	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S833 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S834	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S834 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S835	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S835 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S836	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S836 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S837	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S837 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S838	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S838 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S839	PUSH SW	NPS-111-S681	1	25035718	
PCB2	S839 or	PUSH SW	NPS-111-S677	(1)	25035714	
PCB2	S851	R ENCODE	EC12E2425	1	25065655	
PCB2	E301	TRM	NTM-1P233(M1969)	1	25060302	
PCB2	E301A	ISO PLT	---	1	28175316	
PCB2	E883	RETAINER	(A)	1	27141973	
PCB2	E892	RETAINER	KANAGU	1	27141059	
PCB2	JL121A	WIRE HOL	NSCT-6P877	1	25051090	
PCB2	JL121B	WIRE HOL	NSCT-6P877	1	25051090	

PCB2	JL831A	WIRE HOL	NSCT-7P898	1	25051111	
PCB2	JL831B	WIRE HOL	NSCT-7P898	1	25051111	
PCB2	JL883A	WIRE HOL	NSCT-3P894	1	25051107	
PCB2	JL883B	WIRE HOL	NSCT-3P894	1	25051107	
PCB2	JL891A	WIRE HOL	NSCT-5P896	1	25051109	

U09 AMPLIFIER PC BOARD (NAAF-8523-1K/L)
U10 SEC. TERMINAL-2 PC BOARD (NAPS-8524-1K/L)
U11 SBR AMPLIFIER PC BOARD (NAETC-8525-1K/L)
U12 THERMAL SENSOR PC BOARD (NAETC-8526-1K/L)
U13 HOLDER PC BOARD (NAETC-8527-1K/L)

	CIRCUIT NO	NAME	DESCRIPTION	Q'TY	PART NO	REMARKS
PCB3	Q5501	IC	NJW1157B	1	22242193R3	
PCB3	Q5502	IC	NJU7311AM	1	22242209R2	
PCB3	Q5503	IC	NJM4580M-D	1	22241448R2	
PCB3	Q5600	TR	RN1441	1	2215410R2	
PCB3	Q5601	TR	RN1441	1	2215410R2	
PCB3	Q5602	TR	RN1441	1	2215410R2	
PCB3	Q5603	TR	RN1441	1	2215410R2	
PCB3	Q5604	TR	RN1441	1	2215410R2	
PCB3	Q5605	TR	RN1441	1	2215410R2	
PCB3	Q5606	TR	RN1441	1	2215410R2	
PCB3	Q5607	TR	RN1441	1	2215410R2	
PCB3	Q5608	TR	RN1441	1	2215410R2	
PCB3	Q5609	TR	RN1441	1	2215410R2	
PCB3	Q5617	TR	RN1441	1	2215410R2	
PCB3	Q5630	IC	NJM4580M-D	1	22241448R2	
PCB3	Q5640	IC	AN34060A	1	22242205	
PCB3	Q5650	TR	2SB1068-U	1	2212855	
PCB3	Q5650 or	TR	2SB1068-K	(1)	2212853	
PCB3	Q5651	TR	RN1402	1	2214470R2	
PCB3	Q5651 or	TR	KRC102S	(1)	2216190R2	
PCB3	Q5651 or	TR	UNR2211	(1)	2217130R2	
PCB3	Q5652	TR	RN2402	1	2214530R2	
PCB3	Q5652 or	TR	KRA102S	(1)	2216220R2	
PCB3	Q5652 or	TR	UNR2111	(1)	2217110R2	
PCB3	Q5653	TR	2SD1468S-R	1	2215024	
PCB3	Q5654	IC	LM2940CT-5.0	1	22242242	
PCB3	Q5654A	SCREW	3P+10FN(BC)	1	82143010	
PCB3	Q5654B	TR ACCY	MT-25	1	223034	
PCB3	Q5654C	ISO SHEET	ISO SHEET	1	223026	
PCB3	Q5655	IC(REGURATOR)	79005HF(TA79005S)	1	222790054TOS	
PCB3	Q5655 or	IC(REGULATOR)	79M05FA	(1)	222790055	
PCB3	Q5655A	SCREW	3P+10FN(BC)	1	82143010	
PCB3	Q5660	IC(REGURATOR)	7812HF(TA7812S)	1	222780124TOS	
PCB3	Q5660 or	IC(REGULATOR)	78M12HF	(1)	222780125	
PCB3	Q5660A	SCREW	3P+10FN(BC)	1	82143010	
PCB3	Q5661	IC(REGURATOR)	79012HF(TA79012S)	1	222790124TOS	
PCB3	Q5661 or	IC(REGULATOR)	79M12HF	(1)	222790125	
PCB3	Q5661A	SCREW	3P+10FN(BC)	1	82143010	
PCB3	Q5661B	HEAT SINK	RAD-213	1	27160570	
PCB3	Q5661C	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
PCB3	Q5671	IC(REGULATOR)	78L07(SMT)	1	222780073R2	
PCB3	Q5672	IC(REGULATOR)	79L07(SMT)	1	222790073R2	
PCB3	Q6010	TR	2SC1740S-S	1	2213285	
PCB3	Q6011	TR	2SC1740S-S	1	2213285	
PCB3	Q6012	TR	2SC1740S-S	1	2213285	
PCB3	Q6013	TR	2SC1740S-S	1	2213285	
PCB3	Q6014	TR	2SC1740S-S	1	2213285	
PCB3	Q6015	TR	2SC1740S-S	1	2213285	
PCB3	Q6016	TR	2SC1740S-S	1	2213285	
PCB3	Q6020	TR	2SC1740S-S	1	2213285	
PCB3	Q6021	TR	2SC1740S-S	1	2213285	
PCB3	Q6022	TR	2SC1740S-S	1	2213285	
PCB3	Q6023	TR	2SC1740S-S	1	2213285	
PCB3	Q6024	TR	2SC1740S-S	1	2213285	
PCB3	Q6025	TR	2SC1740S-S	1	2213285	
PCB3	Q6026	TR	2SC1740S-S	1	2213285	
PCB3	Q6030	TR	2SC5171	1	2203010	
PCB3	Q6030 or	TR	2SC5993-Q,P	(1)	2217161	
PCB3	Q6031	TR	2SC5171	1	2203010	
PCB3	Q6031 or	TR	2SC5993-Q,P	(1)	2217161	
PCB3	Q6032	TR	2SC5171	1	2203010	
PCB3	Q6032 or	TR	2SC5993-Q,P	(1)	2217161	

PCB3	Q6033	TR	2SC5171	1	2203010
PCB3	Q6033 or	TR	2SC5993-Q,P	(1)	2217161
PCB3	Q6034	TR	2SC5171	1	2203010
PCB3	Q6034 or	TR	2SC5993-Q,P	(1)	2217161
PCB3	Q6035	TR	2SC5171	1	2203010
PCB3	Q6035 or	TR	2SC5993-Q,P	(1)	2217161
PCB3	Q6036	TR	2SC5171	1	2203010
PCB3	Q6036 or	TR	2SC5993-Q,P	(1)	2217161
PCB3	Q6040	TR	2SA1930	1	2203000
PCB3	Q6040 or	TR	2SA2140-Q,P	(1)	2217151
PCB3	Q6041	TR	2SA1930	1	2203000
PCB3	Q6041 or	TR	2SA2140-Q,P	(1)	2217151
PCB3	Q6042	TR	2SA1930	1	2203000
PCB3	Q6042 or	TR	2SA2140-Q,P	(1)	2217151
PCB3	Q6043	TR	2SA1930	1	2203000
PCB3	Q6043 or	TR	2SA2140-Q,P	(1)	2217151
PCB3	Q6044	TR	2SA1930	1	2203000
PCB3	Q6044 or	TR	2SA2140-Q,P	(1)	2217151
PCB3	Q6045	TR	2SA1930	1	2203000
PCB3	Q6045 or	TR	2SA2140-Q,P	(1)	2217151
PCB3	Q6046	TR	2SA1930	1	2203000
PCB3	Q6046 or	TR	2SA2140-Q,P	(1)	2217151
PCB3	Q6070	TR	2SC2229-Y	1	2211634
PCB3	Q6070 or	TR	2SC2229-O	(1)	2211633
PCB3	Q6071	TR	2SC2229-Y	1	2211634
PCB3	Q6071 or	TR	2SC2229-O	(1)	2211633
PCB3	Q6072	TR	2SC2229-Y	1	2211634
PCB3	Q6072 or	TR	2SC2229-O	(1)	2211633
PCB3	Q6073	TR	2SC2229-Y	1	2211634
PCB3	Q6073 or	TR	2SC2229-O	(1)	2211633
PCB3	Q6074	TR	2SC2229-Y	1	2211634
PCB3	Q6074 or	TR	2SC2229-O	(1)	2211633
PCB3	Q6075	TR	2SC2229-Y	1	2211634
PCB3	Q6075 or	TR	2SC2229-O	(1)	2211633
PCB3	Q6076	TR	2SC2229-Y	1	2211634
PCB3	Q6076 or	TR	2SC2229-O	(1)	2211633
PCB3	Q6380	IC	LM61CIZ	1	22242212
PCB3	Q6701	TR	2SC2240-GR	1	2211405
PCB3	Q6701 or	TR	2SC2240-BL	(1)	2211406
PCB3	Q6701 or	TR	KTC3200-GR	(1)	2215895
PCB3	Q6701 or	TR	KTC3200-BL	(1)	2215896
PCB3	Q6702	TR	2SC2240-GR	1	2211405
PCB3	Q6702 or	TR	2SC2240-BL	(1)	2211406
PCB3	Q6702 or	TR	KTC3200-GR	(1)	2215895
PCB3	Q6702 or	TR	KTC3200-BL	(1)	2215896
PCB3	Q6703	TR	KTA1268-BL	1	2215886
PCB3	Q6703 or	TR	2SA992-F	(1)	2211792
PCB3	Q6703 or	TR	2SA992-E	(1)	2211793
PCB3	Q6703 or	TR	2SA1123-R	(1)	2214974
PCB3	Q6703 or	TR	KTA1268-GR	(1)	2215885
PCB3	Q6901	TR	KTC3199-GR	1	2215864
PCB3	Q6901 or	TR	2SC2458-GR	(1)	2212115
PCB3	Q6901 or	TR	2SC1740S-R	(1)	2213284
PCB3	Q6901 or	TR	2SC1740S-S	(1)	2213285
PCB3	D5650	DIODE	1SS133	1	223163
PCB3	D5650 or	DIODE	1SS270A	(1)	223205
PCB3	D5650 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D5651	C-DIODE	MA2J111	1	223279R2
PCB3	D5651 or	C-DIODE	1SS352	(1)	223234R2
PCB3	D5651 or	C-DIODE	1SS355	(1)	223269R2
PCB3	D5710	DIODE	1SS133	1	223163
PCB3	D5710 or	DIODE	1SS270A	(1)	223205
PCB3	D5710 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D5711	DIODE	1SS133	1	223163
PCB3	D5711 or	DIODE	1SS270A	(1)	223205
PCB3	D5711 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6000	DIODE	1SS133	1	223163
PCB3	D6000 or	DIODE	1SS270A	(1)	223205
PCB3	D6000 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6001	DIODE	1SS133	1	223163
PCB3	D6001 or	DIODE	1SS270A	(1)	223205
PCB3	D6001 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6002	DIODE	1SS133	1	223163
PCB3	D6002 or	DIODE	1SS270A	(1)	223205
PCB3	D6002 or	DIODE	1SS133(DS)	(1)	223280

PCB3	D6003	DIODE	1SS133	1	223163
PCB3	D6003 or	DIODE	1SS270A	(1)	223205
PCB3	D6003 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6004	DIODE	1SS133	1	223163
PCB3	D6004 or	DIODE	1SS270A	(1)	223205
PCB3	D6004 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6005	DIODE	1SS133	1	223163
PCB3	D6005 or	DIODE	1SS270A	(1)	223205
PCB3	D6005 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6006	DIODE	1SS133	1	223163
PCB3	D6006 or	DIODE	1SS270A	(1)	223205
PCB3	D6006 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6010	DIODE	1SS133	1	223163
PCB3	D6010 or	DIODE	1SS270A	(1)	223205
PCB3	D6010 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6011	DIODE	1SS133	1	223163
PCB3	D6011 or	DIODE	1SS270A	(1)	223205
PCB3	D6011 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6012	DIODE	1SS133	1	223163
PCB3	D6012 or	DIODE	1SS270A	(1)	223205
PCB3	D6012 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6013	DIODE	1SS133	1	223163
PCB3	D6013 or	DIODE	1SS270A	(1)	223205
PCB3	D6013 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6014	DIODE	1SS133	1	223163
PCB3	D6014 or	DIODE	1SS270A	(1)	223205
PCB3	D6014 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6015	DIODE	1SS133	1	223163
PCB3	D6015 or	DIODE	1SS270A	(1)	223205
PCB3	D6015 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6016	DIODE	1SS133	1	223163
PCB3	D6016 or	DIODE	1SS270A	(1)	223205
PCB3	D6016 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6701	DIODE	1SS133	1	223163
PCB3	D6701 or	DIODE	1SS270A	(1)	223205
PCB3	D6701 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6702	DIODE	1SS133	1	223163
PCB3	D6702 or	DIODE	1SS270A	(1)	223205
PCB3	D6702 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6703	ZENER D	MTZJ5.1B	1	224470512
PCB3	D6703 or	ZENER D	DZ-5.1BSB	(1)	224850512
PCB3	D6704	ZENER D	MTZJ5.1B	1	224470512
PCB3	D6704 or	ZENER D	DZ-5.1BSB	(1)	224850512
PCB3	D6901	DIODE	1SS133	1	223163
PCB3	D6901 or	DIODE	1SS270A	(1)	223205
PCB3	D6901 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6902	DIODE	1SS133	1	223163
PCB3	D6902 or	DIODE	1SS270A	(1)	223205
PCB3	D6902 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D6904	DIODE	D10XB60H	1	22380337
PCB3	D6904A	HEAT SINK	RAD-196	1	27160545
PCB3	D6904B	SCREW	3P+10FN(BC)	1	82143010
PCB3	D6904C	TAPE	TAPE(CLOTH-16U)	(1)	29110083
PCB3	D6905	DIODE	D10XB60H	1	22380337
PCB3	D6905B	SCREW	3P+10FN(BC)	1	82143010
PCB3	D6906	DIODE	1SS133	1	223163
PCB3	D6906 or	DIODE	1SS270A	(1)	223205
PCB3	D6906 or	DIODE	1SS133(DS)	(1)	223280
PCB3	D9005	DIODE	D3SBA20	1	22380271
PCB3	D9005 or	DIODE	RS403M	(1)	22380285
PCB3	D9005A	HEAT SINK	(S3)	1	27160357
PCB3	D9005B	SCREW	3P+10FN(BC)	1	82143010
PCB3	D9011	DIODE	RL1N4003	1	22380260
PCB3	D9011 or	DIODE	GP104003E	(1)	22380035
PCB3	D9020	DIODE	RL1N4003	1	22380260
PCB3	D9020 or	DIODE	GP104003E	(1)	22380035
PCB3	D9021	DIODE	RL1N4003	1	22380260
PCB3	D9021 or	DIODE	GP104003E	(1)	22380035
PCB3	C5503	TF C	ECQ-B50V-221K	1	374722215
PCB3	C5504	TF C	ECQ-B50V-221K	1	374722215
PCB3	C5507	C-CERA C	CC725CH1H-221J1	1	342102214R1
PCB3	C5508	C-CERA C	CC725CH1H-221J1	1	342102214R1
PCB3	C5509	C-CERA C	CC725CH1H-221J1	1	342102214R1
PCB3	C5510	C-CERA C	CC725CH1H-221J1	1	342102214R1
PCB3	C5513	C-CERA C	CC725CH1H-221J1	1	342102214R1

PCB3	C5514	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C5517	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C5518	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C5519	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C5520	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C5521	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C5522	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C5523	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C5524	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C5529	C-CERA C	CC725CH1H-102J1	1	342101024R1	<DD,DC>
PCB3	C5529	C-CERA C	CC725CH1H-102J1	1	342101024R1	<PP, PA>
PCB3	C5529	C-CERA C	CC725CH1H-102J1	1	342101024R1	<WT>
PCB3	C5529	C-CERA C	CC725CH1H-102J1	1	342101024R1	<GK, GR, GQ>
PCB3	C5529	C-CERA C	CC725CH1H-102J1	1	342101024R1	<8360>
PCB3	C5550	VX C	CE04W50V-4.7M(VX)	1	393380477	
PCB3	C5551	MMT C	MMT50V-224J	1	375522244	
PCB3	C5552	TF C	ECQ-B50V-472J	1	374724724	
PCB3	C5553	VX C	CE04W50V-4.7M(VX)	1	393380477	
PCB3	C5554	MMT C	MMT50V-224J	1	375522244	
PCB3	C5555	TF C	ECQ-B50V-472J	1	374724724	
PCB3	C5556	VX C	CE04W25V-47M(VX)	1	393354707	
PCB3	C5557	VX C	CE04W25V-47M(VX)	1	393354707	
PCB3	C5558	VX C	CE04W25V-47M(VX)	1	393354707	
PCB3	C5559	VX C	CE04W25V-47M(VX)	1	393354707	
PCB3	C5560	VX C	CE04W25V-47M(VX)	1	393354707	
PCB3	C5561	VX C	CE04W25V-47M(VX)	1	393354707	
PCB3	C5562	VX C	CE04W25V-47M(VX)	1	393354707	
PCB3	C5563	VX C	CE04W25V-47M(VX)	1	393354707	
PCB3	C5564	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5565	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5566	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5567	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5568	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5569	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5570	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5571	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5572	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5573	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5574	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5575	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5576	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5577	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5578	VX C	CE04W50V-1M(VX)	1	393380107	
PCB3	C5590	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB3	C5591	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB3	C5600	VX C	CE04W50V-47M(VX)	1	393384707	
PCB3	C5601	VX C	CE04W50V-47M(VX)	1	393384707	
PCB3	C5602	VX C	CE04W50V-47M(VX)	1	393384707	
PCB3	C5603	VX C	CE04W50V-47M(VX)	1	393384707	
PCB3	C5604	VX C	CE04W50V-47M(VX)	1	393384707	
PCB3	C5605	VX C	CE04W50V-47M(VX)	1	393384707	
PCB3	C5606	VX C	CE04W50V-47M(VX)	1	393384707	
PCB3	C5607	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5608	VX C	CE04W50V-47M(VX)	1	393384707	
PCB3	C5609	VX C	CE04W50V-47M(VX)	1	393384707	
PCB3	C5630	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5631	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C5632	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB3	C5640	VX C	CE04W50V-22M(VX)	1	393382207	
PCB3	C5641	VX C	CE04W50V-22M(VX)	1	393382207	
PCB3	C5642	VX C	CE04W50V-22M(VX)	1	393382207	
PCB3	C5643	VX C	CE04W50V-22M(VX)	1	393382207	
PCB3	C5650	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5651	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5652	VX C	CE04W25V-220M(VX)	1	393352217	
PCB3	C5653	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5660	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5661	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5662	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5663	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5664	VX C	CE04W25V-100M(VX)	1	393351017	
PCB3	C5665	VX C	CE04W25V-100M(VX)	1	393351017	
PCB3	C5666	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5667	VX C	CE04W50V-10M(VX)	1	393381007	
PCB3	C5668	VX C	CE04W25V-220M(VX)	1	393352217	

PCB3	C5669	VX C	CE04W25V-220M(VX)	1	393352217
PCB3	C5671	VX C	CE04W50V-10M(VX)	1	393381007
PCB3	C5672	VX C	CE04W50V-10M(VX)	1	393381007
PCB3	C5673	VX C	CE04W25V-220M(VX)	1	393352217
PCB3	C5674	VX C	CE04W25V-220M(VX)	1	393352217
PCB3	C5702	C-CERA C	CK725B1H-103K1	1	332101035R1
PCB3	C5704	C-CERA C	CK725B1H-103K1	1	332101035R1
PCB3	C5706	C-CERA C	CK725B1H-103K1	1	332101035R1
PCB3	C5708	C-CERA C	CK725B1H-103K1	1	332101035R1
PCB3	C5709	C-CERA C	CK725B1H-103K1	1	332101035R1
PCB3	C5710	C-CERA C	CK725B1H-103K1	1	332101035R1
PCB3	C5712	TF C	ECQ-B50V-102J	1	374721024
PCB3	C6040	ELECT C	CE04W50V-47M(VZ)	1	394584707
PCB3	C6041	ELECT C	CE04W50V-47M(VZ)	1	394584707
PCB3	C6042	ELECT C	CE04W50V-47M(VZ)	1	394584707
PCB3	C6043	ELECT C	CE04W50V-47M(VZ)	1	394584707
PCB3	C6044	ELECT C	CE04W50V-47M(VZ)	1	394584707
PCB3	C6045	ELECT C	CE04W50V-47M(VZ)	1	394584707
PCB3	C6046	ELECT C	CE04W50V-47M(VZ)	1	394584707
PCB3	C6230	TF C	ECQ-V50V-473J	1	374724734
PCB3	C6231	TF C	ECQ-V50V-473J	1	374724734
PCB3	C6232	TF C	ECQ-V50V-473J	1	374724734
PCB3	C6233	TF C	ECQ-V50V-473J	1	374724734
PCB3	C6234	TF C	ECQ-V50V-473J	1	374724734
PCB3	C6235	TF C	ECQ-V50V-473J	1	374724734
PCB3	C6236	TF C	ECQ-V50V-473J	1	374724734
PCB3	C6701	VR C	CE04W16V-100M(VR)	1	394641017
PCB3	C6703	CERA C	CK45F50V-223Z	1	335622230
PCB3	C6704	VX C	CE04W100V-1M(VX)	1	393390107
PCB3	C6706	VR C	CE04W16V-100M(VR)	1	394641017
PCB3	C6901	ELECT C	CE69W63V-10000MA	1	3504417
PCB3	C6901A	TAPE	TAPE(CLOTH-16U)	(1)	29110083
PCB3	C6902	ELECT C	CE69W63V-10000MA	1	3504417
PCB3	C6902A	TAPE	TAPE(CLOTH-16U)	(1)	29110083
PCB3	C6903	TF C	ECQ-B50V-102J	1	374721024
PCB3	C6904	TF C	ECQ-V100-334J	1	374733344
PCB3	C6905	TF C	ECQ-V100-334J	1	374733344
PCB3	C6906	TF C	ECQ-V50V-104J	1	374721044
PCB3	C6907	TF C	ECQ-V50V-104J	1	374721044
PCB3	C9005	MMT C	MMT50V-334J	1	375523344
PCB3	C9010	VR C	CE04W16V-6800M(VR)	1	394646827S
PCB3	C9017	TF C	ECQ-B50V-102J	1	374721024
PCB3	C9020	VR C	CE04W16V-1000M(VR)	1	394641027
PCB3	C9021	VR C	CE04W16V-1000M(VR)	1	394641027
PCB3	R5503	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5504	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5505	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5506	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5507	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5508	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5513	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5514	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5515	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5516	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5517	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5518	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5519	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5520	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5521	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5522	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5523	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5524	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5525	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5526	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5529	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB3	R5545	C-CARBON R	RN72K1J-563JE	1	435035634R1
PCB3	R5546	C-CARBON R	RN72K1J-563JE	1	435035634R1
PCB3	R5551	C-CARBON R	RN72K1J-563JE	1	435035634R1
PCB3	R5552	C-CARBON R	RN72K1J-563JE	1	435035634R1
PCB3	R5555	C-CARBON R	RN72K1J-563JE	1	435035634R1
PCB3	R5556	C-CARBON R	RN72K1J-563JE	1	435035634R1
PCB3	R5561	C-CARBON R	RN72K1J-563JE	1	435035634R1
PCB3	R5562	C-CARBON R	RN72K1J-563JE	1	435035634R1
PCB3	R5563	C-CARBON R	RN72K1J-563JE	1	435035634R1
PCB3	R5564	C-CARBON R	RN72K1J-563JE	1	435035634R1

PCB3	R5565	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB3	R5566	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB3	R5569	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB3	R5581	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB3	R5582	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB3	R5583	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB3	R5587	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB3	R5588	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB3	R5589	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB3	R5590	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB3	R5591	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB3	R5592	C-CARBON R	RN72K1J-471JE	1	435034714R1
PCB3	R5593	C-CARBON R	RN72K1J-122JE	1	435031224R1
PCB3	R5594	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB3	R5595	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB3	R5596	C-CARBON R	RN72K1J-471JE	1	435034714R1
PCB3	R5597	C-CARBON R	RN72K1J-122JE	1	435031224R1
PCB3	R5598	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB3	R5599	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB3	R5600	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB3	R5601	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB3	R5602	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB3	R5603	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB3	R5604	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB3	R5605	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB3	R5606	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB3	R5607	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB3	R5608	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB3	R5609	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB3	R5610	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB3	R5611	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB3	R5612	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB3	R5613	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB3	R5614	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB3	R5615	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB3	R5616	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB3	R5617	C-CARBON R	RN72K1J-271JE	1	435032714R1
PCB3	R5618	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB3	R5619	C-CARBON R	RN72K1J-222JE	1	435032224R1
PCB3	R5620	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5621	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5622	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5623	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5624	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5625	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5626	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5627	C-CARBON R	RN72K1J-101JE	1	435031014R1
PCB3	R5630	C-CARBON R	RN72K1J-221JE	1	435032214R1
PCB3	R5631	C-CARBON R	RN72K1J-473JE	1	435034734R1
PCB3	R5632	C-CARBON R	RN72K1J-153JE	1	435031534R1
PCB3	R5633	C-CARBON R	RN72K1J-122JE	1	435031224R1
PCB3	R5634	C-CARBON R	RN72K1J-103JE	1	435031034R1
PCB3	R5640	CARBON R	R25J-0.22	1	415472294
PCB3	R5650	CARBON R	R25J-0.22	1	415472294
PCB3	R5651	CARBON R	R25J-0.22	1	415472294
PCB3	R5652	C-CARBON R	RN72K1J-473JE	1	435034734R1
PCB3	R5653	C-CARBON R	RN72K1J-102JE	1	435031024R1
PCB3	R5655	C-CARBON R	RN72K1J-183JE	1	435031834R1
PCB3	R5656	C-CARBON R	RN72K1J-473JE	1	435034734R1
PCB3	R5660	METAL O R	RS2WBJ-12	1	442721204F
PCB3	R5661	METAL O R	RS2WBJ-22	1	442722204F
PCB3	R5662	C-CARBON R	RN72K1J-220JE	1	435032204R1
PCB3	R5663	C-CARBON R	RN72K1J-220JE	1	435032204R1
PCB3	R5664	CARBON R	R16J-22	1	417342204
PCB3	R5665	CARBON R	R16J-22	1	417342204
PCB3	R5666	CARBON R	R16J-22	1	417342204
PCB3	R5667	CARBON R	R16J-22	1	417342204
PCB3	R5671	CARBON R	R16J-22	1	417342204
PCB3	R5672	CARBON R	R16J-22	1	417342204
PCB3	R5680	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB3	R5681	C-CARBON R	RN72K1J-104JE	1	435031044R1
PCB3	R5682	CARBON R	R16J-100K	1	417341044
PCB3	R5700	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5702	C-CARBON R	RN72K1J-331JE	1	435033314R1
PCB3	R5705	CARBON R	R16J-330	1	417343314

PCB3	R5707	CARBON R	R16J-330	1	417343314
PCB3	R5800	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5801	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5802	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5803	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5804	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5805	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5806	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5807	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5810	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R5813	C-CARBON R	RN72K1J-000JE	1	435030004R1
PCB3	R6000	CARBON R	R16J-5.6K	1	417345624
PCB3	R6001	CARBON R	R16J-5.6K	1	417345624
PCB3	R6002	CARBON R	R16J-5.6K	1	417345624
PCB3	R6003	CARBON R	R16J-5.6K	1	417345624
PCB3	R6004	CARBON R	R16J-5.6K	1	417345624
PCB3	R6005	CARBON R	R16J-5.6K	1	417345624
PCB3	R6006	CARBON R	R16J-5.6K	1	417345624
PCB3	R6010	CARBON R	R16J-3.9K	1	417343924
PCB3	R6011	CARBON R	R16J-3.9K	1	417343924
PCB3	R6012	CARBON R	R16J-3.9K	1	417343924
PCB3	R6013	CARBON R	R16J-3.9K	1	417343924
PCB3	R6014	CARBON R	R16J-3.9K	1	417343924
PCB3	R6015	CARBON R	R16J-3.9K	1	417343924
PCB3	R6016	CARBON R	R16J-3.9K	1	417343924
PCB3	R6020	NF CARBON R	R25J-2.2	1	415470224
PCB3	R6021	NF CARBON R	R25J-2.2	1	415470224
PCB3	R6022	NF CARBON R	R25J-2.2	1	415470224
PCB3	R6023	NF CARBON R	R25J-2.2	1	415470224
PCB3	R6024	NF CARBON R	R25J-2.2	1	415470224
PCB3	R6025	NF CARBON R	R25J-2.2	1	415470224
PCB3	R6026	NF CARBON R	R25J-2.2	1	415470224
PCB3	R6030	CARBON R	R16J-470	1	417344714
PCB3	R6031	CARBON R	R16J-470	1	417344714
PCB3	R6032	CARBON R	R16J-470	1	417344714
PCB3	R6033	CARBON R	R16J-470	1	417344714
PCB3	R6034	CARBON R	R16J-470	1	417344714
PCB3	R6035	CARBON R	R16J-470	1	417344714
PCB3	R6036	CARBON R	R16J-470	1	417344714
PCB3	R6040	TRIM R	N06HR2KBC	1	5210390
PCB3	R6041	TRIM R	N06HR2KBC	1	5210390
PCB3	R6042	TRIM R	N06HR2KBC	1	5210390
PCB3	R6043	TRIM R	N06HR2KBC	1	5210390
PCB3	R6044	TRIM R	N06HR2KBC	1	5210390
PCB3	R6045	TRIM R	N06HR2KBC	1	5210390
PCB3	R6046	TRIM R	N06HR2KBC	1	5210390
PCB3	R6051	CARBON R	R16J-3.3K	1	417343324
PCB3	R6052	CARBON R	R16J-3.3K	1	417343324
PCB3	R6053	CARBON R	R16J-3.3K	1	417343324
PCB3	R6054	CARBON R	R16J-3.3K	1	417343324
PCB3	R6055	CARBON R	R16J-3.3K	1	417343324
PCB3	R6056	CARBON R	R16J-3.3K	1	417343324
PCB3	R6070	NF CARBON R	R25J-82	1	415478204
PCB3	R6071	NF CARBON R	R25J-82	1	415478204
PCB3	R6072	NF CARBON R	R25J-82	1	415478204
PCB3	R6073	NF CARBON R	R25J-120	1	415471214
PCB3	R6074	NF CARBON R	R25J-120	1	415471214
PCB3	R6075	NF CARBON R	R25J-220	1	415472214
PCB3	R6076	NF CARBON R	R25J-220	1	415472214
PCB3	R6080	CARBON R	R25J-0.22	1	415472294
PCB3	R6081	CARBON R	R25J-0.22	1	415472294
PCB3	R6082	CARBON R	R25J-0.22	1	415472294
PCB3	R6083	CARBON R	R25J-0.22	1	415472294
PCB3	R6084	CARBON R	R25J-0.22	1	415472294
PCB3	R6085	CARBON R	R25J-0.22	1	415472294
PCB3	R6086	CARBON R	R25J-0.22	1	415472294
PCB3	R6090	CARBON R	R25J-0.22	1	415472294
PCB3	R6091	CARBON R	R25J-0.22	1	415472294
PCB3	R6092	CARBON R	R25J-0.22	1	415472294
PCB3	R6093	CARBON R	R25J-0.22	1	415472294
PCB3	R6094	CARBON R	R25J-0.22	1	415472294
PCB3	R6095	CARBON R	R25J-0.22	1	415472294
PCB3	R6096	CARBON R	R25J-0.22	1	415472294
PCB3	R6100	METAL PR	RF-5EGKR22	1	4000201
PCB3	R6100 or	METAL PR	RGC55 0.22	(1)	4000132

PCB3	R6100 or	METAL PR	BPR55FK0.22	(1)	4500245
PCB3	R6101	METAL PR	RF-5EGKR22	1	4000201
PCB3	R6101 or	METAL PR	RGC55 0.22	(1)	4000132
PCB3	R6101 or	METAL PR	BPR55FK0.22	(1)	4500245
PCB3	R6102	METAL PR	RF-5EGKR22	1	4000201
PCB3	R6102 or	METAL PR	RGC55 0.22	(1)	4000132
PCB3	R6102 or	METAL PR	BPR55FK0.22	(1)	4500245
PCB3	R6103	METAL PR	RF-5EGKR22	1	4000201
PCB3	R6103 or	METAL PR	RGC55 0.22	(1)	4000132
PCB3	R6103 or	METAL PR	BPR55FK0.22	(1)	4500245
PCB3	R6104	METAL PR	RF-5EGKR22	1	4000201
PCB3	R6104 or	METAL PR	RGC55 0.22	(1)	4000132
PCB3	R6104 or	METAL PR	BPR55FK0.22	(1)	4500245
PCB3	R6105	METAL PR	RF-5EGKR22	1	4000201
PCB3	R6105 or	METAL PR	RGC55 0.22	(1)	4000132
PCB3	R6105 or	METAL PR	BPR55FK0.22	(1)	4500245
PCB3	R6106	METAL PR	RF-5EGKR22	1	4000201
PCB3	R6106 or	METAL PR	RGC55 0.22	(1)	4000132
PCB3	R6106 or	METAL PR	RF-5EGKR22	(1)	4000201
PCB3	R6140	CARBON R	R16J-22K	1	417342234
PCB3	R6141	CARBON R	R16J-22K	1	417342234
PCB3	R6142	CARBON R	R16J-22K	1	417342234
PCB3	R6143	CARBON R	R16J-22K	1	417342234
PCB3	R6144	CARBON R	R16J-22K	1	417342234
PCB3	R6145	CARBON R	R16J-22K	1	417342234
PCB3	R6146	CARBON R	R16J-22K	1	417342234
PCB3	R6150	CARBON R	R16J-12K	1	417341234
PCB3	R6151	CARBON R	R16J-12K	1	417341234
PCB3	R6152	CARBON R	R16J-12K	1	417341234
PCB3	R6153	CARBON R	R16J-12K	1	417341234
PCB3	R6154	CARBON R	R16J-12K	1	417341234
PCB3	R6155	CARBON R	R16J-12K	1	417341234
PCB3	R6156	CARBON R	R16J-12K	1	417341234
PCB3	R6160	CARBON R	R16J-33K	1	417343334
PCB3	R6161	CARBON R	R16J-33K	1	417343334
PCB3	R6162	CARBON R	R16J-33K	1	417343334
PCB3	R6163	CARBON R	R16J-33K	1	417343334
PCB3	R6164	CARBON R	R16J-33K	1	417343334
PCB3	R6165	CARBON R	R16J-33K	1	417343334
PCB3	R6166	CARBON R	R16J-33K	1	417343334
PCB3	R6170	CARBON R	R16J-47K	1	417344734
PCB3	R6171	CARBON R	R16J-47K	1	417344734
PCB3	R6172	CARBON R	R16J-47K	1	417344734
PCB3	R6173	CARBON R	R16J-47K	1	417344734
PCB3	R6174	CARBON R	R16J-47K	1	417344734
PCB3	R6175	CARBON R	R16J-47K	1	417344734
PCB3	R6176	CARBON R	R16J-47K	1	417344734
PCB3	R6180	CARBON R	R16J-47K	1	417344734
PCB3	R6181	CARBON R	R16J-47K	1	417344734
PCB3	R6182	CARBON R	R16J-47K	1	417344734
PCB3	R6183	CARBON R	R16J-47K	1	417344734
PCB3	R6184	CARBON R	R16J-47K	1	417344734
PCB3	R6185	CARBON R	R16J-47K	1	417344734
PCB3	R6186	CARBON R	R16J-47K	1	417344734
PCB3	R6190	CARBON R	R16J-220K	1	417342244
PCB3	R6191	CARBON R	R16J-220K	1	417342244
PCB3	R6192	CARBON R	R16J-220K	1	417342244
PCB3	R6193	CARBON R	R16J-220K	1	417342244
PCB3	R6194	CARBON R	R16J-220K	1	417342244
PCB3	R6195	CARBON R	R16J-220K	1	417342244
PCB3	R6196	CARBON R	R16J-220K	1	417342244
PCB3	R6230	METAL R	RNU1WCJ-8.2	1	453630824
PCB3	R6231	METAL R	RNU1WCJ-8.2	1	453630824
PCB3	R6232	METAL R	RNU1WCJ-8.2	1	453630824
PCB3	R6233	METAL R	RNU1WCJ-8.2	1	453630824
PCB3	R6234	METAL R	RNU1WCJ-8.2	1	453630824
PCB3	R6235	METAL R	RNU1WCJ-8.2	1	453630824
PCB3	R6236	METAL R	RNU1WCJ-8.2	1	453630824
PCB3	R6701	CARBON R	R16J-22K	1	417342234
PCB3	R6702	CARBON R	R16J-10K	1	417341034
PCB3	R6704	CARBON R	R16J-47K	1	417344734
PCB3	R6706	CARBON R	R16J-220K	1	417342244
PCB3	R6708	CARBON R	R16J-33K	1	417343334
PCB3	R6709	CARBON R	R16J-5.6K	1	417345624
PCB3	R6710	CARBON R	R16J-12K	1	417341234

PCB3	R6750	METAL O R	RS1/2WBJ-390	1	443523914	
PCB3	R6751	METAL O R	RS1/2WBJ-390	1	443523914	
PCB3	R6901	METAL O R	RS1/2WBJ-10	1	443521004	
PCB3	R6902	CARBON R	R16J-1K	1	417341024	
PCB3	RL6901	RELAY	NRL-1P10A-DC12-140	1	25065584	
PCB3	RL6901 or	RELAY	NRL-1P10A-DC12-143	(1)	25065588	
PCB3	RL6901A	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
PCB3	RL6902	RELAY	NRL-1P10A-DC12-140	1	25065584	
PCB3	RL6902 or	RELAY	NRL-1P10A-DC12-143	(1)	25065588	
PCB3	RL6902A	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
PCB3	F6901A	FUSE HOLDER	SN5051	1	250113	!
PCB3	F6901B	FUSE HOLDER	SN5051	1	250113	!
PCB3	F6902A	FUSE HOLDER	SN5051	1	250113	!
PCB3	F6902B	FUSE HOLDER	SN5051	1	250113	!
PCB3	P301	PLUG	NPLG-10P0965	1	25056015	
PCB3	P302	PLUG	NPLG-20P0975	1	25056025	
PCB3	P303	PLUG	NPLG-20P0975	1	25056025	
PCB3	P311B	PLUG	NPLG-10P138	1	25055154	
PCB3	P995	CRIMP AS	CRIMP AS	1	2069925200UL	
PCB3	P996	CRIMP AS	CRIMP AS	1	2069925151UL	
PCB3	P997	CRIMP AS	---	1	2069925154UL	
PCB3	P5503	CRIMP AS	CRIMP AS	1	2069955150UL	
PCB3	P5504	SOCKET AS	NSAS-26P1494	1	2009990954UL	
PCB3	P5505	TRM(SCREW)	NEGITANSI M3	1	25065425	
PCB3	P6000B	PLUG	NPLG-5P0960	1	25056010	
PCB3	P6001B	PLUG	NPLG-5P0960	1	25056010	
PCB3	P6002B	PLUG	NPLG-5P0960	1	25056010	
PCB3	P6003B	PLUG	NPLG-5P0960	1	25056010	
PCB3	P6004B	PLUG	NPLG-5P0960	1	25056010	
PCB3	P6005B	PLUG	NPLG-5P0960	1	25056010	
PCB3	P6011A	RETAINER	(BUS-D)	1	27141860	
PCB3	P6080	PLUG	NPLG-2P29	1	25055038	
PCB3	P6081	PLUG	NPLG-2P29	1	25055038	
PCB3	P6082	PLUG	NPLG-2P29	1	25055038	
PCB3	P6083	PLUG	NPLG-2P29	1	25055038	
PCB3	P6084	PLUG	NPLG-2P29	1	25055038	
PCB3	P6085	PLUG	NPLG-2P29	1	25055038	
PCB3	P6086	PLUG	NPLG-2P29	1	25055038	
PCB3	P6380	RETAINER	(PTH)	1	27141884-1	
PCB3	P6380 or	RETAINER	(PTH)	(1)	27141884	
PCB3	P6844	WS CLAMP	CB-71683(L=50)	1	260261	
PCB3	P6845	WS CLAMP	CB-71683(L=50)	1	260261	
PCB3	P6848	WS CLAMP	CB-71683(L=50)	1	260261	
PCB3	P6849	WS CLAMP	CB-71683(L=50)	1	260261	
PCB3	P6850	HOLDER	HOLDER(CLAMP)	1	27190540-1	
PCB3	P6851	HOLDER	HOLDER(CLAMP)	1	27190540-1	
PCB3	P6906	TRM(SCREW)	NEGITANSI M3	1	25065425	
PCB3	P7902	PIN JACK	NPJ-6PDWWWRRR561	1	25045779	
PCB3	P7902 or	PIN JACK	NPJ-6PDBL159	(1)	25045300	
PCB3	P7903	PIN JACK	NPJ-4PDWWRR624	1	25045845	
PCB3	P7903 or	PIN JACK	NPJ-4PDBL162	(1)	25045303	
PCB3	P7904	PIN JACK	NPJ-6PDWWWRRR561	1	25045779	
PCB3	P7904 or	PIN JACK	NPJ-6PDBL159	(1)	25045300	
PCB3	P7905	PIN JACK	NPJ-6PDWLGREP562	1	25045780	
PCB3	P7905 or	PIN JACK	NPJ-6PWRLGGP493	(1)	25045697	
PCB3	P7906	PIN JACK	NPJ-2PDWR558	1	25045776	
PCB3	P7906 or	PIN JACK	NPJ-2PDBL185	(1)	25045333	
PCB3	P7907	PIN JACK	NPJ-1PDP555	1	25045773	
PCB3	P7907 or	PIN JACK	NPJ-1PDP510	(1)	25045720	
PCB3	P9502	SOCKET	14PK-FJ	1	25053058	
PCB3	E301A	TRM	NTM-1P232(M1700)	1	25060301	
PCB3	J010	CRIMP AS	CRIMP AS	1	2069925226UL	
PCB3	J011	CRIMP AS	CRIMP AS	1	2069925153UL	
PCB3	JL891B	SOCKET	NSCT-5P97	1	25050269	
PCB3	JL5501A	WIRE HOL	NSCT-12P883	1	25051096	
PCB3	JL5501B	WIRE HOL	NSCT-12P883	1	25051096	
PCB3	JL6006B	SOCKET	NSCT-5P97	1	25050269	
PCB3	JL6200A	WIRE HOL	NSCT-5P896	1	25051109	
PCB3	JL6200B	SOCKET	NSCT-5P97	1	25050269	
PCB3	JL6402A	WIRE HOL	NSCT-3P874	1	25051087	
PCB3	JL6402B	WIRE HOL	NSCT-3P874	1	25051087	
PCB3	JL6600A	WIRE HOL	NSCT-7P898	1	25051111	
PCB3	JL6603A	WIRE HOL	NSCT-9P900	1	25051113	
PCB3	JL6952A	WIRE HOL	NSCT-5P896	1	25051109	
PCB3	JL6952B	WIRE HOL	NSCT-5P896	1	25051109	

U15 POWER SUPPLY-1 PC BOARD (NAPS-8533-1M/ N/ P/ Q/ R/ T)
U17 POWER SUPPLY-2 PC BOARD (NAPS-8535-1M/ N/ P/ Q/ R/ T)
U18 SEC. TERMINAL-1 PC BOARD (NAPS-8536-1M/ N/ P/ Q/ R/ T)
U19 SPEAKER TERMINAL PC BOARD (NAETC-8537-1M/ N/ P/ Q/ R/ T)
U20 CENTER SPEAKER TERMINAL PC BOARD (NAETC-8538-1M/ N/ P/ Q/ R/ T)
U22 DRIVER AMPLIFIER PC BOARD (NAAF-8540-1M/ N/ P/ Q/ R/ T)

	CIRCUIT NO	NAME	DESCRIPTION	Q'TY	PART NO	REMARKS
PCB4	Q921	TR	2SC2458-GR	1	2212115	
PCB4	Q921 or	TR	2SC2458-BL	(1)	2212116	
PCB4	Q921 or	TR	KTC3199-GR	(1)	2215864	
PCB4	Q930	IC	SI-3010KF	1	22242203	<WT>
PCB4	Q5000	TR	2SC2240-BL	1	2211406	
PCB4	Q5001	TR	2SC2240-BL	1	2211406	
PCB4	Q5002	TR	2SC2240-BL	1	2211406	
PCB4	Q5003	TR	2SC2240-BL	1	2211406	
PCB4	Q5003 or	TR	KTC3200-BL	(1)	2215896	
PCB4	Q5004	TR	2SC2240-BL	1	2211406	
PCB4	Q5004 or	TR	KTC3200-BL	(1)	2215896	
PCB4	Q5005	TR	2SC2240-BL	1	2211406	
PCB4	Q5005 or	TR	KTC3200-BL	(1)	2215896	
PCB4	Q5006	TR	2SC2240-BL	1	2211406	
PCB4	Q5006 or	TR	KTC3200-BL	(1)	2215896	
PCB4	Q5010	TR	2SC2240-BL	1	2211406	
PCB4	Q5011	TR	2SC2240-BL	1	2211406	
PCB4	Q5012	TR	2SC2240-BL	1	2211406	
PCB4	Q5013	TR	2SC2240-BL	1	2211406	
PCB4	Q5013 or	TR	KTC3200-BL	(1)	2215896	
PCB4	Q5014	TR	2SC2240-BL	1	2211406	
PCB4	Q5014 or	TR	KTC3200-BL	(1)	2215896	
PCB4	Q5015	TR	2SC2240-BL	1	2211406	
PCB4	Q5015 or	TR	KTC3200-BL	(1)	2215896	
PCB4	Q5016	TR	2SC2240-BL	1	2211406	
PCB4	Q5016 or	TR	KTC3200-BL	(1)	2215896	
PCB4	Q5030	TR	2SA949-Y	1	2211354	
PCB4	Q5031	TR	2SA949-Y	1	2211354	
PCB4	Q5032	TR	2SA949-Y	1	2211354	
PCB4	Q5033	TR	2SA949-Y	1	2211354	
PCB4	Q5034	TR	2SA949-Y	1	2211354	
PCB4	Q5035	TR	2SA949-Y	1	2211354	
PCB4	Q5036	TR	2SA949-Y	1	2211354	
PCB4	Q5040	TR	2SC2229-Y	1	2211634	
PCB4	Q5041	TR	2SC2229-Y	1	2211634	
PCB4	Q5042	TR	2SC2229-Y	1	2211634	
PCB4	Q5043	TR	2SC2229-Y	1	2211634	
PCB4	Q5044	TR	2SC2229-Y	1	2211634	
PCB4	Q5045	TR	2SC2229-Y	1	2211634	
PCB4	Q5046	TR	2SC2229-Y	1	2211634	
PCB4	Q5050	TR	2SC2240-GR	1	2211405	
PCB4	Q5050 or	TR	2SC2240-BL	(1)	2211406	
PCB4	Q5051	TR	2SC2240-GR	1	2211405	
PCB4	Q5051 or	TR	2SC2240-BL	(1)	2211406	
PCB4	Q5052	TR	2SC2240-GR	1	2211405	
PCB4	Q5052 or	TR	2SC2240-BL	(1)	2211406	
PCB4	Q5053	TR	2SC2240-GR	1	2211405	
PCB4	Q5053 or	TR	2SC2240-BL	(1)	2211406	
PCB4	Q5054	TR	2SC2240-GR	1	2211405	
PCB4	Q5054 or	TR	2SC2240-BL	(1)	2211406	
PCB4	Q5055	TR	2SC2240-GR	1	2211405	
PCB4	Q5055 or	TR	2SC2240-BL	(1)	2211406	
PCB4	Q5056	TR	2SC2240-GR	1	2211405	
PCB4	Q5056 or	TR	2SC2240-BL	(1)	2211406	
PCB4	Q9002	TR	KTA1268-GR	1	2215885	
PCB4	Q9002 or	TR	2SA970-GR	(1)	2211395	
PCB4	Q9002 or	TR	2SA970-BL	(1)	2211396	
PCB4	Q9002 or	TR	KTA1268-BL	(1)	2215886	
PCB4	Q9021	TR	2SA1015-GR	1	2211455	<WT>
PCB4	Q9021 or	TR	2SA1015-Y	(1)	2211454	<WT>
PCB4	Q9022	TR	RN2202	1	2214350	<WT>
PCB4	Q9022 or	TR	KRA102M	(1)	2215770	<WT>
PCB4	Q9023	TR	RN1202	1	2214230	<WT>
PCB4	Q9023 or	TR	KRC102M	(1)	2215960	<WT>
PCB4	D921	DIODE	1SS133(DS)	1	223280	
PCB4	D921 or	DIODE	1SS133	(1)	223163	

PCB4	D921 or	DIODE	1SS270A	(1)	223205	
PCB4	D922	DIODE	1SS133(DS)	1	223280	
PCB4	D922 or	DIODE	1SS133	(1)	223163	
PCB4	D922 or	DIODE	1SS270A	(1)	223205	
PCB4	D923	DIODE	1SS133(DS)	1	223280	
PCB4	D923 or	DIODE	1SS133	(1)	223163	
PCB4	D923 or	DIODE	1SS270A	(1)	223205	
PCB4	D924	DIODE	1SS133(DS)	1	223280	
PCB4	D924 or	DIODE	1SS133	(1)	223163	
PCB4	D924 or	DIODE	1SS270A	(1)	223205	
PCB4	D925	DIODE	1SS133(DS)	1	223280	
PCB4	D925 or	DIODE	1SS133	(1)	223163	
PCB4	D925 or	DIODE	1SS270A	(1)	223205	
PCB4	D930	DIODE	1SS133(DS)	1	223280	
PCB4	D930 or	DIODE	1SS133	(1)	223163	
PCB4	D930 or	DIODE	1SS270A	(1)	223205	
PCB4	D931	DIODE	1SS133(DS)	1	223280	
PCB4	D931 or	DIODE	1SS133	(1)	223163	
PCB4	D931 or	DIODE	1SS270A	(1)	223205	
PCB4	D932	DIODE	1SS133(DS)	1	223280	
PCB4	D932 or	DIODE	1SS133	(1)	223163	
PCB4	D932 or	DIODE	1SS270A	(1)	223205	
PCB4	D933	DIODE	1SS133(DS)	1	223280	
PCB4	D933 or	DIODE	1SS133	(1)	223163	
PCB4	D933 or	DIODE	1SS270A	(1)	223205	
PCB4	D934	ZENER D	DZ-5.1BSB	1	224850512	<DD, DC>
PCB4	D934 or	ZENER D	MTZJ5.1B	(1)	224470512	<DD, DC>
PCB4	D934	ZENER D	DZ-5.1BSB	1	224850512	<GK, GR, GQ>
PCB4	D934 or	ZENER D	MTZJ5.1B	(1)	224470512	<GK, GR, GQ>
PCB4	D934	ZENER D	DZ-5.1BSB	1	224850512	<8360>
PCB4	D934 or	ZENER D	MTZJ5.1B	(1)	224470512	<8360>
PCB4	D934	ZENER D	DZ-5.1BSB	1	224850512	<PP, PA>
PCB4	D934 or	ZENER D	MTZJ5.1B	(1)	224470512	<PP, PA>
PCB4	D934	DIODE	1SS133(DS)	1	223280	<WT>
PCB4	D934 or	DIODE	1SS133	(1)	223163	<WT>
PCB4	D934 or	DIODE	1SS270A	(1)	223205	<WT>
PCB4	D935	DIODE	1SS133(DS)	1	223280	
PCB4	D935 or	DIODE	1SS133	(1)	223163	
PCB4	D935 or	DIODE	1SS270A	(1)	223205	
PCB4	D5000	ZENER D	DZ-5.6BSB	1	224850562	
PCB4	D5000 or	ZENER D	MTZJ5.6B	(1)	224470562	
PCB4	D5001	ZENER D	DZ-5.6BSB	1	224850562	
PCB4	D5001 or	ZENER D	MTZJ5.6B	(1)	224470562	
PCB4	D5002	ZENER D	DZ-5.6BSB	1	224850562	
PCB4	D5002 or	ZENER D	MTZJ5.6B	(1)	224470562	
PCB4	D5003	ZENER D	DZ-5.6BSB	1	224850562	
PCB4	D5003 or	ZENER D	MTZJ5.6B	(1)	224470562	
PCB4	D5004	ZENER D	DZ-5.6BSB	1	224850562	
PCB4	D5004 or	ZENER D	MTZJ5.6B	(1)	224470562	
PCB4	D5005	ZENER D	DZ-5.6BSB	1	224850562	
PCB4	D5005 or	ZENER D	MTZJ5.6B	(1)	224470562	
PCB4	D5006	ZENER D	DZ-5.6BSB	1	224850562	
PCB4	D5006 or	ZENER D	MTZJ5.6B	(1)	224470562	
PCB4	D6600	DIODE	1SS133(DS)	1	223280	
PCB4	D6600 or	DIODE	1SS133	(1)	223163	
PCB4	D6600 or	DIODE	1SS270A	(1)	223205	
PCB4	D6603	DIODE	1SS133(DS)	1	223280	
PCB4	D6603 or	DIODE	1SS133	(1)	223163	
PCB4	D6603 or	DIODE	1SS270A	(1)	223205	
PCB4	D6605	DIODE	1SS133(DS)	1	223280	
PCB4	D6605 or	DIODE	1SS133	(1)	223163	
PCB4	D6605 or	DIODE	1SS270A	(1)	223205	
PCB4	D6607	DIODE	1SS133(DS)	1	223280	
PCB4	D6607 or	DIODE	1SS133	(1)	223163	
PCB4	D6607 or	DIODE	1SS270A	(1)	223205	
PCB4	D9001	DIODE	RL1N4003	1	22380260	
PCB4	D9001 or	DIODE	GP104003E	(1)	22380035	
PCB4	D9002	DIODE	RL1N4003	1	22380260	
PCB4	D9002 or	DIODE	GP104003E	(1)	22380035	
PCB4	D9003	DIODE	RL1N4003	1	22380260	
PCB4	D9003 or	DIODE	GP104003E	(1)	22380035	
PCB4	D9004	DIODE	RL1N4003	1	22380260	
PCB4	D9004 or	DIODE	GP104003E	(1)	22380035	
PCB4	D9009	DIODE	RL1N4003	1	22380260	
PCB4	D9009 or	DIODE	GP104003E	(1)	22380035	

PCB4	D9012	ZENER D	DZ-36BSD	1	224853604	
PCB4	D9012 or	ZENER D	MTZJ36D	(1)	224473604	
PCB4	D9013	DIODE	RL1N4003	1	22380260	
PCB4	D9013 or	DIODE	GP104003E	(1)	22380035	
PCB4	D9022	DIODE	1SS133(DS)	1	223280	<WT>
PCB4	D9022 or	DIODE	1SS133	(1)	223163	<WT>
PCB4	D9022 or	DIODE	1SS270A	(1)	223205	<WT>
PCB4	D9023	DIODE	1SS133(DS)	1	223280	<WT>
PCB4	D9023 or	DIODE	1SS133	(1)	223163	<WT>
PCB4	D9023 or	DIODE	1SS270A	(1)	223205	<WT>
PCB4	D9024	DIODE	1SS133(DS)	1	223280	<WT>
PCB4	D9024 or	DIODE	1SS133	(1)	223163	<WT>
PCB4	D9024 or	DIODE	1SS270A	(1)	223205	<WT>
PCB4	D9025	DIODE	1SS133(DS)	1	223280	<WT>
PCB4	D9025 or	DIODE	1SS133	(1)	223163	<WT>
PCB4	D9025 or	DIODE	1SS270A	(1)	223205	<WT>
PCB4	D9026	ZENER D	MTZJ12C	1	224471203	<WT>
PCB4	D9026 or	ZENER D	DZ-12BSC	(1)	224851203	<WT>
PCB4	D9027	DIODE	1SS133(DS)	1	223280	<WT>
PCB4	D9027 or	DIODE	1SS133	(1)	223163	<WT>
PCB4	D9027 or	DIODE	1SS270A	(1)	223205	<WT>
PCB4	D9705	DIODE	1SS133(DS)	1	223280	
PCB4	D9705 or	DIODE	1SS133	(1)	223163	
PCB4	D9705 or	DIODE	1SS270A	(1)	223205	
PCB4	D9706	DIODE	1SS133(DS)	1	223280	
PCB4	D9706 or	DIODE	1SS133	(1)	223163	
PCB4	D9706 or	DIODE	1SS270A	(1)	223205	
PCB4	T902	P TRANS	NPT-1519JQ	1	2301810	<WT>
PCB4	T902	P TRANS	NPT-1519GQ	1	2301811	<PP, PA>
PCB4	T902	P TRANS	NPT-1519GQ	1	2301811	<GK, GR, GQ>
PCB4	T902	P TRANS	NPT-1519GQ	1	2301811	<8360>
PCB4	T902	P TRANS	NPT-1520JQ	1	2301812	<DD, DC>
PCB4	T902A	TAPE	TAPE(CLOTH-8U)	(1)	29110082	
PCB4	L6600	S COIL	S-1.3C	1	231176S	<PP, PA>
PCB4	L6600	S COIL	S-1.3C	1	231176S	<WT>
PCB4	L6600	S COIL	S-1.3C	1	231176S	<GK, GR, GQ>
PCB4	L6600	S COIL	S-1.3C	1	231176S	<8360>
PCB4	L6601	S COIL	S-1.3C	1	231176S	<PP, PA>
PCB4	L6601	S COIL	S-1.3C	1	231176S	<WT>
PCB4	L6601	S COIL	S-1.3C	1	231176S	<GK, GR, GQ>
PCB4	L6601	S COIL	S-1.3C	1	231176S	<8360>
PCB4	L6602	S COIL	S-1.3C	1	231176S	<PP, PA>
PCB4	L6602	S COIL	S-1.3C	1	231176S	<WT>
PCB4	L6602	S COIL	S-1.3C	1	231176S	<GK, GR, GQ>
PCB4	L6602	S COIL	S-1.3C	1	231176S	<8360>
PCB4	L6603	S COIL	S-1.3C	1	231176S	<PP, PA>
PCB4	L6603	S COIL	S-1.3C	1	231176S	<WT>
PCB4	L6603	S COIL	S-1.3C	1	231176S	<GK, GR, GQ>
PCB4	L6603	S COIL	S-1.3C	1	231176S	<8360>
PCB4	L6604	S COIL	S-1.3C	1	231176S	<PP, PA>
PCB4	L6604	S COIL	S-1.3C	1	231176S	<WT>
PCB4	L6604	S COIL	S-1.3C	1	231176S	<GK, GR, GQ>
PCB4	L6604	S COIL	S-1.3C	1	231176S	<8360>
PCB4	L6605	S COIL	S-1.3C	1	231176S	<PP, PA>
PCB4	L6605	S COIL	S-1.3C	1	231176S	<WT>
PCB4	L6605	S COIL	S-1.3C	1	231176S	<GK, GR, GQ>
PCB4	L6605	S COIL	S-1.3C	1	231176S	<8360>
PCB4	L6606	S COIL	S-1.3C	1	231176S	<PP, PA>
PCB4	L6606	S COIL	S-1.3C	1	231176S	<WT>
PCB4	L6606	S COIL	S-1.3C	1	231176S	<GK, GR, GQ>
PCB4	L6606	S COIL	S-1.3C	1	231176S	<8360>
PCB4	C901	IS C	ECQU2A103MLC	1	3800039S	
PCB4	C901 or	IS C	RE275V-103M	(1)	3500196S	
PCB4	C901 or	IS C	LE103-C3.5	(1)	3800042S	
PCB4	C921	CERA C	CK45F50V-223Z	1	335622230	
PCB4	C922	VR C	CE04W16V-2200M(VR)	1	394642227S	<PP, PA>
PCB4	C922	VR C	CE04W16V-2200M(VR)	1	394642227S	<GK, GR, GQ>
PCB4	C922	VR C	CE04W16V-2200M(VR)	1	394642227S	<8360>
PCB4	C922	VR C	CE04W25V-2200M(VR)	1	394652227S	<DD, DC>
PCB4	C922	VR C	CE04W35V-2200M(VR)	1	394662227S	<WT>
PCB4	C930	VR C	CE04W35V-100M(VR)	1	394661017	
PCB4	C931	VX C	CE04W50V-10M(VX)	1	393381007	<WT>
PCB4	C932	VR C	CE04W16V-100M(VR)	1	394641017	<WT>
PCB4	C933	VR C	CE04W50V-4.7M(VR)	1	394680477	
PCB4	C5000	TF C	ECQ-B50V-101K	1	374721015	

PCB4	C5001	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5002	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5003	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5004	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5005	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5006	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5010	VX C	CE04W50V-47M(VX)	1	393384707	
PCB4	C5011	VX C	CE04W50V-47M(VX)	1	393384707	
PCB4	C5012	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C5013	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C5014	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C5015	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C5016	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C5020	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C5021	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C5022	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C5023	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C5024	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C5025	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C5026	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C5040	VX C	CE04W25V-220M(VX)	1	393352217	
PCB4	C5041	VX C	CE04W25V-220M(VX)	1	393352217	
PCB4	C5042	VX C	CE04W25V-220M(VX)	1	393352217	
PCB4	C5043	VX C	CE04W25V-220M(VX)	1	393352217	
PCB4	C5044	VX C	CE04W25V-220M(VX)	1	393352217	
PCB4	C5045	VX C	CE04W25V-220M(VX)	1	393352217	
PCB4	C5046	VX C	CE04W25V-220M(VX)	1	393352217	
PCB4	C5050	VX C	CE04W50V-47M(VX)	1	393384707	
PCB4	C5051	VX C	CE04W50V-47M(VX)	1	393384707	
PCB4	C5052	VX C	CE04W50V-47M(VX)	1	393384707	
PCB4	C5053	VX C	CE04W50V-47M(VX)	1	393384707	
PCB4	C5054	VX C	CE04W50V-47M(VX)	1	393384707	
PCB4	C5055	VX C	CE04W50V-47M(VX)	1	393384707	
PCB4	C5056	VX C	CE04W50V-47M(VX)	1	393384707	
PCB4	C5080	CERA C	CC45SL50V-040C	1	345020401	
PCB4	C5081	CERA C	CC45SL50V-040C	1	345020401	
PCB4	C5082	CERA C	CC45SL50V-040C	1	345020401	
PCB4	C5083	CERA C	CC45SL50V-040C	1	345020401	
PCB4	C5084	CERA C	CC45SL50V-040C	1	345020401	
PCB4	C5085	CERA C	CC45SL50V-040C	1	345020401	
PCB4	C5086	CERA C	CC45SL50V-040C	1	345020401	
PCB4	C5090	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5091	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5092	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5093	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5094	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5095	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5096	TF C	ECQ-B50V-101K	1	374721015	
PCB4	C5100	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5101	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5102	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5103	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5104	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5105	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5106	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5110	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5111	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5112	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5113	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5114	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5115	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C5116	VR C	CE04W100V-10M(VR)	1	394691007	
PCB4	C6600	TF C	ECQ-B50V-103J	1	374721034	
PCB4	C6602	TF C	ECQ-B50V-103J	1	374721034	
PCB4	C6603	CERA C	CK45F50V-103Z	1	335621030	
PCB4	C6605	CERA C	CK45F50V-103Z	1	335621030	
PCB4	C6607	CERA C	CK45F50V-103Z	1	335621030	
PCB4	C6640	TF C	ECQ-B50V-103J	1	374721034	<PP, PA>
PCB4	C6640	TF C	ECQ-B50V-103J	1	374721034	<WT>
PCB4	C6640	TF C	ECQ-B50V-103J	1	374721034	<GK, GR, GQ>
PCB4	C6640	TF C	ECQ-B50V-103J	1	374721034	<8360>
PCB4	C6641	TF C	ECQ-B50V-103J	1	374721034	<PP, PA>
PCB4	C6641	TF C	ECQ-B50V-103J	1	374721034	<WT>
PCB4	C6641	TF C	ECQ-B50V-103J	1	374721034	<GK, GR, GQ>
PCB4	C6641	TF C	ECQ-B50V-103J	1	374721034	<8360>

PCB4	C6642	TF C	ECQ-B50V-103J	1	374721034	<PP, PA>
PCB4	C6642	TF C	ECQ-B50V-103J	1	374721034	<WT>
PCB4	C6642	TF C	ECQ-B50V-103J	1	374721034	<GK, GR, GQ>
PCB4	C6642	TF C	ECQ-B50V-103J	1	374721034	<8360>
PCB4	C6643	TF C	ECQ-B50V-103J	1	374721034	<PP, PA>
PCB4	C6643	TF C	ECQ-B50V-103J	1	374721034	<WT>
PCB4	C6643	TF C	ECQ-B50V-103J	1	374721034	<GK, GR, GQ>
PCB4	C6643	TF C	ECQ-B50V-103J	1	374721034	<8360>
PCB4	C6644	TF C	ECQ-B50V-103J	1	374721034	<PP, PA>
PCB4	C6644	TF C	ECQ-B50V-103J	1	374721034	<WT>
PCB4	C6644	TF C	ECQ-B50V-103J	1	374721034	<GK, GR, GQ>
PCB4	C6644	TF C	ECQ-B50V-103J	1	374721034	<8360>
PCB4	C6645	TF C	ECQ-B50V-103J	1	374721034	<PP, PA>
PCB4	C6645	TF C	ECQ-B50V-103J	1	374721034	<WT>
PCB4	C6645	TF C	ECQ-B50V-103J	1	374721034	<GK, GR, GQ>
PCB4	C6645	TF C	ECQ-B50V-103J	1	374721034	<8360>
PCB4	C6646	TF C	ECQ-B50V-103J	1	374721034	<PP, PA>
PCB4	C6646	TF C	ECQ-B50V-103J	1	374721034	<WT>
PCB4	C6646	TF C	ECQ-B50V-103J	1	374721034	<GK, GR, GQ>
PCB4	C6646	TF C	ECQ-B50V-103J	1	374721034	<8360>
PCB4	C6647	TF C	ECQ-B50V-103J	1	374721034	<PP, PA>
PCB4	C6647	TF C	ECQ-B50V-103J	1	374721034	<WT>
PCB4	C6647	TF C	ECQ-B50V-103J	1	374721034	<GK, GR, GQ>
PCB4	C6647	TF C	ECQ-B50V-103J	1	374721034	<8360>
PCB4	C6648	TF C	ECQ-B50V-103J	1	374721034	<PP, PA>
PCB4	C6648	TF C	ECQ-B50V-103J	1	374721034	<WT>
PCB4	C6648	TF C	ECQ-B50V-103J	1	374721034	<GK, GR, GQ>
PCB4	C6648	TF C	ECQ-B50V-103J	1	374721034	<8360>
PCB4	C6650	CERA C	CK45B50V-102K	1	335321025	<PP, PA>
PCB4	C6650	CERA C	CK45B50V-102K	1	335321025	<WT>
PCB4	C6650	CERA C	CK45B50V-102K	1	335321025	<GK, GR, GQ>
PCB4	C6650	CERA C	CK45B50V-102K	1	335321025	<8360>
PCB4	C6651	CERA C	CK45B50V-102K	1	335321025	<PP, PA>
PCB4	C6651	CERA C	CK45B50V-102K	1	335321025	<WT>
PCB4	C6651	CERA C	CK45B50V-102K	1	335321025	<GK, GR, GQ>
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PCB4	C6652	CERA C	CK45B50V-102K	1	335321025	<PP, PA>
PCB4	C6652	CERA C	CK45B50V-102K	1	335321025	<WT>
PCB4	C6652	CERA C	CK45B50V-102K	1	335321025	<GK, GR, GQ>
PCB4	C6652	CERA C	CK45B50V-102K	1	335321025	<8360>
PCB4	C6653	CERA C	CK45B50V-102K	1	335321025	<PP, PA>
PCB4	C6653	CERA C	CK45B50V-102K	1	335321025	<WT>
PCB4	C6653	CERA C	CK45B50V-102K	1	335321025	<GK, GR, GQ>
PCB4	C6653	CERA C	CK45B50V-102K	1	335321025	<8360>
PCB4	C6654	CERA C	CK45B50V-102K	1	335321025	<PP, PA>
PCB4	C6654	CERA C	CK45B50V-102K	1	335321025	<WT>
PCB4	C6654	CERA C	CK45B50V-102K	1	335321025	<GK, GR, GQ>
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PCB4	C6655	CERA C	CK45B50V-102K	1	335321025	<PP, PA>
PCB4	C6655	CERA C	CK45B50V-102K	1	335321025	<WT>
PCB4	C6655	CERA C	CK45B50V-102K	1	335321025	<GK, GR, GQ>
PCB4	C6655	CERA C	CK45B50V-102K	1	335321025	<8360>
PCB4	C6656	CERA C	CK45B50V-102K	1	335321025	<PP, PA>
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PCB4	C9003	VR C	CE04W35V-1000M(VR)	1	394661027S	
PCB4	C9004	VR C	CE04W35V-470M(VR)	1	394664717	
PCB4	C9009	VR C	CE04W35V-220M(VR)	1	394662217	
PCB4	C9014	VR C	CE04W63V-470M(VR)	1	394674717S	
PCB4	C9015	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C9016	VX C	CE04W50V-10M(VX)	1	393381007	
PCB4	C9021	VX C	CE04W50V-10M(VX)	1	393381007	<WT>
PCB4	C9591	MMT C	MMT50V-104J	1	375521044	
PCB4	C9708	CERA C	CK45B50V-222K	1	335322225	
PCB4	R922	CARBON R	R16J-10K	1	417341034	

PCB4	R923	CARBON R	R16J-1K	1	417341024	
PCB4	R924	METAL O R	RS1/2WBJ-100	1	443521014	<DD, DC>
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PCB4	R5000	CARBON R	R16J-1K	1	417341024	
PCB4	R5001	CARBON R	R16J-1K	1	417341024	
PCB4	R5002	CARBON R	R16J-1K	1	417341024	
PCB4	R5003	CARBON R	R16J-1K	1	417341024	
PCB4	R5004	CARBON R	R16J-1K	1	417341024	
PCB4	R5005	CARBON R	R16J-1K	1	417341024	
PCB4	R5006	CARBON R	R16J-1K	1	417341024	
PCB4	R5010	CARBON R	R16J-56K	1	417345634	
PCB4	R5011	CARBON R	R16J-56K	1	417345634	
PCB4	R5012	CARBON R	R16J-56K	1	417345634	
PCB4	R5013	CARBON R	R16J-56K	1	417345634	
PCB4	R5014	CARBON R	R16J-56K	1	417345634	
PCB4	R5015	CARBON R	R16J-56K	1	417345634	
PCB4	R5016	CARBON R	R16J-56K	1	417345634	
PCB4	R5020	CARBON R	R16J-330	1	417343314	
PCB4	R5021	CARBON R	R16J-330	1	417343314	
PCB4	R5022	CARBON R	R16J-330	1	417343314	
PCB4	R5023	CARBON R	R16J-330	1	417343314	
PCB4	R5024	CARBON R	R16J-330	1	417343314	
PCB4	R5025	CARBON R	R16J-330	1	417343314	
PCB4	R5026	CARBON R	R16J-330	1	417343314	
PCB4	R5030	CARBON R	R16J-120K	1	417341244	
PCB4	R5031	CARBON R	R16J-120K	1	417341244	
PCB4	R5032	CARBON R	R16J-120K	1	417341244	
PCB4	R5033	CARBON R	R16J-120K	1	417341244	
PCB4	R5034	CARBON R	R16J-120K	1	417341244	
PCB4	R5035	CARBON R	R16J-120K	1	417341244	
PCB4	R5036	CARBON R	R16J-120K	1	417341244	
PCB4	R5040	CARBON R	R16J-2.2K	1	417342224	
PCB4	R5041	CARBON R	R16J-2.2K	1	417342224	
PCB4	R5042	CARBON R	R16J-2.2K	1	417342224	
PCB4	R5043	CARBON R	R16J-2.2K	1	417342224	
PCB4	R5044	CARBON R	R16J-2.2K	1	417342224	
PCB4	R5045	CARBON R	R16J-2.2K	1	417342224	
PCB4	R5046	CARBON R	R16J-2.2K	1	417342224	
PCB4	R5050	CARBON R	R16J-4.7K	1	417344724	
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PCB4	R5052	CARBON R	R16J-4.7K	1	417344724	
PCB4	R5053	CARBON R	R16J-4.7K	1	417344724	
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PCB4	R5060	CARBON R	R16J-1.2K	1	417341224	
PCB4	R5061	CARBON R	R16J-1.2K	1	417341224	
PCB4	R5062	CARBON R	R16J-1.2K	1	417341224	
PCB4	R5063	CARBON R	R16J-1.2K	1	417341224	
PCB4	R5064	CARBON R	R16J-1.2K	1	417341224	
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PCB4	R5080	CARBON R	R16J-470	1	417344714	
PCB4	R5081	CARBON R	R16J-470	1	417344714	
PCB4	R5082	CARBON R	R16J-470	1	417344714	
PCB4	R5083	CARBON R	R16J-470	1	417344714	
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PCB4	R5085	CARBON R	R16J-470	1	417344714	
PCB4	R5086	CARBON R	R16J-470	1	417344714	
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PCB4	R5093	CARBON R	R16J-100K	1	417341044	
PCB4	R5094	CARBON R	R16J-100K	1	417341044	
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PCB4	R5096	CARBON R	R16J-100K	1	417341044	
PCB4	R5100	CARBON R	R16J-100K	1	417341044	
PCB4	R5101	CARBON R	R16J-100K	1	417341044	

PCB4	R5102	CARBON R	R16J-100K	1	417341044	
PCB4	R5103	CARBON R	R16J-100K	1	417341044	
PCB4	R5104	CARBON R	R16J-100K	1	417341044	
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PCB4	R5130	CARBON R	R16J-22K	1	417342234	
PCB4	R5131	CARBON R	R16J-22K	1	417342234	
PCB4	R5132	CARBON R	R16J-18K	1	417341834	
PCB4	R5133	CARBON R	R16J-18K	1	417341834	
PCB4	R5134	CARBON R	R16J-18K	1	417341834	
PCB4	R5135	CARBON R	R16J-18K	1	417341834	
PCB4	R5136	CARBON R	R16J-18K	1	417341834	
PCB4	R5160	NF CARBON R	R25J-100	1	415471014	
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PCB4	R5162	NF CARBON R	R25J-100	1	415471014	
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PCB4	R5181	NF CARBON R	R25J-10	1	415471004	
PCB4	R5182	NF CARBON R	R25J-10	1	415471004	
PCB4	R5183	NF CARBON R	R25J-10	1	415471004	
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PCB4	R5190	NF CARBON R	R25J-10	1	415471004	
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PCB4	R5192	NF CARBON R	R25J-10	1	415471004	
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PCB4	R5196	NF CARBON R	R25J-10	1	415471004	
PCB4	R5200	CARBON R	R16J-22K	1	417342234	
PCB4	R5201	CARBON R	R16J-22K	1	417342234	
PCB4	R5230	CARBON R	R16J-120K	1	417341244	
PCB4	R5231	CARBON R	R16J-120K	1	417341244	
PCB4	R5232	CARBON R	R16J-120K	1	417341244	
PCB4	R5233	CARBON R	R16J-120K	1	417341244	
PCB4	R5234	CARBON R	R16J-120K	1	417341244	
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PCB4	R5236	CARBON R	R16J-120K	1	417341244	
PCB4	R6600	CARBON R	R16J-22	1	417342204	<PP, PA>
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PCB4	R6600	CARBON R	R16J-22	1	417342204	<8360>
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PCB4	R9002	METAL O R	RS1/2WBJ-22	1	443522204	
PCB4	R9003	CARBON R	R16J-8.2K	1	417348224	
PCB4	R9004	CARBON R	R16J-8.2K	1	417348224	
PCB4	R9005	CARBON R	R16J-330K	1	417343344	
PCB4	R9022	CARBON R	R16J-10K	1	417341034	<WT>
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PCB4	R9025	CARBON R	R16J-100K	1	417341044	<WT>
PCB4	R9591	METAL R	RNU1/2WCJ-0.47	1	453534794	
PCB4	R9592	METAL R	RNU1/2WCJ-0.47	1	453534794	
PCB4	R9594	METAL R	RNU1/2WCJ-5.6	1	453530564	<GK, GR, GQ>
PCB4	R9594	METAL R	RNU1/2WCJ-5.6	1	453530564	<8360>
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PCB4	RL6600 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563	
PCB4	RL6600A	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
PCB4	RL6602	RELAY	NRL-2P5A-DC24-158	1	25065618	
PCB4	RL6602 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563	
PCB4	RL6602A	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
PCB4	RL6603	RELAY	NRL-2P5A-DC24-158	1	25065618	
PCB4	RL6603 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563	
PCB4	RL6603A	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
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PCB4	RL6605 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563	
PCB4	RL6605A	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
PCB4	RL6607	RELAY	NRL-2P5A-DC24-158	1	25065618	

PCB4	RL6607 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563	
PCB4	RL6607A	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
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PCB4	F902A	FUSE HOL	NSCT-1P2031	1	25052133	<PP, PA>
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PCB4	F902A	FUSE HOL	NSCT-1P2031	1	25052133	<GK, GR, GQ>
PCB4	F902A	FUSE HOL	NSCT-1P2031	1	25052133	<8360>
PCB4	F902B	FUSE HOL	NSCT-1P2031	1	25052133	<PP, PA>
PCB4	F902B	FUSE HOL	NSCT-1P2031	1	25052133	<WT>
PCB4	F902B	FUSE HOL	NSCT-1P2031	1	25052133	<GK, GR, GQ>
PCB4	F902B	FUSE HOL	NSCT-1P2031	1	25052133	<8360>
PCB4	F903A	FUSE HOL	NSCT-1P2031	1	25052133	!
PCB4	F903B	FUSE HOL	NSCT-1P2031	1	25052133	!
PCB4	F9501A	FUSE HOL	NSCT-1P2031	1	25052133	!
PCB4	F9501B	FUSE HOL	NSCT-1P2031	1	25052133	!
PCB4	P901A	PLUG	1-1123724-2	1	25056402	!
PCB4	P901Aor	PLUG	NPLG-2P631	(1)	25055675	!
PCB4	P902	SOCKET	NSCT-2P1359	1	25051572	<WT>
PCB4	P902	SOCKET	NSCT-2P1359	1	25051572	<PP>
PCB4	P902	SOCKET	NSCT-2P1359	1	25051572	<GQ>
PCB4	P902	AC OUTLET	NSCT-2P2013	1	25052115	<PA>
PCB4	P902	AC OUTLET	AC-181-UL-11V	1	25053030	<DD, DC>
PCB4	P902	AC OUTLET	AC-181-GB-11VGY5311	1	25053032	<GR>, <8360>
PCB4	P909	TRM(SCREW)	NEGITANSI M3	1	25065425	<GK>
PCB4	P912	PLUG	1-1123724-2	1	25056402	<DD, DC>
PCB4	P912 or	PLUG	NPLG-2P631	(1)	25055675	<DD, DC>
PCB4	P912	PLUG	1-1123724-2	1	25056402	<GK, GR, GQ>
PCB4	P912 or	PLUG	NPLG-2P631	(1)	25055675	<GK, GR, GQ>
PCB4	P912	PLUG	1-1123724-2	1	25056402	<8360>
PCB4	P912 or	PLUG	NPLG-2P631	(1)	25055675	<8360>
PCB4	P912	PLUG	1-1123724-2	1	25056402	<PP, PA>
PCB4	P912 or	PLUG	NPLG-2P631	(1)	25055675	<PP, PA>
PCB4	P912	PLUG	1-1123724-5	1	25056579	<WT>
PCB4	P912 or	PLUG	B5P9-VH	(1)	25056568	<WT>
PCB4	P925	CRIMP AS	CRIMP-AS	1	2069943109UL	<GK>
PCB4	P926	CRIMP AS	CRIMP-AS	1	2069943101UL	<GK>
PCB4	P931A	PLUG	NPLG-5P0960	1	25056010	
PCB4	P931B	SOCKET	NSCT-5P2185	1	25052288	
PCB4	P5019	TRM(SCREW)	NEGITANSI M3	1	25065425	
PCB4	P5504A	PLUG	NPLG-13P141	1	25055157	
PCB4	P6000A	SOCKET	NSCT-5P2185	1	25052288	
PCB4	P6001A	SOCKET	NSCT-5P2185	1	25052288	
PCB4	P6002A	SOCKET	NSCT-5P2185	1	25052288	
PCB4	P6003A	SOCKET	NSCT-5P2185	1	25052288	
PCB4	P6004A	SOCKET	NSCT-5P2185	1	25052288	
PCB4	P6005A	SOCKET	NSCT-5P2185	1	25052288	
PCB4	P6011B	RETAINER	(BUS-U)	1	27141859	
PCB4	P6011C	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
PCB4	P6021	WS CLAMP	CB-71683(L=50)	1	260261	
PCB4	P6600	TRM	NTM-8PDMN341	1	25060412	<DD, DC>
PCB4	P6600	TRM	NTM-8PDMN342	1	25060413	<PP, PA>
PCB4	P6600	TRM	NTM-8PDMN342	1	25060413	<WT>
PCB4	P6600	TRM	NTM-8PDMN342	1	25060413	<GK, GR, GQ>
PCB4	P6600	TRM	NTM-8PDMN342	1	25060413	<8360>
PCB4	P6602	TRM	NTM-2PDMN318	1	25060387	<DD, DC>
PCB4	P6602	TRM	NTM-2PDMN319	1	25060388	<PP, PA>
PCB4	P6602	TRM	NTM-2PDMN319	1	25060388	<WT>
PCB4	P6602	TRM	NTM-2PDMN319	1	25060388	<GK, GR, GQ>
PCB4	P6602	TRM	NTM-2PDMN319	1	25060388	<8360>
PCB4	P6605	TRM	NTM-4PDMN345	1	25060416	<DD, DC>
PCB4	P6605	TRM	NTM-4PDMN355	1	25060426	<PP, PA>
PCB4	P6605	TRM	NTM-4PDMN355	1	25060426	<WT>
PCB4	P6605	TRM	NTM-4PDMN355	1	25060426	<GK, GR, GQ>
PCB4	P6605	TRM	NTM-4PDMN355	1	25060426	<8360>
PCB4	P6607	TRM	NTM-4PDML358	1	25060429	
PCB4	P6607 or	TRM	NTM-4PDML365	(1)	25060436	
PCB4	P9002	TRM(SCREW)	NEGITANSI M3	1	25065425	
PCB4	P9502A	PLUG	14R-FJ	1	25056566	
PCB4	S902	SLIDE SW	NSS-22157P	1	25065437	!, <WT>
PCB4	E9001	RETAINER	KANAGU	1	27141059	
PCB4	JL2006B	SOCKET	NSCT-5P97	1	25050269	
PCB4	JL6006A	WIRE HOL	NSCT-5P896	1	25051109	

PCB4	JL6600B	SOCKET	NSCT-7P99	1	25050271	
PCB4	JL6602A	WIRE HOL	NSCT-4P895	1	25051108	
PCB4	JL6602B	SOCKET	NSCT-4P96	1	25050268	
PCB4	JL6603B	SOCKET	NSCT-9P101	1	25050273	
PCB4	JL9501A	WIRE HOL	NSCT-7P898	1	25051111	
PCB4	JL9501B	WIRE HOL	NSCT-7P898	1	25051111	

TX-SR603/603E/8360

PACKING PARTS LIST

	REF. NO.	NAME	DESCRIPTION	Q'TY	PART NO	REMARKS
PKG	A601	PAD	AS	1	29092244	
PKG	A603	POLY BAG	POLY BAG (850x650)	1	29100034-1A	
PKG	A605	TAPE	NITTO NO.29	(1)	29110149	
PKG	A606	PP TAPE	W48 OPP TAPE	(1)	29110148	
PKG	A650	CARTON	TX-SR603(B)MDD	1	29054323	(B), <DD>
PKG	A650	CARTON	TX-SR603E(B)MPP	1	29054325	(B), <PP>
PKG	A650	CARTON	TX-SR603E(S)MPP	1	29054326	(S), <PP>
PKG	A650	CARTON	TX-SR603(B)	1	29054327	(B), <DC>
PKG	A650	CARTON	TX-SR603(B)	1	29054327	(B), <PA>
PKG	A650	CARTON	TX-SR603(B)	1	29054327	(B), <WT>
PKG	A650	CARTON	TX-SR603(S)	1	29054328	(S), <DC>
PKG	A650	CARTON	TX-SR603(S)	1	29054328	(S), <PA>
PKG	A650	CARTON	TX-SR603(G)	1	29054329	(G), <GK>
PKG	A650	CARTON	TX-SR603(G)	1	29054329	(G), <GR>
PKG	A650	CARTON	TX-SR603(G)	1	29054329	(G), <GQ>
PKG	A650	CARTON	TX-SR603(G)	1	29054329	(G), <WT>
PKG	A650	CARTON	TX-SR8360(G)MGR	1	29054331	<8360>
PKG	A655	UPC LABEL	603(B)	1	29364102	(B), <DD>
PKG	A655	UPC LABEL	603(B)	1	29364102	(B), <DC>
PKG	A655	UPC LABEL	603(S)	1	29364103	(S), <DC>
PKG	A655	EAN LABEL	E(B)	1	29364096	(B), <PP>
PKG	A655	EAN LABEL	E(S)	1	29364097	(S), <PP>
PKG	A655	EAN LABEL	(B)	1	29364098	(B), <PA>
PKG	A655	EAN LABEL	(B)	1	29364098	(B), <WT>
PKG	A655	EAN LABEL	(S)	1	29364099	(S), <PA>
PKG	A655	EAN LABEL	(G)	1	29364100	(G), <GK>
PKG	A655	EAN LABEL	(G)	1	29364100	(G), <GR>
PKG	A655	EAN LABEL	(G)	1	29364100	(G), <GQ>
PKG	A655	EAN LABEL	(G)	1	29364100	(G), <WT>
PKG	A655	EAN LABEL	8360(G)	1	29364101	<8360>
PKG	A660	POLY BAG	350x250	1	29100097-1A	<GK, GQ>
PKG	A660	POLY BAG	350x250	1	29100097-1A	<PP, PA>
PKG	A660	POLY BAG	350x250	1	29100097-1A	<WT>
PKG	A660	POLY BAG	350x250	1	29100097-1A	<8360>
PKG	A800	WRNTY CARD	(ONKYO)	1	29365090C	<DD, DC>
PKG	A800	WRNTY CARD	MGR	1	29365098A	<GR>
PKG	A800	WRNTY CARD	MGQ	1	29365099	<GQ>
PKG	A800	WRNTY CARD	MGR	1	29365098A	<8360>
PKG	A802	INS MANUAL	En(TX-SR603/TX-SR8360)	1	29343945	<DD, DC>
PKG	A802	INS MANUAL	En(TX-SR603/TX-SR8360)	1	29343945	<GK, GR, GQ>
PKG	A802	INS MANUAL	En(TX-SR603/TX-SR8360)	1	29343945	<PP, PA>
PKG	A802	INS MANUAL	En(TX-SR603/TX-SR8360)	1	29343945	<WT>
PKG	A802	INS MANUAL	En(TX-SR603/TX-SR8360)	1	29343945	<8360>
PKG	A803	INS MANUAL	Ct(TX-SR603)	1	29343947	<WT>
PKG	A803	INS MANUAL	Ct(TX-SR603)	1	29343947	<GQ>
PKG	A804	INS MANUAL	Cs(TX-SR603/TX-SR8360)	1	29343948	<GR>
PKG	A804	INS MANUAL	Cs(TX-SR603/TX-SR8360)	1	29343948	<8360>
PKG	A805	INS MANUAL	U2FrEs(TX-SR603)	1	29343949	<DC>
PKG	A805	INS MANUAL	U2FrEs(TX-SR603)	1	29343949	<PP>
PKG	A806	INS MANUAL	U2DeNl(TX-SR603)	1	29343950	<PP>
PKG	A807	INS MANUAL	U2ItSv(TX-SR603)	1	29343951	<PP>
PKG	A808	INS MANUAL	En-Dig(TX-SR603)	1	29343975	<DD>
PKG	A812	BATTERY	R6/AA(UM-3)	3	3010194	
PKG	A812 or	BATTERY	R6/AA(UM-3)	(3)	3010054	
PKG	A813	POLY BAG	t0.1x70x100	1	29100217	
PKG	A815	POLY BAG	350x250	1	29100097-1A	
PKG	A816	LABEL	(SP CABLE)	1	29363059A	
PKG	A820	ANT COIL	NMA-3057	1	232140	
PKG	A821	FM ANT AS	Type W	1	292191	
PKG	A822	POLY BAG	350x250	1	29100097-1A	<PP>
PKG	A823	CV PLUG	CV-K-1	1	25056005	<WT>
PKG	A890	REMO CON	RC-590M	1	24140590	<DD, DC>
PKG	A890	REMO CON	RC-591M	1	24140591	<PP, PA>
PKG	A890	REMO CON	RC-591M	1	24140591	<GK, GR, GQ>

PKG	A890	REMO CON	RC-591M	1	24140591	<WT>
PKG	A890	REMO CON	RC-591M	1	24140591	<8360>
EXP	U23	MIC AS	MIC-5000	1	1B068MIC	