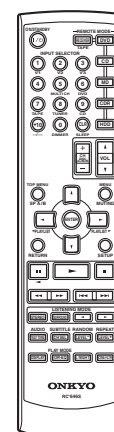
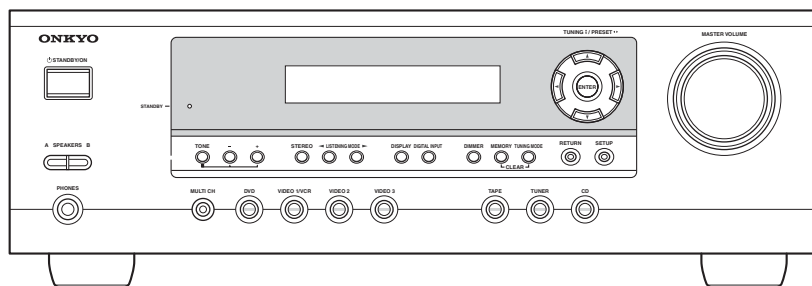


ONKYO SERVICE MANUAL

AV RECEIVER MODEL HT-R340 For HT-S3100 / HT-S3105



RC-646S

HT-R340 for HT-S3100 Black and Silver models

B MDD	120V AC, 60Hz
B MDC, S MDC	120V AC, 60Hz
B MWO, S MWO	120/220-240V AC, 50/60Hz
S MWF	120/220-240V AC, 50/60Hz

HT-R340 for HT-S3105 Black and Silver models

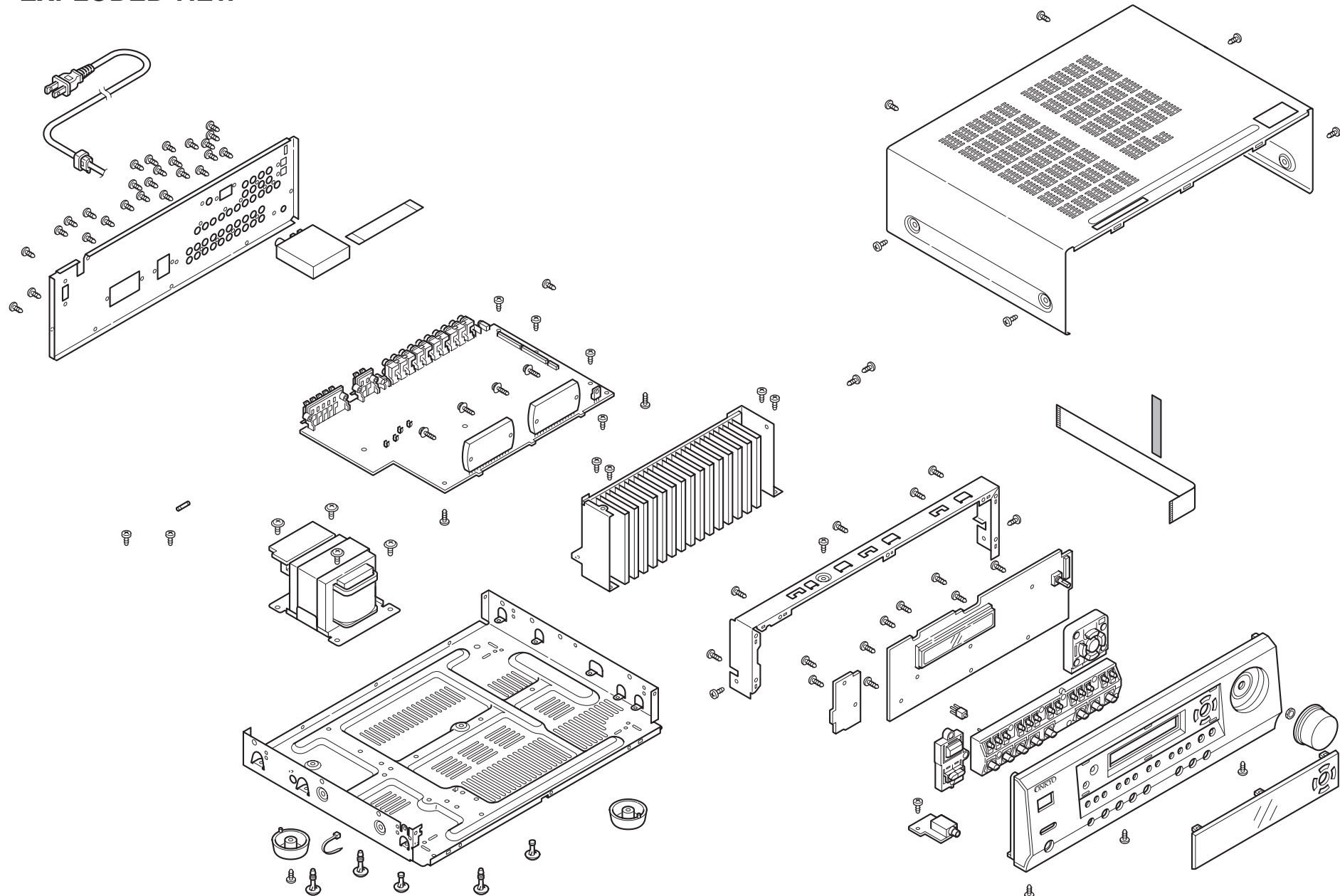
B MPP, S MPP	230-240V AC, 50Hz
--------------	-------------------

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.

EXPLODED VIEW



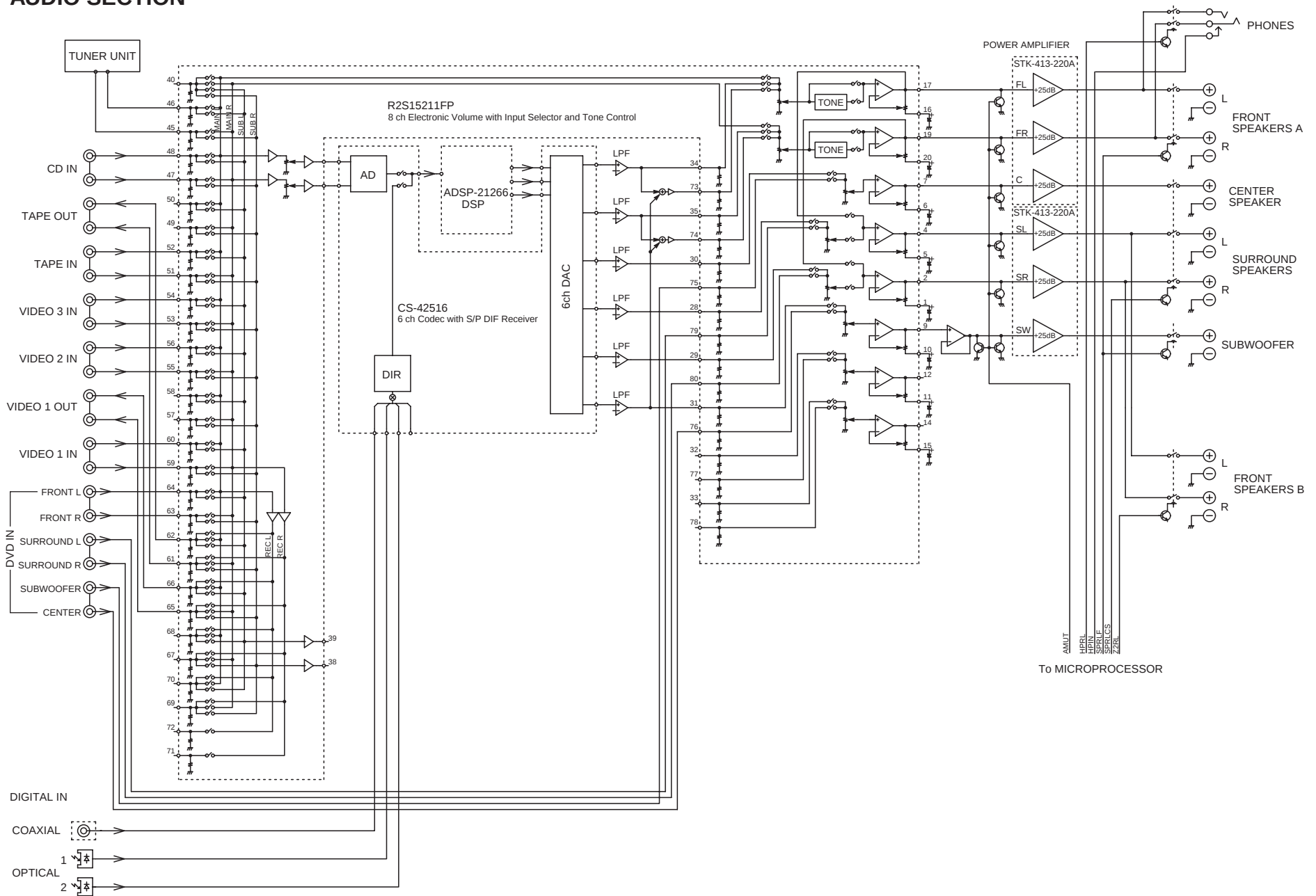
BLOCK DIAGRAM AUDIO SECTION

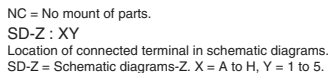
1

2

3

4





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

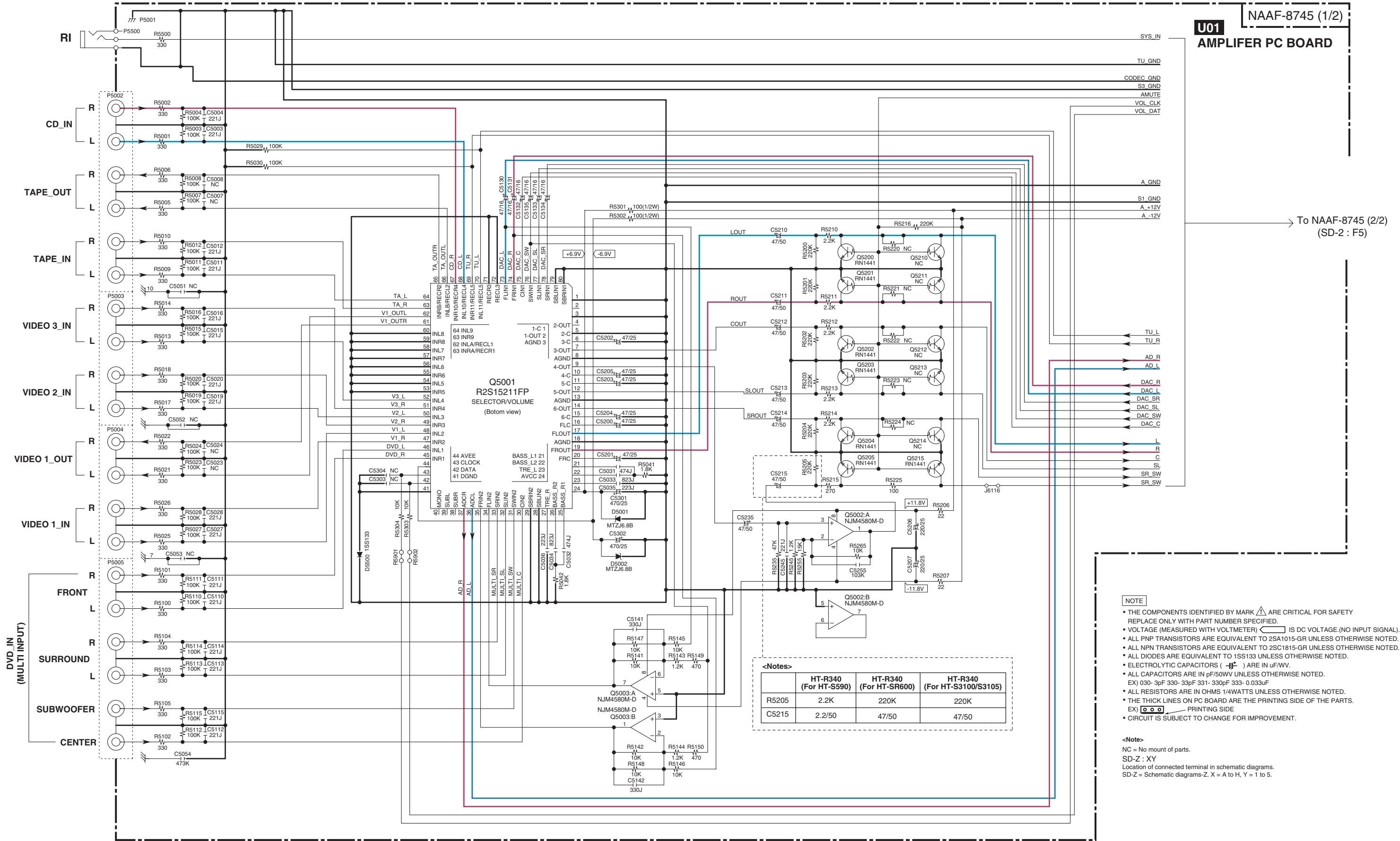
1

2

3

4

5

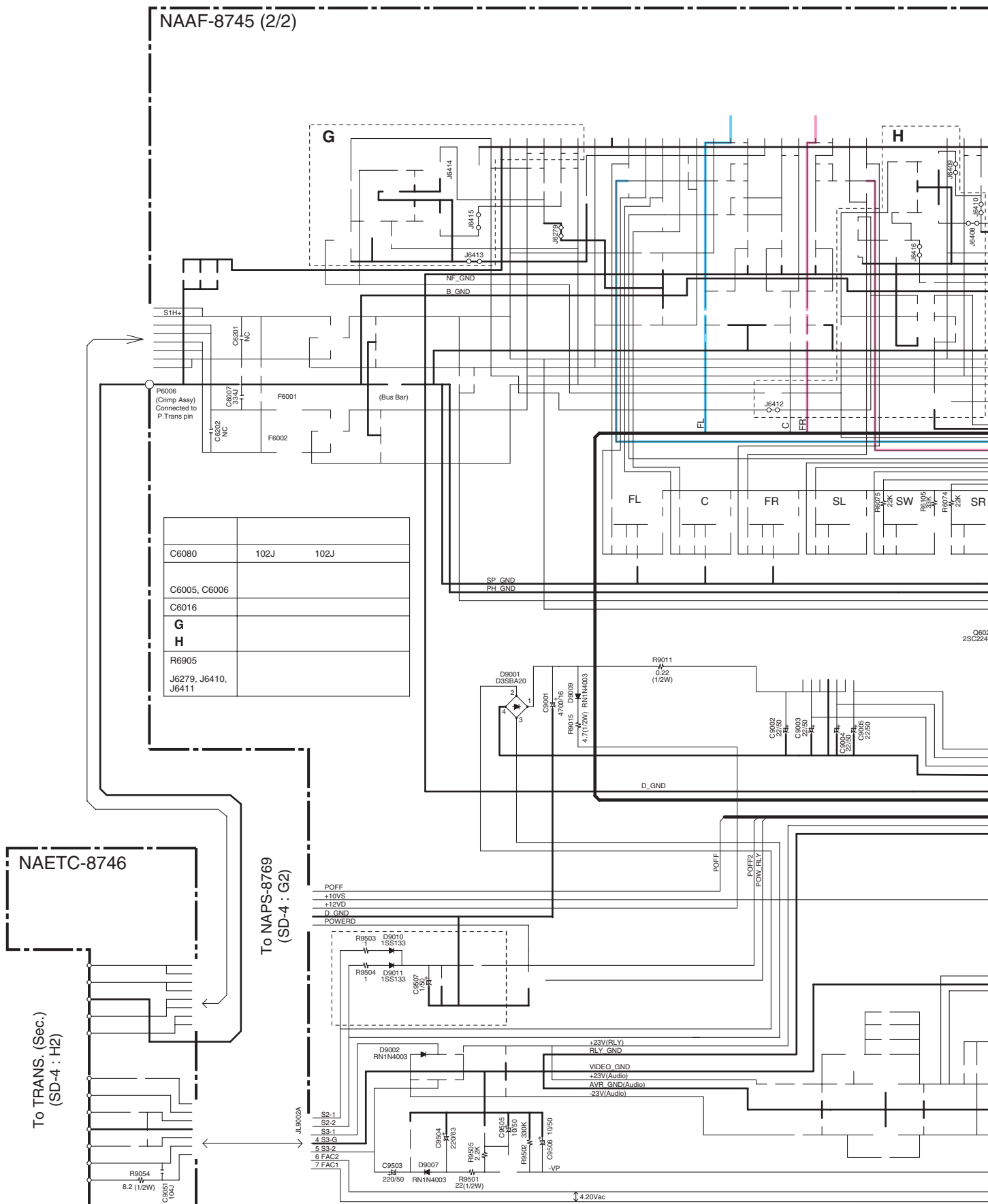


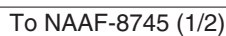
- NOTE
- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
 - VOLTAGE (MEASURED WITH VOLTMETER) IS DC VOLTAGE.(NO INPUT SIGNAL).
 - ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
 - ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR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

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

SCHEMATIC DIAGRAMS-2(SD-2)

POWER AMPLIFIER SECTION

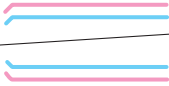
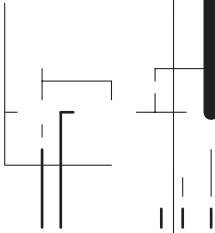
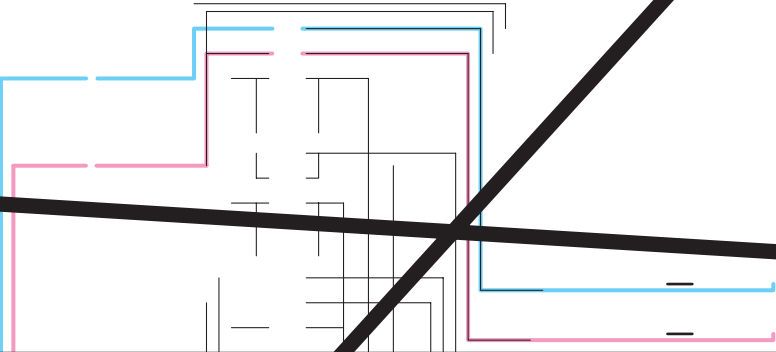




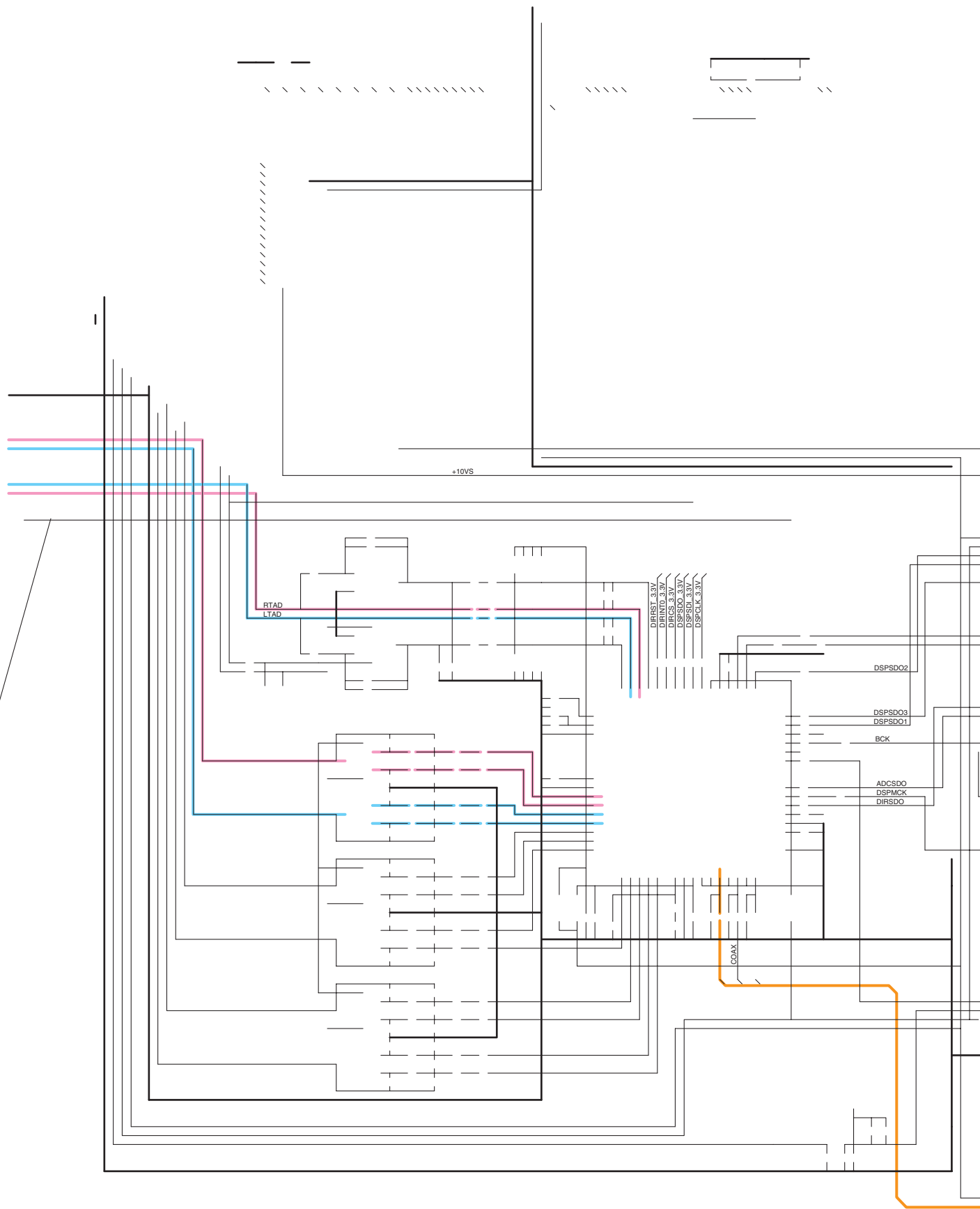
SCHEMAT
POWER AM

RAMS-2(SD-2)
ECTION

HT-R3/ J(HT-S3100/S3105)



SCHEMATIC DIAGRAMS-3(SD-3)
DSP & MICROPROCESSOR SECTION



NADG-8756

U04

DSP & MICROPROCESSOR PC BOARD

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

	MDD, MDC	MWO, MWF
R671	33k	None
R771	56k	10k
R766	None	1k

displayed

MPP

None

None

None

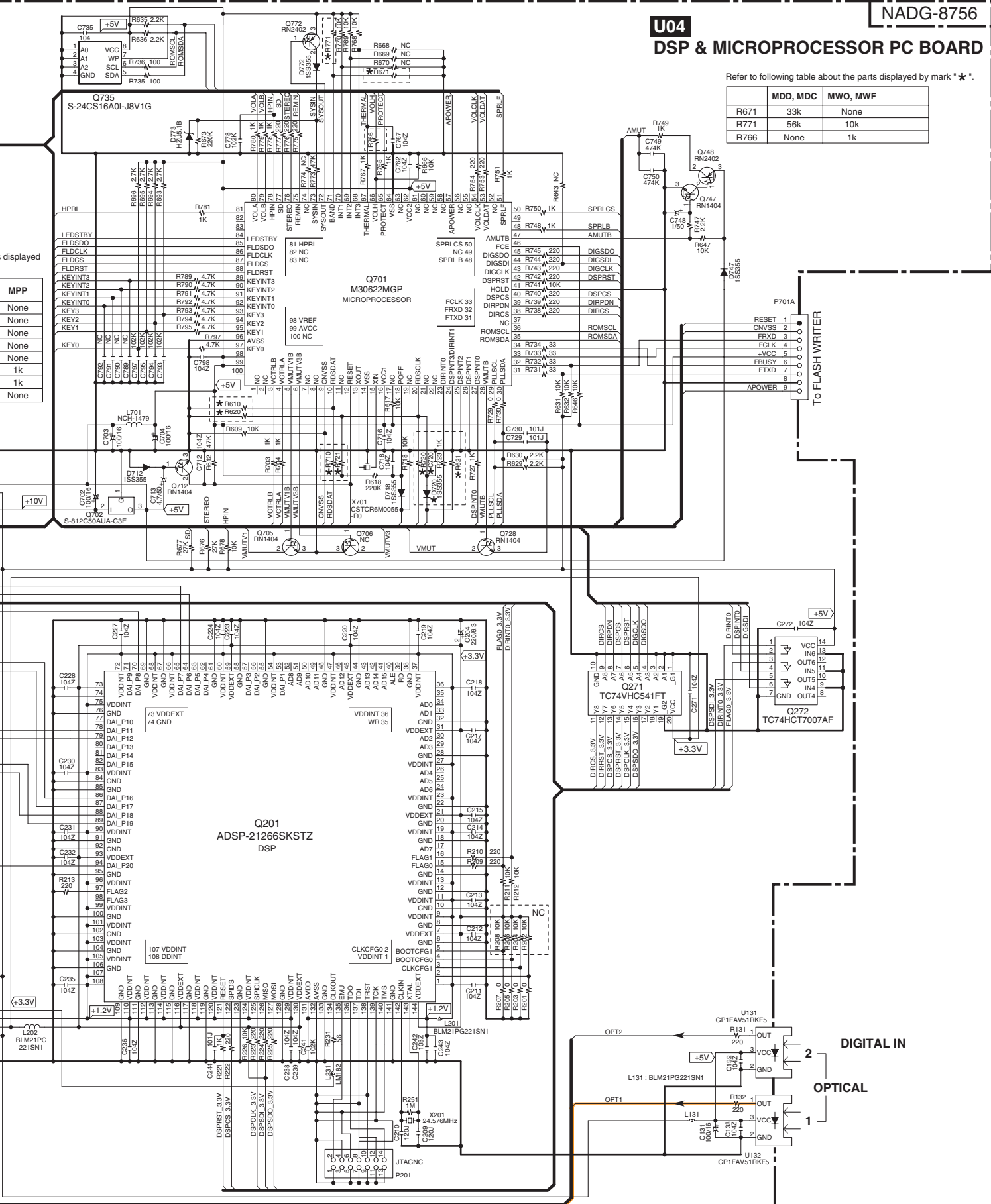
None

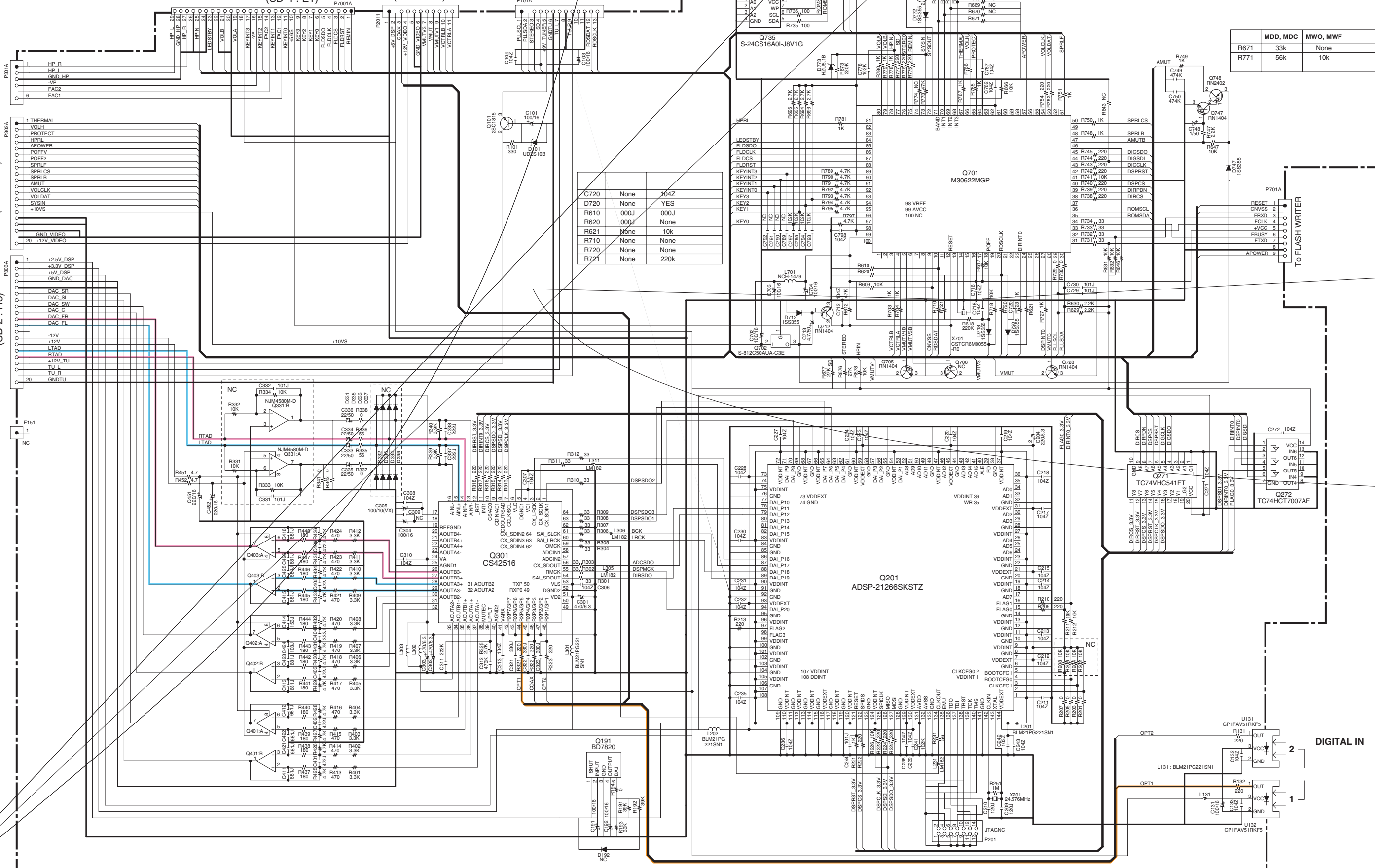
None

1k

1k

None



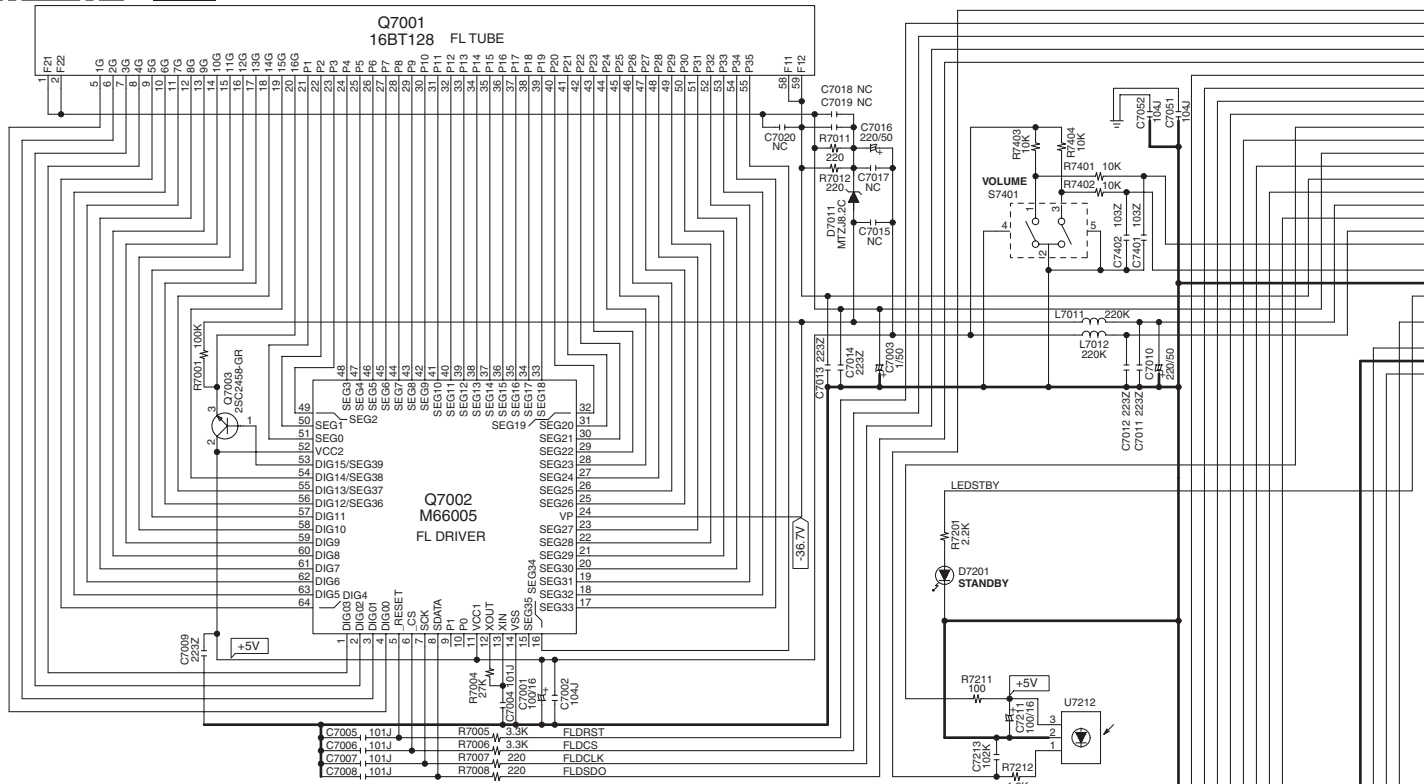


SCHEMATIC DIAGRAMS-4(SD-4)

DISPLAY SECTION / POWER SUPPLY SECTION / VIDEO SECTION

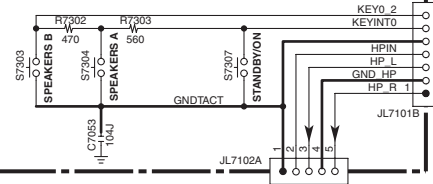
NADIS-8767

U05 DISPLAY PC BOARD

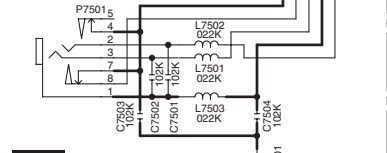


NASW-8770

U08 SWITCH PC BOARD



PHONES



U09 HEADPHONE JACK PC BOARD

NAETC-8771

NOTE

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
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- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS () 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.

SD-Z : XY

Location of connected terminal in schematic diagrams.

SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

CAUTION

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

ATTENTION

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

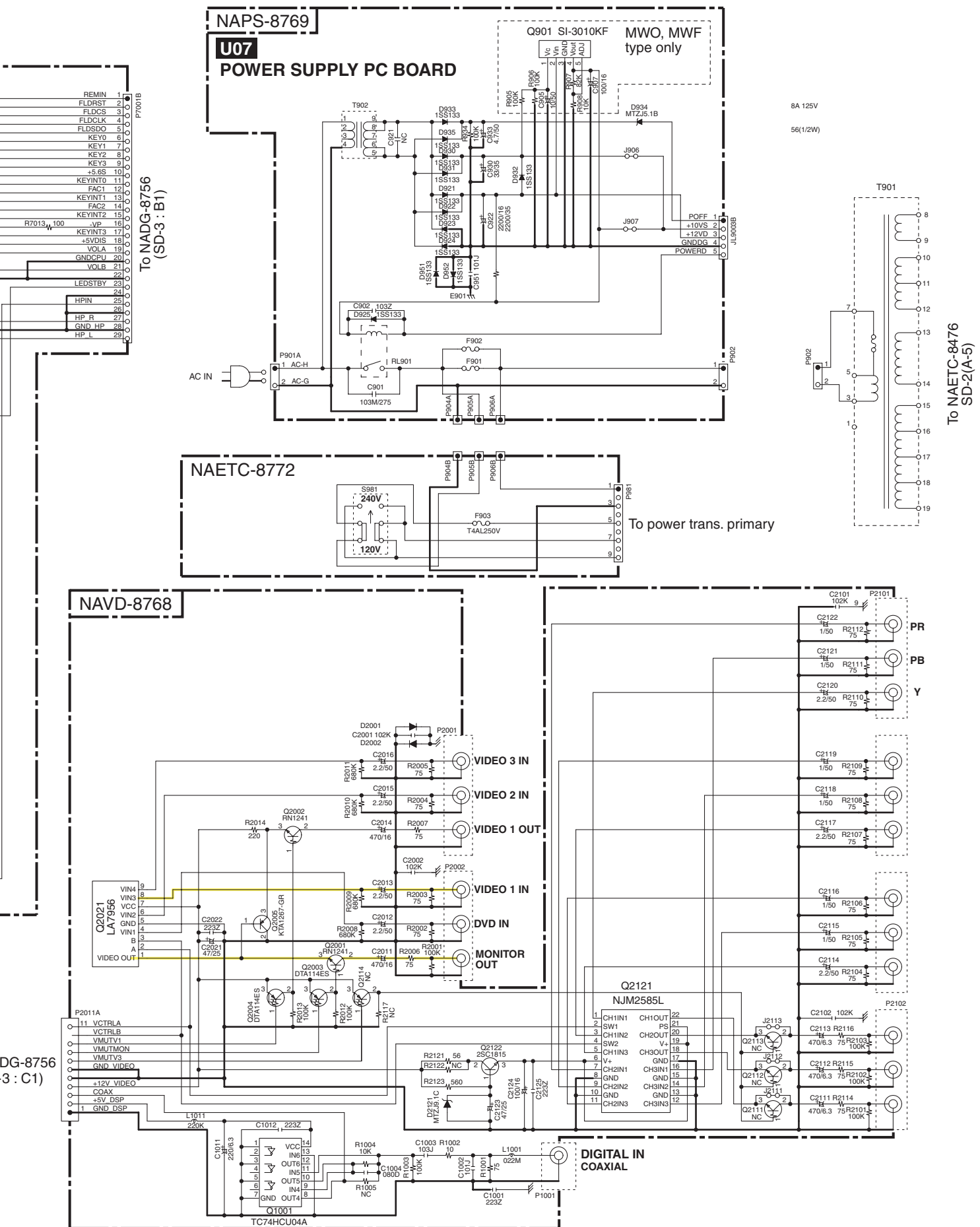


THIS SYMBOL LOCATED NEAR THE FUSE INDICATES THAT THE FUSE USED IS SLOW OPERATING TYPE FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE WITH SAME TYPE FUSE. FOR FUSE RATING REFER TO THE MARKING ADJACENT TO THE SYMBOL.



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

To NADG (SD-3 :



SCHEMATIC DIAGRAMS-4(SD-4)

DISPLAY SECTION / POWER SUPPLY SECTION / VIDEO SECTION

1

2

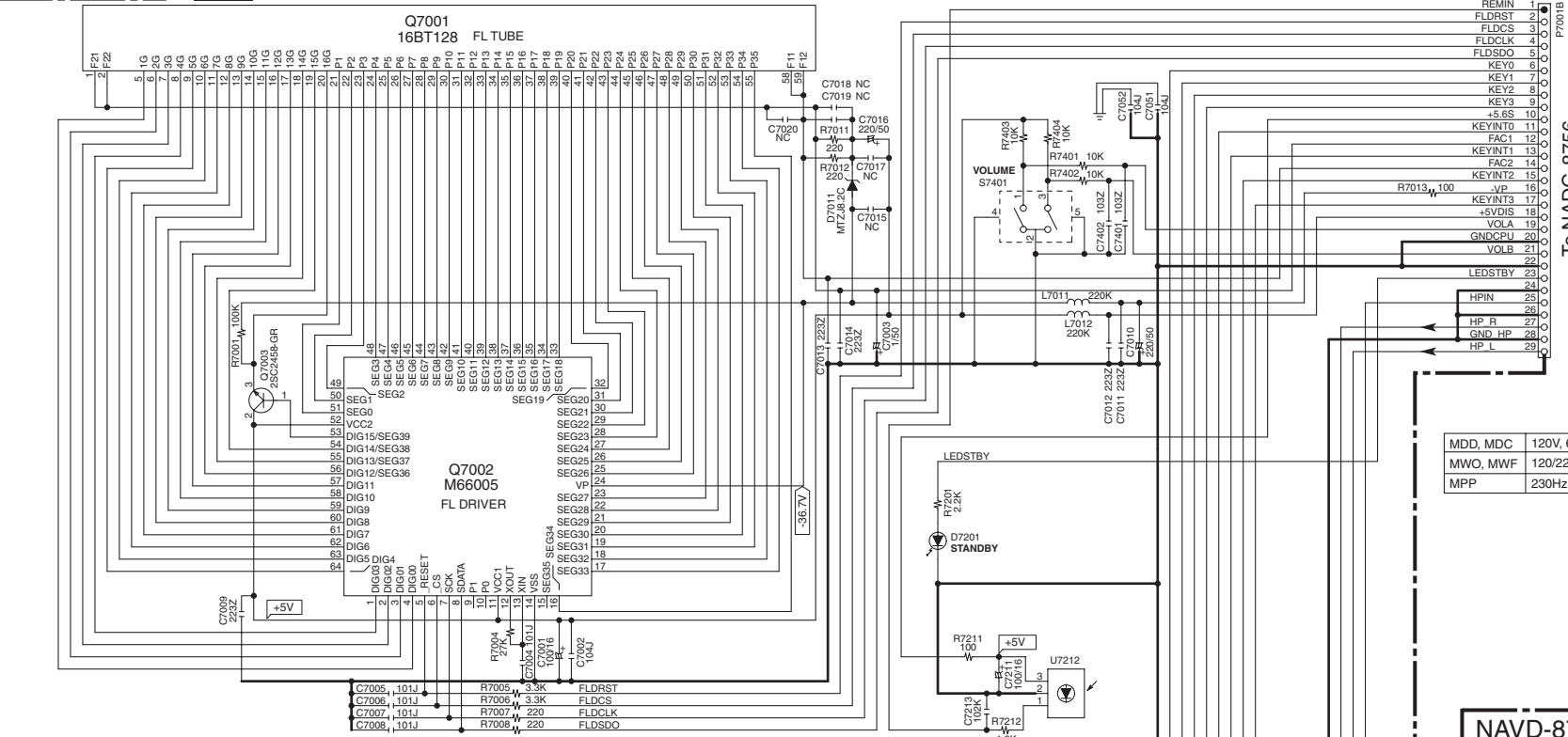
3

4

5

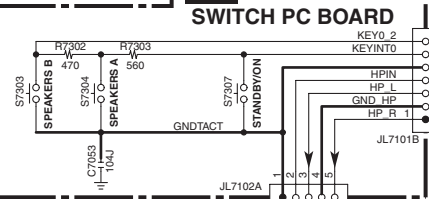
NADIS-8767

U05 DISPLAY PC BOARD

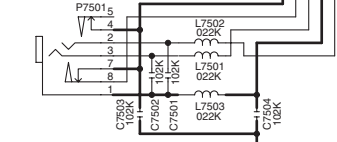


NASW-8770

U08 SWITCH PC BOARD



PHONES



U09 HEADPHONE JACK PC BOARD

NAETC-8771

NOTE

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
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- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS () 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.
SD-Z: XY
Location of connected terminal in schematic diagrams.
SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

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

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

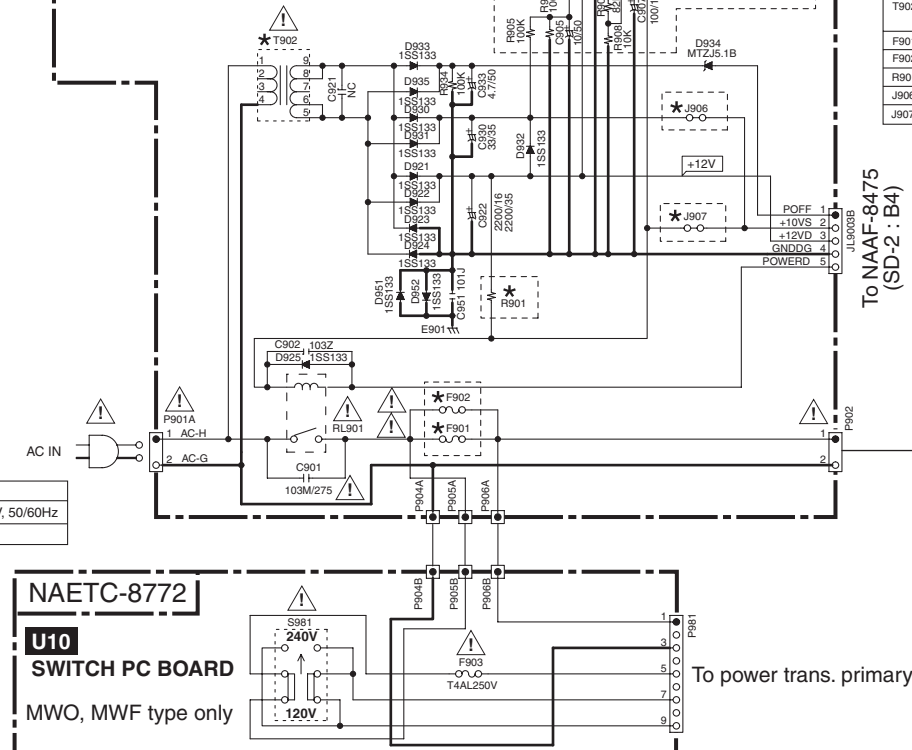
THIS SYMBOL LOCATED NEAR THE FUSE INDICATES
THAT THE FUSE USED IS SLOW OPERATING TYPE
FOR CONTINUED PROTECTION AGAINST FIRE
HAZARD. REPLACE WITH SAME TYPE FUSE. FOR FUSE
RATING REFER TO THE MARKING ADJACENT TO THE SYMBOL.

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

To NADG-8756
(SD-3 : C1)

NAPS-8769

U07 POWER SUPPLY PC BOARD



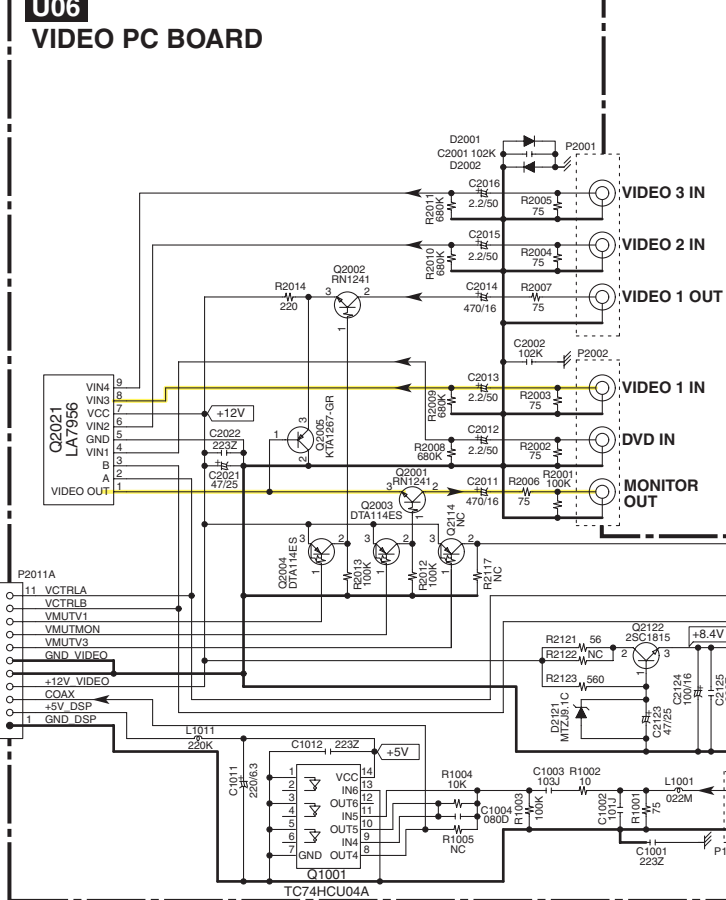
NAETC-8772

U10 SWITCH PC BOARD

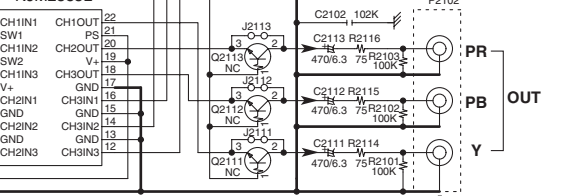
MWO, MWF type only

NAVD-8768

U06 VIDEO PC BOARD



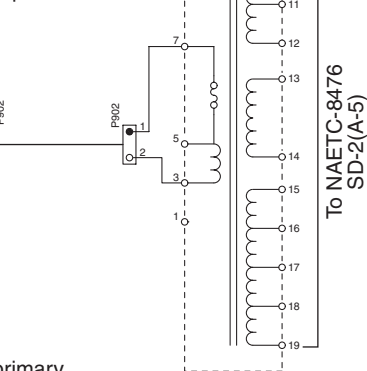
VIDEO SWITCH
Q2121
NJM2585L



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

	MDD, MDC	MWO, MWF	MPP
T901	NPT-1516D	NPT-1516DQ	NPT-1516P
T902	NPT-1520JQ	NPT-1519JQ	NPT-1519GQ NPT-1520GQ
F901	8A 125V	None	None
F902	None	T4AL250V	T4AL250V
R901	56(1/2W)	None	56(1/2W)
J906	Yes	None	Yes
J907	None	Yes	None

To NAAF-8475
(SD-2 : B4)



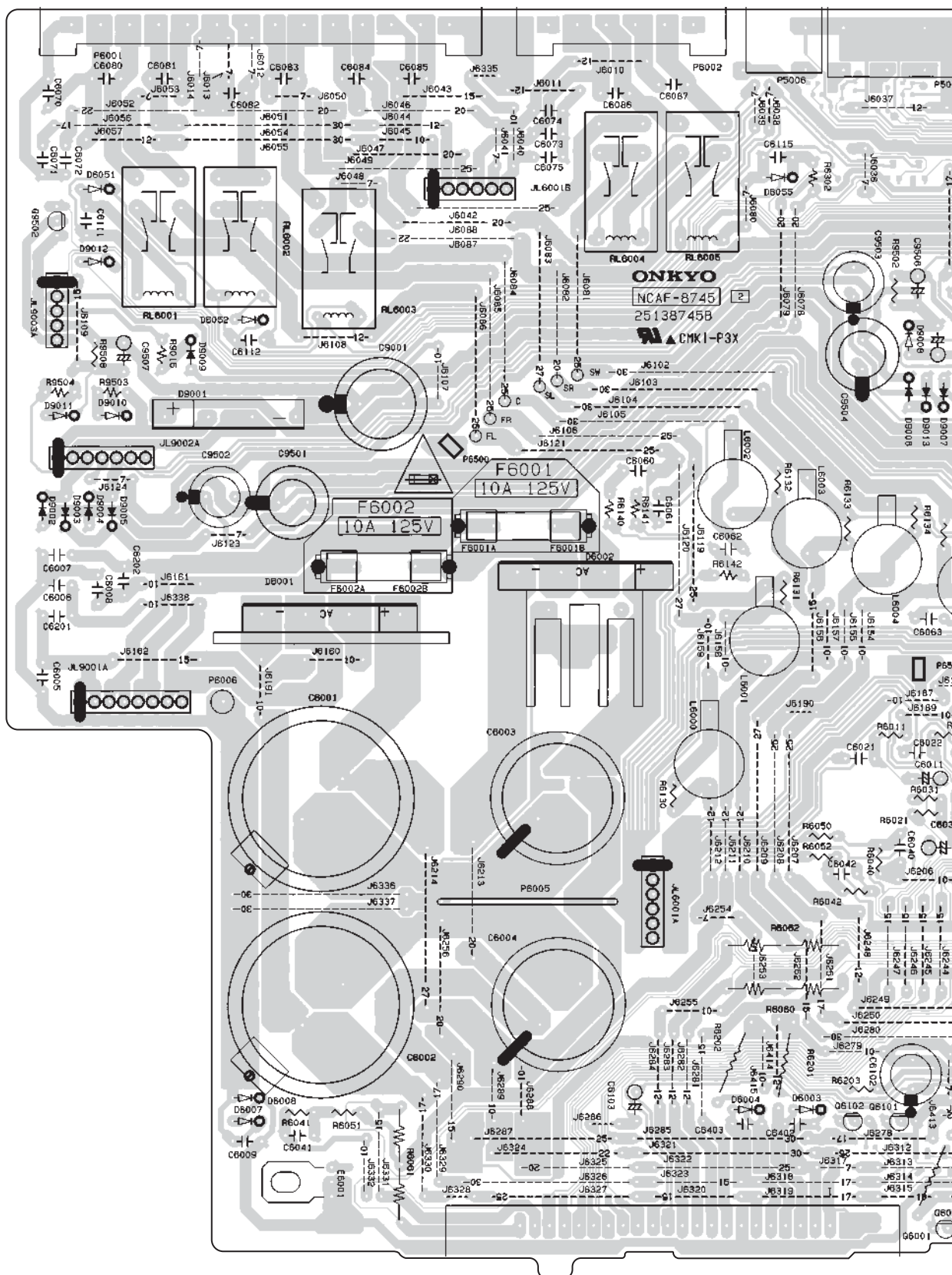
To NAETC-8476
SD-2(A-5)

To power trans. primary

PRINTED CIRCUIT BOARD VIEWS-1

U01 AMPLIFIER PC BOARD (NAAF-8745)

Component side



PRINTED CIRCUIT BOARD VIEWS-1

U01 AMPLIFIER PC BOARD (NAAF-8745)
Component side

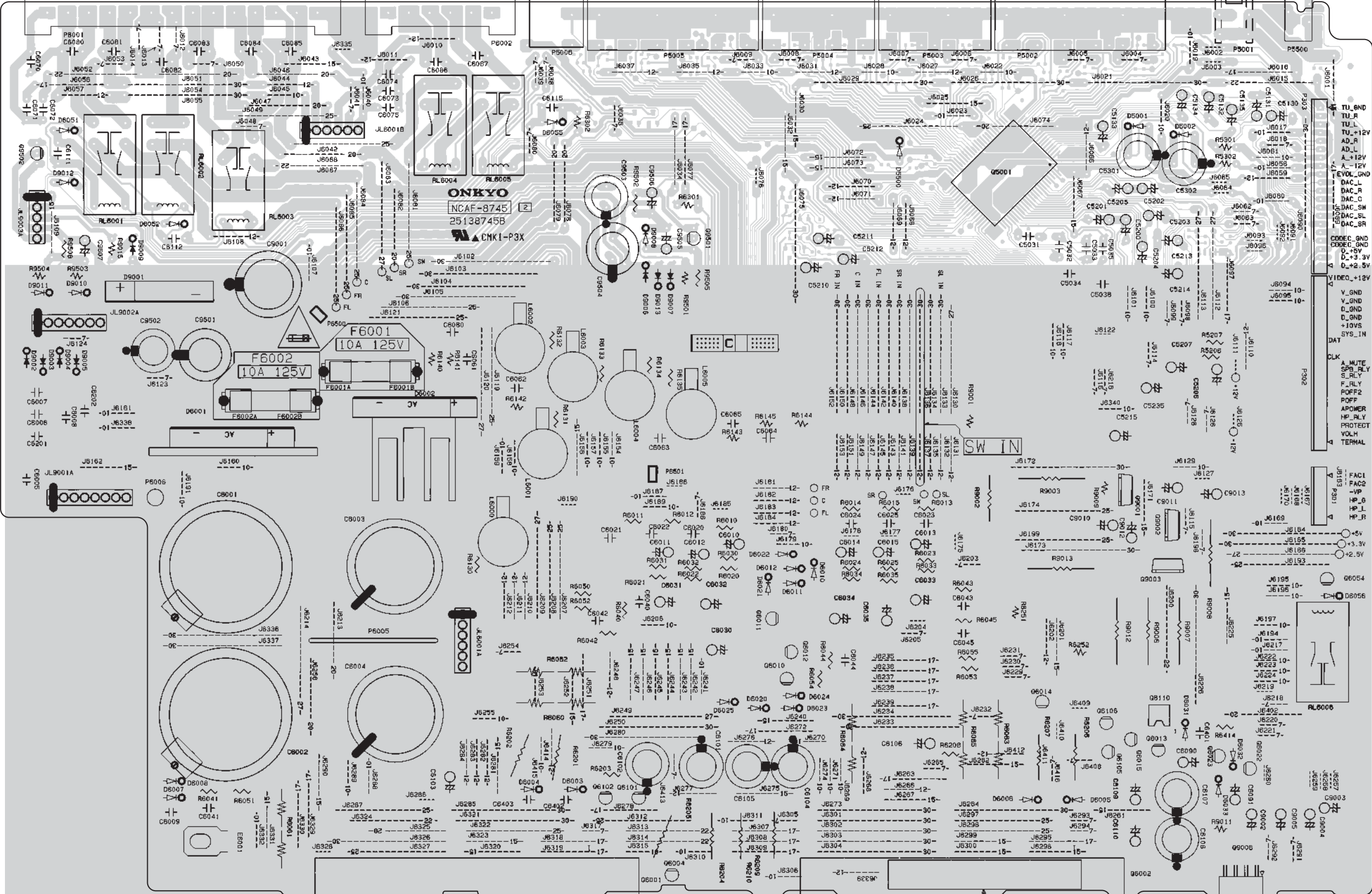
1

2

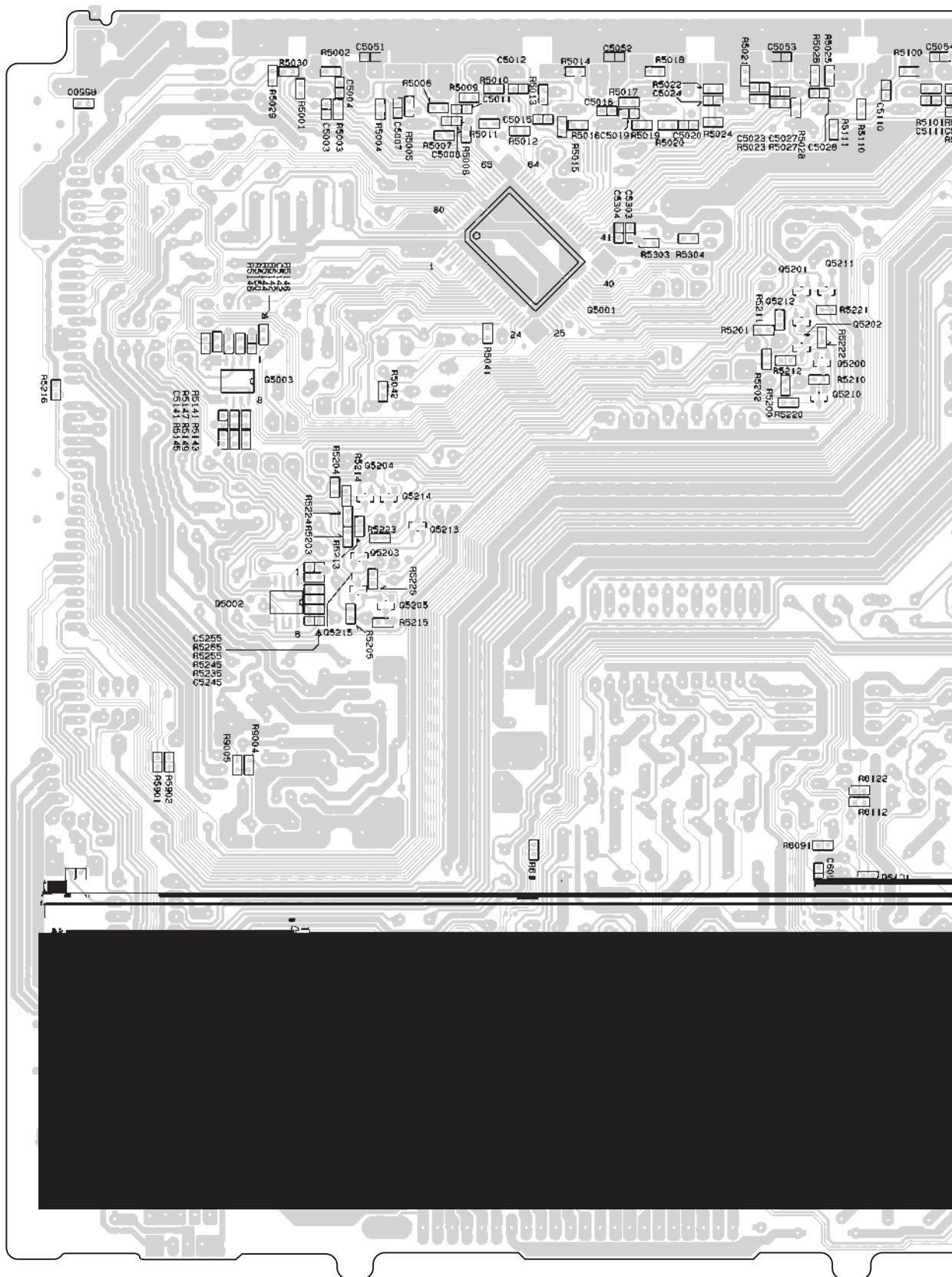
3

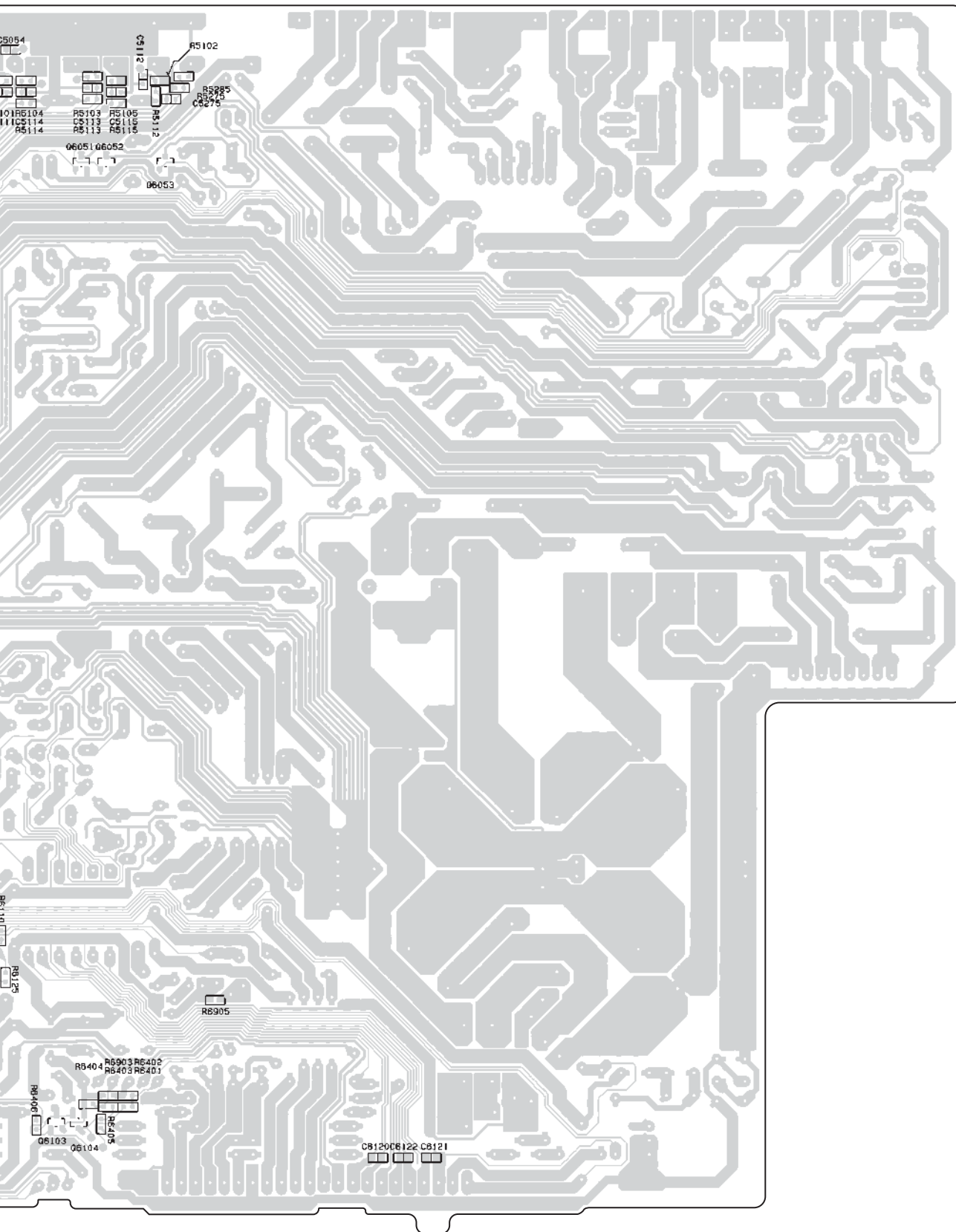
4

5



Soldering side





A

B

C

D

E

F

G

H

PRINTED CIRCUIT BOARD VIEWS-2

U01 AMPLIFIER PC BOARD (NAAF-8745)

Soldering side

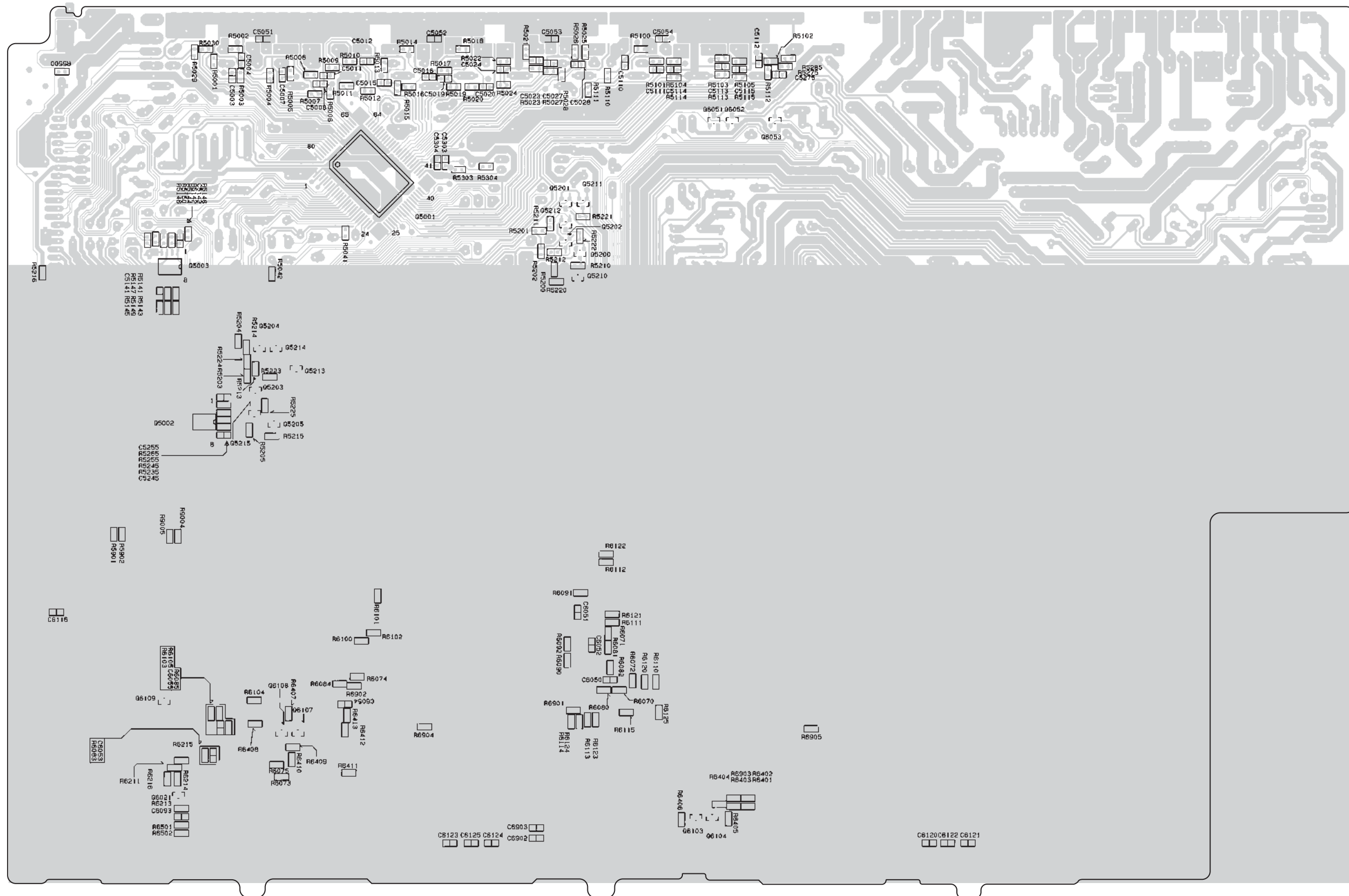
1

2

3

4

5



A

B

C

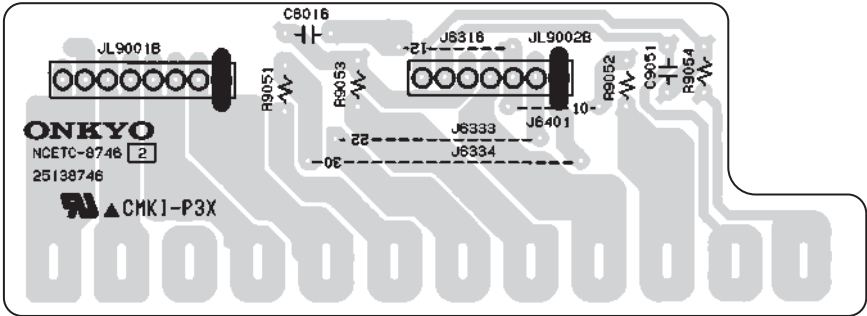
D

PRINTED CIRCUIT BOARD VIEWS-3

1

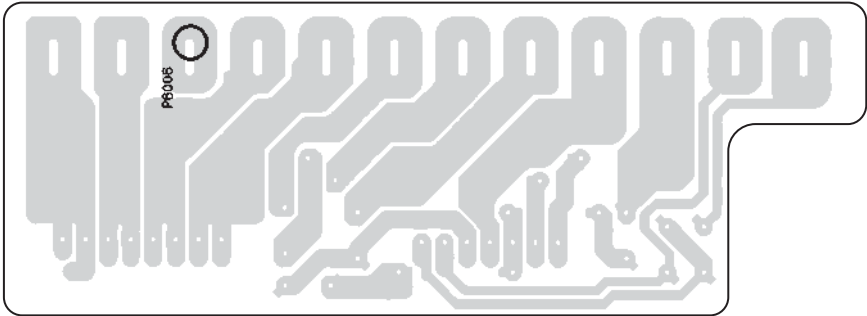
U02 TRANS SEC. TERMINAL PC BOARD (NAETC-8746)

Component side



2

Soldering side



3

4

5

A

B

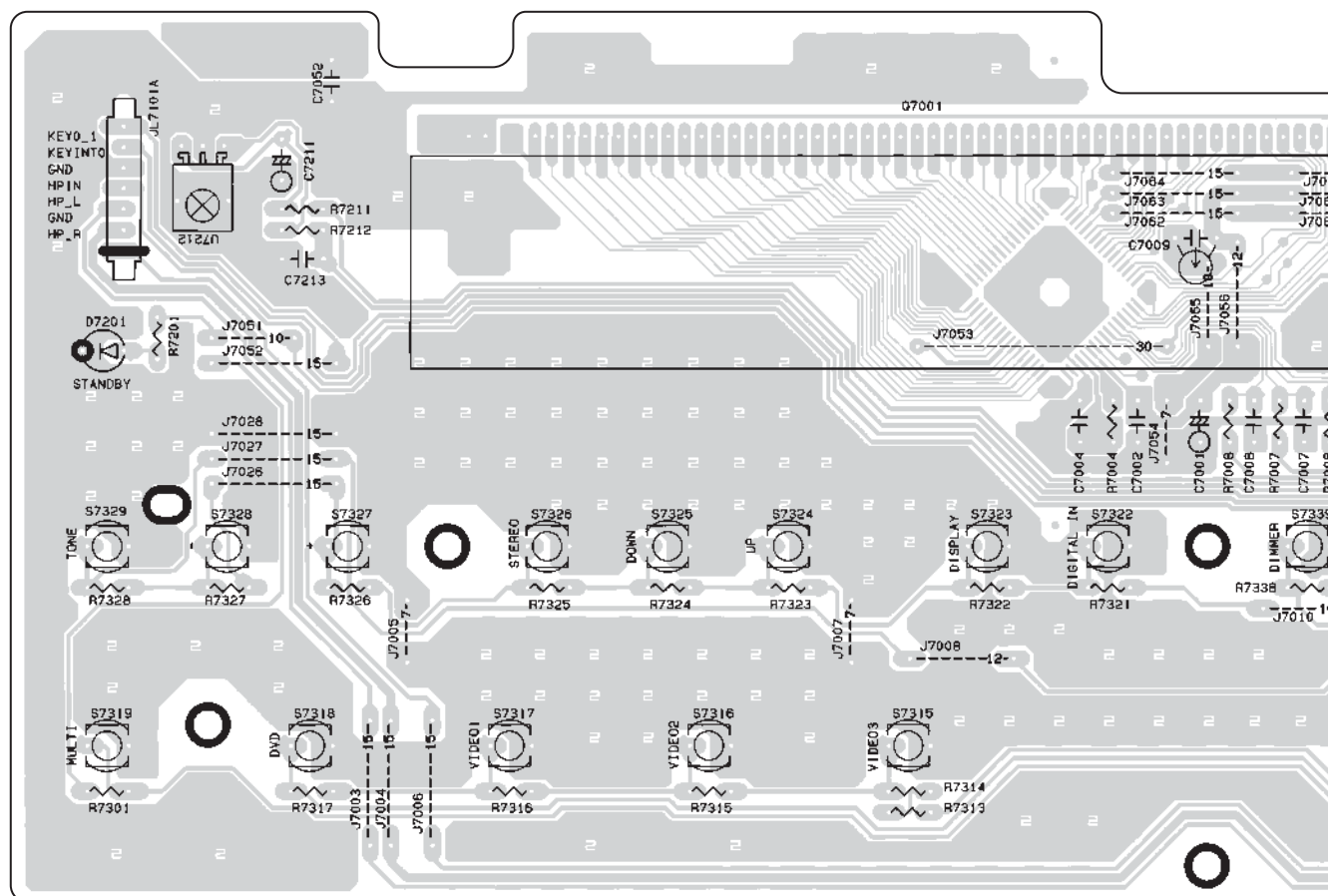
C

D

PRINTED CIRCUIT BOARD VIEWS-5

U05 DISPLAY PC BOARD (NADIS-8767)

Component side

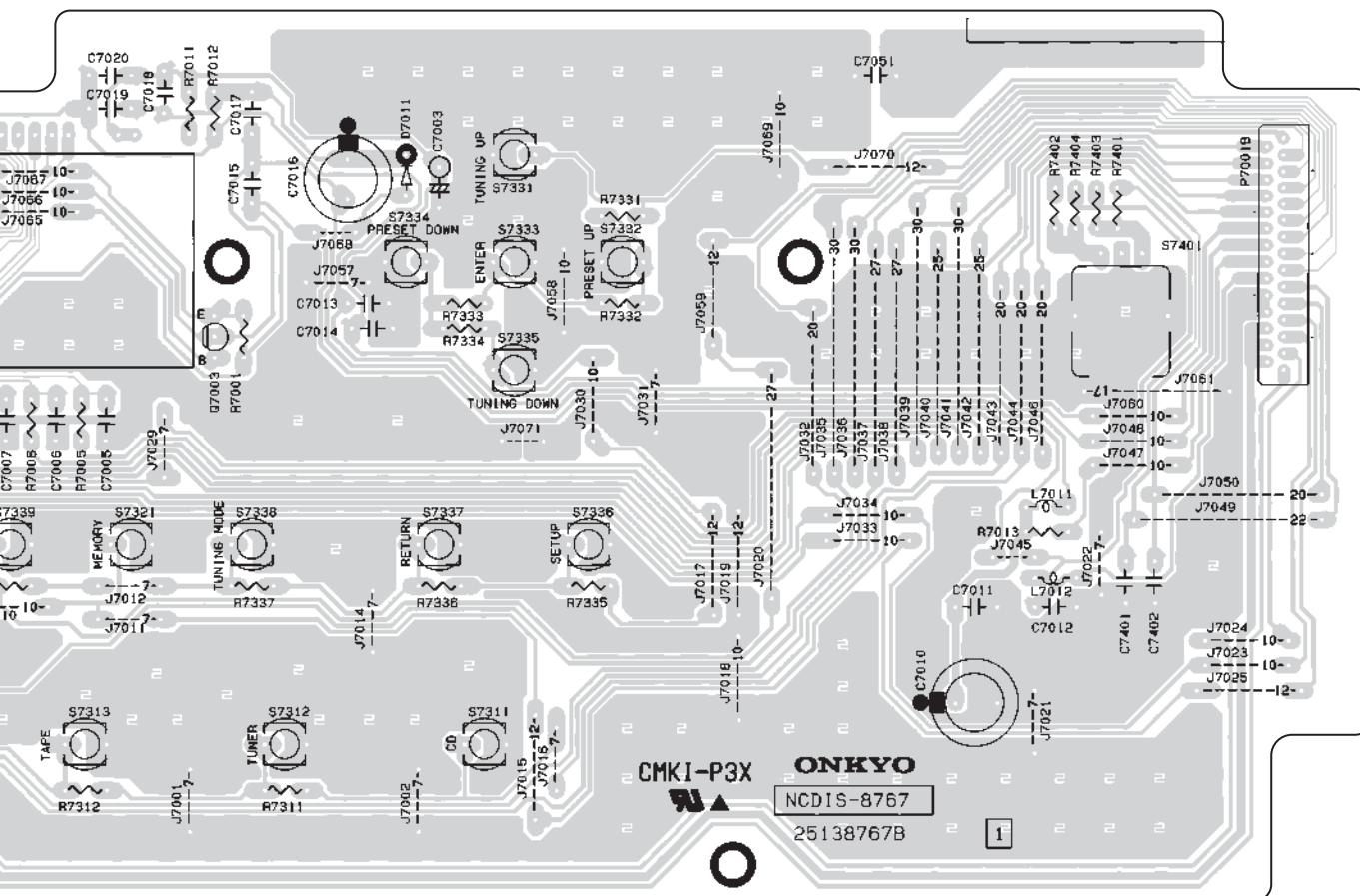


E

F

G

H



A

B

C

D

E

F

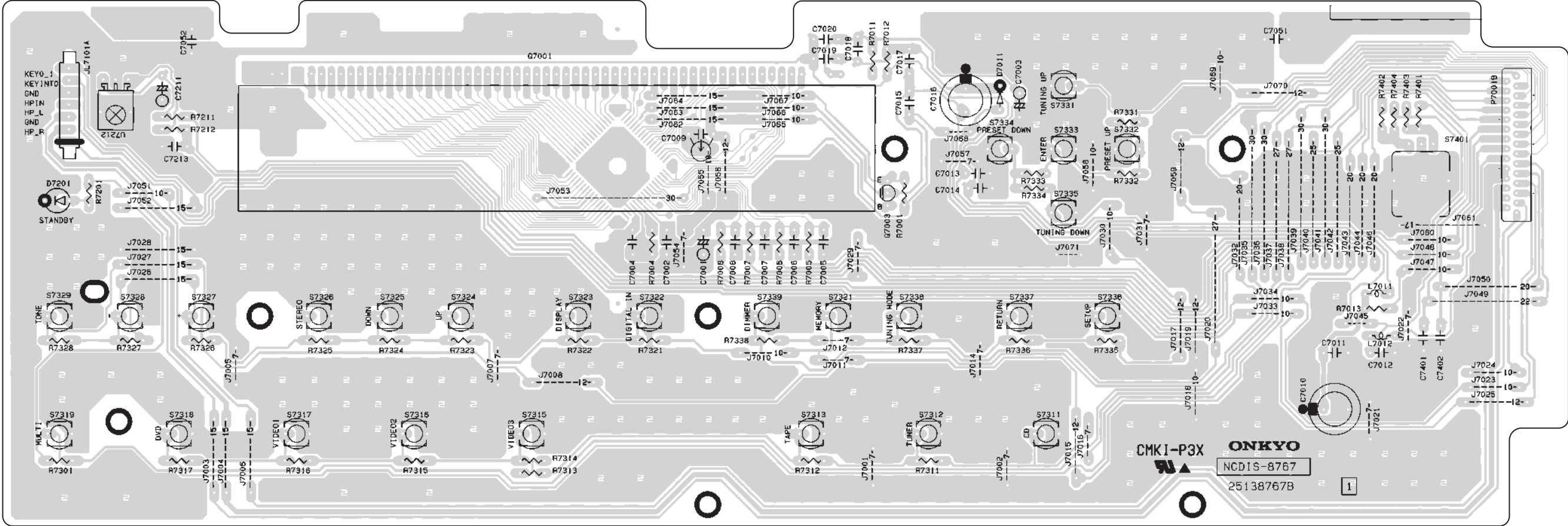
G

H

PRINTED CIRCUIT BOARD VIEWS-5

U05 DISPLAY PC BOARD (NADIS-8767)

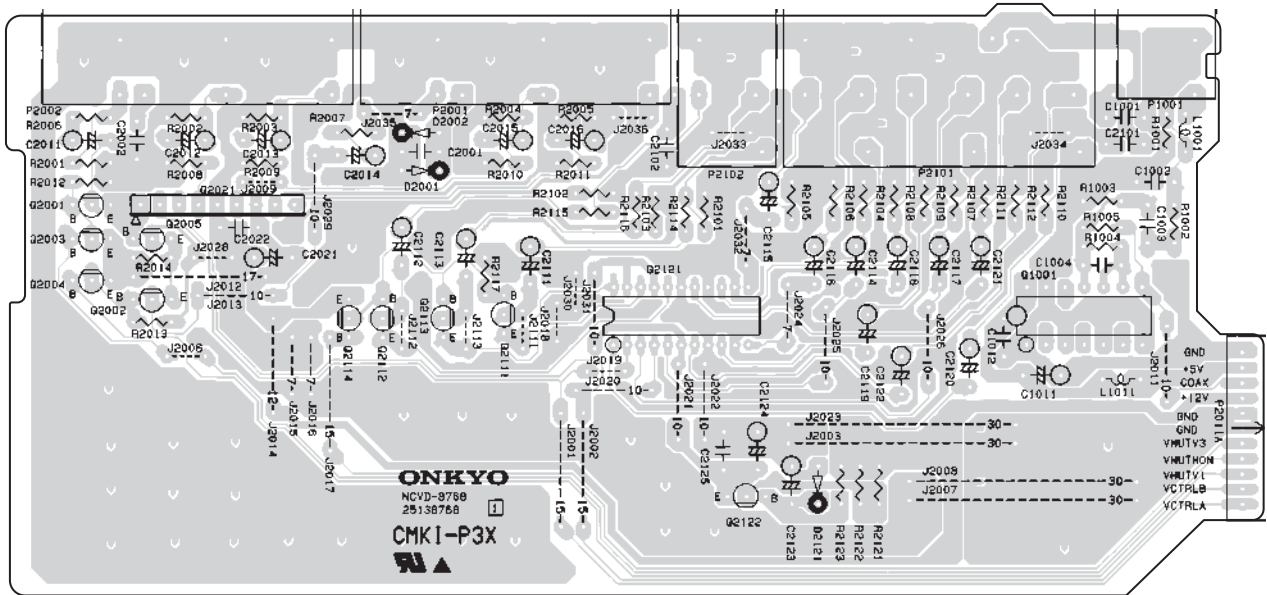
Component side



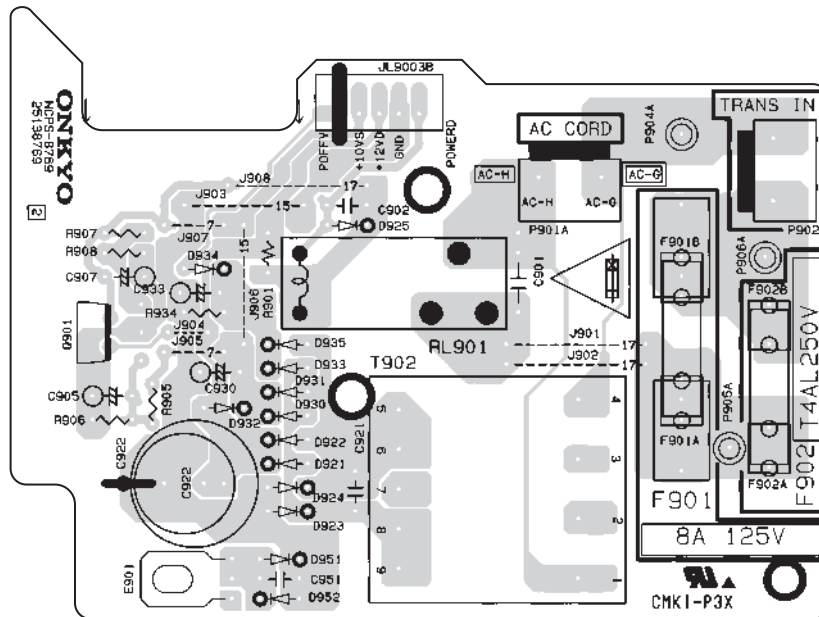
	A	B	C	D
PRINTED CIRCUIT BOARD VIEWS-6				

U06 VIDEO PC BOARD (NAVD-8768)

Component side

**U07 POWER SUPPLY PC BOARD (NAPS-8769)**

Component side



A

B

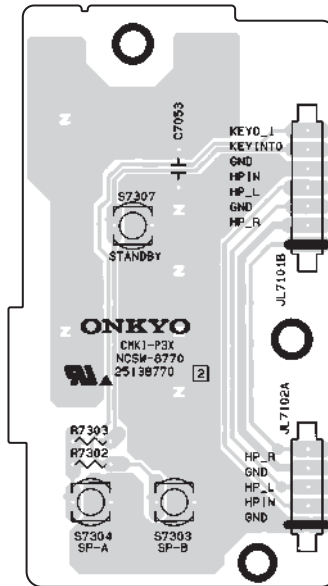
C

D

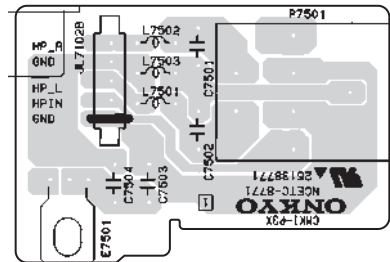
PRINTED CIRCUIT BOARD VIEWS-7

U08 SWITCH PC BOARD (NASW-8770)

Component side

**U09 HEADPHONE JACK PC BOARD (NAETC-8771)**

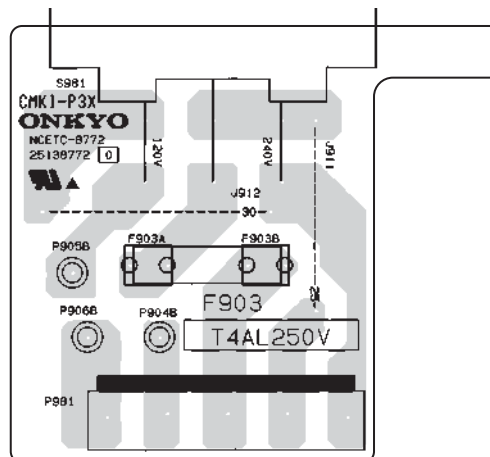
Component side

**U10 SWITCH PC BOARD (NAETC-8772)**

Component side

<Note>

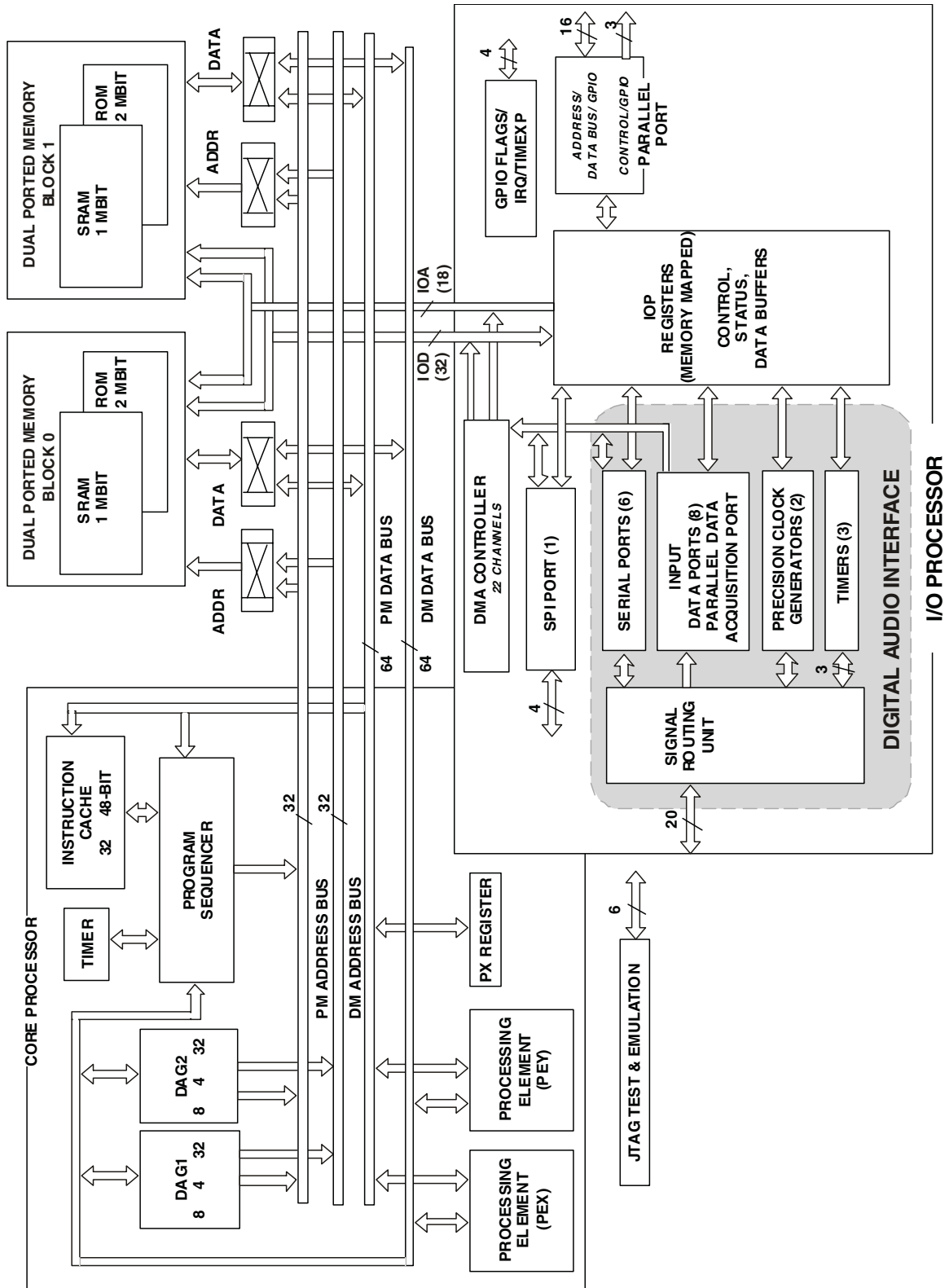
MWT type only



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-1

Q201 : ADSP-21266(32 bit, Floating-point SHARC DSP)-1/5

BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-2

Q201 : ADSP-21266(32 bit, Floating-point SHARC DSP)-2/5

TERMINAL DESCRIPTION(1/3)

Pin	Type	Function
AD15–0	I/O/T	Parallel Port Address/Data. The ADSP-21266 parallel port and its corresponding DMA unit output addresses and data for peripherals on these multiplexed pins. The multiplex state is determined by the ALE pin. The parallel port can operate in either 8-bit or 16-bit mode. Each AD pin has a 22.5 k ohms internal pull-up resistor. See Address Data Modes on Page 14 for details of the AD pin operation. For 8-bit mode: ALE is automatically asserted whenever a change occurs in the upper 16 external address bits, A23–8; ALE is used in conjunction with an external latch to retain the values of the A23–8. For 16-bit mode: ALE is automatically asserted whenever a change occurs in the address bits, A15–0; ALE is used in conjunction with an external latch to retain the values of the A15–0. To use these pins as flags (FLAG15–0) set (=1) Bit 20 of the SYSCTL register and disable the parallel port. See Table 4 on Page 14 for a list of how the AD15–0 pins map to the flag pins. When configured in the IDP_PDAP_CTL register, the IDP Channel 0 can use these pins for parallel input data.
RD	O	Parallel Port Read Enable. RD is asserted low whenever the DSP reads 8-bit or 16-bit data from an external memory device. When AD15–0 are flags, this pin remains deasserted.
WR	O	Parallel Port Write Enable. WR is asserted low whenever the DSP writes 8-bit or 16-bit data to an external memory device. When AD15–0 are flags, this pin remains deasserted.
ALE	O	Parallel Port Address Latch Enable. ALE is asserted whenever the DSP drives a new address on the parallel port address pin. On reset, ALE is active high. However, it can be reconfigured using software to be active low. When AD15–0 are flags, this pin remains deasserted.
FLAG3–0	I/O/A	Flag Pins. Each FLAG pin is configured via control bits as either an input or output. As an input, it can be tested as a condition. As an output, it can be used to signal external peripherals. These pins can be used as an SPI interface slave select output during SPI mastering. These pins are also multiplexed with the IRQx and the TIMEXP signals. In SPI master boot mode, FLAG0 is the slave select pin that must be connected to an SPI EPROM. FLAG0 is configured as a slave select during SPI master boot. When Bit 16 is set (=1) in the SYSCTL register, FLAG0 is configured as IRQ0. When Bit 17 is set (=1) in the SYSCTL register, FLAG1 is configured as IRQ1. When Bit 18 is set (=1) in the SYSCTL register, FLAG2 is configured as IRQ2. When Bit 19 is set (=1) in the SYSCTL register, FLAG3 is configured as TIMEXP, which indicates that the system timer has expired.
DAI_P20–1	I/O/T	Digital Audio Interface Pins. These pins provide the physical interface to the SRU. The SRU configuration registers define the combination of on-chip peripheral inputs or outputs connected to the pin and to the pin's output enable. The configuration registers of these peripherals then determine the exact behavior of the pin. Any input or output signal present in the SRU may be routed to any of these pins. The SRU provides the connection from the serial ports, input data port, precision clock generators, and timers to the DAI_P20–1 pins. These pins have internal 22.5 k ohms pull-up resistors which are enabled on reset. These pull-ups can be disabled in the DAI_PIN_PULLUP register.

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-3

Q201 : ADSP-21266(32 bit, Floating-point SHARC DSP)-3/5

TERMINAL DESCRIPTION(2/3)

Pin	Type	Function
SPICLK	I/O	Serial Peripheral Interface Clock Signal. Driven by the master, this signal controls the rate at which data is transferred. The master may transmit data at a variety of baud rates. SPICLK cycles once for each bit transmitted. SPICLK is a gated clock that is active during data transfers, only for the length of the transferred word. Slave devices ignore the serial clock if the slave select input is driven inactive (HIGH). SPICLK is used to shift out and shift in the data driven on the MISO and MOSI lines. The data is always shifted out on one clock edge and sampled on the opposite edge of the clock. Clock polarity and clock phase relative to data are programmable into the SPICTL control register and define the transfer format. SPICLK has a 22.5 k ohms internal pull-up resistor. If SPI master boot mode is selected, MOSI and SPICLK pins are driven during reset. These pins are not three-stated during reset in SPI master boot mode.
SPIDS	I	Serial Peripheral Interface Slave Device Select. An active low signal used to select the DSP as an SPI slave device. This input signal behaves like a chip select, and is provided by the master device for the slave devices. In multimaster mode the DSP's SPIDS signal can be driven by a slave device to signal to the DSP (as SPI master) that an error has occurred, as some other device is also trying to be the master device. If asserted low when the device is in master mode, it is considered a multimaster error. For a single master, multiple-slave configuration where flag pins are used, this pin must be tied or pulled high to VDDEXT on the master device. For ADSP-21266 to ADSP-21266 SPI interaction, any of the master ADSP-21266's flag pins can be used to drive the SPIDS signal on the ADSP-21266 SPI slave device.
MOSI	I/O (O/D)	SPI Master Out Slave In. If the ADSP-21266 is configured as a master, the MOSI pin becomes a data transmit (output) pin, transmitting output data. If the ADSP-21266 is configured as a slave, the MOSI pin becomes a data receive (input) pin, receiving input data. In an ADSP-21266 SPI interconnection, the data is shifted out from the MOSI output pin of the master and shifted into the MOSI input(s) of the slave(s). MOSI has a 22.5 k OHMS internal pull-up resistor. If SPI master boot mode is selected, MOSI and SPICLK pins are driven during reset. These pins are not three-stated during reset in SPI master boot mode.
MISO	I/O (O/D)	SPI Master In Slave Out. If the ADSP-21266 is configured as a master, the MISO pin becomes a data receive (input) pin, receiving input data. If the ADSP-21266 is configured as a slave, the MISO pin becomes a data transmit (output) pin, transmitting output data. In an ADSP-21266 SPI interconnection, the data is shifted out from the MISO output pin of the slave and shifted into the MISO input pin of the master. MISO has a 22.5 k ohms internal pull-up resistor. MISO can be configured as O/D by setting the OPD bit in the SPICTL register. Note: Only one slave is allowed to transmit data at any given time. To enable broadcast transmission to multiple SPI slaves, the DSP's MISO pin may be disabled by setting (=1) Bit 5 (DMISO) of the SPICTL register.
BOOTCFG1-0	I	Boot Configuration Select. Selects the boot mode for the DSP. The BOOTCFG pins must be valid before reset is asserted. See Table 5 on Page 14 for a description of the boot modes.

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-4

Q201 : ADSP-21266(32 bit, Floating-point SHARC DSP)-4/5

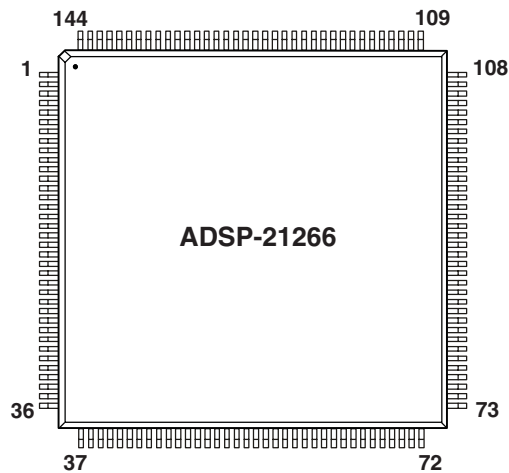
TERMINAL DESCRIPTION(3/3)

Pin	Type	Function
CLKIN	I	Local Clock In. Used in conjunction with XTAL. CLKIN is the ADSP-21266 clock input. It configures the ADSP-21266 to use either its internal clock generator or an external clock source. Connecting the necessary components to CLKIN and XTAL enables the internal clock generator. Connecting the external clock to CLKIN while leaving XTAL unconnected configures the ADSP-21266 to use the external clock source such as an external clock oscillator. The core is clocked either by the PLL output or this clock input depending on the CLKCFG1–0 pin settings. CLKIN may not be halted, changed, or operated below the specified frequency.
XTAL	O	Crystal Oscillator Terminal. Used in conjunction with CLKIN to drive an external crystal.
CLKCFG1–0	I	Core/CLKIN Ratio Control. These pins set the start up clock frequency. See Table 6 for a description of the clock configuration modes. Note that the operating frequency can be changed by programming the PLL multiplier and divider in the PMCTL register at any time after the core comes out of reset.
RSTOUT/ CLKOUT	O	Reset Out/Local Clock Out. Drives out the core reset signal to an external device. CLKOUT can also be configured as a reset out pin (RSTOUT). The functionality can be switched between the PLL output clock and reset out by setting Bit 12 of the PMCTL register. The default is reset out.
RESET	I/A	Processor Reset. Resets the ADSP-21266 to a known state. Upon deassertion, there is a 4096 CLKIN cycle latency for the PLL to lock. After this time, the core begins program execution from the hardware reset vector address. The RESET input must be asserted (low) at power-up.
TCK	I	Test Clock (JTAG). Provides a clock for JTAG boundary scan. TCK must be asserted (pulsed low) after power-up or held low for proper operation of the ADSP-21266.
TMS	I/S	Test Mode Select (JTAG). Used to control the test state machine. TMS has a 22.5 k ohms internal pull-up resistor.
TDI	I/S	Test Data Input (JTAG). Provides serial data for the boundary scan logic. TDI has a 22.5 k ohms internal pull-up resistor.
TDO	O	Test Data Output (JTAG). Serial scan output of the boundary scan path.
TRST	I/A	Test Reset (JTAG). Resets the test state machine. TRST must be asserted (pulsed low) after power-up or held low for proper operation of the ADSP-21266. TRST has a 22.5 k ohms internal pull-up resistor.
EMU	O (O/D)	Emulation Status. Must be connected to the ADSP-21266 Analog Devices DSP Tools product line of JTAG emulators target board connector only. EMU has a 22.5 k ohms internal pull-up resistor.
VDDINT	P	Core Power Supply. Nominally +1.2 V dc and supplies the DSP's core processor (13 pins on the BGA package, 32 pins on the LQFP package).
VDDEXT	P	I/O Power Supply. Nominally +3.3 V dc (6 pins on the BGA package, 10 pins on the LQFP package).
AVDD	P	Analog Power Supply. Nominally +1.2 V dc and supplies the DSP's internal PLL (clock generator). This pin has the same specifications as VDDINT, except that added filtering circuitry is required. For more information, see Power Supplies on Page 8.
AVSS	G	Analog Power Supply Return.
GND	G	Power Supply Return. (54 pins on the BGA package, 39 pins on the LQFP package).

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-5

Q201 : ADSP-21266(32 bit, Floating-point SHARC DSP)-5/5

PIN CONFIGURATION

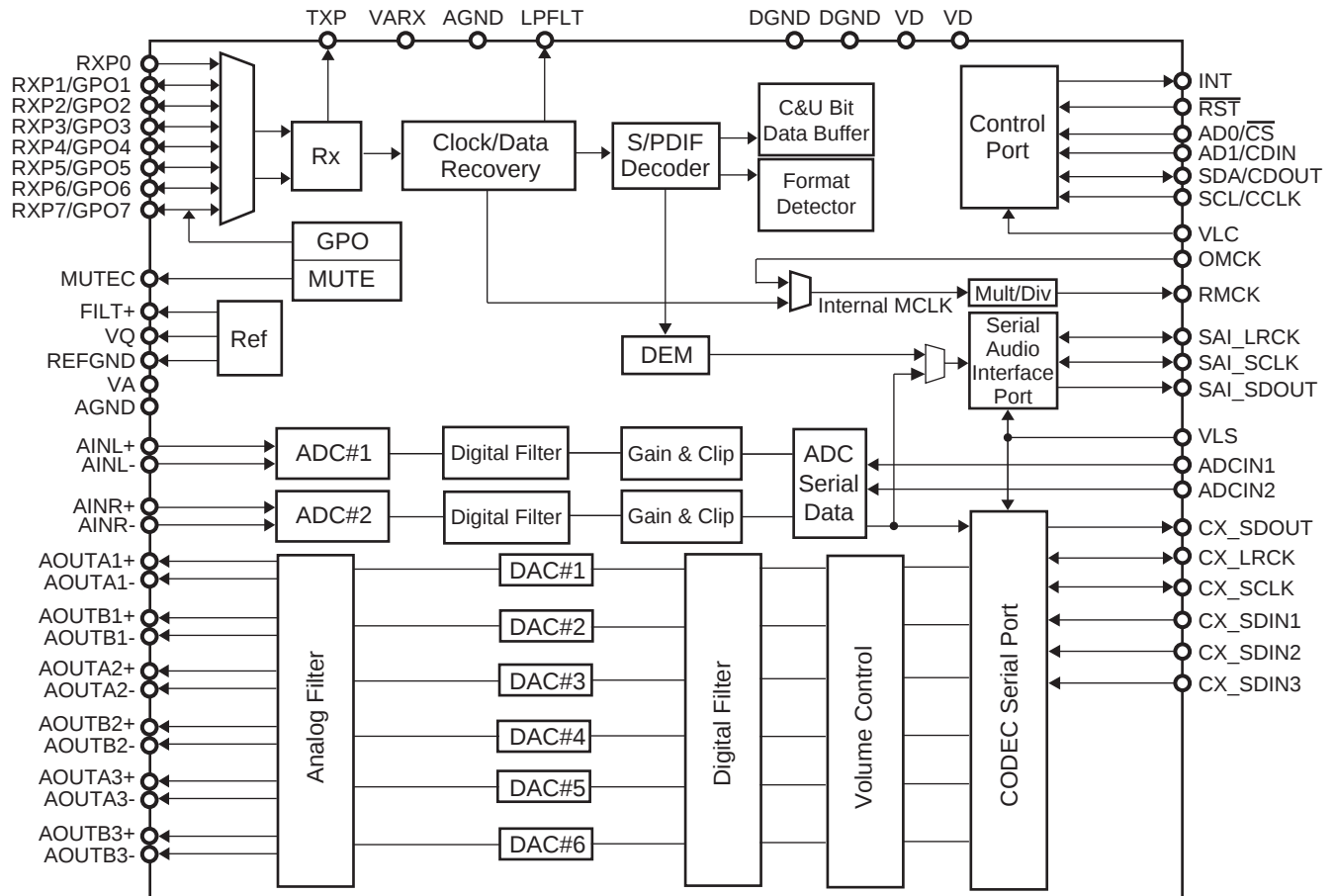


Pin No.	Pin Name	Pin No.	Pin Name	Pin No.	Pin Name	Pin No.	Pin Name
1	VDDINT	37	VDDINT	73	VDDEXT	109	GND
2	CLKCFG0	38	GND	74	GND	110	VDDINT
3	CLKCFG1	39	$\overline{RD}$	75	VDDINT	111	GND
4	BOOTCFG0	40	ALE	76	GND	112	VDDINT
5	BOOTCFG1	41	AD15	77	DAI_P10(SD2B)	113	GND
6	GND	42	AD14	78	DAI_P11(SD3A)	114	VDDINT
7	VDDEXT	43	AD13	79	DAI_P12(SD3B)	115	GND
8	GND	44	GND	80	DAI_P13(SCLK23)	116	VDDEXT
9	VDDINT	45	VDDEXT	81	DAI_P14(SFS23)	117	GND
10	GND	46	AD12	82	DAI_P15(SD4A)	118	VDDINT
11	VDDINT	47	VDDINT	83	VDDINT	119	GND
12	GND	48	GND	84	GND	120	VDDINT
13	VDDINT	49	AD11	85	GND	121	$\overline{RESET}$
14	GND	50	AD10	86	DAI_P16(SD4B)	122	$\overline{SPIDS}$
15	FLAG0	51	AD9	87	DAI_P17(SD5A)	123	GND
16	FLAG1	52	AD8	88	DAI_P18(SD5B)	124	VDDINT
17	AD7	53	DAI_P1(SD0A)	89	DAI_P19(SCLK45)	125	SPICLK
18	GND	54	VDDINT	90	VDDINT	126	MISO
19	VDDINT	55	GND	91	GND	127	MOSI
20	GND	56	DAI_P2(SD0B)	92	GND	128	GND
21	VDDEXT	57	DAI_P3(SCLK0)	93	VDDEXT	129	VDDINT
22	GND	58	GND	94	DAI_P20(SFS45)	130	VDDEXT
23	VDDINT	59	VDDEXT	95	GND	131	AVDD
24	AD6	60	VDDINT	96	VDDINT	132	AVSS
25	AD5	61	GND	97	FLAG2	133	GND
26	AD4	62	DAI_P4(SFS0)	98	FLAG3	134	CLKOUT
27	VDDINT	63	DAI_P5(SD1A)	99	VDDINT	135	EMU
28	GND	64	DAI_P6(SD1B)	100	GND	136	TDO
29	AD3	65	DAI_P7(SCLK1)	101	VDDINT	137	TDI
30	AD2	66	VDDINT	102	GND	138	TRST
31	VDDINT	67	GND	103	VDDINT	139	TCK
32	GND	68	VDDINT	104	GND	140	TMS
33	AD1	69	GND	105	VDDINT	141	GND
34	AD0	70	DAI_P8(SFS1)	106	GND	142	CLKIN
35	$\overline{WR}$	71	DAI_P9(SD2A)	107	VDDINT	143	XTAL
36	VDDINT	72	VDDINT	108	VDDINT	144	VDDEXT

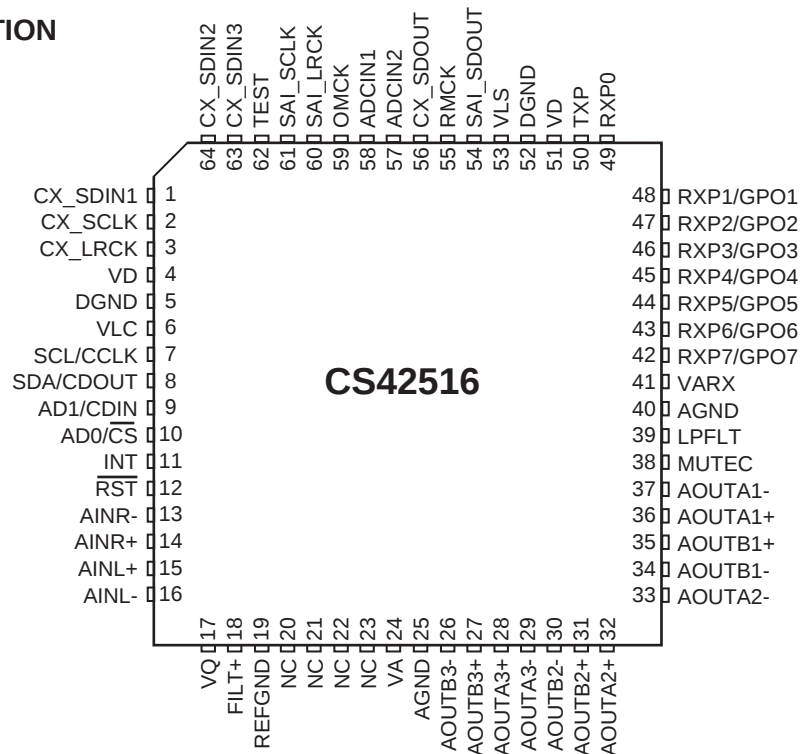
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -6

Q301 : CS42516-CQZ (192 kHz, 6-Ch Codec with S/PDIF Receiver)

BLOCK DIAGRAM



PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -7

Q301 : CS42516-CQZ (192 kHz, 6-Ch Codec with S/PDIF Receiver)

TERMINAL DESCRIPTION(1/2)

Pin Name	#	Pin Description
CX_SDIN1	1	Codec Serial Audio Data Input (Input) - Input for two's complement serial audio data.
CX_SDIN2	64	
CX_SDIN3	63	
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 I ² C mode as shown in the Typical Connection Diagram.
SDA/CDOUT	8	Serial Control Data (Input/Output) - SDA is a data I/O line in I ² C 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 is a chip address pin in I ² C mode; CDIN is the input data line for the control port interface in SPI mode.
AD0/ $\overline{\text{CS}}$	10	Address Bit 0 (I²C)/Control Port Chip Select (SPI) (Input) - AD0 is a chip address pin in I ² C mode; $\overline{\text{CS}}$ is the chip select signal in SPI mode.
INT	11	Interrupt (Output) - The CS42516 will generate an interrupt condition as per the Interrupt Mask register.
$\overline{\text{RST}}$	12	Reset (Input) - The device enters a low power mode and all internal registers are reset to their default settings when low.
AINR-	13	Differential Right Channel Analog Input (Input) - Signals are presented differentially to the delta-sigma modulators via the AINR+/- pins.
AINR+	14	
AINL+	15	Differential Left Channel Analog Input (Input) - Signals are presented differentially to the delta-sigma modulators via the AINL+/- pins.
AINL-	16	
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.
NC	20	No Connect Pins - Do not make any connection to these pins.
	21	
	22	
	23	
AOUTA1 +,-	36,37	Differential Analog Output (Output) - The full-scale differential analog output level is specified in the Analog Characteristics specification table.
AOUTB1 +,-	35,34	
AOUTA2 +,-	32,33	
AOUTB2 +,-	31,30	
AOUTA3 +,-	28,29	
AOUTB3 +,-	27,26	
VA	24	Analog Power (Input) - Positive power supply for the analog section.
VARX	41	
AGND	25 40	Analog Ground (Input) - Ground reference. Should be connected to analog ground.

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -8

Q301 : CS42516-CQZ (192 kHz, 6-Ch Codec with S/PDIF Receiver)

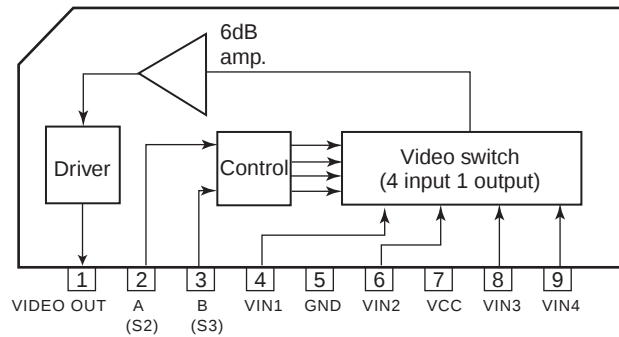
TERMINAL DESCRIPTION(2/2)

Pin Name	#	Pin Description
RXP7/GPO7	42	
RXP6/GPO6	43	S/PDIF Receiver Input/ General Purpose Output (Input/Output) - Receiver inputs for S/PDIF encoded data. The CS42516 has an internal 8:2 multiplexer to select the active receiver port, according to the Receiver Mode Control 2 register. 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 registers.
RXP5/GPO5	44	
RXP4/GPO4	45	
RXP3/GPO3	46	
RXP2/GPO2	47	
RXP1/GPO1	48	
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 register.
VLS	53	Serial Port Interface Power (Input) - Determines the required signal level for the serial port interfaces.
SAI_L	54	Serial Audio Interface Serial Data Output (Output) - Output for two's complement serial audio PCM data stream. This pin can also be configured to transmit the output of the internal and external ADCs.
SAI_R	55	Serial Audio Interface Serial Data Output (Output) - Output for two's complement serial audio PCM data stream. This pin can also be configured to transmit the output of the internal and external ADCs.
SAI_LRCK	56	Serial Audio Interface Left/Right Clock (Input/Output) - Determines which currently active on the serial audio data line.
SAI_SCLK	57	Serial Audio Interface Serial Clock (Input/Output) - Serial clock for the Serial Audio Interface.
TEST	62	Test Pin (Input) - This pin must be connected to DGND.
SAI_LRCK	60	Serial Audio Interface Left/Right Clock (Input/Output) - Determines which currently active on the serial audio data line.
SAI_SCLK	61	Serial Audio Interface Serial Clock (Input/Output) - Serial clock for the Serial Audio Interface.

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -9

Q2021 : LA7956 (Video Switch)

BLOCK DIAGRAM and PIN CONFIGURATION



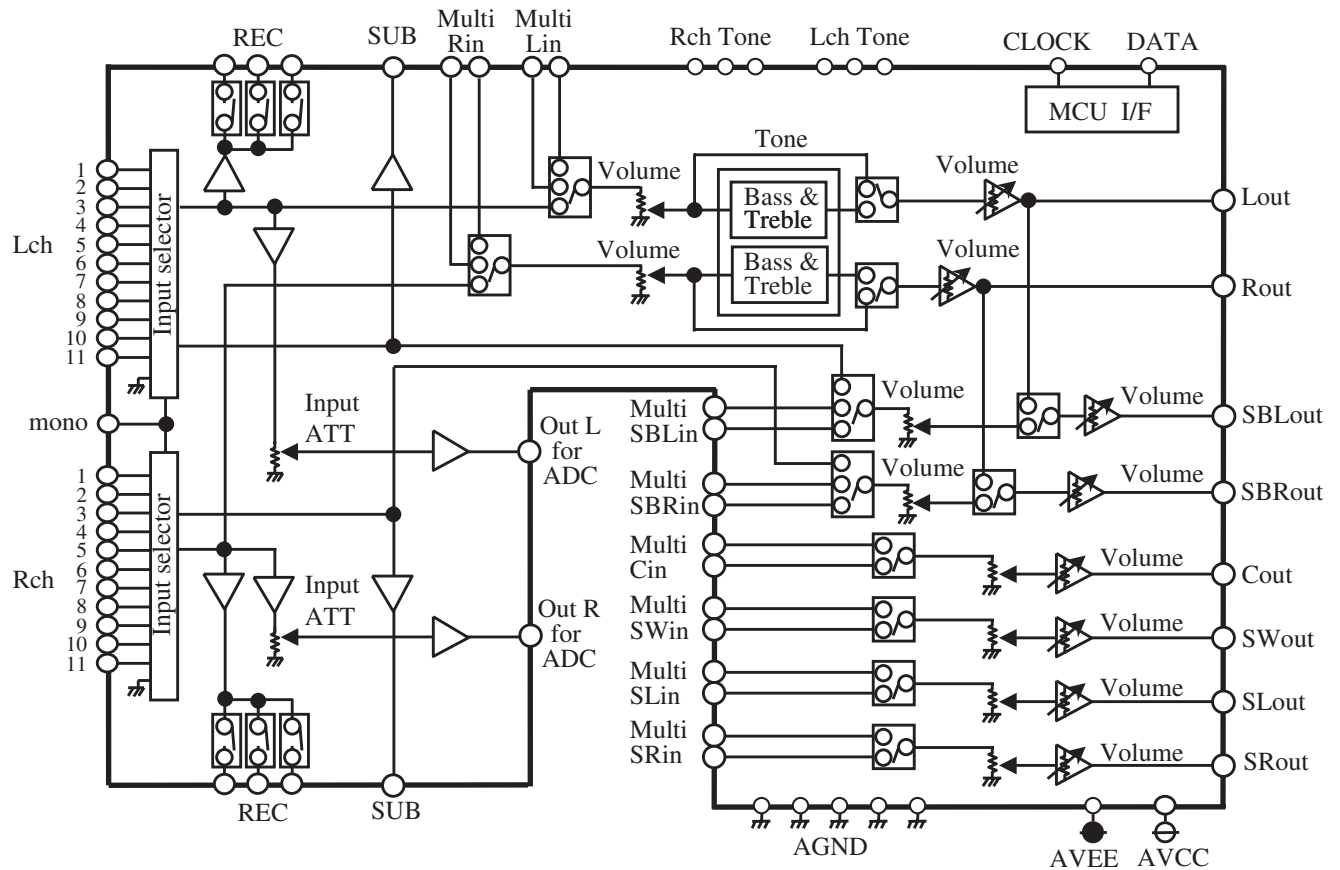
TERMINAL DESCRIPTION (I/O Logic)

I/O Pin	S2 (2 pin)	S3 (3 pin)	VIN1 (4 pin)	VIN2 (6 pin)	VIN3 (8 pin)	VIN4 (9 pin)
I/O Logic	H	H	ON	OFF	OFF	OFF
	L	H	OFF	ON	OFF	OFF
	H	L	OFF	OFF	ON	OFF
	L	L	OFF	OFF	OFF	ON

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-10

Q5001 : R2S15211FP (8 ch Electronic Volume and 11 Input Selector and Tone Control)-1/3

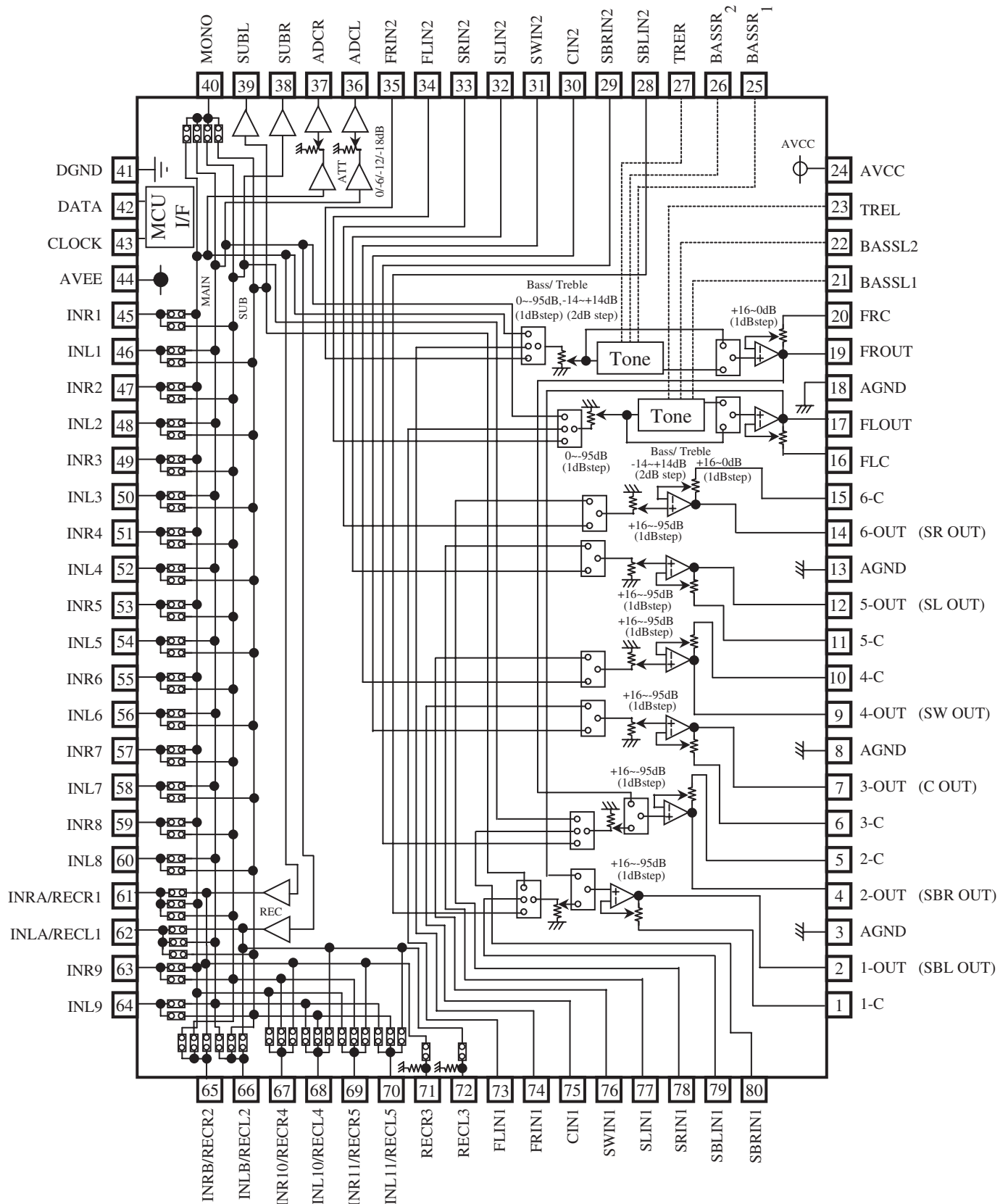
SYSTEM BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-11

Q5001 : R2S15211FP (8 ch Electronic Volume and 11 Input Selector and Tone Control)-2/3

BLOCK DIAGRAM AND PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-12

Q5001 : R2S15211FP (8 ch Electronic Volume and 11 Input Selector and Tone Control)-3/3

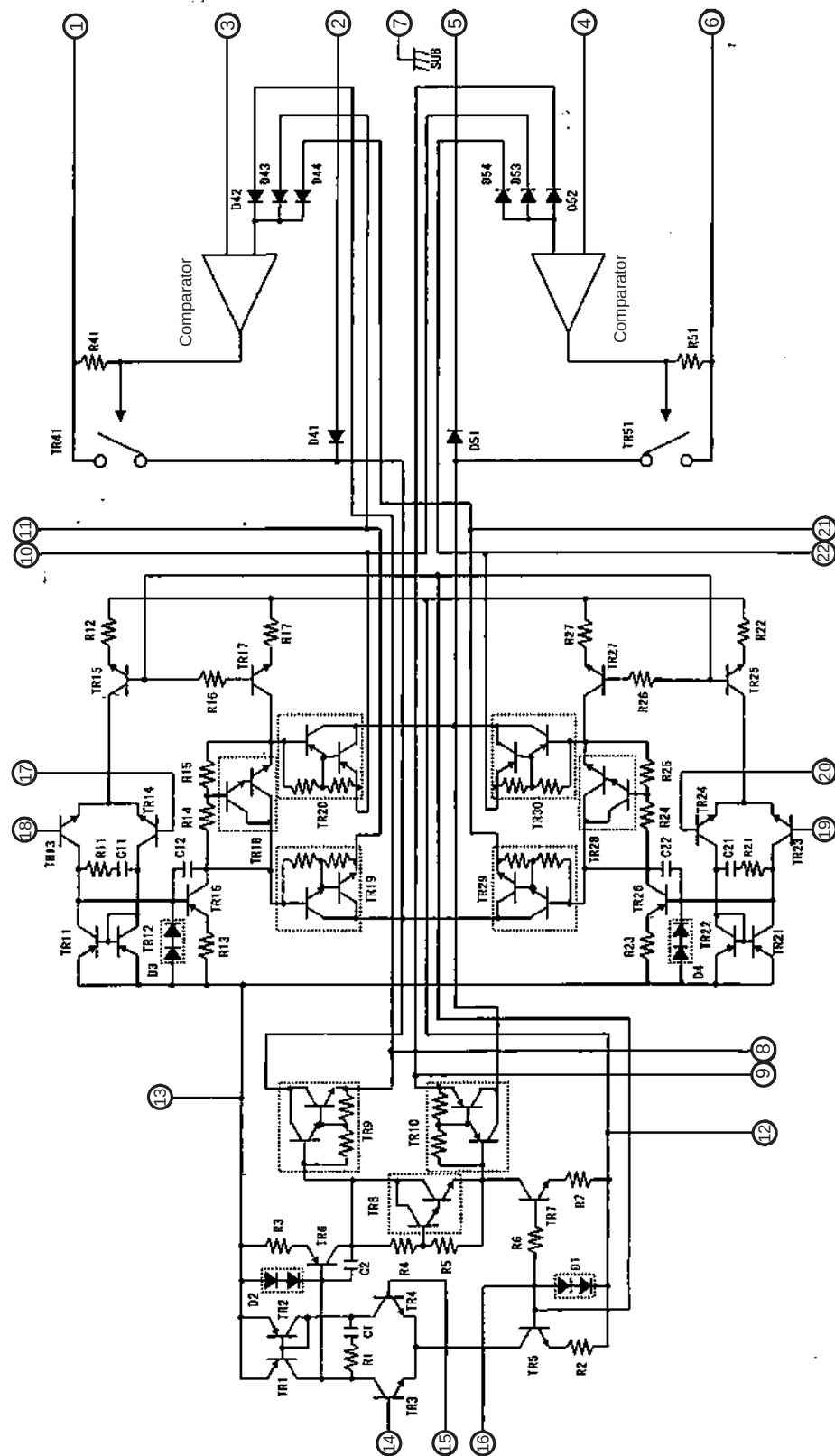
TERMINAL DESCRIPTION

PIN No.	Name	Function
19,17, 14,12, 9,7, 4,2	FROUT,FLOUT, 6-OUT,5-OUT, 4-OUT, 3-OUT, 2-OUT,1-OUT	Output pin of FL/FR/C/SW/SL/SR/SBL/SBR channel
20,16, 15,11, 10,6, 5,1	FRC,FLC, 6-C,5-C, 4-C,3-C, 2-C,1-C	Connects capacitor for reducing click noise of L/R/C/SW/SL/SR/SBL/SBR channel volume
3,8, 13,18	AGND	Analog ground of internal circuit
23,27	TREL, TRER	Frequency characteristic setting pin of L/R channel tone control(Treble)
21,22, 25,26	BASSL1, BASSL2 BASSR1, BASSR2	Frequency characteristic setting pin of L/R channel tone control(Bass)
24	AVCC	Positive power supply to internal circuit
35,34, 33,32, 31,30, 29,28	FRIN2, FLIN2, SRN2,SLIN2, SWIN2,CIN2, SBRIN2,SBLIN2	Input pin of L/R/C/SW/SL/SR/SBL/SBR channel (Multi IN 1/2)
73,74, 75,76, 77,78, 79,80	FLIN1, FRIN1, CIN1,SWIN1, SLIN1,SRIN1, SBLIN1,SBRIN1	
41	DGND	Digital ground of internal circuit
42	DATA	Input pin of control data
43	CLOCK	Input pin of control clock
44	AVEE	Negative power supply to internal circuit
46,48,50, 52,54,56, 58,60,64	INL1, INL2, INL3, INL4, INL5, INL6, INL7, INL8, INL9	Input pin of L/R channel (Input Selector)
45,47,49, 51,53,55, 57,59,63	INR1, INR2, INR3, INR4, INR5, INR6, INR7, INR8, INR9	
40	MONO	Input pin of monaural (Input Selector)
38,39	SUBL,SUBR	Output pin for L/R channel SUB Output
36,37	ADCL, ADCR	Output pin for L/R channel ADC
72	RECL3	Output pin for L/R channel REC Output
71	RECR3	
61,62, 65,66, 67,68, 69,70	INRA/RECR1,INLA/RECL1, INRB/RECR2,INLB/RECL2, INR10/RECR4,INL10/RECL4, INR11/RECR5,INL11/RECL5	Input pin of L/R channel (Input Selector)/ Output pin for L/R channel REC Output

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-13

Q6001, Q6002 : STK413-220 (3-channel AF power amplifier)

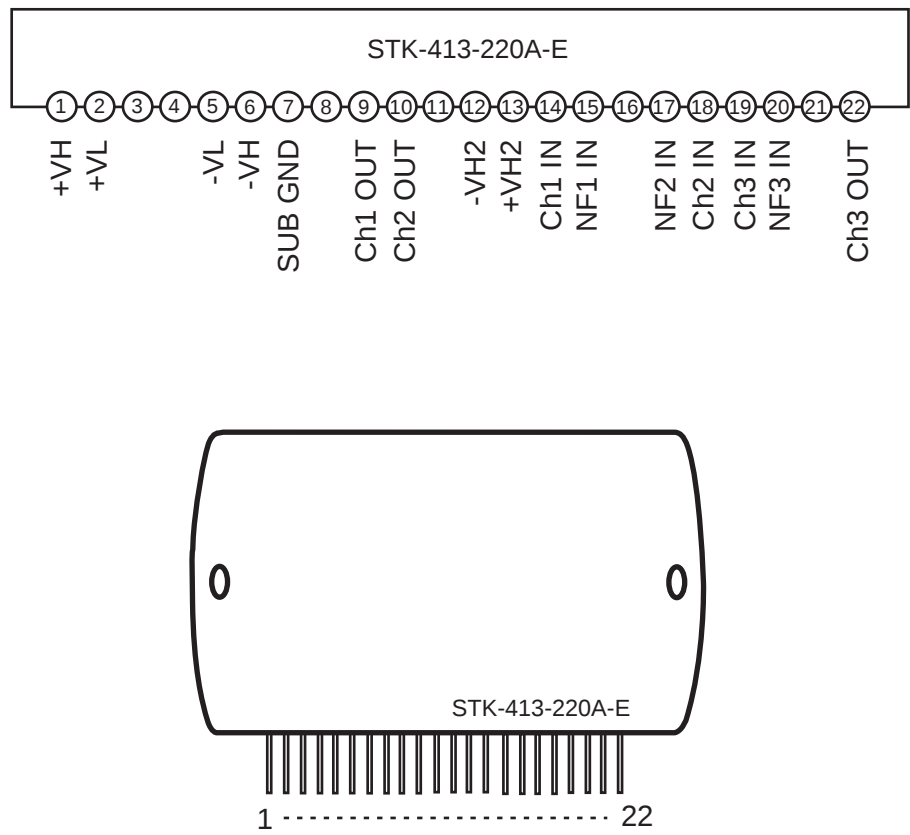
BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-14

Q6001, Q6002 : STK413-220 (3-channel AF power amplifier)

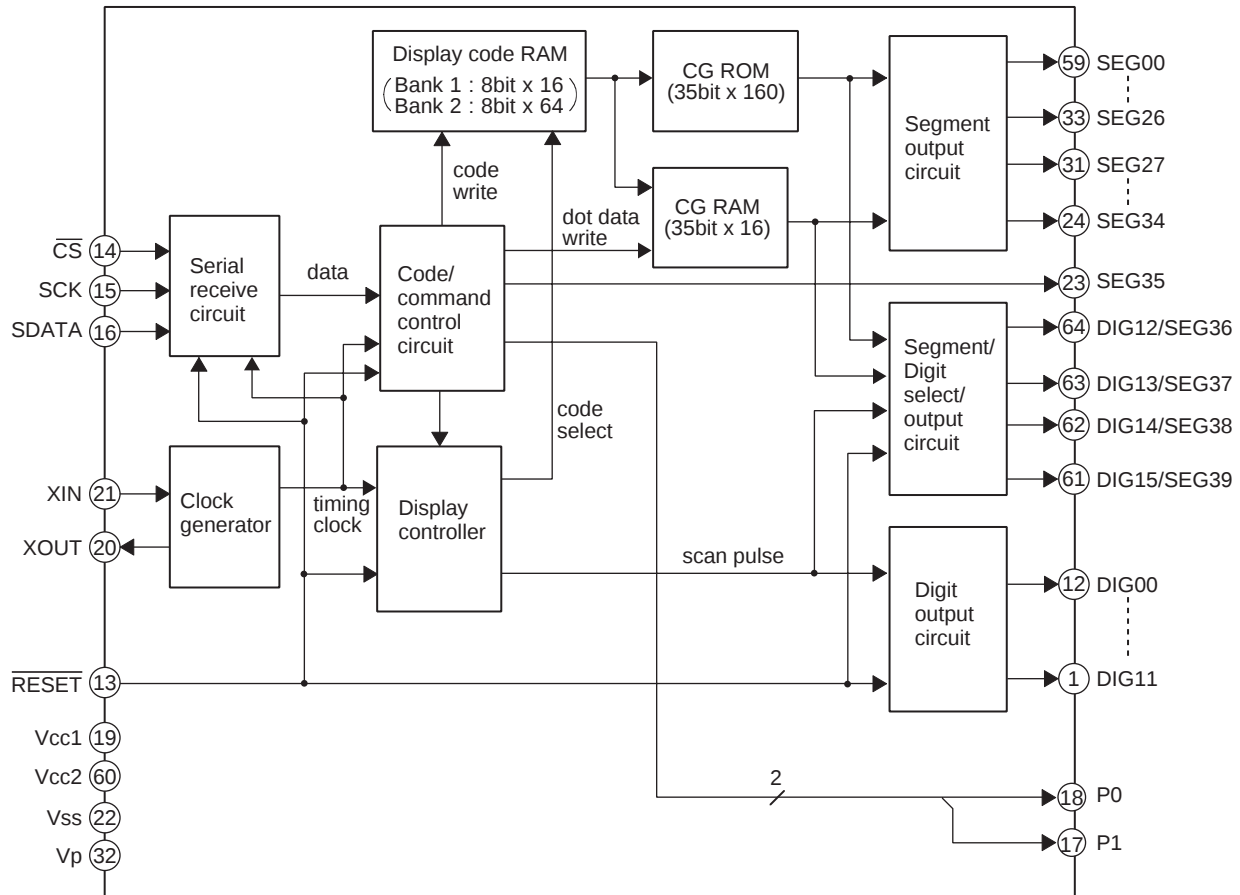
PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -15

Q7002: M66005 (FL Tube Driver)

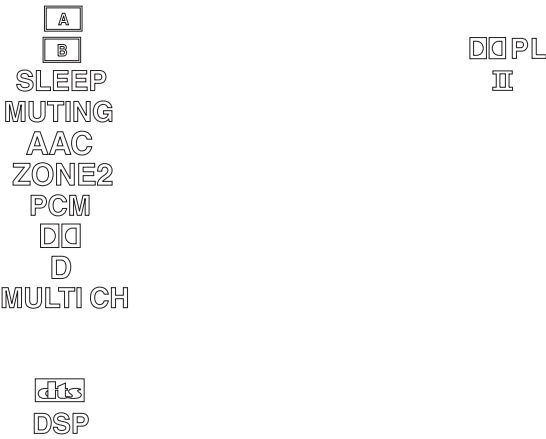
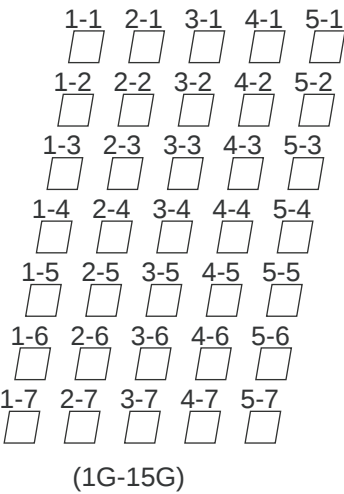
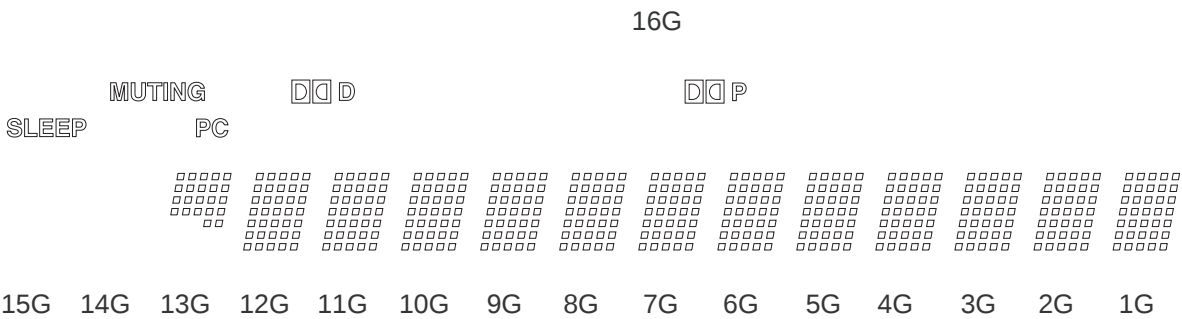
BLOCK DIAGRAM



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.

FL TUBE VIEW
Q7001: 16BT128GNYK



Ne

MICROPROCESSOR TERMINAL DESCRIPTIONS-1

Q701 : M30622MGP-A98FP

Pin No.	Pin name	I/O	Act.	Description
1	NU	---	---	Not used.
2	NU	---	---	Not used.
3	VCTRLA	O	H	Video selector switch control output.
4	VCTRLB	O	H	Video selector switch control output.
5	VMUTV1	O	L	Video mute (video 1) control output.
6	VMUTV3	O	L	Video mute (component video) control output.
7	NU	---	---	Not used.
8	NU	---	---	Not used.
9	CNVSS	---	---	Not used.
10	NU	---	---	Not used.
11	NU	---	---	Not used.
12	RESET	I	L	System reset input.
13	XOUT	O	H	Crystal oscillation circuit output.
14	VSS	---	---	Ground.
15	XIN	I	H	Crystal oscillation circuit input.
16	VCC1	---	---	Power supply.
17	NU	---	---	Not used.
18	POFF	I	H	Power failure detection input.
19	NU	---	---	Not used.
20	NU	---	---	Not used.
21	NU	---	---	Not used.
22	NU	---	---	Not used.
23	DIRINT0	I	H	Interrupt request signal input from DIR.
24	DSPINT3/DIRINT1	I	L	Interrupt request signal input from DSP/DIR.
25	DSPINT2	I	L	Interrupt request signal input from DSP.
26	DSPINT1	I	L	Interrupt request signal input from DSP C.
27	DSPINT0	I	L	Interrupt request signal input from DSP.
28	VMUT	O	L	Video mute (monitor out) control output.
29	PLLSCL	O	CLK	Serial clock output to PLL.
30	PLLSDA	O	H	Serial data output for PLL.
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	For writing of flash microprocessor.
35	ROMSDA	I/O	H	E2PROM IIC data input/output.
36	ROMSCL	O	CLK	E2PROM IIC clock output.
37	NU	---	---	Not used.
38	DIRCS	O	L	Chip select signal output to DIR/CODEC.
39	DIRRST	O	L	Reset signal output to DIR/CODEC.
40	DSPCS	O	L	DSP C chip select signal output.
41	FEPM	O	H	For writing of flash microprocessor.
42	DSPRST	O	L	Reset signal output to DSP.
43	DIGCLK	O	CLK	Serial communication clock output to DIR/CODEC/DSP.
44	DIGSDI	I	H	Serial communication signal input from DIR/CODEC/DSP.
45	DIGSDO	O	H	Serial communication signal output to DIR/CODEC/DSP.
46	FCE	I	H	For writing of flash microprocessor.
47	AMUT	O	H	Audio mute control output.
48	SPRLB	O	H	Front speaker-B relay control output.
49	NU	---	---	Not used.
50	SPRLCS	O	H	Center/Surround speaker relay control output.

MICROPROCESSOR TERMINAL DESCRIPTIONS-2

Q701 : M30622MGP-A98FP

Pin No.	Pin name	I/O	Act.	Description
51	SPRLF/SPRLSW	O	H	Front/Subwoofer speaker relay control output.
52	NU	---	---	Not used.
53	VOLDAT	O	H	Serial data output to volume IC.
54	VOLCLK	O	H	Serial clock output to volume IC.
55	VOLSTB	O	H	Strobe output to volume IC.
56	NU	---	---	Not used.
57	APOWER	O	H	Main power supply control output.
58	NU	---	---	Not used.
59	NU	---	---	Not used.
60	NU	---	---	Not used.
61	NU	---	---	Not used.
62	VCC2	---	---	Power supply.
63	SEC1H	O	H	Amplifier power supply control output.
64	VSS	---	---	Ground.
65	PROTECT	I	H	Over current detection input for speaker protect.
66	VOLH	I	A/D	Speaker output level detection input.
67	THERMAL	I	A/D	Thermal sensor detection input.
68	INIT3	I	A/D	Initial setting-3.
69	INIT2	I	A/D	Initial setting-2.
70	INIT1	I	A/D	Initial setting-1.
71	BAND	I	A/D	Tuner band setting.
72	SYSOUT	O	L	System control (RI) signal output.
73	SYSIN	I	H	System control (RI) signal input.
74	NU	---	---	Not used.
75	REMIN	I	L	Signal input form remote sensor.
76	STEREO	I	L	FM stereo signal detection input.
77	TUNED	I	L	Tuning signal detection input.
78	HPDET	I	H	Phones detection signal input.
79	VOLB	I	H	Data input from rotary encoder (master volume).
80	VOLA	I	H	Data input from rotary encoder (master volume).
81	HPRL	O	H	Headphone relay control output.
82	NU	---	---	Not used.
83	NU	---	---	Not used.
84	LEDSTBY	O	L	Standby LED control output.
85	FLDSDO	O	H	Serial data output to FL driver.
86	FLDCLK	O	CLK	Serial clock output to FL driver.
87	FLDCS	O	H	Chip select output to FL driver.
88	FLDRST	O	L	Reset output to FL driver.
89	KEYINT3	I	L	Key input-3 (interrupt).
90	KEYINT2	I	L	Key input-2 (interrupt).
91	KEYINT1	I	L	Key input-1 (interrupt).
92	KEYINT0	I	L	Key input-0 (interrupt).
93	KEY3	I	A/D	Key input-3.
94	KEY2	I	A/D	Key input-2.
95	KEY1	I	A/D	Key input-1.
96	AVSS	---	---	Ground.
97	KEY0	I	A/D	Key input-0
98	VREF	---	---	A/D reference voltage power supply.
99	AVCC	---	---	A/D Power supply.
100	NU	---	---	Not used.

HT-R340(HT-S3100/S3105)**<Note>**

Parts marked by "**NSP**" are generally unavailable because they are not in our Master Spare Parts List.

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

<MDD> : USA model (for HT-S3100)

<MDC> : Canadian model (for HT-S3100)

<MWO> : Asian model (for HT-S3100)

<MWF> : Taiwanese model (for HT-S3100)

<MPP> : European model (for HT-S3105)

EXPLODED VIEW PARTS LIST

	REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
EV	A001	RETAINER	(F)	1	27141972A	
EV	A002	SCREW	3TTB+10B(3CM)	5	838130108GR	
EV	A003	SCREW	3TTB+8B(3CM)SR	3	801637	
EV	A004	SCREW	3TTB+8B(3CM)SR	1	801637	
EV	A005	SCREW	3TTB+10B(3CM)	7	838130108GR	
EV	A007	SCREW	3TTB+10B(3CM)	2	838130108GR	

EV	A008	CUSHION	(DAC)	2	28141438	
EV	A010	CHASSIS	---	1	---	NSP
EV	A012	WIRE TIE	BINDER(CLAMPER)UL	2	260258	
EV	A013	WIRE TIE	BSK-1	1	260208	
EV	A015	HOLDER	KGLS-14RT	3	27190524	
EV	A016	HOLDER	KGPS-16RF	2	27190991	
EV	A020	SCREW	3TTB+8B(3CM)SR	3	801637	
EV	A021	SCREW	3TTB+8B(3CM)SR	2	801637	
EV	A022	SCREW	3TTB+8B(3CM)SR	4	801637	
EV	A023	SCREW	4TTC+8C(3BC)	4	830440089GR	
EV	A025	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
EV	A026	IB CUSHION	W15 x 3t TAPE	1	28141585	
EV	A028	BUSHING	S-RELIEF #2271	1	27300750	!
EV	A030	HEAT SINK	AS	1	27160588	
EV	A034	SCREW	3TTB+8B(3CM)SR	2	801637	
EV	A035	SCREW	3TTB+8B(3CM)SR	2	801637	
EV	A037	SCREW	3SMS8WSW+18B3CM	4	801636	
EV	A040	RETAINER	(TR-NEW)	1	27142081	
EV	A041	SCREW	3TTB+8B(3CM)SR	1	801637	
EV	A042	RETAINER	(FR)	1	27142029	
EV	A043	SCREW	3TTB+8B(3CM)SR	2	801637	
EV	A050	COVER	(Bent)	1	28184831	(B)
EV	A050	COVER	(Bent)	1	28184906	(S)
EV	A050	COVER	(Not bent)	1	28184831Z	(B) <MDD, MDC>
EV	A050	COVER	(Not bent)	1	28184906Z	(S) <MDC>
EV	A051	SCREW	3TTB+8B(3BC)	6	838430088GR	(B)

EV	A051	SCREW	3TTB+8B(3CM)	6	838130088GR	(S)
----	------	-------	--------------	---	-------------	-----

EV	A052	LABEL	(COVER)	1	29364123	
EV	A055	BOTTOM LEG	---	4	27175432B	
EV	A056	CUSHION	---	4	28141664	
EV	A057	SCREW	3TTB+8B(3CM)SR	4	801637	
EV	A065	CLEAR PLT	---	1	28192064A	(B)
EV	A065	CLEAR PLT	---	1	28192065A	(S)
EV	A401	REAR PANEL	HTR340MDD	1	27123529A	<MDC>
EV	A401	REAR PANEL	HTR340MDD	1	27123529A	<MDD>
EV	A401	REAR PANEL	HTR340MWT	1	27123531A	<MWF>
EV	A401	REAR PANEL	HTR340MWT	1	27123531A	<MWO>
EV	A401	REAR PANEL	HTR340MPP	1	27123530B	<MPP>
EV	A404	SCREW	3TTB+8B(3BC)	25	838430088GR	<MDD>
EV	A404	SCREW	3TTB+8B(3BC)	25	838430088GR	<MDC>
EV	A404	SCREW	3TTB+8B(3BC)	27	838430088GR	<MWO>
EV	A404	SCREW	3TTB+8B(3BC)	27	838430088GR	<MWF>
EV	A404	SCREW	3TTB+8B(3BC)	25	838430088GR	<MPP>
EV	A405	F PANEL	---	1	27212859A	(B) <MDD>
EV	A405	F PANEL	---	1	27212859A	(B) <MDC>
EV	A405	F PANEL	---	1	27212859A	(B) <MWO>
EV	A405	F PANEL	HTR340BMPP	1	27213165	(B) <MPP>
EV	A405	F PANEL	---	1	27212858A	(S) <MDC>
EV	A405	F PANEL	---	1	27212861A	(S) <MWO>
EV	A405	F PANEL	---	1	27212861A	(S) <MWF>
EV	A405	F PANEL	---	1	27212860A	(S) <MPP>
EV	A406	FACET	(ST)	1	28198998A	
EV	A411	KNOB	(POW)	1	28326298	(B)

EV	A411	KNOB	(POW)	1	28326299	(S)
EV	A412	KNOB	(SEL)	1	28326302	(B)
EV	A412	KNOB	(SEL)	1	28326303	(S)
EV	A413	KNOB	(PRE)	1	28326306	
EV	A420	BADGE	---	1	28135244	(B)
EV	A420	BADGE	---	1	28135298	(S)
EV	A421	SCREW	3TTB+8B(3BC)	3	838430088GR	
EV	A425	RETAINER	(BRO)	1	27141873	<MWO>
EV	A425	RETAINER	(BRO)	1	27141873	<MWF>
EV	A425	RETAINER	(BRO)	1	27141873	<MPP>
EV	A430	KNOB	(VOL)AS	1	28326318	(B)
EV	A430	KNOB	(VOL)AS	1	28326319	(S)
EV	A450	LABEL	HOOKUP-ONKYO	1	29363194	<MDD>
EV	A450	LABEL	HOOKUP-ONKYO	1	29363194	<MDC>
EV	F6001	FUSE	10A-UL/T-233	1	252330GR	!
EV	F6001 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
EV	F6002	FUSE	10A-UL/T-233	1	252330GR	!
EV	F6002 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
EV	F901	FUSE	8A-UL/T-233	1	252329GR	!, <MDC>
EV	F901 or	FUSE	8A-T/UL-ST2	(1)	252261GR	!, <MDC>
EV	F901	FUSE	8A-UL/T-233	1	252329GR	!, <MDD>
EV	F901 or	FUSE	8A-T/UL-ST2	(1)	252261GR	!, <MDD>
EV	F902	FUSE	4A-SE-EAK FUSE	1	252077GR	!, <MPP>
EV	F902 or	FUSE	4A-SE-TL250V	(1)	252277GR	!, <MPP>
EV	F902	FUSE	4A-SE-EAK FUSE	1	252077GR	!, <MWF>

EV	F902 or	FUSE	4A-SE-TL250V	(1)	252277GR	!, <MWF>
EV	F902	FUSE	4A-SE-EAK FUSE	1	252077GR	!, <MWO>
EV	F902 or	FUSE	4A-SE-TL250V	(1)	252277GR	!, <MWO>
EV	F903	FUSE	4A-SE-EAK FUSE	1	252077GR	!, <MWF>
EV	F903 or	FUSE	4A-SE-TL250V	(1)	252277GR	!, <MWF>
EV	F903	FUSE	4A-SE-EAK FUSE	1	252077GR	!, <MWO>
EV	P101	FFC	NCFC7-131012	1	2047131012	
EV	P7001	FFC	NCFC5-292522	1	2045292522	
EV	P901	AC CORD	AS-UC-2	1	253368BLTK	!, <MDC>
EV	P901 or	AC CORD	AS-UC-2	(1)	253333VOL	!, <MDC>
EV	P901 or	AC CORD	AS-UC-2	(1)	253368AYUN	!, <MDC>
EV	P901 or	AC CORD	AS-UC-2	(1)	253368HSN	!, <MDC>
EV	P901	AC CORD	AS-UC-2	1	253368BLTK	!, <MDD>
EV	P901 or	AC CORD	AS-UC-2	(1)	253333VOL	!, <MDD>
EV	P901 or	AC CORD	AS-UC-2	(1)	253368AYUN	!, <MDD>
EV	P901 or	AC CORD	AS-UC-2	(1)	253368HSN	!, <MDD>
EV	P901	AC CORD	AS-CEE-2	1	253306VOL	!, <MPP>
EV	P901 or	AC CORD	AS-CEE-2	(1)	253374YUN	!, <MPP>
EV	P901	AC CORD	AS-CNS	1	253429VOL	!, <MWF>
EV	P901	AC CORD	AS-CEE-2	1	253306VOL	!, <MWO>
EV	Q9006A	ISO SHEET	AC238	1	223024	
EV	T901	P TRANS	NPT-1516D	1	2301798	!, <MDD>
EV	T901	P TRANS	NPT-1516D	1	2301798	!, <MDC>
EV	T901	P TRANS	NPT-1516DQ	1	2301801	!, <MWO>
EV	T901	P TRANS	NPT-1516DQ	1	2301801	!, <MWF>
EV	T901	P TRANS	NPT-1516P	1	2301799	!, <MPP>

EV	U01	AMPLIFIER PC board ass'y	NAAF-8745-2A	1	1B130545-2A	<MDD>
EV			NAAF-8745-2A	1	1B130545-2A	<MDC>
EV			NAAF-8745-2B	1	1B130545-2B	<MWO>
EV			NAAF-8745-2B	1	1B130545-2B	<MWF>
EV			NAAF-8745-2C	1	1B130545-2C	<MPP>
EV	U02	TRANS SEC. TERMINAL PC board ass'y	NAETC-8746-2A	1	---	NSP
EV	U04	DSP & MICROPROCESSOR PC board ass'y	NADG-8756-2A	1	1B130556-1A	<MDD>
EV			NADG-8756-2A	1	1B130556-2A	<MDC>
EV			NADG-8756-2B	1	1B130556-2B	<MWO>
EV			NADG-8756-2B	1	1B130556-2B	<MWF>
EV			NADG-8756-2D	1	1B130556-2D	<MPP>
EV	U05	DISPLAY PC board ass'y	NADIS-8767-2A	1	1B130567-2A	<MDD>
EV			NADIS-8767-2A	1	1B130567-2A	<MDC>
EV			NADIS-8767-2B	1	1B130567-2B	<MWO>
EV			NADIS-8767-2B	1	1B130567-2B	<MWF>
EV			NADIS-8767-2C	1	1B130567-2C	<MPP>
EV	U06	VIDEO PC board ass'y	NAVD-8768-2A	1	1B130568-2A	<MDD>
EV			NAVD-8768-2A	1	1B130568-2A	<MDC>
EV			NAVD-8768-2B	1	1B130568-2B	<MWO>
EV			NAVD-8768-2B	1	1B130568-2B	<MWF>
EV			NAVD-8768-2C	1	1B130568-2C	<MPP>
EV	U07	POWER SUPPLY PC board ass'y	NAPS-8769-2A	1	1B130569-2A	<MDD>
EV			NAPS-8769-2A	1	1B130569-2A	<MDC>
EV			NAPS-8769-2B	1	1B130569-2B	<MWO>
EV			NAPS-8769-2B	1	1B130569-2B	<MWF>

EV			NAPS-8769-2C	1	1B130569-2C	<MPP>
EV	U08	SWITCH PC board ass'y	NASW-8770-2A	1	1B130570-2A	<MDD>
EV			NASW-8770-2A	1	1B130570-2A	<MDC>
EV			NASW-8770-2B	1	1B130570-2B	<MWO>
EV			NASW-8770-2B	1	1B130570-2B	<MWF>
EV			NASW-8770-2C	1	1B130570-2C	<MPP>
EV	U09	HEADPNOHE JACK PC board ass'y	NAETC-8771-2A	1	---	NSP
EV	U10	SWITCH PC board ass'y	NAETC-8772-2B	1	---	NSP
EV	U11	HOLDER PC board	NAETC-8773-2A	1	---	NSP
EV	U12	TUNER UNIT	ENG06507QFUS	1	240156	<MDD, MDC>
EV	U12 or	TUNER UNIT	FAE385-A11US	(1)	240152	<MDD, MDC>
EV	U12	TUNER UNIT	FAE485-E12EX	1	240155	<MWO>
EV	U12	TUNER UNIT	FAE485-E12EX	1	240155	<MWF>
EV	U12	TUNER UNIT	FAE485-E11EU	1	240154	<MPP>

HT-R340(HT-S3100/S3105)
PC BOARD PARTS LIST

PCB1	U01	AMPLIFIER PC BOARD (NAAF-8745-2A /2B /2C)
PCB1	U02	TRANS SEC. TERMINAL PC BOARD (NAETC-8746-2A /2B /2C)

PCB1						
PCB1	CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
PCB1	Q5001	IC	R2S15211FP	1	22242297R3	
PCB1	Q5002	IC	NJM4580M-D	1	22241448R2	
PCB1	Q5003	IC	NJM4580M-D	1	22241448R2	
PCB1	Q5200	TR	RN1441	1	2215410R2	

PCB1	Q5201	TR	RN1441	1	2215410R2	
PCB1	Q5202	TR	RN1441	1	2215410R2	
PCB1	Q5203	TR	RN1441	1	2215410R2	
PCB1	Q5204	TR	RN1441	1	2215410R2	
PCB1	Q5205	TR	KRC283S	1	2217220R2	
PCB1	Q5205 or	TR	RN1441	(1)	2215410R2	
PCB1	Q5215	TR	KRC283S	1	2217220R2	
PCB1	Q5215 or	TR	RN1441	(1)	2215410R2	
PCB1	Q6001	IC	STK413-220A	1	222139	
PCB1	Q6002	IC	STK413-220A	1	222139	
PCB1	Q6004	IC	LM61CIZ	1	22242212	
PCB1	Q6010	TR	2SC2240-GR	1	2211405T	
PCB1	Q6011	TR	2SC2240-GR	1	2211405T	
PCB1	Q6012	TR	2SC2240-GR	1	2211405T	
PCB1	Q6013	TR	2SC2240-GR	1	2211405T	
PCB1	Q6014	TR	2SC2240-GR	1	2211405T	
PCB1	Q6015	TR	2SC2240-GR	1	2211405T	
PCB1	Q6021	TR	2SA1163-BL(TE85L_F)	1	2216756R2	
PCB1	Q6022	TR	2SC2240-GR	1	2211405T	
PCB1	Q6023	TR	2SC2240-GR	1	2211405T	
PCB1	Q6051	TR	KRC105S	1	2217290R2	
PCB1	Q6051 or	TR	DTC123JKA	(1)	2216690R2	
PCB1	Q6051 or	TR	RN1405	(1)	2214500R2	
PCB1	Q6052	TR	KRC105S	1	2217290R2	
PCB1	Q6052 or	TR	DTC123JKA	(1)	2216690R2	

PCB1	Q6052 or	TR	RN1405	(1)	2214500R2	
PCB1	Q6053	TR	KRC105S	1	2217290R2	
PCB1	Q6053 or	TR	DTC123JKA	(1)	2216690R2	
PCB1	Q6053 or	TR	RN1405	(1)	2214500R2	
PCB1	Q6054	TR	KRC105M	1	2215830T	
PCB1	Q6054 or	TR	DTC123JS	(1)	2213640T	
PCB1	Q6054 or	TR	RN1205	(1)	2214660T	
PCB1	Q6101	TR	2SA970-BL(TPE2_F)	1	2211396T	<MWO, MWF>
PCB1	Q6101	TR	2SA970-BL(TPE2_F)	1	2211396T	<MPP>
PCB1	Q6102	TR	2SC2240-GR	1	2211405T	<MWO, MWF>
PCB1	Q6102	TR	2SC2240-GR	1	2211405T	<MPP>
PCB1	Q6103	TR	RN1402	1	2214470R2	<MWO, MWF>
PCB1	Q6103	TR	RN1402	1	2214470R2	<MPP>
PCB1	Q6104	TR	RN2402	1	2214530R2	<MWO, MWF>
PCB1	Q6104	TR	RN2402	1	2214530R2	<MPP>
PCB1	Q6105	TR	2SA970-BL(TPE2_F)	1	2211396T	<MWO, MWF>
PCB1	Q6105	TR	2SA970-BL(TPE2_F)	1	2211396T	<MPP>
PCB1	Q6106	TR	2SC2240-GR	1	2211405T	<MWO, MWF>
PCB1	Q6106	TR	2SC2240-GR	1	2211405T	<MPP>
PCB1	Q6107	TR	RN1402	1	2214470R2	<MWO, MWF>
PCB1	Q6107	TR	RN1402	1	2214470R2	<MPP>
PCB1	Q6108	TR	RN2402	1	2214530R2	<MWO, MWF>
PCB1	Q6108	TR	RN2402	1	2214530R2	<MPP>
PCB1	Q6109	TR	RN1401(TE85L_F)	1	2214460R2	<MWO, MWF>
PCB1	Q6109	TR	RN1401(TE85L_F)	1	2214460R2	<MPP>
PCB1	Q6110	PHT CP	PC817X	1	24120080	<MWO, MWF>

PCB1	Q6110	PHT CP	PC817X	1	24120080	<MPP>
PCB1	Q9001	IC	7812HF(TA7812S)	1	222780124TOS	
PCB1	Q9001 or	IC	78M12HF	(1)	222780125	
PCB1	Q9002	IC	79012HF(TA79012S)	1	222790124TOS	
PCB1	Q9002 or	IC	79M12HF	(1)	222790125	
PCB1	Q9003	TR	2SA1930(ONK_Q)	1	2203000	
PCB1	Q9006	IC	AN34060A	1	22242205	
PCB1	Q9501	TR	2SA970-BL(TPE2_F)	1	2211396T	
PCB1	Q9502	TR	KRC105M	1	2215830T	
PCB1	Q9502 or	TR	DTC123JS	(1)	2213640T	
PCB1	Q9502 or	TR	RN1205	(1)	2214660T	
PCB1	D5001	ZENER D	MTZJ6.8B	1	224470682T	
PCB1	D5001 or	ZENER D	DZ-6.8BSB	(1)	224850682T	
PCB1	D5002	ZENER D	MTZJ6.8B	1	224470682T	
PCB1	D5002 or	ZENER D	DZ-6.8BSB	(1)	224850682T	
PCB1	D5500	DIODE	1SS133	1	223163T	
PCB1	D6001	DIODE	D5SBA20	1	22380130F	
PCB1	D6001 or	DIODE	RS603M-B42	(1)	22380274F	
PCB1	D6001A	SCREW	3P+10FN(3BC)	1	82143010GR	
PCB1	D6001B	HEAT SINK(S)	RAD-155	1	27160486A	
PCB1	D6002	DIODE	D5SBA20	1	22380130	
PCB1	D6002 or	DIODE	DIODE RS603M	(1)	22380274	
PCB1	D6002A	SCREW	3P+10FN(3BC)	1	82143010GR	
PCB1	D6002B	HEAT SINK	RAD-141	1	27160472	
PCB1	D6003	ZENER D	MTZJ15C	1	224471503T	

PCB1	D6004	ZENER D	MTZJ15C	1	224471503T	
PCB1	D6005	ZENER D	MTZJ15C	1	224471503T	
PCB1	D6006	ZENER D	MTZJ15C	1	224471503T	
PCB1	D6031	DIODE	1SS133	1	223163T	
PCB1	D6032	DIODE	1SS133	1	223163T	
PCB1	D6033	ZENER D	MTZJ5.1B	1	224470512T	
PCB1	D6051	DIODE	1SS133	1	223163T	
PCB1	D6052	DIODE	1SS133	1	223163T	
PCB1	D6055	DIODE	1SS133	1	223163T	
PCB1	D6056	DIODE	1SS133	1	223163T	
PCB1	D9001	DIODE	D3SBA20	1	22380271F	
PCB1	D9002	DIODE	RL1N4003	1	22380260T	
PCB1	D9002 or	DIODE	GP104003E	(1)	22380035T	
PCB1	D9003	DIODE	RL1N4003	1	22380260T	
PCB1	D9003 or	DIODE	GP104003E	(1)	22380035T	
PCB1	D9004	DIODE	RL1N4003	1	22380260T	
PCB1	D9004 or	DIODE	GP104003E	(1)	22380035T	
PCB1	D9005	DIODE	RL1N4003	1	22380260T	
PCB1	D9005 or	DIODE	GP104003E	(1)	22380035T	
PCB1	D9006	DIODE	RL1N4003	1	22380260T	
PCB1	D9006 or	DIODE	GP104003E	(1)	22380035T	
PCB1	D9007	DIODE	RL1N4003	1	22380260T	
PCB1	D9007 or	DIODE	GP104003E	(1)	22380035T	
PCB1	D9008	ZENER D	MTZJ36D	1	224473604T	
PCB1	D9009	DIODE	RL1N4003	1	22380260T	
PCB1	D9009 or	DIODE	GP104003E	(1)	22380035T	

PCB1	D9010	DIODE	1SS133	1	223163T	<MWO, MWF>
PCB1	D9011	DIODE	1SS133	1	223163T	<MWO, MWF>
PCB1	D9012	ZENER D	MTZJ5.6C	1	224470563T	<MWO, MWF>
PCB1	D9012 or	ZENER D	DZ-5.6BSC	(1)	224850563T	<MWO, MWF>
PCB1	D9013	DIODE	RL1N4003	1	22380260T	
PCB1	D9013 or	DIODE	GP104003E	(1)	22380035T	
PCB1	L6000	S COIL	PB9510	1	231361	
PCB1	L6001	S COIL	PB9510	1	231361	
PCB1	L6002	S COIL	PB9510	1	231361	
PCB1	L6003	S COIL	PB9510	1	231361	
PCB1	L6004	S COIL	PB9510	1	231361	
PCB1	L6005	S COIL	PB9510	1	231361	
PCB1	C5003	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5004	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5011	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5012	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5015	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5016	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5019	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5020	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5027	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5028	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5031	MMT C	MMT50V-474J	1	375524744T	
PCB1	C5032	MMT C	MMT50V-474J	1	375524744T	
PCB1	C5033	MMT C	MMT50V-823J	1	375528234T	

PCB1	C5034	MMT C	MMT50V-823J	1	375528234T	
PCB1	C5035	MMT C	MMT50V-223J	1	375522234T	
PCB1	C5036	MMT C	MMT50V-223J	1	375522234T	
PCB1	C5054	C-CERA C	CK725B1H-473K1	1	332104735R1	
PCB1	C5110	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5111	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5112	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5113	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5114	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5115	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5130	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C5131	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C5132	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C5133	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C5134	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C5135	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C5141	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB1	C5142	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB1	C5200	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C5201	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C5202	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C5203	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C5204	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C5205	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C5206	VX C	CE04W25V-220M(VX_BLK)	1	397352217T	
PCB1	C5207	VX C	CE04W25V-220M(VX_BLK)	1	397352217T	

PCB1	C5210	VX C	CE04W50V 47M(VX_BLK)	1	397384707T	
PCB1	C5211	VX C	CE04W50V 47M(VX_BLK)	1	397384707T	
PCB1	C5212	VX C	CE04W50V 47M(VX_BLK)	1	397384707T	
PCB1	C5213	VX C	CE04W50V 47M(VX_BLK)	1	397384707T	
PCB1	C5214	VX C	CE04W50V 47M(VX_BLK)	1	397384707T	
PCB1	C5215	VX C	CE04W50V 47M(VX_BLK)	1	397384707T	
PCB1	C5235	VX C	CE04W50V 47M(VX_BLK)	1	397384707T	
PCB1	C5245	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5255	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB1	C5301	VX C	CE04W25V-470M(VX_BLK)	1	397354717T	
PCB1	C5302	VX C	CE04W25V-470M(VX_BLK)	1	397354717T	
PCB1	C6001	ELECT C	CE69W63V-10000MB	1	3504418	
PCB1	C6002	ELECT C	CE69W63V-10000MB	1	3504418	
PCB1	C6003	ELECT C	CE69W35V-5600MB	1	3504443	
PCB1	C6004	ELECT C	CE69W35V-5600MB	1	3504443	
PCB1	C6005	TF C	ECQ-V100-334J	1	374733344T	<MWO, MWF>
PCB1	C6005	TF C	ECQ-V100-334J	1	374733344T	<MPP>
PCB1	C6006	TF C	ECQ-V100-334J	1	374733344T	<MWO, MWF>
PCB1	C6006	TF C	ECQ-V100-334J	1	374733344T	<MPP>
PCB1	C6007	TF C	ECQ-V50V-334J	1	374723344T	
PCB1	C6008	TF C	ECQ-V50V-334J	1	374723344T	
PCB1	C6009	TF C	ECQ-V50V-273J	1	374722734T	
PCB1	C6010	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C6011	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C6012	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	

PCB1	C6013	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C6014	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C6015	VX C	CE04W25V-47M(VX_BLK)	1	397354707T	
PCB1	C6016	TF C	ECQ-V100-104J	1	374731044T	<MWO, MWF>
PCB1	C6016	TF C	ECQ-V100-104J	1	374731044T	<MPP>
PCB1	C6020	TF C	ECQ-B50V-471J	1	374724714T	
PCB1	C6021	TF C	ECQ-B50V-471J	1	374724714T	
PCB1	C6022	TF C	ECQ-B50V-471J	1	374724714T	
PCB1	C6023	TF C	ECQ-B50V-471J	1	374724714T	
PCB1	C6024	TF C	ECQ-B50V-471J	1	374724714T	
PCB1	C6025	TF C	ECQ-B50V-471J	1	374724714T	
PCB1	C6030	VX C	CE04W25V-220M(VX_BLK)	1	397352217T	
PCB1	C6031	VX C	CE04W25V-220M(VX_BLK)	1	397352217T	
PCB1	C6032	VX C	CE04W25V-220M(VX_BLK)	1	397352217T	
PCB1	C6033	VX C	CE04W25V-220M(VX_BLK)	1	397352217T	
PCB1	C6034	VX C	CE04W25V-220M(VX_BLK)	1	397352217T	
PCB1	C6035	VX C	CE04W25V-220M(VX_BLK)	1	397352217T	
PCB1	C6040	CERA C	CC45CH50V-030D	1	345340302T	
PCB1	C6041	CERA C	CC45CH50V-030D	1	345340302T	
PCB1	C6042	CERA C	CC45CH50V-030D	1	345340302T	
PCB1	C6043	CERA C	CC45CH50V-030D	1	345340302T	
PCB1	C6044	CERA C	CC45CH50V-030D	1	345340302T	
PCB1	C6045	CERA C	CC45CH50V-030D	1	345340302T	
PCB1	C6050	C-CERA C	CK725B1H-472K1	1	332104725R1	
PCB1	C6051	C-CERA C	CK725B1H-472K1	1	332104725R1	
PCB1	C6052	C-CERA C	CK725B1H-472K1	1	332104725R1	

PCB1	C6053	C-CERA C	CK725B1H-472K1	1	332104725R1	
PCB1	C6054	C-CERA C	CK725B1H-472K1	1	332104725R1	
PCB1	C6055	C-CERA C	CK725B1H-472K1	1	332104725R1	
PCB1	C6060	TF C	ECQ-V50V-473J	1	374724734T	
PCB1	C6061	TF C	ECQ-V50V-473J	1	374724734T	
PCB1	C6062	TF C	ECQ-V50V-473J	1	374724734T	
PCB1	C6063	TF C	ECQ-V50V-473J	1	374724734T	
PCB1	C6064	TF C	ECQ-V50V-473J	1	374724734T	
PCB1	C6065	TF C	ECQ-V50V-473J	1	374724734T	
PCB1	C6070	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6071	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6072	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6073	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6074	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6075	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6080	TF C	ECQ-B50V-102J	1	374721024T	<MDD, MDC>
PCB1	C6080	TF C	ECQ-B50V-102J	1	374721024T	<MWO, MWF>
PCB1	C6080	TF C	ECQ-B50V-472J	1	374724724T	<MPP>
PCB1	C6081	TF C	ECQ-B50V-102J	1	374721024T	<MDD, MDC>
PCB1	C6081	TF C	ECQ-B50V-102J	1	374721024T	<MWO, MWF>
PCB1	C6081	TF C	ECQ-B50V-472J	1	374724724T	<MPP>
PCB1	C6082	TF C	ECQ-B50V-102J	1	374721024T	<MDD, MDC>
PCB1	C6082	TF C	ECQ-B50V-102J	1	374721024T	<MWO, MWF>
PCB1	C6082	TF C	ECQ-B50V-472J	1	374724724T	<MPP>
PCB1	C6083	TF C	ECQ-B50V-102J	1	374721024T	<MDD, MDC>

PCB1	C6083	TF C	ECQ-B50V-102J	1	374721024T	<MWO, MWF>
PCB1	C6083	TF C	ECQ-B50V-472J	1	374724724T	<MPP>
PCB1	C6084	TF C	ECQ-B50V-102J	1	374721024T	<MDD, MDC>
PCB1	C6084	TF C	ECQ-B50V-102J	1	374721024T	<MWO, MWF>
PCB1	C6084	TF C	ECQ-B50V-472J	1	374724724T	<MPP>
PCB1	C6085	TF C	ECQ-B50V-102J	1	374721024T	<MDD, MDC>
PCB1	C6085	TF C	ECQ-B50V-102J	1	374721024T	<MWO, MWF>
PCB1	C6085	TF C	ECQ-B50V-472J	1	374724724T	<MPP>
PCB1	C6086	TF C	ECQ-B50V-102J	1	374721024T	<MDD, MDC>
PCB1	C6086	TF C	ECQ-B50V-102J	1	374721024T	<MWO, MWF>
PCB1	C6086	TF C	ECQ-B50V-472J	1	374724724T	<MPP>
PCB1	C6087	TF C	ECQ-B50V-102J	1	374721024T	<MDD, MDC>
PCB1	C6087	TF C	ECQ-B50V-102J	1	374721024T	<MWO, MWF>
PCB1	C6087	TF C	ECQ-B50V-472J	1	374724724T	<MPP>
PCB1	C6090	VX C	CE04W25V-100M(VX_BLK)	1	397351017T	
PCB1	C6091	VX C	CE04W50V-1M(VX_BLK)	1	397380107T	
PCB1	C6093	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB1	C6101	VX C	CE04W63V-100M(VX_BLK)	1	397371017T	
PCB1	C6102	VX C	CE04W63V-100M(VX_BLK)	1	397371017T	
PCB1	C6103	VX C	CE04W50V 47M(VX_BLK)	1	397384707T	
PCB1	C6104	VX C	CE04W63V-100M(VX_BLK)	1	397371017T	
PCB1	C6105	VX C	CE04W63V-100M(VX_BLK)	1	397371017T	
PCB1	C6106	VX C	CE04W50V 47M(VX_BLK)	1	397384707T	
PCB1	C6107	VX C	CE04W63V-100M(VX_BLK)	1	397371017T	
PCB1	C6108	VX C	CE04W63V-100M(VX_BLK)	1	397371017T	
PCB1	C6109	VX C	CE04W50V 100M(VX_BLK)	1	397381017T	

PCB1	C6110	VX C	CE04W50V 100M(VX_BLK)	1	397381017T	
PCB1	C6111	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6112	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6115	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6116	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB1	C6401	TF C	ECQ-B50V-103J	1	374721034T	<MWO, MWF>
PCB1	C6401	TF C	ECQ-B50V-103J	1	374721034T	<MPP>
PCB1	C6402	TF C	ECQ-B50V-101J	1	374721014T	<MWO, MWF>
PCB1	C6402	TF C	ECQ-B50V-101J	1	374721014T	<MPP>
PCB1	C6403	TF C	ECQ-B50V-101J	1	374721014T	<MWO, MWF>
PCB1	C6403	TF C	ECQ-B50V-101J	1	374721014T	<MPP>
PCB1	C9001	VR C	CE04W16V-4700M(VR)	1	394644727S	
PCB1	C9002	VR C	CE04W50V-22M(VR)	1	394682207T	
PCB1	C9003	VR C	CE04W50V-22M(VR)	1	394682207T	
PCB1	C9004	VR C	CE04W50V-22M(VR)	1	394682207T	
PCB1	C9005	VR C	CE04W50V-22M(VR)	1	394682207T	
PCB1	C9010	VR C	CE04W50V-10M(VR)	1	394681007T	
PCB1	C9011	VR C	CE04W50V-10M(VR)	1	394681007T	
PCB1	C9012	VR C	CE04W50V-10M(VR)	1	394681007T	
PCB1	C9013	VR C	CE04W50V-10M(VR)	1	394681007T	
PCB1	C9051	TF C	ECQ-V50V-104J	1	374721044T	
PCB1	C9501	VR C	CE04W35V-1000M(VR)	1	394661027S	
PCB1	C9502	VR C	CE04W35V-470M(VR)	1	394664717T	
PCB1	C9503	VR C	CE04W50V-220M(VR)	1	394682217T	
PCB1	C9504	VR C	CE04W63V-470M(VR)	1	394674717S	

PCB1	C9505	VR C	CE04W50V-10M(VR)	1	394681007T	
PCB1	C9506	VR C	CE04W50V-10M(VR)	1	394681007T	
PCB1	C9507	VR C	CE04W50V-2.2M(VR)	1	394680227T	<MWO, MWF>
PCB1	R5001	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5002	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5003	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5004	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5005	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5006	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5007	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5008	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5009	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5010	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5011	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5012	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5013	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5014	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5015	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5016	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5017	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5018	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5019	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5020	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5021	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5022	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5023	C-CARBON R	RN72K1J-104JE	1	435031044R1	

PCB1	R5024	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5025	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5026	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5027	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5028	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5029	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5030	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5041	C-CARBON R	RN72K1J-182JE	1	435031824R1	
PCB1	R5042	C-CARBON R	RN72K1J-182JE	1	435031824R1	
PCB1	R5100	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5101	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5102	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5103	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5104	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5105	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5110	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5111	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5112	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5113	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5114	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5115	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB1	R5141	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5142	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5143	C-CARBON R	RN72K1J-122JE	1	435031224R1	
PCB1	R5144	C-CARBON R	RN72K1J-122JE	1	435031224R1	

PCB1	R5145	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5146	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5147	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5148	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5149	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB1	R5150	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB1	R5200	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5201	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5202	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5203	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5204	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5205	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5206	CARBON R	R16J-22	1	417342204T	
PCB1	R5207	CARBON R	R16J-22	1	417342204T	
PCB1	R5210	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5211	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5212	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5213	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5214	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5215	C-CARBON R	RN72K1J-271JE	1	435032714R1	
PCB1	R5216	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5225	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB1	R5235	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R5245	C-CARBON R	RN72K1J-122JE	1	435031224R1	
PCB1	R5255	C-CARBON R	RN72K1J-153JE	1	435031534R1	
PCB1	R5265	C-CARBON R	RN72K1J-103JE	1	435031034R1	

PCB1	R5301	METAL O R	RS1/2WBJ-100	1	443521014T	
PCB1	R5302	METAL O R	RS1/2WBJ-100	1	443521014T	
PCB1	R5303	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5304	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5500	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5901	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R5902	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R6010	CARBON R	R16J-1K	1	417341024T	
PCB1	R6011	CARBON R	R16J-1K	1	417341024T	
PCB1	R6012	CARBON R	R16J-1K	1	417341024T	
PCB1	R6013	CARBON R	R16J-1K	1	417341024T	
PCB1	R6014	CARBON R	R16J-1K	1	417341024T	
PCB1	R6015	CARBON R	R16J-1K	1	417341024T	
PCB1	R6020	CARBON R	R16J-56K	1	417345634T	
PCB1	R6021	CARBON R	R16J-56K	1	417345634T	
PCB1	R6022	CARBON R	R16J-56K	1	417345634T	
PCB1	R6023	CARBON R	R16J-56K	1	417345634T	
PCB1	R6024	CARBON R	R16J-56K	1	417345634T	
PCB1	R6025	CARBON R	R16J-56K	1	417345634T	
PCB1	R6030	CARBON R	R16J-1.5K	1	417341524T	
PCB1	R6031	CARBON R	R16J-1.5K	1	417341524T	
PCB1	R6032	CARBON R	R16J-1.5K	1	417341524T	
PCB1	R6033	CARBON R	R16J-1.5K	1	417341524T	
PCB1	R6034	CARBON R	R16J-1.5K	1	417341524T	
PCB1	R6035	CARBON R	R16J-1.5K	1	417341524T	

PCB1	R6040	CARBON R	R16J-56K	1	417345634T	
PCB1	R6041	CARBON R	R16J-56K	1	417345634T	
PCB1	R6042	CARBON R	R16J-56K	1	417345634T	
PCB1	R6043	CARBON R	R16J-56K	1	417345634T	
PCB1	R6044	CARBON R	R16J-56K	1	417345634T	
PCB1	R6045	CARBON R	R16J-56K	1	417345634T	
PCB1	R6050	CARBON R	R16J-1K	1	417341024T	
PCB1	R6051	CARBON R	R16J-1K	1	417341024T	
PCB1	R6052	CARBON R	R16J-1K	1	417341024T	
PCB1	R6053	CARBON R	R16J-1K	1	417341024T	
PCB1	R6054	CARBON R	R16J-1K	1	417341024T	
PCB1	R6055	CARBON R	R16J-1K	1	417341024T	
PCB1	R6060	CEMENT R	RSS2WK-0.22	1	4800071	
PCB1	R6060 or	METAL PR	MPR2W+2W 0R22	(1)	4000234	
PCB1	R6060 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131	
PCB1	R6060 or	METAL PR	MPC708-2WK-0.22	(1)	4500027	
PCB1	R6061	CEMENT R	RSS2WK-0.22	1	4800071	
PCB1	R6061 or	METAL PR	MPR2W+2W 0R22	(1)	4000234	
PCB1	R6061 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131	
PCB1	R6061 or	METAL PR	MPC708-2WK-0.22	(1)	4500027	
PCB1	R6062	CEMENT R	RSS2WK-0.22	1	4800071	
PCB1	R6062 or	METAL PR	MPR2W+2W 0R22	(1)	4000234	
PCB1	R6062 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131	
PCB1	R6062 or	METAL PR	MPC708-2WK-0.22	(1)	4500027	
PCB1	R6063	CEMENT R	RSS2WK-0.22	1	4800071	
PCB1	R6063 or	METAL PR	MPR2W+2W 0R22	(1)	4000234	

PCB1	R6063 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131
PCB1	R6063 or	METAL PR	MPC708-2WK-0.22	(1)	4500027
PCB1	R6064	CEMENT R	RSS2WK-0.22	1	4800071
PCB1	R6064 or	METAL PR	MPR2W+2W 0R22	(1)	4000234
PCB1	R6064 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131
PCB1	R6064 or	METAL PR	MPC708-2WK-0.22	(1)	4500027
PCB1	R6065	CEMENT R	RSS2WK-0.22	1	4800071
PCB1	R6065 or	METAL PR	MPR2W+2W 0R22	(1)	4000234
PCB1	R6065 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131
PCB1	R6065 or	METAL PR	MPC708-2WK-0.22	(1)	4500027
PCB1	R6070	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6071	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6072	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6073	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6074	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6075	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6080	C-CARBON R	RN72K1J-562JE	1	435035624R1
PCB1	R6081	C-CARBON R	RN72K1J-562JE	1	435035624R1
PCB1	R6082	C-CARBON R	RN72K1J-562JE	1	435035624R1
PCB1	R6083	C-CARBON R	RN72K1J-562JE	1	435035624R1
PCB1	R6084	C-CARBON R	RN72K1J-562JE	1	435035624R1
PCB1	R6085	C-CARBON R	RN72K1J-562JE	1	435035624R1
PCB1	R6100	C-CARBON R	RN72K1J-333JE	1	435033334R1
PCB1	R6101	C-CARBON R	RN72K1J-333JE	1	435033334R1
PCB1	R6102	C-CARBON R	RN72K1J-333JE	1	435033334R1

PCB1	R6103	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB1	R6104	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB1	R6105	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB1	R6110	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R6111	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R6112	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R6113	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R6114	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R6115	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R6130	CARBON R	R16J-4.7	1	417340474T	
PCB1	R6131	CARBON R	R16J-4.7	1	417340474T	
PCB1	R6132	CARBON R	R16J-4.7	1	417340474T	
PCB1	R6133	CARBON R	R16J-4.7	1	417340474T	
PCB1	R6134	CARBON R	R16J-4.7	1	417340474T	
PCB1	R6135	CARBON R	R16J-4.7	1	417340474T	
PCB1	R6140	METAL R	RNU1WCJ-8.2	1	453630824T	
PCB1	R6141	METAL R	RNU1WCJ-8.2	1	453630824T	
PCB1	R6142	METAL R	RNU1WCJ-8.2	1	453630824T	
PCB1	R6143	METAL R	RNU1WCJ-8.2	1	453630824T	
PCB1	R6144	METAL R	RNU1WCJ-8.2	1	453630824T	
PCB1	R6145	METAL R	RNU1WCJ-8.2	1	453630824T	
PCB1	R6201	METAL O R	RS1WBJ-3.3K	1	441623324F	
PCB1	R6202	METAL O R	RS1WBJ-3.3K	1	441623324F	
PCB1	R6203	CARBON R	R16J-33K	1	417343334T	
PCB1	R6204	METAL O R	RS1WBJ-100	1	441621014F	
PCB1	R6205	METAL O R	RS1WBJ-100	1	441621014F	

PCB1	R6206	METAL O R	RS1WBJ-3.3K	1	441623324F	
PCB1	R6207	METAL O R	RS1WBJ-3.3K	1	441623324F	
PCB1	R6208	CARBON R	R16J-33K	1	417343334T	
PCB1	R6209	METAL O R	RS1WBJ-100	1	441621014F	
PCB1	R6210	METAL O R	RS1WBJ-100	1	441621014F	
PCB1	R6211	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB1	R6213	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R6214	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R6216	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R6251	METAL O R	RS1/2WBJ-390	1	443523914T	
PCB1	R6252	METAL O R	RS1/2WBJ-390	1	443523914T	
PCB1	R6301	METAL O R	RS1/2WBJ-56	1	443525604T	
PCB1	R6302	METAL O R	RS1/2WBJ-27	1	443522704T	
PCB1	R6401	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MWO, MWF>
PCB1	R6401	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MPP>
PCB1	R6402	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MWO, MWF>
PCB1	R6402	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MPP>
PCB1	R6403	C-CARBON R	RN72K1J-102JE	1	435031024R1	<MWO, MWF>
PCB1	R6403	C-CARBON R	RN72K1J-102JE	1	435031024R1	<MPP>
PCB1	R6404	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MWO, MWF>
PCB1	R6404	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MPP>
PCB1	R6405	C-CARBON R	RN72K1J-563JE	1	435035634R1	<MWO, MWF>
PCB1	R6405	C-CARBON R	RN72K1J-563JE	1	435035634R1	<MPP>
PCB1	R6406	C-CARBON R	RN72K1J-473JE	1	435034734R1	<MWO, MWF>
PCB1	R6406	C-CARBON R	RN72K1J-473JE	1	435034734R1	<MPP>

PCB1	R6407	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MWO, MWF>
PCB1	R6407	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MPP>
PCB1	R6408	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MWO, MWF>
PCB1	R6408	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MPP>
PCB1	R6409	C-CARBON R	RN72K1J-102JE	1	435031024R1	<MWO, MWF>
PCB1	R6409	C-CARBON R	RN72K1J-102JE	1	435031024R1	<MPP>
PCB1	R6410	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MWO, MWF>
PCB1	R6410	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MPP>
PCB1	R6411	C-CARBON R	RN72K1J-563JE	1	435035634R1	<MWO, MWF>
PCB1	R6411	C-CARBON R	RN72K1J-563JE	1	435035634R1	<MPP>
PCB1	R6412	C-CARBON R	RN72K1J-473JE	1	435034734R1	<MWO, MWF>
PCB1	R6412	C-CARBON R	RN72K1J-473JE	1	435034734R1	<MPP>
PCB1	R6413	C-CARBON R	RN72K1J-473JE	1	435034734R1	<MWO, MWF>
PCB1	R6413	C-CARBON R	RN72K1J-473JE	1	435034734R1	<MPP>
PCB1	R6414	CARBON R	R16J-220	1	417342214T	<MWO, MWF>
PCB1	R6414	CARBON R	R16J-220	1	417342214T	<MPP>
PCB1	R6501	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R6502	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R6901	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MWO, MWF>
PCB1	R6901	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MPP>
PCB1	R6902	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MWO, MWF>
PCB1	R6902	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MPP>
PCB1	R6903	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MWO, MWF>
PCB1	R6903	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MPP>
PCB1	R6904	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MWO, MWF>
PCB1	R6904	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MPP>

PCB1	R6905	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MDD, MDC>
PCB1	R9001	METAL R	RNU1WCJ-6.8	1	453630684T	
PCB1	R9002	METAL O R	RS1WBJ-56	1	441625604F	
PCB1	R9003	METAL O R	RS2WBJ-12	1	441721204F	
PCB1	R9004	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R9005	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R9006	METAL O R	RS2WBJ-220	1	441722214F	
PCB1	R9007	METAL O R	RS2WBJ-220	1	441722214F	
PCB1	R9008	METAL O R	RS2WBJ-270	1	441722714F	
PCB1	R9009	METAL R	RNU1/2WCJ-15	1	453531504T	
PCB1	R9011	METAL R	RNU1/2WCJ-0.22	1	453532294T	
PCB1	R9012	METAL O R	RS2WBJ-220	1	441722214F	
PCB1	R9013	METAL O R	RS2WBJ-220	1	441722214F	
PCB1	R9015	METAL R	RNU1/2WCJ-4.7	1	453530474T	
PCB1	R9051	METAL R	RNU1/2WCJ-0.22	1	453532294T	
PCB1	R9052	METAL R	RNU1WCJ-1	1	453630104T	
PCB1	R9053	METAL R	RNU1WCJ-1	1	453630104T	
PCB1	R9054	METAL R	RNU1/2WCJ-8.2	1	453530824T	
PCB1	R9501	METAL O R	RS1/2WBJ-22	1	443522204T	
PCB1	R9502	CARBON R	R16J-330K	1	417343344T	
PCB1	R9503	METAL R	RNU1/2WCJ-1	1	453530104T	<MWO, MWF>
PCB1	R9504	METAL R	RNU1/2WCJ-1	1	453530104T	<MWO, MWF>
PCB1	R9505	CARBON R	R16J-2.2K	1	417342224T	
PCB1	R9508	CARBON R	R16J-100K	1	417341044T	<MWO, MWF>
PCB1	RL6001	RELAY	NRL-2P5A-DC24-158	1	25065618	

PCB1	RL6001 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563A	
PCB1	RL6002	RELAY	NRL-2P5A-DC24-158	1	25065618	
PCB1	RL6002 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563A	
PCB1	RL6003	RELAY	NRL-2P5A-DC24-158	1	25065618	
PCB1	RL6003 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563A	
PCB1	RL6004	RELAY	NRL-2P5A-DC24-158	1	25065618	
PCB1	RL6004 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563A	
PCB1	RL6005	RELAY	NRL-2P5A-DC24-158	1	25065618	
PCB1	RL6005 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563A	
PCB1	RL6006	RELAY	NRL-2P5A-DC24-095	1	25065510	
PCB1	P301	PLUG	NPLG-6P0961	1	25056011	
PCB1	P302	PLUG	NPLG-20P0975	1	25056025	
PCB1	P303	PLUG	NPLG-20P0975	1	25056025	
PCB1	P5001	TRM(SCREW)	NEJITANSI M3	1	25065425	
PCB1	P5002	PIN JACK	NPJ-6PDWWRRR561	1	25045779	
PCB1	P5002 or	PIN JACK	NPJ-6PDBL159	(1)	25045300	
PCB1	P5003	PIN JACK	NPJ-4PDWWRR624	1	25045845	
PCB1	P5003 or	PIN JACK	NPJ-4PDBL162	(1)	25045303	
PCB1	P5004	PIN JACK	NPJ-4PDWWRR624	1	25045845	
PCB1	P5004 or	PIN JACK	NPJ-4PDBL162	(1)	25045303	
PCB1	P5005	PIN JACK	NPJ-6PWRLGGP493	1	25045697	
PCB1	P5500	ST JACK	LGY2502-0200FC	1	25045696	
PCB1	P6001	TRM	NTM-12PDML362	1	25060433	<MDD, MDC>
PCB1	P6001 or	TRM	NTM-12PDML356	(1)	25060427	<MDD, MDC>
PCB1	P6001	TRM	NTM-12PDML362	1	25060433	<MPP>
PCB1	P6001 or	TRM	NTM-12PDML356	(1)	25060427	<MPP>

PCB1	P6001	TRM	NTM-12PDML362	1	25060433	<MWO, MWF>
PCB1	P6001 or	TRM	NTM-12PDML356	(1)	25060427	<MWO, MWF>
PCB1	P6002	TRM	NTM-4PDML364	1	25060435	
PCB1	P6002 or	TRM	NTM-4PDML357	(1)	25060428	
PCB1	P6005	BUS BAR	BBL30	1	27141791	
PCB1	P6006	CRIMP AS	CRIMP AS	1	20799165UL	
PCB1	P6500	WS CLAMP	CB-71683(L=50)	1	260261	
PCB1	P6501	WS CLAMP	CB-71683(L=50)	1	260261	
PCB1	E6001	RETAINER	MET37-0002	1	27142009T	
PCB1	F6001A	FUSE HOL	NSCT-1P2031	1	25052133T	!
PCB1	F6001B	FUSE HOL	NSCT-1P2031	1	25052133T	!
PCB1	F6002A	FUSE HOL	NSCT-1P2031	1	25052133T	!
PCB1	F6002B	FUSE HOL	NSCT-1P2031	1	25052133T	!
PCB1	JL6001	JUMPER LEAD	JL6 200 H	1	---	NSP
PCB1	JL6001A	WIRE HOL	NSCT-6P897	1	25051110	
PCB1	JL6001B	WIRE HOL	NSCT-6P897	1	25051110	
PCB1	JL9001	JUMPER LEAD	JL8 200 H	1	---	NSP
PCB1	JL9001A	WIRE HOL	NSCT-8P899	1	25051112	
PCB1	JL9001B	WIRE HOL	NSCT-8P899	1	25051112	
PCB1	JL9002	JUMPER LEAD	JL7 200 H	1	---	NSP
PCB1	JL9002A	WIRE HOL	NSCT-7P898	1	25051111	
PCB1	JL9002B	WIRE HOL	NSCT-7P898	1	25051111	
PCB1	JL9003	JUMPER LEAD	JL5 150 H	1	---	NSP
PCB1	JL9003A	WIRE HOL	NSCT-5P896	1	25051109	

PCB2	U04		DSP & MICROPROCESSOR PC BOARD (NADG-8756-2A /2B /2D)			
PCB2						
PCB2	CIRCUIT NO. PART NAME		DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
PCB2	Q101	TR	2SC1815-GR	1	2211255T	
PCB2	Q191	IC	BD7820	1	22242300R2	
PCB2	Q201	IC	ADSP-21266SKSTZ-1C-1113	1	22242301R3	
PCB2	Q271	IC	TC74VHC541FT	1	22274541ER2TO	
PCB2	Q271 or	IC	SN74AHC541PWR	(1)	22274541IR2TI	
PCB2	Q271 or	IC	TC74VHC541FT(EKJ)	(1)	22274541E1R2TO	
PCB2	Q272	IC	TC74HCT7007AF(EL_F)	1	222740077R2TO	
PCB2	Q301	IC	CS42516-CQZ(R)-D	1	22242294R2	
PCB2	Q401	IC	NJM4580M-D	1	22241448R2	
PCB2	Q402	IC	NJM4580M-D	1	22241448R2	
PCB2	Q403	IC	NJM4580M-D	1	22241448R2	
PCB2	Q701	IC (MICROPROCESSOR)	M30622MGP-395FP	1	22242461R3	
PCB2	Q702	IC	S-812C50AUA-C3E	1	22242240R2	
PCB2	Q705	TR	KRC104S	1	2216210R2	
PCB2	Q705 or	TR	RN1404	(1)	2214490R2	
PCB2	Q712	TR	KRC104S	1	2216210R2	
PCB2	Q712 or	TR	RN1404	(1)	2214490R2	
PCB2	Q728	TR	KRC104S	1	2216210R2	
PCB2	Q728 or	TR	RN1404	(1)	2214490R2	
PCB2	Q735	IC	S-24CS16A0I-J8V1G	1	22242326R2	
PCB2	Q747	TR	KRC104S	1	2216210R2	
PCB2	Q747 or	TR	RN1404	(1)	2214490R2	
PCB2	Q748	TR	KRA102S	1	2216220R2	

PCB2	Q748 or	TR	RN2402	(1)	2214530R2	
PCB2	Q772	TR	KRA102S	1	2216220R2	
PCB2	Q772 or	TR	RN2402	(1)	2214530R2	
PCB2	D101	ZENER D	UDZS10B	1	224551000R2	
PCB2	D712	C-DIODE	KDS4148U	1	223283R2	
PCB2	D712 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D712 or	C-DIODE	MA2J111	(1)	223279R2	
PCB2	D712 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D718	C-DIODE	KDS4148U	1	223283R2	
PCB2	D718 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D718 or	C-DIODE	MA2J111	(1)	223279R2	
PCB2	D718 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D720	C-DIODE	KDS4148U	1	223283R2	<MWO, MWF>
PCB2	D720 or	C-DIODE	1SS352	(1)	223234R2	<MWO, MWF>
PCB2	D720 or	C-DIODE	MA2J111	(1)	223279R2	<MWO, MWF>
PCB2	D720 or	C-DIODE	1SS355	(1)	223269R2	<MWO, MWF>
PCB2	D747	C-DIODE	KDS4148U	1	223283R2	
PCB2	D747 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D747 or	C-DIODE	MA2J111	(1)	223279R2	
PCB2	D747 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D772	C-DIODE	KDS4148U	1	223283R2	
PCB2	D772 or	C-DIODE	1SS352	(1)	223234R2	
PCB2	D772 or	C-DIODE	MA2J111	(1)	223279R2	
PCB2	D772 or	C-DIODE	1SS355	(1)	223269R2	
PCB2	D773	ZENER D	UDZS5.1B	1	224550510R2	

PCB2	X201	CRYSTAL	HC-49US24.576MHz	1	3010423T	
PCB2	X201 or	CRYSTAL	HC-49/U03-24.576M	(1)	3010314T	
PCB2	X701	CERA LOCK	CSTCR6M0055-R0	1	3010397R2	
PCB2	L131	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB2	L201	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB2	L202	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB2	L231	EMIFIL	BK1608LM182-T	1	230958R1	
PCB2	L301	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB2	L302	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB2	L303	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB2	L305	EMIFIL	BK1608LM182-T	1	230958R1	
PCB2	L306	EMIFIL	BK1608LM182-T	1	230958R1	
PCB2	L311	EMIFIL	BK1608LM182-T	1	230958R1	
PCB2	L701	CHOKE COIL	NCH-1479	1	231237K470R2	
PCB2	C101	VR C	CE04W16V-100M(VR)	1	394641017T	
PCB2	C103	VR C	CE04W16V-100M(VR)	1	394641017T	
PCB2	C104	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C131	VR C	CE04W16V-100M(VR)	1	394641017T	
PCB2	C132	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C133	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C191	VR C	CE04W16V-100M(VR)	1	394641017T	
PCB2	C192	VR C	CE04W16V-100M(VR)	1	394641017T	
PCB2	C204	VR C	CE04W6.3V-220M(VR)	1	394622217T	
PCB2	C209	C-CERA C	CC725CH1H-120J1	1	342101204R1	
PCB2	C210	C-CERA C	CC725CH1H-120J1	1	342101204R1	
PCB2	C211	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	C217	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C218	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C219	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C220	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C223	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C224	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C227	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C228	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C230	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C231	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C232	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C235	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C236	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C238	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C239	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C241	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB2	C242	C-CERA C	CK725F1H-103Z1	1	332151030R1	
PCB2	C243	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C244	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C271	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C272	C-CERA C	CK725F1E-104Z1	1	332161040R1	

PCB2	C301	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB2	C302	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB2	C303	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB2	C304	VR C	CE04W16V-100M(VR)	1	394641017T	
PCB2	C305	VX C	CE04W10V-100M(VX_BLK)	1	397331017T	
PCB2	C306	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C307	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C308	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C310	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C311	C-CERA C	CK725B1H-222K1	1	332102225R1	
PCB2	C312	C-CERA C	CK725B1H-473K1	1	332104735R1	
PCB2	C313	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C321	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB2	C322	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB2	C323	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB2	C333	VX C	CE04W50V-22M(VX_BLK)	1	397382207T	
PCB2	C334	VX C	CE04W50V-22M(VX_BLK)	1	397382207T	
PCB2	C335	VX C	CE04W50V-22M(VX_BLK)	1	397382207T	
PCB2	C336	VX C	CE04W50V-22M(VX_BLK)	1	397382207T	
PCB2	C337	TF C	ECQ-B50V-222J	1	374722224T	
PCB2	C338	TF C	ECQ-B50V-222J	1	374722224T	
PCB2	C401	TF C	ECQ-B50V-472J	1	374724724T	
PCB2	C402	TF C	ECQ-B50V-472J	1	374724724T	
PCB2	C403	TF C	ECQ-B50V-472J	1	374724724T	
PCB2	C404	TF C	ECQ-V50V-333J	1	374723334T	
PCB2	C405	TF C	ECQ-B50V-472J	1	374724724T	

PCB2	C406	TF C	ECQ-B50V-472J	1	374724724T	
PCB2	C411	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB2	C412	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB2	C413	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB2	C414	TF C	ECQ-B50V-153J	1	374721534T	
PCB2	C415	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB2	C416	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB2	C421	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB2	C422	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB2	C423	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB2	C424	TF C	ECQ-B50V-103J	1	374721034T	
PCB2	C425	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB2	C426	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB2	C451	VR C	CE04W16V-220M(VR)	1	394642217T	
PCB2	C452	VR C	CE04W16V-220M(VR)	1	394642217T	
PCB2	C702	VR C	CE04W16V-100M(VR)	1	394641017T	
PCB2	C703	VR C	CE04W16V-100M(VR)	1	394641017T	
PCB2	C704	VR C	CE04W16V-100M(VR)	1	394641017T	
PCB2	C712	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C713	VR C	CE04W50V-4.7M(VR)	1	394680477T	
PCB2	C716	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C718	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C720	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MWO, MWF>
PCB2	C729	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB2	C730	C-CERA C	CC725CH1H-101J1	1	342101014R1	

PCB2	C735	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C748	VR C	CE04W50V-1M(VR)	1	394680107T	
PCB2	C749	C-CERA C	CK732B1C-474K	1	337394745R1	
PCB2	C750	C-CERA C	CK732B1C-474K	1	337394745R1	
PCB2	C762	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C767	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	C778	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB2	C793	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB2	C794	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB2	C795	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB2	C797	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB2	C798	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB2	R101	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB2	R131	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R132	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R191	C-CARBON R	RN72K1J-393JE	1	435033934R1	
PCB2	R192	C-CARBON R	RN72K1J-393JE	1	435033934R1	
PCB2	R193	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB2	R194	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R201	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R203	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R205	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R207	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R209	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R210	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R211	C-CARBON R	RN72K1J-103JE	1	435031034R1	

PCB2	R212	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R213	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R214	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R221	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R222	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R223	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R224	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R225	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R226	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R231	C-CARBON R	RN72K1J-560JE	1	435035604R1	
PCB2	R251	C-CARBON R	RN72K1J-105JE	1	435031054R1	
PCB2	R301	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R302	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R303	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R304	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R305	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R306	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R307	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R308	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R309	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R310	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R311	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R312	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R313	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R314	C-CARBON R	RN72K1J-221JE	1	435032214R1	

PCB2	R315	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R316	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R317	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R318	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R321	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R322	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R323	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R325	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB2	R335	C-CARBON R	RN72K1J-560JE	1	435035604R1	
PCB2	R336	C-CARBON R	RN72K1J-560JE	1	435035604R1	
PCB2	R337	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R338	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R339	C-CARBON R	RN72K1J-392JE	1	435033924R1	
PCB2	R340	C-CARBON R	RN72K1J-392JE	1	435033924R1	
PCB2	R341	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R342	C-CARBON R	RN72K1J-000JE	1	435030004R1	
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	
PCB2	R404	C-CARBON R	RN72K1J-332JE	1	435033324R1	
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	R409	C-CARBON R	RN72K1J-332JE	1	435033324R1	
PCB2	R410	C-CARBON R	RN72K1J-332JE	1	435033324R1	

PCB2	R411	C-CARBON R	RN72K1J-332JE	1	435033324R1	
PCB2	R412	C-CARBON R	RN72K1J-332JE	1	435033324R1	
PCB2	R413	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R414	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R415	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R416	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R417	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R418	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R419	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R420	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R421	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R422	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R423	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R424	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB2	R425	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R426	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R427	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R428	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R429	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R430	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R431	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R432	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R433	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R434	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R435	C-CARBON R	RN72K1J-472JE	1	435034724R1	

PCB2	R436	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R437	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R438	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R439	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R440	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R441	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R442	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R443	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R444	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R445	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R446	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R447	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R448	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB2	R451	C-CARBON R	RN72K1J-047JE	1	435030474R1	
PCB2	R452	C-CARBON R	RN72K1J-047JE	1	435030474R1	
PCB2	R609	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R610	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MDD, MDC>
PCB2	R610	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MWO, MWF>
PCB2	R612	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB2	R617	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R618	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB2	R620	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MDD, MDC>
PCB2	R621	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MWO, MWF>
PCB2	R629	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R630	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R631	C-CARBON R	RN72K1J-103JE	1	435031034R1	

PCB2	R632	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R635	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R636	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R646	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R647	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R666	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MDD, MDC>
PCB2	R671	C-CARBON R	RN72K1J-333JE	1	435033334R1	<MDD, MDC>
PCB2	R671	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MPP>
PCB2	R673	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB2	R676	C-CARBON R	RN72K1J-273JE	1	435032734R1	
PCB2	R677	C-CARBON R	RN72K1J-273JE	1	435032734R1	
PCB2	R678	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R693	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB2	R694	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB2	R695	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB2	R696	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB2	R703	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R704	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R710	C-CARBON R	RN72K1J-102JE	1	435031024R1	<MPP>
PCB2	R718	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R720	C-CARBON R	RN72K1J-102JE	1	435031024R1	<MPP>
PCB2	R721	C-CARBON R	RN72K1J-224JE	1	435032244R1	<MWO, MWF>
PCB2	R723	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R727	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R729	C-CARBON R	RN72K1J-000JE	1	435030004R1	

PCB2	R730	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB2	R731	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R732	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R733	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R734	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB2	R735	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB2	R736	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB2	R738	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R739	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R740	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R741	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R742	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R743	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R744	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R745	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R747	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB2	R748	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R749	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R750	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R751	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R753	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R754	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R765	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R766	C-CARBON R	RN72K1J-102JE	1	435031024R1	<MWO, MWF>
PCB2	R766	C-CARBON R	RN72K1J-102JE	1	435031024R1	<MPP>
PCB2	R767	C-CARBON R	RN72K1J-102JE	1	435031024R1	

PCB2	R768	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R769	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R770	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB2	R771	C-CARBON R	RN72K1J-563JE	1	435035634R1	<MDD, MDC>
PCB2	R771	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MWO, MWF>
PCB2	R771	C-CARBON R	RN72K1J-103JE	1	435031034R1	<MPP>
PCB2	R773	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB2	R775	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R776	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R777	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB2	R778	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R779	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R780	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R781	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB2	R789	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R790	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R791	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB2	R792	C-CARBON R	RN72K1J-472JE	1	435034724R1	
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	P101A	SOCKET	NSCT-13P2106	1	25052209	
PCB2	P2011	PLUG	NPLG-11P0966	1	25056016	
PCB2	P301A	SOCKET	NSCT-6P2186	1	25052289	

PCB2	P302A	SOCKET	NSCT-20P2200	1	25052303	
PCB2	P303A	SOCKET	NSCT-20P2200	1	25052303	
PCB2	P7001A	SOCKET	NSCT-29P2263	1	25052366	
PCB2	P7001A or	SOCKET	NSCT-29P2447	(1)	25052550	
PCB2	U131	PHT CP	GP1FAV51RK0F	1	24120129	
PCB2	U131 or	PHT CP	JSR1165-001recieving	(1)	24120143	
PCB2	U132	PHT CP	GP1FAV51RK0F	1	24120129	
PCB2	U132 or	PHT CP	JSR1165-001recieving	(1)	24120143	
PCB3	U05	DISPLAY PC BOARD (NADIS-8767-2A /2B / 2C)				
PCB3	U06	VIDEO PC BOARD (NAVD-8768--2A /2B / 2C)				
PCB3	U07	POWER SUPPLY PC BOARD (NAPS-8769-2A /2B / 2C)				
PCB3	U08	SWITCH PC BOARD (NASW-8770-2A /2B / 2C)				
PCB3	U09	HEADPHONE JACK PC BOARD (NAETC-8771-2A /2B / 2C)				
PCB3	U10	SWITCH PC BOARD (NAETC-8772-2B) <Note> MWO, MWF type only				
PCB3						
PCB3	CIRCUIT NO. PART NAME		DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
PCB3	U7212	REMO SENS	NJL34H380A	1	241365	
PCB3	Q1001	IC	TC74HCU04AP	1	222740046TOS	
PCB3	Q2001	TR	RN1241-A(TPE4_F)	1	2213631T	
PCB3	Q2001 or	TR	RN1241-B	(1)	2213632T	
PCB3	Q2002	TR	RN1241-A(TPE4_F)	1	2213631T	
PCB3	Q2002 or	TR	RN1241-B	(1)	2213632T	
PCB3	Q2003	TR	KRA102M	1	2215770T	
PCB3	Q2003 or	TR	DTA114ES	(1)	2213510T	
PCB3	Q2004	TR	KRA102M	1	2215770T	

PCB3	Q2004 or	TR	DTA114ES	(1)	2213510T	
PCB3	Q2005	TR	KTA1267-GR	1	2215995T	
PCB3	Q2005 or	TR	2SA933S-R	(1)	2213354T	
PCB3	Q2005 or	TR	2SA933S-S	(1)	2213355T	
PCB3	Q2021	IC	LA7956-E	1	22241759	
PCB3	Q2121	IC	NJM2585L	1	22242243	
PCB3	Q2122	TR	2SC1815-GR	1	2211255T	
PCB3	Q7001	FL TUBE	16-BT-128GNYK	1	212258A	
PCB3	Q7001A	HOLDER	(FL)	1	27191222C	
PCB3	Q7002	IC	M66005-0001AHP	1	22242208R3	
PCB3	Q7003	TR	2SC2458-GR	1	2212115T	
PCB3	Q7003 or	TR	KTC3199-GR	(1)	2215864T	
PCB3	Q7003 or	TR	2SC1740S-R	(1)	2213284T	
PCB3	Q7003 or	TR	2SC1740S-S	(1)	2213285T	
PCB3	Q901	IC	SI-3010KF	1	22242203	<MWO, MWF>
PCB3	D2001	DIODE	1SS133	1	223163T	
PCB3	D2002	DIODE	1SS133	1	223163T	
PCB3	D2121	ZENER D	MTZJ9.1C	1	224470913T	
PCB3	D2121 or	ZENER D	DZ-9.1BSC	(1)	224850913T	
PCB3	D7011	ZENER D	MTZJ8.2C	1	224470823T	
PCB3	D7011 or	ZENER D	DZ-8.2BSC	(1)	224850823T	
PCB3	D7201	LED	SLI-343URC-TE7	1	225449T	
PCB3	D921	DIODE	1SS133	1	223163T	
PCB3	D922	DIODE	1SS133	1	223163T	
PCB3	D923	DIODE	1SS133	1	223163T	

PCB3	D924	DIODE	1SS133	1	223163T	
PCB3	D925	DIODE	1SS133	1	223163T	
PCB3	D930	DIODE	1SS133	1	223163T	
PCB3	D931	DIODE	1SS133	1	223163T	
PCB3	D932	DIODE	1SS133	1	223163T	
PCB3	D933	DIODE	1SS133	1	223163T	
PCB3	D934	ZENER D	MTZJ5.1B	1	224470512T	
PCB3	D935	DIODE	1SS133	1	223163T	
PCB3	D951	DIODE	1SS133	1	223163T	
PCB3	D952	DIODE	1SS133	1	223163T	
PCB3	T902	P TRANS	NPT-1520JQ	1	2301812A	!, <MDD, MDC>
PCB3	T902	P TRANS	NPT-1520JQ	1	2301812A	!, <MWO, MWF>
PCB3	T902	P TRANS	NPT-1519GQ	1	2301811	!, <MPP>
PCB3	T902 or	P TRANS	NPT-1520GQ	(1)	2301813A	!, <MPP>
PCB3	L1001	CHOKE COIL	NCH-1561 022K	1	233526K022T	
PCB3	L1011	CHOKE COIL	NCH-1561 220K	1	233526K220T	
PCB3	L7011	CHOKE COIL	NCH-1561 220K	1	233526K220T	
PCB3	L7012	CHOKE COIL	NCH-1561 220K	1	233526K220T	
PCB3	L7501	CHOKE COIL	NCH-1561 022K	1	233526K022T	
PCB3	L7502	CHOKE COIL	NCH-1561 022K	1	233526K022T	
PCB3	L7503	CHOKE COIL	NCH-1561 022K	1	233526K022T	
PCB3	C1001	CERA C	CK45F50V-223Z	1	335622230T	
PCB3	C1002	CERA C	CC45SL50V-101J	1	345021014T	
PCB3	C1003	TF C	ECQ-B50V-103J	1	374721034T	
PCB3	C1004	CERA C	CC45SL50V-080D	1	345020802T	
PCB3	C1011	VR C	CE04W6.3V-220M(VR)	1	394622217T	

PCB3	C1012	CERA C	CK45F50V-223Z	1	335622230T	
PCB3	C2001	CERA C	CK45B50V-102K	1	335321025T	
PCB3	C2002	CERA C	CK45B50V-102K	1	335321025T	
PCB3	C2011	VR C	CE04W16V-470M(VR)	1	394644717T	
PCB3	C2012	VR C	CE04W50V-2.2M(VR)	1	394680227T	
PCB3	C2013	VR C	CE04W50V-2.2M(VR)	1	394680227T	
PCB3	C2014	VR C	CE04W16V-470M(VR)	1	394644717T	
PCB3	C2015	VR C	CE04W50V-2.2M(VR)	1	394680227T	
PCB3	C2016	VR C	CE04W50V-2.2M(VR)	1	394680227T	
PCB3	C2021	VR C	CE04W35V-47M(VR)	1	394664707T	
PCB3	C2022	CERA C	CK45F50V-223Z	1	335622230T	
PCB3	C2101	CERA C	CK45B50V-102K	1	335321025T	
PCB3	C2102	CERA C	CK45B50V-102K	1	335321025T	
PCB3	C2111	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C2112	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C2113	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C2114	VR C	CE04W50V-2.2M(VR)	1	394680227T	
PCB3	C2115	VR C	CE04W50V-1M(VR)	1	394680107T	
PCB3	C2116	VR C	CE04W50V-1M(VR)	1	394680107T	
PCB3	C2117	VR C	CE04W50V-2.2M(VR)	1	394680227T	
PCB3	C2118	VR C	CE04W50V-1M(VR)	1	394680107T	
PCB3	C2119	VR C	CE04W50V-1M(VR)	1	394680107T	
PCB3	C2120	VR C	CE04W50V-2.2M(VR)	1	394680227T	
PCB3	C2121	VR C	CE04W50V-1M(VR)	1	394680107T	
PCB3	C2122	VR C	CE04W50V-1M(VR)	1	394680107T	

PCB3	C2123	VR C	CE04W35V-47M(VR)	1	394664707T	
PCB3	C2124	VR C	CE04W16V-100M(VR)	1	394641017T	
PCB3	C2125	CERA C	CK45F50V-223Z	1	335622230T	
PCB3	C7001	VR C	CE04W16V-100M(VR)	1	394641017T	
PCB3	C7002	MMT C	MMT50V-104J	1	375521044T	
PCB3	C7003	VR C	CE04W50V-1M(VR)	1	394680107T	
PCB3	C7004	CERA C	CC45SL50V-101J	1	345021014T	
PCB3	C7005	CERA C	CC45SL50V-101J	1	345021014T	
PCB3	C7006	CERA C	CC45SL50V-101J	1	345021014T	
PCB3	C7007	CERA C	CC45SL50V-101J	1	345021014T	
PCB3	C7008	CERA C	CC45SL50V-101J	1	345021014T	
PCB3	C7009	CERA C	CK45F50V-223Z	1	335622230T	
PCB3	C7010	VR C	CE04W50V-220M(VR)	1	394682217T	
PCB3	C7011	CERA C	CK45F50V-223Z	1	335622230T	
PCB3	C7012	CERA C	CK45F50V-223Z	1	335622230T	
PCB3	C7013	CERA C	CK45F50V-223Z	1	335622230T	
PCB3	C7014	CERA C	CK45F50V-223Z	1	335622230T	
PCB3	C7016	VR C	CE04W50V-220M(VR)	1	394682217T	
PCB3	C7051	MMT C	MMT50V-104J	1	375521044T	
PCB3	C7052	MMT C	MMT50V-104J	1	375521044T	
PCB3	C7053	MMT C	MMT50V-104J	1	375521044T	
PCB3	C7211	VR C	CE04W16V-100M(VR)	1	394641017T	
PCB3	C7213	CERA C	CK45B50V-102K	1	335321025T	
PCB3	C7401	CERA C	CK45F50V-103Z	1	335621030T	
PCB3	C7402	CERA C	CK45F50V-103Z	1	335621030T	
PCB3	C7501	CERA C	CK45B50V-102K	1	335321025T	

PCB3	C7502	CERA C	CK45B50V-102K	1	335321025T	
PCB3	C7503	CERA C	CK45B50V-102K	1	335321025T	
PCB3	C7504	CERA C	CK45B50V-102K	1	335321025T	
PCB3	C901	IS C	LE103-C3.5	1	3800042S	!
PCB3	C901 or	IS C	RE275V-103M	(1)	3500196S	!
PCB3	C902	CERA C	CK45F50V-103Z	1	335621030T	
PCB3	C905	VR C	CE04W50V-10M(VR)	1	394681007T	<MWO, MWF>
PCB3	C907	VR C	CE04W16V-100M(VR)	1	394641017T	<MWO, MWF>
PCB3	C922	VR C	CE04W16V-2200M(VR)	1	394642227S	<MDD, MDC>
PCB3	C922	VR C	CE04W35V-2200M(VR)	1	394662227S	<MWO, MWF>
PCB3	C922	VR C	CE04W16V-2200M(VR)	1	394642227S	<MPP>
PCB3	C930	VR C	CE04W35V-33M(VR)	1	394663307T	
PCB3	C933	VR C	CE04W50V-4.7M(VR)	1	394680477T	
PCB3	C951	CERA C	CC45SL50V-101J	1	345021014T	
PCB3	R1001	CARBON R	R16J-75	1	417347504T	
PCB3	R1002	CARBON R	R16J-10	1	417341004T	
PCB3	R1003	CARBON R	R16J-100K	1	417341044T	
PCB3	R1004	CARBON R	R16J-10K	1	417341034T	
PCB3	R2001	CARBON R	R16J-100K	1	417341044T	
PCB3	R2002	CARBON R	R16J-75	1	417347504T	
PCB3	R2003	CARBON R	R16J-75	1	417347504T	
PCB3	R2004	CARBON R	R16J-75	1	417347504T	
PCB3	R2005	CARBON R	R16J-75	1	417347504T	
PCB3	R2006	CARBON R	R16J-75	1	417347504T	
PCB3	R2007	CARBON R	R16J-75	1	417347504T	

PCB3	R2008	CARBON R	R16J-680K	1	417346844T	
PCB3	R2009	CARBON R	R16J-680K	1	417346844T	
PCB3	R2010	CARBON R	R16J-680K	1	417346844T	
PCB3	R2011	CARBON R	R16J-680K	1	417346844T	
PCB3	R2012	CARBON R	R16J-100K	1	417341044T	
PCB3	R2013	CARBON R	R16J-100K	1	417341044T	
PCB3	R2014	CARBON R	R16J-220	1	417342214T	
PCB3	R2101	CARBON R	R16J-100K	1	417341044T	
PCB3	R2102	CARBON R	R16J-100K	1	417341044T	
PCB3	R2103	CARBON R	R16J-100K	1	417341044T	
PCB3	R2104	CARBON R	R16J-75	1	417347504T	
PCB3	R2105	CARBON R	R16J-75	1	417347504T	
PCB3	R2106	CARBON R	R16J-75	1	417347504T	
PCB3	R2107	CARBON R	R16J-75	1	417347504T	
PCB3	R2108	CARBON R	R16J-75	1	417347504T	
PCB3	R2109	CARBON R	R16J-75	1	417347504T	
PCB3	R2110	CARBON R	R16J-75	1	417347504T	
PCB3	R2111	CARBON R	R16J-75	1	417347504T	
PCB3	R2112	CARBON R	R16J-75	1	417347504T	
PCB3	R2114	CARBON R	R16J-75	1	417347504T	
PCB3	R2115	CARBON R	R16J-75	1	417347504T	
PCB3	R2116	CARBON R	R16J-75	1	417347504T	
PCB3	R2121	CARBON R	R16J-56	1	417345604T	
PCB3	R2123	CARBON R	R16J-560	1	417345614T	
PCB3	R7001	CARBON R	R16J-100K	1	417341044T	
PCB3	R7004	CARBON R	R16J-27K	1	417342734T	

PCB3	R7005	CARBON R	R16J-3.3K	1	417343324T	
PCB3	R7006	CARBON R	R16J-3.3K	1	417343324T	
PCB3	R7007	CARBON R	R16J-220	1	417342214T	
PCB3	R7008	CARBON R	R16J-220	1	417342214T	
PCB3	R7011	CARBON R	R16J-220	1	417342214T	
PCB3	R7012	CARBON R	R16J-220	1	417342214T	
PCB3	R7013	CARBON R	R16J-100	1	417341014T	
PCB3	R7201	CARBON R	R16J-2.2K	1	417342224T	
PCB3	R7211	CARBON R	R16J-100	1	417341014T	
PCB3	R7212	CARBON R	R16J-1.2K	1	417341224T	
PCB3	R7301	CARBON R	R16J-330	1	417343314T	
PCB3	R7302	CARBON R	R16J-470	1	417344714T	
PCB3	R7303	CARBON R	R16J-560	1	417345614T	
PCB3	R7311	CARBON R	R16J-330	1	417343314T	
PCB3	R7312	CARBON R	R16J-470	1	417344714T	
PCB3	R7313	CARBON R	R16J-560	1	417345614T	
PCB3	R7314	CARBON R	R16J-820	1	417348214T	
PCB3	R7315	CARBON R	R16J-1.2K	1	417341224T	
PCB3	R7316	CARBON R	R16J-2.2K	1	417342224T	
PCB3	R7317	CARBON R	R16J-3.9K	1	417343924T	
PCB3	R7321	CARBON R	R16J-330	1	417343314T	
PCB3	R7322	CARBON R	R16J-470	1	417344714T	
PCB3	R7323	CARBON R	R16J-560	1	417345614T	
PCB3	R7324	CARBON R	R16J-820	1	417348214T	
PCB3	R7325	CARBON R	R16J-1.2K	1	417341224T	

PCB3	R7326	CARBON R	R16J-2.2K	1	417342224T	
PCB3	R7327	CARBON R	R16J-3.9K	1	417343924T	
PCB3	R7328	CARBON R	R16J-12K	1	417341234T	
PCB3	R7331	CARBON R	R16J-330	1	417343314T	
PCB3	R7332	CARBON R	R16J-470	1	417344714T	
PCB3	R7333	CARBON R	R16J-560	1	417345614T	
PCB3	R7334	CARBON R	R16J-820	1	417348214T	
PCB3	R7335	CARBON R	R16J-1.2K	1	417341224T	
PCB3	R7336	CARBON R	R16J-2.2K	1	417342224T	
PCB3	R7337	CARBON R	R16J-3.9K	1	417343924T	
PCB3	R7338	CARBON R	R16J-12K	1	417341234T	
PCB3	R7401	CARBON R	R16J-10K	1	417341034T	
PCB3	R7402	CARBON R	R16J-10K	1	417341034T	
PCB3	R7403	CARBON R	R16J-10K	1	417341034T	
PCB3	R7404	CARBON R	R16J-10K	1	417341034T	
PCB3	R901	METAL O R	RS1/2WBJ-56	1	443525604T	<MDD, MDC>
PCB3	R901	METAL O R	RS1/2WBJ-56	1	443525604T	<MPP>
PCB3	R905	CARBON R	R16J-100K	1	417341044T	<MWO, MWF>
PCB3	R906	CARBON R	R16J-100K	1	417341044T	<MWO, MWF>
PCB3	R907	CARBON R	R16J-82K	1	417348234T	<MWO, MWF>
PCB3	R908	CARBON R	R16J-10K	1	417341034T	<MWO, MWF>
PCB3	R934	CARBON R	R16J-100K	1	417341044T	
PCB3	RL901	RELAY	NRL-1P5A-DC9-179	1	25065669	!
PCB3	RL901A	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
PCB3	S7303	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7304	PUSH SW	NPS-111-S681	1	25035718T	

PCB3	S7307	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7311	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7312	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7313	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7315	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7316	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7317	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7318	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7319	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7321	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7322	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7323	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7324	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7325	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7326	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7327	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7328	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7329	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7331	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7332	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7333	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7334	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7335	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7336	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7337	PUSH SW	NPS-111-S681	1	25035718T	

PCB3	S7338	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7339	PUSH SW	NPS-111-S681	1	25035718T	
PCB3	S7401	R ENCODE	EC12E2425	1	25065655	
PCB3	S981	SLIDE SW	NSS-22157P	1	25065437	<MWO, MWF>
PCB3	P1001	PIN JACK	NPJ-1PDO554	1	25045772	
PCB3	P1001 or	PIN JACK	NPJ-1PDBL291	(1)	25045473	
PCB3	P2001	PIN JACK	NPJ-3PDYYY560	1	25045778	
PCB3	P2001 or	PIN JACK	NPJ-3PDYE158	(1)	25045299	
PCB3	P2002	PIN JACK	NPJ-3PDYYY560	1	25045778	
PCB3	P2002 or	PIN JACK	NPJ-3PDYE158	(1)	25045299	
PCB3	P2011A	SOCKET	NSCT-11P2191	1	25052294	
PCB3	P2101	PIN JACK	NPJ-9PDGLRGLRGLR563	1	25045781	
PCB3	P2102	PIN JACK	NPJ-3PDGLR623	1	25045844	
PCB3	P7001B	SOCKET	NSCT-29P2263	1	25052366	
PCB3	P7001B or	SOCKET	NSCT-29P2447	(1)	25052550	
PCB3	P7501	ST JACK	MSJ-064-05A SR	1	25045783	
PCB3	P901A	PLUG	1-1123724-2	1	25056402	!
PCB3	P901A or	PLUG	NPLG-2P631	(1)	25055675	!
PCB3	P902	PLUG	1-1123724-2	1	25056402	<MDD, MDC>
PCB3	P902 or	PLUG	NPLG-2P631	(1)	25055675	<MDD, MDC>
PCB3	P902	PLUG	1-1123724-2	1	25056402	<MPP>
PCB3	P902 or	PLUG	NPLG-2P631	(1)	25055675	<MPP>
PCB3	P904	CRIMP AS	CRIMP AS	1	2069943159UL	<MWO, MWF>
PCB3	P905	CRIMP AS	CRIMP-AS	1	2069943154UL	<MWO, MWF>
PCB3	P906	CRIMP AS	CRIMP-AS	1	2069943153UL	<MWO, MWF>
PCB3	P981	PLUG	1-1123724-5	1	25056579	<MWO, MWF>

PCB3	P981 or	PLUG	B5P9-VH	(1)	25056568	<MWO, MWF>
PCB3	E7501	RETAINER	MET37-0002	1	27142009T	
PCB3	E901	RETAINER	MET37-0002	1	27142009T	
PCB3	F901A	FUSE HOL	NSCT-1P2031	1	25052133T	!, <MDD, MDC>
PCB3	F901B	FUSE HOL	NSCT-1P2031	1	25052133T	!, <MDD, MDC>
PCB3	F902A	FUSE HOL	NSCT-1P2031	1	25052133T	!, <MWO, MWF>
PCB3	F902A	FUSE HOL	NSCT-1P2031	1	25052133T	!, <MPP>
PCB3	F902B	FUSE HOL	NSCT-1P2031	1	25052133T	!, <MWO, MWF>
PCB3	F902B	FUSE HOL	NSCT-1P2031	1	25052133T	!, <MPP>
PCB3	F903A	FUSE HOL	NSCT-1P2031	1	25052133T	!, <MWO, MWF>
PCB3	F903B	FUSE HOL	NSCT-1P2031	1	25052133T	!, <MWO, MWF>
PCB3	JL7101	JUMPER LEAD	JL7 150 H	1	---	NSP
PCB3	JL7101A	WIRE HOL	NSCT-7P898	1	25051111	
PCB3	JL7101B	WIRE HOL	NSCT-7P898	1	25051111	
PCB3	JL7102	JUMPER LEAD	JL5 100 H	1	---	NSP
PCB3	JL7102A	WIRE HOL	NSCT-5P896	1	25051109	
PCB3	JL7102B	WIRE HOL	NSCT-5P896	1	25051109	
PCB3	JL9003B	SOCKET	NSCT-5P97	1	25050269	

ONKYO CORPORATION

Sales & Product Planning Div. : 2-1, Nisshin-cho, Neyagawa-shi, OSAKA 572-8540, JAPAN
Tel: 072-831-8023 Fax: 072-831-8163

ONKYO U.S.A. CORPORATION

18 Park Way, Upper Saddle River, N.J. 07458, U.S.A.
Tel: 201-785-2600 Fax: 201-785-2650 <http://www.us.onkyo.com/>

ONKYO EUROPE ELECTRONICS GmbH

Liegnitzerstrasse 6, 82194 Groebenzell, GERMANY
Tel: +49-8142-4401-0 Fax: +49-8142-4401-555 <http://www.eu.onkyo.com/>

ONKYO EUROPE UK Office

Suite 1, Gregories Court, Gregories Road, Beaconsfield, Buckinghamshire, HP9 1HQ
UNITED KINGDOM Tel: +44-(0)1494-681515 Fax: +44(0)-1494-680452

ONKYO CHINA LIMITED

Units 2102-2107, Metroplaza Tower I, 223 Hing Fong Road, Kwai Chung,
N.T., HONG KONG Tel: 852-2429-3118 Fax: 852-2428-9039
<http://www.ch.onkyo.com/>

