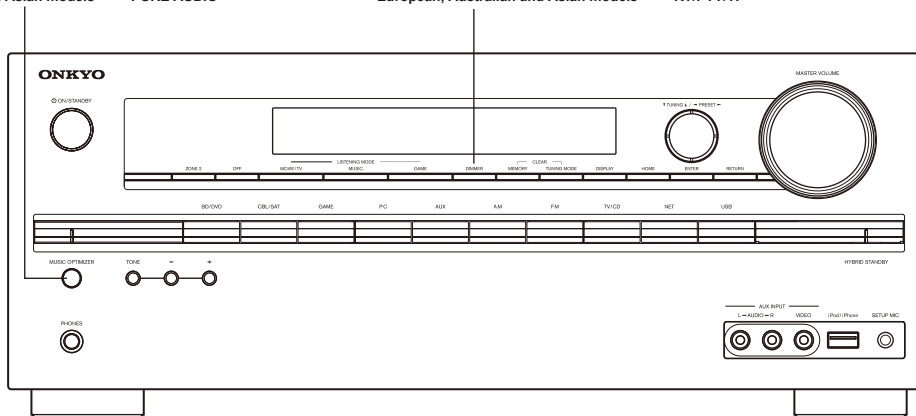


# ONKYO® SERVICE MANUAL

## AV RECEIVER MODEL TX-NR525(B)/(S)

North American and Taiwanese models ---> "MUSIC OPTIMIZER"  
European, Australian and Asian models ---> "PURE AUDIO"

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




RC-865M

### Black and Silver models

B MDC, B MDF	120V AC, 60Hz
B MMK, B MMQ, B MMR	220-240V AC, 50/60Hz
B MPP, B MPB, B MPA, S MPP	230V AC, 50Hz

### SAFETY-RELATED COMPONENT WARNING!!

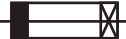
COMPONENTS IDENTIFIED BY MARK  ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL.


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

Onkyo Corporation  
Service Department

# SERVICE PROCEDURE-1

## 1. Replacing the fuses

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

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

- <Notes>  
 <MDC> : 120V,Canadian model  
 <MPP> : 230V,CE(European) country model  
 <MPB> : 230V,UK model  
 <MMK> : 220/230-240V, Korean model  
 <MMQ> : 220/230-240V,Hong kong model  
 <MPA> : 230V,Australian model  
 <MMR> : 220/230-240V,Chinese model  
 <MDF> : 120V,Taiwanese model

REF NO.	PART NAME	DESCRIPTION	PART NO.	REMARKS
F6401	FUSE	10A-UL/T-233	252330GR	!
F6401 or	FUSE	10A-T/UL-ST2	252333GR	!
F6402	FUSE	10A-UL/T-233	252330GR	!
F6402 or	FUSE	10A-T/UL-ST2	252333GR	!
F9002	FUSE	4A-SE-EAK	252077GR	! <MMK, MMQ, MMR, MPA, MPB, MPP>
F9002	FUSE	8A-UL/T-233	252329GR	! <MDC, MDF>
F9001	FUSE	1A-SEUL-TL250V	252397T	!
F201	FUSE	4A-SEUL-TL250V	252392T	!

## 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

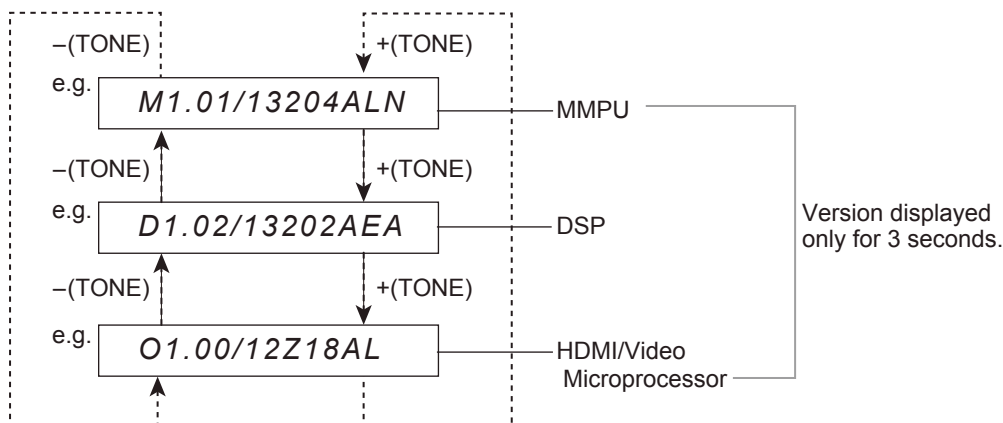
Press **ON/STANDBY** button while pressing down **VCR/DVR**(TX-NR525/HT-RC550 is **CBL/SAT**) button when the unit is POWER ON, then the FL displays "CLEAR", and turn to STAND-BY. Remove power cord from power line.

## 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. M1.01/13204ALN ————— 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.

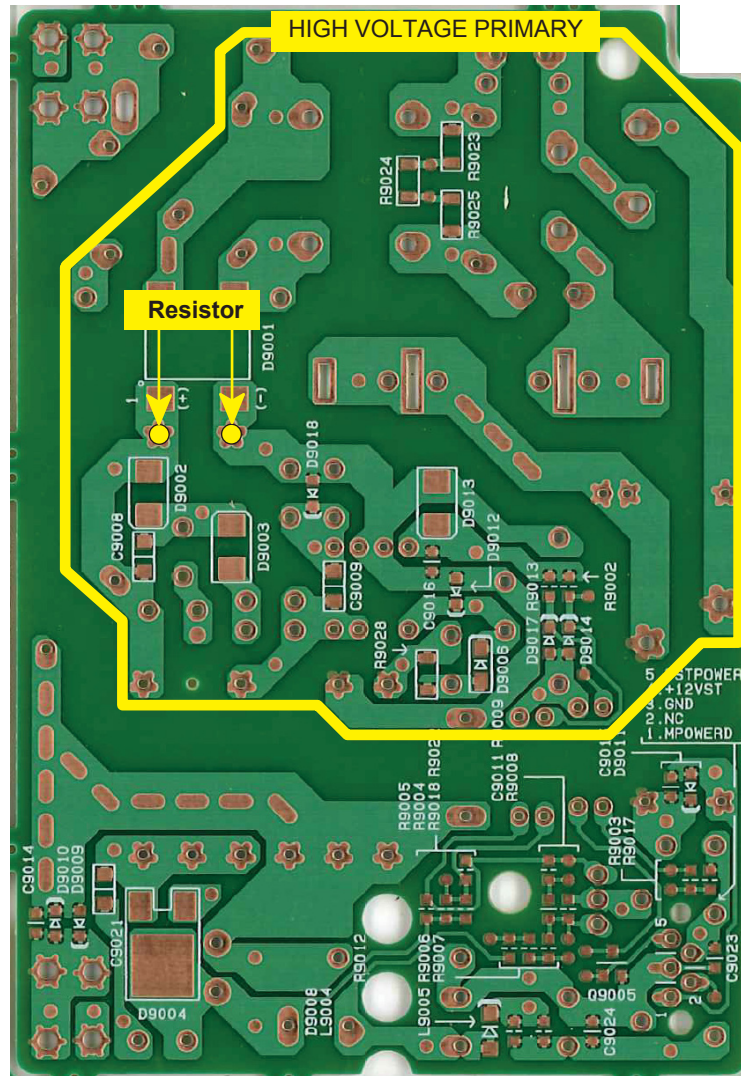


## SERVICE PROCEDURE-2

### 5. Notes on repairs (Power supply board)

Some parts on BAPS-1333 may remain high voltages even after the power cord is disconnected from AC power source. Before starting repair and any other work, please discharge C9002 by connecting resistors between its terminals. See the figure below(recommended resistor spec: 5 k ohms/ 10W)  
It is dangerous to touch the "HIGH VOLTAGE PRIMARY" area surrounded by white lines without discharging.

**U0063**  
POWER SUPPLY(PRI) PC BOARD ASS'Y  
BAPS-1333



## DEBUG MODE-1

### AUDIO DEBUG MODE-1/5

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

#### To set in Debug mode

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

e.g. *M1.01/13204ALN* — 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. *D1.02/13202AEA* — The version number of DSP is displayed only for 3 seconds.

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

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

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

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



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



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



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



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



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



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



*L :0000 0000*



*SW :0000 0000*



**Exit**

#### AUDIO debug mode

The status of DSP and DIR etc will be displayed.

## DEBUG MODE-2

## AUDIO DEBUG MODE-2/5

FL Display

Step-1

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

## 1. st\_srd.lmd

01	C_LM_LAST
02	C_LM_PURE
03	C_LM_DIRECT
04	C_LM_STEREO
05	C_LM_MONO
20	C_LM_SURR
50	C_LM_THX_MUSIC
70	C_LM_THX_GAME
90	C_LM_THX_CINEMA
A0	C_LM_THX_U2GAME
A8	C_LM_THX_U2MUSIC
B0	C_LM_THX_U2CINEMA
D0	C_LM_AUDYSSEY
48	C_LM_DTSS
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. st\_srd.extdecmd

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

## 2. st\_srd.extdec

00	C_EXTDEC_OFF
01	C_EXTDEC_20_PLI1
02	C_EXTDEC_20_PLI2
03	C_EXTDEC_20_PLI3
04	C_EXTDEC_20_PLI4
05	C_EXTDEC_51_MTR
06	C_EXTDEC_51_DSC
07	C_EXTDEC_51_NEO6
08	C_EXTDEC_51_EX
09	C_EXTDEC_51_PLI1
0A	C_EXTDEC_51_PLI2
0B	C_EXTDEC_9624
0C	C_EXTDEC_9624_MTR
0E	C_EXTDEC_71MULTI
0F	C_EXTDEC_20_NEURAL
10	C_EXTDEC_51_NEURAL

## 4. Muting port

D	DIGMUTE port
A	AMUTE port

## 5. Factor of muting

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

Step-2

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

## 6. Audio input channel

ANA	Analog
COX	Coaxial
OPT	Optical
HDM	HDMI
ARC	ARC

## 8. HDMI audio lock

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

## 10. RX mute

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

## 7. DSP decode

o	DSP Detect OK
x	DSP No Detect

## 9. Display inhibit frag

S	display_inhibit SET
C	display_inhibit CLR

## DEBUG MODE-3

## AUDIO DEBUG MODE-3/5

## Step-3

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

## 11. Source\_format

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

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

## 12. st\_srd.fs

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

## 13. st\_hd\_display.fs

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

## Step-4

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

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

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

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

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

## 15. Information of the LFE channel input

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

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

## 17. Number of channels after decoding

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

**DEBUG MODE-4****AUDIO DEBUG MODE-4/5**

Step-5

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

18. Audio output OK/NG

o	decode OK
x	decode NG

19. Details of input format

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

20. Details of the format for the FL display

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

Step-6

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

21. Dialog norm

Dialog Norm value from 0 to 31

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

o	LOCK
x	UNLOCK

23. Return value of DIR busy or free

Request\_dir (DDC\_BUSY)

F	Free
B	Busy

24. emphasis of information

ON	ON
OFF	OFF

25. HDDVD/BLUE(only DDPLUS)

BD	Bluray
HD	HDDVD

## DEBUG MODE-5

## AUDIO DEBUG MODE-5/5

Step-7

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

## 26. AudioIF DA830 input

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

## 27. Information of DIR Burst Preamble

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

## 28. DIR Free or Busy

F	Free
B	Busy

## 29. DIR Detect Fs

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

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

## 30. DIR sequence number

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

## 31. DIR switch sequence number

00	SEQ_SWITCH_POWEROFF
01	SEQ_SWITCH_RESET
02	SEQ_SWITCH_POWERON_WAIT
03	SEQ_SWITCH_CHANGE
04	SEQ_SWITCH_FREE

## 32. DAC sequence number

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

Step-8

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

## 33. Information of the input FS of DA830

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

## 34. Information of the output FS of DA830

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

## 35. Information of the input MCLK of DA830

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

## 36. State of the audio input of DA830

NO	AUD_STS_SOUND_NO
TRS	AUD_STS_SOUND_TRANS
STB	AUD_STS_SOUND_STAB



## DEBUG MODE-6

### HDMI 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	<p>4 8 0 I / 6 0 →</p> <p>4 8 0 P / 6 0 →</p> <p>"I" and "P" will be capitalized.</p>
VGA input signal	<p>* V G A →</p> <p>Display the " *" in column 1</p>
No input	<p>U n k n o w n →</p>

## DEBUG MODE-7

### HDMI DEBUG MODE-2/4

#### Display of Output Resolution

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

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

## DEBUG MODE-8

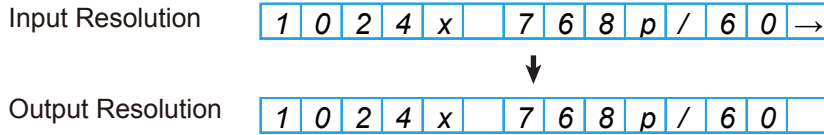
## HDMI DEBUG MODE-3/4

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
<b>INPUT/ OUTPUT</b>	<b>I N : * * O U T : * *</b>

**DEBUG MODE-9**  
**HDMI DEBUG MODE-4/4**

**PC Resolution**



<b>Display of Input resolution</b>		* * * * 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
<b>Display of Output resolution</b>		* * * * 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
<b>INPUT/ OUTPUT</b>		I N :    *    O U T :    *

## DEBUG MODE-10

### 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. M1.01/13204ALN — The version of main microprocessor is displayed only for 3 seconds.

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

e.g. - 80 °F 27 DD — Information Displayed

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

#### 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 **HOME** button again. The following information are displayed.

e.g. 01:23      10h  
 Time after Power on      Time after Initialize  
 xx : xx      xx hour

4. Press **RETURN** button. The information will be cleared.

e.g. ProtectData CLR

## 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.

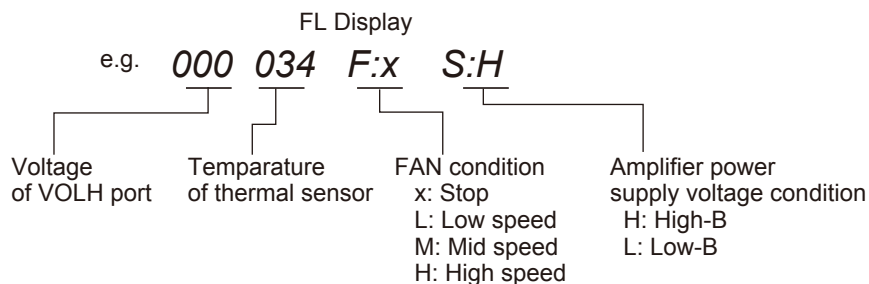
- Connect the receiver to the router.
- When set to TEST3-18 confirm that the display of AVR change IP adress.

\*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	
	A	B	IN1	F	IN1	H
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	
	A	B	IN1	F	IN1	H
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	A	OUT	OUR
5-05(BD/DVD)	-	---	---	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	0	0
TX-NR525	xx	8000	8000 TX-NR525 xx	N	R	5	2	5			x	x	8	0	0	0
HT-RC550	Dx	2002	2002 HT-RC550 Dx	R	C	5	5	0			D	x	2	0	0	2

#### 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_20Hz_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.

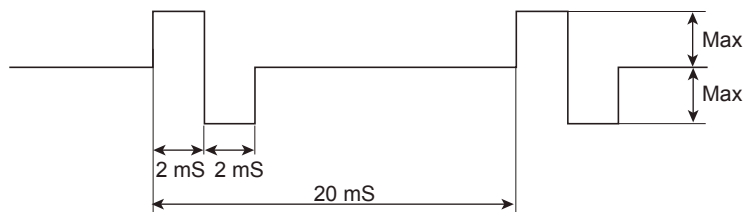
Moreover, whether make RELAY restoration time at the time of protection operation into 1 second, and PROTECT input "H" is detected how many times or it continues 1 second or more, RELAY is not held at OFF or POWER OFF is not carried out, either.

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 vorage 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	COMPONENT/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 VIEWS-2

## EXPLODED VIEW PARTS LIST TX-NR525(B)MDC (120V, Canadian/USA/(Mexico) model)

&lt;Note&gt;

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.

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
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	
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	
<b>[CHASSIS SCREW]</b>					
A003	LEG	(B)	4	27175464	
A005	CUSHION	(ZUL)	4	28141877	
A099	LABEL	(SP)525	1	29392277	
A101	REAR PANEL	TXNR525DC	1	27124486A	N

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[CABINET]</b>					
A201	F PANEL	TXNR525(B)DC	1	27213639B	N
A201 or	F PANEL	TXNR525(B)DC	( 1)	27213673	N
A203	CLEAR PLT	TXNR525(B)D	1	28192401	
A205	BADGE		1	28135317	
A213	KNOB	(SEL)	1	28326906A	
A215	KNOB	(TONE)(B)	1	28326918	
A217	KNOB	(INP)B	1	28327132	
A219	KNOB	(INP-L)B_525	1	28327134A	N
A221	KNOB	(INP-R)B_525	1	28327136A	N
A223	FACET	(KNOB)	2	28200072A	
A225	KNOB	(STBY)(B)	1	28326904	
A227	KNOB	(CUR)	1	28326907B	
A701	KNOB	(VOL)AS(B)_525	1	28327142	N
A723	COVER	(B) (Bent)	1	28210087B	
A723	COVER	(B) (Not Bent)	1	28210087BZ	
A731	LABEL	(COVER)	1	29390767	
A733	LABEL	HOOKUP-ONKYO	1	29363194	
<b>[TRANS COIL]</b>					
T901	P TRANS	NPT-1629D	1	2302067	!
<b>[SW TRM]</b>					
F6401	FUSE	10A-UL/T-233	1	252330GR	!
F6401 or	FUSE	10A-T/UL-ST2	( 1)	252333GR	!
F6402	FUSE	10A-UL/T-233	1	252330GR	!
F6402 or	FUSE	10A-T/UL-ST2	( 1)	252333GR	!
F9002	FUSE	8A-UL/T-233	1	252329GR	!
F9002E	LABEL	LABEL	1	29360842	
P701	FFC	NCFC5-232212	1	2045232212	
P9001	AC CORD	AS-UC-2	1	253368AYUN	!
P9001 or	AC CORD	AS-UC-2	( 1)	253368BLTK	!
<b>[TUNER UNIT]</b>					
U0010	AUDIO(AMP/ASP) PC BOARD AS	BAAF-1310-1E	1	1B2885310-1E	
U0011	THERMAL SENSOR PC BOARD AS	BAETC-1311-1E	1	1B2885311-1E	
U0012	FIX(SENSOR) PC BOARD AS	BAETC-1312-1E	1	1B2885312-1E	
U0014	TERMINAL(TRANS.) PC BOARD AS	BAETC-1314-1E	1	1B2885314-1E	
U0030	AMP(CLASS A) PC BOARD AS	BACLA-1318-1B	1	1B2885318-1B	
U0031	FIX(FFC) PC BOARD AS	BAETC-1319-1B	1	1B2885319-1B	
U0040	TERMINAL(SPEAKER/VIDEO) PC BOARD AS	BATRM-1335-1A	1	1B2885335-1A	
U0060	DISPLAY PC BOARD AS	BADIS-1330-1A	1	1B2885330-1A	
U0061	SWITCH/LED PC BOARD AS	BADIS-1331-1A	1	1B2885331-1A	
U0062	DIGITAL(DAC) PC BOARD AS	BADG-1332-1A	1	1B2885332-1A	
U0063	POWER SUPPLY(PRI) PC BOARD AS	BAPS-1333-1A	1	1B2885333-1A	
U0064	PHONE JACK PC BOARD AS	BAETC-1334-1A	1	1B2885334-1A	
U0080	HDMI PC BOARD AS	BAHDM-1347-1A	1	1B2885347-1A	
U009	TUNER UNIT	FAEH08-W01	1	240169A	

## EXPLODED VIEWS-3

## EXPLODED VIEW PARTS LIST TX-NR525(B)MPP (230V, CE(European) country model)

&lt;Note&gt;

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.
---

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
Q6050	TR	2SC5198-O	1	2203063	
Q6050 or	TR	2SC5198-R	( 1)	2203062	
Q6051	TR	2SC5198-O	1	2203063	
Q6051 or	TR	2SC5198-R	( 1)	2203062	
Q6052	TR	2SC5198-O	1	2203063	
Q6052 or	TR	2SC5198-R	( 1)	2203062	
Q6053	TR	2SC5198-O	1	2203063	
Q6053 or	TR	2SC5198-R	( 1)	2203062	
Q6054	TR	2SC5198-O	1	2203063	
Q6054 or	TR	2SC5198-R	( 1)	2203062	
Q6060	TR	2SA1941-O	1	2203053	
Q6060 or	TR	2SA1941-R	( 1)	2203052	
Q6061	TR	2SA1941-O	1	2203053	
Q6061 or	TR	2SA1941-R	( 1)	2203052	
Q6062	TR	2SA1941-O	1	2203053	
Q6062 or	TR	2SA1941-R	( 1)	2203052	
Q6063	TR	2SA1941-O	1	2203053	
Q6063 or	TR	2SA1941-R	( 1)	2203052	
Q6064	TR	2SA1941-O	1	2203053	
Q6064 or	TR	2SA1941-R	( 1)	2203052	
<b>[CHASSIS SCREW]</b>					
A003	LEG	(B)	4	27175464	
A005	CUSHION	(ZUL)	4	28141877	
A099	LABEL	(SP)525	1	29392277	
A101	REAR PANEL	TXNR525PP	1	27124488A	N
A129A	LABEL	(E-CON)	{ 1}	29364978	
<b>[CABINET]</b>					
A201	F PANEL	TXNR525(B)PP	1	27213640B	N
A201 or	F PANEL	TXNR525(B)PP	( 1)	27213674	N
A203	CLEAR PLT	TXNR525(B)P	1	28192402	N
A205	BADGE		1	28135317	
A213	KNOB	(SEL)	1	28326906A	
A215	KNOB	(TONE)(B)	1	28326918	
A217	KNOB	(INP)B	1	28327132	
A219	KNOB	(INP-L)B_525	1	28327134A	N
A221	KNOB	(INP-R)B_525	1	28327136A	N
A223	FACET	(KNOB)	2	28200072A	
A225	KNOB	(STBY)(B)	1	28326904	
A227	KNOB	(CUR)	1	28326907B	
A701	KNOB	(VOL)AS(B)_525	1	28327142	N
A723	COVER	(B) (Bent)	1	28210087B	
A731	LABEL	(COVER)	1	29390767	

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[TRANS COIL]</b>					
T901	P TRANS	NPT-1629P	1	2302068	N, !
<b>[SW TRM]</b>					
F6401	FUSE	10A-UL/T-233	1	252330GR	!
F6401 or	FUSE	10A-T/UL-ST2	( 1)	252333GR	!
F6402	FUSE	10A-UL/T-233	1	252330GR	!
F6402 or	FUSE	10A-T/UL-ST2	( 1)	252333GR	!
F9002	FUSE	4A-SE-EAK FUSE	1	252077GR	!
F9002E	LABEL	T4AL250V	1	29361732A	
P6601A	P RIVET	JB-407A-C	10	880052	
P701	FFC	NCFC5-232212	1	2045232212	
P9001	AC CORD	AS-CEE-2	1	253306VOL	!
P9001 or	AC CORD	AS-CEE-2	( 1)	253374LTK	!
P9001 or	AC CORD	AS-CEE-2	( 1)	253374YUN	!
<b>[TUNER UNIT]</b>					
U0010	AUDIO(AMP/ASP) PC BOARD AS	BAAF-1310-1F	1	1B2885310-1F	
U0011	THERMAL SENSOR PC BOARD AS	BAETC-1311-1F	1	1B2885311-1F	
U0012	FIX(SENSOR) PC BOARD AS	BAETC-1312-1F	1	1B2885312-1F	
U0014	TERMINAL(TRANS.) PC BOARD AS	BAETC-1314-1F	1	1B2885314-1F	
U0030	AMP(CLASS A) PC BOARD AS	BACLA-1318-1B	1	1B2885318-1B	
U0031	FIX(FFC) PC BOARD AS	BAETC-1319-1B	1	1B2885319-1B	
U0040	TERMINAL(SPEAKER/VIDEO) PC BOARD AS	BATRM-1335-1K	1	1B2885335-1K	
U0060	DISPLAY PC BOARD AS	BADIS-1330-1B	1	1B2885330-1B	
U0061	SWITCH/LED PC BOARD AS	BADIS-1331-1B	1	1B2885331-1B	
U0062	DIGITAL(DAC) PC BOARD AS	BADG-1332-1B	1	1B2885332-1B	
U0063	POWER SUPPLY(PRI) PC BOARD AS	BAPS-1333-1B	1	1B2885333-1B	
U0064	PHONE JACK PC BOARD AS	BAETC-1334-1B	1	1B2885334-1B	
U0080	HDMI PC BOARD AS	BAHDM-1347-1B	1	1B2885347-1B	
U009	TUNER UNIT	FAEH08-E01	1	240170A	

## EXPLODED VIEWS-4

## EXPLODED VIEW PARTS LIST TX-NR525(S)MPP (230V, CE(European) country model)

&lt;Note&gt;

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.
---

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
Q6050	TR	2SC5198-O	1	2203063	
Q6050 or	TR	2SC5198-R	( 1)	2203062	
Q6051	TR	2SC5198-O	1	2203063	
Q6051 or	TR	2SC5198-R	( 1)	2203062	
Q6052	TR	2SC5198-O	1	2203063	
Q6052 or	TR	2SC5198-R	( 1)	2203062	
Q6053	TR	2SC5198-O	1	2203063	
Q6053 or	TR	2SC5198-R	( 1)	2203062	
Q6054	TR	2SC5198-O	1	2203063	
Q6054 or	TR	2SC5198-R	( 1)	2203062	
Q6060	TR	2SA1941-O	1	2203053	
Q6060 or	TR	2SA1941-R	( 1)	2203052	
Q6061	TR	2SA1941-O	1	2203053	
Q6061 or	TR	2SA1941-R	( 1)	2203052	
Q6062	TR	2SA1941-O	1	2203053	
Q6062 or	TR	2SA1941-R	( 1)	2203052	
Q6063	TR	2SA1941-O	1	2203053	
Q6063 or	TR	2SA1941-R	( 1)	2203052	
Q6064	TR	2SA1941-O	1	2203053	
Q6064 or	TR	2SA1941-R	( 1)	2203052	
<b>[CHASSIS SCREW]</b>					
A003	LEG	(B)	4	27175464	
A005	CUSHION	(ZUL)	4	28141877	
A099	LABEL	(SP)525	1	29392277	
A101	REAR PANEL	TXNR525PP	1	27124488A	
A129A	LABEL	(E-CON)	{ 1}	29364978	
<b>[CABINET]</b>					
A201	F PANEL	TXNR525(S)PP	1	27213641B	N
A201 or	F PANEL	TXNR525(S)PP	( 1)	27213675	N
A203	CLEAR PLT	TXNR525(S)P	1	28192403	N
A205	BADGE		1	28135317	
A213	KNOB	(SEL)	1	28326906A	
A215	KNOB	(TONE)(S)	1	28326919	
A217	KNOB	(INP)S	1	28327133A	N
A219	KNOB	(INP-L)S_525	1	28327135A	N
A221	KNOB	(INP-R)S_525	1	28327137A	N
A223	FACET	(KNOB)	2	28200072A	
A225	KNOB	(STBY)(S)	1	28326905	
A227	KNOB	(CUR)	1	28326907B	
A701	KNOB	(VOL)AS(S)_525	1	28327143	N
A723	COVER	(S) (Bent)	1	28210088B	N
A731	LABEL	(COVER)	1	29390767	

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[TRANS COIL]</b>					
T901	P TRANS	NPT-1629P	1	2302068	!
<b>[SW TRM]</b>					
F6401	FUSE	10A-UL/T-233	1	252330GR	!
F6401 or	FUSE	10A-T/UL-ST2	( 1)	252333GR	!
F6402	FUSE	10A-UL/T-233	1	252330GR	!
F6402 or	FUSE	10A-T/UL-ST2	( 1)	252333GR	!
F9002	FUSE	4A-SE-EAK FUSE	1	252077GR	!
F9002E	LABEL	T4AL250V	1	29361732A	
P6601A	P RIVET	JB-407A-C	10	880052	
P701	FFC	NCFC5-232212	1	2045232212	
P9001	AC CORD	AS-CEE-2	1	253306VOL	!
P9001 or	AC CORD	AS-CEE-2	( 1)	253374LTK	!
P9001 or	AC CORD	AS-CEE-2	( 1)	253374YUN	!
<b>[TUNER UNIT]</b>					
U0010	AUDIO(AMP/ASP) PC BOARD AS	BAAF-1310-1F	1	1B2885310-1F	
U0011	THERMAL SENSOR PC BOARD AS	BAETC-1311-1F	1	1B2885311-1F	
U0012	FIX(SENSOR) PC BOARD AS	BAETC-1312-1F	1	1B2885312-1F	
U0014	TERMINAL(TRANS.) PC BOARD AS	BAETC-1314-1F	1	1B2885314-1F	
U0030	AMP(CLASS A) PC BOARD AS	BACLA-1318-1B	1	1B2885318-1B	
U0031	FIX(FFC) PC BOARD AS	BAETC-1319-1B	1	1B2885319-1B	
U0040	TERMINAL(SPEAKER/VIDEO) PC BOARD AS	BATRM-1335-1K	1	1B2885335-1K	
U0060	DISPLAY PC BOARD AS	BADIS-1330-1B	1	1B2885330-1B	
U0061	SWITCH/LED PC BOARD AS	BADIS-1331-1B	1	1B2885331-1B	
U0062	DIGITAL(DAC) PC BOARD AS	BADG-1332-1B	1	1B2885332-1B	
U0063	POWER SUPPLY(PRI) PC BOARD AS	BAPS-1333-1B	1	1B2885333-1B	
U0064	PHONE JACK PC BOARD AS	BAETC-1334-1B	1	1B2885334-1B	
U0080	HDMI PC BOARD AS	BAHDM-1347-1B	1	1B2885347-1B	
U009	TUNER UNIT	FAEH08-E01	1	240170A	

# EXPLODED VIEWS-5

## EXPLODED VIEW PARTS LIST TX-NR525(B)MPA (230V, Australian model)

&lt;Note&gt;

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.

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
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	
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	
<b>[CHASSIS SCREW]</b>					
A003	LEG	(B)	4	27175464	
A005	CUSHION	(ZUL)	4	28141877	
A099	LABEL	(SP)525	1	29392277	
A101	REAR PANEL	TXNR525PP	1	27124488A	N

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[CABINET]</b>					
A201	F PANEL	TXNR525(B)PP	1	27213640B	N
A201 or	F PANEL	TXNR525(B)PP	(1)	27213674	N
A203	CLEAR PLT	TXNR525(B)P	1	28192402	N
A205	BADGE		1	28135317	
A213	KNOB	(SEL)	1	28326906A	
A215	KNOB	(TONE)(B)	1	28326918	
A217	KNOB	(INP)B	1	28327132	
A219	KNOB	(INP-L)B_525	1	28327134A	N
A221	KNOB	(INP-R)B_525	1	28327136A	N
A223	FACET	(KNOB)	2	28200072A	
A225	KNOB	(STBY)(B)	1	28326904	
A227	KNOB	(CUR)	1	28326907B	
A701	KNOB	(VOL)AS(B)_525	1	28327142	N
A723	COVER	(B) (Bent)	1	28210087B	
A731	LABEL	(COVER)	1	29390767	
<b>[TRANS COIL]</b>					
T901	P TRANS	NPT-1629P	1	2302068	N, !
<b>[SW TRM]</b>					
F6401	FUSE	10A-UL/T-233	1	252330GR	!
F6401 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
F6402	FUSE	10A-UL/T-233	1	252330GR	!
F6402 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
F9002	FUSE	4A-SE-EAK FUSE	1	252077GR	!
F9002E	LABEL	T4AL250V	1	29361732A	
P6601A	P RIVET	JB-407A-C	10	880052	
P701	FFC	NCFC5-232212	1	2045232212	
P9001	AC CORD	AS-SAA	1	253388LTK	!
P9001 or	AC CORD	AS-SAA	(1)	253391VOL	!
<b>[TUNER UNIT]</b>					
U0010	AUDIO(AMP/ASP) PC BOARD AS	BAAF-1310-1F	1	1B2885310-1F	
U0011	THERMAL SENSOR PC BOARD AS	BAETC-1311-1F	1	1B2885311-1F	
U0012	FIX(SENSOR) PC BOARD AS	BAETC-1312-1F	1	1B2885312-1F	
U0014	TERMINAL(TRANS.) PC BOARD AS	BAETC-1314-1F	1	1B2885314-1F	
U0030	AMP(CLASS A) PC BOARD AS	BACLA-1318-1B	1	1B2885318-1B	
U0031	FIX(FFC) PC BOARD AS	BAETC-1319-1B	1	1B2885319-1B	
U0040	TERMINAL(SPEAKER/VIDEO) PC BOARD AS	BATRM-1335-1K	1	1B2885335-1K	
U0060	DISPLAY PC BOARD AS	BADIS-1330-1B	1	1B2885330-1B	
U0061	SWITCH/LED PC BOARD AS	BADIS-1331-1B	1	1B2885331-1B	
U0062	DIGITAL(DAC) PC BOARD AS	BADG-1332-1B	1	1B2885332-1B	
U0063	POWER SUPPLY(PRI) PC BOARD AS	BAPS-1333-1B	1	1B2885333-1B	
U0064	PHONE JACK PC BOARD AS	BAETC-1334-1B	1	1B2885334-1B	
U0080	HDMI PC BOARD AS	BAHDM-1347-1B	1	1B2885347-1B	
U009	TUNER UNIT	FAEH08-E01	1	240170A	



# EXPLODED VIEWS-6

## EXPLODED VIEW PARTS LIST TX-NR525(B)MPB (230V, UK model)

<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.

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
Q6050	TR	2SC5198-O	1	2203063	
Q6050 or	TR	2SC5198-R	(1)	2203062	
Q6051	TR	2SC5198-O	1	2203063	
Q6051 or	TR	2SC5198-R	(1)	2203062	
Q6052	TR	2SC5198-O	1	2203063	
Q6052 or	TR	2SC5198-R	(1)	2203062	
Q6053	TR	2SC5198-O	1	2203063	
Q6053 or	TR	2SC5198-R	(1)	2203062	
Q6054	TR	2SC5198-O	1	2203063	
Q6054 or	TR	2SC5198-R	(1)	2203062	
Q6060	TR	2SA1941-O	1	2203053	
Q6060 or	TR	2SA1941-R	(1)	2203052	
Q6061	TR	2SA1941-O	1	2203053	
Q6061 or	TR	2SA1941-R	(1)	2203052	
Q6062	TR	2SA1941-O	1	2203053	
Q6062 or	TR	2SA1941-R	(1)	2203052	
Q6063	TR	2SA1941-O	1	2203053	
Q6063 or	TR	2SA1941-R	(1)	2203052	
Q6064	TR	2SA1941-O	1	2203053	
Q6064 or	TR	2SA1941-R	(1)	2203052	
<b>[CHASSIS SCREW]</b>					
A003	LEG	(B)	4	27175464	
A005	CUSHION	(ZUL)	4	28141877	
A099	LABEL	(SP)525	1	29392277	
A101	REAR PANEL	TXNR525PP	1	27124488A	N
A129A	LABEL	(E-CON)	{1}	29364978	
<b>[CABINET]</b>					
A201	F PANEL	TXNR525(B)PP	1	27213640B	N
A201 or	F PANEL	TXNR525(B)PP	(1)	27213674	N
A203	CLEAR PLT	TXNR525(B)P	1	28192402	N
A205	BADGE		1	28135317	
A213	KNOB	(SEL)	1	28326906A	
A215	KNOB	(TONE)(B)	1	28326918	
A217	KNOB	(INP)B	1	28327132	
A219	KNOB	(INP-L)B_525	1	28327134A	N
A221	KNOB	(INP-R)B_525	1	28327136A	N
A223	FACET	(KNOB)	2	28200072A	
A225	KNOB	(STBY)(B)	1	28326904	
A227	KNOB	(CUR)	1	28326907B	
A701	KNOB	(VOL)AS(B)_525	1	28327142	N
A723	COVER	(B) (Bent)	1	28210087B	
A731	LABEL	(COVER)	1	29390767	

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[TRANS COIL]</b>					
T901	P TRANS	NPT-1629P	1	2302068	N, !
<b>[SW TRM]</b>					
F6401	FUSE	10A-UL/T-233	1	252330GR	!
F6401 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
F6402	FUSE	10A-UL/T-233	1	252330GR	!
F6402 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
F9002	FUSE	4A-SE-EAK FUSE	1	252077GR	!
F9002E	LABEL	T4AL250V	1	29361732A	
P6601A	P RIVET	JB-407A-C	10	880052	
P701	FFC	NCFC5-232212	1	2045232212	
P9001	AC CORD	AS-BS	1	253198LTK	!
P9001 or	AC CORD	AS-BS	(1)	253198VOL	!
<b>[TUNER UNIT]</b>					
U0010	AUDIO(AMP/ASP) PC BOARD AS	BAAF-1310-1F	1	1B2885310-1F	
U0011	THERMAL SENSOR PC BOARD AS	BAETC-1311-1F	1	1B2885311-1F	
U0012	FIX(SENSOR) PC BOARD AS	BAETC-1312-1F	1	1B2885312-1F	
U0014	TERMINAL(TRANS.) PC BOARD AS	BAETC-1314-1F	1	1B2885314-1F	
U0030	AMP(CLASS A) PC BOARD AS	BACLA-1318-1B	1	1B2885318-1B	
U0031	FIX(FFC) PC BOARD AS	BAETC-1319-1B	1	1B2885319-1B	
U0040	TERMINAL(SPEAKER/VIDEO) PC BOARD AS	BATRM-1335-1K	1	1B2885335-1K	
U0060	DISPLAY PC BOARD AS	BADIS-1330-1B	1	1B2885330-1B	
U0061	SWITCH/LED PC BOARD AS	BADIS-1331-1B	1	1B2885331-1B	
U0062	DIGITAL(DAC) PC BOARD AS	BADG-1332-1B	1	1B2885332-1B	
U0063	POWER SUPPLY(PRI) PC BOARD AS	BAPS-1333-1B	1	1B2885333-1B	
U0064	PHONE JACK PC BOARD AS	BAETC-1334-1B	1	1B2885334-1B	
U0080	HDMI PC BOARD AS	BAHDM-1347-1B	1	1B2885347-1B	
U009	TUNER UNIT	FAEH08-E01	1	240170A	

# EXPLODED VIEWS-7

## EXPLODED VIEW PARTS LIST TX-NR525(B)MDF (120V, Taiwanese model)

&lt;Note&gt;

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.

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
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	
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	
<b>[CHASSIS SCREW]</b>					
A003	LEG	(B)	4	27175464	
A005	CUSHION	(ZUL)	4	28141877	
A099	LABEL	(SP)525	1	29392277	
A101	REAR PANEL	TXNR525DF	1	27124487A	N

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[CABINET]</b>					
A201	F PANEL	TXNR525(B)DC	1	27213639B	N
A201 or	F PANEL	TXNR525(B)DC	(1)	27213673	N
A203	CLEAR PLT	TXNR525(B)D	1	28192401	
A205	BADGE		1	28135317	
A213	KNOB	(SEL)	1	28326906A	
A215	KNOB	(TONE)(B)	1	28326918	
A217	KNOB	(INP)B	1	28327132	
A219	KNOB	(INP-L)B_525	1	28327134A	N
A221	KNOB	(INP-R)B_525	1	28327136A	N
A223	FACET	(KNOB)	2	28200072A	
A225	KNOB	(STBY)(B)	1	28326904	
A227	KNOB	(CUR)	1	28326907B	
A701	KNOB	(VOL)AS(B)_525	1	28327142	N
A723	COVER	(B) (Bent)	1	28210087B	
A731	LABEL	(COVER)	1	29390767	
<b>[TRANS COIL]</b>					
T901	P TRANS	NPT-1629D	1	2302067	!
<b>[SW TRM]</b>					
F6401	FUSE	10A-UL/T-233	1	252330GR	!
F6401 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
F6402	FUSE	10A-UL/T-233	1	252330GR	!
F6402 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
F9002	FUSE	8A-UL/T-233	1	252329GR	!
F9002E	LABEL	LABEL	1	29360842	
P6601A	P RIVET	JB-407A-C	10	880052	
P701	FFC	NCFC5-232212	1	2045232212	
P900	AC INLET	R301X2PSn	1	25053358	!
P9001	AC CORD	AS-CNS	1	253431VOL	!
<b>[TUNER UNIT]</b>					
U0010	AUDIO(AMP/ASP) PC BOARD AS	BAAF-1310-1E	1	1B2885310-1E	
U0011	THERMAL SENSOR PC BOARD AS	BAETC-1311-1E	1	1B2885311-1E	
U0012	FIX(SENSOR) PC BOARD AS	BAETC-1312-1E	1	1B2885312-1E	
U0014	TERMINAL(TRANS.) PC BOARD AS	BAETC-1314-1E	1	1B2885314-1E	
U0030	AMP(CLASS A) PC BOARD AS	BACLA-1318-1B	1	1B2885318-1B	
U0031	FIX(FFC) PC BOARD AS	BAETC-1319-1B	1	1B2885319-1B	
U0040	TERMINAL(SPEAKER/VIDEO) PC BOARD AS	BATRM-1335-1A	1	1B2885335-1A	
U0060	DISPLAY PC BOARD AS	BADIS-1330-1A	1	1B2885330-1A	
U0061	SWITCH/LED PC BOARD AS	BADIS-1331-1A	1	1B2885331-1A	
U0062	DIGITAL(DAC) PC BOARD AS	BADG-1332-1A	1	1B2885332-1A	
U0063	POWER SUPPLY(PRI) PC BOARD AS	BAPS-1333-1A	1	1B2885333-1A	
U0064	PHONE JACK PC BOARD AS	BAETC-1334-1A	1	1B2885334-1A	
U0080	HDMI PC BOARD AS	BAHDM-1347-1D	1	1B2885347-1D	
U009	TUNER UNIT	FAEH08-W01	1	240169A	

## EXPLODED VIEWS-8

## EXPLODED VIEW PARTS LIST TX-NR525(B)MMK(220/230-240V, Korean country model)

&lt;Note&gt;

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.

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
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	
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	
<b>[CHASSIS SCREW]</b>					
A003	LEG	(B)	4	27175464	
A005	CUSHION	(ZUL)	4	28141877	
A099	LABEL	(SP)525	1	29392277	
A101	REAR PANEL	TXNR525MK/MQ	1	27124489A	N

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[CABINET]</b>					
A201	F PANEL	TXNR525(B)PP	1	27213640B	N
A201 or	F PANEL	TXNR525(B)PP	(1)	27213674	N
A203	CLEAR PLT	TXNR525(B)P	1	28192402	N
A205	BADGE		1	28135317	
A213	KNOB	(SEL)	1	28326906A	
A215	KNOB	(TONE)(B)	1	28326918	
A217	KNOB	(INP)B	1	28327132	
A219	KNOB	(INP-L)B 525	1	28327134A	N
A221	KNOB	(INP-R)B 525	1	28327136A	N
A223	FACET	(KNOB)	2	28200072A	
A225	KNOB	(STBY)(B)	1	28326904	
A227	KNOB	(CUR)	1	28326907B	
A701	KNOB	(VOL)AS(B) 525	1	28327142	N
A723	COVER	(B) (Bent)	1	28210087B	
A731	LABEL	(COVER)	1	29390767	
<b>[TRANS COIL]</b>					
T901	P TRANS	NPT-1629M	1	2302069	N, !
<b>[SW TRM]</b>					
F6401	FUSE	10A-UL/T-233	1	252330GR	!
F6401 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
F6402	FUSE	10A-UL/T-233	1	252330GR	!
F6402 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
F9002	FUSE	4A-SE-EAK FUSE	1	252077GR	!
F9002E	LABEL	T4AL250V	1	29361732A	
P6601A	P RIVET	JB-407A-C	10	880052	
P701	FFC	NCFC5-232212	1	2045232212	
P9001	AC CORD	AS-CEE-2	1	253306VOL	!
P9001 or	AC CORD	AS-CEE-2	(1)	253374LTK	!
P9001 or	AC CORD	AS-CEE-2	(1)	253374YUN	!
<b>[TUNER UNIT]</b>					
U0010	AUDIO(AMP/ASP) PC BOARD AS	BAAF-1310-1G	1	1B2885310-1G	
U0011	THERMAL SENSOR PC BOARD AS	BAETC-1311-1G	1	1B2885311-1G	
U0012	FIX(SENSOR) PC BOARD AS	BAETC-1312-1G	1	1B2885312-1G	
U0014	TERMINAL(TRANS.) PC BOARD AS	BAETC-1314-1G	1	1B2885314-1G	
U0030	AMP(CLASS A) PC BOARD AS	BACLA-1318-1B	1	1B2885318-1B	
U0031	FIX(FFC) PC BOARD AS	BAETC-1319-1B	1	1B2885319-1B	
U0040	TERMINAL(SPEAKER/VIDEO) PC BOARD AS	BATRM-1335-1K	1	1B2885335-1K	
U0060	DISPLAY PC BOARD AS	BADIS-1330-1B	1	1B2885330-1B	
U0061	SWITCH/LED PC BOARD AS	BADIS-1331-1B	1	1B2885331-1B	
U0062	DIGITAL(DAC) PC BOARD AS	BADG-1332-1B	1	1B2885332-1B	
U0063	POWER SUPPLY(PRI) PC BOARD AS	BAPS-1333-1B	1	1B2885333-1B	
U0064	PHONE JACK PC BOARD AS	BAETC-1334-1B	1	1B2885334-1B	
U0080	HDMI PC BOARD AS	BAHDM-1347-1B	1	1B2885347-1B	
U009	TUNER UNIT	FAEH08-E01	1	240170A	

## EXPLODED VIEWS-9

## EXPLODED VIEW PARTS LIST TX-NR525(B)MMQ(220/230-240V, Hong kong/Saudi Arabian model)

&lt;Note&gt;

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.
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REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
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	
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	
<b>[CHASSIS SCREW]</b>					
A003	LEG	(B)	4	27175464	
A005	CUSHION	(ZUL)	4	28141877	
A099	LABEL	(SP)525	1	29392277	
A101	REAR PANEL	TXNR525MK/MQ	1	27124489A	N

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[CABINET]</b>					
A201	F PANEL	TXNR525(B)PP	1	27213640B	N
A201 or	F PANEL	TXNR525(B)PP	(1)	27213674	N
A203	CLEAR PLT	TXNR525(B)P	1	28192402	N
A205	BADGE		1	28135317	
A213	KNOB	(SEL)	1	28326906A	
A215	KNOB	(TONE)(B)	1	28326918	
A217	KNOB	(INP)B	1	28327132	
A219	KNOB	(INP-L)B_525	1	28327134A	N
A221	KNOB	(INP-R)B_525	1	28327136A	N
A223	FACET	(KNOB)	2	28200072A	
A225	KNOB	(STBY)(B)	1	28326904	
A227	KNOB	(CUR)	1	28326907B	
A701	KNOB	(VOL)AS(B)_525	1	28327142	N
A723	COVER	(B) (Bent)	1	28210087B	
A731	LABEL	(COVER)	1	29390767	
<b>[TRANS COIL]</b>					
T901	P TRANS	NPT-1629M	1	2302069	N, !
<b>[SW TRM]</b>					
F6401	FUSE	10A-UL/T-233	1	252330GR	!
F6401 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
F6402	FUSE	10A-UL/T-233	1	252330GR	!
F6402 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
F9002	FUSE	4A-SE-EAK FUSE	1	252077GR	!
F9002E	LABEL	T4AL250V	1	29361732A	
P6601A	P RIVET	JB-407A-C	10	880052	
P701	FFC	NCFC5-232212	1	2045232212	
P9001	AC CORD	AS-BS	1	253198LTK	!
<b>[TUNER UNIT]</b>					
U0010	AUDIO(AMP/ASP) PC BOARD AS	BAAF-1310-1G	1	1B2885310-1G	
U0011	THERMAL SENSOR PC BOARD AS	BAETC-1311-1G	1	1B2885311-1G	
U0012	FIX(SENSOR) PC BOARD AS	BAETC-1312-1G	1	1B2885312-1G	
U0014	TERMINAL(TRANS.) PC BOARD AS	BAETC-1314-1G	1	1B2885314-1G	
U0030	AMP(CLASS A) PC BOARD AS	BACLA-1318-1B	1	1B2885318-1B	
U0031	FIX(FFC) PC BOARD AS	BAETC-1319-1B	1	1B2885319-1B	
U0040	TERMINAL(SPEAKER/VIDEO) PC BOARD AS	BATRM-1335-1K	1	1B2885335-1K	
U0060	DISPLAY PC BOARD AS	BADIS-1330-1B	1	1B2885330-1B	
U0061	SWITCH/LED PC BOARD AS	BADIS-1331-1B	1	1B2885331-1B	
U0062	DIGITAL(DAC) PC BOARD AS	BADG-1332-1B	1	1B2885332-1B	
U0063	POWER SUPPLY(PRI) PC BOARD AS	BAPS-1333-1B	1	1B2885333-1B	
U0064	PHONE JACK PC BOARD AS	BAETC-1334-1B	1	1B2885334-1B	
U0080	HDMI PC BOARD AS	BAHDM-1347-1B	1	1B2885347-1B	
U009	TUNER UNIT	FAEH08-E01	1	240170A	

# EXPLODED VIEWS-10

## EXPLODED VIEW PARTS LIST TX-NR525(B)MMR(220/230-240V, Chinese model)

&lt;Note&gt;

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.

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[SEMI CONDUCTOR]</b>					
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	
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	
<b>[CHASSIS SCREW]</b>					
A003	LEG	(B)	4	27175464	
A005	CUSHION	(ZUL)	4	28141877	
A099	LABEL	(SP)525	1	29392277	
A101	REAR PANEL	TXNR525MR	1	27124490A	N

**[CABINET]**

A201	F PANEL	TXNR525(B)PP	1	27213640B	N
A201 or	F PANEL	TXNR525(B)PP	(1)	27213674	N
A203	CLEAR PLT	TXNR525(B)P	1	28192402	N
A205	BADGE		1	28135317	
A213	KNOB	(SEL)	1	28326906A	
A215	KNOB	(TONE)(B)	1	28326918	
A217	KNOB	(INP)B	1	28327132	
A219	KNOB	(INP-L)B 525	1	28327134A	N
A221	KNOB	(INP-R)B 525	1	28327136A	N
A223	FACET	(KNOB)	2	28200072A	
A225	KNOB	(STBY)(B)	1	28326904	
A227	KNOB	(CUR)	1	28326907B	
A701	KNOB	(VOL)AS(B) 525	1	28327142	N
A723	COVER	(B) (Bent)	1	28210087B	
A731	LABEL	(COVER)	1	29390767	
A739	LABEL	(CCC)	1	29364396	

**[TRANS COIL]**

T901	P TRANS	NPT-1629M	1	2302069	N, !
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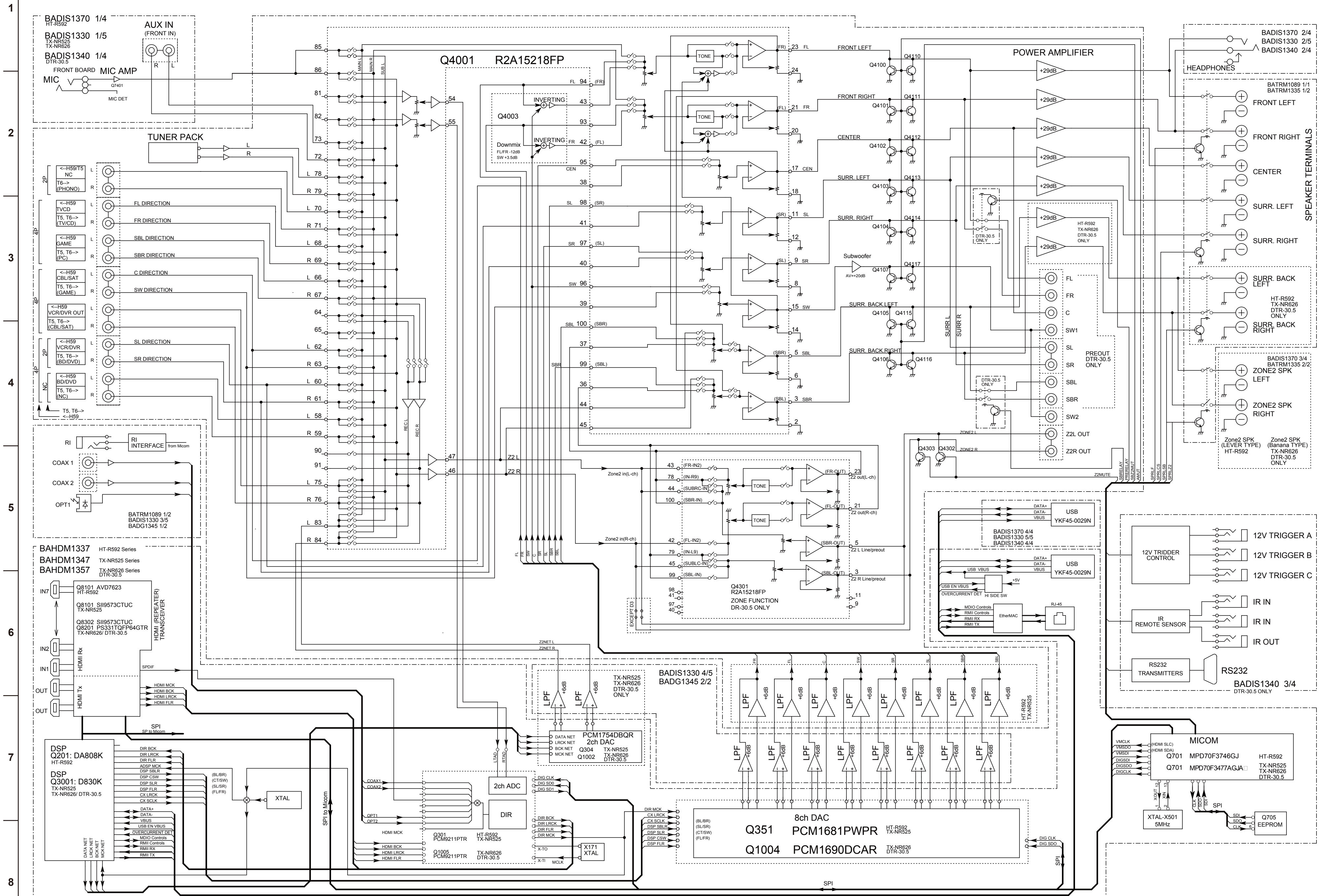
**[SW TRM]**

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	!
F9002	FUSE	4A-SE-EAK FUSE	1	252077GR	!
F9002E	LABEL	T4AL250V	1	29361732A	
P6601A	P RIVET	JB-407A-C	10	880052	
P701	FFC	NCFC5-232212	1	2045232212	
P9001	AC CORD	AS-CCC	1	253355VOL	!
P9001 or	AC CORD	AS-CCC	(1)	253377LTK	!

**[TUNER UNIT]**

U0010	AUDIO(AMP/ASP) PC BOARD AS	BAAF-1310-1G	1	1B2885310-1G	
U0011	THERMAL SENSOR PC BOARD AS	BAETC-1311-1G	1	1B2885311-1G	
U0012	FIX(SENSOR) PC BOARD AS	BAETC-1312-1G	1	1B2885312-1G	
U0014	TERMINAL(TRANS.) PC BOARD AS	BAETC-1314-1G	1	1B2885314-1G	
U0030	AMP(CLASS A) PC BOARD AS	BACLA-1318-1B	1	1B2885318-1B	
U0031	FIX(FFC) PC BOARD AS	BAETC-1319-1B	1	1B2885319-1B	
U0040	TERMINAL(SPEAKER/VIDEO) PC BOARD AS	BATRM-1335-1K	1	1B2885335-1K	
U0060	DISPLAY PC BOARD AS	BADIS-1330-1B	1	1B2885330-1B	
U0061	SWITCH/LED PC BOARD AS	BADIS-1331-1B	1	1B2885331-1B	
U0062	DIGITAL(DAC) PC BOARD AS	BADG-1332-1B	1	1B2885332-1B	
U0063	POWER SUPPLY(PRI) PC BOARD AS	BAPS-1333-1B	1	1B2885333-1B	
U0064	PHONE JACK PC BOARD AS	BAETC-1334-1B	1	1B2885334-1B	
U0080	HDMI PC BOARD AS	BAHDM-1347-1B	1	1B2885347-1B	
U006	HDM-AS	BAHDM-1347-1B	1	1B288547-1B	N
U009	TUNER UNIT	FAEH08-E01	1	240170A	

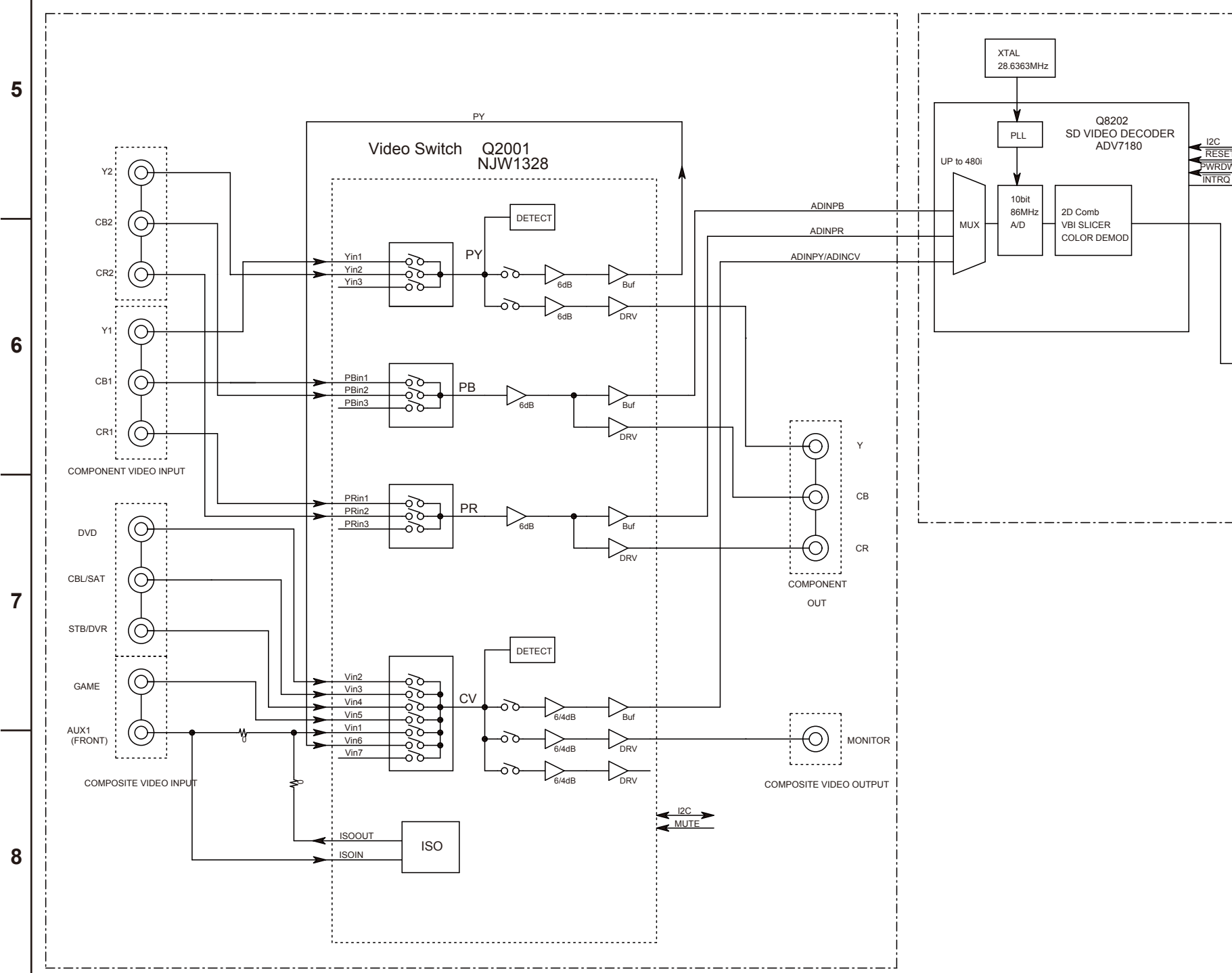
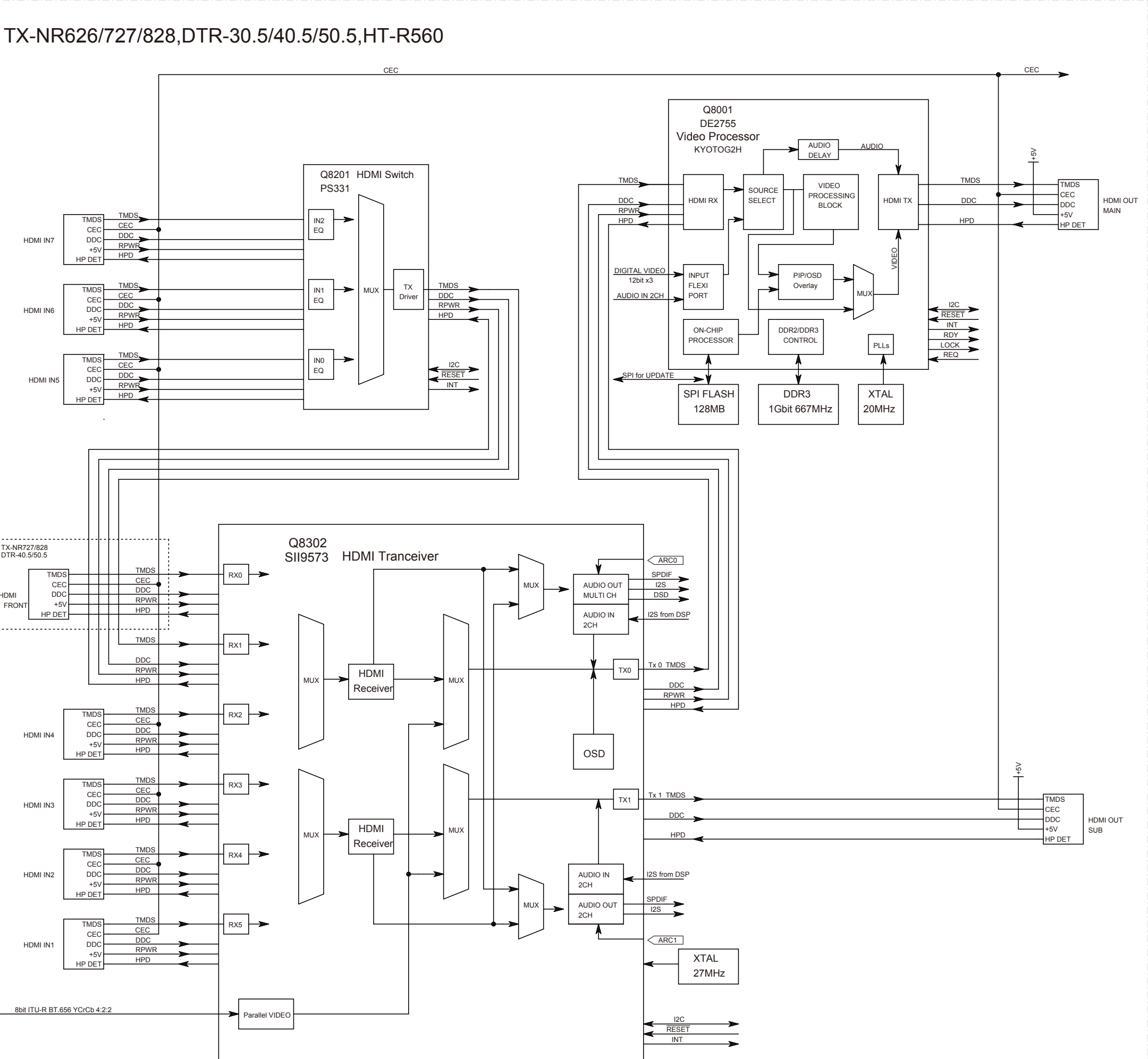
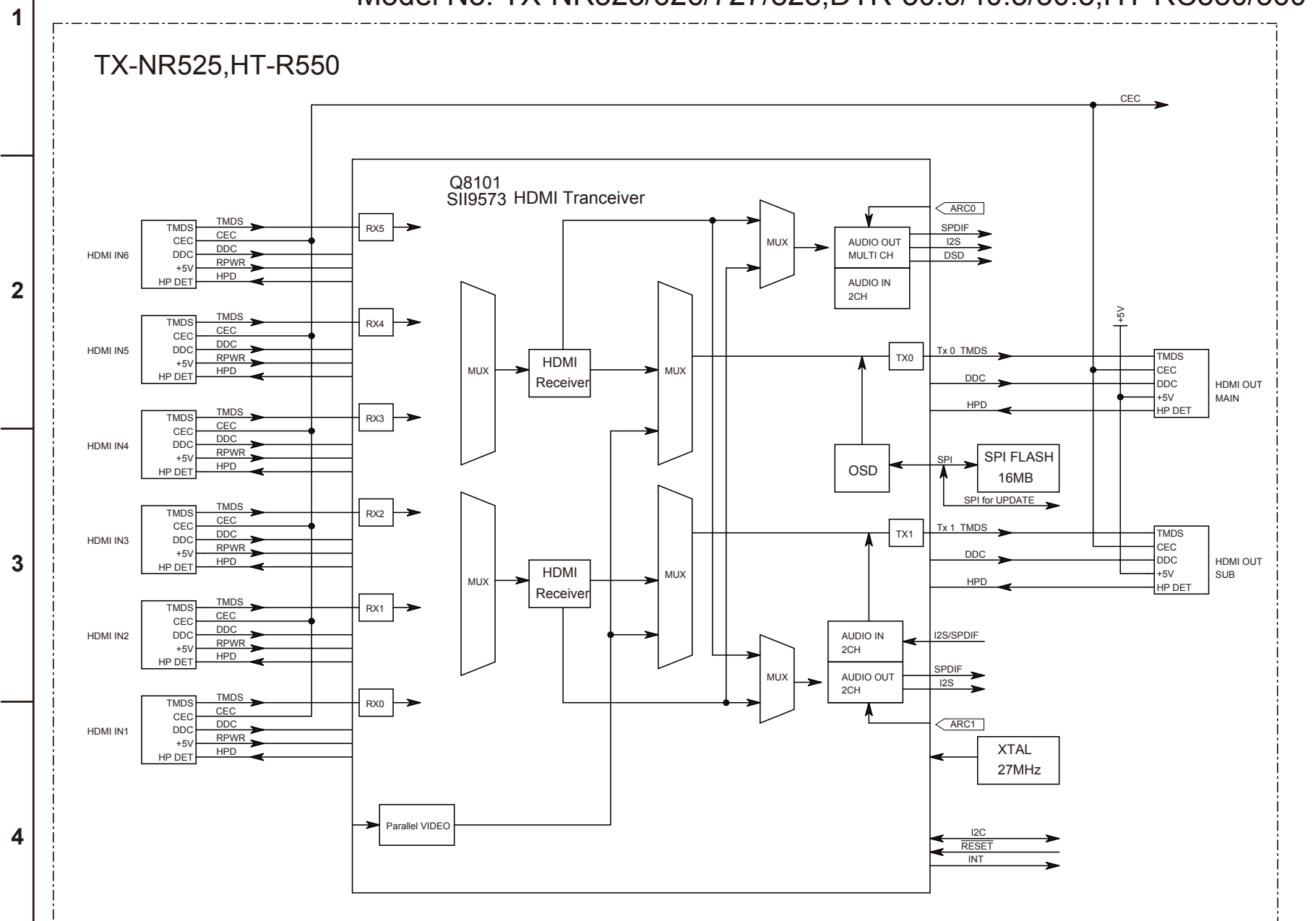
# SCHEMATIC DIAGRAMS-01(PART-1) BLOCK DIAGRAM AUDIO SECTION



**SCHEMATIC DIAGRAMS-02(PART-2)**  
**BLOCK DIAGRAM VIDEO SECTION**

Model No. TX-NR525/626/727/828,DTR-30.5/40.5/50.5,HT-RC550/560

SCHEMATIC DIAGRAM (PART-2) BLOCK DIAGRAM(VIDEO)



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

1

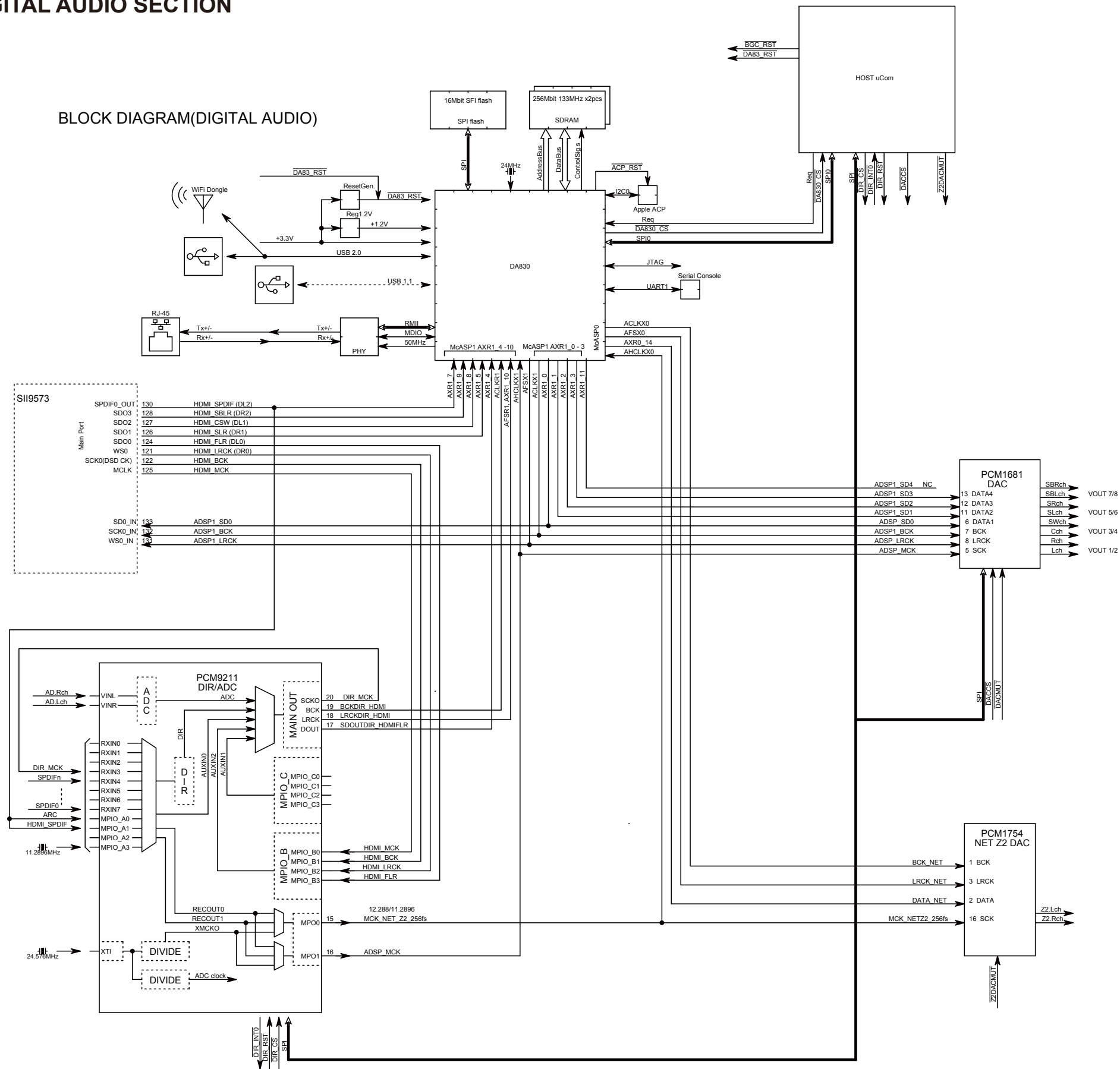
2

3

4

5

**BLOCK DIAGRAM(DIGITAL AUDIO)**





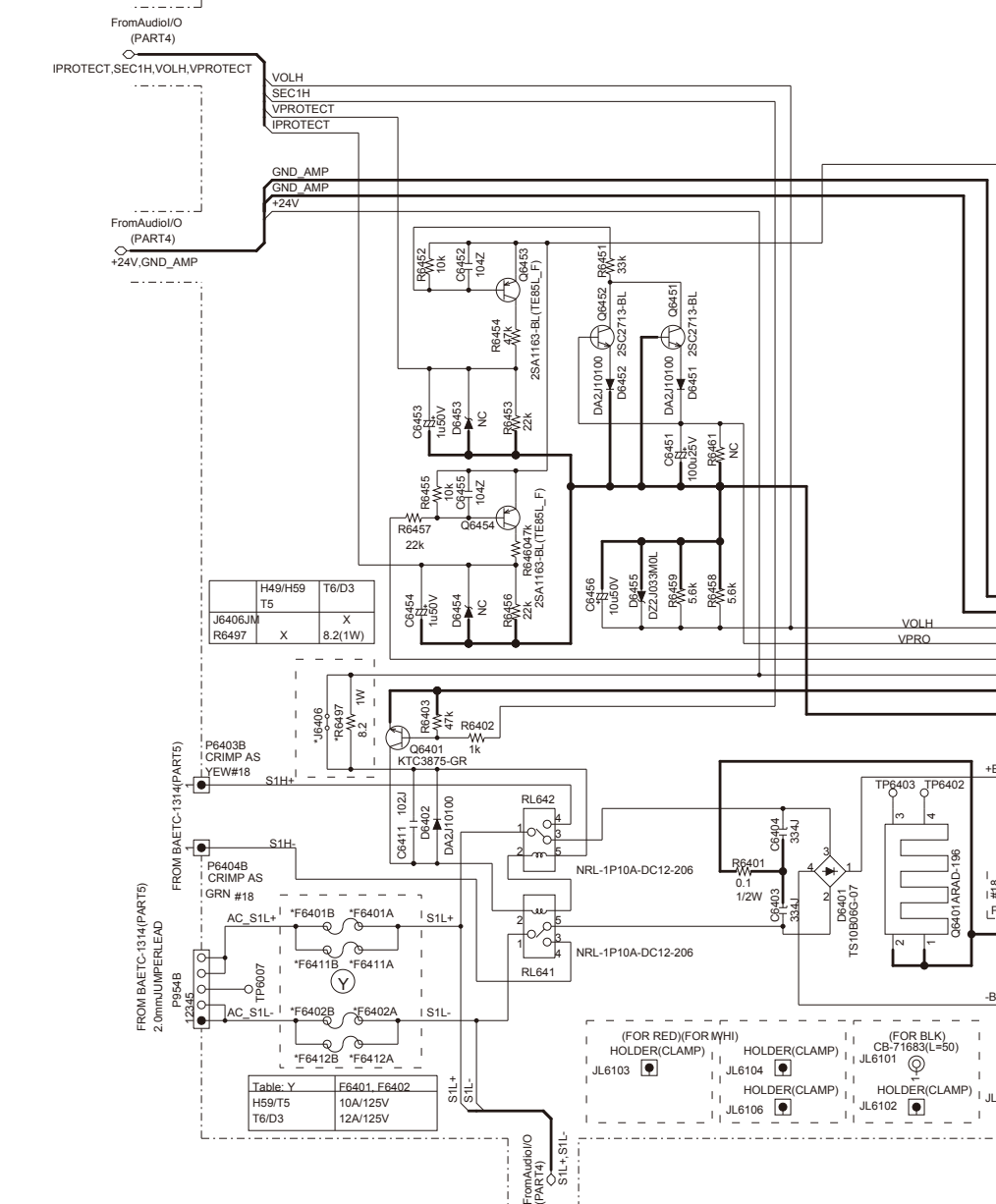


**SCHEMATIC DIAGRAMS-05(PART-5)**  
**AMP SECTION**

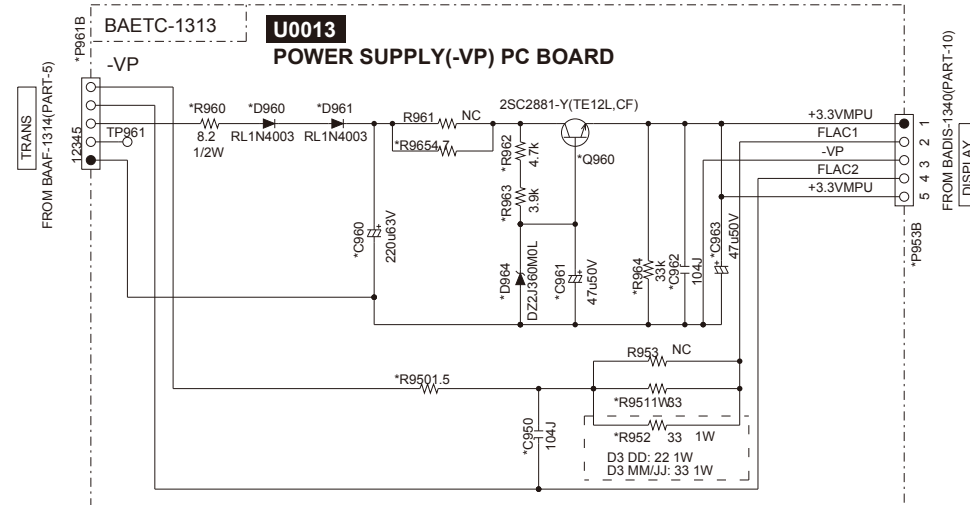
	H59H59 -1C 7ch US	T5 -1D 7ch EX	T5T5 -1E 5ch US	T5T5 -1F 5ch EU	T6T6D3 -1H 7ch US	-1J EUIEX	T6D3 -1K 7ch JJ	-1L 7ch US	-1M 7ch EX	D3 -1N 7ch JJ	
Table:WL6000-02	R6430-32	XO	X	O	X	X	X	O	O	X	FL/FRIC AMP
	J6700-02	O	X	O	X	X	X	O	O	X	
	L6003-04	XO	X	O	X	O	XX	O	O	X	SL/SR AMP
	R6703-04	O	X	O	X	X	X	O	O	X	
Table:X		OO	X	X	X	OOO		OOO			SBL/R AMP Zone2 SPKR
	L6005-06	XO	X	X	X	X	O	XX	O	X	
	R6435-36	XO	X	X	X	X	O	XX	O	X	
	J6705-06	OX	X	XX	X	O	X	O	O	X	
Table:Y	F6401-02	10A10A10A10A10A									SIL FUSE
	F6411-12	10A10A10A10A10A									
Table:Z	C6401-02	8200R000	83V	83V/83V	8200R000	83V/83V	82001000	89V	10000	10000	Main CAP

CODE	MODEL
H59	HT-R592
T5	TX-NR525/HT-RC550
T6TX-NR626/HT-RC560	
D3	DTR-30.5

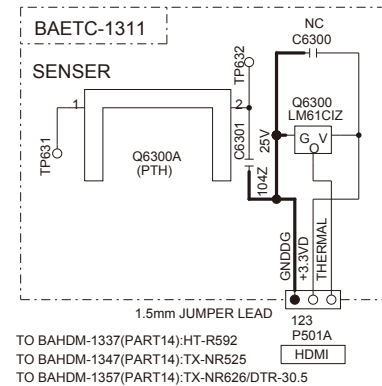
**BAAF-1310(2/2)**  
**ASP/AMP**  
**U0010**  
**AUDIO(AMP/ASP) PC BOARD**



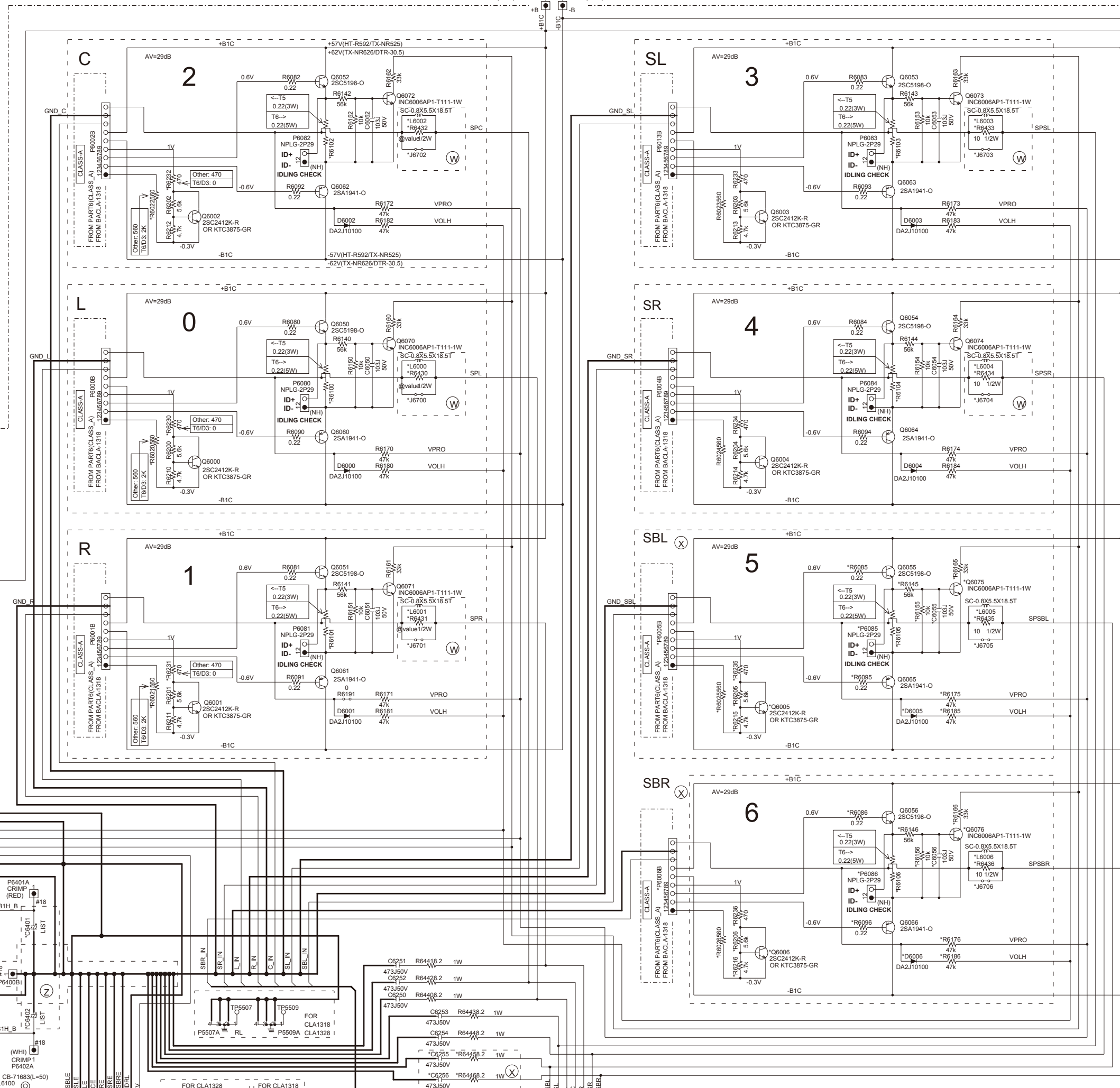
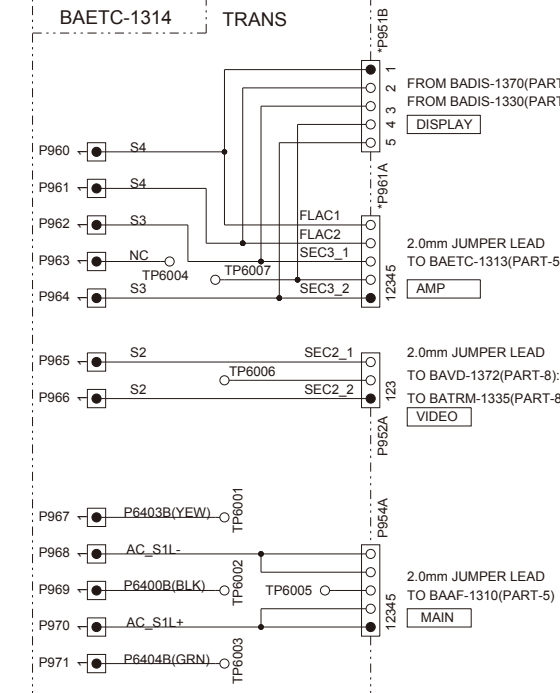
**DTR-30.5 ONLY**  
**BAETC-1313**  
**U0013**  
**POWER SUPPLY(-VP) PC BOARD**



**U0011**  
**THERMAL SENSOR PC BOARD**



**U0014**  
**TERMINAL(TRANS.) PC BOARD**



# SCHEMATIC DIAGRAMS-06(PART-6)

## AMP CLASS-A SECTION

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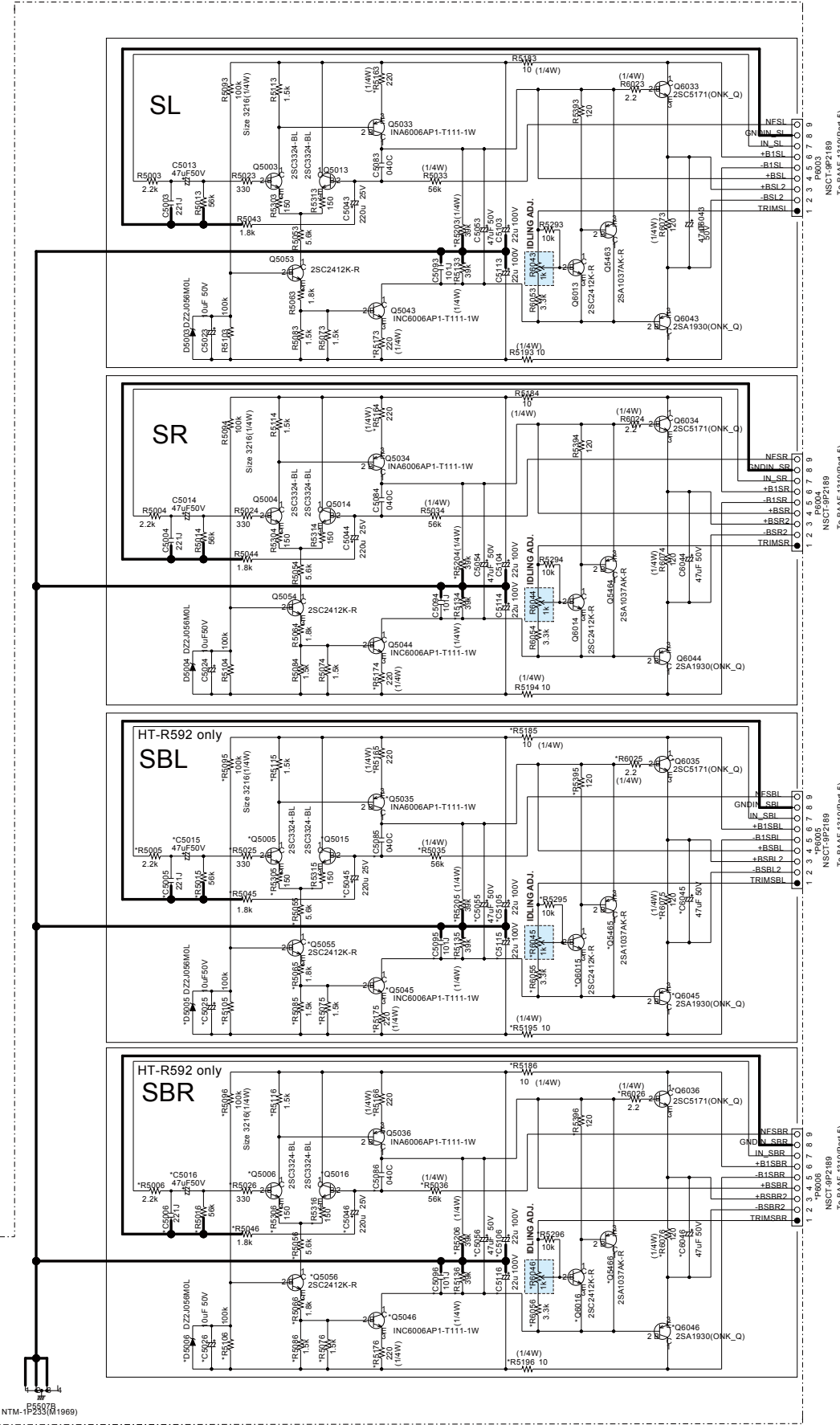
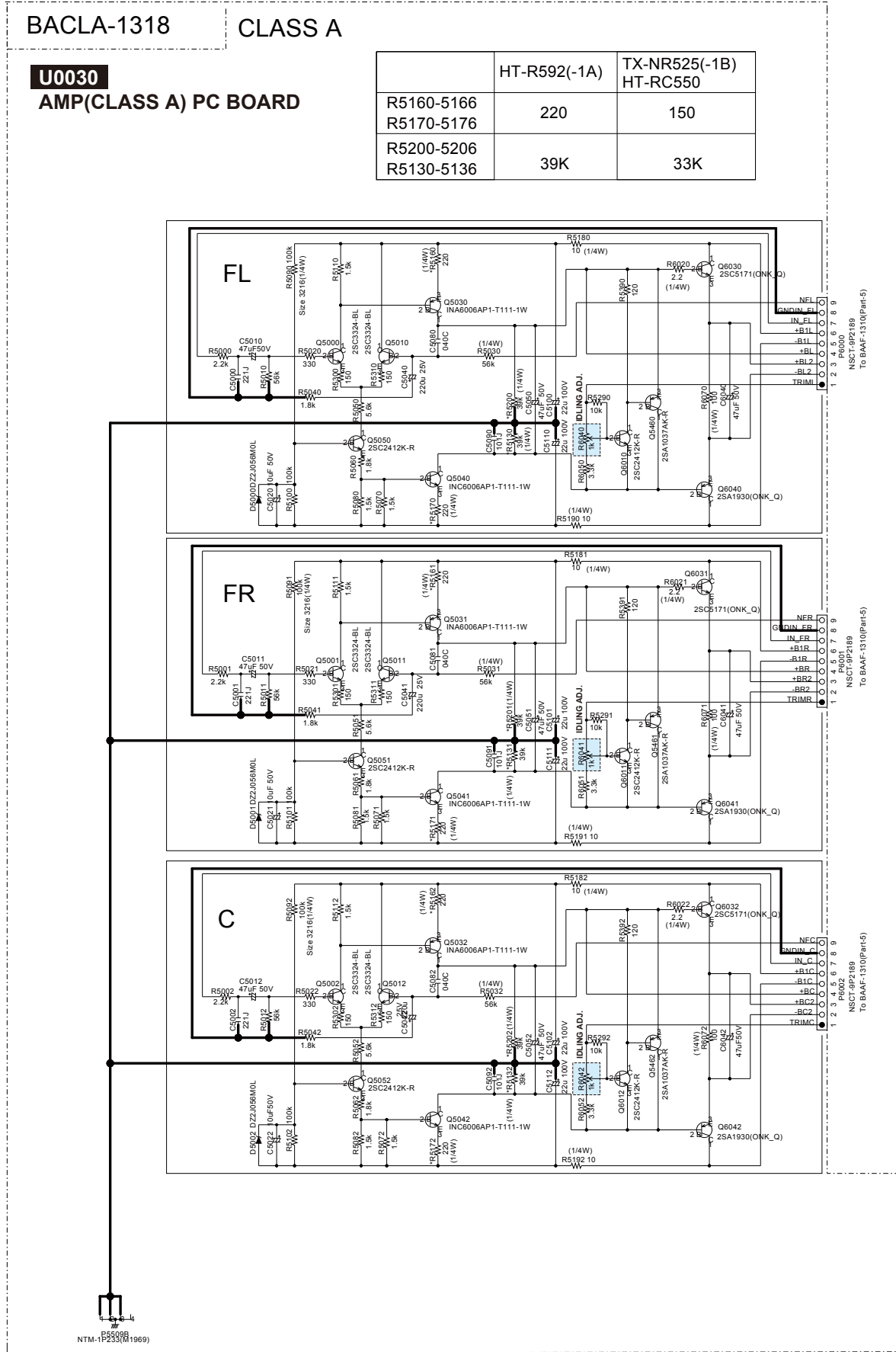
### ADJUSTMENT OF IDLING CURRENT

[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



# SCHEMATIC DIAGRAMS-07(PART-7)

## DG(DAC LPF) SECTION

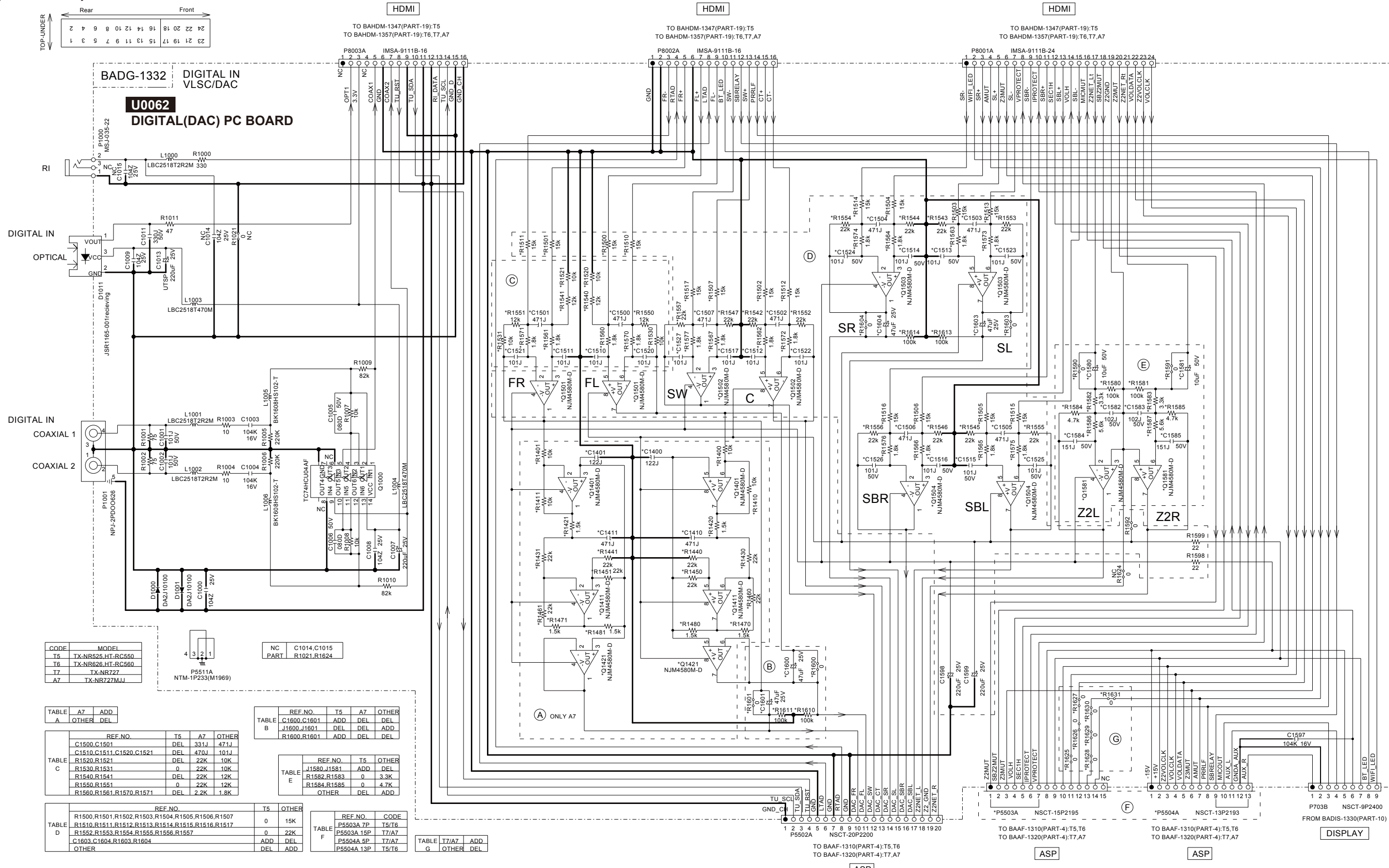
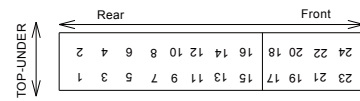
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CODE	MODEL
T5	TX-NR525,HT-RC550
T6	TX-NR626,HT-RC560
T7	TX-NR727
A7	TX-NR727MJ

NC	C1014,C1015
PART	R1021,R1624

TABLE A	A7	ADD
	OTHER	DEL

TABLE B	REF. NO.	T5	A7	OTHER
	C1600,C1601	ADD	DEL	DEL
	J1600,J1601	DEL	DEL	ADD
	R1600,R1601	ADD	DEL	DEL

TABLE C	REF. NO.	T5	OTHER
	C1500,C1501	DEL	331J 471J
	C1510,C1511,C1520,C1521	DEL	470J 101J
	R1520,R1521	DEL	22K 10K
	R1530,R1531	0	22K 10K
	R1540,R1541	DEL	22K 12K
	R1550,R1551	0	22K 12K
	R1560,R1561,R1570,R1571	DEL	2.2K 1.8K

TABLE D	REF. NO.	T5	OTHER
	R1500,R1501,R1502,R1503,R1504,R1505,R1506,R1507	0	15K
	R1510,R1511,R1512,R1513,R1514,R1515,R1516,R1517	0	22K
	R1552,R1553,R1554,R1555,R1556,R1557	ADD	DEL
	C1603,C1604,R1603,R1604	ADD	DEL
	OTHER	DEL	ADD

TABLE E	REF. NO.	T5	OTHER
	J1580,J1581	ADD	DEL
	R1582,R1583	0	3.3K
	R1584,R1585	0	4.7K
	OTHER	DEL	ADD

TABLE F	REF. NO.	CODE
	P5503A 7P	T5/T6
	P5503A 15P	T7/A7
	P5504A 5P	T7/A7
	P5504A 13P	T5/T6

TABLE G	T7/A7	ADD
	OTHER	DEL

**SCHEMATIC DIAGRAMS-08(PART-8)**  
**VIDEO SECTION**

1

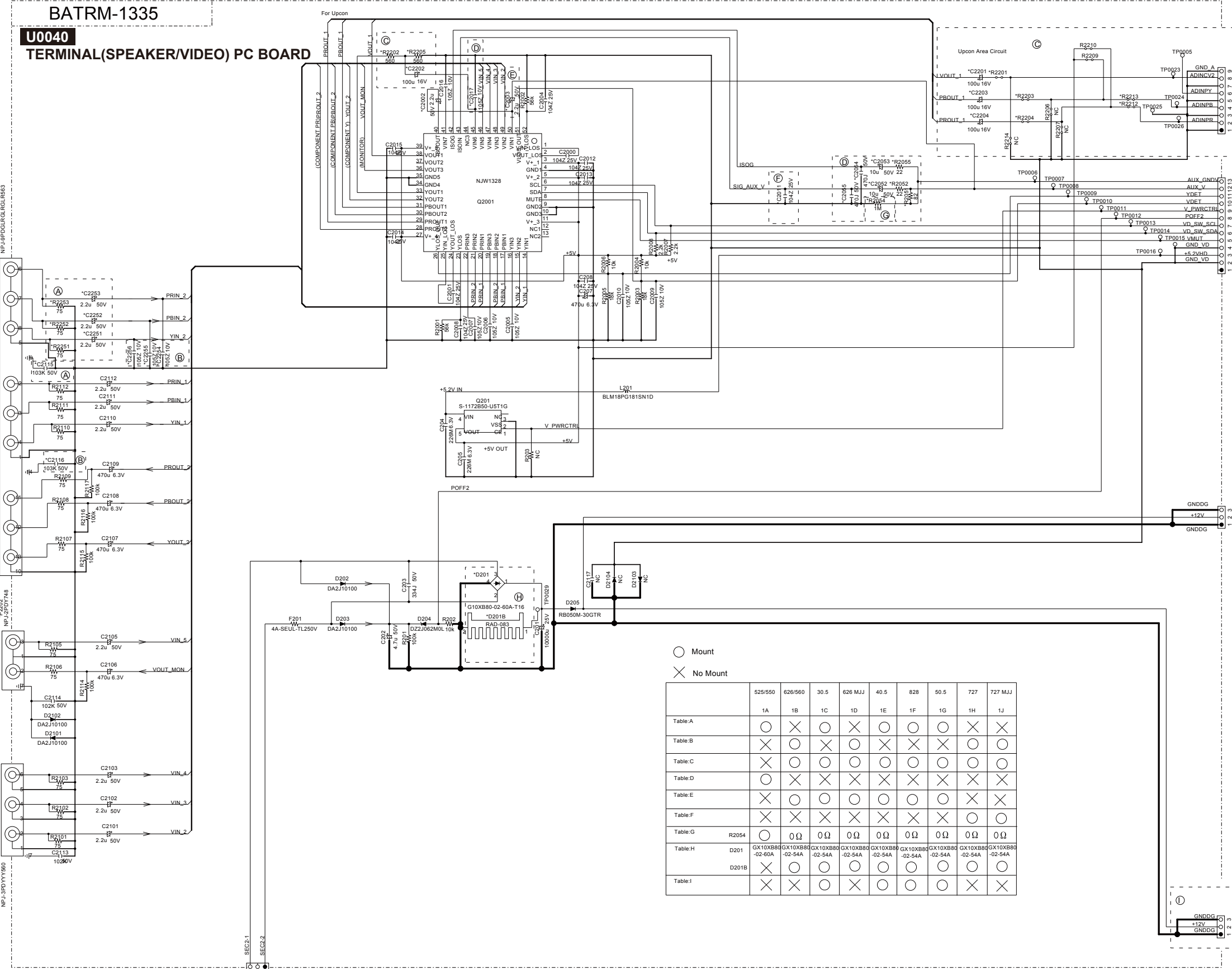
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COMPONENT  
IN 2  
PB  
Y  
IN 1  
PB  
Y  
OUT  
PB  
Y  
COMPOSITE  
IN 5  
OUT  
COMPOSITE  
IN 4  
IN 3  
IN 2



○ Mount  
× No Mount

	525/550	626/560	30.5	626 MJJ	40.5	828	50.5	727	727 MJJ
Table:A	○	×	○	×	○	○	○	×	×
Table:B	×	○	×	○	×	×	○	○	○
Table:C	×	○	○	○	○	○	○	○	○
Table:D	×	×	×	×	×	×	×	×	×
Table:E	×	○	○	○	○	○	○	×	×
Table:F	×	×	×	×	×	×	×	○	○
Table:G	R2054	○	○	○	○	○	○	○	○
Table:H	D201	GX10XB80-02-60A	GX10XB80-02-54A	GX10XB80-02-54A	GX10XB80-02-54A	GX10XB80-02-54A	GX10XB80-02-54A	GX10XB80-02-54A	GX10XB80-02-54A
Table:I	D201B	×	○	○	○	○	○	×	×

**U0040**  
**TERMINAL(SPEAKER/VIDEO) PC BOARD**

**BAHDM-1347(PART-14)**  
(TX-NR525,HT-RC550)

**BAHDM-1357(PART-15)**  
(TX-NR626,727,828,HT-RC560,DTR-30.5,40.5,50.5)

**BAHDM-1357(PART-17)**  
(TX-NR626,727,828,HT-RC560,DTR-30.5,40.5,50.5)

**BAHDM-1347(PART-14)**  
(TX-NR525,HT-RC550)

**BAHDM-1357(PART-15)**  
(TX-NR626,727,828,HT-RC560,DTR-30.5,40.5,50.5)

**BAETC-0645(PART-12)**  
(TX-NR626,DTR30.5,40.5,50.5)

**To RS232/12VTRG/IR**

TO HDMI  
TO HDMI  
TO HDMI

FROM TRANS

**SCHEMATIC DIAGRAMS-09(PART-9)**  
**SPEAKER OUT SECTION**

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TO AMP

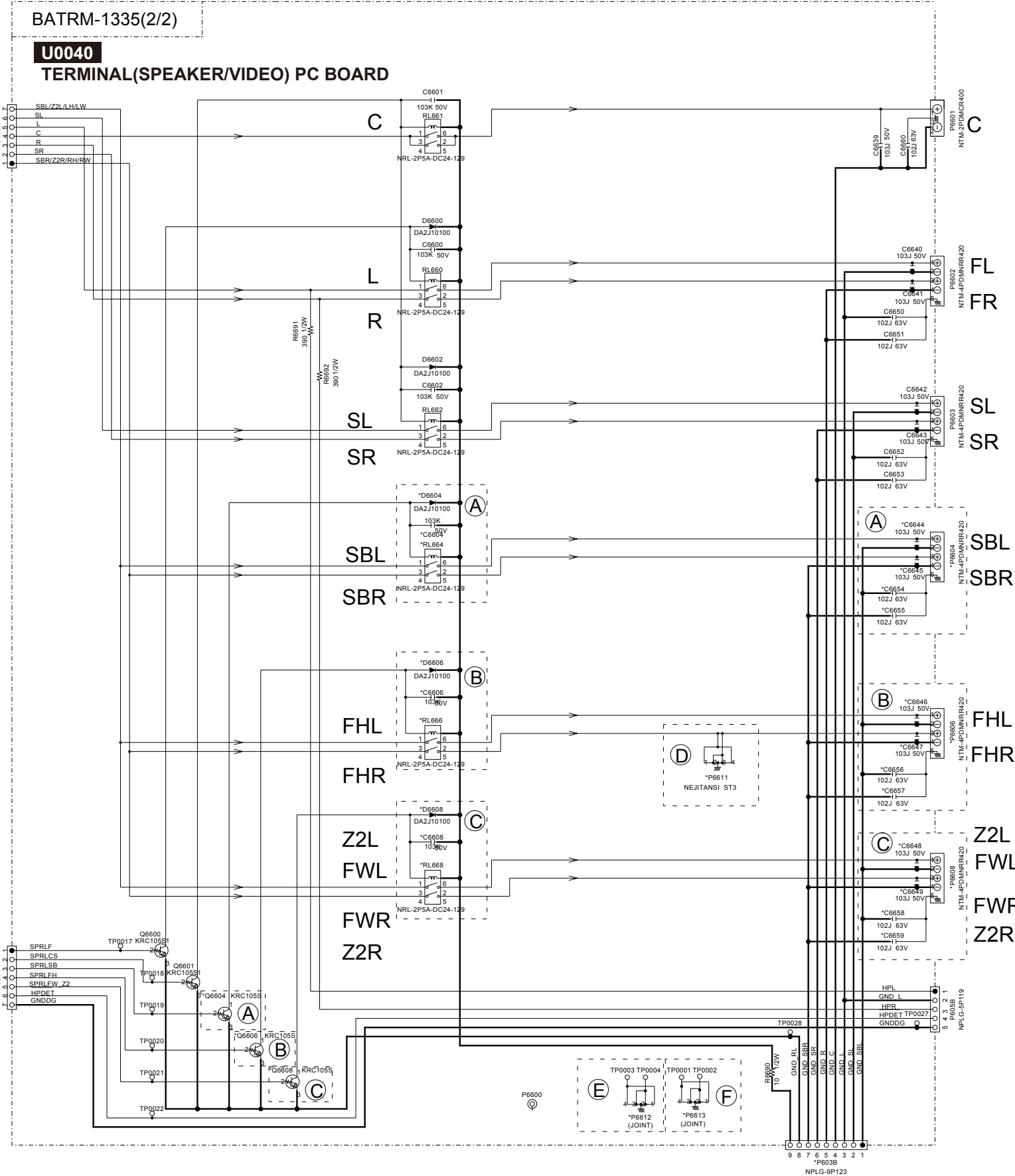
**BAAF-1310(PART-5)**  
(TX-NR525,626,HT-RC550,560,DTR-30.5)

**BAAF-1320(PART-5)**  
(TX-NR727,828,DTR-40.5,50.5)

FROM HDMI

**BAHDM-1347(PART-14)**  
(TX-NR525,HT-RC560)

**BAHDM-1357(PART-14)**  
(TX-NR626,727,828,HT-RC560,DTR-30.5,40.5,50.5)



○ Mount  
× No Mount

	525/550	626/560	30.5	626 MJJ	40.5	828	50.5	727	727 MJJ
Table:A	×	○	○	○	○	○	○	○	○
Table:B	×	×	×	×	×	○	○	×	×
Table:C	×	○	○	×	○	○	○	○	×
Table:D	○	×	×	○	×	×	×	×	○
Table:E	○	×	×	×	×	×	×	×	×
Table:F	×	○	○	○	○	○	○	○	○

**BAETC-1334(PART-10)**  
(TX-NR525,626,727,HT-RC550,560)

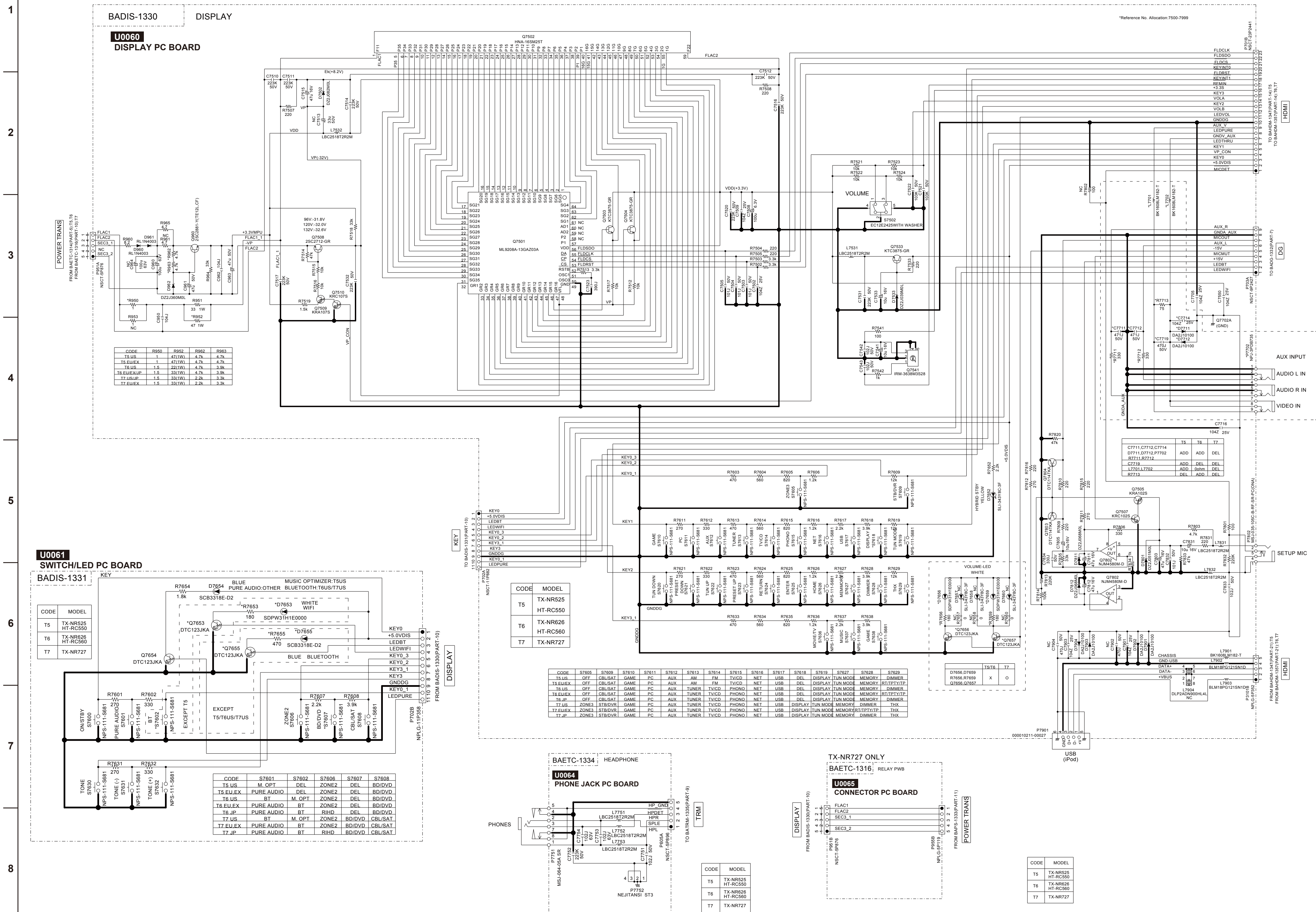
**BAETC-1344(PART-10)**  
(DTR-30.5,40.5)

**BAETC-1326(PART-10)**  
(TX-NR828)

**BAETC-1364(PART-10)**  
(DTR-50.5)

TO HP

SCHEMATIC DIAGRAMS-10(PART-10)  
DISPLAY SECTION



# SCHEMATIC DIAGRAMS-11(PART-11)

## POWER SUPPLY SECTION

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

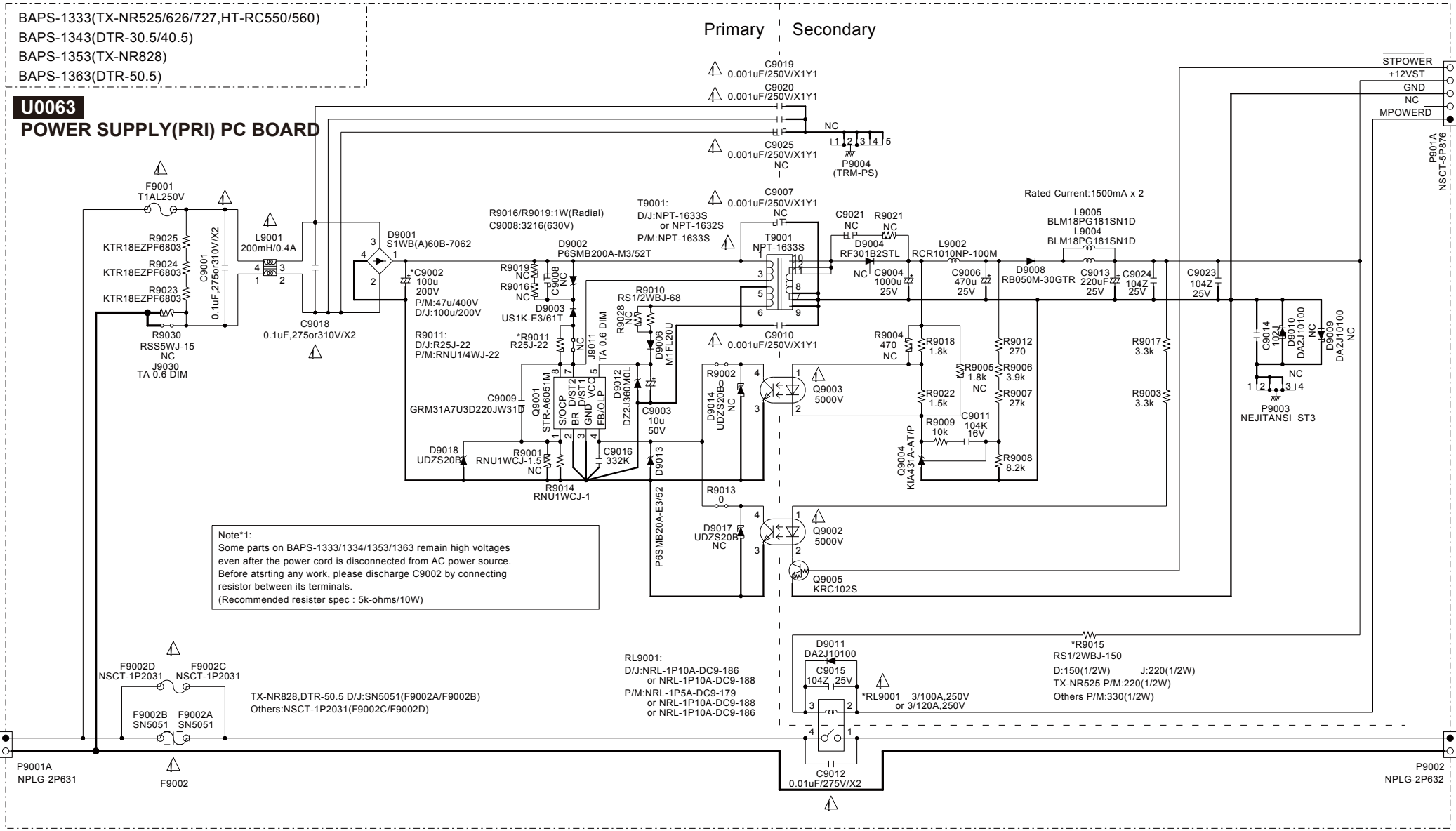
$\Delta$ 印は火災、感電の危険に関与する部品の為、必ず指定部品を使用の事。  
 電圧表示は無信号時に測定した直流電圧を示す。  
 記入なき電解コンデンサの単位はuF/WVである。  
 記入なきコンデンサの単位はpF/50WVである。  
 例) 030 -> 3pF, 330 -> 33pF, 331 -> 330pF, 333 -> 0.033uF  
 本配線図は基本配線図につき性能改善等により予告なく変更する事がある。

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

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

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

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



Note\*1:  
 Some parts on BAPS-1333/1334/1353/1363 remain high voltages even after the power cord is disconnected from AC power source. Before starting any work, please discharge C9002 by connecting resistor between its terminals.  
 (Recommended resistor spec : 5k-ohms/10W)

CODE	MODEL
T5	TX-NR525 HT-RC550
T6	TX-NR626 HT-RC560
T7	TX-NR727
T8	TX-NR828
D3	DTR-30.5
D4	DTR-40.5
D5	DTR-50.5

TYPE	AC
D	120Vac/60Hz
P	230Vac/50Hz
M	220-240Vac/50-60Hz
J	100Vac/50-60Hz

F9002 Rating		T5	T6	T7	T8	D3	D4	D5
D	8A 125V	10A 125V	10A 125V	12A 250V	10A 125V	10A 125V	10A 125V	12A 250V
P	T4AL250V	---	---	---	---	---	---	---
M	T4AL250V	T5AL250V	T5AL250V	T6.3AL250V	T5AL250V	T5AL250V	T5AL250V	T6.3AL250V
J	---	12A 125V	12A 125V	---	12A 125V	---	---	---

T901 Rating		T5	T6	T7	T8	D3	D4	D5
D	NPT-1629D	NPT-1634D	NPT-1630D	NPT-1631D	NPT-1634D	NPT-1630D	NPT-1631D	NPT-1631D
P	NPT-1629P	---	---	---	---	---	---	---
M	NPT-1629M	NPT-1634M	NPT-1630M	NPT-1631M	NPT-1634M	NPT-1630M	NPT-1631M	NPT-1631M
J	---	NPT-1634J	NPT-1630J	---	NPT-1634J	---	---	---



SCHEMATIC DIAGRAMS-14(PART-14)  
MPU SECTION

BAHDM-1347(1/5)

U0080  
HDMI PC BOARD

To DIR/DAC Section Part 19

To HDMI Section Part-16

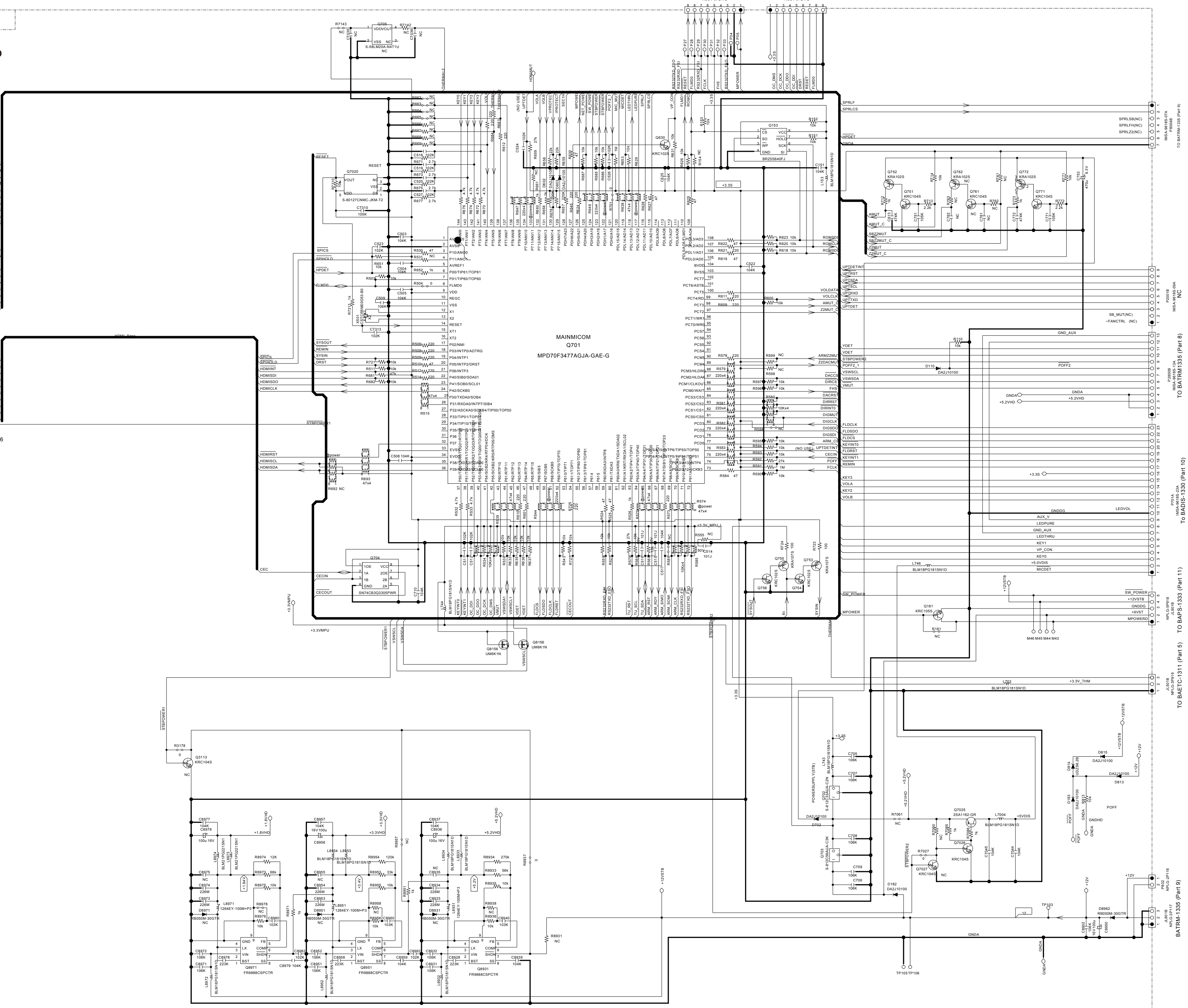
To HDMI Section Part-16

To HDMI Section Part-16

To HDMI Section Part-16

To HDMI Section Part-16

To HDMI Section Part-16



- MIC\_MUT
- VOLDATA
- WRPROTECT
- IPROTECT
- SEC1H
- VOLH
- AMUT
- ZZMUT
- SBZMUT
- SPRLF
- SPRLCS
- SPRLZ2
- TU\_SCL
- TU\_SDA
- TU\_RST
- TU\_GPIOD
- RI
- DIGMUT
- HDMIRST
- HDMISCL
- HDMISDA
- HDMISCK
- CEC
- STBPOWER1

- HDMIRST
- HDMISCL
- HDMISDA
- HDMISCK
- CEC
- STBPOWER1

- HDMIRST
- HDMISCL
- HDMISDA
- HDMISCK
- CEC
- STBPOWER1

- HDMIRST
- HDMISCL
- HDMISDA
- HDMISCK
- CEC
- STBPOWER1

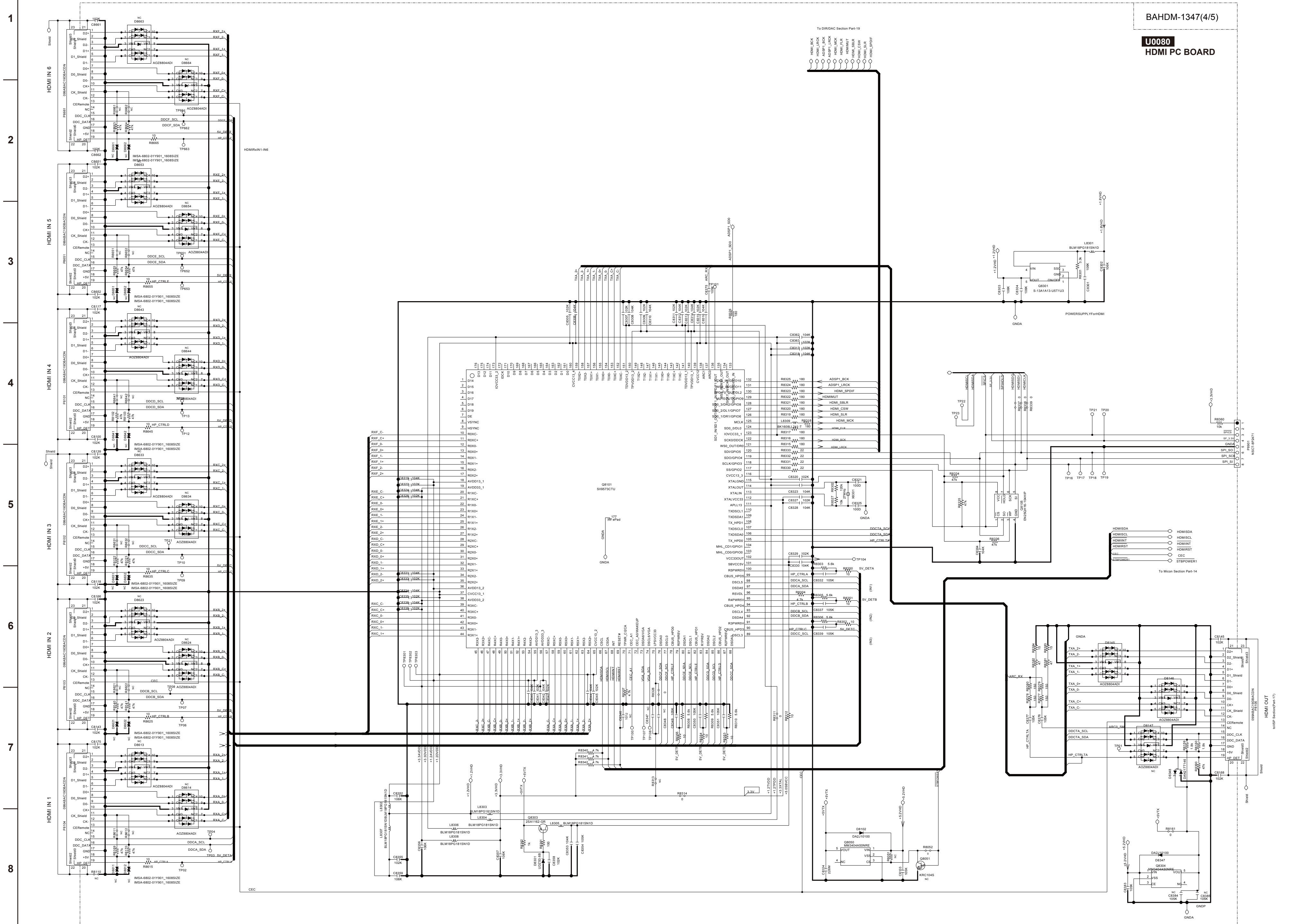
- HDMIRST
- HDMISCL
- HDMISDA
- HDMISCK
- CEC
- STBPOWER1

- HDMIRST
- HDMISCL
- HDMISDA
- HDMISCK
- CEC
- STBPOWER1

- HDMIRST
- HDMISCL
- HDMISDA
- HDMISCK
- CEC
- STBPOWER1

TO BATRM1335 (Part 8)  
TO BAETC-1311 (Part 5)  
TO BAP-1333 (Part 11)  
TO BAETC-1330 (Part 10)  
TO BAP-1335 (Part 9)

SCHEMATIC DIAGRAMS-16(PART-16)  
HDMI SECTION



BAHDM-1347(4/5)  
U0080  
HDMI PC BOARD



# SCHEMATIC DIAGRAMS-20(PART-20) DSP/Memory SECTION

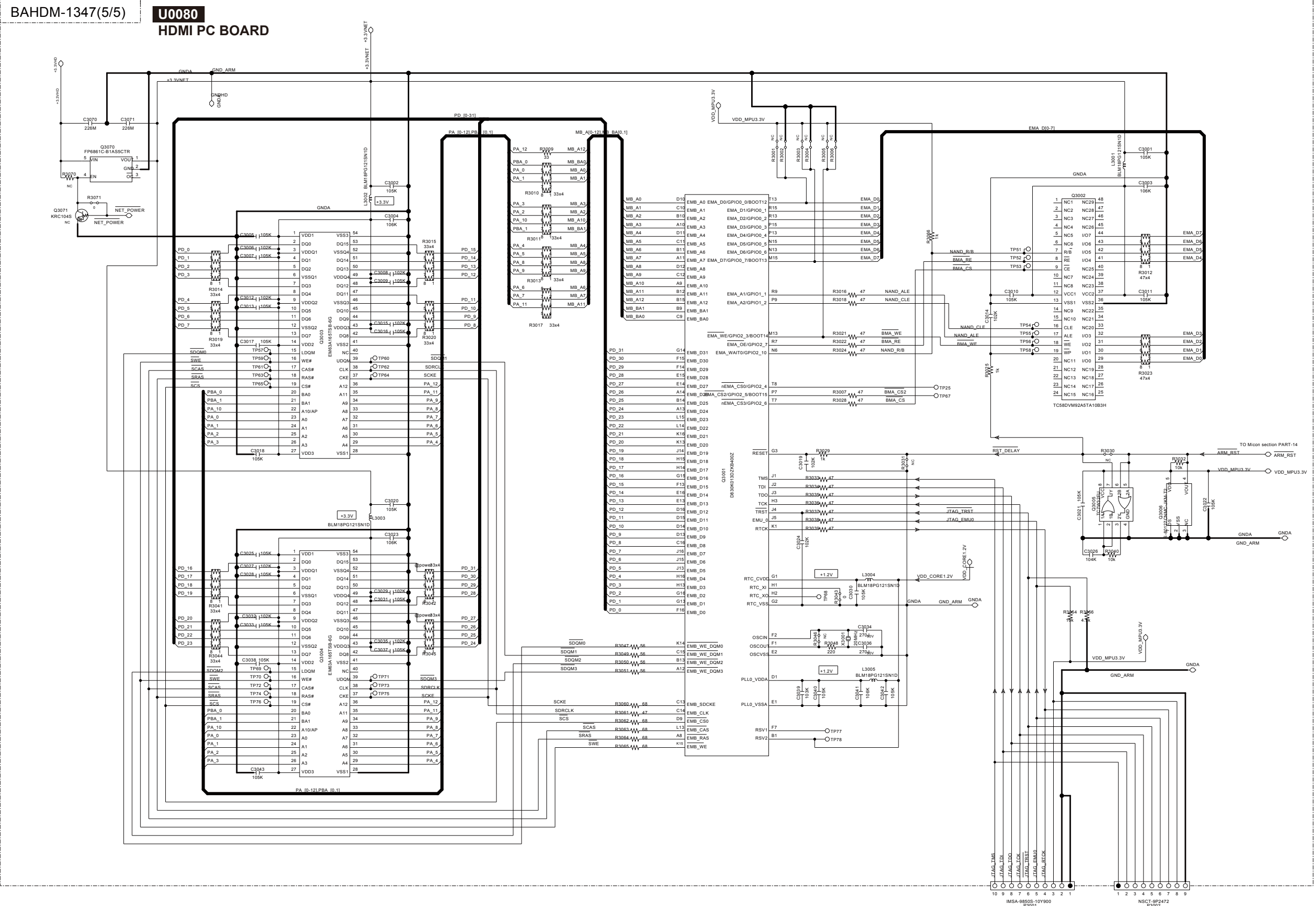
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## PACKING PROCEDURES PARTS LIST-1

## TX-NR525(B)MDC : 120V, Canadian/USA/(Mexico) model

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[PACKING]</b>					
A801	PAD	(AS)609	1	29092610	
A801A	PAD	(L)609	{ 1}	29092611	
A801B	PAD	(R)609	{ 1}	29092612	
A803	POLY BAG	w850xd650	1	29100245	
A806	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A807	SHEET		1	29095906	
A809	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A811	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A813	CARTON	TXNR525DC	1	29055412	N
A815A	UPC LABEL	TXNR525(B)MDC	{ 1}	29392207	N
A819	PP TAPE	W50 SBT-70	1	29110200	
<b>[ACCESSARY]</b>					
A1001	POLY BAG	D250xd300xW300(t0.04)	1	29100256A	
A1005	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A1011	LABEL	(SPCABLE)2009	1	29390881	
A1101	INS MANDSK	U7(2013_TX_AVR)	1	29500019A	
A1111	INS MANUAL	QSG_En(TXNR525)	1	29401402	N
A1113	INS MANUAL	QSG_Fr(TXNR525)	1	29401403	N
A1115	INS MANUAL	QSG_Es(TXNR525)	1	29401404	N
A1133	INS MANUAL	SAFETY_U3	1	29400883A	
A1139	INST SHEET	U11(2010_RIHD) delete onkyo	1	29355782B	
A1147	INS MANUAL	EnJa(GNU_License_2013)	1	29401470	
A1151	INST SHEET	U8(DISCLAIMER)	1	29355905	
A1155	WRNTY CARD	(ONKYO)	1	29365156	
A1160	SHEET	(FLYER-US)	1	29380160	
A990	REMO CON	RC-865M	1	24140865	
A991	BATTERY	R6/AA(UM-3)	2	3010194	
A991 or	BATTERY	R6/AA(UM-3)	( 2)	3010054	
A992	MIC	MIC-7001	1	245045	
A993	ANT COIL	NMA-3057	1	232140	
A993 or	ANT COIL	AM LOOP-ANTENNA	( 1)	232207	
A994	FM ANT AS	Type W	1	292191	

## TX-NR525(B)MPP/(S)MPP : 230V, CE(European) country model

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[PACKING]</b>					
A801	PAD	(AS)609	1	29092610	
A801A	PAD	(L)609	{ 1}	29092611	
A801B	PAD	(R)609	{ 1}	29092612	
A803	POLY BAG	w850xd650	1	29100245	
A806	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A807	SHEET		1	29095906	
A809	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A811	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A813	CARTON	TXNR525	1	29055413	N
A815A	EAN LABEL	TXNR525(B)MPP	{ 1}	29392209A	N
A819	PP TAPE	W50 SBT-70	1	29110200	
A823	POLY BAG	w250xd350	1	29100250A	
A825	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
<b>[ACCESSARY]</b>					
A1001	POLY BAG	D250xd300xW300(t0.04)	1	29100256A	
A1005	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A1011	LABEL	(SPCABLE)2009	1	29390881	
A1101	INS MANDSK	U7(2013_TX_AVR)	1	29500019A	
A1111	INS MANUAL	QSG_En(TXNR525)	1	29401402	N
A1113	INS MANUAL	QSG_Fr(TXNR525)	1	29401403	N
A1115	INS MANUAL	QSG_Es(TXNR525)	1	29401404	N
A1117	INS MANUAL	QSG_It(TXNR525)	1	29401405	N
A1119	INS MANUAL	QSG_De(TXNR525)	1	29401406	N
A1121	INS MANUAL	QSG_Nl(TXNR525)	1	29401407	N
A1123	INS MANUAL	QSG_Sv(TXNR525)	1	29401408	N
A1125	INS MANUAL	QSG_Fi(TXNR525)	1	29401409	N
A1135	INS MANUAL	SAFETY_U10	1	29400884A	N
A1139	INST SHEET	U11(2010_RIHD) delete onkyo	1	29355782B	
A1141	INST SHEET	WEEE? delete onkyo	1	29355793B	
A1147	INS MANUAL	EnJa(GNU_License_2013)	1	29401470	
A1151	INST SHEET	U8(DISCLAIMER)	1	29355905	
A1160	SHEET	(FLYER-EU)	1	29380161	
A990	REMO CON	RC-865M	1	24140865	
A991	BATTERY	R6/AA(UM-3)	2	3010194	
A991 or	BATTERY	R6/AA(UM-3)	( 2)	3010054	
A992	MIC	MIC-7001	1	245045	
A993	ANT COIL	NMA-3057	1	232140	
A993 or	ANT COIL	AM LOOP-ANTENNA	( 1)	232207	
A994	FM ANT AS	Type W	1	292191	

## PACKING PROCEDURES PARTS LIST-2

## TX-NR525(B)MPA : 230V, Australian model

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[PACKING]</b>					
A801	PAD	(AS)609	1	29092610	
A801A	PAD	(L)609	{ 1}	29092611	
A801B	PAD	(R)609	{ 1}	29092612	
A803	POLY BAG	w850xd650	1	29100245	
A806	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A807	SHEET		1	29095906	
A809	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A811	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A813	CARTON	TXNR525	1	29055413	N
A815A	EAN LABEL	TXNR525(B)MPA	{ 1}	29392212	N
A819	PP TAPE	W50 SBT-70	1	29110200	
A823	POLY BAG	w250xd350	1	29100250A	
A825	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
<b>[ACCESSARY]</b>					
A1001	POLY BAG	D250xd300xW300(t0.04)	1	29100256A	
A1005	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A1011	LABEL	(SPCABLE)2009	1	29390881	
A1101	INS MANDSK	U7(2013_TX AVR)	1	29500019A	
A1111	INS MANUAL	QSG_En(TXNR525)	1	29401402	N
A1133	INS MANUAL	SAFETY_U3	1	29400883A	
A1139	INST SHEET	U11(2010_RIHD) delete onkyo	1	29355782B	
A1147	INS MANUAL	EnJa(GNU_License_2013)	1	29401470	
A1151	INST SHEET	U8(DISCLAIMER)	1	29355905	
A1160	SHEET	(FLYER-EU)	1	29380161	
A990	REMO CON	RC-865M	1	24140865	
A991	BATTERY	R6/AA(UM-3)	2	3010194	
A991 or	BATTERY	R6/AA(UM-3)	( 2)	3010054	
A992	MIC	MIC-7001	1	245045	
A993	ANT COIL	NMA-3057	1	232140	
A993 or	ANT COIL	AM LOOP-ANTENNA	( 1)	232207	
A994	FM ANT AS	Type W	1	292191	

## TX-NR525(B)MPB : 230V, UK model

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[PACKING]</b>					
A801	PAD	(AS)609	1	29092610	
A801A	PAD	(L)609	{ 1}	29092611	
A801B	PAD	(R)609	{ 1}	29092612	
A803	POLY BAG	w850xd650	1	29100245	
A806	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A807	SHEET		1	29095906	
A809	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A811	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A813	CARTON	TXNR525	1	29055413	N
A815A	EAN LABEL	TXNR525(B)MPB	{ 1}	29392211	N
A819	PP TAPE	W50 SBT-70	1	29110200	
A823	POLY BAG	w250xd350	1	29100250A	
A825	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
<b>[ACCESSARY]</b>					
A1001	POLY BAG	D250xd300xW300(t0.04)	1	29100256A	
A1005	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A1011	LABEL	(SPCABLE)2009	1	29390881	
A1101	INS MANDSK	U7(2013_TX AVR)	1	29500019A	
A1111	INS MANUAL	QSG_En(TXNR525)	1	29401402	N
A1133	INS MANUAL	SAFETY_U3	1	29400883A	
A1139	INST SHEET	U11(2010_RIHD) delete onkyo	1	29355782B	
A1141	INST SHEET	WEEE delete onkyo	1	29355793B	
A1147	INS MANUAL	EnJa(GNU_License_2013)	1	29401470	
A1151	INST SHEET	U8(DISCLAIMER)	1	29355905	
A990	REMO CON	RC-865M	1	24140865	
A991	BATTERY	R6/AA(UM-3)	2	3010194	
A991 or	BATTERY	R6/AA(UM-3)	( 2)	3010054	
A992	MIC	MIC-7001	1	245045	
A993	ANT COIL	NMA-3057	1	232140	
A993 or	ANT COIL	AM LOOP-ANTENNA	( 1)	232207	
A994	FM ANT AS	Type W	1	292191	

## PACKING PROCEDURES PARTS LIST-3

## TX-NR525(B)MDF : 120V, Taiwanese model

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[PACKING]</b>					
A801	PAD	(AS)609	1	29092610	
A801A	PAD	(L)609	{ 1}	29092611	
A801B	PAD	(R)609	{ 1}	29092612	
A803	POLY BAG	w850xd650	1	29100245	
A806	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A807	SHEET		1	29095906	
A809	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A811	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A813	CARTON	TXNR525DC	1	29055412	N
A815A	EAN LABEL	TXNR525(B)MDF	{ 1}	29392208	N
A819	PP TAPE	W50 SBT-70	1	29110200	
<b>[ACCESSARY]</b>					
A1001	POLY BAG	w250xd350	1	29100250A	
A1005	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A1011	LABEL	(SPCABLE)2009	1	29390881	
A1103	INS MANUAL	En(TXNR525)	1	29401399A	N
A1105	INS MANUAL	Ct(TXNR525)	1	29401400	N
A1111	INS MANUAL	QSG_En(TXNR525)	1	29401402	N
A1137	INS MANUAL	U9(2013 Prepro)	1	29401471	
A1139	INST SHEET	U11(2010 RIHD) delete onkyo	1	29355782B	
A1145	INST SHEET	Ct(FREQ_STEP)2013	1	29355906	N
A1147	INS MANUAL	EnJa(GNU License 2013)	1	29401470	
A990	REMO CON	RC-865M	1	24140865	
A991	BATTERY	R6/AA(UM-3)	2	3010194	
A991 or	BATTERY	R6/AA(UM-3)	( 2)	3010054	
A992	MIC	MIC-7001	1	245045	
A993	ANT COIL	NMA-3057	1	232140	
A993 or	ANT COIL	AM LOOP-ANTENNA	( 1)	232207	
A994	FM ANT AS	Type W	1	292191	

## TX-NR525(B)MMK : 220/230-240V, Korean country model

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[PACKING]</b>					
A801	PAD	(AS)609	1	29092610	
A801A	PAD	(L)609	{ 1}	29092611	
A801B	PAD	(R)609	{ 1}	29092612	
A803	POLY BAG	w850xd650	1	29100245	
A806	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A807	SHEET		1	29095906	
A809	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A811	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A813	CARTON	TXNR525	1	29055413	N
A815A	EAN LABEL	TXNR525(B)MMK	{ 1}	29392213A	N
A819	PP TAPE	W50 SBT-70	1	29110200	
A823	POLY BAG	w250xd350	1	29100250A	
A825	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
<b>[ACCESSARY]</b>					
A1001	POLY BAG	D250xd300xW300(t0.04)	1	29100256A	
A1005	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A1011	LABEL	(SPCABLE)2009	1	29390881	
A1101	INS MANDSK	U7(2013 TX AVR)	1	29500019A	
A1111	INS MANUAL	QSG_En(TXNR525)	1	29401402	N
A1133	INS MANUAL	SAFETY U3	1	29400883A	
A1139	INST SHEET	U11(2010 RIHD) delete onkyo	1	29355782B	
A1147	INS MANUAL	EnJa(GNU License 2013)	1	29401470	
A1151	INST SHEET	U8(DISCLAIMER)	1	29355905	
A1160	SHEET	(FLYER-EU)	1	29380161	
A990	REMO CON	RC-865M	1	24140865	
A991	BATTERY	R6/AA(UM-3)	2	3010194	
A991 or	BATTERY	R6/AA(UM-3)	( 2)	3010054	
A992	MIC	MIC-7001	1	245045	
A993	ANT COIL	NMA-3057	1	232140	
A993 or	ANT COIL	AM LOOP-ANTENNA	( 1)	232207	
A994	FM ANT AS	Type W	1	292191	



## PACKING PROCEDURES PARTS LIST-4

TX-NR525(B)MMQ : 220/230-240V, Hong kong/Saudi Arabian model

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[PACKING]</b>					
A801	PAD	(AS)609	1	29092610	
A801A	PAD	(L)609	{ 1}	29092611	
A801B	PAD	(R)609	{ 1}	29092612	
A803	POLY BAG	w850xd650	1	29100245	
A806	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	
A811	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A813	CARTON	TXNR525	1	29055413	N
A815A	EAN LABEL	TXNR525(B)MMQ	{ 1}	29392214A	N
A819	PP TAPE	W50 SBT-70	1	29110200	
A823	POLY BAG	w250xd350	1	29100250A	
A825	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
<b>[ACCESSARY]</b>					
A1001	POLY BAG	w250xd350	1	29100250A	
A1005	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A1011	LABEL	(SPCABLE)2009	1	29390881	
A1103	INS MANUAL	En(TXNR525)	1	29401399A	N
A1105	INS MANUAL	Ct(TXNR525)	1	29401400	N
A1111	INS MANUAL	QSG_En(TXNR525)	1	29401402	N
A1127	INS MANUAL	QSG_Ar(TXNR525)	1	29401410	N
A1137	INS MANUAL	U9(2013_Prepro)	1	29401471	
A1139	INST SHEET	U11(2010_RIHD) delete onkyo	1	29355782B	
A1143	INS MANUAL	Ar(QC ImportantSheet)	1	29344373C	N
A1147	INS MANUAL	EnJa(GNU_License_2013)	1	29401470	
A1155	WRNTY CARD	MGQ	1	29365099B	
A1160	SHEET	(FLYER-EU)	1	29380161	
A990	REMO CON	RC-865M	1	24140865	
A991	BATTERY	R6/AA(UM-3)	2	3010194	
A991 or	BATTERY	R6/AA(UM-3)	( 2)	3010054	
A992	MIC	MIC-7001	1	245045	
A993	ANT COIL	NMA-3057	1	232140	
A993 or	ANT COIL	AM LOOP-ANTENNA	( 1)	232207	
A994	FM ANT AS	Type W	1	292191	

TX-NR525(B)MMR : 220/230-240V, Chinese model

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
<b>[PACKING]</b>					
A751	LABEL	(APV)	1	29390190	
A753	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A801	PAD	(AS)609	1	29092610	
A801A	PAD	(L)609	{ 1}	29092611	
A801B	PAD	(R)609	{ 1}	29092612	
A803	POLY BAG	w850xd650	1	29100245	
A806	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	
A811	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A813	CARTON	TXNR525	1	29055413	N
A815A	EAN LABEL	TXNR525(B)MMR	{ 1}	29392215	N
A819	PP TAPE	W50 SBT-70	1	29110200	
A821	LABEL	(CHINA)	1	29390952A	
A823	POLY BAG	w250xd350	1	29100250A	
A825	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
<b>[ACCESSARY]</b>					
A1001	POLY BAG	w250xd350	1	29100250A	
A1005	TAPE	(SEROHAN)NITTO NO.29	1	29110149	
A1011	LABEL	(SPCABLE)2009	1	29390881	
A1107	INS MANUAL	Cs(TXNR525)	1	29401401	N
A1129	INS MANUAL	QSG_Cs(TXNR525)	1	29401411	N
A1137	INS MANUAL	U9(2013_Prepro)	1	29401471	
A1139	INST SHEET	U11(2010_RIHD) delete onkyo	1	29355782B	
A1147	INS MANUAL	EnJa(GNU_License_2013)	1	29401470	
A1155	WRNTY CARD	(ONKYO-CH)NEW	1	29365155	
A990	REMO CON	RC-865M	1	24140865	
A992	MIC	MIC-7001	1	245045	
A993	ANT COIL	NMA-3057	1	232140	
A993 or	ANT COIL	AM LOOP-ANTENNA	( 1)	232207	
A994	FM ANT AS	Type W	1	292191	

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