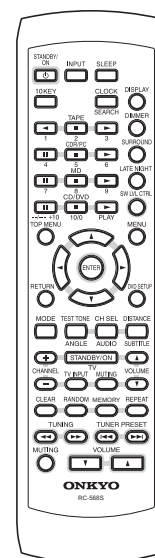
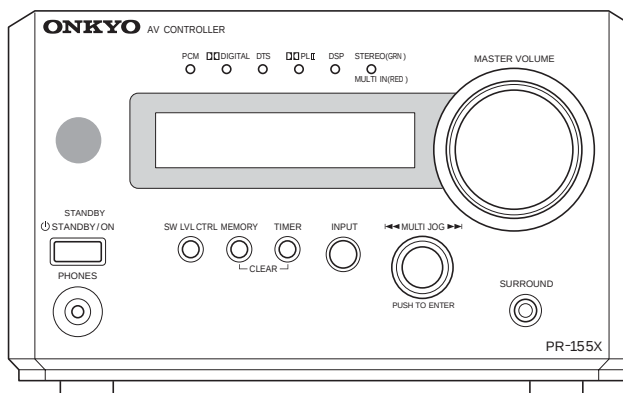


ONKYO SERVICE MANUAL

AV CONTROLLER MODEL PR-155X



RC-568S

Silver models

UPP	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.

SPECIFICATIONS

Amplifier section

Input Sensitivity and Impedance :	150 mV / 50 k Ω (LINE)
Output Level and Impedance :	1 V / 600 Ω (STEREO ,VOLUME MAX at max.)
Frequency Response :	120 Hz - 20 kHz : +1 / -3 dB (FL/FR/C/SL/SR) 20 Hz - 120 Hz : 0 / -3 dB (SW)

Tuner Section

Tuning Frequency Range :	FM 87.50 - 108.00 MHz, AM 522 - 1611 kHz
Frequency Response :	30 Hz - 15 kHz (± 1.5 dB)

General

Power Consumption :	15 W
Dimensions (W x H x D) :	155 x 94 x 288 mm
Weight :	2.0 kg

Audio inputs

Digital Inputs :	3 (OPTICAL) (DVD/CD, CDR/TAPE/TV/VIDEO, LINE/GAME)
Analog Inputs :	2 (MD, CDR/TAPE/TV/VIDEO)
Multichannel Inputs :	1 (FL, FR, C, SL, SR, SW) FL/FR input jacks are common to DVD/CD L and R

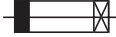
Audio outputs

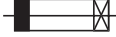
Analog Outputs :	2 (MD, CDR/TAPE/TV/VIDEO)
Pre Outputs :	FL, FR, C, SL, SR, SW
Phones :	1

Specifications and features are subject to change without notice.

SERVICE PROCEDURES-1

1. Replacing the fuses

 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, n'utiliser que des fusibles de meme type. Ce dernier est indique la qu le present symbol est appose.

REF NO.	DESCRIPTION	PART NO.
F901	0.5A-SE-EAKW	252063
F901 or	500MA-SE-TL250V	252268

2. To initialize the unit

This device employs a microprocessor to perform various functions and operations. If interference generated by an external power supply, radio wave, or other electrical source results in accident which causes the specified operations and functions to operate abnormally. To perform a result, please follow the procedure below.

1. Press and the hold down the INPUT button, then press the STANDBY/ON button when the unit is Power ON.
2. After " *C l e a r* " is displayed, the preset memory and each mode stored in the memory, are initialized and will return to the factory settings.

3. To check version of microprocessor.

Only Main microprocessor Q7001

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

<ex.>

V040805A

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

4. Memory backup

The PR-155X uses a battery-less memory backup system in order to retain radio presets and other settings when it's unplugged or in the case of a power failure.

Although no batteries are required, the PR-155X must be plugged into an AC outlet in order to charge the backup system. Once it has been charged, the PR-155X will retain the settings for several weeks, although this depends on the environment and will be shorter in humid climates.

However, the clock and timer settings are cancelled.

OPERATION CHECK

DSP DEBUG MODE

Regarding the DSP DEBUG MODE

In this test mode, the check with normal communication of a microcomputer and the data of DSP and DIR is possible.
This information is a help to find the cause of failure.

<How to go in DSP DEBUG MODE>

1. Press and hold down the SW LVL CTRL button and then press the STANDBY/ON button when the unit is power on.

FL Tube
<ex.>

V040508A

2. Press the SW LVL CTRL button while "V040508A" is shown.

PR155X E

3. Press the SW LVL CTRL button while "PR155X E" is shown.

If you fail to do this time, return to step-1.

DBG MODE

0.5 sec.
→

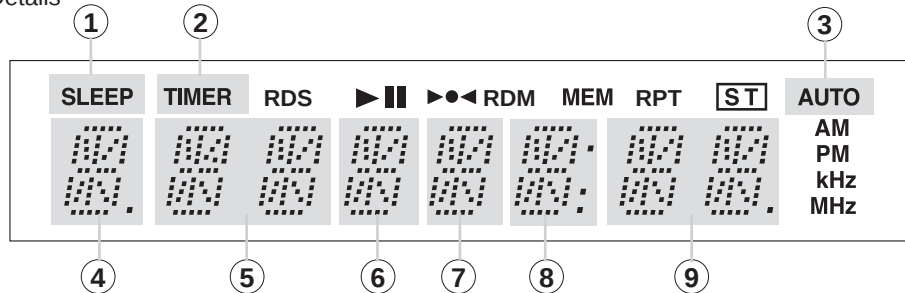
1 -- 0 - H 2 3

<How to Exit>

Press the STANDBY/ON button.

<Explanation of each parameter>

Details



① DIR UNLOCK

Turn on "SLEEP" indicator = Lock

② PreEmphasis

Turn on "TIMER" indicator = Lock

③ DSP Decode

Turn on "AUTO" indicator = Normal

④ Digital Selector

A=ANALOG

1 = RX1

2 = RX2

3 = RX3

4 = RX4

⑤ Sampling Frequency

96 = 96kHz

48 = 48kHz

44 = 44kHz

32 = 32kHz

-- = Not detect

⑥ DIR Status

0 = PCM/ANALOG

2 = DTS-CD

5 = DD(DOLBY DIGITAL)/DTS/AAC

⑦ MEMORY Adress

0 = DD(DOLBY DIGITAL)

+ PLII(PROLOGIC II)

2 = DTS

4 = AAC

5 = AAC + PLII(PROLOGIC II)

6 = COS

7 = Mode for Factory test

⑧ ROM/RAM Select/Download Status

H = RAM(AutoBoot complete)

L = ROM(Under Autoboot)

⑨ DSP Detect Format

[IEC61937]

00 = Null

01 = Dolby Digital

03 = Pause

04 = MPEG1 L1

05 = MPEG1 L23/MPEG2 w/o

06 = MPEG2 w/o

07 = MPEG2 AAC

0B = DTS1

0C = DTS2

0D = DTS3

1B = MPEG2 AAC1

1C = MPEG2 AAC2

[Except IEC61937]

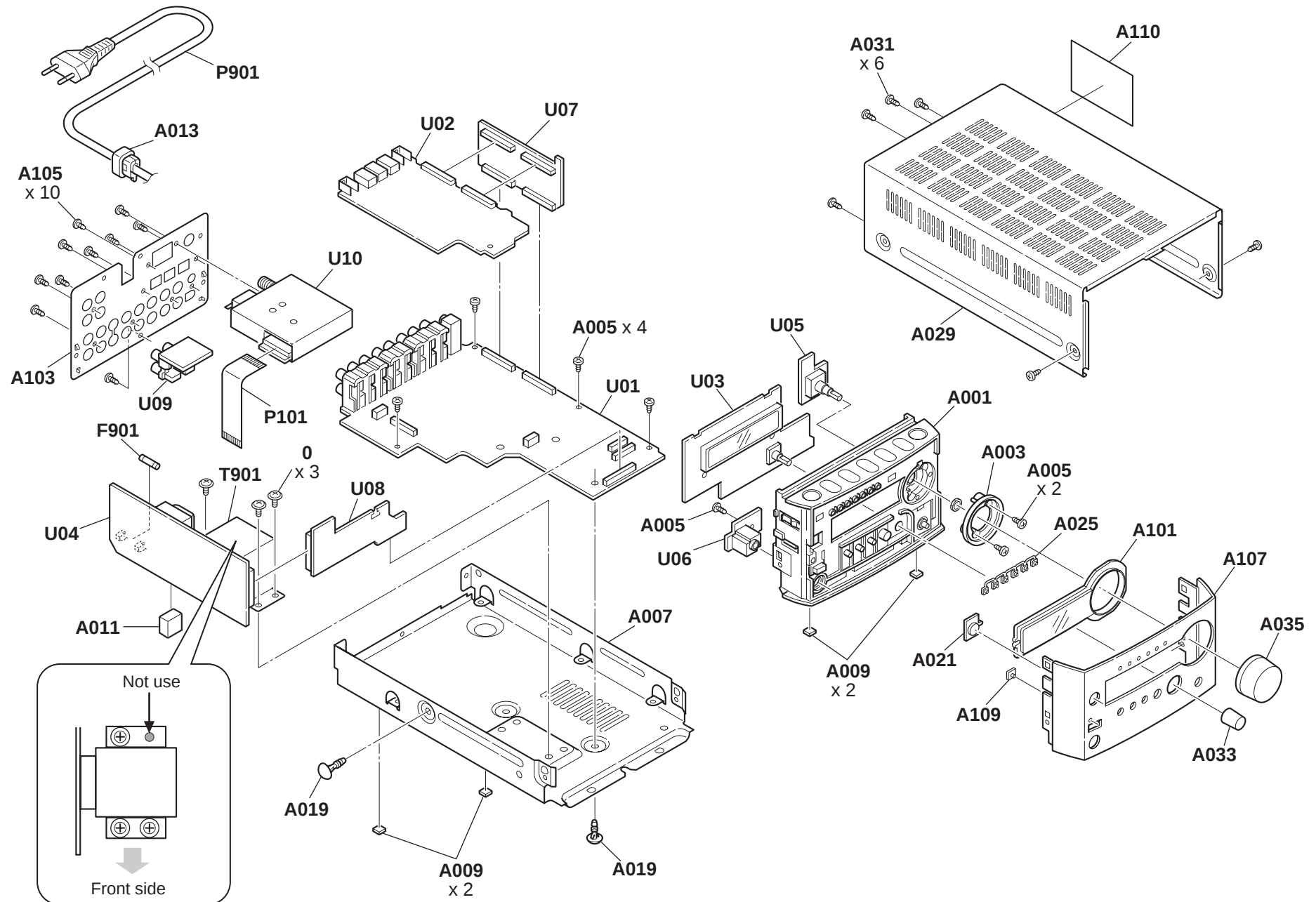
20 = Silent

21 = DTS LD

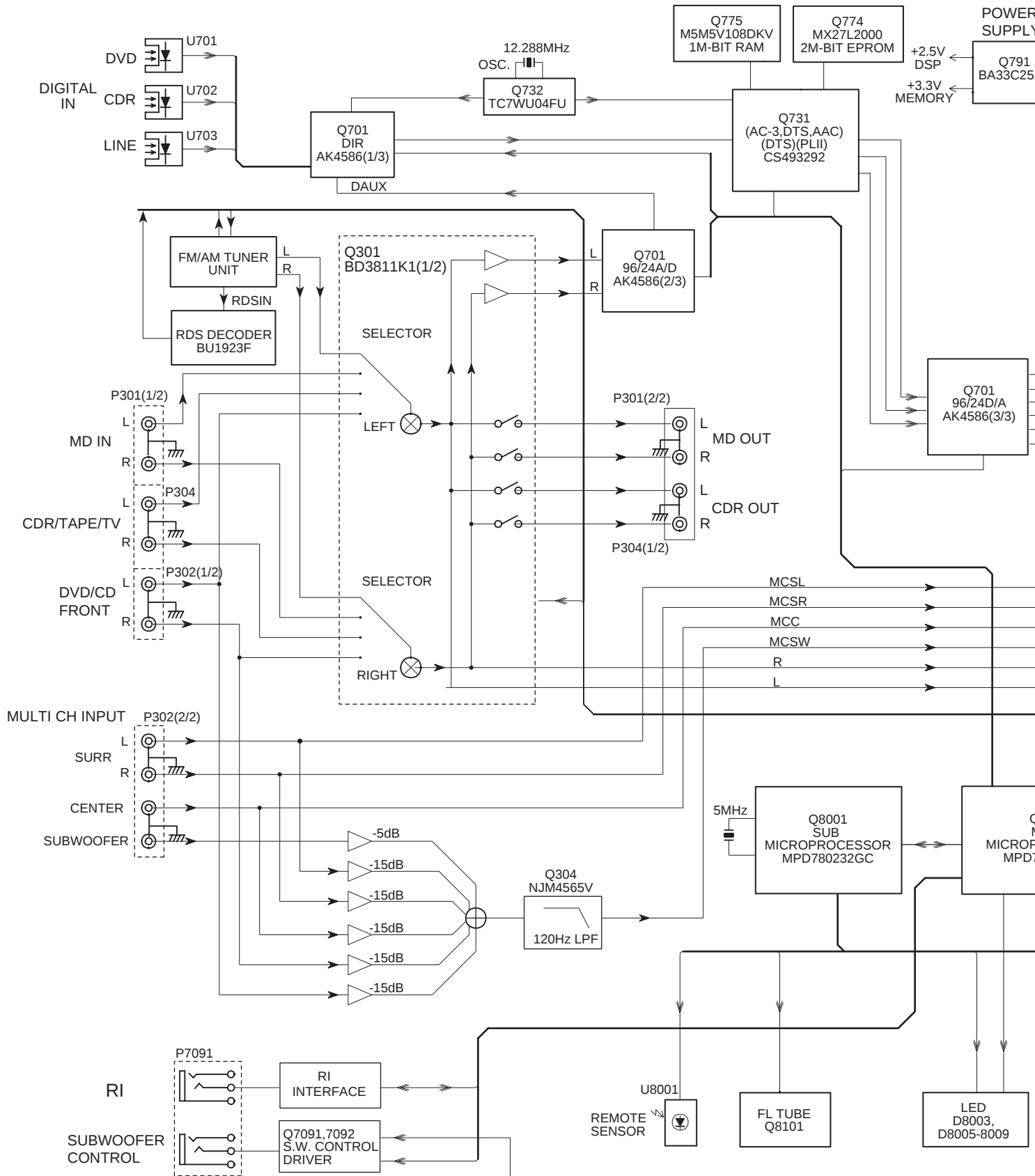
22 = DTS CD

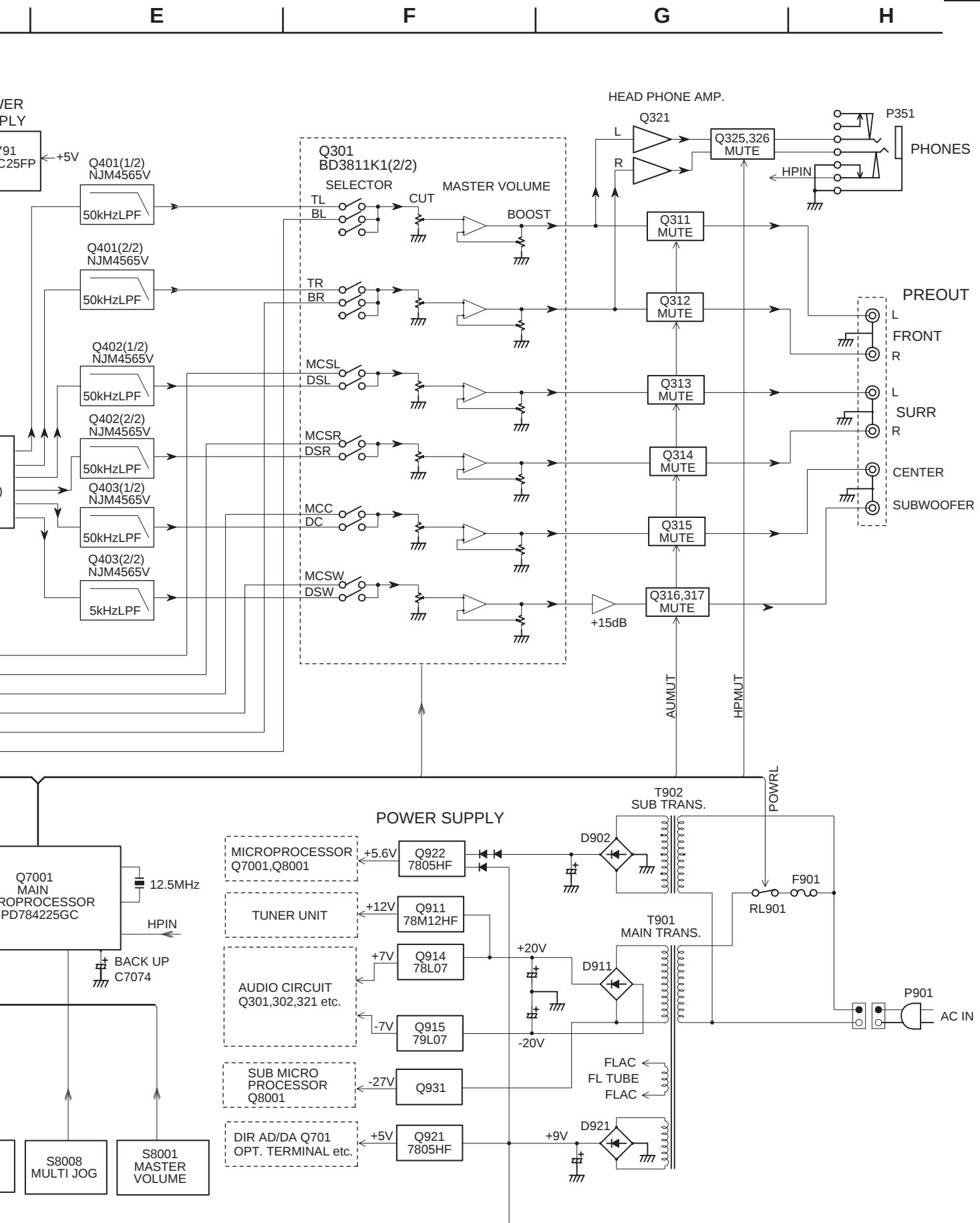
23 = PCM

EXPLODED VIEW

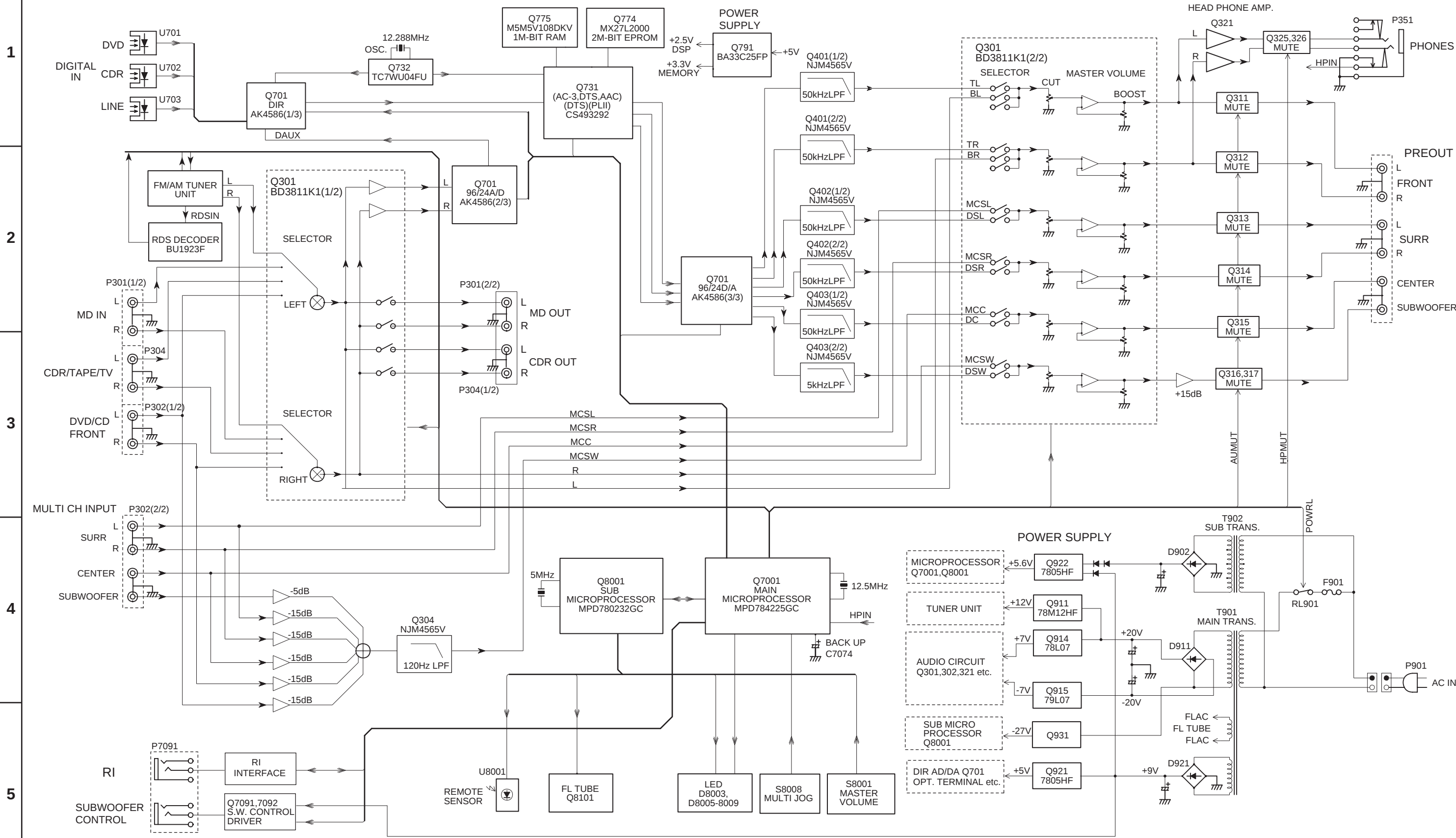


BLOCK DIAGRAM





BLOCK DIAGRAM

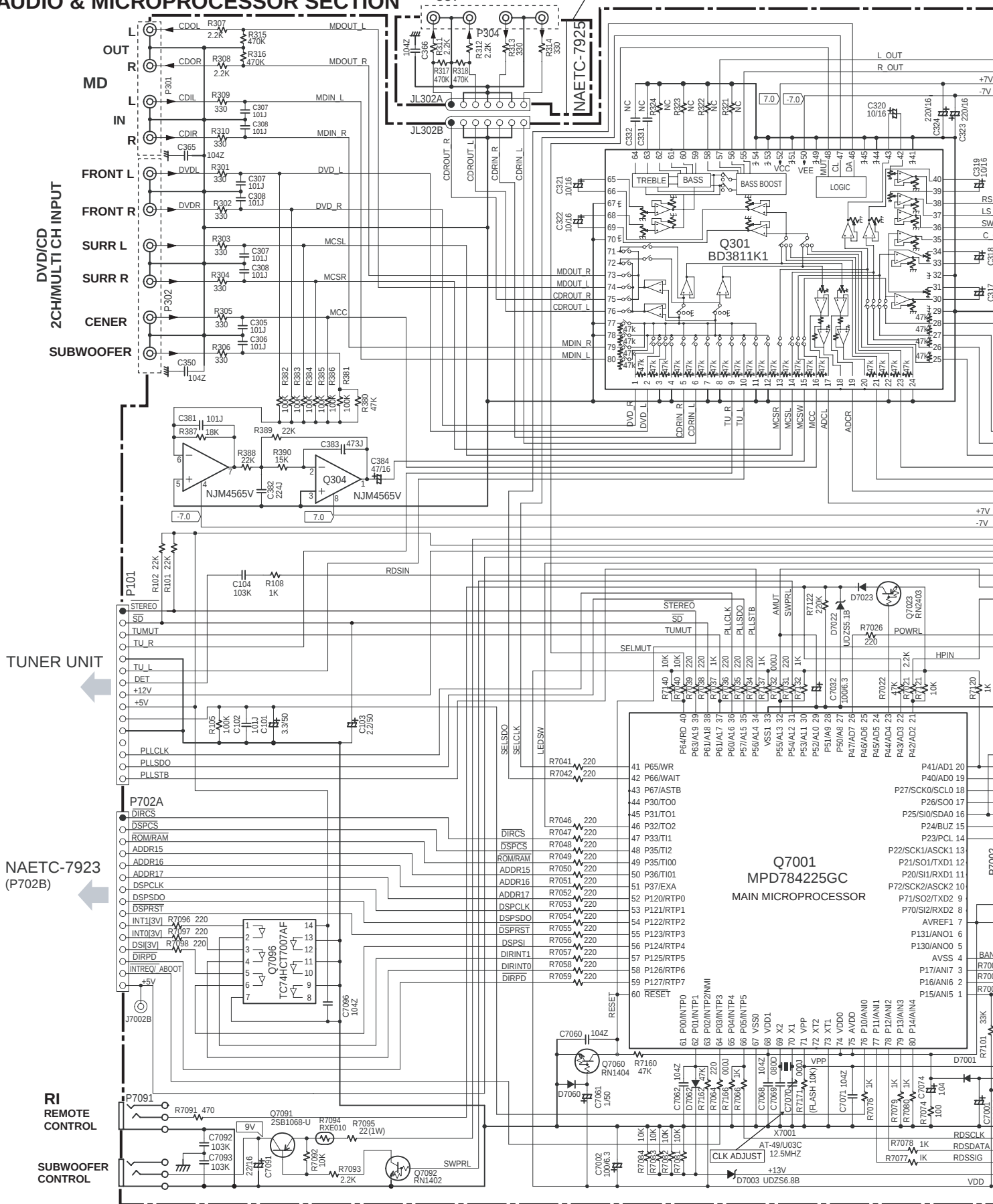


SCHEMATIC DIAGRAMS-1

AUDIO & MICROPROCESSOR SECTION

CDR/TAPE/TV/VIDEO

U9 CDR TERMINAL PC BOARD



E

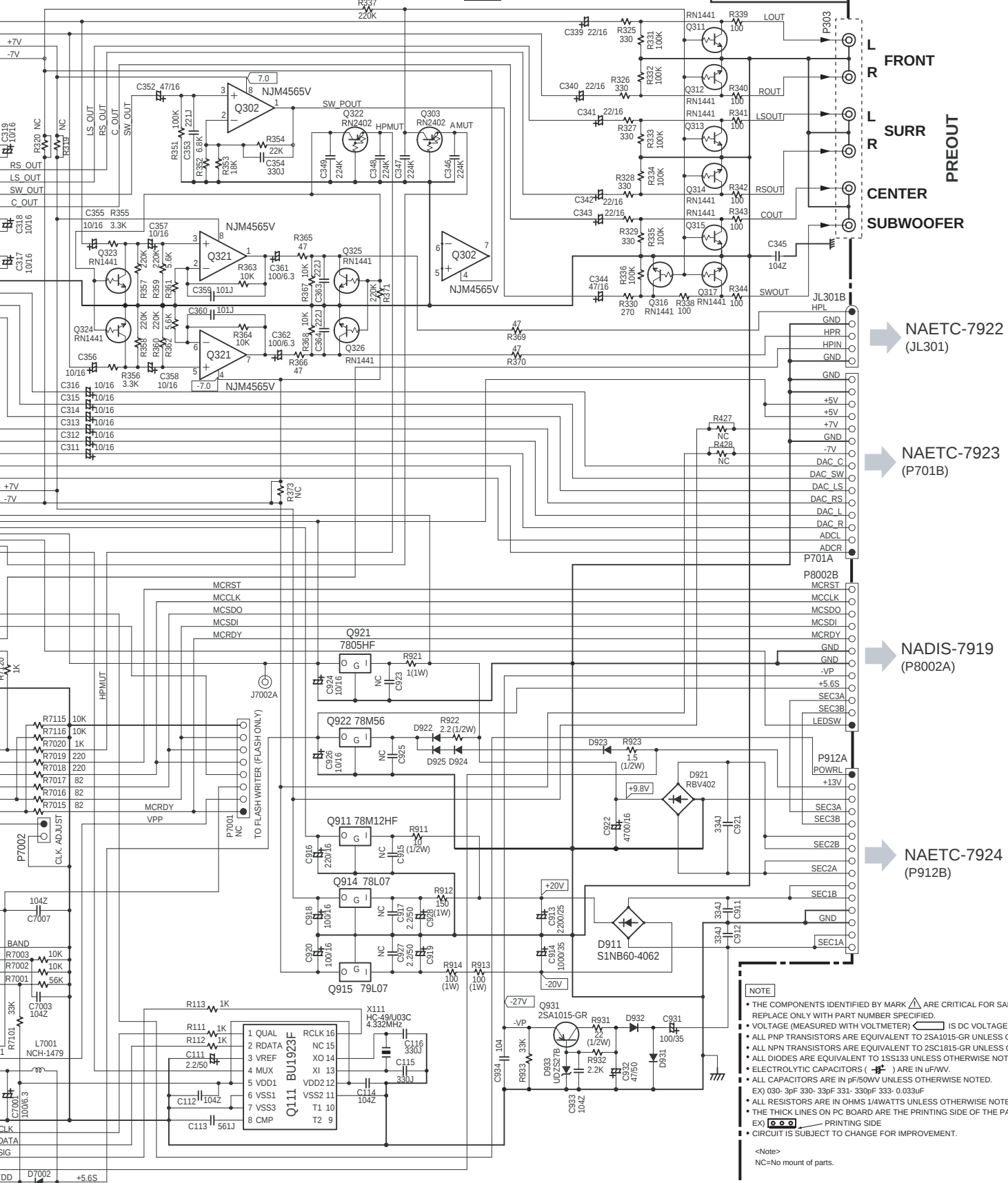
F

G

H

U1 MAIN PC BOARD

NAAR-7917

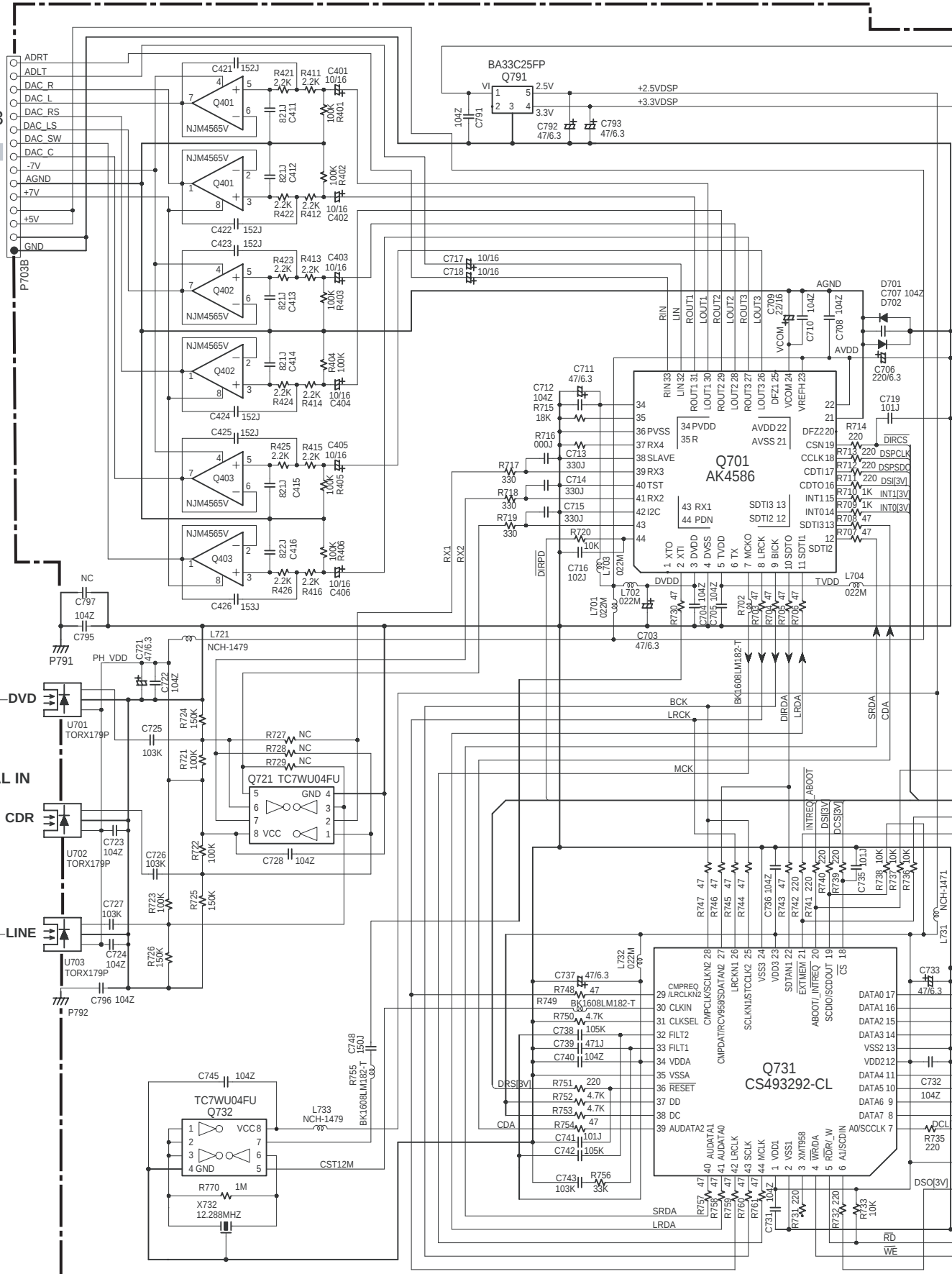


SCHEMATIC DIAGRAMS-2

DSP SECTION

NAETC-7923
(P703A)

DIGITAL IN



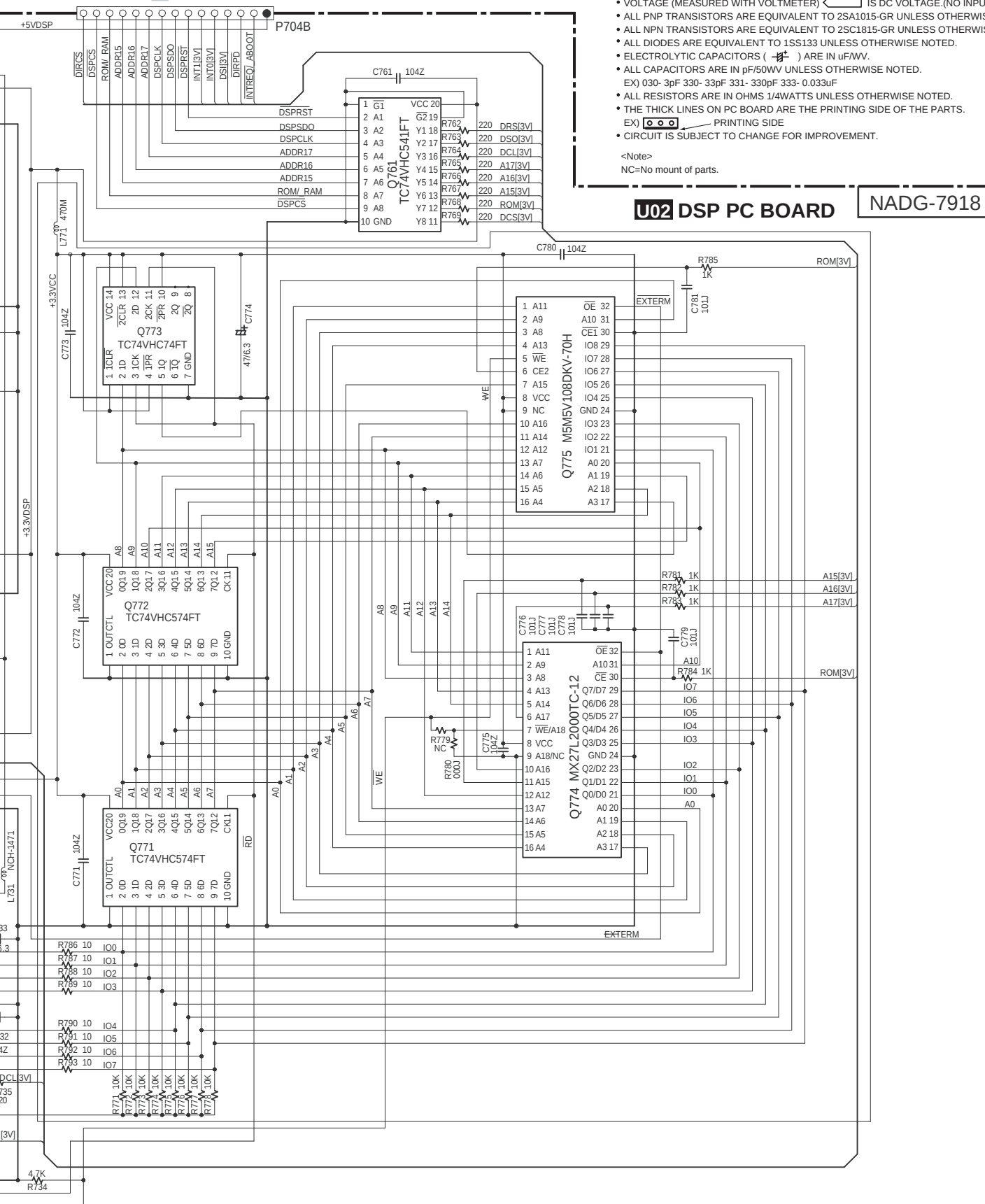
E

F

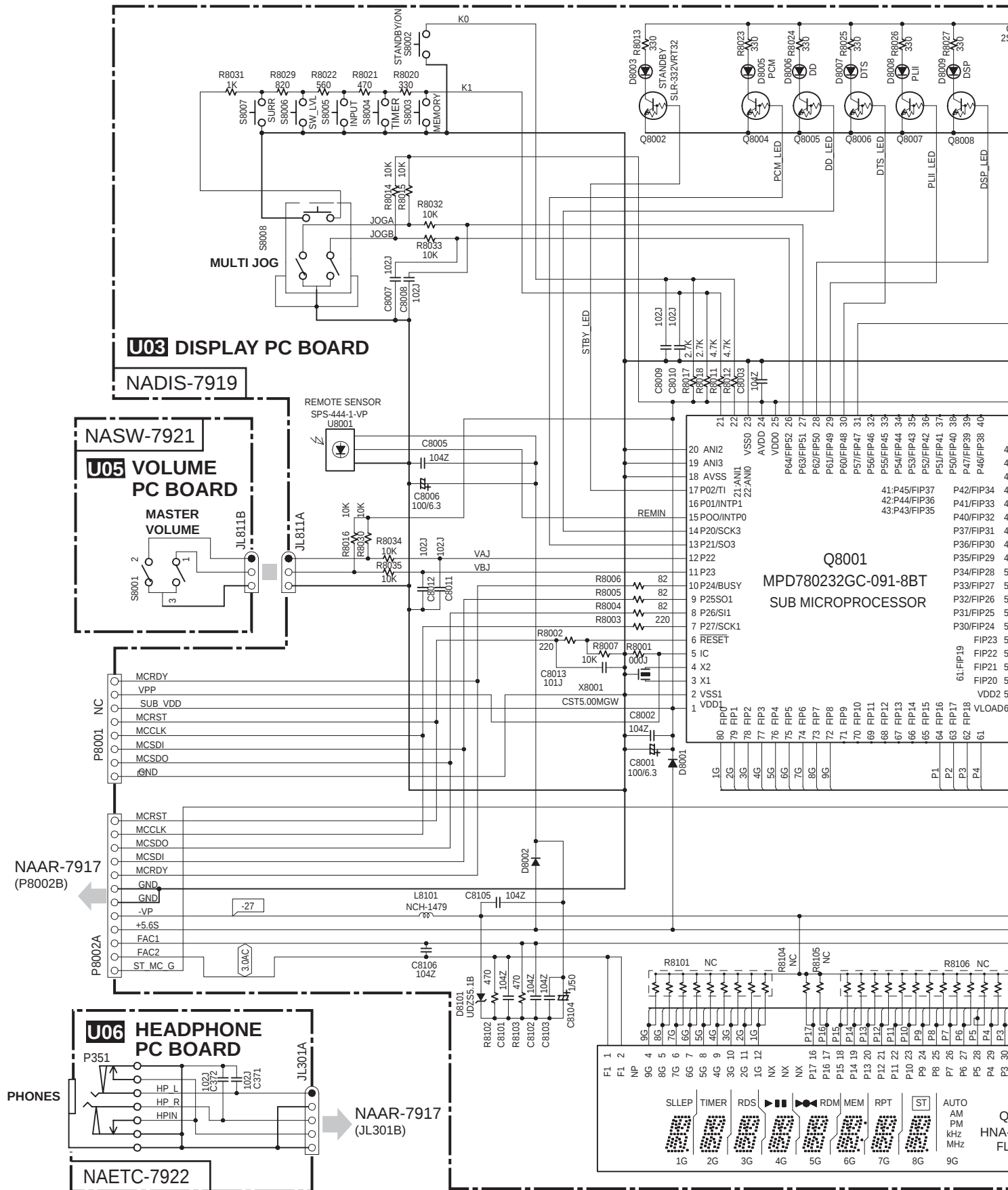
G

H

NAETC-7923 (P703A)



5

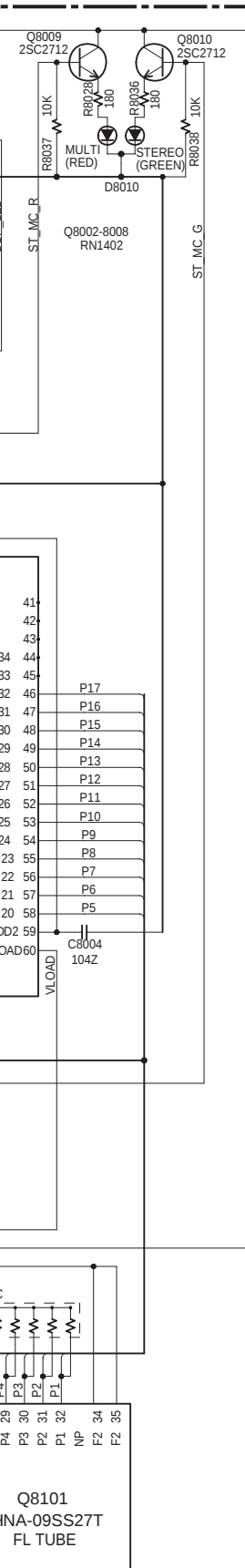


E

F

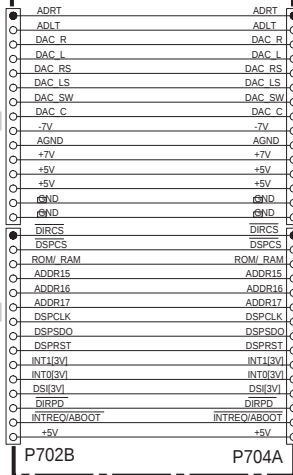
G

H



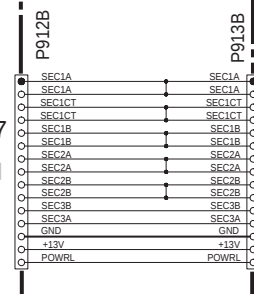
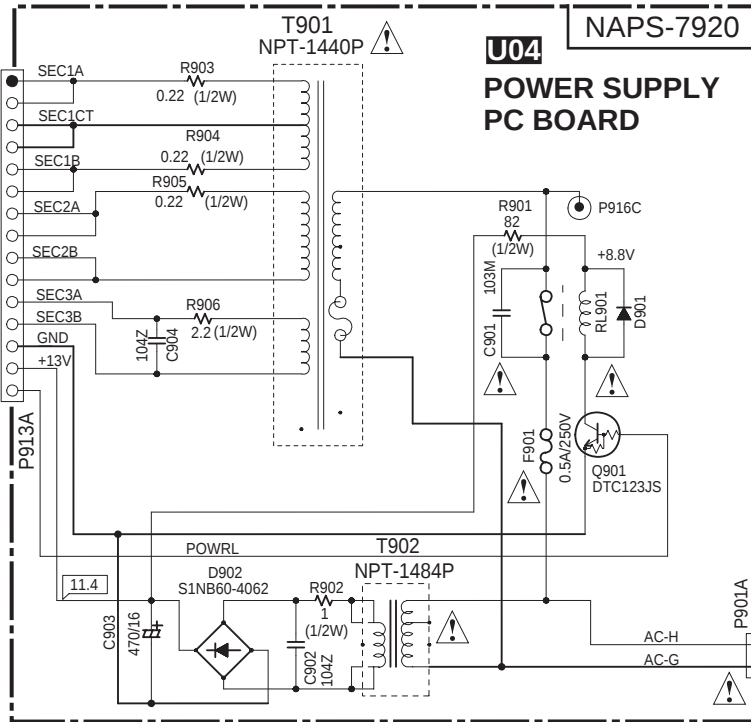
NAETC-7923

U07 TERMINAL PC BOARD

NAAR-7917
(P701A)NADG-7918
(P703B)NAAR-7917
(P702A)NADG-7918
(P703B)

NAETC-7924

U08 TERMINAL PC BOARD

NAPS-7920
(P913A)NAETC-7924
(P913B)

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, N'UTILISER
QUE DES FUSIBLES DE MEME TYPE. CE DERNIER EST
INDIQUE LA QU LE PRESENT SYMBOLE EST APPOSE.

NOTE

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

<Note>

NC=No mount of parts.

SCHEMATIC DIAGRAMS-1

AUDIO & MICROPROCESSOR SECTION

CDR/TAPE/TV/VIDEO OUT IN

U9 CDR TERMINAL PC BOARD

U1 MAIN PC BOARD

NAAR-7917

1

2

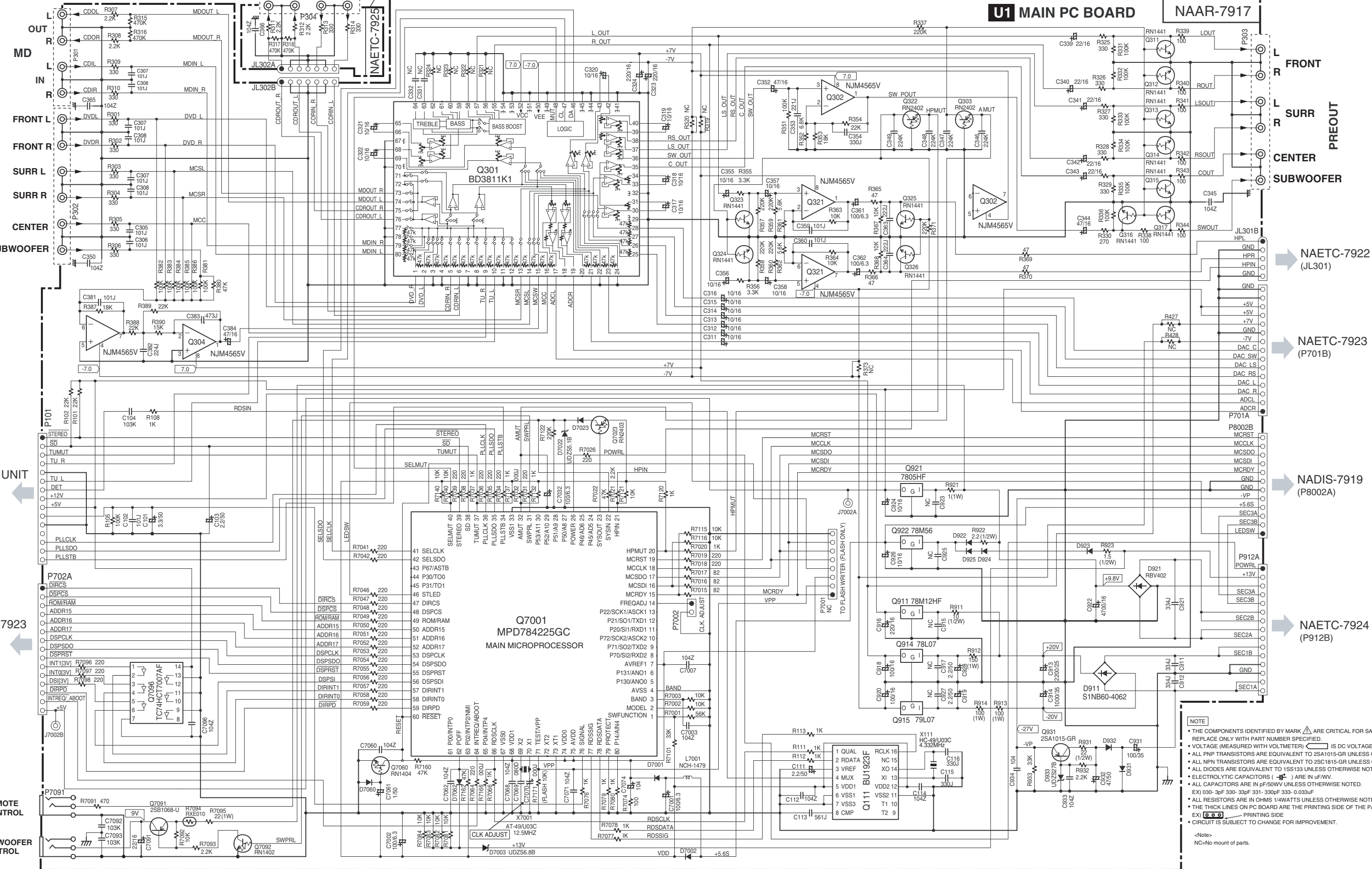
3

4

5

DVD/CD
2CHMULTI-CH INPUT

TUNER UNIT

NAETC-7923
(P702B)RI
REMOTE CONTROLSUBWOOFER
CONTROL

DSP SECTION

1

NAETC-7923
(P703A)

2

3

4

5

NAETC-7923 (P703A)

NOTE

- THE COMPONENTS IDENTIFIED BY MARK  ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
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 - ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
 - ELECTROLYTIC CAPACITORS () ARE IN uF/5V.
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- 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
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<Note>
NC=No mount of parts.

U02 DSP PC BOARD

NADG-7918 !

SCHEMATIC DIAGRAMS-3

DISPLAY & POWER SUPPLY SECTION

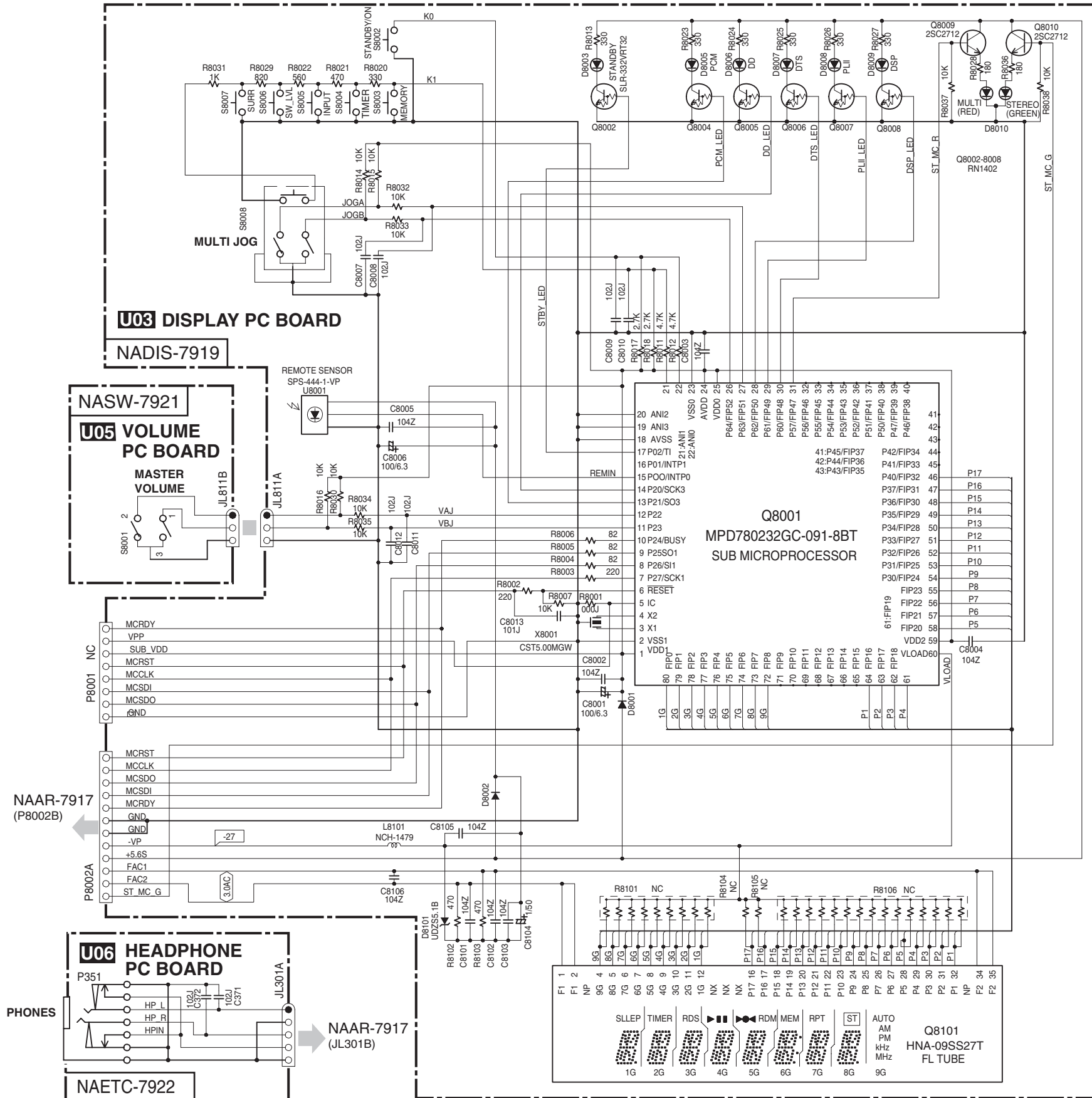
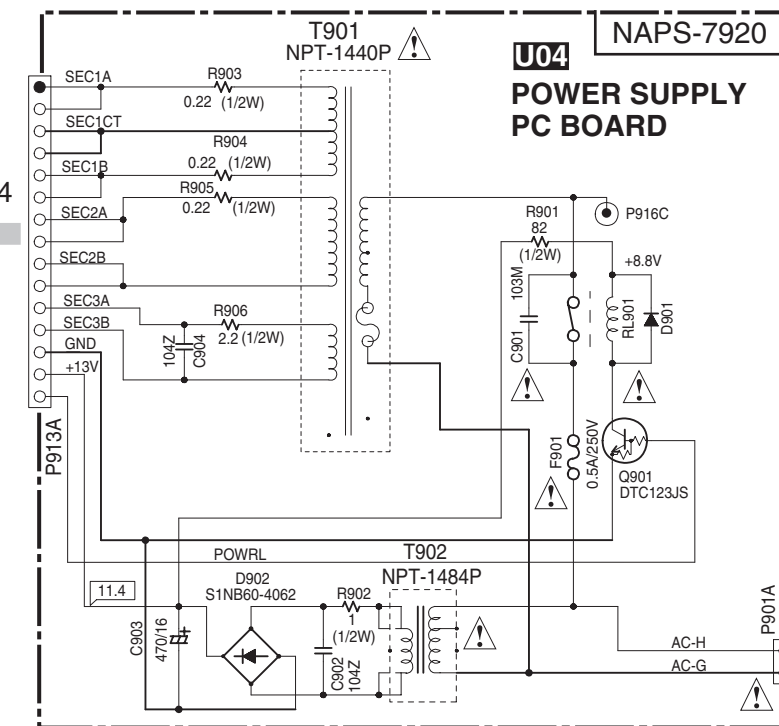
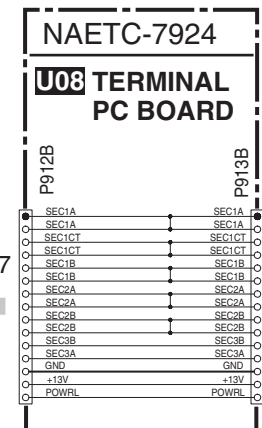
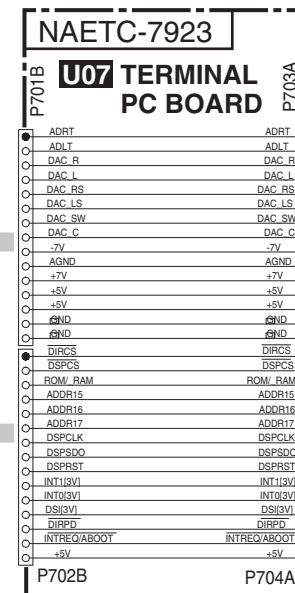
1

2

3

4

5

NAAR-7917
(P701A)NAAR-7917
(P702A)NAETC-7924
(P913B)NADG-7918
(P703B)NAAR-7917
(P912A)NADG-7918
(P703B)NAPS-7920
(P913A)

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.



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QUE DES FUSIBLES DE MEME TYPE. CE DERNIER EST
INDIQUE LA QU LE PRESENT SYMBOLE EST APPOSE.

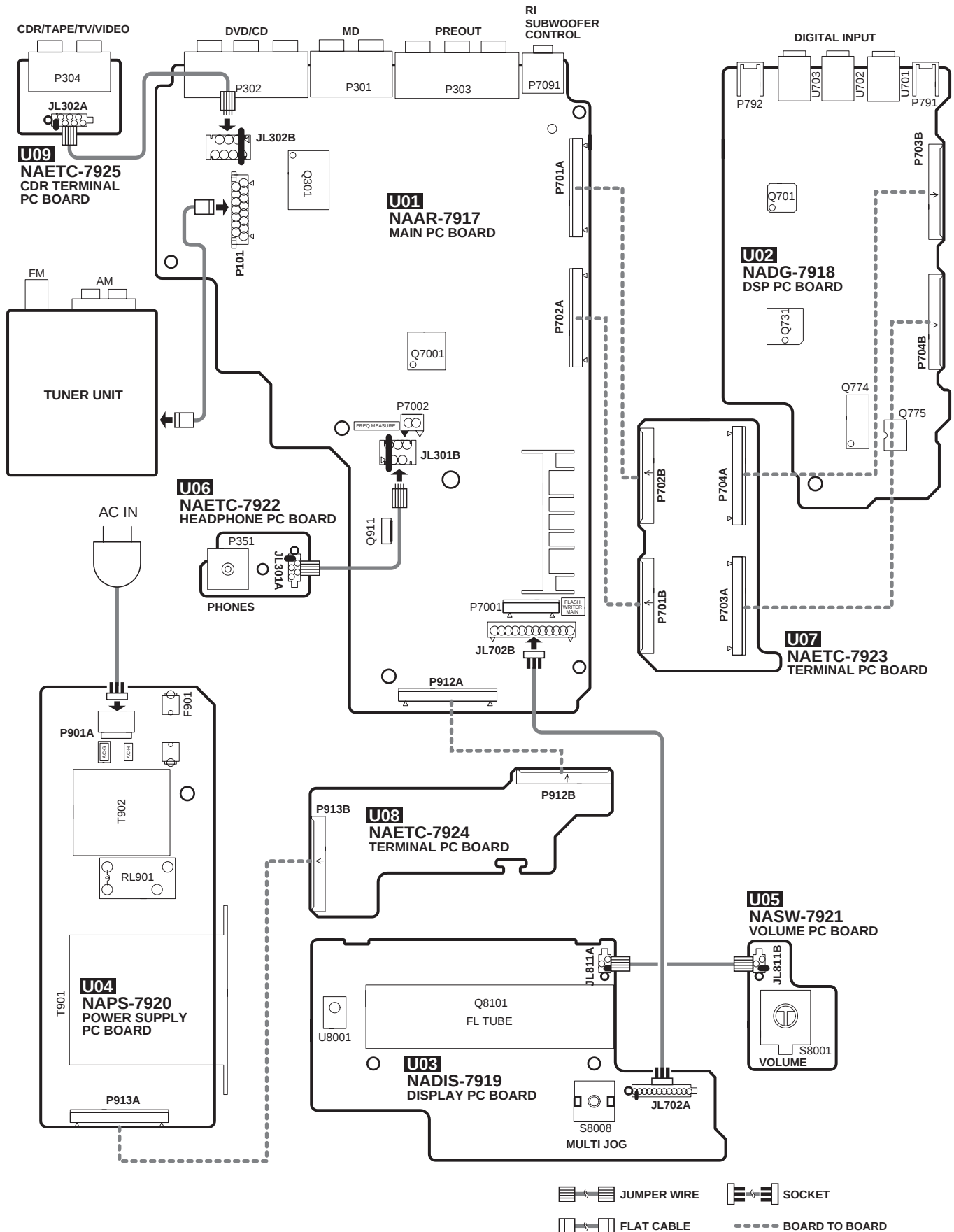
NOTE

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EX) 030-3pF 330-33pF 331-330pF 333-0.03uF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
EX) PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

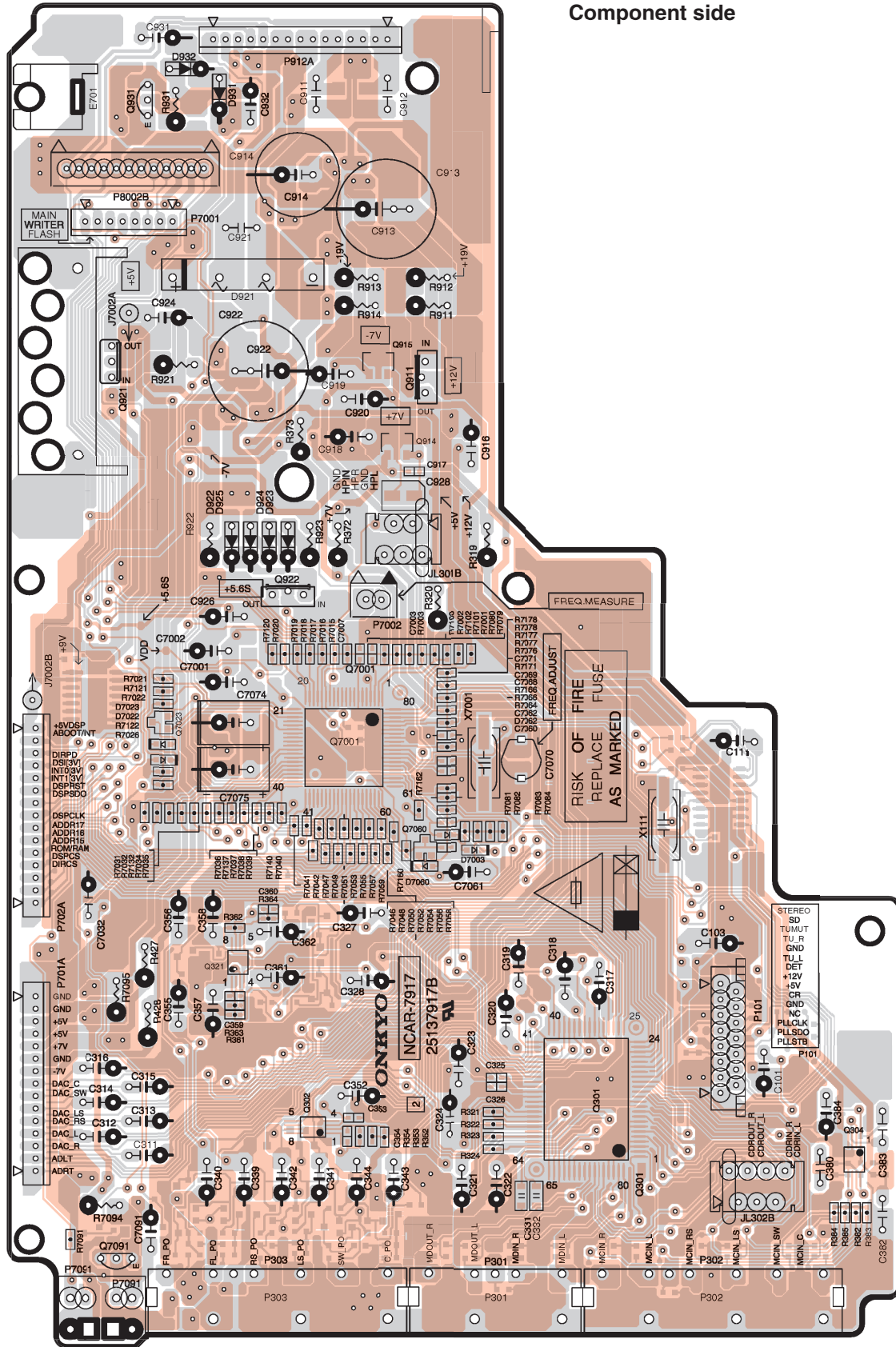
<Note>

NC=No mount of parts.

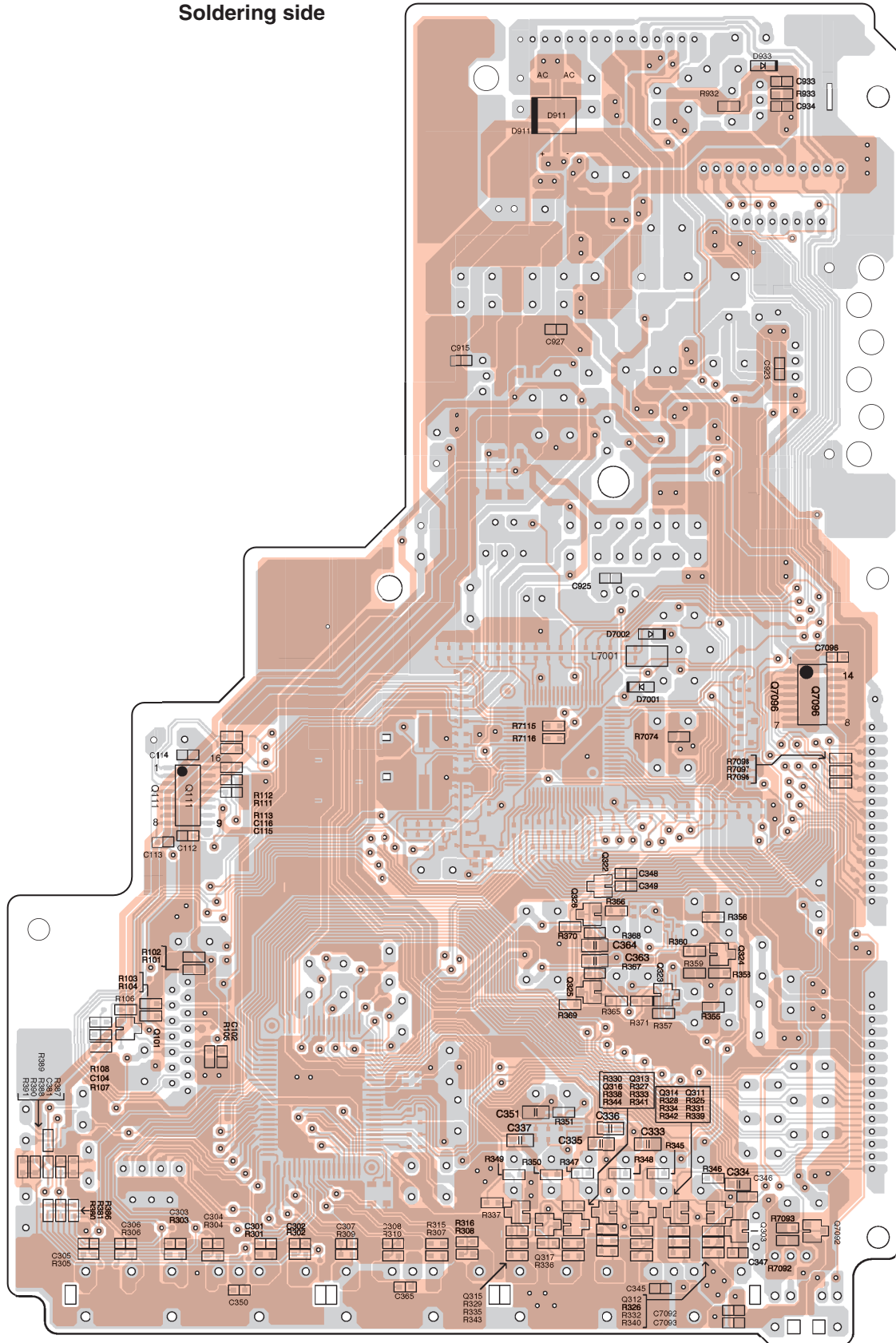
PC BOARD CONNECTION DIAGRAM



Component side



Soldering side



A

B

C

D

PRINTED CIRCUIT BOARD VIEWS-3

1

U02 DSP PC BOARD (NADG-7918)

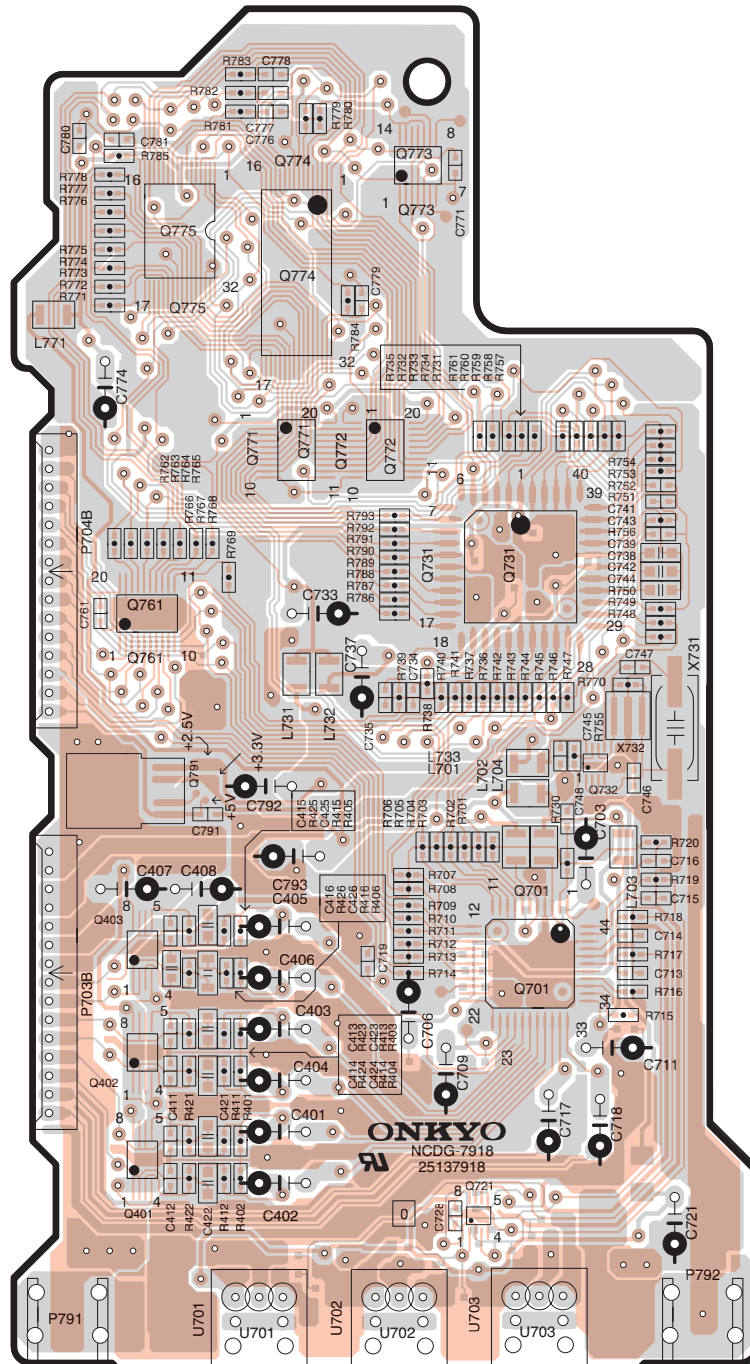
Component side

2

3

4

5



A

B

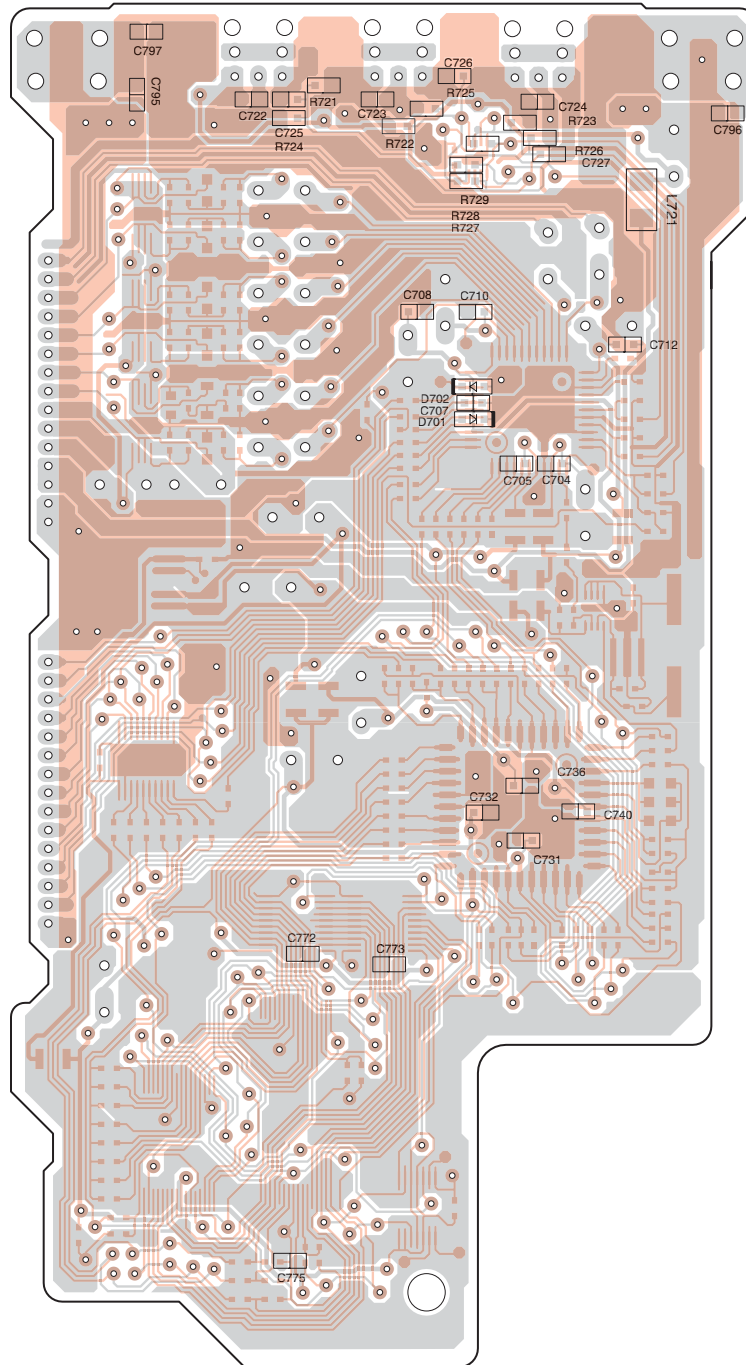
C

D

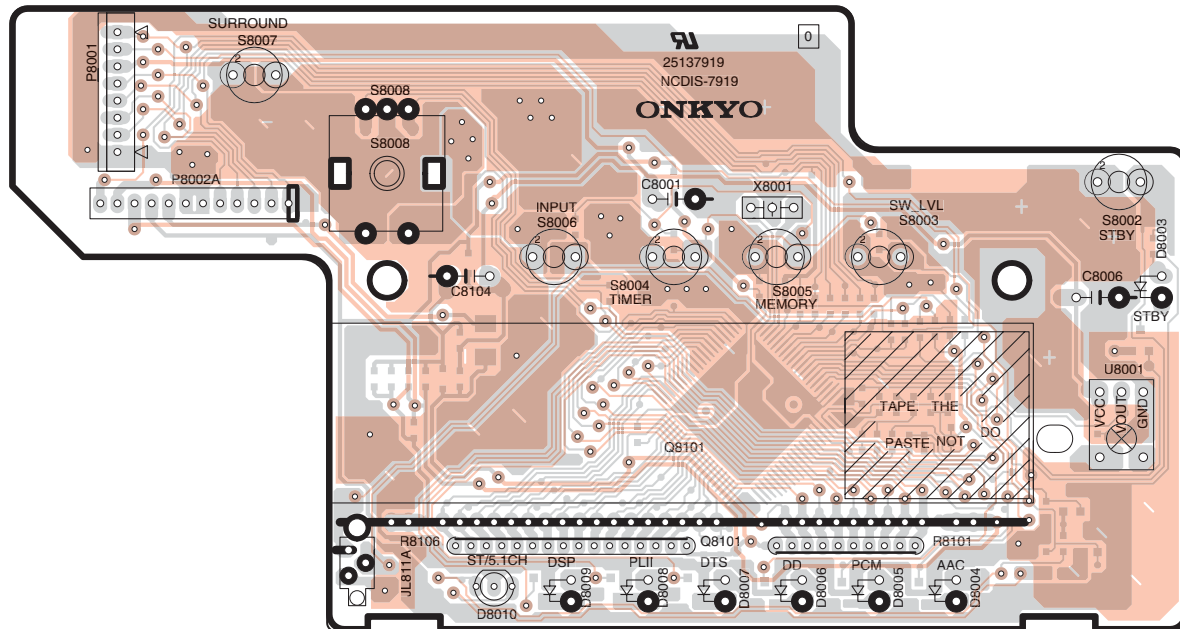
PRINTED CIRCUIT BOARD VIEWS-4

U02 DSP PC BOARD (NADG-7918)

Soldering side



Component side



A

B

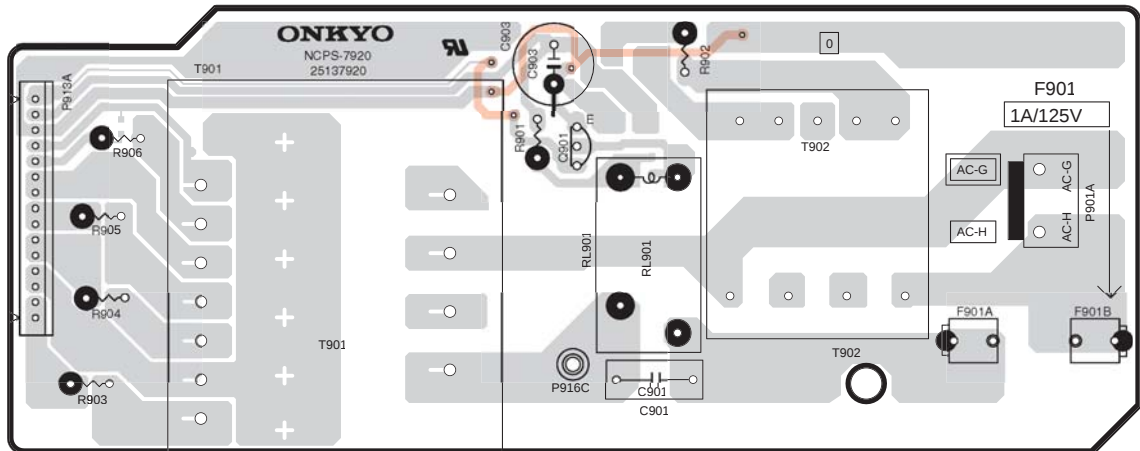
C

D

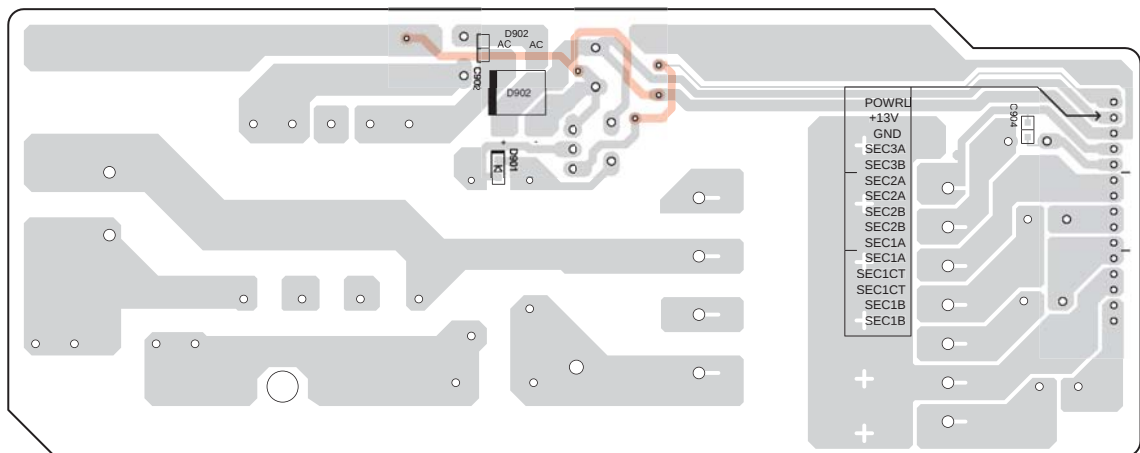
PRINTED CIRCUIT BOARD VIEWS-6

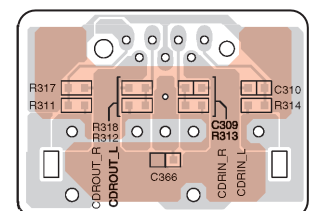
U04 POWER SUPPLY PC BOARD (NAPS-7920)

Component side



Soldering side

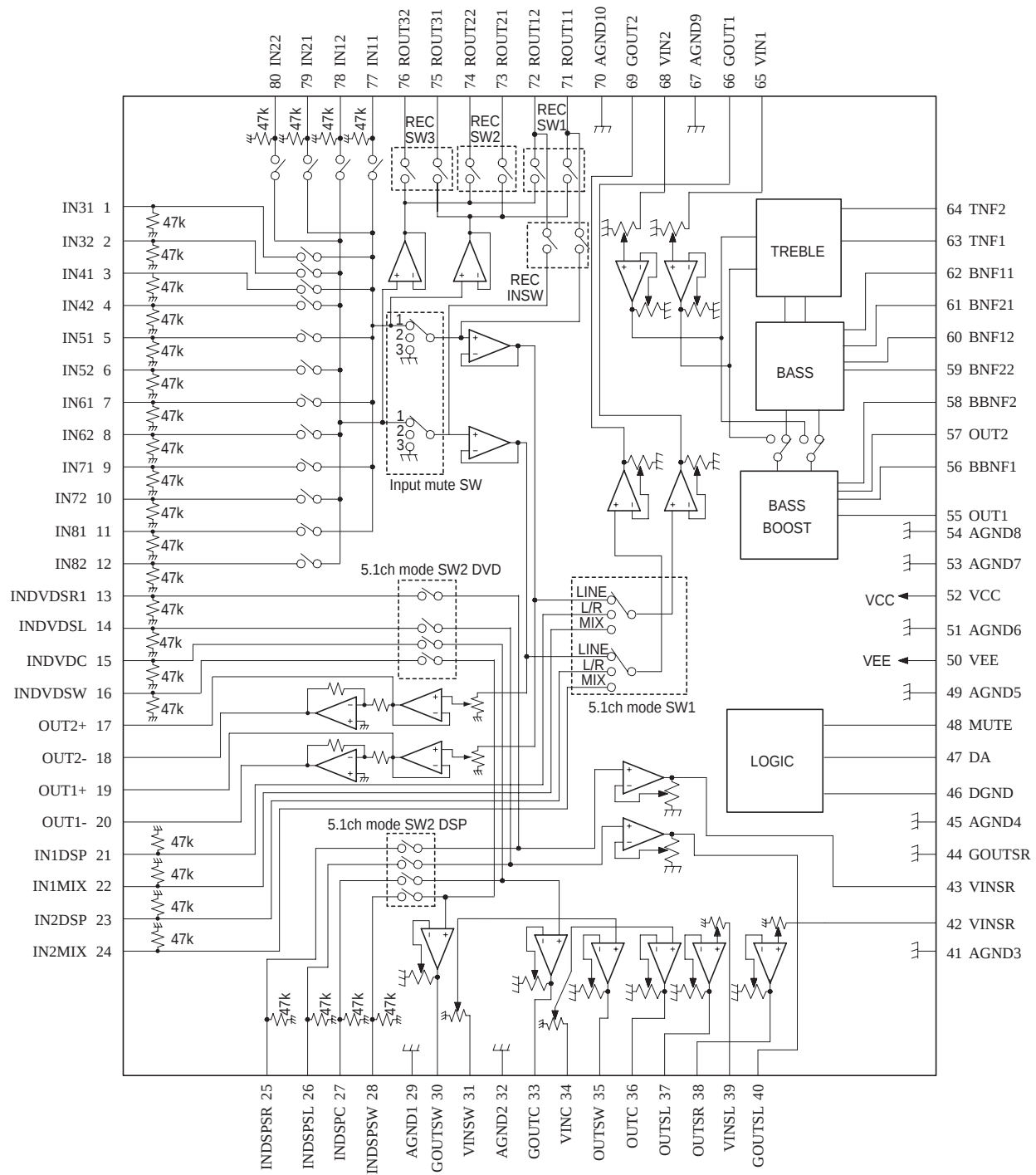




IC BLOCK DIAGRAM AND TERMINAL DESCRIPTIONS-1

Q301:BD3811K1 (6CH Volume with 8ch input selector)-1

BLOCK DIAGRAM



IC BLOCK DIAGRAM AND TERMINAL DESCRIPTIONS-2

Q301:BD3811K1 (6CH Volume with 8ch input selector)-2

TERMINAL DESCRIPTION

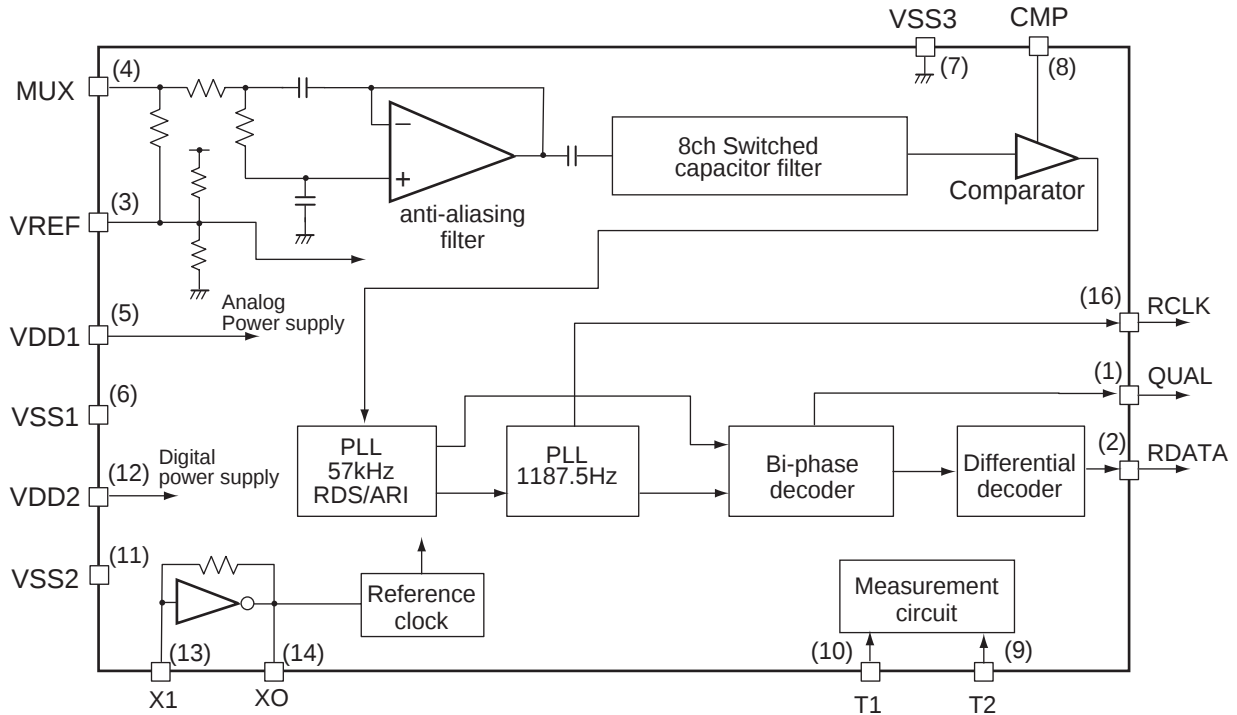
No.	Terminal	Description
1	IN31	1ch input terminal 3
2	IN32	2ch input terminal 3
3	IN41	1ch input terminal 4
4	IN42	2ch input terminal 4
5	IN51	1ch input terminal 5
6	IN52	2ch input terminal 5
7	IN61	1ch input terminal 6
8	IN62	2ch input terminal 6
9	IN71	1ch input terminal 7
10	IN72	2ch input terminal 7
11	IN81	1ch input terminal 8
12	IN82	2ch input terminal 8
13	INDVDSR	DVD surround Rch input terminal
14	INDVDSL	DVD surround Lch input terminal
15	INDVDC	DVD center input terminal
16	INDVDSW	DVD sub woofer input terminal
17	OUT2(+)	2ch (+) A/D output terminal
18	OUT2(-)	2ch (-) A/D output terminal
19	OUT1(+)	1ch (+) A/D output terminal
20	OUT1(-)	1ch (-) A/D output terminal
21	IN1DSP	1ch DSP input terminal
22	IN1MIX	1ch DSP MIX input terminal
23	IN2DSP	2ch DSP input terminal
24	IN2MIX	2ch DSP MIX input terminal
25	INDSPSR	DSP surround Rch input terminal
26	INDSPSL	DSP surround Lch input terminal
27	INDSPC	DSP center input terminal
28	INDSPSW	DSP sub woofer input terminal
29	AGND1	Analog ground terminal
30	GOUTSW	Sub woofer input gain output terminal
31	VINSW	Sub woofer volume input terminal
32	AGND2	Analog ground terminal
33	GOUTC	Center input gain output terminal
34	VINC	Center volume input terminal
35	OUTSW	Sub woofer output terminal
36	OUTC	Center output terminal
37	OUTSL	Surround Lch output terminal
38	OUTSR	Surround Rch output terminal
39	VINSL	Surround Lch volume input terminal
40	GOUTSL	Surround Lch input gain output terminal

No.	Terminal	Description
41	AGND3	Analog ground terminal
42	VINSR	Surround Rch volume input terminal
43	GOUTSR	Surround Rch input gain output terminal
44	AGND4	Analog ground terminal
45	DGND	Ground terminal for comparator
46	DA	Serial data and latch input terminal
47	CL	Serial clock input terminal
48	MUTE	Mute terminal
49	AGND5	Analog ground terminal
50	VEE	(-) Power supply terminal
51	AGND6	Analog ground terminal
52	VCC	(+) Power supply terminal
53	AGND7	Analog ground terminal
54	AGND8	Analog ground terminal
55	OUT1	1ch output terminal
56	BBNF1	1ch bass boost filter terminal
57	OUT2	2ch output terminal
58	BBNF2	2ch bass boost filter terminal
59	BNF22	2ch bass filter terminal 2
60	BNF12	2ch bass filter terminal 1
61	BNF21	1ch bass filter terminal 2
62	BNF11	1ch bass filter terminal 1
63	TNF1	1ch treble filter terminal 1
64	TNF2	2ch treble filter terminal 1
65	VIN1	1ch(Lch) volume input terminal
66	GOUT1	1ch(Lch) input gain output terminal
67	AGND9	Analog ground terminal
68	VIN2	2ch(Rch) volume input terminal
69	GOUT2	2ch(Rch) input gain output terminal
70	AGND10	Analog ground terminal
71	ROUT11	1ch recording input/output terminal 1
72	ROUT12	2ch recording input/output terminal 1
73	ROUT21	1ch recording output terminal 2
74	ROUT22	2ch recording output terminal 2
75	ROUT31	1ch recording output terminal 3
76	ROUT32	2ch recording output terminal 3
77	IN11	1ch input terminal 1
78	IN12	2ch input terminal 1
79	IN21	1ch input terminal 2
80	IN22	2ch input terminal 2

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-3

Q111: BU1923(RDS Decoder)

BLOCK DIAGRAM



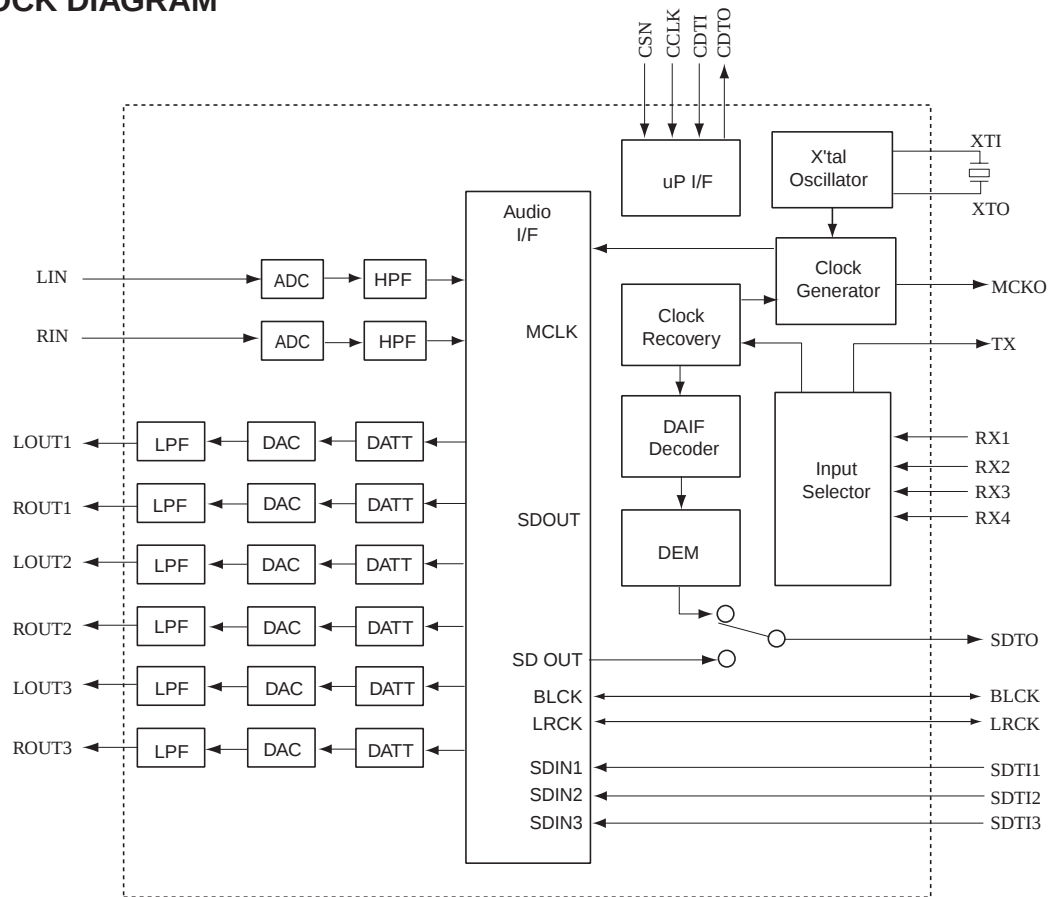
TERMINAL DESCRIPTION

PIN NO.	SYMBOL	PIN NAME	FUNCTION
1	QUAL	Demodulator quality	Good data : High , bad data : Low
2	RDATA	Demodulator data	Refer to output data trimming
3	Vref	Reference voltage	1/2 VDD1 (refer to input/output circuits)
4	MUX	Input	Composite signal input
5	VDD1	Analog power supply	4.5V to 5.5V
6	Vss1		
7	Vss3	GND	-
8	CMP	Comparator input	C-junction
9	T2	Test input	Open or connected to ground
10	T1		
11	VDD2	Digital power supply	4.5V to 5.5V
12	Vss2		
13	XI	Crystal oscillator	Connects to 4.332MHz oscillator (refer to input/output circuit)
14	XO		
15	(NC)	-	-
16	RCLK	Demodulator clock	1187.5Hz clock

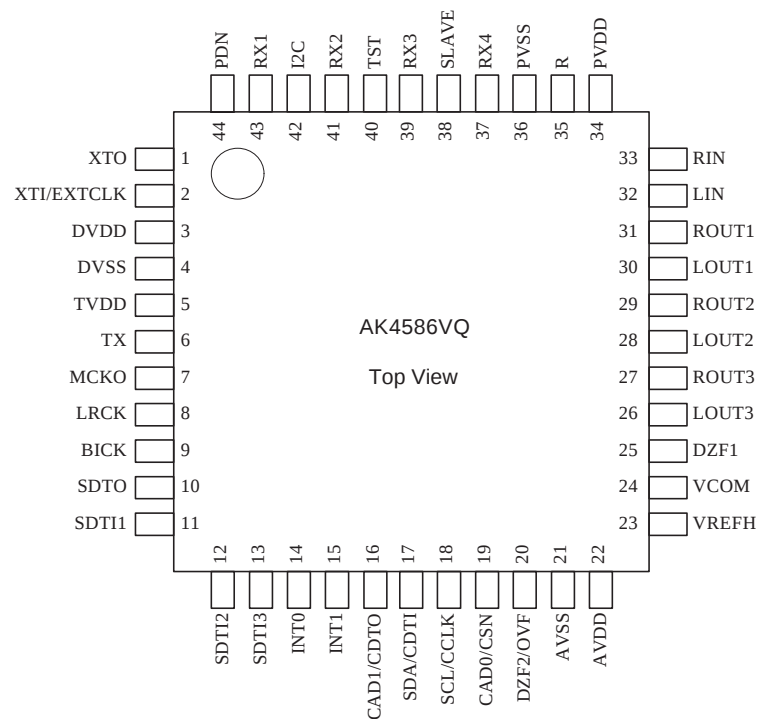
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-4

Q701: AK4586 (24-Bit 96kHz 6-channel CODEC with DIR)-1

BLOCK DIAGRAM



PIN LAYOUT



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-5

Q701: AK4586 (24-Bit 96kHz 6-channel CODEC with DIR)-2

TERMINAL DESCRIPTION

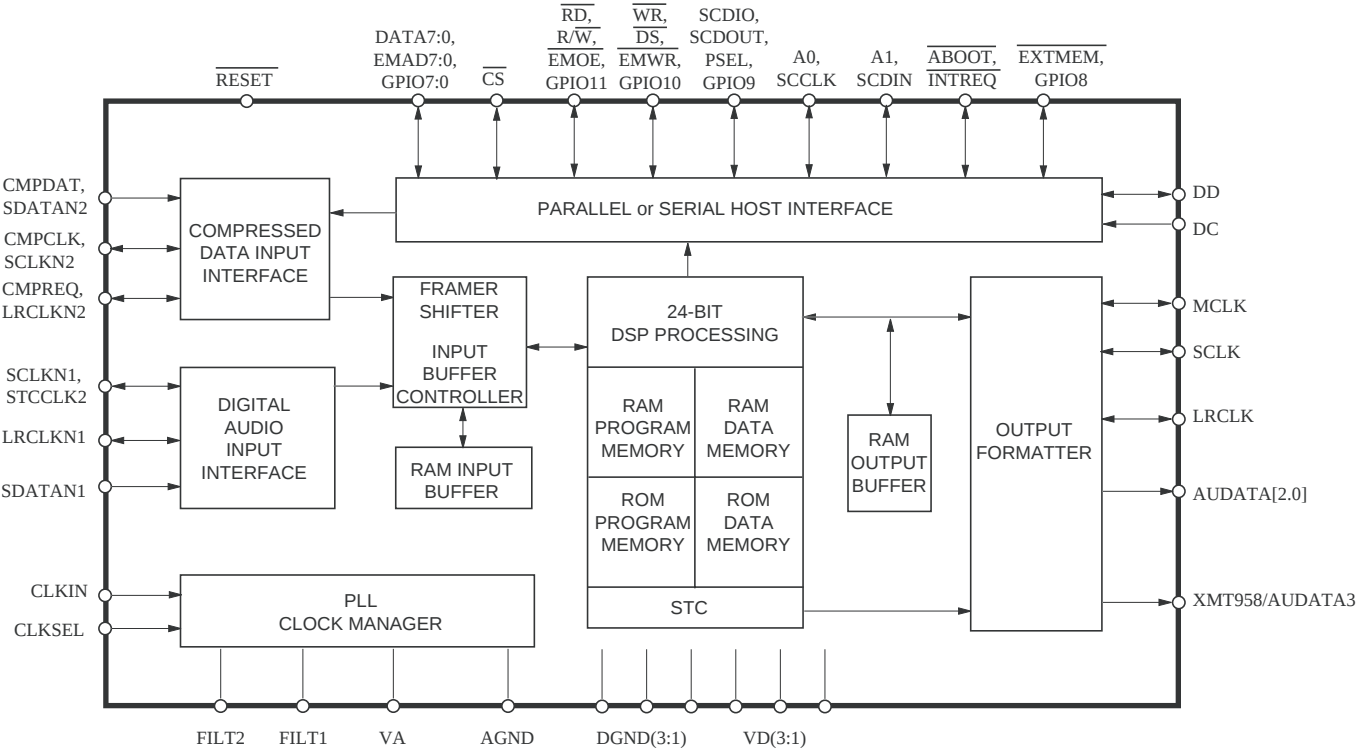
No.	Pin Name	I/O	Function
1	XTO	O	X'tal Output Pin
2	XTI	I	X'tal Input Pin
	EXTCLK	I	External Master Clock Input Pin
3	DVDD	-	Digital Power Supply Pin, 4.5V~5.5V
4	DVSS	-	Digital Ground Pin, 0V
5	TVDD	-	Output Buffer Power Supply Pin, 2.7V~5.5V
6	TX	O	Transmit channel (through data) Output Pin
7	MCKO	O	Master Clock Output Pin
8	LRCK	I/O	Input/Output Channel Clock Pin
9	BICK	I/O	Audio Serial Data Clock Pin
10	SDTO	O	Audio Serial Data Output Pin
11	SDTI1	I	DAC1 Audio Serial Data Input Pin
12	SDTI2	I	DAC2 Audio Serial Data Input Pin
13	SDTI3	I	DAC3 Audio Serial Data Input Pin
14	INT0	O	Interrupt 0 pin
15	INT1	O	Interrupt 1 pin
16	CDTO	O	Control Data Output Pin in 4-wire serial control mode
	CAD1	I	Chip Address 1 Pin in I2C bus control mode
17	CDTI	I	Control Data Input Pin in 4-wire serial control mode
	SDA	I/O	Control Data Input/Output Pin in I2C bus control mode
18	CCLK	I	Control Data Clock Pin in 4-wire serial control mode
	SCL	I	Control Data Clock Pin in I ² C bus control mode
19	CSN	I	Chip Select Pin in 4-wire serial control mode
	CAD0	I	Chip Address 0 Pin in I ² C bus control mode
20	DZF2	O	Zero Input Detect 2 Pin When the input data of the group 1 follow total 8192 LRCKcycles with "0" input data, this pin goes to "H".
	OVF	O	Analog Input Overflow Detect Pin This pin goes to "H" if the analog input of Lch or Rch is overflows.
21	AVSS	-	Analog Ground Pin, 0V
22	AVDD	-	Analog Power Supply Pin, 4.5V~5.5V
23	VREFH	I	Positive Voltage Reference Input Pin, AVDD
24	VCOM	O	Common Voltage Output Pin, AVDD/2 Large external capacitor around 2.2 μ F is used to reduce power-supply noise.
25	DZF1	O	Zero Input Detect 1 Pin When the input data of the group 1 follow total 8192 LRCK cycles with "0" input data, this pin goes to "H".
26	LOUT3	O	DAC3 Lch Analog Output Pin
27	ROUT3	O	DAC3 Rch Analog Output Pin
28	LOUT2	O	DAC2 Lch Analog Output Pin
29	ROUT2	O	DAC2 Rch Analog Output Pin
30	LOUT1	O	DAC1 Lch Analog Output Pin

No.	Pin Name	I/O	Function
31	ROUT1	O	DAC1 Rch Analog Output Pin
32	LIN	I	Lch Analog Input Pin
33	RIN	I	Rch Analog Input Pin
34	PVDD	-	PLL Power Supply Pin, 4.5V~5.5V
35	R	-	External Resistor Pin 18k Ω +/-1% resistor to PVSS externally.
36	PVSS	-	PLL Ground Pin, 0V
37	RX4	I	Receiver Channel 4 Pin (Internal biased pin)
38	SLAVE	I	Slave Mode Pin "L": Master mode or Slave mode, "H": Slave mode
39	RX3	I	Receiver Channel 3 Pin (Internal biased pin)
40	TST	I	Test Pin This pin should be connected to DVSS.
41	RX2	I	Receiver Channel 2 Pin (Internal biased pin)
42	I2C	I	Control Mode Select Pin "L": 4-wire Serial, "H": I2C Bus
43	RX1	I	Receiver Channel 1 Pin (Internal biased pin)
44	PDN	I	Power-Down & Reset Pin When "L", the AK4586 is powered-down, all output pins go to "L" and the control registers are reset to default state. If the state of CAD1-0 changes, then the AK4586 must be reset by PDN.

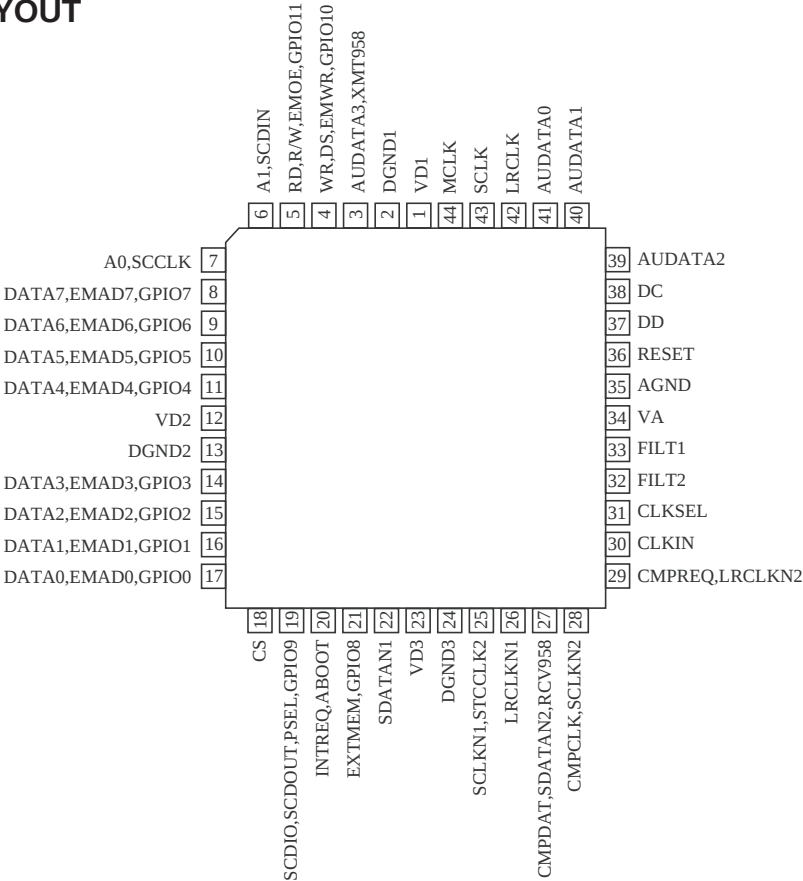
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-6

Q731:CS493264(DSP IC)-1

BLOCK DIAGRAM



PIN LAYOUT



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-7

Q731:CS493264(DSP IC)-2

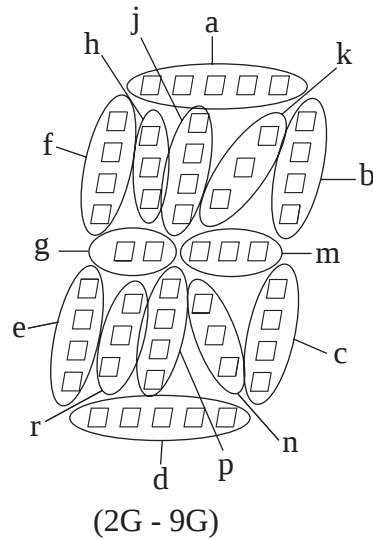
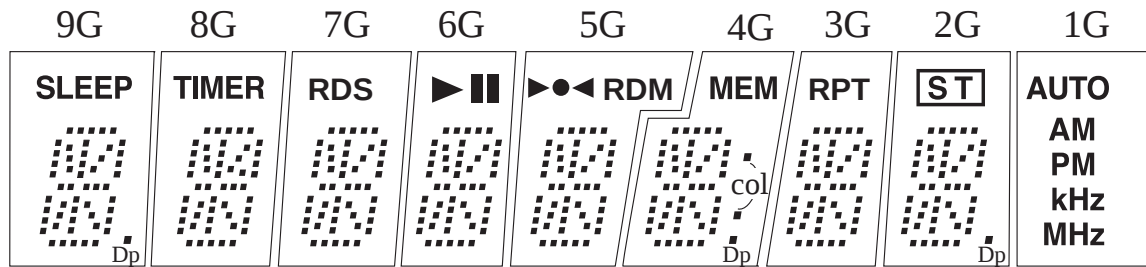
TERMINAL DESCRIPTION

No.	Symbol	Description
1	VD1	Digital positive supply
2	DGMD1	Digital supply ground
3	AUDATA3,XMT958	SPDIF transmitter output. Digital audio output.
4	WR,DS,EMWR,GPIO10	Host write strobe or host data strobe or external memory write enable general purpose input & output number 10.
5	RD,R/W,EMOE,GPIO11	Host parallel output enable or host parallel R/W or external memory output enable or general purpose input & output number 11.
6	A1,SCDIN	Host address bit one or SPI serial control data input.
7	A0,SCCLK	Host parallel address bit zero or serial control port clock.
8	DATA7	In parallel host mode these pins provide a bi-directional databus. If a serial host mode is selected, these pins can provide a multiplexed address and data bus for connecting an 8-bit external memory. Otherwise, in serial data host mode, these pins can act as general-purpose input or output pins that can be individually configured and controlled by this DSP.
9	DATA6	
10	DATA5	
11	DATA4	
12	VD2	Digital positive supply.
13	DGND2	Digital supply ground.
14	DATA3	In parallel host mode these pins provide a bi-directional data bus. If a serial host mode is selected, these pins can provide a multiplexed address and data bus for connecting an 8-bit external memory. Otherwise, in serial data host mode, these pins can act as general-purpose input or output pins that canbe individually configured and controlled by this DSP.
15	DATA2	
16	DATA1	
17	DATA0	
18	CS	Host parallel chip select, host serial SPI chip select.
19	SCDIO,SCDOUT,PSEL,GPIO9	Serial control port data input and output, parallel port type select.
20	INREQ,ABOOT	Control port interrupt request, automatic boot enable.
21	EXTMEM,GPIO8	External memory chip select or general purpose input & output number 8.
22	SDATAN1	PCM audio data input number one.
23	VD3	Digital positive supply.
24	DGND3	Digital supply ground.
25	SCLK1,STCLK2	PCM audio data input bit clock.
26	LRCLKN1	PCM audio input sample rate clock.
27	CMPDAT,SDATAN2	PCM audio data input number two.
28	CMPCLK,SCLKN2	PCM audio input bit clock.
29	CMPREQ	PCM audio input sample rate clock.
	LRCLKN2	
30	CLKIN	Master clock input pin.
31	CLKSEL	DSP clock select pin.
32	FILT2	Phase locked loop filter.
33	FILT1	
34	VA	Analog positive supply.
35	AGND	Analog supply ground.
36	RESET	Master reset input.

No.	Symbol	Description
37	DD	Reserved.
38	DC	
39	AUDATA2	Digital audio output 2.
40	AUDATA1	Digital audio output 1.
41	AUDATA0	Digital audio output 0.
42	LRCLK	Audio output sample rate clock.
43	SCLK	Audio output bit clock.
44	MCLK	Audio master clock.

FL TUBE VIEW

Q8101: HNA-09SS27T



	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	a	a	a	a	a	a	a	a	—
P2	j	j	j	j	j	j	j	j	—
P3	h	h	h	h	h	h	h	h	—
P4	k	k	k	k	k	k	k	k	—
P5	b	b	b	b	b	b	b	b	—
P6	f	f	f	f	f	f	f	f	—
P7	g	g	g	g	g	g	g	g	—
P8	m	m	m	m	m	m	m	m	PM
P9	c	c	c	c	c	c	c	c	AM
P10	e	e	e	e	e	e	e	e	—
P11	n	n	n	n	n	n	n	n	—
P12	r	r	r	r	r	r	r	r	MHz
P13	p	p	p	p	p	p	p	p	kHz
P14	d	d	d	d	d	d	d	d	—
P15	SLEEP	TIMER	RDS	▶	RDM	MEM	RPT	ST	AUTO
P16	—	—	—		▷○◁	Dp	—	Dp	—
P17	—	—	—	—	—	Col	—	—	—

MICROPROCESSOR TERMINAL DESCRIPTIONS

Q7001:MPD784225GC-261-8BT (MAIN MICROPROCESSOR)

No.	Pin name	I/O	Description
1	SWFUCTION	I	Input terminal for subwoofer function setup.
2	MODEL	I	Input terminal for model setup.
3	BAND	I	Input terminal for destination setup.
4	AVSS	I	Ground terminal.
5	NU	---	Not used.
6	NU	---	Not used.
7	AVREF1	I	Ground terminal for A/D converter.
8	NU	O	Not used.
9	NU	O	Not used.
10	NU	O	Not used.
11	NU	O	Not used.
12	NU	O	Not used.
13	NU	O	Not used.
14	FREQADJ	O	Test terminal for adjustment of clock frequency.
15	MCRDY	I	Input terminal for data ready detection from sub microprocessor.
16	MCSDI	I	Input terminal for communication data from sub microprocessor.
17	MCSDO	O	Output terminal for data to sub microprocessor.
18	MCCLK	O	Output terminal for serial clock to sub microprocessor.
19	~MCRST	O	Reset signal output terminal to the sub microprocessor.
20	HPMUT	I	Output terminal for muting control of headphone amplifier circuit.
21	HPIN	I	Input terminal to detect the connection of headphone.
22	SYSIN	I	Input terminal of system control (RI).
23	SYSOUT	O	Output terminal of system control (RI).
24	NU	---	Not used.
25	NU	---	Not used.
26	POWRL	O	Output terminal of relay control for main power.
27	NU	---	Not used.
28	NU	---	Not used.
29	NU	---	Not used.
30	NU	---	Not used.
31	SWPRL	O	Output terminal for power supply control of subwoofer.
32	AMUT	O	Output terminal for audio muting control.
33	VSS1	I	Ground terminal.
34	PLLSTB	O	Output terminal for strobe signal to PLL IC.
35	PLLSDO	O	Output terminal for serial data to PLL IC.
36	PLLCLK	O	Output terminal for serial clock to PLL IC.
37	TUMUT	O	Output terminal for muting control of tuner section.
38	~SD	I	Input terminal for detection signal of broadcast.
39	~STEREO	I	Input terminal for detect of FM stereo broadcast.

No.	Pin name	I/O	Description
40	SELMUT	O	Output terminal for muting control of selector, volume and tone IC (BD3811).
41	SELCLK	O	Output terminal for serial clock of selector, volume and tone IC (BD3811).
42	SELSDO	O	Output terminal for serial data of selector, volume and tone IC (BD3811).
43	NU	---	Not used.
44	NU	---	Not used.
45	NU	---	Not used.
46	LED SW	O	Output terminal for control of Stereo LED (green).
47	~DIRCS	O	Output terminal for chip select signal to DIR IC (AK4586).
48	~DSPCS	O	Output terminal o chip select signal to DSP IC.
49	~ROM/RAM	O	Output terminal for ROM/RAM select.
50	ADDR15	O	Output terminal for select of DSP boot ROM address-15.
51	ADDR16	O	Output terminal for select of DSP boot ROM address-16.
52	ADDR17	O	Output terminal for select of DSP boot ROM address-17.
53	DSPCLK	O	Output terminal for serial clock of DSP IC (CS493264) and DIR/CODEC IC (AK4586).
54	DSPSDO	O	Output terminal for Serial data of DSP IC (CS49326) and DIR/CODEC IC (AK4586).
55	~DSPRST	O	Output terminal for reset signal to DSP IC.
56	DSPSDI	I	Serial data input terminal from DSP IC CS493264 and DIR/CODEC IC (AK4586).
57	DIRINT1	I	Input terminal for detect the status of DIR IC.
58	DIRINT0	I	Input terminal for detect the unlock of DIR IC.
59	~DIRPD	O	Power down terminal to DIR/CODEC IC.
60	RESET	I	Input terminal for system reset.
61	NU	---	Not used.
62	POFF	I	Input terminal power failure detection.
63	NU	---	Not used.
64	~INTREQ/ABOOT	I/O	Input terminal for interrupter of DSP IC.
65	NU	---	Not used.
66	~RDSCLK	I	Input terminal of RDS clock data.
67	VSS0	I	Ground terminal.
68	VDD1	I	Power supply terminal. (+5V)
69	X2	O	Connect the oscillator (12.5MHz).
70	X1	I	Connect the oscillator (12.5MHz).
71	TEST/VPP	I	Test terminal.
72	XT2	O	Not used.
73	XT1	I	Not used.
74	VDD0	I	Power supply terminal. (+5V)
75	AVDD	I	Power supply terminal for A/D converter. (+5V)
76	SIGNAL	I	Input terminal of signal level from tuner unit.
77	RDSSIG	I	Input terminal for check signal of RDS broadcast.
78	RDS DATA	I	Input terminal of RDS broadcast data.
79	PROTECT	I	Not used.
80	NU	I	Not used.

ADJUSTMENT PROCEDURES

CLOCK FREQUENCY ADJUSTMENT

1. Remove the top cover.
2. Connect the frequency counter to the Test point P7002 on Main PC board NADG-7917.
3. Press and hold down the SURROUND button and then press the STANDBY/ON button when the unit is on.

FL tube *T - _*

4. Press the SURROUND button while "*T - _*" is shown.
If you fail to do this in time, return to step-3.

FM P - - -

0.2 sec.



T - 1 - 00

Test mode for clock adjustment

5. Adjust the trimming capacitor C7070 on NADG-7917 so that the reading of frequency counter becomes 12.500MHz +/-10 Hz.

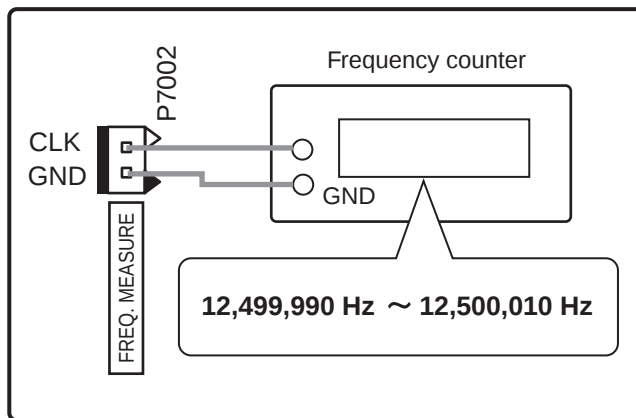
6. Press STANDBY/ON button.

CLEAR

0.5 sec.

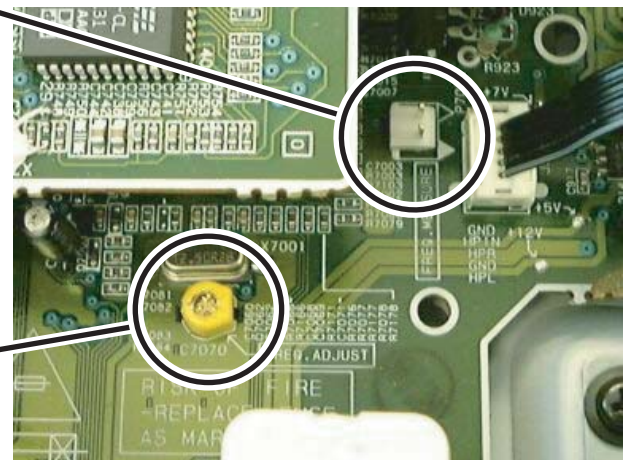


Cancel the test mode



Trimming capacitor
C7070

Top view



→ Front side

PR-155X

EXPLODED VIEW PARTS LIST

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

	REF. NO.	NAME	DESCRIPTION	Q'TY	PART NO	REMARKS
EXP	A001	F BRACKET	---	1	27111276C	
EXP	A003	GUIDE	(VOL)	1	27268056	
EXP	A005	SCREW	3TTB+8B	7	838130088	
EXP	A007	CHASSIS	---	1	27100419	
EXP	A009	CUSHION	---	4	28141489	
EXP	A011	CUSHION	---	1	28141510	
EXP	A013	BUSHING	S-RELIEF #2271	1	27300750	!
EXP	A015	SCREW	4TTC+6C(BC)	3	830440069	
EXP	A019	HOLDER	KGSL-8RT	2	27190503A	
EXP	A021	CLEAR PLT	(RE)	1	28191941	
EXP	A025	FACET	(6)	1	28198949	
EXP	A029	COVER	---	1	28184824A	
EXP	A031	SCREW	3TTB+8B(UN)	6	838930088	
EXP	A033	KNOB	(TUN)	1	28325962	
EXP	A035	KNOB	(VOL)AS	1	28326098	
EXP	A101	CLEAR PLT	---	1	28191940	
EXP	A103	REAR PANEL	---	1	27123364	
EXP	A105	SCREW	3TTB+8B(BC)	10	838430088	
EXP	A107	F PANEL	---	1	27212715	
EXP	A109	FACET	---	2	28198938	
EXP	A110	SPEC LABEL	---	1	29363947	
EXP	F901	FUSE	0.5A-SE-EAWK	1	252063	!
EXP	F901 or	FUSE	500MA-SE-TL250V	(1)	252268	!
EXP	P101	FFC	NCFC7-151012	1	2047151012	
EXP	P901	AC CORD	AS-CEE	1	253336VOL	!
EXP	P901 or	AC CORD	AS-CEE	(1)	253335HIT	!
EXP	T901	P TRANS	NPT-1440P	1	2301592	!
EXP	U01	MAIN PC board ass'y	NAAR-7917-2C	1	1A983517-2C	
EXP	U02	DSP PC board ass'y	NADG-7918-2C	1	1A983518-2C	
EXP	U03	DISPLAY PC board ass'y	NADIS-7919-2C	1	1A983519-2C	
EXP	U04	POWER SUPPLY PC board ass'y	NAPS-7920-2C	1	1A983520-2C	
EXP	U05	VOLUME PC board ass'y	NASW-7921-2C	1	1A983521-2C	
EXP	U06	HEADPHONE PC board ass'y	NAETC-7922-2C	1	1A983522-2C	
EXP	U07	TERMINAL PC board ass'y	NAETC-7923-2C	1	1A983523-2C	
EXP	U08	TERMINAL PC board ass'y	NAETC-7924-2C	1	1A983524-2C	
EXP	U09	CDR TERMINAL PC board ass'y	NAETC-7925-2C	1	1A983525-2C	
EXP	U10	TUNER UNIT	TFCE1E512A	1	240135	
EXP	U10 or	TUNER UNIT	FAE485-E02F	(1)	240147	

PR-155X

PC BOARD PARTS LIST

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

ELECTRIC SHOCK. REPLACE ONLY WITH PART
NUMBER SPECIFIED.

U01	MAIN PC BOARD(NAAR-7917-2C)
U02	DSP PC BOARD(NADG-7918-2C)
U03	DISPLAY PC BOARD(NADIS-7919-2C)
U04	POWER SUPPLY PC BOARD(NAPS-7920-2C)
U05	VOLUME PC BOARD(NASW-7921-2C)
U06	HEADPHONE PC BOARD(NAETC-7922-2C)
U07	TERMINAL PC BOARD(NAETC-7923-2C)
U08	TERMINAL PC BOARD(NAETC-7924-2C)
U09	CDR TERMINAL PC BOARD(NAETC-7925-2C)

<Notes> Parts are indicated collectively, without dividing for above mentioned each unit.

	REF. NO.	NAME	DESCRIPTION	Q'TY	PART NO	REMARKS
PCB	U701	PHT CP	TORX179P	1	24120099	
PCB	U702	PHT CP	TORX179P	1	24120099	
PCB	U703	PHT CP	TORX179P	1	24120099	
PCB	U8001	REMO SENS	SPS-444-1-VP	1	241352	
PCB	Q111	IC	BU1923F	1	22241297R2	
PCB	Q301	IC	BD3811K1	1	22241761R3	
PCB	Q302	IC	NJM4565V	1	22241554R2	
PCB	Q303	TR	KRA102S	1	2216220R2	
PCB	Q303 or	TR	RN2402	(1)	2214530R2	
PCB	Q304	IC	NJM4565V	1	22241554R2	
PCB	Q311	TR	RN1441	1	2215410R2	
PCB	Q312	TR	RN1441	1	2215410R2	
PCB	Q313	TR	RN1441	1	2215410R2	
PCB	Q314	TR	RN1441	1	2215410R2	
PCB	Q315	TR	RN1441	1	2215410R2	
PCB	Q316	TR	RN1441	1	2215410R2	
PCB	Q317	TR	RN1441	1	2215410R2	
PCB	Q321	IC	NJM4565V	1	22241554R2	
PCB	Q322	TR	KRA102S	1	2216220R2	
PCB	Q322 or	TR	RN2402	(1)	2214530R2	
PCB	Q323	TR	RN1441	1	2215410R2	
PCB	Q324	TR	RN1441	1	2215410R2	
PCB	Q325	TR	RN1441	1	2215410R2	
PCB	Q326	TR	RN1441	1	2215410R2	
PCB	Q401	IC	NJM4565V	1	22241554R2	
PCB	Q402	IC	NJM4565V	1	22241554R2	
PCB	Q403	IC	NJM4565V	1	22241554R2	
PCB	Q701	IC	AK4586	1	22241620R3	
PCB	Q721	IC	TC7WU04FU	1	22240935R2	
PCB	Q731	IC	CS493292-CL	1	22241455R2	
PCB	Q732	IC	TC7WU04FU	1	22240935R2	
PCB	Q761	IC	TC74VHC541FT	1	22274541ER2TO	
PCB	Q761 or	IC	SN74AHC541PWR	(1)	22274541IR2TI	
PCB	Q771	IC	TC74VHC574FT	1	22274574ER2TO	
PCB	Q771 or	IC	SN74AHC574PWR	(1)	22274574IR2TI	
PCB	Q772	IC	TC74VHC574FT	1	22274574ER2TO	
PCB	Q772 or	IC	SN74AHC574PWR	(1)	22274574IR2TI	
PCB	Q773	IC	TC74VHC74FT	1	22274074ER2TO	
PCB	Q773 or	IC	SN74AHC74PWR	(1)	22274074IR2TI	
PCB	Q774	IC	MX27L2000TC-12(TX-SA500)	1	22241809R3	
PCB	Q774 or	IC	MX29LV040	(1)	22241764R3	
PCB	Q775	IC	M5M5V108DKV-70H	1	22241793R3	
PCB	Q775 or	IC	MPD442000LGU-B70X	(1)	22241459R3	
PCB	Q775 or	IC	MPD441000LGU-B70X	(1)	22241517R3	

PCB	Q775 or	IC	BS62LV1023STC-70	(1)	22241792R3
PCB	Q791	IC	BA33C25FP	1	22241778R2
PCB	Q901	TR	KRC105M	1	2215830
PCB	Q901 or	TR	DTC123JS	(1)	2213640
PCB	Q911	IC(REGULATOR)	78M12HF	1	222780125
PCB	Q914	IC(REGULATOR)	78L07(SMT)	1	222780073R2
PCB	Q915	IC(REGULATOR)	79L07(SMT)	1	222790073R2
PCB	Q921	IC(REGULATOR)	7805HF	1	222780054
PCB	Q921A	HEAT SINK	RAD-083	1	27160271
PCB	Q921B	SCREW	3P+10FN(BC)	1	82143010
PCB	Q922	IC(REGULATOR)	78M56	1	222780565
PCB	Q931	TR	KTA1266-GR	1	2215975
PCB	Q931 or	TR	2SA1015-GR	(1)	2211455
PCB	Q7001	IC	MPD784225GC-261-8BT	1	22242191R3
PCB	Q7023	TR	KRA103S	1	2216230R2
PCB	Q7023 or	TR	RN2403	(1)	2214540R2
PCB	Q7060	TR	KRC104S	1	2216210R2
PCB	Q7060 or	TR	RN1404	(1)	2214490R2
PCB	Q7091	TR	2SB1068-U	1	2212855
PCB	Q7092	TR	KRC102S	1	2216190R2
PCB	Q7092 or	TR	RN1402	(1)	2214470R2
PCB	Q7096	IC	TC74HCT7007AF	1	222740077R2TO
PCB	Q8001	IC	MPD780232GC-091-8BT	1	22241989R3
PCB	Q8002	TR	KRC102S	1	2216190R2
PCB	Q8002 or	TR	RN1402	(1)	2214470R2
PCB	Q8004	TR	KRC102S	1	2216190R2
PCB	Q8004 or	TR	RN1402	(1)	2214470R2
PCB	Q8005	TR	KRC102S	1	2216190R2
PCB	Q8005 or	TR	RN1402	(1)	2214470R2
PCB	Q8006	TR	KRC102S	1	2216190R2
PCB	Q8006 or	TR	RN1402	(1)	2214470R2
PCB	Q8007	TR	KRC102S	1	2216190R2
PCB	Q8007 or	TR	RN1402	(1)	2214470R2
PCB	Q8008	TR	KRC102S	1	2216190R2
PCB	Q8008 or	TR	RN1402	(1)	2214470R2
PCB	Q8009	TR	2SC2712-GR	1	2213145R2
PCB	Q8010	TR	2SC2712-GR	1	2213145R2
PCB	Q8101	FL TUBE	HNA-09SS27T	1	212223
PCB	D701	C-DIODE	1SS355	1	223269R2
PCB	D701 or	C-DIODE	1SS352	(1)	223234R2
PCB	D702	C-DIODE	1SS355	1	223269R2
PCB	D702 or	C-DIODE	1SS352	(1)	223234R2
PCB	D901	C-DIODE	1SS355	1	223269R2
PCB	D901 or	C-DIODE	1SS352	(1)	223234R2
PCB	D902	C-DIODE	S1NB60-4062	1	22380318R2
PCB	D911	C-DIODE	S1NB60-4062	1	22380318R2
PCB	D921	DIODE	D3SBA20	1	22380271F
PCB	D921 or	DIODE	RBV402	(1)	22380022F
PCB	D921 or	DIODE	RS403M	(1)	22380285F
PCB	D921 or	DIODE	GSIB460	(1)	22380316F
PCB	D922	DIODE	RL1N4003	1	22380260
PCB	D922 or	DIODE	GP104003E	(1)	22380035
PCB	D923	DIODE	RL1N4003	1	22380260
PCB	D923 or	DIODE	GP104003E	(1)	22380035
PCB	D924	DIODE	RL1N4003	1	22380260
PCB	D924 or	DIODE	GP104003E	(1)	22380035
PCB	D925	DIODE	RL1N4003	1	22380260
PCB	D925 or	DIODE	GP104003E	(1)	22380035

PCB	D931	DIODE	RL1N4003	1	22380260	
PCB	D931 or	DIODE	GP104003E	(1)	22380035	
PCB	D932	DIODE	RL1N4003	1	22380260	
PCB	D932 or	DIODE	GP104003E	(1)	22380035	
PCB	D933	ZENER D	UDZS27B	1	224552700R2	
PCB	D933 or	ZENER D	RD27SB	(1)	224372700R2	
PCB	D7001	C-DIODE	1SS355	1	223269R2	
PCB	D7001 or	C-DIODE	1SS352	(1)	223234R2	
PCB	D7002	C-DIODE	1SS355	1	223269R2	
PCB	D7002 or	C-DIODE	1SS352	(1)	223234R2	
PCB	D7003	ZENER D	UDZS6.8B	1	224550680R2	
PCB	D7003 or	ZENER D	RD6.8SB	(1)	224370680R2	
PCB	D7022	ZENER D	UDZS5.1B	1	224550510R2	
PCB	D7022 or	ZENER D	RD5.1SB	(1)	224370510R2	
PCB	D7023	C-DIODE	1SS355	1	223269R2	
PCB	D7023 or	C-DIODE	1SS352	(1)	223234R2	
PCB	D7060	C-DIODE	1SS355	1	223269R2	
PCB	D7060 or	C-DIODE	1SS352	(1)	223234R2	
PCB	D7062	C-DIODE	1SS355	1	223269R2	
PCB	D7062 or	C-DIODE	1SS352	(1)	223234R2	
PCB	D8001	C-DIODE	1SS355	1	223269R2	
PCB	D8001 or	C-DIODE	1SS352	(1)	223234R2	
PCB	D8002	C-DIODE	1SS355	1	223269R2	
PCB	D8002 or	C-DIODE	1SS352	(1)	223234R2	
PCB	D8003	LED	SLR-332VRT32	1	225422	
PCB	D8005	LED	SLR-332DUT32	1	225423	
PCB	D8006	LED	SLR-332DUT32	1	225423	
PCB	D8007	LED	SLR-332DUT32	1	225423	
PCB	D8008	LED	SLR-332MCT32	1	225424	
PCB	D8009	LED	SLR-332MCT32	1	225424	
PCB	D8010	LED	SPR-39MVWF	1	225339	
PCB	D8101	ZENER D	UDZS5.1B	1	224550510R2	
PCB	D8101 or	ZENER D	RD5.1SB	(1)	224370510R2	
PCB	T902	P TRANS	NPT-1484P	1	2301728	!
PCB	L701	CHOKE COIL	NCH-1471	1	231237M022R2	
PCB	L702	CHOKE COIL	NCH-1471	1	231237M022R2	
PCB	L703	CHOKE COIL	NCH-1471	1	231237M022R2	
PCB	L704	CHOKE COIL	NCH-1471	1	231237M022R2	
PCB	L721	CHOKE COIL	NCH-1479	1	231237K470R2	
PCB	L731	CHOKE COIL	NCH-1471	1	231237M022R2	
PCB	L732	CHOKE COIL	NCH-1471	1	231237M022R2	
PCB	L733	CHOKE COIL	NCH-1479	1	231237K470R2	
PCB	L771	CHOKE COIL	NCH-1479	1	231237K470R2	
PCB	L7001	CHOKE COIL	NCH-1479	1	231237K470R2	
PCB	L8101	CHOKE COIL	NCH-1479	1	231237K470R2	
PCB	X111	CRYSTAL	HC-49/U03C4.332MHz	1	3010332R2	
PCB	X732	CERA LOCK	CSTCV12.2MTJ0C4	1	3010324R2	
PCB	X7001	CRYSTAL	HC-49/U03C12.500MHz	1	3010362R2	
PCB	X8001	CERA LOCK	CST5.00MGW	1	3010242	
PCB	C101	ELECT C	CE04W50V3.3M(SC)	1	394780337	
PCB	C101 or	VR C	CE04W50V-3.3M(VR)	(1)	394680337	
PCB	C102	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C103	ELECT C	CE04W50V2.2M(SC)	1	394780227	
PCB	C103 or	VR C	CE04W50V-2.2M(VR)	(1)	394680227	
PCB	C104	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB	C111	VR C	CE04W50V-2.2M(VR)	1	394680227	
PCB	C112	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C113	C-CERA C	CC725CH1H-561J1	1	342105614R1	

PCB	C114	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C115	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB	C116	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB	C301	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C302	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C303	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C304	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C305	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C306	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C307	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C308	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C309	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C310	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C311	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C312	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C313	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C314	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C315	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C316	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C317	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C318	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C319	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C320	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C321	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C322	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C323	ELECT C	CE04W16V220M(SC)	1	394742217	
PCB	C323 or	VR C	CE04W16V-220M(VR)	(1)	394642217	
PCB	C324	ELECT C	CE04W16V220M(SC)	1	394742217	
PCB	C324 or	VR C	CE04W16V-220M(VR)	(1)	394642217	
PCB	C333	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C333 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	
PCB	C334	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C334 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	
PCB	C335	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C335 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	
PCB	C336	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C336 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	
PCB	C337	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C337 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	
PCB	C339	VX C	CE04W16V-22M(VX)	1	393342207	
PCB	C340	VX C	CE04W16V-22M(VX)	1	393342207	
PCB	C341	VX C	CE04W16V-22M(VX)	1	393342207	
PCB	C342	VX C	CE04W16V-22M(VX)	1	393342207	
PCB	C343	VX C	CE04W16V-22M(VX)	1	393342207	
PCB	C344	VX C	CE04W16V-47M(VX)	1	393344707	
PCB	C345	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C346	C-CERA C	CK725B1A-224K1	1	332132245R1	
PCB	C347	C-CERA C	CK725B1A-224K1	1	332132245R1	
PCB	C348	C-CERA C	CK725B1A-224K1	1	332132245R1	
PCB	C349	C-CERA C	CK725B1A-224K1	1	332132245R1	
PCB	C350	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C352	VX C	CE04W16V-47M(VX)	1	393344707	
PCB	C353	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB	C354	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB	C355	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C356	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C357	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C358	VX C	CE04W16V-10M(VX)	1	393341007	

PCB	C359	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C360	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C361	VX C	CE04W6.3V-100M(VX)	1	393321017	
PCB	C362	VX C	CE04W6.3V-100M(VX)	1	393321017	
PCB	C363	C-CERA C	CC732CH1H-222J	1	347342224R2	
PCB	C364	C-CERA C	CC732CH1H-222J	1	347342224R2	
PCB	C365	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C366	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C371	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C371 or	C-CERA C	CC725CH1H-102J1	(1)	342101024R1	
PCB	C371 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	
PCB	C372	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C372 or	C-CERA C	CC725CH1H-102J1	(1)	342101024R1	
PCB	C372 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	
PCB	C381	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C382	TF C	ECQ-V50V-224J	1	374722244	
PCB	C383	TF C	ECQ-V50V-473J	1	374724734	
PCB	C384	VX C	CE04W16V-47M(VX)	1	393344707	
PCB	C401	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C402	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C403	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C404	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C405	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C406	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C411	C-CERA C	CC725CH1E-821J1	1	342118214R1	
PCB	C412	C-CERA C	CC725CH1E-821J1	1	342118214R1	
PCB	C413	C-CERA C	CC725CH1E-821J1	1	342118214R1	
PCB	C414	C-CERA C	CC725CH1E-821J1	1	342118214R1	
PCB	C415	C-CERA C	CC725CH1E-821J1	1	342118214R1	
PCB	C416	C-FILM C	ECHU16V-822J	1	373048224R2	
PCB	C421	C-CERA C	CC732CH1H-152J	1	347341524R1	
PCB	C422	C-CERA C	CC732CH1H-152J	1	347341524R1	
PCB	C423	C-CERA C	CC732CH1H-152J	1	347341524R1	
PCB	C424	C-CERA C	CC732CH1H-152J	1	347341524R1	
PCB	C425	C-CERA C	CC732CH1H-152J	1	347341524R1	
PCB	C426	C-FILM C	ECHU16V-153J	1	373041534R2	
PCB	C703	ELECT C	CE04W16V47M(SC)	1	394744707	
PCB	C703 or	VR C	CE04W6.3V-47M(VR)	(1)	394624707	
PCB	C704	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C705	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C706	ELECT C	CE04W6.3V220M(SC)	1	394722217	
PCB	C706 or	VR C	CE04W6.3V-220M(VR)	(1)	394622217	
PCB	C707	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C708	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C709	ELECT C	CE04W16V22M(SC)	1	394742207	
PCB	C709 or	VR C	CE04W16V-22M(VR)	(1)	394642207	
PCB	C710	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C711	ELECT C	CE04W16V47M(SC)	1	394744707	
PCB	C711 or	VR C	CE04W6.3V-47M(VR)	(1)	394624707	
PCB	C712	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C713	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB	C714	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB	C715	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB	C716	C-CERA C	CC725CH1H-102J1	1	342101024R1	
PCB	C717	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C718	VX C	CE04W16V-10M(VX)	1	393341007	
PCB	C719	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C721	ELECT C	CE04W16V47M(SC)	1	394744707	

PCB	C721 or	VR C	CE04W6.3V-47M(VR)	(1)	394624707	
PCB	C722	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C723	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C724	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C725	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB	C726	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB	C727	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB	C728	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C731	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C732	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C733	ELECT C	CE04W16V47M(SC)	1	394744707	
PCB	C733 or	VR C	CE04W6.3V-47M(VR)	(1)	394624707	
PCB	C735	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C736	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C737	ELECT C	CE04W16V47M(SC)	1	394744707	
PCB	C737 or	VR C	CE04W6.3V-47M(VR)	(1)	394624707	
PCB	C738	C-CERA C	CK732B1A-105K	1	337361055R2	
PCB	C739	C-CERA C	CC725CH1H-471J1	1	342104714R1	
PCB	C740	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C741	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C742	C-CERA C	CK732B1A-105K	1	337361055R2	
PCB	C743	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB	C745	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C748	C-CERA C	CC725CH1H-150J1	1	342101504R1	
PCB	C761	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C771	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C772	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C773	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C774	ELECT C	CE04W16V47M(SC)	1	394744707	
PCB	C774 or	VR C	CE04W6.3V-47M(VR)	(1)	394624707	
PCB	C775	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C776	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C777	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C778	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C779	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C780	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C781	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C791	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C792	ELECT C	CE04W16V47M(SC)	1	394744707	
PCB	C792 or	VR C	CE04W6.3V-47M(VR)	(1)	394624707	
PCB	C793	ELECT C	CE04W16V47M(SC)	1	394744707	
PCB	C793 or	VR C	CE04W6.3V-47M(VR)	(1)	394624707	
PCB	C795	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C796	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C901	IS C	RE275V-103M	1	3500196S	!
PCB	C901 or	IS C	MKP R46 103M	(1)	3500202S	!
PCB	C902	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C903	ELECT C	CE04W16V470M(SC)	1	394744717	
PCB	C903 or	VR C	CE04W16V-470M(VR)	(1)	394644717	
PCB	C904	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C911	TF C	ECQ-V50V-334J	1	374723344	
PCB	C912	TF C	ECQ-V50V-334J	1	374723344	
PCB	C913	ELECT C	CE04W25V2200M(SC)	1	394752227S	
PCB	C913 or	VR C	CE04W25V-2200M(VR)	(1)	394652227S	
PCB	C914	ELECT C	CE04W35V1000M(SC)	1	394761027S	
PCB	C914 or	VR C	CE04W35V-1000M(VR)	(1)	394661027S	
PCB	C916	ELECT C	CE04W16V220M(SC)	1	394742217	
PCB	C916 or	VR C	CE04W16V-220M(VR)	(1)	394642217	

PCB	C918	ELECT C	CE04W16V100M(SC)	1	394741017	
PCB	C918 or	VR C	CE04W16V-100M(VR)	(1)	394641017	
PCB	C919	ELECT C	CE04W50V2.2M(SC)	1	394780227	
PCB	C919 or	VR C	CE04W50V-2.2M(VR)	(1)	394680227	
PCB	C920	ELECT C	CE04W16V100M(SC)	1	394741017	
PCB	C920 or	VR C	CE04W16V-100M(VR)	(1)	394641017	
PCB	C921	TF C	ECQ-V50V-334J	1	374723344	
PCB	C922	ELECT C	CE04W16V4700M(SC)	1	394744727S	
PCB	C922 or	VR C	CE04W16V-4700M(VR)	(1)	394644727S	
PCB	C924	ELECT C	CE04W16V10M(SC)	1	394741007	
PCB	C924 or	VR C	CE04W16V-10M(VR)	(1)	394641007	
PCB	C925	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C926	ELECT C	CE04W16V10M(SC)	1	394741007	
PCB	C926 or	VR C	CE04W16V-10M(VR)	(1)	394641007	
PCB	C928	CHIP ELECT C	CEWX50V-2.2M	1	356780229R2	
PCB	C931	ELECT C	CE04W35V100M(SC)	1	394761017	
PCB	C931 or	VR C	CE04W35V-100M(VR)	(1)	394661017	
PCB	C932	ELECT C	CE04W50V47M(SC)	1	394784707	
PCB	C932 or	VR C	CE04W50V-47M(VR)	(1)	394684707	
PCB	C933	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C934	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C7001	ELECT C	CE04W6.3V100M(SC)	1	394721017	
PCB	C7001 or	VR C	CE04W6.3V-100M(VR)	(1)	394621017	
PCB	C7002	ELECT C	CE04W6.3V100M(SC)	1	394721017	
PCB	C7002 or	VR C	CE04W6.3V-100M(VR)	(1)	394621017	
PCB	C7003	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C7007	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C7032	ELECT C	CE04W6.3V100M(SC)	1	394721017	
PCB	C7032 or	VR C	CE04W6.3V-100M(VR)	(1)	394621017	
PCB	C7060	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C7061	ELECT C	CE04W50V-1M(SC)	1	394780107	
PCB	C7061 or	VR C	CE04W50V-1M(VR)	(1)	394680107	
PCB	C7062	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C7068	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C7069	C-CERA C	CC725CH1H-080D1	1	342100802R1	
PCB	C7070	TRIMMER	NTC-45P10	1	3060011	
PCB	C7071	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C7074	EDL C	FMC0H104Z	1	3000120	
PCB	C7091	ELECT C	CE04W16V22M(SC)	1	394742207	
PCB	C7091 or	VR C	CE04W16V-22M(VR)	(1)	394642207	
PCB	C7092	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB	C7093	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB	C7096	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C8001	ELECT C	CE04W6.3V-100M	1	355721019	
PCB	C8002	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C8003	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C8004	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C8005	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C8006	ELECT C	CE04W6.3V-100M	1	355721019	
PCB	C8007	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C8007 or	C-CERA C	CC725CH1H-102J1	(1)	342101024R1	
PCB	C8007 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	
PCB	C8008	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C8008 or	C-CERA C	CC725CH1H-102J1	(1)	342101024R1	
PCB	C8008 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	
PCB	C8009	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C8009 or	C-CERA C	CC725CH1H-102J1	(1)	342101024R1	
PCB	C8009 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	

PCB	C8010	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C8010 or	C-CERA C	CC725CH1H-102J1	(1)	342101024R1	
PCB	C8010 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	
PCB	C8011	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C8011 or	C-CERA C	CC725CH1H-102J1	(1)	342101024R1	
PCB	C8011 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	
PCB	C8012	C-CERA C	CC725CH1E-102J1	1	342111024R1	
PCB	C8012 or	C-CERA C	CC725CH1H-102J1	(1)	342101024R1	
PCB	C8012 or	C CERA-C	CC725CH1E-102K1	(1)	342111025R1	
PCB	C8013	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB	C8101	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C8102	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C8103	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C8104	ELECT C	CE04W50V-1M	1	355780109	
PCB	C8105	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	C8106	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB	R101	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB	R102	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB	R105	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R108	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R111	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R112	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R113	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R301	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R302	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R303	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R304	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R305	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R306	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R307	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R308	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R309	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R310	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R311	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R312	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R313	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R314	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R315	C-CARBON R	RN72K1J-474JE	1	435034744R1	
PCB	R316	C-CARBON R	RN72K1J-474JE	1	435034744R1	
PCB	R317	C-CARBON R	RN72K1J-474JE	1	435034744R1	
PCB	R318	C-CARBON R	RN72K1J-474JE	1	435034744R1	
PCB	R325	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R326	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R327	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R328	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R329	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R330	C-CARBON R	RN72K1J-271JE	1	435032714R1	
PCB	R331	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R332	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R333	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R334	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R335	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R336	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R337	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB	R338	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB	R339	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB	R340	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB	R341	C-CARBON R	RN72K1J-101JE	1	435031014R1	

PCB	R342	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB	R343	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB	R344	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB	R351	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R352	C-CARBON R	RN72K1J-682JE	1	435036824R1	
PCB	R353	C-CARBON R	RN72K1J-183JE	1	435031834R1	
PCB	R354	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB	R355	C-CARBON R	RN72K1J-332JE	1	435033324R1	
PCB	R356	C-CARBON R	RN72K1J-332JE	1	435033324R1	
PCB	R357	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB	R358	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB	R359	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB	R360	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB	R361	C-CARBON R	RN72K1J-562JE	1	435035624R1	
PCB	R362	C-CARBON R	RN72K1J-562JE	1	435035624R1	
PCB	R363	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R364	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R365	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R366	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R367	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R368	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R369	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R370	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R371	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB	R380	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB	R381	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R382	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R383	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R384	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R385	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R386	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R387	C-CARBON R	RN72K1J-183JE	1	435031834R1	
PCB	R388	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB	R389	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB	R390	C-CARBON R	RN72K1J-153JE	1	435031534R1	
PCB	R401	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R402	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R403	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R404	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R405	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R406	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R411	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R412	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R413	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R414	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R415	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R416	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R421	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R422	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R423	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R424	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R425	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R426	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R702	EMIFIL	BK1608LM182-T	1	230958R1	
PCB	R703	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R704	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R705	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R706	C-CARBON R	RN72K1J-470JE	1	435034704R1	

PCB	R707	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R708	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R709	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R710	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R711	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R712	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R713	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R714	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R715	C-CARBON R	RN72K1J-183JE	1	435031834R1	
PCB	R716	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB	R717	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R718	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R719	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R720	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R721	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R722	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R723	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB	R724	C-CARBON R	RN72K1J-154JE	1	435031544R1	
PCB	R725	C-CARBON R	RN72K1J-154JE	1	435031544R1	
PCB	R726	C-CARBON R	RN72K1J-154JE	1	435031544R1	
PCB	R730	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R732	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R733	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R734	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB	R735	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R736	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R737	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R738	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R739	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R740	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R741	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R742	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R743	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R744	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R745	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R746	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R747	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R748	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R749	EMIFIL	BK1608LM182-T	1	230958R1	
PCB	R750	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB	R751	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R752	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB	R753	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB	R754	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R755	EMIFIL	BK1608LM182-T	1	230958R1	
PCB	R756	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB	R757	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R758	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R759	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R760	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R761	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB	R762	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R763	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R764	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R765	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R766	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R767	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R768	C-CARBON R	RN72K1J-221JE	1	435032214R1	

PCB	R769	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R770	C-CARBON R	RN72K1J-105JE	1	435031054R1	
PCB	R771	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R772	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R773	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R774	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R775	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R776	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R777	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R778	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R780	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB	R781	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R782	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R783	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R784	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R785	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R786	C-CARBON R	RN72K1J-100JE	1	435031004R1	
PCB	R787	C-CARBON R	RN72K1J-100JE	1	435031004R1	
PCB	R788	C-CARBON R	RN72K1J-100JE	1	435031004R1	
PCB	R789	C-CARBON R	RN72K1J-100JE	1	435031004R1	
PCB	R790	C-CARBON R	RN72K1J-100JE	1	435031004R1	
PCB	R791	C-CARBON R	RN72K1J-100JE	1	435031004R1	
PCB	R792	C-CARBON R	RN72K1J-100JE	1	435031004R1	
PCB	R793	C-CARBON R	RN72K1J-100JE	1	435031004R1	
PCB	R901	METAL O R	RS1/2WBJ-82	1	443528204	
PCB	R902	METAL R	RNU1/2WCJ-1	1	453530104	
PCB	R903	METAL R	RNU1/2WCJ-0.22	1	453532294	
PCB	R904	METAL R	RNU1/2WCJ-0.22	1	453532294	
PCB	R905	METAL R	RNU1/2WCJ-0.22	1	453532294	
PCB	R906	METAL R	RNU1/2WCJ-2.2	1	453530224	
PCB	R911	METAL O R	RS1/2WBJ-10	1	443521004	
PCB	R912	METAL O R	RS1WBJ-150	1	443621514	
PCB	R913	METAL O R	RS1WBJ-100	1	443621014	
PCB	R914	METAL O R	RS1WBJ-100	1	443621014	
PCB	R921	METAL R	RNU1WCJ-1	1	453630104	
PCB	R922	METAL R	RNU1/2WCJ-2.2	1	453530224	
PCB	R923	METAL R	RNU1/2WCJ-1.5	1	453530154	
PCB	R931	METAL O R	RS1/2WBJ-22	1	443522204	
PCB	R932	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R933	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB	R7001	C-CARBON R	RN72K1J-563JE	1	435035634R1	
PCB	R7002	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R7003	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R7015	C-CARBON R	RN72K1J-820JE	1	435038204R1	
PCB	R7016	C-CARBON R	RN72K1J-820JE	1	435038204R1	
PCB	R7017	C-CARBON R	RN72K1J-820JE	1	435038204R1	
PCB	R7018	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7019	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7020	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R7021	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R7022	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB	R7026	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7031	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7032	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB	R7034	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7035	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7036	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7037	C-CARBON R	RN72K1J-102JE	1	435031024R1	

PCB	R7038	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7039	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7040	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R7041	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7042	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7046	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7047	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7048	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7049	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7050	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7051	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7052	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7053	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7054	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7055	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7056	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7057	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7058	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7059	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7064	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7066	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R7074	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB	R7076	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R7077	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R7078	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R7079	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R7080	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R7081	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R7082	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R7083	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R7084	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R7091	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB	R7092	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R7093	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB	R7094	THERMISTOR	RXE010	1	4000213	
PCB	R7095	METAL O R	RS1WBJ-22	1	443622204T	
PCB	R7096	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7097	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7098	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R7101	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB	R7115	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R7116	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R7120	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R7121	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R7122	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB	R7132	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R7137	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R7140	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R7160	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB	R7162	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB	R7171	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB	R8001	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB	R8002	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R8003	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB	R8004	C-CARBON R	RN72K1J-820JE	1	435038204R1	
PCB	R8005	C-CARBON R	RN72K1J-820JE	1	435038204R1	
PCB	R8006	C-CARBON R	RN72K1J-820JE	1	435038204R1	
PCB	R8007	C-CARBON R	RN72K1J-103JE	1	435031034R1	

PCB	R8011	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB	R8012	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB	R8013	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R8014	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R8015	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R8016	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R8017	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB	R8018	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB	R8020	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R8021	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB	R8022	C-CARBON R	RN72K1J-561JE	1	435035614R1	
PCB	R8023	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R8024	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R8025	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R8026	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R8027	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB	R8028	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB	R8029	C-CARBON R	RN72K1J-821JE	1	435038214R1	
PCB	R8030	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R8031	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB	R8032	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R8033	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R8034	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R8035	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R8036	C-CARBON R	RN72K1J-181JE	1	435031814R1	
PCB	R8037	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R8038	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB	R8102	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB	R8103	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB	RL901	RELAY	NRL-1P5A-DC9-162	1	25065634	!
PCB	RL901 or	RELAY	NRL-1P5A-DC9-150	(1)	25065601	!
PCB	RL901 or	RELAY	NRL-1P5A-DC9-152	(1)	25065603	!
PCB	F901A	FUSE HOL	NSCT-1P2031	1	25052133	!
PCB	F901A	LABEL	T500MA/250V	1	29360384	
PCB	F901B	FUSE HOL	NSCT-1P2031	1	25052133	!
PCB	P101	SOCKET	NSCT-15P2108	1	25052211	
PCB	P301	PIN JACK	NPJ-4PDRW389	1	25045575	
PCB	P302	PIN JACK	NPJ-6PWRLGGP493	1	25045697	
PCB	P303	PIN JACK	NPJ-6PWRLGGP493	1	25045697	
PCB	P304	JACK	NPJ-4PDBL287	1	25045469	
PCB	P351	JACK	LGT1516-0101	1	25045396	
PCB	P701A	PLUG	NPLG-15P667	1	25055711	
PCB	P701B	SOCKET	NSCT-15P1030	1	25051240	
PCB	P702A	PLUG	NPLG-15P667	1	25055711	
PCB	P702B	SOCKET	NSCT-15P1030	1	25051240	
PCB	P703A	PLUG	NPLG-15P667	1	25055711	
PCB	P703B	SOCKET	NSCT-15P1030	1	25051240	
PCB	P704A	PLUG	NPLG-15P667	1	25055711	
PCB	P704B	SOCKET	NSCT-15P1030	1	25051240	
PCB	P7091	ST JACK	HSJ1002-01-1020	1	25045647	
PCB	P791	TRM(SCREW)	NEGITANSI M3	1	25065425	
PCB	P792	TRM(SCREW)	NEGITANSI M3	1	25065425	
PCB	P901A	PLUG	NPLG-2P631	1	25055675	!
PCB	P912A	PLUG	NPLG-15P667	1	25055711	
PCB	P912B	SOCKET	NSCT-15P1030	1	25051240	
PCB	P913A	PLUG	NPLG-15P667	1	25055711	
PCB	P913B	SOCKET	NSCT-15P1030	1	25051240	
PCB	P7001	PLUG	NPLG-8P660	1	25055704	

PCB	P7002	PLUG	NPLG-2P29	1	25055038	
PCB	P8002A	SOCKET AS	NSAS-24P1151	1	2002A392410	
PCB	P8002B	PLUG	NPLG-12P140	1	25055156	
PCB	S8001	R ENCODE	EC16B2425	1	25065656	
PCB	S8002	PUSH SW	NPS-111-S681	1	25035718	
PCB	S8003	PUSH SW	NPS-111-S681	1	25035718	
PCB	S8004	PUSH SW	NPS-111-S681	1	25035718	
PCB	S8005	PUSH SW	NPS-111-S681	1	25035718	
PCB	S8006	PUSH SW	NPS-111-S681	1	25035718	
PCB	S8007	PUSH SW	NPS-111-S681	1	25035718	
PCB	S8008	R ENCODE	EC12E2424407	1	25065629	
PCB	E701	RETAINER	KANAGU	1	27141059	
PCB	JL301A	WIRE HOL	NSCT-5P876	1	25051089	
PCB	JL301B	WIRE TRAP	NPLG-5P588	1	25055626	
PCB	JL302A	WIRE HOL	NSCT-7P878	1	25051091	
PCB	JL302B	WIRE TRAP	NPLG-7P590	1	25055628	
PCB	JL811A	WIRE HOL	NSCT-3P874	1	25051087	
PCB	JL811B	WIRE HOL	NSCT-3P874	1	25051087	

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