

AV RECEIVER**Service Manual****TX-SR252**

- ✓ Pre Issue (2015-Oct)
- ✓ Final Issue (2015-Oct)

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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.

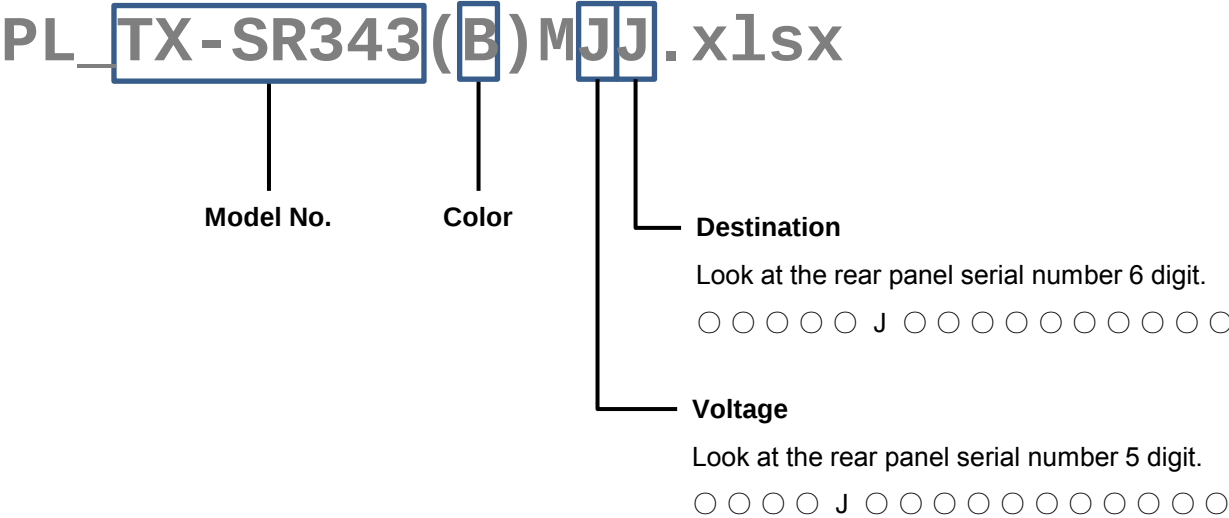
**ONKYO®**

Published by Onkyo & Pioneer Corporation Global CS Department

File Name of Parts List File (EXCEL File)

Note for Parts List

When parts list is EXCEL file, please refer to the following explanation about file name.



Color

(X) Not related to color

(B)	Black	(M)	Wood
(BR)	Brown	(O)	Orange
(C)	Cherry	(P)	Pink
(G)	Gold	(R)	Red
(GR)	Green	(S)	Silver
(H)	Gray	(V)	Violet
(K)	Black	(W)	White
(L)	Blue	(Y)	Yellow
(LB)	Light Blue		

Voltage

J	100V AC
D	120V AC
G	220~230V
H	220~230／240V
M	220~240V AC
P	230V AC
U	100~240V AC
V	110~240V
W	120V／220~240V

Speaker System (without AMP.) :

0	Passive Subwoofer
F	Front Speaker
C	Center Speaker
R	Rear Speaker
B	Back Speaker

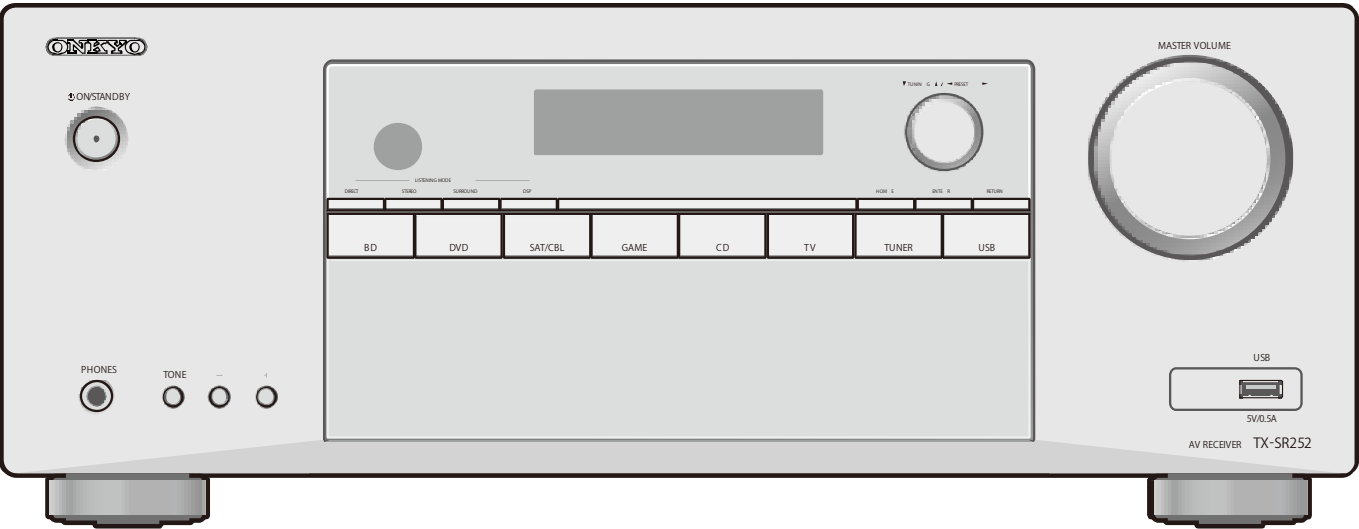
Destination

J	Japan
C	North American
D	USA
F	Taiwan
S	Brazil
Q	Hong Kong
R	China
A	Australia
B	United Kingdom
K	Korea
L	Russia
P	Europe
U	Worldwide

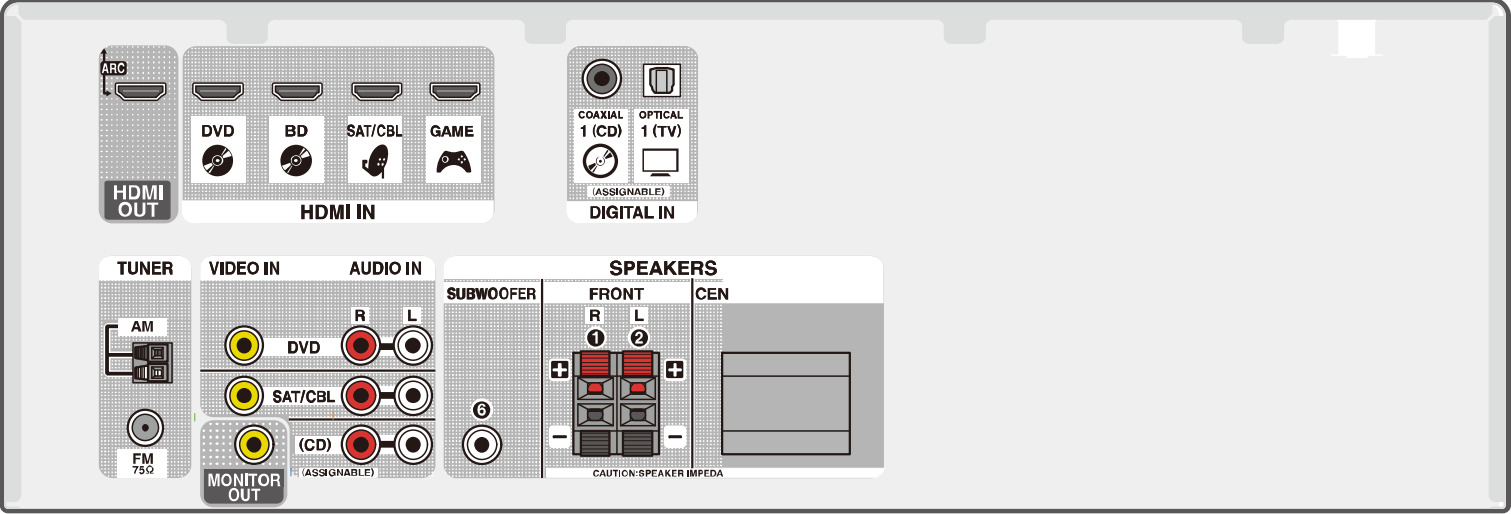
Speaker System (without AMP.) :

L	Left channel
R	Right channel
0	Center channel

Front Panel



Rear Panel



Panel

Remote Control Unit
RC-909R



Accessory

- Remote control 1
- Dry cell batteries (AAA size IEC R03). 2
- AM loop antenna 1
- FM wire antenna 1
- Quick start guide
- Safety Brochure

Dimensions.435 mm (W) x 168 mm (H) x 326.5 mm (D)
Weight (without package) 7.3 kg

How to Reset the Unit

Reset

Resetting the Main Unit

Use this procedure to reset all the receiver's settings to the factory default. Use the front panel controls to do this.

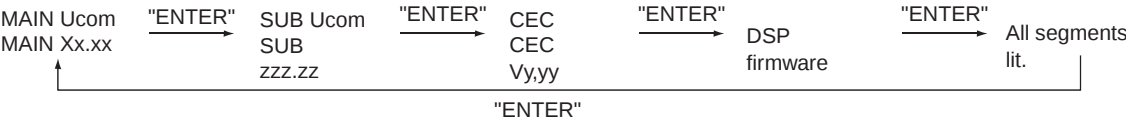
1. Switch the receiver into standby.
2. While holding down [DIRECT], press and hold [ON/STANDBY] for about two seconds.
3. When you see RESET? appear in the display, press STEREO. OK? shows in the display.
4. Press [SURROUND] to confirm.

Reset

Check to the software virsion of MAIN, HDMI & CEC (SUB) microcomputers

1. Make sure that the main unit is in STANDBY mode.

Press and hold about 3 seconds the both of " ENTER " and " STANDBY/ON " keys as same time,
Then it is appeared firmware version number.
At this time, When you press the " ENTER "key to display each UCOM version, Each time the " ENTER "key is pressed, then indications on the FL display change as follows:



2. Turn the unit off.

Preparation of Update

Firmware

[Necessary Tools and Connections]

1 MAIN microcomputer

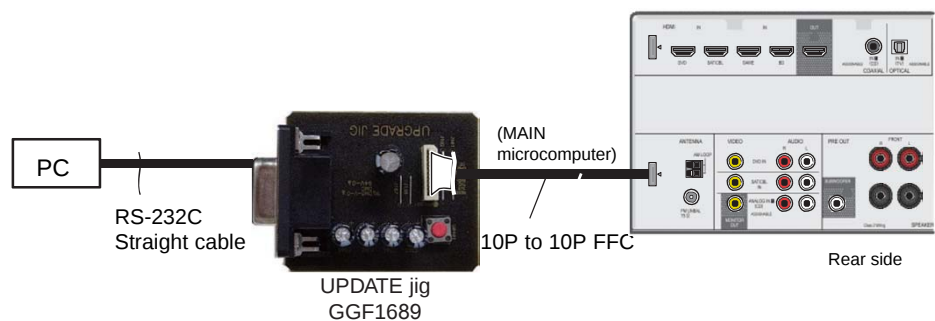
- PC with a serial port
- RS-232C cable (9-pin to 9-pin, straight cable) (Marketing product)
- UPDATE jig: GGF1689 (with 10P to 10P FFC)
- Firmware
- Firmware Writer Application for PC

(Flash Programmer M16C Flash Starter M3A-0806 Software)

http://am.renesas.com/products/tools/flash_prom_programming/flash_programmers/m3a_0806/downloads.jsp

Connect as shown in the below figure and follow the procedure as below

1. Install the software for updating on the PC
2. Unplug the AC Cord of the main unit
3. Insert the FFC with its contact surface facing the " " mark.



Straight Cable



Adapter



JIG's side

2 HDMI & CEC (SUB) microcomputer

- PC with a USB port
 - USB cable (Marketing product)
 - UPDATE jig: GGF1689 (with 10P to 10P FFC)
 - Firmware
 - Firmware Writer Application for PC
- (Cypress/Spansion FLASH MCU Programmer for FM0+/FM3/FM4)

<http://www.spansion.com/support/microcontrollers/developmentenvironment/Pages/mcu-download.aspx>

Connect as shown in the below figure and follow the procedure as below

1. Install the software for updating on the PC.
2. Unplug the power cord of the main unit.
Connect the FFC of the updating jig for updating to the main unit.
(Orient the FFC so that the conductive surface of the connector faces the triangular a symbol.)



3. Start the software for updating on the PC.

No Necessary connect Main and HDMI&CEC at the same time

When you update Main, you connect Main only.

When you update HDMI&CEC, you connect HDMI&CEC only.

When you have no "UPDATE jig GGF1689,
Please order ONKYO service parts dept.

Microcomputers update

[Procedures]

■ for MAIN microcomputer

1. Unplug the AC cord.

Connect the FFC cable. (MAIN microcomputer)

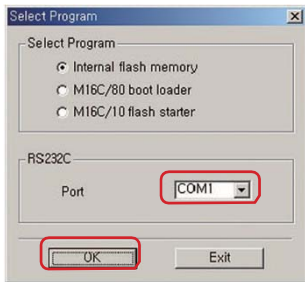
Start up application "FlashSta" on the PC.



2. Plug the AC cord. (STANDBY mode)

For updating of the MAIN microcomputer, proceed with the following steps in STANDBY mode.

3. Press the OK button.



Select for COM port.

Note:

You need COM port number on Windows system

“My computer”, “Right Click”, “Properties”, “Device manager”

Click COM port properties and Make sure COM port number.

[if the following messages are displayed]

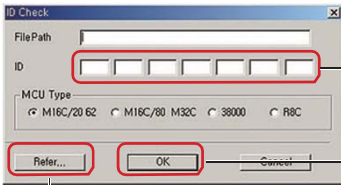


Please push the cancel button and press the JIG's **RESET button.**

And confirm a connection of FFC.

Please return to procedure 1.

4. Select the update file and enter ID.

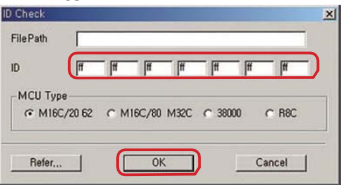


2. Enter ID.
Enter "ff" in all field.

3 Press OK button
to go to next step.

1 Selection of upgrade file

2 Enter ID.



Press the OK button.

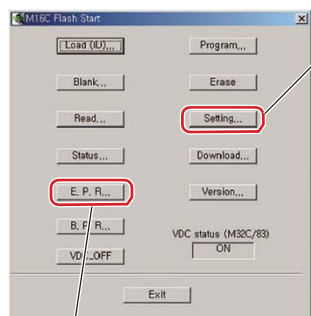


Press the OK

How to Update (Main MCU) 2/5

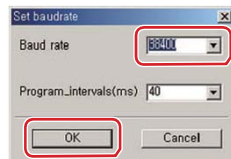
Firmware

5. Set speed update and update the MCU.



1 Set speed of update.

1 Set speed of update. Set Baud rate to 38400.



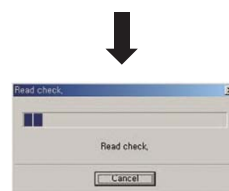
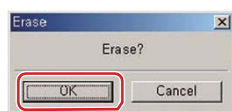
Press the OK button.

2 Update the MCU.

E.P.R=>Erase+Program+Read

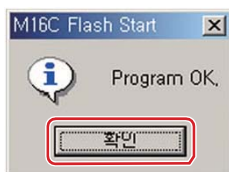
2 Update the MCU

Press the E.P.R ... button

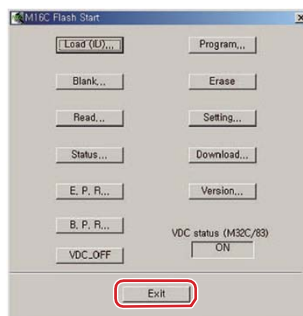


Click on "Open" 3 to open the File Selection window.
Select Intel Hex files (*.hex) in File Type.

6. Update Finished MAIN microcomputer.



Press the OK button.



Press the Exit button.
Please wait for until this window disappears.

If the following messages are displayed, shut the update program down, and start the update again from step 1.



Push the JIG's RESET button during 1 sec.
Press the OK button.



Select the 9600 of the Board rate
then press the OK button



7. Unplug the AC cord.
Disconnect the FFC cable.

How to Update (HDMI Sub MCU) 3/5

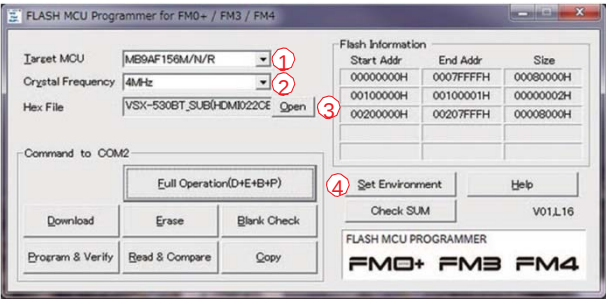
Firmware

for HDMI & CEC (SUB) microcomputer

[Procedures]

To perform updating, proceed as follows:

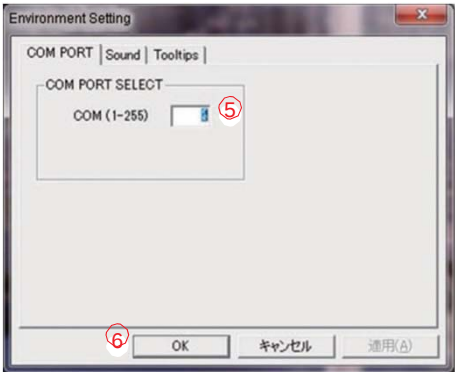
- 1. Set the values for Target MCU and Crystal Frequency, as follows:
Target MCU: MB9AF156M/N/R 1
Crystal Frequency: 4MHz 2



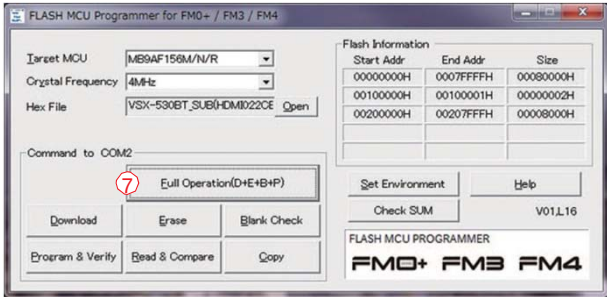
- 2. Specify the software file to be updated.
Click on "Open" 3 to open the File Selection window.
Select Intel Hex files (*.hex) in File Type



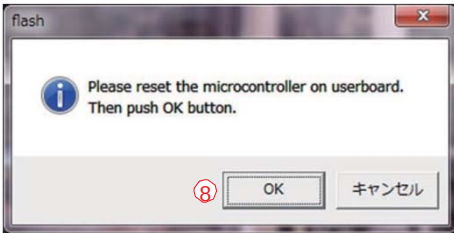
- 3. Specify the COM PORT.
Click on "Set Environment" 4 to open the Environment Setting window.
Assign the COM PORT number 5, according to the environment.
Click on "OK" 6 to close the Environment Setting window.



Click on "Full Operation (D+E+B+P)" 7.

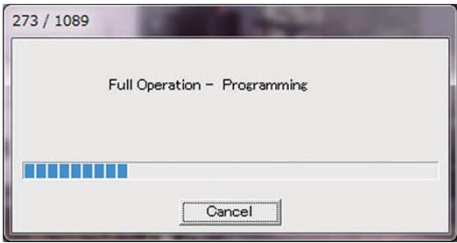
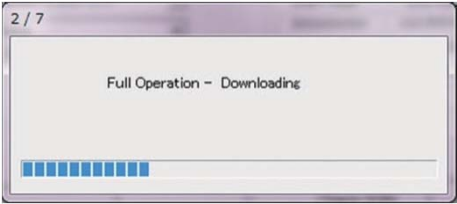
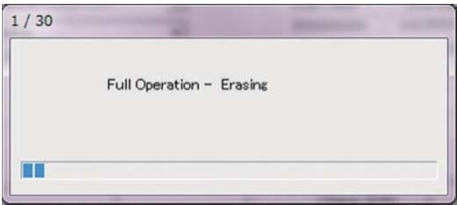


- 5. After the window shown below is displayed, turn the main unit on.
- 6. Press the Reset button of the updating jig for updating.
- 7. When it is appeared below window, Then power turn on unit (ON)



- 8. Click on "OK" 8.

9. The indications in the window change, as indicated below:



10. Updating has been successfully completed if "Full Operation OK!" is displayed.



Note:

If an error message like the one shown below is displayed, after checking the connection of the updating jig for updating and the COM PORT setting, start updating again from Step 1.



Or You have to make sure that It is necessary to turn on the unit at procedure 7

11. Turn the main unit off then disconnect the updating jig for updating.

12. Perform Factory Reset on the main unit.

DSP firmware update

[Procedures]

1. Select TV fucntion, and, with Signal select as OPTICAL1 then set the unit to STBY_Off mode.
2. Press the SPEAKERS and STANDBY/ON keys simultaneously to enter DSP UpDate mode.
("DSP UP" is displayed.)
3. When "PLAY" is displayed, playback of the .wav file starts. (Play the file only once.
NEVER repeat playback.) ("PLAY" is displayed.)
4. After playback is finished and "ENTER" is displayed, press the ENTER key on the front panel.
("ENTER" is displayed.)
5. "WRITING" is automatically displayed.
6. After writing is completed, "COMPLETE" is displayed.
7. Turn the unit off then confirm that the version has been updated.

No Sound

Hookup and Setting

■ No sound from connected player

- ☐ Chose input selector which is assigned to connected input terminal ?
- ☐ Isn't muting on ?

■ No sound from connected TV

- ☐ Chose wrong input selector ?
- ☐ Connect to this model's HDMI OUT terminal from TV by HDMI cable ?
- ☐ When TV supports ARC function, connect to his model's HDMI OUT terminal from TV's HDMI input terminal for ARC function ?
- ☐ When TV doesn't support ARC function, connect TV to this model with optical cable etc. ?
- ☐ Isn't muting on ?

■ No sound from some connected loudspeaker(s)

- ☐ No sound loudspeaker(s) config is enabled ?

■ No sound from all connected TV or Blu-ray player etc.

- ☐ After chose loudspeaker volume level setting, test tone is OK ?

■ No problem about above items

- ☐ Unplug power cord
After 10 seconds, connect power cord again
- ☐ Reset this model

No Picture

Hookup and Setting

- In general
 - ☐ Connection cable is bent , twisted or damaged ?
 - ☐ Input is switched on TV ?
- No picture from connected player by HDMI input terminal
 - ☐ Chose input selector which is connected to player ?
 - ☐ Listening mode is not Pure Audio ?
 - ☐ Don't use HDMI-DVI adaptor. From personal computer ?
- No picture from connected player by component video terminal
 - ☐ Output to TV connected to component video out terminal from player's picture connected to the composite video input terminals ?
- No problem about above items
 - ☐ Unplug power cord
After 10 seconds, connect power cord again
 - ☐ Reset this model

No Power

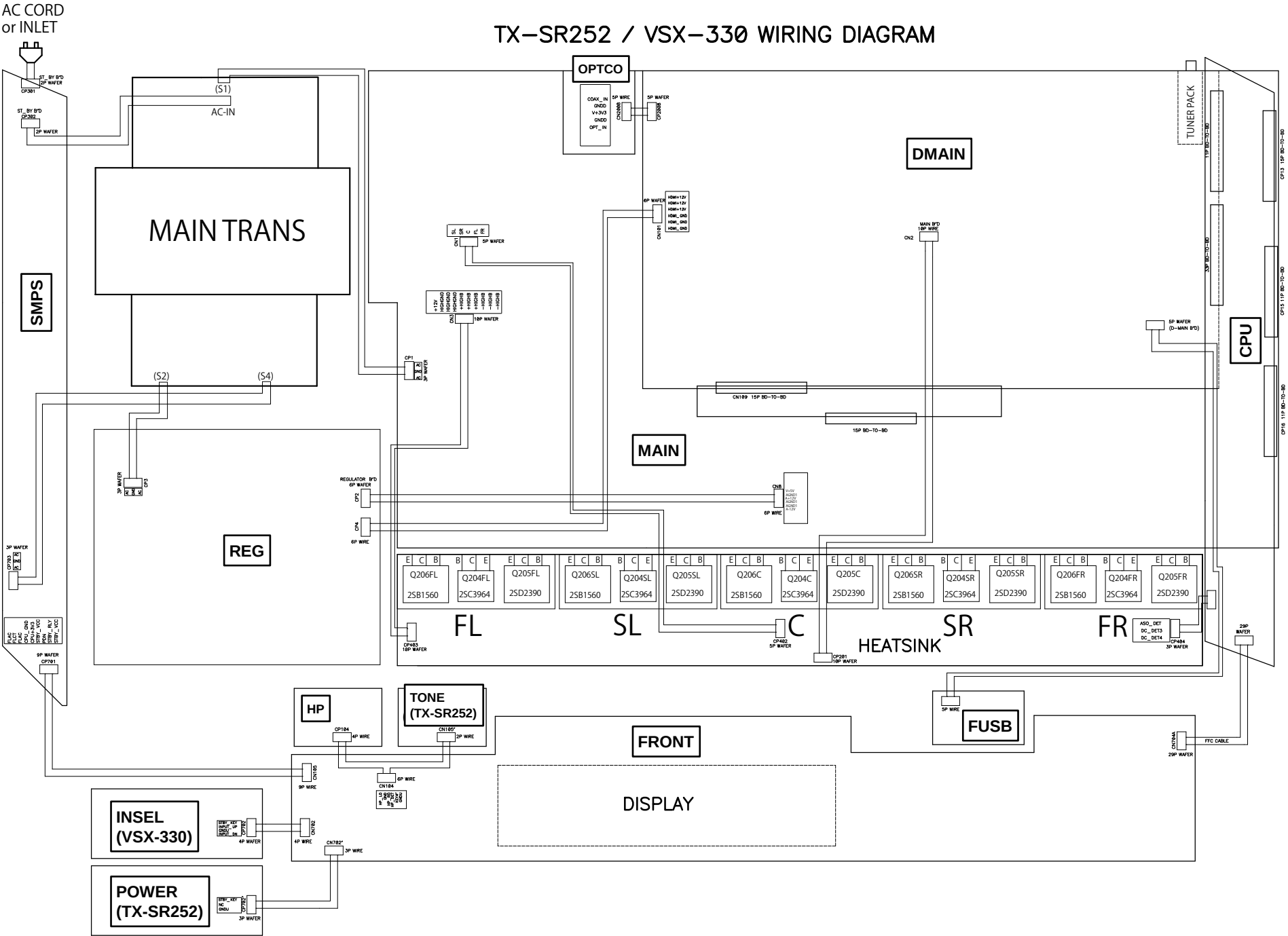
Hookup and Setting

- In general
 - ☐ Doesn't be connection cable bent, be it twisted and be it damaged?
- There is time when indication on the front panel doesn't just light up.
 - ☐ Please check the connecting cord of a DISPLAY PCB.
- No problem about above items
 - ☐ Unplug power cord
 - After 10 seconds, connect power cord again
 - ☐ Reset this model

OVERALL WIRING DIAGRAM

Schematic Diagram

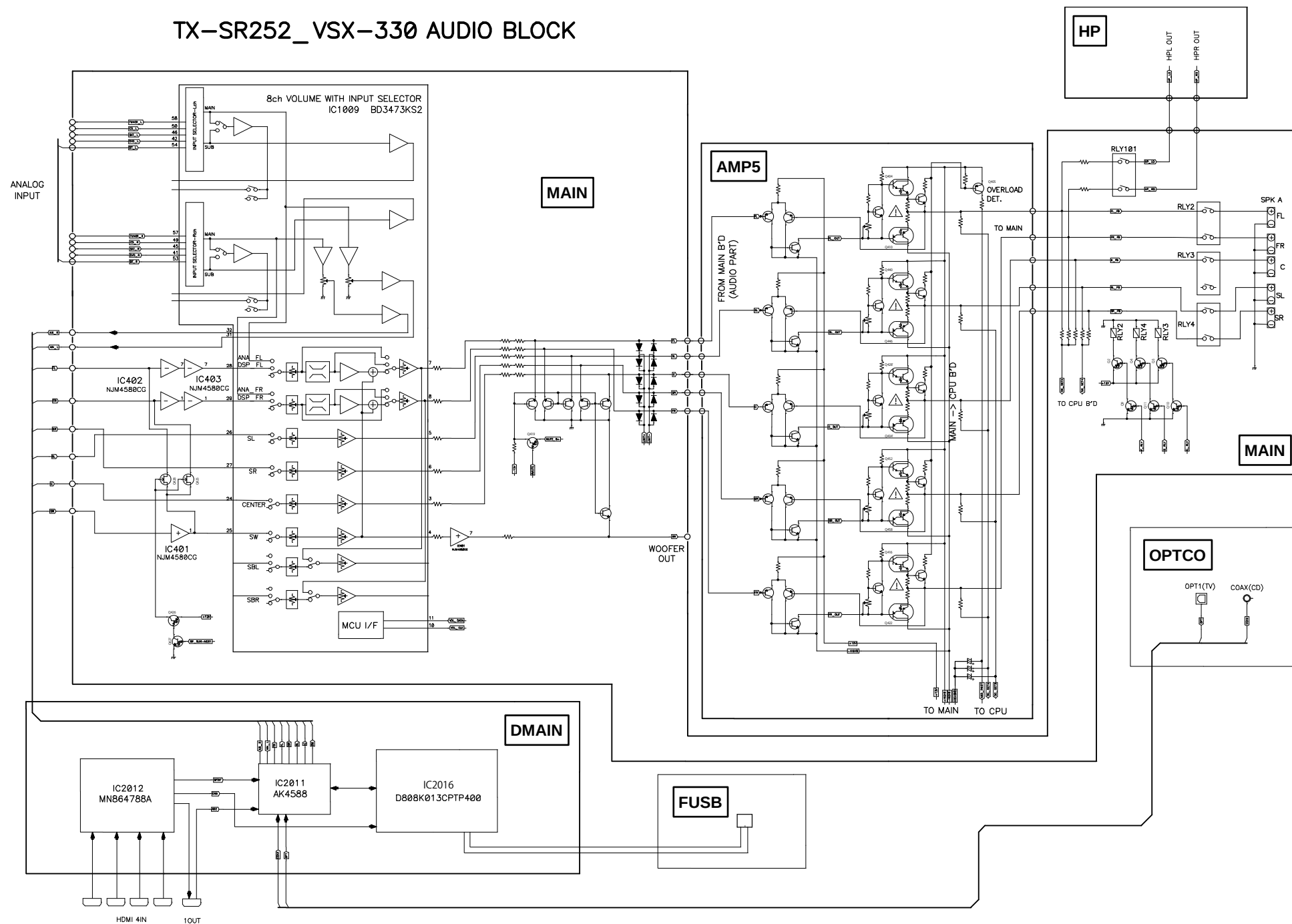
TX-SR252 / VSX-330 WIRING DIAGRAM



AUDIO BLOCK DIAGRAM

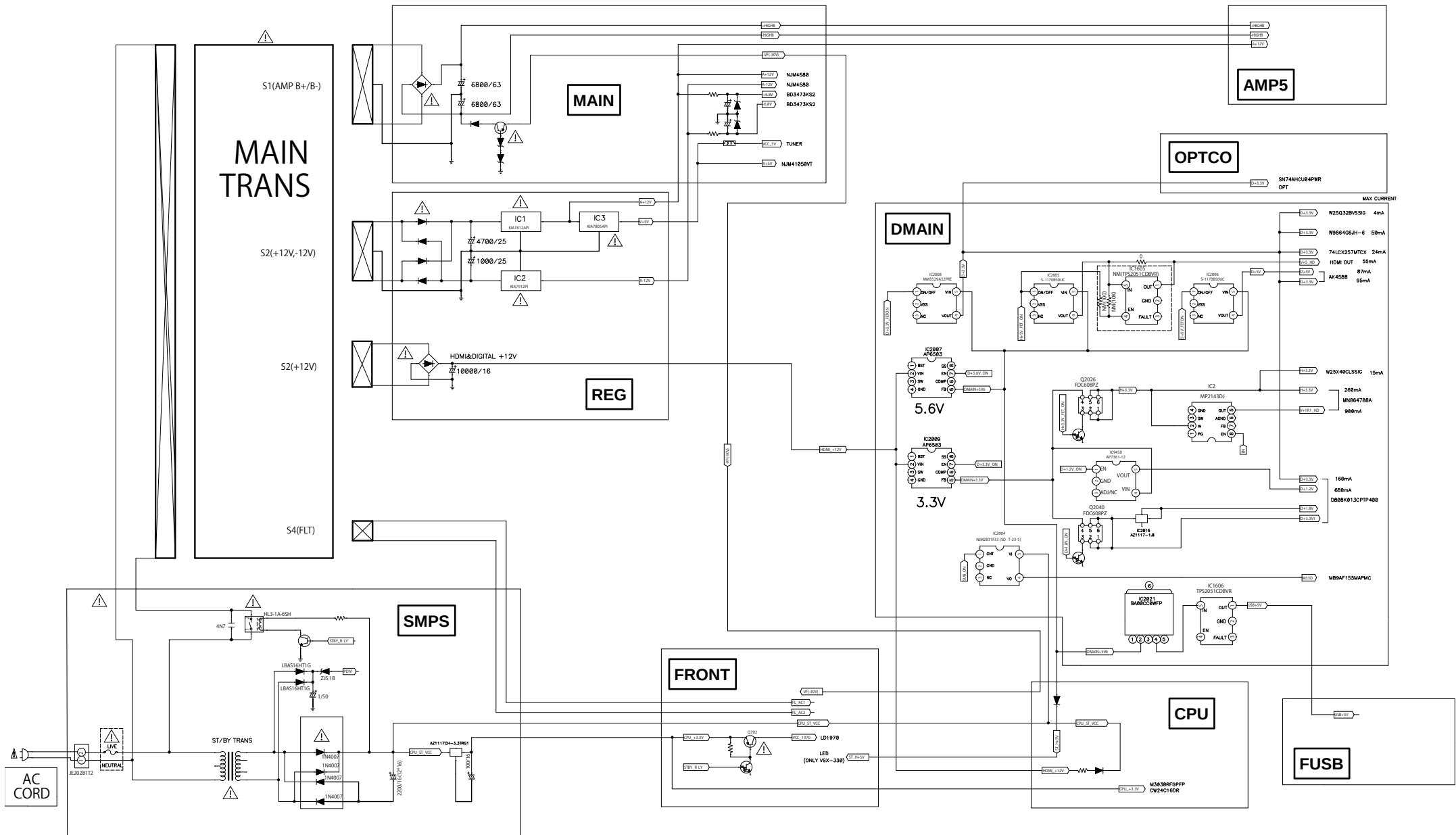
Schematic Diagram

TX-SR252_VSX-330 AUDIO BLOCK



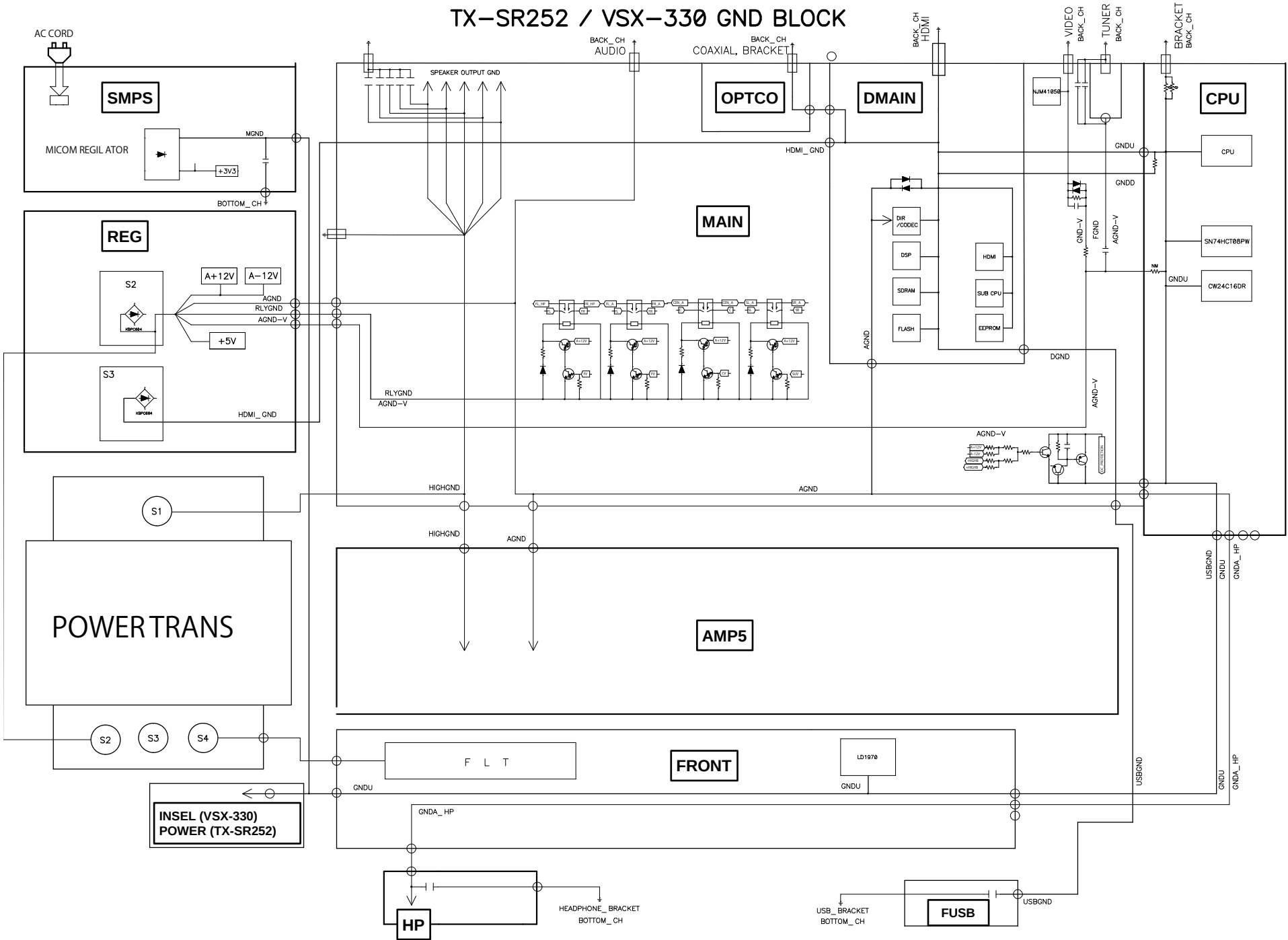
Schematic Diagram

MAIN
TRANS

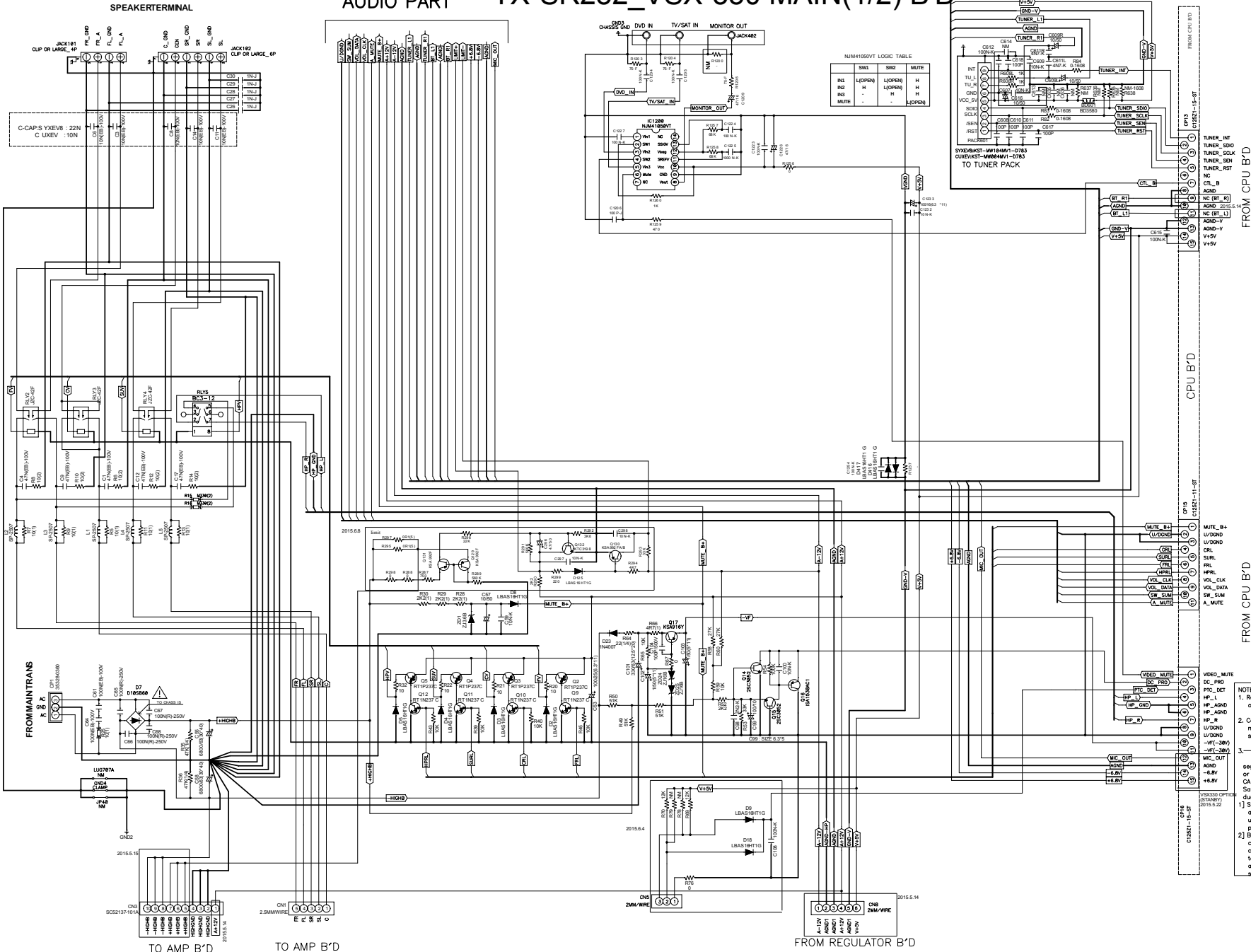


GND BLOCK DIAGRAM

Schematic Diagram



AUDIO PART TX-SR252_VSX-330 MAIN(1/2) B'D



NOTES

1. Resistor values are indicated in ohms unless otherwise specified [k = 1,000 m = 1,000,000]
2. Capacitor values are indicated in microfarads unless otherwise specified. [p = micro-microfarads]

segregated from printed wiring board or other accessible parts.

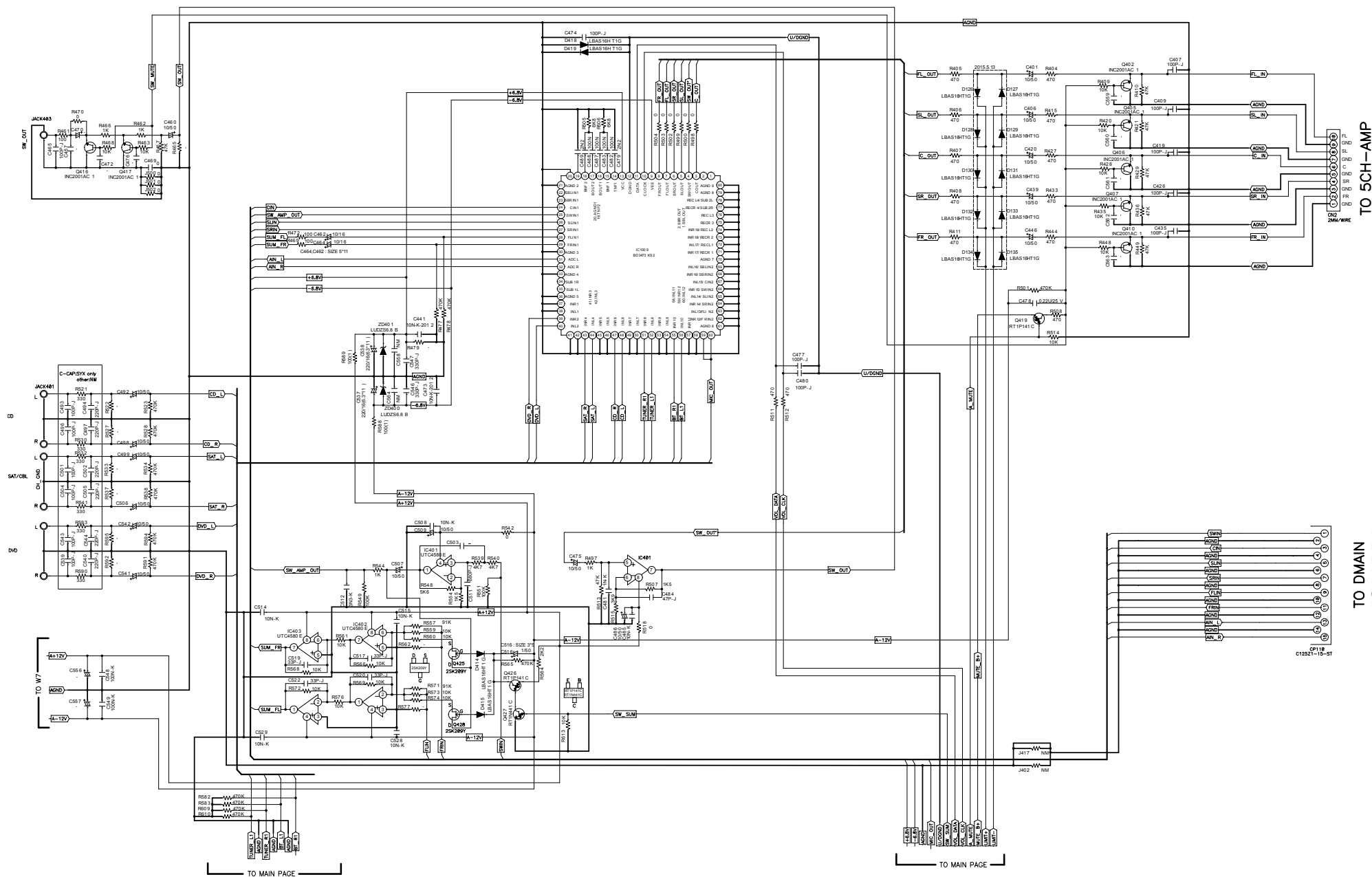
CAUTION

Safety precaution to be followed during servicing

- 1) Since those parts marked with are critical parts for safety, use only the one described in the parts list
- 2) Before returning the set to the customer make appropriate leakage current or resistance measurements to determine the exposed parts are properly insulated from the supply circuit.

TX-SR252_VSX-330 MAIN(2/2) B'D(AUDIO PART)

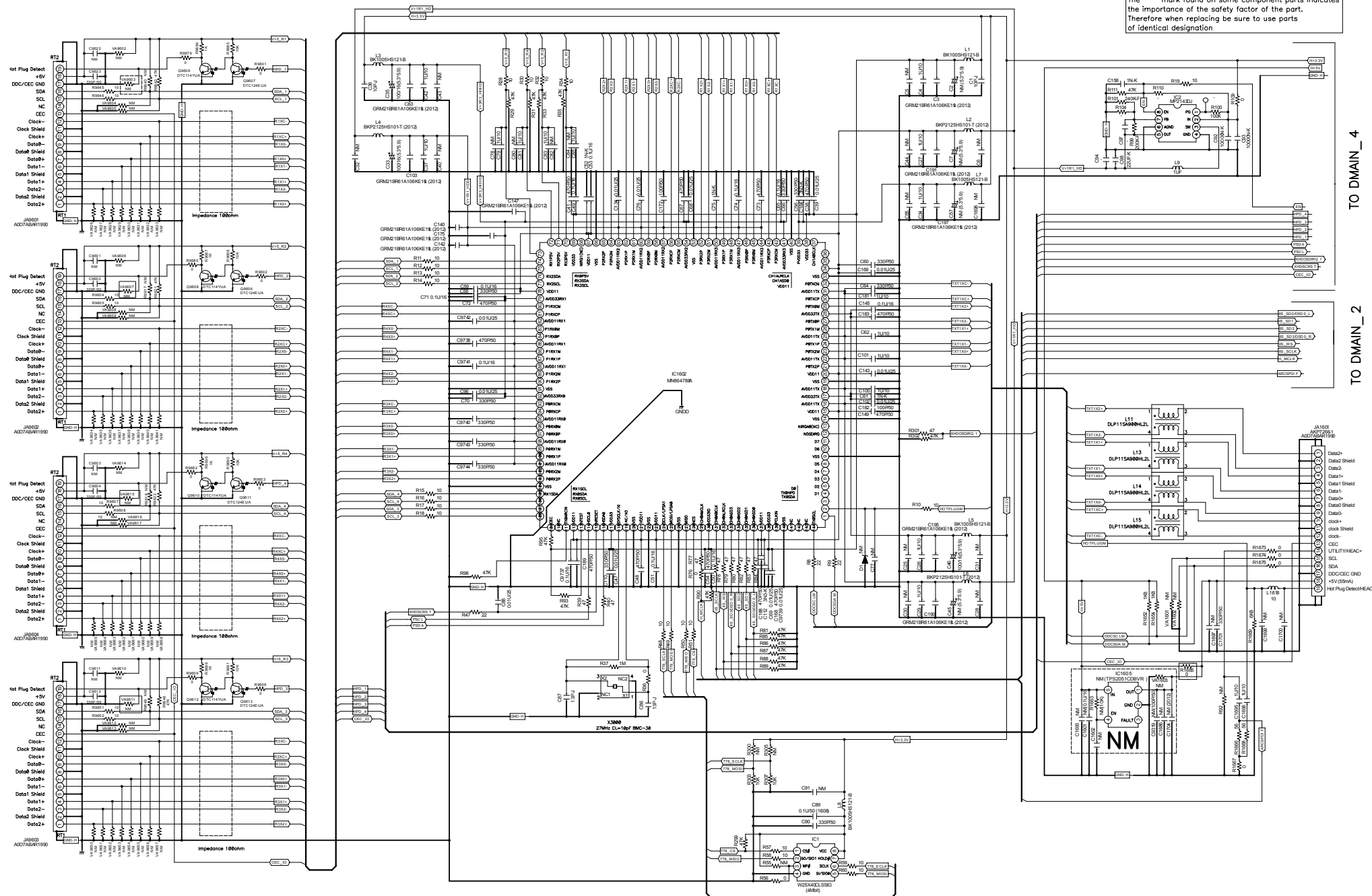
The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore when replacing be sure to use parts of identical designation



TX-SR252 / VSX-330 DMAIN 1

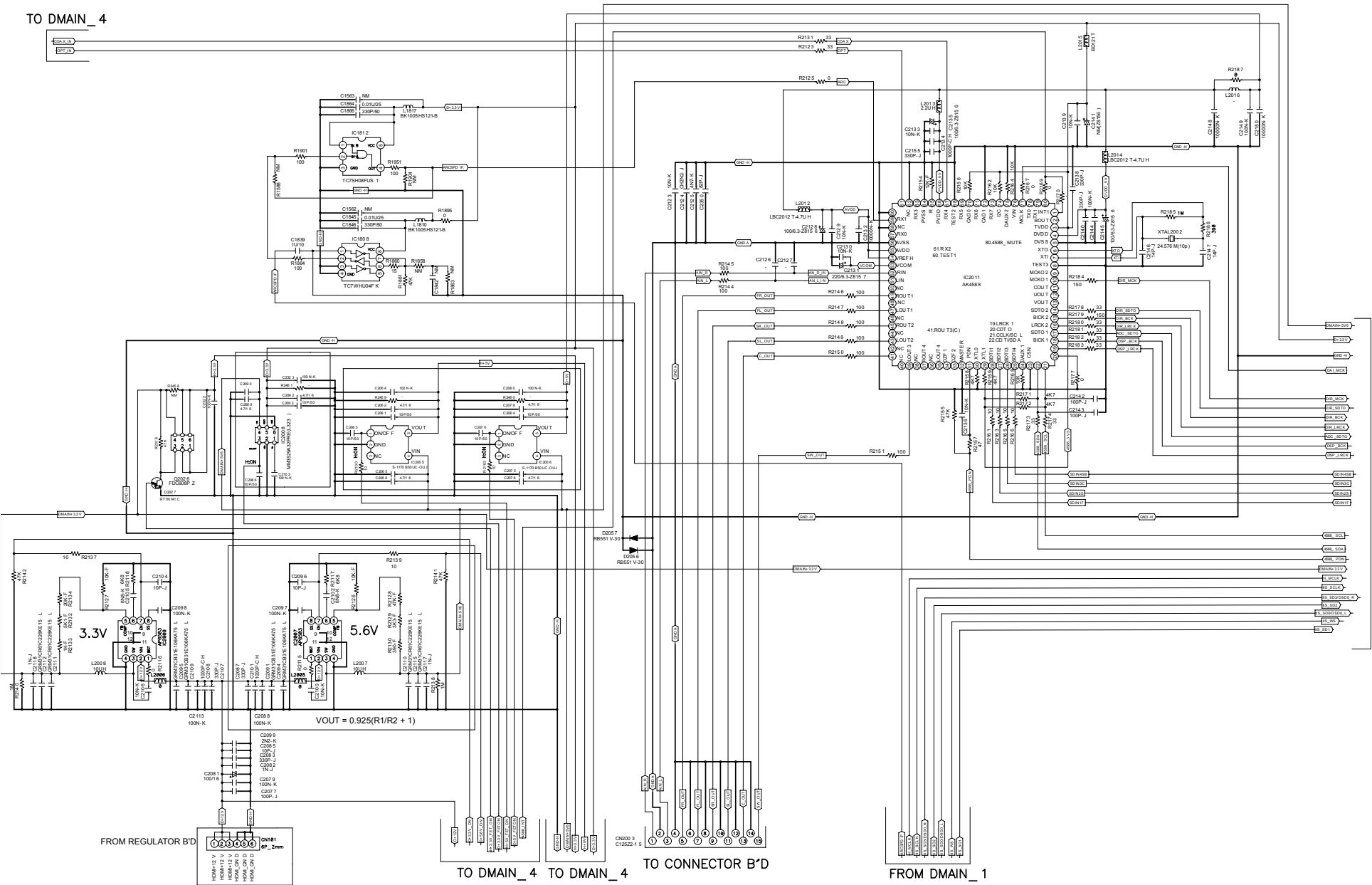
Schematic Diagram

The mark found on some component parts indicates the importance of the safety factor of the part. Therefore when replacing be sure to use parts of identical designation

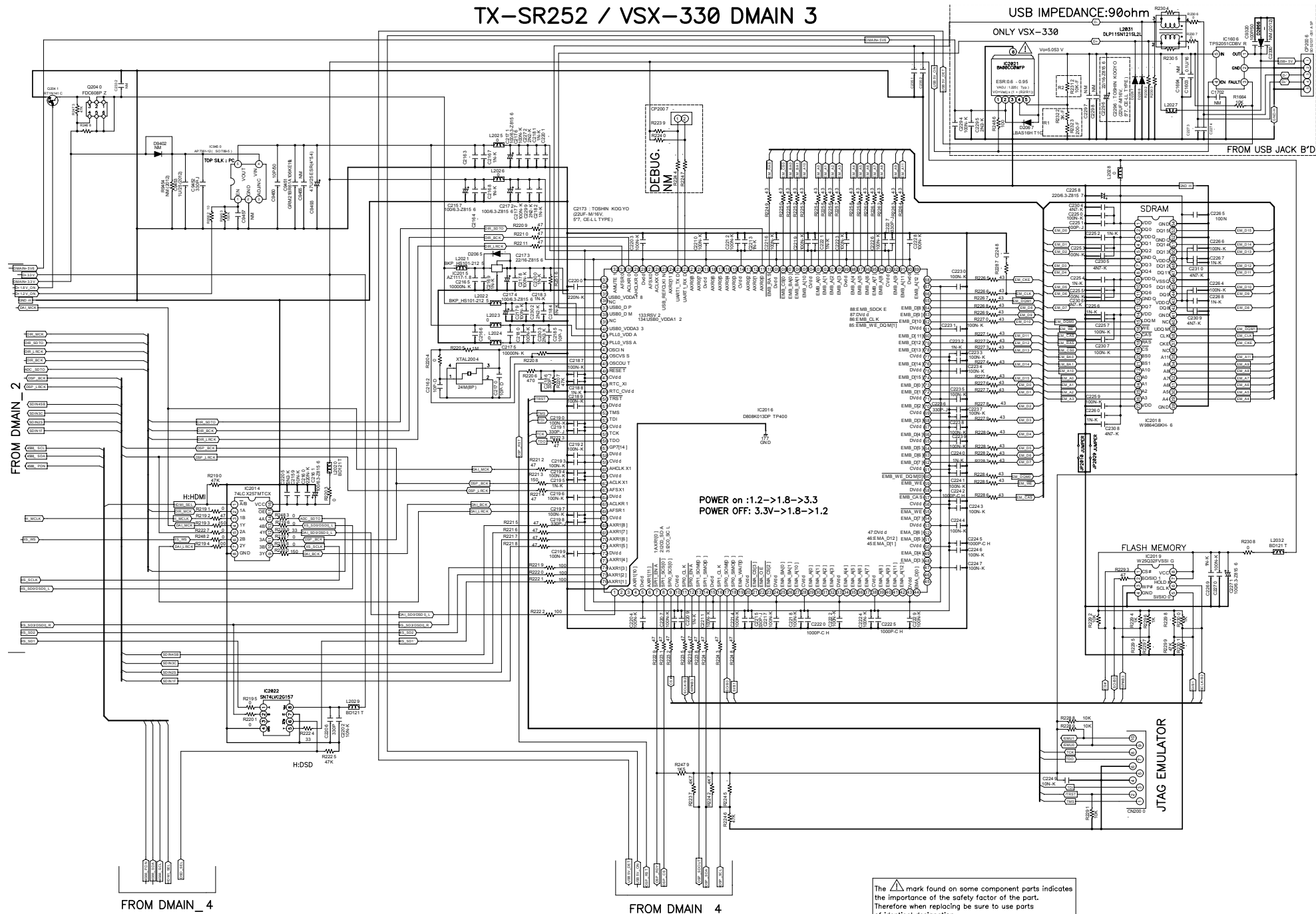


TX-SR252 / VSX-330 DMAIN 2

The mark found on some component parts indicates the importance of the safety factor of the part. Therefore when replacing be sure to use parts of identical designation

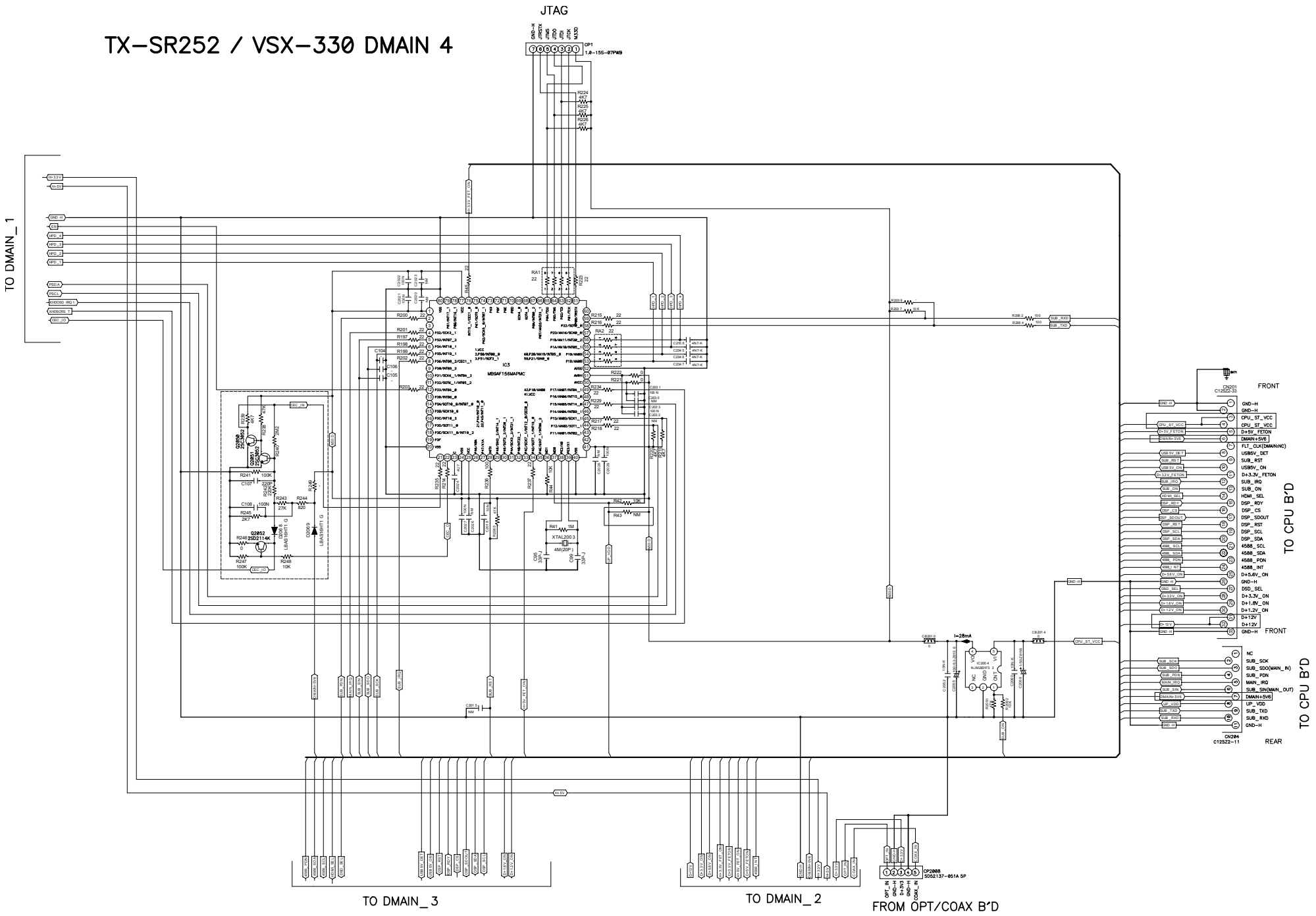


TX-SR252 / VSX-330 DMAIN 3

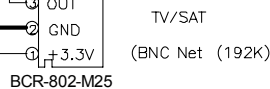


The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore when replacing be sure to use parts of identical designation

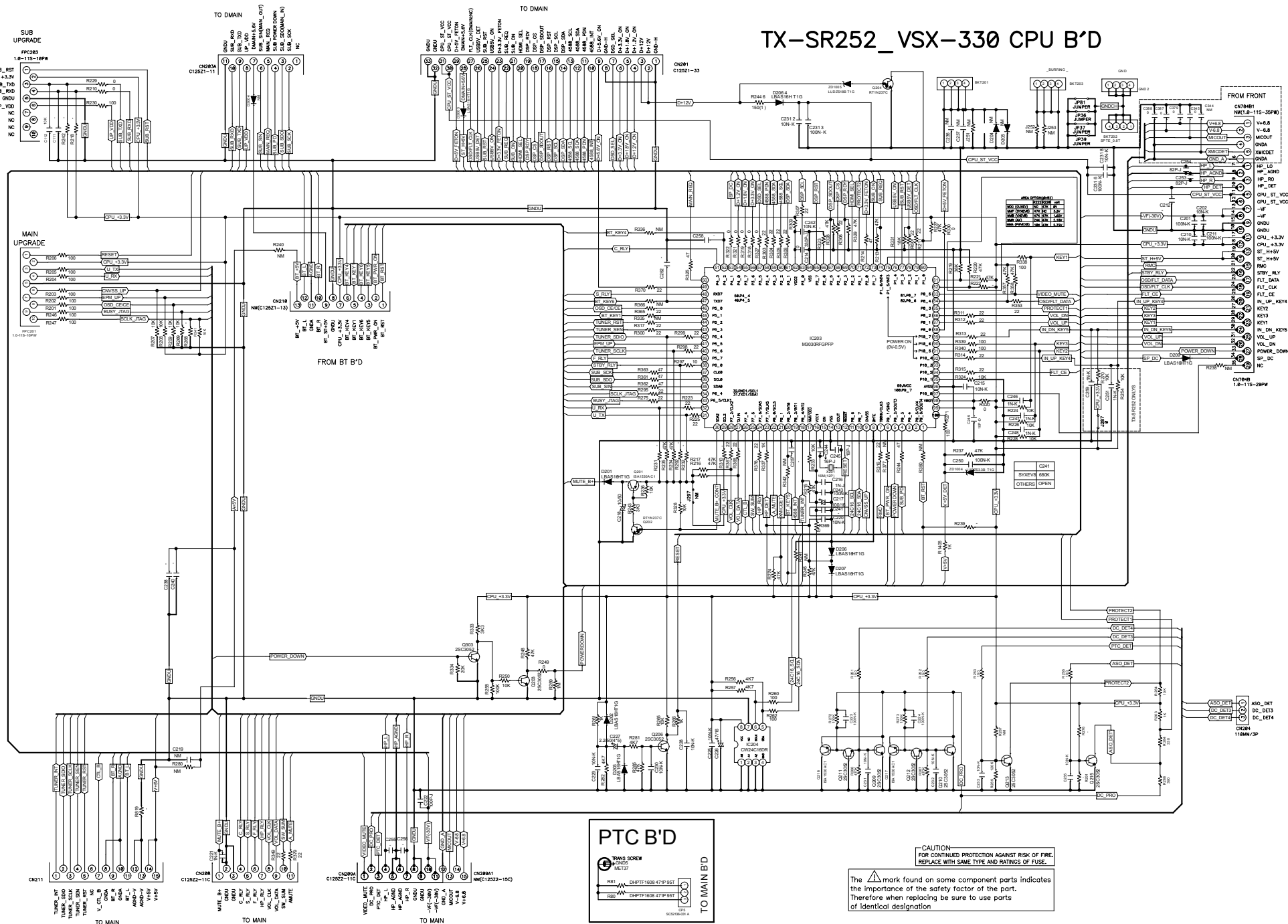
TX-SR252 / VSX-330 DMAIN 4



TO DMAIN B'D



TX-SR252_VSX-330 CPU B'D

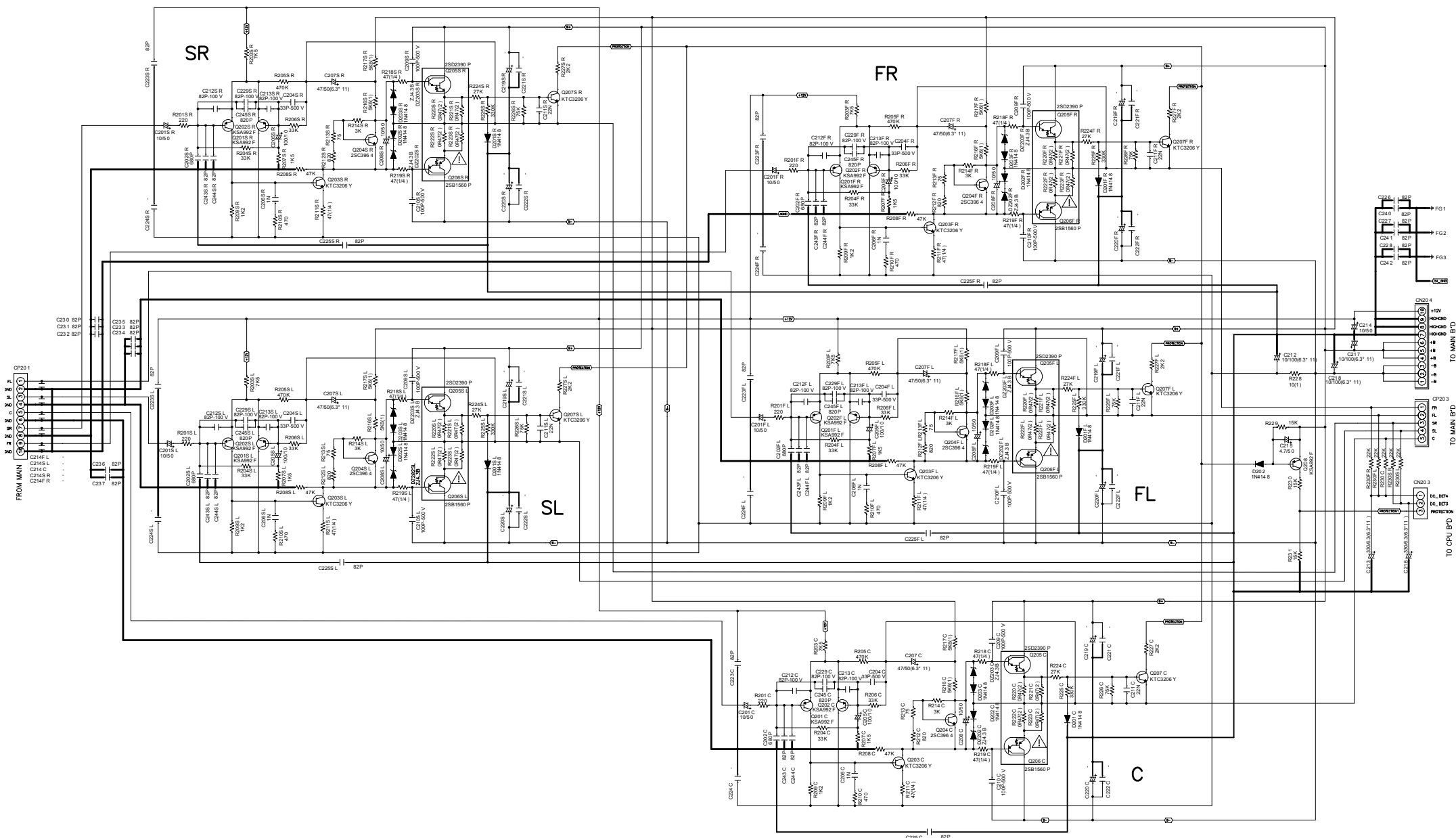


CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

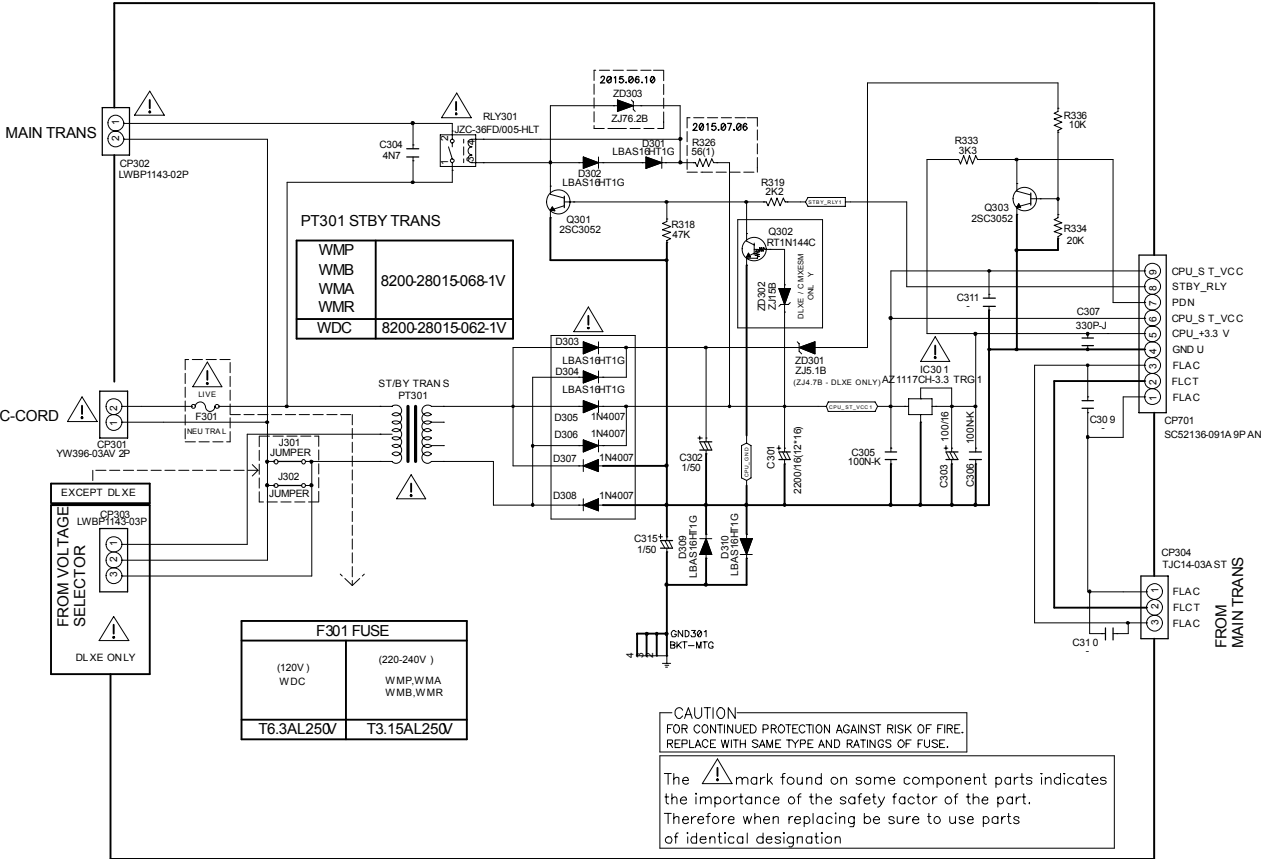
The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore when replacing be sure to use parts of identical designation

TX-SR252_VSX-330 5CHAMP B'D

The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore when replacing be sure to use parts of identical designation.



TX-SR252_VSX-330 ST_BY B'D

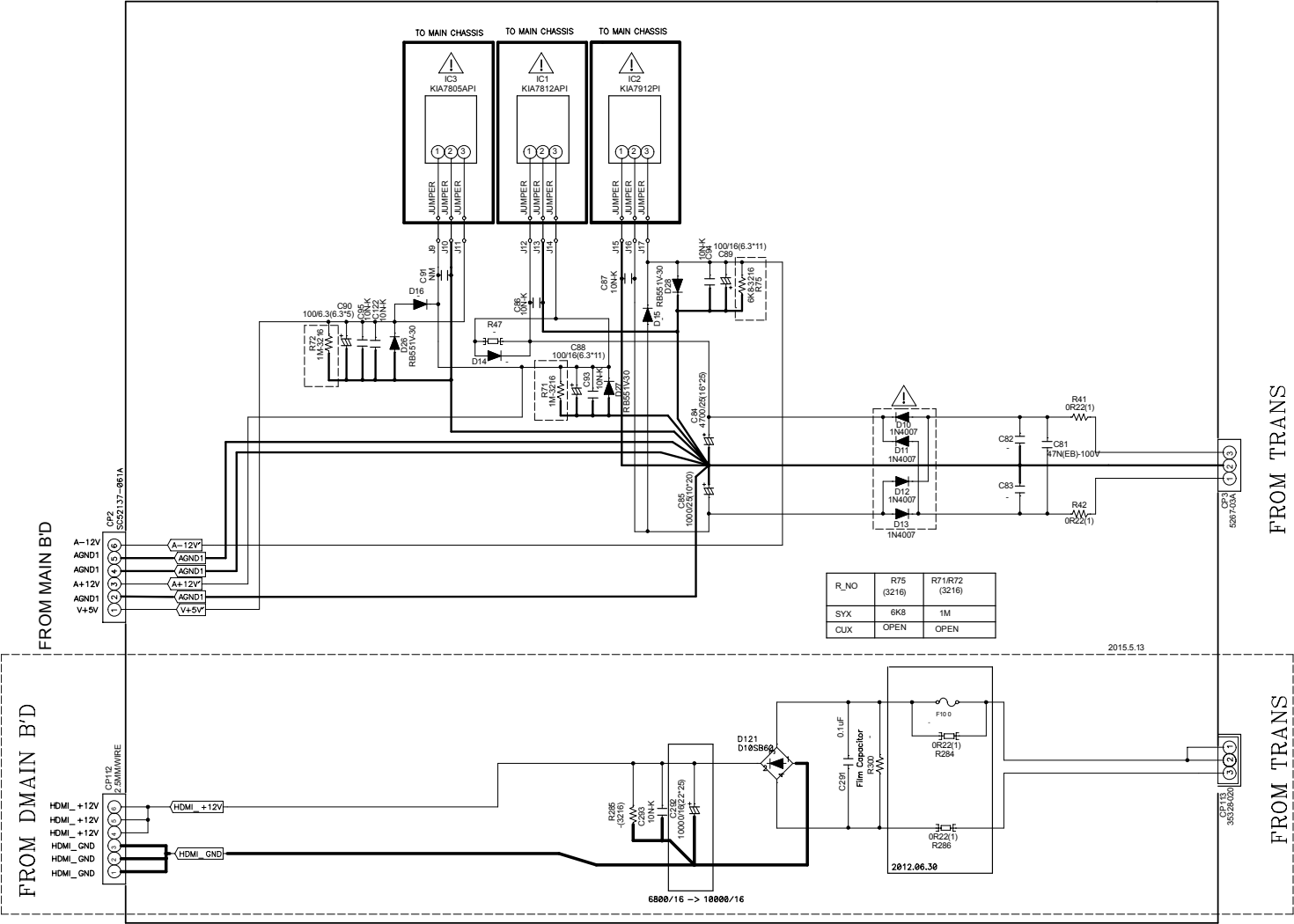


- NOTES
1. Resistor values are indicated in ohms unless otherwise specified
[k = 1.000 m = 1.000.000]
 2. Capacitor values are indicated in microfarads unless otherwise specified.
[p = micro-microfarades]
 3. : These resistor are to be segregated from printed wiring board or other accessible parts.
- CAUTION**
Safety precaution to be followed during servicing
- 1] Since those parts marked with are critical parts for safety, use only the one described in the parts list
 - 2] Before returning the set to the customer make appropriate leakage current or resistance measurements to determine the exposed parts are properly insulated from the supply circuit.

CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

The mark found on some component parts indicates the importance of the safety factor of the part. Therefore when replacing be sure to use parts of identical designation

TX-SR252_VSX-330 REGULATOR B'D



NOTES

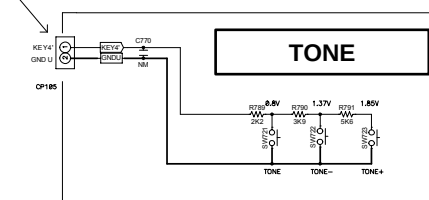
1. Resistor values are indicated in ohms unless otherwise specified
[k = 1.000 m = 1.000.000]

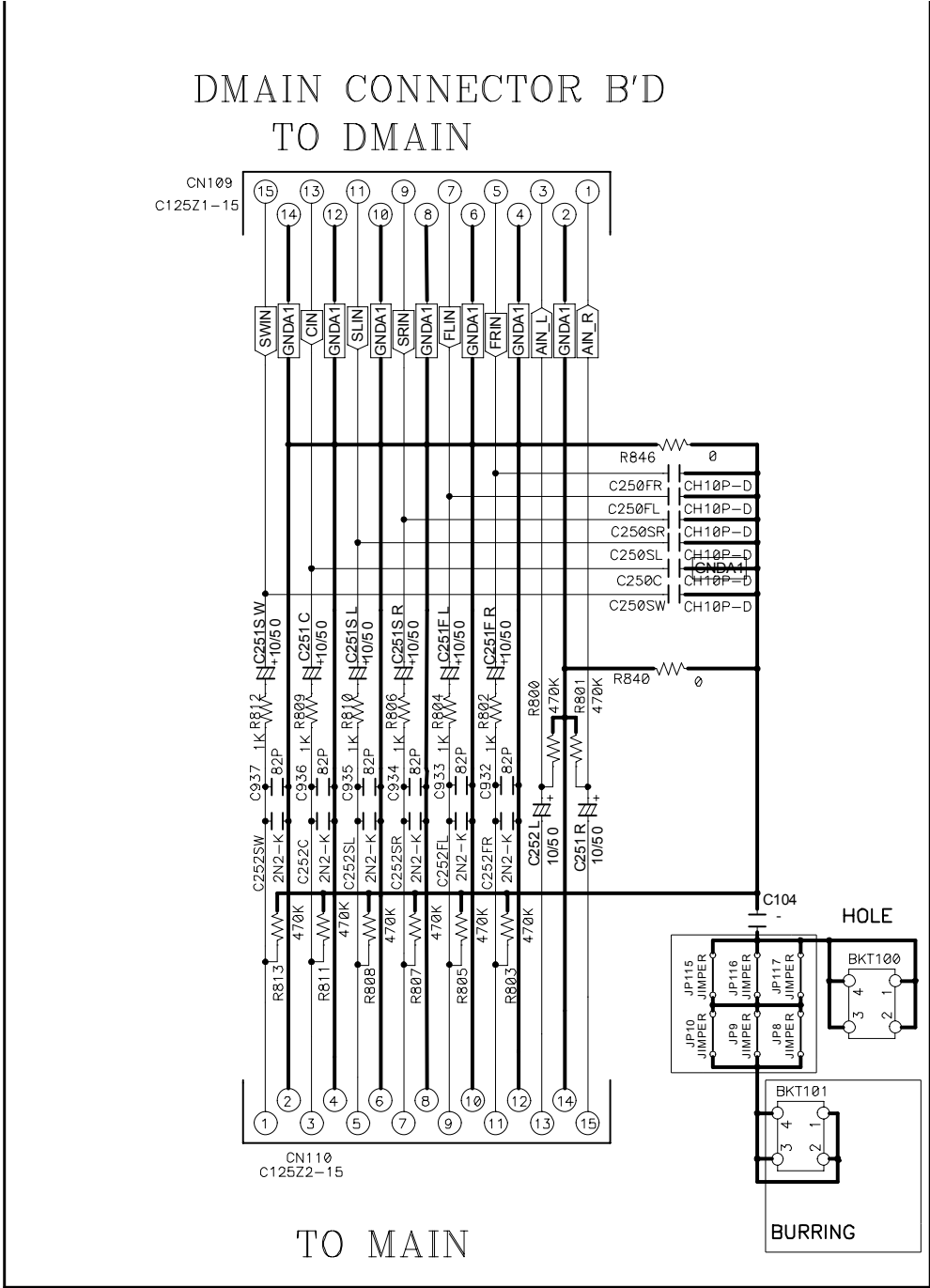
2. Capacitor values are indicated in microfarads unless otherwise specified.
[p = micro-microfarads]

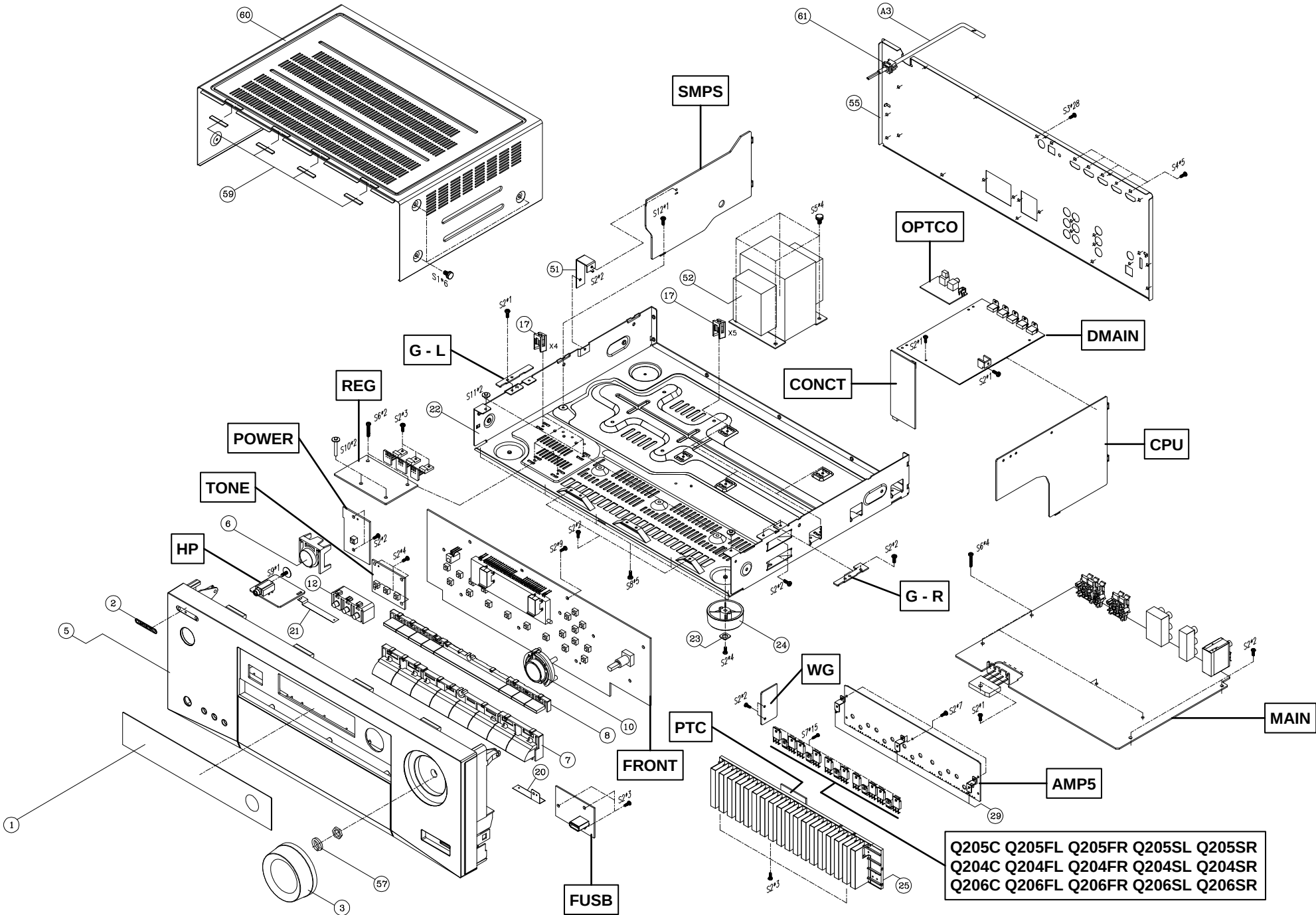
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CAUTION
Safety precaution to be followed during servicing

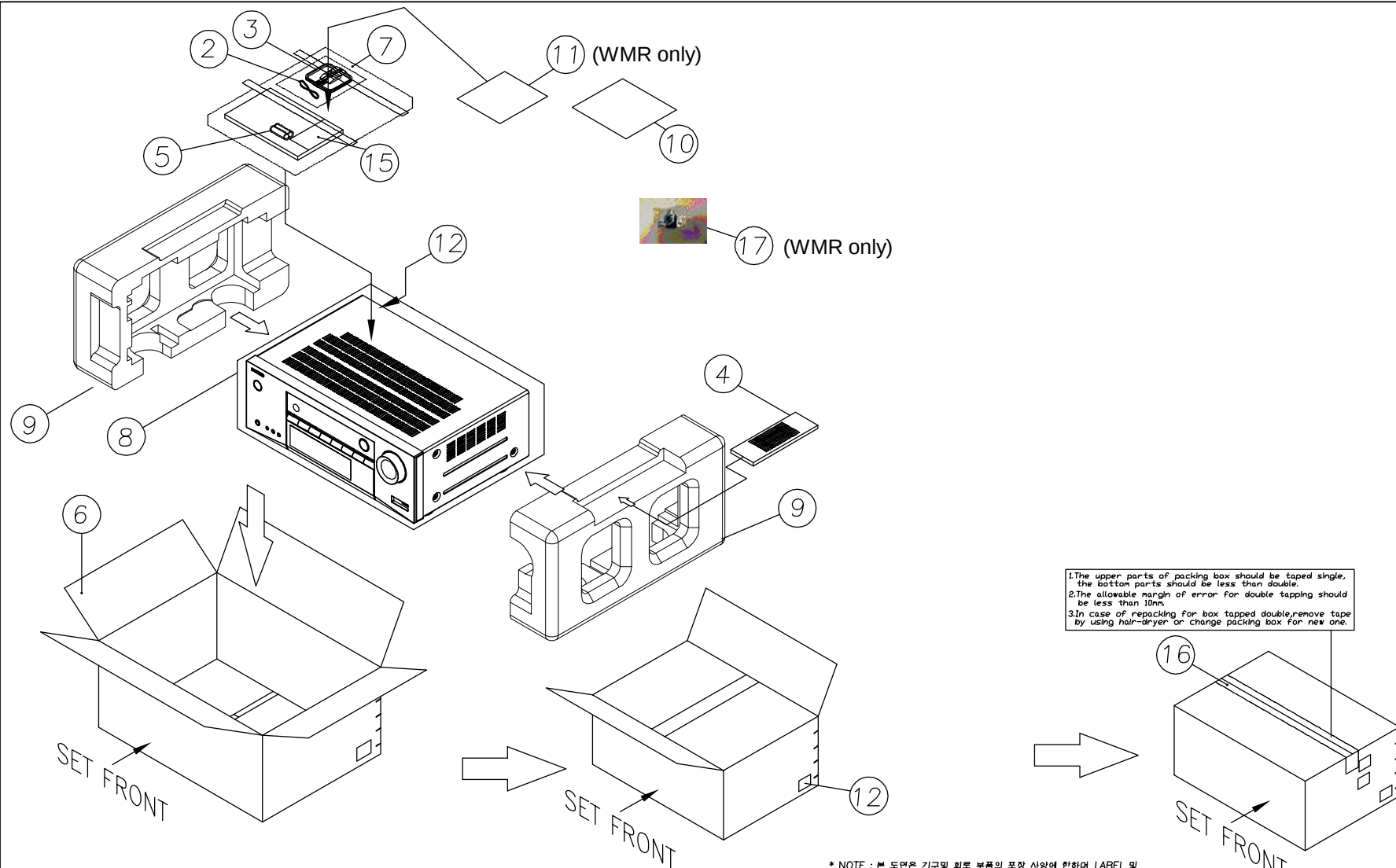
1] Since those parts marked with are critical parts for safety, use only the one described in the parts list

2] Before returning the set to the customer make appropriate leakage current or resistance measurements to determine the exposed parts are properly insulated from the supply circuit.





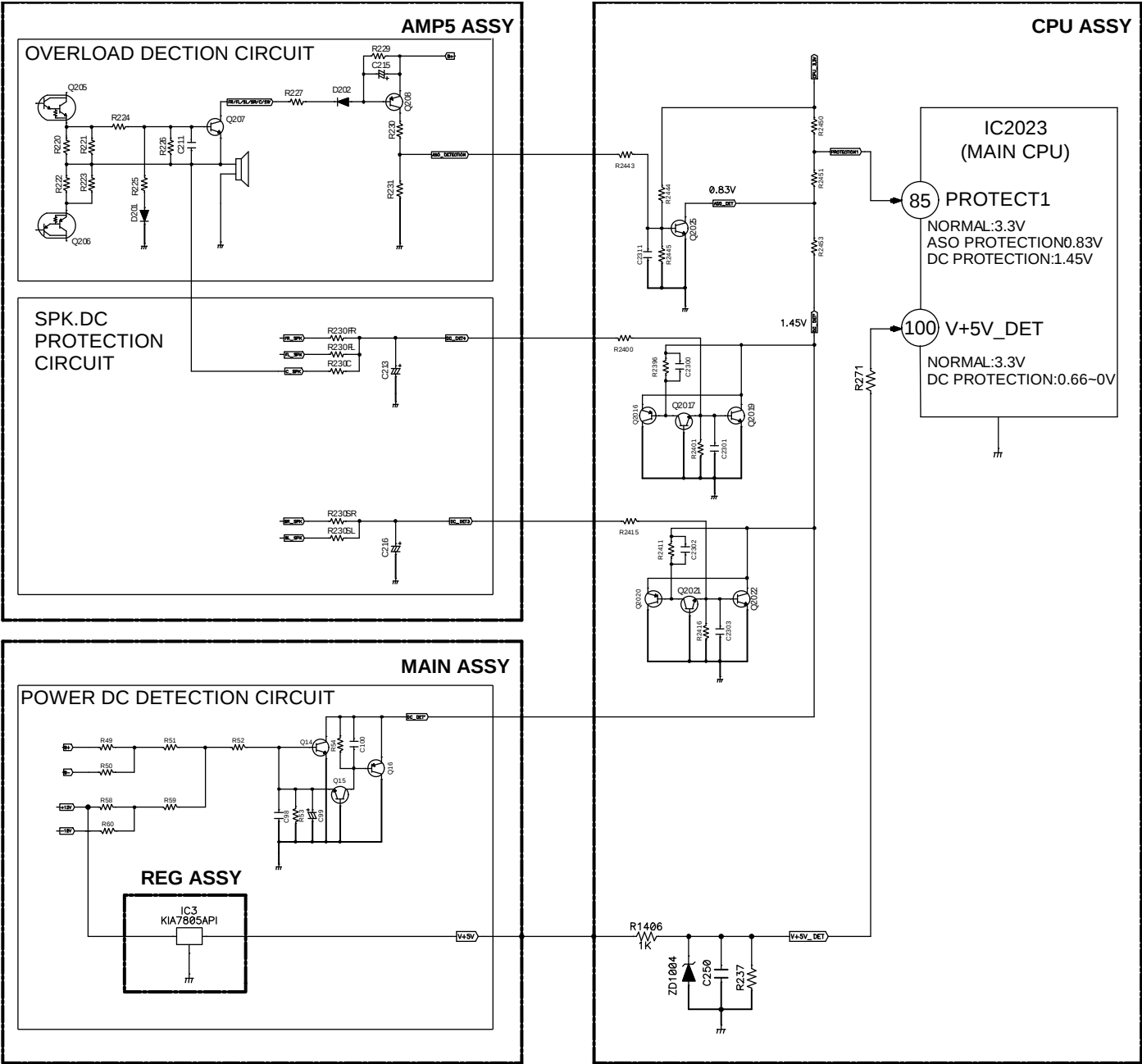




1.The upper parts of packing box should be taped single, the bottom parts should be less than double.
2.The allowable margin of error for double tapping should be less than 10mm.
3.In case of repacking for box tapped double,remove tape by using hair-dryer or change packing box for new one.

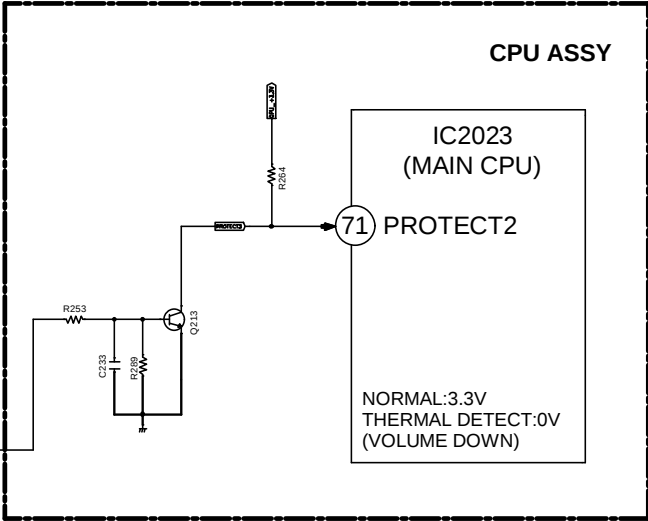
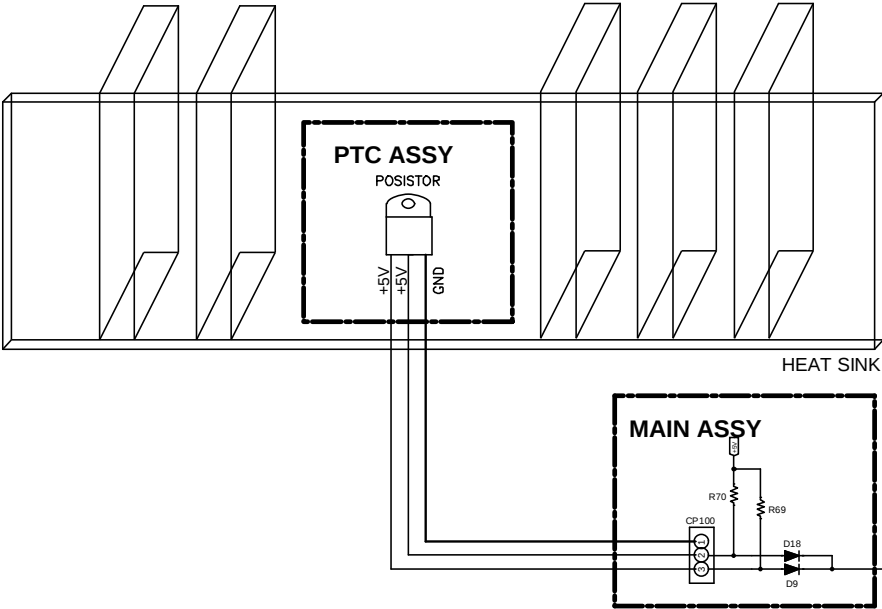
* POLY BAG PACKING STYLE	* BOX BOTTOM TAPE-(O)	* BOX BOTTOM CLIP-(X)

* NOTE : 본 도면은 기구 및 회로 부품의 포장 사양에 한하여 LABEL 및 기타 외장사항은 외장 인쇄 사양서에 준해서 작업 할것.
* NOTE : This drawing is limited the mechanism, accessory packing specification. Conformed to the limit design specifications. (label, etc.)



TEMP Detection Circuit

Protection Circuit



[Purpose]

The numbers of detections for various protection processes are displayed.

[How to enter/exit]

During Standby mode, simultaneously press and hold the [PRESET ←] and [ON/STANDBY] keys for 2 seconds to enter this mode.
The display will return to the normal indication when no key operation is performed for 5 seconds.

[Basic operations]

Key Operation	FL Display	Time (sec.)	Description of Indications
(STANDBY state) [PRESET ←] + [ON/STANDBY] keys (Initial display) ↓ [PRESET ←] key ↓ [PRESET ←] key ↓ [PRESET ←] key ↓ (Initial display)	DC005*2 → Counter 12DCXXX*2 → Counter PTCXXX*2 → Counter OVER003*2 → Counter	5 (-> normal) *1 5 (-> normal) *1 5 (-> normal) *1 5 (-> normal) *1	Number of +5V error detections Number of ±B a±12V DC error detections Number of abnormal-temperature error detections Number of OVERLOAD error detections

*1 "5 (-> normal)" denotes that the display will return to the normal indication when no key operation is performed for 5 seconds.
*2 Variable range: 0 to 255

The above-mentioned Display mode is available only when the product operates properly.

If any protection function is activated while the product is in use, the product cannot be turned ON and enter the above Display mode. In such a case, cancel the protection function, referring to "[3] 3.4 How to cancel the status after detection of the DC error." If a protection function is activated immediately after the previous protection function is canceled, cancel that protection function again then enter STBY mode immediately. You can then see the error logs, following the above procedures, until a next protection function is activated.

[Purpose]

For clearing all the counts of protection detections.
(This mode resets the counts of protection detections.)

[How to enter/exit]

During Standby mode, simultaneously press and hold the [SURROUND] and [ON/STANDBY] keys for 10 seconds to enter this mode.
The display will return to the normal indication when no key operation is performed for 5 seconds.

[Basic operations]

Key Operation	FL Display	Time (sec.)	Description of Indications
(STANDBY state)			
[SURROUND] + [ON/STANDBY] keys (press and hold the keys for 10 seconds.)	CLEAR?	5 (-> normal) *1	
[ENTER] key ↓ (Counter Clear end)	0 K	5 (-> normal) *1	
(Normal display)	BD *2	usually	

*1 "5 (-> normal)" denotes that the display will return to the normal indication when no key operation is performed for 5 seconds.

*2 Indication when the BD function is selected

[Detailed explanations]

- When the procedures for Reset mode for numbers of protection detections are completed, all the counters will be reset to "000."
- Prohibitions:
The protection detection counts cannot be cleared (reset to 000) with the MEMORY CLEAR process.
They can only be cleared when the procedures of Reset mode are completed.

[Purpose]

- The unit's operation when a DC/OVER/TEMP error is detected is described here.
- How to cancel the status after detection of a DC error is described here, because no key input will be accepted after a DC error detection.

[Basic operations]

3.1 DC (AMP is abnormality) error detection

Key Operation	FL Display	Time (sec.)	Description of Indications
(Normal display)	BD	usually	Normal display
(DC detection)	BD		
↓ (Auto) (RECEIVER POWER OFF)			

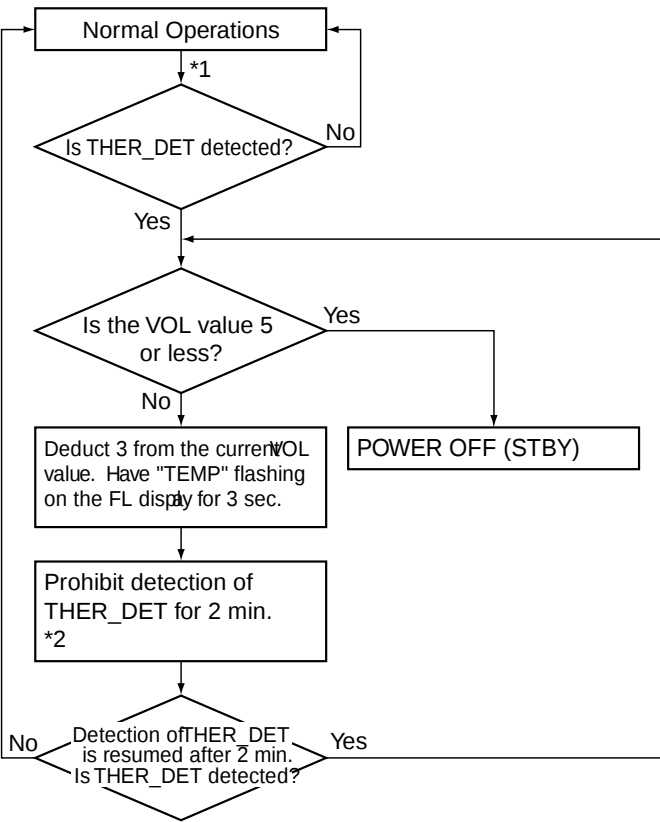
3.2 OVERLOAD (overcurrent) error detection

Key Operation	FL Display	Time (sec.)	Description of Indications
(Normal display)	BD	usually	Normal display
(OVERLOAD detection)	BD		
↓ (Auto) (RECEIVER POWER OFF)			

3.3 TEMP (AMP overheat) error detection

For detection of a TEMP error, the unit monitors both the THER_DET and OVERLOAD & DC_DET signals. If a TEMP error is detected, the processes shown below will be performed. The processes shown below are rough operational specifications and are not the actual commands from the mounted components. After a TEMP error is detected, the count of protection activation detections will be updated.

Counter: Temp2 PROTECT2
P2_2 (pin 70)
(THER_DET from MAIN Assy)



3.4 How to cancel the status after detection of the DC error

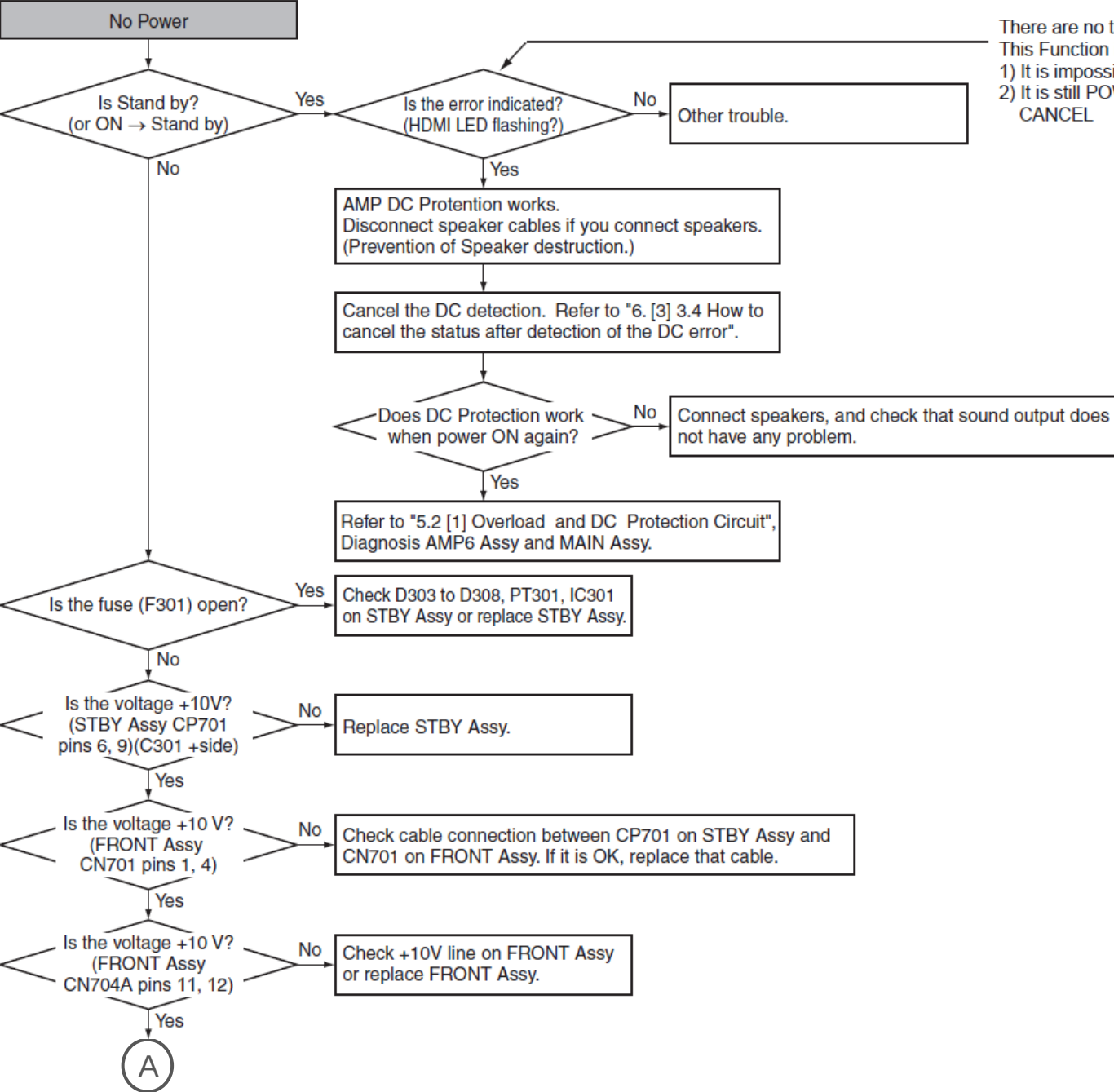
Key Operation	FL Display	Time (sec.)	Description of Indications
(STANDBY state) [DSP] + [ON/STANDBY] keys (press and hold the keys for 2 seconds.) ↓ (Normal display)	 BD	usually	Normal display

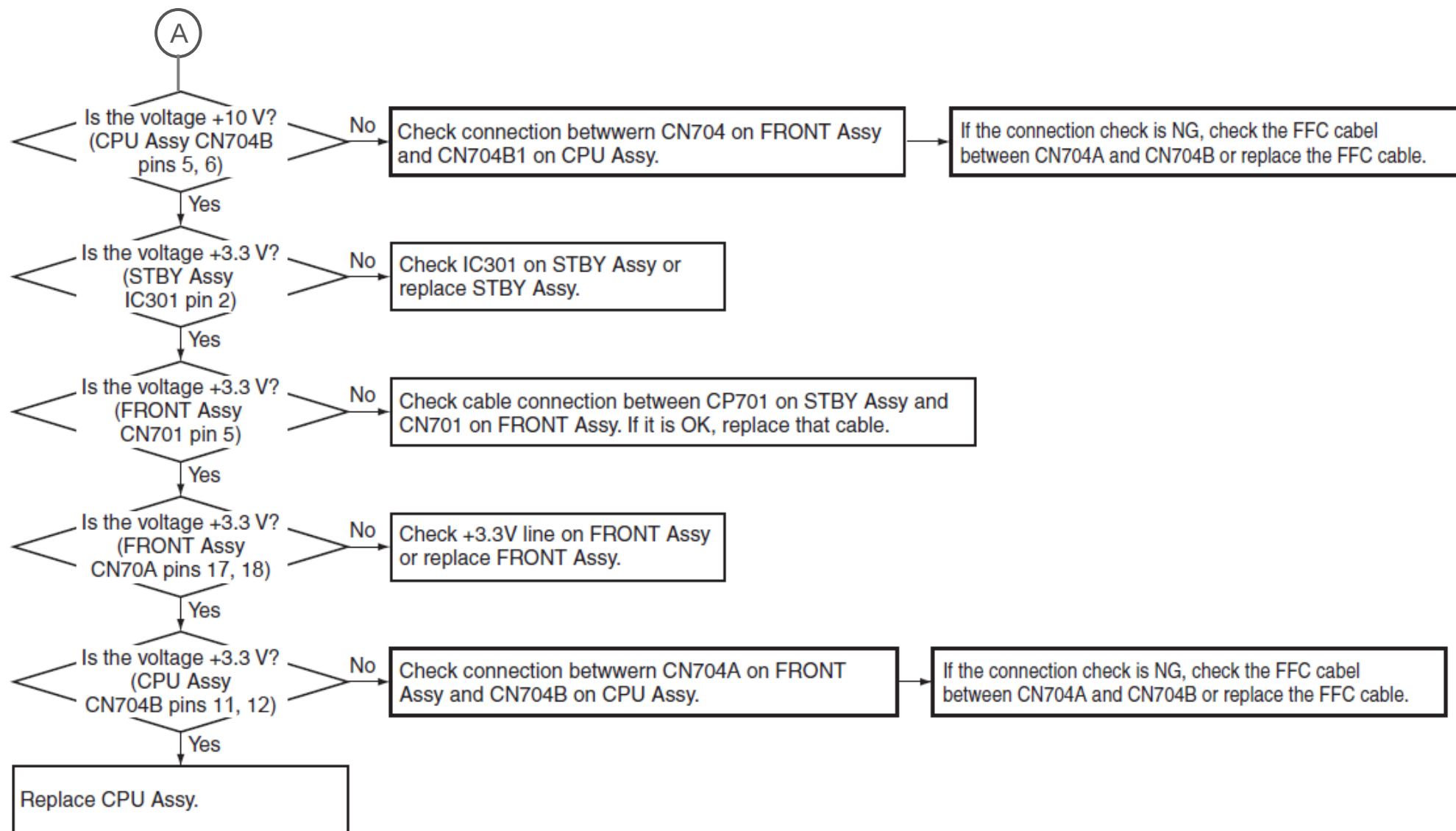
[Detailed explanations] Simultaneously holding the [DSP] and [ON/STANDBY] keys on the front panel pressed for 2 seconds will cancel Key Input Inhibition mode after a DC error detection and turn the unit ON.

This is just for general reference and does not including every single case.

Attention:

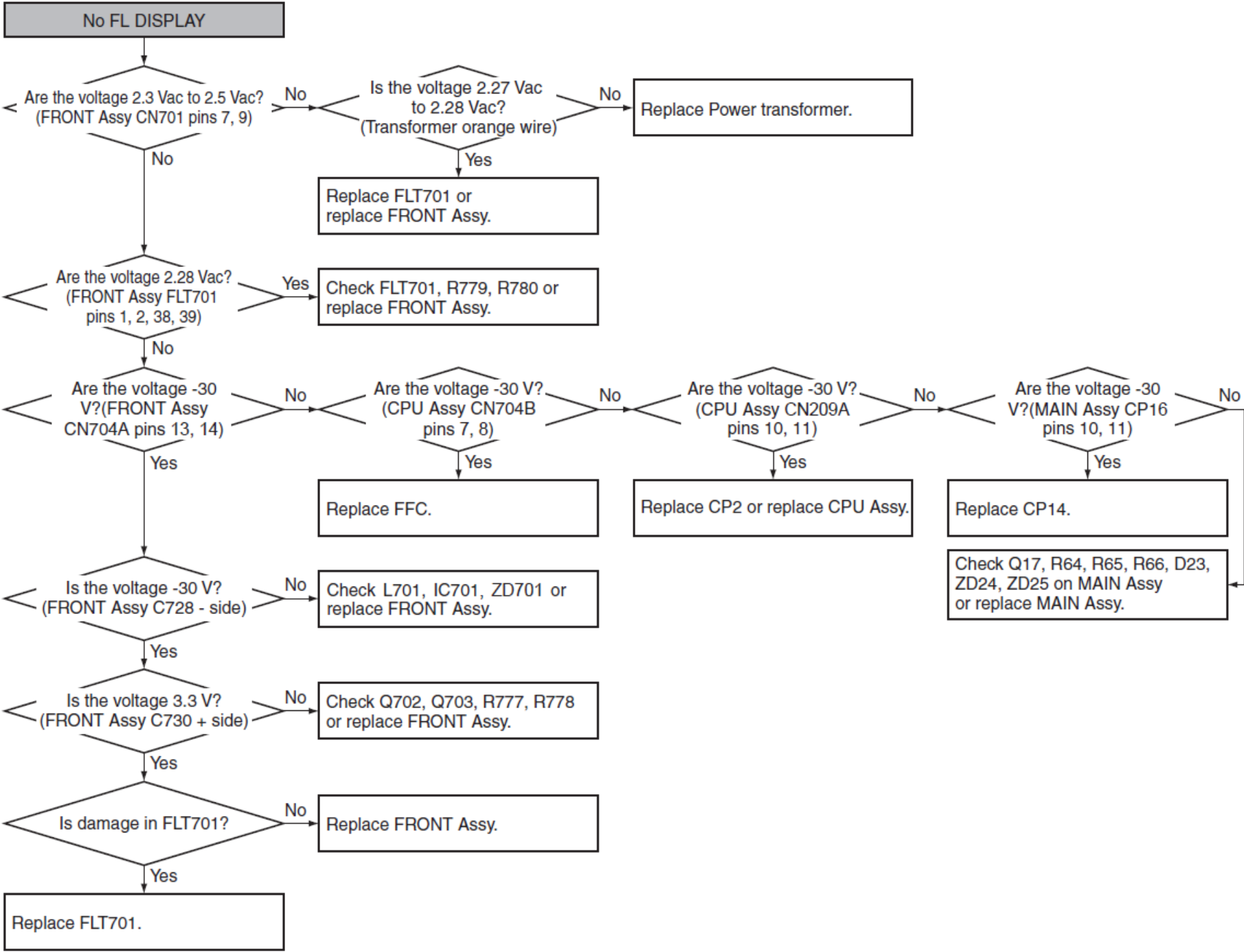
There are no this function on TX-NR252.
This Function is as below on TX-NR252
1) It is impossible POWER ON.
2) It is still POWER OFF when DCERR
CANCEL



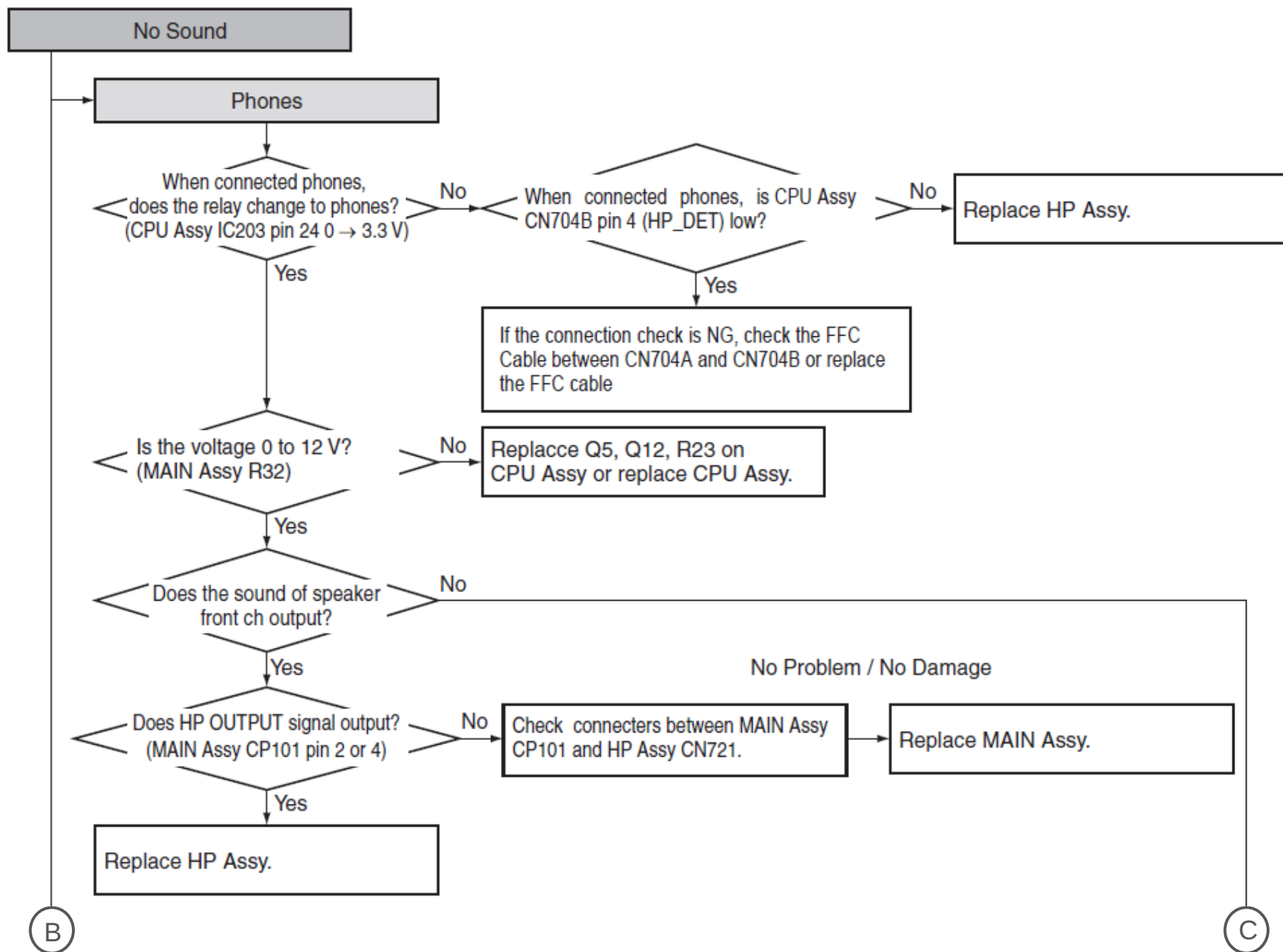


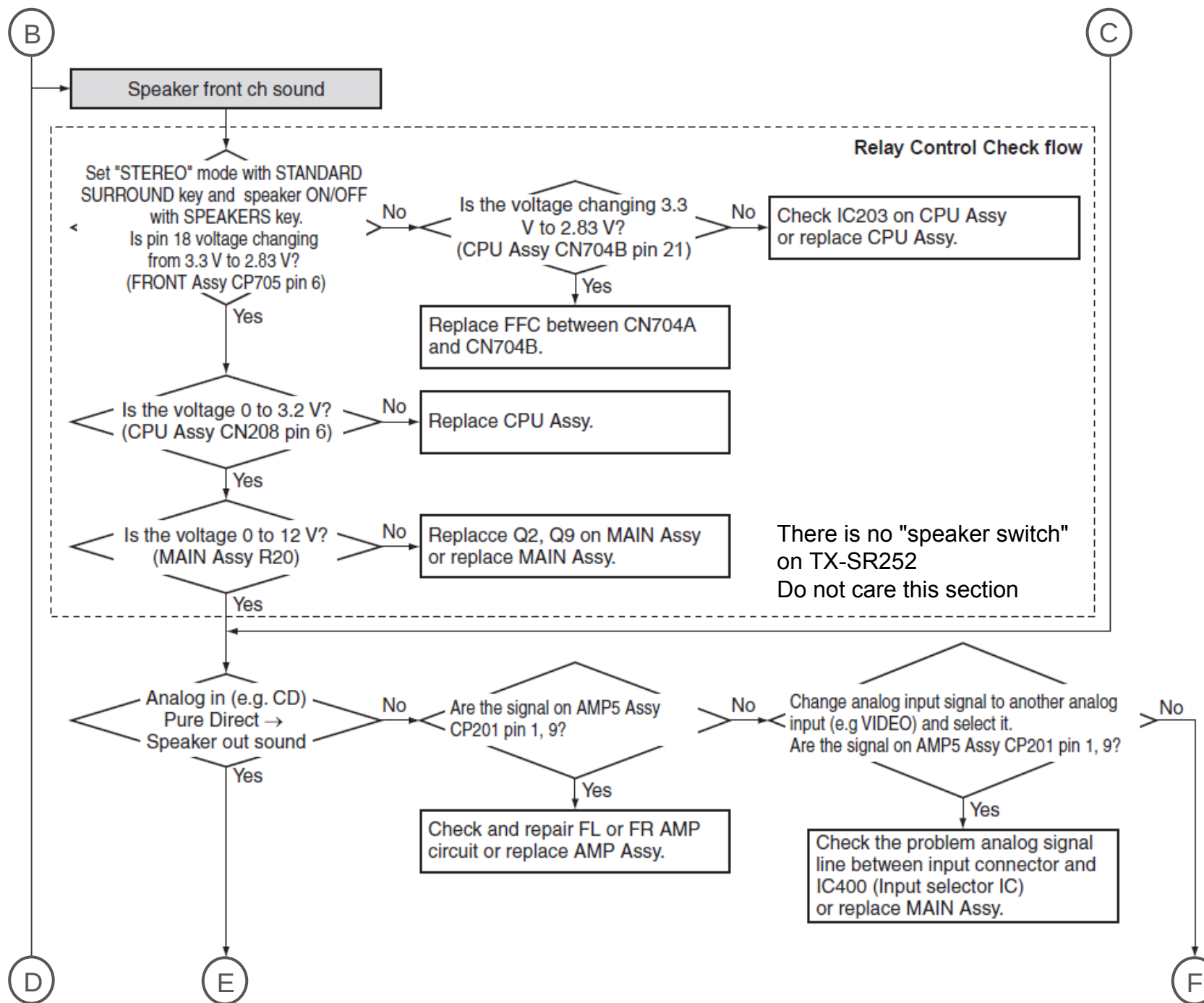
No Display

Trouble Shoot

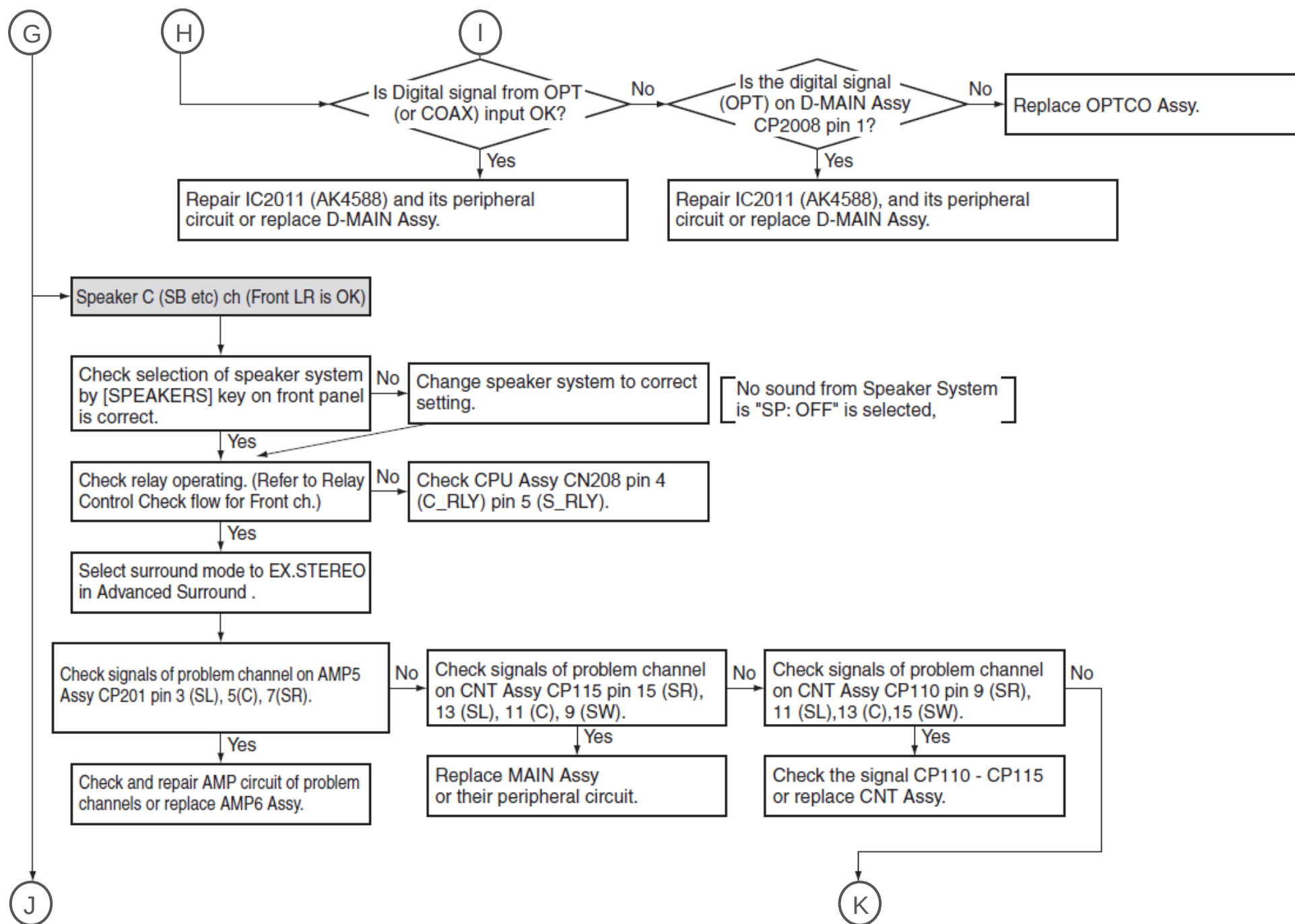


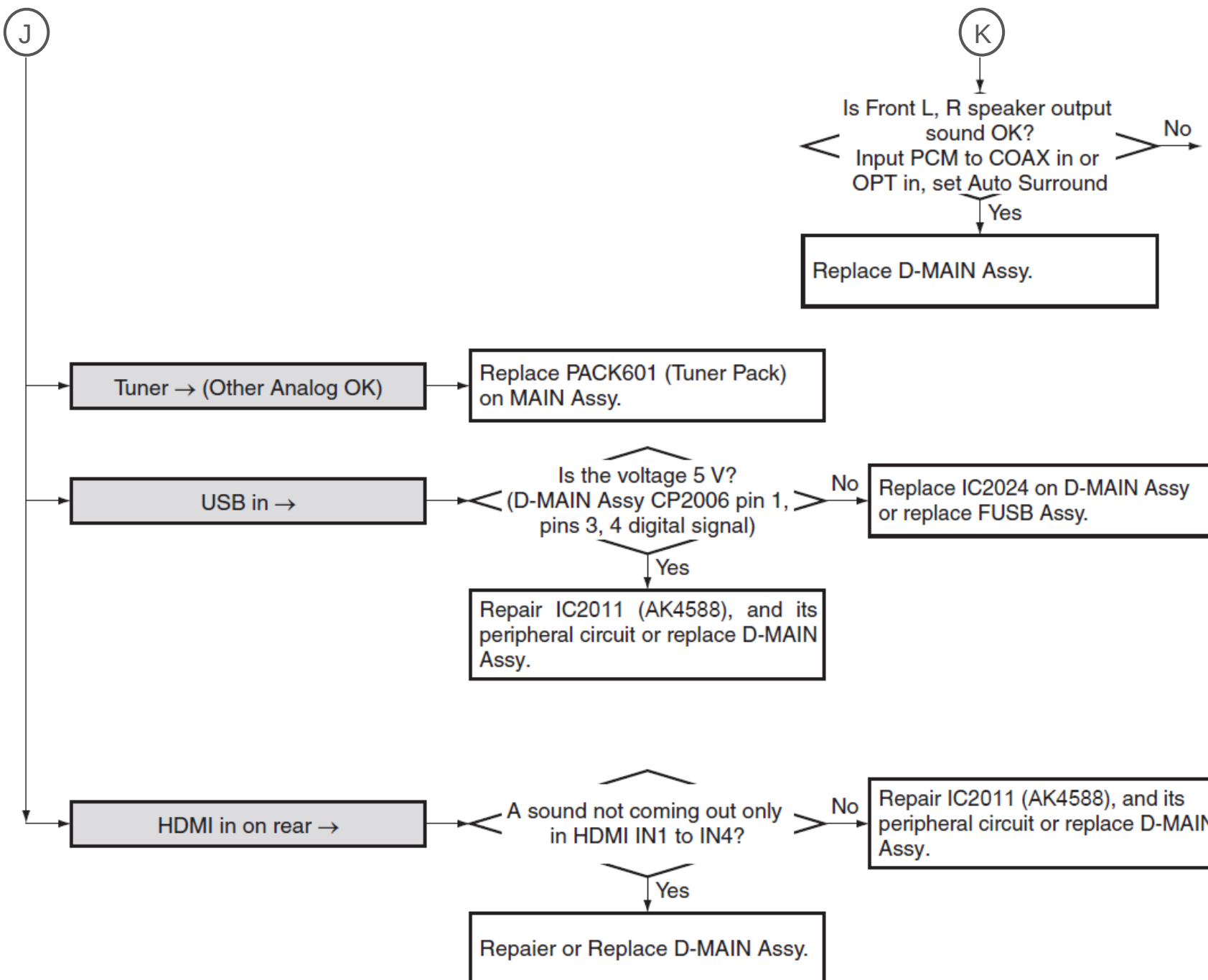
This is just for general reference and does not including every single case.











TX-SR252(B)WMP

<Note>

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

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

<Notes>

(B) : Black color model

<WMP> : 220-240V

CE(European) model

: NSP

TX-SR252(B)WMP

EXPLODED VIEW PARTS LIST

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Cabinet, Chassis, Screws, Nuts]					
1	* CASING ASSY	TX-SR252/WMP(ONKYO)	1	1018HK1509030	
2	* SCREW	AVR3300(E3)(DENON) +2S 4*8 B-TYPE(DOT) BK/BH	6	1500040083B10SV	
2	* CABINET ASSY	VXS523K/CUXESM(PIONEER) SECC 0.6T /TOP BK	1	3008212076000V	
3	59 SHEET	SHEET BK HARDNESS 10-20/CABINET	4	1210210235000SV	
3	60 CABINET	VXS 423K/SYXE8_VIET BK_SP MASKING SECC 0.6T/TOP	1	3007212076020S	
2	57 SPRING	VXS824 SWP Φ1.2 P17.6	1	3720210556000S	
2	3 KNOB	TX-SR252/VXE8(PIONEER) ABS BK A4/VOLUME	1	5080212991000S	
2	* SCREW,TAP TITE	AVR3300(E3)(DENON) +2S 3*10 B-TYPE(DOT) BK/BH	4	B020030103B11SV	
1	* WIRING ASSY	TX-SR252/WMP(ONKYO)	1	1028HK1509030	
2	* SCREW	HRV4000(K)(HAITAI) +2S 3*8 P19.5 B-TYPE ZNW	2	1500001206010SV	
2	* SCREW	ST7001N1S(MARANTZ) +2S 3*17 P19.5 B-TYPE ZNW	2	1500001206020SV	
2	55 CHASSIS	TX-SR252/WMB SECC .6T A2/BACK	1	3207215246200V	
2	* CHASSIS ASSY	TX-SR252/WMB(ONKYO) NAM SECC t1.0	1	3208214556221V	
3	22 CHASSIS	VXS423K/SYXE8(PIONEER) SECC t1.0 /MAIN	1	3200214556211S	
3	24 FOOT	TX-SR252/WMB(ONKYO) ABS HF-380 BK A3	4	4000210961000V	
3	23 CUSHION	AA6J/MYXCN5(PIONEER) PORON BK 18.6*18.6*2.0t A4/FO	4	4050211605000SV	
3	17 SUPPORTER	VXS423K/SYXE8(PIONEER) ABS BK/PCB	9	407001601020S	
3	* SCREW,TAP TITE	KRA4030(K)(KENWOOD) +2S 3*8 B-TYPE ZNW/BH	4	B020030081B10SV	
2	51 BRACKET	AVR1911BKE3(DENON) SECC t1.0 A4 /SMPS	1	401021488600DS	
2	* CLAMP	CABLE TIE DACT-100A	8	4330040343010S	
2	61 STOPPER	CORD HOLDER DACH-1	1	4380040162010S	
2	* SCREW,TAP TITE	VXS925K/CUXCN(PIONEER) +3S 3*4 S-TYPE BK/BH	5	B020030043B10SV	
2	* SCREW,TAP TITE	KRA4030(K)(KENWOOD) +2S 3*8 B-TYPE ZNW/BH	22	B020030081B10SV	
2	* SCREW,TAP TITE	KRA4030(K)(KENWOOD) +2S 3*8 B-TYPE BK/BH	5	B020030083B10SV	
2	* SCREW,TAP TITE	AVR3300(E3)(DENON) +2S 3*10 B-TYPE(DOT) BK/BH	24	B020030103B11SV	
2	* SCREW,TAP TITE	HCD60M(HAITAI) +2S 3*17 B-TYPE ZNW/BH	6	B020030171B10SV	
2	* SCREW,TAP TITE	() +2S 3*6(ROUND) BK/BH	1	B020230063B10SV	
2	* SCREW,TAP TITE ASSY	AVR1910BKE3(DENON) +3S 4*10 P+S-	4	B028940101B11SV	
2	A3 CORD ASSY	16A/250V H03VVH2-F 1.73M SP-026A (CORE-CKM=180)EU	1	L068250161710S	
1	* PREPARE ASSY	TX-SR252/WMP(ONKYO)	1	1038HK1509030	
2	* SCREW	HCD3700(HAITAI) +2S 3*8 ZnY WASHER P112	1	1500001456010SV	
2	* HEAT SINK ASSY	TX-SR252/WMB(ONKYO) AL6063 280*80*37	1	2128212168110BV	
3	25 HEAT SINK	VXS323K/SYXE8(PIONEER) AL6063 280*80*37	1	2120212168110S	
3	29 BRACKET	R925 SECC 1.0T/H SINK	3	4010056906010S	
3	* SCREW,TAPPING ASSY	AVR1404(KE3)(DENON) +2S 3*14 P(Φ6)S-WASHER ZNY/HH	15	B018230141H11SV	
3	* SCREW,TAP TITE	KRA4030(K)(KENWOOD) +2S 3*8 B-TYPE ZNW/BH	7	B020030081B10SV	
2	5 PANEL	TX-SR252/WMB ABS(HF380)BK/FRONT	1	3067216641100V	
2	20 PLATE	TX-SR252/WMB(ONKYO) SPT 0.3T /USB	1	4470213216000S	
2	1 WINDOW	TX-SR252/WMB WINDOW DISPLAY PC 1.0T	1	5077213803000SZ	
2	12 BUTTON	TX-SR252/WMB(ONKYO) ABS BK 3KEY A4/TONE	1	5090215621000V	
2	8 BUTTON	TX-SR252/WMB(ONKYO) ABS BK 7KEY A4/SEL	1	5090215631000V	
2	10 BUTTON	TX-SR252/WMB(ONKYO) ABS BK CIRCLE A4/SEL	1	5090215651000V	
2	6 BUTTON	TX-SR252/VXE8(PIONEER) ABS BK STANDBY A4/POWER	1	5090215661000S	
2	7 BUTTON	TX-SR252/WMB(ONKYO) ABS BK 8KEY A4/INP	1	5097215641000V	
2	2 BADGE	TX-SR252/VXE8(PIONEER) PET 0.35T RG-312191 BLACK	1	5630210892000S	
2	* SCREW,TAP TITE	KRA4030(K)(KENWOOD) +2S 3*8 B-TYPE ZNW/BH	21	B020030081B10SV	
2	* CABLE,FLAT CARD 1.0MM	1.0*29*80*B(4/4/8/8)*(0.035*0.65)	1	N711290822480S	
[Semi-conductors]					
3	Q206C Q206FL SEMI,TR/GE PNP 2SB	TR PNP 2SB1560-P (HTP-071 ONLY)	5	J5011560P0000S	
	Q206FR				
3	Q204C Q204FL SEMI,TR/GE NPN 2SC	KTC3964/TO126S-BULK	5	J502396400010S	
	Q204FR				
3	Q204SL				
	Q205C Q205FL SEMI,TR/GE NPN 2SD	TR NPN 2SD2390-P (HTP-071 ONLY)	5	J5032390P0000S	
	Q205FR				
	Q205SL				
[Transformers, Coils]					
2	52 POWER TRANS	TX-SR252/VXS-330(M/P)230V/50,60HZ 85.8*50 SET_VINA	1	8200858500321V	
[Frontend, Units]					
1	U001 P.C.B TOTAL ASSY	TX-SR252/WMP(ONKYO)/MAIN	1	7025HK1509030	
2	MAIN P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/MAIN	1	7028079411010	
2	REGULATOR P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/REGULATOR	1	7028079412010	

2	OPT_COAX	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/OPT_COAX	1	7028079413010	
2	GUIDE_R	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/GUIDE_R	1	7028079415010	
2	GUIDE_L	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/GUIDE_L	1	7028079416010	
2	AMP_GUIDE	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/AMP_GUIDE	1	7028079417010	
1	U002	P.C.B TOTAL ASSY	TX-SR252/WMP(ONKYO)/D_MAIN	1	7025HK1509031	
2	D_MAIN	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/D_MAIN	1	7028079471010	
1	U003	P.C.B TOTAL ASSY	TX-SR252/WMP(ONKYO)/FRONT	1	7025HK1509032	
2	FRONT	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/FRONT	1	7028079421010	
2	HP	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/HP	1	7028079422010	
2	USB	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/USB	1	7028079423010	
2	POWER_KEY	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/POWER_KEY	1	7028079424010	
2	CONNECTOR	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/CONNECTOR	1	7028079425010	
2	TONE_SEL	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/TONE_SEL	1	7028079426010	
1	U004	P.C.B TOTAL ASSY	TX-SR252/WMP(ONKYO)/CPU	1	7025HK1509033	
2	CPU	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/CPU	1	7028079431010	
2	PTC	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/PTC	1	7028079432010	
1	U005	P.C.B TOTAL ASSY	TX-SR252/WMP(ONKYO)/5CH_AMP	1	7025HK1509034	
2	5CH_AMP	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/5CH_AMP	1	7028073661020	
1	U006	P.C.B TOTAL ASSY	TX-SR252/WMP(ONKYO)/ST_BY	1	7025HK1509035	
2	ST_BY	P.C.B SUB ASSY	TX-SR252/WMB(ONKYO)/ST_BY	1	7028079491030	
						It is necessary to order only parent board

TX-SR252(B)WMP

PACKING PROCEDURES PARTS LIST

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Packing]					
1	*	PACKING ASSY	TX-SR252/WMP(ONKYO)	1	1008HK1509030
2	6	BOX,GIFT	TX-SR252/WMP FLEXP BC FLUTE 514*442*231 /A4	1	6007213170020V
2	8	PE,SHEET	Warning 28 Language NITRON 750*1460/SET	1	6327040059000S
2	9	CUSHION,SNOW	TX-SR252/WMP(ONKYO) EPS WH 55 배 LR	1	6230214214000V
2	12	LABEL	TX-SR252/WMP / SERIAL No.	2	5507000020190V
2	16	TAPE	TAPE PACKING W:50(NEW TAPE:4.5kgf)	1.4	1220210772000S
[Accessories]					
2	2	ANTENNA,WIRE	ANT FM NTSC CABLE 1500MM BK1007#22	1	E605010140010S
2	3	ANTENNA,LOOP	ANT AM LOOP STAND-STRIP 9.5UH BK1691#24	1	E601019000010S
2	4	REMOCON	TX-SR252 RC-909R	1	8300909000010S
2	5	BATTERY,DRY	R03 AAA SIZE 1.5V	2	G670001R50243S
2	7	POLY BAG	RD6108(A GROUP) 330*240*0.05 SILK JACK-HOLE	1	6337040062010S
2	10	SHEET	TX-SR252/WMB /SAFETY BROCHURE	1	5227000008790V
2	15	INSTRUCTION MANUAL	TX-SR252WMP En,Es,Fr / QUICK START GUIDE	1	5707000010460V
2	15	INSTRUCTION MANUAL	TX-SR252WMP It,De,Nl / QUICK START GUIDE	1	5707000010540V
2	15	INSTRUCTION MANUAL	TX-SR252WMP Ru,Sw,Fi / QUICK START GUIDE	1	5707000010550V
2	*	TAPE	() 12MM*25M/SCOTCH	1.2	A710000360000S

TX-SR252(B)WMP

PC BOARD PARTS LIST

U001	P.C.B TOTAL ASSY	TX-SR252/WMP(ONKYO)/MAIN			
CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/MAIN	1	7028079411010
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/MAIN-AXIAL	1	7027079411A10
4	*	P.C.B	TX-SR252 247*247 1.6T FR1/MAIN	1	7020079410000S
4	BD601	BEAD,COIL	3580-52RE-AX	1	7610010030000S
4	R20 R21 R22	R,CARBON FILM	10-J,1/5W-52RE-AX	4	C00001006P520S
4	R1260	R,CARBON FILM	1K-J,1/5W-52RE-AX	1	C00001026P520S
4	R463 R468	R,CARBON FILM	10K-J,1/5W-52RE-AX	2	C00001036P520S
4	R299	R,CARBON FILM	220-J,1/5W-52RE-AX	1	C00002216P520S
4	R290 R52	R,CARBON FILM	2.2K-J,1/5W-52RE-AX	2	C00002226P520S
4	R296	R,CARBON FILM	22K-J,1/5W-52RE-AX	1	C00002236P520S
4	R293	R,CARBON FILM	33K-J,1/5W-52RE-AX	1	C0000336P520S
4	R292	R,CARBON FILM	3.6K-J,1/5W-52RE-AX	1	C00003626P520S
4	R294	R,CARBON FILM	4.7K-J,1/5W-52RE-AX	1	C00004726P520S
4	R291	R,CARBON FILM	560K-J,1/5W-52RE-AX	1	C00005646P520S
4	R287	R,CARBON FILM	750-J,1/5W-52RE-AX	1	C00007516P520S
4	D23	D,SWITCHING	1N4007 52REEL 1000V 1A	1	K000400700220S
4	ZD1	D,ZENER	ZJ3.6B-0.5W/5MA-52MM SEMTECH	1	K06003R644522S
4	ZD24 ZD25	D,ZENER	ZJ16B-0.5W/5MA-52MM SEMTECH	2	K06016R044522S
4	J418 JP1 JP10	CN,WIRE 1P	JUMPER (0.6/52MM)	128	L045084006040S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/MAIN-MANUAL	1	7027079411M10
4	CLAMP2	CLAMP	HMX9800(ON)(HAITAI) (W=2.6L=50)/WIRE(SOLDER)	1	4330000120000S
4	R295 R297	R,CEMENT RADIAL FORM	RES CE 0.1-J 5W 14*17 PITCH(10MM)	2	C141R10069010S
4	C101	C,ELECT GE 85C	330UF-M/63V,12.5*20 SY	1	D040331088230S

4	C55 C58	C,ELECT GE 85C	6800UF-M/63V DL,30*40-VNSN SY	2	D040682088010S
4	L1 L2 L3 L4 L5	COIL,FILTER-INDUCTOR	SP-2507 1.0 PI*2UEW TURNS=7T SPRING COIL	5	D330900001330S
4	PACK601	TUNER,FM/AM	KST-MW104MV1-D783 4GANG-MW+50US+RDS EU	1	E903104100783S
4	JACK101	TER,BOARD PUSH 4P	PTB-408SA(III)-03(RD,RD,BK,BK)	1	G594408SA030YS
4	JACK102	TER,BOARD PUSH 6P	PTB-601SA-01(RD,RD,RD,BK,BK,BK)	1	G596601SA010YS
4	JACK403	TER,RCA 1PIN	RCA-107A(BK)	1	G600107A0000YS
4	JACK401	TER,RCA 6PIN	RCA-610A-00-01(RD,RD,RD,WH,WH,WH)	1	G603610A0001YS
4	JACK402	TER,RCA 3PIN	RCA-305AW-14(YL,YL,YL) NI-PLATE	1	G606305AW140YS
4	RLY2 RLY3	RELAY	JZC-42F/012-2HST 24.4*12.8*24.8mm	3	G680060103010S
4	RLY5	RELAY	BC3-12 24V 2A 2회로 2접점 (SMALL SIGNAL)	1	G680240202030S
4	D7	D,RECTIFIER BRIDGE	DIODE BRIDGE D10SB60 600V/10A STRAIGHT TYPE	1	K047100600220S
4	CN1	CN,WIRE	130MM/5P 5264-05=YBNH250-05 UL2651#22 SJ	1	L026131052250S
4	CN8	CN,WIRE	170MM/6P 20010HS-06=YBNH200-06 UL2651#26 SJ	1	L026171062620S
4	CN2	CN,WIRE ASSY	200MM/10P 20010HS-10=YBNH200-10 UL2651#26 SJ	1	L028201102620S
4	CN5	CN,WIRE ASSY	220MM/3P 20010HS-03=YBNH200-03 UL2651#26 SJ	1	L028221030010S
4	CN3	CN,WAFER 2.0MM	SC52137-101A DIP10P STRAIGHT	1	L101521371010S
4	CP1	CN,WAFER 7.92MM	35328-0360, 7.92MM HEADER,VER,3CKT	1	L108353280360S
4	CP15 CP16	CN,WAFER	C125Z1-11 11P BtoB HEADER(MALE) P=1.25MM	2	L109012511140S
4	CP110 CP13	CN,WAFER	C125Z1-15 15P BtoB HEADER(MALE) P=1.25MM	2	L109012511540S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/MAIN-RADIAL	1	7027079411R10
4	GND4	TERMINAL	MET37-0002/TAPIG EARTH FITTING	1	3790040886000S
4	R11 R13 R25 R5	R,METAL FILM 100PPM	10-J,1W-R-REEL	6	C060010065050S
4	R10 R12 R14 R6	R,METAL FILM 100PPM	10-J 2W, R-REEL	5	C060010066050S
4	R588 R589	R,METAL FILM 100PPM	100-J,1W-R-REEL	2	C060010165060S
4	R64	R,METAL FILM 100PPM	22-J,1/4W-R-REEL	1	C060022063050S
4	R28 R29 R30	R,METAL FILM 100PPM	2.2K-J,1W-R-REEL	3	C06002265050S
4	R15 R16	R,METAL FILM 100PPM	330-J,2W-R-REEL	2	C060033166050S
4	R35 R36	R,METAL FILM 100PPM	47K-J,1/4W-R-REEL	2	C060047363050S
4	R66	R,METAL FILM 100PPM	4.7-J,1W-R-REEL	1	C0604R7065050S
4	C104	C,CERAMIC HIK DISC	B100PF-K/500V-5RE CT1-L5S2L5B101KTP	1	D00410107D051S
4	C61 C64	C,FILM POLYESTER	ST-0.1UF-J/100V-5RE PEFAM104J100 PEF TYPE	2	D02010406C060S
4	C65 C66 C67	C,FILM POLYESTER	RED-0.1UF-K/250V-5RE PCMT365	4	D02010407H080S
4	C11 C14 C3 C6	C,FILM POLYESTER	ST-0.022UF-J/100V-5RE	5	D02022306C060S
4	C1 C12 C17 C4	C,FILM POLYESTER	ST-0.047UF-J/100V-5RE	5	D02047306C060S
4	C102 C103	C,ELECT GE 85C	1UF-M/50V,5*11-5RE.SMS SY (Pb Free)	3	D040010087150S
4	C462 C464	C,ELECT GE 85C	10UF-M/16V,5*11-5RE.SHL SY	2	D040100083100S
4	C401 C406	C,ELECT GE 85C	10UF-M/50V,5*11-5RE.SMS SY	20	D040100087070S
4	C98	C,ELECT GE 85C	100UF-M/10V,5*11-5RE.SMS SY	1	D040101082070S
4	C1233	C,ELECT GE 85C	100UF-M/16V,6.3*11-5RE.SMS SY	1	D040101083070S
4	C53	C,ELECT GE 85C	100UF-M/25V,6.3*11-5RE.SMS SY	1	D040101084060S
4	C537 C538	C,ELECT GE 85C	220UF-M/16V,6.3*11-5RE.SHL-SY	2	D040221083110S
4	C1209 C1226	C,ELECT GE 85C	47UF-M/16V,5*11-5RE.SMS SY	2	D040470083080S
4	C296	C,ELECT GE 85C	4.7UF-M/50V,5*11-5RE.SMS SY	1	D0404R7087250S
4	Q17	SEMI,TR/GE PNP 2SA	KSA916Y,0.9W/TO92L-REEL	1	J5000916Y0050S
4	Q129 Q130	SEMI,TR/GE PNP 2SA	KSA992FATA 0.5W TO-92 REEL	3	J5000992FA050S
4	Q132	SEMI,TR/GE NPN 2SC	KTC3198Y,0.6W/TO92-REEL	1	J5023198Y0000S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/MAIN-SMD	1	7027079411S10
4	JP207 JP214	R,CHIP THICK	0-J,1/10W-2012REEL	11	C200000060200S
4	JP146 JP148	R,CHIP THICK	0-J,1/8W-3216REEL	8	C200000061300S
4	C469 J500 J501	R,CHIP THICK	0-J,1/16W-1608REEL	26	C20000006M160S
4	R461 R469	R,CHIP THICK	100-J,1/16W-1608REEL	3	C20001016M160S
4	R462 R466	R,CHIP THICK	1K-J,1/16W-1608REEL	6	C20001026M160S
4	R39 R40 R409	R,CHIP THICK	10K-J,1/16W-1608REEL	23	C20001036M160S
4	R54 R549 R551	R,CHIP THICK	100K-J,1/16W-1608REEL	3	C20001046M160S
4	R69 R70	R,CHIP THICK	12K-J,1/16W-1608REEL	2	C20001236M160S
4	R507 R554	R,CHIP THICK	1.5K-J,1/16W-1608REEL	2	C20001526M160S
4	R564	R,CHIP THICK	2.2K-J,1/16W-1608REEL	1	C20002226M160S
4	R58 R60	R,CHIP THICK	27K-J,1/16W-1608REEL	2	C20002736M160S
4	R521 R530	R,CHIP THICK	330-J,1/16W-1608REEL	6	C20003316M160S
4	R53	R,CHIP THICK	33K-J,1/16W-1608REEL	1	C20003336M160S
4	R515	R,CHIP THICK	3.9K-J,1/16W-1608REEL	1	C20003926M160S
4	R1259 R404	R,CHIP THICK	470-J,1/16W-1608REEL	14	C20004716M160S
4	R539 R540	R,CHIP THICK	4.7K-J,1/16W-1608REEL	2	C20004726M160S
4	R410 R421	R,CHIP THICK	47K-J,1/16W-1608REEL	7	C20004736M160S
4	R477 R478	R,CHIP THICK	470K-J,1/16W-1608REEL	14	C20004746M160S
4	R49 R50 R51	R,CHIP THICK	51K-J,1/16W-1608REEL	3	C20005136M160S
4	R548	R,CHIP THICK	5.6K-J,1/16W-1608REEL	1	C20005626M160S
4	R289	R,CHIP THICK	560K-J,1/16W-1608REEL	1	C20005646M160S
4	R505 R506	R,CHIP THICK	6.8K-J,1/16W-1608REEL	2	C20006826M160S
4	R1257 R1258	R,CHIP THICK	68K-J,1/16W-1608REEL	2	C20006836M160S
4	R1203 R1204	R,CHIP THICK	75-F,1/16W-1608REEL	3	C20007504M160S
4	R557 R571	R,CHIP THICK	91K-J,1/16W-1608REEL	2	C20009136M160S
4	C1206 C407	C,CERAMIC CHIP T.C	COG100PF-J/50V-1608REEL	16	D010101167160S
4	C608 C610	C,CERAMIC CHIP T.C	COG100PF-J/50V-1608REEL GRM1885C1H101JA01D	5	D010101167163S
4	C26 C27 C28	C,CERAMIC CHIP T.C	COG1000PF-J/50V-1608REEL	6	D010102167160S

4	C494 C497	C,CERAMIC CHIP T.C	COG)220PF-J/50V-1608REEL	6	D010221167160S
4	C517 C519	C,CERAMIC CHIP T.C	COG)33PF-J/50V-1608REEL	4	D010330167160S
4	C546 C547	C,CERAMIC CHIP T.C	COG330PF-J/50V-1608REEL	2	D010331167160S
4	C484	C,CERAMIC CHIP T.C	COG)47PF-J/50V-1608REEL	1	D010470167160S
4	C511	C,CERAMIC CHIP T.C	COG 680pF-J 50V-1608REEL	1	D010681167160S
4	C100 C1232	C,CERAMIC CHIP HIK	X7R)0.01UF-K/50V-1608REEL TDK	13	D011103777162S
4	C441 C473	C,CERAMIC CHIP HIK	X7R)0.01UF-K/50V-2012REEL	2	D011103777200S
4	C108 C1204	C,CERAMIC CHIP HIK	X7R)0.1UF-K/50V-1608REEL TDK	15	D011104577162S
4	C1225	C,CERAMIC CHIP HIK	X7R)1UF-K/16V-1608REEL	1	D011105173161S
4	C479 C489 C98	C,CERAMIC CHIP HIK	X7R)2200PF-K/50V-1608REEL	3	D011222777160S
4	C478	C,CERAMIC CHIP HIK	X7R)0.22UF-K/25V-1608REEL TDK	1	D011224774162S
4	C512	C,CERAMIC CHIP HIK	X7R3300PF-K/50V-1608REEL	1	D011332777160S
4	C611L C611R	C,CERAMIC CHIP HIK	X7R)4700PF-K/50V-1608REEL	2	D011472777160S
4	IC1009	IC,ELECT VR	BD3473KS2 SQFP-T80C 8CH-VOL WITH 12 INPUT	1	J084347320010S
4	IC401 IC402	IC,LINEAR OP	UTC4580E SOP8 DUAL OP AMP	3	J121458001010S
4	IC1200	IC,LINEAR-DRIVER	NJM41050VT VIDEO DRIVER SSOP14	1	J127410500010S
4	Q16	SEMI,CHIP TR/PNP 2SA	ISA1530AC1 0.2W/SC-59 ISAHAYA	1	J520015301210S
4	Q419 Q426	SEMI,CHIP TR/PNP 2SA	RT1P141C 0.2W/SC-59 ISAHAYA	2	J520101411210S
4	Q2 Q3 Q4 Q5	SEMI,CHIP TR/PNP 2SA	RT1P237C 0.2W/SC-59 ISAHAYA	4	J520102371210S
4	Q402 Q405	SEMI,CHIP TR/NPN 2SC	INC2001AC1 0.2W/SC-59 ISAHAYA	7	J522020011210S
4	Q10 Q11 Q12	SEMI,CHIP TR/NPN 2SC	RT1N237C 0.2W/SC-59 ISAHAYA	4	J522102371210S
4	Q427	SEMI,CHIP TR/NPN 2SC	RT1N441C 0.2W/SC-59 ISAHAYA	1	J522104411210S
4	Q14 Q15	SEMI,CHIP TR/NPN 2SC	2SC3052 0.15W/SC-59 REEL ISAHAYA	2	J522305200050S
4	Q425 Q428	SEMI,FET/2SN	2SK209-Y(TE85L,F)	2	J544209Y01150S
4	D125 D126	D,SWITCHING CHIP	LBAS16HT1G FAST SWITCHING SOD-323	24	K005041480230S
4	ZD400 ZD401	D,ZENER CHIP	LUDZS6.8BT1G 0.2W 6.8V SOD-323 LRC	2	K06606R84P430S
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/REGULATOR	1	7028079412010
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/REGULATOR-AXIAL	1	7027079412A10
4	D10 D11 D12	D,SWITCHING	1N4007 52REEL 1000V 1A	4	K000400700220S
4	J10 J11 J12 J13	CN,WIRE 1P	JUMPER (0.6/52MM)	18	L045084006040S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/REGULATOR-MANUAL	1	7027079412M10
4	C85	C,ELECT GE 85C	1000UF-M/25V(SHL),10*20L-L.BLK SY	1	D040102084060S
4	C292	C,ELECT GE 85C	SHL 1000UF 16V M 18*35 P=7.5MM SY	1	D040103083020S
4	C84	C,ELECT GE 85C	4700UF-M/25V(MHA),16*25 P=7.5 L.BLK	1	D040472084240S
4	IC3	IC,LINEAR-REGULATOR	KIA7805AP1,20W-TO220IS MOLD	1	J126780500110S
4	IC1	IC,LINEAR-REGULATOR	KIA7812AP1,20W-TO220IS MOLD	1	J126781200040S
4	IC2	IC,LINEAR-REGULATOR	KIA7912PI,20W-TO220IS MOLD	1	J126791200060S
4	D121	D,RECTIFIER BRIDGE	DIODE BRIDGE D10SB60 600V/10A STRAIGHT TYPE	1	K047710600220S
4	CP112	CN,WIRE ASSY	320MM/6P 5264-06=YBNH250-06 UL2651#22 SJ	1	L028321062250S
4	CP2	CN,WAFFER 2.0MM	SC52137-061A DIP6P STRAIGHT	1	L101521370610S
4	CP3	CN,WAFFER 2.5MM	5267-03A 3P	1	L102526700300S
4	CP113	CN,WAFFER 3.96MM	35313-0360, 3.96MM HEADER,VER,3CKT	1	L104353130360S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/REGULATOR-RADIAL	1	7027079412R10
4	R284 R286 R41	R,METAL FILM 100PPM	0.22-J,1W-R.REEL	4	C060R22065050S
4	C291	C,FILM POLYESTER	ST-0.1UF-J/100V-5RE PEFAM104J100 PEF TYPE	1	D02010406C060S
4	C81	C,FILM POLYESTER	ST-0.047UF-J/100V-5RE	1	D02047306C060S
4	C90	C,ELECT GE 85C	100UF-M/10V,5*11-5RE.SMS SY	1	D040101082070S
4	C88 C89	C,ELECT GE 85C	100UF-M/16V,6.3*11-5RE.SMS SY	2	D040101083070S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/REGULATOR-SMD	1	7027079412S10
4	R71 R72	R,CHIP THICK	1M-J,1/4W-3216REEL	2	C200010563300S
4	R75	R,CHIP THICK	6.8K-J,1/8W-3216REEL	1	C200068261300S
4	C122 C293 C86	C,CERAMIC CHIP HIK	X7R)0.01UF-K/50V-1608REEL TDK	7	D011103777162S
4	D26 D27 D28	D,SCHOTTKY CHIP	RB551V-30TE-17 UMD2 REEL SCHOTTKY BARRIER DIODE	3	K125551300010S
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/OPT_COAX	1	7028079413010
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/OPT_COAX-AXIAL	1	7027079413A10
4	J59 J60 J75	CN,WIRE 1P	JUMPER (0.6/52MM)	3	L045084006040S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/OPT_COAX-MANUAL	1	7027079413M10
4	BKT4	BRACKET	AVR133(HARMAN) BURREING HOLE SPTE 0.8t/SCREW	1	4010210196100S
4	JACK1305	MODULE	BCR-802-M25 25MBPS OPTICAL RECEIVER INTERFACE	1	E100802000250S
4	JACK1306	TER,RCA 1PIN	RCA-107A(BK)	1	G600107A0000YS
4	CN2010	CN,WIRE	50MM/5P 20010HS-05=YBNH200-05 WH1007#26 SJ	1	L026500052620S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/OPT_COAX-RADIAL	1	7027079413R10
4	C63	C,ELECT GE 85C	47UF-M/16V,5*11-5RE.SMS SY	1	D040470083000S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/OPT_COAX-SMD	1	7027079413S10
4	R1457 R1462	R,CHIP THICK	0-J,1/16W-1608REEL	4	C20000006M160S
4	R1455	R,CHIP THICK	100-J,1/16W-1608REEL	1	C20001016M160S
4	R1460	R,CHIP THICK	10K-J,1/16W-1608REEL	1	C20001036M160S
4	R1465	R,CHIP THICK	100K-J,1/16W-1608REEL	1	C20001046M160S
4	R1461	R,CHIP THICK	2.2K-J,1/16W-1608REEL	1	C20002226M160S
4	R1458	R,CHIP THICK	47-J,1/16W-1608REEL	1	C20004706M160S
4	R1456	R,CHIP THICK	75-J,1/16W-1608REEL	1	C20007506M160S
4	C1459	C,CERAMIC CHIP T.C	COG22PF-J/50V-1608REEL	1	D010220167160S
4	C1453	C,CERAMIC CHIP T.C	COG)22PF-J/50V-1608REEL GRM1885C1H220JA01D	1	D010220167163S
4	C1456	C,CERAMIC CHIP T.C	COG330PF-J/50V-1608REEL	1	D010331167160S
4	C1458	C,CERAMIC CHIP T.C	CH)330PF-J/50V-1608REEL GRM1882C1H331JA01D	1	D010331167165S

4	C1452 C1455	C,CERAMIC CHIP HIK	X7R)0.01UF-K/50V-1608REEL TDK	2	D011103777162S
4	C1464 C1465	C,CERAMIC CHIP HIK	X7R)0.1UF-K/50V-1608REEL TDK	2	D011104577162S
4	L1411	COIL,INDUCTOR	LB C2012T4R7M 4.7UH INDUCTOR	1	D3104R7010200S
4	L1412	COIL,CHIP	FI-B1608-222KJT 2.2UH SMD(1608)-REEL	1	D311160802220S
4	L1414	COIL,BEAD	CBW160808U121T 120ohm SMD1608 TYPE	1	D340160811210S
4	L1413	COIL,BEAD	BLM18PG121SN1D 120ohm SMD1608	1	D340160831210S
4	IC2009	IC,LOGIC	SN74AHC04PWR HEX INVERTER TSSOP14P	1	J040740400290S
4	D17	D,SWITCHING CHIP	LBAS16HT1G FAST SWITCHING SOD-323	1	K005041480250S
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/GUIDE_R	1	7028079415010
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/GUIDE_L	1	7028079416010
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/GUIDE_L-MANUAL	1	7027079416M10
4	CLAMP1	CLAMP	HMX9800(ON)(HAITAI) (W=2.6,L=50)/WIRE(SOLDER)	1	4330000120000S
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/AMP_GUIDE	1	7028079417010

U002 P.C.B TOTAL ASSY TX-SR252/WMP(ONKYO)/D_MAIN

	CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/D_MAIN	1	7028079471010	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/D_MAIN-MANUAL	1	7027079471M10	
4	BKT1	BRACKET	AVR133(HARMAN) BURNING HOLE SPTE 0.8/SCREW	1	4010210196100S	
4	XTAL2003	CRYSTAL	4.000MHz HC-49S CL=20PF 30PPM	1	E80004R000990S	
4	XTAL2002	CRYSTAL	24.576MHz HC-49S CL=10PF 25PPM 13MM	1	E80024R576890S	
4	CP2006 CP2008	CN.WAFER 2.0MM	SC52137-051A DIP5P STRAIGHT	2	L101521370510S	
4	CN101	CN.WAFER 2.5MM	TJC14-6A 6P ST	1	L102001400620S	
4	CN204	CN.WAFER	C125Z2-11C 11P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	1	L109012521150S	
4	CN2003	CN.WAFER	C125Z2-15C 15P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	1	L109012521550S	
4	CN201	CN.WAFER	C125Z2-33C 33P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	1	L109012523350S	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/D_MAIN-SMD	1	7027079471S10	
4	*	P.C.B	TX-SR252 257*133 1.2T FR4 4L ARRY(2)/D-MAIN	1	7020079470200S	
4	RA1 RA2	R.NETWORK A-TYPE	22-J*4 1/16W SMD(1005) WA04	2	C180220042100S	
4	JP114 L2025	R.CHIP THICK	0-J,1/10W-2012REEL	4	C200000060200S	
4	JP121 JP122	R.CHIP THICK	0-J,1/8W-3216REEL	35	C200000061300S	
4	R1667 R1673	R.CHIP THICK	0-J,1/16W-1005REEL	40	C20000006M100S	
4	CB2010 CB2014	R.CHIP THICK	0-J,1/16W-1608REEL	19	C20000006M160S	
4	L1618	R.CHIP THICK	10-J,1/10W-2012REEL	1	C200010060200S	
4	R10 R11 R12	R.CHIP THICK	10-J,1/16W-1005REEL	39	C20001006M100S	
4	R1864 R1901	R.CHIP THICK	100-J,1/16W-1005REEL	20	C20001016M100S	
4	R2133	R.CHIP THICK	1K-F,1/16W-1005REEL	1	C20001024M100S	
4	R2294 R2296	R.CHIP THICK	1K-J,1/16W-1005REEL	7	C20001026M101S	
4	R2126 R2127	R.CHIP THICK	10K-F,1/16W-1005REEL	3	C20001034M100S	
4	R1664 R2037	R.CHIP THICK	10K-J,1/16W-1005REEL	20	C20001036M110S	
4	R241 R247	R.CHIP THICK	100K-J,1/16W-1005REEL	3	C20001046M100S	
4	R100	R.CHIP THICK	100K-J,1/16W-1608REEL	1	C20001046M160S	
4	R2138 R2140	R.CHIP THICK	1M-J,1/10W-2012REEL	2	C200010560200S	
4	R2185 R2205	R.CHIP THICK	1M-J,1/16W-1005REEL	4	C20001056M101S	
4	R2154	R.CHIP THICK	12K-F,1/16W-1608REEL	1	C20001234M160S	
4	R1860	R.CHIP THICK	15-J,1/16W-1005REEL	1	C20001506M101S	
4	R2179 R2184	R.CHIP THICK	150-J,1/16W-1005REEL	5	C20001516M100S	
4	R2479	R.CHIP THICK	1.5K-J,1/16W-1005REEL	1	C20001526M101S	
4	R1652 R1654	R.CHIP THICK	1.8K-J,1/16W-1005REEL	2	C20001826M101S	
4	R2323	R.CHIP THICK	200-F,1/16W-1005REEL	1	C20002014M100S	
4	R2134	R.CHIP THICK	20K-F,1/16W-1005REEL	1	C20002034M100S	
4	R99	R.CHIP THICK	200K-F,1/16W-1005REEL	1	C20002044M100S	
4	R197 R198	R.CHIP THICK	22-J,1/16W-1005REEL	21	C20002206M101S	
4	R242	R.CHIP THICK	220K-J,1/16W-1005REEL	1	C20002246M101S	
4	R240	R.CHIP THICK	2.2M-J,1/16W-1005REEL	1	C20002256M101S	
4	R101	R.CHIP THICK	240K-F,1/16W-1005REEL	1	C20002444M100S	
4	R245	R.CHIP THICK	2.7K-J,1/16W-1005REEL	1	C20002726M101S	
4	R243	R.CHIP THICK	27K-J,1/16W-1005REEL	1	C20002736M101S	
4	R2322	R.CHIP THICK	3K-F,1/16W-1005REEL	1	C20003024M101S	
4	R2123 R2131	R.CHIP THICK	33-J,1/16W-1005REEL	11	C20003306M101S	
4	R2129	R.CHIP THICK	3.3K-F,1/16W-1005REEL	1	C20003324M100S	
4	R2130	R.CHIP THICK	390-F,1/16W-1005REEL	1	C20003914M100S	
4	R2186	R.CHIP THICK	390-J,1/16W-1005REEL	1	C20003916M101S	
4	R2249 R2250	R.CHIP THICK	43-J,1/16W-1005REEL	38	C20004306M101S	
4	R2157 R2192	R.CHIP THICK	47-J,1/16W-1005REEL	32	C20004706M101S	
4	R2206	R.CHIP THICK	470-J,1/16W-1005REEL	1	C20004716M101S	
4	R2158 R2159	R.CHIP THICK	4.7K-J,1/16W-1005REEL	12	C20004726M101S	
4	R2128	R.CHIP THICK	47K-F,1/16W-1005REEL	1	C20004734M100S	
4	R111 R1861	R.CHIP THICK	47K-J,1/16W-1005REEL	35	C20004736M101S	
4	R2132	R.CHIP THICK	5.1K-F,1/16W-1005REEL	1	C20005124M101S	
4	R1666 R1668	R.CHIP THICK	56-J,1/16W-1005REEL	2	C20005606M101S	
4	R1669 R2117	R.CHIP THICK	6.8K-J,1/16W-1005REEL	3	C20006826M101S	
4	R244	R.CHIP THICK	820-J,1/16W-1005REEL	1	C20008216M101S	

4	C2134 C2220	C,CERAMIC CHIP T.C	COG)1000PF-J/50V-1005REEL GRM1555C1H102JA01	5	D010102167100S
4	C2101 C2108	C,CERAMIC CHIP T.C	COG)1000PF-J/50V-1608REEL	2	D010102167160S
4	C2091 C2094	C,CERAMIC CHIP T.C	COG)10UF-K/25V-3216REEL GRM31CB31E106KA75L	4	D010106174300S
4	C86 C87	C,CERAMIC CHIP T.C	NPO)13PF-J/50V-1005REEL	2	D010130167100S
4	C2146 C2147	C,CERAMIC CHIP T.C	NPO)14PF-J/50V-1005REEL	2	D010140167100S
4	C2124	C,CERAMIC CHIP T.C	COG) 2200PF-J/50V-1608REEL 0603N222J500LT	1	D010222167160S
4	C2162 C2170	C,CERAMIC CHIP HIK	COG)10PF-D/50V-1005REEL	2	D011100117101S
4	C1 C2081	C,CERAMIC CHIP HIK	COG)10PF-J/50V-1005REEL	13	D011100167101S
4	C172 C182	C,CERAMIC CHIP HIK	COG)100PF-J/50V-1005REEL	7	D011101167101S
4	C158 C2082	C,CERAMIC CHIP HIK	X7R)1000PF-K/50V-1005REEL	29	D011102177100S
4	C102 C134	C,CERAMIC CHIP HIK	X7R)0.01UF-K/25V-1005REEL TDK	27	D011103774102S
4	C2100 C2106	C,CERAMIC CHIP HIK	X7R)0.01UF-K/50V-1608REEL TDK	2	D011103777162S
4	C108 C145	C,CERAMIC CHIP HIK	X7R)0.1UF-K/16V-1005REEL	80	D011104177100S
4	C1603 C2064	C,CERAMIC CHIP HIK	X7R)0.1UF-K/50V-1608REEL TDK	7	D011104577162S
4	C100 C101	C,CERAMIC CHIP HIK	X7R)1UF-K/10V-1005REEL	18	D011105772101S
4	C9453	C,CERAMIC CHIP HIK	X7R)1UF-K/25V-2012REEL	1	D011105774201S
4	C92 C93	C,CERAMIC CHIP HIK	X5R)10UF-K/6.3V-1608REEL	2	D011106571160S
4	C103 C140	C,CERAMIC CHIP HIK	X5R)10UF-K/10V-2012REEL GRM21BR61A106KE19L	12	D011106572200S
4	C2132 C2148	C,CERAMIC CHIP HIK	X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	5	D011106573200S
4	C107	C,CERAMIC CHIP HIK	X7R)220PF-K/50V-1005REEL	1	D011221177101S
4	C2099 C2205	C,CERAMIC CHIP HIK	X7R)2200PF-K/50V-1005REEL	7	D011222177101S
4	C2200	C,CERAMIC CHIP HIK	X5R)0.22UF-K/6.3V-1005REEL	1	D011224771100S
4	C2160	C,CERAMIC CHIP HIK	X7R)0.22UF-K/25V-1608REEL TDK	1	D011224774162S
4	C2110 C2111	C,CERAMIC CHIP HIK	X5R)22UF-K/16V 3216REEL GRM31CR61C226KE15L	4	D011226573303S
4	C98	C,CERAMIC CHIP HIK	X5R)22UF-M/6.3V-2012REEL	1	D011226581200S
4	C95 C99	C,CERAMIC CHIP HIK	COG)33PF-J/50V-1005REEL	2	D011330167101S
4	C2083 C2087	C,CERAMIC CHIP HIK	COG)330PF-J/50V-1005REEL	13	D011331167101S
4	C110 C1701	C,CERAMIC CHIP HIK	X7R)330PF-K/50V-1005REEL	19	D011331177100S
4	C112 C164	C,CERAMIC CHIP HIK	X7R)3300PF-K/50V-1005REEL	2	D011332177101S
4	C149 C168	C,CERAMIC CHIP HIK	X7R)470PF-K/50V-1005REEL	13	D011471177101S
4	C2125 C2156	C,CERAMIC CHIP HIK	X7R)4700PF-K/50V-1005REEL	11	D011472177101S
4	C2024	C,CERAMIC CHIP HIK	X7R)4.7UF-K/10V-1608REEL	1	D011475772161S
4	C2062 C2066	C,CERAMIC CHIP HIK	X7R)4.7UF-K/16V-2012REEL	6	D011475773201S
4	C2102 C2105	C,CERAMIC CHIP HIK	X7R)6800PF-K/50V-1005REEL	2	D011682177101S
4	C2350	C,CERAMIC CHIP HIK	COG)82PF-J/50V-1005REEL	1	D011820167101S
4	C2059	C,ELECT CHIP(GE)	1UF-MVG/50V,4.3*5.1*5.3 REEL (Z8155) SY	1	D050010087200S
4	C2055 C2128	C,ELECT CHIP(GE)	100UF-MVG/6.3V,5.3*5.9*5.3 3REEL (Z8156) SY	10	D050101081650S
4	C2081 C33 C35	C,ELECT CHIP(GE)	100UF-M/16V,6.3*5.3 RV2-16V-101MSU-R ELNA	4	D050101083350S
4	C2173 C2296	C,ELECT CHIP(GE)	22UF-M/16V 5*7 REEL 1CEC-LL220M TOSHIN	2	D050220083230S
4	C2131 C2258	C,ELECT CHIP(GE)	220UF-MVG/6.3V 6.3*5 RV3-6V-221MF55U-R ELNA	2	D050221081220S
4	C9493	C,ELECT CHIP(GE)	4.7UF-M/25V 4*5.4 1EEC-BS4R7M TOSHIN	1	D0504R7084230S
4	L2012 L2014	COIL,INDUCTOR	LB C2012T4R7M 4.7UH INDUCTOR	2	D3104R7010200S
4	L9	COIL,INDUCTOR	DG6045C DD1255AS-1R0N-P3 1UH POWER INDUCTOR	1	D310604590100S
4	L2007 L2008	COIL,INDUCTOR	NRS8040T100MJGJ 10UH 8*8*4 POWER INDUCTOR	2	D310804061001S
4	L2031	COIL,CHIP	DLP11SN121SL2L 120ohm CHIP COMMON MODE CHOKE	1	D311121011210S
4	L11 L13 L14 L15	COIL,CHIP	DLP11SA900HL2L 90ohm CHIP COMMON MODE CHOKE COIL	4	D311121019000S
4	L2013	COIL,CHIP	FI-B1608-222KJT 2.2UH SMD(1608)-REEL	1	D311160802220S
4	L1 L1810 L1817	COIL,BEAD	BK1005 HS121-B 120ohm SMD1005 TYPE	7	D340100561210S
4	L2015 L2020	COIL,BEAD	CBW160808U121T 120ohm SMD1608 TYPE	4	D340160811210S
4	L2 L2021 L2022	COIL,BEAD	BKP2125 HS101-T 100ohm SMD2125 TYPE BEAD FOR	5	D340212561010S
4	XTAL2004	CRYSTAL CHIP	24.000MHz CL=8PF BMC-30 SMD3225 30PPM	1	E80524R000990S
4	X3000	CRYSTAL CHIP	27.000MHz CL=10PF BMC-30 SMD3225 10PPM	1	E80527R000890S
4	IC2018	IC,MEMORY-RAM	W9864G6KH-6 1M*4BANKS*16BIT(64MB) TSOP54	1	J001986466020S
4	IC2019	IC,MEMORY FLASH	W25Q32FVSSIG 32M-BIT SERIAL FLASH SOIC8	1	J005253200060S
4	IC1	IC,MEMORY FLASH	W25X40CLSSIG 4M-BIT SERIAL FLASH SOIC8	1	J005254001010S
4	IC3	IC,CPU MICRO PROCESS	MB9AF156MAPMC-G-JNE2	1	J020901560010S
4	IC1808	IC,LOGIC	TC7WHU04FK-TRB SSOP8-P-0.50A	1	J040704005550S
4	IC1812	IC,LOGIC	TC7SH08FUS1-TLB SSOP5-P-0.65A 2-INPUT AND GATE	1	J040741080360S
4	IC2022	IC,LOGIC	SN74LVC2G157DCTR SSOP8P REEL DATA SELECTOR/MUX	1	J040741570110S
4	IC2014	IC,LOGIC	74LCX257MTC TSSOP-16P QUAD 2-INPUT MULTIPLEXER	1	J040742570040S
4	IC1602	IC,LOGIC	MN864788A HDMI HQFP144P PIONEER SAGUB	1	J040864788022S
4	IC1606	IC,LOGIC-INTERFACE	TPS2051CDBVR 0.5A SOT23 CURRENT LIMIT LOAD SW	1	J046205101010S
4	IC2007 IC2009	IC,LOGIC-D/D CONVER	AP6503 SO-8EP-13	2	J046650300101S
4	IC2016	IC,ANALOG	D808K013DPTP400-K DSP S-PQFP-G176	1	J080320805520S
4	IC2011	IC,ANALOG	AK4588 AUDIO CODEC WITH DIR LQFP80P (Pb Free)	1	J080458800010S
4	IC2	IC,LINEAR POWER	MP2143DJ 3A STEP DOWN SWITCHER T-SOT23-8	1	J122214300010S
4	IC2021	IC,LINEAR-REGULATOR	BA00CC0WFP-E2 TO252-5	1	J126000005510S
4	IC2015	IC,LINEAR-REGULATOR	AZ1117CH-1.8TRG1 SOT-223 1.8V 1A LOW DROPOUT	1	J126111718630S
4	IC2005 IC2006	IC,LINEAR-REGULATOR	S-1170B50UC-OJJ 5.0V SOT-89-5 CMOS VOLT REGULATOR	2	J126117050010S
4	IC2004	IC,LINEAR-REGULATOR	NJM2831F33 3.3V 0.13A LDO WITH ON/OFF SOT-23-5P	1	J126283133010S
4	IC2008	IC,LINEAR-REGULATOR	MM3529A32PRE-SOT89	1	J126352932080S
4	IC9450	IC,LINEAR-REGULATOR	AP7361-12 1.2V SOT89-5 DIODES	1	J126736112010S
4	Q9606 Q9608	SEMI,CHIP TR/NPN 2SC	DTC114YUAT106 0.2W/UMT3-REEL SC-70	4	J522011400020S
4	Q9607 Q9609	SEMI,CHIP TR/NPN 2SC	DTC124EUAT106 0.2W/UMT3-REEL SC-70	4	J522012400010S
4	Q2027 Q2041	SEMI,CHIP TR/NPN 2SC	RT1N141C 0.2W/SC-59 ISAHAYA	2	J522101411210S

4	Q2050 Q2051	SEMI,CHIP TR/NPN 2SC	2SC3052 0.15W/SC-59 REEL ISAHAYA	2	J522305200050S
4	Q2052	SEMI,CHIP TR/NPN 2SD	2SD2114KT146W SMT3 SOT23-REEL	1	J5232114K0010S
4	Q2026 Q2040	SEMI,FET CHIP	FDC608PZ P-CH 2.5V MOSFET SOT6	2	J543680800010S
4	D2067 D2068	D,SWITCHING CHIP	LBAS16HT1G FAST SWITCHING SOD-323	3	K005041480230S
4	D2056 D2057	D,SCHOTTKY CHIP	RB551V-30TE-17 UMD2 REEL SCHOTTKY BARRIER DIODE	2	K125551300010S
4	JA1601 JA9601	CN,WAFER	A0D7ABAR1990 SMT HDMICON R/A W/FLANGE	5	L109100190710S

U003 P.C.B TOTAL ASSY TX-SR252/WMP(ONKYO)/FRONT

	CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/FRONT	1	7028079421010	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/FRONT-AXIAL	1	7027079421A10	
4	*	P.C.B	TX-SR252 330*163 1.6T FR1/FRONT	1	7020079420000S	
4	L702	COIL,FILTER-INDUCTOR	10UH-Q40/24M-R2.3-52RE AL02TB100K	1	D330100120520S	
4	L701	COIL,FILTER-INDUCTOR	100UH-Q40/9M-R12-52RE AL02TB101K	1	D330101120520S	
4	ZD701	D,ZENER	ZJ7.5B-0.5W/5MA-52MM SEMTECH	1	K06007R544522S	
4	JP17 JP18 JP22	CN,WIRE 1P	JUMPER (0.6/52MM)	48	L045084006040S	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/FRONT-MANUAL	1	7027079421M10	
4	*	HOLDER ASSY	VSX523K/CUXESM(PIONEER) SPTE 0.3T/DISPLAY	2	4328211306000	
5	*	TAPE	TESA4970 11*28/FLT HOLDER	1	1220211559000S	
5	*	HOLDER	VSX523K/CUXESM(PIONEER) SPTE 0.3T /DISPLAY	1	4320211306000S	
4	RMC701	MODULE,REMOCON	R34FS9A 38KHZ IR REMOCON MODULE P=2.54MM H=15MM	1	E940349003810S	
4	VEC701	SW,ENCODER	EC12B24T00B7ZZZ	1	G121122400231S	
4	FLT701	DISPLAY,FLT	VFD 29-1224N 110*29 GREEN	1	K530122400010S	
4	CN702	CN,WIRE	80MM/3P 20010HS-03=YBNH200-03 UL2651#26 SJ	1	L026800030110S	
4	CN104	CN,WIRE	90MM/6P YBNH200-06=YBNH200-04/02 UL2651#26 SJ	1	L026900060010S	
4	CN701	CN,WIRE ASSY	220MM/9P 20010HS-09=YBNH200-09 UL2651#26 SJ	1	L028221092620S	
4	CN704A	CN,FPC 1.0MM	1.0-11S-29PW 29P AN DIP TOP CONTACT	1	L130100112950S	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/FRONT-RADIAL	1	7027079421R10	
4	R779 R780	R,METAL FILM 100PPM	2.2-J,1/4W-R-REEL	2	C0602R2063050S	
4	C718 C719	C,FILM POLYESTER	ST-0.047UF-J/100V-5RE	2	D02047306C060S	
4	C717 C720	C,ELECT GE 85C	1UF-M/50V,5*11-5RE.SMS SY (Pb Free)	3	D040010087150S	
4	C728	C,ELECT GE 85C	10UF-M/50V,5*11-5RE.SMS SY	1	D040100087070S	
4	C771	C,ELECT GE 85C	100UF-M/50V,8*11.5-5RE.SMS SY	1	D040101087060S	
4	C731 C736	C,ELECT GE 85C	47UF-M/16V,5*11-5RE.SMS SY	2	D040470083080S	
4	SW701 SW702	SW,TACT	THVV501BAA/KHV-901A 100G 5MM-REEL BK	19	G180501000010S	
4	Q702	SEMI,TR/GE PNP 2SA	KT1A1266GR 0.6W/TO92-REEL	1	J5001266G0050S	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/FRONT-SMD	1	7027079421S10	
4	JP50 JP51 JP52	R,CHIP THICK	0-J,1/10W-2012REEL	24	C200000060201S	
4	JP72 JP73 JP74	R,CHIP THICK	0-J,1/8W-3216REEL	3	C200000061300S	
4	J202 J203 J204	R,CHIP THICK	0-J,1/16W-1608REEL	6	C20000006M160S	
4	R738 R754	R,CHIP THICK	100-J,1/16W-1608REEL	3	C20001016M160S	
4	R757 R771	R,CHIP THICK	1K-J,1/16W-1608REEL	4	C20001026M160S	
4	R749 R750	R,CHIP THICK	10K-J,1/16W-1608REEL	3	C20001036M160S	
4	R737	R,CHIP THICK	15K-J,1/16W-1608REEL	1	C20001536M160S	
4	R758 R772	R,CHIP THICK	2.2K-J,1/16W-1608REEL	3	C20002226M160S	
4	R777	R,CHIP THICK	3.3K-J,1/16W-1608REEL	1	C20003326M160S	
4	R759 R773	R,CHIP THICK	3.9K-J,1/16W-1608REEL	3	C20003926M160S	
4	R739 R740	R,CHIP THICK	470-J,1/16W-1608REEL	3	C20004716M160S	
4	R760 R774	R,CHIP THICK	5.6K-J,1/16W-1608REEL	3	C20005626M160S	
4	R705 R706	R,CHIP THICK	56K-J,1/16W-1608REEL	28	C20005636M160S	
4	R761 R775	R,CHIP THICK	8.2K-J,1/16W-1608REEL	2	C20008226M160S	
4	R735	R,CHIP THICK	82K-J,1/16W-1608REEL	1	C20008236M160S	
4	C716	C,CERAMIC CHIP T.C	COG310PF-J/50V-1608REEL	1	D010100167161S	
4	C733 C734	C,CERAMIC CHIP T.C	COG100PF-J/50V-1608REEL	3	D010101167160S	
4	C745 C755	C,CERAMIC CHIP T.C	COG330PF-J/50V-1608REEL	2	D010331167160S	
4	C903 C922	C,CERAMIC CHIP T.C	COG82PF-J/50V-1608REEL	2	D010820167160S	
4	C739 C743	C,CERAMIC CHIP HK	X7R1000PF-K/50V-1608REEL	5	D011102777160S	
4	C732	C,CERAMIC CHIP HK	X7R0.01UF-K/50V-1608REEL TDK	1	D011103777162S	
4	C727 C756	C,CERAMIC CHIP HK	X7R0.01UF-K/50V-1608REEL	2	D011104577160S	
4	C738 C742	C,CERAMIC CHIP HK	X7R820PF-K/50V-1608REEL	2	D011821777160S	
4	IC701	IC,LINEAR-DRIVER	LD1970 VFD DRIVER CONTROLLER IC LQFP44P	1	J127197044010S	
4	Q703	SEMI,CHIP TR/NPN 2SC	RT1N144C 0.2W/SC-59 ISAHAYA	1	J522101441210S	
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/HP	1	7028079422010	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/HP-AXIAL	1	7027079422A10	
4	JP11	CN,WIRE 1P	JUMPER (0.6/52MM)	1	L045084006040S	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/HP-MANUAL	1	7027079422M10	
4	*	PLATE	TX-SR252/WMB(ONKYO) SPTE 0.3T /HP	1	4470213226000S	
4	JACK701	JACK,D6.5	PHONE (YUQIU) D6.5 9P SILVER PJ-612A-9	1	G402PJ612A09YS	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/HP-RADIAL	1	7027079422R10	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/HP-SMD	1	7027079422S10	
4	R896 R897	R,CHIP THICK	0-J,1/10W-2012REEL	2	C200000060201S	
4	JP113	R,CHIP THICK	0-J,1/8W-3216REEL	1	C200000061300S	
4	R899	R,CHIP THICK	0-J,1/16W-1608REEL	1	C20000006M160S	

4	R895	R,CHIP THICK	100-J,1/16W-1608REEL	1	C20001016M160S
4	C748	C,CERAMIC CHIP T.C	COG6PF-D/50V-1608REEL	1	D010060117160S
4	C749 C750	C,CERAMIC CHIP T.C	X7R 0.022UF-K/50V-1608REEL	2	D010223777160S
4	C926 C927	C,CERAMIC CHIP T.C	COG82PF-J/50V-1608REEL	3	D010820167160S
4	C747	C,CERAMIC CHIP HIK	X7R)0.1UF-K/50V-1608REEL TDK	1	D011104577162S
4	D705 D706	D,SWITCHING CHIP	LBAS16HT1G FAST SWITCHING SOD-323	2	K005041480230S
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/USB	1	7028079423010
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/USB-AXIAL	1	7027079423A10
4	JP14	CN,WIRE 1P	JUMPER (0.6/52MM)	1	L045084006040S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/USB-MANUAL	1	7027079423M10
4	JACK3000	CN,PLUG CONTACT	USB A F 180 DIP L=15.0	1	G480040000180S
4	CN2006	CN,WIRE ASSY	320MM/5P 20010HS-05=YBNH200-05 RD2725#24 SH SJ	1	L028321050070S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/USB-RADIAL	1	7027079423R10
4	C3006	C,ELECT GE 85C	220UF-M/6.3V,5*11-5RE-SHL SY	1	D040221081060S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/USB-SMD	1	7027079423S10
4	R3000 R3001	R,CHIP THICK	0-J,1/16W-1608REEL	2	C20000006M160S
4	C3004 C3008	C,CERAMIC CHIP T.C	COG100PF-J/50V-1608REEL	2	D010101167160S
4	C3003	C,CERAMIC CHIP HIK	X7R)1000PF-K/50V-1608REEL	1	D011102777160S
4	C3002	C,CERAMIC CHIP HIK	X7R)0.01UF-K/50V-1608REEL TDK	1	D011103777162S
4	C3001	C,CERAMIC CHIP HIK	X7R)0.1UF-K/50V-1608REEL	1	D011104577160S
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/POWER_KEY	1	7028079424010
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/POWER_KEY-AXIAL	1	7027079424A10
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/POWER_KEY-MANUAL	1	7027079424M10
4	CP702A	CN,WAFER 2.0MM	SC52136-031A DIP3P RIGHT ANGLE	1	L101521360320S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/POWER_KEY-RADIAL	1	7027079424R10
4	SW715	SW,TACT	THV501BAA/KHV-901A 100G 5MM-REEL BK	1	G180501000010S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/POWER_KEY-SMD	1	7027079424S10
4	C758	C,CERAMIC CHIP HIK	X7R)0.01UF-K/50V-1608REEL TDK	1	D011103777162S
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/CONNECTOR	1	7028079425010
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/CONNECTOR-AXIAL	1	7027079425A10
4	JP10 JP115	CN,WIRE 1P	JUMPER (0.6/52MM)	6	L045084006040S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/CONNECTOR-MANUAL	1	7027079425M10
4	BKT100	BRACKET	AVR3300(E3)(DENON) SPTE 0.8/SCREW	1	4010210196000S
4	BKT101	BRACKET	AVR133(HARMAN) BURNING HOLE SPTE 0.8/SCREW	1	4010210196100S
4	CN109	CN,WAFER	C125Z1-15 15P BtoB HEADER(MALE) P=1.25MM	1	L109012511540S
4	CN110	CN,WAFER	C125Z2-15C 15P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	1	L109012521550S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/CONNECTOR-RADIAL	1	7027079425R10
4	C251C C251FL	C,ELECT GE 85C	10UF-M/50V,5*11-5RE.SMS SY	8	D040100087070S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/CONNECTOR-SMD	1	7027079425S10
4	R840 R846	R,CHIP THICK	0-J,1/16W-1608REEL	2	C20000006M160S
4	R802 R804	R,CHIP THICK	1K-J,1/16W-1608REEL	6	C20001026M160S
4	R800 R801	R,CHIP THICK	470K-J,1/16W-1608REEL	8	C20004746M160S
4	C250C C250FL	C,CERAMIC CHIP T.C	COG10PF-D/50V-1608REEL	6	D010100117160S
4	C932 C933	C,CERAMIC CHIP T.C	COG82PF-J/50V-1608REEL	6	D010820167160S
4	C252C C252FL	C,CERAMIC CHIP HIK	X7R)2200PF-K/50V-1608REEL	6	D011222777160S
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/TONE_SEL	1	7028079426010
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/TONE_SEL-AXIAL	1	7027079426A10
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/TONE_SEL-MANUAL	1	7027079426M10
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/TONE_SEL-RADIAL	1	7027079426R10
4	SW721 SW722 SW723	SW,TACT	THV501BAA/KHV-901A 100G 5MM-REEL BK	3	G180501000010S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/TONE_SEL-SMD	1	7027079426S10
4	R789	R,CHIP THICK	2.2K-J,1/16W-1608REEL	1	C20002226M160S
4	R790	R,CHIP THICK	3.9K-J,1/16W-1608REEL	1	C20003926M160S
4	R791	R,CHIP THICK	5.6K-J,1/16W-1608REEL	1	C20005626M160S

U004 P.C.B TOTAL ASSY TX-SR252/WMP(ONKYO)/CPU

	CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/CPU	1	7028079431010	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/CPU-AXIAL	1	7027079431A10	
4	*	P.C.B	TX-SR252 247*247 1.6T FR1 ARRAY(2)/CPU	1	7020079430000S	
4	JP10 JP100	CN,WIRE 1P	JUMPER (0.6/52MM)	157	L045084006040S	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/CPU-MANUAL	1	7027079431M10	
4	BKT202	BRACKET	AVR3300(E3)(DENON) SPTE 0.8/SCREW	1	4010210196000S	
4	BKT201 BKT203	BRACKET	AVR133(HARMAN) BURNING HOLE SPTE 0.8/SCREW	2	4010210196100S	
4	X201	CRYSTAL	16.000MHz HC-49S CL=12PF 25PPM 13MM	1	E80016R000890S	
4	CN204	CN,WIRE	120MM/3P 20010HS-03=YBNH200-03 UL2651#26 SJ	1	L026121032620S	
4	CN203A	CN,WAFER	C125Z1-11 11P BtoB HEADER(MALE) P=1.25MM	1	L109012511140S	
4	CN201	CN,WAFER	C125Z1-33 33P BtoB HEADER(MALE) P=1.25MM	1	L109012513340S	
4	CN208 CN209A	CN,WAFER	C125Z2-11C 11P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	2	L109012521150S	
4	CN211	CN,WAFER	C125Z2-15C 15P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	1	L109012521550S	
4	FPC201 FPC203	CN,FPC 1.0MM	1.0-11S-10PW 10P AN DIP TOP CONTACT	2	L130100111050S	
4	CN704B	CN,FPC 1.0MM	1.0-11S-29PW 29P AN DIP TOP CONTACT	1	L130100112950S	

3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/CPU-RADIAL	1	7027079431R10	
4	GND2	TERMINAL	MET37-0002/TAPIG EARTH FITTING	1	3790040886000S	
4	R2446	R,METAL FILM 100PPM	150-J,1W-R-REEL	1	C060015165050S	
4	C218	C,ELECT GE 85C	10UF-M50V,5*11-5RE.SMS SY	1	D040100087070S	
4	C217	C,ELECT GE 85C	100UF-M16V,5*11-5RE.SHL SY	1	D040101083090S	
4	C227	C,ELECT GE 85C	2.2UF-M50V,5*11-5RE SMS SY (Pb Free)	1	D0402R2087160S	
4	C226	C,ELECT GE 85C	47UF-M16V,5*11-5RE.SMS SY	1	D040470083080S	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/CPU-SMD	1	7027079431S10	
4	J332 J333 R309	R,CHIP THICK	0-J,1/10W-2012REEL	4	C20000060200S	
4	J254 J255 J287	R,CHIP THICK	0-J,1/8W-3216REEL	14	C20000061300S	
4	C345 C379	R,CHIP THICK	0-J,1/16W-1608REEL	27	C2000006M160S	
4	R297	R,CHIP THICK	10-J,1/16W-1608REEL	1	C20001006M160S	
4	R201 R202	R,CHIP THICK	100-J,1/16W-1608REEL	19	C20001016M160S	
4	R1406 R261	R,CHIP THICK	1K-J,1/16W-1608REEL	5	C20001026M160S	
4	C112 R207	R,CHIP THICK	10K-J,1/16W-1608REEL	18	C20001036M160S	
4	R258 R272	R,CHIP THICK	100K-J,1/16W-1608REEL	3	C20001046M160S	
4	R259	R,CHIP THICK	1M-J,1/16W-1608REEL	1	C20001056M160S	
4	R289	R,CHIP THICK	120K-J,1/16W-1608REEL	1	C20001246M160S	
4	R331	R,CHIP THICK	18K-J,1/16W-1608REEL	1	C20001836M160S	
4	R334	R,CHIP THICK	20K-J,1/16W-1608REEL	1	C20002036M160S	
4	R211 R223	R,CHIP THICK	22-J,1/16W-1608REEL	30	C20002206M160S	
4	R284	R,CHIP THICK	330-J,1/16W-1608REEL	1	C20003316M160S	
4	R243 R333	R,CHIP THICK	3.3K-J,1/16W-1608REEL	2	C20003326M160S	
4	R219	R,CHIP THICK	36K-J,1/16W-1608REEL	1	C20003636M160S	
4	R288	R,CHIP THICK	390-J,1/16W-1608REEL	1	C20003916M160S	
4	R214 R244	R,CHIP THICK	47-J,1/16W-1608REEL	6	C20004706M160S	
4	R256 R257	R,CHIP THICK	4.7K-J,1/16W-1608REEL	4	C20004726M160S	
4	R213 R215	R,CHIP THICK	47K-J,1/16W-1608REEL	18	C20004736M160S	
4	R286 R287	R,CHIP THICK	470K-J,1/16W-1608REEL	2	C20004746M160S	
4	C241	R,CHIP THICK	680K-J,1/16W-1608REEL	1	C20006846M160S	
4	C249	C,CERAMIC CHIP T.C	COG10PF-D/50V-1608REEL	1	D010100117160S	
4	C222	C,CERAMIC CHIP T.C	COG100PF-J/50V-1608REEL	1	D010101167160S	
4	C216	C,CERAMIC CHIP T.C	COG1000PF-J/50V-1608REEL	1	D010102167160S	
4	C244 C245	C,CERAMIC CHIP T.C	COG16PF-J/50V-1608REEL	2	D010160167161S	
4	C214	C,CERAMIC CHIP T.C	COG330PF-J/50V-1608REEL	1	D010331167160S	
4	C253 C254	C,CERAMIC CHIP T.C	COG82PF-J/50V-1608REEL	2	D010820167160S	
4	C221 C246	C,CERAMIC CHIP HIK	X7R1000PF-K/50V-1608REEL	6	D011102777160S	
4	C202 C210	C,CERAMIC CHIP HIK	X7R0.01UF-K/50V-1608REEL TDK	15	D011103777162S	
4	C201 C211	C,CERAMIC CHIP HIK	X7R0.1UF-K/50V-1608REEL TDK	8	D011104577162S	
4	IC204	IC,MEMORY-EEPROM	CW24C16DR/CDR 16Kbit 1.8V TO 5.5V SOP8P	1	J000241600190S	
4	IC203	IC,CPU MICRO PROCESS	M3030RFGPPF FLASH(256K,12K)QFP100	1	J020303020040S	
4	Q201 Q216	SEMI,CHIP TR/PNP 2SA	ISA1530AC1 0.2W/SC-59 ISAHAYA	3	J520015301210S	
4	Q202 Q204	SEMI,CHIP TR/NPN 2SC	RT1N237C 0.2W/SC-59 ISAHAYA	2	J522102371210S	
4	Q203 Q206	SEMI,CHIP TR/NPN 2SC	2SC3052 0.15W/SC-59 REEL ISAHAYA	9	J522305200050S	
4	D201 D202	D,SWITCHING CHIP	LBAS16HT1G FAST SWITCHING SOD-323	8	K005041480230S	
4	ZD1004	D,ZENER CHIP	LUDZS3.3BT1G 0.2W 3.3V SOD-323 LRC	1	K06603R34P430S	
4	ZD1005	D,ZENER CHIP	LUDZS18BT1G 0.2W 18V SOD-323 LRC	1	K06618R04P430S	
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/PTC	1	7028079432010	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/PTC-MANUAL	1	7027079432M10	
4	CP5	CN,WAFER 2.0MM	SC52136-031A DIP3P RIGHT ANGLE	1	L101521360320S	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/PTC-RADIAL	1	7027079432R10	
4	GND5	TERMINAL	MET37-0002/TAPIG EARTH FITTING	1	3790040886000S	
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/PTC-SMD	1	7027079432S10	
4	R80 R81	POSISTOR	DHPTF1608 471P 95T SMD PTC THERMISTOR	2	F320471000950S	

U005 P.C.B TOTAL ASSY TX-SR252/WMP(ONKYO)/5CH_AMP

CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
2	*	P.C.B SUB ASSY	TX-SR252/WMP(ONKYO)/5CH_AMP	1	7028073661020
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/5CH_AMP-AXIAL	1	7027073661A20
4	*	P.C.B	VXS323(PIONEER) 330*197 FR1 ARRY(2) 1.6T/AMP	1	7020073660002S
4	R209C R209FL	R,CARBON FILM	1.2K-J,1/5W-52RE-AX	5	C00001226P520S
4	R207C R207FL	R,CARBON FILM	1.5K-J,1/5W-52RE-AX	5	C00001526P520S
4	R229 R230	R,CARBON FILM	15K-J,1/5W-52RE-AX	3	C00001536P520S
4	R201C R201FL	R,CARBON FILM	220-J,1/5W-52RE-AX	5	C00002216P520S
4	R227C R227FL	R,CARBON FILM	2.2K-J,1/5W-52RE-AX	5	C00002226P520S
4	R230C R230FL	R,CARBON FILM	22K-J,1/5W-52RE-AX	5	C00002236P520S
4	R224C R224FL	R,CARBON FILM	27K-J,1/5W-52RE-AX	5	C00002736P520S
4	R214C R214FL	R,CARBON FILM	3K-J,1/5W-52RE-AX	5	C00003026P520S
4	R204C R204FL	R,CARBON FILM	33K-J,1/5W-52RE-AX	10	C00003336P520S
4	R225C R225FL	R,CARBON FILM	330K-J,1/5W-52RE-AX	5	C00003346P520S
4	R210C R210FL	R,CARBON FILM	470-J,1/5W-52RE-AX	5	C00004716P520S
4	R208C R208FL	R,CARBON FILM	47K-J,1/5W-52RE-AX	5	C00004736P520S
4	R205C R205FL	R,CARBON FILM	470K-J,1/5W-52RE-AX	5	C00004746P520S

4	R213C R213FL	R,CARBON FILM	75-J,1/5W-52RE-AX	5	C00007506P520S
4	R203C R203FL	R,CARBON FILM	7.5K-J,1/5W-52RE-AX	5	C00007526P520S
4	R226C R226FL	R,CARBON FILM	75K-J,1/5W-52RE-AX	5	C00007536P520S
4	R212C R212FL	R,CARBON FILM	820-J,1/5W-52RE-AX	5	C00008216P520S
4	C206C C206FL	C,CERAMIC HIK AXIAL	UP025 B102K-B-BZ	5	D005102177531S
4	C211C C211FL	C,CERAMIC HIK AXIAL	UP025 F223Z-B-BZ	5	D005223594521S
4	C202C C202FL	C,CERAMIC HIK AXIAL	UP025 B681K-B-BZ	5	D005681177521S
4	D201C D201FL	D,SWITCHING	1N4148	16	K000414800050S
4	DZ202C	D,ZENER	ZJ4.3B-0.5W/5MA-52MM SEMTECH	10	K06004R344522S
4	J246 J247 J248	CN,WIRE 1P	JUMPER (0.6/52MM)	94	L045084006040S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/5CH_AMP-MANUAL	1	7027073661M20
4	CLP200	CLAMP	HMX9800(ON)(HAI TAI) (W=2.6,L=50)/WIRE(SOLDER)	1	4330000120000S
4	*	SOLDER	PF9944 무연 Sn-0.5Cu(Ni)	0.005159	A740000120020
4	*	SOLDER	SOLDER WIRE(무연) PF04(Sn/Cu 0.7) 1.0	0.000271	A740000330000
4	CN204	CN,WIRE 2MM	90MM/10P 20010HS-10=CKM2002HV-10 WH1007#26	1	L002900102620S
4	CP205	CN.WAFER 2.0MM	20010WS-03A00 DIP3P STRAIGHT	1	L101200100310S
4	CP201	CN.WAFER 2.0MM	20010WS-10A00 DIP10P STRAIGHT	1	L101200101010S
4	CP203	CN.WAFER 2.5MM	5267-05A 5P	1	L102526700500S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/5CH_AMP-RADIAL	1	7027073661R20
4	FG1 FG2 FG3	TERMINAL	MET37-0002/TAPIG EARTH FITTING	3	3790040886000S
4	R228	R,METAL FILM 100PPM	10-J,1W-R-REEL	1	C060010065050S
4	R211C R211FL	R,METAL FILM 100PPM	47-J,1/4W-R-REEL	15	C060047063050S
4	R216C R216FL	R,METAL FILM 100PPM	5.6K-J,1W-R-REEL	10	C060056265050S
4	C204C C204FL	C,CERAMIC T.C DISC	SL33PF-J/500V-5RE CC1-L5N7505B330JTPW	5	D00033006D051S
4	C209C C209FL	C,CERAMIC HIK DISC	B100PF-K/500V-5RE CT1-L5S2L5B101KTP	10	D00410107D051S
4	C201C C201FL	C,ELECT GE 85C	10UF-M/50V,5*11-5RE.SMS SY	11	D040100087070S
4	C212 C217	C,ELECT GE 85C	10UF-M/100V,6.3*11-5RE.SMS SY	3	D04010008C050S
4	C205C C205FL	C,ELECT GE 85C	100UF-M/10V,5*11-5RE.SMS SY	5	D040101082070S
4	C213 C216	C,ELECT GE 85C	330UF-M/6.3V,6.3*11-5RE SMS SY	2	D040331081050S
4	C207C C207FL	C,ELECT GE 85C	47UF-M/50V,6.3*11-5RE.SMS SY (Pb Free)	5	D040470087070S
4	C215	C,ELECT GE 85C	4.7UF-M/50V,5*11-5RE.SMS SY	1	D0404R7087250S
4	Q201C Q201FL	SEMI,TR/GE PNP 2SA	KSA992F,0.5W/T092-REEL	11	J5000992F0050S
4	Q203C Q203FL	SEMI,TR/GE NPN 2SC	KTC3206Y,1W/T092L-REEL	10	J5023206Y0050S
4	R220C R220FL	R,FIXED,M.O.	RSD-R1-2WJ-0.47 3.5*8.6 P=SMM SMALL R-REEL	20	N113136647820S
3	*	P.C.B INS ASSY	TX-SR252/WMP(ONKYO)/5CH_AMP-SMD	1	7027073661S20
4	C223C C223FL	C,CERAMIC CHIP T.C	COG82PF-J/50V-2012REEL	34	D010820167200S
4	C212C C212FL	C,CERAMIC CHIP T.C	COG)82PF-J/100V-2012REEL	15	D01082016C201S
4	C245C C245FL	C,CERAMIC CHIP T.C	COG)820PF-J/100V-1608REEL	5	D01082116C160S

U006 P.C.B TOTAL ASSY TX-SR252/WMP(ONKYO)/ST_BY

CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
2	*	P.C.B SUB ASSY	TX-SR252/WMB(ONKYO)/ST_BY	1	7028079491030
3	*	P.C.B INS ASSY	TX-SR252/WMB(ONKYO)/ST_BY-AXIAL	1	7027079491A30
4	*	P.C.B	TXSR252 197*197 CCP 1.6T FR1 CT1600J ARRY(2)/ST_BY	1	70200794900K0S
4	R333	R,CARBON FILM	3.3K-J,1/5W-52RE-AX	1	C00003326P520S
4	D305 D306	D,SWITCHING	1N4007 52REEL 1000V 1A	4	K000400700220S
4	ZD301	D,ZENER	ZJ5.1B-0.5W/5MA-52MM SEMTECH	1	K06005R144522S
4	ZD303	D,ZENER	ZJ6.2B-0.5W/5MA-52MM SEMTECH	1	K06006R244522S
4	ZD302	D,ZENER	ZJ15B-0.5W/5MA-52MM SEMTECH	1	K06015R044522S
4	J301 J302 J303	CN,WIRE 1P	JUMPER (0.6/52MM)	10	L045084006040S
3	*	P.C.B INS ASSY	TX-SR252/WMB(ONKYO)/ST_BY-MANUAL	1	7027079491M30
4	BKT301	BRACKET	AVR3300(E3)(DENON) SPTE 0.8t/SCREW	1	4010210196000S
4	BKT302 BKT303	BRACKET	VXS523K/CUXESM(PIONEER) BURNING HOLE SPTE	2	4010215796000S
4	PT301	POWER TRANS	TX-SR252/VSX-330(G) 220V/50.60Hz 28*15 SET_VINA	1	8200280150681V
4	C304	C,CERAMIC AC(SAFETY)	SCF2E472M10FF7 0.0047UF 250VAC 7.5MM-REEL	1	D00847208H010S
4	C301	C,ELECT GE 85C	220UF-M/16V,12*16-S.BLK SY	1	D040222083010S
4	RLY301	RELAY	JZC-36FD/005-HLT 23.8*9.5*24.5mm	1	G680060103030S
4	CP701	CN.WAFER 2.0MM	SC52136-091A DIP9P RIGHT ANGLE	1	L101521360920S
4	CP304	CN.WAFER 2.5MM	TJC14-3A 3P ST	1	L102001400320S
4	CP302	CN.WAFER 7.92MM	LWB1143-02P 7.92MM HEADER,VER,2CKT	1	L108011430210S
4	CP301	CN.WAFER 7.92MM	PLUG YW396-03AV 2P	1	L108396030010S
4	F301	FUSE GLASS TUBE 20MM	T3.15A/250V-IVBSUCPCcUR S506	1	N751503151160S
3	*	P.C.B INS ASSY	TX-SR252/WMB(ONKYO)/ST_BY-RADIAL	1	7027079491R30
4	R326	R,METAL FILM 100PPM	56-J,1W-R-REEL	1	C060056065050S
4	C302 C315	C,ELECT GE 85C	1UF-M/50V,5*11-5RE.SMS SY (Pb Free)	2	D040010087150S
4	C303	C,ELECT GE 85C	100UF-M/16V,5*11-5RE.SHL SY	1	D040101083090S
4	F301A F301B	HOLDER,FUSE CLIP	PI5.2-REEL	2	G645000050010S
3	*	P.C.B INS ASSY	TX-SR252/WMB(ONKYO)/ST_BY-SMD	1	7027079491S30
4	R336	R,CHIP THICK	10K-J,1/16W-1608REEL	1	C20001036M160S
4	R334	R,CHIP THICK	20K-J,1/16W-1608REEL	1	C20002036M160S
4	R319	R,CHIP THICK	2.2K-J,1/16W-1608REEL	1	C20002226M160S
4	R318	R,CHIP THICK	47K-J,1/16W-1608REEL	1	C20004736M160S
4	C307	C,CERAMIC CHIP T.C	COG330PF-J/50V-1608REEL	1	D010331167160S

4	C305 C306	C,CERAMIC CHIP HIK	X7R)0.1UF-K/50V-1608REEL	2	D011104577160S
4	IC301	IC,LINEAR-REGULATOR	AZ1117CH-3.3TRG1 SOT-223 3.3V 1A LOW DROPOUT	1	J126111733630S
4	Q302	SEMI,CHIP TR/NPN 2SC	RT1N144C 0.2W/SC-59 ISAHAYA	1	J522101441210S
4	Q301 Q303	SEMI,CHIP TR/NPN 2SC	2SC3052 0.15W/SC-59 REEL ISAHAYA	2	J522305200050S
4	D301 D302	D,SWITCHING CHIP	LBAS16HT1G FAST SWITCHING SOD-323	6	K005041480230S