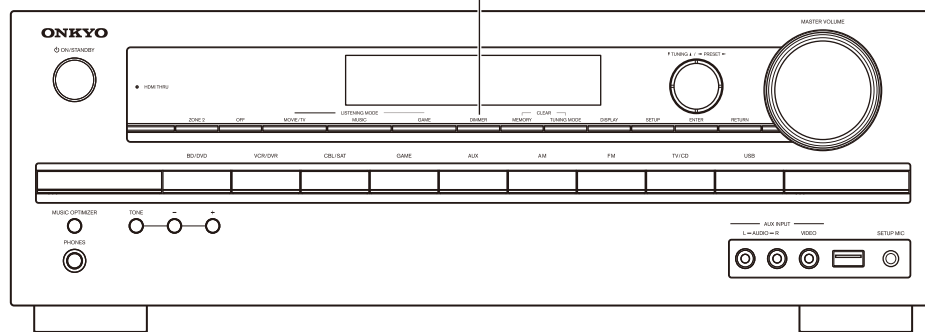


ONKYO® SERVICE MANUAL

AV RECEIVER MODEL HT-R592(B)

North American, Brazilian and Taiwanese models ----> "DIMMER"
Asian models ----> "RT/PTY/TP"



RC-863M

Black model

B MDF	120V AC, 60Hz
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Black model for HT-S5600

B MDC, B MDS	120V AC, 60Hz
B MMK, B MMQ	220-240V AC, 50/60Hz

SAFETY-RELATED COMPONENT WARNING!!

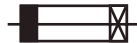
COMPONENTS IDENTIFIED BY MARK  ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

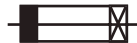
MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

Onkyo Corporation
Service Department

SERVICE PROCEDURE

1. Replacing the fuses

 This symbol located near the fuse indicates that the fuse used is slow operating type, For continued protection against fire hazard, replace with same type fuse, For fuse rating, refer to the marking adjacent to the symbol.

 Ce symbole indique que le fusible utilise est e lent. Pour une protection permanente, n'utiliser que des fusibles de meme type. Ce dernier est indique la qu le present symbol est appose.

[Notes]

<MDC> : 120V,Canadian model
<MDF> : 120V,Taiwanese model
<MDS> : 120V,Brazilian model
<MMK> : 220/230-240V, Korean model
<MMQ> : 220/230-240V,Hong kong model

REF NO.	PART NAME	DESCRIPTION	PART NO.	REMARKS
F6401, F6402	FUSE	10A-UL/T-233	252330GR	!
F6401, F6402 or	FUSE	10A-T/UL-ST2	252333GR	!
F901	FUSE	8A-UL/T-233	252329GR	! <MDC, MDS, MDF>
F901 or	FUSE	8A-T/UL-ST2	252261GR	! <MDC, MDS, MDF>
F901	FUSE	4A-SE-EAK	252077GR	! <MMK, MMQ>
F901 or	FUSE	4A-SE-TL250V	252277GR	! <MMK, MMQ>
R9001	FUSE	5A-UL-125V	252385T	!

2. Safety check out

(U.S.A. model only)

After correcting the original service problem, perform the following safety check before releasing the unit to the customer.

Leakage current Check

Measure the leakage current to a known earth ground (water pipe or conduct etc.) by connecting a leakage current tester between the earth ground and exposed metal parts of the unit (input/output ground terminals, screw heads or metal overlays etc.).

Plug the power supply cord directly into a 120Vac 60Hz wall socket and turn ON/STANDBY button on.

Any current measured must not exceed 0.5mA.

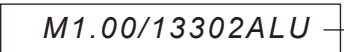
3. To initialize the unit

Press **ON/STANDBY** button while pressing down **VCR/DVR** button when the unit is POWER ON, then the FL displays "CLEAR", and turn to STAND-BY.

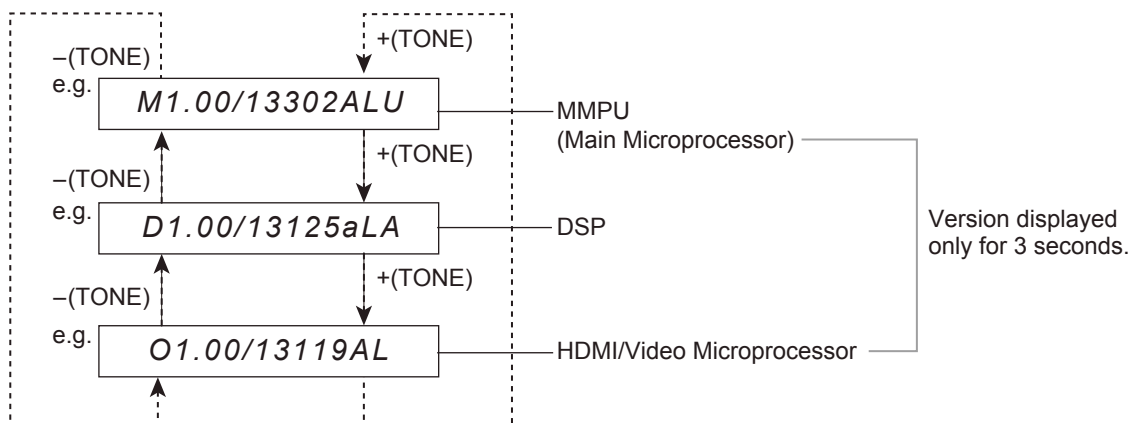
Remove power cord from power line.

4. To check version of each Firmware

a. Push **STANDBY/ON** key while pushing down **DISPLAY** key to display MMPU(Main Microprocessor) version.

e.g.  Version of MMPU displayed only for 3 seconds.

b. In display version, + (TONE) key and - (TONE) key are pushed to display another F/W version.



DEBUG MODE-1

AUDIO DEBUG MODE-1/3

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 and hold down **DISPLAY** button, then press **ON/STANDBY** button.

e.g. M1.00/13302ALU — 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. D1.00/13125aLA — 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. 4D48K1N 0FFPo0 — **AUDIO dubug mode**

4. Press **DISPLAY** button.

e.g. **Exit**

Contents of Display

FL Display (e.g.)

	4	D	4	8	K	1	N		0	F	F	P	o	0
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Number of digits	Contents	State
1	DIR INPUT LOCK/UNLOCK	E:UNLOCK :LOCK
2	DIR INPUT RX	0:None 1:COAX1 2:COAX2 3:OPT1 4:OPT2 5:FRONT 8:HDMI1 9:HDMI2
3	DIR/ADC, FIX MODE	D:Digital(SPDIF) A:Analog M:AnalogMultich p:PCM FIXED d:DTS FIXED
4-6	Sampling Freq, Emphasis	32K: 32 kHz w/o Emphasis 44K: 44.1kHz w/o Emphasis 48K: 48 kHz w/o Emphasis 64K: 64 kHz 88K: 88.2kHz 96K: 96 kHz 176:176.4kHz 192:192 kHz 32e: 32 kHz w Emphasis 44e: 44.1kHz w Emphasis 48e: 48 kHz w Emphasis
7	DIR DETECT TYPE	0:Analog 1:PCM 2:Not PCM 3:Data 4:DTS CD(Not used) 5:Multich 6:Not Decided

8	CODEC CLOCK MODE	N:Normal U:Up Sampling H:High Sampling(Double Rate) D:Down Smapling Q:Quad Rate
10	DSP PORT	bit0:NIC bit1:DEC bit2:BUSY bit3:EXEC WAIT Refer to "NIC DEC SPI Busy Ecec wait" in DEBUG MODE-2
11-12	DSP SEQUENCE	00-FE:NotFree 2D:Mute Control FF:Free Refer to "DSP Sequence" in DEBUG MODE-3
13	DSP DETECT FORMAT	P:PCM(Analog) D:Dolby Digital d:DTS A:AAC d:DTS A:AAC S:DSD p:DolbyDigital+ T:TrueHD H:DTSHD High Resolution M:DTSHD MaterAudio ?:UNKNOWN
14	DSP DECODE OK	o:OK x:NG
15	Mute	1:Selector 2:Effector 4:DSP 8:DIR

DEBUG MODE-2**AUDIO DEBUG MODE-2/3****NIC/DEC/SPI Busy/Exec wait**

Display contents	Internal state	Inferred state
0		Stable state
1	NIC	If the stop remains "1" is indicated, it is possible that there is an abnormality in the connection between the microcomputer and the NIC.
2	DEC	Please check if the input signal Dolby / DTS / AAC / PCM from Coax or OPT. If the stop remains "2" is indicated, it is possible that there is an abnormality in the connection between the DIR and the DSP. There is a case of "2" for the state to stop or pause playback equipment. And it is normal.
3	NIC+DEC	If the stop remains "3" is indicated, it is possible that there is an abnormality in the connection between the microcomputer and the NIC.
4	SPI Busy	If the stop in these numbers, it is possible that there is an abnormality in the connection between the DSP and the microcomputer.
5	SPI Busy + NIC	
6	SPI Busy + DEC	
7	SPI Busy + NIC + DEC	
8	Exec wait	If you stop at these numbers, please check the DSP Sequence.
9	Exec wait + NIC	
A	Exec wait + DEC	
B	Exec wait + NIC+DEC	
C	Exec wait + SPI Busy	
D	Exec wait + SPI Busy + NIC	
E	Exec wait + SPI Busy + DEC	
F	Exec wait + SPI Busy + NIC + Dec	

DEBUG MODE-3

AUDIO DEBUG MODE-3/3

DSP Sequence

Display contents	Inferred state	Possible Causes
Stop at "03" is indicated.	Have not been able to communicate between the microcontroller and the DSP.	1. There is a problem with the connection between the FlashROM and the DSP, and the SDRAM. 2. Power is not supplied to the DSP. 3. Operation clock is not input to the DSP. 4. Reset port of the DSP is not connected. 5. There is a problem with the line of communication between the microcontroller and DSP. 6. DSP is broken or Microcomputer. 7. Program has not been successfully written to the Flash ROM. Or the program is not written. 8. Communication port (such as DIR) other devices are connected to the SPI mode is broken short. Terminals are short-circuited.
Stop at "05" is indicated.	Have not been able to write from the boot loader of the DSP.	1. Program is not written correctly to Flash ROM. 2. DSPSDO line of microcomputer is interrupted somewhere. 3. There is a problem with the FlashROM (or SDRAM) of DSP. 4. DSP is broken or Microcomputer. 5. Upper address bus of Flash ROM is not connected properly.
Stop at "08" is indicated.	While running the boot loader of DSP, the main program is not running.	1. SDRAM is broken or Flash ROM. 2. Upper address bus of Flash ROM is not connected properly. 3. Program is not written correctly to Flash ROM. 4. There is a possibility that the power is turned off during the S / PDIF Update.
Stop at "09 - 0C" is indicated.	Main program of DSP is not working properly.	1. SDRAM is broken or Flash ROM. 2. Upper address bus of Flash ROM is not connected properly. 3. Program is not written correctly to Flash ROM. 4. There is a possibility that the power is turned off during the S / PDIF Update.
Stop at "17" is indicated.	There is a possibility that the power is turned off during the S / PDIF Update.	Solution : Hold down the VCR/ DVR when the power is turned on, press the On/Standby key. (Clear) When out of the state of S / PDIF Update, please press the On/Standby key.
Stop at "21", to return to the previous display after a while. Format display indicator flashes.	Main program of DSP is not working properly.	1. SDRAM(or Flash ROM) is broken. 2. Upper address bus of Flash ROM is not connected properly. 3. Program is not written correctly to Flash ROM. 4. Operation clock to the DSP is not a predetermined value.
Stop at "22-24" is indicated.	main program of DSP is not working properly. The audio signal is not input.	1. SDRAM(or Flash ROM) is broken. 2. Upper address bus of Flash ROM is not connected properly. 3. Program is not written correctly to Flash ROM. 4. Operation clock to the DSP is not a predetermined value. 5. Audio clock to the DSP is not a predetermined value.
Stop at "30-33" is indicated.	main program of DSP is not working properly. The audio signal is not input.	1. SDRAM(or Flash ROM) is broken. 2. Upper address bus of Flash ROM is not connected properly. 3. Program is not written correctly to Flash ROM.
Stop at "26-2F" is indicated.	DSP settings has failed.	1. SDRAM(or Flash ROM) is broken. 2. Upper address bus of Flash ROM is not connected properly. 3. Program is not written correctly to Flash ROM.
Stop at "FF" is indicated.	The DSP is functioning properly.	All settings are completed, DSP has started normal operation.
	There is no sound even though it is the display of "FF".	Refer to "NIC/DEC/SPI Busy/Exec wait" in DEBUG MODE-2

DEBUG MODE-4

HDMI DEBUG MODE-1/4

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

To enter this mode

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

Resolution display method

Input resolution

1	0	8	0	i	/	6	0	→					
---	---	---	---	---	---	---	---	---	--	--	--	--	--

Output resolution

						1	0	8	0	i	/	6	0	
--	--	--	--	--	--	---	---	---	---	---	---	---	---	--

List of standard resolution

	4	8	0	i	/	6	0
	4	8	0	p	/	6	0
1	0	8	0	i	/	6	0
	7	2	0	p	/	6	0
1	0	8	0	p	/	6	0
	2	4	0	p	/	6	0
#	4	8	0	i	/	6	0
#	4	8	0	p	/	6	0
#	2	4	0	p	/	6	0
	5	7	6	i	/	5	0
	5	7	6	p	/	5	0
1	0	8	0	i	/	5	0
	7	2	0	p	/	5	0
1	0	8	0	p	/	5	0
	2	8	8	p	/	5	0

#	5	7	6	i	/	5	0
#	5	7	6	p	/	5	0
#	2	8	8	p	/	5	0
1	0	8	0	p	/	2	4
1	0	8	0	p	/	2	5
1	0	8	0	p	/	3	0
		V	G	A			
1	0	8	0	i	1	0	0
	7	2	0	p	1	0	0
	5	7	6	p	1	0	0
	5	7	6	i	1	0	0
1	0	8	0	i	1	2	0
	7	2	0	p	1	2	0
	4	8	0	p	1	2	0
	4	8	0	i	1	2	0

	5	7	6	p	2	0	0
	5	7	6	i	2	0	0
	4	8	0	p	/	6	0
	4	8	0	p	2	4	0
	4	8	0	i	2	4	0
*	4	8	0	p	/	6	0
*	5	7	6	p	/	5	0
	7	2	0	p	/	2	4
	7	2	0	p	/	2	5
	7	2	0	p	/	3	0

Display of Input Resolution

DVI input signal	<table><tr><td></td><td>4</td><td>8</td><td>0</td><td>I</td><td>/</td><td>6</td><td>0</td><td>→</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>8</td><td>0</td><td>P</td><td>/</td><td>6</td><td>0</td><td>→</td><td></td><td></td><td></td><td></td><td></td></tr></table> "I" and "P" will be capitalized.		4	8	0	I	/	6	0	→							4	8	0	P	/	6	0	→					
	4	8	0	I	/	6	0	→																					
	4	8	0	P	/	6	0	→																					
VGA input signal	<table><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><td></td><td></td></tr></table> Display the " *" in column 1		*		V	G	A			→																			
	*		V	G	A			→																					
No input	<table><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-5

HDMI DEBUG MODE-2/4

Display of Output Resolution

For a video processor	Via VSP Display the "→" in column 4	<table><tr><td></td><td></td><td></td><td></td><td>→</td><td>1</td><td>0</td><td>8</td><td>0</td><td>i</td><td>/</td><td>6</td><td>0</td><td></td></tr></table>					→	1	0	8	0	i	/	6	0															
				→	1	0	8	0	i	/	6	0																		
	VSP skip	<table><tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>0</td><td>8</td><td>0</td><td>i</td><td>/</td><td>6</td><td>0</td><td></td></tr></table>						1	0	8	0	i	/	6	0															
					1	0	8	0	i	/	6	0																		
DVI input signal	i / p will be capitalized.	<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td><td>8</td><td>0</td><td>I</td><td>/</td><td>6</td><td>0</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td><td>8</td><td>0</td><td>P</td><td>/</td><td>6</td><td>0</td><td></td></tr></table>							4	8	0	I	/	6	0								4	8	0	P	/	6	0	
						4	8	0	I	/	6	0																		
						4	8	0	P	/	6	0																		
VGA input signal	Display the "*" in column 5	<table><tr><td></td><td></td><td></td><td></td><td>*</td><td></td><td>4</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td></td></tr></table>					*		4	8	0	p	/	6	0															
				*		4	8	0	p	/	6	0																		
RSEN is OFF	Display the "*" in column 14	<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td>*</td></tr></table>							4	8	0	p	/	6	0	*														
						4	8	0	p	/	6	0	*																	
EDID_READ is NG	Display the "#" in column 14	<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td>#</td></tr></table>							4	8	0	p	/	6	0	#														
						4	8	0	p	/	6	0	#																	
Resolution Error	Display the "x" in column 14	<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td><td>8</td><td>0</td><td>p</td><td>/</td><td>6</td><td>0</td><td>x</td></tr></table>							4	8	0	p	/	6	0	x														
						4	8	0	p	/	6	0	x																	
No output (Signal output destination can not be found.)		<table><tr><td></td><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td><td></td><td></td></tr></table>						-	-	-	-	-																		
					-	-	-	-	-																					
Hot-plug of Sink equipment can not be detected.		<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>O</td><td>F</td><td>F</td><td></td><td></td></tr></table>										O	F	F																
									O	F	F																			

4K Upscaling

Display of Input resolution

1	0	8	0	i	/	6	0	→				
---	---	---	---	---	---	---	---	---	--	--	--	--

Display of Output resolution

*	*	*	*	x	*	*	*	*	p	/	*	*	
---	---	---	---	---	---	---	---	---	---	---	---	---	--

↓
* * * If the three-digit numbers are refrate

List of resolution

3	8	4	0	x	2	1	6	0	p	/	3	0	
3	8	4	0	x	2	1	6	0	p	/	2	5	
3	8	4	0	x	2	1	6	0	p	/	2	4	
4	0	9	6	x	2	1	6	0	p	/	2	4	

Resolution Error

3	8	4	0	x	2	1	6	0	p	/	3	0	x
---	---	---	---	---	---	---	---	---	---	---	---	---	---

EDID_READ_NG

3	8	4	0	x	2	1	6	0	p	/	3	0	#
---	---	---	---	---	---	---	---	---	---	---	---	---	---

3D Display

Resolution display

1	0	8	0	p	/	2	4		(	3	D	)	
---	---	---	---	---	---	---	---	--	---	---	---	---	--

Status Display

H	D	M	I		4	4	4		3	6	b	i	t
---	---	---	---	--	---	---	---	--	---	---	---	---	---

3D format

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

INPUT/OUTPUT

I	N	:				O	U	T	:				
---	---	---	--	--	--	---	---	---	---	--	--	--	--

RSEN OFF	Display the " * " in column 14	<table><tr><td>1</td><td>0</td><td>8</td><td>0</td><td>p</td><td>/</td><td>2</td><td>4</td><td></td><td>(</td><td>3</td><td>D</td><td>)</td><td>*</td></tr></table>	1	0	8	0	p	/	2	4		(	3	D	)	*
1	0	8	0	p	/	2	4		(	3	D	)	*			
EDID READ NG	Display the " # " in column 9	<table><tr><td>H</td><td>D</td><td>M</td><td>I</td><td></td><td>4</td><td>4</td><td>4</td><td>#</td><td>3</td><td>6</td><td>b</td><td>i</td><td>t</td></tr></table>	H	D	M	I		4	4	4	#	3	6	b	i	t
H	D	M	I		4	4	4	#	3	6	b	i	t			
Resolution Error	Display the " x " in column 13	<table><tr><td>1</td><td>0</td><td>8</td><td>0</td><td>p</td><td>/</td><td>2</td><td>4</td><td></td><td>(</td><td>3</td><td>D</td><td>)</td><td>x</td></tr></table>	1	0	8	0	p	/	2	4		(	3	D	)	x
1	0	8	0	p	/	2	4		(	3	D	)	x			

DEBUG MODE-6

HDMI DEBUG MODE-3/4

Status		
Input Mode	HDMI input	H D M I 4 4 4 3 6 b i t
	DVI input	D V I 4 4 4 3 6 b i t
	No input	- - - 4 4 4 3 6 b i t
Input Color	RGB	H D M I R G B 3 6 b i t
	422	H D M I 4 2 2 3 6 b i t
	444	H D M I 4 4 4 3 6 b i t
Deep Color	24bit	H D M I R G B 2 6 b i t
	30bit	H D M I R G B 3 0 b i t
	36bit	H D M I R G B 3 6 b i t

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
INPUT/ OUTPUT	
I N : * * O U T : * *	

DEBUG MODE-7**HDMI DEBUG MODE-4/4****PC Resolution**

Input Resolution 1 0 2 4 x 7 6 8 p / 6 0 →



Output Resolution 1 0 2 4 x 7 6 8 p / 6 0

Display of Input resolution * * * * x * * * * p / * * Horizontal resolution Vertical resolution Referat	
DVI input	Display uppercase P/I 1 0 2 4 x 7 6 8 P / 6 0 →
HDMI input	Display lowercase p/i 1 0 2 4 x 7 6 8 p / 6 0 →
Three-digit numbers are Referat	1 0 2 4 x 7 6 8 P 1 2 0 →
No input	U N K N O W N
Display of Output resolution * * * * x * * * * p / * * Horizontal resolution Vertical resolution Referat	
DVI output	Display uppercase P/I 1 0 2 4 x 7 6 8 P / 6 0
HDMI output	Display lowercase p/i 1 0 2 4 x 7 6 8 p / 6 0
Display "-----"	→ - - - - -
Three-digit numbers are Referat	1 0 2 4 x 7 6 8 P 1 2 0
EDID READ NG	Display the " # " in column 13 1 0 2 4 x 7 6 8 P / 6 0 #
Resolution through	Display the " x " in column 13 1 0 2 4 x 7 6 8 P / 6 0 x
INPUT/ OUTPUT	I N : * O U T : *

DEBUG MODE-8

SERVICE INFORMATION MODE

Displaying Service information

This service information display system is helpful in analyze the status when the unit goes into Protect mode and is powered off. Pay attention that the status will change if a button is pushed.

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

e.g. M1.00/13302ALU — The version of main microprocessor is displayed only for 3 seconds.

2. Press **SETUP** button within 3 seconds above.

e.g. - 80 °F 27 DD — Information Displayed (Record this Information)

Power off Cause Temperature Volume Level Listening Mode
 T : Thermal Protect : xx F or xx C
 V : Voltage Protect
 I : Current Protect
 - : Other
 ---> Refer to the code list below.

Listening Mode Code List

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

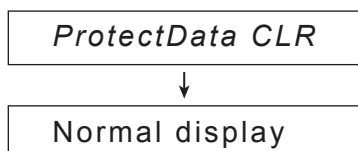
F4	C_LM_ASC
F5	C_LM_FLASH
F6	C_LM_DEBUGMODE
F7	C_LM_FLASH2
F8	C_LM_FLASH3
F9	C_LM_FLASH4
FA	C_LM_FLASH_CHECK
0D	C_LM_RPG
0E	C_LM_ACTION
0F	C_LM_ROCKBAND
10	C_LM_SPORTS

3. Press **SETUP** button again. The following information are displayed.

e.g. 01:23 10h — Information Displayed (Record this Information)

Time after Power on Time after Initialize
 xx : xx xx hour

4. Press **ON/STANDBY** button to exit the display of service information.
 (Ref.: Press **RETURN** button to initialize the data in the service information.)



OPERATION CHECK-1

1. OPERATION CHECK(1/2)

1-1. OPERATIONS OF VOLTAGE-DETECTION PROTECTORS.

See "OPERATION CHECK-3,-5" for TEST MODE operation.

NOTE: Don't connect load nor short speaker terminals.

- Change the state to "TEST-4-21".
- It tests by being automatic in order of TEST 4-21(FL+) → 22(FR-) → 23(C+) → 24(SL-) → 25(SR+) → (26(SBL-) → 27(SBR+)). If TEST 4-27(TX-NR525/HT-RC550 are 4-25) is OK, it becomes the display of "TEST-4-35".
- It will complete, if displayed on FL TUBE as "TEST 4-35".

1-2. OPERATIONS OF CURRENT-DETECTION PROTECTORS

See "OPERATION CHECK-3,-5" for TEST MODE operation.

- Change the state to "TEST-4-35".
Even if you connect 3-ohm load for every channel of L, R, C, SL, SR, SBL and SBRch, a relay should not cut off.
If 1-ohm load is connected for every channel of L, R, C, SL, SR, SBL and SBRch, a relay should hold the state of ON.

1-3. CONFIRMATION OF RDS (RADIO DATA SYSTEM) OPERATION (Applied to MM*/MP* type)

- Input 98MHz,30dBμ 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.

1-4. CONFIRMATION OF HEAD PHONE OPERATION.

Confirm the Listening Mode is automatically switched to "STEREO" mode when headphones plug is inserted into the PHONES jack.

1-5. CONFIRMATION OF FRONT USB

See "OPERATION CHECK-3,-4" for TEST MODE operation.

- Connect ipod to AVR USB port.
- When set to TEST 3-09, confirm that the display of AVR change "connecting" to "Push [MODE] b ..." or "Playlist" after few seconds.

The following iPod models can be used for inspection.(The above-mentioned operation is not done excluding the following items.)

iPod classic, 3G nano, 4G nano, 5G nano

1-6. CONFIRMATION OF REAR USB(Applied to TX-NR525/HT-RC550)

See "OPERATION CHECK-3,-4" for TEST MODE operation.

- Connect USB-Storage to AVR USB port.
- When set to TEST 3-10, confirm that the display of AVR change device name.

1-7. CONFIRMATION OF NETWORK(Only TX-NR525/HT-RC550)

See "OPERATION CHECK-3,-4" for TEST MODE operation.

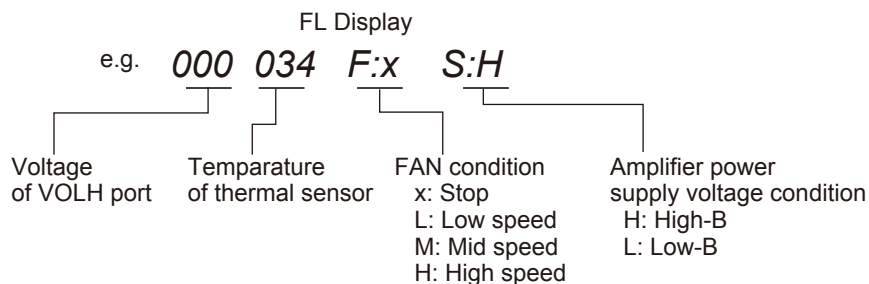
- Connect the receiver to the router.
- When set to TEST3-18 confirm that the display of AVR change IP adress.

*Please wait for about 1 minute after turning on the power supply of the set when you use TEST 3-18.

1-8. CONFIRMATION OF OUTPUT SENSER AND THERMAL SENSOR

See "OPERATION CHECK-3,-5" for TEST MODE operation.

- Set the TEST MODE to "TEST 4-36" and "TEST 4-37".
After light "FM STEREO" on FL display ,
the relays RL641/642 is OFF and "FM STEREO" is off .(TEST 4-37 is only for HT-R592)
- Push ON/Standby button 2 times while pushing down DISPLAY button to display CPU Debug PROGRAM version.
Push TONE button while displaying CPU PROGRAM version to display value of temperature sensor.
Confirm outside temperature ±20C is displayed immediately after energizing.
Note that the error margin is caused by the rise of the temperature of the heat sink when time passes.



OPERATION CHECK-2

1. OPERATION CHECK(2/2)

1-9. CONFIRMATION OF OSD(ON SCREEN DISPLAY) OPERATION

- When SETUP(HT-R592) or HOME(TX-NR525/HT-RC550) button is pushed, confirm that setup menu is displayed in HDMI Out.
- Confirm that specified operations for ENTER(with 4-cursor) buttons are made.

1-10. CONFIRMATION OF HDMI AUDIO OPERATION.

See "OPERATION CHECK-3,-6" for TEST MODE operation.

a. CONFIRMATION OF HDMI I2S SIGNAL

- Input the one of these signals below from HDMI1 terminal.
DTS-HD MasterAudio 7.1ch
Dolby TrueHD 7.1ch
- Change the state to TEST 6-00. Confirm the signal is output from L/R,SW/C,SL/SR,SBL/SBR.
- When TEST 6-08, confirm the sound(HDMI1 input) outputs from the TV.

b. CONFIRMATION OF HDMI SPDIF SIGNAL

- SPDIF signal is input from HDMI terminal.
- When TEST 6-06, confirm the sound(HDMI IN1) outputs from the speaker.
- When TEST 6-07, confirm the sound(BD/DVD analog input) outputs from the TV.(VIDEO is Blue back.)

c. CONFIRMATION OF HDMI DSD SIGNAL.

- When TEST 6-10,11,12, confirm the sound of DSD 5.1ch input HDMI IN 3, output from the speaker.

1-11. VIDEO FUNCTION CHECK

See "OPERATION CHECK-3,-6" for TEST MODE operation.

- Confirm Video output signal as shown Table 2, while Video signal are input as shown Table 1.

NOTE 1: Confirm the HDMI path at 1080p signal.

Applied to HT-R592

Table 1

Input	Composite Video	Component		HDMI	
BD/DVD	A	IN1	F	IN1	H
VCR/DVR	B	---	---	IN2	I
CBL/SAT	C	IN2	G	IN3	J
GAME	D	---	---	IN4	K
AUX	E	---	---	---	---

Table 2

Test mode	Composite Video		Component	HDMI
	VCR out	Monitor out	OUT	OUR
5-05(BD/DVD)	A	A	F	H
5-06(VCR/DVR)	---	B	---	I
5-07(CBL/SAT)	C	C	G	J
5-08(GAME)	D	D	---	K
5-10(AUX)	E	E	---	---

Applied to TX-NR525/HT-RC550.

Table 1

Input	Composite Video	Component		HDMI	
BD/DVD	A	IN1	F	IN1	H
IN2	---	---	---	IN2	I
CBL/SAT	B	IN2	G	IN3	J
GAME	C	---	---	IN4	K
PC	D	---	---	IN5	L
AUX	E	---	---	IN6	M

Table 2

Test mode	Composite Video	Component	HDMI
	Monitor out	OUT	OUR
5-05(BD/DVD)	A	F	H
5-06(IN2)	B	G	I
5-07(CBL/SAT)	C	---	J
5-08(GAME)	D	---	K
5-09(PC)	E	---	L
5-10(AUX)	---	---	M

b. OPERATIONS OF VIDEO SIGNAL-DETECTION

- Confirm "RDS" light up on FL TUBE when component video signal is input in "TEST 5-00".
Confirm "RDS" turn off on FL TUBE when component video signal isn't input in "TEST 5-00",too.
- Confirm "FM STEREO" light up on FL TUBE when component video signal is input in "TEST 5-00".
Confirm "FM STEREO" turn off on FL TUBE when component video signal isn't input in "TEST 5-00",too.

1-12. MISCELLANEOUS

- Confirm all input and output terminals operate normally.
- Please confirm LED and FL displaying by the FL TEST mode. And confirm the destination setting.
---> See to "OPERATION CHECK-3".
- Change the state to KEY TEST under TEST MODE to confirm each key operation.
---> See to "OPERATION CHECK-3".
- Confirm the version of each firmware.
---> See to "SERVICE PROCEDURE-2".
- Confirm the firmware combination check.
---> See to "OPERATION CHECK-3".

OPERATION CHECK-3

2.TEST MODE(1/4)

2-1.TEST MODE FOR MODEL, DESTINATION AND FL DISPLAY

[NOTE] If VOL value is not **25**(initial setting), test mode cannot be set.

- Push STANDBY/ON key while pushing down TV/CD button to display "TEST-".
- Then push DIMMER(RT/PTY/TP) button and get the FL test mode.
- In the FL test mode, TONE + button is FL TEST UP and TONE - button is FL TEST DOWN.
- REC OUT and ZONE2 button's originally operation can't work when it is in FL test mode.
- The contents of the step are as follows.
 - Lit all segment
 - Lit '23456789ABCDEF'
 - Lit a even number segment
 - Lit an odd number segment
 - The Destination setting is displayed. Please see the below for detail.
- To close the FL test, push POWER button.

Display of Destination on TEST MODE.(Distination setting)

e.g. **NR525 Dx 2000**

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-NR525	Dx	2000	2000 TX-NR525 Dx	N	R	5	2	5			D	x		2	0
TX-NR525	xx	8000	8000 TX-NR525 xx	N	R	5	2	5			x	x		8	0
HT-RC550	Dx	2002	2002 HT-RC550 Dx	R	C	5	5	0			D	x		2	0
HT-R592	Dx	2028	2028 HT-R592 Dx	H	T	5	9	2			D	x		2	0
HT-R592	xx	8028	8028 HT-R592 xx	H	T	5	9	2			x	x		8	0

2-2. TEST MODE FOR OPERATION

- Push STANDBY/ON button while pushing down TV/CD button to display "TEST-".
- Next, if the following keys are pushed, it becomes a each TEST MODE.
- In the test mode, (TONE)- button is TEST MODE DOWN and (TONE)+ button is TEST MODE UP.
- "TEST-1-00" and "TEST-1-01" are used to check a protection circuit, and the relay recovered in one second.

TEST MODE	1-00	2-00	3-00	4-00	5-00	6-00	KEY TEST
HT-R592	BD/DVD	VCR/DVR	CBL/SAT	GAME	AUX	TV/CD	MEMORY (CINEMA FILTER)
TX-NR525 HT-RC550		CBL/SAT	GAME	PC			

TEST MODE	IDLING TIMER	FL TEST	FIRMWARE COMBINATION CHECK	CHECK SUM
HT-R592 TX-NR525 HT-RC550	TUNING MODE (LATE NIGHT)	DIMMER (RT/PTY/TP)	ENTER	When MMPU debug version(*1) is displayed, push "MEMORY(CINEMA FILTER)"

(*1) MMPU debug version is displayed

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

OPERATION CHECK-4

2.TEST MODE(2/4)

2-2. TEST MODE FOR OPERATION(Continue)

e. Test mode is as follows.

TEST No	Analog Input [Rec Sel] (Zone2/Zone3)	Listening Mode/ Input Format	VIDEO Input	Component V	HDMI	Digital Input /Output	Config.	Master Vol. NonTHX (THX)	Speaker Relay	etc.	
1-00	BD/DVD (Off)	Direct	BD/DVD	IN1	IN1	-	-	Max	F/CS/SB/Z2		*1 PROTECT
1-01	BD/DVD (Off)	Direct	BD/DVD	IN1	IN1	-	-	Max	F/CS/SB/Z2	SBL,SBR	**1 PROTECTFOR SBL ch"
1-02	BD/DVD (Off)	Direct	BD/DVD	IN1	IN1	-	-	MIN	F/CS/SB/Z2		
2-00	BD/DVD (Off)	Stereo(Direct)	BD/DVD	IN1	IN1	-	-	Max	F	SW=NO	
2-01	BD/DVD (Off)	Stereo(Direct)	BD/DVD	IN1	IN1	-	-	64	F	SW=NO	
2-02	BD/DVD (Off)	DVD Direct	BD/DVD		IN1	-	Y/L/L/L/L	Max	F/CS/SB		
2-03	Multi channel	Multi ch Amp Test	BD/DVD	IN1	IN1	-	Y/L/L/L/L	64	F/CS/SB		
2-05	BD/DVD (Off)	ADC DSP 8ch Thru.	BD/DVD	IN1	IN1	-	Y/L/L/L/L	62	F/CS/SB		
2-06	BD/DVD (Off)	ADC DSP 8ch Thru.	BD/DVD	IN1	IN1	-	Y/L/L/L/L	64	F/CS/SB		
2-07	BD/DVD (Off)	ADC DSP 7ch Thru.	BD/DVD	IN1	IN1	-	Y/L/L/L/L	57	F/CS/SB	SW:MUTE	
2-08	BD/DVD (Off)	ADC DSP 8ch Thru.	BD/DVD	IN1	IN1	-	Y/L/L/L/L	45	F/CS/SB		
2-09	BD/DVD (Off)	ADC DSP 8ch Thru.	BD/DVD	IN1	IN1	-	Y/L/L/L/L	MIN	F/CS/SB		
2-10	BD/DVD (Off)	ADC DSP 8ch Thru.	BD/DVD	IN1	IN1	-	Y/L/L/L/L	64	CS/SB	SPRLF OFF	
2-11	"VCR/DVR (Off) H59	Automatic	VCR/DVR	-	IN2	*OPT1	Y/L/L/L/L	64	F/CS/SB		
2-12	"VCR/DVR(Off) H59 CBL/SAT (Off) T5/H55"	Automatic	VCR/DVR CBL/SAT	-	IN2	*COAX1		64	F/CS/SB		
2-13	"CBL/SAT (Off) H59 GAME(Off) T5/H55"	DIR DSP 8ch Thru	CBL/SAT GAME	-	IN3	*OPT1	Y/L/L/L/L	64	F/CS/SB		
2-14	"GAME (Off) H59 PC(Off) T5/H55"	DIR DSP 8ch Thru	GAME PC	-	IN4			64			
2-15	AUX (Off)	DIR DSP 8ch Thru	AUX	-	-	OPT1	Y/L/L/L/L	64	F/CS/SB		
2-16	BD/DVD (Off)	DIR DSP 8ch Thru	BD/DVD	-	-	COAX1	Y/L/L/L/L	Max	F/CS/SB		
2-17	BD/DVD (Off)	DIR DSP 8ch Thru	BD/DVD	-	-	COAX1	Y/L/L/L/L	64	F/CS/SB		
2-18	TV/CD (Off)	Automatic	BD/DVD	BD/DVD	IN2	*OPT2	Y/L/L/L/L	52	F/CS/SB		
2-19	BD/DVD (Off)	DIR DSP 8ch Thru	BD/DVD	BD/DVD	IN2	*OPT2	Y/L/L/L/L	64	F/CS/SB		
2-20	BD/DVD (Off)	DIR DSP 8ch Thru	BD/DVD	BD/DVD	IN2	*OPT2	Y/L/L/L/L	64	F		
2-21	BD/DVD (Off)	DIR DSP 8ch Thru	BD/DVD	BD/DVD	IN3	*COAX2	Y/L/L/L/L	64	F		
2-22	BD/DVD(Source)	DIR DSP 8ch Thru	BD/DVD	BD/DVD	IN3	*COAX2	Y/L/L/L/L	64	CS		
2-23	MIC	ADC DSP 8ch Thru.	BD/DVD	BD/DVD	IN1	-	Y/L/L/L/L	64	F/CS/SB		
2-24	MIC	ADC DSP 8ch Thru.	BD/DVD	BD/DVD	IN1	-	Y/L/L/L/L	64	F/CS/SB	MICMUTE ON	
2-25	AUX(Off)	DIR DSP 8ch Thru	AUX	-	-	OPT1	Y/L/L/L/L	59	F/CS/SB		
2-26	PC (Off)	DIR DSP 8ch Thru	PC	-	-	OPT1	Y/L/L/L/L	64	F/CS/SB		
3-00	FM/Source	Stereo(Direct)	BD/DVD	BD/DVD	IN1	-	-	64	F		
3-01	TV/CD	Stereo(Direct)	BD/DVD	BD/DVD	IN1	-	-	Max	F/Z2		
3-02	TV/CD	Stereo(Direct)	BD/DVD	BD/DVD	IN1	-	-	64	F/Z2		
3-03	TV/CD	Stereo(Direct)	BD/DVD	BD/DVD	IN1	-	-	64	F/Z2	Z2MUTE ON	
3-04	TV/CD (Off)	ALL CH STEREO	BD/DVD	BD/DVD	IN1	-	Y/L/L/L/L	64	F/CS/FH		
3-05	TV/CD	Stereo(Direct)	BD/DVD	BD/DVD	IN1	-	-	MIN	F/Z2		
3-09	USB/(Source)	Stereo(Direct)	Last	-	-	Front USB	-	57	F		
3-10	USB/(Source)	Stereo(Direct)	Last	-	-	Rear USB	-	57	F		TX-NR525,HT-R550 only
3-11	USB/(Source)	Stereo(Direct)	Last	-	-	Front USB	-	48	F	"Output Level / Distortion"	1.44.1kHz_16bit_1kHz_0dBfs_L&R.wav *2
3-12	USB/(Source)	Stereo(Direct)	Last	-	-	Front USB	-	48	F	Hum noise	2.44.1kHz_16bit_∞dBfs_L&R.wav *2
3-13	USB/(Source)	Stereo(Direct)	Last	-	-	Front USB	-	48	F	Freq. Resp.	3.44.1kHz_16bit_20kHz_0dBfs_L&R.wav *2
3-14	USB/(Source)	Stereo(Direct)	Last	-	-	Front USB	-	48	F	Freq. Resp.	4.44.1kHz_16bit_20kHz_0dBfs_L&R.wav *2
3-15	USB/(Source)	Stereo(Direct)	Last	-	-	Front USB	-	48	F	Separation	5.44.1kHz_16bit_1kHz_0dBfs_Lch.wav *2
3-16	USB/(Source)	Stereo(Direct)	Last	-	-	Front USB	-	48	F	Separation	6.44.1kHz_16bit_1kHz_0dBfs_Rch.wav *2
3-17	USB/(Source)	Stereo(Direct)	Last	-	-	Front USB	-	48	F	"Output Level / Distortion"	7.48kHz_16bit_1kHz_0dBfs_L&R.wav *2
3-18	NET/(Source)	Stereo(Direct)	Last	-	-	NET	-	48	F	"NET connectioncheck "	display IP address

OPERATION CHECK-5

2.TEST MODE(3/4)

2-2. TEST MODE FOR OPERATION(Continue)

Auto Measurement Mode

[Note] Do not connect the loudspeaker.

TEST No.	DSP Output ch	DSP Output Frequency	DSP Output Voltage	CConfig.	Master Vol.	Speaker Relay	etc.
4-00	ALL	1kHz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	DSP Gain
4-01	ALL	30Hz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	DSP Freq.Response
4-02	ALL	20kHz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	DSP Freq.Response
4-03	SW	30Hz	-20dBFS	N/L/L/L/L	58(-22dB)	F/CS/SB	Characteristic(1)
4-04	FL,FR	30Hz	-20dBFS	N/L/L/L/L	64(-16dB)	F/CS/SB	Characteristic(2)
4-05	FR,C,SL,SR,SBL,SBR,SW	10kHz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	Mute:FL Separation
4-06	FL,C,SL,SR,SBL,SBR,SW	10kHz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	Mute:FR Separation
4-07	FL,FR,SL,SR,SBL,SBR,SW	10kHz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	Mute:C Separation
4-08	FL,FR,C,SR,SBL,SBR,SW	10kHz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	Mute:SL Separation
4-09	FL,FR,C,SL,SBL,SBR,SW	10kHz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	Mute:SR Separation
4-10	FL,FR,C,SL,SR,SBR,SW	10kHz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	Mute:SBL *6 Separation
4-11	FL,FR,C,SL,SR,SBL,SW	10kHz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	Mute:SBR *6 Separation
4-12	FL,FR,C,SL,SR,SBL,SBR	30Hz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	Mute:SW Separation
4-13	ALL	1kHz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	*mut on Muting
4-14	ALL	30Hz	-20dBFS	Y/L/L/L/L	64(-16dB)	F/CS/SB	*mut on Muting
4-15	ALL	1kHz	-20dBFS	Y/L/L/L/L	Min(-80dB)	F/CS/SB	Volume Max.Attenuation
4-16	ALL	30Hz	-20dBFS	Y/L/L/L/L	Min(-80dB)	F/CS/SB	Volume Max.Attenuation
4-21	FL	+DC	+Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3 +DC Protect
4-22	FR	-DC	-Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3 -DC Protect
4-23	C	+DC	+Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3 +DC Protect
4-24	SL	-DC	-Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3 -DC Protect
4-25	SR	+DC	+Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3 +DC Protect
4-26	SBL	-DC	-Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3,*6 -DC Protect
4-27	SBR	+DC	+Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3,*6 +DC Protect
4-28	FL	-DC	-Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3 -DC Protect
4-29	FR	+DC	+Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3 +DC Protect
4-30	C	-DC	-Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3 -DC Protect
4-31	SL	+DC	+Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3 +DC Protect
4-32	SR	-DC	-Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3 -DC Protect
4-33	SBL	+DC	+Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3,*6 +DC Protect
4-34	SBR	-DC	-Max	Y/L/L/L/L	Max	F/CS/SB	*1,*3,*6 -DC Protect
4-35	ALL	Pulse	Max	Y/L/L/L/L	58(-22dB)	F/CS/SB	*1,*4 Current Protect
4-36	"FL,FR,C,SL,SR"	1kHz	0dBFS	Y/L/L/L/L	55(-25dB)	F/CS/SB	vol=55 VOLH DET
4-37	C,SL,SR,SBL,SBR	1kHz	0dBFS	Y/L/L/L/L	55(-25dB)	F/CS/SB	*5,*6 VOLH DET
4-38	ALL	1kHz	-20dBFS	Y/L/L/L/L	59(-21dB)	F/CS/SB	
4-39	ALL	30Hz	-20dBFS	Y/L/L/L/L	59(-21dB)	F/CS/SB	
4-40	ALL	20kHz	-20dBFS	Y/L/L/L/L	59(-21dB)	F/CS/SB	IDLING TIMER

In all test modes, it is not concerned with detection of VOLH but SEC1H are made "H" fixation. (Except TEST4-36 and 4-37.)

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

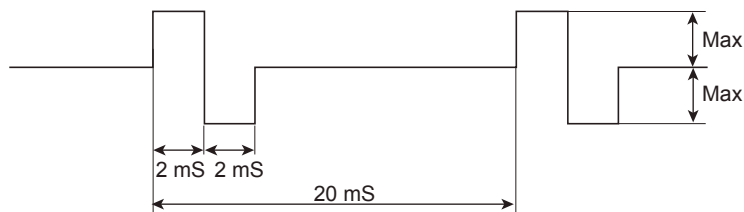
Moreover, whether make RELAY restoration time at the time of protection operation into 1 second, and PROTECT input "H" is detected how many times or it continues 1 second or more, RELAY is not held at OFF or POWER OFF is not carried out, either.

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 : When TEST No. 4-21 ~ 34 is setted, DC votage is putted out immediately at each channel. (within 100msec.)

*4 : The following signal is putted out at all channel continuously in TEST4-35



*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 : SBL/SBR correspond only HT-R592.

OPERATION CHECK-6

2.TEST MODE(4/4)

2-2. TEST MODE FOR OPERATION(Continue)

VIDEO & HDMI TEST MODE

TEST No.	Input selector	DIGITAL INPUT	COMPO-NENT/D4	Volume	HDMI	MODE	etc
5-00	BD/DVD	HDMI	IN1	MIN	-	-	
5-01	BD/DVD	HDMI	IN1	MIN	-	-	
5-02	BD/DVD	HDMI	IN1	MIN	-	-	
5-03	BD/DVD	HDMI	IN1	MIN	-	-	
5-04	PC	-	-	MIN	-	-	Only 525/550
5-05	BD/DVD	HDMI	IN1	33	IN1	Through	Audio TV Out
5-06	VCR/DVR	HDMI	-	33	IN2	Through	Audio TV Out
5-07	CBL/SAT	HDMI	IN2	33	IN3	Through	Audio TV Out
5-08	GAME	HDMI	-	33	IN4	Through	Audio TV Out
5-09	PC	HDMI	-	33	IN5	Through	Audio TV Out (Only 525/550)
5-10	AUX	HDMI	-	33	IN6	Through	Audio TV Out
6-00	BD/DVD	HDMI	IN1	43	IN1	HDMI I2S SIGNAL	OUTPUT CH=L/R/C/SW/SL/SR
6-01	BD/DVD	HDMI	IN1	43	IN1	HDMI I2S SIGNAL	OUTPUT CH = SW/C
6-02	BD/DVD	HDMI	IN1	43	IN1	HDMI I2S SIGNAL	OUTPUT CH = SL/SR
6-03	BD/DVD	HDMI	IN1	43	IN1	HDMI I2S SIGNAL	OUTPUT CH = SBL/SBR
6-04	BD/DVD	HDMI	IN1	43	IN1	HDMI DSD SIGNAL	OUTPUT CH = L/R/C/SW/SL/SR
6-05	BD/DVD	HDMI	IN1	43	IN1	HDMI DSD SIGNAL	OUTPUT CH = SBL/SBR
6-06	BD/DVD	HDMI	IN1	43	IN1	HDMI SPDIF SIGNAL	
6-07	BD/DVD	COAX1*	IN1	MIN	---	Audio TV OUT = ON, VOL=0, ANALOG(BD)	HDMI OUT is blue back
6-08	BD/DVD	HDMI	IN1	MIN	IN1	Audio TV OUT = ON, VOL=0, I2S SIGNAL	
6-09	CBL/SAT	HDMI ARC	IN2	43	---	HDMI AUDIO RETURN CHANNEL	
6-10	BD/DVD	HDMI	IN1	50	IN3	HDMI DSD SIGNAL	Output CH = L/R to L/R
6-11	BD/DVD	HDMI	IN1	50	IN3	HDMI DSD SIGNAL	Output CH = C/SW to L/R
6-12	BD/DVD	HDMI	IN1	50	IN3	HDMI DSD SIGNAL	Output CH = SL/SR to L/R

NOTES

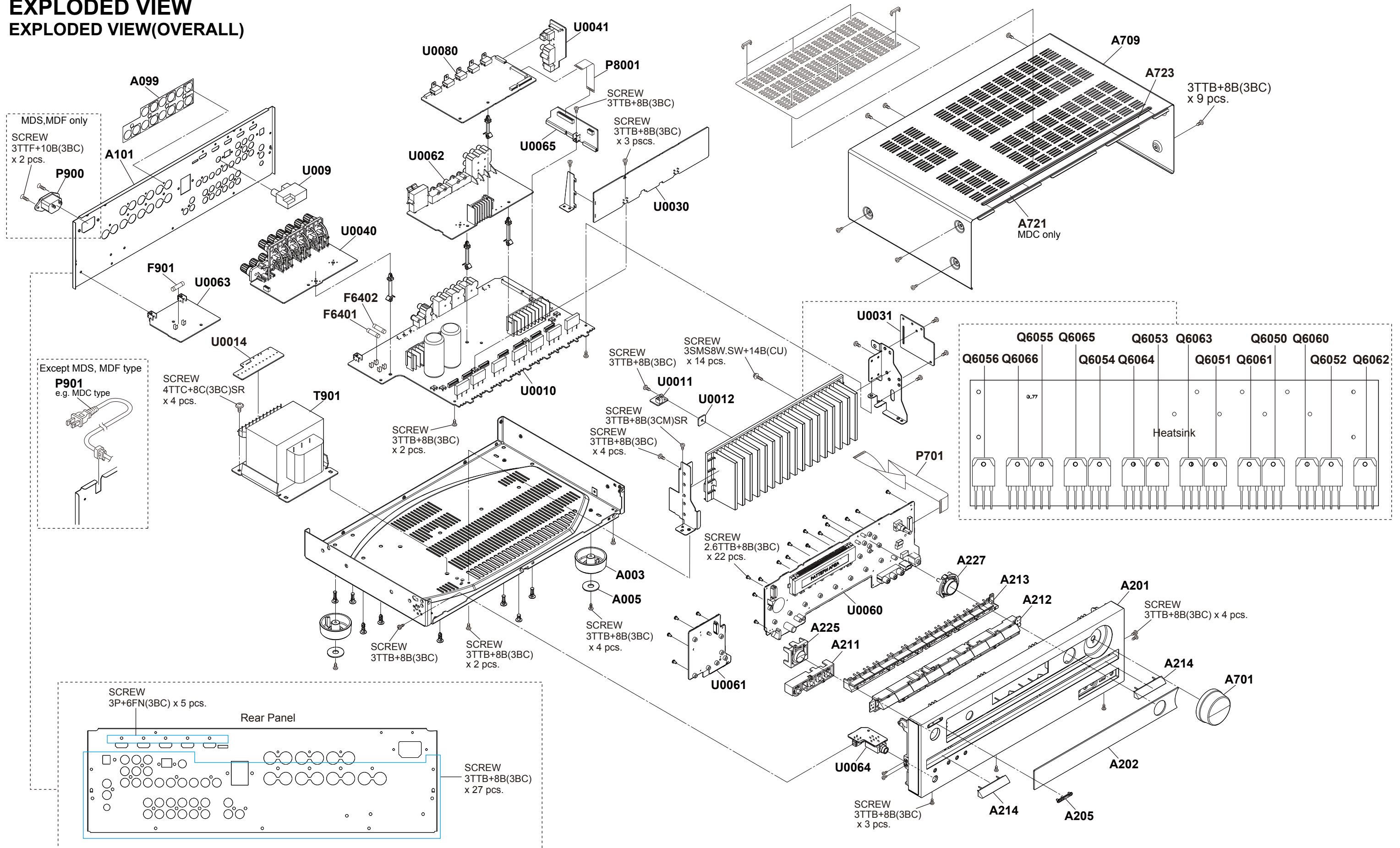
1. DSP Thru of Listening Mode outputs L Input signal to L/C/SL/SBL, and outputs R Input signal to R/SR/SBR/SW.
2. Config. is in order of SW/Front/Center/Surround/Surround Back
3. Mute is function to stop output(from the channel) by using inner DSP programming.
4. When Listening Mode is DSP through, an analog switch is changed into the state of SURROUND.
5. At the time of PRTCTTHM detection, it is displayed on FLT as "THERMAL PROTECT".

f. Following frequencies are automatically written in the preset memory, when the unit goes into test mode.

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

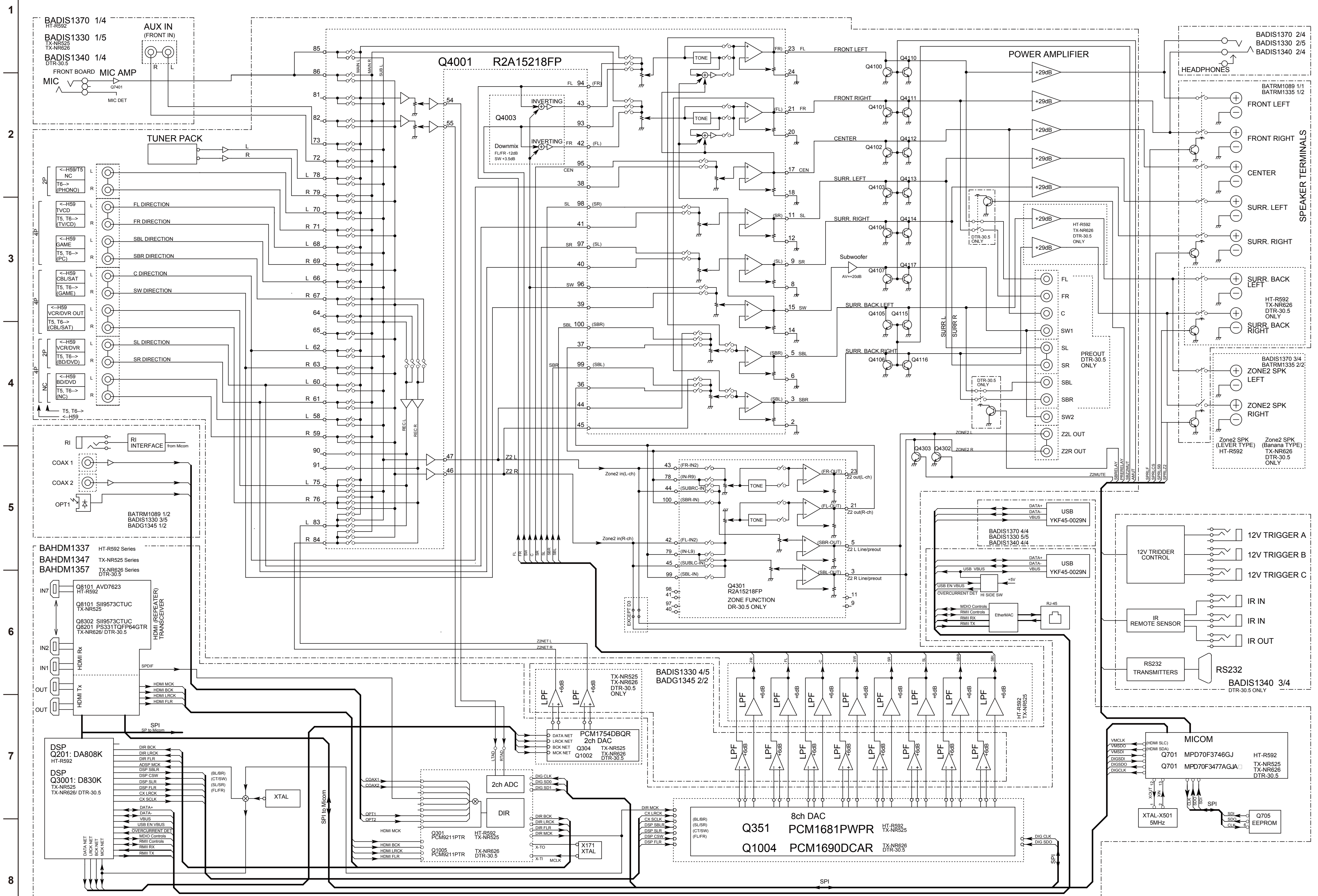
EXPLODED VIEW

EXPLODED VIEW(OVERALL)



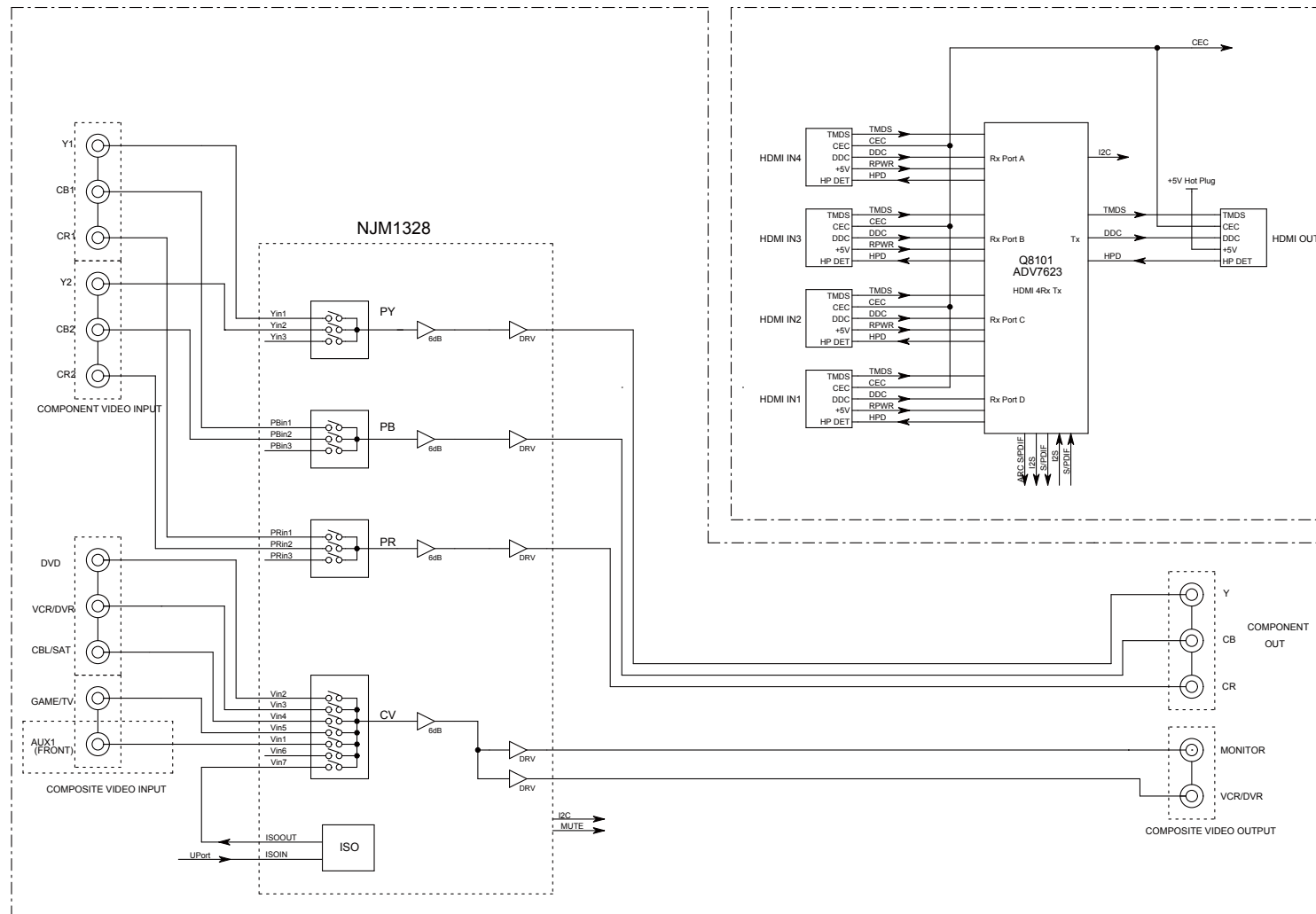
SCHEMATIC DIAGRAMS-01(PART-1)

BLOCK DIAGRAM AUDIO SECTION

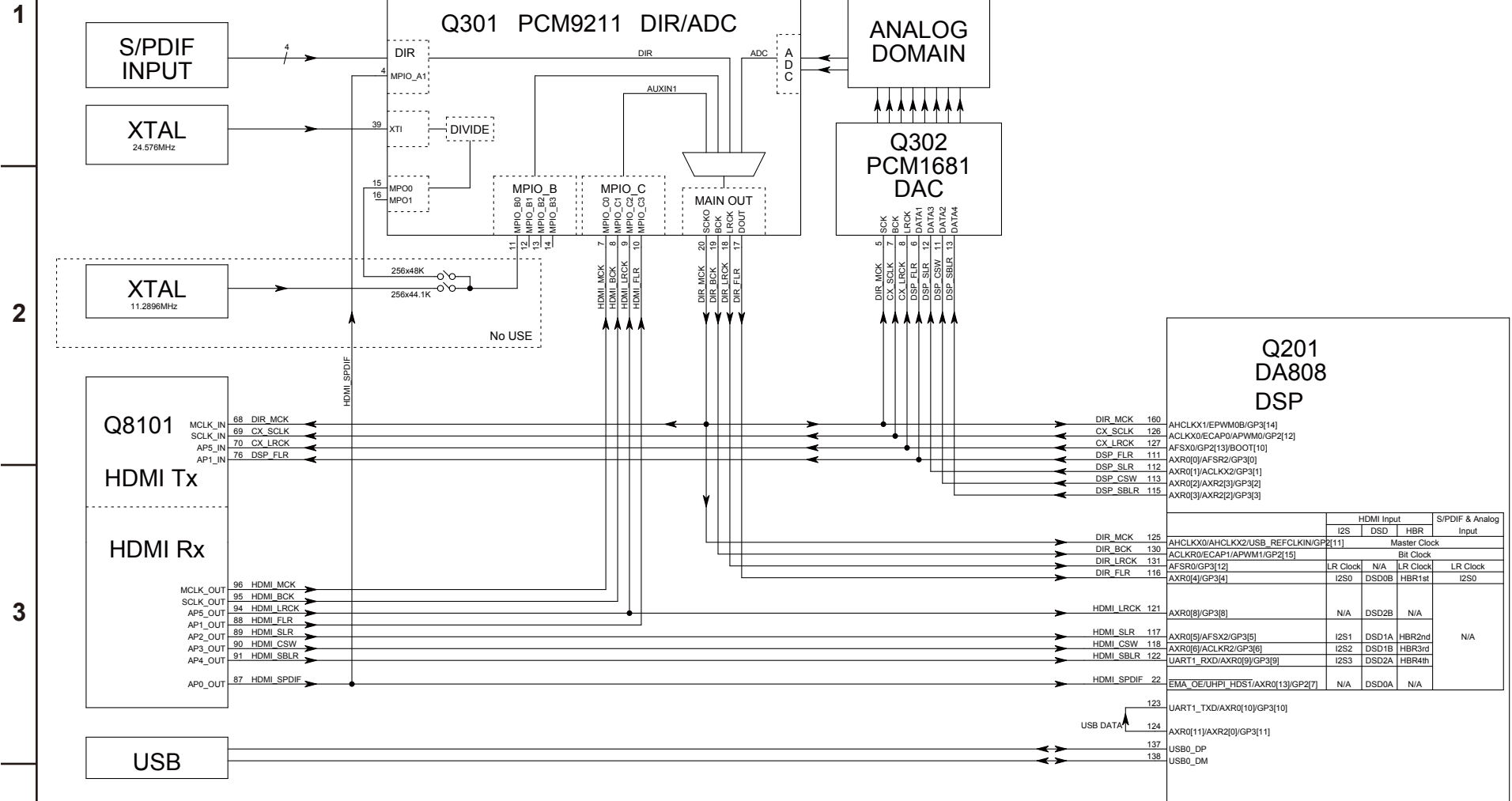


SCHEMATIC DIAGRAMS-02(PART-2)

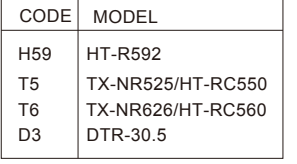
BLOCK DIAGRAM VIDEO SECTION



SCHEMATIC DIAGRAMS-03(PART-3)
BLOCK DIAGRAM DIGITAL AUDIO SECTION



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

[illegible]

SCHEMATIC DIAGRAMS-05(PART-5)

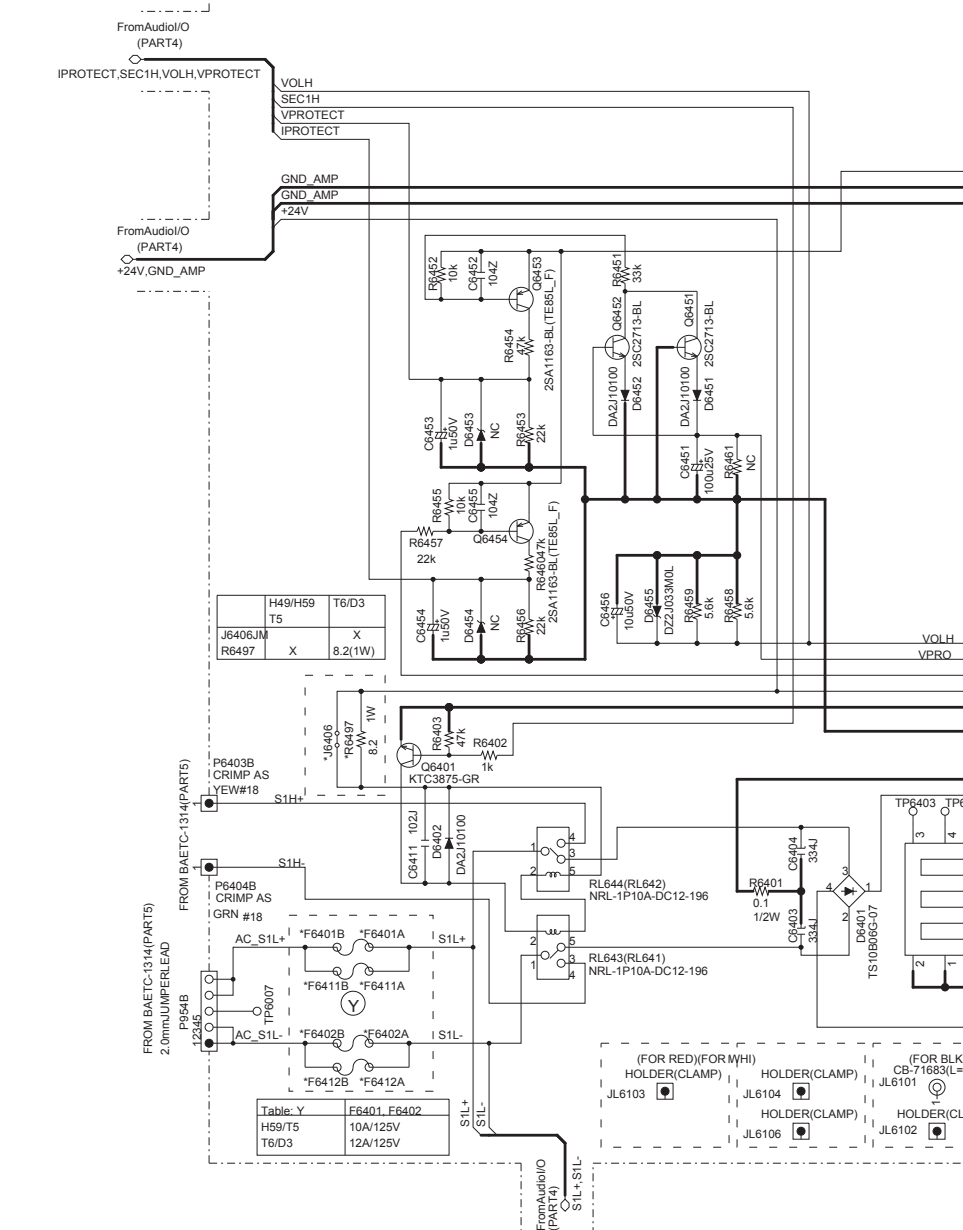
AMP SECTION

	H59H59 -1C 7ch US	-1D 7ch EX	T5 -1E 5ch US	T5T5 -1F 5ch EU	-1G 5ch EX	T6T6D3 -1H 7ch7ch US	-1J EUEX	T6D3 -1K 7ch J	-1L 7ch US	-1M 7ch EX	D3 -1N 7ch J	
Table:WL6000-02	R6430-32	X	O	X	O	O	O	O	O	O	O	FL/FRIC AMP
	J6700-02	O	X	O	X	X	X	X	O	O	X	
	L6003-04 R6433-34	X	O	X	O	X	X	O	X	X	O	
	J6703-04	O	X	O	X	X	X	O	O	X	O	
Table:X		O	O	X	X	X	O	O	O	O	O	SBLR AMP Zone2 SPKR
	L6005-06 R6435-36	X	O	X	X	X	X	O	X	X	O	
	J6705-06	O	X	X	XX	X	O	X	O	O	X	
Table:Y	F6401-02 F6411-12	10A	10A	10A	10A	10A	12A	12A	12A	12A	12A	S1L FUSE
Table:Z	C6401-02	8200 /83V	8200 /83V	8200 /83V	8200 /83V	8200 /83V	10000 /89V	10000 /89V	10000 /89V	10000 /89V	10000 /89V	Main CAP

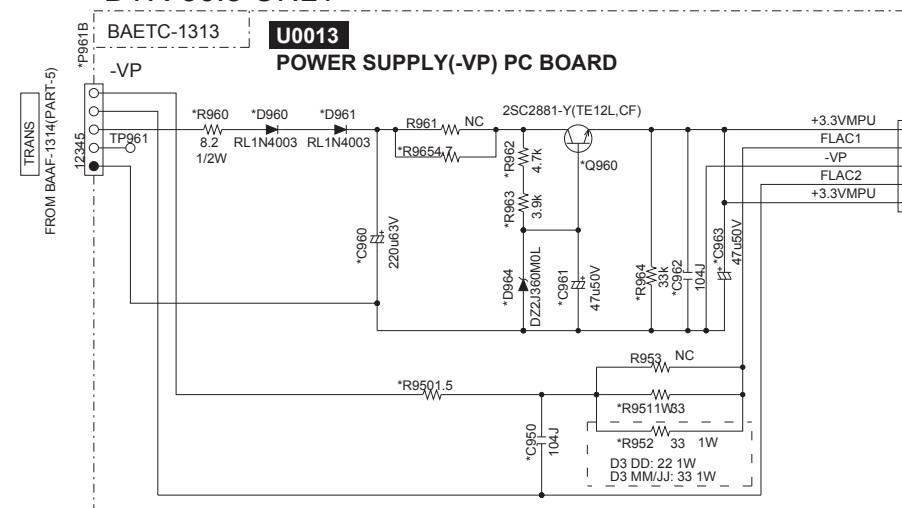
CODE	MODEL
H59	HT-R592/2295
T5	TX-NR525/HT-RC550
T6	TX-NR626/HT-RC560
D3	DTR-30.5

BAAF-1310(2/2)
ASP/AMP

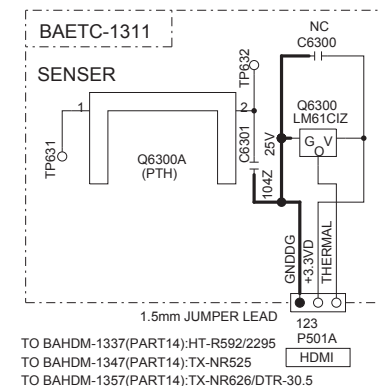
U0010
AUDIO(AMP/ASP) PC BOARD



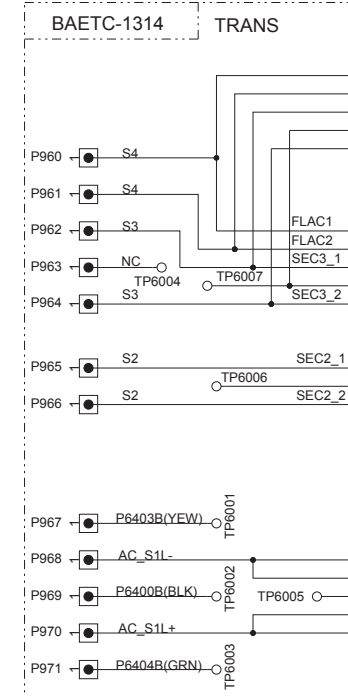
DTR-30.5 ONLY



U0011
THERMAL SENSOR PC BOARD



U0014
TERMINAL(TRANS.) PC BOARD



SCHEMATIC DIAGRAMS-06(PART-6)

ADJUSTMENT OF IDLING CURRENT

[NOTES]

1. Set R6040 - 6046(TX-NR525/HT-RC550 are R6040-6044) to minimum position before POWER ON.
2. Equip series 1/4W 100-ohm resistors near the terminal respectively in the each poles of the jig used for P6080 - 6086(TX-NR525/HT-RC550 are P6080-6084) terminals.

[PROCEDURES]

- a. Set the voltages at P6080 - 6082 to **2.5mV** by adjusting R6040 - 6042, under the condition of no input and no load, immediately after POWER ON.

- b. Set the voltages at P6083-6086(TX-NR525/HT-RC550 are P6083-6084) to **1.5mV** by adjusting R6043 - 6046(TX-NR525/HT-RC550 are R6043 - 6044), under the condition of no input and no load, immediately after POWER ON.

- c. Re-adjust by following procedure after 5 minutes of heat running.

L/ C/ R			
Below	9 mV	→	9 mV
Between	9 - 11 mV	→	Leave it as it is.
Over	11 mV	→	11mV

SL/ SR/ SBL/ SBR			
Below	6 mV	→	6 mV
Between	6 - 8 mV	→	Leave it as it is.
Over	8 mV	→	8 mV

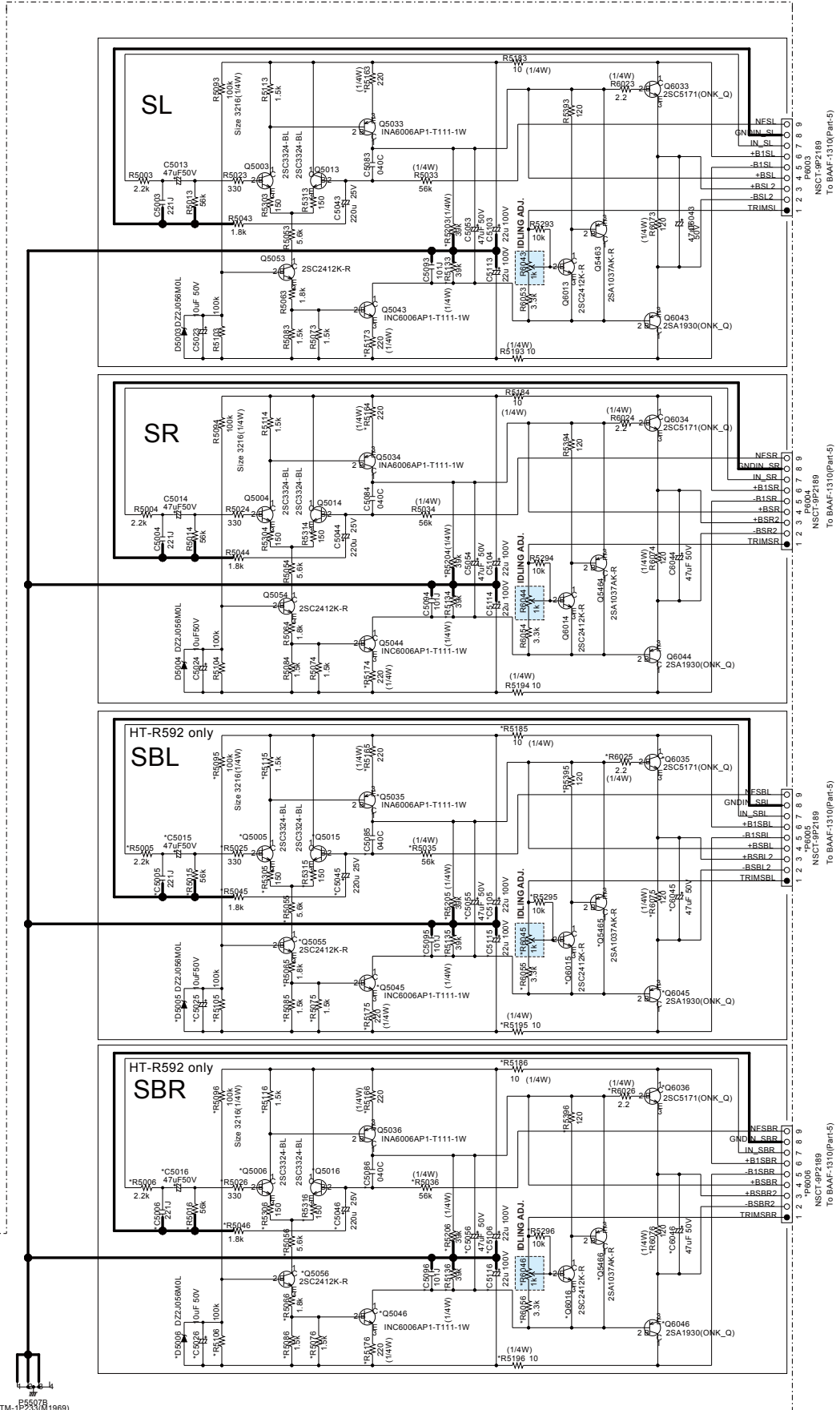
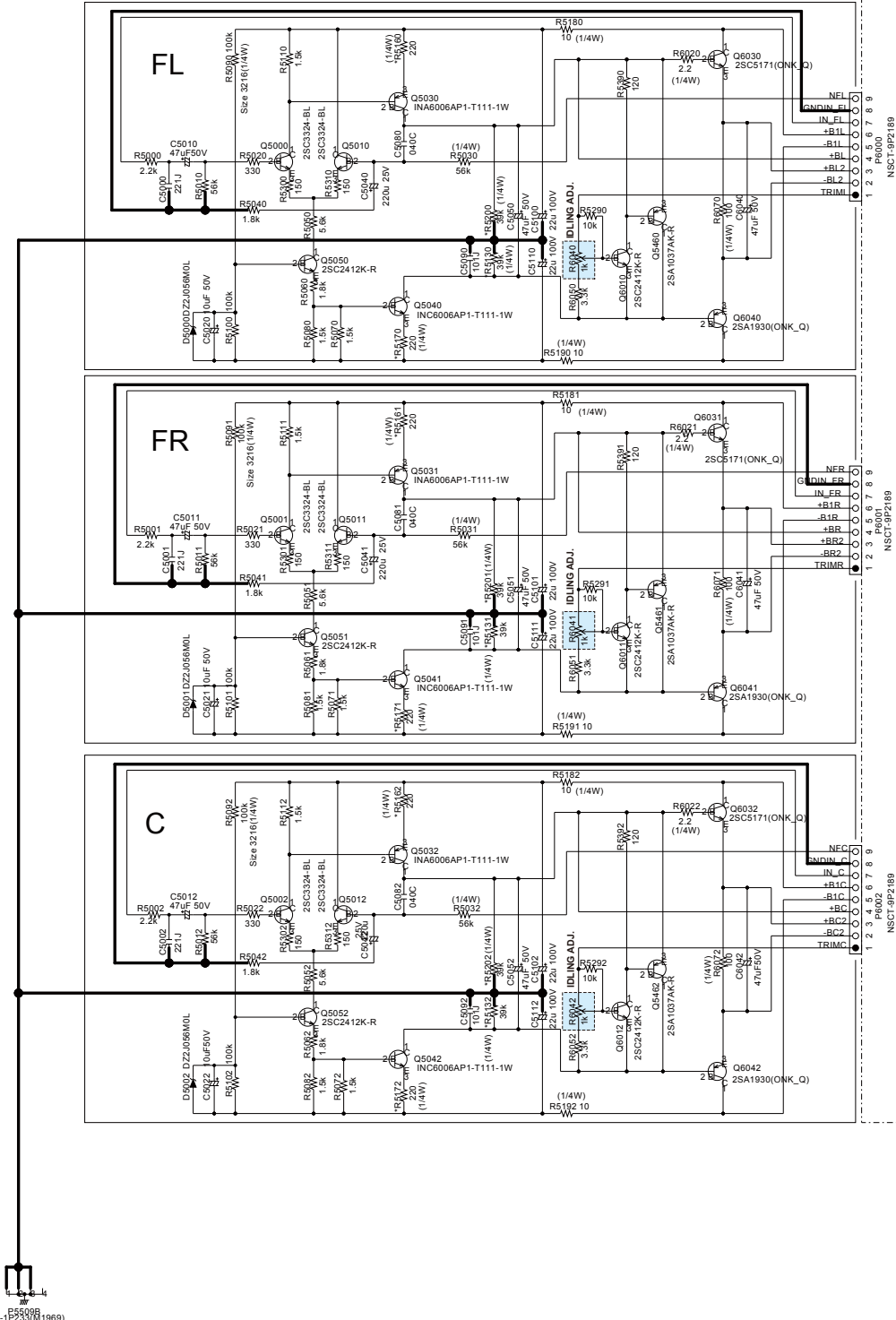
BACLA-1318

CLASS A

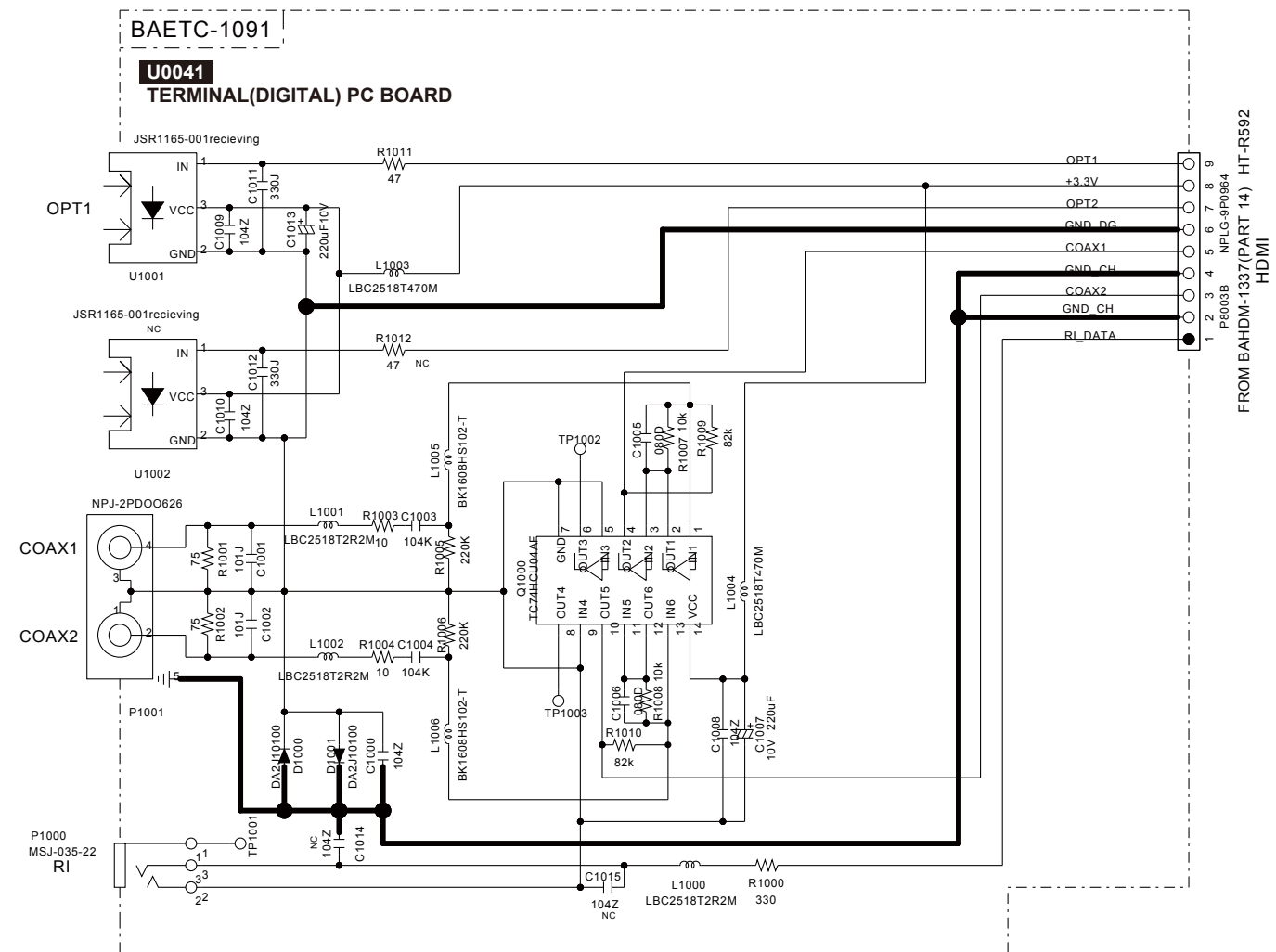
U0030

AMP(CLASS A) PC BOARD

	HT-R592(-1A)	TX-NR525(-1B) HT-RC550
R5160-5166 R5170-5176	220	150
R5200-5206 R5130-5136	39K	33K



A	B
SCHEMATIC DIAGRAMS-07(PART-7) DIGITAL INPUT SECTION	



SCHEMATIC DIAGRAMS-08(PART-8)
VIDEO SECTION

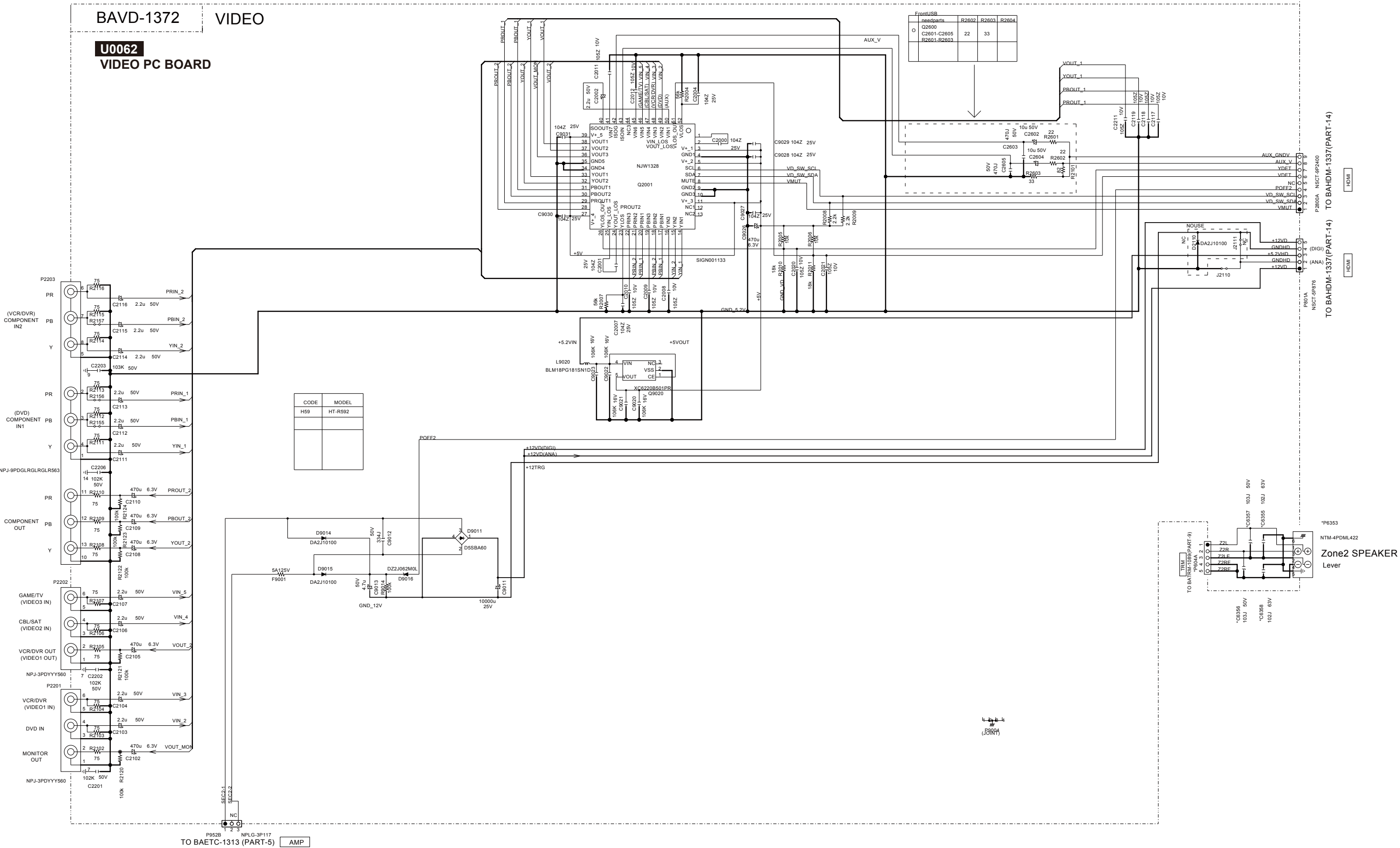
1

2

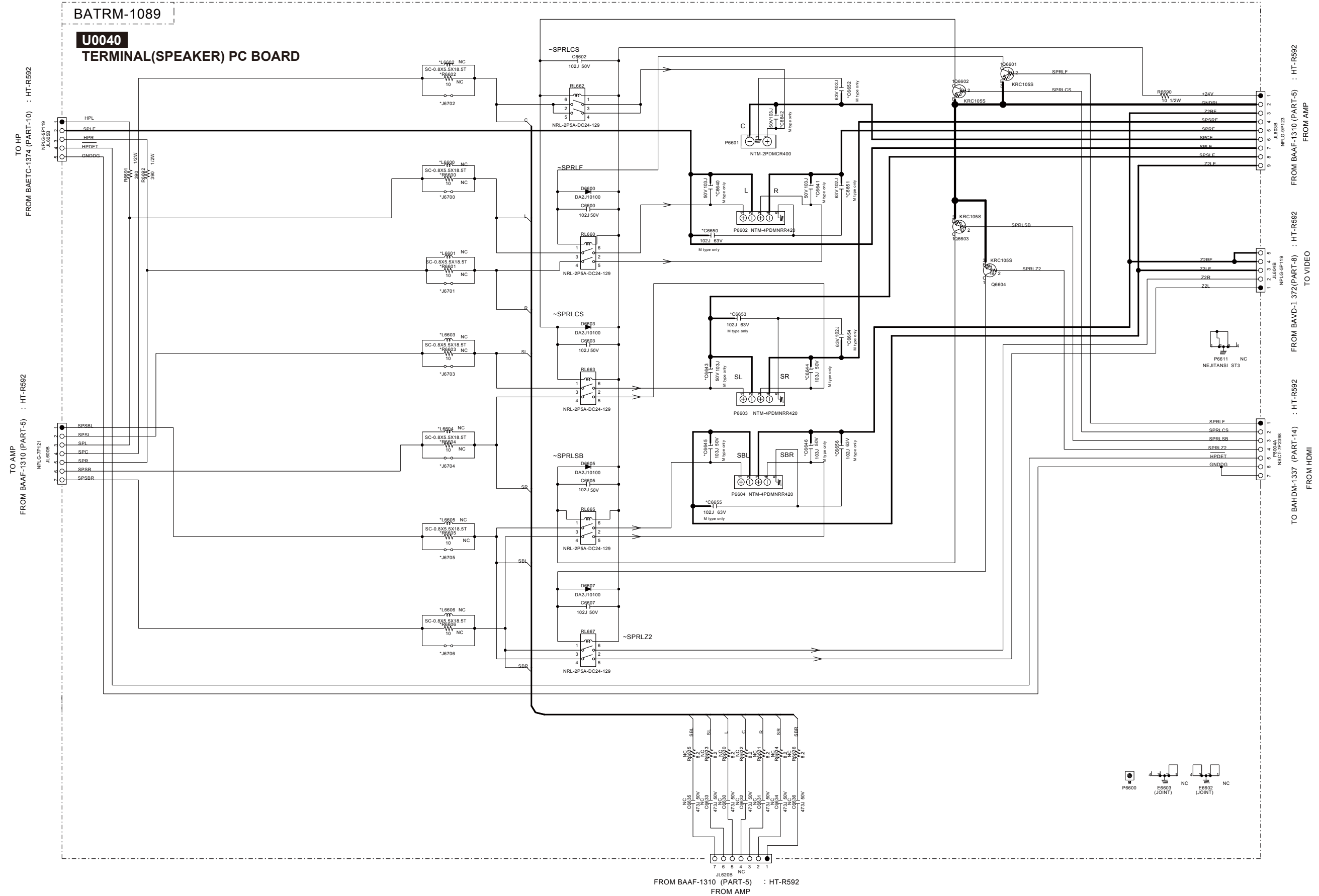
3

4

5



SCHEMATIC DIAGRAMS-09(PART-9)



8



1

3

TYPE	HT59					
D,F,S	NPT-1629D					
P	---					
M	NPT-1629M					

TO BAETC-1314(PART-5):HT-R592

AMP

4

SCHEMATIC DIAGRAMS-14(PART-14)
MPU SECTION

BAHDM-1337(1/3)

U0080
HDMI PC BOARD

DSP PART

PART-18

HDMI PART

PART-15

C-DIODE or list	SN
DA2J10100	223303R2
1SS352	223234R2

POWER SUPPLY (DC/DC)

POWER SUPPLY For HDMI

POWER SUPPLY (MPU)

POWER SUPPLY (STB)

SCHEMATIC DIAGRAMS-16(PART-16)
HDMI SECTION

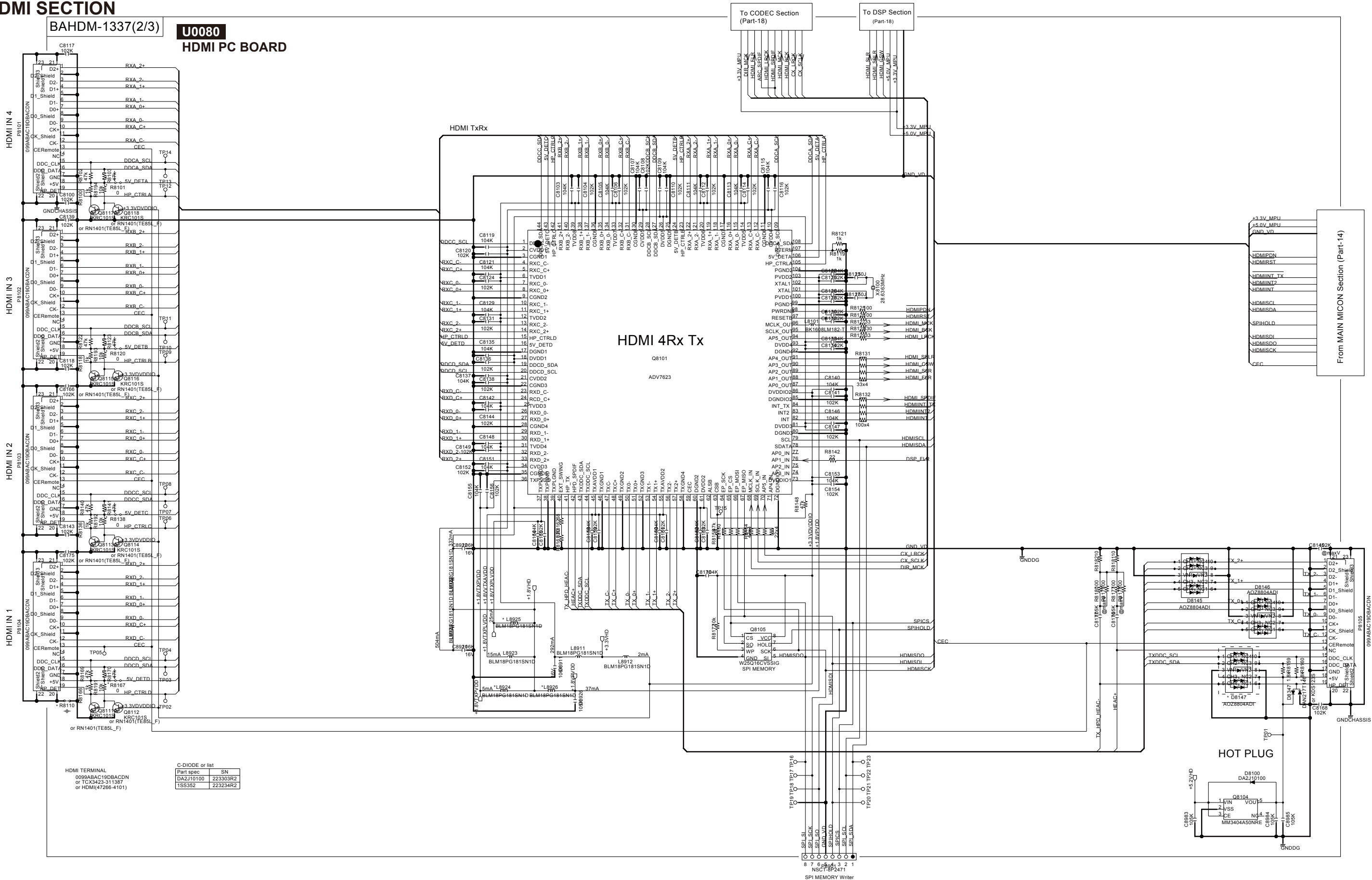
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HT-R592_C(B)MDC

<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 NUMBER SPECIFIED.

<Notes>

(B) : Black color model

<MDC> : 120V,Canadian/USA/(Mexico) model
for HT-S5600

: NSP

HT-R592_C(B)MDC**EXPLODED VIEW PARTS LIST**

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[SEMI CONDUCTOR]					
Q6050	TR	2SC5198-O	1	2203063	
Q6050 or	TR	2SC4468-O	(1)	2202523	
Q6050 or	TR	2SC4468-P	(1)	2202526	
Q6050 or	TR	2SC5198-R	(1)	2203062	
Q6051	TR	2SC5198-O	1	2203063	
Q6051 or	TR	2SC4468-O	(1)	2202523	
Q6051 or	TR	2SC4468-P	(1)	2202526	
Q6051 or	TR	2SC5198-R	(1)	2203062	
Q6052	TR	2SC5198-O	1	2203063	
Q6052 or	TR	2SC4468-O	(1)	2202523	
Q6052 or	TR	2SC4468-P	(1)	2202526	
Q6052 or	TR	2SC5198-R	(1)	2203062	
Q6053	TR	2SC5198-O	1	2203063	
Q6053 or	TR	2SC4468-O	(1)	2202523	
Q6053 or	TR	2SC4468-P	(1)	2202526	
Q6053 or	TR	2SC5198-R	(1)	2203062	
Q6054	TR	2SC5198-O	1	2203063	
Q6054 or	TR	2SC4468-O	(1)	2202523	
Q6054 or	TR	2SC4468-P	(1)	2202526	
Q6054 or	TR	2SC5198-R	(1)	2203062	
Q6055	TR	2SC5198-O	1	2203063	
Q6055 or	TR	2SC4468-O	(1)	2202523	
Q6055 or	TR	2SC4468-P	(1)	2202526	
Q6055 or	TR	2SC5198-R	(1)	2203062	
Q6056	TR	2SC5198-O	1	2203063	
Q6056 or	TR	2SC4468-O	(1)	2202523	
Q6056 or	TR	2SC4468-P	(1)	2202526	
Q6056 or	TR	2SC5198-R	(1)	2203062	
Q6060	TR	2SA1941-O	1	2203053	
Q6060 or	TR	2SA1695-O	(1)	2202513	
Q6060 or	TR	2SA1695-P	(1)	2202516	
Q6060 or	TR	2SA1941-R	(1)	2203052	
Q6061	TR	2SA1941-O	1	2203053	
Q6061 or	TR	2SA1695-O	(1)	2202513	
Q6061 or	TR	2SA1695-P	(1)	2202516	
Q6061 or	TR	2SA1941-R	(1)	2203052	
Q6062	TR	2SA1941-O	1	2203053	
Q6062 or	TR	2SA1695-O	(1)	2202513	
Q6062 or	TR	2SA1695-P	(1)	2202516	
Q6062 or	TR	2SA1941-R	(1)	2203052	
Q6063	TR	2SA1941-O	1	2203053	
Q6063 or	TR	2SA1695-O	(1)	2202513	
Q6063 or	TR	2SA1695-P	(1)	2202516	
Q6063 or	TR	2SA1941-R	(1)	2203052	
Q6064	TR	2SA1941-O	1	2203053	
Q6064 or	TR	2SA1695-O	(1)	2202513	
Q6064 or	TR	2SA1695-P	(1)	2202516	
Q6064 or	TR	2SA1941-R	(1)	2203052	
Q6065	TR	2SA1941-O	1	2203053	
Q6065 or	TR	2SA1695-O	(1)	2202513	
Q6065 or	TR	2SA1695-P	(1)	2202516	
Q6065 or	TR	2SA1941-R	(1)	2203052	
Q6066	TR	2SA1941-O	1	2203053	
Q6066 or	TR	2SA1695-O	(1)	2202513	
Q6066 or	TR	2SA1695-P	(1)	2202516	
Q6066 or	TR	2SA1941-R	(1)	2203052	
[CHASSIS SCREW]					
A003	BOTTOM LEG	phi48(313)	4	27175472	
A005	CUSHION	(ZUL) phi20 x phi8	4	28141900	
A099	LABEL	(SP)609	1	29391541	
A101	REAR PANEL	HTR592DC	1	27124483A	N
[CABINET]					

A201	F PANEL	HTR592(B)DC	1	27213637B	N
A202	CLEAR PLT	HTR492(B)D	1	28192399	N
A205	BADGE		1	28135317	
A211	KNOB	(TONE)(B)	1	28326912	
A212	KNOB	(INP)(B)	1	28326908B	
A213	KNOB	(SEL)	1	28326906A	
A214	KNOB	(INP-LR)(B)	2	28326910B	
A225	KNOB	(STBY)(B)	1	28326904	
A227	KNOB	(CUR)	1	28326907B	
A701	KNOB	(VOL)AS(B)	1	28326914	
A709	COVER	(B) (Bent)	1	28210089A	
A709	COVER	(B) (Not Bent)	1	28210089AZ	
A721	LABEL	HOOKUP-ONKYO	1	29363194	
A723	LABEL	(COVER)	1	29390767	
[TRANS COIL]					
T901	P TRANS	NPT-1629D	1	2302067	!
[SW TRM]					
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	8A-UL/T-233	1	252329GR	!
F901 or	FUSE	8A-T/UL-ST2	(1)	252261GR	!
P701	FFC	NCFC5-232212	1	2045232212	
P8001	FFC	NCFC5-291022	1	2045291022	
P901	AC CORD	AS-UC-2	1	253368AYUN	!
P901 or	AC CORD	AS-UC-2	(1)	253368BLTK	!
[TUNER UNIT]					
U001	U0010, U0011, U0012, U0014	BAAF-1310-1C * (Parent)	1	1B288510-1C	MDC
U0010	AUDIO(AMP/ASP) PC BOARD AS	BAAF-1310-1C (Child)	1	1B2885310-1C	
U0011	THERMAL SENSOR PC BOARD AS	BAETC-1311-1C (Child)	1	1B2885311-1C	
U0012	FIX(SENSOR) PC BOARD AS	BAETC-1312-1C (Child)	1	1B2885312-1C	
U0014	TERMINAL(TRANS.) PC BOARD AS	BAETC-1314-1C (Child)	1	1B2885314-1C	
U003	U0030, U0031	BACLA-1318-1A * (Parent)	1	1B288518-1A	MDC
U0030	AMP(CLASS A) PC BOARD AS	BACLA-1318-1A (Child)	1	1B2885318-1A	
U0031	FIX(FFC) PC BOARD AS	BAETC-1319-1A (Child)	1	1B2885319-1A	
U004	U0040, U0041	BATRM-1089-2C * (Parent)	1	1B288589-2C	MDC
U0040	TERMINAL(SPEAKER) PC BOARD AS	BATRM-1089-2C (Child)	1	1B2885089-2C	
U0041	TERMINAL(DIGITAL) PC BOARD AS	BAETC-1091-2C (Child)	1	1B2885091-2C	
U006	U0060, U0061, U0062, U0063, U0064, U0065	BADIS-1370-1C * (Parent)	1	1B288570-1C	MDC
U0060	DISPLAY PC BOARD AS	BADIS-1370-1C (Child)	1	1B2885370-1C	
U0061	SWITCH(LED) PC BOARD AS	BADIS-1371-1C (Child)	1	1B2885371-1C	
U0062	VIDEO PC BOARD AS	BAVD-1372-1C (Child)	1	1B2885372-1C	
U0063	POWER SUPPLY(PRI) PC BOARD AS	BAETC-1373-1C (Child)	1	1B2885373-1C	
U0064	PHONE JACK PC BOARD AS	BAETC-1374-1C (Child)	1	1B2885374-1C	
U0065	CONNECTOR(FFC-SOCKET) PC BOARD AS	BAETC-1379-1C (Child)	1	1B2885379-1C	
U008	U0080	BAHDM-1337-1A * (Parent)	1	1B288537-1A	MDC
U0080	PROCESSING PC BOARD AS	BAHDM-1337-1A (Child)	1	1B2885337-1A	
U009	TUNER UNIT	FAEH08-W01	1	240169A	

HT-R592 C(B)MDC**PACKING PROCEDURES PARTS LIST**

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[PACKING]					
A801	PAD	(AS)HTR390	1	29092582A	
A801A	PAD	(L)HTR390	{ 1}	29092583A	
A801B	PAD	(R)HTR390	{ 1}	29092584A	
A803	POLY BAG	w850xd650	1	29100245	
A805	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A807	SHEET	T0.5 x 600 x 500	1	29096097	
A809	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A812	POLY BAG	w250xd350	1	29100250A	
A813	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A814A	LABEL	(DES)HTR592BMDC	{ 1}	29392244	N

HT-R592 C(B)MDC**PC BOARD PARTS LIST**

U001		BAAF-1310-1C		: NSP	
CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[SEMI CONDUCTOR]					
D4173	ZENER D	DZ2J068MOL	1	224760680R2	

D4173 or	ZENER D	UDZS6.8B	(1)	224550680R2
D4174	ZENER D	DZ2J068M0L	1	224760680R2
D4174 or	ZENER D	UDZS6.8B	(1)	224550680R2
D4207	C-DIODE	DA2J10100	1	223303R2
D4207 or	C-DIODE	1SS352	(1)	223234R2
D4208	C-DIODE	DA2J10100	1	223303R2
D4208 or	C-DIODE	1SS352	(1)	223234R2
D4217	C-DIODE	DA2J10100	1	223303R2
D4217 or	C-DIODE	1SS352	(1)	223234R2
D4218	C-DIODE	DA2J10100	1	223303R2
D4218 or	C-DIODE	1SS352	(1)	223234R2
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
D4400	ZENER D	DZ2J056M0L	1	224760560R2
D4400 or	ZENER D	UDZS5.6B	(1)	224550560R2
D6000	C-DIODE	DA2J10100	1	223303R2
D6000 or	C-DIODE	1SS352	(1)	223234R2
D6001	C-DIODE	DA2J10100	1	223303R2
D6001 or	C-DIODE	1SS352	(1)	223234R2
D6002	C-DIODE	DA2J10100	1	223303R2
D6002 or	C-DIODE	1SS352	(1)	223234R2
D6003	C-DIODE	DA2J10100	1	223303R2
D6003 or	C-DIODE	1SS352	(1)	223234R2
D6004	C-DIODE	DA2J10100	1	223303R2
D6004 or	C-DIODE	1SS352	(1)	223234R2
D6005	C-DIODE	DA2J10100	1	223303R2
D6005 or	C-DIODE	1SS352	(1)	223234R2
D6006	C-DIODE	DA2J10100	1	223303R2
D6006 or	C-DIODE	1SS352	(1)	223234R2
D6401	DIODE	TS10B06G-07	1	22380379
D6401B	SCREW	3P+10FN(3BC)	1	82143010GR
D6402	C-DIODE	DA2J10100	1	223303R2
D6402 or	C-DIODE	1SS352	(1)	223234R2
D6451	C-DIODE	DA2J10100	1	223303R2
D6451 or	C-DIODE	1SS352	(1)	223234R2
D6452	C-DIODE	DA2J10100	1	223303R2
D6452 or	C-DIODE	1SS352	(1)	223234R2
D6455	ZENER D	DZ2J033M0L	1	224760330R2
D6455 or	ZENER D	UDZS3.3B	(1)	224550330R2
Q4001	IC	R2A15218FP	1	22242605R3
Q4003	IC	NJM4580M-D	1	22241448R2
Q4100	TR	RN1441	1	2215410R2
Q4100 or	TR	RTAN430C-T112-1	(1)	2217780R2
Q4101	TR	RN1441	1	2215410R2
Q4101 or	TR	RTAN430C-T112-1	(1)	2217780R2
Q4102	TR	RN1441	1	2215410R2
Q4102 or	TR	RTAN430C-T112-1	(1)	2217780R2
Q4103	TR	RN1441	1	2215410R2
Q4103 or	TR	RTAN430C-T112-1	(1)	2217780R2
Q4104	TR	RN1441	1	2215410R2
Q4104 or	TR	RTAN430C-T112-1	(1)	2217780R2
Q4105	TR	RN1441	1	2215410R2
Q4105 or	TR	RTAN430C-T112-1	(1)	2217780R2
Q4106	TR	RN1441	1	2215410R2
Q4106 or	TR	RTAN430C-T112-1	(1)	2217780R2
Q4107	TR	RN1441	1	2215410R2
Q4107 or	TR	RTAN430C-T112-1	(1)	2217780R2
Q4117	TR	RN1441	1	2215410R2
Q4117 or	TR	RTAN430C-T112-1	(1)	2217780R2
Q4130	IC	NJM4580M-D	1	22241448R2
Q4140	IC	NJM4580M-D	1	22241448R2
Q4142	IC	NJM4580M-D	1	22241448R2
Q4143	IC	NJM4580M-D	1	22241448R2
Q4145	IC	NJM4580M-D	1	22241448R2
Q4170	IC	78M15HF(NJM78M15FA)	1	222780155JRC
Q4170 or	IC	UPC78M15AHF-AZ	(1)	222780155NEC
Q4170A	HEAT SINK	RAD-196	1	27160545
Q4170B	SCREW	3P+10FN(3BC)	1	82143010GR
Q4171	IC	79M15HF(NJM79M15FA)	1	222790155JRC
Q4171 or	IC	UPC79M15HF-AZ	(1)	222790155NEC
Q4171B	SCREW	3P+10FN(3BC)	1	82143010GR
Q4302	TR	RN1441	1	2215410R2

Q4302 or	TR	RTAN430C-T112-1	(1)	2217780R2
Q4303	TR	RN1441	1	2215410R2
Q4303 or	TR	RTAN430C-T112-1	(1)	2217780R2
Q4400	TR	2SC2881-Y(TE12L,CF)	1	2217564R2
Q6000	TR	2SC2412K-R	1	2214653R2
Q6000 or	TR	KTC3875-GR	(1)	2216175R2
Q6001	TR	2SC2412K-R	1	2214653R2
Q6001 or	TR	KTC3875-GR	(1)	2216175R2
Q6002	TR	2SC2412K-R	1	2214653R2
Q6002 or	TR	KTC3875-GR	(1)	2216175R2
Q6003	TR	2SC2412K-R	1	2214653R2
Q6003 or	TR	KTC3875-GR	(1)	2216175R2
Q6004	TR	2SC2412K-R	1	2214653R2
Q6004 or	TR	KTC3875-GR	(1)	2216175R2
Q6005	TR	2SC2412K-R	1	2214653R2
Q6005 or	TR	KTC3875-GR	(1)	2216175R2
Q6006	TR	2SC2412K-R	1	2214653R2
Q6006 or	TR	KTC3875-GR	(1)	2216175R2
Q6070	TR	INC6006AP1-T111	1	2217990R2
Q6070 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2
Q6071	TR	INC6006AP1-T111	1	2217990R2
Q6071 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2
Q6072	TR	INC6006AP1-T111	1	2217990R2
Q6072 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2
Q6073	TR	INC6006AP1-T111	1	2217990R2
Q6073 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2
Q6074	TR	INC6006AP1-T111	1	2217990R2
Q6074 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2
Q6075	TR	INC6006AP1-T111	1	2217990R2
Q6075 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2
Q6076	TR	INC6006AP1-T111	1	2217990R2
Q6076 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2
Q6300	IC	LM61CIZ	1	22242212
Q6300A	RETAINER	(PTH)	1	27141884-1
Q6401	TR	KTC3875-GR	1	2216175R2
Q6401 or	TR	2SC2712-GR	(1)	2213145R2
Q6401A	HEAT SINK	RAD-196	1	27160545
Q6451	TR	2SC2713-BL	1	2213136R2
Q6452	TR	2SC2713-BL	1	2213136R2
Q6453	TR	2SA1163-BL(TE85L_F)	1	2216756R2
Q6454	TR	2SA1163-BL(TE85L_F)	1	2216756R2
[CAPACITOR]				
C4003	UPZ C	2AUPZTF221JE	1	376332214T
C4004	UPZ C	2AUPZTF221JE	1	376332214T
C4009	C-CERA C	CG725CH1H-221J1	1	342102214R1
C4010	C-CERA C	CG725CH1H-221J1	1	342102214R1
C4013	C-CERA C	CG725CH1H-221J1	1	342102214R1
C4014	C-CERA C	CG725CH1H-221J1	1	342102214R1
C4019	UPZ C	2AUPZTF221JE	1	376332214T
C4020	UPZ C	2AUPZTF221JE	1	376332214T
C4021	C-CERA C	CG725CH1H-221J1	1	342102214R1
C4022	C-CERA C	CG725CH1H-221J1	1	342102214R1
C4025	C-CERA C	CG725CH1H-221J1	1	342102214R1
C4032	C-CERA C	CG725CH1H-221J1	1	342102214R1
C4034	C-CERA C	CG725CH1H-221J1	1	342102214R1
C4050	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4051	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4052	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4053	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4054	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4055	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4056	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4057	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4060	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4061	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4070	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C4071	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C4072	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C4073	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C4074	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C4075	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C4076	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C4077	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C4085	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4086	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4090	C-CERA C	CG725CH1H-101J1	1	342101014R1

C4091	C-CERA C	CG725CH1H-101J1	1	342101014R1
C4093	C-CERA C	CG725CH1H-220J1	1	342102204R1
C4094	C-CERA C	CG725CH1H-220J1	1	342102204R1
C4100	UTSP C	CE04W50V-47M(UTSP)	1	397584707AT
C4101	UTSP C	CE04W50V-47M(UTSP)	1	397584707AT
C4102	UTSP C	CE04W50V-47M(UTSP)	1	397584707AT
C4103	UTSP C	CE04W50V-47M(UTSP)	1	397584707AT
C4104	UTSP C	CE04W50V-47M(UTSP)	1	397584707AT
C4105	UTSP C	CE04W50V-47M(UTSP)	1	397584707AT
C4106	UTSP C	CE04W50V-47M(UTSP)	1	397584707AT
C4107	UTSP C	CE04W50V-47M(UTSP)	1	397584707AT
C4108	UTSP C	CE04W50V-47M(UTSP)	1	397584707AT
C4109	UTSP C	CE04W50V-47M(UTSP)	1	397584707AT
C4110	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C4111	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C4130	UTSP C	CE04W50V-47M(UTSP)	1	397584707AT
C4131	C-CERA C	CG725CH1H-221J1	1	342102214R1
C4132	TF C	ECQ-V50V-103J	1	374721034T
C4166	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C4167	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C4170	UTSP C	CE04W50V-10M(UTSP)	1	397581007AT
C4171	UTSP C	CE04W50V-10M(UTSP)	1	397581007AT
C4172	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C4173	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C4174	UTSP C	CE04W16V-470M(UTSP)	1	397544717T
C4175	UTSP C	CE04W16V-470M(UTSP)	1	397544717T
C4204	C-CERA C	CG725CH1H-102J1	1	342101024R1
C4205	C-CERA C	CG725CH1H-102J1	1	342101024R1
C4209	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4210	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4217	C-CERA C	CK725B1H-103K1	1	332101035R1
C4218	C-CERA C	CG725CH1H-102J1	1	342101024R1
C4300	TF C	ECQ-V50V-334J	1	374723344T
C4301	JAMICON	CE04W35V-1000M	1	398561027T
C4301 or	VR C	CE04W35V-1000M(VR)	(1)	394661027T
C4302	VR C	CE04W35V-470M(VR)	1	394664717T
C4302 or	JAMICON	CE04W35V-470M	(1)	398564717T
C4400	C-CERA C	CK725B1H-102K1	1	332101025R1
C4401	C-CERA C	CK725B1H-102K1	1	332101025R1
C4404	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4420	MKT C	B32529C0332J289	1	376493324T
C4421	MKT C	B32529C0332J289	1	376493324T
C4422	MKT C	B32529C0332J289	1	376493324T
C4423	MKT C	B32529C0332J289	1	376493324T
C4424	MKT C	B32529C0332J289	1	376493324T
C4425	MKT C	B32529C0332J289	1	376493324T
C4426	MKT C	B32529C0332J289	1	376493324T
C4427	MKT C	B32529C0332J289	1	376493324T
C4430	UPZ C	2AUPZTF221JE	1	376332214T
C4431	UPZ C	2AUPZTF221JE	1	376332214T
C4432	UPZ C	2AUPZTF221JE	1	376332214T
C4433	C-CERA C	CG725CH1H-151J1	1	342101514R1
C4434	C-CERA C	CG725CH1H-151J1	1	342101514R1
C4435	C-CERA C	CG725CH1H-151J1	1	342101514R1
C4436	C-CERA C	CG725CH1H-151J1	1	342101514R1
C4437	MKT C	B32529C0102J289	1	376491024T
C4466	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4522	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4525	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4527	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C6050	TF C	ECQ-V50V-103J	1	374721034T
C6051	TF C	ECQ-V50V-103J	1	374721034T
C6052	TF C	ECQ-V50V-103J	1	374721034T
C6053	TF C	ECQ-V50V-103J	1	374721034T
C6054	TF C	ECQ-V50V-103J	1	374721034T
C6055	TF C	ECQ-V50V-103J	1	374721034T
C6056	TF C	ECQ-V50V-103J	1	374721034T
C6250	TF C	ECQ-V50V-473J	1	374724734T
C6251	TF C	ECQ-V50V-473J	1	374724734T
C6252	TF C	ECQ-V50V-473J	1	374724734T
C6253	TF C	ECQ-V50V-473J	1	374724734T
C6254	TF C	ECQ-V50V-473J	1	374724734T
C6255	TF C	ECQ-V50V-473J	1	374724734T
C6256	TF C	ECQ-V50V-473J	1	374724734T
C6301	C-CERA C	CK725F1E-104Z1	1	332161040R1
C6401	ELECT C	CE69W63V-8200MA	1	3504419

C6401 or	ELECT C	CE69W63V-8200MB	(1)	3504420
C6402	ELECT C	CE69W63V-8200MA	1	3504419
C6402 or	ELECT C	CE69W63V-8200MB	(1)	3504420
C6403	TF C	ECQ-V100V-334J	1	374733344T
C6404	TF C	ECQ-V100V-334J	1	374733344T
C6411	C-CERA C	CC725CH1H-102J1	1	342101024R1
C6451	UTSP C	CE04W25V-100M(UTSP)	1	397551017AT
C6452	C-CERA C	CK725F1E-104Z1	1	332161040R1
C6453	UTSP C	CE04W50V-1M(UTSP)	1	397580107AT
C6454	UTSP C	CE04W50V-1M(UTSP)	1	397580107AT
C6455	C-CERA C	CK725F1E-104Z1	1	332161040R1
C6456	UTSP C	CE04W50V-10M(UTSP)	1	397581007AT
[RESISTOR]				
R4003	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4004	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4009	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4010	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4013	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4014	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4015	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4016	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4017	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4018	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4019	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4020	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4025	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4026	C-CARBON R	RN72K1J-101JE	1	435031014R1
R4032	C-CARBON R	RN72K1J-101JE	1	435031014R1
R4034	C-CARBON R	RN72K1J-101JE	1	435031014R1
R4043	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4044	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4049	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4050	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4053	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4054	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4055	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4056	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4057	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4058	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4059	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4060	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4069	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4072	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4074	C-CARBON R	RN72K1J-223JE	1	435032234R1
R4078	C-CARBON R	RN72K1J-473JE	1	435034734R1
R4079	C-CARBON R	RN72K1J-473JE	1	435034734R1
R4082	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4087	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4088	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4090	C-CARBON R	RN72K1J-123JE	1	435031234R1
R4091	C-CARBON R	RN72K1J-223JE	1	435032234R1
R4092	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4093	C-CARBON R	RN72K1J-332JE	1	435033324R1
R4094	C-CARBON R	RN72K1J-103JE	1	435031034R1
R4095	C-CARBON R	RN72K1J-103JE	1	435031034R1
R4096	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4097	C-CARBON R	RN72K1J-332JE	1	435033324R1
R4098	C-CARBON R	RN72K1J-123JE	1	435031234R1
R4099	C-CARBON R	RN72K1J-223JE	1	435032234R1
R4100	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4101	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4102	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4103	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4104	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4105	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4106	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4107	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4110	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4111	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4112	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4113	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4114	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4115	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4116	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4117	C-CARBON R	RN72K1J-271JE	1	435032714R1
R4120	C-CARBON R	RN72K1J-000JE	1	435030004R1

R4121	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4122	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4123	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4124	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4125	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4126	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4127	C-CARBON R	RN72K1J-101JE	1	435031014R1
R4130	C-CARBON R	RN72K1J-221JE	1	435032214R1
R4131	C-CARBON R	RN72K1J-473JE	1	435034734R1
R4132	C-CARBON R	RN72K1J-153JE	1	435031534R1
R4133	C-CARBON R	RN72K1J-122JE	1	435031224R1
R4134	C-CARBON R	RN72K1J-103JE	1	435031034R1
R4160	METAL R	RNU1WCJ-0.22	1	453632294T
R4161	METAL R	RNU1WCJ-0.22	1	453632294T
R4166	C-CARBON R	RN72K1J-220JE	1	435032204R1
R4167	C-CARBON R	RN72K1J-220JE	1	435032204R1
R4174	METAL O R	RS1WBJ-68	1	443626804T
R4175	METAL O R	RS1WBJ-68	1	443626804T
R4176	METAL O R	RS1WBJ-47	1	443624704T
R4177	METAL O R	RS1WBJ-47	1	443624704T
R4180	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4181	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4182	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4185	METAL R	RNU1WCJ-4.7	1	453630474T
R4187	METAL O R	RS1WBJ-10	1	443621004T
R4189	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4190	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4198	C-CARBON R	RN72K1J-220JE	1	435032204R1
R4199	C-CARBON R	RN72K1J-220JE	1	435032204R1
R4211	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4213	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4225	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4226	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4230	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4289	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4292	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4293	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4294	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4295	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4296	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4302	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4303	C-CARBON R	RN72K1J-000JE	1	435030004R1
R4308	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4309	C-CARBON R	RN72K1J-222JE	1	435032224R1
R4400	C-CARBON R	RN72K1J-102JE	1	435031024R1
R4401	C-CARBON R	RN72K1J-102JE	1	435031024R1
R4402	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4403	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4404	C-CARBON R	RN72K1J-681JE	1	435036814R1
R4405	METAL O R	RS1WBJ-100	1	443621014T
R4406	C-CARBON R	RN72K1J-681JE	1	435036814R1
R4407	C-CARBON R	RN72K1J-333JE	1	435033334R1
R4420	C-CARBON R	RN72K1J-472JE	1	435034724R1
R4421	C-CARBON R	RN72K1J-472JE	1	435034724R1
R4422	C-CARBON R	RN72K1J-472JE	1	435034724R1
R4423	C-CARBON R	RN72K1J-472JE	1	435034724R1
R4424	C-CARBON R	RN72K1J-472JE	1	435034724R1
R4425	C-CARBON R	RN72K1J-472JE	1	435034724R1
R4426	C-CARBON R	RN72K1J-472JE	1	435034724R1
R4427	C-CARBON R	RN72K1J-472JE	1	435034724R1
R4430	C-CARBON R	RN72K1J-153JE	1	435031534R1
R4431	C-CARBON R	RN72K1J-153JE	1	435031534R1
R4432	C-CARBON R	RN72K1J-153JE	1	435031534R1
R4433	C-CARBON R	RN72K1J-153JE	1	435031534R1
R4434	C-CARBON R	RN72K1J-153JE	1	435031534R1
R4435	C-CARBON R	RN72K1J-153JE	1	435031534R1
R4436	C-CARBON R	RN72K1J-153JE	1	435031534R1
R4437	C-CARBON R	RN72K1J-153JE	1	435031534R1
R4440	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4441	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4442	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4443	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4444	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4445	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4446	C-CARBON R	RN72K1J-331JE	1	435033314R1
R4447	C-CARBON R	RN72K1J-331JE	1	435033314R1

R4450	C-CARBON R	RN72K1J-561JE	1	435035614R1
R4451	C-CARBON R	RN72K1J-561JE	1	435035614R1
R4452	C-CARBON R	RN72K1J-561JE	1	435035614R1
R4453	C-CARBON R	RN72K1J-561JE	1	435035614R1
R4454	C-CARBON R	RN72K1J-561JE	1	435035614R1
R4455	C-CARBON R	RN72K1J-561JE	1	435035614R1
R4456	C-CARBON R	RN72K1J-561JE	1	435035614R1
R4457	C-CARBON R	RN72K1J-561JE	1	435035614R1
R4522	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4525	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4526	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4527	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4546	C-CARBON R	RN72K1J-224JE	1	435032244R1
R4547	C-CARBON R	RN72K1J-224JE	1	435032244R1
R6020	C-CARBON R	RN72K1J-561JE	1	435035614R1
R6021	C-CARBON R	RN72K1J-561JE	1	435035614R1
R6022	C-CARBON R	RN72K1J-561JE	1	435035614R1
R6023	C-CARBON R	RN72K1J-561JE	1	435035614R1
R6024	C-CARBON R	RN72K1J-561JE	1	435035614R1
R6025	C-CARBON R	RN72K1J-561JE	1	435035614R1
R6026	C-CARBON R	RN72K1J-561JE	1	435035614R1
R6080	NF CARBON R	R25J-0.22	1	415472294T
R6081	NF CARBON R	R25J-0.22	1	415472294T
R6082	NF CARBON R	R25J-0.22	1	415472294T
R6083	NF CARBON R	R25J-0.22	1	415472294T
R6084	NF CARBON R	R25J-0.22	1	415472294T
R6085	NF CARBON R	R25J-0.22	1	415472294T
R6086	NF CARBON R	R25J-0.22	1	415472294T
R6090	NF CARBON R	R25J-0.22	1	415472294T
R6091	NF CARBON R	R25J-0.22	1	415472294T
R6092	NF CARBON R	R25J-0.22	1	415472294T
R6093	NF CARBON R	R25J-0.22	1	415472294T
R6094	NF CARBON R	R25J-0.22	1	415472294T
R6095	NF CARBON R	R25J-0.22	1	415472294T
R6096	NF CARBON R	R25J-0.22	1	415472294T
R6100	METAL PR	MPR2W+2W 0R22	1	4000234
R6101	METAL PR	MPR2W+2W 0R22	1	4000234
R6102	METAL PR	MPR2W+2W 0R22	1	4000234
R6103	METAL PR	MPR2W+2W 0R22	1	4000234
R6104	METAL PR	MPR2W+2W 0R22	1	4000234
R6105	METAL PR	MPR2W+2W 0R22	1	4000234
R6106	METAL PR	MPR2W+2W 0R22	1	4000234
R6140	C-CARBON R	RN72K1J-563JE	1	435035634R1
R6141	C-CARBON R	RN72K1J-563JE	1	435035634R1
R6142	C-CARBON R	RN72K1J-563JE	1	435035634R1
R6143	C-CARBON R	RN72K1J-563JE	1	435035634R1
R6144	C-CARBON R	RN72K1J-563JE	1	435035634R1
R6145	C-CARBON R	RN72K1J-563JE	1	435035634R1
R6146	C-CARBON R	RN72K1J-563JE	1	435035634R1
R6150	C-CARBON R	RN72K1J-103JE	1	435031034R1
R6151	C-CARBON R	RN72K1J-103JE	1	435031034R1
R6152	C-CARBON R	RN72K1J-103JE	1	435031034R1
R6153	C-CARBON R	RN72K1J-103JE	1	435031034R1
R6154	C-CARBON R	RN72K1J-103JE	1	435031034R1
R6155	C-CARBON R	RN72K1J-103JE	1	435031034R1
R6156	C-CARBON R	RN72K1J-103JE	1	435031034R1
R6160	C-CARBON R	RN72K1J-333JE	1	435033334R1
R6161	C-CARBON R	RN72K1J-333JE	1	435033334R1
R6162	C-CARBON R	RN72K1J-333JE	1	435033334R1
R6163	C-CARBON R	RN72K1J-333JE	1	435033334R1
R6164	C-CARBON R	RN72K1J-333JE	1	435033334R1
R6165	C-CARBON R	RN72K1J-333JE	1	435033334R1
R6166	C-CARBON R	RN72K1J-333JE	1	435033334R1
R6170	C-CARBON R	RN72K1J-473JE	1	435034734R1
R6171	C-CARBON R	RN72K1J-473JE	1	435034734R1
R6172	C-CARBON R	RN72K1J-473JE	1	435034734R1
R6173	C-CARBON R	RN72K1J-473JE	1	435034734R1
R6174	C-CARBON R	RN72K1J-473JE	1	435034734R1
R6175	C-CARBON R	RN72K1J-473JE	1	435034734R1
R6176	C-CARBON R	RN72K1J-473JE	1	435034734R1
R6180	C-CARBON R	RN72K1J-473JE	1	435034734R1
R6181	C-CARBON R	RN72K1J-473JE	1	435034734R1
R6182	C-CARBON R	RN72K1J-473JE	1	435034734R1
R6183	C-CARBON R	RN72K1J-473JE	1	435034734R1
R6184	C-CARBON R	RN72K1J-473JE	1	435034734R1
R6185	C-CARBON R	RN72K1J-473JE	1	435034734R1

R6186	C-CARBON R	RN72K1J-473JE	1	435034734R1	
R6191	C-CARBON R	RN72K1J-000JE	1	435030004R1	
R6200	C-CARBON R	RN72K1J-562JE	1	435035624R1	
R6201	C-CARBON R	RN72K1J-562JE	1	435035624R1	
R6202	C-CARBON R	RN72K1J-562JE	1	435035624R1	
R6203	C-CARBON R	RN72K1J-562JE	1	435035624R1	
R6204	C-CARBON R	RN72K1J-562JE	1	435035624R1	
R6205	C-CARBON R	RN72K1J-562JE	1	435035624R1	
R6206	C-CARBON R	RN72K1J-562JE	1	435035624R1	
R6210	C-CARBON R	RN72K1J-472JE	1	435034724R1	
R6211	C-CARBON R	RN72K1J-472JE	1	435034724R1	
R6212	C-CARBON R	RN72K1J-472JE	1	435034724R1	
R6213	C-CARBON R	RN72K1J-472JE	1	435034724R1	
R6214	C-CARBON R	RN72K1J-472JE	1	435034724R1	
R6215	C-CARBON R	RN72K1J-472JE	1	435034724R1	
R6216	C-CARBON R	RN72K1J-472JE	1	435034724R1	
R6230	C-CARBON R	RN72K1J-471JE	1	435034714R1	
R6231	C-CARBON R	RN72K1J-471JE	1	435034714R1	
R6232	C-CARBON R	RN72K1J-471JE	1	435034714R1	
R6233	C-CARBON R	RN72K1J-471JE	1	435034714R1	
R6234	C-CARBON R	RN72K1J-471JE	1	435034714R1	
R6235	C-CARBON R	RN72K1J-471JE	1	435034714R1	
R6236	C-CARBON R	RN72K1J-471JE	1	435034714R1	
R6401	METAL R	RNU1/2WCJ-0.1	1	453531094T	
R6402	C-CARBON R	RN72K1J-102JE	1	435031024R1	
R6403	C-CARBON R	RN72K1J-473JE	1	435034734R1	
R6440	METAL R	RNU1WCJ-8.2	1	453630824T	
R6441	METAL R	RNU1WCJ-8.2	1	453630824T	
R6442	METAL R	RNU1WCJ-8.2	1	453630824T	
R6443	METAL R	RNU1WCJ-8.2	1	453630824T	
R6444	METAL R	RNU1WCJ-8.2	1	453630824T	
R6445	METAL R	RNU1WCJ-8.2	1	453630824T	
R6446	METAL R	RNU1WCJ-8.2	1	453630824T	
R6451	C-CARBON R	RN72K1J-333JE	1	435033334R1	
R6452	C-CARBON R	RN72K1J-103JE	1	435031034R1	
R6453	C-CARBON R	RN72K1J-223JE	1	435032234R1	
R6454	C-CARBON R	RN72K1J-473JE	1	435034734R1	
R6455	C-CARBON R	RN72K1J-103JE	1	435031034R1	
R6456	C-CARBON R	RN72K1J-223JE	1	435032234R1	
R6457	C-CARBON R	RN72K1J-223JE	1	435032234R1	
R6458	C-CARBON R	RN72K1J-562JE	1	435035624R1	
R6459	C-CARBON R	RN72K1J-562JE	1	435035624R1	
R6460	C-CARBON R	RN72K1J-473JE	1	435034734R1	
[SW TRM]					
F6401A	FUSE HOL	NSCT-1P2031	1	25052133T	!
F6401B	FUSE HOL	NSCT-1P2031	1	25052133T	!
F6402A	FUSE HOL	NSCT-1P2031	1	25052133T	!
F6402B	FUSE HOL	NSCT-1P2031	1	25052133T	!
JL6101	WS CLAMP	CB-71683(L=50)	1	260261	
JL6102	HOLDER	HOLDER(CLAMP)	1	27190540-1	
JL6103	HOLDER	HOLDER(CLAMP)	1	27190540-1	
JL6104	HOLDER	HOLDER(CLAMP)	1	27190540-1	
JL6106	HOLDER	HOLDER(CLAMP)	1	27190540-1	
P101B	SOCKET	NSCT-9P2102	1	25052205	
P4002	PIN JACK	NPJ-4PDWR690	1	25045922	
P4003	PIN JACK	NPJ-4PDW WRR624	1	25045845	
P4004	PIN JACK	NPJ-4PDW WRR624	1	25045845	
P4008	PIN JACK	NPJ-2PDW R558	1	25045776	
P4010	PIN JACK	NPJ-1PDP555	1	25045773	
P501	SOCKET AS	NSAS-3P2094	1	2009991283UL	N
P501A	WIRE HOL	NSCT-3P874	1	25051087	
P5502B	PLUG	NPLG-20P0975	1	25056025	
P5503B	PLUG	NPLG-7P0962	1	25056012	
P5504B	PLUG	NPLG-13P0968	1	25056018	
P5506B	TRM	NTM-1P232(M1700)	1	25060301	
P5507A	TRM	NTM-1P232(M1700)	1	25060301	
P5508	TRM-423(SCREW)	NEJITANSI ST3	1	25060495	
P5509A	TRM	NTM-1P232(M1700)	1	25060301	
P5510B	TRM	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	
P6005B	PLUG	NPLG-9P0964	1	25056014	
P6006B	PLUG	NPLG-9P0964	1	25056014	
P6013B	PLUG	NPLG-9P0964	1	25056014	

P603	SOCKET AS	NSAS-9P2223	1	2009991412UL	N
P603A	WIRE HOL	NSCT-9P900	1	25051113	
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	
P6085	PLUG	NPLG-2P29	1	25055038	
P6086	PLUG	NPLG-2P29	1	25055038	
P6400B	CRIMP AS	CRIMP AS	1	20799165UL	
P6401A	CRIMP AS	CRIMP AS	1	2069925162UL	
P6402A	CRIMP AS	CRIMP AS	1	2069925199UL	
P6403B	CRIMP AS	CRIMP AS	1	20799163UL	
P6404B	CRIMP AS	CRIMP AS	1	20799164UL	
P6600	SOCKET AS	NSAS-7P2208	1	2009991397UL	N
P6600A	WIRE HOL	NSCT-7P898	1	25051111	
P951B	PLUG	NPLG-5P352	1	25055369	
P952	SOCKET AS	NSAS-3P2176	1	2009991365UL	N
P952A	WIRE HOL	NSCT-3P894	1	25051107	
P954A	WIRE HOL	NSCT-5P896	1	25051109	
P954B	WIRE HOL	NSCT-5P896	1	25051109	
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	

U003

BACLA-1318-1A

: NSP

CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[SEMI CONDUCTOR]					
D5000	ZENER D	DZ2J056M0L	1	224760560R2	
D5000 or	ZENER D	UDZS5.6B	(1)	224550560R2	
D5001	ZENER D	DZ2J056M0L	1	224760560R2	
D5001 or	ZENER D	UDZS5.6B	(1)	224550560R2	
D5002	ZENER D	DZ2J056M0L	1	224760560R2	
D5002 or	ZENER D	UDZS5.6B	(1)	224550560R2	
D5003	ZENER D	DZ2J056M0L	1	224760560R2	
D5003 or	ZENER D	UDZS5.6B	(1)	224550560R2	
D5004	ZENER D	DZ2J056M0L	1	224760560R2	
D5004 or	ZENER D	UDZS5.6B	(1)	224550560R2	
D5005	ZENER D	DZ2J056M0L	1	224760560R2	
D5005 or	ZENER D	UDZS5.6B	(1)	224550560R2	
D5006	ZENER D	DZ2J056M0L	1	224760560R2	
D5006 or	ZENER D	UDZS5.6B	(1)	224550560R2	
Q5000	TR	2SC2713-BL	1	2213136R2	
Q5001	TR	2SC2713-BL	1	2213136R2	
Q5002	TR	2SC2713-BL	1	2213136R2	
Q5003	TR	2SC2713-BL	1	2213136R2	
Q5004	TR	2SC2713-BL	1	2213136R2	
Q5005	TR	2SC2713-BL	1	2213136R2	
Q5006	TR	2SC2713-BL	1	2213136R2	
Q5010	TR	2SC2713-BL	1	2213136R2	
Q5011	TR	2SC2713-BL	1	2213136R2	
Q5012	TR	2SC2713-BL	1	2213136R2	
Q5013	TR	2SC2713-BL	1	2213136R2	
Q5014	TR	2SC2713-BL	1	2213136R2	
Q5015	TR	2SC2713-BL	1	2213136R2	
Q5016	TR	2SC2713-BL	1	2213136R2	
Q5030	TR	INA6006AP1-T111	1	2217980R2	
Q5030 or	TR	2SA1200-Y(2LONK_ZE)	(1)	2217584R2	
Q5031	TR	INA6006AP1-T111	1	2217980R2	
Q5031 or	TR	2SA1200-Y(2LONK_ZE)	(1)	2217584R2	
Q5032	TR	INA6006AP1-T111	1	2217980R2	
Q5032 or	TR	2SA1200-Y(2LONK_ZE)	(1)	2217584R2	
Q5033	TR	INA6006AP1-T111	1	2217980R2	
Q5033 or	TR	2SA1200-Y(2LONK_ZE)	(1)	2217584R2	
Q5034	TR	INA6006AP1-T111	1	2217980R2	
Q5034 or	TR	2SA1200-Y(2LONK_ZE)	(1)	2217584R2	
Q5035	TR	INA6006AP1-T111	1	2217980R2	
Q5035 or	TR	2SA1200-Y(2LONK_ZE)	(1)	2217584R2	
Q5036	TR	INA6006AP1-T111	1	2217980R2	

Q5036 or	TR	2SA1200-Y(2LONK_ZE)	(1)	2217584R2	
Q5040	TR	INC6006AP1-T111	1	2217990R2	
Q5040 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2	
Q5041	TR	INC6006AP1-T111	1	2217990R2	
Q5041 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2	
Q5042	TR	INC6006AP1-T111	1	2217990R2	
Q5042 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2	
Q5043	TR	INC6006AP1-T111	1	2217990R2	
Q5043 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2	
Q5044	TR	INC6006AP1-T111	1	2217990R2	
Q5044 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2	
Q5045	TR	INC6006AP1-T111	1	2217990R2	
Q5045 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2	
Q5046	TR	INC6006AP1-T111	1	2217990R2	
Q5046 or	TR	2SC2880-Y(2LONK_ZE)	(1)	2217594R2	
Q5050	TR	2SC2412K-R	1	2214653R2	
Q5051	TR	2SC2412K-R	1	2214653R2	
Q5052	TR	2SC2412K-R	1	2214653R2	
Q5053	TR	2SC2412K-R	1	2214653R2	
Q5054	TR	2SC2412K-R	1	2214653R2	
Q5055	TR	2SC2412K-R	1	2214653R2	
Q5056	TR	2SC2412K-R	1	2214653R2	
Q5460	TR	2SA1037AK-R	1	2217043R2	
Q5461	TR	2SA1037AK-R	1	2217043R2	
Q5462	TR	2SA1037AK-R	1	2217043R2	
Q5463	TR	2SA1037AK-R	1	2217043R2	
Q5464	TR	2SA1037AK-R	1	2217043R2	
Q5465	TR	2SA1037AK-R	1	2217043R2	
Q5466	TR	2SA1037AK-R	1	2217043R2	
Q6010	TR	2SC2412K-R	1	2214653R2	
Q6010 or	TR	KTC3875-GR	(1)	2216175R2	
Q6011	TR	2SC2412K-R	1	2214653R2	
Q6011 or	TR	KTC3875-GR	(1)	2216175R2	
Q6012	TR	2SC2412K-R	1	2214653R2	
Q6012 or	TR	KTC3875-GR	(1)	2216175R2	
Q6013	TR	2SC2412K-R	1	2214653R2	
Q6013 or	TR	KTC3875-GR	(1)	2216175R2	
Q6014	TR	2SC2412K-R	1	2214653R2	
Q6014 or	TR	KTC3875-GR	(1)	2216175R2	
Q6015	TR	2SC2412K-R	1	2214653R2	
Q6015 or	TR	KTC3875-GR	(1)	2216175R2	
Q6016	TR	2SC2412K-R	1	2214653R2	
Q6016 or	TR	KTC3875-GR	(1)	2216175R2	
Q6030	TR	2SC5171(ONK_Q)	1	2203010	
Q6031	TR	2SC5171(ONK_Q)	1	2203010	
Q6032	TR	2SC5171(ONK_Q)	1	2203010	
Q6033	TR	2SC5171(ONK_Q)	1	2203010	
Q6033 or	TR	KTD2061-Y	(1)	2203434	
Q6034	TR	2SC5171(ONK_Q)	1	2203010	
Q6034 or	TR	KTD2061-Y	(1)	2203434	
Q6035	TR	2SC5171(ONK_Q)	1	2203010	
Q6035 or	TR	KTD2061-Y	(1)	2203434	
Q6036	TR	2SC5171(ONK_Q)	1	2203010	
Q6036 or	TR	KTD2061-Y	(1)	2203434	
Q6040	TR	2SA1930(ONK_Q)	1	2203000	
Q6041	TR	2SA1930(ONK_Q)	1	2203000	
Q6042	TR	2SA1930(ONK_Q)	1	2203000	
Q6043	TR	2SA1930(ONK_Q)	1	2203000	
Q6043 or	TR	KTB1369-Y	(1)	2203424	
Q6044	TR	2SA1930(ONK_Q)	1	2203000	
Q6044 or	TR	KTB1369-Y	(1)	2203424	
Q6045	TR	2SA1930(ONK_Q)	1	2203000	
Q6045 or	TR	KTB1369-Y	(1)	2203424	
Q6046	TR	2SA1930(ONK_Q)	1	2203000	
Q6046 or	TR	KTB1369-Y	(1)	2203424	
[CAPACITOR]					
C5000	UPZ C	2AUPZTF221JE	1	376332214T	
C5001	UPZ C	2AUPZTF221JE	1	376332214T	
C5002	UPZ C	2AUPZTF221JE	1	376332214T	
C5003	UPZ C	2AUPZTF221JE	1	376332214T	
C5004	UPZ C	2AUPZTF221JE	1	376332214T	
C5005	UPZ C	2AUPZTF221JE	1	376332214T	
C5006	UPZ C	2AUPZTF221JE	1	376332214T	
C5010	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT	
C5011	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT	
C5012	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT	

C5013	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C5014	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C5015	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C5016	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C5020	UTSP C	CE04W50V-10M(UTSP)	1	397581007AT
C5021	UTSP C	CE04W50V-10M(UTSP)	1	397581007AT
C5022	UTSP C	CE04W50V-10M(UTSP)	1	397581007AT
C5023	UTSP C	CE04W50V-10M(UTSP)	1	397581007AT
C5024	UTSP C	CE04W50V-10M(UTSP)	1	397581007AT
C5025	UTSP C	CE04W50V-10M(UTSP)	1	397581007AT
C5026	UTSP C	CE04W50V-10M(UTSP)	1	397581007AT
C5040	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C5041	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C5042	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C5043	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C5044	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C5045	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C5046	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
C5050	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C5051	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C5052	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C5053	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C5054	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C5055	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C5056	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C5080	CERA C	CC45SL50V-040C	1	345020401T
C5081	CERA C	CC45SL50V-040C	1	345020401T
C5082	CERA C	CC45SL50V-040C	1	345020401T
C5083	CERA C	CC45SL50V-040C	1	345020401T
C5084	CERA C	CC45SL50V-040C	1	345020401T
C5085	CERA C	CC45SL50V-040C	1	345020401T
C5086	CERA C	CC45SL50V-040C	1	345020401T
C5090	UPZ C	2AUPZTF101JE	1	376331014T
C5091	UPZ C	2AUPZTF101JE	1	376331014T
C5092	UPZ C	2AUPZTF101JE	1	376331014T
C5093	UPZ C	2AUPZTF101JE	1	376331014T
C5094	UPZ C	2AUPZTF101JE	1	376331014T
C5095	UPZ C	2AUPZTF101JE	1	376331014T
C5096	UPZ C	2AUPZTF101JE	1	376331014T
C5100	VR C	CE04W100V-22M(VR)	1	394692207T
C5101	VR C	CE04W100V-22M(VR)	1	394692207T
C5102	VR C	CE04W100V-22M(VR)	1	394692207T
C5103	VR C	CE04W100V-22M(VR)	1	394692207T
C5104	VR C	CE04W100V-22M(VR)	1	394692207T
C5105	VR C	CE04W100V-22M(VR)	1	394692207T
C5106	VR C	CE04W100V-22M(VR)	1	394692207T
C5110	VR C	CE04W100V-22M(VR)	1	394692207T
C5111	VR C	CE04W100V-22M(VR)	1	394692207T
C5112	VR C	CE04W100V-22M(VR)	1	394692207T
C5113	VR C	CE04W100V-22M(VR)	1	394692207T
C5114	VR C	CE04W100V-22M(VR)	1	394692207T
C5115	VR C	CE04W100V-22M(VR)	1	394692207T
C5116	VR C	CE04W100V-22M(VR)	1	394692207T
C6040	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C6041	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C6042	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C6043	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C6044	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C6045	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
C6046	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT
[RESISTOR]				
R5000	C-CARBON R	RN72K1J-222JE	1	435032224R1
R5001	C-CARBON R	RN72K1J-222JE	1	435032224R1
R5002	C-CARBON R	RN72K1J-222JE	1	435032224R1
R5003	C-CARBON R	RN72K1J-222JE	1	435032224R1
R5004	C-CARBON R	RN72K1J-222JE	1	435032224R1
R5005	C-CARBON R	RN72K1J-222JE	1	435032224R1
R5006	C-CARBON R	RN72K1J-222JE	1	435032224R1
R5010	C-CARBON R	RN72K1J-563JE	1	435035634R1
R5011	C-CARBON R	RN72K1J-563JE	1	435035634R1
R5012	C-CARBON R	RN72K1J-563JE	1	435035634R1
R5013	C-CARBON R	RN72K1J-563JE	1	435035634R1
R5014	C-CARBON R	RN72K1J-563JE	1	435035634R1
R5015	C-CARBON R	RN72K1J-563JE	1	435035634R1
R5016	C-CARBON R	RN72K1J-563JE	1	435035634R1
R5020	C-CARBON R	RN72K1J-331JE	1	435033314R1

R5160	NF CARBON R	R25J-220	1	415472214T	
R5161	NF CARBON R	R25J-220	1	415472214T	
R5162	NF CARBON R	R25J-220	1	415472214T	
R5163	NF CARBON R	R25J-220	1	415472214T	
R5164	NF CARBON R	R25J-220	1	415472214T	
R5165	NF CARBON R	R25J-220	1	415472214T	
R5166	NF CARBON R	R25J-220	1	415472214T	
R5170	NF CARBON R	R25J-220	1	415472214T	
R5171	NF CARBON R	R25J-220	1	415472214T	
R5172	NF CARBON R	R25J-220	1	415472214T	
R5173	NF CARBON R	R25J-220	1	415472214T	
R5174	NF CARBON R	R25J-220	1	415472214T	
R5175	NF CARBON R	R25J-220	1	415472214T	
R5176	NF CARBON R	R25J-220	1	415472214T	
R5180	NF CARBON R	R25J-10	1	415471004T	
R5181	NF CARBON R	R25J-10	1	415471004T	
R5182	NF CARBON R	R25J-10	1	415471004T	
R5183	NF CARBON R	R25J-10	1	415471004T	
R5184	NF CARBON R	R25J-10	1	415471004T	
R5185	NF CARBON R	R25J-10	1	415471004T	
R5186	NF CARBON R	R25J-10	1	415471004T	
R5190	NF CARBON R	R25J-10	1	415471004T	
R5191	NF CARBON R	R25J-10	1	415471004T	
R5192	NF CARBON R	R25J-10	1	415471004T	
R5193	NF CARBON R	R25J-10	1	415471004T	
R5194	NF CARBON R	R25J-10	1	415471004T	
R5195	NF CARBON R	R25J-10	1	415471004T	
R5196	NF CARBON R	R25J-10	1	415471004T	
R5200	NF CARBON R	R25J-39K	1	415473934T	N
R5201	NF CARBON R	R25J-39K	1	415473934T	N
R5202	NF CARBON R	R25J-39K	1	415473934T	N
R5203	NF CARBON R	R25J-39K	1	415473934T	N
R5204	NF CARBON R	R25J-39K	1	415473934T	N
R5205	NF CARBON R	R25J-39K	1	415473934T	N
R5206	NF CARBON R	R25J-39K	1	415473934T	N
R5290	C-CARBON R	RN72K1J-103JE	1	435031034R1	
R5291	C-CARBON R	RN72K1J-103JE	1	435031034R1	
R5292	C-CARBON R	RN72K1J-103JE	1	435031034R1	
R5293	C-CARBON R	RN72K1J-103JE	1	435031034R1	
R5294	C-CARBON R	RN72K1J-103JE	1	435031034R1	
R5295	C-CARBON R	RN72K1J-103JE	1	435031034R1	
R5296	C-CARBON R	RN72K1J-103JE	1	435031034R1	
R5300	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5301	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5302	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5303	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5304	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5305	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5306	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5310	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5311	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5312	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5313	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5314	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5315	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5316	C-CARBON R	RN72K1J-151JE	1	435031514R1	
R5390	C-CARBON R	RN72K1J-121JE	1	435031214R1	
R5391	C-CARBON R	RN72K1J-121JE	1	435031214R1	
R5392	C-CARBON R	RN72K1J-121JE	1	435031214R1	
R5393	C-CARBON R	RN72K1J-121JE	1	435031214R1	
R5394	C-CARBON R	RN72K1J-121JE	1	435031214R1	
R5395	C-CARBON R	RN72K1J-121JE	1	435031214R1	
R5396	C-CARBON R	RN72K1J-121JE	1	435031214R1	
R6020	NF CARBON R	R25J-2.2	1	415470224T	
R6021	NF CARBON R	R25J-2.2	1	415470224T	
R6022	NF CARBON R	R25J-2.2	1	415470224T	
R6023	NF CARBON R	R25J-2.2	1	415470224T	
R6024	NF CARBON R	R25J-2.2	1	415470224T	
R6025	NF CARBON R	R25J-2.2	1	415470224T	
R6026	NF CARBON R	R25J-2.2	1	415470224T	
R6040	TRIM R	N06HR1KBB	1	5211401T	
R6041	TRIM R	N06HR1KBB	1	5211401T	
R6042	TRIM R	N06HR1KBB	1	5211401T	
R6043	TRIM R	N06HR1KBB	1	5211401T	
R6044	TRIM R	N06HR1KBB	1	5211401T	
R6045	TRIM R	N06HR1KBB	1	5211401T	

[RESISTOR]

R1000	C-CARBON R	RN72K1J-331JE	1	435033314R1
R1001	C-CARBON R	RN72K1J-750JE	1	435037504R1
R1002	C-CARBON R	RN72K1J-750JE	1	435037504R1
R1003	C-CARBON R	RN72K1J-100JE	1	435031004R1
R1004	C-CARBON R	RN72K1J-100JE	1	435031004R1
R1005	C-CARBON R	RN72K1J-224JE	1	435032244R1
R1006	C-CARBON R	RN72K1J-224JE	1	435032244R1
R1007	C-CARBON R	RN72K1J-103JE	1	435031034R1
R1008	C-CARBON R	RN72K1J-103JE	1	435031034R1
R1009	C-CARBON R	RN72K1J-823JE	1	435038234R1
R1010	C-CARBON R	RN72K1J-823JE	1	435038234R1
R1011	C-CARBON R	RN72K1J-470JE	1	435034704R1
R6690	METAL O R	RS1/2WBJ-10	1	443521004T
R6691	METAL O R	RS1/2WBJ-390	1	443523914T
R6692	METAL O R	RS1/2WBJ-390	1	443523914T

[SW TRM]

JL600B	PLUG	NPLG-7P121	1	25055137
JL603B	PLUG	NPLG-9P123	1	25055139
JL604B	PLUG	NPLG-5P119	1	25055135
JL605B	PLUG	NPLG-5P119	1	25055135
P1000	ST JACK	MSJ-035-22	1	25045887
P1001	PIN JACK	NPJ-2PDOO626	1	25045847
P6601	TRM	NTM-2PDMCR400	1	25060472
P6602	TRM	NTM-4PDMNRR420	1	25060492
P6603	TRM	NTM-4PDMNRR420	1	25060492
P6604	TRM	NTM-4PDMNRR420	1	25060492
P8003B	PLUG	NPLG-9P0964	1	25056014
P8004A	SOCKET	NSCT-7P2398	1	25052501
RL660	RELAY	NRL-2P5A-DC24-129	1	25065563A
RL662	RELAY	NRL-2P5A-DC24-129	1	25065563A
RL663	RELAY	NRL-2P5A-DC24-129	1	25065563A
RL665	RELAY	NRL-2P5A-DC24-129	1	25065563A
RL667	RELAY	NRL-2P5A-DC24-129	1	25065563A

[TUNER UNIT]

U1001	PHT CP	JSR1165-001recieving	1	24120143
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U006

BADIS-1370-1C

: NSP

CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
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[SEMI CONDUCTOR]

D7002	ZENER D	DZ2J082M0L	1	224760820R2
D7002 or	ZENER D	UDZS8.2B	(1)	224550820R2
D7033	ZENER D	DZ2J039M0L	1	224760390R2
D7033 or	ZENER D	UDZS3.9B	(1)	224550390R2
D7152	LED	SLI-343Y8C-TE7	1	225490T
D7301	C-DIODE	DA2J10100	1	223303R2
D7301 or	C-DIODE	1SS352	(1)	223234R2
D7302	C-DIODE	DA2J10100	1	223303R2
D7302 or	C-DIODE	1SS352	(1)	223234R2
D7401	ZENER D	DZ2J051M0L	1	224760510R2
D7401 or	ZENER D	UDZS5.1B	(1)	224550510R2
D7411	ZENER D	DZ2J068M0L	1	224760680R2
D7411 or	ZENER D	UDZS6.8B	(1)	224550680R2
D7412	ZENER D	DZ2J068M0L	1	224760680R2
D7412 or	ZENER D	UDZS6.8B	(1)	224550680R2
D7501	C-DIODE	DA2J10100	1	223303R2
D7501 or	C-DIODE	1SS352	(1)	223234R2
D7502	C-DIODE	DA2J10100	1	223303R2
D7502 or	C-DIODE	1SS352	(1)	223234R2
D7503	C-DIODE	DA2J10100	1	223303R2
D7503 or	C-DIODE	1SS352	(1)	223234R2
D7504	C-DIODE	DA2J10100	1	223303R2
D7504 or	C-DIODE	1SS352	(1)	223234R2
D9011	DIODE	D5SBA60	1	22380070F
D9014	C-DIODE	DA2J10100	1	223303R2
D9014 or	C-DIODE	1SS352	(1)	223234R2
D9015	C-DIODE	DA2J10100	1	223303R2
D9015 or	C-DIODE	1SS352	(1)	223234R2
D9016	ZENER D	DZ2J062M0L	1	224760620R2
D9016 or	ZENER D	UDZS6.2B	(1)	224550620R2
D911	C-DIODE	DA2J10100	1	223303R2
D911 or	C-DIODE	1SS352	(1)	223234R2

D912	C-DIODE	DA2J10100	1	223303R2
D912 or	C-DIODE	1SS352	(1)	223234R2
D921	C-DIODE	DA2J10100	1	223303R2
D921 or	C-DIODE	1SS352	(1)	223234R2
D922	C-DIODE	DA2J10100	1	223303R2
D922 or	C-DIODE	1SS352	(1)	223234R2
D923	C-DIODE	DA2J10100	1	223303R2
D923 or	C-DIODE	1SS352	(1)	223234R2
D924	C-DIODE	DA2J10100	1	223303R2
D924 or	C-DIODE	1SS352	(1)	223234R2
D925	C-DIODE	DA2J10100	1	223303R2
D925 or	C-DIODE	1SS352	(1)	223234R2
D930	C-DIODE	DA2J10100	1	223303R2
D930 or	C-DIODE	1SS352	(1)	223234R2
D931	C-DIODE	DA2J10100	1	223303R2
D931 or	C-DIODE	1SS352	(1)	223234R2
D933	C-DIODE	DA2J10100	1	223303R2
D933 or	C-DIODE	1SS352	(1)	223234R2
D934	ZENER D	DZ2J047M0L	1	224760470R2
D934 or	ZENER D	UDZS4.7B	(1)	224550470R2
D935	C-DIODE	DA2J10100	1	223303R2
D935 or	C-DIODE	1SS352	(1)	223234R2
D960	DIODE	RL1N4003	1	22380260T
D961	DIODE	RL1N4003	1	22380260T
D962	ZENER D	DZ2J360M0L	1	224763600R2
D962 or	ZENER D	UDZS36B	(1)	224553600R2
Q2001	IC	NJW1328	1	22242691R3
Q7002	FL TUBE	16-BT-168GNK	1	212279
Q7002A	HOLDER	(FL)	1	27191222C
Q7003	IC	ML9208A-13GA	1	22242772R3
Q7004	TR	KTC3875-GR	1	2216175R2
Q7005	TR	KRA102S	1	2216220R2
Q7006	TR	KTC3875-GR	1	2216175R2
Q7007	TR	KRC102S	1	2216190R2
Q7010	TR	2SC2712-GR	1	2213145R2
Q7011	TR	KRA107S	1	2216350R2
Q7012	TR	KRC107S	1	2216340R2
Q7033	TR	KTC3875-GR	1	2216175R2
Q7041	REMO SENS	IRM-3638M3S28	1	24130026
Q7401	IC	NJM4580M-D	1	22241448R2
Q7403	TR	DTC114TKA	1	2216670R2
Q7403 or	TR	KRC111S	(1)	2217850R2
Q7404	TR	DTC114TKA	1	2216670R2
Q7404 or	TR	KRC111S	(1)	2217850R2
Q9020	IC	XC6220B501PR	1	22242692R2
Q960	TR	2SC2881-Y(TE12L,OF)	1	2217564R2
[TRANS COIL]				
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
L7301	EMIFIL	BK1608LM182-T	1	230958R1
L7302	EMIFIL	BK1608LM182-T	1	230958R1
L7401	CHOKE COIL	LBC2518T2R2M	1	231364M022R2
L7402	CHOKE COIL	LBC2518T2R2M	1	231364M022R2
L7501	CORE	BLM18PG121SN1D	1	2350006R1
L7502	CORE	BLM18PG121SN1D	1	2350006R1
L7503	CORE	BLM18PG121SN1D	1	2350006R1
L9020	CORE	BLM18PG181SN1D	1	2350005R1
T902	P TRANS	NPT-1520JQ	1	2301812A
[CAPACITOR]				
C2000	C-CERA C	CK725F1E-104Z1	1	332161040R1
C2001	C-CERA C	CK725F1E-104Z1	1	332161040R1
C2002	VR C	CE04W50V-2.2M(VR)	1	394680227T
C2002 or	JAMICON	CE04W50V-2.2M	(1)	398580227T
C2004	C-CERA C	CK725F1E-104Z1	1	332161040R1
C2007	C-CERA C	CK725F1E-104Z1	1	332161040R1
C2008	C-CERA C	CK725F1A-105Z1	1	332181050R1
C2009	C-CERA C	CK725F1A-105Z1	1	332181050R1
C2010	C-CERA C	CK725F1A-105Z1	1	332181050R1
C2011	C-CERA C	CK725F1A-105Z1	1	332181050R1
C2012	C-CERA C	CK725F1A-105Z1	1	332181050R1
C2020	C-CERA C	CK725F1A-105Z1	1	332181050R1
C2021	C-CERA C	CK725F1A-105Z1	1	332181050R1
C2102	VR C	CE04W6.3V-470M(VR)	1	394624717T

C2102 or	JAMICON	CE04W6.3V-470M	(1)	398524717T
C2103	VR C	CE04W50V-2.2M(VR)	1	394680227T
C2103 or	JAMICON	CE04W50V-2.2M	(1)	398580227T
C2104	VR C	CE04W50V-2.2M(VR)	1	394680227T
C2104 or	JAMICON	CE04W50V-2.2M	(1)	398580227T
C2105	VR C	CE04W6.3V-470M(VR)	1	394624717T
C2105 or	JAMICON	CE04W6.3V-470M	(1)	398524717T
C2106	VR C	CE04W50V-2.2M(VR)	1	394680227T
C2106 or	JAMICON	CE04W50V-2.2M	(1)	398580227T
C2107	VR C	CE04W50V-2.2M(VR)	1	394680227T
C2107 or	JAMICON	CE04W50V-2.2M	(1)	398580227T
C2108	VR C	CE04W6.3V-470M(VR)	1	394624717T
C2108 or	JAMICON	CE04W6.3V-470M	(1)	398524717T
C2109	VR C	CE04W6.3V-470M(VR)	1	394624717T
C2109 or	JAMICON	CE04W6.3V-470M	(1)	398524717T
C2110	VR C	CE04W6.3V-470M(VR)	1	394624717T
C2110 or	JAMICON	CE04W6.3V-470M	(1)	398524717T
C2111	VR C	CE04W50V-2.2M(VR)	1	394680227T
C2111 or	JAMICON	CE04W50V-2.2M	(1)	398580227T
C2112	VR C	CE04W50V-2.2M(VR)	1	394680227T
C2112 or	JAMICON	CE04W50V-2.2M	(1)	398580227T
C2113	VR C	CE04W50V-2.2M(VR)	1	394680227T
C2113 or	JAMICON	CE04W50V-2.2M	(1)	398580227T
C2114	VR C	CE04W50V-2.2M(VR)	1	394680227T
C2114 or	JAMICON	CE04W50V-2.2M	(1)	398580227T
C2115	VR C	CE04W50V-2.2M(VR)	1	394680227T
C2115 or	JAMICON	CE04W50V-2.2M	(1)	398580227T
C2116	VR C	CE04W50V-2.2M(VR)	1	394680227T
C2116 or	JAMICON	CE04W50V-2.2M	(1)	398580227T
C2117	C-CERA C	CK725F1A-105Z1	1	332181050R1
C2118	C-CERA C	CK725F1A-105Z1	1	332181050R1
C2119	C-CERA C	CK725F1A-105Z1	1	332181050R1
C2201	C-CERA C	CK725B1H-102K1	1	332101025R1
C2202	C-CERA C	CK725B1H-102K1	1	332101025R1
C2203	C-CERA C	CK725B1H-103K1	1	332101035R1
C2206	C-CERA C	CK725B1H-102K1	1	332101025R1
C2211	C-CERA C	CK725F1A-105Z1	1	332181050R1
C2602	UTSP C	CE04W50V-10M(UTSP)	1	397581007AT
C2603	C-CERA C	CC725CH1H-470J1	1	342104704R1
C2604	UTSP C	CE04W50V-10M(UTSP)	1	397581007AT
C2605	C-CERA C	CC725CH1H-470J1	1	342104704R1
C4520	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4521	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4523	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C4524	UTSP C	CE04W25V-47M(UTSP)	1	397554707AT
C6355	MKT C	B32529C0102J289	1	376491024T
C6356	TF C	EQQ-V50V-103J	1	374721034T
C6357	TF C	EQQ-V50V-103J	1	374721034T
C6358	MKT C	B32529C0102J289	1	376491024T
C7001	C-CERA C	CK725B1H-223K1	1	332102235R1
C7002	C-CERA C	CK725F1E-104Z1	1	332161040R1
C7003	C-CERA C	CC725CH1H-101J1	1	342101014R1
C7004	C-CERA C	CC725CH1H-101J1	1	342101014R1
C7005	C-CERA C	CC725CH1H-101J1	1	342101014R1
C7007	C-CERA C	CC725CH1H-390J1	1	342103904R1
C7008	ELECT C	CE04W6.3V-100M(S)	1	353721019T
C7009	C-CERA C	CK725F1E-104Z1	1	332161040R1
C7010	C-CERA C	CK725B1H-223K1	1	332102235R1
C7011	C-CERA C	CK725B1H-223K1	1	332102235R1
C7012	C-CERA C	CK725B1H-223K1	1	332102235R1
C7014	C-CERA C	CK725B1H-223K1	1	332102235R1
C7015	ELECT C	CE04W16V-47M(S)	1	353744709T
C7016	C-CERA C	CK725B1H-223K1	1	332102235R1
C7017	C-CERA C	CK725B1H-223K1	1	332102235R1
C7021	C-CERA C	CK725B1H-103K1	1	332101035R1
C7022	C-CERA C	CK725B1H-103K1	1	332101035R1
C7031	C-CERA C	CK725B1H-223K1	1	332102235R1
C7032	C-CERA C	CK725B1H-223K1	1	332102235R1
C7033	ELECT C	CE04W16V-10M(S)	1	353741009T
C7041	ELECT C	CE04W16V-10M(S)	1	353741009T
C7042	C-CERA C	CC725CH1H-102J1	1	342101024R1
C7043	C-CERA C	CC725CH1H-102J1	1	342101024R1
C7201	C-CERA C	CC725CH1H-102J1	1	342101024R1
C7202	C-CERA C	CK725B1H-223K1	1	332102235R1
C7203	MKT C	B32529C0102J289	1	376491024T
C7204	MKT C	B32529C0102J289	1	376491024T

C7301	C-CERA C	CC725CH1H-471J1	1	342104714R1	
C7302	C-CERA C	CC725CH1H-471J1	1	342104714R1	
C7304	C-CERA C	CK725F1E-104Z1	1	332161040R1	
C7305	C-CERA C	CK725F1E-104Z1	1	332161040R1	
C7306	C-CERA C	CK725F1E-104Z1	1	332161040R1	
C7319	C-CERA C	CC725CH1H-470J1	1	342104704R1	
C7401	ELECT C	CE04W16V-10M(S)	1	353741009T	
C7402	C-CERA C	CC725CH1H-101J1	1	342101014R1	
C7403	ELECT C	CE04W16V-47M(S)	1	353744709T	
C7404	C-CERA C	CC725CH1H-330J1	1	342103304R1	
C7405	ELECT C	CE04W16V-10M(S)	1	353741009T	
C7411	ELECT C	CE04W16V-47M(S)	1	353744709T	
C7412	ELECT C	CE04W16V-47M(S)	1	353744709T	
C7421	C-CERA C	CC725CH1H-102J1	1	342101024R1	
C7501	C-CERA C	CK725F1E-104Z1	1	332161040R1	
C7503	C-CERA C	CK725F1E-104Z1	1	332161040R1	
C901	IS C	LE103-C3.5	1	3800042S	!
C9011	ELECT C	CE69W25V-10000M	1	3504502	
C9011 or	ELECT C	CE69W25V-10000M	(1)	3504503	
C9012	TF C	ECQ-V50V-334J	1	374723344T	
C9013	VR C	CE04W50V-4.7M(VR)	1	394680477T	
C9013 or	JAMICON	CE04W50V-4.7M	(1)	398580477T	
C902	C-CERA C	CK725F1E-104Z1	1	332161040R1	
C9020	C-CERA C	CK732B16V-106K	1	332071065R2	
C9021	C-CERA C	CK732B16V-106K	1	332071065R2	
C9022	C-CERA C	CK732B16V-106K	1	332071065R2	
C9023	C-CERA C	CK732B16V-106K	1	332071065R2	
C9026	VR C	CE04W6.3V-470M(VR)	1	394624717T	
C9026 or	JAMICON	CE04W6.3V-470M	(1)	398524717T	
C9027	C-CERA C	CK725F1E-104Z1	1	332161040R1	
C9028	C-CERA C	CK725F1E-104Z1	1	332161040R1	
C9029	C-CERA C	CK725F1E-104Z1	1	332161040R1	
C9030	C-CERA C	CK725F1E-104Z1	1	332161040R1	
C9031	C-CERA C	CK725F1E-104Z1	1	332161040R1	
C911	C-CERA C	CC725CH1H-102J1	1	342101024R1	
C921	C-CERA C	CK725B1H-223K1	1	332102235R1	
C922	VR C	CE04W16V-2200M(VR)	1	394642227S	
C930	VR C	CE04W16V-470M(VR)	1	394644717T	
C930 or	JAMICON	CE04W16V-470M	(1)	398544717T	
C933	UTSP C	CE04W50V-4.7M(UTSP)	1	397580477AT	N
C950	TF C	ECQ-V50V-104J	1	374721044T	
C960	VR C	CE04W63V-100M(VR)	1	394671017T	
C961	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT	
C962	TF C	ECQ-V50V-104J	1	374721044T	
C963	UTSP C	CE04W50V 47M(UTSP)	1	397584707AT	
[RESISTOR]					
R2004	C-CARBON R	RN72K1J-563JE	1	435035634R1	
R2005	C-CARBON R	RN72K1J-103JE	1	435031034R1	
R2006	C-CARBON R	RN72K1J-103JE	1	435031034R1	
R2007	C-CARBON R	RN72K1J-563JE	1	435035634R1	
R2008	C-CARBON R	RN72K1J-222JE	1	435032224R1	
R2009	C-CARBON R	RN72K1J-222JE	1	435032224R1	
R2010	C-CARBON R	RN72K1J-183JE	1	435031834R1	
R2011	C-CARBON R	RN72K1J-183JE	1	435031834R1	
R2101	C-CARBON R	RN72K1J-820JE	1	435038204R1	
R2102	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2103	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2104	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2105	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2106	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2107	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2108	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2109	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2110	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2111	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2112	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2113	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2114	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2115	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2116	C-CARBON R	RN72K1J-750JE	1	435037504R1	
R2120	C-CARBON R	RN72K1J-104JE	1	435031044R1	
R2121	C-CARBON R	RN72K1J-104JE	1	435031044R1	
R2122	C-CARBON R	RN72K1J-104JE	1	435031044R1	
R2123	C-CARBON R	RN72K1J-104JE	1	435031044R1	
R2124	C-CARBON R	RN72K1J-104JE	1	435031044R1	
R2155	C-CARBON R	RN72K1J-000JE	1	435030004R1	

R2156	C-CARBON R	RN72K1J-000JE	1	435030004R1
R2157	C-CARBON R	RN72K1J-000JE	1	435030004R1
R2601	C-CARBON R	RN72K1J-220JE	1	435032204R1
R2602	C-CARBON R	RN72K1J-220JE	1	435032204R1
R4520	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4521	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4523	C-CARBON R	RN72K1J-104JE	1	435031044R1
R4524	C-CARBON R	RN72K1J-104JE	1	435031044R1
R7001	C-CARBON R	RN72K1J-103JE	1	435031034R1
R7002	C-CARBON R	RN72K1J-332JE	1	435033324R1
R7003	C-CARBON R	RN72K1J-332JE	1	435033324R1
R7004	C-CARBON R	RN72K1J-221JE	1	435032214R1
R7005	C-CARBON R	RN72K1J-221JE	1	435032214R1
R7006	C-CARBON R	RN72K1J-332JE	1	435033324R1
R7007	C-CARBON R	RN72K1J-221JE	1	435032214R1
R7008	C-CARBON R	RN72K1J-221JE	1	435032214R1
R7009	C-CARBON R	RN72K1J-103JE	1	435031034R1
R7010	C-CARBON R	RN72K1J-333JE	1	435033334R1
R7011	C-CARBON R	RN72K1J-473JE	1	435034734R1
R7012	C-CARBON R	RN72K1J-103JE	1	435031034R1
R7013	C-CARBON R	RN72K1J-103JE	1	435031034R1
R7014	C-CARBON R	RN72K1J-152JE	1	435031524R1
R7021	C-CARBON R	RN72K1J-103JE	1	435031034R1
R7022	C-CARBON R	RN72K1J-103JE	1	435031034R1
R7023	C-CARBON R	RN72K1J-103JE	1	435031034R1
R7024	C-CARBON R	RN72K1J-103JE	1	435031034R1
R7033	C-CARBON R	RN72K1J-221JE	1	435032214R1
R7041	C-CARBON R	RN72K1J-101JE	1	435031014R1
R7042	C-CARBON R	RN72K1J-102JE	1	435031024R1
R7101	C-CARBON R	RN72K1J-271JE	1	435032714R1
R7102	C-CARBON R	RN72K1J-331JE	1	435033314R1
R7103	C-CARBON R	RN72K1J-471JE	1	435034714R1
R7104	C-CARBON R	RN72K1J-561JE	1	435035614R1
R7105	C-CARBON R	RN72K1J-821JE	1	435038214R1
R7106	C-CARBON R	RN72K1J-122JE	1	435031224R1
R7107	C-CARBON R	RN72K1J-222JE	1	435032224R1
R7108	C-CARBON R	RN72K1J-392JE	1	435033924R1
R7109	C-CARBON R	RN72K1J-123JE	1	435031234R1
R7111	C-CARBON R	RN72K1J-271JE	1	435032714R1
R7112	C-CARBON R	RN72K1J-331JE	1	435033314R1
R7113	C-CARBON R	RN72K1J-471JE	1	435034714R1
R7114	C-CARBON R	RN72K1J-561JE	1	435035614R1
R7115	C-CARBON R	RN72K1J-821JE	1	435038214R1
R7116	C-CARBON R	RN72K1J-122JE	1	435031224R1
R7117	C-CARBON R	RN72K1J-222JE	1	435032224R1
R7118	C-CARBON R	RN72K1J-392JE	1	435033924R1
R7119	C-CARBON R	RN72K1J-123JE	1	435031234R1
R7121	C-CARBON R	RN72K1J-271JE	1	435032714R1
R7122	C-CARBON R	RN72K1J-331JE	1	435033314R1
R7123	C-CARBON R	RN72K1J-471JE	1	435034714R1
R7124	C-CARBON R	RN72K1J-561JE	1	435035614R1
R7125	C-CARBON R	RN72K1J-821JE	1	435038214R1
R7126	C-CARBON R	RN72K1J-122JE	1	435031224R1
R7127	C-CARBON R	RN72K1J-222JE	1	435032224R1
R7128	C-CARBON R	RN72K1J-392JE	1	435033924R1
R7129	C-CARBON R	RN72K1J-123JE	1	435031234R1
R7131	C-CARBON R	RN72K1J-271JE	1	435032714R1
R7132	C-CARBON R	RN72K1J-331JE	1	435033314R1
R7133	C-CARBON R	RN72K1J-471JE	1	435034714R1
R7134	C-CARBON R	RN72K1J-561JE	1	435035614R1
R7135	C-CARBON R	RN72K1J-821JE	1	435038214R1
R7136	C-CARBON R	RN72K1J-122JE	1	435031224R1
R7137	C-CARBON R	RN72K1J-222JE	1	435032224R1
R7138	C-CARBON R	RN72K1J-392JE	1	435033924R1
R7152	C-CARBON R	RN72K1J-222JE	1	435032224R1
R7301	C-CARBON R	RN72K1J-331JE	1	435033314R1
R7302	C-CARBON R	RN72K1J-331JE	1	435033314R1
R7401	C-CARBON R	RN72K1J-101JE	1	435031014R1
R7402	C-CARBON R	RN72K1J-224JE	1	435032244R1
R7403	C-CARBON R	RN72K1J-472JE	1	435034724R1
R7404	C-CARBON R	RN72K1J-221JE	1	435032214R1
R7405	C-CARBON R	RN72K1J-473JE	1	435034734R1
R7406	C-CARBON R	RN72K1J-331JE	1	435033314R1
R7407	C-CARBON R	RN72K1J-102JE	1	435031024R1
R7408	C-CARBON R	RN72K1J-333JE	1	435033334R1
R7409	C-CARBON R	RN72K1J-221JE	1	435032214R1

R7410	C-CARBON R	RN72K1J-221JE	1	435032214R1	
R7411	C-CARBON R	RN72K1J-471JE	1	435034714R1	
R7412	C-CARBON R	RN72K1J-471JE	1	435034714R1	
R7413	C-CARBON R	RN72K1J-224JE	1	435032244R1	
R7414	C-CARBON R	RN72K1J-104JE	1	435031044R1	
R7420	C-CARBON R	RN72K1J-473JE	1	435034734R1	
R9014	C-CARBON R	RN72K1J-104JE	1	435031044R1	
R921	METAL O R	RS1/2WBJ-47	1	443524704T	
R922	C-CARBON R	RN72K1J-823JE	1	435038234R1	
R934	C-CARBON R	RN72K1J-104JE	1	435031044R1	
R950	C-CARBON R	RN72K1J-010JE	1	435030104R1	
R951	METAL O R	RS1WBJ-33	1	443623304T	
R952	METAL O R	RS1WBJ-47	1	443624704T	
R960	METAL R	RNU1/2WCJ-8.2	1	453530824T	
R962	C-CARBON R	RN72K1J-472JE	1	435034724R1	
R963	C-CARBON R	RN72K1J-472JE	1	435034724R1	
R964	C-CARBON R	RN72K1J-333JE	1	435033334R1	
R965	C-CARBON R	RN72K1J-047JE	1	435030474R1	
[SW TRM]					
F9001	FUSE	5A-UL-125V	1	252385T	!
F901C	FUSE HOL	NSCT-1P2031	1	25052133T	!
F901D	FUSE HOL	NSCT-1P2031	1	25052133T	!
P2201	PIN JACK	NPJ-3PDYYY560	1	25045778	
P2202	PIN JACK	NPJ-3PDYYY560	1	25045778	
P2203	PIN JACK	NPJ-9PDGLRGLR563	1	25045781	
P2800A	SOCKET	NSCT-9P2400	1	25052503	
P3101B	PLUG	NPLG-5P352	1	25055369	
P5502A	SOCKET	NSCT-20P2200	1	25052303	
P5503A	SOCKET	NSCT-7P2187	1	25052290	
P5504A	SOCKET	NSCT-13P2193	1	25052296	
P5510A	TRM	NTM-1P233(M1969)	1	25060302	
P604	SOCKET AS	NSAS-5P2189	1	2009991378UL	N
P604A	WIRE HOL	NSCT-5P896	1	25051109	
P605	SOCKET AS	NSAS-5P2193	1	2009991382UL	
P605A	WIRE HOL	NSCT-5P896	1	25051109	
P6353	TRM	NTM-4PDML422	1	25060494	
P701B	SOCKET	NSCT-23P2441	1	25052544	
P702A	WIRE HOL	NSCT-9P880	1	25051093	
P702B	WIRE HOL	NSCT-9P880	1	25051093	
P703A	SOCKET	NSCT-7P2425	1	25052528	
P703B	SOCKET	NSCT-7P2425	1	25052528	
P704	WS CLAMP	CB-71683(L=50)	1	260261	
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	
P7401	ST JACK	MSJ-035-105C-B-RF-SR-PC(ONA)	1	25045990	
P7501	SOCKET	000010211-00027	1	25053411	
P8001A	SOCKET	NSCT-29P2447	1	25052550	
P801	SOCKET AS	NSAS-5P2109	1	2009991298UL	N
P801A	WIRE HOL	NSCT-5P876	1	25051089	
P9004	RETAINER	(JOINT)	1	27142069	
P901	TRM-423(SCREW)	NEJITANSI ST3	1	25060495	
P901A	PLUG	NPLG-2P631	1	25055675	
P901Aor	PLUG	1-1123724-2	(1)	25056402	
P902	SOCKET AS	NSAS-5P2113	1	2009991302UL	
P902A	WIRE HOL	NSCT-5P876	1	25051089	
P903	TRM-423(SCREW)	NEJITANSI ST3	1	25060495	
P911	PLUG	NPLG-2P631	1	25055675	
P911 or	PLUG	1-1123724-2	(1)	25056402	
P951	SOCKET AS	NSAS-5P2114	1	2009991303UL	N
P951A	WIRE HOL	NSCT-5P876	1	25051089	
P952B	PLUG	NPLG-3P117	1	25055133	
RL901	RELAY	NRL-1P5A-DC9-179	1	25065669	!
RL901 or	RELAY	NRL-1P10A-DC9-188	(1)	25065693	!
S7002	R ENCODE	EC12E2425WITH WASHER	1	25065655W	
S7100	PUSH SW	NPS-111-S681	1	25035718T	
S7101	PUSH SW	NPS-111-S681	1	25035718T	
S7105	PUSH SW	NPS-111-S681	1	25035718T	
S7106	PUSH SW	NPS-111-S681	1	25035718T	
S7107	PUSH SW	NPS-111-S681	1	25035718T	
S7108	PUSH SW	NPS-111-S681	1	25035718T	
S7109	PUSH SW	NPS-111-S681	1	25035718T	
S7110	PUSH SW	NPS-111-S681	1	25035718T	
S7111	PUSH SW	NPS-111-S681	1	25035718T	
S7112	PUSH SW	NPS-111-S681	1	25035718T	

S7113	PUSH SW	NPS-111-S681	1	25035718T
S7114	PUSH SW	NPS-111-S681	1	25035718T
S7115	PUSH SW	NPS-111-S681	1	25035718T
S7119	PUSH SW	NPS-111-S681	1	25035718T
S7120	PUSH SW	NPS-111-S681	1	25035718T
S7121	PUSH SW	NPS-111-S681	1	25035718T
S7122	PUSH SW	NPS-111-S681	1	25035718T
S7123	PUSH SW	NPS-111-S681	1	25035718T
S7124	PUSH SW	NPS-111-S681	1	25035718T
S7125	PUSH SW	NPS-111-S681	1	25035718T
S7126	PUSH SW	NPS-111-S681	1	25035718T
S7127	PUSH SW	NPS-111-S681	1	25035718T
S7128	PUSH SW	NPS-111-S681	1	25035718T
S7129	PUSH SW	NPS-111-S681	1	25035718T
S7130	PUSH SW	NPS-111-S681	1	25035718T
S7131	PUSH SW	NPS-111-S681	1	25035718T
S7132	PUSH SW	NPS-111-S681	1	25035718T
S7136	PUSH SW	NPS-111-S681	1	25035718T
S7137	PUSH SW	NPS-111-S681	1	25035718T
S7138	PUSH SW	NPS-111-S681	1	25035718T

U008

BAHDM-1337-1A

: NSP

CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[SEMI CONDUCTOR]					
D110	C-DIODE	DA2J10100	1	223303R2	
D110 or	C-DIODE	1SS352	(1)	223234R2	
D111	C-DIODE	DA2J10100	1	223303R2	
D111 or	C-DIODE	1SS352	(1)	223234R2	
D181	C-DIODE	DA2J10100	1	223303R2	
D181 or	C-DIODE	1SS352	(1)	223234R2	
D182	C-DIODE	DA2J10100	1	223303R2	
D182 or	C-DIODE	1SS352	(1)	223234R2	
D183	C-DIODE	DA2J10100	1	223303R2	
D183 or	C-DIODE	1SS352	(1)	223234R2	
D601	C-DIODE	DA2J10100	1	223303R2	
D601 or	C-DIODE	1SS352	(1)	223234R2	
D602	C-DIODE	DA2J10100	1	223303R2	
D602 or	C-DIODE	1SS352	(1)	223234R2	
D603	C-DIODE	DA2J10100	1	223303R2	
D603 or	C-DIODE	1SS352	(1)	223234R2	
D701	C-DIODE	DA2J10100	1	223303R2	
D701 or	C-DIODE	1SS352	(1)	223234R2	
D702	C-DIODE	DA2J10100	1	223303R2	
D702 or	C-DIODE	1SS352	(1)	223234R2	
D8100	C-DIODE	DA2J10100	1	223303R2	
D8100 or	C-DIODE	1SS352	(1)	223234R2	
D8145	ESD D	AOZ8804ADI	1	225502R2	
D8146	ESD D	AOZ8804ADI	1	225502R2	
D8347	DIODE	DAN217T146	1	223285R2	
D8347 or	DIODE	KDS123S	(1)	223312R2	
Q153	IC	BR25S640FJ	1	22242761R2	
Q153 or	IC	R1EX25064ASA00A	(1)	22242581R2	
Q153 or	IC	M95640-WMN6TP	(1)	22242643R2	
Q181	TR	KRC105S	1	2217290R2	
Q181 or	TR	RN1405	(1)	2214500R2	
Q201	IC	D808K013DPTP300	1	22242877R3	N
Q271	IC	S-13A1A12-U5T1U3	1	22242841R2	
Q272	IC	BU33TD3WG-TR	1	22242715R2	
Q273	IC	S-1172B50-U5T1G	1	22242765R2	
Q276	IC	FP6861C-B1AS5CT	1	22242840R2	
Q277	IC	BU33TD3WG-TR	1	22242715R2	
Q278	IC	BU18TD3WG-TR	1	22242716R2	
Q281	IC	EM638165TSB-7G	1	22242775R2	
Q281 or	IC	H57V6462GTR-60C	(1)	22242888R3	
Q282	IC	EN25QH16-104HIP	1	222W0130R2	
Q301	IC	PCM9211PTR	1	22242703R2	
Q3105	IC	MF1337S3959	1	22242820R2	
Q351	IC	PCM1681PWPR	1	22242697R2	
Q601	TR	KRC104S	1	2216210R2	
Q601 or	TR	RN1404	(1)	2214490R2	
Q701	IC	MPD70F3746GJ-GAE-AX	1	222W0079R3	
Q702	IC	S-812C33AUA-C2N	1	22242222R2	

Q703	IC	S-812C56AUA-C3K	1	22242207R2
Q704	IC	SN74CB3Q3305PWR	1	22242258R2
Q746	IC	BU33TD3WG-TR	1	22242715R2
Q751	TR	KRC104S	1	2216210R2
Q751 or	TR	RN1404	(1)	2214490R2
Q752	TR	KRA102S	1	2216220R2
Q752 or	TR	RN2402	(1)	2214530R2
Q753	TR	KRA107S	1	2216350R2
Q753 or	TR	RN2407(TE85L_F)	(1)	2216360R2
Q754	TR	KRC102S	1	2216190R2
Q754 or	TR	RN1402	(1)	2214470R2
Q755	TR	KRA107S	1	2216350R2
Q755 or	TR	RN2407(TE85L_F)	(1)	2216360R2
Q756	TR	KRC102S	1	2216190R2
Q756 or	TR	RN1402	(1)	2214470R2
Q757	TR	KRC104S	1	2216210R2
Q757 or	TR	RN1404	(1)	2214490R2
Q758	TR	KRA102S	1	2216220R2
Q758 or	TR	RN2402	(1)	2214530R2
Q759	TR	KRC104S	1	2216210R2
Q759 or	TR	RN1404	(1)	2214490R2
Q760	TR	KRA102S	1	2216220R2
Q760 or	TR	RN2402	(1)	2214530R2
Q8101	IC	ADV7623	1	22242625R3
Q8104	IC	MM3404A50NRE	1	22242701R2
Q8105	IC	W25Q16CVSSIG	1	222W0118R2
Q8111	TR	KRC101S	1	2216330R2
Q8111 or	TR	RN1401(TE85L_F)	(1)	2214460R2
Q8112	TR	KRC101S	1	2216330R2
Q8112 or	TR	RN1401(TE85L_F)	(1)	2214460R2
Q8113	TR	KRC101S	1	2216330R2
Q8113 or	TR	RN1401(TE85L_F)	(1)	2214460R2
Q8114	TR	KRC101S	1	2216330R2
Q8114 or	TR	RN1401(TE85L_F)	(1)	2214460R2
Q8115	TR	KRC101S	1	2216330R2
Q8115 or	TR	RN1401(TE85L_F)	(1)	2214460R2
Q8116	TR	KRC101S	1	2216330R2
Q8116 or	TR	RN1401(TE85L_F)	(1)	2214460R2
Q8117	TR	KRC101S	1	2216330R2
Q8117 or	TR	RN1401(TE85L_F)	(1)	2214460R2
Q8118	TR	KRC101S	1	2216330R2
Q8118 or	TR	RN1401(TE85L_F)	(1)	2214460R2
Q8156	TR ARRAY	UM6K1N	1	226066R2
Q8156 or	TR ARRAY	UPA672T	(1)	226067R2
Q8156 or	TR ARRAY	RT3K66M-T111-1	(1)	226069R2
Q8931	IC	FR9888CSPCTR	1	22242839R2
Q8951	IC	FR9888CSPCTR	1	22242839R2
Q8971	IC	FR9888CSPCTR	1	22242839R2
Q8972	IC	BU18TD3WG-TR	1	22242716R2
[TRANS COIL]				
L153	CORE	BLM18PG181SN1D	1	2350005R1
L201	C-CARBON R	RN72K1J-000JE	1	435030004R1
L251	CORE	BLM18PG121SN1D	1	2350006R1
L252	CORE	BLM18PG121SN1D	1	2350006R1
L253	CORE	BLM18PG121SN1D	1	2350006R1
L254	CORE	BLM18PG181SN1D	1	2350005R1
L255	CORE	BLM18PG121SN1D	1	2350006R1
L271	CORE	BLM18PG181SN1D	1	2350005R1
L272	CORE	DLP11SA900HL2L	1	2350021R2
L273	CORE	BLM18PG181SN1D	1	2350005R1
L281	CORE	BLM18PG181SN1D	1	2350005R1
L301	EMIFIL	BK1608LM182-T	1	230958R1
L302	EMIFL	BK1608LL241-T	1	230959R1
L303	CHOKE COIL	LBC2518T4R7M	1	231364M047R2
L304	CHOKE COIL	LBC2518T4R7M	1	231364M047R2
L305	CHOKE COIL	LBC2518T4R7M	1	231364M047R2
L351	CHOKE COIL	LBC2518T4R7M	1	231364M047R2
L352	CHOKE COIL	LBC2518T4R7M	1	231364M047R2
L500	CORE	BLM18PG181SN1D	1	2350005R1
L740	CORE	BLM18PG181SN1D	1	2350005R1
L742	CORE	BLM18PG181SN1D	1	2350005R1
L743	CORE	BLM18PG181SN1D	1	2350005R1
L744	CORE	BLM18PG181SN1D	1	2350005R1
L746	CORE	BLM18PG181SN1D	1	2350005R1
L8101	EMIFIL	BK1608LM182-T	1	230958R1
L8911	CORE	BLM18PG181SN1D	1	2350005R1

L8912	CORE	BLM18PG181SN1D	1	2350005R1
L8921	CORE	BLM18PG181SN1D	1	2350005R1
L8922	CORE	BLM18PG181SN1D	1	2350005R1
L8923	CORE	BLM18PG181SN1D	1	2350005R1
L8931	CHOKE COIL	1264EY-100M=P3	1	231447M100R2
L8932	CORE	BLM18PG181SN1D	1	2350005R1
L8933	CORE	BLM18PG181SN1D	1	2350005R1
L8934	CORE	BLM18PG181SN1D	1	2350005R1
L8937	CORE	BLM18PG181SN1D	1	2350005R1
L8938	CORE	BLM18PG181SN1D	1	2350005R1
L8939	CORE	BLM18PG181SN1D	1	2350005R1
L8951	CHOKE COIL	1264EY-100M=P3	1	231447M100R2
L8952	CORE	BLM18PG181SN1D	1	2350005R1
L8953	CORE	BLM18PG181SN1D	1	2350005R1
L8954	CORE	BLM18PG181SN1D	1	2350005R1
L8971	CHOKE COIL	1264EY-100M=P3	1	231447M100R2
L8972	CORE	BLM18PG181SN1D	1	2350005R1
L8973	CORE	BLM18PG181SN1D	1	2350005R1
L8974	CORE	BLM18PG181SN1D	1	2350005R1
X201	CRYSTAL	HC-49S 9C24.0000M	1	3010515R2
X301	CRYSTAL	HC-49S 9C24.5760M	1	3010516R2
X501	CERA LOCK	CSTCR5M00G53-B0	1	3010356R2
X8100	CRYSTAL	HC-49S 9C28.6363M	1	3010519R2
[CAPACITOR]				
C151	C-CERA C	CK725B1C-104K0	1	332011045R1
C201	C-CERA C	CK725B1A-105K0	1	332001055R1
C202	C-CERA C	CK725B1A-105K0	1	332001055R1
C203	C-CERA C	CK725B1A-105K0	1	332001055R1
C204	C-CERA C	CK725B1A-105K0	1	332001055R1
C205	C-CERA C	CK725B1A-105K0	1	332001055R1
C206	C-CERA C	CK725B1A-105K0	1	332001055R1
C207	C-CERA C	CK725B1A-105K0	1	332001055R1
C208	C-CERA C	CK725B1A-105K0	1	332001055R1
C209	C-CERA C	CK725B1A-105K0	1	332001055R1
C210	C-CERA C	CK725B1A-105K0	1	332001055R1
C211	C-CERA C	CK725B1A-105K0	1	332001055R1
C212	C-CERA C	CK725B1A-105K0	1	332001055R1
C213	C-CERA C	CK725B1A-105K0	1	332001055R1
C214	C-CERA C	CK725B1A-105K0	1	332001055R1
C215	C-CERA C	CK725B1A-105K0	1	332001055R1
C216	C-CERA C	CK725B1A-105K0	1	332001055R1
C217	C-CERA C	CK725B1A-105K0	1	332001055R1
C218	C-CERA C	CK725B1A-105K0	1	332001055R1
C219	C-CERA C	CK725B1A-105K0	1	332001055R1
C221	C-CERA C	CK725B1A-105K0	1	332001055R1
C222	C-CERA C	CK725B1A-105K0	1	332001055R1
C223	C-CERA C	CK725B1A-105K0	1	332001055R1
C224	C-CERA C	CK725B1A-105K0	1	332001055R1
C225	C-CERA C	CK725B1A-105K0	1	332001055R1
C226	C-CERA C	CK725B1A-105K0	1	332001055R1
C227	C-CERA C	CK725B1A-105K0	1	332001055R1
C228	C-CERA C	CK725B1A-105K0	1	332001055R1
C229	C-CERA C	CK725B1A-105K0	1	332001055R1
C230	C-CERA C	CK725B1A-105K0	1	332001055R1
C231	C-CERA C	CK725B1A-105K0	1	332001055R1
C232	C-CERA C	CK725B1A-105K0	1	332001055R1
C233	C-CERA C	CK725B1A-105K0	1	332001055R1
C234	C-CERA C	CK725B1A-105K0	1	332001055R1
C235	C-CERA C	CK725B1A-105K0	1	332001055R1
C236	C-CERA C	CK725B1A-105K0	1	332001055R1
C237	C-CERA C	CK725B1A-105K0	1	332001055R1
C238	C-CERA C	CK725B1A-105K0	1	332001055R1
C239	C-CERA C	CK725B1A-105K0	1	332001055R1
C240	C-CERA C	CK725B1A-105K0	1	332001055R1
C241	C-CERA C	CK725B1A-105K0	1	332001055R1
C242	C-CERA C	CK725B1A-105K0	1	332001055R1
C251	C-CERA C	CK732B16V-106K	1	332071065R2
C252	C-CERA C	CK732B16V-106K	1	332071065R2
C253	C-CERA C	CK732B16V-106K	1	332071065R2
C254	C-CERA C	CK732B16V-106K	1	332071065R2
C255	C-CERA C	CK732B16V-106K	1	332071065R2
C256	C-CERA C	CK725B1A-105K0	1	332001055R1
C261	C-CERA C	CK725B1A-224K0	1	332002245R1
C262	C-CERA C	CK725B1C-104K0	1	332011045R1
C263	C-CERA C	CK725B1H-103K0	1	332031035R1
C264	C-CERA C	CK725B1A-105K0	1	332001055R1

C265	C-CERA C	CG725CH1H-180J0	1	342031804R1
C266	C-CERA C	CG725CH1H-180J0	1	342031804R1
C267	C-CERA C	CK725B1H-102K0	1	332031025R1
C268	C-CERA C	CK725B1A-105K0	1	332001055R1
C269	C-CERA C	CK725B1A-105K0	1	332001055R1
C270	C-CERA C	CK732B16V-106K	1	332071065R2
C271	C-CERA C	CK732B16V-106K	1	332071065R2
C272	C-CERA C	CK732B16V-106K	1	332071065R2
C273	C-CERA C	CK732B16V-106K	1	332071065R2
C274	C-CERA C	CK725B1A-105K0	1	332001055R1
C275	CHIP ELECT C	CEWX10V-220M	1	398132217R2
C276	C-CERA C	CK725B1H-102K0	1	332031025R1
C277	CHIP ELECT C	CEWX16V-100M	1	398141017R2
C278	C-CERA C	CK725B1A-105K0	1	332001055R1
C279	C-CERA C	CK732B16V-106K	1	332071065R2
C280	C-CERA C	CK725B1A-105K0	1	332001055R1
C281	C-CERA C	CK732B16V-106K	1	332071065R2
C282	C-CERA C	CK732B16V-106K	1	332071065R2
C283	C-CERA C	CK725B1A-105K0	1	332001055R1
C284	C-CERA C	CK725B1A-105K0	1	332001055R1
C285	C-CERA C	CK725B1A-105K0	1	332001055R1
C286	C-CERA C	CK725B1A-105K0	1	332001055R1
C287	C-CERA C	CK725B1A-105K0	1	332001055R1
C288	C-CERA C	CK725B1A-105K0	1	332001055R1
C289	C-CERA C	CK725B1A-105K0	1	332001055R1
C290	C-CERA C	CK725B1A-105K0	1	332001055R1
C293	C-CERA C	CK725B1H-102K0	1	332031025R1
C294	C-CERA C	CK725B1H-102K0	1	332031025R1
C295	C-CERA C	CK725B1H-102K0	1	332031025R1
C296	C-CERA C	CK725B1H-102K0	1	332031025R1
C301	C-CERA C	CG725CH1H-150J0	1	342031504R1
C302	C-CERA C	CG725CH1H-150J0	1	342031504R1
C305	C-CERA C	CK725B1C-104K0	1	332011045R1
C306	CHIP ELECT C	CEWX4V-220M	1	3981G2217R2
C307	C-CERA C	CK725B1C-104K0	1	332011045R1
C3118	C-CERA C	CK725B1A-105K0	1	332001055R1
C312	C-CERA C	CG725CH1H-221J0	1	342032214R1
C313	C-CERA C	CK725B1C-104K0	1	332011045R1
C314	CHIP ELECT C	CEWX4V-220M	1	3981G2217R2
C315	C-CERA C	CK725B1H-472K0	1	332034725R1
C316	C-CERA C	CK725B1E-473K0	1	332024735R1
C317	C-CERA C	CK725B1C-104K0	1	332011045R1
C318	CHIP ELECT C	CEWX10V-220M	1	398132217R2
C319	CHIP ELECT C	CEWX16V-47M	1	398144707R2
C320	C-CERA C	CK725B1H-223K0	1	332032235R1
C351	CHIP ELECT C	CEWX4V-220M	1	3981G2217R2
C352	C-CERA C	CK725B1C-104K0	1	332011045R1
C353	CHIP ELECT C	CEWX10V-220M	1	398132217R2
C354	C-CERA C	CK725B1C-104K0	1	332011045R1
C355	C-CERA C	CK725B1C-104K0	1	332011045R1
C356	CHIP ELECT C	CEWX16V-47M	1	398144707R2
C501	C-CERA C	CK732B16V-106K	1	332071065R2
C502	C-CERA C	CK725B1C-104K0	1	332011045R1
C503	C-CERA C	CK725B1C-104K0	1	332011045R1
C504	C-CERA C	CK725B1C-104K0	1	332011045R1
C505	C-CERA C	CK725B1C-104K0	1	332011045R1
C507	C-CERA C	CK725B1C-104K0	1	332011045R1
C508	C-CERA C	CK725B1C-104K0	1	332011045R1
C509	C-CERA C	CK732B16V-106K	1	332071065R2
C511	C-CERA C	CK725B1H-102K0	1	332031025R1
C512	C-CERA C	CK725B1H-102K0	1	332031025R1
C514	C-CERA C	CK725B1C-104K0	1	332011045R1
C515	C-CERA C	CK725B1C-104K0	1	332011045R1
C516	C-CERA C	CK725B1C-104K0	1	332011045R1
C517	C-CERA C	CK725B1C-104K0	1	332011045R1
C518	C-CERA C	CK725B1H-102K0	1	332031025R1
C519	C-CERA C	CK725B1H-102K0	1	332031025R1
C520	C-CERA C	CK725B1H-102K0	1	332031025R1
C522	C-CERA C	CK725B1C-104K0	1	332011045R1
C523	C-CERA C	CK725B1H-102K0	1	332031025R1
C525	C-CERA C	CK725B1C-104K0	1	332011045R1
C526	C-CERA C	CK725B1H-102K0	1	332031025R1
C527	C-CERA C	CK725B1H-102K0	1	332031025R1
C528	C-CERA C	CK725B1C-104K0	1	332011045R1
C613	C-CERA C	CK732B1C-474K	1	337394745R1
C701	C-CERA C	CK732B16V-106K	1	332071065R2

C702	C-CERA C	CK732B16V-106K	1	332071065R2
C703	C-CERA C	CK732B16V-106K	1	332071065R2
C705	C-CERA C	CK732B16V-106K	1	332071065R2
C706	C-CERA C	CK725B1E-106K	1	332221065R2
C707	C-CERA C	CK732B16V-106K	1	332071065R2
C708	C-CERA C	CK732B16V-106K	1	332071065R2
C709	C-CERA C	CK725B1E-106K	1	332221065R2
C710	C-CERA C	CK725B1C-104K0	1	332011045R1
C745	C-CERA C	CK732B16V-106K	1	332071065R2
C751	C-CERA C	CK725B1A-105K0	1	332001055R1
C752	C-CERA C	CK725B1A-105K0	1	332001055R1
C753	CHIP ELECT C	CEWT6.3V-470M	1	395724717R2
C754	C-CERA C	CK732B1C-474K	1	337394745R1
C755	C-CERA C	CK725B1A-105K0	1	332001055R1
C756	C-CERA C	CK732B1C-474K	1	337394745R1
C8100	C-CERA C	CK725B1H-102K0	1	332031025R1
C8103	C-CERA C	CK725B1C-104K0	1	332011045R1
C8104	C-CERA C	CK725B1H-102K0	1	332031025R1
C8105	C-CERA C	CK725B1C-104K0	1	332011045R1
C8106	C-CERA C	CK725B1H-102K0	1	332031025R1
C8107	C-CERA C	CK725B1C-104K0	1	332011045R1
C8108	C-CERA C	CK725B1H-102K0	1	332031025R1
C8109	C-CERA C	CK725B1C-104K0	1	332011045R1
C8110	C-CERA C	CK725B1H-102K0	1	332031025R1
C8111	C-CERA C	CK725B1C-104K0	1	332011045R1
C8112	C-CERA C	CK725B1H-102K0	1	332031025R1
C8113	C-CERA C	CK725B1C-104K0	1	332011045R1
C8114	C-CERA C	CK725B1H-102K0	1	332031025R1
C8115	C-CERA C	CK725B1C-104K0	1	332011045R1
C8116	C-CERA C	CK725B1H-102K0	1	332031025R1
C8117	C-CERA C	CK725B1H-102K0	1	332031025R1
C8118	C-CERA C	CK725B1H-102K0	1	332031025R1
C8119	C-CERA C	CK725B1C-104K0	1	332011045R1
C8120	C-CERA C	CK725B1H-102K0	1	332031025R1
C8121	C-CERA C	CK725B1C-104K0	1	332011045R1
C8122	C-CERA C	CK725B1C-104K0	1	332011045R1
C8123	C-CERA C	CK725CH1H-150J0	1	342031504R1
C8124	C-CERA C	CK725B1H-102K0	1	332031025R1
C8125	C-CERA C	CK725B1H-102K0	1	332031025R1
C8126	C-CERA C	CK725B1C-104K0	1	332011045R1
C8127	C-CERA C	CK725CH1H-150J0	1	342031504R1
C8128	C-CERA C	CK725B1H-102K0	1	332031025R1
C8129	C-CERA C	CK725B1C-104K0	1	332011045R1
C8130	C-CERA C	CK725B1H-102K0	1	332031025R1
C8131	C-CERA C	CK725B1H-102K0	1	332031025R1
C8132	C-CERA C	CK725B1H-102K0	1	332031025R1
C8133	C-CERA C	CK725B1C-104K0	1	332011045R1
C8134	C-CERA C	CK725B1H-102K0	1	332031025R1
C8135	C-CERA C	CK725B1C-104K0	1	332011045R1
C8136	C-CERA C	CK725B1H-102K0	1	332031025R1
C8137	C-CERA C	CK725B1C-104K0	1	332011045R1
C8138	C-CERA C	CK725B1H-102K0	1	332031025R1
C8139	C-CERA C	CK725B1H-102K0	1	332031025R1
C8140	C-CERA C	CK725B1C-104K0	1	332011045R1
C8141	C-CERA C	CK725B1H-102K0	1	332031025R1
C8142	C-CERA C	CK725B1C-104K0	1	332011045R1
C8143	C-CERA C	CK725B1H-102K0	1	332031025R1
C8144	C-CERA C	CK725B1H-102K0	1	332031025R1
C8145	C-CERA C	CK725B1H-102K0	1	332031025R1
C8146	C-CERA C	CK725B1C-104K0	1	332011045R1
C8147	C-CERA C	CK725B1H-102K0	1	332031025R1
C8148	C-CERA C	CK725B1C-104K0	1	332011045R1
C8149	C-CERA C	CK725B1H-102K0	1	332031025R1
C8151	C-CERA C	CK725B1C-104K0	1	332011045R1
C8152	C-CERA C	CK725B1H-102K0	1	332031025R1
C8153	C-CERA C	CK725B1C-104K0	1	332011045R1
C8154	C-CERA C	CK725B1H-102K0	1	332031025R1
C8155	C-CERA C	CK725B1C-104K0	1	332011045R1
C8156	C-CERA C	CK725B1H-102K0	1	332031025R1
C8158	C-CERA C	CK725B1C-104K0	1	332011045R1
C8159	C-CERA C	CK725B1H-102K0	1	332031025R1
C8160	C-CERA C	CK725B1C-104K0	1	332011045R1
C8161	C-CERA C	CK725B1H-102K0	1	332031025R1
C8162	C-CERA C	CK725B1C-104K0	1	332011045R1
C8163	C-CERA C	CK725B1H-102K0	1	332031025R1
C8164	C-CERA C	CK725B1C-104K0	1	332011045R1

C8165	C-CERA C	CK725B1H-102K0	1	332031025R1
C8166	C-CERA C	CK725B1H-102K0	1	332031025R1
C8168	C-CERA C	CK725B1H-102K0	1	332031025R1
C8170	C-CERA C	CK725B1C-104K0	1	332011045R1
C8175	C-CERA C	CK725B1H-102K0	1	332031025R1
C8176	C-CERA C	CK725B1A-105K0	1	332001055R1
C8177	C-CERA C	CK725B1A-105K0	1	332001055R1
C8911	C-CERA C	CK732B16V-106K	1	332071065R2
C8921	C-CERA C	CK732B16V-106K	1	332071065R2
C8922	C-CERA C	CK732B16V-106K	1	332071065R2
C8926	C-CERA C	CK725B1A-105K0	1	332001055R1
C8931	C-CERA C	CK725B1E-106K	1	332221065R2
C8932	C-CERA C	CK725B1E-106K	1	332221065R2
C8933	C-CERA C	CK732B16V-106K	1	332071065R2
C8934	C-CERA C	CK732B16V-106K	1	332071065R2
C8935	C-CERA C	CK732B16V-106K	1	332071065R2
C8936	C-CERA C	CK725B0J-226M	1	332092267R2
C8937	C-CERA C	CK725B1C-104K0	1	332011045R1
C8938	C-CERA C	CK725B1H-223K0	1	332032235R1
C8939	C-CERA C	CK725B1H-103K0	1	332031035R1
C8940	C-CERA C	CK725B1H-103K0	1	332031035R1
C8950	C-CERA C	CK725B1E-106K	1	332221065R2
C8951	C-CERA C	CK725B1E-106K	1	332221065R2
C8952	C-CERA C	CK725B1E-106K	1	332221065R2
C8953	C-CERA C	CK732B16V-106K	1	332071065R2
C8954	C-CERA C	CK732B16V-106K	1	332071065R2
C8955	C-CERA C	CK732B16V-106K	1	332071065R2
C8956	C-CERA C	CK725B0J-226M	1	332092267R2
C8957	C-CERA C	CK725B1C-104K0	1	332011045R1
C8958	C-CERA C	CK725B1H-223K0	1	332032235R1
C8959	C-CERA C	CK725B1H-103K0	1	332031035R1
C8960	C-CERA C	CK725B1H-103K0	1	332031035R1
C8964	C-CERA C	CK725B0J-226M	1	332092267R2
C8965	C-CERA C	CK725B0J-226M	1	332092267R2
C8966	C-CERA C	CK725B0J-226M	1	332092267R2
C8971	C-CERA C	CK725B1E-106K	1	332221065R2
C8972	C-CERA C	CK725B1E-106K	1	332221065R2
C8973	C-CERA C	CK732B16V-106K	1	332071065R2
C8974	C-CERA C	CK732B16V-106K	1	332071065R2
C8975	C-CERA C	CK732B16V-106K	1	332071065R2
C8976	C-CERA C	CK725B0J-226M	1	332092267R2
C8977	C-CERA C	CK725B1C-104K0	1	332011045R1
C8978	C-CERA C	CK725B1H-223K0	1	332032235R1
C8979	C-CERA C	CK725B1H-103K0	1	332031035R1
C8980	C-CERA C	CK725B1H-103K0	1	332031035R1
C8983	C-CERA C	CK725B1A-105K0	1	332001055R1
C8984	C-CERA C	CK725B1A-105K0	1	332001055R1
C8985	C-CERA C	CK725B1A-105K0	1	332001055R1
C8986	C-CERA C	CK725B1A-105K0	1	332001055R1
C8987	C-CERA C	CK725B1A-105K0	1	332001055R1
C8988	C-CERA C	CK725B1A-105K0	1	332001055R1
[RESISTOR]				
R110	C-CARBON R	RN72K1J-103JE	1	435031034R1
R151	C-CARBON R	RN72K1J-103JE	1	435031034R1
R152	C-CARBON R	RN72K1J-103JE	1	435031034R1
R154	C-CARBON R	RN72K1J-103JE	1	435031034R1
R201	C-CARBON R	RN72K1J-103JE	1	435031034R1
R202	C-CARBON R	RN72K1J-103JE	1	435031034R1
R203	C-CARBON R	RN72K1J-103JE	1	435031034R1
R204	C-CARBON R	RN72K1J-472JE	1	435034724R1
R205	C-CARBON R	RN72K1J-221JE	1	435032214R1
R206	C-CARBON R	RN72K1J-470JE	1	435034704R1
R207	C-CARBON R	RN72K1J-470JE	1	435034704R1
R208	C-CARBON R	RN72K1J-470JE	1	435034704R1
R209	C-CARBON R	RN72K1J-470JE	1	435034704R1
R210	C-CARBON R	RN72K1J-470JE	1	435034704R1
R211	C-CARBON R	RN72K1J-470JE	1	435034704R1
R212	C-CARBON R	RN72K1J-103JE	1	435031034R1
R213	C-CARBON R	RN72K1J-103JE	1	435031034R1
R214	C-CARBON R	RN72K1J-331JE	1	435033314R1
R215	C-CARBON R	RN72K1J-103JE	1	435031034R1
R216	C-CARBON R	RN72K1J-470JE	1	435034704R1
R220	C-R NET	RM7LJ330X04	1	43484733004R2
R221	C-R NET	RM7LJ330X04	1	43484733004R2
R222	C-R NET	RM7LJ330X04	1	43484733004R2
R223	C-R NET	RM7LJ330X04	1	43484733004R2

R224	C-R NET	RM7LJ330X04	1	43484733004R2
R225	C-R NET	RM7LJ330X04	1	43484733004R2
R226	C-R NET	RM7LJ330X04	1	43484733004R2
R227	C-R NET	RM7LJ330X04	1	43484733004R2
R228	C-R NET	RM7LJ330X04	1	43484733004R2
R229	C-R NET	RM7LJ330X04	1	43484733004R2
R231	C-CARBON R	RN72K1J-103JE	1	435031034R1
R232	C-CARBON R	RN72K1J-103JE	1	435031034R1
R234	C-CARBON R	RN72K1J-470JE	1	435034704R1
R235	C-CARBON R	RN72K1J-470JE	1	435034704R1
R236	C-CARBON R	RN72K1J-470JE	1	435034704R1
R237	C-CARBON R	RN72K1J-470JE	1	435034704R1
R238	C-CARBON R	RN72K1J-331JE	1	435033314R1
R239	C-CARBON R	RN72K1J-331JE	1	435033314R1
R240	C-CARBON R	RN72K1J-331JE	1	435033314R1
R241	C-CARBON R	RN72K1J-331JE	1	435033314R1
R242	C-CARBON R	RN72K1J-470JE	1	435034704R1
R243	C-CARBON R	RN72K1J-331JE	1	435033314R1
R244	C-CARBON R	RN72K1J-221JE	1	435032214R1
R245	C-CARBON R	RN72K1J-470JE	1	435034704R1
R246	C-CARBON R	RN72K1J-470JE	1	435034704R1
R247	C-CARBON R	RN72K1J-103JE	1	435031034R1
R248	C-CARBON R	RN72K1J-331JE	1	435033314R1
R249	C-CARBON R	RN72K1J-331JE	1	435033314R1
R252	C-CARBON R	RN72K1J-221JE	1	435032214R1
R253	C-CARBON R	RN72K1J-221JE	1	435032214R1
R254	C-CARBON R	RN72K1J-103JE	1	435031034R1
R255	C-CARBON R	RN72K1J-221JE	1	435032214R1
R256	C-CARBON R	RN72K1J-470JE	1	435034704R1
R257	C-CARBON R	RN72K1J-470JE	1	435034704R1
R262	C-CARBON R	RN72K1J-103JE	1	435031034R1
R263	C-CARBON R	RN72K1J-103JE	1	435031034R1
R264	C-CARBON R	RN72K1J-103JE	1	435031034R1
R265	C-CARBON R	RN72K1J-221JE	1	435032214R1
R271	C-CARBON R	RN72K1J-000JE	1	435030004R1
R272	C-CARBON R	RN72K1J-000JE	1	435030004R1
R273	C-CARBON R	RN72K1J-000JE	1	435030004R1
R276	C-CARBON R	RN72K1J-473JE	1	435034734R1
R277	C-CARBON R	RN72K1J-222JE	1	435032224R1
R281	C-CARBON R	RN72K1J-103JE	1	435031034R1
R282	C-CARBON R	RN72K1J-103JE	1	435031034R1
R284	C-CARBON R	RN72K1J-103JE	1	435031034R1
R301	C-CARBON R	RN72K1J-470JE	1	435034704R1
R304	C-CARBON R	RN72K1J-221JE	1	435032214R1
R305	C-CARBON R	RN72K1J-221JE	1	435032214R1
R306	C-CARBON R	RN72K1J-330JE	1	435033304R1
R307	C-CARBON R	RN72K1J-331JE	1	435033314R1
R308	C-CARBON R	RN72K1J-331JE	1	435033314R1
R312	C-CARBON R	RN72K1J-470JE	1	435034704R1
R313	C-CARBON R	RN72K1J-470JE	1	435034704R1
R314	C-CARBON R	RN72K1J-151JE	1	435031514R1
R315	C-CARBON R	RN72K1J-470JE	1	435034704R1
R316	C-CARBON R	RN72K1J-470JE	1	435034704R1
R317	C-CARBON R	RN72K1J-331JE	1	435033314R1
R321	C-CARBON R	RN72K1J-331JE	1	435033314R1
R322	C-CARBON R	RN72K1J-331JE	1	435033314R1
R323	C-CARBON R	RN72K1J-331JE	1	435033314R1
R324	C-CARBON R	RN72K1J-331JE	1	435033314R1
R325	C-CARBON R	RN72K1J-331JE	1	435033314R1
R326	C-CARBON R	RN72K1J-331JE	1	435033314R1
R327	C-CARBON R	RN72K1J-221JE	1	435032214R1
R331	C-CARBON R	RN72K1J-221JE	1	435032214R1
R332	C-CARBON R	RN72K1J-681JE	1	435036814R1
R333	C-CARBON R	RN72K1J-221JE	1	435032214R1
R351	C-CARBON R	RN72K1J-331JE	1	435033314R1
R352	C-CARBON R	RN72K1J-331JE	1	435033314R1
R354	C-CARBON R	RN72K1J-470JE	1	435034704R1
R355	C-CARBON R	RN72K1J-220JE	1	435032204R1
R356	C-CARBON R	RN72K1J-220JE	1	435032204R1
R357	C-CARBON R	RN72K1J-220JE	1	435032204R1
R359	C-CARBON R	RN72K1J-220JE	1	435032204R1
R360	C-CARBON R	RN72K1J-220JE	1	435032204R1
R361	C-CARBON R	RN72K1J-331JE	1	435033314R1
R362	C-CARBON R	RN72K1J-000JE	1	435030004R1
R364	C-CARBON R	RN72K1J-220JE	1	435032204R1
R365	C-CARBON R	RN72K1J-000JE	1	435030004R1

R501	C-CARBON R	RN72K1J-473JE	1	435034734R1
R503	C-CARBON R	RN72K1J-103JE	1	435031034R1
R504	C-CARBON R	RN72K1J-000JE	1	435030004R1
R505	C-CARBON R	RN72K1J-103JE	1	435031034R1
R508	C-CARBON R	RN72K1J-105JE	1	435031054R1
R509	C-CARBON R	RN72K1J-221JE	1	435032214R1
R510	C-CARBON R	RN72K1J-470JE	1	435034704R1
R511	C-CARBON R	RN72K1J-103JE	1	435031034R1
R512	C-CARBON R	RN72K1J-221JE	1	435032214R1
R514	C-CARBON R	RN72K1J-221JE	1	435032214R1
R515	C-R NET	RM7LJ470X04	1	43484747004R2
R520	C-CARBON R	RN72K1J-103JE	1	435031034R1
R521	C-R NET	RM7LJ470X04	1	43484747004R2
R532	C-CARBON R	RN72K1J-472JE	1	435034724R1
R533	C-CARBON R	RN72K1J-472JE	1	435034724R1
R534	C-R NET	RM7LJ103X04	1	43484710304R2
R538	C-CARBON R	RN72K1J-103JE	1	435031034R1
R539	C-R NET	RM7LJ470X04	1	43484747004R2
R543	C-CARBON R	RN72K1J-103JE	1	435031034R1
R544	C-R NET	RM7LJ221X04	1	43484722104R2
R550	C-R NET	RM7LJ470X04	1	43484747004R2
R551	C-CARBON R	RN72K1J-103JE	1	435031034R1
R552	C-CARBON R	RN72K1J-103JE	1	435031034R1
R554	C-CARBON R	RN72K1J-103JE	1	435031034R1
R560	C-CARBON R	RN72K1J-103JE	1	435031034R1
R562	C-CARBON R	RN72K1J-221JE	1	435032214R1
R565	C-R NET	RM7LJ470X04	1	43484747004R2
R566	C-CARBON R	RN72K1J-103JE	1	435031034R1
R568	C-CARBON R	RN72K1J-103JE	1	435031034R1
R570	C-CARBON R	RN72K1J-103JE	1	435031034R1
R572	C-CARBON R	RN72K1J-103JE	1	435031034R1
R573	C-CARBON R	RN72K1J-221JE	1	435032214R1
R574	C-R NET	RM7LJ470X04	1	43484747004R2
R579	C-CARBON R	RN72K1J-470JE	1	435034704R1
R580	C-R NET	RM7LJ103X04	1	43484710304R2
R582	C-R NET	RM7LJ221X04	1	43484722104R2
R590	C-CARBON R	RN72K1J-103JE	1	435031034R1
R595	C-R NET	RM7LJ221X04	1	43484722104R2
R596	C-CARBON R	RN72K1J-103JE	1	435031034R1
R599	C-R NET	RM7LJ103X04	1	43484710304R2
R601	C-R NET	RM7LJ470X04	1	43484747004R2
R605	C-CARBON R	RN72K1J-221JE	1	435032214R1
R606	C-CARBON R	RN72K1J-470JE	1	435034704R1
R607	C-CARBON R	RN72K1J-221JE	1	435032214R1
R609	C-CARBON R	RN72K1J-102JE	1	435031024R1
R610	C-CARBON R	RN72K1J-221JE	1	435032214R1
R611	C-CARBON R	RN72K1J-102JE	1	435031024R1
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R614	C-CARBON R	RN72K1J-103JE	1	435031034R1
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R618	C-CARBON R	RN72K1J-103JE	1	435031034R1
R619	C-CARBON R	RN72K1J-470JE	1	435034704R1
R621	C-CARBON R	RN72K1J-221JE	1	435032214R1
R622	C-CARBON R	RN72K1J-470JE	1	435034704R1
R623	C-CARBON R	RN72K1J-103JE	1	435031034R1
R624	C-CARBON R	RN72K1J-221JE	1	435032214R1
R625	C-CARBON R	RN72K1J-470JE	1	435034704R1
R627	C-CARBON R	RN72K1J-103JE	1	435031034R1
R631	C-CARBON R	RN72K1J-470JE	1	435034704R1
R632	C-CARBON R	RN72K1J-222JE	1	435032224R1
R633	C-CARBON R	RN72K1J-103JE	1	435031034R1
R634	C-CARBON R	RN72K1J-103JE	1	435031034R1
R635	C-CARBON R	RN72K1J-103JE	1	435031034R1
R636	C-CARBON R	RN72K1J-222JE	1	435032224R1
R637	C-CARBON R	RN72K1J-103JE	1	435031034R1
R638	C-CARBON R	RN72K1J-470JE	1	435034704R1
R639	C-CARBON R	RN72K1J-103JE	1	435031034R1
R640	C-CARBON R	RN72K1J-470JE	1	435034704R1
R641	C-CARBON R	RN72K1J-221JE	1	435032214R1
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R644	C-CARBON R	RN72K1J-221JE	1	435032214R1
R646	C-CARBON R	RN72K1J-221JE	1	435032214R1
R650	C-CARBON R	RN72K1J-221JE	1	435032214R1
R651	C-CARBON R	RN72K1J-103JE	1	435031034R1
R652	C-CARBON R	RN72K1J-102JE	1	435031024R1
R653	C-CARBON R	RN72K1J-105JE	1	435031054R1

R655	C-CARBON R	RN72K1J-223JE	1	435032234R1
R656	C-CARBON R	RN72K1J-223JE	1	435032234R1
R657	C-CARBON R	RN72K1J-224JE	1	435032244R1
R660	C-CARBON R	RN72K1J-221JE	1	435032214R1
R661	C-CARBON R	RN72K1J-221JE	1	435032214R1
R670	C-CARBON R	RN72K1J-472JE	1	435034724R1
R671	C-CARBON R	RN72K1J-272JE	1	435032724R1
R672	C-CARBON R	RN72K1J-472JE	1	435034724R1
R673	C-CARBON R	RN72K1J-272JE	1	435032724R1
R674	C-CARBON R	RN72K1J-472JE	1	435034724R1
R675	C-CARBON R	RN72K1J-272JE	1	435032724R1
R676	C-CARBON R	RN72K1J-472JE	1	435034724R1
R677	C-CARBON R	RN72K1J-272JE	1	435032724R1
R678	C-CARBON R	RN72K1J-224JE	1	435032244R1
R681	C-CARBON R	RN72K1J-103JE	1	435031034R1
R682	C-CARBON R	RN72K1J-103JE	1	435031034R1
R687	C-CARBON R	RN72K1J-103JE	1	435031034R1
R688	C-R NET	RM7LJ103X04	1	43484710304R2
R690	C-R NET	RM7LJ470X04	1	43484747004R2
R692	C-R NET	RM7LJ472X04	1	43484747204R2
R693	C-R NET	RM7LJ470X04	1	43484747004R2
R701	C-CARBON R	RN72K1J-000JE	1	435030004R1
R712	C-CARBON R	RN72K1J-102JE	1	435031024R1
R713	C-CARBON R	RN72K1J-222JE	1	435032224R1
R714	C-CARBON R	RN72K1J-103JE	1	435031034R1
R715	C-CARBON R	RN72K1J-103JE	1	435031034R1
R716	C-CARBON R	RN72K1J-470JE	1	435034704R1
R719	C-CARBON R	RN72K1J-102JE	1	435031024R1
R721	C-CARBON R	RN72K1J-102JE	1	435031024R1
R723	C-CARBON R	RN72K1J-101JE	1	435031014R1
R724	C-CARBON R	RN72K1J-101JE	1	435031014R1
R725	C-CARBON R	RN72K1J-221JE	1	435032214R1
R726	C-CARBON R	RN72K1J-273JE	1	435032734R1
R727	C-CARBON R	RN72K1J-103JE	1	435031034R1
R8100	C-CARBON R	RN72K1J-102JE	1	435031024R1
R8101	C-CARBON R	RN72K1J-000JE	1	435030004R1
R8102	C-CARBON R	RN72K1J-473JE	1	435034734R1
R8118	C-CARBON R	RN72K1J-102JE	1	435031024R1
R8119	C-CARBON R	RN72K1J-102JE	1	435031024R1
R8120	C-CARBON R	RN72K1J-000JE	1	435030004R1
R8121	C-CARBON R	RN72K1J-102JE	1	435031024R1
R8122	C-CARBON R	RN72K1J-473JE	1	435034734R1
R8125	C-CARBON R	RN72K1J-101JE	1	435031014R1
R8126	C-CARBON R	RN72K1J-101JE	1	435031014R1
R8127	C-CARBON R	RN72K1J-330JE	1	435033304R1
R8128	C-CARBON R	RN72K1J-331JE	1	435033314R1
R8129	C-CARBON R	RN72K1J-330JE	1	435033304R1
R8131	C-R NET	RM7LJ330X04	1	43484733004R2
R8132	C-R NET	RM7LJ101X04	1	43484710104R2
R8136	C-CARBON R	RN72K1J-102JE	1	435031024R1
R8138	C-CARBON R	RN72K1J-000JE	1	435030004R1
R8140	C-CARBON R	RN72K1J-473JE	1	435034734R1
R8142	C-CARBON R	RN72K1J-220JE	1	435032204R1
R8148	C-CARBON R	RN72K1J-473JE	1	435034734R1
R8150	C-R NET	RM7LJ470X04	1	43484747004R2
R8154	C-R NET	RM7LJ220X04	1	43484722004R2
R8158	C-CARBON R	RN72K1J-473JE	1	435034734R1
R8159	C-CARBON R	RN72K1J-182JE	1	435031824R1
R8160	C-CARBON R	RN72K1J-182JE	1	435031824R1
R8161	C-CARBON R	RN72K1J-821FE	1	435038212R1
R8162	C-CARBON R	RN72K1J-680JE	1	435036804R1
R8166	C-CARBON R	RN72K1J-102JE	1	435031024R1
R8167	C-CARBON R	RN72K1J-000JE	1	435030004R1
R8169	C-CARBON R	RN72K1J-473JE	1	435034734R1
R8172	C-CARBON R	RN72K1J-103JE	1	435031034R1
R8177	C-CARBON R	RN72K1J-101JE	1	435031014R1
R8178	C-CARBON R	RN72K1J-101JE	1	435031014R1
R8179	C-CARBON R	RN72K1J-101JE	1	435031014R1
R8180	C-CARBON R	RN72K1J-101JE	1	435031014R1
R8181	C-CARBON R	RN72K1J-100JE	1	435031004R1
R8182	C-CARBON R	RN72K1J-100JE	1	435031004R1
R8191	C-CARBON R	RN72K1J-103JE	1	435031034R1
R8192	C-CARBON R	RN72K1J-103JE	1	435031034R1
R8193	C-CARBON R	RN72K1J-103JE	1	435031034R1
R8194	C-CARBON R	RN72K1J-103JE	1	435031034R1
R820	C-CARBON R	RN72K1J-103JE	1	435031034R1

R8931	C-CARBON R	RN72K1J-104JE	1	435031044R1
R8933	C-CARBON R	RN72K1J-563FE	1	435035632R1
R8934	C-CARBON R	RN72K1J-274FE	1	435032742R1
R8935	C-CARBON R	RN72K1J-103FE	1	435031032R1
R8936	C-CARBON R	RN72K1J-103FE	1	435031032R1
R8951	C-CARBON R	RN72K1J-103JE	1	435031034R1
R8953	C-CARBON R	RN72K1J-333FE	1	435033332R1
R8954	C-CARBON R	RN72K1J-124FE	1	435031242R1
R8955	C-CARBON R	RN72K1J-103FE	1	435031032R1
R8956	C-CARBON R	RN72K1J-103FE	1	435031032R1
R8971	C-CARBON R	RN72K1J-102JE	1	435031024R1
R8973	C-CARBON R	RN72K1J-683FE	1	435036832R1
R8974	C-CARBON R	RN72K1J-123FE	1	435031232R1
R8975	C-CARBON R	RN72K1J-103FE	1	435031032R1
R8976	C-CARBON R	RN72K1J-103FE	1	435031032R1
[SW TRM]				
JL501B	PLUG	NPLG-3P916	1	25055963R2
JL801B	PLUG	NPLG-5P918	1	25055965R2
P2800B	SOCKET	IMSA-9618S-09A	1	25053334R2
P2800Bor	SOCKET	09FMN-SMT-A-TF	(1)	25052826R2
P281	SOCKET	NSCT-8P2471	1	25052574R2
P3101A	PLUG	NPLG-5P918	1	25055965R2
P701A	SOCKET	IMSA-9618S-23A	1	25053348R2
P701Aor	SOCKET	23FMN-SMT-A-TF	(1)	25052840R2
P751A	SOCKET	IMSA-9618S-09A	1	25053334R2
P751Aor	SOCKET	09FMN-SMT-A-TF	(1)	25052826R2
P752A	SOCKET	NSCT-9P2472	1	25052575R2
P8001B	SOCKET	29FMN-SMT-A-TF	1	25052846R2
P8003A	SOCKET	NSCT-9P2189	1	25052292
P8004B	SOCKET	IMSA-9618S-07A	1	25053332R2
P8004Bor	SOCKET	07FMN-SMT-A-TF	(1)	25052824R2
P801	PLUG	NPLG-2P116	1	25055132
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
P8901	SOCKET	NSCT-8P2471	1	25052574R2
P901B	PLUG	NPLG-5P918	1	25055965R2

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