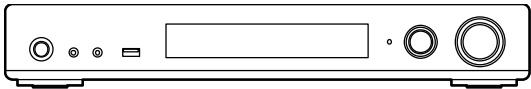


Service Manual



VSX-S520

ORDER NO.
ARP4020

AV RECEIVER

VSX-S520(B) /MUC

VSX-S520 (B),(S) /MUP

VSX-S520D (B),(S),(W) /MUP

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
VSX-S520(B)	MUC	AC 100 V to 240 V	Canada/USA/(Mexico)
VSX-S520(B),(S)	MUP	AC 100 V to 240 V	Europe
VSX-S520D(B),(S),(W)	MUP	AC 100 V to 240 V	Europe



This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.



Note for suffix code

The following is explanation for the suffix code.

F S - S 4 0 (W) M U P

Model No.

Look at the 2 digits of end of serial number on rear panel.

Color

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

Production factory

Malaysia	M
China	C
Japan	U
Others	W

Voltage

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

Speaker System (without AMP.) :

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

Destination

Australia	A	← PP
United Kingdom	B	← GB
North American	C	← UC
USA	D	← UC
Taiwan	F	← TA
Japan	J	← JP
Korea	K	← KA
Russia	L	← ER
Europe	P	← YY
Hong Kong	Q	← HK
China	R	← CN
Brazil	S	← CS
Thai	T	← LE
Worldwide	U	← WL

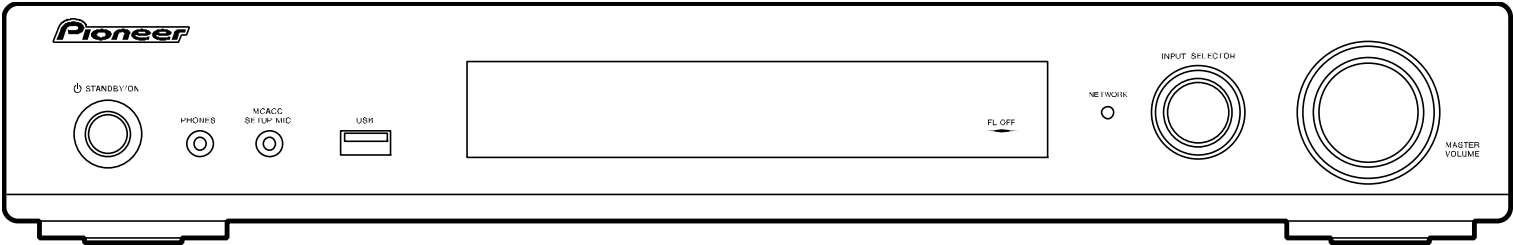
Speaker System (without AMP.) :

Left channel	L
Right channel	R
Center channel	0

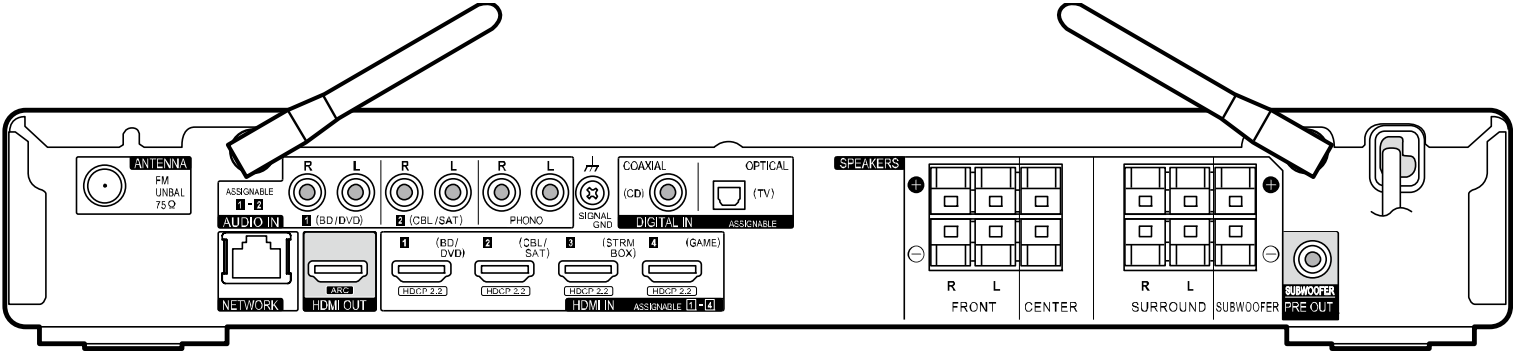
COMMON

VSX-S520

Front Panel

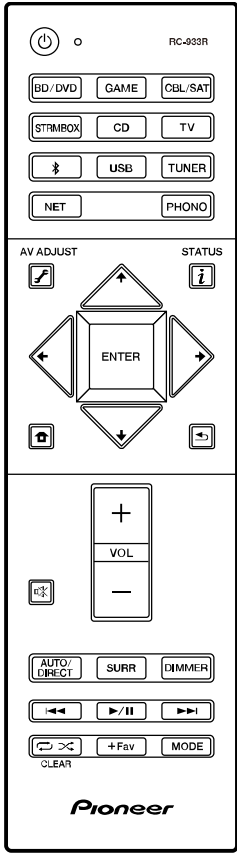


Rear Panel



Panel

Remote Control Unit



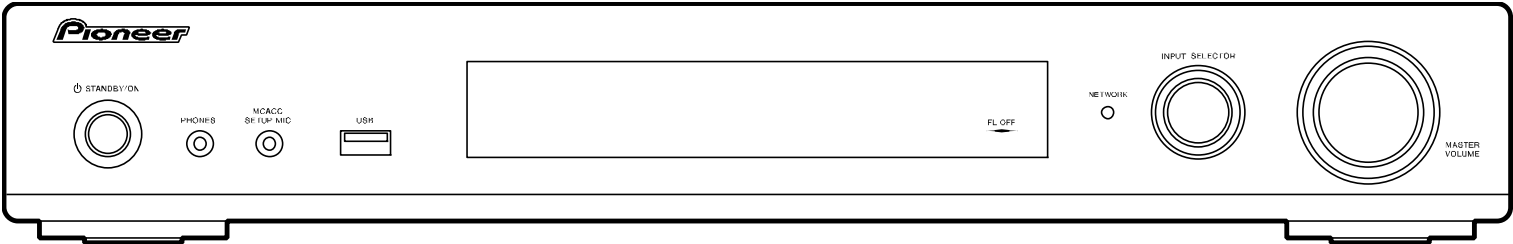
Accessory

- Remote controller (RC-933R) (1)
- Batteries (AAA/R03) (2)
- Speaker setup microphone (1)
- Indoor FM antenna (1)

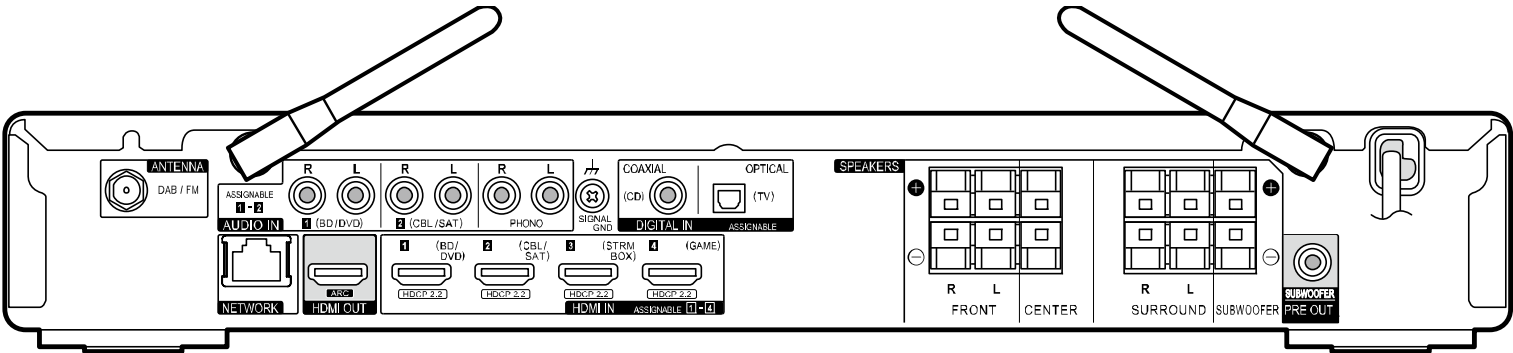
Dimensions (W x H x D) : 435 mm x 70 mm x 325 mm (17-1/8" x 2-3/4" x 12-13/16")
Weight : 4 kg (8.8 lbs)

VSX-S520D

Front Panel

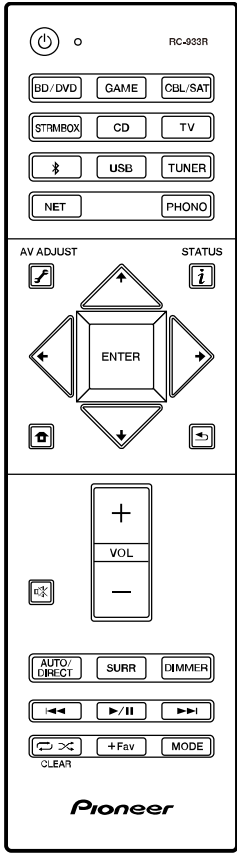


Rear Panel



Panel

Remote Control Unit



Accessory

- Remote controller (RC-933R) (1)
- Batteries (AAA/R03) (2)
- Speaker setup microphone (1)
- DAB/FM antenna (1)

Dimensions (W x H x D) : 435 mm x 70 mm x 325 mm (17-1/8" x 2-3/4" x 12-13/16")
Weight : 4 kg (8.8 lbs)

123456

Reset

Reset

[STORE]

Save user setting data to internal memory

1. Set volume 12
2. Press [HOME Menu] +[MODE] key of remote controller about 3 seconds
3. The device shows Firmware version on the FL display
4. Press remote controller [HOME Menu] +[MODE] key about 3 seconds again
5. The [FL OFF] LED blinked
6. Press [Fav+] key of remote controller
7. The FL display shows [WP0/BP00/P/FRE]
8. Press [>>] key of remote controller
9. The FL display shows [Setup Storing] [Complete]

[RECALL]

Reload User setting data from internal memory

1. Set volume 12
2. Press [HOME Menu] +[MODE] key of remote controller about 3 seconds
3. The device shows Firmware version on the FL display
4. Press remote controller [HOME Menu] +[MODE] key about 3 seconds again
5. The [FL OFF] LED blinked
6. Press [Fav+] key of remote controller
7. The FL display shows [WP0/BP00/P/FRE]
8. Press [|<<] key of remote controller
9. The FL display shows [Setup Recalling] [Complete]
10. Automatically power off

[RESET]

You should save user data to internal memory before reset

1. Power on
2. Press [HOME Menu] key of remote controller
3. Enter [System Setup]
4. Select [Miscellaneous]
5. Select [Load Default]
6. Select [Yes]

Process List

Protection

Item (signal name)	MCU Port			Detection Method	Status of Equipment	Warning Indication	Service information display	Recovery Procedure
	Port#	I/O	Active					
DC Detection (DC_DET)	3	I	Low	Observe with 20 msec interval and Decide by 3 sec continuously low level detection.	Shut down *Operation (except recovery procedure) is disabled.	LED: Blinks FL OFF Display: AMP ERR	DC	[MODE] + [AV Adjust] (long press) by Remote Controller
Over Current Detection Amplifier Over temperature Detection (AMP_FAULT)	118	I	Low	Observe with 20 msec interval and Decide by low level detection.	Shut down	LED: N/A Display: CHECK SP WIRE	OL	POWER ON
Amplifier Power Supply Failure Detection (POFF2)	121	I	Low	Observe with 20 msec interval and Decide by 500 msec continuously low level detection.	Shut down	LED: N/A Display: AMP ERR	BERR	POWER ON

Service information (Detected protection history)

Protection

Purpose

The number of detections for various protection processes are displayed.

*The following all operation are by remote controller.

How to enter to service information mode.

Step1 : [MODE] + [HOME/MENU] (long press while 3 seconds)

Main Firmware Version will appear on the main unit's display.

M1.xx / xxxxxx

The version of main microprocessor.

Step2 : [MODE] + [HOME/MENU]

(long press while 3 seconds during displaying firmware version)

Then "FL OFF" LED is blink.

Step3 : [<<]

DC : * * DERR : * *

Count of each protect

DC : DC Detection

Step4 : [CURSOR UP] or [CURSOR DOWN]

DC : * * DERR : * *

[CURSOR UP]

[CURSOR DOWN]

OL : * * BERR : * *

OL : Over Current Detection
Over temperature Detection

BERR : Amplifier Power
Supply Failure Detection

FAN : * *

COM : * * STMP : * *

How to exit the service information mode.

Step : [STATUS]

Normal Display

How to initialize the data in the service information.

Step : [RETURN]

P r o t e c t D a t a C L R

*Unit will once become standby and then turn on again automatically.

IMPORTANT!!**Back Ground:**

It is totally different from Radio Law at the each country on 5GHz band.
It means it is totally different from enabled Channel of 5GHz band at the each country.
We define the "[Country Code](#)" for 5GHz band.

You must set up the appropriate country code to the product.

Example;**Case1:**

When you use the "P" destination products and bring move to Russia or Israel,
If you did not setup change country code and use in Russia and Israel,
You will be on the illegal Radio Law in Russia and Israel.

Case2;

When you use "C" or "D" destination product bring move to Japan or Taiwan,
If you did not setup change country code and use in Japan and Taiwan,
You will be on the illegal Radio Law in Japan and Taiwan.

Service Parts information:

The default country code is set on "Processing Circuit Board(PRC board)".
You must make sure and set up the "Country Code" when you replace the processing circuit pc board (i.e. BAPRC-2045).
Otherwise You and your customer should be on the illegal Radio Law and

**IT HAS POSSIBILITY TO HAVE A RISK OF
PUNISHMENT FROM EACH COUNTRY GOVERNMENT.**

If you did not make sure country code and no setup code and face any trouble,
We does not have any responsibility.

For setting up the [Country Code](#),

**Please ask the procedure of changing country code
to your distributor or our sales.**

It is no described the procedure of changing [Country Code](#) on this Service Manual

If you have any trouble of unclear procedure for update country code,
Please contact our sales department.

PRC Board Default Value of Country Code

The PRC board is already set default Country Code by the representative destination.
To confirm the default country code, Please refer to the "[How to read PRC Board part number and Default value of Country Code](#)" section.

IMPOTANT!!**Make sure and Setup Country Code**

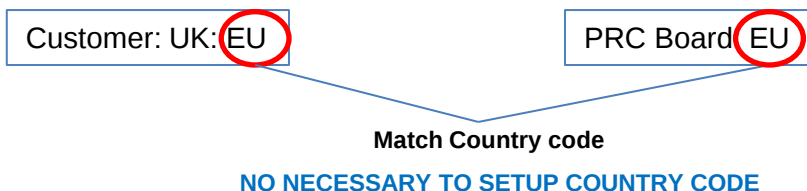
You have to make sure country code for using or replacing "Processing Circuit PC Board".

It means that you have to make sure [country code](#) between using Processing Circuit PC board(PRC Board) and your customer's country code.

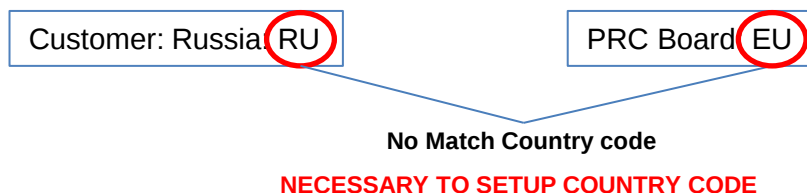
When it is not match PRC board default country code and customer's country, you have to setup [Country Code](#).

Case3;

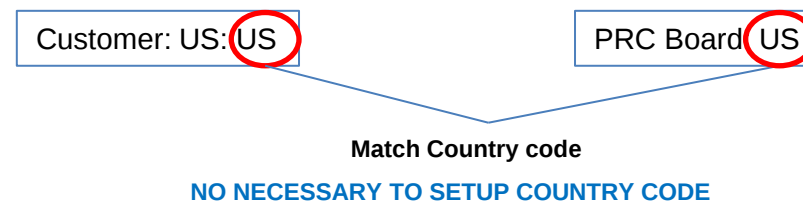
When you repair the "P" destination products and replace "P" destination PRC Board and the customer live in UK, It is no necessary to setup Country Code
Because "P" destination PRC board already setup "EU" country code.

**Case4;**

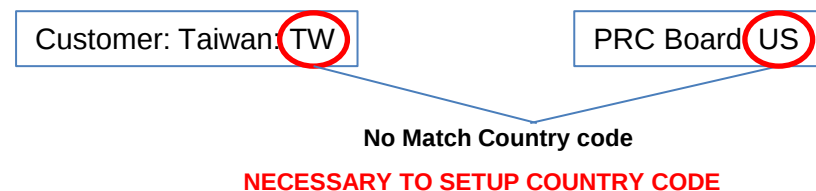
When you repair the "P" destination products and replace "P" destination PRC board and the customer live in Russia, It is necessary to setup Country Code
Because "P" destination PRC Board already setup "EU" country code.
However, the customer's country code is "RU". It means no match PRC Board code and Customer's code.

**Case5;**

When you repair the "C" destination products and replace "C" destination PRC board and the customer live in US, it is no necessary to setup Country Code
Because "C" destination PRC board already setup "US" country code.

**Case6;**

When you repair the "C" destination product and replace "C" destination PRC board and the customer live in Taiwan, It is necessary to setup Country Code.
Because "C" destination PRC Board already setup "US" country code as default.
However, the customer's country code is "TW". It means no match PRC Board code and the customer's country code



Region	Country	Code
America	USA	US
	Canada	US
	Mexico	US
	Brazil	US
	Chile	CL
	Guatemala	US
	Puerto Rico	US
	Trinidad	TT
	Dominican Rep	US
	Argentina	AR
	Ecuador	US
	Paraguay	PY
	Colombia	US
	Guam	US
	Panama	US
	Costa Rica	US
	Uruguay	UY
	Peru	PE

Region	Country	Code
Asia / Oceania	Japan	JP
	China	CN
	Hong Kong	EU
	Korea	KR
	Taiwan	TW
	Singapore	SG
	Malaysia	MY
	Philippines	EU
	Vietnam	EU
	Indonesia	ID
	Sri Lanka	EU
	Australia	AU
	New Zealand	AU
	Thailand	EU
	India	IN
	Pakistan	PK

Region	Country	Code
Middle East	UAE	EU
	Bahrain	BH
	Kuwait	KW
	Oman	EU
	Qatar	QA
	Lebanon	EU
	Jordan	JO
	Saudi Arabia	EU

Region	Country	Code
Europe / Africa	Germany	EU
	UK	EU
	France	EU
	Netherlands	EU
	Italy	EU
	Switzerland	EU
	Denmark	EU
	Sweden	EU
	Austria	EU
	Belgium	EU
	Spain	EU
	Norway	EU
	Finland	EU
	Czech	EU
	Israel	IL
	Ukraine	EU
	Hungary	EU
	Slovakia	EU
	Luxembourg	EU
	Turkey	EU
	Portugal	EU
	Malta	EU
	Latvia	EU
	Poland	EU

Region	Country	Code
Europe / Africa	Cyprus	EU
	Estonia	EU
	Slovenia	EU
	Bulgaria	EU
	Greece	EU
	Romania	EU
	Lithuania	EU
	Serbia	EU
	Croatia	EU
	Ireland	EU
	Macedonia	EU
	Moldova	EU
	Russia	RU
	Andorra	EU
	Armenia	EU
	Azerbaijan	EU
	Belarus	EU
	Bosnia and Herzegovina	EU
	Northern Cyprus(Turkey)	EU
	Georgia	EU
	Iceland	EU
	Kazakhstan	EU

Region	Country	Code
Europe / Africa	Liechtenstein	EU
	Monaco	EU
	Montenegro	EU
	San Marino	EU
	Vatican City	EU
	Kosovo	EU
	Kaliningrad(Russia)	RU
	Gibraltar(UK)	EU
	Canary Islands(Spain)	EU
	Ceuta	EU
	Melilla	EU
	Morocco	MA
	Algeria	EU
	Tunisia	TN
	Egypt	EG
	Mauritius	US
	South Africa	EU

1B5142045-1B520MUC

Board No.

Suffix No.

Model Number Last 3 Digit

- 520 : VSX-S520
- 20D : VSX-S520D
- S30 : SX-S30
- DAB : SX-S30DAB
- 700 : AC-700

Destination

PRC Board Default setting Country Code

Dst	Code	Main Country
C	US	North America
D	US	United State
S	US	Brazil
P	EU	Europe
B	EU	United Kingdom
Q	EU	Hong Kong
T	EU	Thai
L	RU	Russia
A	AU	Australia / New Zealand
R	CN	China
F	TW	Taiwan
K	KR	Korea
J	JP	Japan

You have to use Remote Controller for firmware update
Below procedure, it is operated by remote controller.

- Step1** : [MODE] + [HOMR/MENU] Press 3 seconds (by Remote Controller)
Main Firmware Version will appear on the main unit's display.
- Step2** : [Cursor UP +] (By Remote controller)
NET Firmware Version will appear on the main unit's display.
- Step3** : [Cursor UP +] (By Remote controller)
DSP Firmware Version will appear on the main unit's display.
- Step4** : Cursor UP +] (By Remote controller)
VIDEO Firmware Version will appear on the main unit's display.
- Step5** : [Cursor UP +] (By Remote controller)
OSD Firmware Version will appear on the main unit's display.
- When you press [Cursor Down -] key, you can see previous version of the unit

[Preparation of Update]

1. Connect the USB storage device to your PC. If there is any data in the USB storage device, remove it.
2. Download the firmware file (package file) from the server.
Filename is as follows: PIOSLM1001_*****.zip

Unzip the downloaded file. A following file is created.
PIOSLM1001_*****.of0
PIOSLM1001_*****.of1
PIOSLM1001_*****.of2
PIOSLM1001_*****.of3
PIOSLM1001_*****.of4
3. Copy it to the USB storage device. Be careful not to copy the zip file.
4. Remove the USB storage device from your PC.

How to Update (service mode) 1/2

Firmware

Overwriting is also possible.

1. Connect the USB storage to the USB port on the unit.



2. Turn on the unit. It takes some time to start after you switch on the unit.
Press: [MODE] + [HOMR/MENU] Press 3 seconds (by Remote Controller)
During Display firmware version, [MODE] + [HOMR/MENU] Press 3 seconds during display firmware version again. Then, "FL OFF" LED is blink.
3. Press [RETURN] button on remote controller, Then it is displayed as below



If you need each module of the firmware update, you can select the module by pressing Cursor < and > button on the remote controller.

If you need change source NET or USB, you can select the source by pressing

Cursor UP and Down key on the remote controller

It should be updated firmware by selecting USB -> ALL normally.

Please Do NOT choose T-SRV (it is test server)

USB -> ALL: ALL firmware update (default)

USB -> DSP1: DSP firmware update

USB -> OSD: OSD firmware update

USB -> VMPU: VMPU firmware update

USB -> NET: NET firmware update

USB -> MMPU: Main MPU firmware update

USB -> WORK: Compare between AVR and USB, Only update new version firmware

NET -> ALL: ALL firmware update (default)

NET -> DSP1: DSP firmware update

NET -> OSD: OSD firmware update

NET -> VMPU: VMPU firmware update

NET -> NET: NET firmware update

NET -> MMPU: Main MPU firmware update

NET -> WORK: Compare between AVR and server,

Only update new version firmware by network

The default setting is " ALL "

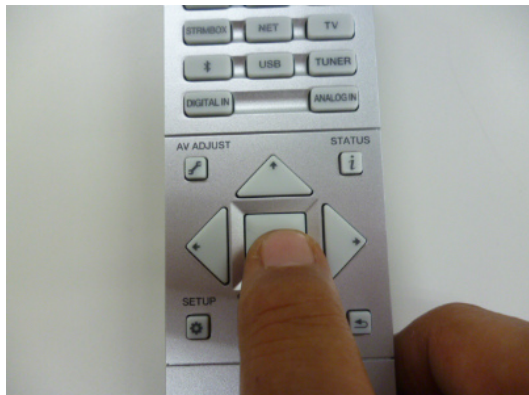


CAUTION: When you will update each module firmware, you have to keep combination of firmware.

How to Update (service mode) 2/2

Firmware

4. Press [ENTER] button. Start update firmware.



5. Wait until update is completed. When the update ends, "Completed!" is displayed. When "Completed!" message appeared, you can power off by pressing "ON/STANDBY" button. (If you leave it, it automatically turns standby mode.)



6. Press [ON/STANDBY] button, and the unit turns on.

7. Check the new FW version number.

<Note>

If the procedure might not be successful, please select "USB -> ALL" again.

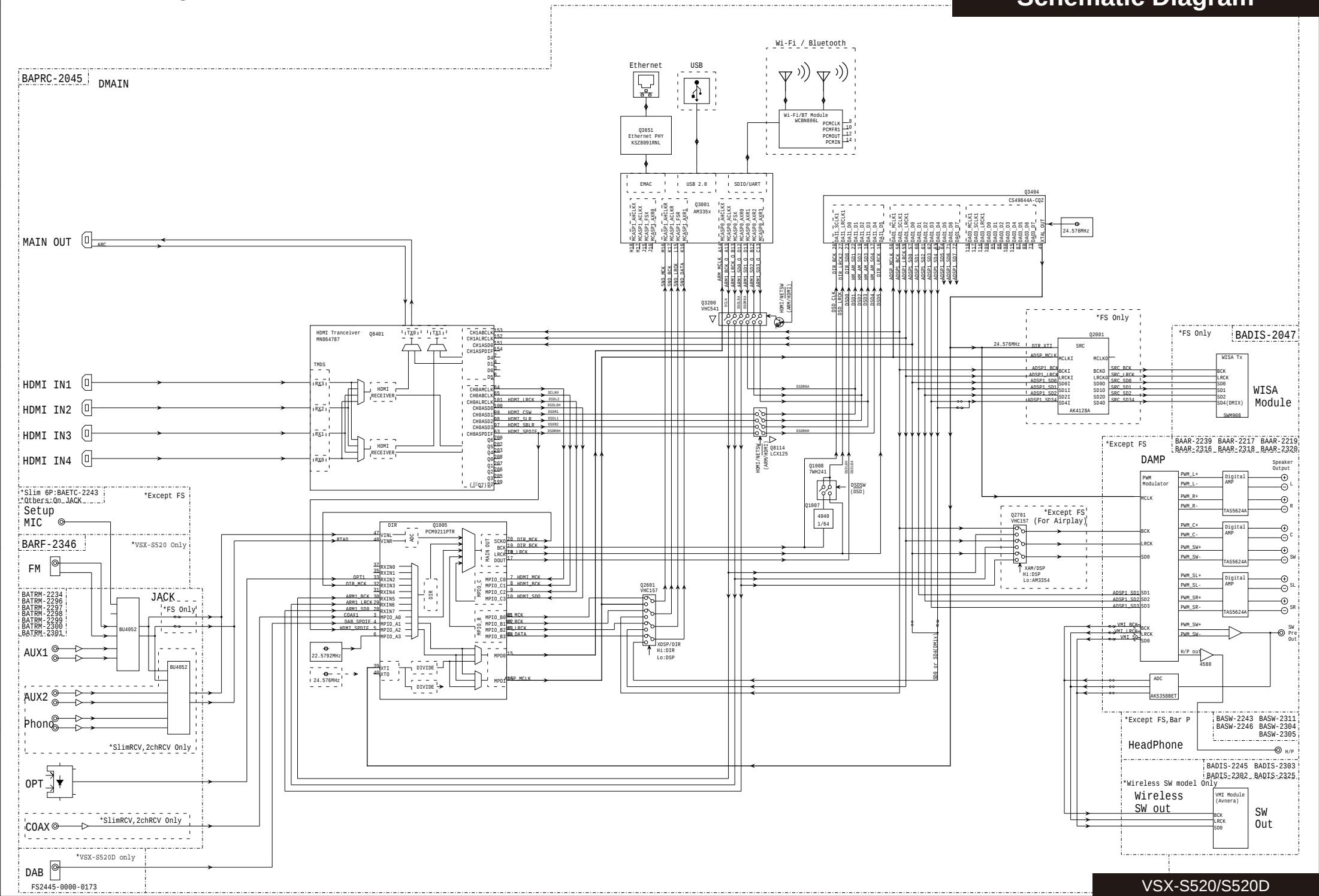
- 1. Send AVR A55F+A508 (Pioneer IR Code for the test mode) with Volume 12
- 2. Press [Dimmer] button on the Onkyo-Brand-Remote
- 3. Press [Up] button on the Onkyo-Brand-Remote 5 times

Model Name	Distination	FL Display													
VSX-S520	DC	S	5	2	0				D	C		2	0	0	0
VSX-S520	xx	S	5	2	0				x	x		2	0	1	0
VSX-S520D	xx	S	5	2	0	D			x	x		2	0	1	1
VSX-S520	JJ	S	5	2	0				J	J		2	0	2	0

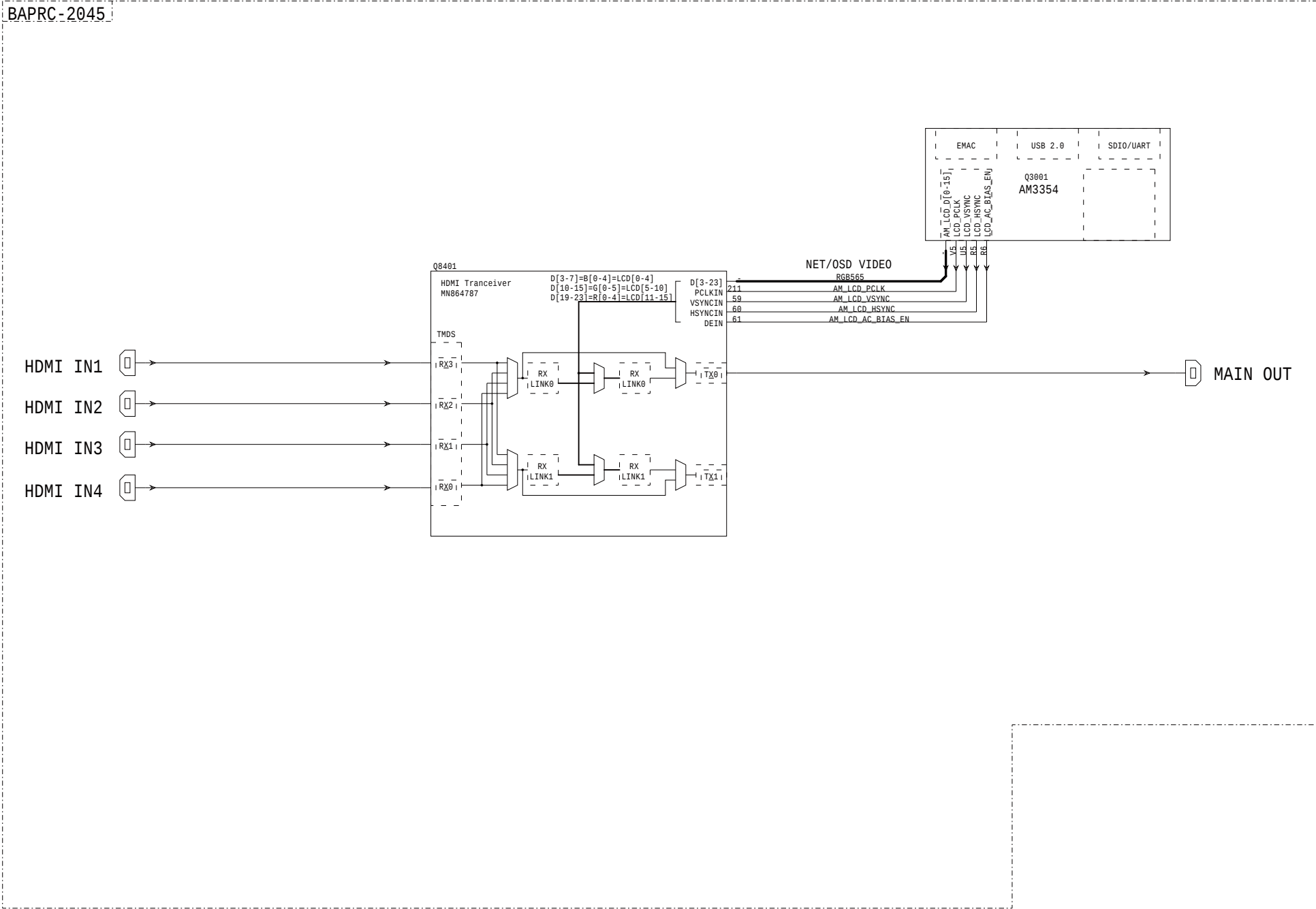
Model Destination

Audio Block Diagram

Schematic Diagram

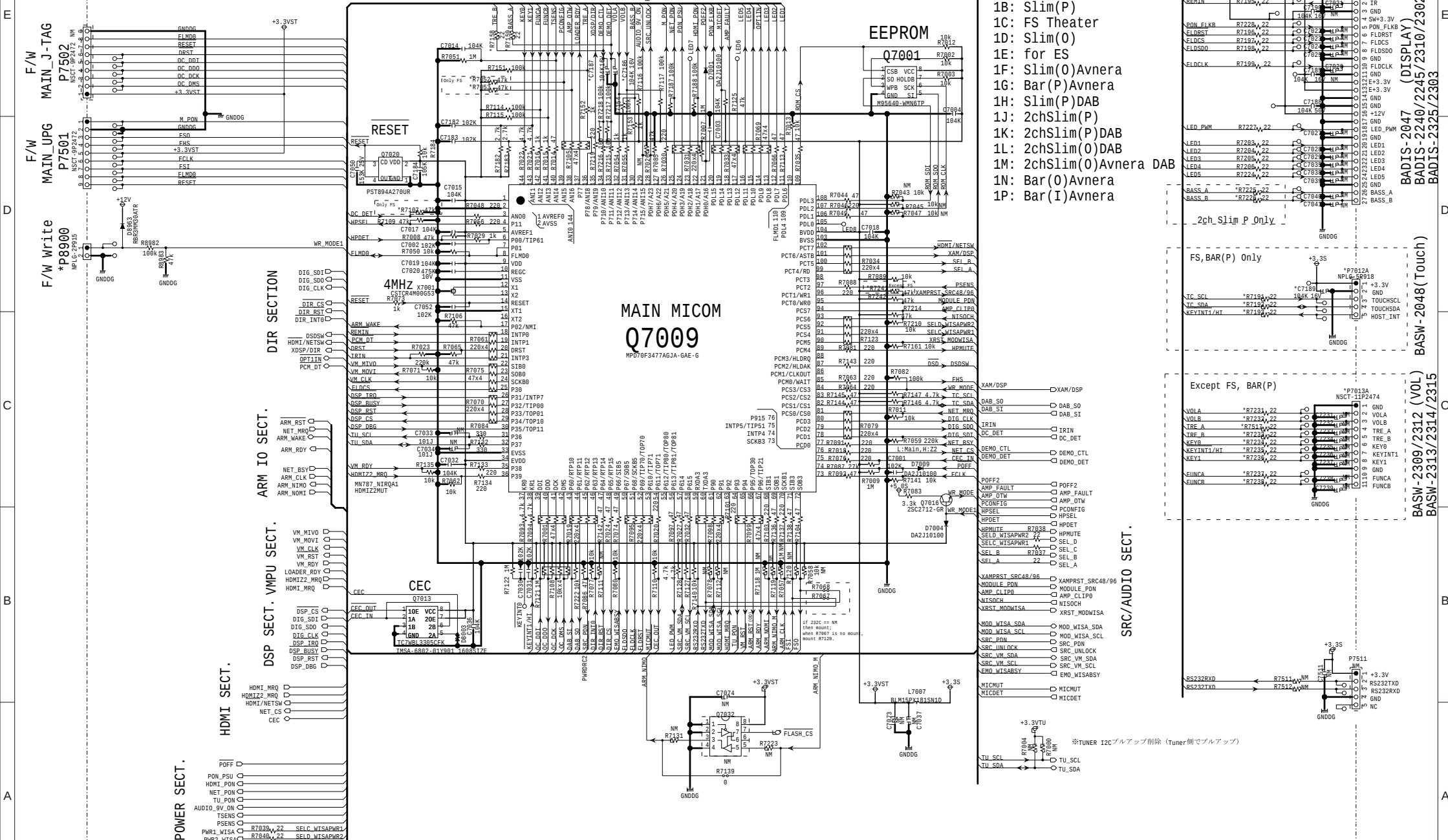


Video Block Diagram



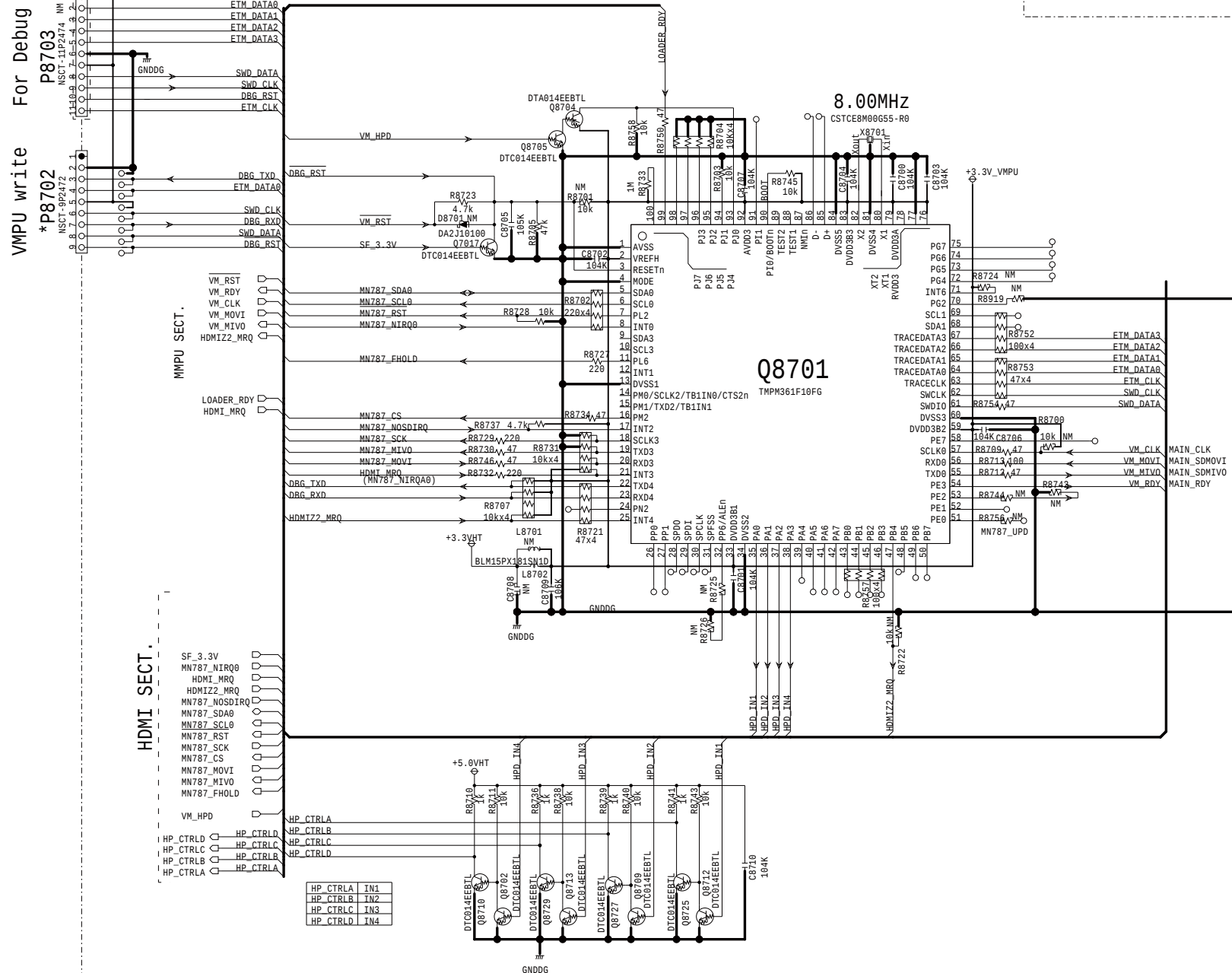
DMAIN(MMPPU)

BAPRC-2045 (1/11)

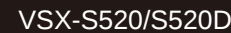


VSX-S520/S520D

BAPRC-2045 (2/11)

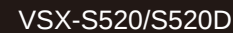


BAPRC-2045 (3/11)

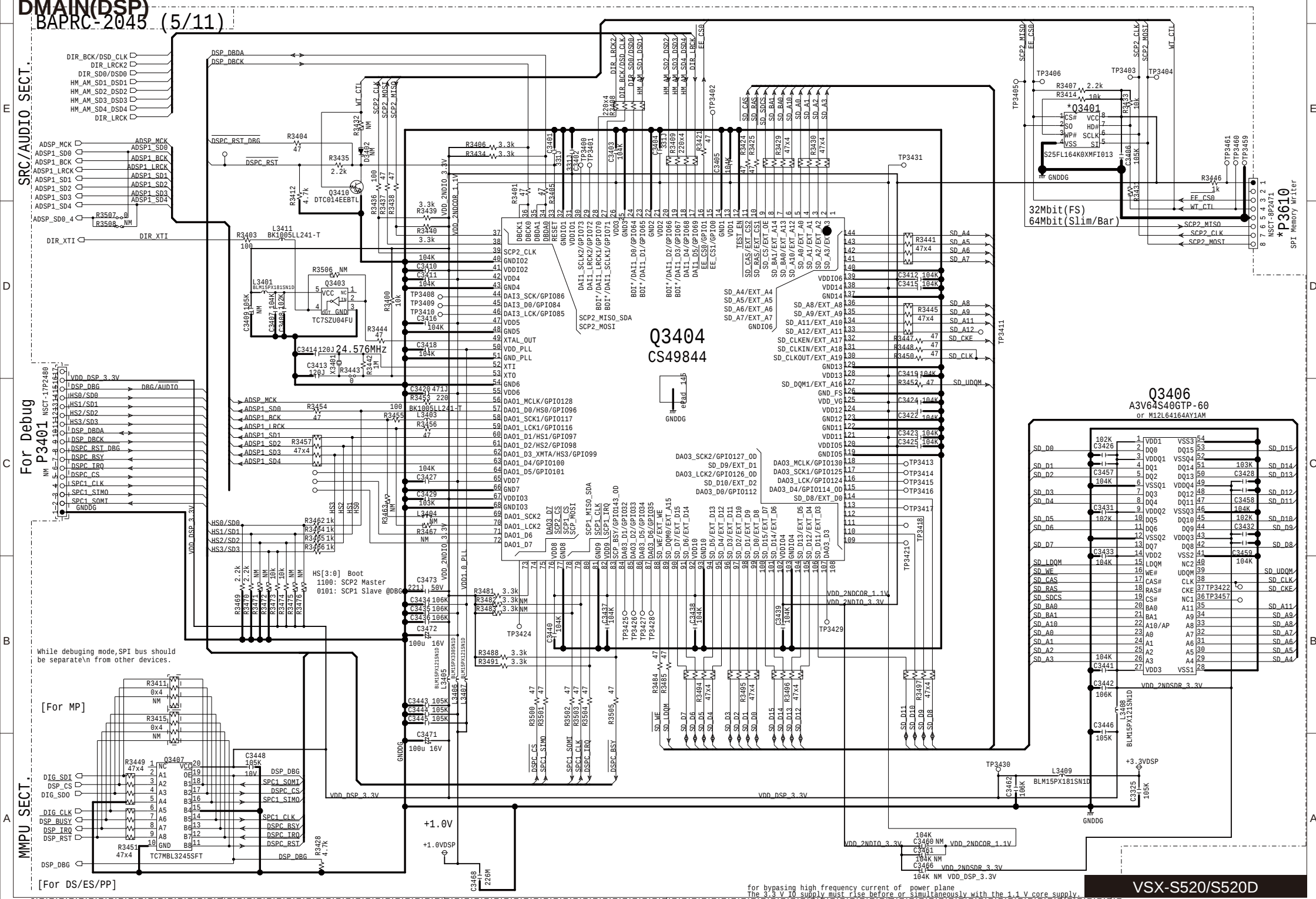


0000-0000-0000-0000

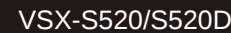
BAPRC-2045 (4/11)



DMAIN(DSP)
BAPRC-2045 (5/11)

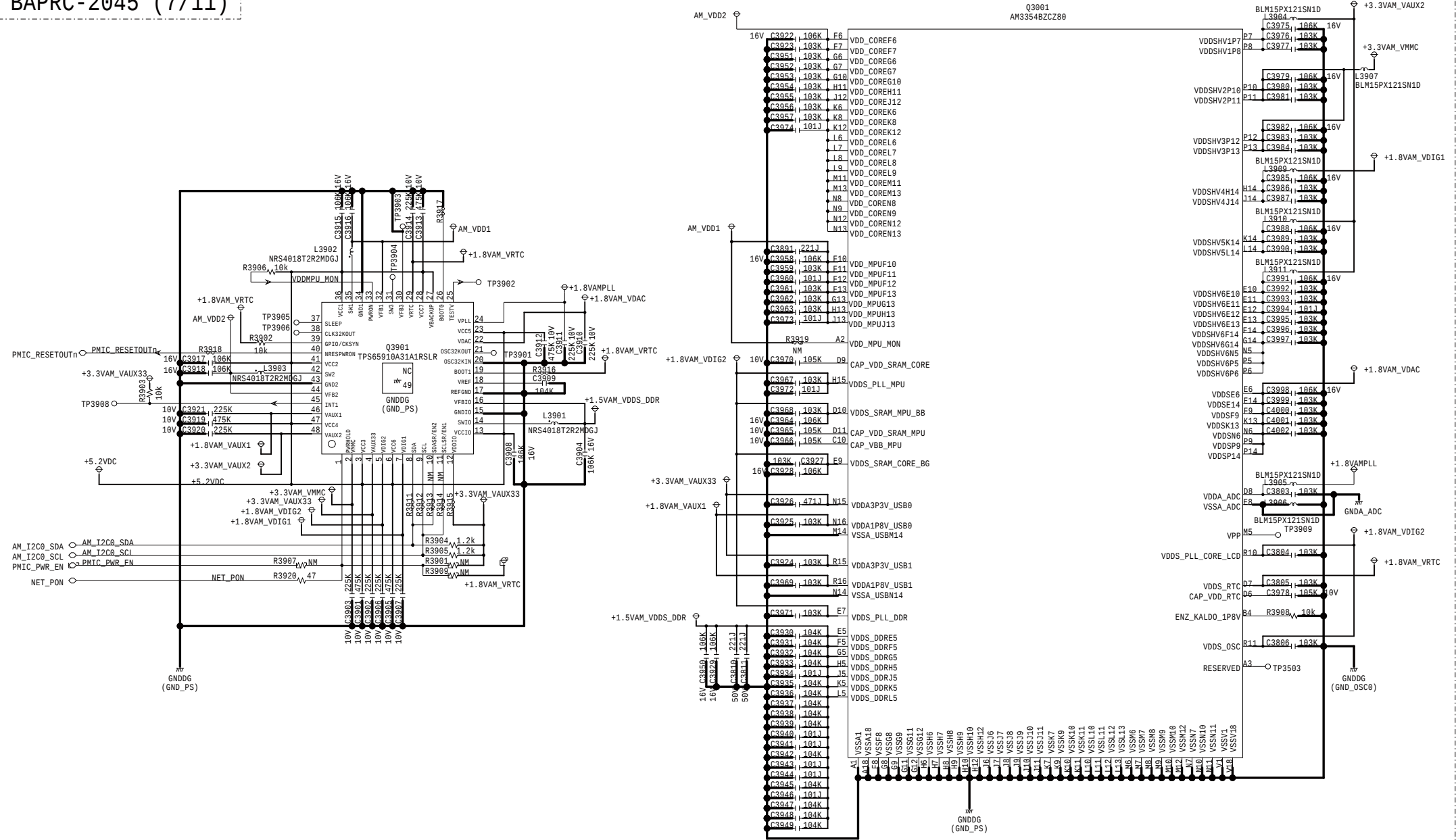


BAPRC-2045 (6/11)



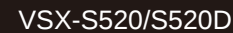
	1
DMAIN(ARM Power)	

BAPRC-2045 (7/11)



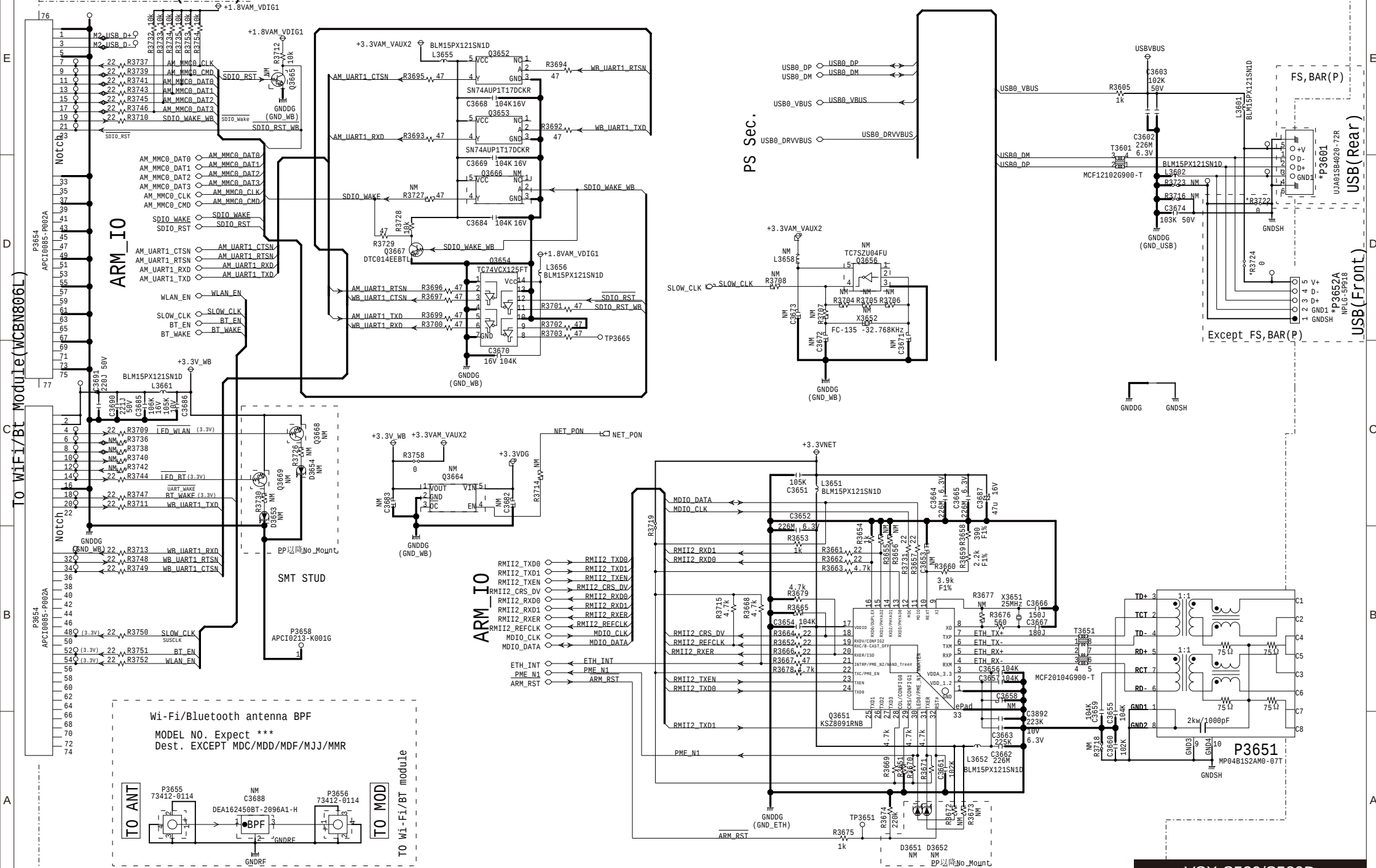
VSX-S520/S520D

BAPRC-2045 (8/11)



	DMAIN(ARM USB/Ether/WiFi)
--	---------------------------

BAPRC-2045 (9/11)



VSX-S520/S520D

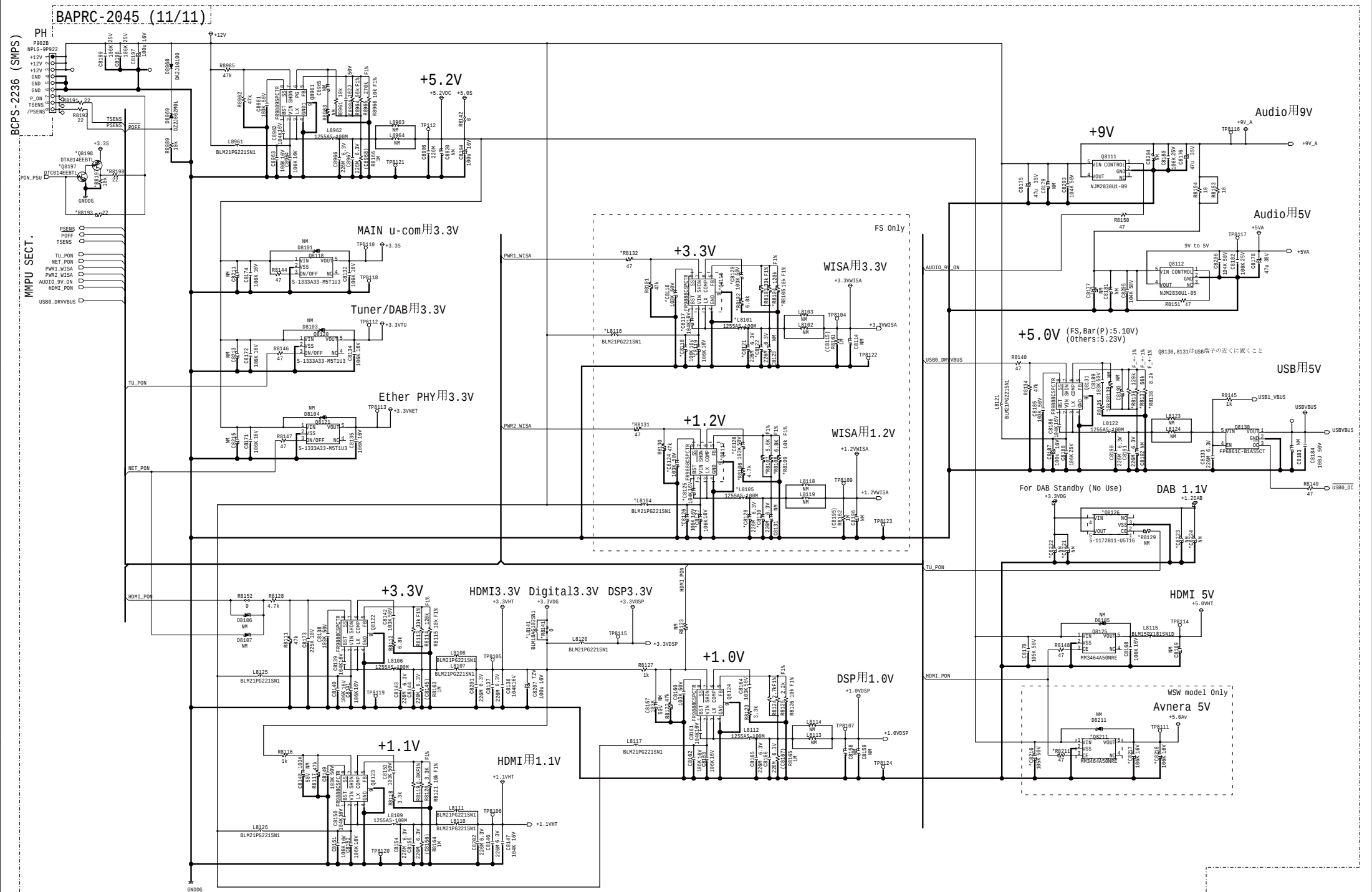
1	2	3	4	5	6
---	---	---	---	---	---

1	2	3	4	5	6
---	---	---	---	---	---

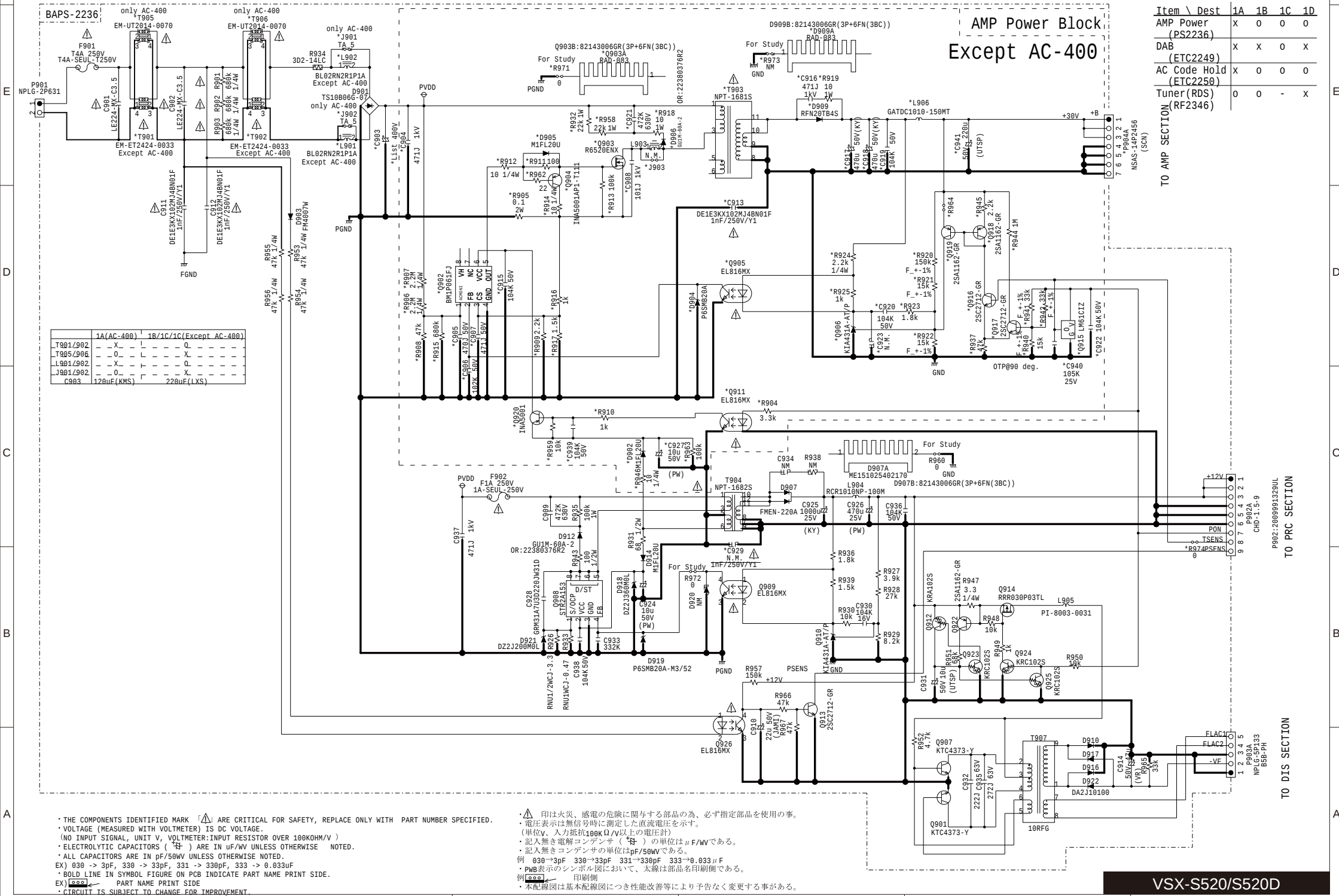


1	2	3	4	5	6
---	---	---	---	---	---

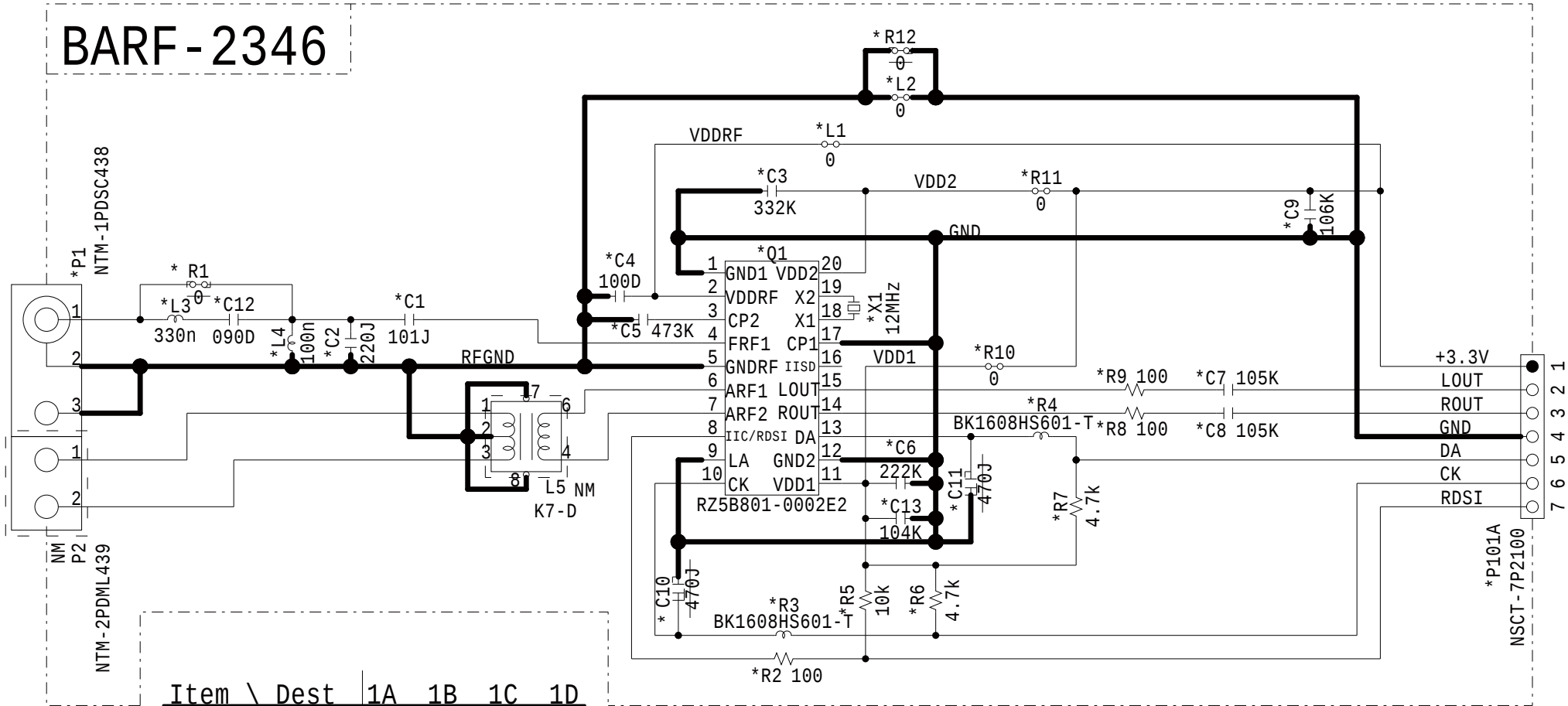
DMAIN(Power)



SMPS



FM Tuner VSX-S520 Only



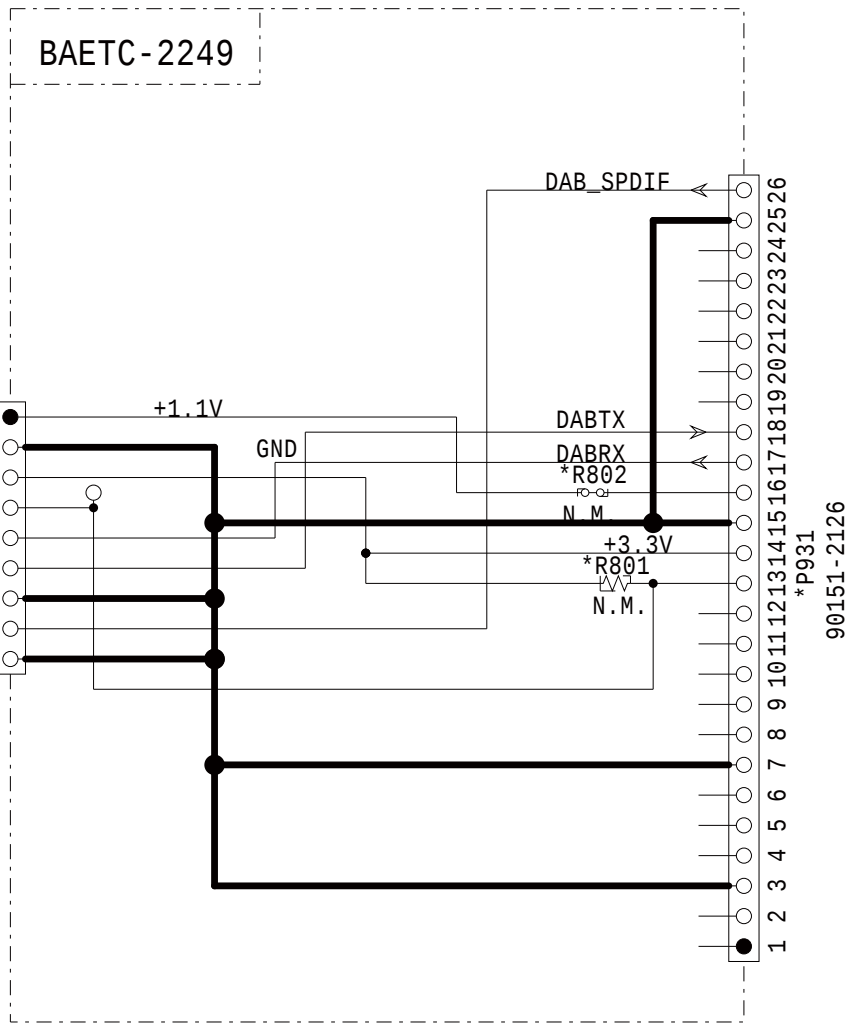
Item \ Dest	1A	1B	1C	1D
AMP Power (PS2236)	X	0	0	0
DAB (ETC2249)	X	X	0	X
AC Code Hold (ETC2250)	X	0	0	0
Tuner(RDS) (RF2346)	0	0	-	X

RDS	P1	Q1
X	NTM-1PDSC437	RZ5B801-0001E2
0	NTM-1PDSC438	RZ5B801-0002E2

DAB-Relay VSX-S520D Only

BAPRC-2045

*P2901B
NSCT-9P2400



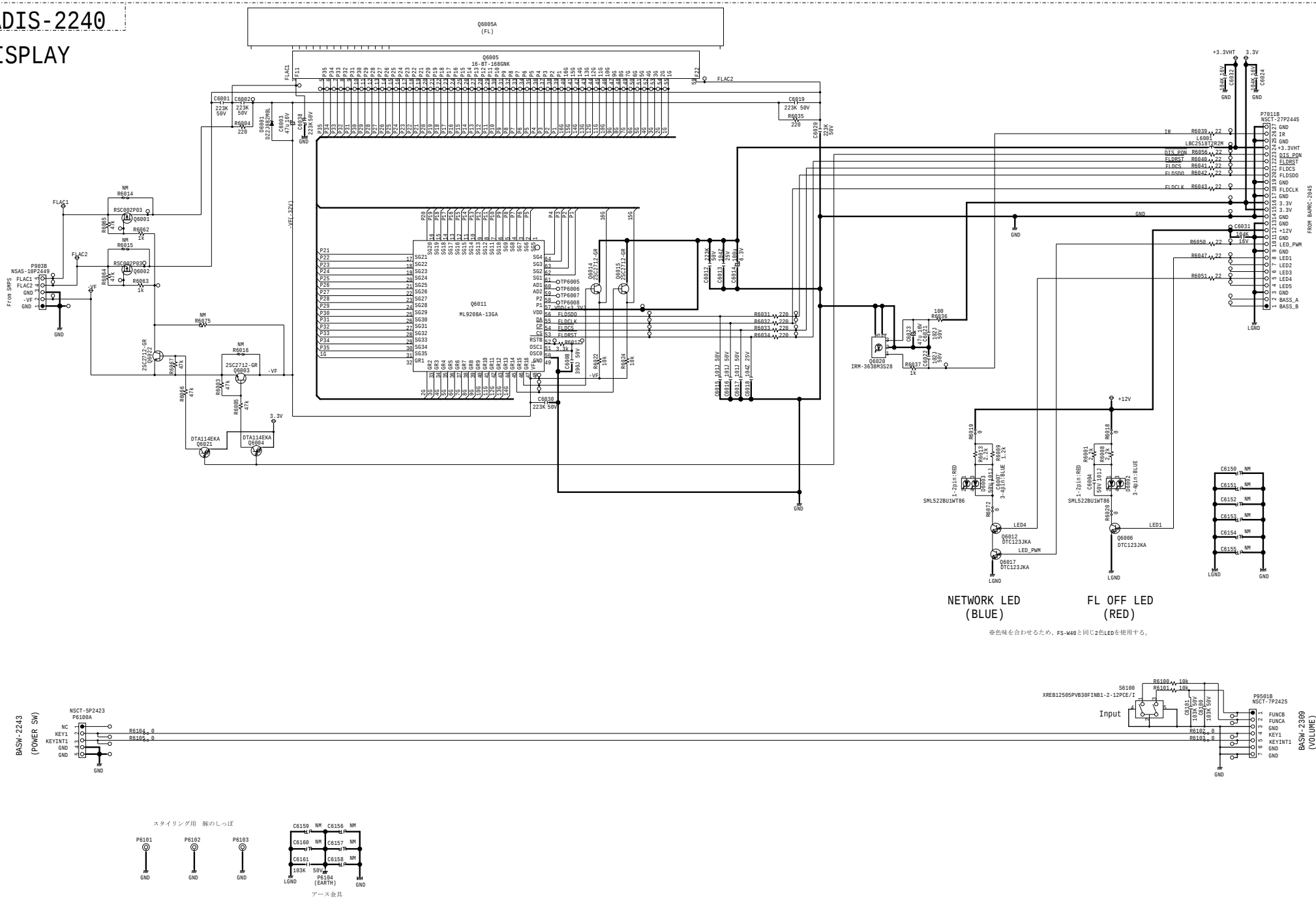
TO DAB Module

Item \ Dest	1A	1B	1C	1D
AMP Power (PS2236)	X	0	0	0
DAB (ETC2249)	X	X	0	X
AC Code Hold (ETC2250)	X	0	0	0
Tuner(RDS) (RF2346)	0	0	-	X

Venice9 14pinがアンテナ側
Verona2 1pinがアンテナ側

Display

BADIS-2240
DISPLAY



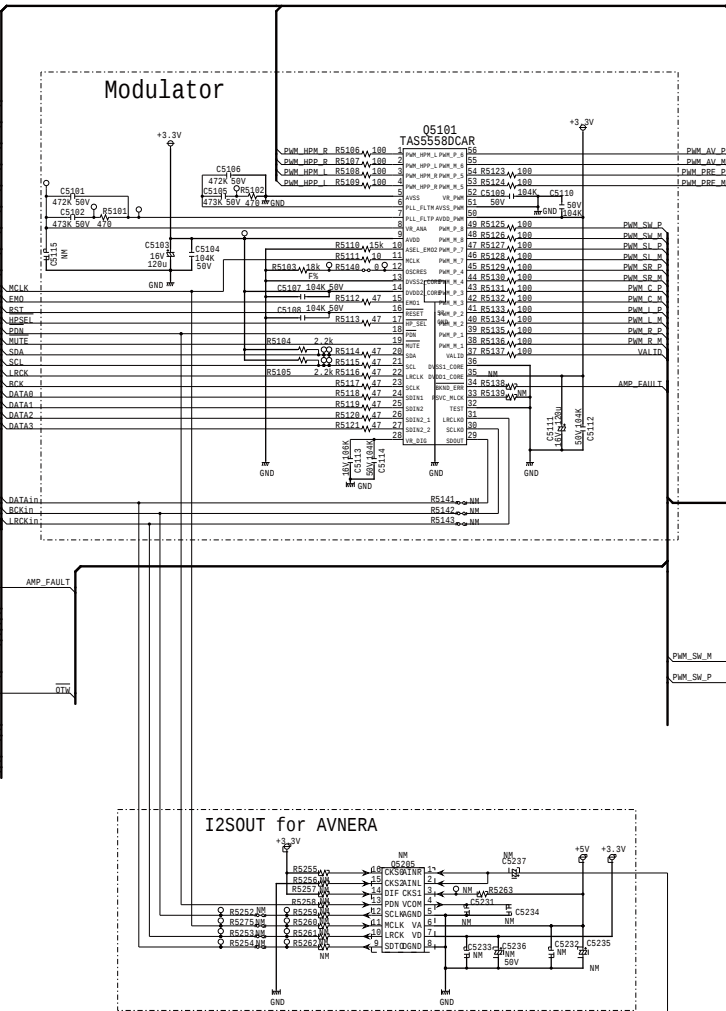
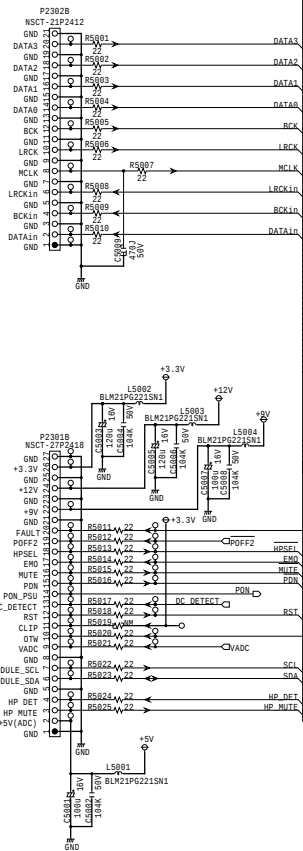
DAMP1
BAAR-2239

BAPRC-2045
(D-MAIN)

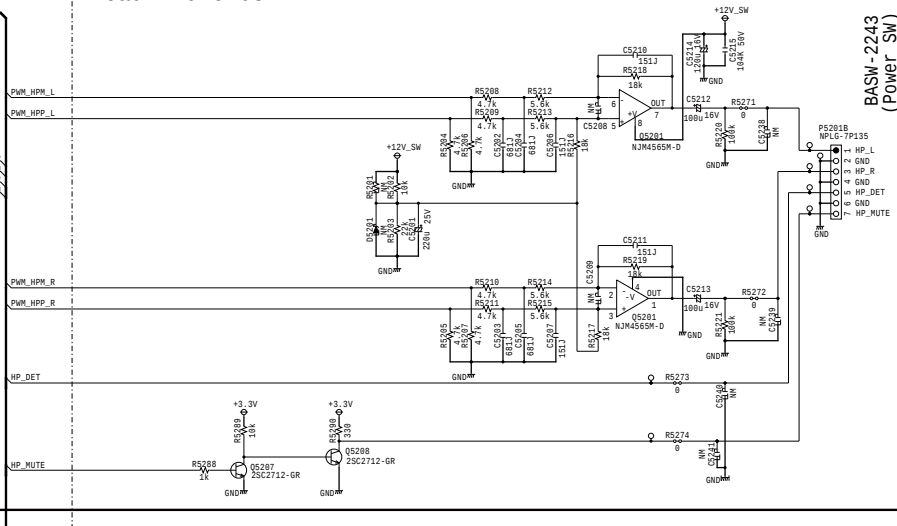
BAPRC-2045
(D-MAIN)

B

A

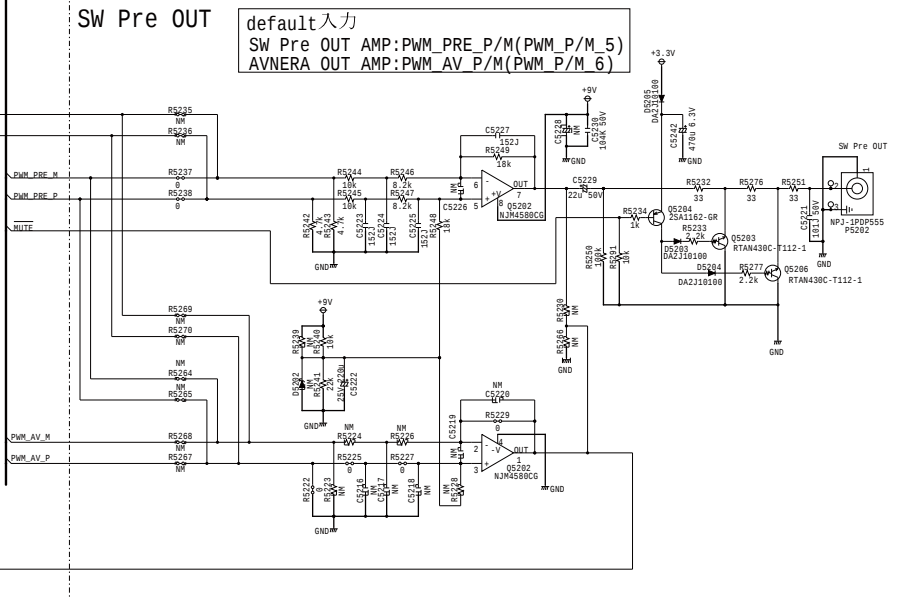


Head Phone OUT

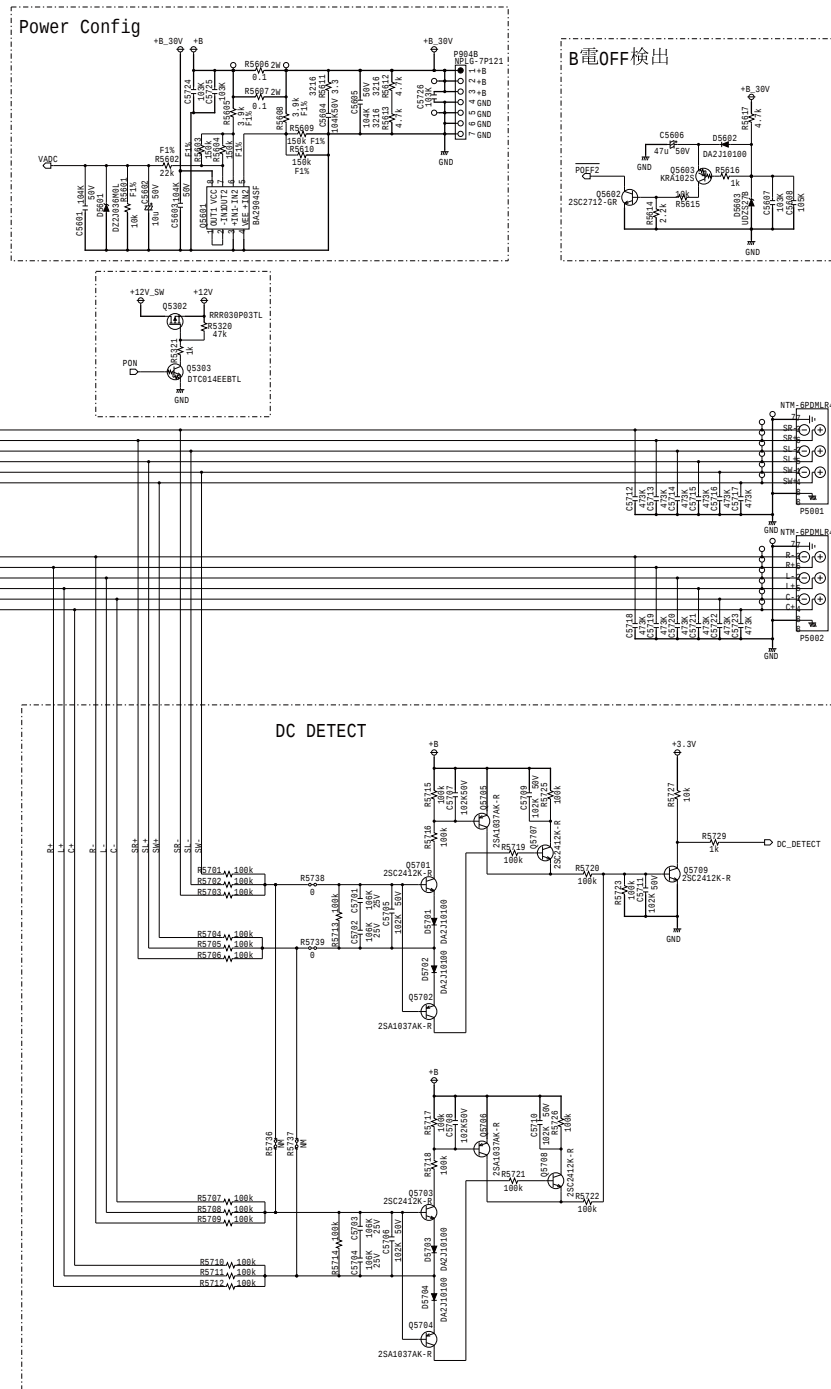


SW Pre OUT

default入力
SW Pre OUT AMP:PWM_PRE_P/M(PWM_P/M_5)
AVNERA OUT AMP:PWM_AV_P/M(PWM_P/M_6)

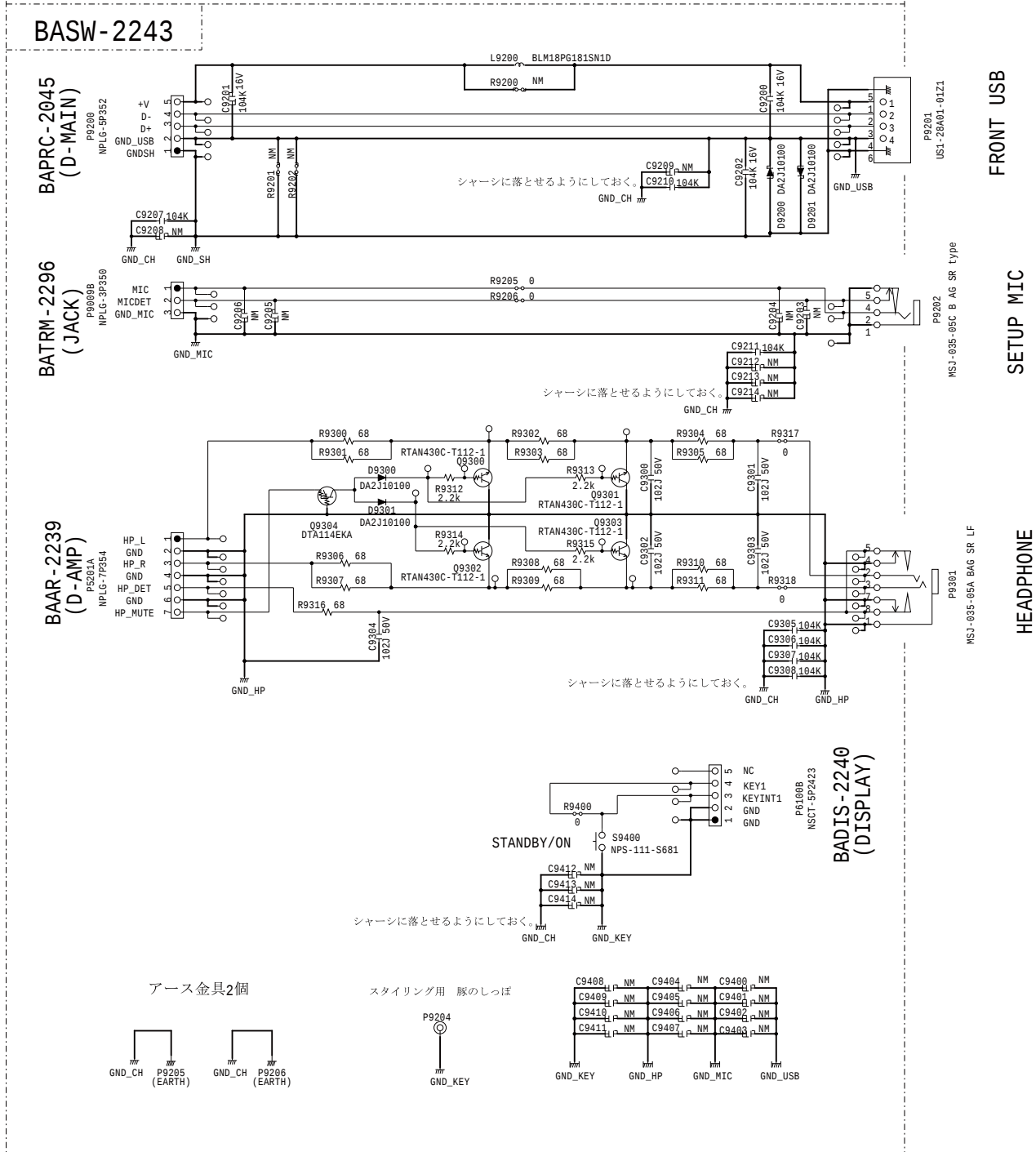


BAAR-2239

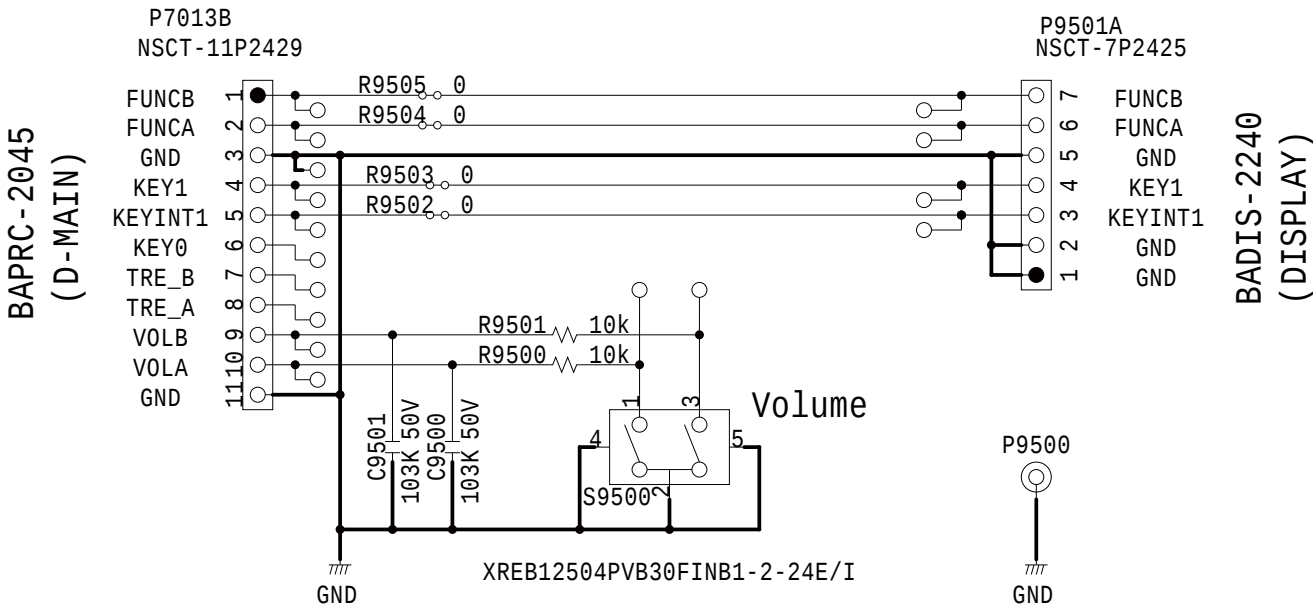


VSX-S520/S520D

POWER SW./FRONT USB/SETUP MIC./HEADPHONE

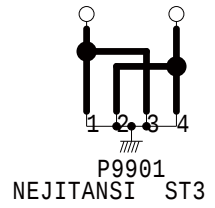


BASW-2309



USB Cable CONNECT

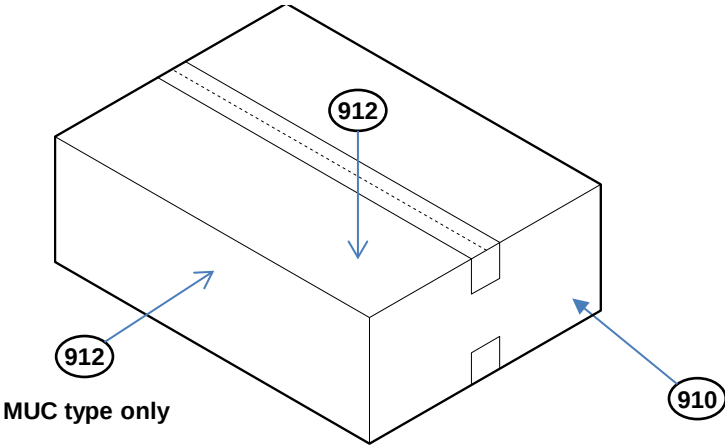
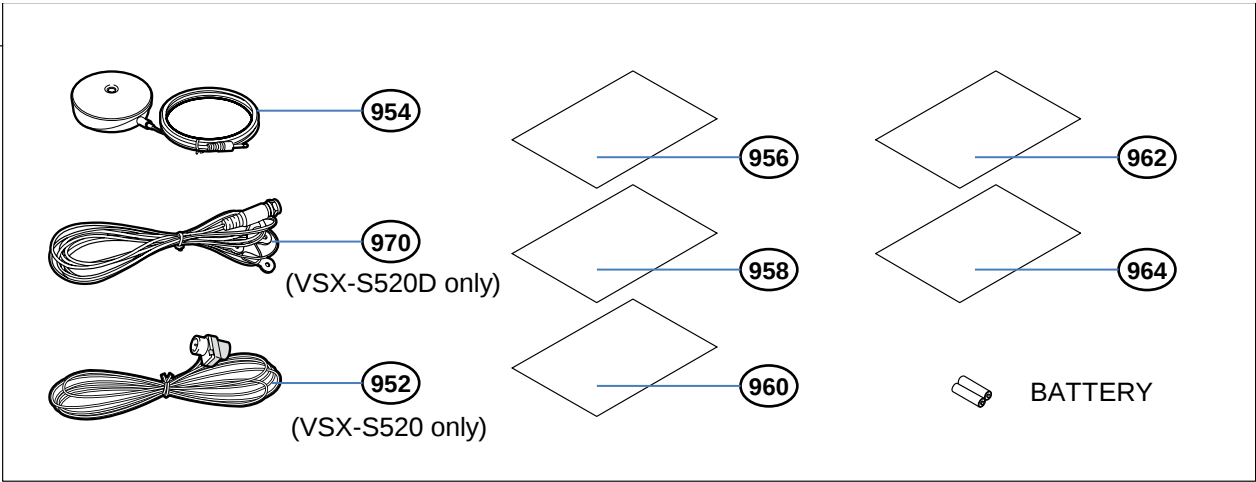
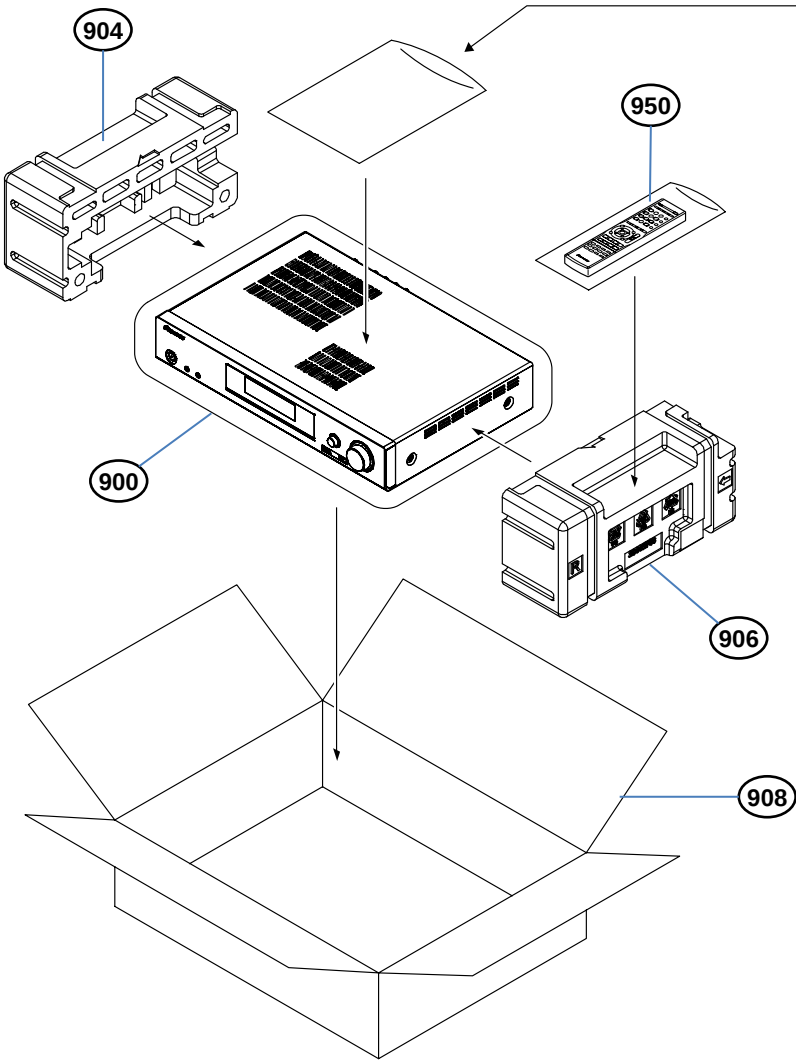
BAETC-2324

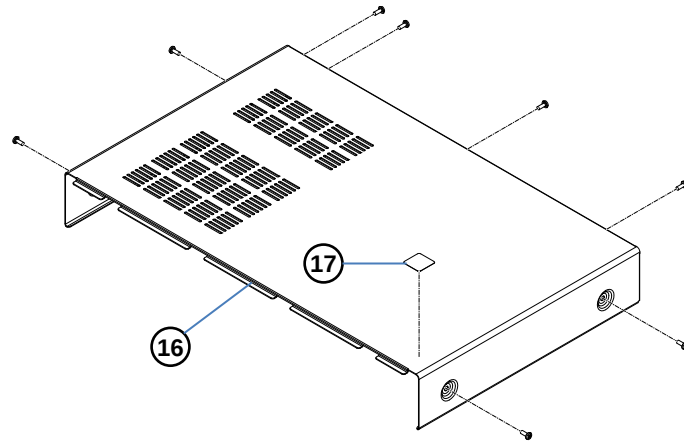


Packing

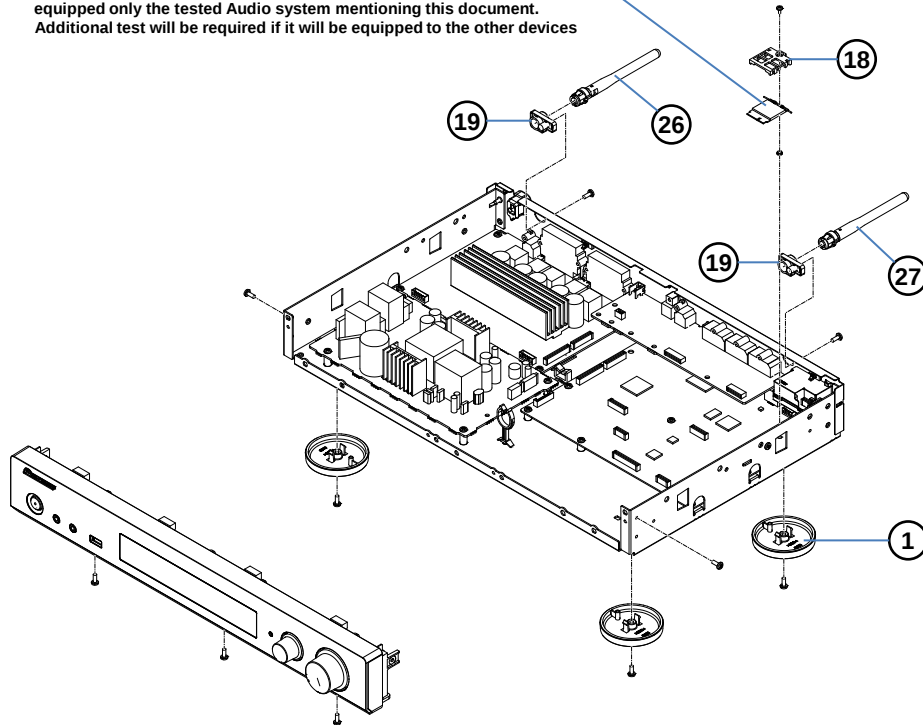
Exploded View

902 = 904 + 906



**25 : WiFi/Bluetooth Module**

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



* WiFi & Bluetooth Module has already been certificated by FCC and IC.
Information to the user.

Indicate "Contains FCC ID: TX2-RTL8821AE", "Contains IC: 6317A-RTL8821AE" and following information to the host device installed.

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

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

[For FCC]

FCC CAUTION

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

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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

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

[For IC]

CAN ICES-3 B/NMB-3 B

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

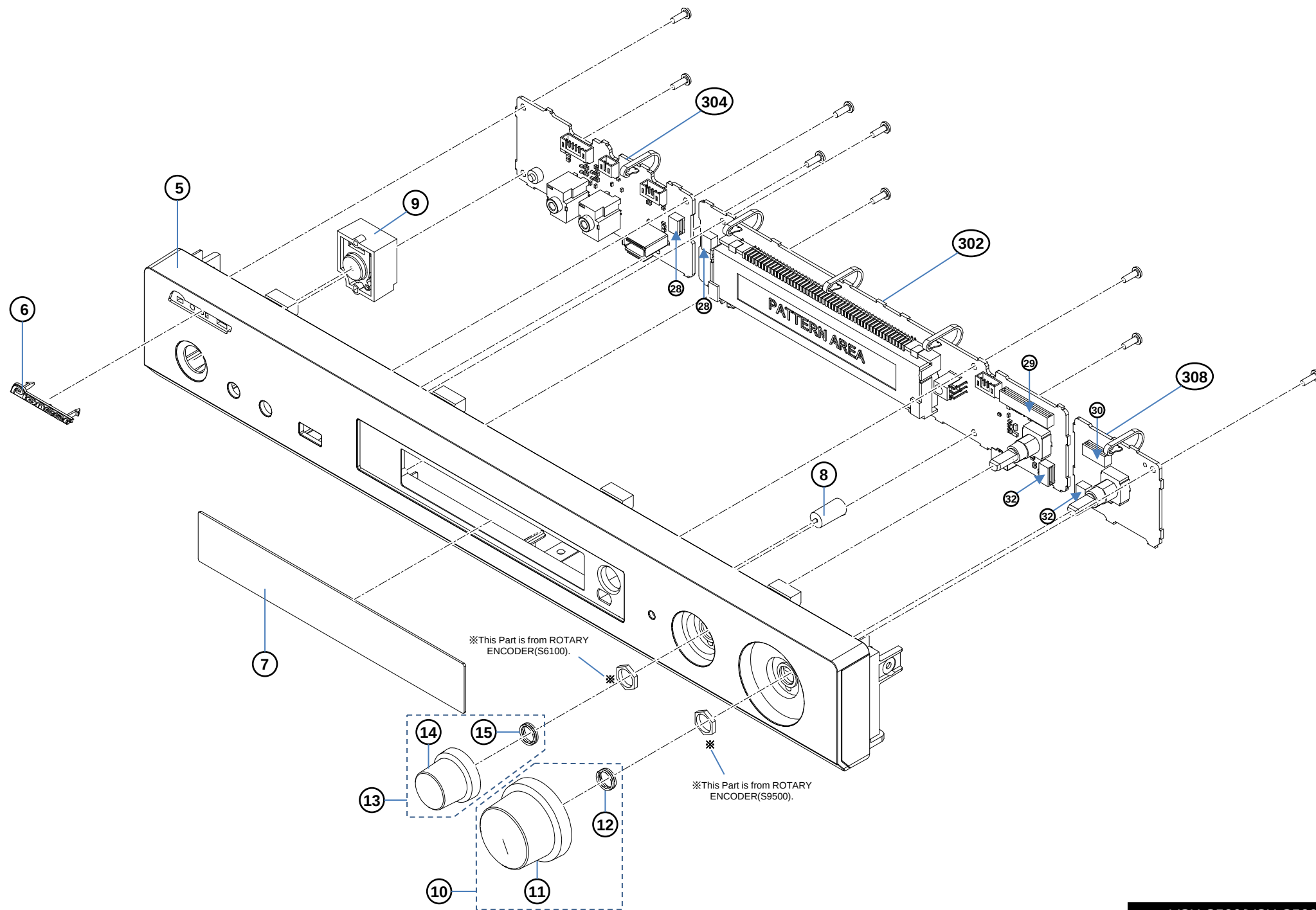
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts d'licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique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

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

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

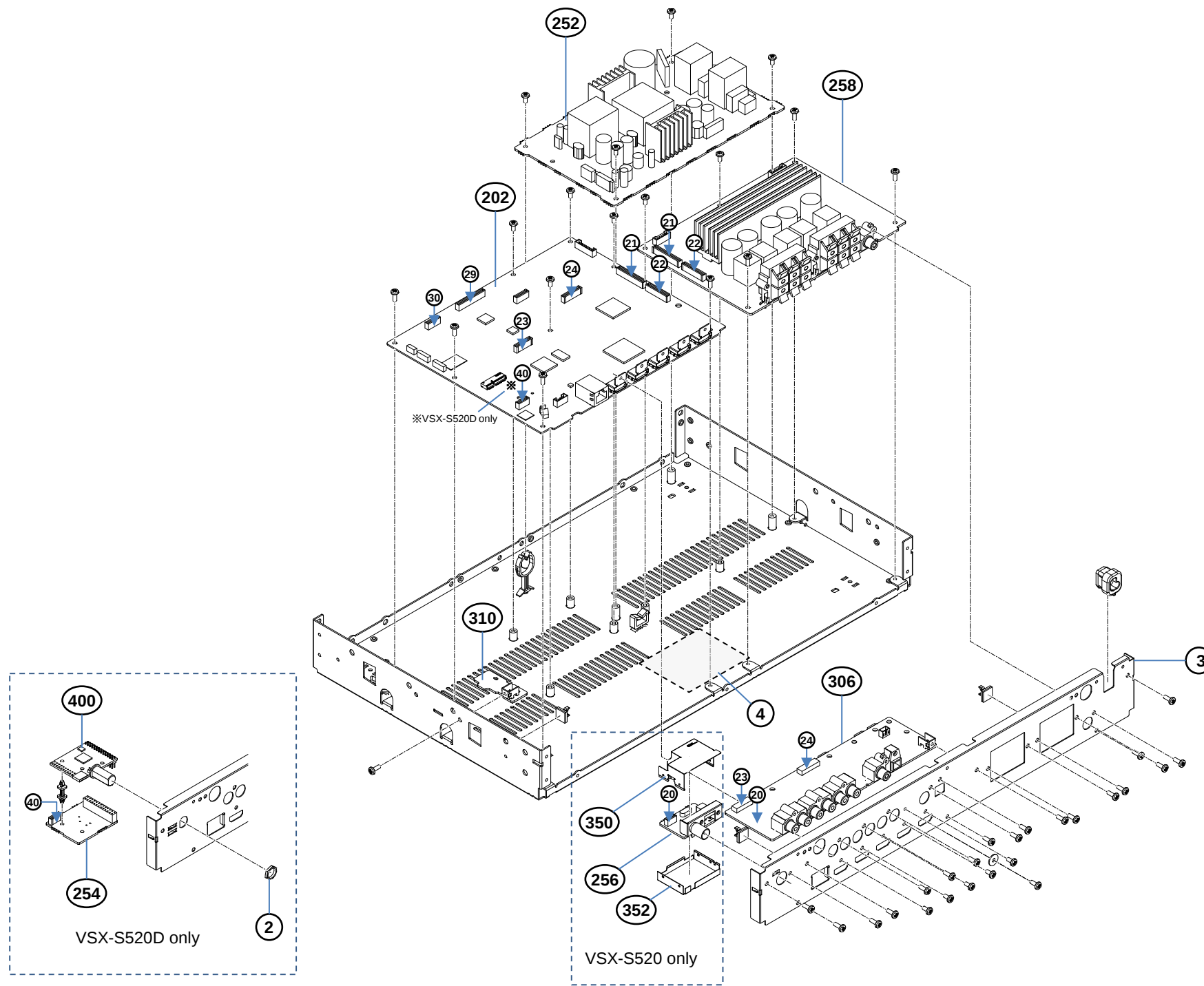
FRONT

Exploded View



REAR

Exploded View



VSX-S520/VSX-S520D

VSX-S520(B)MUC

<Note>

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 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.

(B) : Black color model

<MUC> : 100-240V

Canadian/USA/(Mexico) model

: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Cabinet, Chassis, Screws, Nuts]					
1	BOTTOM LEG	VSX-S520	4	27175486A	
3	REAR PANEL	VSX-S520_MUC/MUP	1	27124753	
4	SPECIFICATION LABEL	VSX-S520/MUC	1	29393413	
5	FRONT PANEL	VSX-S520(B)UP	1	27213881	N
5 or	FRONT PANEL	VSX-S520(B)PC	(1)	27213948	N
6	BADGE	AAM7016-A	1	28135326	N
7	CLEAR PLATE	VSX-S520	1	28192482A	
8	FACET	(STBY)	1	28200085	
9	KNOB	(STBY)(B)	1	28327307	
10	KNOB	(VOL)AS(B)	1	28327316	N
11	KNOB	(VOL)(B)	{1}	28327310	N
12	SPRING	.	{1}	27180575	
13	KNOB	(INPUT)AS(B)	1	28327319	N
14	KNOB	(INPUT)(B)	{1}	28327313	N
15	SPRING	.	{1}	27180575	
16	COVER	(B) (Bent)	1	28210168A	
17	LABEL	(CAUTION)	1	29392531	
18	HOLDER	(PLUG)	1	27191418A	
19	HOLDER	(ANTENNA)(B)	2	27191426	N
[Switches, Terminals, Wires]					
20	FLEXIBLE FLAT CABLE	NCFC7-071012	1	2047071012	
21	FLEXIBLE FLAT CABLE	NCFC5-271012	1	2045271012	
22	FLEXIBLE FLAT CABLE	NCFC5-211012	1	2045211012	
23	FLEXIBLE FLAT CABLE	NCFC5-151012	1	2045151012	
24	FLEXIBLE FLAT CABLE	NCFC5-171012	1	2045171012	
25	ASSEMBLED PWB	WCBN806L	1	24150135	
26	WIFI BT ANTENNA	RFDPA870940EMLB303	1	2050103	
27	WIFI BT ANTENNA	RFDPA870914EMLB302	1	2050109	
28	FLEXIBLE FLAT CABLE	NCFC5-050512	1	2045050512	N
29	FLEXIBLE FLAT CABLE	NCFC5-271512	1	2045271512	
30	FLEXIBLE FLAT CABLE	NCFC5-111512	1	2045111512	
31	POWER SUPPLY CORD	AS-UC-2	1	253368AYUN	!
31 or	POWER SUPPLY CORD	AS-UC-2	(1)	253368BLTK	!
32	FLEXIBLE FLAT CABLE	NCFC5-071012	1	2045071012	
[Frontend, Units]					
200	PARENT PC BOARD AS	BAPRC-2045-1B-P	1	1B5142045-1B520MUC	N Parent
202	Processing circuit pc board AS	BAPRC-2045-1B	1	1B5142045-1B-C520MUC	N Child
250	PARENT PC BOARD AS	BAPS-2236-1D-P	1	1B5142236-1D	N Parent
252	Power supply circuit pc board AS	BAPS-2236-1D	1	1B5142236-1D-C	N Child
256	Radio frequency circuit pc board AS	BARF-2346-1D	1	1B5142346-1D-C	Child
300	PARENT PC BOARD AS	BADIS-2240-1A-P	1	1B5142240-1A	N Parent
258	All round circuit pc board AS	BAAR-2239-1A	1	1B5142239-1A-C	N Child
302	Display circuit pc board AS	BADIS-2240-1A	1	1B5142240-1A-C	N Child
304	Switch circuit pc board AS	BASW-2243-1A	1	1B5142243-1A-C	N Child
306	Terminal circuit pc board AS	BATRM-2296-1A	1	1B5142296-1A-C	N Child
308	Switch circuit pc board AS	BASW-2309-1A	1	1B5142309-1A-C	N Child
310	Et cetra pc board AS	BAETC-2324-1A	1	1B5142324-1A-C	N Child
350	SHIELD CASE	(UPPER)	1	27225208	
352	SHIELD CASE	(TUNER-BTM)	1	27225207A	
[Packing]					

900	SHEET	T0.515x1100x500	1	29096196	
902	PAD	(AS)VSX-S520	1	29092764A	N
904	PAD	(L)VSX-S520	{1}	29092765A	N
906	PAD	(R)VSX-S520	{1}	29092766A	N
908	CARTON	VSX-S520(B)DC	1	29055701	N
910	UPC LABEL	VSX-S520(B)UC	{1}	29393336	N
912	LABEL	(fwup)Slim_Pi_US	2	29393544	N

[Accessories]

950	REMOTE CONTROL TRANSMITTER	RC-933R	1	24140933	
952	FM ANT AS	Type W	1	292191	
954	MIC	KHM0028-010020	1	245048A	
956	INSTRUCTION MANUAL	QSG_U7(VSX-S520)	1	29402520	N
958	INSTRUCTION MANUAL	Safety_Pio_16SI_U3	1	29402684	N
960	WARRANTY CARD	(Pioneer US)	1	29365218A	NSP
962	INSTRUCTION SHEET	(Google cast)	1	29355956	
964	INSTRUCTION SHEET	(FWupdate-Fireconnect)	1	29355967	

BADIS-2240-1A

<Note>

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: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
Q6005	FLUORESCENT TUBE	16-BT-168GNK	1	212279	
Q6020	REMOTE SENSOR	IRM-3638M3S28	1	24130026	
Q9001	PHOTO COUPLER	JSR1165-001recieving	1	24120143	
Q9006	HYBRID IC	BU4052BCFV	1	222840523R2RH	
Q9007	HYBRID IC	BU4052BCFV	1	222840523R2RH	
[Transformers, Coils]					
T5302	COIL	DLM1623C-100M-R	1	231496M100	
T5303	COIL	DLM1623C-100M-R	1	231496M100	
T5402	COIL	DLM1623C-100M-R	1	231496M100	
T5403	COIL	DLM1623C-100M-R	1	231496M100	
T5502	COIL	DLM1623C-100M-R	1	231496M100	
T5503	COIL	DLM1623C-100M-R	1	231496M100	
[Capacitors]					
C5001	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5003	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5005	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5007	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5103	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5111	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5201	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	1	394652217T	
C5212	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5213	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5214	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5222	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	1	394652217T	
C5229	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C5242	VR TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M(VR)	1	394624717T	
C5322	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5323	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5422	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5423	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	

C5522	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5523	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5602	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(VR)	1	394681007T	
C5606	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	1	394684707T	
C6003	ELECTROLYTIC CAPACITOR	CE04W16V-47M	1	355744709T	
C6014	ELECTROLYTIC CAPACITOR	CE04W6.3V-100M	1	355721019T	
C6023	ELECTROLYTIC CAPACITOR	CE04W16V-47M	1	355744709T	
C9000	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9004	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9008	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9012	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9025	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9026	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9032	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9033	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9038	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9040	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9041	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9042	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9043	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9044	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9051	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9072	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9073	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9076	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9077	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9095	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9097	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9099	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9101	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9103	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
[Resistors]					
R5606	METAL RESISTOR	ERX2SZGR10P	1	4500345	
R5607	METAL RESISTOR	ERX2SZGR10P	1	4500345	
[Switches, Terminals, Wires]					
P5001	TERMINAL	NTM-6PDMLR473	1	25060552	
P5002	TERMINAL	NTM-6PDMLR473	1	25060552	
P5202	PIN JACK	NPJ-1PDP555	1	25045773	
P9000	PIN JACK	NPJ-2PDRW805	1	25046077	
P9001	PIN JACK	NPJ-2PDRW805	1	25046077	
P9002	PIN JACK	NPJ-2PDRW805	1	25046077	
P9004	PIN JACK	NPJ-1PDO554	1	25045772	
P9202	ST JACK	MSJ-035-05C B AG SR type	1	25045879	
P9301	ST JACK	MSJ-035-05A BAG SR LF	1	25045927	
S6100	ROTARY ENCODER	XREB12505PVB30FINA1-2-12	1	25065746	
S9500	ROTARY ENCODER	XREB12504PVB30FINB1-2-24	1	25065729	

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: NSP

BAPRC-2045-1B

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					

Q1005	HYBRID IC	PCM9211PTR	1	22242703R2
[Transformers, Coils]				
[Capacitors]				
[Resistors]				
[Switches, Terminals, Wires]				

C931	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C941	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-220M(UTSP)	1	397582217T	
[Resistors]					
R905	METAL PLATE RESISTOR	BPR26CFR10K	1	4500001	
R934	THERMISTOR	3D2-14LC	1	4000276	
[Switches, Terminals, Wires]					
F901	FUSE	T4A-SEUL-T250V	1	252392T	!
F902	FUSE	1A-SEUL-250V	1	252417T	!, N
P1	TERMINAL	NTM-1PDSC437	1	25060515	

VSX-S520(B)MUP

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 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.

(B) : Black color model

<MUP> : 100-240V

European model

: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Cabinet, Chassis, Screws, Nuts]					
1	BOTTOM LEG	VSX-S520	4	27175486A	
3	REAR PANEL	VSX-S520_MUC/MUP	1	27124753	
4	SPECIFICATION LABEL	VSX-S520/MUP	1	29393414	
5	FRONT PANEL	VSX-S520(B)UP	1	27213881	N
5 or	FRONT PANEL	VSX-S520(B)PC	(1)	27213948	N
6	BADGE	AAM7016-A	1	28135326	N
7	CLEAR PLATE	VSX-S520	1	28192482A	
8	FACET	(STBY)	1	28200085	
9	KNOB	(STBY)(B)	1	28327307	
10	KNOB	(VOL)AS(B)	1	28327316	N
11	KNOB	(VOL)(B)	{1}	28327310	N
12	SPRING	.	{1}	27180575	
13	KNOB	(INPUT)AS(B)	1	28327319	N
14	KNOB	(INPUT)(B)	{1}	28327313	N
15	SPRING	.	{1}	27180575	
16	COVER	(B) (Bent)	1	28210168A	
17	LABEL	(CAUTION)	1	29392531	
18	HOLDER	(PLUG)	1	27191418A	
19	HOLDER	(ANTENNA)(B)	2	27191426	N
[Switches, Terminals, Wires]					
20	FLEXIBLE FLAT CABLE	NCFC7-071012	1	2047071012	
21	FLEXIBLE FLAT CABLE	NCFC5-271012	1	2045271012	
22	FLEXIBLE FLAT CABLE	NCFC5-211012	1	2045211012	
23	FLEXIBLE FLAT CABLE	NCFC5-151012	1	2045151012	
24	FLEXIBLE FLAT CABLE	NCFC5-171012	1	2045171012	
25	ASSEMBLED PWB	WCBN806L	1	24150135	
26	WIFI BT ANTENNA	RFDPA870940EMLB303	1	2050103	
27	WIFI BT ANTENNA	RFDPA870914EMLB302	1	2050109	
28	FLEXIBLE FLAT CABLE	NCFC5-050512	1	2045050512	N
29	FLEXIBLE FLAT CABLE	NCFC5-271512	1	2045271512	
30	FLEXIBLE FLAT CABLE	NCFC5-111512	1	2045111512	
31	POWER SUPPLY CORD	AS-CEE-2	1	253374LTK	!
31 or	POWER SUPPLY CORD	AS-CEE-2	(1)	253374YUN	!
31 or	POWER SUPPLY CORD	AS-CEE-2	(1)	253306VOL	!
32	FLEXIBLE FLAT CABLE	NCFC5-071012	1	2045071012	
[Frontend, Units]					
200	PARENT PC BOARD AS	BAPRC-2045-1B-P	1	1B5142045-1B520MUP	N Parent
202	Processing circuit pc board AS	BAPRC-2045-1B	1	1B5142045-1B-C520MUP	N Child
250	PARENT PC BOARD AS	BAPS-2236-1B-P	1	1B5142236-1B	N Parent
252	Power supply circuit pc board AS	BAPS-2236-1B	1	1B5142236-1B-C	N Child
256	Radio frequency circuit pc board AS	BARF-2346-1B	1	1B5142346-1B-C	Child
300	PARENT PC BOARD AS	BADIS-2240-1A-P	1	1B5142240-1A	N Parent
258	All round circuit pc board AS	BAAR-2239-1A	1	1B5142239-1A-C	N Child
302	Display circuit pc board AS	BADIS-2240-1A	1	1B5142240-1A-C	N Child
304	Switch circuit pc board AS	BASW-2243-1A	1	1B5142243-1A-C	N Child
306	Terminal circuit pc board AS	BATRM-2296-1A	1	1B5142296-1A-C	N Child
308	Switch circuit pc board AS	BASW-2309-1A	1	1B5142309-1A-C	N Child
310	Et cetra pc board AS	BAETC-2324-1A	1	1B5142324-1A-C	N Child
350	SHIELD CASE	(UPPER)	1	27225208	
352	SHIELD CASE	(TUNER-BTM)	1	27225207A	

[Packing]					
900	SHEET	T0.515x1100x500	1	29096196	
902	PAD	(AS)VSX-S520	1	29092764A	N
904	PAD	(L)VSX-S520	{1}	29092765A	N
906	PAD	(R)VSX-S520	{1}	29092766A	N
908	CARTON	VSX-S520(B)EX/EU	1	29055702	N
910	EAN LABEL	VSX-S520(B)UP	{1}	29393337	N
912	LABEL	(fwup)Slim_Pi_EU	1	29393541	N
[Accessories]					
950	REMOTE CONTROL TRANSMITTER	RC-933R	1	24140933	
952	FM ANT AS	Type W	1	292191	
954	MIC	KHM0028-010020	1	245048A	
956	INSTRUCTION MANUAL	QSG_U7(VSX-S520)	1	29402520	N
958	INSTRUCTION MANUAL	Safety_Pio_16SI_U9	1	29402528	N
960	WARRANTY CARD	(Pi-EU2016)	1	29365227A	NSP
962	INSTRUCTION SHEET	(Google cast)	1	29355956	
964	INSTRUCTION SHEET	(FWupdate-Fireconnect)	1	29355967	

BADIS-2240-1A					
<Note> 1. Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List. 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. : NSP					
REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
Q6005	FLUORESCENT TUBE	16-BT-168GNK	1	212279	
Q6020	REMOTE SENSOR	IRM-3638M3S28	1	24130026	
Q9001	PHOTO COUPLER	JSR1165-001recieving	1	24120143	
Q9006	HYBRID IC	BU4052BCFV	1	222840523R2RH	
Q9007	HYBRID IC	BU4052BCFV	1	222840523R2RH	
[Transformers, Coils]					
T5302	COIL	DLM1623C-100M-R	1	231496M100	
T5303	COIL	DLM1623C-100M-R	1	231496M100	
T5402	COIL	DLM1623C-100M-R	1	231496M100	
T5403	COIL	DLM1623C-100M-R	1	231496M100	
T5502	COIL	DLM1623C-100M-R	1	231496M100	
T5503	COIL	DLM1623C-100M-R	1	231496M100	
[Capacitors]					
C5001	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5003	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5005	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5007	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5103	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5111	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5201	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	1	394652217T	
C5212	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5213	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5214	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5222	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	1	394652217T	
C5229	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C5242	VR TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M(VR)	1	394624717T	
C5322	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5323	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5422	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	

C5423	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5522	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5523	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5602	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(VR)	1	394681007T	
C5606	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	1	394684707T	
C6003	ELECTROLYTIC CAPACITOR	CE04W16V-47M	1	355744709T	
C6014	ELECTROLYTIC CAPACITOR	CE04W6.3V-100M	1	355721019T	
C6023	ELECTROLYTIC CAPACITOR	CE04W16V-47M	1	355744709T	
C9000	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9004	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9008	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9012	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9025	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9026	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9032	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9033	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9038	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9040	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9041	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9042	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9043	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9044	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9051	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9072	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9073	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9076	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9077	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9095	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9097	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9099	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9101	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9103	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
[Resistors]					
R5606	METAL RESISTOR	ERX2SZGR10P	1	4500345	
R5607	METAL RESISTOR	ERX2SZGR10P	1	4500345	
[Switches, Terminals, Wires]					
P5001	TERMINAL	NTM-6PDMLR473	1	25060552	
P5002	TERMINAL	NTM-6PDMLR473	1	25060552	
P5202	PIN JACK	NPJ-1PDP555	1	25045773	
P9000	PIN JACK	NPJ-2PDRW805	1	25046077	
P9001	PIN JACK	NPJ-2PDRW805	1	25046077	
P9002	PIN JACK	NPJ-2PDRW805	1	25046077	
P9004	PIN JACK	NPJ-1PDO554	1	25045772	
P9202	ST JACK	MSJ-035-05C B AG SR type	1	25045879	
P9301	ST JACK	MSJ-035-05A BAG SR LF	1	25045927	
S6100	ROTARY ENCODER	XREB12505PVB30FINA1-2-12	1	25065746	
S9500	ROTARY ENCODER	XREB12504PVB30FINB1-2-24	1	25065729	

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: NSP

BAPRC-2045-1B

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
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[Semi-conductors]

Q1005	HYBRID IC	PCM9211PTR	1	22242703R2
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[Transformers, Coils]

[Capacitors]

[Resistors]

[Switches, Terminals, Wires]

BAPS-2236-1B

<Note>

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: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
D901	DIODE	TS10B06G-07	1	22380379	
D907	DIODE	FMEN-220A	1	22380396	
D909	DIODE	RFN20TB4S	1	22380390	
Q903	TRANSISTOR	R6520ENX	1	2218860	
Q905	HYBRID IC	EL816MX	1	22242845	
Q908	HYBRID IC	STR2A153	1	22242995	
Q909	HYBRID IC	EL816MX	1	22242845	
Q911	HYBRID IC	EL816MX	1	22242845	
Q915	HYBRID IC	LM61CIZ	1	22242212	
Q926	HYBRID IC	EL816MX	1	22242845	
X1	CRYSTAL	HC-49S 9B12.000MHz	1	3010533	N
[Transformers, Coils]					
L904	CHOKE COIL	RCR1010NP-100M	1	231449M100	
L905	CHOKE COIL	PI-8003-0031	1	231516	
L906	CHOKE COIL	GATDC1010-150MT	1	231468M150	
T901	COIL	EM-ET2424-0033	1	231484	
T902	COIL	EM-ET2424-0033	1	231484	
T903	POWER TRANSFORMER	NPT-1681S	1	2302187	!
T904	POWER TRANSFORMER	NPT-1682S	1	2302188	!
T907	FL TRANS	10RFG	1	2302190	
[Capacitors]					
C901	IS TYPE CAPACITOR	LE224-MX-C3.5	1	3800050S	!
C902	IS TYPE CAPACITOR	LE224-MX-C3.5	1	3800050S	!
C903	ELECTROLYTIC CAPACITOR	CE04W400V-220M	1	3500292S	
C910	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M	1	398582207T	
C911	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C911or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C912	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C912or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C913	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C913or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C914	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	1	394684707T	
C917	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C918	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C924	PW TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(PW)	1	393781007T	
C925	ELECTROLYTIC CAPACITOR	CE04W25V-1000M(KY_K20)	1	3500294T	
C926	PW TYPE ELECTROLYTIC CAPACITOR	CE04W25V-470M(PW)	1	393754717T	

C927	PW TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(PW)	1	393781007T	
C931	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C941	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-220M(UTSP)	1	397582217T	
[Resistors]					
R905	METAL PLATE RESISTOR	BPR26CFR10K	1	4500001	
R934	THERMISTOR	3D2-14LC	1	4000276	
[Switches, Terminals, Wires]					
F901	FUSE	T4A-SEUL-T250V	1	252392T	!
F902	FUSE	1A-SEUL-250V	1	252417T	!, N
P1	TERMINAL	NTM-1PDSC438	1	25060516	

VSX-S520(S)MUP

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(S) : Silver color model

<MUP> : 100-240V

European model

: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Cabinet, Chassis, Screws, Nuts]					
1	BOTTOM LEG	VSX-S520	4	27175486A	
3	REAR PANEL	VSX-S520_MUC/MUP	1	27124753	
4	SPECIFICATION LABEL	VSX-S520/MUP	1	29393414	
5	FRONT PANEL	VSX-S520(S)UP	1	27213882	N
6	BADGE	AAM7016-A	1	28135326	N
7	CLEAR PLATE	VSX-S520	1	28192482A	
8	FACET	(STBY)	1	28200085	
9	KNOB	(STBY)(S)	1	28327308	
10	KNOB	(VOL)AS(S)	1	28327317	N
11	KNOB	(VOL)(S)	{1}	28327311	N
12	SPRING	.	{1}	27180575	
13	KNOB	(INPUT)AS(S)	1	28327320	N
14	KNOB	(INPUT)(S)	{1}	28327314	N
15	SPRING	.	{1}	27180575	
16	COVER	(S) (Bent)	1	28210169A	
17	LABEL	(CAUTION)	1	29392531	
18	HOLDER	(PLUG)	1	27191418A	
19	HOLDER	(ANTENNA)(B)	2	27191426	N
[Switches, Terminals, Wires]					
20	FLEXIBLE FLAT CABLE	NCFC7-071012	1	2047071012	
21	FLEXIBLE FLAT CABLE	NCFC5-271012	1	2045271012	
22	FLEXIBLE FLAT CABLE	NCFC5-211012	1	2045211012	
23	FLEXIBLE FLAT CABLE	NCFC5-151012	1	2045151012	
24	FLEXIBLE FLAT CABLE	NCFC5-171012	1	2045171012	
25	ASSEMBLED PWB	WCBN806L	1	24150135	
26	WIFI BT ANTENNA	RFDPA870940EMLB303	1	2050103	
27	WIFI BT ANTENNA	RFDPA870914EMLB302	1	2050109	
28	FLEXIBLE FLAT CABLE	NCFC5-050512	1	2045050512	N
29	FLEXIBLE FLAT CABLE	NCFC5-271512	1	2045271512	
30	FLEXIBLE FLAT CABLE	NCFC5-111512	1	2045111512	
31	POWER SUPPLY CORD	AS-CEE-2	1	253374LTK	!
31 or	POWER SUPPLY CORD	AS-CEE-2	(1)	253374YUN	!
31 or	POWER SUPPLY CORD	AS-CEE-2	(1)	253306VOL	!
32	FLEXIBLE FLAT CABLE	NCFC5-071012	1	2045071012	
[Frontend, Units]					
200	PARENT PC BOARD AS	BAPRC-2045-1B-P	1	1B5142045-1B520MUP	N Parent
202	Processing circuit pc board AS	BAPRC-2045-1B	1	1B5142045-1B-C520MUP	N Child
250	PARENT PC BOARD AS	BAPS-2236-1B-P	1	1B5142236-1B	N Parent
252	Power supply circuit pc board AS	BAPS-2236-1B	1	1B5142236-1B-C	N Child
256	Radio frequency circuit pc board AS	BARF-2346-1B	1	1B5142346-1B-C	Child
300	PARENT PC BOARD AS	BADIS-2240-1A-P	1	1B5142240-1A	N Parent
258	All round circuit pc board AS	BAAR-2239-1A	1	1B5142239-1A-C	N Child
302	Display circuit pc board AS	BADIS-2240-1A	1	1B5142240-1A-C	N Child
304	Switch circuit pc board AS	BASW-2243-1A	1	1B5142243-1A-C	N Child
306	Terminal circuit pc board AS	BATRM-2296-1A	1	1B5142296-1A-C	N Child
308	Switch circuit pc board AS	BASW-2309-1A	1	1B5142309-1A-C	N Child
310	Et cetra pc board AS	BAETC-2324-1A	1	1B5142324-1A-C	N Child
350	SHIELD CASE	(UPPER)	1	27225208	
352	SHIELD CASE	(TUNER-BTM)	1	27225207A	
[Packing]					

900	SHEET	T0.515x1100x500	1	29096196	
902	PAD	(AS)VSX-S520	1	29092764A	N
904	PAD	(L)VSX-S520	{1}	29092765A	N
906	PAD	(R)VSX-S520	{1}	29092766A	N
908	CARTON	VSX-S520(S)EX/EU	1	29055703	N
910	EAN LABEL	VSX-S520(S)UP	{1}	29393338	N
912	LABEL	(fwup)Slim_Pi_EU	1	29393541	N

[Accessories]

950	REMOTE CONTROL TRANSMITTER	RC-933R	1	24140933	
952	FM ANT AS	Type W	1	292191	
954	MIC	KHM0028-010020	1	245048A	
956	INSTRUCTION MANUAL	QSG_U7(VSX-S520)	1	29402520	N
958	INSTRUCTION MANUAL	Safety_Pio_16SI_U9	1	29402528	N
960	WARRANTY CARD	(Pi-EU2016)	1	29365227A	NSP
962	INSTRUCTION SHEET	(Google cast)	1	29355956	
964	INSTRUCTION SHEET	(FWupdate-Fireconnect)	1	29355967	

BADIS-2240-1A

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: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
Q6005	FLUORESCENT TUBE	16-BT-168GNK	1	212279	
Q6020	REMOTE SENSOR	IRM-3638M3S28	1	24130026	
Q9001	PHOTO COUPLER	JSR1165-001recieving	1	24120143	
Q9006	HYBRID IC	BU4052BCFV	1	222840523R2RH	
Q9007	HYBRID IC	BU4052BCFV	1	222840523R2RH	
[Transformers, Coils]					
T5302	COIL	DLM1623C-100M-R	1	231496M100	
T5303	COIL	DLM1623C-100M-R	1	231496M100	
T5402	COIL	DLM1623C-100M-R	1	231496M100	
T5403	COIL	DLM1623C-100M-R	1	231496M100	
T5502	COIL	DLM1623C-100M-R	1	231496M100	
T5503	COIL	DLM1623C-100M-R	1	231496M100	
[Capacitors]					
C5001	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5003	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5005	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5007	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5103	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5111	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5201	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	1	394652217T	
C5212	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5213	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5214	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5222	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	1	394652217T	
C5229	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C5242	VR TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M(VR)	1	394624717T	
C5322	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5323	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5422	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5423	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	

C5522	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5523	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5602	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(VR)	1	394681007T	
C5606	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	1	394684707T	
C6003	ELECTROLYTIC CAPACITOR	CE04W16V-47M	1	355744709T	
C6014	ELECTROLYTIC CAPACITOR	CE04W6.3V-100M	1	355721019T	
C6023	ELECTROLYTIC CAPACITOR	CE04W16V-47M	1	355744709T	
C9000	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9004	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9008	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9012	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9025	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9026	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9032	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9033	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9038	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9040	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9041	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9042	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9043	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9044	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9051	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9072	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9073	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9076	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9077	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9095	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9097	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9099	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9101	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9103	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
[Resistors]					
R5606	METAL RESISTOR	ERX2SZGR10P	1	4500345	
R5607	METAL RESISTOR	ERX2SZGR10P	1	4500345	
[Switches, Terminals, Wires]					
P5001	TERMINAL	NTM-6PDMLR473	1	25060552	
P5002	TERMINAL	NTM-6PDMLR473	1	25060552	
P5202	PIN JACK	NPJ-1PDP555	1	25045773	
P9000	PIN JACK	NPJ-2PDRW805	1	25046077	
P9001	PIN JACK	NPJ-2PDRW805	1	25046077	
P9002	PIN JACK	NPJ-2PDRW805	1	25046077	
P9004	PIN JACK	NPJ-1PDO554	1	25045772	
P9202	ST JACK	MSJ-035-05C B AG SR type	1	25045879	
P9301	ST JACK	MSJ-035-05A BAG SR LF	1	25045927	
S6100	ROTARY ENCODER	XREB12505PVB30FINA1-2-12	1	25065746	
S9500	ROTARY ENCODER	XREB12504PVB30FINB1-2-24	1	25065729	

<Note>

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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.

: NSP

BAPRC-2045-1B

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					

<Note>

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Therefore, when replacing, be sure to use parts of identical designation.

 : NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
D901	DIODE	TS10B06G-07	1	22380379	
D907	DIODE	FMEN-220A	1	22380396	
D909	DIODE	RFN20TB4S	1	22380390	
Q903	TRANSISTOR	R6520ENX	1	2218860	
Q905	HYBRID IC	EL816MX	1	22242845	
Q908	HYBRID IC	STR2A153	1	22242995	
Q909	HYBRID IC	EL816MX	1	22242845	
Q911	HYBRID IC	EL816MX	1	22242845	
Q915	HYBRID IC	LM61CIZ	1	22242212	
Q926	HYBRID IC	EL816MX	1	22242845	
X1	CRYSTAL	HC-49S 9B12.000MHz	1	3010533	N
[Transformers, Coils]					
L904	CHOKE COIL	RCR1010NP-100M	1	231449M100	
L905	CHOKE COIL	PI-8003-0031	1	231516	
L906	CHOKE COIL	GATDC1010-150MT	1	231468M150	
T901	COIL	EM-ET2424-0033	1	231484	
T902	COIL	EM-ET2424-0033	1	231484	
T903	POWER TRANSFORMER	NPT-1681S	1	2302187	!
T904	POWER TRANSFORMER	NPT-1682S	1	2302188	!
T907	FL TRANS	10RFG	1	2302190	
[Capacitors]					
C901	IS TYPE CAPACITOR	LE224-MX-C3.5	1	3800050S	!
C902	IS TYPE CAPACITOR	LE224-MX-C3.5	1	3800050S	!
C903	ELECTROLYTIC CAPACITOR	CE04W400V-220M	1	3500292S	
C910	JAMICON TYPE ELECTROLYTIC CAPACIT	CE04W50V-22M	1	398582207T	
C911	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C911or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C912	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C912or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C913	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C913or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C914	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	1	394684707T	
C917	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C918	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C924	PW TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(PW)	1	393781007T	
C925	ELECTROLYTIC CAPACITOR	CE04W25V-1000M(KY_K20)	1	3500294T	
C926	PW TYPE ELECTROLYTIC CAPACITOR	CE04W25V-470M(PW)	1	393754717T	
C927	PW TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(PW)	1	393781007T	

C931	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C941	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-220M(UTSP)	1	397582217T	
[Resistors]					
R905	METAL PLATE RESISTOR	BPR26CFR10K	1	4500001	
R934	THERMISTOR	3D2-14LC	1	4000276	
[Switches, Terminals, Wires]					
F901	FUSE	T4A-SEUL-T250V	1	252392T	!
F902	FUSE	1A-SEUL-250V	1	252417T	!, N
P1	TERMINAL	NTM-1PDSC438	1	25060516	

VSX-S520D(B)MUP

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- Therefore, when replacing, be sure to use parts of identical designation.

(B) : Black color model

<MUP> : 100-240V

European model

: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Cabinet, Chassis, Screws, Nuts]					
1	BOTTOM LEG	VSX-S520	4	27175486A	
2	NUT	.	1	800562	
3	REAR PANEL	VSX-S520D_MUP	1	27124756	
4	SPECIFICATION LABEL	VSX-S520D/MUP	1	29393416A	N
5	FRONT PANEL	VSX-S520D(B)UP	1	27213917	
5 or	FRONT PANEL	VSX-S520D(B)PC	(1)	27213949	N
6	BADGE	AAM7016-A	1	28135326	N
7	CLEAR PLATE	VSX-S520	1	28192482A	
8	FACET	(STBY)	1	28200085	
9	KNOB	(STBY)(B)	1	28327307	
10	KNOB	(VOL)AS(B)	1	28327316	N
11	KNOB	(VOL)(B)	{1}	28327310	N
12	SPRING	.	{1}	27180575	
13	KNOB	(INPUT)AS(B)	1	28327319	N
14	KNOB	(INPUT)(B)	{1}	28327313	N
15	SPRING	.	{1}	27180575	
16	COVER	(B) (Bent)	1	28210168A	
17	LABEL	(CAUTION)	1	29392531	
18	HOLDER	(PLUG)	1	27191418A	
19	HOLDER	(ANTENNA)(B)	2	27191426	N
[Switches, Terminals, Wires]					
21	FLEXIBLE FLAT CABLE	NCFC5-271012	1	2045271012	
22	FLEXIBLE FLAT CABLE	NCFC5-211012	1	2045211012	
23	FLEXIBLE FLAT CABLE	NCFC5-151012	1	2045151012	
24	FLEXIBLE FLAT CABLE	NCFC5-171012	1	2045171012	
40	FLEXIBLE FLAT CABLE	NCFC5-091012	1	2045091012	
25	ASSEMBLED PWB	WCBN806L	1	24150135	
26	WIFI BT ANTENNA	RFDPA870940EMLB303	1	2050103	
27	WIFI BT ANTENNA	RFDPA870914EMLB302	1	2050109	
28	FLEXIBLE FLAT CABLE	NCFC5-050512	1	2045050512	N
29	FLEXIBLE FLAT CABLE	NCFC5-271512	1	2045271512	
30	FLEXIBLE FLAT CABLE	NCFC5-111512	1	2045111512	
31	POWER SUPPLY CORD	AS-CEE-2	1	253374LTK	!
31 or	POWER SUPPLY CORD	AS-CEE-2	(1)	253374YUN	!
31 or	POWER SUPPLY CORD	AS-CEE-2	(1)	253306VOL	!
32	FLEXIBLE FLAT CABLE	NCFC5-071012	1	2045071012	
[Frontend, Units]					
200	PARENT PC BOARD AS	BAPRC-2045-1H-P	1	1B5142045-1H20DMUP	N Parent
202	Processing circuit pc board AS	BAPRC-2045-1H	1	1B5142045-1H-C20DMUP	N Child
250	PARENT PC BOARD AS	BAPS-2236-1C-P	1	1B5142236-1C	N Parent
252	Power supply circuit pc board AS	BAPS-2236-1C	1	1B5142236-1C-C	N Child
254	Et cetra pc board AS	BAETC-2249-1C	1	1B5142249-1C-C	N Child
300	PARENT PC BOARD AS	BADIS-2240-1B-P	1	1B5142240-1B	N Parent
258	All round circuit pc board AS	BAAR-2239-1B	1	1B5142239-1B-C	N Child
302	Display circuit pc board AS	BADIS-2240-1B	1	1B5142240-1B-C	N Child
304	Switch circuit pc board AS	BASW-2243-1B	1	1B5142243-1B-C	N Child
306	Terminal circuit pc board AS	BATRM-2296-1B	1	1B5142296-1B-C	N Child
308	Switch circuit pc board AS	BASW-2309-1B	1	1B5142309-1B-C	N Child
310	Et cetra pc board AS	BAETC-2324-1B	1	1B5142324-1B-C	Child
400	ASSEMBLED PWB	FS2445-0000-0173	1	24150141	N

[Packing]					
900	SHEET	T0.515x1100x500	1	29096196	
902	PAD	(AS)VSX-S520	1	29092764A	N
904	PAD	(L)VSX-S520	{1}	29092765A	N
906	PAD	(R)VSX-S520	{1}	29092766A	N
908	CARTON	VSX-S520D(B)EX/EU	1	29055705	N
910	EAN LABEL	VSX-S520D(B)UP	{1}	29393340	N
912	LABEL	(fwup)Slim_Pi_EU	1	29393541	N
[Accessories]					
950	REMOTE CONTROL TRANSMITTER	RC-933R	1	24140933	
954	MIC	KHM0028-010020	1	245048A	
956	INSTRUCTION MANUAL	QSG_U7(VSX-S520)	1	29402520	N
958	INSTRUCTION MANUAL	Safety_Pio_16SI_U9	1	29402528	N
960	WARRANTY CARD	(Pi-EU2016)	1	29365227A	NSP
962	INSTRUCTION SHEET	(Google cast)	1	29355956	
964	INSTRUCTION SHEET	(FWupdate-Fireconnect)	1	29355967	
970	DAB ANT AS	Type NTSC	1	292216	

BADIS-2240-1B					
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REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
Q6005	FLUORESCENT TUBE	16-BT-168GNK	1	212279	
Q6020	REMOTE SENSOR	IRM-3638M3S28	1	24130026	
Q9001	PHOTO COUPLER	JSR1165-001recieving	1	24120143	
Q9006	HYBRID IC	BU4052BCFV	1	222840523R2RH	
Q9007	HYBRID IC	BU4052BCFV	1	222840523R2RH	
[Transformers, Coils]					
T5302	COIL	DLM1623C-100M-R	1	231496M100	
T5303	COIL	DLM1623C-100M-R	1	231496M100	
T5402	COIL	DLM1623C-100M-R	1	231496M100	
T5403	COIL	DLM1623C-100M-R	1	231496M100	
T5502	COIL	DLM1623C-100M-R	1	231496M100	
T5503	COIL	DLM1623C-100M-R	1	231496M100	
[Capacitors]					
C5001	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5003	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5005	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5007	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5103	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5111	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5201	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	1	394652217T	
C5212	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5213	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5214	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5222	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	1	394652217T	
C5229	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C5242	VR TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M(VR)	1	394624717T	
C5322	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5323	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5422	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	

C5423	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5522	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5523	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5602	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(VR)	1	394681007T	
C5606	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	1	394684707T	
C6003	ELECTROLYTIC CAPACITOR	CE04W16V-47M	1	355744709T	
C6014	ELECTROLYTIC CAPACITOR	CE04W6.3V-100M	1	355721019T	
C6023	ELECTROLYTIC CAPACITOR	CE04W16V-47M	1	355744709T	
C9000	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9004	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9008	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9012	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9025	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9026	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9032	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9033	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9038	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9040	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9041	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9042	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9043	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9044	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9051	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9072	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9073	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9095	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9097	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9099	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9101	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9103	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
[Resistors]					
R5606	METAL RESISTOR	ERX2SZGR10P	1	4500345	
R5607	METAL RESISTOR	ERX2SZGR10P	1	4500345	
[Switches, Terminals, Wires]					
P5001	TERMINAL	NTM-6PDMLR473	1	25060552	
P5002	TERMINAL	NTM-6PDMLR473	1	25060552	
P5202	PIN JACK	NPJ-1PDP555	1	25045773	
P9000	PIN JACK	NPJ-2PDRW805	1	25046077	
P9001	PIN JACK	NPJ-2PDRW805	1	25046077	
P9002	PIN JACK	NPJ-2PDRW805	1	25046077	
P9004	PIN JACK	NPJ-1PDO554	1	25045772	
P9202	ST JACK	MSJ-035-05C B AG SR type	1	25045879	
P9301	ST JACK	MSJ-035-05A BAG SR LF	1	25045927	
S6100	ROTARY ENCODER	XREB12505PVB30FINA1-2-12	1	25065746	
S9500	ROTARY ENCODER	XREB12504PVB30FINB1-2-24	1	25065729	

BAPRC-2045-1H

<Note>

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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.

: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
Q1005	HYBRID IC	PCM9211PTR	1	22242703R2	

BAPS-2236-1C

<Note>

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: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
D901	DIODE	TS10B06G-07	1	22380379	
D907	DIODE	FMEN-220A	1	22380396	
D909	DIODE	RFN20TB4S	1	22380390	
Q903	TRANSISTOR	R6520ENX	1	2218860	
Q905	HYBRID IC	EL816MX	1	22242845	
Q908	HYBRID IC	STR2A153	1	22242995	
Q909	HYBRID IC	EL816MX	1	22242845	
Q911	HYBRID IC	EL816MX	1	22242845	
Q915	HYBRID IC	LM61CIZ	1	22242212	
Q926	HYBRID IC	EL816MX	1	22242845	
[Transformers, Coils]					
L904	CHOKE COIL	RCR1010NP-100M	1	231449M100	
L905	CHOKE COIL	PI-8003-0031	1	231516	
L906	CHOKE COIL	GATDC1010-150MT	1	231468M150	
T901	COIL	EM-ET2424-0033	1	231484	
T902	COIL	EM-ET2424-0033	1	231484	
T903	POWER TRANSFORMER	NPT-1681S	1	2302187	!
T904	POWER TRANSFORMER	NPT-1682S	1	2302188	!
T907	FL TRANS	10RFG	1	2302190	
[Capacitors]					
C901	IS TYPE CAPACITOR	LE224-MX-C3.5	1	3800050S	!
C902	IS TYPE CAPACITOR	LE224-MX-C3.5	1	3800050S	!
C903	ELECTROLYTIC CAPACITOR	CE04W400V-220M	1	3500292S	
C910	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M	1	398582207T	
C911	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C911or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C912	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C912or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C913	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C913or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C914	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	1	394684707T	
C917	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C918	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C924	PW TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(PW)	1	393781007T	
C925	ELECTROLYTIC CAPACITOR	CE04W25V-1000M(KY_K20)	1	3500294T	
C926	PW TYPE ELECTROLYTIC CAPACITOR	CE04W25V-470M(PW)	1	393754717T	
C927	PW TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(PW)	1	393781007T	
C931	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C941	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-220M(UTSP)	1	397582217T	
[Resistors]					
R905	METAL PLATE RESISTOR	BPR26CFR10K	1	4500001	
R934	THERMISTOR	3D2-14LC	1	4000276	
[Switches, Terminals, Wires]					
F901	FUSE	T4A-SEUL-T250V	1	252392T	!
F902	FUSE	1A-SEUL-250V	1	252417T	!, N

VSX-S520D(S)MUP

<Note>

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(S) : Silver color model

<MUP> : 100-240V

European model

: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Cabinet, Chassis, Screws, Nuts]					
1	BOTTOM LEG	VSX-S520	4	27175486A	
2	NUT	.	1	800562	
3	REAR PANEL	VSX-S520D_MUP	1	27124756	
4	SPECIFICATION LABEL	VSX-S520D/MUP	1	29393416A	N
5	FRONT PANEL	VSX-S520D(S)UP	1	27213918	
6	BADGE	AAM7016-A	1	28135326	N
7	CLEAR PLATE	VSX-S520	1	28192482A	
8	FACET	(STBY)	1	28200085	
9	KNOB	(STBY)(S)	1	28327308	
10	KNOB	(VOL)AS(S)	1	28327317	N
11	KNOB	(VOL)(S)	{1}	28327311	N
12	SPRING	.	{1}	27180575	
13	KNOB	(INPUT)AS(S)	1	28327320	N
14	KNOB	(INPUT)(S)	{1}	28327314	N
15	SPRING	.	{1}	27180575	
16	COVER	(S) (Bent)	1	28210169A	
17	LABEL	(CAUTION)	1	29392531	
18	HOLDER	(PLUG)	1	27191418A	
19	HOLDER	(ANTENNA)(B)	2	27191426	N
[Switches, Terminals, Wires]					
21	FLEXIBLE FLAT CABLE	NCFC5-271012	1	2045271012	
22	FLEXIBLE FLAT CABLE	NCFC5-211012	1	2045211012	
23	FLEXIBLE FLAT CABLE	NCFC5-151012	1	2045151012	
24	FLEXIBLE FLAT CABLE	NCFC5-171012	1	2045171012	
40	FLEXIBLE FLAT CABLE	NCFC5-091012	1	2045091012	
25	ASSEMBLED PWB	WCBN806L	1	24150135	
26	WIFI BT ANTENNA	RFDPA870940EMLB303	1	2050103	
27	WIFI BT ANTENNA	RFDPA870914EMLB302	1	2050109	
28	FLEXIBLE FLAT CABLE	NCFC5-050512	1	2045050512	N
29	FLEXIBLE FLAT CABLE	NCFC5-271512	1	2045271512	
30	FLEXIBLE FLAT CABLE	NCFC5-111512	1	2045111512	
31	POWER SUPPLY CORD	AS-CEE-2	1	253374LTK	!
31 or	POWER SUPPLY CORD	AS-CEE-2	(1)	253374YUN	!
31 or	POWER SUPPLY CORD	AS-CEE-2	(1)	253306VOL	!
32	FLEXIBLE FLAT CABLE	NCFC5-071012	1	2045071012	
[Frontend, Units]					
200	PARENT PC BOARD AS	BAPRC-2045-1H-P	1	1B5142045-1H20DMUP	N Parent
202	Processing circuit pc board AS	BAPRC-2045-1H	1	1B5142045-1H-C20DMUP	N Child
250	PARENT PC BOARD AS	BAPS-2236-1C-P	1	1B5142236-1C	N Parent
252	Power supply circuit pc board AS	BAPS-2236-1C	1	1B5142236-1C-C	N Child
254	Et cetra pc board AS	BAETC-2249-1C	1	1B5142249-1C-C	N Child
300	PARENT PC BOARD AS	BADIS-2240-1B-P	1	1B5142240-1B	N Parent
258	All round circuit pc board AS	BAAR-2239-1B	1	1B5142239-1B-C	N Child
302	Display circuit pc board AS	BADIS-2240-1B	1	1B5142240-1B-C	N Child
304	Switch circuit pc board AS	BASW-2243-1B	1	1B5142243-1B-C	N Child
306	Terminal circuit pc board AS	BATRM-2296-1B	1	1B5142296-1B-C	N Child
308	Switch circuit pc board AS	BASW-2309-1B	1	1B5142309-1B-C	N Child
310	Et cetra pc board AS	BAETC-2324-1B	1	1B5142324-1B-C	Child
400	ASSEMBLED PWB	FS2445-0000-0173	1	24150141	N
[Packing]					

900	SHEET	T0.515x1100x500	1	29096196	
902	PAD	(AS)VSX-S520	1	29092764A	N
904	PAD	(L)VSX-S520	{1}	29092765A	N
906	PAD	(R)VSX-S520	{1}	29092766A	N
908	CARTON	VSX-S520D(S)EX/EU	1	29055706	N
910	EAN LABEL	VSX-S520D(S)UP	{1}	29393341	N
912	LABEL	(fwup)Slim_Pi_EU	1	29393541	N

[Accessories]

950	REMOTE CONTROL TRANSMITTER	RC-933R	1	24140933	
954	MIC	KHM0028-010020	1	245048A	
956	INSTRUCTION MANUAL	QSG_U7(VSX-S520)	1	29402520	N
958	INSTRUCTION MANUAL	Safety_Pio_16SI_U9	1	29402528	N
960	WARRANTY CARD	(Pi-EU2016)	1	29365227A	NSP
962	INSTRUCTION SHEET	(Google cast)	1	29355956	
964	INSTRUCTION SHEET	(FWupdate-Fireconnect)	1	29355967	
970	DAB ANT AS	Type NTSC	1	292216	

BADIS-2240-1B

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: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
Q6005	FLUORESCENT TUBE	16-BT-168GNK	1	212279	
Q6020	REMOTE SENSOR	IRM-3638M3S28	1	24130026	
Q9001	PHOTO COUPLER	JSR1165-001recieving	1	24120143	
Q9006	HYBRID IC	BU4052BCFV	1	222840523R2RH	
Q9007	HYBRID IC	BU4052BCFV	1	222840523R2RH	
[Transformers, Coils]					
T5302	COIL	DLM1623C-100M-R	1	231496M100	
T5303	COIL	DLM1623C-100M-R	1	231496M100	
T5402	COIL	DLM1623C-100M-R	1	231496M100	
T5403	COIL	DLM1623C-100M-R	1	231496M100	
T5502	COIL	DLM1623C-100M-R	1	231496M100	
T5503	COIL	DLM1623C-100M-R	1	231496M100	
[Capacitors]					
C5001	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5003	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5005	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5007	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5103	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5111	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5201	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	1	394652217T	
C5212	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5213	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5214	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5222	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	1	394652217T	
C5229	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C5242	VR TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M(VR)	1	394624717T	
C5322	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5323	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5422	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5423	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	

C5522	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5523	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5602	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(VR)	1	394681007T	
C5606	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	1	394684707T	
C6003	ELECTROLYTIC CAPACITOR	CE04W16V-47M	1	355744709T	
C6014	ELECTROLYTIC CAPACITOR	CE04W6.3V-100M	1	355721019T	
C6023	ELECTROLYTIC CAPACITOR	CE04W16V-47M	1	355744709T	
C9000	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9004	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9008	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9012	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9025	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9026	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9032	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9033	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9038	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9040	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9041	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9042	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C9043	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9044	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9051	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
C9072	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9073	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9095	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9097	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9099	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9101	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C9103	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T	
[Resistors]					
R5606	METAL RESISTOR	ERX2SZGR10P	1	4500345	
R5607	METAL RESISTOR	ERX2SZGR10P	1	4500345	
[Switches, Terminals, Wires]					
P5001	TERMINAL	NTM-6PDMLR473	1	25060552	
P5002	TERMINAL	NTM-6PDMLR473	1	25060552	
P5202	PIN JACK	NPJ-1PDP555	1	25045773	
P9000	PIN JACK	NPJ-2PDRW805	1	25046077	
P9001	PIN JACK	NPJ-2PDRW805	1	25046077	
P9002	PIN JACK	NPJ-2PDRW805	1	25046077	
P9004	PIN JACK	NPJ-1PDO554	1	25045772	
P9202	ST JACK	MSJ-035-05C B AG SR type	1	25045879	
P9301	ST JACK	MSJ-035-05A BAG SR LF	1	25045927	
S6100	ROTARY ENCODER	XREB12505PVB30FINA1-2-12	1	25065746	
S9500	ROTARY ENCODER	XREB12504PVB30FINB1-2-24	1	25065729	

BAPRC-2045-1H

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: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
Q1005	HYBRID IC	PCM9211PTR	1	22242703R2	
[Transformers, Coils]					
[Capacitors]					
[Resistors]					
[Switches, Terminals, Wires]					

BAPS-2236-1C

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: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
D901	DIODE	TS10B06G-07	1	22380379	
D907	DIODE	FMEN-220A	1	22380396	
D909	DIODE	RFN20TB4S	1	22380390	
Q903	TRANSISTOR	R6520ENX	1	2218860	
Q905	HYBRID IC	EL816MX	1	22242845	
Q908	HYBRID IC	STR2A153	1	22242995	
Q909	HYBRID IC	EL816MX	1	22242845	
Q911	HYBRID IC	EL816MX	1	22242845	
Q915	HYBRID IC	LM61CIZ	1	22242212	
Q926	HYBRID IC	EL816MX	1	22242845	
[Transformers, Coils]					
L904	CHOKE COIL	RCR1010NP-100M	1	231449M100	
L905	CHOKE COIL	PI-8003-0031	1	231516	
L906	CHOKE COIL	GATDC1010-150MT	1	231468M150	
T901	COIL	EM-ET2424-0033	1	231484	
T902	COIL	EM-ET2424-0033	1	231484	
T903	POWER TRANSFORMER	NPT-1681S	1	2302187	!
T904	POWER TRANSFORMER	NPT-1682S	1	2302188	!
T907	FL TRANS	10RFG	1	2302190	
[Capacitors]					
C901	IS TYPE CAPACITOR	LE224-MX-C3.5	1	3800050S	!
C902	IS TYPE CAPACITOR	LE224-MX-C3.5	1	3800050S	!
C903	ELECTROLYTIC CAPACITOR	CE04W400V-220M	1	3500292S	
C910	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M	1	398582207T	
C911	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C911or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C912	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C912or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C913	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C913or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C914	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	1	394684707T	
C917	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C918	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C924	PW TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(PW)	1	393781007T	
C925	ELECTROLYTIC CAPACITOR	CE04W25V-1000M(KY_K20)	1	3500294T	
C926	PW TYPE ELECTROLYTIC CAPACITOR	CE04W25V-470M(PW)	1	393754717T	
C927	PW TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(PW)	1	393781007T	
C931	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C941	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-220M(UTSP)	1	397582217T	
[Resistors]					
R905	METAL PLATE RESISTOR	BPR26CFR10K	1	4500001	
R934	THERMISTOR	3D2-14LC	1	4000276	
[Switches, Terminals, Wires]					
F901	FUSE	T4A-SEUL-T250V	1	252392T	!
F902	FUSE	1A-SEUL-250V	1	252417T	!, N

VSX-S520D(W)MUP

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<MUP> : 100-240V

European model

: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Cabinet, Chassis, Screws, Nuts]					
1	BOTTOM LEG	VSX-S520	4	27175486A	
2	NUT	.	1	800562	
3	REAR PANEL	VSX-S520D_MUP	1	27124756	
4	SPECIFICATION LABEL	VSX-S520D/MUP	1	29393416A	N
5	FRONT PANEL	VSX-S520D(W)UP	1	27213919	
6	BADGE	AAM7016-A	1	28135326	N
7	CLEAR PLATE	VSX-S520	1	28192482A	
8	FACET	(STBY)	1	28200085	
9	KNOB	(STBY)(W)	1	28327309	
10	KNOB	(VOL)AS(W)	1	28327318	N
11	KNOB	(VOL)(W)	{1}	28327312	N
12	SPRING	.	{1}	27180575	
13	KNOB	(INPUT)AS(W)	1	28327321	N
14	KNOB	(INPUT)(W)	{1}	28327315	N
15	SPRING	.	{1}	27180575	
16	COVER	(W) (Bent)	1	28210170A	
17	LABEL	(CAUTION)	1	29392531	
18	HOLDER	(PLUG)	1	27191418A	
19	HOLDER	(ANTENNA)(B)	2	27191426	N
[Switches, Terminals, Wires]					
21	FLEXIBLE FLAT CABLE	NCFC5-271012	1	2045271012	
22	FLEXIBLE FLAT CABLE	NCFC5-211012	1	2045211012	
23	FLEXIBLE FLAT CABLE	NCFC5-151012	1	2045151012	
24	FLEXIBLE FLAT CABLE	NCFC5-171012	1	2045171012	
40	FLEXIBLE FLAT CABLE	NCFC5-091012	1	2045091012	
25	ASSEMBLED PWB	WCBN806L	1	24150135	
26	WIFI BT ANTENNA	RFDPA870914EMLB301	1	2050107	
27	WIFI BT ANTENNA	RFDPA870940EMLB304	1	2050108	
28	FLEXIBLE FLAT CABLE	NCFC5-050512	1	2045050512	N
29	FLEXIBLE FLAT CABLE	NCFC5-271512	1	2045271512	
30	FLEXIBLE FLAT CABLE	NCFC5-111512	1	2045111512	
31	POWER SUPPLY CORD	AS-CEE-2	1	253476LTK	!
32	FLEXIBLE FLAT CABLE	NCFC5-071012	1	2045071012	
[Frontend, Units]					
200	PARENT PC BOARD AS	BAPRC-2045-1H-P	1	1B5142045-1H20DMUP	N Parent
202	Processing circuit pc board AS	BAPRC-2045-1H	1	1B5142045-1H-C20DMUP	N Child
250	PARENT PC BOARD AS	BAPS-2236-1C-P	1	1B5142236-1C	N Parent
252	Power supply circuit pc board AS	BAPS-2236-1C	1	1B5142236-1C-C	N Child
254	Et cetra pc board AS	BAETC-2249-1C	1	1B5142249-1C-C	N Child
300	PARENT PC BOARD AS	BADIS-2240-1B-P	1	1B5142240-1B	N Parent
258	All round circuit pc board AS	BAAR-2239-1B	1	1B5142239-1B-C	N Child
302	Display circuit pc board AS	BADIS-2240-1B	1	1B5142240-1B-C	N Child
304	Switch circuit pc board AS	BASW-2243-1B	1	1B5142243-1B-C	N Child
306	Terminal circuit pc board AS	BATRM-2296-1B	1	1B5142296-1B-C	N Child
308	Switch circuit pc board AS	BASW-2309-1B	1	1B5142309-1B-C	N Child
310	Et cetra pc board AS	BAETC-2324-1B	1	1B5142324-1B-C	Child
400	ASSEMBLED PWB	FS2445-0000-0173	1	24150141	N
[Packing]					
900	SHEET	T0.515x1100x500	1	29096196	
902	PAD	(AS)VSX-S520	1	29092764A	N

904	PAD	(L)VSX-S520	{1}	29092765A	N
906	PAD	(R)VSX-S520	{1}	29092766A	N
908	CARTON	VSX-S520D(W)EX/EU	1	29055707A	N
910	EAN LABEL	VSX-S520D(W)UP	{1}	29393342	N
912	LABEL	(fwup)Slim_Pi_EU	1	29393541	N
[Accessories]					
950	REMOTE CONTROL TRANSMITTER	RC-933R	1	24140933	
954	MIC	KHM0028-010020	1	245048A	
956	INSTRUCTION MANUAL	QSG_U7(VSX-S520)	1	29402520	N
958	INSTRUCTION MANUAL	Safety_Pio_16SI_U9	1	29402528	N
960	WARRANTY CARD	(Pi-EU2016)	1	29365227A	NSP
962	INSTRUCTION SHEET	(Google cast)	1	29355956	
964	INSTRUCTION SHEET	(FWupdate-Fireconnect)	1	29355967	
970	DAB ANT AS	Type NTSC	1	292216	

					BADIS-2240-1B
<Note>					
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: NSP					
REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
Q6005	FLUORESCENT TUBE	16-BT-168GNK	1	212279	
Q6020	REMOTE SENSOR	IRM-3638M3S28	1	24130026	
Q9001	PHOTO COUPLER	JSR1165-001recieving	1	24120143	
Q9006	HYBRID IC	BU4052BCFV	1	222840523R2RH	
Q9007	HYBRID IC	BU4052BCFV	1	222840523R2RH	
[Transformers, Coils]					
T5302	COIL	DLM1623C-100M-R	1	231496M100	
T5303	COIL	DLM1623C-100M-R	1	231496M100	
T5402	COIL	DLM1623C-100M-R	1	231496M100	
T5403	COIL	DLM1623C-100M-R	1	231496M100	
T5502	COIL	DLM1623C-100M-R	1	231496M100	
T5503	COIL	DLM1623C-100M-R	1	231496M100	
[Capacitors]					
C5001	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5003	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5005	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5007	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5103	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5111	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5201	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	1	394652217T	
C5212	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5213	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T	
C5214	ELECTROLYTIC CAPACITOR	CE04W16V-120M(LXY)	1	3500303T	
C5222	VR TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(VR)	1	394652217T	
C5229	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C5242	VR TYPE ELECTROLYTIC CAPACITOR	CE04W6.3V-470M(VR)	1	394624717T	
C5322	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5323	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5422	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5423	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5522	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C5523	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	

C5602	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(VR)	1	394681007T
C5606	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	1	394684707T
C6003	ELECTROLYTIC CAPACITOR	CE04W16V-47M	1	355744709T
C6014	ELECTROLYTIC CAPACITOR	CE04W6.3V-100M	1	355721019T
C6023	ELECTROLYTIC CAPACITOR	CE04W16V-47M	1	355744709T
C9000	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT
C9004	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT
C9008	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT
C9012	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT
C9025	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT
C9026	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T
C9032	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT
C9033	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T
C9038	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T
C9040	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T
C9041	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT
C9042	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT
C9043	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T
C9044	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T
C9051	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T
C9072	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T
C9073	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T
C9095	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T
C9097	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T
C9099	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T
C9101	VR TYPE ELECTROLYTIC CAPACITOR	CE04W16V-100M(VR)	1	394641017T
C9103	ELECTROLYTIC CAPACITOR	CE04W16V-47M(S)	1	353744709T
[Resistors]				
R5606	METAL RESISTOR	ERX2SZGR10P	1	4500345
R5607	METAL RESISTOR	ERX2SZGR10P	1	4500345
[Switches, Terminals, Wires]				
P5001	TERMINAL	NTM-6PDMLR473	1	25060552
P5002	TERMINAL	NTM-6PDMLR473	1	25060552
P5202	PIN JACK	NPJ-1PDP555	1	25045773
P9000	PIN JACK	NPJ-2PDRW805	1	25046077
P9001	PIN JACK	NPJ-2PDRW805	1	25046077
P9002	PIN JACK	NPJ-2PDRW805	1	25046077
P9004	PIN JACK	NPJ-1PDO554	1	25045772
P9202	ST JACK	MSJ-035-05C B AG SR type	1	25045879
P9301	ST JACK	MSJ-035-05A BAG SR LF	1	25045927
S6100	ROTARY ENCODER	XREB12505PVB30FINA1-2-12	1	25065746
S9500	ROTARY ENCODER	XREB12504PVB30FINB1-2-24	1	25065729

BAPRC-2045-1H

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: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
Q1005	HYBRID IC	PCM9211PTR	1	22242703R2	
[Transformers, Coils]					
[Capacitors]					
[Resistors]					
[Switches, Terminals, Wires]					

BAPS-2236-1C

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: NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
[Semi-conductors]					
D901	DIODE	TS10B06G-07	1	22380379	
D907	DIODE	FMEN-220A	1	22380396	
D909	DIODE	RFN20TB4S	1	22380390	
Q903	TRANSISTOR	R6520ENX	1	2218860	
Q905	HYBRID IC	EL816MX	1	22242845	
Q908	HYBRID IC	STR2A153	1	22242995	
Q909	HYBRID IC	EL816MX	1	22242845	
Q911	HYBRID IC	EL816MX	1	22242845	
Q915	HYBRID IC	LM61CIZ	1	22242212	
Q926	HYBRID IC	EL816MX	1	22242845	
[Transformers, Coils]					
L904	CHOKE COIL	RCR1010NP-100M	1	231449M100	
L905	CHOKE COIL	PI-8003-0031	1	231516	
L906	CHOKE COIL	GATDC1010-150MT	1	231468M150	
T901	COIL	EM-ET2424-0033	1	231484	
T902	COIL	EM-ET2424-0033	1	231484	
T903	POWER TRANSFORMER	NPT-1681S	1	2302187	!
T904	POWER TRANSFORMER	NPT-1682S	1	2302188	!
T907	FL TRANS	10RFG	1	2302190	
[Capacitors]					
C901	IS TYPE CAPACITOR	LE224-MX-C3.5	1	3800050S	!
C902	IS TYPE CAPACITOR	LE224-MX-C3.5	1	3800050S	!
C903	ELECTROLYTIC CAPACITOR	CE04W400V-220M	1	3500292S	
C910	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M	1	398582207T	
C911	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C911or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C912	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C912or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C913	IS TYPE CAPACITOR	DE1E3KX102MJ4BN01F	1	3300100S	!
C913or	IS TYPE CAPACITOR	DE1E3KX102MB4BL01	(1)	3300066S	!
C914	VR TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M(VR)	1	394684707T	
C917	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C918	ELECTROLYTIC CAPACITOR	CE04W50V-470M(KY_K20)	1	3500293T	
C924	PW TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(PW)	1	393781007T	
C925	ELECTROLYTIC CAPACITOR	CE04W25V-1000M(KY_K20)	1	3500294T	
C926	PW TYPE ELECTROLYTIC CAPACITOR	CE04W25V-470M(PW)	1	393754717T	
C927	PW TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(PW)	1	393781007T	
C931	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C941	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-220M(UTSP)	1	397582217T	
[Resistors]					
R905	METAL PLATE RESISTOR	BPR26CFR10K	1	4500001	
R934	THERMISTOR	3D2-14LC	1	4000276	
[Switches, Terminals, Wires]					
F901	FUSE	T4A-SEUL-T250V	1	252392T	!
F902	FUSE	1A-SEUL-250V	1	252417T	!, N