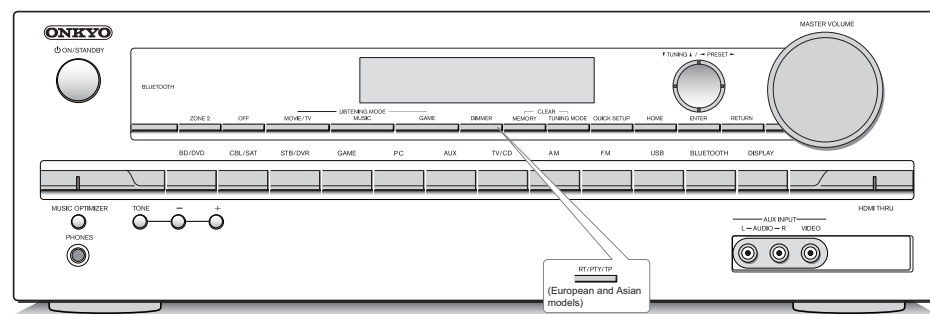


# ONKYO® SERVICE MANUAL

## AV RECEIVER MODEL HT-RC630(B)




RC-879M

### Black model

B MDC	120V AC, 60Hz
B MMR	220-240V AC, 50/60Hz
B MPP	230V 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.

Onkyo Corporation  
Service Department

## DEBUG MODE-1

### AUDIO DEBUG MODE-1/5

The operations of DSP and DIR etc are able to checked by the information displayed on FL in this debug mode. This information will help to analysing digital audio no sound trouble.

#### To set in Debug mode

1. Press **twice** the **ON/ STANDBY** key while pressing the **DISPLAY** key.

e.g. *M1.03/14307ALN* — The version number of Microprocessor is displayed only for 3 seconds.

2. Press **+** (**TONE**) button while the version number of microprocessor is displayed.

e.g. *N1.02/14210ALA* — The version number of DSP is displayed only for 3 seconds.

3. Press **DISPLAY** button while the version number of DSP is displayed.

e.g. *0A0002: :00* **Step-1**

4. Proceed to the next step by pressing the **DISPLAY** key.

*ANA:o:NON:C:* **Step-2**



*1:ANA 048k048k* **Step-3**



*2/0.0: 2.0:3/4* **Step-4**



*2:o:PCM :PCM* **Step-5**



*00:x:F:OFF* **Step-6**



*SP00F\*00F00409* **Step-7**



*48 48256STB* **Step-8**



*L :0000 0000*



*SW :0000 0000*



Exit

#### AUDIO debug mode

The status of DSP and DIR etc will be displayed.

## DEBUG MODE-2

## AUDIO DEBUG MODE-2/5

FL Display

Step-1

1	1	2	2	3	3	:	4	4	:	5	5		
---	---	---	---	---	---	---	---	---	---	---	---	--	--

## 1. st\_srd.lmd

01	C_LM_LAST
02	C_LM_PURE
03	C_LM_DIRECT
04	C_LM_STEREO
05	C_LM_MONO
20	C_LM_SURR
50	C_LM_THX_MUSIC
70	C_LM_THX_GAME
90	C_LM_THX_CINEMA
A0	C_LM_THX_U2GAME
A8	C_LM_THX_U2MUSIC
B0	C_LM_THX_U2CINEMA
D0	C_LM_AUDYSSEY
48	C_LM_DTSSS
06	C_LM_ORCHESTRA
07	C_LM_UNPLUGGED
08	C_LM_STUDIOMIX
09	C_LM_TVLOGIC
0A	C_LM_ALLCHST
0B	C_LM_FULLMONO
0C	C_LM_TD
F1	C_LM_TESTTONE
F2	C_LM_TESTTHR
F3	C_LM_TESTAUTO

## 2. st\_srd.extdec

00	C_EXTDEC_OFF
01	C_EXTDEC_20_PLII
02	C_EXTDEC_20_PLIIX
03	C_EXTDEC_20_PLIIZ
04	C_EXTDEC_20_NEO6
05	C_EXTDEC_51_MTR
06	C_EXTDEC_51_DSC
07	C_EXTDEC_51_NEO6
08	C_EXTDEC_51_EX
09	C_EXTDEC_51_PLIIX
0A	C_EXTDEC_51_PLIIZ
0B	C_EXTDEC_9624
0C	C_EXTDEC_9624_MTR
0E	C_EXTDEC_71MULTI
0F	C_EXTDEC_20_NEURAL
10	C_EXTDEC_51_NEURAL

## 3. st\_srd.extdecmd

00	C_EXTDECMD_OFF
01	C_EXTDECMD_10
02	C_EXTDECMD_20
03	C_EXTDECMD_MOVIE
04	C_EXTDECMD_MUSIC
05	C_EXTDECMD_GAME
06	C_EXTDECMD_HEIGHT
07	C_EXTDECMD_WIDE

## 4. Muting port

D	DIGMUTE port
A	AMUTE port

## 5. Factor of muting

bit_1	SELMUTE
bit_2	POWMUTE
bit_3	PROTECTMUTE
bit_4	AUDIOOUTMUTE
bit_5	AUDIOMUTE
bit_6	DIRMUTE
bit_7	DACMUTE
bit_8	HDMIMUTE

Step-2

6	6	6	:	7	:	8	8	8	:	9	:	10	
---	---	---	---	---	---	---	---	---	---	---	---	----	--

## 6. Audio input channel

ANA	Analog
COX	Coaxial
OPT	Optical
HDM	HDMI
ARC	ARC

## 7. DSP decode

o	DSP Detect OK
x	DSP No Detect

## 8. HDMI audio lock

STB	SOUND STATE FIX
TRS	SOUND STATE UNFIX
NON	SOUND STATE NONE

## 9. Display inhibit frag

S	display_inhibit SET
C	display_inhibit CLR

## 10. RX mute

V	HDMI MUTE
---	-----------

## DEBUG MODE-3

## AUDIO DEBUG MODE-3/5

## Step-3

1	:	11	11	11	11	12	12	12	k	13	13	13	k
---	---	----	----	----	----	----	----	----	---	----	----	----	---

## 11. Source\_format

UNLK	DDR_UNLOCK
ANA	DDR_ANALOG
PCM	DDR_PCM
AC3	DDR_AC3
DTS	DDR_DTS
MPEG	DDR_MPEG
DATA	DDR_DATA
UNKW	DDR_UNKNOWN
NORD	DDR_NOT_READY
NPCM	DDR_NOT_PCM
FS96	DDR_FS96
NODT	DDR_NOT_DETECT

DTSC	DDR_DTSCD
AAC	DDR_AAC
MPCM	DDR_MCHPCM
MCH	DDR_MCH
TRUE	DDR_TRUE
MSTR	DDR_MSTR
DSD	DDR_DSD
PLUS	DDR_DDPLUS
EXPR	DDR_DTSEXP
DTSH	DDR_DTSHD

## 12. st\_srd.fs

???	unknown
008	8kHz
011	11kHz
012	12kHz
016	16kHz
022	22kHz
024	24kHz
032	32kHz
044	44.1kHz
048	48kHz
064	64Hz
088	88.2kHz
096	96kHz
176	176.4kHz
192	192kHz

## 13. st\_hd\_display.fs

???	unknown
008	8kHz
011	11kHz
012	12kHz
016	16kHz
022	22kHz
024	24kHz
032	32kHz
044	44.1kHz
048	48kHz
064	64Hz
088	88.2kHz
096	96kHz
176	176.4kHz
192	192kHz

## Step-4

14	14	14	.	15	:	16	16	16	16	:	17	17	17
----	----	----	---	----	---	----	----	----	----	---	----	----	----

## 14. Information of the input channels for listening mode transition

???	C_FMT_UNKNOWN
10	C_FMT_10
20	C_FMT_20
30	C_FMT_30
21	C_FMT_21
31	C_FMT_31
22	C_FMT_22
32	C_FMT_32
23	C_FMT_23
33	C_FMT_33
24	C_FMT_24
34	C_FMT_34
4H2	C_FMT_42H
5H2	C_FMT_52H
4W2	C_FMT_42W
5W2	C_FMT_52W
4H4	C_FMT_44H

4H3	C_FMT_43H
5H4	C_FMT_54H
5H3	C_FMT_53H
4W4	C_FMT_44W
4W3	C_FMT_43W
5W4	C_FMT_54W
5W3	C_FMT_53W
11	C_FMT_11

## 15. Information of the LFE channel input

0	SW 0ch
1	SW 1ch
2	SW 2ch

16. Channel information for the FL display  
four-digit string "10.2" "5.1" "1 +1"

## 17. Number of channels after decoding

???	C_FMT_UNKNOWN
10	C_FMT_10
20	C_FMT_20
30	C_FMT_30
21	C_FMT_21

31	C_FMT_31
22	C_FMT_22
32	C_FMT_32
23	C_FMT_23
33	C_FMT_33
24	C_FMT_24
34	C_FMT_34
4H2	C_FMT_42H
5H2	C_FMT_52H
4W2	C_FMT_42W
5W2	C_FMT_52W
4H4	C_FMT_44H
4H3	C_FMT_43H
5H4	C_FMT_54H
5H3	C_FMT_53H
4W4	C_FMT_44W
4W3	C_FMT_43W
5W4	C_FMT_54W
5W3	C_FMT_53W
11	C_FMT_11

## DEBUG MODE-4

## AUDIO DEBUG MODE-4/5

## Step-5

2	:	18	:	19	19	19	19	:	20	20	20	20	
---	---	----	---	----	----	----	----	---	----	----	----	----	--

## 18. Audio output OK/NG

o	decode OK
x	decode NG

## 19. Details of input format

ANA	C_SRC_ANA
PCM	C_SRC_PCM
DLB	C_SRC_DD
DEX	C_SRC_DD_EX
DTS	C_SRC_DTS
MTR	C_SRC_DTS_MTR
DSC	C_SRC_DTS_DSC
D96	C_SRC_DTS_96
96M	C_SRC_DTS_96M
AAC	C_SRC_AAC
MCH	C_SRC_MCH
DSP	C_SRC_DSP
MPCM	C_SRC_MCHPCM
DSD	C_SRC_DSD
TRUE	C_SRC_TRUE
TREX	C_SRC_TRUE_EX
MSTR	C_SRC_MSTR
PLUS	C_SRC_DDPLUS
PLEX	C_SRC_DDPLUS_EX
EXP	C_SRC_DTSEXP
DTSH	C_SRC_DTSHD
DSUR	C_SRC_DD_SUR
DPSR	C_SRC_DDPLUS_SUR
TRSR	C_SRC_TRUE_SUR

## 20. Details of the format for the FL display

ANA	C_SRC_ANA
PCM	C_SRC_PCM
DLB	C_SRC_DD
DEX	C_SRC_DD_EX
DTS	C_SRC_DTS
MTR	C_SRC_DTS_MTR
DSC	C_SRC_DTS_DSC
D96	C_SRC_DTS_96
96M	C_SRC_DTS_96M
AAC	C_SRC_AAC
MCH	C_SRC_MCH
DSP	C_SRC_DSP
MPCM	C_SRC_MCHPCM
DSD	C_SRC_DSD
TRUE	C_SRC_TRUE
TREX	C_SRC_TRUE_EX
MSTR	C_SRC_MSTR
PLUS	C_SRC_DDPLUS
PLEX	C_SRC_DDPLUS_EX
EXP	C_SRC_DTSEXP
DTSH	C_SRC_DTSHD
DSUR	C_SRC_DD_SUR
DPSR	C_SRC_DDPLUS_SUR
TRSR	C_SRC_TRUE_SUR

## Step-6

	21	21	:	22	:	23	:	24	24	24		25	25
--	----	----	---	----	---	----	---	----	----	----	--	----	----

## 21. Dialog norm

Dialog Norm value from 0 to 31

## 22. Return value of DIRINT Request\_dir (DDC\_STATUS)

o	LOCK
x	UNLOCK

## 23. Return value of DIR busy or free Request\_dir (DDC\_BUSY)

F	Free
B	Busy

## 24. emphasis of information

ON	ON
OFF	OFF

## 25. HDDVD/BLUE(only DDPLUS)

BD	Bluray
HD	HDDVD

## DEBUG MODE-5

## AUDIO DEBUG MODE-5/5

Step-7

26	26	27	27	28	*	29	*	30	30	31	31	32	32
----	----	----	----	----	---	----	---	----	----	----	----	----	----

## 26. AudiolF DA830 input

IH	AUD_IF_I2S_H
DS	AUD_IF_DSD
IS	AUD_IF_I2S
NT	AUD_IF_NET
SP	AUD_IF_SPDIF
AD	AUD_IF_ADC
HR	AUD_IF_DDDTSHR

## 27. Information of DIR Burst Preamble

DS	DTSHD HR
DP	DD PLUS
Preamble Val	0x??

## 28. DIR Free or Busy

F	Free
B	Busy

## 29. DIR Detect Fs

00	CLOCK_FREQ_UNKNOWN
01	CLOCK_FREQ_8K
02	CLOCK_FREQ_11K
03	CLOCK_FREQ_12K
04	CLOCK_FREQ_16K
05	CLOCK_FREQ_22K
06	CLOCK_FREQ_24K
07	CLOCK_FREQ_32K
08	CLOCK_FREQ_44K
09	CLOCK_FREQ_48K
0A	CLOCK_FREQ_64K

0B	CLOCK_FREQ_88K
0C	CLOCK_FREQ_96K
0D	CLOCK_FREQ_128K
0E	CLOCK_FREQ_176K
0F	CLOCK_FREQ_192K

## 30. DIR sequence number

00	SEQ_DIG_POWEROFF
10	SEQ_DIG_RESET
11	SEQ_DIG_POWERON_WAIT
12	SEQ_DIG_RESTART
13	SEQ_DIG_WAIT_HDMI_FREE
20	SEQ_DIG_INPSEL_SET
30	SEQ_DIG_ANALOG_SET
31	SEQ_DIG_DIGITAL_SET
32	SEQ_DIG_MCHPCM_SET
33	SEQ_DIG_MCHANA_SET
34	SEQ_DIG_DDPDTSHD_SET
35	SEQ_DIG_NET_SET
40	SEQ_DIG_INIT_ERROR
41	SEQ_DIG_CHK_ERROR1
42	SEQ_DIG_CHK_ERROR2
43	SEQ_DIG_CHK_FREE
50	SEQ_DIG_CHK_ANALOG
60	SEQ_DIG_LOCK_PLL
61	SEQ_DIG_LOCK_ANA
f0	SEQ_DIG_FREE
f1	SEQ_DIG_FREE_ANA

## 31. DIR switch sequence number

00	SEQ_SWITCH_POWEROFF
01	SEQ_SWITCH_RESET
02	SEQ_SWITCH_POWERON_WAIT
03	SEQ_SWITCH_CHANGE
04	SEQ_SWITCH_FREE

## 32. DAC sequence number

00	SEQ_DAC_POWEROFF
01	SEQ_DAC_RESET
02	SEQ_DAC_POWERON_WAIT
03	SEQ_DAC_INITIALIZE
04	SEQ_DAC_RESTART
05	SEQ_DAC_CMND_SET
06	SEQ_DAC_FREE_WAIT
07	SEQ_DAC_FREE

Step-8

33	33	33	34	34	34	35	35	35	36	36	36		
----	----	----	----	----	----	----	----	----	----	----	----	--	--

## 33. Information of the input FS of DA830

UNK	C_FS_UNKNOWN
8	C_FS_08
11	C_FS_11
12	C_FS_12
16	C_FS_16
22	C_FS_22
24	C_FS_24
32	C_FS_32
44	C_FS_44
48	C_FS_48
64	C_FS_64
88	C_FS_88
96	C_FS_96
176	C_FS_176
192	C_FS_192

## 34. Information of the output FS of DA830

UNK	C_FS_UNKNOWN
8	C_FS_08
11	C_FS_11
12	C_FS_12
16	C_FS_16
22	C_FS_22
24	C_FS_24
32	C_FS_32
44	C_FS_44
48	C_FS_48
64	C_FS_64
88	C_FS_88
96	C_FS_96
176	C_FS_176
192	C_FS_192

## 35. Information of the input MCLK of DA830

64	AUD_MCLK_64Fs
128	AUD_MCLK_128Fs
256	AUD_MCLK_256Fs
384	AUD_MCLK_384Fs
512	AUD_MCLK_512Fs
640	AUD_MCLK_640Fs
768	AUD_MCLK_768Fs

## 36. State of the audio input of DA830

NO	AUD_STS_SOUND_NO
TRS	AUD_STS_SOUND_TRANS
STB	AUD_STS_SOUND_STAB

## DEBUG MODE-6

### HDMI RESOLUTION DISPLAY-1/6

HDMI-related operations can be checked to some extent by displaying HDMI resolution display mode.

#### To enter this mode

Hold down **DISPLAY** button for 3 seconds. Information display will last for about 8 seconds.

Resolution display      0 1 2 3 4 5 6 7 8 9 10 11 12 13  
 1 0 8 0 p / 6 0      1 6 : 9

↓ Press RETURN button

Status display      H 1 6 4 4 4 2 4 b i t

DVI input signal	<table border="1"> <tr><td>4</td><td>8</td><td>0</td><td>I</td><td>/</td><td>6</td><td>0</td><td></td><td>4</td><td>:</td><td>3</td></tr> <tr><td>4</td><td>8</td><td>0</td><td>P</td><td>/</td><td>6</td><td>0</td><td></td><td>4</td><td>:</td><td>3</td></tr> </table>	4	8	0	I	/	6	0		4	:	3	4	8	0	P	/	6	0		4	:	3		
4	8	0	I	/	6	0		4	:	3															
4	8	0	P	/	6	0		4	:	3															
Refresh rate is 3 orders of magnitude	<table border="1"> <tr><td>4</td><td>8</td><td>0</td><td>p</td><td>1</td><td>2</td><td>0</td><td></td><td>4</td><td>:</td><td>3</td></tr> </table>	4	8	0	p	1	2	0		4	:	3													
4	8	0	p	1	2	0		4	:	3															
Pixel Repetition	<table border="1"> <tr><td>D</td><td>4</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td></td><td>4</td><td>:</td><td>3</td></tr> <tr><td>Q</td><td>4</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td></td><td>4</td><td>:</td><td>3</td></tr> </table>	D	4	8	0	p	/	6	0		4	:	3	Q	4	8	0	p	/	6	0		4	:	3
D	4	8	0	p	/	6	0		4	:	3														
Q	4	8	0	p	/	6	0		4	:	3														
VGA input signal	<table border="1"> <tr><td></td><td></td><td></td><td>V</td><td>G</td><td>A</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>				V	G	A																		
			V	G	A																				
Aspect display	<table border="1"> <tr><td>1</td><td>0</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td>2</td><td>1</td><td>:</td><td>9</td></tr> </table>	1	0	8	0	p	/	6	0	2	1	:	9												
1	0	8	0	p	/	6	0	2	1	:	9														
No input (VIC=0)	<table border="1"> <tr><td>U</td><td>n</td><td>k</td><td>n</td><td>o</td><td>w</td><td>n</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	U	n	k	n	o	w	n																	
U	n	k	n	o	w	n																			
RSEN is OFF	<table border="1"> <tr><td>1</td><td>0</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td>1</td><td>6</td><td>:</td><td>9</td><td>*</td></tr> </table>	1	0	8	0	p	/	6	0	1	6	:	9	*											
1	0	8	0	p	/	6	0	1	6	:	9	*													
EDID_READ is NG	<table border="1"> <tr><td>1</td><td>0</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td>1</td><td>6</td><td>:</td><td>9</td><td>#</td></tr> </table>	1	0	8	0	p	/	6	0	1	6	:	9	#											
1	0	8	0	p	/	6	0	1	6	:	9	#													
Resolution Error	<table border="1"> <tr><td>1</td><td>0</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td>1</td><td>6</td><td>:</td><td>9</td><td>E</td></tr> </table>	1	0	8	0	p	/	6	0	1	6	:	9	E											
1	0	8	0	p	/	6	0	1	6	:	9	E													
No output (Signal output destination can not be found.)	<table border="1"> <tr><td>1</td><td>0</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td>1</td><td>6</td><td>:</td><td>9</td><td>x</td></tr> </table>	1	0	8	0	p	/	6	0	1	6	:	9	x											
1	0	8	0	p	/	6	0	1	6	:	9	x													
Hot-plug of Sink equipment can not be detected.	<table border="1"> <tr><td>1</td><td>0</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td>1</td><td>6</td><td>:</td><td>9</td><td>-</td></tr> </table>	1	0	8	0	p	/	6	0	1	6	:	9	-											
1	0	8	0	p	/	6	0	1	6	:	9	-													

## DEBUG MODE-7

### HDMI RESOLUTION DISPLAY-2/6

Status		
Input Mode	HDMI input	H 1 6 4 4 4 2 4 b i t
	DVI input	D 1 6 4 4 4 2 4 b i t
VIC	16	H 1 6 4 4 4 2 4 b i t
	107	H 1 0 7 4 4 4 2 4 b i t
Input Color	RGB	H 1 6 R G B 2 4 b i t
	420	H 1 6 4 2 0 2 4 b i t
	422	H 1 6 4 2 2 2 4 b i t
	444	H 1 6 4 4 4 2 4 b i t
Deep Color	24bit	H 1 6 R G B 2 4 b i t
	30bit	H 1 6 R G B 3 0 b i t
	36bit	H 1 6 R G B 3 6 b i t



# DEBUG MODE-8

## HDMI RESOLUTION DISPLAY-3/6

4K

Resolution display

0	1	2	3	4	5	6	7	8	9	10	11	12	13
3	8	4	0	x	2	1	6	0	p	/	6	0	

↓ Press RETURN button

Status display

H		9	7		4	2	0		2	4	b	i	t
---	--	---	---	--	---	---	---	--	---	---	---	---	---

Display list

video Code	Resolution												
93	3	8	4	0	x	2	1	6	0	p	/	2	4
94	3	8	4	0	x	2	1	6	0	p	/	2	5
95	3	8	4	0	x	2	1	6	0	p	/	3	0
96	3	8	4	0	x	2	1	6	0	p	/	5	0
97	3	8	4	0	x	2	1	6	0	p	/	6	0
98	4	0	9	6	x	2	1	6	0	p	/	2	4
99	4	0	9	6	x	2	1	6	0	p	/	2	5
100	4	0	9	6	x	2	1	6	0	p	/	3	0
101	4	0	9	6	x	2	1	6	0	p	/	5	0
102	4	0	9	6	x	2	1	6	0	p	/	6	0
103	3	8	4	0	x	2	1	6	0	p	W	2	4
104	3	8	4	0	x	2	1	6	0	p	W	2	5
105	3	8	4	0	x	2	1	6	0	p	W	3	0
106	3	8	4	0	x	2	1	6	0	p	W	5	0
107	3	8	4	0	x	2	1	6	0	p	W	6	0

## DEBUG MODE-9

## HDMI RESOLUTION DISPLAY-4/6

## 3D Display

Resolution display

0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0	8	0	p	/	2	4		(	3	D	)	



Status display

F	r	a	m	e		P	a	c	k	i	n	g	
---	---	---	---	---	--	---	---	---	---	---	---	---	--

## 3D format

3D format	
Frame Packing	F r a m e P a c k i n g
Field alternative	F a l t e r n a t i v e
Line alternative	L a l t e r n a t i v e
Side-by-Side (Full)	S i d e b y S i d e ( F )
L+depth	L + d e p t h
L+depth + graphics	L + d e p t h g r a p h i c
Side by Side(Harf)	S i d e b y S i d e ( H )
Top and Bottom	T o p - a n d - B o t t o m
Unknown	U N K N O W N

# DEBUG MODE-10

## HDMI RESOLUTION DISPLAY-5/6

### PC RESOLUTION

Input Resolution display

0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0	2	4	x		7	6	8	p	/	6	0	



Press RETURN button

Status display

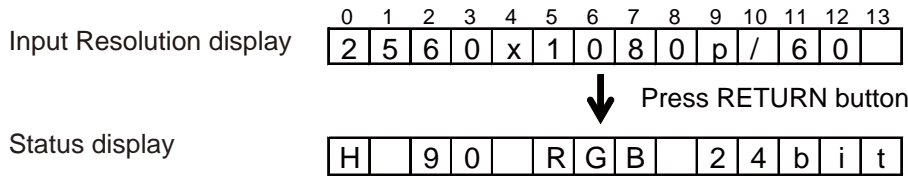
H	2	5	6		R	G	B		2	4	b	i	t
---	---	---	---	--	---	---	---	--	---	---	---	---	---

Display of Input resolution															
	<table border="1"> <tr> <td>*</td><td>*</td><td>*</td><td>*</td><td>x</td><td>*</td><td>*</td><td>*</td><td>*</td><td>p</td><td>/</td><td>*</td><td>*</td><td></td> </tr> </table> <p style="text-align: center;"> <span style="margin-right: 100px;">Horizontal resolution</span> <span style="margin-right: 100px;">Vertical resolution</span> <span>Referat</span> </p>	*	*	*	*	x	*	*	*	*	p	/	*	*	
*	*	*	*	x	*	*	*	*	p	/	*	*			
DVI input	<table border="1"> <tr> <td>1</td><td>0</td><td>2</td><td>4</td><td>x</td><td></td><td>7</td><td>6</td><td>8</td><td>P</td><td>/</td><td>6</td><td>0</td><td></td> </tr> </table>	1	0	2	4	x		7	6	8	P	/	6	0	
1	0	2	4	x		7	6	8	P	/	6	0			
HDMI input	<table border="1"> <tr> <td>1</td><td>0</td><td>2</td><td>4</td><td>x</td><td></td><td>7</td><td>6</td><td>8</td><td>p</td><td>/</td><td>6</td><td>0</td><td></td> </tr> </table>	1	0	2	4	x		7	6	8	p	/	6	0	
1	0	2	4	x		7	6	8	p	/	6	0			
Three-digit numbers are Referat	<table border="1"> <tr> <td>1</td><td>0</td><td>2</td><td>4</td><td>x</td><td></td><td>7</td><td>6</td><td>8</td><td>P</td><td>1</td><td>2</td><td>0</td><td></td> </tr> </table>	1	0	2	4	x		7	6	8	P	1	2	0	
1	0	2	4	x		7	6	8	P	1	2	0			
No input	<table border="1"> <tr> <td>U</td><td>N</td><td>K</td><td>N</td><td>O</td><td>W</td><td>N</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>	U	N	K	N	O	W	N							
U	N	K	N	O	W	N									

## DEBUG MODE-11

## HDMI RESOLUTION DISPLAY-6/6

21:9 (1680 x 720 / 2560 x 1080)



Display of Input resolution		<table border="1"> <tr> <td>*</td><td>*</td><td>*</td><td>*</td><td>x</td><td>*</td><td>*</td><td>*</td><td>*</td><td>p</td><td>/</td><td>*</td><td>*</td><td></td> </tr> </table>	*	*	*	*	x	*	*	*	*	p	/	*	*	
*	*	*	*	x	*	*	*	*	p	/	*	*				
		<p style="text-align: center;">Horizontal resolution      Vertical resolution      Referat</p>														
DVI input		<table border="1"> <tr> <td>2</td><td>5</td><td>6</td><td>0</td><td>x</td><td>1</td><td>0</td><td>8</td><td>0</td><td>P</td><td>/</td><td>6</td><td>0</td><td></td> </tr> </table>	2	5	6	0	x	1	0	8	0	P	/	6	0	
2	5	6	0	x	1	0	8	0	P	/	6	0				
HDMI input		<table border="1"> <tr> <td>2</td><td>5</td><td>6</td><td>0</td><td>x</td><td>1</td><td>0</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td></td> </tr> </table>	2	5	6	0	x	1	0	8	0	p	/	6	0	
2	5	6	0	x	1	0	8	0	p	/	6	0				
Three-digit numbers are Referat		<table border="1"> <tr> <td>2</td><td>5</td><td>6</td><td>0</td><td>x</td><td>1</td><td>0</td><td>8</td><td>0</td><td>P</td><td>1</td><td>2</td><td>0</td><td></td> </tr> </table>	2	5	6	0	x	1	0	8	0	P	1	2	0	
2	5	6	0	x	1	0	8	0	P	1	2	0				
No input		<table border="1"> <tr> <td>U</td><td>N</td><td>K</td><td>N</td><td>O</td><td>W</td><td>N</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>	U	N	K	N	O	W	N							
U	N	K	N	O	W	N										

## Display list

video Code	Resolution												
79	1	6	8	0	x		7	2	0	p	/	2	4
80	1	6	8	0	x		7	2	0	p	/	2	5
81	1	6	8	0	x		7	2	0	p	/	3	0
82	1	6	8	0	x		7	2	0	p	/	5	0
83	1	6	8	0	x		7	2	0	p	/	6	0
84	1	6	8	0	x		7	2	0	p	1	0	0
85	1	6	8	0	x		7	2	0	p	1	2	0
86	2	5	6	0	x	1	0	8	0	p	/	2	4
87	2	5	6	0	x	1	0	8	0	p	/	2	5
88	2	5	6	0	x	1	0	8	0	p	/	3	0
89	2	5	6	0	x	1	0	8	0	p	/	5	0
90	2	5	6	0	x	1	0	8	0	p	/	6	0
91	2	5	6	0	x	1	0	8	0	p	1	0	0
92	2	5	6	0	x	1	0	8	0	p	1	2	0



## OPERATION CHECK-1

### NOTATION ABOUT ENTERING TEST MODE BY PRESSING BUTTON

In this procedure, the following notations are used to simplify explanation of how to press button.

e.g.-1 **[TV/CD] + [ON/STANDBY] → [BD/DVD]**

This means "While holding down TV/CD button, press ON/STANDBY button then release both buttons and then press BD/DVD button".

e.g.-2 **[DISPLAY] + [ON/STANDBY] \*2 → [DIMMER]**

This means "While holding down DISPLAY button, press ON/STANDBY button **twice** then release both buttons and then press DIMMER button".

### INITIAL SETTING FOR SHIPPING

Initialization of memories.  
Do the following operation.

**[CBL/SAT] + [ON/STANDBY]**

Unplug the power cord from AVR after the FL tube displays "Clear" and AVR goes standby.

### CONFIRMATION OF F/W VERSION

Do the following operation.

1. **[DISPLAY] + [ON/STANDBY]**

to display MMPU version.

e.g. *M1.01/14716ALN*

2. **[TONE+] or [TONE-]**

to display another F/W version.

e.g. *M1.01/14716ALN* Main

*[TONE-] ↑ ↓ [TONE+]*  
*N1.07/14620ALA* DSP

*↑ ↓*  
*O1.00/14324AL* OSD

#### <NOTE>

It cannot enter a test mode immediately after power supply ON, please press the Setup key.

### CONFIRMATION OF MAIN CHECKSUM

MAIN Checksum can be confirmed the following operation.

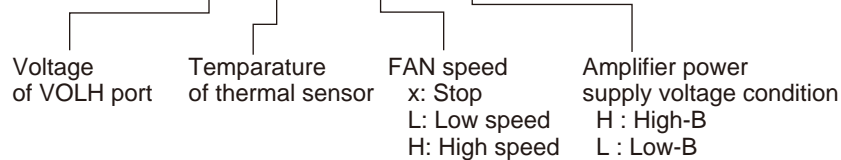
**[DISPLAY] + [ON/STANDBY] \* 2 → [MEMORY]**

### CONFIRMATION OF OUTPUT VOLTAGE AND THERMAL SENSOR

Temperature and output voltage can be confirmed the following operation.

**[DISPLAY] + [ON/STANDBY] \* 2 → [TONE]**

e.g. *001 042 F:x S:H*



## OPERATION CHECK-2

### CONFIRMATION OF MODEL NAME AND DESTINATION

Model name and destination can be confirmed the following operation.

[TV/CD] + [ON/STANDBY] → [DIMMER](RT/PTY/TP) → [TONE] \*4

e.g. S R 3 3 3 D x 2 2 0 0

|        |        |        |        |        |

FL DIS Name Destination A B C D

A:Value of AD port of BAND  
B:Value of AD port of INIT1  
C:Value of AD port of INIT2  
D:Value of AD port of INIT3

Model Name	Distination	Number	Writing Data	FL Display												
TX-SR333	Dx	2200	2200 TX-SR333 Dx	S	R	3	3	3			D	x	2	2	0	0
TX-SR333	xx	8200	8200 TX-SR333 xx	S	R	3	3	3			x	x	8	2	0	0
HT-RC630	Dx	2202	2202 HT-RC630 Dx	R	C	6	3	0			D	x	2	2	0	2
HT-RC630	xx	8202	8202 HT-RC630 xx	R	C	6	3	0			x	x	8	2	0	2
HT-R393	Dx	2220	2220 HT-R393 Dx	R	3	9	3				D	x	2	2	2	0
HT-R393	xx	8220	8220 HT-R393 xx	R	3	9	3				x	x	8	2	2	0

### TEST MODE FOR OPERATION

Do the following operation.

1. set the volume level to **25**.
2. [TV/CD] + [ON/STANDBY]

TEST\_

3. Press the following button, while "TEST - " is displayed, then each test mode is set.

Button	Test Mode	Button	Test Mode
[BD/DVD]	1-00	[MEMORY]	KEY TEST
[CBL/SAT]	2-00	[TUNING MODE]	IDLING TIMER / Wi-Fi check
[STB/DVR]	3-00	[DIMMER](RT/PTY/TP)	FL TEST
[GAME]	4-00		
[PC]	5-00		
[AUX]	6-00		

In the test mode, (TONE)+ button is TEST MODE UP and (TONE)- button is TEST MODE DOWN.

e.g. TEST 1-00 → TEST 1-01 → TEST 1-02 - - - - TEST 2-00

### IDLING TIMER (TEST 1-01)

This mode is used for aging for idling.

Once the following test mode is set, idling timer mode works.

Idling timer mode includes the following functions.

Test mode	TEST 1-01
Function	Timer Voltage-detection protector check Refer to CONFIRMATION OF VOLTAGE-DETECTION PROTECTORS (next page). F/W update route test Refer to CONFIRMATION OF UPDATE ROUTE (next page). Wi-Fi connection check Refer to CONFIRMATION OF Wi-Fi CONNECTION (next page). Check USB flash device

Once the above test mode is set, AVR's status changes to idling timer mode and voltage-detection protector check automatically begins.

If voltage-detection protector check is all OK, Wi-Fi connection check automatically begins.

Even if one channel of voltage-detection protector check is NG, Wi-Fi connection check doesn't begin.

## OPERATION CHECK-3

### CONFIRMATION OF VOLTAGE-DETECTION PROTECTORS.

**<NOTE>**

Don't connect load nor short speaker terminals.

1. Do the following operation.

1-1. set the volume level to **25**.

1-2. **[TV/CD] + [ON/STANDBY] → [BD/DVD]**

1-3. **[TONE +]**

to the following test mode.

*TEST 1-01*

2. AVR automatically tests in the following test sequence. And if it is all OK, Wi-Fi test will begin.

Test sequence

(FL+) → (FR-) → (C+) → (SL-) → (SR+) → (SW+) SW+ : HT-R393 only

3. If FL tube displays Wi-Fi check mode then voltage-detection protectors test will be completed.

### CONFIRMATION OF UPDATE ROUTE.

1. Do the following operation.

1-1. set the volume level to **25**.

1-2. **[TV/CD] + [ON/STANDBY] → [BD/DVD]**

1-3. **[TONE +]**

to the following test mode.

*TEST 1-01*

2. Once the above mentioned test mode is entered, voltage-detection protectors function is checked automatically first, then update route check will begin.

If the result of update route check is no problem then Wi-Fi check will begin. If the result is NG then NG message will be shown on the FL tube.

3. If FL tube displays Wi-Fi check mode then voltage-detection protectors test and update route check are passed.

### CONFIRMATION OF Wi-Fi CONNECTION

1. Setting Wi-Fi routers.

2. Do the following operation.

2-1. set the volume level to **25**.

2-2. **[TV/CD] + [ON/STANDBY] → [BD/DVD]**

2-3. **[TONE +]**

to the following test mode.

*TEST 1-01*


3. Once the above mentioned test mode is entered, voltage-detection protectors function is checked automatically first, then update route check will begin and then Wi-Fi check will begin.

In Wi-Fi check mode, it connects an access point automatically. Wi-Fi LED flashes during connection.

4. If connection is completed and IP address is successfully acquired, Wi-Fi LED turning lights off and the value of RSSI to an access point is displayed in dBm.

If the connection is failed, NG is displayed.

e.g. *02 -55d 01' 14''*



Max value of RSSI is -45dB.(Display of FL is -45d.)

If the connection is failed, exit the idling timer mode by pressing the TV/CD button and please try again from step 1.

In case value of RSSI level isn't showed on the FL tube at all past 4 minutes in this timer mode, judge as NG.

### CONFIRMATION OF USB

1. Connect USB memory or USB storage to AVR front USB port.

2. Change selector to USB. After FL tube showed USB device name, press Enter key twice, then confirm signals form front L/R or Headphone.

Change volume as necessary.



## OPERATION CHECK-4

### CONFIRMATION OF CURRENT DETECTION PROTECTORS

1. Do the following operation.
  - 1-1. set the volume level to **25**.
  - 1-2. [TV/CD] + [ON/STANDBY] → [CBL/SAT]
  - 1-3. [TONE - ]
 to the following test mode.  
       *TEST 1-09*
2. Confirm that relay is not cut off even if you connect the following load A to the following channels one by one.
3. Confirm that relay is cut if you connect the following load B to the following channels one by one.

Channel	FL, FR, C, SL and SRch (and SW only HT-R393)
Load A	3 ohm
Load B	1 ohm

### CONFIRMATION OF OUTPUT SENSOR

1. Do the following operation.
    - 1-1. set the volume level to **25**.
    - 1-2. [TV/CD] + [ON/STANDBY] → [CBL/SAT]
    - 1-3. [TONE - ] \*2(TEST 1-07), \*3(TEST 1-08)
 to the following test mode.  
       *TEST 1-07* and *TEST 1-08*
- After lighting "FM STEREO" on the FL tube, the following relays break their connections and "FM STEREO" lamp goes off .  
 Relays **RL643** and **RL644**

### CONFIRMATION OF KEY OPERATION

1. Do the following operation.
  - 1-1. set the volume level to **25**.
  - 1-2. [TV/CD] + [ON/STANDBY] → [CBL/SAT]
  - 1-3. [TONE - ] \*4
 to the following test mode.  
       *TEST 1-06*
2. Confirm each key and master volume operation.
3. If "ON/STANDBY" button is pressed, AVR escapes from this KEY test mode.  
 Therefor, press the "ON/STANDBY" button, after checking other buttons finished.

## OPERATION CHECK-5

### CONFIRMATION OF FL TUBE AND LED

- Do the following operation.  
[TV/CD] + [ON/STANDBY] → [DIMMER]
- Confirm that all LEDs and all segments of FL tube are lit.

### CONFIRMATION OF HEAD PHONE OPERATION

- Confirm the Listening Mode is automatically switched to "STEREO" mode when headphones plug is inserted into the PHONES jack.  
Instead of the confirmation of "STEREO" mode, confirm light on headphone indicator in FL when headphones plug is inserted.

### CONFIRMATION OF FM RADIO OPERATION

- Setting of Signal Generator(SG)

Carrier frequency	any
Modulation	1kHz
Deviation	75kHz
Output level	35dBu

- Waveform confirmation

Set the signal of SG as following channels and confirm output is the following table.

	SG Input	Output	
		Lch	R ch
(1)	R ch only	No	Yes
(2)	L + R ch	Yes	Yes

- Confirmation of Stereo indicator  
Set SG as stereo and confirm stereo indicator is on.
- Confirmation of Auto stop operation  
Do auto tuning (Press TUNING UP or TUNING DOWN button) and confirm that the searching stops when a station that is set by SG is found.

### CONFIRMATION OF RDS (RADIO DATA SYSTEM) OPERATION (Applied to MPP/MPB/MM\* type )

- Input 98MHz,30dBu signal modulated with RDS data.
- When a PS information is received, the name of the station "RDS TEST" shall be displayed within 2 seconds instead of the frequency.

### CONFIRMATION OF OSD(ON SCREEN DISPLAY) OPERATION

- When HOME button is pushed, confirm that setup menu is displayed in HDMI Out.
- Confirm that specified operations for ENTER(with 4-cursor) buttons are made.

### CONFIRMATION OF CEC OPERATION

- Connect AVR's HDMI OUT to HDMI input of appliance compatible with CEC(SINK or REPEATER) by HDMI cable.
- Turn on the power to the AVR
- Do the following operation.
  - set the volume level to **25**.
  - [TV/CD] + [ON/STANDBY] → [AUX]
 to the following test mode.  
TEST 6-00  
FL tube will display "OK" or "NG".

### CONFIRMATION OF DOLBY TEST TONE

- Press TEST TONE on remote controller then press CH SELECT repeatedly.  
Set turn to Dolby Test mode tone Check speaker condition.
- Please check that a sound comes out from each channel.  
-> FL ch -> C ch -> FR ch -> SR ch -> SL ch -> SW ch ->

## OPERATION CHECK-6

### CONFIRMATION OF VIDEO SIGNAL-DETECTION

1. Do the following operation.
  - 1-1. set the volume level to **25**.
  - 1-2. **[TV/CD] + [ON/STANDBY] → [PC]**
  - 1-3. **[TONE +]**
 to the following test mode.  
**TEST 5-01**
2. Confirm the following indicator lights up on the FL TUBE when the following video signal is input.
3. Furthermore, confirm the following indicator is turned off on the FL TUBE when the following video signal isn't input at the following test mode as well.

	(1)	(2)
Input terminal	Composite	Component
Indicator	FM STEREO	RDS

### CONFIRMATION OF VIDEO IN/OUT

Confirm Video output signal as shown Table-2, while Video signal are input as shown Table-1 in "Video in\_out" sheet.

**<NOTE>**Confirm the HDMI path at 1080p signal.

Table-1

Video Signal ->	Composite Video		Component		HDMI	
BD/DVD	---	---	---	---	IN1	G
CBL/SAT	A	IN1	E	---	IN2	H
STB/DVR	B	---	---	---	IN3	I
GAME	C	---	---	---	IN4	J
---	---	---	---	---	IN5	K
---	---	---	---	---	IN6	L
AUX	D	---	---	---	---	---

Table-2

Test mode	Output	Composite Video	Component	HDMI
	MONITOR OUT	OUT	OUT	OUT1
5-00(BD/DVD)	---	---	---	G
5-01(CBL/SAT)	A	E	---	H
5-02(STB/DVR)	B	---	---	I
5-03(GAME)	C	---	---	J
5-04(PC)	---	---	---	K
5-05(IN6)	---	---	---	L
5-07(AUX)	D	---	---	---

### CONFIRMATION OF FL DISPLAY

1. Do the following operation.
    - 1-1. set the volume level to **25**.
    - 1-2. **[TV/CD] + [ON/STANDBY] → [DIMMER(RT/PTY/TP)]**
 to the FL test mode  
**[TONE+] = Step up**  
**[TONE-] = Step down**
- The contents of the step are as follows.
1. Lit all segment
  2. Lit '23456789ABCDEF'.
  3. Lit a even number segment
  4. Lit an odd number segment
  5. The Destination setting is displayed.

## OPERATION CHECK-7

## TEST 1-00~1-09

TEST No		DSP Output ch	DSP Output Frequency	DSP Output Voltage	Config. SW/F/C/S	Master Vol.	Speaker Relay	12V IRG.	etc.	
1-00	SELECTOR MUTING TIME REDUCTION MODE	-	-	-	Y/L/L/L	64(Ref)	F	-	Analog Input Only	
1-01	IDLING TIMER	Timer start	-	-	-	Y/L/L/L	Min(Min)	F	-	IDLING TIMER
		V Protect (FL)	FL	+DC	+Max	Y/L/L/L	Max(Max)	F/CS	-	*1, *3 +DC Protect
		V Protect (FR)	FR	-DC	-Max	Y/L/L/L	Max(Max)	F/CS	-	*1, *3 -DC Protect
		V Protect (C)	C	+DC	+Max	Y/L/L/L	Max(Max)	F/CS	-	*1, *3 +DC Protect
		V Protect (SL)	SL	-DC	-Max	Y/L/L/L	Max(Max)	F/CS	-	*1, *3 -DC Protect
		V Protect (SR)	SR	+DC	+Max	Y/L/L/L	Max(Max)	F/CS	-	*1, *3 +DC Protect
		V Protect (SW)	SW	-DC	-Max	Y/L/L/L	Max(Max)	F/CS	-	*1, *3 -DC Protect
		UPDATE ROUTE	-	-	-	Y/L/L/L	Min(Min)	F	-	UPDATE ROUT CHECK
		Wi-Fi check	-	-	-	Y/L/L/L	Min(Min)	F	-	Wi-Fi check
	USB Confirmation	-	-	-	Y/L/L/L	Min(Min)	F	-		
1-02	MULTI TONE 1kHz + 30Hz + 20kHz, -20dBFS	ALL	1kHz+30Hz+20kHz	-20dBFS	Y/L/L/L	64(Ref)	F/CS	-	*6 Multi tone	
1-03	Wi-Fi check	-	-	-	Y/L/L/L	Min(Min)	F	-	Wi-Fi check	
1-04	UPDATE ROUTE	-	-	-	Y/L/L/L	Min(Min)	F	-	UPDATE ROUT CHECK	
1-05	DISPLAY IP ADDRESS	-	-	-	Y/L/L/L	Min(Min)	-	-	IP ADDRESS	
1-06	KEY TEST	-	-	-	Y/L/L/L	76(-6dB)	F/C	-	*7 KEY TEST	
1-07	VOLH DET / FAN HIGH-SPEED / 12V TRIGGER C	C,SL,SR	1kHz	0dBFS	Y/L/L/L	64(Ref)	F/CS	C	*5 VOLH DET,FAN High	
1-08	VOLH DET / FAN LOW-SPEED / 12V TRIGGER B (ZONE3)	FL,FR,C,SL,SR,SW	1kHz	0dBFS	Y/L/L/L	64(Ref)	F/CS	B-(Z3)	*5 VOLH DET,FAN Low	
1-09	CURRENT PROTECT / 12V TRIGGER A (ZONE2)	ALL	Pulse	Max	Y/L/L/L	58(76)	F/CS	A-(Z2)	*1, *4 Current Protect	

## TEST 2-00~3-09

No	Analog Input [Rec Sel] (Zone2/Zone3)	Listening Mode/ Input Format	VIDEO Input	Component V	HDMI	12V IRG.	Digital Input /Output	Config.	Master Vol. NonTHX (THX)	Speaker Relay	etc.	
2-00	Fch -> BD/DVD Cch -> STB/DVR Sch -> CBL/SAT SWch -> STB/DVR Z2/Z3 -> (Off)	Stereo(Direct)	BD/DVD	IN1	-	-	-	-	Max(Max)	F/CS	T4,H64, T5, T6,H66,D3	LINE GAIN,HUM NOISE
	BD/DVD (Off)	Whole House Mode	BD/DVD	IN1	-	-	-	-	Max(Max)	F/CS		Except the above models
2-01	BD/DVD (Off)	ADC DSP 8ch Thru.	BD/DVD	IN1	-	-	-	Y/L/L/L	57(Max)	F/CS		ADC GAIN etc.
2-02	BD/DVD (Off)	ADC DSP 8ch Thru.	BD/DVD	IN1	-	-	-	Y/L/L/L	MIN(Min)	F/CS		MIN NOISE
2-03	CBL/SAT (Off)	DIR DSP 8ch Thru	CBL/SAT	-	-	-	*OPT1	Y/L/L/L	Max(Max)	F/CS	AMUT OFF	DAC HUM NOISE
2-04	MIC	ADC DSP 8ch Thru.	BD/DVD	BD/DVD	-	-	-	Y/L/L/L	Max(Max)	F/CS		MIC GAIN
2-05	MIC	ADC DSP 8ch Thru.	BD/DVD	BD/DVD	-	-	-	Y/L/L/L	Max(Max)	F/CS	MICMUTE ON	MIC MUTING
2-06	PHONO/Source	Direct	BD/DVD	-	-	-	-	-	Max(Max)	F		PHONO GAIN etc.
2-07	BD/Source	BI AMP	BD/DVD	IN1	-	-	-	-	Max (+18dB)	F/C/S		BI AMP
2-08	BD/DVD (Off)	ADC DSP 8ch Thru.	BD/DVD	IN1	-	-	-	Y/L/L/L	Max (+18dB)	F/CS		ADC GAIN etc.
2-09	BD(BALANCE)	ADC DSP 8ch Thru.	BD/DVD	IN1	-	-	-	Y/L/L/L	Max (+18dB)	F/CS		BALANCE
2-10	BD(BALANCE)	ADC DSP 8ch Thru.	BD/DVD	IN1	-	-	-	Y/L/L/L	Max (+18dB)	F/CS		BALANCE-MONO
2-11	BD/DVD (Off)	ADC DSP 8ch Thru.	BD/DVD	IN1	-	-	-	Y/L/L/L	Max(Max)	CS	SPRLE OFF	PREOUT RELAY OFF
2-12	BD/DVD (Off)	Stereo(Direct)	BD/DVD	IN1	-	-	-	-	Max(Max)	F	SW-NO	HP GAIN/SP.B GAIN
3-00	FM/Source	Stereo(Direct)	BD/DVD	BD/DVD	-	-	-	-	64(Ref)	F		Z2 LINEOUT
3-01	GAME(BD/TV)	Stereo(Direct)	BD/DVD	BD/DVD	-	-	-	-	Max(Max)	F/Z2		Powered:ON, TX:LINE/DTR:PRE, Z2VOL: 64(82)
3-02	GAME(BD/TV)	Stereo(Direct)	BD/DVD	BD/DVD	-	-	-	-	Max(Max)	F/Z2	Z2MUTE ON	Powered:ON, LINE/PRE:LINE, Z2VOL:64(82)
3-03	GAME(BD/TV)	Stereo(Direct)	BD/DVD	BD/DVD	-	-	-	-	Max(Max)	F/Z2	Powered:ON LINE/PRE:PRE	Z2/Z3Vol-64(82) Z2 Bass=Max
3-04	GAME(BD/TV)	Stereo(Direct)	BD/DVD	BD/DVD	-	-	-	-	Max(Max)	F/Z2	Powered:ON LINE/PRE:PRE	Z2/Z3Vol-64(82) Z2 Bass=Min
3-05	GAME(BD/TV)	Stereo(Direct)	BD/DVD	BD/DVD	-	-	-	-	Max(Max)	F/Z2	Powered:ON LINE/PRE:PRE	Z2/Z3Vol-64(82) Z2 Treble=Max
3-06	GAME(BD/TV)	Stereo(Direct)	BD/DVD	BD/DVD	-	-	-	-	Max(Max)	F/Z2	Powered:ON LINE/PRE:PRE	Z2/Z3Vol-64(82) Z2 Treble=Min
3-07	GAME(BD/TV)	Stereo(Direct)	BD/DVD	-	-	-	-	-	Max(Max)	F/Z2		Z2/Z3PRE VOL MAX ATT
3-08	GAME(BD/TV)	Stereo(Direct)	BD/DVD	-	-	-	-	-	MIN(Min)	F/Z2		Z2/Z3 LINEOUT (Mid)
3-09	USB	Stereo(Direct)	Last	-	-	-	Rear USB	-	MIN(Min)	F	-	-

## OPERATION CHECK-8

## TEST 4-00~4-24 Auto Measurement Mode

TEST No.	DSP Output channel	DSP Output Frequency	DSP Output Voltage	Config.	Master Vol.	Speaker Relay	etc.	
4-00	ALL	1kHz (SW:30Hz)	-20dBFS	Y/L/L/L	64(Ref)	F/CS	*6	DSP Gain
4-01	ALL	30Hz (SW:1kHz)	-20dBFS	Y/L/L/L	64(Ref)	F/CS	*6	DSP Freq.Response
4-02	ALL	20kHz	-20dBFS	Y/L/L/L	64(Ref)	F/CS	*6	DSP Freq.Response
4-03	SW	30Hz	-20dBFS	N/L/L/L	58(76)	F/CS	*6	Characteristic(1)
4-04	FL,FR	30Hz	-20dBFS	N/L/L/L	64(Ref)	F/CS	*6	Characteristic(2)
4-05	ALL	1kHz (SW:30Hz)	-20dBFS	Y/L/L/L	64(Ref)	F/CS	Mute On *6	Muting
4-06	ALL	1kHz (SW:30Hz)	-20dBFS	Y/L/L/L	Min(Min)	F/CS	*6	Volume Max.Attenuation
4-07	FR,C,SL,SR,SW	10kHz	-20dBFS	Y/L/L/L	64(Ref)	F/CS	Mute:FL *6	Separation(FL)
4-08	FL,C,SL,SR,SW	10kHz	-20dBFS	Y/L/L/L	64(Ref)	F/CS	Mute:FR *6	Separation(FR)
4-09	FL,FR,SL,SR,SW	10kHz	-20dBFS	Y/L/L/L	64(Ref)	F/CS	Mute:C *6	Separation(C)
4-10	FL,FR,C,SR,SW	10kHz	-20dBFS	Y/L/L/L	64(Ref)	F/CS	Mute:SL *6	Separation(SL)
4-11	FL,FR,C,SL,SW	10kHz	-20dBFS	Y/L/L/L	64(Ref)	F/CS	Mute:SR *6	Separation(SR)
4-12	FL,FR,C,SL,SR,SBR,SW	10kHz	-20dBFS	Y/L/L/L/L	64(Ref)	F/CS/SB	Mute:SBL *6	Separation(SBL)
4-13	FL,FR,C,SL,SR,SBL,SW	10kHz	-20dBFS	Y/L/L/L/L	64(Ref)	F/CS/SB	Mute:SBR *6	Separation(SBR)
4-14	FL,FR,C,SL,SR	30Hz	-20dBFS	Y/L/L/L	64(Ref)	F/CS	Mute:SW *6	Separation(SW)
4-15	F,C,SUR,SBR,HR,Wide,SW	10kHz	-20dBFS	Y/L/L/L/L	82 (0dB)	F/CS/SB/HW	Mute:LH *6	Separation(FHL)
4-16	F,C,SUR,SBR,HL,Wide,SW	10kHz	-20dBFS	Y/L/L/L/L	82 (0dB)	F/CS/SB/HW	Mute:RH *6	Separation(FHR)
4-17	F,C,SUR,SRB,High,RW,SW	10kHz	-20dBFS	Y/L/L/L/L	82 (0dB)	F/CS/SB/HW	Mute:LW *6	Separation(FWL)
4-18	F,C,SUR,SRB,High,LW,SW	10kHz	-20dBFS	Y/L/L/L/L	82 (0dB)	F/CS/SB/HW	Mute:RW *6	Separation(FWR)
4-19	FL	+DC	+Max	Y/L/L/L	Max(Max)	F/CS	*1,*3	+DC Protect(FL)
4-20	FR	-DC	-Max	Y/L/L/L	Max(Max)	F/CS	*1,*3	-DC Protect(FR)
4-21	C	+DC	+Max	Y/L/L/L	Max(Max)	F/CS	*1,*3	+DC Protect(C)
4-22	SL	-DC	-Max	Y/L/L/L	Max(Max)	F/CS	*1,*3	-DC Protect(SL)
4-23	SR	+DC	+Max	Y/L/L/L	Max(Max)	F/CS	*1,*3	+DC Protect(SR)
4-24	SW	-DC	-Max	Y/L/L/L	Max(Max)	F/CS	*1,*3	-DC Protect(SW)

\*1 All SP-RELAYS are turned ON only at the time of this STEP.

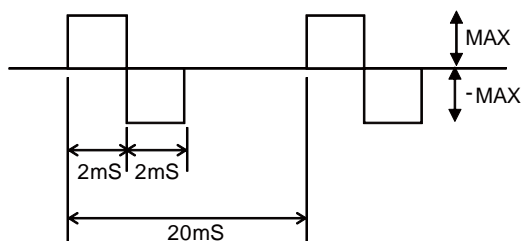
Moreover, whether make RELAY restoration time at the time of protection operation into 1 second, and PROTECT input "H" is detected how many times or it continues 1 second or more, RELAY is not held at OFF or POWER OFF is not carried out, either.

When "H" is 1 seconds or more to PROTECT input and it is set to "L", RELAY is turned ON again.

Moreover, not any MUTE is outputted at the time of this STEP.

\*3 If voltage-detection protector check in TEST-1-01 starts, DC voltage is output immediately from each channel. (within 100msec.)

\*4 The following signal is output from all channel continuously in TEST1-09.



\*5. VOLH is detected and H/L of SEC1H is changed.

A detection level is the same as the normal mode.

When it is detected, light "FM STEREO" on FL TUBE.

\*6 PRRLF=ON

\*7 In TEST 1-06, some character is displayed while pushing down some button. Another character shall be displayed by each button.

## [NOTES]

1: DSP Thru of Listening Mode outputs L Input signal to L/C/SL, and outputs R Input signal to R/SR/SW.

2: Config. is in order of SW/Front/Center/Surround.

3: Mute is function to stop output(from the channel) by using inner DSP programming.

4: When Listening Mode is DSP thru, an analog SW is changed into the state of SURROUND.

5: At the time of PRTCTTHM detection, it is displayed on FLT as "THERMAL PROTECT".

6: In all test modes, it is not concerned with detection of VOLH but SEC1H are made "H" fixation. (Except TEST 1-07 and 1-08.)

7: TEST of NET/USB can't do immediately after the start-up.

It should be measure after other TEST.

8: After initialization of Net or USB, start TEST 1-04.

## OPERATION CHECK-9

## TEST-3-00

Following frequencies are automatically written in the preset memory, when the unit goes into "TEST 3-00".

	PRESET No.	MD*	MW*(10k)	MP*,MG* MW*(9k)	MJJ
FM	1	89.9MHz	89.90MHz	89.90MHz	76.0MHz
	2	97.9MHz	97.90MHz	97.90MHz	82.0MHz
	3	98.9MHz	98.90MHz	98.90MHz	83.0MHz
	4	107.1MHz	107.10MHz	107.10MHz	84.0MHz
	5	107.9MHz	107.90MHz	107.90MHz	90.0MHz
	6	100.1MHz	100.10MHz	100.10MHz	80.0MHz
	7	88.1MHz	88.10MHz	88.10MHz	85.1MHz
	8	104.1MHz	104.10MHz	104.10MHz	88.1MHz
	9	95.3MHz	95.30MHz	95.30MHz	76.0MHz
	10	106.7MHz	106.70MHz	106.70MHz	90.0MHz
AM	11	530KHz	530KHz	522KHz	522kHz
	12	630KHz	630KHz	630KHz	630kHz
	13	990KHz	990KHz	990KHz	990kHz
	14	1440KHz	1440KHz	1440KHz	1440kHz
	15	1710KHz	1710KHz	1611KHz	1611kHz
	16	670KHz	670KHz	666KHz	666kHz
	17	830KHz	830KHz	828KHz	828kHz
	18	1310KHz	1310KHz	1314KHz	1314kHz
	19	1200KHz	1200KHz	1197KHz	1197kHz
	20	530KHz	530KHz	522KHz	522kHz
FM	21	87.5MHz	87.50MHz	87.50MHz	76.0MHz
	22	107.9MHz	108.00MHz	108.00MHz	90.0MHz
	23	103.7MHz	104.00MHz	104.00MHz	79.8MHz
	24	104.5MHz	104.20MHz	104.20MHz	80.2MHz
AM	25	1180kHz	1180kHz	1179kHz	1179kHz
	26	1220kHz	1220kHz	1215kHz	1215kHz

## TEST-5-00~6-02 Video &amp; HDMI Test mode

	Input selector	DIGITAL INPUT	COMPONENT	Volume NonTHX/THX	HDMI	MODE	etc.	Reference TEST DISC*
5-00	BD/DVD	HDMI	-	31/51	IN1	Through(Main/Sub or Zone2:Both), I2S	SP ALLch & SW-PO	DISC-D(BD) Tr.20or28
5-01	CBL/SAT	HDMI	IN	31/51	IN2	Through(Main/Sub or Zone2:Both), SPDIF	SP ALLch & SW-PO	DISC-D(BD) Tr.21 or A(DVD)
5-02	STB/DVR	HDMI	-	31/51	IN3	Through(Main/Sub or Zone2:Both), SPDIF	Audio TV OUT = ON	DISC-D(BD) Tr.21 or A(DVD)
5-03	GAME	HDMI	-	31/51	IN4	Through(Main/Sub or Zone2:Both), SPDIF	Audio TV OUT = ON	DISC-D(BD) Tr.21 or A(DVD)
5-04	PC	HDMI	-	31/51	IN5	Through(Main/Sub or Zone2:Both), SPDIF	Audio TV OUT = ON	DISC-D(BD) Tr.21 or A(DVD)
5-05	IN6	HDMI	-	31/51	IN6	Through(Main/Sub or Zone2:Both), SPDIF	Audio TV OUT = ON	DISC-D(BD) Tr.21 or A(DVD)
5-07	AUX	HDMI	-	31/51	AUX	Through(Main/Sub or Zone2:Both), SPDIF	Audio TV OUT = ON	DISC-D(BD) Tr.21 or A(DVD)
5-08	CBL/SAT	-	IN1	MIN	-	COMPONENT?HDMI(Main/Sub or Zone2:Both)	-	-
5-09	CBL/SAT	-	-	MIN	-	CV > HDMI(Main/Sub or Zone2:Both)	-	-
	BD/DVD	-	-	MIN	-	CV > CV_COMPONENT	-	-
5-10	PC(RGB)	-	-	MIN	-	RGB INPUT > HDMI OUT	-	-
5-11	GAME2/GAME1	HDMI	-	31/51	IN5/IN4	Z2 HDMI TEST / HDMI Powered Z2	-	-
6-00	BD/DVD	HDMI	IN	40/60	IN3	HDMI DSD SIGNAL	OUTPUT CH = L/R/C/SW/SI/SR	DISC-C(SACD) TRACK12
6-01	BD/DVD	-	IN	MIN	-	Audio TV OUT = ON, VOL=0, ANALOG(DVD)	HDMI OUT is blue back	-
6-02	CBL/SAT	HDMI ARC	-	40/60	-	HDMI AUDIO RETURN CHANNEL	-	-

## ADJUSTMENT PROCEDURE

### ADJUSTMENT OF IDLING CURRENT

Applied to the following model.

(Model)	TX-SR333/HT-RC630
---------	-------------------

#### Procedure

##### a. Pre-adjustment

Set the following registers to minimum position before POWER ON.

Set the voltages at the following terminals to the following voltage by adjusting the following registers, under the condition of no input and no load, immediately after POWER ON.

Channel	L/C/R	SL/SR
Terminals	P6080~6082	P6083~6084
Registers	R6040~6042	None
Voltage	2.5mV	---

About SL/SR Channel, adjustment is unnecessary.

If the measured value of SL/SR Channel are under 1mV or over 21mV, turn off the power of the AVR and rework the AVR.

##### b. Aging

Heat run during the following time.

Time	4~6 minutes
------	-------------

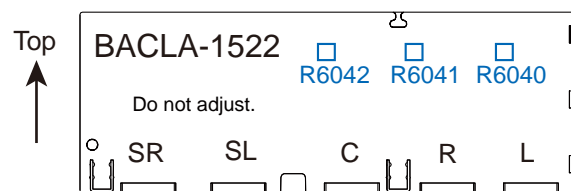
##### c. Final adjustment

Re-adjust by the following procedure after heat running for the above mentioned time.

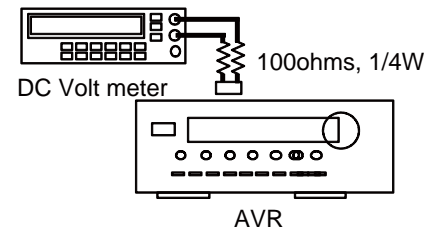
L/C/R		
Below 9mV	9mV	9mV
Between 9~11mV	Do not adjust.	
Over 11mV	11mV	11mV

Equip series 1/4W 100-ohm resistors near the terminal respectively in each pole of the jig used for the above mentioned terminals.

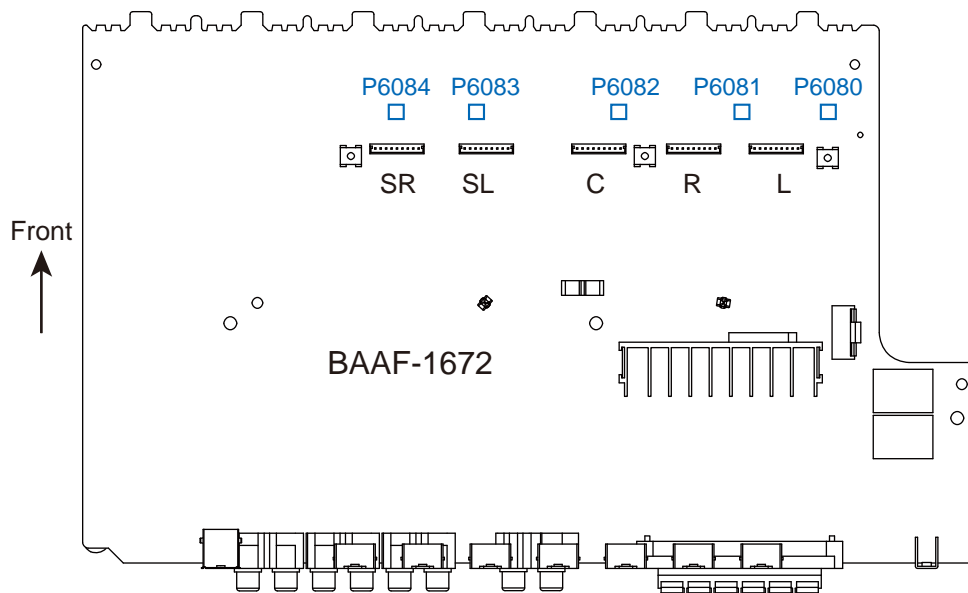
#### Adjustment point



#### Connection



#### Test point



## FIRMWARE UPDATE-1/2

### USB Update (service mode)

#### CONFIDENTIALITY NOTICE:

The contents of the “Firmware Update” is “Confidential Information” as defined in the applicable “Service Center Agreement”. It is for the exclusive use of Onkyo/Integra Authorized Independent Service Centers.

Dissemination or posting of this Firmware Update to any non-authorized individual or company is strictly prohibited. Failure to keep this information confidential may result in the loss of service center authorization.

#### [Version Check]

Refer to “OPERATION CHECK-1” about the way of showing firmware version.

#### [Preparation]

1. Connect the USB storage device to your PC. If there is any data in the USB storage device, remove it.
2. Download the firmware file (package file) from the Onkyo FTP-server.  
However European service partners should download the firmware file (package file) from the ExtraNet.

Onkyo FTP-server: [ftp://manex.onkyo.co.jp/\\_servicefwa/TX-SR333](ftp://manex.onkyo.co.jp/_servicefwa/TX-SR333)

ID and Password are those we informed when changed.

Filename is as follows: ONKAVR0017\_\*\*\*\*\*.zip

Unzip the downloaded file. A following file is created.

```
ONKAVR0017_*****.of0
ONKAVR0017_*****.of1
ONKAVR0017_*****.of2
ONKAVR0017_*****.of3
ONKAVR0017_*****.of4
```

3. Copy it to the USB storage device. Be careful not to copy the zip file.
4. Remove the USB storage device from your PC.



## FIRMWARE UPDATE-2/2

### USB Update (service mode)

#### [Procedure]

Overwriting is also possible.

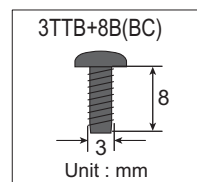
1. Turn on the unit. It takes some time to start after you switch on the unit.
2. Select the USB input source.
3. Connect the USB storage device to USB port (rear panel) on the unit. Wait until Initializing of USB/NET finishes.
4. Hold down **[DISPLAY]** button and then press **[ON/STANDBY]** button **twice**.  
Main version will be displayed, and HYBRID STANDBY indicator will start to flash.
5. Press **[RETURN]** button. “USB -> ALL\_D” will be displayed.
6. Select “USB -> ALL\_D” by **[PRESET(left/right)]** cursors and **[TUNING(up/down)]** cursors,  
then press **[ENTER]** button, updating will begin.
7. Wait until update (about 7 minutes) is completed. When the update ends, “Completed!” is displayed.  
(If you leave it, it automatically turns standby mode. )
8. Press **[ON/STANDBY]** button, and the unit turns on.
9. Check the new FW version number.

#### <Note>

If the procedure might not be successful, please select “USB -> ALL\_M”.

# EXPLODED VIEW OVERALL

<NOTE>  
No description screw is 3TTB+8B(3BC).



**\* WiFi & Bluetooth Module has already been certificated by FCC and IC.**

Information to the user.  
Indicate "Contains FCC ID: TX2-RTL8723AS", "Contains IC: 6317A- RTL8723AS" and following information to the host device installed.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Describe the following sentence to a user's manual of the host device.

[For FCC]  
FCC CAUTION  
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

[For IC]  
CAN ICES-3 B/NMB-3 B

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

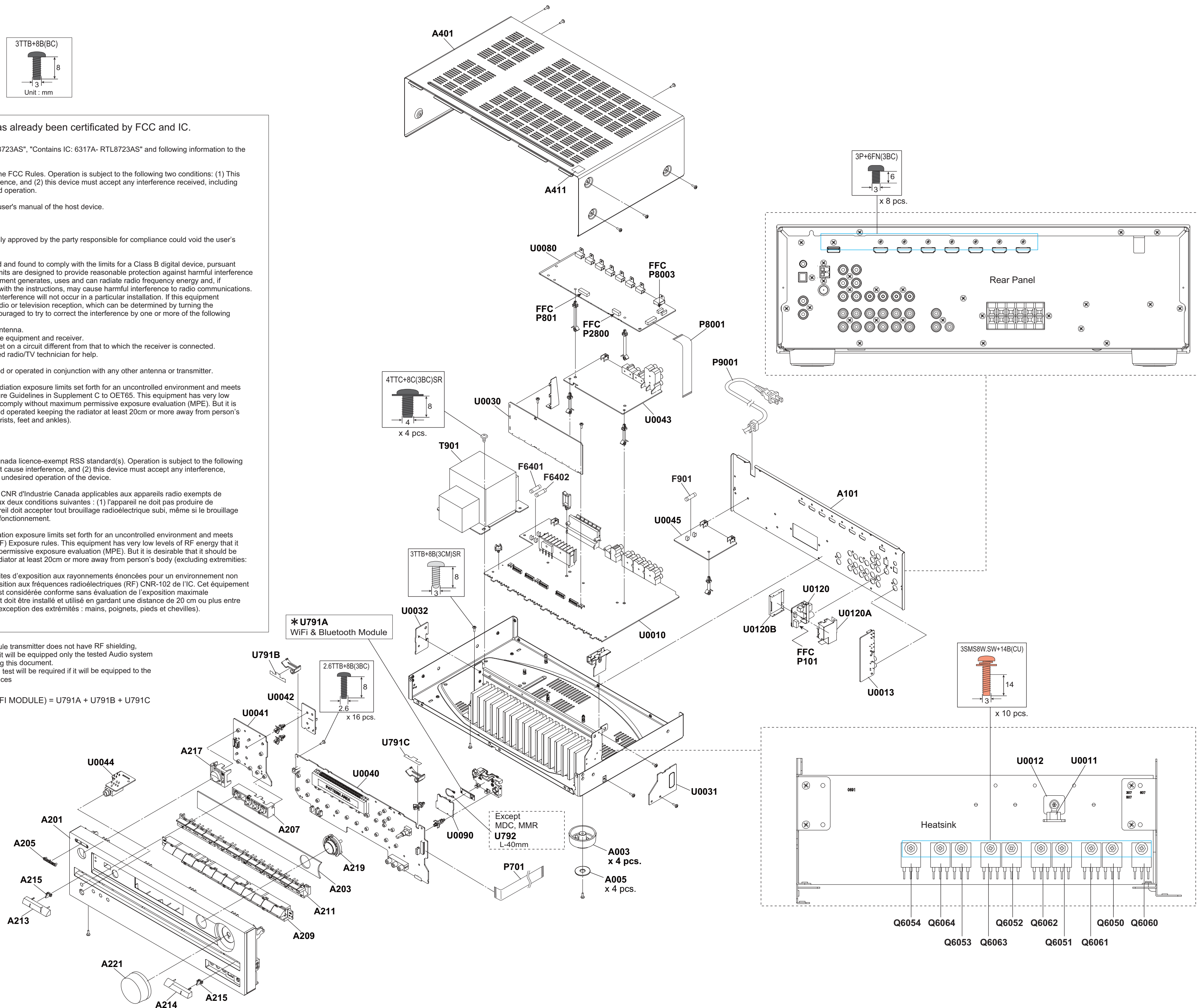
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement émet une énergie RF très faible qui est considérée conforme sans évaluation de l'exposition maximale autorisée. Cependant, cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).

\* This module transmitter does not have RF shielding, therefore it will be equipped only the tested Audio system mentioning this document. Additional test will be required if it will be equipped to the other devices

<NOTE>  
U791(WIFI MODULE) = U791A + U791B + U791C



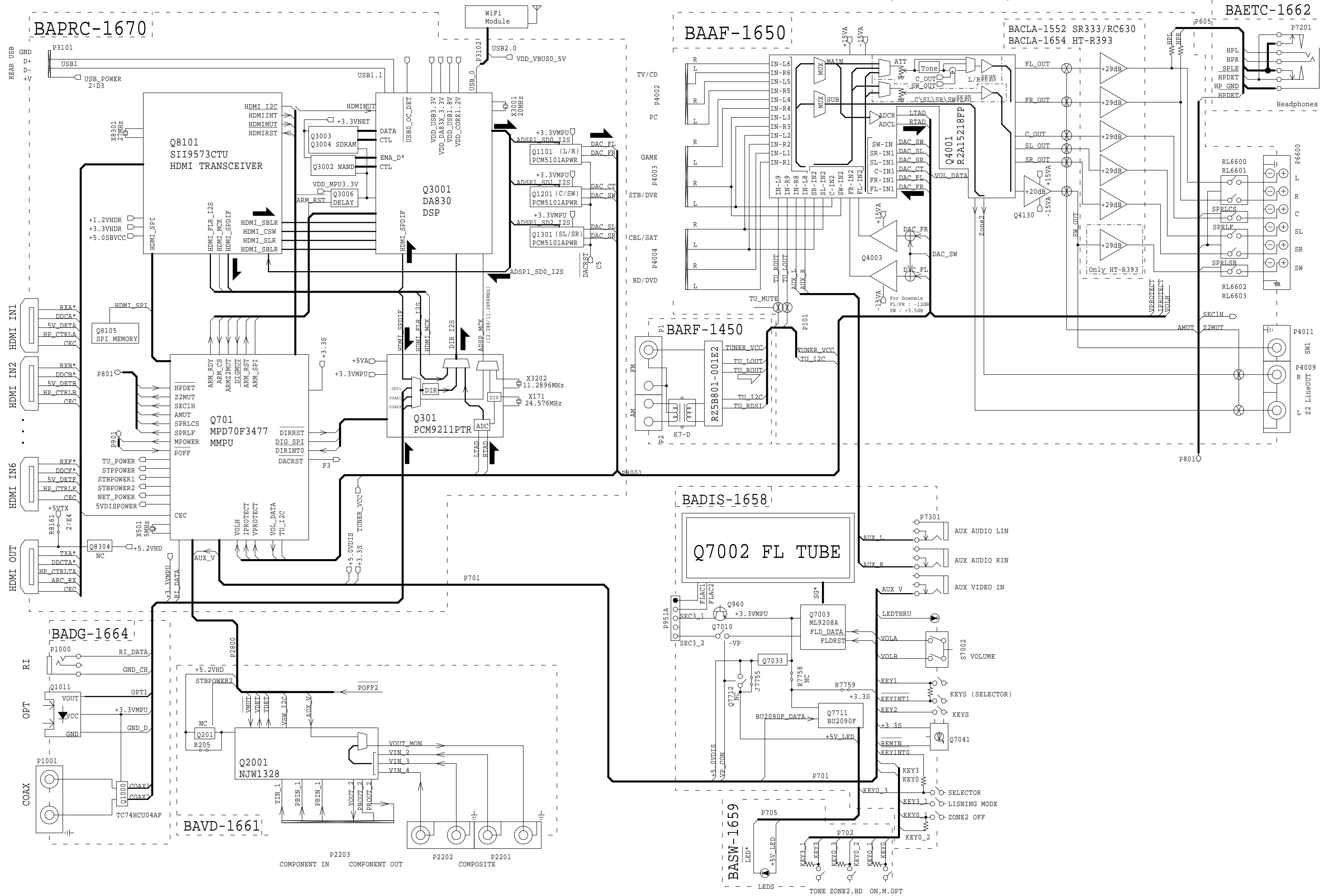
**\* U791A**  
WiFi & Bluetooth Module

Except  
MDC, MMR  
U792  
L-40mm

Heatsink

SCHEMATIC DIAGRAMS-01  
BLOCK DIAGRAM (1/2)

MODEL NO. TX-SR333/HT-RC630/HT-R393 BLOCK DIAGRAM (PART-1)



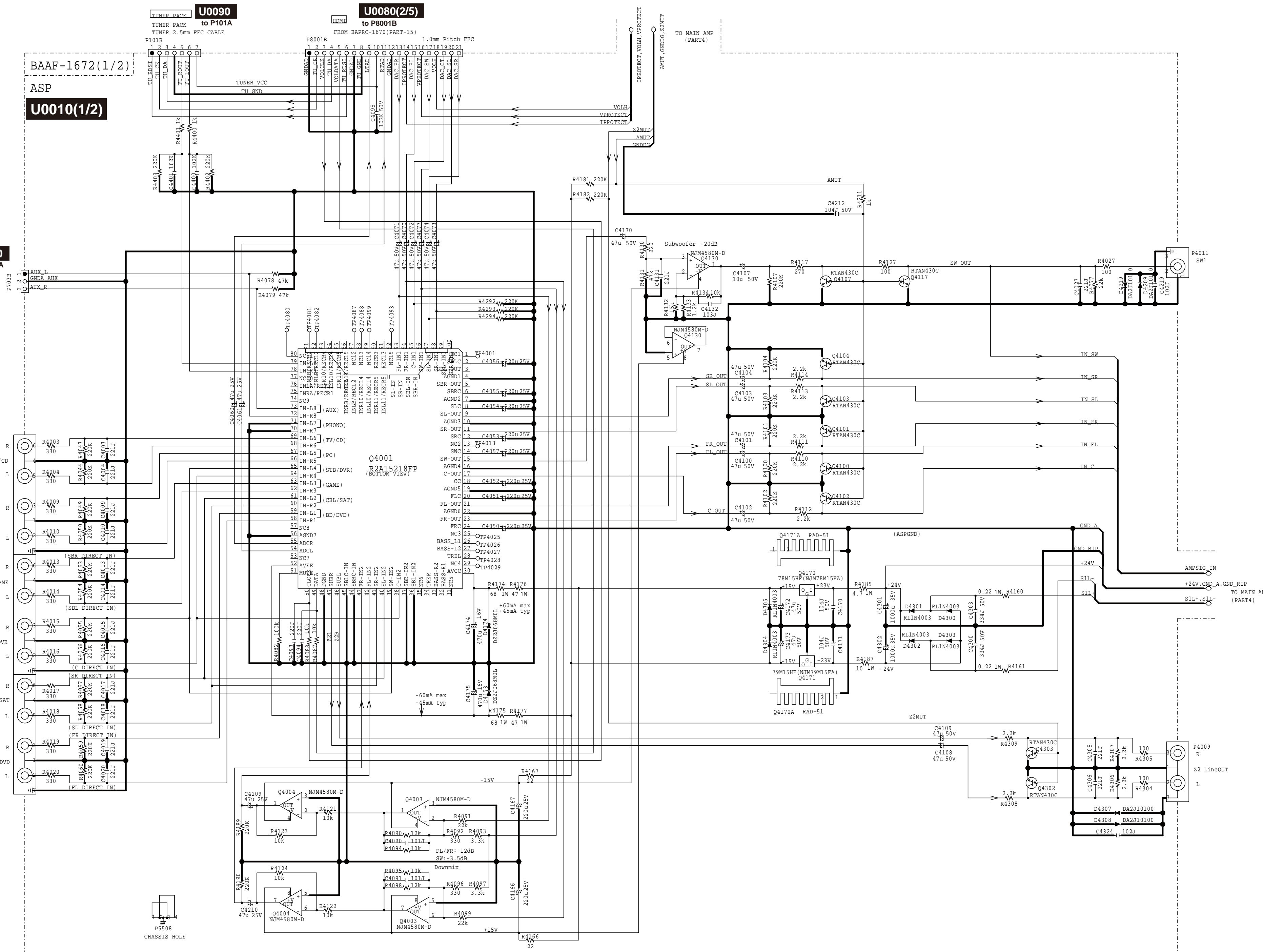


SCHEMATIC DIAGRAMS-03  
ASP SECTION

MODEL NO. TX-SR333/HT-R393/HT-RC630

SCHEMATIC DIAGRAM (PART-3) ASP

1  
2  
3  
4  
5  
6  
7  
8



SCHEMATIC DIAGRAMS-04  
AMP SECTION

MODEL NO. TX-SR333/HT-R393/HT-RC630

SCHEMATIC DIAGRAM (PART-4) AMP

1  
2  
3  
4  
5  
6  
7  
8

BAAF-1672 (2/2)  
ASP/AMP

U0010(2/2)

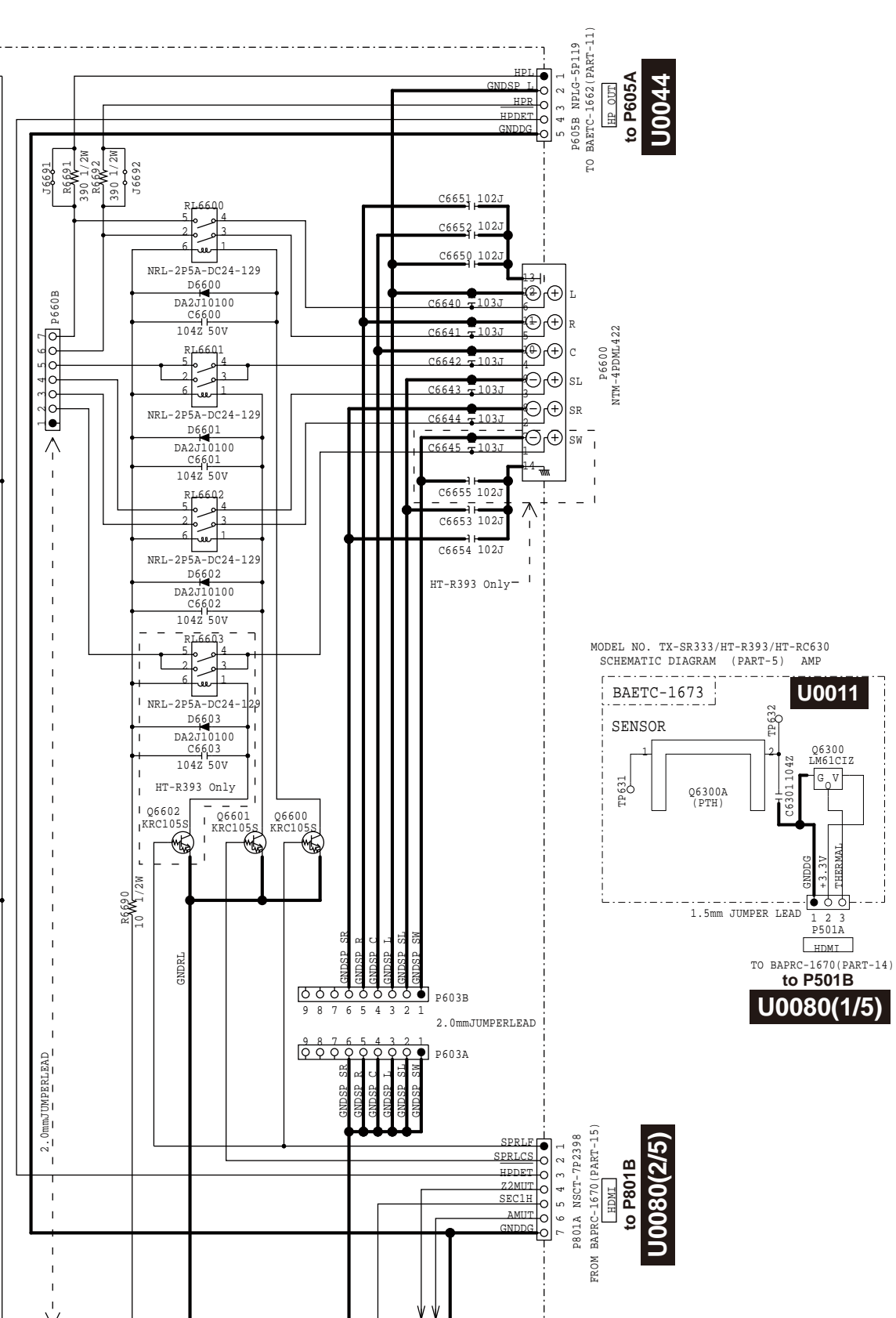
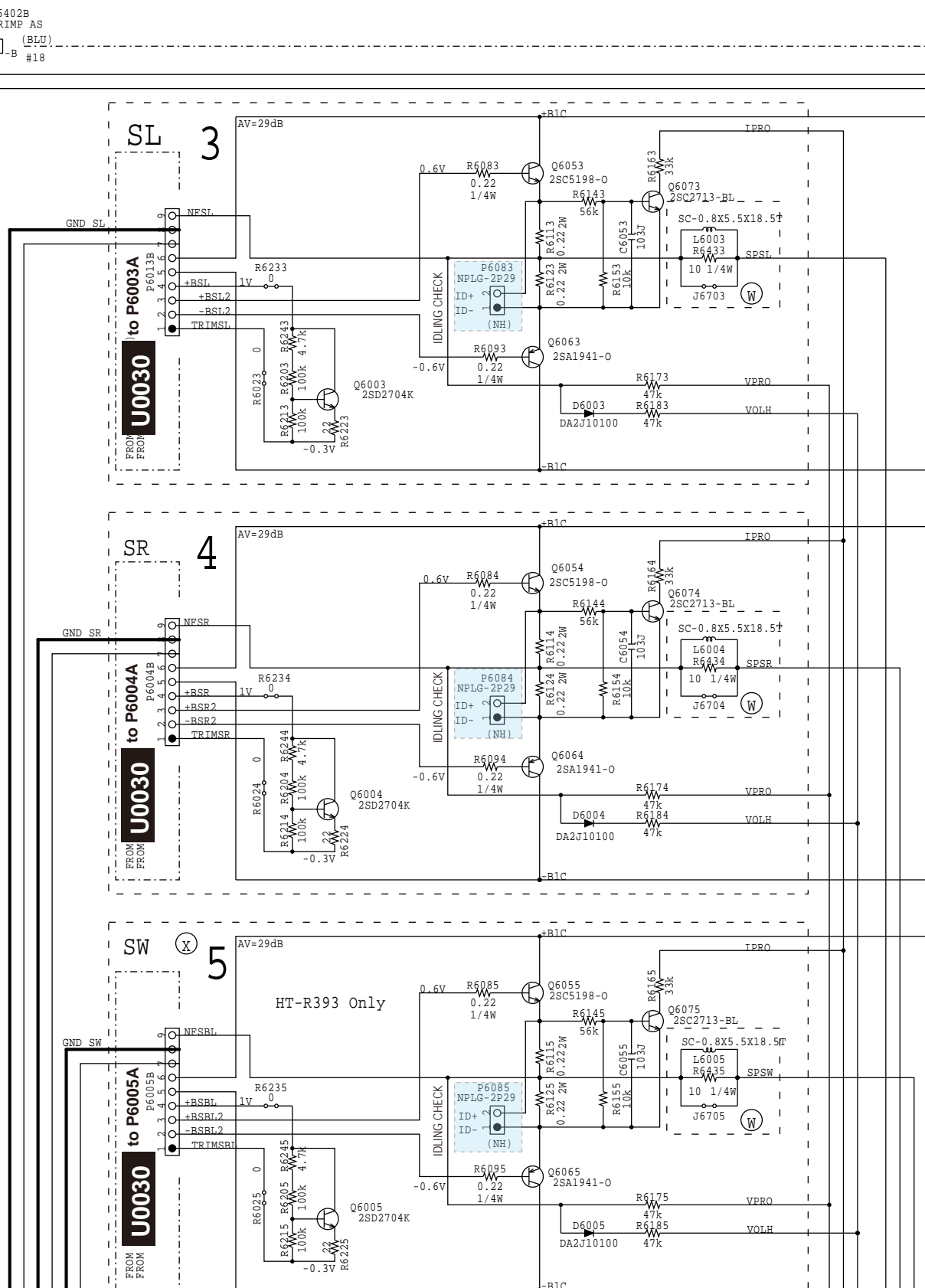
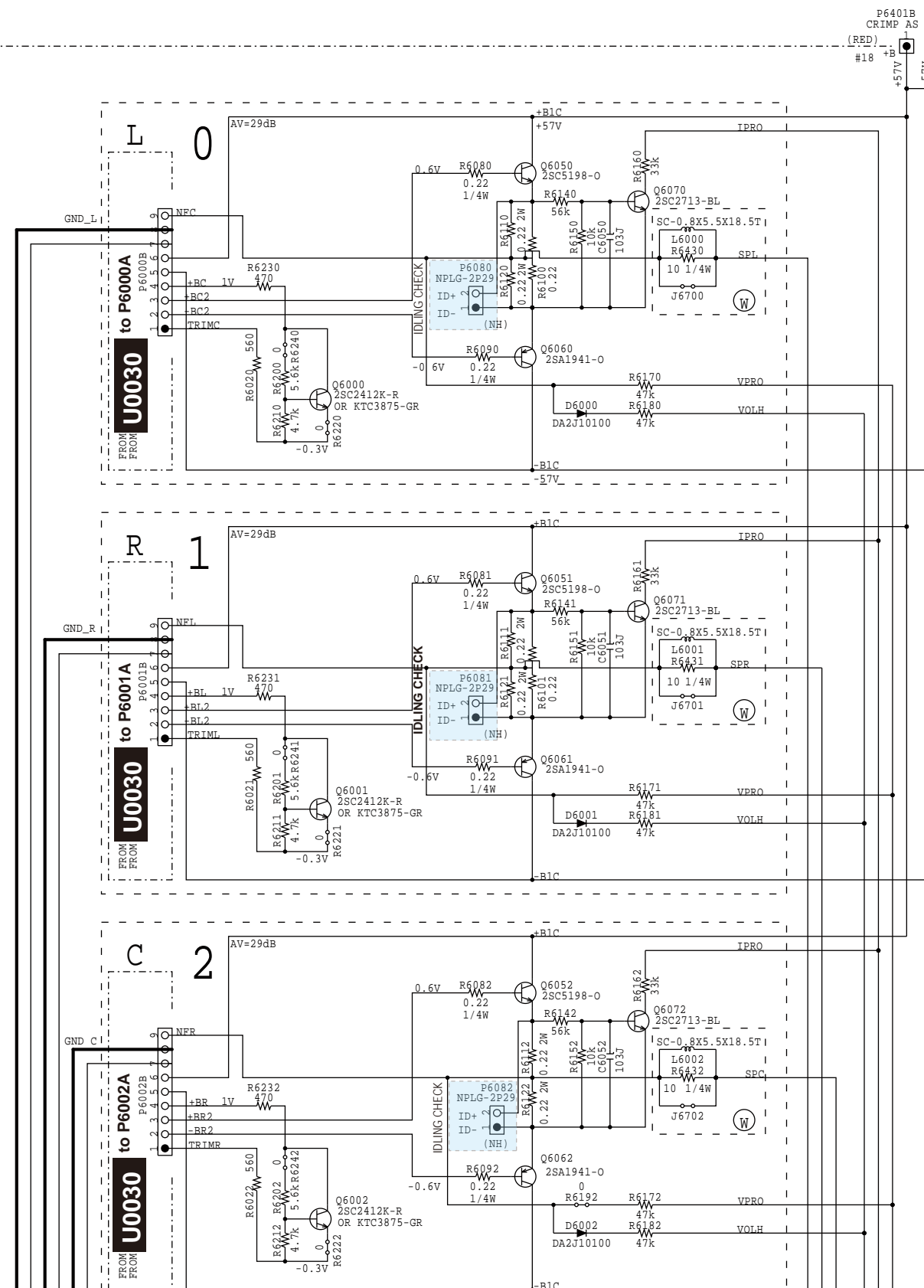
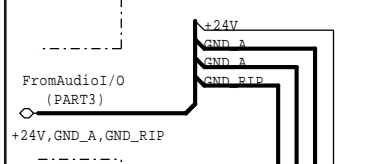


Table	W	US	EU	EA
L6000-05		X		O
R6430-35	X			
J6700-05	O			X



T901

FromAudioI/O (PART3)

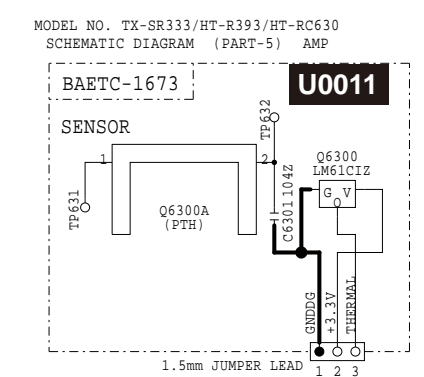
SIL+, SIL- FromAudioI/O (PART3)

AMP SIG IN FromAudioI/O (PART3)

I PROTECT, VOLH, V PROTECT FromAudioI/O (PART3)

AMUT, GNDG, 22MUT To AudioI/O (PART3)

TO BAPRC-1670(PART-14) to P501A U0080(1/5)



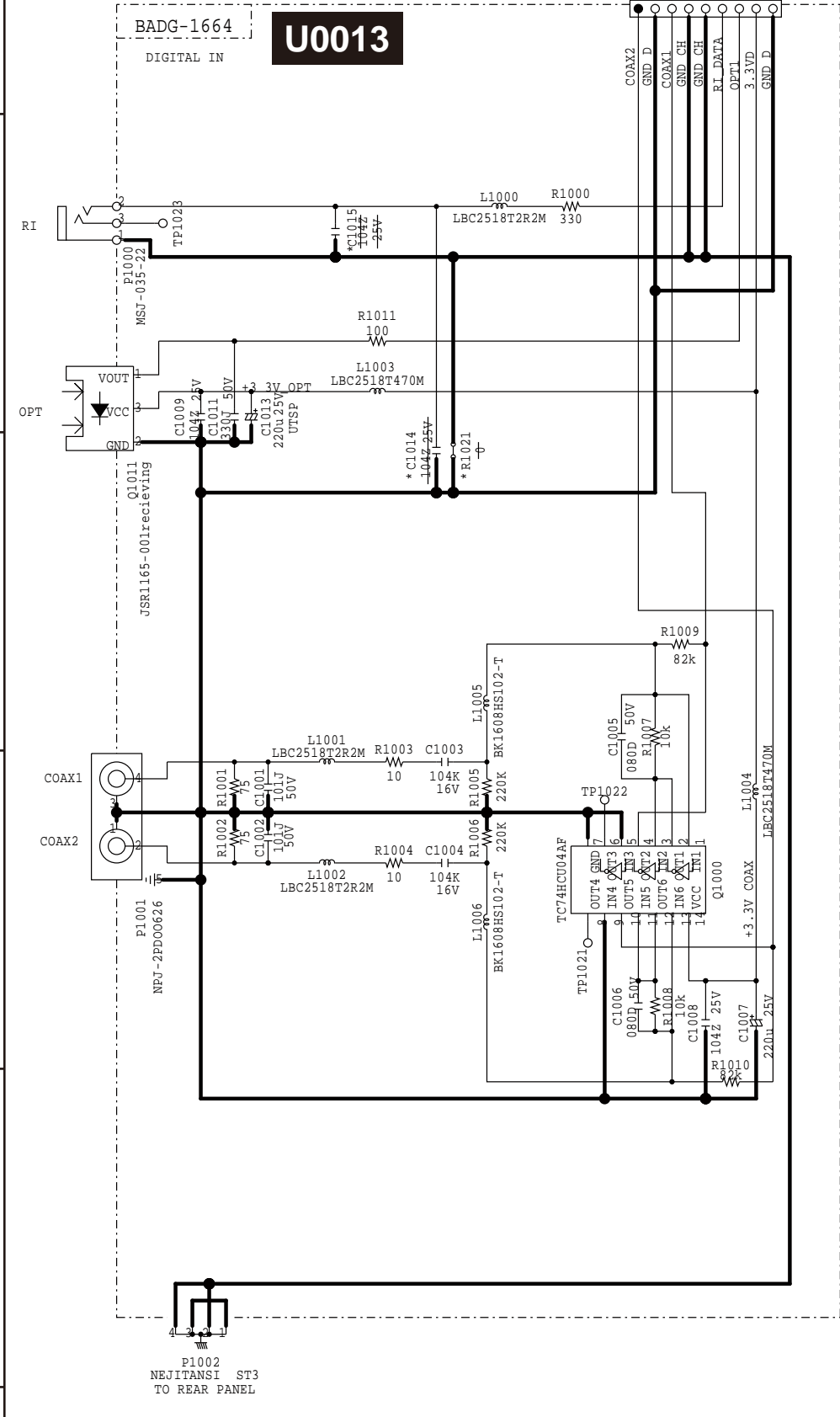
TO BAPRC-1670(PART-14) to P501A U0080(1/5)

SCHEMATIC DIAGRAMS-05  
DIGITAL/VIDEO SECTION

MODEL NO. TX-SR333/HT-R393/HT-RC630  
SCHEMATIC DIAGRAM(PART-6) DG SECTION

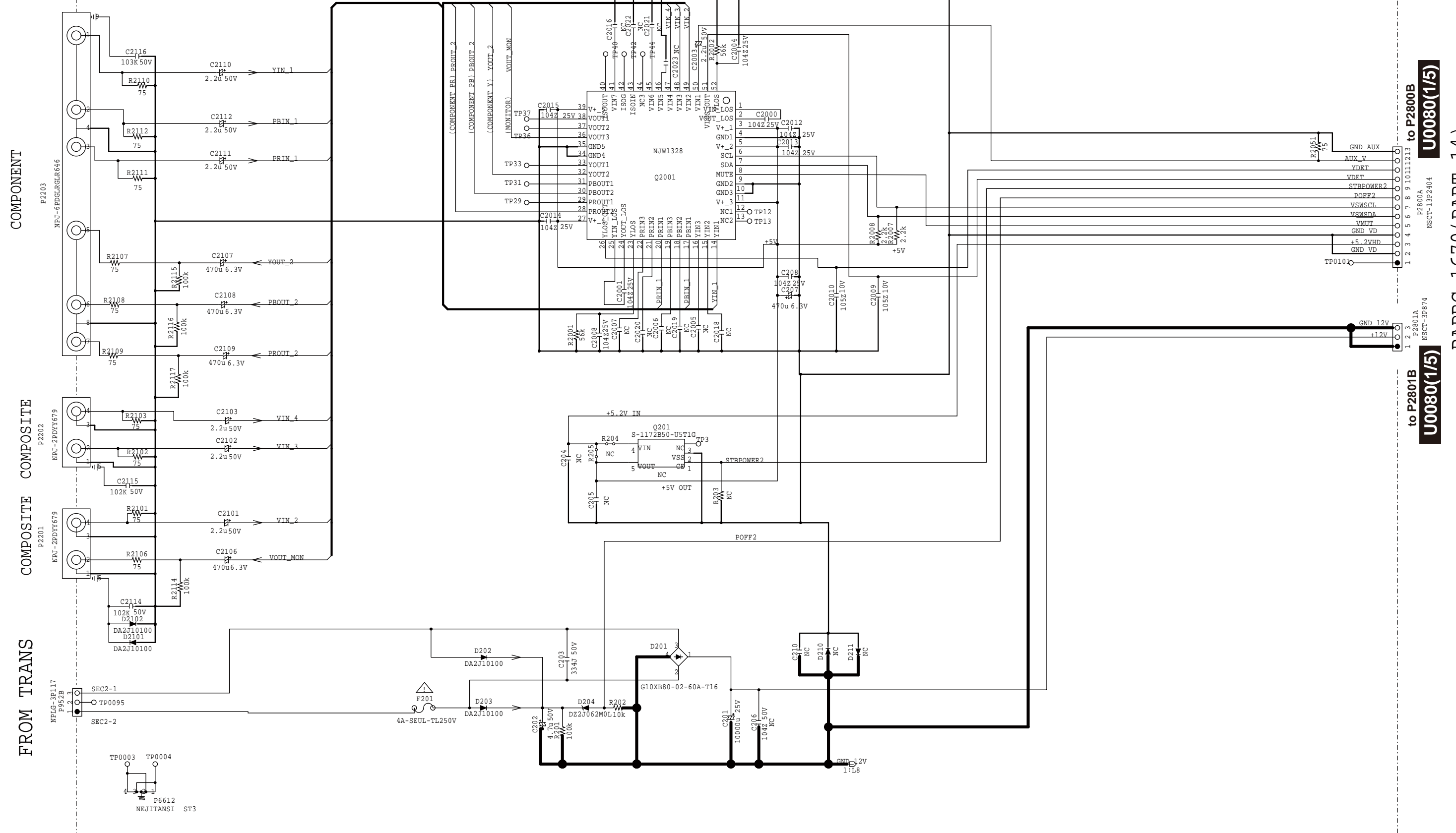
U0080(2/5)  
to P8003A

HDMI  
NSCT-8P2243  
P8003B



MODEL No. TX-SR333/HT-R393/HT-RC630 SCHEMATIC DIAGRAM (PART-8) VIDEO SECTION

BAVD-1661 U0043



U0080(1/5)

U0080(1/5)

BAPRC-1670(PART-14)

1  
2  
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5  
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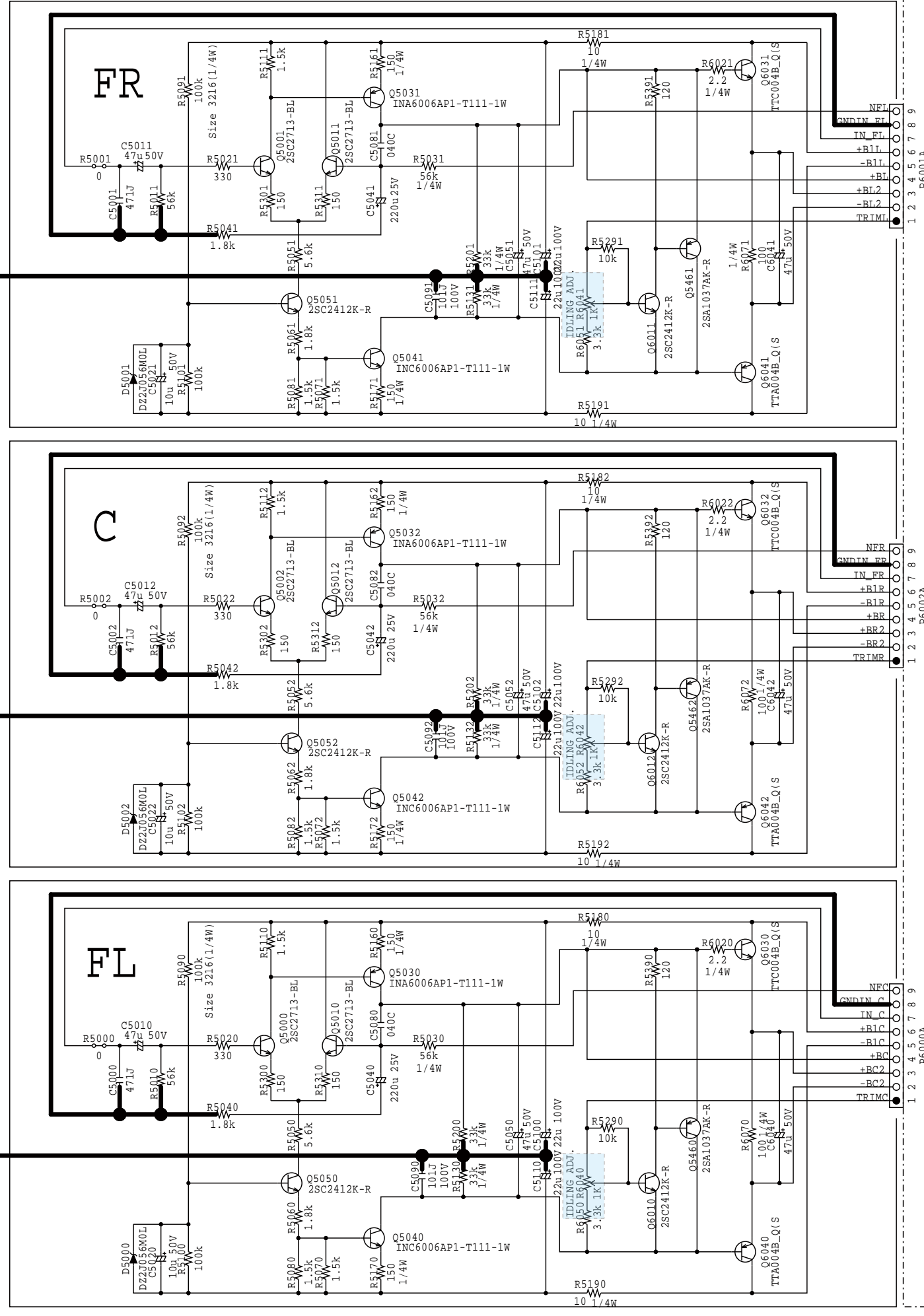
SCHEMATIC DIAGRAMS-06  
CLASS-A SECTION

MODEL NO. TX-SR333/HT-RC630 SCHEMATIC DIAGRAM(PART-7)

AMP SECTION

BACLA-1522  
CLASS A

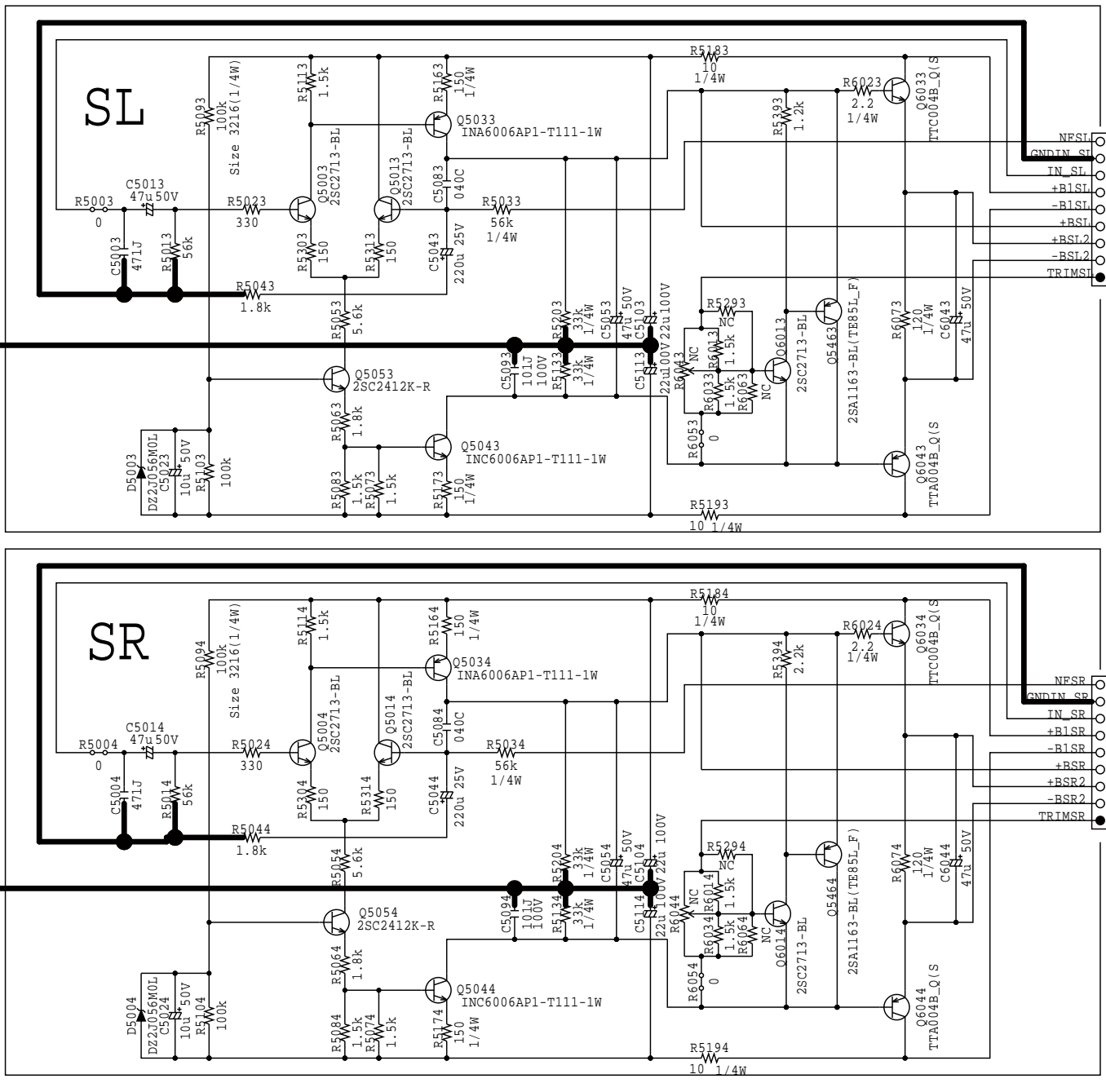
U0030



To P6001A  
NSCT-992189  
To BAF-1511(Part-5)  
to P6001B

To P6002A  
NSCT-992189  
To BAF-1511(Part-5)  
to P6002B

To P6003A  
NSCT-992189  
To BAF-1511(Part-5)  
to P6003B



To P6001A  
NSCT-992189  
To BAF-1511(Part-5)  
to P6001B

To P6002A  
NSCT-992189  
To BAF-1511(Part-5)  
to P6002B

To P6003A  
NSCT-992189  
To BAF-1511(Part-5)  
to P6003B

To BAF-1511(Part-5)  
NSCT-992189  
to P6003B

To BAF-1511(Part-5)  
NSCT-992189  
to P6004A

NTM-1P233(M1969)

NTM-1P233(M1969)

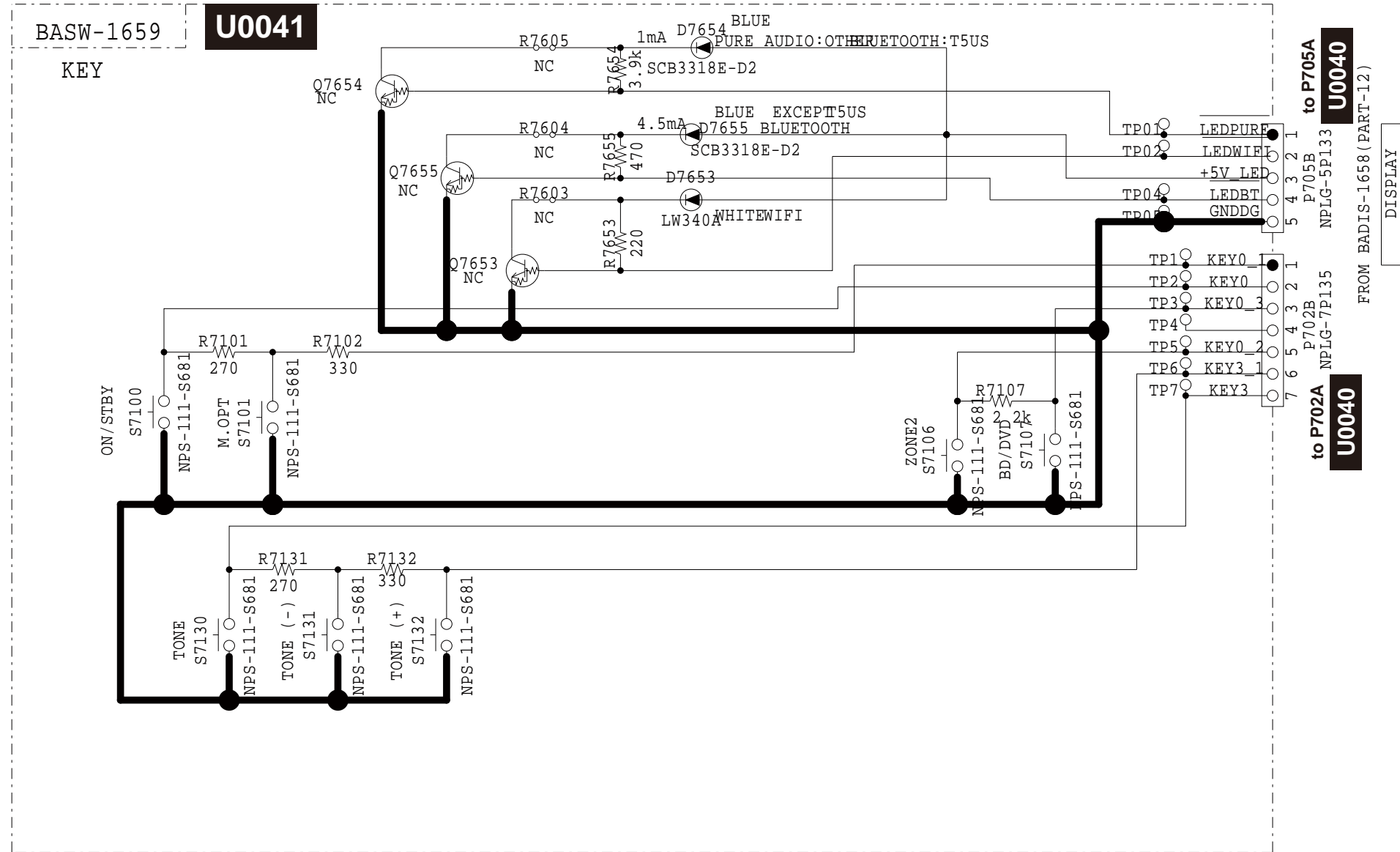




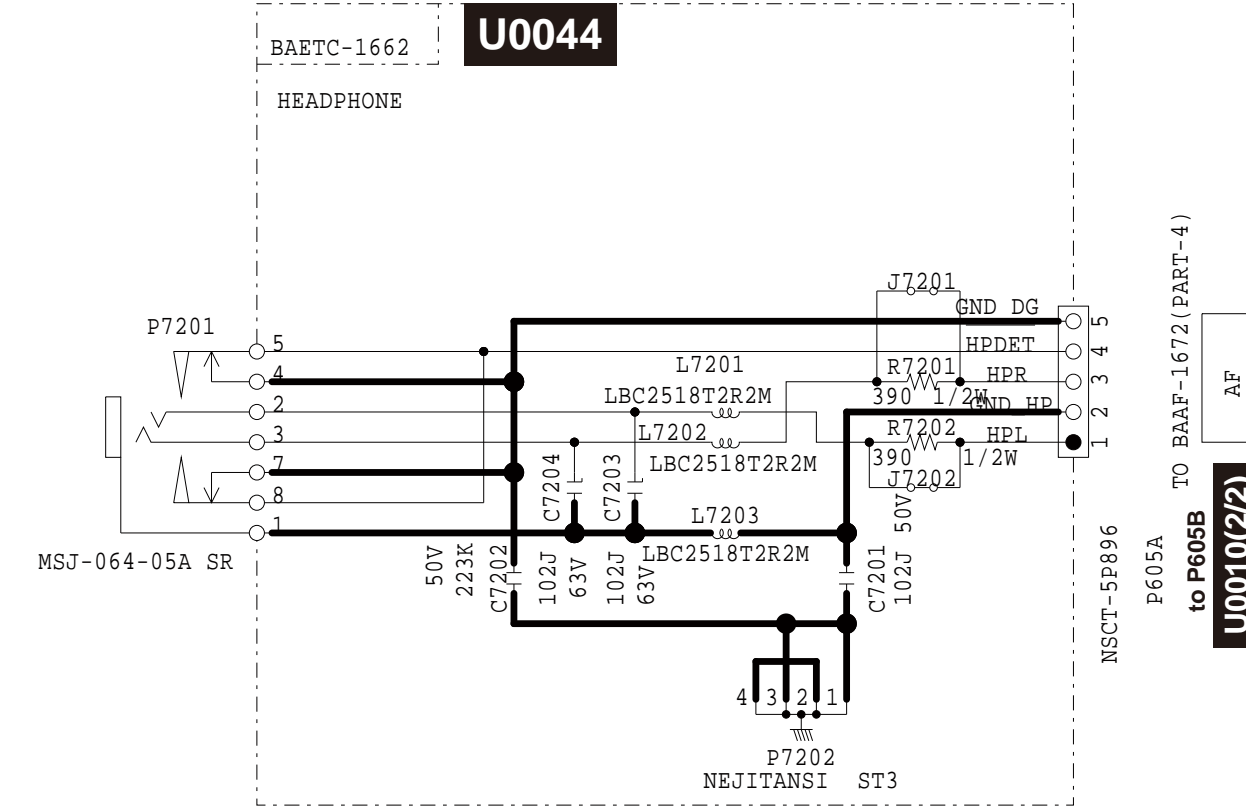
**SCHEMATIC DIAGRAMS-08**  
**KEY /PHONE SECTION**

1  
2  
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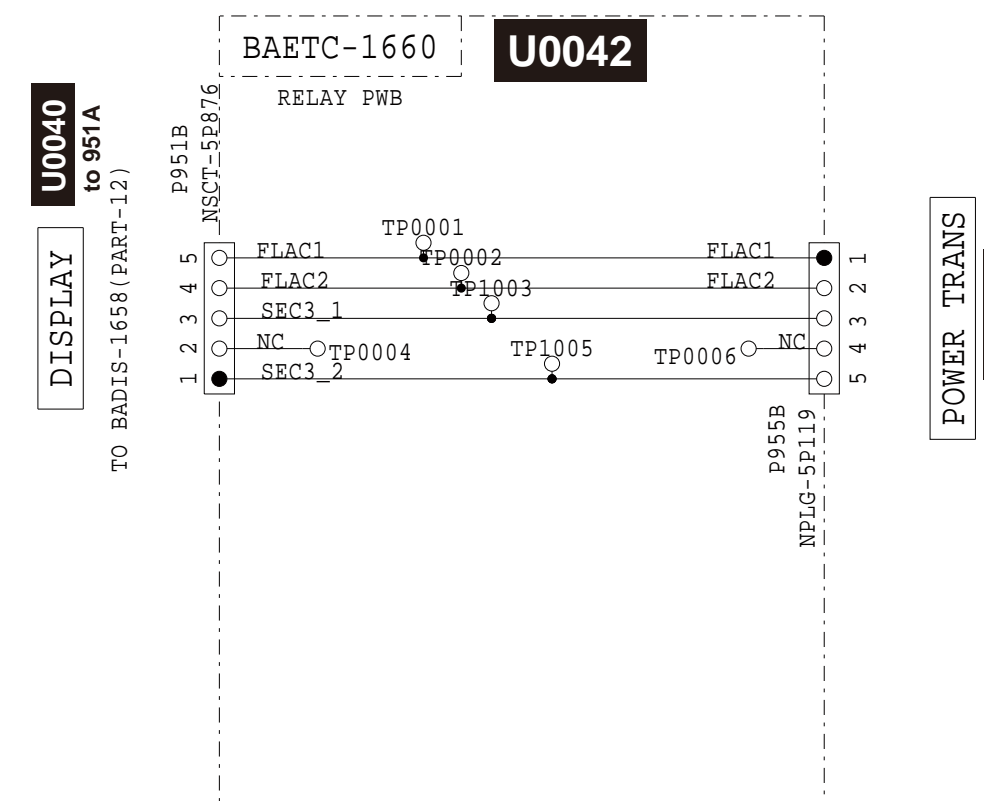
MODEL NO. TX-SR333/HT-R393/HT-RC630  
SCHEMATIC DIAGRAM (PART-10) DISPLAY SECTION



MODEL NO. TX-SR333/HT-R393/HT-RC630  
SCHEMATIC DIAGRAM (PART-11) HEADPHONE SECTION



MODEL NO. TX-SR333/HT-R393/HT-RC630 SCHEMATIC DIAGRAM  
(PART-9) DISPLAY SECTION



**SCHEMATIC DIAGRAMS-09**  
**POWER SUPPLY SECTION**

MODEL NO. TX-SR333/HT-R393/HT-RC630 SCHEMATIC DIAGRAM (PART-13) PS SECTION

THE COMPONENTS IDENTIFIED MARK  $\triangle$  ARE CRITICAL FOR SAFETY, REPLACE ONLY WITH PART NUMBER SPECIFIED.  
VOLTAGE (MEASURED WITH VOLTMETER) IS DC VOLTAGE. (NO INPUT SIGNAL)  
ELECTRILYIC CAPACITORS ( $\nabla$ ) ARE IN  $\mu$ F/WV.  
ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.  
EX) 030 -> 3pF, 330 -> 33pF, 331 -> 330pF, 333 -> 0.033uF  
CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

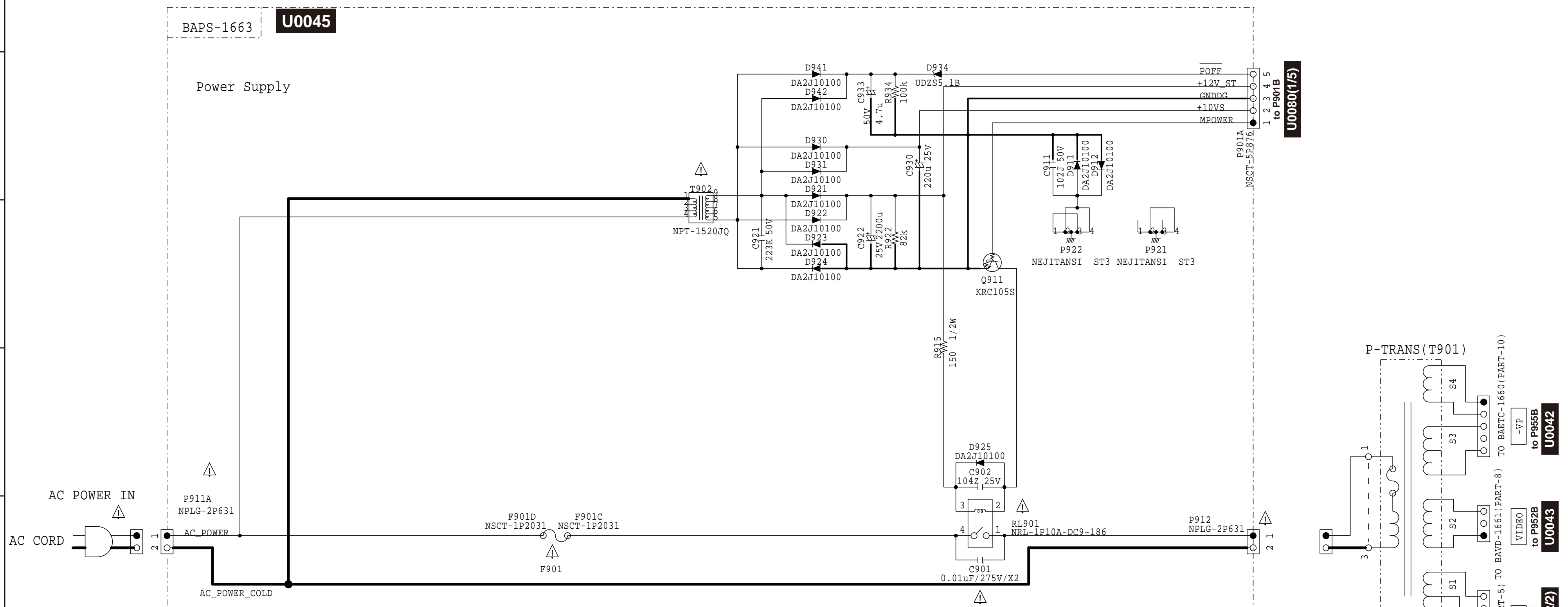
$\triangle$  印は火災、感電の危険に関与する部品の為、必ず指定部品を使用の事。  
電圧表示は無信号時に測定した直流電圧を示す。  
記入なき電解コンデンサの単位は $\mu$ F/WVである。  
記入なきコンデンサの単位はpF/50WVである。  
例) 030 -> 3pF, 330 -> 33pF, 331 -> 330pF, 333 -> 0.033uF  
本配線図は基本配線図につき性能改善等により予告なく変更する事がある。

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,  
REPLACER 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 FUSE HAZARD, REPLACE WITH SAME TYPE FUSE. RATING REFER TO THE MAKING ADJACENT TO THE SYMBOL.

CE SYMBOLE INDIQUE QUE LE FUSIBLE UTILISE EST A LENT, E POUR UNEPROTECTION PERMANENT, N'UTILISER QUE DES FUSIBLES DE MEME TYPE.  
CE DARNIER EST INDIQUE LA QU LE PRESENT SYMBOLE EST APOSE.



TYPE	AC
D	120Vac/60Hz
P	230Vac/50Hz
M	220-240Vac/50-60Hz

TYPE	F901 Rating of Fuse F901E SN of Fuse Label	T902	T901
D	6A 125V 29363126	NPT-1520JQ	NPT-1639D
P	T2AL250V 29363126	NPT-1520GQ	NPT-1639P
M	T2AL250V 29363126	NPT-1520GQ	NPT-1639M
J	---	---	---

TO BAAF-1672 (PART-5) TO BAETC-1660 (PART-10)  
AMP to P6201 U0010(2/2)  
VIDEO to P952B U0043  
-VP to P955B U0042



SCHEMATIC DIAGRAMS-11  
PRC SECTION-2/5

ModelNo. TX-SR333/HT-RC630/HT-R393  
SCHEMATICDIAGRAM(PART-15)  
DIR/DAC Section

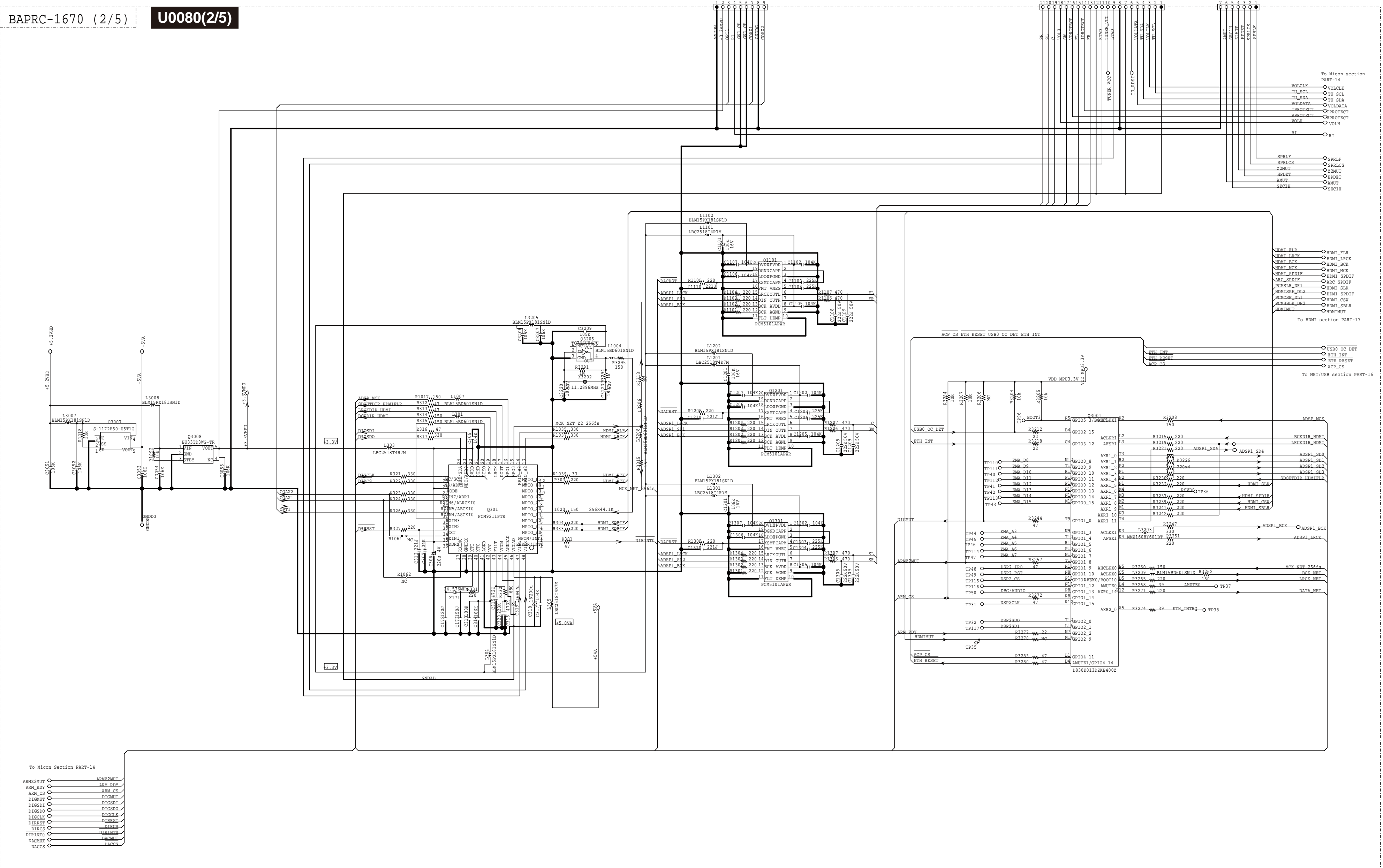
BAPRC-1670 (2/5)

U0080(2/5)

U0013  
to P8003B  
BADG-1664 (PART-7)

U0010(1/2)  
to P8001B BAAF-1672 (PART-3) ASP Sec. to P801A

U0010(2/2)

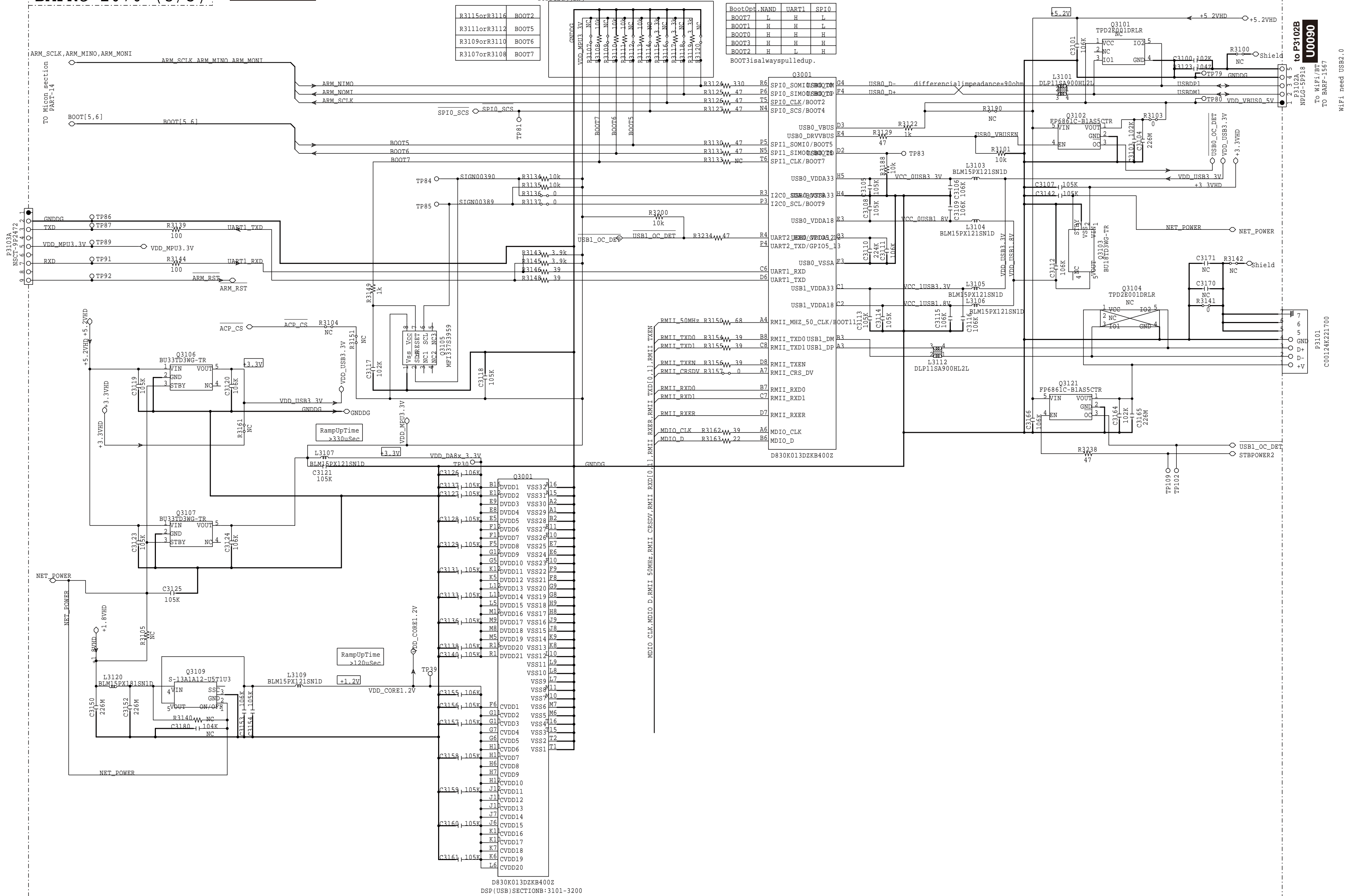


SCHEMATIC DIAGRAMS-12  
PRC SECTION-3/5

ModelNo. TX-SR333/HT-RC630/HT-R393  
SCHEMATICDIAGRAM(PART-16)  
NET/USB Section

BAPRC-1670 (3/5)

U0080(3/5)



for Debugging

R3115orR3116	BOOT2
R3111orR3112	BOOT5
R3109orR3110	BOOT6
R3107orR3108	BOOT7

BootOpt	NAND	UART1	SPI0
BOOT7	L	H	L
BOOT1	H	H	L
BOOT0	H	H	H
BOOT3	H	H	H
BOOT2	H	L	H

BOOT3 is always pulled up.

to P3102B  
U0090  
TO WIF1/BT  
TO BARF-1567  
WIF1 need USB2.0

P3101  
C00124K221700

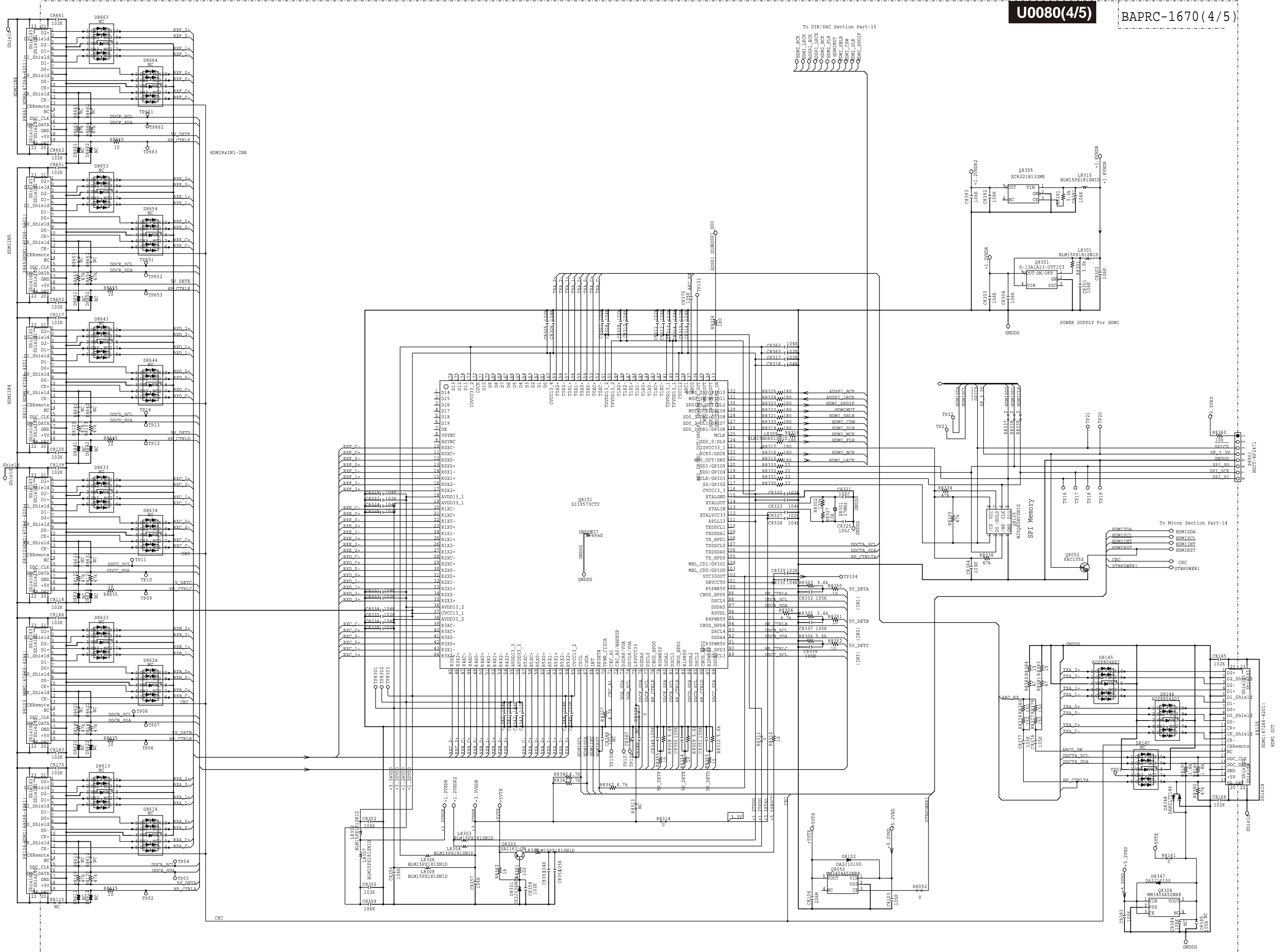
D830K013DZKB400Z  
DSP (USB) SECTION B: 3101-3200

SCHEMATIC DIAGRAMS-13  
PRC SECTION-4/5

ModelNo. TX-SR333/HT-RC630/HT-R393  
SchematicDiagram(Part-17)  
HDMI Section

U0080(4/5)

BAPRC-1670(4/5)

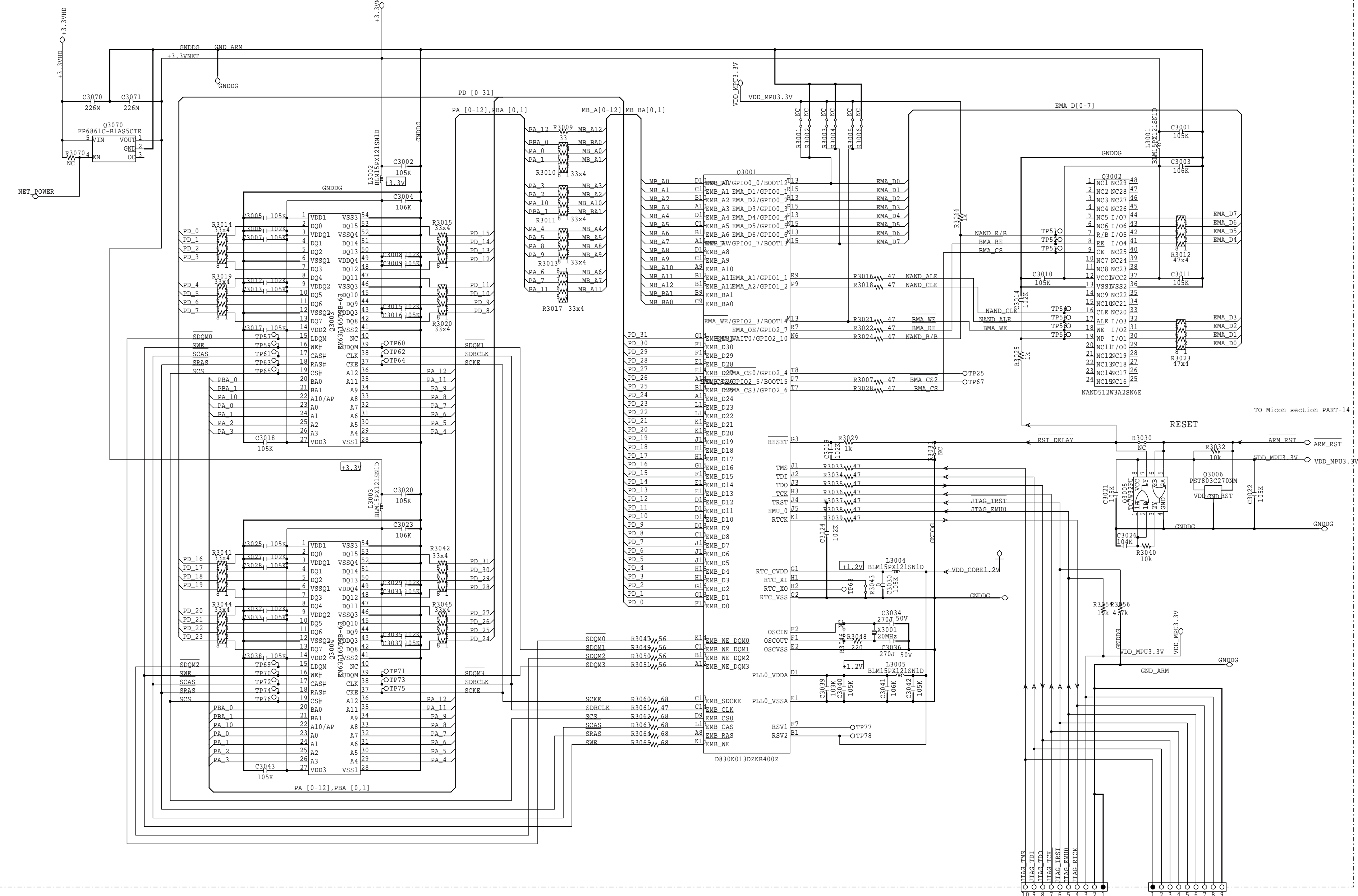


SCHEMATIC DIAGRAMS-14  
PRC SECTION-5/5

ModelNo. TX-SR333/HT-RC630/HT-R393  
SCHEMATIC DIAGRAM (PART-18)  
DSP/Memory Section

BAPRC-1670(5/5)

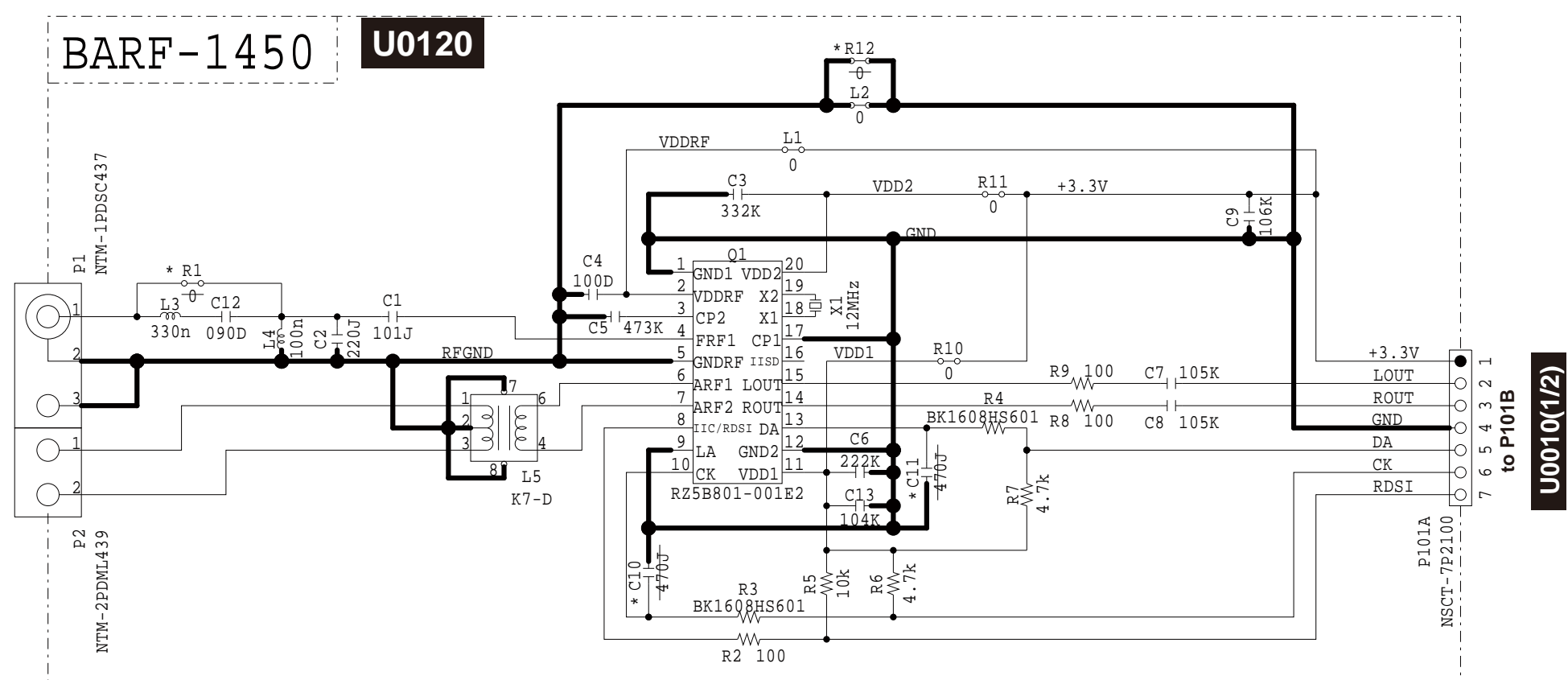
U0080(5/5)





**SCHEMATIC DIAGRAMS-15**  
**RF SECTION**

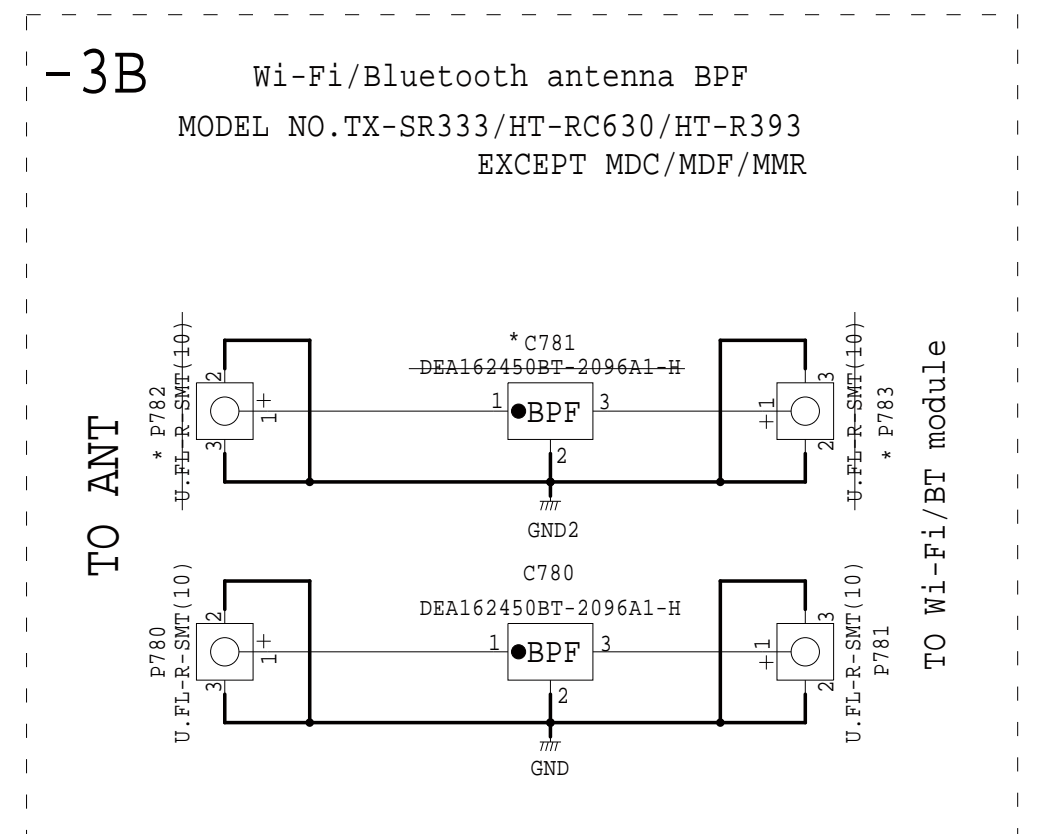
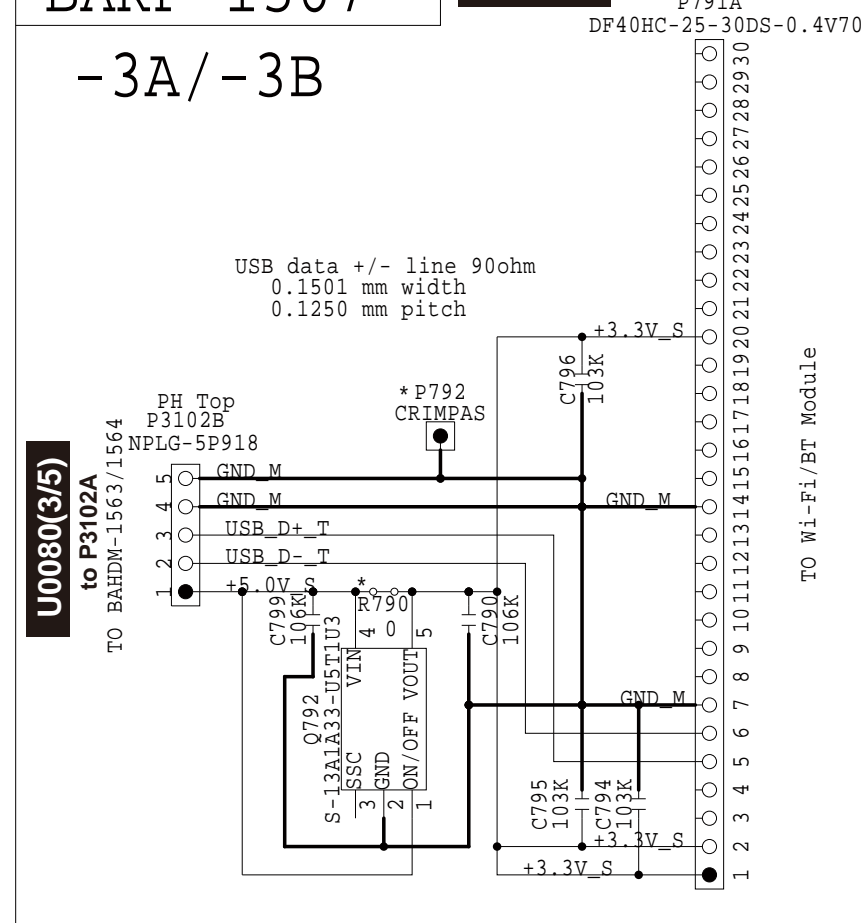
MODEL NO. TX-SR333/HT-RC630/HT-R393 SCHEMATIC DIAGRAM (PART-20)  
TUNER SECTION



	Q1	P1
-3A	22242835R2 (RZ5B801-0001E2)	25060515 (NTM-1PDSC437)
-3B	22242836R2 (RZ5B801-0002E2)	25060516 (NTM-1PDSC438)

**BARF-1567**

**U0090**



Model No. TX-SR333/HT-RC630/HT-R393 SCHEMATIC DIAGRAM (PART-19) Wi-Fi/Bluetooth Connector Section

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**HT-RC630(B)MDC****<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**

**<Notes>****(B) : Black color model****<MDC> : 120V**

Canadian/USA/(Mexico) model

: NSP

**HT-RC630(B)MDC****EXPLODED VIEW PARTS LIST**

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
Q6050	TRANSISTOR	2SC5198-O	1	2203063	
Q6050 or	TRANSISTOR	2SC4468-O	(1)	2202523	
Q6050 or	TRANSISTOR	2SC4468-P	(1)	2202526	
Q6050 or	TRANSISTOR	2SC5198-R	(1)	2203062	
Q6051	TRANSISTOR	2SC5198-O	1	2203063	
Q6051 or	TRANSISTOR	2SC4468-O	(1)	2202523	
Q6051 or	TRANSISTOR	2SC4468-P	(1)	2202526	
Q6051 or	TRANSISTOR	2SC5198-R	(1)	2203062	
Q6052	TRANSISTOR	2SC5198-O	1	2203063	
Q6052 or	TRANSISTOR	2SC4468-O	(1)	2202523	
Q6052 or	TRANSISTOR	2SC4468-P	(1)	2202526	
Q6052 or	TRANSISTOR	2SC5198-R	(1)	2203062	
Q6053	TRANSISTOR	2SC5198-O	1	2203063	
Q6053 or	TRANSISTOR	2SC4468-O	(1)	2202523	
Q6053 or	TRANSISTOR	2SC4468-P	(1)	2202526	
Q6053 or	TRANSISTOR	2SC5198-R	(1)	2203062	
Q6054	TRANSISTOR	2SC5198-O	1	2203063	
Q6054 or	TRANSISTOR	2SC4468-O	(1)	2202523	
Q6054 or	TRANSISTOR	2SC4468-P	(1)	2202526	
Q6054 or	TRANSISTOR	2SC5198-R	(1)	2203062	
Q6060	TRANSISTOR	2SA1941-O	1	2203053	
Q6060 or	TRANSISTOR	2SA1695-O	(1)	2202513	
Q6060 or	TRANSISTOR	2SA1695-P	(1)	2202516	
Q6060 or	TRANSISTOR	2SA1941-R	(1)	2203052	
Q6061	TRANSISTOR	2SA1941-O	1	2203053	
Q6061 or	TRANSISTOR	2SA1695-O	(1)	2202513	
Q6061 or	TRANSISTOR	2SA1695-P	(1)	2202516	
Q6061 or	TRANSISTOR	2SA1941-R	(1)	2203052	
Q6062	TRANSISTOR	2SA1941-O	1	2203053	
Q6062 or	TRANSISTOR	2SA1695-O	(1)	2202513	
Q6062 or	TRANSISTOR	2SA1695-P	(1)	2202516	
Q6062 or	TRANSISTOR	2SA1941-R	(1)	2203052	
Q6063	TRANSISTOR	2SA1941-O	1	2203053	
Q6063 or	TRANSISTOR	2SA1695-O	(1)	2202513	
Q6063 or	TRANSISTOR	2SA1695-P	(1)	2202516	
Q6063 or	TRANSISTOR	2SA1941-R	(1)	2203052	
Q6064	TRANSISTOR	2SA1941-O	1	2203053	
Q6064 or	TRANSISTOR	2SA1695-O	(1)	2202513	
Q6064 or	TRANSISTOR	2SA1695-P	(1)	2202516	
Q6064 or	TRANSISTOR	2SA1941-R	(1)	2203052	
<b>[CHASSIS SCREW]</b>					
A003	BOTTOM LEG	phi48(313)	4	27175472	
A005	CUSHION	(ZUL) phi20 x phi8	4	28141900	
A101	REAR PANEL	HTRC630MDC	1	27124609A	<b>N</b>
<b>[CABINET]</b>					
A201	FRONT PANEL	HTRC630(B)DC/PP	1	27213733	<b>N</b>
A203	CLEAR PLATE	333(B)D	1	28192436	
A205	BADGE		1	28135317	

A207	KNOB	(TONE)(B)	1	28326912	
A209	KNOB	(INP)B_535	1	28327172A	
A211	KNOB	(SEL)	1	28326906B	
A213	KNOB	(INP-L)B_535	1	28327174C	
A214	KNOB	(INP-R)B_535	1	28327175C	
A215	FACET	(KNOB)_535	2	28200076	
A217	KNOB	(STBY)(B)	1	28326904	
A219	KNOB	(CUR)	1	28326907B	
A221	KNOB	(VOL)AS(B)	1	28326933	
A401	COVER	(B) (Bent)	1	28210089A	
A401	COVER	(B) (Not Bent)	1	28210089AZ	
A411	LABEL	(CAUTION)	1	29392531	
<b>[TRANS COIL]</b>					
T901	POWER TRANSFORMER	NPT-1639D	1	2302088	!
<b>[SW TRM]</b>					
F6401	FUSE	10A-UL/T-233	1	252330GR	!
F6401 or	FUSE	10A-T/UL-ST2	( 1)	252333GR	!
F6402	FUSE	10A-UL/T-233	1	252330GR	!
F6402 or	FUSE	10A-T/UL-ST2	( 1)	252333GR	!
F901	FUSE	6A-UL/T-233	1	252327GR	!
P101	FLEXIBLE FLAT CABLE	NCFC7-071012	1	2047071012	
P2800	FLEXIBLE FLAT CABLE	NCFC5-131012	1	2045131012	
P701	FLEXIBLE FLAT CABLE	NCFC5-232512	1	2045232512	
P8001	FLEXIBLE FLAT CABLE	NCFC5-211012	1	2045211012	
P8003	FLEXIBLE FLAT CABLE	NCFC5-090512	1	2045090512	
P801	FLEXIBLE FLAT CABLE	NCFC5-071012	1	2045071012	
P9001	POWER SUPPLY CORD	AS-UC-2	1	253368AYUN	!
P9001 or	POWER SUPPLY CORD	AS-UC-2	( 1)	253368BLTK	!
<b>[TUNER UNIT]</b>					
<b>U001</b>	<b>U0010, U0011, U0012, U0013</b>	<b>BAAF-1672-1A * (Parent)</b>	<b>1</b>	<b>1B299572-1A</b>	<b>MDC</b>
U0010	AMP/ ASP PC BOARDS AS	BAAF-1672-1A (Child)	1	1B2995672-1A	
U0011	SENSOR(THERMAL) PC BOARDS AS	BAETC-1673-1A (Child)	1	1B2995673-1A	
U0012	FIX(THERMAL) PC BOARDS AS	BAETC-1674-1A (Child)	1	1B2995674-1A	
U0013	TERMINAL(DIGITAL) PC BOARDS AS	BADG-1664-1A (Child)	1	1B2995664-1A	
<b>U003</b>	<b>U0030, U0031, U0032 x 2 pcs.</b>	<b>BACLA-1522-2A * (Parent)</b>	<b>1</b>	<b>1B299522-2A</b>	<b>MDC</b>
U0030	AMP(CLASS-A) PC BOARDS AS	BACLA-1522-2A (Child)	1	1B2995522-2A	
U0031	FIX(FFC) PC BOARDS AS	BAETC-1523-2A (Child)	1	1B2995523-2A	
U0032	FIX(HP CABLE) PC BOARDS AS	BAETC-1528-2A (Child)	1	1B2995528-2A	
<b>U004</b>	<b>U0040, U0041, U0042, U0043, U0044, U0045</b>	<b>BADIS-1658-1A * (Parent)</b>	<b>1</b>	<b>1B299558-1A</b>	<b>MDC</b>
U0040	DISPLAY PC BOARDS AS	BADIS-1658-1A (Child)	1	1B2995658-1A	
U0041	KEY /LED PC BOARDS AS	BASW-1659-1A (Child)	1	1B2995659-1A	
U0042	TERMINAL PC BOARDS AS	BAETC-1660-1A (Child)	1	1B2995660-1A	
U0043	VIDEO PC BOARDS AS	BAVD-1661-1A (Child)	1	1B2995661-1A	
U0044	PHONE JACK PC BOARDS AS	BAETC-1662-1A (Child)	1	1B2995662-1A	
U0045	POWER SUPPLY(PRI) PC BOARDS AS	BAPS-1663-1A (Child)	1	1B2995663-1A	
<b>U008</b>	<b>U0080 x 2 pcs.</b>	<b>BAPRC-1670-1A * (Parent)</b>	<b>1</b>	<b>1670-1A_HTRC630MDC</b>	<b>MDC</b>
U0080	PROCESSING PC BOARDS AS	BAPRC-1670-1A (Child)	1	1B2995670-1A_RC630DC	
<b>U009</b>	<b>U0090 x 25 pcs.</b>	<b>BARF-1567-3A * (Parent)</b>	<b>1</b>	<b>1B299567-3A</b>	<b>MDC</b>
U0090	CONNCTOR(Wifi)/ BPF PC BOARDS AS	BARF-1567-3A (Child)	1	1B2995567-3A	
<b>U012</b>	<b>U0120 x 25 pcs.</b>	<b>BARF-1450-3A * (Parent)</b>	<b>1</b>	<b>1B299550-3A</b>	<b>MDC</b>
U0120	TUNER PC BOARDS AS	BARF-1450-3A (Child)	1	1B2995450-3A	
U0120A	SHIELD CASE	(TUNER-TOP)	1	27225206A	
U0120B	SHIELD CASE	(TUNER-BTM)	1	27225207A	
U791	WIFI MODULE(U791A+U791B+U791C)	WCBN4601L-O1(wANT_IN)	1	24850701	
U791A	ASSEMBLED PWB	WCBN4601L-O1	{ 1}	24150122	
U791B	WIFI BT ANTENA	2.4GHZ ANT L1	{ 1}	2050091	
U791C	WIFI BT ANTENA	2.4GHZ ANT R1	{ 1}	2050092	

HT-RC630(B)MDC

## PACKING PROCEDURES PARTS LIST

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[PACKING]</b>					
A601	PAD	(AS)309	1	29092570B	
A601A	PAD	(L)309	{ 1}	29092571B	
A601B	PAD	(R)309	{ 1}	29092572B	
A605	BAG	(650 x 600 x 0.515)	1	29100267	
A606	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A701	CARTON	HTRC630DC/EX	1	29055491	<b>N</b>
A702	POLYPROPYLENE TAPE	W50 SBT-70	1	29110200	
A711A	UPC LABEL	HTRC630(B)MDC	{ 1}	29392607	<b>N</b>
<b>[ACCESSARY]</b>					
A801	POLY BAG	w250xd350	1	29100250A	
A803	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A805	REMOTE CONTROL TRANSMITTER	RC-879M	1	24140879	
A807	BATTERY	R6/AA(UM-3)	2	3010194	
A807 or	BATTERY	R6/AA(UM-3)	( 2)	3010054	
A811	ANTENNA COIL	AM LOOP-ANTENNA	1	232207	
A813	FM ANT AS	Type W	1	292191	
A815	LABEL	(SPCABLE)2009	1	29390881	
A823	WARRANTY CARD	(ONKYO)	1	29365156	
A901	INSTRUCTION MANUAL	BAS_En Fr Es(HTRC630)	1	29401805	<b>N</b>
A933	INSTRUCTION MANUAL	SAFETY_U4(EnFrEsCt)	1	29401783	
A941	INSTRUCTION MANUAL	EnJa(GNU_License_2013)	1	29401470A	
A971	SHEET	(FLYER-US)	1	29380162	

HT-RC630(B)MDC

## PC BOARD PARTS LIST

U001

BAAF-1672-1A

: NSP

CIRCUIT NO	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
D4173	ZENER DIODE	DZ2J068M0L	1	224760680R2	
D4173 or	ZENER DIODE	UDZS6.8B	(1)	224550680R2	
D4174	ZENER DIODE	DZ2J068M0L	1	224760680R2	
D4174 or	ZENER DIODE	UDZS6.8B	(1)	224550680R2	
D4300	DIODE	RL1N4003	1	22380260T	
D4301	DIODE	RL1N4003	1	22380260T	
D4302	DIODE	RL1N4003	1	22380260T	
D4303	DIODE	RL1N4003	1	22380260T	
D4304	DIODE	RL1N4003	1	22380260T	
D4305	DIODE	RL1N4003	1	22380260T	
D6000	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D6000 or	CHIP TYPE DIODE	1SS352	(1)	223234R2	
D6001	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D6001 or	CHIP TYPE DIODE	1SS352	(1)	223234R2	
D6002	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D6002 or	CHIP TYPE DIODE	1SS352	(1)	223234R2	
D6003	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D6003 or	CHIP TYPE DIODE	1SS352	(1)	223234R2	
D6004	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D6004 or	CHIP TYPE DIODE	1SS352	(1)	223234R2	
D6401	DIODE	TS10B06G-07	1	22380379	
D6401A	HEAT SINK	RAD-196	1	27160545	
D6401B	SCREW	3P+10FN(3BC)	1	82143010GR	
D6402	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D6402 or	CHIP TYPE DIODE	1SS352	(1)	223234R2	
D6451	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D6451 or	CHIP TYPE DIODE	1SS352	(1)	223234R2	
D6452	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D6452 or	CHIP TYPE DIODE	1SS352	(1)	223234R2	
D6455	ZENER DIODE	DZ2J033M0L	1	224760330R2	
D6455 or	ZENER DIODE	UDZS3.3B	(1)	224550330R2	
D6600	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D6600 or	CHIP TYPE DIODE	1SS352	(1)	223234R2	
D6601	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D6601 or	CHIP TYPE DIODE	1SS352	(1)	223234R2	
D6602	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D6602 or	CHIP TYPE DIODE	1SS352	(1)	223234R2	
Q1000	HYBRID IC	TC74HCU04AF	1	222740046R2TO	
Q1011	PHOTO COUPLER	JSR1165-001recieving	1	24120143	
Q4001	HYBRID IC	R2A15218FP	1	22242605R3	
Q4003	HYBRID IC	NJM4580M-D	1	22241448R2	
Q4004	HYBRID IC	NJM4580M-D	1	22241448R2	
Q4100	TRANSISTOR	RTAN430C-T112-1	1	2217780R2	
Q4100 or	TRANSISTOR	RN1441	(1)	2215410R2	
Q4101	TRANSISTOR	RTAN430C-T112-1	1	2217780R2	
Q4101 or	TRANSISTOR	RN1441	(1)	2215410R2	
Q4102	TRANSISTOR	RTAN430C-T112-1	1	2217780R2	
Q4102 or	TRANSISTOR	RN1441	(1)	2215410R2	
Q4103	TRANSISTOR	RTAN430C-T112-1	1	2217780R2	
Q4103 or	TRANSISTOR	RN1441	(1)	2215410R2	
Q4104	TRANSISTOR	RTAN430C-T112-1	1	2217780R2	
Q4104 or	TRANSISTOR	RN1441	(1)	2215410R2	
Q4107	TRANSISTOR	RTAN430C-T112-1	1	2217780R2	
Q4107 or	TRANSISTOR	RN1441	(1)	2215410R2	
Q4117	TRANSISTOR	RTAN430C-T112-1	1	2217780R2	

Q4117 or	TRANSISTOR	RN1441	( 1)	2215410R2
Q4130	HYBRID IC	NJM4580M-D	1	22241448R2
Q4170	HYBRID IC	78M15HF(NJM78M15FA)	1	222780155JRC
Q4170A	HEAT SINK	ME151025402170	1	27160692
Q4170B	SCREW	3P+10FN(3BC)	1	82143010GR
Q4171	HYBRID IC	79M15HF(NJM79M15FA)	1	222790155JRC
Q4171A	HEAT SINK	ME151025402170	1	27160692
Q4171B	SCREW	3P+10FN(3BC)	1	82143010GR
Q4302	TRANSISTOR	RTAN430C-T112-1	1	2217780R2
Q4302 or	TRANSISTOR	RN1441	( 1)	2215410R2
Q4303	TRANSISTOR	RTAN430C-T112-1	1	2217780R2
Q4303 or	TRANSISTOR	RN1441	( 1)	2215410R2
Q6000	TRANSISTOR	KTC3875-GR	1	2216175R2
Q6000 or	TRANSISTOR	2SC2412K-R	( 1)	2214653R2
Q6001	TRANSISTOR	KTC3875-GR	1	2216175R2
Q6001 or	TRANSISTOR	2SC2412K-R	( 1)	2214653R2
Q6002	TRANSISTOR	KTC3875-GR	1	2216175R2
Q6002 or	TRANSISTOR	2SC2412K-R	( 1)	2214653R2
Q6003	TRANSISTOR	2SD2704K	1	2218130R2
Q6004	TRANSISTOR	2SD2704K	1	2218130R2
Q6070	TRANSISTOR	2SC2713-BL	1	2213136R2
Q6071	TRANSISTOR	2SC2713-BL	1	2213136R2
Q6072	TRANSISTOR	2SC2713-BL	1	2213136R2
Q6073	TRANSISTOR	2SC2713-BL	1	2213136R2
Q6074	TRANSISTOR	2SC2713-BL	1	2213136R2
Q6300	HYBRID IC	LM61CIZ	1	22242212
Q6300A	RETAINER	(PTH)	1	27141884-1
Q6401	TRANSISTOR	KTC3875-GR	1	2216175R2
Q6401 or	TRANSISTOR	2SC2712-GR	( 1)	2213145R2
Q6451	TRANSISTOR	2SC2713-BL	1	2213136R2
Q6452	TRANSISTOR	2SC2713-BL	1	2213136R2
Q6453	TRANSISTOR	2SA1163-BL(TE85L_F)	1	2216756R2
Q6454	TRANSISTOR	2SA1163-BL(TE85L_F)	1	2216756R2
Q6600	TRANSISTOR	KRC105S	1	2217290R2
Q6600 or	TRANSISTOR	RN1405	( 1)	2214500R2
Q6601	TRANSISTOR	KRC105S	1	2217290R2
Q6601 or	TRANSISTOR	RN1405	( 1)	2214500R2
<b>[TRANS COIL]</b>				
L1000	CHOKE COIL	LBC2518T2R2M	1	231364M022R2
L1001	CHOKE COIL	LBC2518T2R2M	1	231364M022R2
L1002	CHOKE COIL	LBC2518T2R2M	1	231364M022R2
L1003	CHOKE COIL	LBC2518T470M	1	231364M470R2
L1004	CHOKE COIL	LBC2518T470M	1	231364M470R2
L1005	EMI SUPPRESSION FILTER	BK1608HS102-T	1	230955R2
L1006	EMI SUPPRESSION FILTER	BK1608HS102-T	1	230955R2
<b>[CAPACITOR]</b>				
C1001	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1
C1002	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1
C1003	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K1	1	332121045R1
C1004	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K1	1	332121045R1
C1005	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-080D1	1	342100802R1
C1006	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-080D1	1	342100802R1
C1007	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C1008	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1
C1009	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1
C1011	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-330J1	1	342103304R1
C1013	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C4003	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF221JE	1	376332214T
C4004	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF221JE	1	376332214T
C4009	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1
C4010	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1
C4013	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1

C4014	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1
C4015	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1
C4016	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1
C4017	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1
C4018	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1
C4019	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF221JE	1	376332214T
C4020	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF221JE	1	376332214T
C4027	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1
C4050	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C4051	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C4052	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C4053	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C4054	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C4055	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C4056	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C4057	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C4060	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT
C4061	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT
C4070	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4071	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4072	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4073	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4074	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4077	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4090	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1
C4091	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1
C4095	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K1	1	332101035R1
C4100	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4101	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4102	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4103	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4104	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4107	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT
C4108	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4109	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4130	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4131	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1
C4132	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-103J	1	374721034T
C4166	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C4167	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C4170	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-104J	1	374721044T
C4171	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-104J	1	374721044T
C4172	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4173	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C4174	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W16V-470M(UTSP)	1	397544717T
C4175	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W16V-470M(UTSP)	1	397544717T
C4209	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT
C4210	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT
C4212	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-104J	1	374721044T
C4219	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-102J1	1	342101024R1
C4300	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-334J	1	374723344T
C4301	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W35V-1000M	1	398561027T
C4301 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W35V-1000M(VR)	(1)	394661027T
C4302	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W35V-1000M	1	398561027T
C4302 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W35V-1000M(VR)	(1)	394661027T
C4303	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-334J	1	374723344T
C4305	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1
C4306	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1
C4324	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-102J1	1	342101024R1
C4400	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K1	1	332101025R1
C4401	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K1	1	332101025R1
C6050	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-103J	1	374721034T

C6051	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-103J	1	374721034T
C6052	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-103J	1	374721034T
C6053	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-103J	1	374721034T
C6054	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-103J	1	374721034T
C6250	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-473J	1	374724734T
C6251	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-473J	1	374724734T
C6252	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-473J	1	374724734T
C6253	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-473J	1	374724734T
C6254	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-473J	1	374724734T
C6301	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1
C6401	ELECTROLYTIC CAPACITOR	CE69W63V-6800M	1	3504506
C6402	ELECTROLYTIC CAPACITOR	CE69W63V-6800M	1	3504506
C6403	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V100V-334J	1	374733344T
C6404	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V100V-334J	1	374733344T
C6411	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1
C6451	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C6452	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1
C6453	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-1M(UTSP)	1	397580107AT
C6454	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-1M(UTSP)	1	397580107AT
C6455	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1
C6456	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT
C6600	CHIP TYPE CERAMIC CAPACITOR	CK725F1H-104Z1	1	332151040R1
C6601	CHIP TYPE CERAMIC CAPACITOR	CK725F1H-104Z1	1	332151040R1
C6602	CHIP TYPE CERAMIC CAPACITOR	CK725F1H-104Z1	1	332151040R1
C6650	MKT TYPE CAPACITOR	B32529C0102J289	1	376491024T
C6651	MKT TYPE CAPACITOR	B32529C0102J289	1	376491024T
C6652	MKT TYPE CAPACITOR	B32529C0102J289	1	376491024T
C6653	MKT TYPE CAPACITOR	B32529C0102J289	1	376491024T
C6654	MKT TYPE CAPACITOR	B32529C0102J289	1	376491024T
<b>[RESISTOR]</b>				
R1000	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R1001	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1
R1002	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1
R1003	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1
R1004	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1
R1005	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R1006	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R1007	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R1008	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R1009	CHIP TYPE CARBON RESISTOR	RN72K1J-823JE	1	435038234R1
R1010	CHIP TYPE CARBON RESISTOR	RN72K1J-823JE	1	435038234R1
R1011	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1
R4003	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4004	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4009	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4010	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4013	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4014	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4015	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4016	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4017	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4018	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4019	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4020	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4027	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1
R4043	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4044	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4049	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4050	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4053	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4054	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4055	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1



R4056	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4057	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4058	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4059	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4060	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4077	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1
R4078	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R4079	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R4082	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1
R4087	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R4088	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R4090	CHIP TYPE CARBON RESISTOR	RN72K1J-123JE	1	435031234R1
R4091	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1
R4092	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4093	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1
R4094	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R4095	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R4096	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R4097	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1
R4098	CHIP TYPE CARBON RESISTOR	RN72K1J-123JE	1	435031234R1
R4099	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1
R4100	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4101	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4102	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4103	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4104	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4107	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4110	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1
R4111	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1
R4112	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1
R4113	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1
R4114	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1
R4117	CHIP TYPE CARBON RESISTOR	RN72K1J-271JE	1	435032714R1
R4121	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R4122	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R4123	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R4124	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R4127	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1
R4130	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R4131	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R4132	CHIP TYPE CARBON RESISTOR	RN72K1J-153JE	1	435031534R1
R4133	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1
R4134	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R4160	METAL RESISTOR	RNU1WCJ-0.22	1	453632294T
R4161	METAL RESISTOR	RNU1WCJ-0.22	1	453632294T
R4166	CHIP TYPE CARBON RESISTOR	RN72K1J-220JE	1	435032204R1
R4167	CHIP TYPE CARBON RESISTOR	RN72K1J-220JE	1	435032204R1
R4174	METAL OXIDE FILM RESISTOR	RS1WBJ-68	1	443626804T
R4175	METAL OXIDE FILM RESISTOR	RS1WBJ-68	1	443626804T
R4176	METAL OXIDE FILM RESISTOR	RS1WBJ-47	1	443624704T
R4177	METAL OXIDE FILM RESISTOR	RS1WBJ-47	1	443624704T
R4181	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4182	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4185	METAL RESISTOR	RNU1WCJ-4.7	1	453630474T
R4187	METAL OXIDE FILM RESISTOR	RS1WBJ-10	1	443621004T
R4189	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4190	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4211	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R4292	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4293	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4294	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R4304	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1



R6200	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1	
R6201	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1	
R6202	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1	
R6203	CHIP TYPE CARBON RESISTOR	RN72K1J-104FE	1	435031042R1	
R6204	CHIP TYPE CARBON RESISTOR	RN72K1J-104FE	1	435031042R1	
R6210	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1	
R6211	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1	
R6212	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1	
R6213	CHIP TYPE CARBON RESISTOR	RN72K1J-104FE	1	435031042R1	
R6214	CHIP TYPE CARBON RESISTOR	RN72K1J-104FE	1	435031042R1	
R6220	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R6221	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R6222	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R6223	CHIP TYPE CARBON RESISTOR	RN72K1J-220FE	1	435032202R1	
R6224	CHIP TYPE CARBON RESISTOR	RN72K1J-220FE	1	435032202R1	
R6230	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1	
R6231	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1	
R6232	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1	
R6233	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R6234	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R6240	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R6241	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R6242	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R6243	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	
R6244	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	
R6402	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1	
R6403	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1	
R6440	METAL RESISTOR	RNU1WCJ-8.2	1	453630824T	
R6441	METAL RESISTOR	RNU1WCJ-8.2	1	453630824T	
R6442	METAL RESISTOR	RNU1WCJ-8.2	1	453630824T	
R6443	METAL RESISTOR	RNU1WCJ-8.2	1	453630824T	
R6444	METAL RESISTOR	RNU1WCJ-8.2	1	453630824T	
R6451	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1	
R6452	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R6453	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	
R6454	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1	
R6455	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R6456	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	
R6457	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	
R6458	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1	
R6459	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1	
R6460	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1	
R6690	METAL OXIDE FILM RESISTOR	RS1/2WBJ-10	1	443521004T	
<b>[SW TRM]</b>					
F6401A	FUSE HOLDER	NSCT-1P2031	1	25052133T	!
F6401B	FUSE HOLDER	NSCT-1P2031	1	25052133T	!
F6402A	FUSE HOLDER	NSCT-1P2031	1	25052133T	!
F6402B	FUSE HOLDER	NSCT-1P2031	1	25052133T	!
P1000	ST JACK	MSJ-035-22	1	25045887	
P1001	PIN JACK	NPJ-2PDOO626	1	25045847	
P1002	TRM-423(SCREW)	NEJITANSI ST3	1	25060495	
P101B	SOCKET	NSCT-7P2100	1	25052203	
P4002	PIN JACK	NPJ-4PDWWR624	1	25045845	
P4003	PIN JACK	NPJ-4PDWWR624	1	25045845	
P4004	PIN JACK	NPJ-4PDWWR624	1	25045845	
P4009	PIN JACK	NPJ-2PDWR558	1	25045776	
P4011	PIN JACK	NPJ-1PDP555	1	25045773	
P501	WIRE HARNESS ASSEMBLY	NSAS-3P2094	1	2009991283UL	
P501A	WIRE HOL	NSCT-3P874	1	25051087	
P501Aor	WIRE HOL	CHD-1.5-3	(1)	25053535	
P5506B	TERMINAL	NTM-1P232(M1700)	1	25060301	
P5507A	TERMINAL	NTM-1P232(M1700)	1	25060301	

P5508	TRM-423(SCREW)	NEJITANSI ST3	1	25060495	
P5509A	TERMINAL	NTM-1P232(M1700)	1	25060301	
P6000B	PLUG	NPLG-9P0964	1	25056014	
P6001B	PLUG	NPLG-9P0964	1	25056014	
P6002B	PLUG	NPLG-9P0964	1	25056014	
P6004B	PLUG	NPLG-9P0964	1	25056014	
P6013B	PLUG	NPLG-9P0964	1	25056014	
P603A	WIRE HOL	NSCT-9P900	1	25051113	
P603Aor	WIRE HOL	CHD-2.5-9	(1)	25053543	
P603B	WIRE HOL	NSCT-9P900	1	25051113	
P603Bor	WIRE HOL	CHD-2.5-9	(1)	25053543	
P605B	PLUG	NPLG-5P119	1	25055135	
P6080	PLUG	NPLG-2P29	1	25055038	
P6081	PLUG	NPLG-2P29	1	25055038	
P6082	PLUG	NPLG-2P29	1	25055038	
P6083	PLUG	NPLG-2P29	1	25055038	
P6084	PLUG	NPLG-2P29	1	25055038	
P6104	HOLDER	HOLDER(CLAMP)	1	27190540-1	
P6201	PLUG	NPLG-5P152	1	25055168	
P6400A	CRIMP CORD ASSEMBLY	CLIMP AS	1	2069925080UL	
P6401A	CRIMP CORD ASSEMBLY	CRIMP AS	1	2069925142UL	
P6402A	CRIMP CORD ASSEMBLY	CRIMP AS	1	2069925226UL	
P6600	TERMINAL	NTM-10PDML363	1	25060434	
P660A	WIRE HOL	NSCT-7P898	1	25051111	
P660Aor	WIRE HOL	CHD-2.5-7	(1)	25053542	
P660B	WIRE HOL	NSCT-7P898	1	25051111	
P660Bor	WIRE HOL	CHD-2.5-7	(1)	25053542	
P703B	PLUG	NPLG-3P131	1	25055147	
P8001B	SOCKET	NSCT-21P2412	1	25052515	
P8003B	SOCKET	NSCT-9P2243	1	25052346	
P801A	SOCKET	NSCT-7P2398	1	25052501	
RL643	RELAY	NRL-1P10A-DC12-196	1	25065707	
RL643 or	RELAY	NRL-1P10A-DC12-197	(1)	25065708	
RL643 or	RELAY	NRL-1P10A-DC12-198	(1)	25065709	
RL644	RELAY	NRL-1P10A-DC12-196	1	25065707	
RL644 or	RELAY	NRL-1P10A-DC12-197	(1)	25065708	
RL644 or	RELAY	NRL-1P10A-DC12-198	(1)	25065709	
RL6600	RELAY	NRL-2P5A-DC24-129	1	25065563A	
RL6601	RELAY	NRL-2P5A-DC24-129	1	25065563A	
RL6602	RELAY	NRL-2P5A-DC24-129	1	25065563A	

**U003**

BACLA-1522-2A

: NSP

CIRCUIT NO	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
D5000	ZENER DIODE	DZ2J056M0L	1	224760560R2	
D5000 or	ZENER DIODE	UDZS5.6B	(1)	224550560R2	
D5001	ZENER DIODE	DZ2J056M0L	1	224760560R2	
D5001 or	ZENER DIODE	UDZS5.6B	(1)	224550560R2	
D5002	ZENER DIODE	DZ2J056M0L	1	224760560R2	
D5002 or	ZENER DIODE	UDZS5.6B	(1)	224550560R2	
D5003	ZENER DIODE	DZ2J056M0L	1	224760560R2	
D5003 or	ZENER DIODE	UDZS5.6B	(1)	224550560R2	
D5004	ZENER DIODE	DZ2J056M0L	1	224760560R2	
D5004 or	ZENER DIODE	UDZS5.6B	(1)	224550560R2	
Q5000	TRANSISTOR	2SC2713-BL	1	2213136R2	
Q5001	TRANSISTOR	2SC2713-BL	1	2213136R2	
Q5002	TRANSISTOR	2SC2713-BL	1	2213136R2	
Q5003	TRANSISTOR	2SC2713-BL	1	2213136R2	

Q5004	TRANSISTOR	2SC2713-BL	1	2213136R2
Q5010	TRANSISTOR	2SC2713-BL	1	2213136R2
Q5011	TRANSISTOR	2SC2713-BL	1	2213136R2
Q5012	TRANSISTOR	2SC2713-BL	1	2213136R2
Q5013	TRANSISTOR	2SC2713-BL	1	2213136R2
Q5014	TRANSISTOR	2SC2713-BL	1	2213136R2
Q5030	TRANSISTOR	INA6006AP1-T111	1	2217980R2
Q5030 or	TRANSISTOR	2SA1200-Y(2LONK_ZE)	(1)	2217584R2
Q5031	TRANSISTOR	INA6006AP1-T111	1	2217980R2
Q5031 or	TRANSISTOR	2SA1200-Y(2LONK_ZE)	(1)	2217584R2
Q5032	TRANSISTOR	INA6006AP1-T111	1	2217980R2
Q5032 or	TRANSISTOR	2SA1200-Y(2LONK_ZE)	(1)	2217584R2
Q5033	TRANSISTOR	INA6006AP1-T111	1	2217980R2
Q5033 or	TRANSISTOR	2SA1200-Y(2LONK_ZE)	(1)	2217584R2
Q5034	TRANSISTOR	INA6006AP1-T111	1	2217980R2
Q5034 or	TRANSISTOR	2SA1200-Y(2LONK_ZE)	(1)	2217584R2
Q5040	TRANSISTOR	INC6006AP1-T111	1	2217990R2
Q5040 or	TRANSISTOR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2
Q5041	TRANSISTOR	INC6006AP1-T111	1	2217990R2
Q5041 or	TRANSISTOR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2
Q5042	TRANSISTOR	INC6006AP1-T111	1	2217990R2
Q5042 or	TRANSISTOR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2
Q5043	TRANSISTOR	INC6006AP1-T111	1	2217990R2
Q5043 or	TRANSISTOR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2
Q5044	TRANSISTOR	INC6006AP1-T111	1	2217990R2
Q5044 or	TRANSISTOR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2
Q5050	TRANSISTOR	2SC2412K-R	1	2214653R2
Q5051	TRANSISTOR	2SC2412K-R	1	2214653R2
Q5052	TRANSISTOR	2SC2412K-R	1	2214653R2
Q5053	TRANSISTOR	2SC2412K-R	1	2214653R2
Q5054	TRANSISTOR	2SC2412K-R	1	2214653R2
Q5460	TRANSISTOR	2SA1037AK-R	1	2217043R2
Q5461	TRANSISTOR	2SA1037AK-R	1	2217043R2
Q5462	TRANSISTOR	2SA1037AK-R	1	2217043R2
Q5463	TRANSISTOR	2SA1163-BL(TE85L_F)	1	2216756R2
Q5464	TRANSISTOR	2SA1163-BL(TE85L_F)	1	2216756R2
Q6010	TRANSISTOR	2SC2412K-R	1	2214653R2
Q6011	TRANSISTOR	2SC2412K-R	1	2214653R2
Q6012	TRANSISTOR	2SC2412K-R	1	2214653R2
Q6013	TRANSISTOR	2SC2713-BL	1	2213136R2
Q6014	TRANSISTOR	2SC2713-BL	1	2213136R2
Q6030	TRANSISTOR	TTC004B_Q(S)	1	2218022
Q6031	TRANSISTOR	TTC004B_Q(S)	1	2218022
Q6032	TRANSISTOR	TTC004B_Q(S)	1	2218022
Q6033	TRANSISTOR	TTC004B_Q(S)	1	2218022
Q6034	TRANSISTOR	TTC004B_Q(S)	1	2218022
Q6040	TRANSISTOR	TTA004B_Q(S)	1	2218012
Q6041	TRANSISTOR	TTA004B_Q(S)	1	2218012
Q6042	TRANSISTOR	TTA004B_Q(S)	1	2218012
Q6043	TRANSISTOR	TTA004B_Q(S)	1	2218012
Q6044	TRANSISTOR	TTA004B_Q(S)	1	2218012
<b>[CAPACITOR]</b>				
C5000	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF471JE	1	376334714T
C5001	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF471JE	1	376334714T
C5002	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF471JE	1	376334714T
C5003	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF471JE	1	376334714T
C5004	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF471JE	1	376334714T
C5010	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C5011	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C5012	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C5013	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C5014	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT

C5020	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT
C5021	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT
C5022	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT
C5023	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT
C5024	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT
C5040	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C5041	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C5042	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C5043	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C5044	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T
C5050	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C5051	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C5052	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C5053	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C5054	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C5080	CERAMIC CAPACITOR	CC45SL50V-040C	1	345020401T
C5081	CERAMIC CAPACITOR	CC45SL50V-040C	1	345020401T
C5082	CERAMIC CAPACITOR	CC45SL50V-040C	1	345020401T
C5083	CERAMIC CAPACITOR	CC45SL50V-040C	1	345020401T
C5084	CERAMIC CAPACITOR	CC45SL50V-040C	1	345020401T
C5090	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF101JE	1	376331014T
C5091	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF101JE	1	376331014T
C5092	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF101JE	1	376331014T
C5093	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF101JE	1	376331014T
C5094	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF101JE	1	376331014T
C5100	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T
C5101	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T
C5102	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T
C5103	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T
C5104	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T
C5110	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T
C5111	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T
C5112	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T
C5113	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T
C5114	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T
C6040	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C6041	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C6042	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C6043	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
C6044	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT
<b>[RESISTOR]</b>				
R5000	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R5001	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R5002	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R5003	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R5004	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R5010	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1
R5011	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1
R5012	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1
R5013	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1
R5014	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1
R5020	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R5021	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R5022	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R5023	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R5024	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R5030	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-56K	1	415475634T
R5031	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-56K	1	415475634T
R5032	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-56K	1	415475634T
R5033	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-56K	1	415475634T
R5034	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-56K	1	415475634T
R5040	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1



R5193	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5194	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5200	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-33K	1	415473334T	
R5201	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-33K	1	415473334T	
R5202	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-33K	1	415473334T	
R5203	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-33K	1	415473334T	
R5204	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-33K	1	415473334T	
R5290	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R5291	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R5292	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R5300	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1	
R5301	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1	
R5302	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1	
R5303	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1	
R5304	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1	
R5310	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1	
R5311	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1	
R5312	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1	
R5313	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1	
R5314	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1	
R5390	CHIP TYPE CARBON RESISTOR	RN72K1J-821JE	1	435038214R1	
R5391	CHIP TYPE CARBON RESISTOR	RN72K1J-821JE	1	435038214R1	
R5392	CHIP TYPE CARBON RESISTOR	RN72K1J-821JE	1	435038214R1	
R5393	CHIP TYPE CARBON RESISTOR	RN72K1J-122FE	1	435031222R1	
R5394	CHIP TYPE CARBON RESISTOR	RN72K1J-222FE	1	435032222R1	
R6013	CHIP TYPE CARBON RESISTOR	RN72K1J-152FE	1	435031522R1	
R6014	CHIP TYPE CARBON RESISTOR	RN72K1J-152FE	1	435031522R1	
R6020	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-2.2	1	415470224T	
R6021	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-2.2	1	415470224T	
R6022	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-2.2	1	415470224T	
R6023	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-2.2	1	415470224T	
R6024	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-2.2	1	415470224T	
R6033	CHIP TYPE CARBON RESISTOR	RN72K1J-152FE	1	435031522R1	
R6034	CHIP TYPE CARBON RESISTOR	RN72K1J-152FE	1	435031522R1	
R6040	TRIMMER RESISTOR	N06HR1KBB	1	5211401T	
R6041	TRIMMER RESISTOR	N06HR1KBB	1	5211401T	
R6042	TRIMMER RESISTOR	N06HR1KBB	1	5211401T	
R6050	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	
R6051	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	
R6052	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	
R6053	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R6054	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R6070	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-100	1	415471014T	
R6071	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-100	1	415471014T	
R6072	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-100	1	415471014T	
R6073	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-120	1	415471214T	
R6074	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-120	1	415471214T	
<b>[SW TRM]</b>					
P5507B	TERMINAL	NTM-1P233(M1969)	1	25060302	
P5509B	TERMINAL	NTM-1P233(M1969)	1	25060302	
P6000A	SOCKET	NSCT-9P2189	1	25052292	
P6001A	SOCKET	NSCT-9P2189	1	25052292	
P6002A	SOCKET	NSCT-9P2189	1	25052292	
P6003A	SOCKET	NSCT-9P2189	1	25052292	
P6004A	SOCKET	NSCT-9P2189	1	25052292	

U004

BADIS-1658-1A

: NSP

CIRCUIT NO PART NAME

DESCRIPTION

Q'TY PART NO. (SN)

REMARKS



**[SEMI CONDUCTOR]**

D201	DIODE	G10XB80-02-60A-T16	1	22380378F
D201 or	DIODE	D5SBA60	(1)	22380070F
D202	CHIP TYPE DIODE	DA2J10100	1	223303R2
D202 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D203	CHIP TYPE DIODE	DA2J10100	1	223303R2
D203 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D204	ZENER DIODE	DZ2J062M0L	1	224760620R2
D204 or	ZENER DIODE	UDZS6.2B	(1)	224550620R2
D2101	CHIP TYPE DIODE	DA2J10100	1	223303R2
D2101 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D2102	CHIP TYPE DIODE	DA2J10100	1	223303R2
D2102 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D7002	ZENER DIODE	DZ2J082M0L	1	224760820R2
D7002 or	ZENER DIODE	UDZS8.2B	(1)	224550820R2
D7033	ZENER DIODE	DZ2J039M0L	1	224760390R2
D7033 or	ZENER DIODE	UDZS3.9B	(1)	224550390R2
D7152	LED	SLI-343Y8C-3F	1	225491
D7301	CHIP TYPE DIODE	DA2J10100	1	223303R2
D7301 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D7302	CHIP TYPE DIODE	DA2J10100	1	223303R2
D7302 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D7303	CHIP TYPE DIODE	DA2J10100	1	223303R2
D7304	CHIP TYPE DIODE	DA2J10100	1	223303R2
D7654	LED	SCB3318E-D2	1	225487
D7654A	HOLDER	(LED)LH-5-5	1	27191312
D7655	LED	SCB3318E-D2	1	225487
D7655A	HOLDER	(LED)LH-5-5	1	27191312
D911	CHIP TYPE DIODE	DA2J10100	1	223303R2
D911 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D912	CHIP TYPE DIODE	DA2J10100	1	223303R2
D912 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D921	CHIP TYPE DIODE	DA2J10100	1	223303R2
D921 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D922	CHIP TYPE DIODE	DA2J10100	1	223303R2
D922 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D923	CHIP TYPE DIODE	DA2J10100	1	223303R2
D923 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D924	CHIP TYPE DIODE	DA2J10100	1	223303R2
D924 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D925	CHIP TYPE DIODE	DA2J10100	1	223303R2
D925 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D930	CHIP TYPE DIODE	DA2J10100	1	223303R2
D930 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D931	CHIP TYPE DIODE	DA2J10100	1	223303R2
D931 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D934	ZENER DIODE	UDZS5.1B	1	224550510R2
D934 or	ZENER DIODE	DZ2J051M0L	(1)	224760510R2
D941	CHIP TYPE DIODE	DA2J10100	1	223303R2
D941 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D942	CHIP TYPE DIODE	DA2J10100	1	223303R2
D942 or	CHIP TYPE DIODE	1SS352	(1)	223234R2
D960	DIODE	RL1N4003	1	22380260T
D961	DIODE	RL1N4003	1	22380260T
D962	ZENER DIODE	DZ2J360M0L	1	224763600R2
D962 or	ZENER DIODE	UDZS36B	(1)	224553600R2
Q2001	HYBRID IC	NJW1328	1	22242691R3
Q7002	FLUORESCENT TUBE	16-BT-168GNK	1	212279
Q7002A	HOLDER	(FL)	1	27191222C
Q7003	HYBRID IC	ML9208A-13GA	1	22242772R3
Q7004	TRANSISTOR	KTC3875-GR	1	2216175R2
Q7004 or	TRANSISTOR	2SC2712-GR	(1)	2213145R2

Q7006	TRANSISTOR	KTC3875-GR	1	2216175R2	
Q7006 or	TRANSISTOR	2SC2712-GR	(1)	2213145R2	
Q7010	TRANSISTOR	KTC3875-GR	1	2216175R2	
Q7010 or	TRANSISTOR	2SC2712-GR	(1)	2213145R2	
Q7011	TRANSISTOR	KRA107S	1	2216350R2	
Q7011 or	TRANSISTOR	RN1407	(1)	2216260R2	
Q7012	TRANSISTOR	KRC107S	1	2216340R2	
Q7012 or	TRANSISTOR	RN1407	(1)	2216260R2	
Q7033	TRANSISTOR	KTC3875-GR	1	2216175R2	
Q7033 or	TRANSISTOR	2SC2712-GR	(1)	2213145R2	
Q7041	REMOTE SENSOR	IRM-3638M3S28	1	24130026	
Q7711	HYBRID IC	BU2090F-E2	1	22242686R2	
Q911	TRANSISTOR	KRC105S	1	2217290R2	
Q911 or	TRANSISTOR	RN1405	(1)	2214500R2	
Q911 or	TRANSISTOR	DTC123JKA	(1)	2216690R2	
Q960	TRANSISTOR	KTC4373-Y	1	2218120R2	
Q960 or	TRANSISTOR	2SC2881-Y	(1)	2217564AR2	
Q960 or	TRANSISTOR	INC5001AP1-T111	(1)	2218100R2	
<b>[TRANS COIL]</b>					
L7031	CHOKE COIL	LBC2518T2R2M	1	231364M022R2	
L7032	CHOKE COIL	LBC2518T2R2M	1	231364M022R2	
L7201	CHOKE COIL	LBC2518T2R2M	1	231364M022R2	
L7202	CHOKE COIL	LBC2518T2R2M	1	231364M022R2	
L7203	CHOKE COIL	LBC2518T2R2M	1	231364M022R2	
T902	POWER TRANSFORMER	NPT-1520JQ	1	2301812A	!
<b>[CAPACITOR]</b>					
C2000	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C2001	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C2003	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M	1	398580227T	
C2003 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M(VR)	(1)	394680227T	
C2004	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C2008	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C2009	CHIP TYPE CERAMIC CAPACITOR	CK725F1A-105Z1	1	332181050R1	
C201	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W25V-4700M	1	398554727S	N
C201 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-4700M(VR)	(1)	394654727S	
C2010	CHIP TYPE CERAMIC CAPACITOR	CK725F1A-105Z1	1	332181050R1	
C2012	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C2013	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C2014	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C2015	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C202	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-4.7M	1	398580477T	
C202 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-4.7M(VR)	(1)	394680477T	
C203	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-334J	1	374723344T	
C207	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M	1	398524717T	
C207 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M(VR)	(1)	394624717T	
C208	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C2101	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M	1	398580227T	
C2101 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M(VR)	(1)	394680227T	
C2102	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M	1	398580227T	
C2102 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M(VR)	(1)	394680227T	
C2103	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M	1	398580227T	
C2103 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M(VR)	(1)	394680227T	
C2106	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M	1	398524717T	
C2106 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M(VR)	(1)	394624717T	
C2107	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M	1	398524717T	
C2107 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M(VR)	(1)	394624717T	
C2108	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M	1	398524717T	
C2108 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M(VR)	(1)	394624717T	
C2109	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M	1	398524717T	
C2109 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M(VR)	(1)	394624717T	
C2110	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M	1	398580227T	
C2110 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M(VR)	(1)	394680227T	

C2111	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M	1	398580227T	
C2111 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M(VR)	(1)	394680227T	
C2112	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M	1	398580227T	
C2112 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-2.2M(VR)	(1)	394680227T	
C2114	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K1	1	332101025R1	
C2115	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K1	1	332101025R1	
C2116	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K1	1	332101035R1	
C7001	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	
C7002	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C7003	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	
C7004	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	
C7005	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	
C7007	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-390J1	1	342103904R1	
C7008	ELECTROLYTIC CAPACITOR	CE04W6.3V-100M(S)	1	353721019T	
C7009	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C7010	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	
C7011	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	
C7012	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	
C7014	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	
C7015	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C7016	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	
C7017	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	
C7018	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-474J	1	374724744T	
C7021	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K1	1	332101035R1	
C7022	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K1	1	332101035R1	
C7031	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	
C7032	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	
C7033	ELECTROLYTIC CAPACITOR	CE04W16V-10M(S)	1	353741009T	
C7041	ELECTROLYTIC CAPACITOR	CE04W16V-10M(S)	1	353741009T	
C7042	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-102J1	1	342101024R1	
C7043	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-102J1	1	342101024R1	
C7201	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-102J1	1	342101024R1	
C7202	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	
C7203	MKT TYPE CAPACITOR	B32529C0102J289	1	376491024T	
C7204	MKT TYPE CAPACITOR	B32529C0102J289	1	376491024T	
C7301	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-471J1	1	342104714R1	
C7302	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-471J1	1	342104714R1	
C7304	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C7305	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C7306	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C7651	CHIP TYPE CERAMIC CAPACITOR	CK725F1A-105Z1	1	332181050R1	
C7752	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C7753	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	
C7754	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	
C901	IS TYPE CAPACITOR	LE103-C3.5	1	3800042S	!
C901 or	IS TYPE CAPACITOR	ECQU2A103MLC	(1)	3800039S	!
C902	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1	
C911	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-102J1	1	342101024R1	
C922	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W25V-2200M	1	398552227S	N
C922 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-2200M(VR)	(1)	394652227S	
C930	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M	1	398552217T	
C930 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	(1)	394652217T	
C933	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-4.7M	1	398580477T	
C933 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-4.7M(VR)	(1)	394680477T	
C950	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-104J	1	374721044T	
C960	VR TYPE ELECTROLYTIC CAPACITOR	CE04W63V-100M(VR)	1	394671017T	
C961	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C961 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	(1)	394684707T	
C962	TF TYPE PLASTIC FILM CAPACITOR	ECQ-V50V-104J	1	374721044T	
C963	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C963 or	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	(1)	394684707T	

[RESISTOR]

F201	FUSE	T4A-SEUL-T250V	1	252392T	!
R2001	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1	
R2002	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1	
R2007	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	
R2008	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	
R201	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	
R202	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R205	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R2051	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1	
R2101	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1	
R2102	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1	
R2103	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1	
R2106	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1	
R2107	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1	
R2108	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1	
R2109	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1	
R2110	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1	
R2111	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1	
R2112	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1	
R2114	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	
R2115	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	
R2116	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	
R2117	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	
R7001	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R7002	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1	
R7003	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1	
R7004	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1	
R7005	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1	
R7006	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1	
R7007	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1	
R7008	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1	
R7009	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R7010	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1	
R7011	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1	
R7012	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R7013	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R7014	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	
R7021	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R7022	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R7023	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R7024	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R7033	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1	
R7041	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1	
R7042	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1	
R7101	CHIP TYPE CARBON RESISTOR	RN72K1J-271JE	1	435032714R1	
R7102	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	
R7103	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1	
R7104	CHIP TYPE CARBON RESISTOR	RN72K1J-561JE	1	435035614R1	
R7105	CHIP TYPE CARBON RESISTOR	RN72K1J-821JE	1	435038214R1	
R7106	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	
R7107	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	
R7108	CHIP TYPE CARBON RESISTOR	RN72K1J-392JE	1	435033924R1	
R7109	CHIP TYPE CARBON RESISTOR	RN72K1J-123JE	1	435031234R1	
R7111	CHIP TYPE CARBON RESISTOR	RN72K1J-271JE	1	435032714R1	
R7112	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	
R7113	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1	
R7114	CHIP TYPE CARBON RESISTOR	RN72K1J-561JE	1	435035614R1	
R7115	CHIP TYPE CARBON RESISTOR	RN72K1J-821JE	1	435038214R1	
R7116	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	
R7117	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	
R7118	CHIP TYPE CARBON RESISTOR	RN72K1J-392JE	1	435033924R1	
R7119	CHIP TYPE CARBON RESISTOR	RN72K1J-123JE	1	435031234R1	

R7121	CHIP TYPE CARBON RESISTOR	RN72K1J-271JE	1	435032714R1	
R7122	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	
R7123	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1	
R7124	CHIP TYPE CARBON RESISTOR	RN72K1J-561JE	1	435035614R1	
R7125	CHIP TYPE CARBON RESISTOR	RN72K1J-821JE	1	435038214R1	
R7126	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	
R7127	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	
R7128	CHIP TYPE CARBON RESISTOR	RN72K1J-392JE	1	435033924R1	
R7129	CHIP TYPE CARBON RESISTOR	RN72K1J-123JE	1	435031234R1	
R7131	CHIP TYPE CARBON RESISTOR	RN72K1J-271JE	1	435032714R1	
R7132	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	
R7133	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1	
R7134	CHIP TYPE CARBON RESISTOR	RN72K1J-561JE	1	435035614R1	
R7135	CHIP TYPE CARBON RESISTOR	RN72K1J-821JE	1	435038214R1	
R7136	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	
R7137	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	
R7138	CHIP TYPE CARBON RESISTOR	RN72K1J-392JE	1	435033924R1	
R7152	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1	
R7201	METAL OXIDE FILM RESISTOR	RS1/2WBJ-390	1	443523914T	
R7202	METAL OXIDE FILM RESISTOR	RS1/2WBJ-390	1	443523914T	
R7301	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	
R7302	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	
R7303	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R7306	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R7654	CHIP TYPE CARBON RESISTOR	RN72K1J-392JE	1	435033924R1	
R7655	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1	
R7750	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1	
R7751	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1	
R7758	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R915	METAL OXIDE FILM RESISTOR	RS1/2WBJ-150	1	443521514T	
R922	CHIP TYPE CARBON RESISTOR	RN72K1J-823JE	1	435038234R1	
R934	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	
R950	CHIP TYPE CARBON RESISTOR	RN72K1J-015JE	1	435030154R1	
R951	METAL OXIDE FILM RESISTOR	RS1WBJ-33	1	443623304T	
R952	METAL OXIDE FILM RESISTOR	RS1WBJ-33	1	443623304T	
R960	METAL RESISTOR	RNU1/2WCJ-8.2	1	453530824T	
R962	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R963	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R964	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1	
R965	CHIP TYPE CARBON RESISTOR	RN72K1J-047JE	1	435030474R1	
<b>[SW TRM]</b>					
F901C	FUSE HOLDER	NSCT-1P2031	1	25052133T	!
F901D	FUSE HOLDER	NSCT-1P2031	1	25052133T	!
J2004	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
P2201	PIN JACK	NPJ-2PDYY679	1	25045911	
P2202	PIN JACK	NPJ-2PDYY679	1	25045911	
P2203	PIN JACK	NPJ-6PDGLRGLR646	1	25045871	
P2800A	SOCKET	NSCT-13P2404	1	25052507	
P2801	WIRE HARNESS ASSEMBLY	NSAS-3P2093	1	2009991282UL	
P2801A	WIRE HOL	NSCT-3P874	1	25051087	
P2801Aor	WIRE HOL	CHD-1.5-3	(1)	25053535	
P605	WIRE HARNESS ASSEMBLY	NSAS-5P2194	1	2009991383UL	
P605A	WIRE HOL	NSCT-5P896	1	25051109	
P605Aor	WIRE HOL	CHD-2.5-5	(1)	25053541	
P6612	TRM-423(SCREW)	NEJITANSI ST3	1	25060495	
P701B	SOCKET	NSCT-23P2414	1	25052517	
P702	WIRE HARNESS ASSEMBLY	NSAS-7P2128	1	2009991317UL	
P702A	WIRE HOL	NSCT-7P878	1	25051091	
P702Aor	WIRE HOL	CHD-1.5-7	(1)	25053537	
P702B	PLUG	NPLG-7P135	1	25055151	
P703	WIRE HARNESS ASSEMBLY	NSAS-3P2096	1	2009991285UL	
P703A	WIRE HOL	NSCT-3P874	1	25051087	

P703Aor	WIRE HOL	CHD-1.5-3	( 1)	25053535	
P705	WIRE HARNESS ASSEMBLY	NSAS-5P2112	1	2009991301UL	
P705A	WIRE HOL	NSCT-5P876	1	25051089	
P705Aor	WIRE HOL	CHD-1.5-5	( 1)	25053536	
P705B	PLUG	NPLG-5P133	1	25055149	
P7201	ST JACK	MSJ-064-05A SR	1	25045783	
P7202	TRM-423(SCREW)	NEJITANSI ST3	1	25060495	
P7301	PIN JACK	NPJ-3PDB735	1	25045978	
P7301A	RETAINER	(GND)	1	27142222A	
P901	WIRE HARNESS ASSEMBLY	NSAS-5P2110	1	2009991299UL	
P901A	WIRE HOL	NSCT-5P876	1	25051089	
P901Aor	WIRE HOL	CHD-1.5-5	( 1)	25053536	
P911A	PLUG	NPLG-2P631	1	25055675	
P912	PLUG	NPLG-2P631	1	25055675	
P921	TRM-423(SCREW)	NEJITANSI ST3	1	25060495	
P922	TRM-423(SCREW)	NEJITANSI ST3	1	25060495	
P951A	WIRE HOL	NSCT-5P876	1	25051089	
P951Aor	WIRE HOL	CHD-1.5-5	( 1)	25053536	
P951B	WIRE HOL	NSCT-5P876	1	25051089	
P951Bor	WIRE HOL	CHD-1.5-5	( 1)	25053536	
P952B	PLUG	NPLG-3P117	1	25055133	
P955B	PLUG	NPLG-5P119	1	25055135	
RL901	RELAY	NRL-1P10A-DC9-188	1	25065693	!
S7002	ROTARY ENCODER	EC12E2425WITH WASHER	1	25065655W	
S7100	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7101	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7105	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7106	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7107	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7108	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7109	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7110	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7111	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7112	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7113	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7114	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7115	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7116	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7117	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7118	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7119	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7120	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7121	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7122	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7123	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7124	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7125	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7126	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7127	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7128	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7129	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7130	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7131	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7132	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7136	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7137	PUSH SWITCH	NPS-111-S681	1	25035718T	
S7138	PUSH SWITCH	NPS-111-S681	1	25035718T	

CIRCUIT NO	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
D110	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D110 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D182	CHIP TYPE DIODE	1SR154-400	1	22380284R2	
D602	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D602 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D603	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D603 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D702	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D702 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D703	CHIP TYPE DIODE	1SR154-400	1	22380284R2	
D704	CHIP TYPE DIODE	1SR154-400	1	22380284R2	
D705	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D705 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D802	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D802 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D803	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D803 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D804	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D804 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D806	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D806 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D807	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D807 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D8102	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D8102 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D8145	ESD D	AOZ8804ADI	1	225502R2	
D8146	ESD D	AOZ8804ADI	1	225502R2	
D8301	ZENER DIODE	DZ2J036M0L	1	224760360R2	
D8301 or	ZENER DIODE	UDZS3.6B	( 1)	224550360R2	
D8348	DIODE	DAN217T146	1	223285R2	
D8907	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D8907 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D8908	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D8908 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D8909	CHIP TYPE DIODE	DA2J10100	1	223303R2	
D8909 or	CHIP TYPE DIODE	1SS352	( 1)	223234R2	
D8962	DIODE	RB050M-30GTR	1	22380373R2	
D8963	DIODE	RB050M-30GTR	1	22380373R2	
Q1101	HYBRID IC	PCM5101APWR	1	22242855R2	
Q1201	HYBRID IC	PCM5101APWR	1	22242855R2	
Q1301	HYBRID IC	PCM5101APWR	1	22242855R2	
Q153	HYBRID IC	BR25S640FJ	1	22242761R2	
Q153 or	HYBRID IC	M95640-WMN6TP	( 1)	22242643R2	
Q3001	HYBRID IC	D830K013DZKB400	1	22242851R3	
Q3002	HYBRID IC	NAND512W3A2SN6E	1	222W0137R3	firmware
Q3003	HYBRID IC	A3V56S40GTP-60RX	1	22242891R2	
Q3003 or	HYBRID IC	EM63A165TSB-6G	( 1)	22242829R2	
Q3004	HYBRID IC	A3V56S40GTP-60RX	1	22242891R2	
Q3004 or	HYBRID IC	EM63A165TSB-6G	( 1)	22242829R2	
Q3005	HYBRID IC	TC7W32FU	1	22241162R2	
Q3006	HYBRID IC	PST803C270NM	1	22242894R2	
Q3007	HYBRID IC	S-1172B50-U5T1G	1	22242765R2	
Q3008	HYBRID IC	BU33TD3WG-TR	1	22242715R2	
Q301	HYBRID IC	PCM9211PTR	1	22242703R2	
Q3070	HYBRID IC	FP6861C-B1AS5CT	1	22242840R2	
Q3102	HYBRID IC	FP6861C-B1AS5CT	1	22242840R2	
Q3103	HYBRID IC	BU18TD3WG-TR	1	22242716R2	
Q3106	HYBRID IC	BU33TD3WG-TR	1	22242715R2	
Q3107	HYBRID IC	BU33TD3WG-TR	1	22242715R2	

Q3109	HYBRID IC	S-13A1A12-U5T1U3	1	22242841R2	
Q3121	HYBRID IC	FP6861C-B1AS5CT	1	22242840R2	
Q3205	HYBRID IC	TC7SZU04FU	1	22242512R2TO	
Q501	TRANSISTOR	KRA102S	1	2216220R2	
Q501 or	TRANSISTOR	RN2402	(1)	2214530R2	
Q660	HYBRID IC	BU33TD3WG-TR	1	22242715R2	
Q701	HYBRID IC	MPD70F3477AGJA-GAE-G	1	222W0117R3	firmware
Q702	HYBRID IC	BU33TD3WG-TR	1	22242715R2	
Q7020	HYBRID IC	PST803C270NM	1	22242894R2	
Q7025	TRANSISTOR	KTA1504-GR	1	2216185R2	
Q7025 or	TRANSISTOR	2SA1162-GR	(1)	2214375R2	
Q7026	TRANSISTOR	KRC104S	1	2216210R2	
Q7026 or	TRANSISTOR	RN1404	(1)	2214490R2	
Q703	HYBRID IC	XC6701B502PR	1	22242808R2	
Q704	HYBRID IC	SN74CB3Q3305PWR	1	22242258R2	
Q706	TRANSISTOR	KRC107S	1	2216340R2	
Q751	TRANSISTOR	KRC104S	1	2216210R2	
Q751 or	TRANSISTOR	RN1404	(1)	2214490R2	
Q752	TRANSISTOR	KRA102S	1	2216220R2	
Q752 or	TRANSISTOR	RN2402	(1)	2214530R2	
Q753	TRANSISTOR	KRA107S	1	2216350R2	
Q753 or	TRANSISTOR	RN2407(TE85L_F)	(1)	2216360R2	
Q754	TRANSISTOR	KRC102S	1	2216190R2	
Q754 or	TRANSISTOR	RN1402	(1)	2214470R2	
Q755	TRANSISTOR	KRA107S	1	2216350R2	
Q755 or	TRANSISTOR	RN2407(TE85L_F)	(1)	2216360R2	
Q756	TRANSISTOR	KRC102S	1	2216190R2	
Q756 or	TRANSISTOR	RN1402	(1)	2214470R2	
Q771	TRANSISTOR	KRC104S	1	2216210R2	
Q771 or	TRANSISTOR	RN1404	(1)	2214490R2	
Q772	TRANSISTOR	KRA102S	1	2216220R2	
Q772 or	TRANSISTOR	RN2402	(1)	2214530R2	
Q8050	HYBRID IC	MM3404A50NRE	1	22242701R2	
Q8052	TRANSISTOR	KRC105S	1	2217290R2	
Q8052 or	TRANSISTOR	DTC123JKA	(1)	2216690R2	
Q8101	HYBRID IC	SII9573CTUC	1	22242762R3	
Q8105	HYBRID IC	W25Q80BVSNI	1	222W0132R2	firmware
Q8156	TRANSISTOR ARRAY	RT3K66M-T111-1	1	226069R2	
Q8156 or	TRANSISTOR ARRAY	UM6K1N	(1)	226066R2	
Q8157	TRANSISTOR	RE1C001UNTCL	1	2218160R2	N
Q8301	HYBRID IC	S-13A1A13-U5T1U3	1	22242848R2	
Q8303	TRANSISTOR	KTA1504-GR	1	2216185R2	
Q8303 or	TRANSISTOR	2SA1162-GR	(1)	2214375R2	
Q8305	HYBRID IC	XC6221B132MR	1	22242809R2	
Q8931	HYBRID IC	FR9888CSPCTR	1	22242839R2	
Q8942	HYBRID IC	TPS22924CYZPR	1	22242807R2	
Q8943	TRANSISTOR	KRC104S	1	2216210R2	
Q8943 or	TRANSISTOR	RN1404	(1)	2214490R2	
Q8951	HYBRID IC	FR9888CSPCTR	1	22242839R2	
Q8952	HYBRID IC	TPS22924CYZPR	1	22242807R2	
Q8953	TRANSISTOR	KRC104S	1	2216210R2	
Q8953 or	TRANSISTOR	RN1404	(1)	2214490R2	
Q8971	HYBRID IC	FR9888CSPCTR	1	22242839R2	
<b>[TRANS COIL]</b>					
L1004	EMI SUPPRESSION FILTER	BLM15BD601SN1D	1	2350037R1	N
L1007	EMI SUPPRESSION FILTER	BLM15BD601SN1D	1	2350037R1	N
L1101	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	
L1102	CORE	BLM15PX181SN1D	1	2350033R1	
L1201	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	
L1202	CORE	BLM15PX181SN1D	1	2350033R1	
L1301	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	
L1302	CORE	BLM15PX181SN1D	1	2350033R1	



L153	CORE	BLM15PX181SN1D	1	2350033R1	
L3001	CORE	BLM15PX121SN1D	1	2350034R1	
L3002	CORE	BLM15PX121SN1D	1	2350034R1	
L3003	CORE	BLM15PX121SN1D	1	2350034R1	
L3004	CORE	BLM15PX121SN1D	1	2350034R1	
L3005	CORE	BLM15PX121SN1D	1	2350034R1	
L3007	CORE	BLM15PX181SN1D	1	2350033R1	
L3008	CORE	BLM15PX181SN1D	1	2350033R1	
L301	EMI SUPPRESSION FILTER	BLM15BD601SN1D	1	2350037R1	N
L303	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	
L304	CORE	BLM15PX181SN1D	1	2350033R1	
L305	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	
L3101	CORE	DLP11SA900HL2L	1	2350021R2	
L3103	CORE	BLM15PX121SN1D	1	2350034R1	
L3104	CORE	BLM15PX121SN1D	1	2350034R1	
L3105	CORE	BLM15PX121SN1D	1	2350034R1	
L3106	CORE	BLM15PX121SN1D	1	2350034R1	
L3107	CORE	BLM15PX121SN1D	1	2350034R1	
L3109	CORE	BLM15PX121SN1D	1	2350034R1	
L3112	CORE	DLP11SA900HL2L	1	2350021R2	
L3120	CORE	BLM15PX181SN1D	1	2350033R1	
L3203	CORE	MMZ1608Y601BT	1	2350004R1	
L3205	CORE	BLM15PX181SN1D	1	2350033R1	
L3208	EMI SUPPRESSION FILTER	BLM15BD601SN1D	1	2350037R1	N
L3209	EMI SUPPRESSION FILTER	BLM15BD601SN1D	1	2350037R1	N
L7004	CORE	BLM15PX181SN1D	1	2350033R1	
L703	CORE	BLM15PX181SN1D	1	2350033R1	
L743	CORE	BLM15PX181SN1D	1	2350033R1	
L8301	CORE	BLM15PX181SN1D	1	2350033R1	
L8302	CORE	BLM15PX181SN1D	1	2350033R1	
L8303	CORE	BLM15PX181SN1D	1	2350033R1	
L8304	CORE	BLM15PX181SN1D	1	2350033R1	
L8305	CORE	BLM15PX181SN1D	1	2350033R1	
L8306	CORE	BLM15PX181SN1D	1	2350033R1	
L8307	CORE	BLM15PX181SN1D	1	2350033R1	
L8308	CORE	BLM15PX181SN1D	1	2350033R1	
L8309	EMI SUPPRESSION FILTER	BLM15BD601SN1D	1	2350037R1	N
L8310	CORE	BLM15PX181SN1D	1	2350033R1	
L8931	CHOKE COIL	C5-K3LGA-10UH	1	231477M100R2	
L8932	CORE	BLM15PX181SN1D	1	2350033R1	
L8933	CHOKE COIL	BLM21PG221SN1	1	230949R2	
L8934	CHOKE COIL	BLM21PG221SN1	1	230949R2	
L8951	CHOKE COIL	C5-K3LGA-10UH	1	231477M100R2	
L8952	CORE	BLM15PX181SN1D	1	2350033R1	
L8953	CHOKE COIL	BLM21PG221SN1	1	230949R2	
L8954	CHOKE COIL	BLM21PG221SN1	1	230949R2	
L8971	CHOKE COIL	C5-K3LGA-10UH	1	231477M100R2	
L8972	CORE	BLM15PX181SN1D	1	2350033R1	
L8973	CHOKE COIL	BLM21PG221SN1	1	230949R2	
L8974	CHOKE COIL	BLM21PG221SN1	1	230949R2	
<b>[CAPACITOR]</b>					
C1101	CHIP ELECT C	CEWX16V-100M	1	398141017R2	
C1102	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K1	1	332121045R1	
C1103	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-225K1	1	332132255R1	
C1104	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-225K1	1	332132255R1	
C1105	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K1	1	332121045R1	
C1106	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K1	1	332121045R1	
C1107	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K1	1	332121045R1	
C1108	CHIP TYPE PLASTIC FILM CAPACITOR	ECHU50V-222J	1	373022224R2	
C1109	CHIP TYPE PLASTIC FILM CAPACITOR	ECHU50V-222J	1	373022224R2	
C1201	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	
C1202	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K1	1	332121045R1	



C305	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C3051	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3052	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3053	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3054	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3056	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C306	CHIP ELECT C	CEWX4V-220M	1	3981G2217R2
C307	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C3070	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C3071	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C3100	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C3101	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3103	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C3104	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C3105	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3106	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3107	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3108	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3109	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3110	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-224K0	1	332002245R1
C3111	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3112	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3113	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3114	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3115	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3116	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3117	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C3118	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3119	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C312	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J0	1	342032214R1
C3120	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3121	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3123	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3124	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3126	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3127	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3128	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3129	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C313	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1
C3131	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3133	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3136	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3137	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3138	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C314	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3140	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3142	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C315	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-472K0	1	332034725R1
C3150	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C3152	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C3153	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3154	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3155	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3156	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3157	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3158	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3159	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C316	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-473K0	1	332024735R1
C3160	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3161	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3164	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C3165	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2

C3166	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C317	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C3170	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C3171	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C318	CHIP ELECT C	CEWX16V-100M	1	398141017R2
C319	CHIP ELECT C	CEWX16V-47M	1	398144707R2
C320	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K0	1	332032235R1
C3206	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3207	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C3209	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C3220	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-180J0	1	342031804R1
C3223	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-180J0	1	342031804R1
C501	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C503	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C504	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C505	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C508	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C509	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C511	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C512	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C517	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C518	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C519	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C520	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C522	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C523	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C525	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C526	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C527	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C560	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C561	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C571	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C613	CHIP TYPE CERAMIC CAPACITOR	CK725B50V-224K	1	332242245R1
C7044	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C7045	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C705	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C706	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2
C707	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C708	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C709	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C710	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C711	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C7310	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C7313	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C751	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C753	CHIP ELECT C	CEWT6.3V-470M	1	395724717R2
C771	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C772	CHIP TYPE CERAMIC CAPACITOR	CK725B50V-474K	1	332244745R1
C8001	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C8100	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8103	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C8104	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8117	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8118	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8139	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8143	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8145	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8166	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8168	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8175	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8301	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C8302	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2



C8393	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C8651	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8652	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8661	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8662	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1
C8902	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2
C8928	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K0	1	332032235R1
C8931	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2
C8932	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2
C8933	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8934	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8936	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8937	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8938	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C8939	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1
C8940	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1
C8948	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K0	1	332032235R1
C8951	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2
C8952	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2
C8953	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8954	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8956	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8957	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8958	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C8959	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1
C8960	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1
C8968	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K0	1	332032235R1
C8971	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2
C8972	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2
C8973	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8974	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8976	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8977	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2
C8978	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1
C8979	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1
C8980	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1
C8985	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C8986	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2
C8987	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1
C8988	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2

**[RESISTOR]**

R1017	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1
R1018	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R1020	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1
R1035	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R1037	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R1039	CHIP TYPE CARBON RESISTOR	RN72K1J-330JE	1	435033304R1
R1092	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R1101	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1102	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1103	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1104	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1105	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1106	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1107	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1201	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1202	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1203	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1204	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1205	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1206	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1207	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1

R1301	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1302	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1303	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1304	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1305	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1306	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R1307	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R151	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R152	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R153	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3007	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3009	CHIP TYPE CARBON RESISTOR	RN72K1J-330JE	1	435033304R1
R301	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3010	CHIP RESISTOR NETWORK	YCN104-330-JK	1	43464C33004R1
R3010 or	CHIP RESISTOR NETWORK	RM7LJ330X04	(1)	43484733004R2
R3011	CHIP RESISTOR NETWORK	YCN104-330-JK	1	43464C33004R1
R3011 or	CHIP RESISTOR NETWORK	RM7LJ330X04	(1)	43484733004R2
R3012	CHIP RESISTOR NETWORK	YCN104-470-JK	1	43464C47004R1
R3012 or	CHIP RESISTOR NETWORK	RM7LJ470X04	(1)	43484747004R2
R3013	CHIP RESISTOR NETWORK	YCN104-330-JK	1	43464C33004R1
R3013 or	CHIP RESISTOR NETWORK	RM7LJ330X04	(1)	43484733004R2
R3014	CHIP RESISTOR NETWORK	YCN104-330-JK	1	43464C33004R1
R3014 or	CHIP RESISTOR NETWORK	RM7LJ330X04	(1)	43484733004R2
R3015	CHIP RESISTOR NETWORK	YCN104-330-JK	1	43464C33004R1
R3015 or	CHIP RESISTOR NETWORK	RM7LJ330X04	(1)	43484733004R2
R3016	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3017	CHIP RESISTOR NETWORK	YCN104-330-JK	1	43464C33004R1
R3017 or	CHIP RESISTOR NETWORK	RM7LJ330X04	(1)	43484733004R2
R3018	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3019	CHIP RESISTOR NETWORK	YCN104-330-JK	1	43464C33004R1
R3019 or	CHIP RESISTOR NETWORK	RM7LJ330X04	(1)	43484733004R2
R3020	CHIP RESISTOR NETWORK	YCN104-330-JK	1	43464C33004R1
R3020 or	CHIP RESISTOR NETWORK	RM7LJ330X04	(1)	43484733004R2
R3021	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3022	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3023	CHIP RESISTOR NETWORK	YCN104-470-JK	1	43464C47004R1
R3023 or	CHIP RESISTOR NETWORK	RM7LJ470X04	(1)	43484747004R2
R3024	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3025	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R3028	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3029	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R303	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3032	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3033	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3034	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3035	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3036	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3037	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3038	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3039	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R304	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3040	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3041	CHIP RESISTOR NETWORK	YCN104-330-JK	1	43464C33004R1
R3041 or	CHIP RESISTOR NETWORK	RM7LJ330X04	(1)	43484733004R2
R3042	CHIP RESISTOR NETWORK	YCN104-330-JK	1	43464C33004R1
R3042 or	CHIP RESISTOR NETWORK	RM7LJ330X04	(1)	43484733004R2
R3043	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R3044	CHIP RESISTOR NETWORK	YCN104-330-JK	1	43464C33004R1
R3044 or	CHIP RESISTOR NETWORK	RM7LJ330X04	(1)	43484733004R2
R3045	CHIP RESISTOR NETWORK	YCN104-330-JK	1	43464C33004R1
R3045 or	CHIP RESISTOR NETWORK	RM7LJ330X04	(1)	43484733004R2
R3047	CHIP TYPE CARBON RESISTOR	RN72K1J-560JE	1	435035604R1

R3048	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3049	CHIP TYPE CARBON RESISTOR	RN72K1J-560JE	1	435035604R1
R3050	CHIP TYPE CARBON RESISTOR	RN72K1J-560JE	1	435035604R1
R3051	CHIP TYPE CARBON RESISTOR	RN72K1J-560JE	1	435035604R1
R3054	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3056	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1
R3060	CHIP TYPE CARBON RESISTOR	RN72K1J-680JE	1	435036804R1
R3061	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3062	CHIP TYPE CARBON RESISTOR	RN72K1J-680JE	1	435036804R1
R3063	CHIP TYPE CARBON RESISTOR	RN72K1J-680JE	1	435036804R1
R3064	CHIP TYPE CARBON RESISTOR	RN72K1J-680JE	1	435036804R1
R3065	CHIP TYPE CARBON RESISTOR	RN72K1J-680JE	1	435036804R1
R3066	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R3101	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3103	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R3108	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3110	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3111	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3113	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3115	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1
R3117	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1
R3119	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1
R312	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3122	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R3123	CHIP TYPE CERAMIC CAPACITOR	CK725F1E-104Z1	1	332161040R1
R3124	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R3125	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3126	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3127	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3129	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R313	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3130	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3131	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3134	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3135	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3136	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R3137	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R3139	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1
R314	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1
R3141	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R3143	CHIP TYPE CARBON RESISTOR	RN72K1J-392JE	1	435033924R1
R3144	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1
R3145	CHIP TYPE CARBON RESISTOR	RN72K1J-392JE	1	435033924R1
R3146	CHIP TYPE CARBON RESISTOR	RN72K1J-390JE	1	435033904R1
R3148	CHIP TYPE CARBON RESISTOR	RN72K1J-390JE	1	435033904R1
R3149	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R315	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1
R3150	CHIP TYPE CARBON RESISTOR	RN72K1J-680JE	1	435036804R1
R3154	CHIP TYPE CARBON RESISTOR	RN72K1J-390JE	1	435033904R1
R3155	CHIP TYPE CARBON RESISTOR	RN72K1J-390JE	1	435033904R1
R3156	CHIP TYPE CARBON RESISTOR	RN72K1J-390JE	1	435033904R1
R3157	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R316	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3162	CHIP TYPE CARBON RESISTOR	RN72K1J-390JE	1	435033904R1
R3163	CHIP TYPE CARBON RESISTOR	RN72K1J-220JE	1	435032204R1
R317	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R3188	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3200	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3204	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3205	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3207	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3208	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1



R321	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R3212	CHIP TYPE CARBON RESISTOR	RN72K1J-220JE	1	435032204R1
R3215	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3218	CHIP TYPE CARBON RESISTOR	RN72K1J-220JE	1	435032204R1
R3219	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R322	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R3221	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3226	CHIP RESISTOR NETWORK	YCN104-221-JK	1	43464C22104R1
R3226 or	CHIP RESISTOR NETWORK	RM7LJ221X04	( 1)	43484722104R2
R323	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R3230	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3232	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3234	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3237	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3238	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3239	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R324	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R3241	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3242	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3244	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3247	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R3251	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3257	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R326	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1
R3260	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1
R3262	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1
R3265	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3268	CHIP TYPE CARBON RESISTOR	RN72K1J-390JE	1	435033904R1
R327	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3271	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3272	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3274	CHIP TYPE CARBON RESISTOR	RN72K1J-390JE	1	435033904R1
R3277	CHIP TYPE CARBON RESISTOR	RN72K1J-220JE	1	435032204R1
R3280	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3283	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R3284	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R3291	CHIP TYPE CARBON RESISTOR	RN72K1J-105JE	1	435031054R1
R3294	CHIP TYPE CARBON RESISTOR	RN72K1J-102FE	1	435031022R1
R3295	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1
R331	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R3315	CHIP TYPE CARBON RESISTOR	RN72K1J-151JE	1	435031514R1
R332	CHIP TYPE CARBON RESISTOR	RN72K1J-681JE	1	435036814R1
R333	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R501	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1
R502	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R503	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R504	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R505	CHIP RESISTOR NETWORK	YCN104-470-JK	1	43464C47004R1
R505 or	CHIP RESISTOR NETWORK	RM7LJ470X04	( 1)	43484747004R2
R506	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R508	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R509	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R510	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R511	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R512	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R514	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R515	CHIP RESISTOR NETWORK	YCN104-470-JK	1	43464C47004R1
R515 or	CHIP RESISTOR NETWORK	RM7LJ470X04	( 1)	43484747004R2
R516	CHIP TYPE CARBON RESISTOR	RN72K1J-105JE	1	435031054R1
R517	CHIP TYPE CARBON RESISTOR	RN72K1J-105JE	1	435031054R1
R524	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R525	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1

R526	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R530	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R531	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1
R532	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1
R533	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1
R534	CHIP RESISTOR NETWORK	YCN104-103-JK	1	43464C10304R1
R534 or	CHIP RESISTOR NETWORK	RM7LJ103X04	(1)	43484710304R2
R538	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R539	CHIP RESISTOR NETWORK	YCN104-470-JK	1	43464C47004R1
R539 or	CHIP RESISTOR NETWORK	RM7LJ470X04	(1)	43484747004R2
R544	CHIP RESISTOR NETWORK	YCN104-221-JK	1	43464C22104R1
R544 or	CHIP RESISTOR NETWORK	RM7LJ221X04	(1)	43484722104R2
R559	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R573	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R574	CHIP RESISTOR NETWORK	YCN104-470-JK	1	43464C47004R1
R574 or	CHIP RESISTOR NETWORK	RM7LJ470X04	(1)	43484747004R2
R575	CHIP RESISTOR NETWORK	YCN104-470-JK	1	43464C47004R1
R575 or	CHIP RESISTOR NETWORK	RM7LJ470X04	(1)	43484747004R2
R578	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R579	CHIP RESISTOR NETWORK	YCN104-221-JK	1	43464C22104R1
R579 or	CHIP RESISTOR NETWORK	RM7LJ221X04	(1)	43484722104R2
R581	CHIP RESISTOR NETWORK	YCN104-221-JK	1	43464C22104R1
R581 or	CHIP RESISTOR NETWORK	RM7LJ221X04	(1)	43484722104R2
R582	CHIP RESISTOR NETWORK	YCN104-221-JK	1	43464C22104R1
R582 or	CHIP RESISTOR NETWORK	RM7LJ221X04	(1)	43484722104R2
R583	CHIP RESISTOR NETWORK	YCN104-221-JK	1	43464C22104R1
R583 or	CHIP RESISTOR NETWORK	RM7LJ221X04	(1)	43484722104R2
R584	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R590	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R591	CHIP TYPE CARBON RESISTOR	RN72K1J-105JE	1	435031054R1
R592	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1
R593	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R595	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R596	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R597	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R601	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R609	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R610	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R611	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R612	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R618	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R619	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R620	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R621	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R622	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R623	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R624	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R625	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R626	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R627	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R628	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1
R629	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R630	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R633	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R635	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R636	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R637	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R638	CHIP RESISTOR NETWORK	YCN104-470-JK	1	43464C47004R1
R638 or	CHIP RESISTOR NETWORK	RM7LJ470X04	(1)	43484747004R2
R645	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R646	CHIP RESISTOR NETWORK	YCN104-221-JK	1	43464C22104R1
R646 or	CHIP RESISTOR NETWORK	RM7LJ221X04	(1)	43484722104R2

R647	CHIP RESISTOR NETWORK	YCN104-221-JK	1	43464C22104R1
R647 or	CHIP RESISTOR NETWORK	RM7LJ221X04	( 1)	43484722104R2
R651	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R652	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R653	CHIP TYPE CARBON RESISTOR	RN72K1J-105JE	1	435031054R1
R655	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1
R656	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1
R657	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R658	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R660	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R670	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1
R671	CHIP TYPE CARBON RESISTOR	RN72K1J-272JE	1	435032724R1
R672	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1
R673	CHIP TYPE CARBON RESISTOR	RN72K1J-272JE	1	435032724R1
R674	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1
R675	CHIP TYPE CARBON RESISTOR	RN72K1J-272JE	1	435032724R1
R676	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1
R677	CHIP TYPE CARBON RESISTOR	RN72K1J-272JE	1	435032724R1
R678	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1
R681	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R682	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R684	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R685	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R686	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R687	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R693	CHIP RESISTOR NETWORK	YCN104-470-JK	1	43464C47004R1
R693 or	CHIP RESISTOR NETWORK	RM7LJ470X04	( 1)	43484747004R2
R701	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R704	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R705	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R7085	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R7086	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R712	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R713	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1
R714	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R721	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R723	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1
R724	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1
R725	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1
R727	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R7310	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R7313	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R771	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R772	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1
R773	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R8001	CHIP TYPE CARBON RESISTOR	RN72K1J-012JE	1	435030124R1
R802	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1
R803	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R8052	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R8102	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R8103	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R8122	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R8123	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R8140	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R8141	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R8159	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1
R8160	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1
R8161	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1
R8169	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R8170	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R8301	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1
R8302	CHIP TYPE CARBON RESISTOR	RN72K1J-124JE	1	435031244R1



R8654	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R8655	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1
R8663	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R8664	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1
R8665	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1
R8933	CHIP TYPE CARBON RESISTOR	RN72K1J-563FE	1	435035632R1
R8934	CHIP TYPE CARBON RESISTOR	RN72K1J-274FE	1	435032742R1
R8935	CHIP TYPE CARBON RESISTOR	RN72K1J-103FE	1	435031032R1
R8936	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R8951	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R8953	CHIP TYPE CARBON RESISTOR	RN72K1J-333FE	1	435033332R1
R8954	CHIP TYPE CARBON RESISTOR	RN72K1J-124FE	1	435031242R1
R8955	CHIP TYPE CARBON RESISTOR	RN72K1J-103FE	1	435031032R1
R8956	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R8971	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1
R8973	CHIP TYPE CARBON RESISTOR	RN72K1J-683FE	1	435036832R1
R8974	CHIP TYPE CARBON RESISTOR	RN72K1J-123FE	1	435031232R1
R8975	CHIP TYPE CARBON RESISTOR	RN72K1J-103FE	1	435031032R1
R8976	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1
R8985	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1
R8986	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1
X171	CRYSTAL	HC-49S 9C24.5760M	1	3010516R2
X3001	CRYSTAL	HC-49S 9C20.0000M	1	3010514R2
X3202	CRYSTAL	HC-49S 9C11.2896M	1	3010513R2
X501	CERAMIC RESONATOR	CSTCR5M00G53-B0	1	3010356R2
X8301	CRYSTAL	HC-49S 9C27.0000M	1	3010518R2
<b>[SW TRM]</b>				
P2800B	SOCKET	IMSA-9618S-13A	1	25053338R2
P2801B	PLUG	NPLG-3P916	1	25055963R2
P3101	SOCKET	C00124K221700	1	25053410
P3102A	PLUG	NPLG-5P918	1	25055965R2
P3103A	SOCKET	NSCT-9P2472	1	25052575R2
P501B	PLUG	NPLG-3P916	1	25055963R2
P701A	SOCKET	IMSA-9618S-23A	1	25053348R2
P701Aor	SOCKET	23FMN-SMT-A-TF	(1)	25052840R2
P751A	SOCKET	NSCT-9P2472	1	25052575R2
P8001A	SOCKET	IMSA-9618S-21A	1	25053346R2
P8003A	SOCKET	NSCT-9P2472	1	25052575R2
P801B	SOCKET	IMSA-9618S-07A	1	25053332R2
P802	PLUG	NPLG-2P915	1	25055962R2
P8101	SOCKET	HDMI(47266-4201)	1	25053522R3
P8101 or	SOCKET	HDMI(47266-4101)	(1)	25053389R3
P8101 or	SOCKET	TCX3423-311387	(1)	25060513R3
P8102	SOCKET	HDMI(47266-4201)	1	25053522R3
P8102 or	SOCKET	HDMI(47266-4101)	(1)	25053389R3
P8102 or	SOCKET	TCX3423-311387	(1)	25060513R3
P8103	SOCKET	HDMI(47266-4201)	1	25053522R3
P8103 or	SOCKET	HDMI(47266-4101)	(1)	25053389R3
P8103 or	SOCKET	TCX3423-311387	(1)	25060513R3
P8104	SOCKET	HDMI(47266-4201)	1	25053522R3
P8104 or	SOCKET	HDMI(47266-4101)	(1)	25053389R3
P8104 or	SOCKET	TCX3423-311387	(1)	25060513R3
P8105	SOCKET	HDMI(47266-4201)	1	25053522R3
P8105 or	SOCKET	HDMI(47266-4101)	(1)	25053389R3
P8105 or	SOCKET	TCX3423-311387	(1)	25060513R3
P8651	SOCKET	HDMI(47266-4201)	1	25053522R3
P8651 or	SOCKET	HDMI(47266-4101)	(1)	25053389R3
P8651 or	SOCKET	TCX3423-311387	(1)	25060513R3
P8661	SOCKET	HDMI(47266-4201)	1	25053522R3
P8661 or	SOCKET	HDMI(47266-4101)	(1)	25053389R3
P8661 or	SOCKET	TCX3423-311387	(1)	25060513R3
P901B	PLUG	NPLG-5P918	1	25055965R2

U009

BARF-1567-3A

: NSP

CIRCUIT NO	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
Q792	HYBRID IC	S-13A1A33-U5T1U3	1	22242844R2	
<b>[CAPACITOR]</b>					
C790	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	
C794	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	
C795	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	
C796	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	
C799	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	
<b>[SW TRM]</b>					
P3102B	PLUG	NPLG-5P918	1	25055965R2	
P791A	SOCKET	DF40HC(2.5)-30DS-0.4V(70)	1	25053514R2	

U012

BARF-1450-3A

: NSP

CIRCUIT NO	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
Q1	HYBRID IC	RZ5B801-0001E2	1	22242835R2	
<b>[TRANS COIL]</b>					
L1	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
L2	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
L3	RF COIL	SDCL1608CR33JTDF	1	233557R1	
L3 or	RF COIL	HK1608R33J-T	( 1)	233559R1	
L4	RF COIL	SDCL1608CR10JTDF	1	233556R1	
L4 or	RF COIL	HK1608R10J-T	( 1)	233558R1	
L5	ANTENNA COIL	K7-D	1	232212	
X1	CRYSTAL	HC-49S 9B12.000MHZ	1	3010533	
<b>[CAPACITOR]</b>					
C1	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	
C12	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-090D1	1	342100902R1	
C13	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K1	1	332121045R1	
C2	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-220J1	1	342102204R1	
C3	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-332K1	1	332103325R1	
C4	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-100D1	1	342101002R1	
C5	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-473K1	1	332104735R1	
C6	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-222K1	1	332102225R1	
C7	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K1	1	332131055R1	
C8	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K1	1	332131055R1	
C9	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	
<b>[RESISTOR]</b>					
R10	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R11	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R13	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R14	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	
R2	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1	
R21	CHIP TYPE CARBON RESISTOR	RN72K2E-000JE	1	435220004R1	
R22	CHIP TYPE CARBON RESISTOR	RN72K2E-000JE	1	435220004R1	
R3	EMI SUPPRESSION FILTER	BK1608HS601-T	1	230984R1	
R4	EMI SUPPRESSION FILTER	BK1608HS601-T	1	230984R1	
R5	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	
R6	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1	
R7	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1	
R8	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1	

R9	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1
<a href="#">[SW TRM]</a>				
P1	TERMINAL	NTM-1PDSC437	1	25060515
P101A	SOCKET	NSCT-7P2100	1	25052203
P2	TERMINAL	NTM-2PDML439	1	25060517