DIGITAL WORKSTATION

PSR-S750
PSR-S950

SERVICE MANUAL

PSR-S750

PSR-S950

CONTENTS

PK 001876

YAMAHA
HAMAMATSU, JAPAN

IMPORTANT NOTICE

This manual has been provided for the use of authorized Yamaha Retailers and their service personnel. It has been assumed that basic service procedures inherent to the industry, and more specifically Yamaha Products, are already known and understood by the users, and have therefore not been restated.

WARNING : Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components and failure of the product to perform as specified. For these reasons, we advise all Yamaha product owners that all service required should be performed by an authorized Yamaha Retailer or the appointed service representative.

IMPORTANT : This presentation or sale of this manual to any individual or firm does not constitute authorization certification, recognition of any applicable technical capabilities, or establish a principal-agent relationship of any form.

The data provided is belived to be accurate and applicable to the unit(s) indicated on the cover. The research engineering, and service departments of Yamaha are continually striving to improve Yamaha products. Modifications are, therefore, inevitable and changes in specification are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

WARNING : Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground bus in the unit (heavy gauge black wires connect to this bus.)

IMPORTANT : Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

WARNING: This product contains chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.

DO NOT PLACE SOLDER, ELECTRICAL/ELECTRONIC OR PLASTIC COMPONENTS IN YOUR MOUTH FOR ANY REASON WHAT SO EVER!

Avoid prolonged, unprotected contact between solder and your skin! When soldering, do not inhale solder fumes or expose eyes to solder/flux vapor!

If you come in contact with solder or components located inside the enclosure of this product, wash your hands before handling food.

IMPORTANT NOTICE FOR THE UNITED KINGDOM

Connecting the Plug and Cord

IMPORTANT. The wires in this mains lead are coloured in accordance with the following code:

BLUE : NEUTRAL
BROWN : LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured makings identifying the terminals in your plug proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Making sure that neither core is connected to the earth terminal of the three pin plug.

(2 wires)

■ WARNING

Components having special characteristics are marked ⚠ and must be replaced with parts having specification equal to those originally installed.

■ SAVING DATA

Be sure to perform it

- The edited Songs/Styles/Voices/Multi Pads and MIDI settings are lost when you turn off the power of the instrument without saving. Save the edited data to the instrument (USER tab display) or a USB flash memory (USB tab display). Moreover, it is safer to save the data to a USB flash memory, because the data in the USER tab display may be lost due to malfunction or incorrect operation. To protect against data loss through USB flash memory damage, we recommend that you save your important data onto two USB flash memories.
- Data other than above (edited Songs/Styles/Voices/Multi Pads and MIDI settings) is automatically stored, when you change the settings in a display page and then exit from that page. However, the data is lost if you turn off the power without properly exiting from the relevant display.

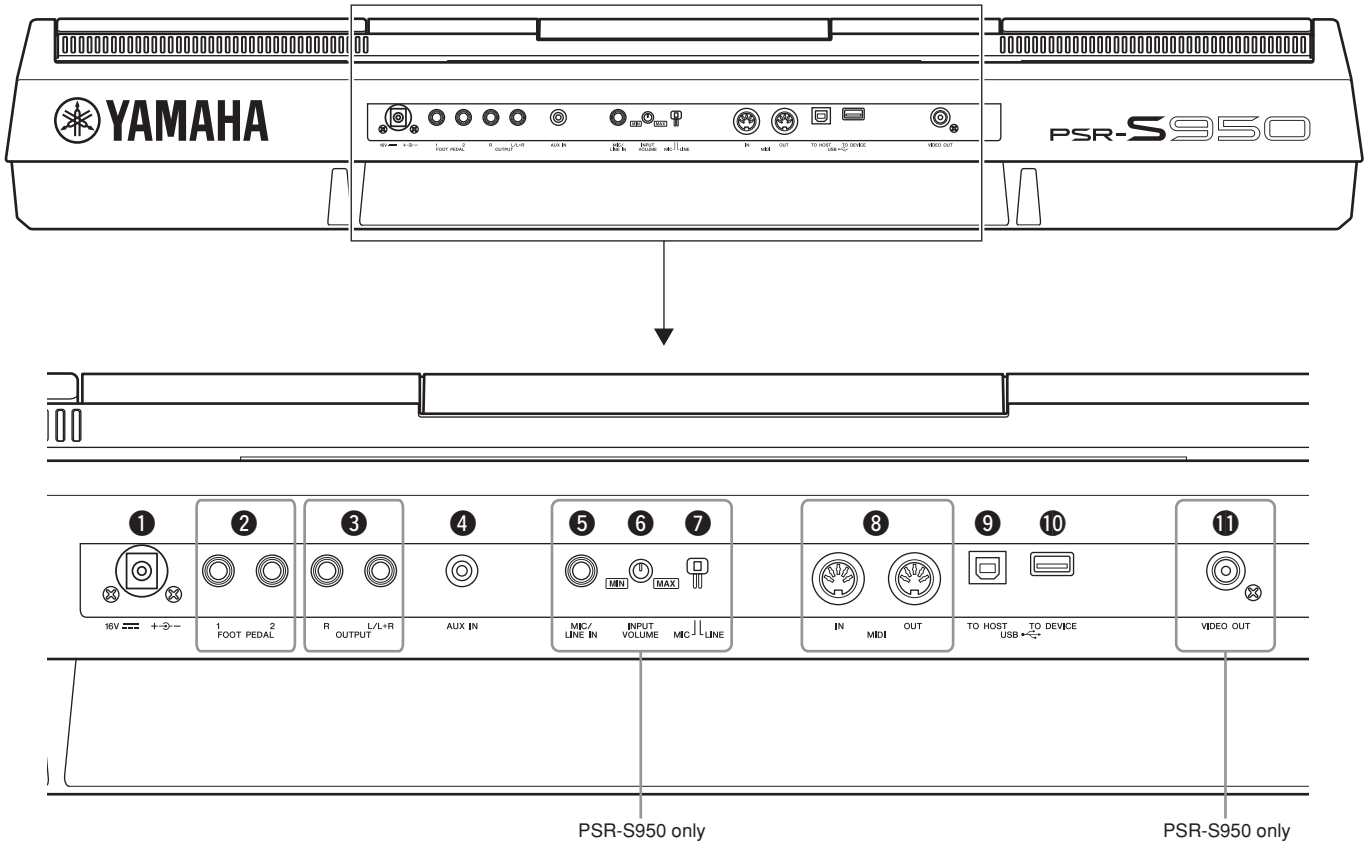
SPECIFICATIONS

			PSR-S950	PSR-S750
Size and Weight	Width x Height x Depth (without Music Rest)		1,002 x 148 x 437 mm (39 7/16" x 5 13/16" x 17 3/16")	
	Weight (without Music Rest)		11.5 kg (25 lbs., 6 oz.)	11 kg (24 lbs., 4 oz.)
Interface	Keyboard	Number of Keys	61	
		Type	Organ	
		Touch Response	Hard 2, Hard 1, Medium, Soft 1, Soft 2	
	Controllers	Pitch Bend Wheel	Yes	
		Modulation Wheel	Yes	
	Display	Type	5.7 inch color LCD (320 x 240 dots TFT QVGA)	5.7 inch B/W LCD (320 x 240 dots STN QVGA)
		Contrast	—	Yes
		Language	English, German, French, Spanish, Italian	
	Panel	Language	English	
Voices	Tone Generation	Tone Generation Technology	AWM Stereo Sampling	
	Polyphony	Number of Polyphony (Max.)	128	
	Preset	Number of Voices	786 + 33 Drum/SFX Kits + 480 XG + GM2 + GS (for GS Song Playback)	678 + 28 Drum/SFX Kits + 480 XG + GM2 + GS (for GS Song Playback)
		Featured Voices	62 Super Articulation, 23 Mega Voices, 27 Sweet!, 64 Cool!, 39 Live!, 20 Organ Flutes!	38 Super Articulation, 18 Mega Voices, 24 Sweet!, 46 Cool!, 29 Live!, 10 Organ Flutes!
	Expandability	Expansion Voice	Yes (approx. 64 MB max.)	
		Editing	Voice Set	
	Compatibility		XG, XF, GS, GM, GM2	
	Part		Right 1, Right 2, Left	
Styles	Preset	Number of Styles	408	325
		Featured Styles	25 +Audio, 1 FreePlay, 350 Pro, 32 Session	295 Pro, 30 Session
	Fingering		Single Finger, Fingered, Fingered On Bass, Multi Finger, AI Fingered, Full Keyboard, AI Full Keyboard	
	Style Control		INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3	
	Compatibility		Style File Format, Style File Format GE	
	Expandability	Expansion Style	Yes	
		Expansion Audio Style	Yes (approx. 64 MB max.)	—
	Other Features	Music Finder (Max.)	2,500 Records	1,200 Records
		One Touch Setting (OTS)	4 for each Style	
Songs	Preset	Number of Songs	5	
	Recording	Number of Songs	Unlimited (depending on USB flash memory capacity)	
		Number of Tracks	16	
		Data Capacity	approx. 300 KB/Song	
		Recording Function	Quick Recording, Multi Recording, Step Recording	
	Data Format	Playback	SMF (Format 0 & 1), XF	
		Recording	SMF (Format 0)	
Multi Pads	Preset	Number of Multi Pad Banks	126 banks x 4 Pads	123 banks x 4 Pads
	Audio	Audio Link	Yes	
Functions	Voices	Voice Creator	Yes	
		Harmony/Echo	Yes	
		Panel Sustain	Yes	
		Mono/Poly	Yes	
		Voice Information	Yes	
	Styles	Style Creator	Yes	
		Style Recommender	Yes	
		OTS Information	Yes	
	Songs	Song Creator	Yes	
		Score Display Function	Yes	
		Lyrics Display Function	Yes	
		Lesson/Guide	Follow Lights, Any Key, Karao-Key, Your Tempo	
		Performance Assistant Technology (P.A.T.)	Yes	
	Multi Pads	Multi Pad Creator	Yes	

			PSR-S950	PSR-S750
Functions	Registration Memory	Number of Buttons	8 presets/bank (unlimited number of banks, depending on USB flash memory capacity)	
		Control	Registration Sequence, Freeze	
	USB Audio	Recording	.wav	
		Playback	.wav,.mp3	.wav
		Time Stretch	Yes	—
		Pitch Shift	Yes	—
		Vocal Cancel	Yes	—
	Demo/Help	Demonstration	Yes	
	Overall Controls	Metronome	Yes	
		Tempo	5 – 500, Tap Tempo	
		Transpose	-12 – 0 – +12	
		Tuning	414.8 – 440 – 466.8 Hz	
		Octave Button	Yes	
		Scale Type	9 Presets	
	Miscellaneous	Text Display Function	Yes	
		Wallpaper Customization	Main, Lyrics	—
		Direct Access	Yes	
Effects	Reverb		44 Presets + 3 User	
	Chorus		106 Presets + 3 User	71 Presets + 3 User
	DSP		DSP 1: 295 Presets + 3 User, DSP 2-4: 295 Presets + 10 User	DSP 1: 295 Presets + 3 User, DSP 2-4: 128 Presets + 10 User
	Master EQ		5 Presets + 2 User	
	Part EQ		28 Parts (Right 1, Right 2, Left, Multi Pad, Style x 8, Song x 16)	
	Mic Effects		Noise Gate x 1, Compressor x 1, 3Band EQ x 1	—
	Vocal Harmony	Number of Presets	44	—
		Number of User Settings	60	—
		Vocal Effect	23	—
Storage		Internal Memory	approx. 6.7 MB	approx. 1.9 MB
		Internal Memory (for Expansion Pack)	approx. 64 MB	
		External Drives	USB Flash Memory, etc. (via USB TO DEVICE)	
Connections		DC IN	16 V	
		Microphone	Yes	—
		AUX IN	Yes	
		Headphones	Yes	
		OUTPUT	R, L/L+R	
		VIDEO OUT	Yes	—
		FOOT PEDAL	(optional) Switch or Volume x 2	
		USB TO DEVICE	Yes	
		USB TO HOST	Yes	
		MIDI	In/Out	
Amplifiers and Speakers	Amplifiers		15 W x 2	
	Speakers		13 cm + 2.5 cm dome tweeter (x 2)	13 cm + 5 cm (x 2)
Pedals	Assignable Functions		Volume, Sustain, Sostenuto, Soft, Glide, S. Articulation, Song Play/Pause, Style Start/Stop, etc.	
Power Supply	AC Power Adaptor		PA-300C or an equivalent recommended by Yamaha	
	Power Consumption		16 W	13 W
	Auto Power Off Function		Yes	
Included Accessories			• Owner's Manual • Online Member Product Registration You will need the PRODUCT ID on the sheet in order to fill out the User Registration form. • Music Rest • AC Power Adaptor (PA-300C or an equivalent recommended by Yamaha) This may not be included depending on your particular area. Please check with your Yamaha dealer.	
Optional Accessories	AC Power Adaptor		PA-300C or an equivalent recommended by Yamaha	
	Headphones		HPE-160	
	USB-MIDI Interface		UX-16	
	Footswitches		FC4/FC5	
	Foot controller		FC7	
	Keyboard Stand		L-6/L-7 (The exterior size of the PSR-S950/S750 is beyond the limits as described in the L-6 Assembly Instructions. However, we have determined through tests that the stand can be safely used for the instrument.)	

■ PANEL LAYOUT

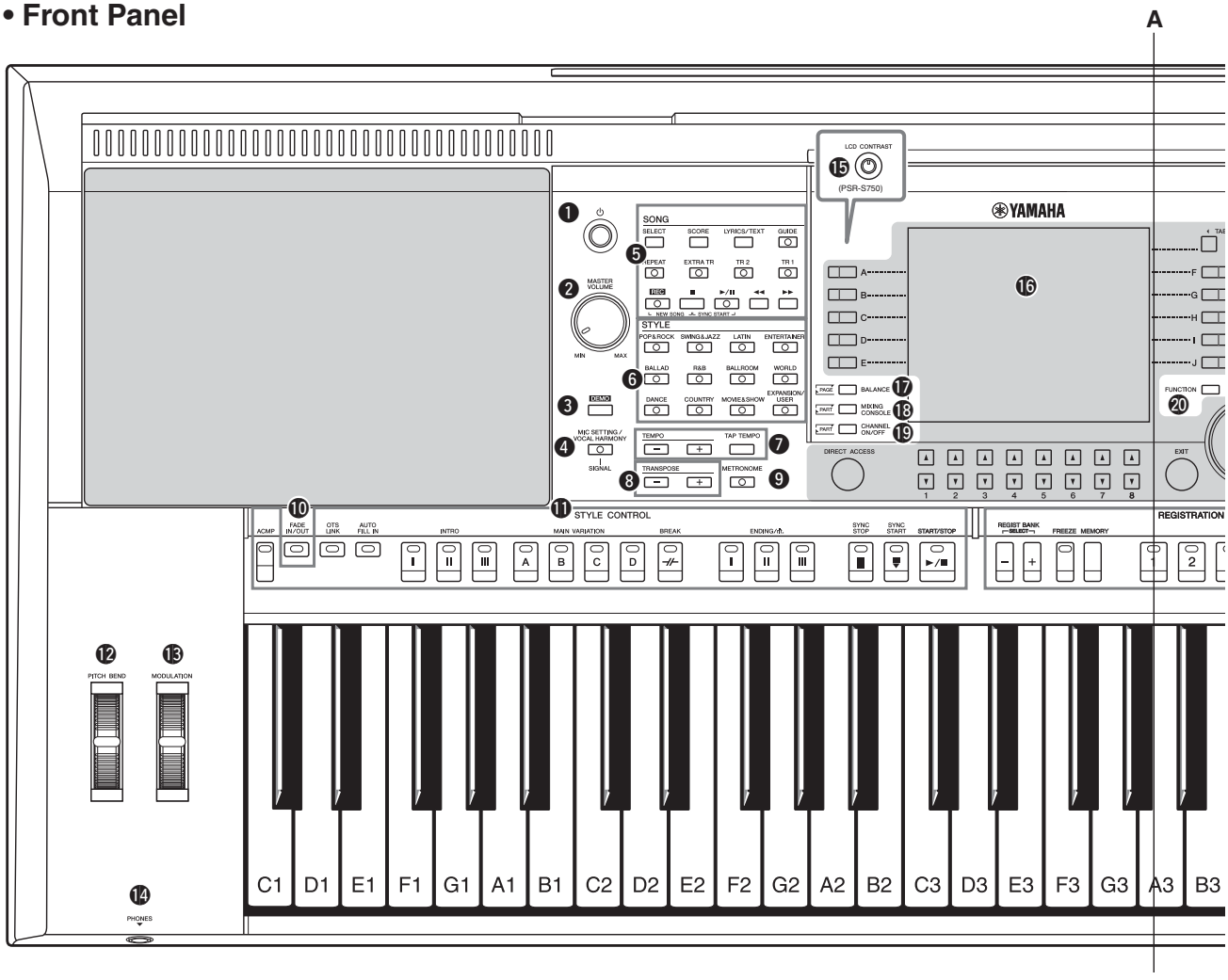
• Rear Panel



■ Rear Panel

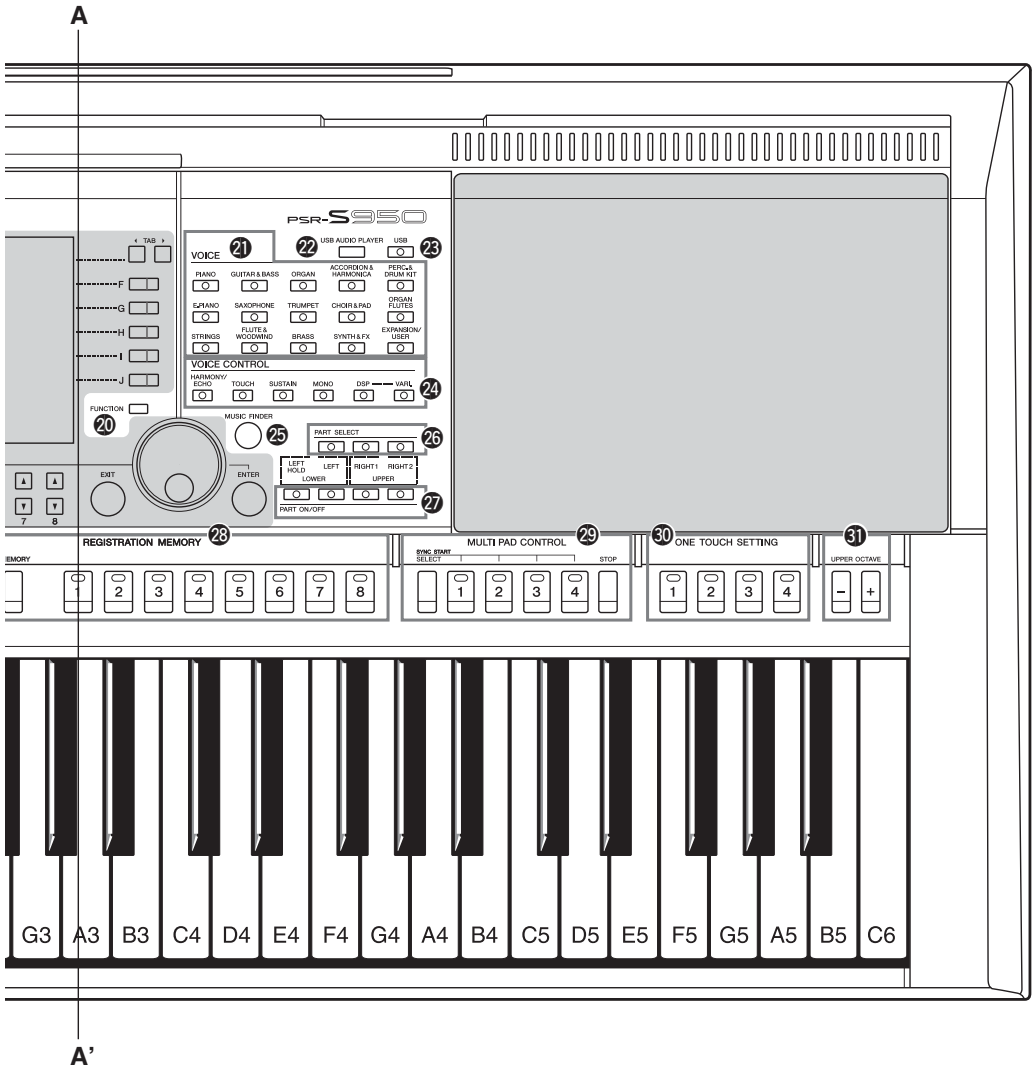
❶ DC IN jack
❷ [FOOT PEDAL] jacks
❸ OUTPUT [L/L+R]/[R] jacks
❹ [AUX IN] jack
❺ [MIC/LINE IN] jack (PSR-S950)
❻ [INPUT VOLUME] knob (PSR-S950)
❼ [MIC LINE] switch (PSR-S950)
❽ MIDI [IN]/[OUT] terminals
❾ [USB TO HOST] terminal
❿ [USB TO DEVICE] terminal
⓫ [VIDEO OUT] jack (PSR-S950)

• Front Panel



■ Front Panel

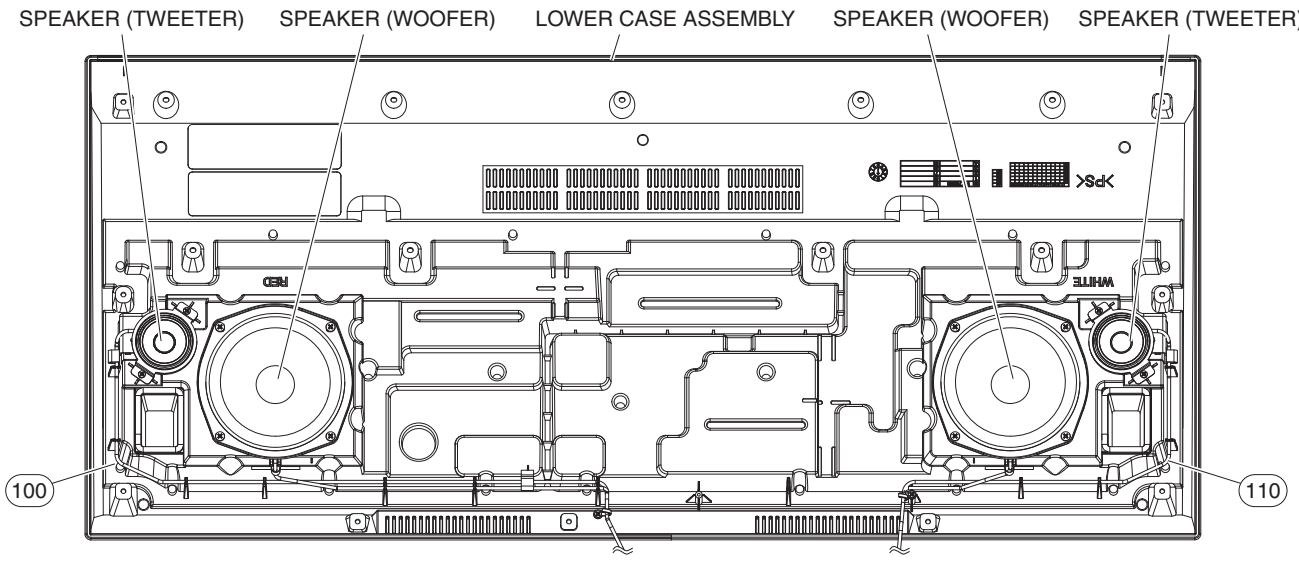
❶ [⏻] (Standby/On) switch
❷ [MASTER VOLUME] dial
❸ [DEMO] button
❹ [MIC SETTING/VOCAL HARMONY] button (PSR-S950)
❺ SONG buttons
❻ STYLE category selection buttons
❼ [TAP TEMPO]/TEMPO buttons
❽ TRANSPOSE buttons
❾ [METRONOME] button
❿ [FADE IN/OUT] button
⓫ STYLE CONTROL buttons
⓬ [PITCH BEND] wheel
⓭ [MODULATION] wheel
⓮ [PHONES] jack
⓯ [LCD CONTRAST] knob (PSR-S750)
⓰ LCD and related controls
⓱ [BALANCE] button
⓲ [MIXING CONSOLE] button
⓳ [CHANNEL ON/OFF] button
⓴ [FUNCTION] button
㉑ VOICE category selection buttons
㉒ [USB AUDIO PLAYER] button
㉓ [USB] button



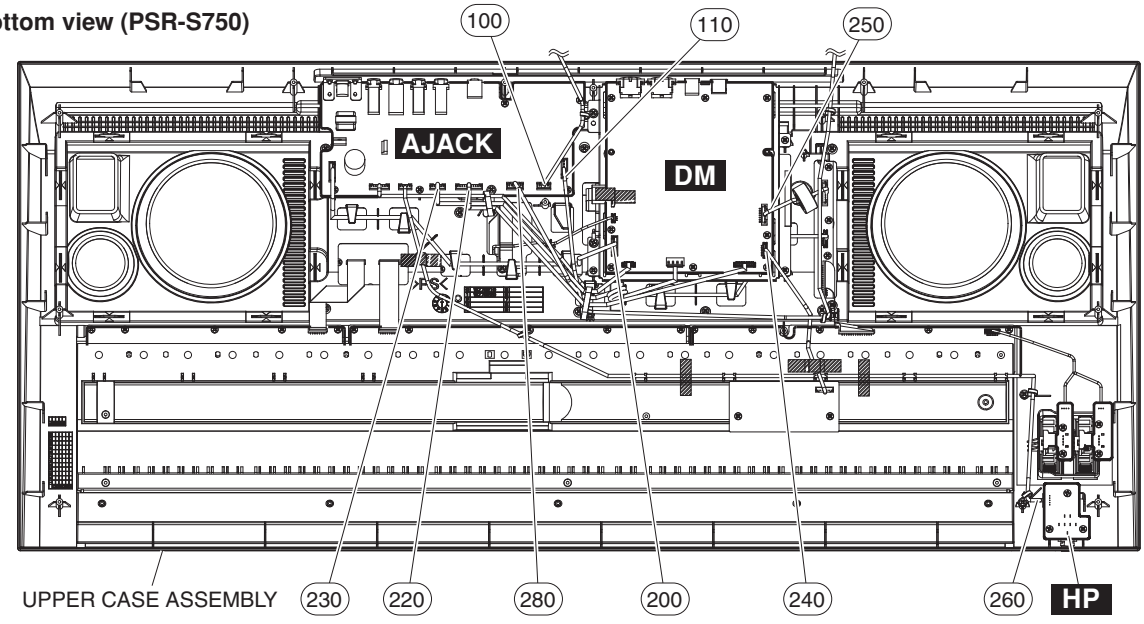
㉔ VOICE CONTROL buttons
㉕ [MUSIC FINDER] button
㉖ PART SELECT buttons
㉗ PART ON/OFF buttons
㉘ REGISTRATION MEMORY buttons
㉙ MULTI PAD CONTROL buttons
㉚ ONE TOUCH SETTING buttons
㉛ UPPER OCTAVE buttons

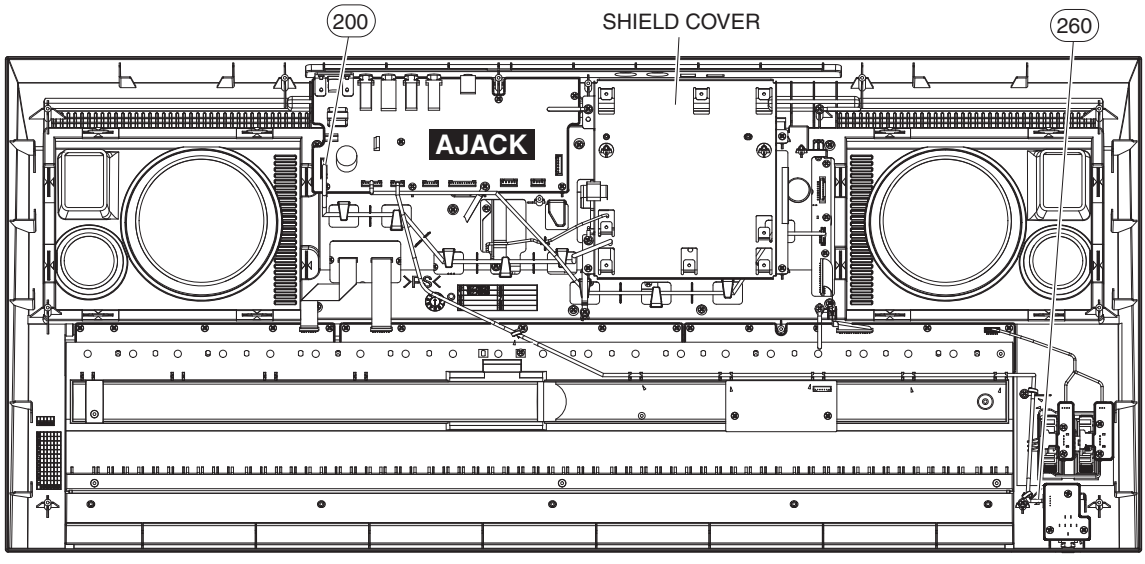
CIRCUIT BOARD LAYOUT & WIRING

• **Top view (PSR-S750)**

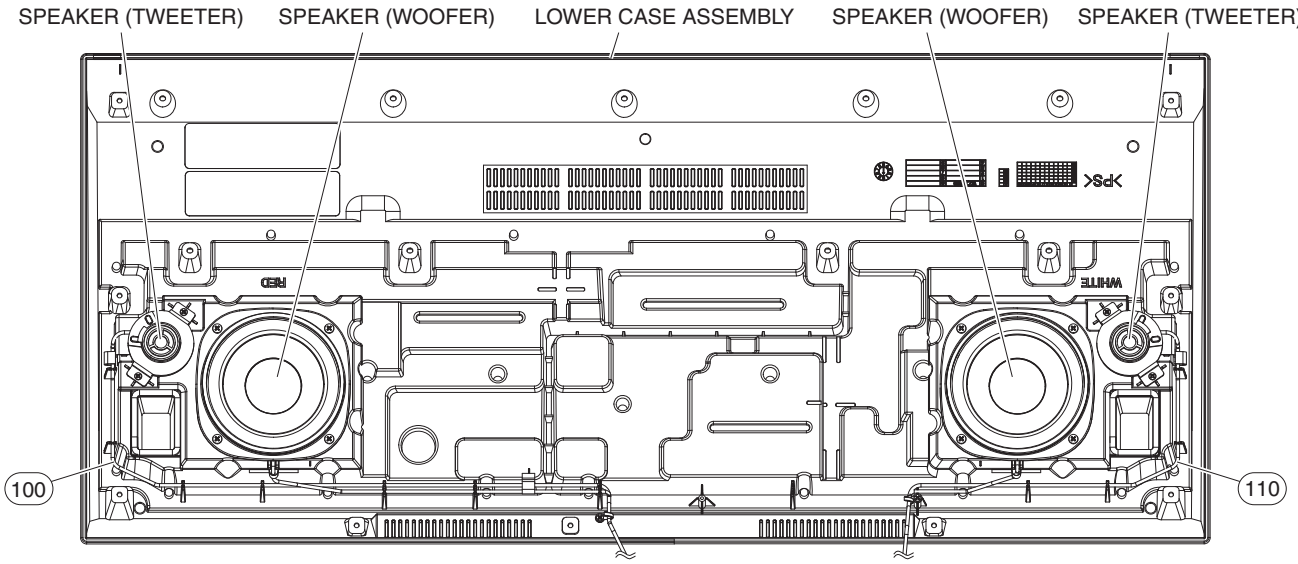


• **Bottom view (PSR-S750)**

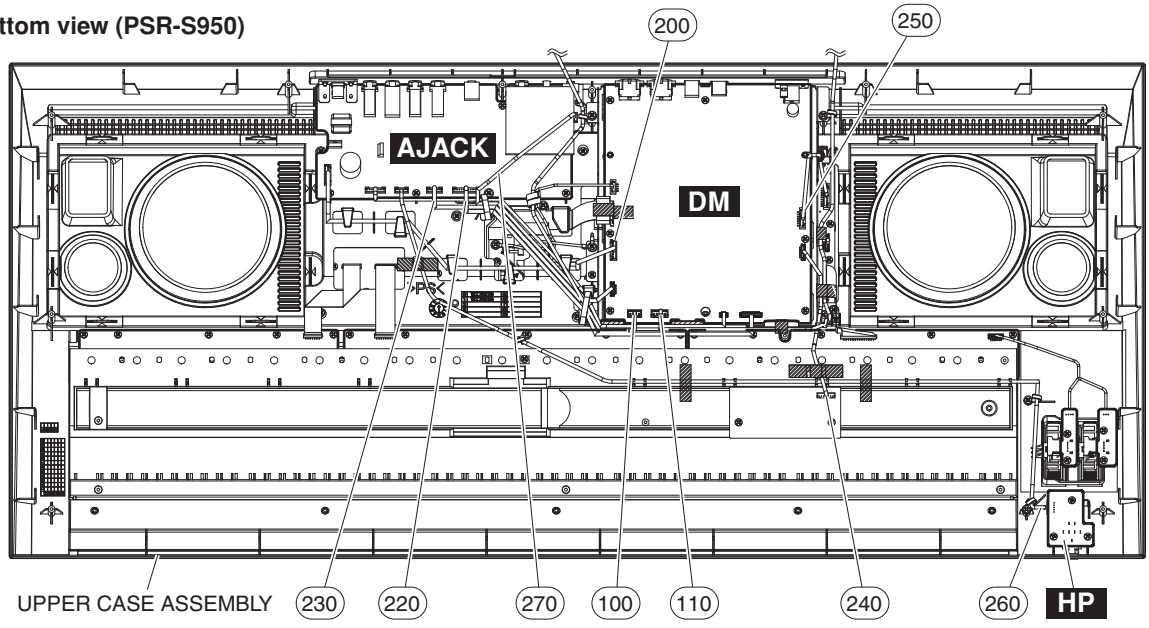


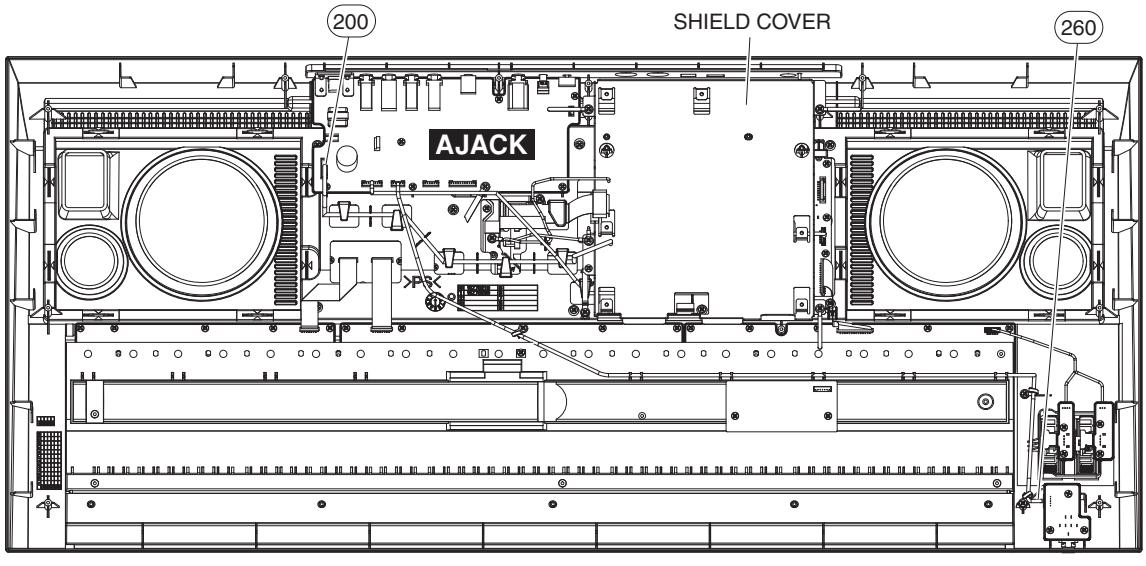


• **Top view (PSR-S950)**

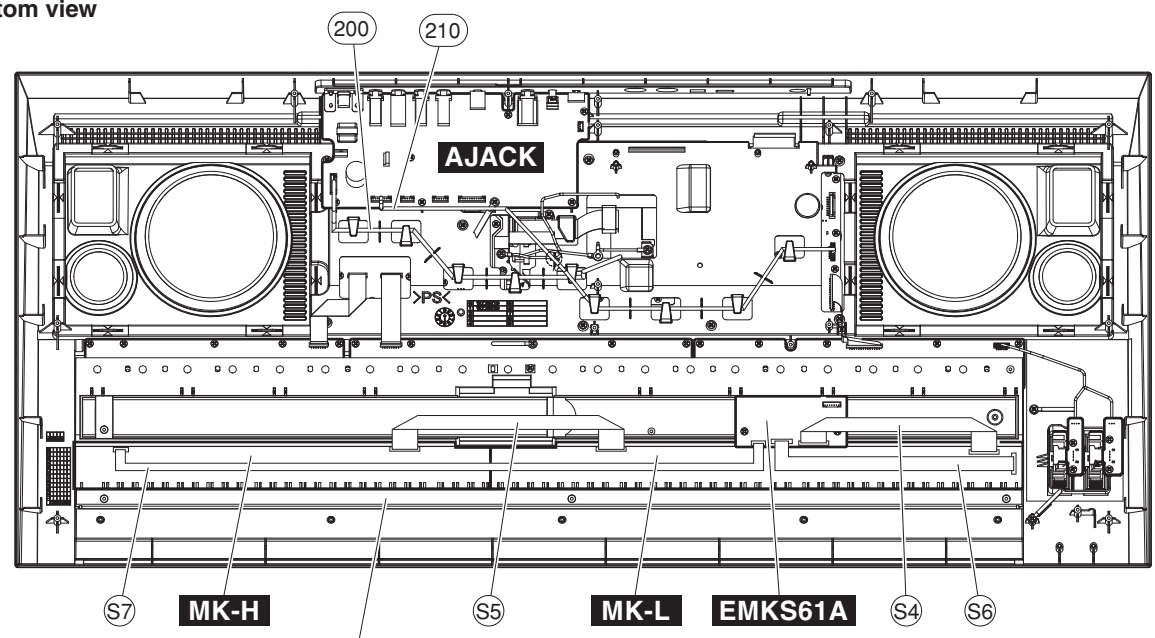


• **Bottom view (PSR-S950)**



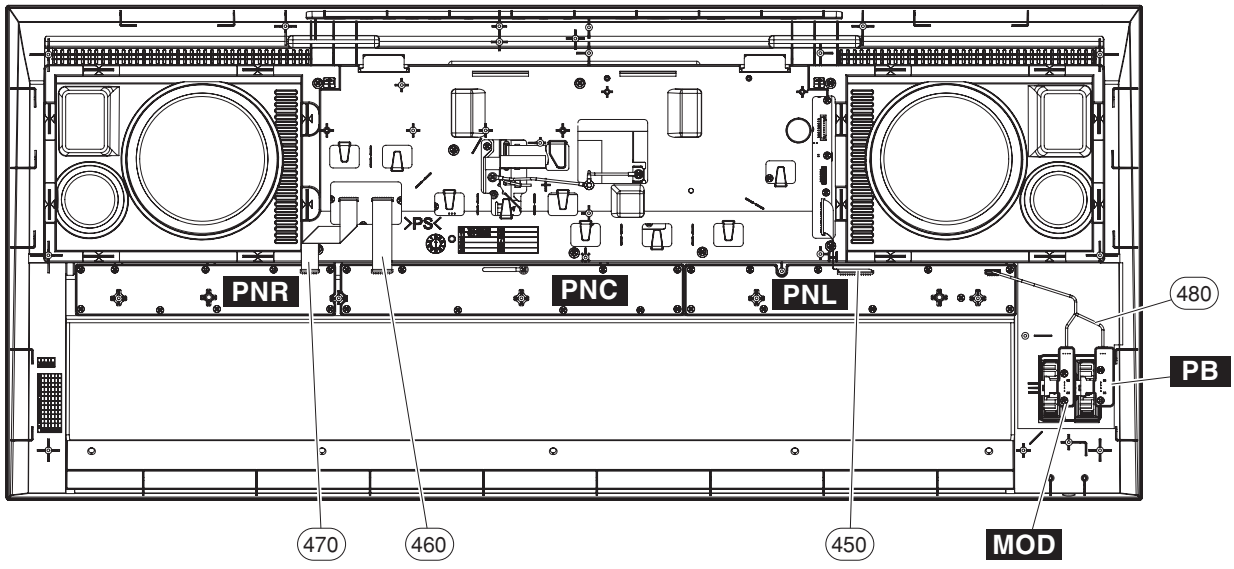


• **Bottom view**

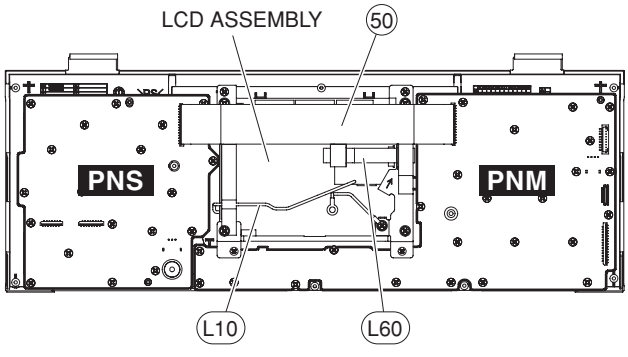


* This figure shows the PSR-S950.

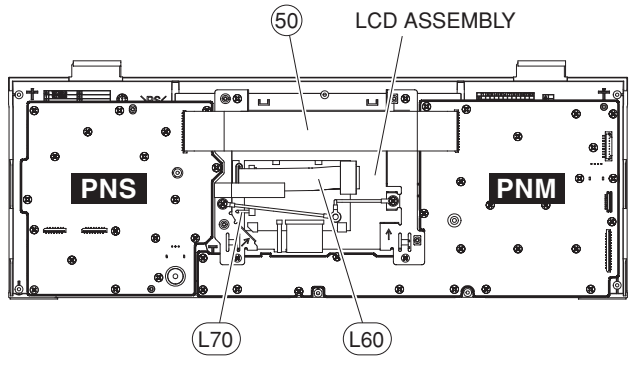
• **UPPER CASE ASSEMBLY**



• **CENTER PANEL ASSEMBLY**



* This figure shows the PSR-S750.



* This figure shows the PSR-S950.

● PSR-S750

Unit Name	Location	Parts No.	Parts Name	Connection		Remarks
OVERALL ASSEMBLY	200	(ZA57660)	Connector Assembly XH_S	DM CN500 - AJACK CN4		6P
	210	(ZA57730)	Connector Assembly PH-ZH_S	AJACK CN9 - PNM CN2		8P
	220	(ZA57680)	Connector Assembly PH-ZH_S	DM CN502 - AJACK CN2		11P
	230	(ZA57690)	Connector Assembly PH-ZH_S	DM CN501 - AJACK CN1		6P
	240	(ZA57710)	Connector Assembly PH-ZH_S	DM CN304 - EMKS61A CN1		7P
	250	(ZE57690)	Connector Assembly PH-LF_S	DM CN303 - PNM CN1		9P
	260	(ZA57760)	Connector Assembly PH_S	AJACK CN10 - HP CN200		5P
	280	(ZC82020)	Connector Assembly NET-LF_S	DM CN504 - AJACK CN6		VH4P/XH5P
UPPER CASE ASSEMBLY	450	(ZA58150)	Wiring Assembly FFC_S	PNM CN3 - PNL CN1		29P-130
	460	(ZA58160)	Wiring Assembly FFC_S	PNS CN6 - PNC CN4		16P-90
	470	(ZE58980)	Wiring Assembly FFC_PN	PNS CN8 - PNR CN11		14P-115
	480	(ZA57890)	Connector Assembly PBMOD_S	PNL CN3	- PB CN300	4P/3P
					- MOD CN301	
CENTER PANEL ASSEMBLY	50	(ZA58140)	Wiring Assembly FFC_S	PNM CN4 - PNS CN7		29P-230
	L10	WR339600	LCD	DM CN3 - LCD		
	L60	(ZA58130)	Wiring Assembly FFC_S_FL	DM CN2 - LCD		20P-150
LOWER CASE ASSEMBLY	100	(ZA58090)	Connector Assembly SPR_S	AJACK CN8-SP Rch (Wo, Tw)		4P
	110	(ZA58100)	Connector Assembly SPL_S	AJACK CN7-SP Lch (Wo, Tw)		5P
KEYBOARD ASSEMBLY	S4	VU95890R	Cable	EMKS61A CN2 - MK-L		12P L=190
	S5	VU65950R	Cable	MK-M - MK-L		12P
	S6	VU65940R	Cable	EMKS61A CN4 - MK-L		7P
	S7	VU65960R	Cable	EMKS61A CN3 - MK-H		5P

● PSR-S950

Unit Name	Location	Parts No.	Parts Name	Connection		Remarks
OVERALL ASSEMBLY	200	(ZA57660)	Connector Assembly XH_S	DM CN901 - AJACK CN4		6P
	210	(ZA57730)	Connector Assembly PH-ZH_S	AJACK CN9 - PNM CN2		8P
	220	(ZA57680)	Connector Assembly PH-ZH_S	DM CN801 - AJACK CN2		11P
	230	(ZA57690)	Connector Assembly PH-ZH_S	DM CN3 - AJACK CN1		6P
	240	(ZA57710)	Connector Assembly PH-ZH_S	DM CN602 - EMKS61A CN1		7P
	250	(ZA57740)	Connector Assembly EBUS_S	DM CN601 - PNM CN1		9P/7P
	260	(ZA57760)	Connector Assembly PH_S	AJACK CN10 - HP CN200		5P
	270	(ZA57700)	Connector Assembly PH-ZH_S	DM CN802 - AJACK CN3		3P
UPPER CASE ASSEMBLY	450	(ZA58150)	Wiring Assembly FFC_S	PNM CN3 - PNL CN1		29P-130
	460	(ZA58160)	Wiring Assembly FFC_S	PNS CN6 - PNC CN4		16P-90
	470	(ZE58980)	Wiring Assembly FFC_PN	PNS CN8 - PNR CN11		14P-115
	480	(ZA57890)	Connector Assembly PBMOD_S	PNL CN3	- PB CN300	4P/3P
					- MOD CN301	
CENTER PANEL ASSEMBLY	50	(ZA58140)	Wiring Assembly FFC_S	PNM CN4 - PNS CN7		29P-230
	L60	(ZA58120)	Wiring Assembly FFC_S_FL	DM CN401 - LCD		33P-145
	L70	(ZA57880)	Connector Assembly LCD-BL_S	DM CN904 - LCD		4P
LOWER CASE ASSEMBLY	100	(ZA58080)	Connector Assembly SPR_S	DM CN903-SP Rch (Wo, Tw)		4P
	110	(ZA58110)	Connector Assembly SPL_S	DM CN902-SP Lch (Wo, Tw)		5P
KEYBOARD ASSEMBLY	S4	VU95890R	Cable	EMKS61A CN2 - MK-L		12P L=190
	S5	VU65950R	Cable	MK-M - MK-L		12P
	S6	VU65940R	Cable	EMKS61A CN4 - MK-L		7P
	S7	VU65960R	Cable	EMKS61A CN3 - MK-H		5P

* The parts with "( )" in "**Part No.**" are not available as spare parts.

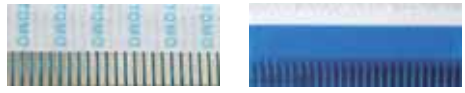
Caution: Be sure to attach the removed filament tape just as it was before removal.

DISASSEMBLY PROCEDURE

Precautions

* **Disassembly or assembly should be performed on a cloth so as not to damage the LCD.**
* **Install the filament tape and the harness clamp in the same way as they were before removal.**

* **Notes on Flat Cable**
  Contacts are visible from the back. Pay attention not to insert and install the cable to the connector inversely. (Photo 1)



Front Side Back Side

Photo 1

1. Bottom Board Assembly

(Time required: About 4 minutes)

Remove the twenty-two (22) screws marked [450]. The bottom board assembly can then be removed. (Fig. 1)

2. Lower Case Assembly

(Time required: About 4 minutes)

Remove the nine (9) screws marked [400], the five (5) screws marked [410] and the four (4) screws marked [420A]. The lower case assembly can then be removed. (Fig. 2)

<Bottom view>

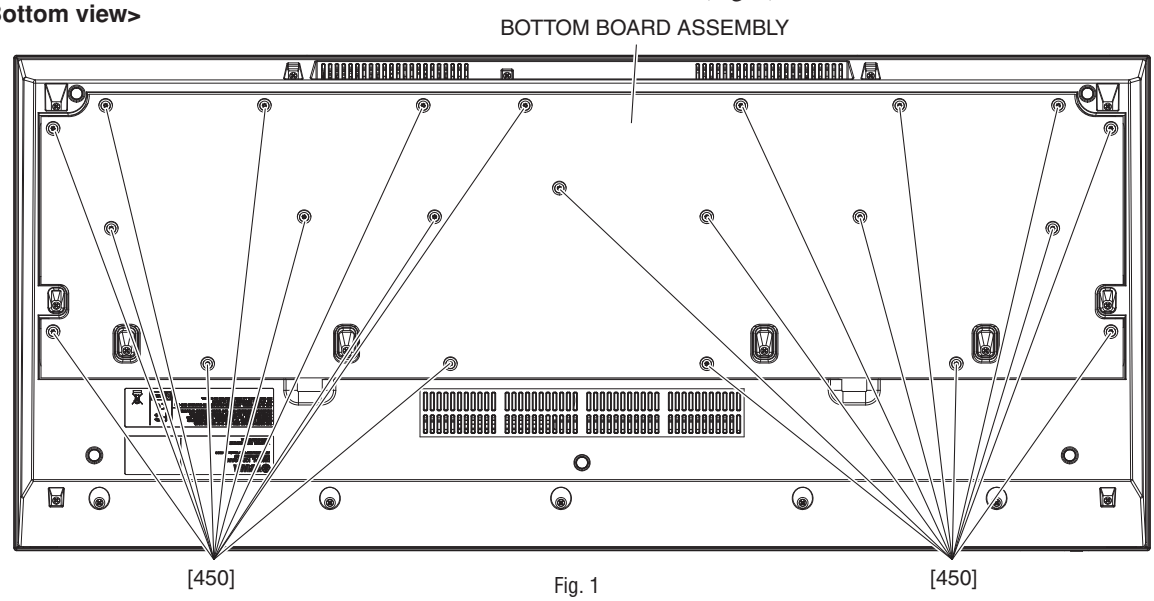


Fig. 1

<Bottom view>

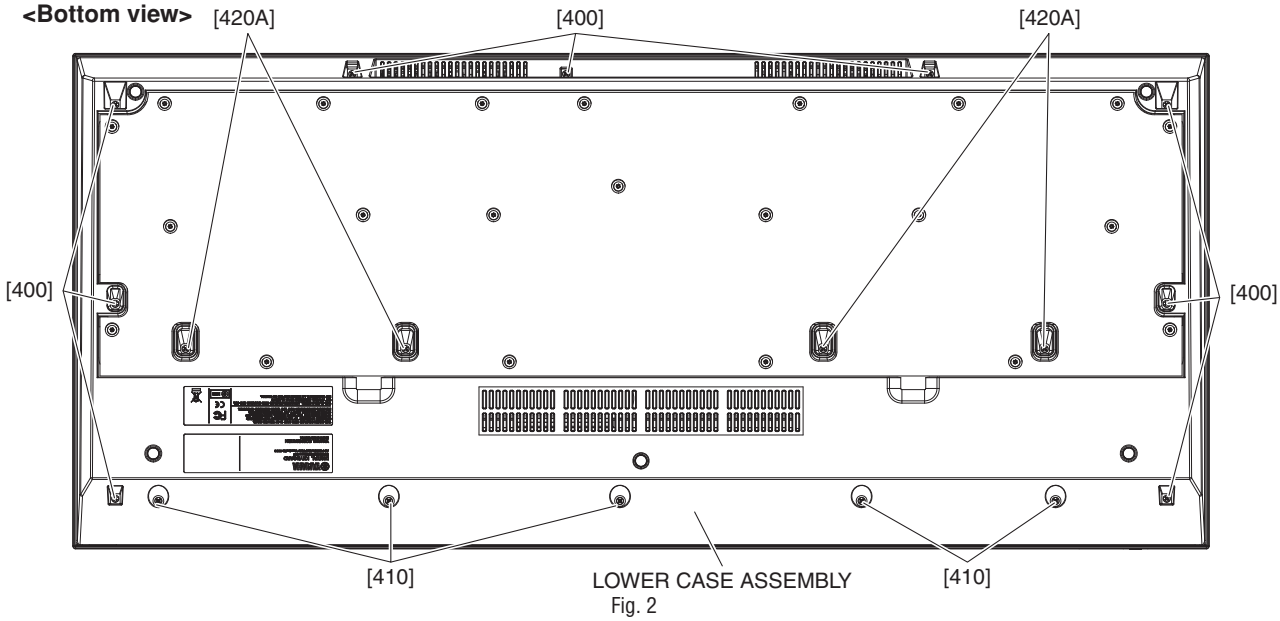


Fig. 2

3. HP Circuit Board

(Time required: About 4 minutes)

3-1. Remove the lower case assembly. (See procedure 2.)

3-2. Remove the three (3) screws marked [430A]. The HP circuit board can then be removed. (Fig. 3)

4. Wheel Assembly, PB Circuit Board

(Time required: About 4 minutes)

4-1. Remove the lower case assembly. (See procedure 2.)

4-2. Remove the two (2) screws marked [500A]. The PB circuit board can then be removed with the wheel assembly. (Fig. 3)

* ***The wheel assembly is not part of the PB circuit board. When replacing the PB circuit board, remove the wheel assembly from the PB circuit board, and install it on the new circuit board.***

5. Wheel, MOD Circuit Board

(Time required: About 4 minutes)

5-1. Remove the lower case assembly. (See procedure 2.)

5-2. Remove the two (2) screws marked [500B]. The MOD circuit board can then be removed with the wheel. (Fig. 3)

* ***The wheel is not part of the MOD circuit board. When replacing the MOD circuit board, remove the wheel from the MOD circuit board, and install it on the new circuit board.***

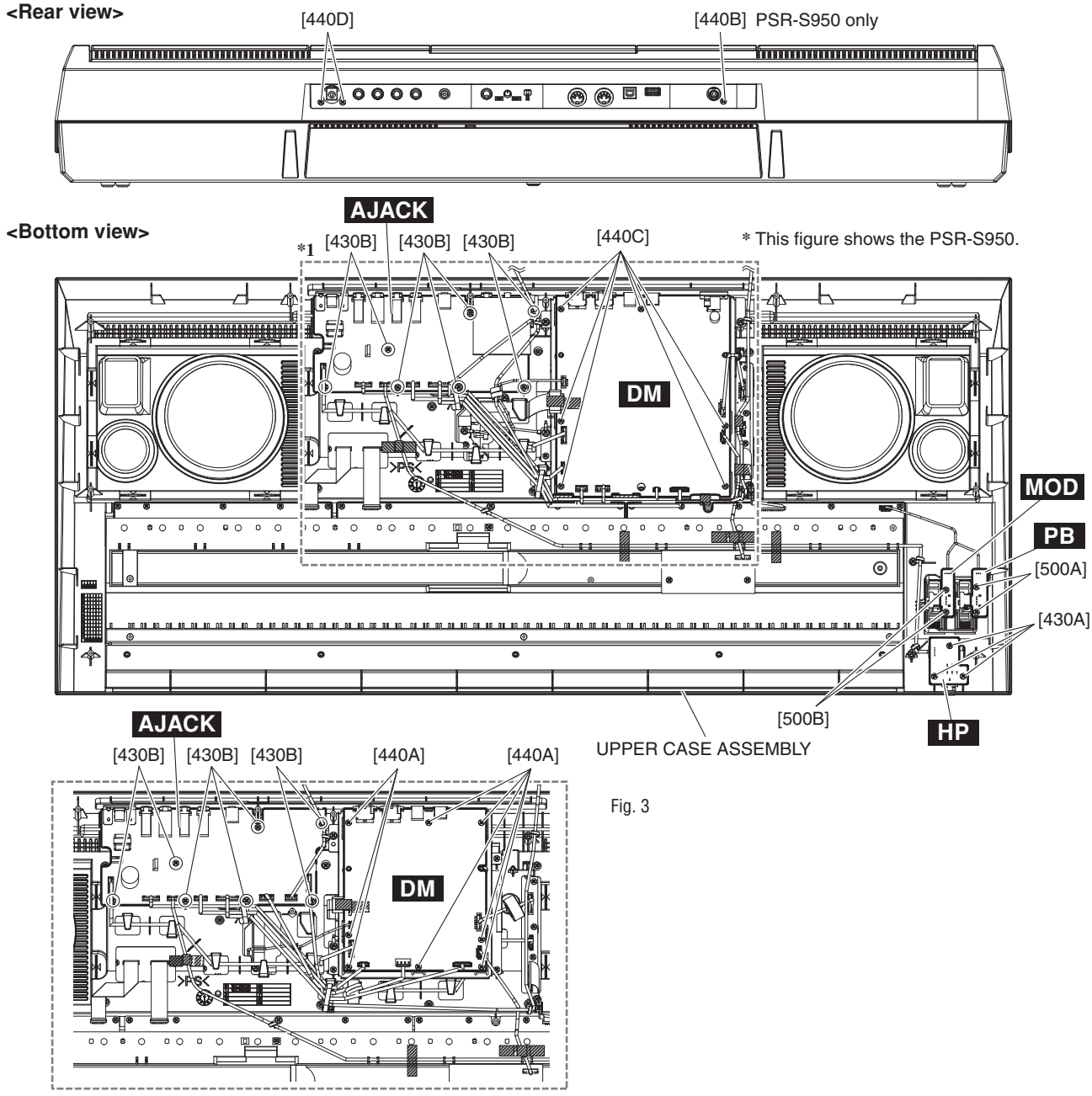


Fig. 3

*1: This figure shows the PSR-S750.

6. DM Circuit Board

(Time required: About 5 minutes)

6-1. Remove the lower case assembly. (See procedure 2.)

6-2. PSR-S750: Remove the eight (8) screws marked [440A]. The DM circuit board can then be removed. (Fig. 3)

6-3. PSR-S950: Remove the screw marked [440B] on the rear and the six (6) screws marked [440C]. The DM circuit board can then be removed. (Fig. 3)

7. AJACK Circuit Board

(Time required: About 5 minutes)

7-1. Remove the lower case assembly. (See procedure 2.)

7-2. Remove the two (2) screws marked [440D] on the rear and the seven (7) screws marked [430B]. The AJACK circuit board can then be removed. (Fig. 3)

8. Center Panel Assembly

(Time required: About 6 minutes)

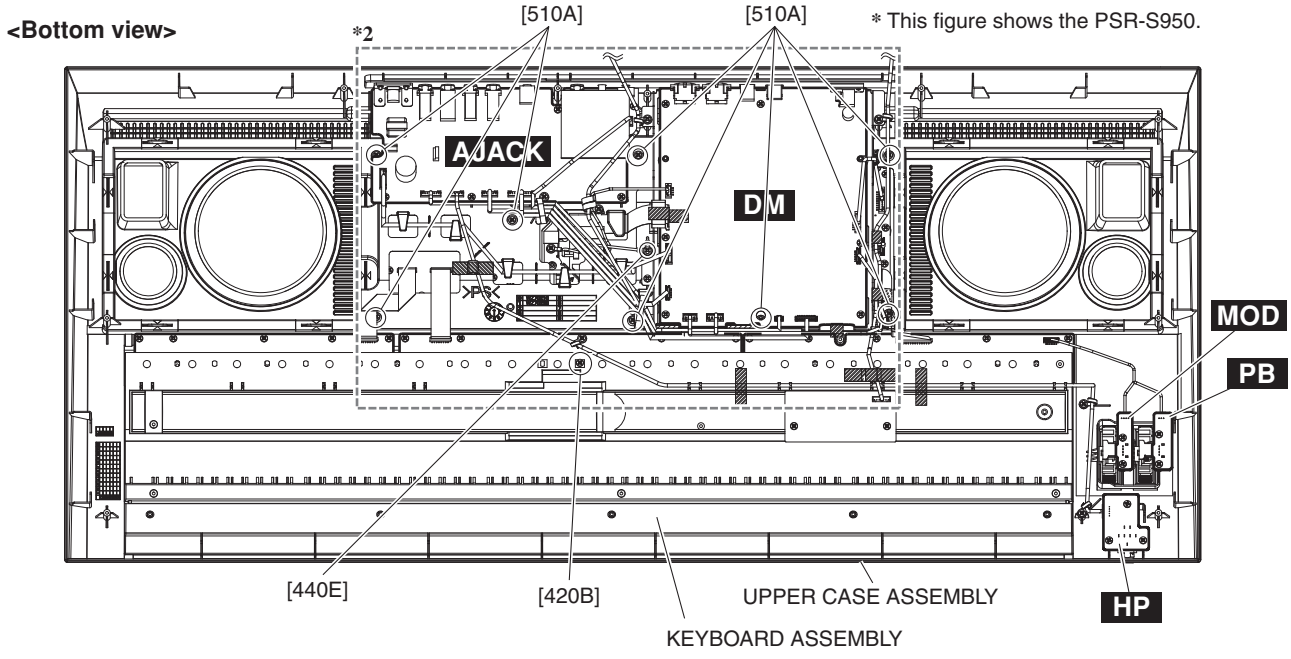
8-1. Remove the lower case assembly. (See procedure 2.)

8-2. Remove the screw marked [440E] and the eight (8) screws marked [510A]. (Fig. 4)

8-3. Remove the encoder knob. (Fig. 5)

8-4. Remove the screw marked [510B]. The center panel assembly can then be removed. (Fig. 5)

* ***When installing the center panel assembly, fit claws of the center panel into the holes in the upper case and install the center panel in the arrow direction. (Fig. 6)***



*2: This figure shows the PSR-S750.

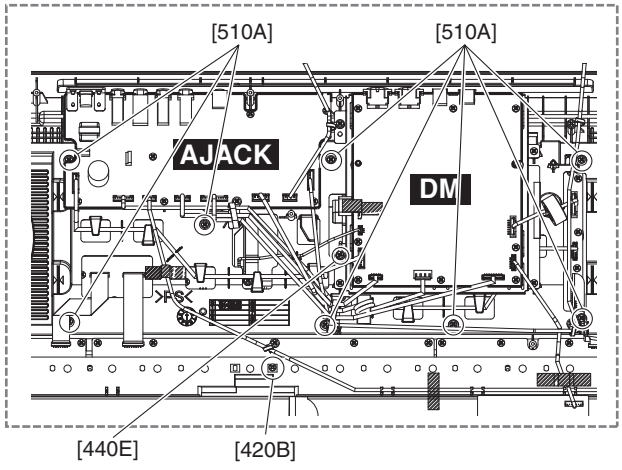
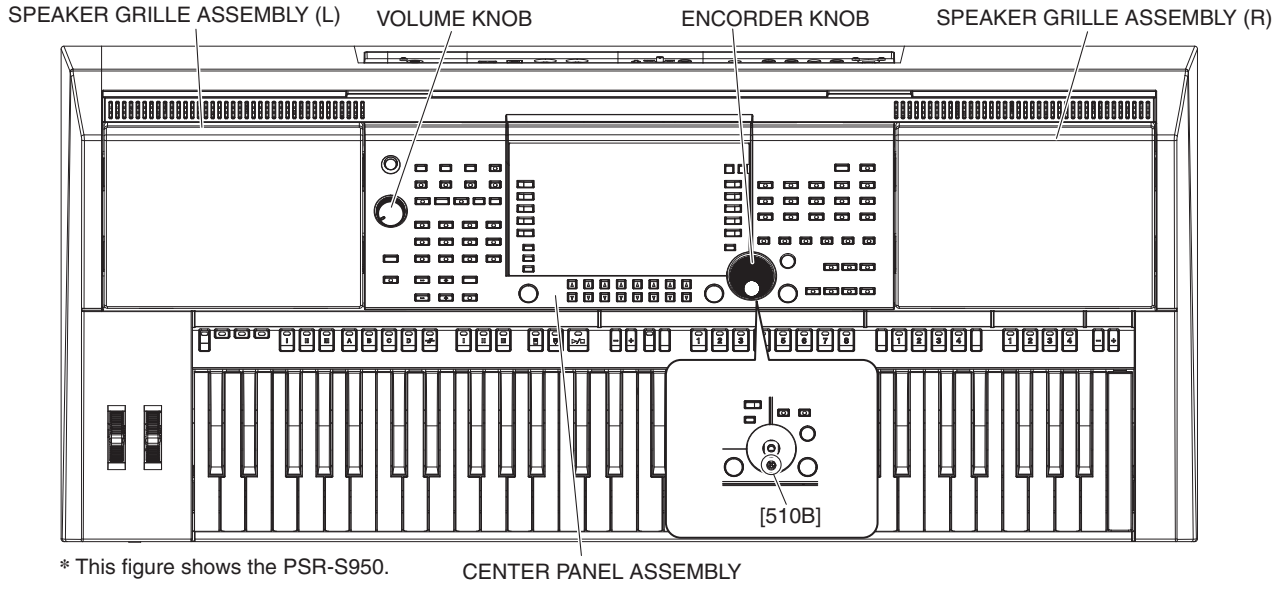


Fig. 4

<Top view>



* This figure shows the PSR-S950.

Fig. 5

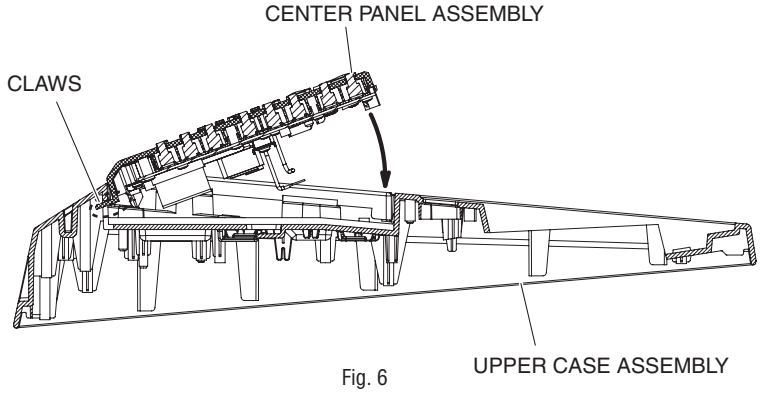


Fig. 6

● **CENTER PANEL ASSEMBLY (PSR-S750)**

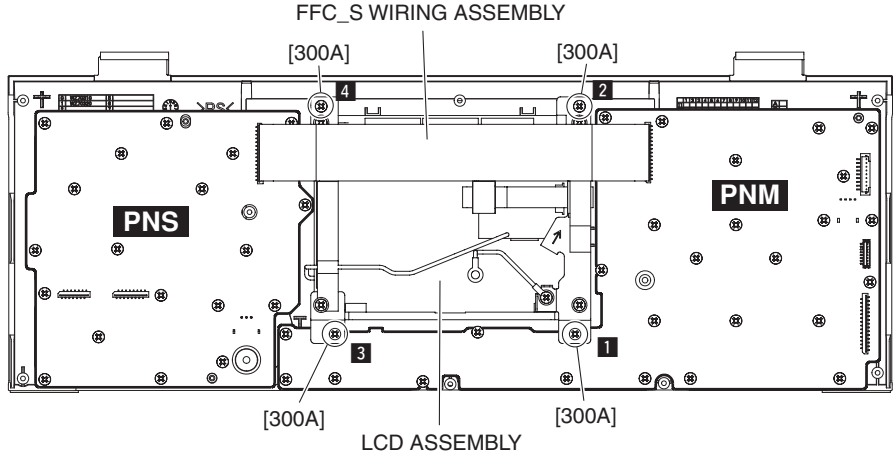


Fig. 7

● **CENTER PANEL ASSEMBLY (PSR-S950)**

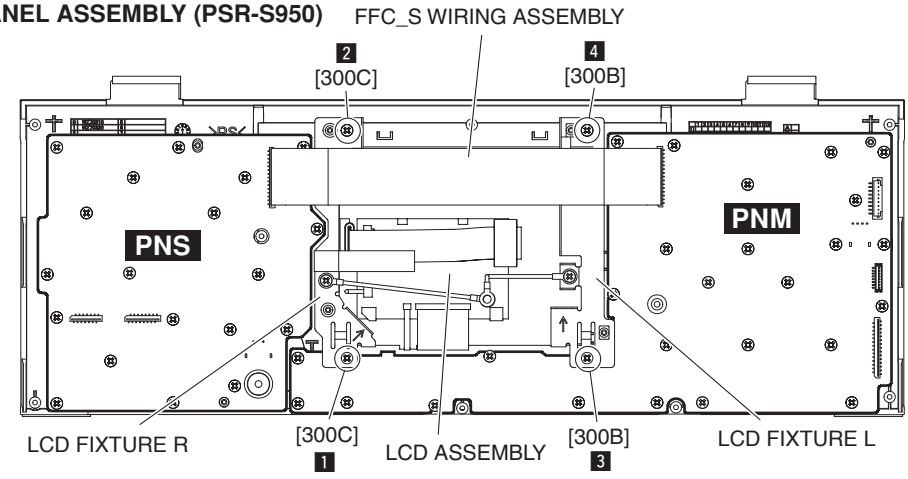


Fig. 8

9. Crystal Display (PSR-S750)

(Time required: About 7 minutes)

9-1. Remove the lower case assembly. (See procedure 2.)
9-2. Remove the center panel assembly. (See procedure 8.)
9-3. Remove the FFC_S wiring assembly. (Fig. 7)
9-4. Remove the four (4) screws marked [300A]. The LCD assembly can then be removed. (Fig. 7)

* ***When installing the LCD assembly, tighten screws in the order of 1 to 4 as shown in Fig. 7.***

9-5. Remove the two (2) screws marked [L40A]. The LCD fixture L can then be removed. (Fig. 9)

* ***When installing the LCD fixture L, tighten screws in the order of 1 and 2 as shown in Fig. 9.***

9-6. Remove the two (2) screws marked [L40B]. The LCD fixture R can then be removed. (Fig. 9)

* ***When installing the LCD fixture R, tighten screws in the order of 1 and 2 as shown in Fig. 9.***

9-7. Remove the sponge. (Fig. 9)

* ***The sponge is not part of the crystal display. When replacing the crystal display, remove the sponge from the crystal display, and install it on the new crystal display.***

10. Crystal Display (PSR-S950)

(Time required: About 7 minutes)

10-1. Remove the lower case assembly. (See procedure 2.)
10-2. Remove the center panel assembly. (See procedure 8.)
10-3. Remove the FFC_S wiring assembly. (Fig. 8)
10-4. Remove the two (2) screws marked [300B]. The LCD fixture L can then be removed. (Fig. 8)
10-5. Remove the two (2) screws marked [300C]. The LCD fixture R can then be removed. (Fig. 8)

* ***When installing the LCD fixture, tighten screws while pushing it in the arrow direction.***

* ***When installing the LCD fixture, tighten screws in the order of 1 to 4 as shown in Fig. 8.***

10-6. Remove the crystal display.
10-7. Remove the FFC_S_LF wiring assembly and the FFC_S_B wiring assembly. (Fig. 10)

● **LCD ASSEMBLY (PSR-S750)**

<Bottom view>

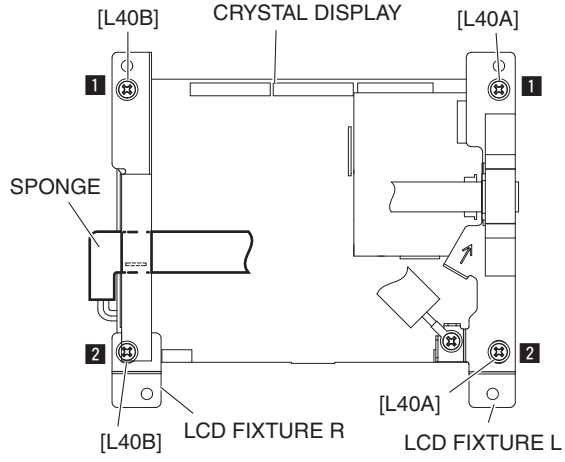


Fig. 9

● **LCD ASSEMBLY (PSR-S950)**

<Bottom view>

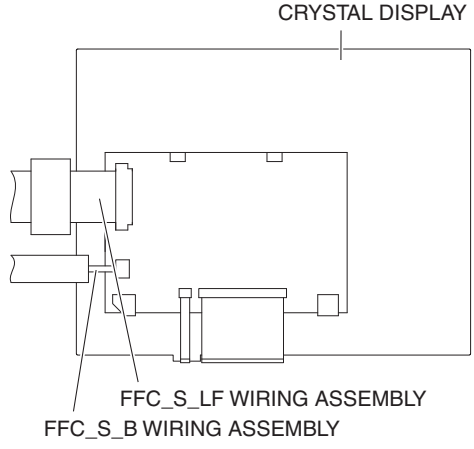


Fig. 10

11. PNS Circuit Board

(Time required: About 9 minutes)

11-1. Remove the lower case assembly. (See procedure 2.)
11-2. Remove the center panel assembly. (See procedure 8.)
11-3. Remove the FFC_S wiring assembly. (Fig. 7, Fig. 8)
11-4. Remove the nineteen (19) screws marked [300D]. The PNS circuit board can then be removed. (Fig. 11)

* ***When installing the PNS circuit board, fit the PNS circuit board to the positioning pins at 2 locations shown in Fig. 11 first, tighten the screws 1 and 2 in that order and then tighten the other screws.***

12. PNM Circuit Board (PSR-S750)

(Time required: About 10 minutes)

12-1. Remove the lower case assembly. (See procedure 2.)
12-2. Remove the center panel assembly. (See procedure 8.)
12-3. Remove the FFC_S wiring assembly. (Fig. 7)
12-4. Remove the LCD assembly. (See procedure 9-4.)
12-5. Remove the twenty-seven (27) screws marked [300E]. The PNM circuit board can then be removed. (Fig. 11)

* ***When installing the PNM circuit board, apply the PNM circuit board to the positioning marks at 3 locations shown in Fig. 11 first, tighten the screws 1 and 2 in that order and then tighten the other screws.***

13. PNM Circuit Board (PSR-S950)

(Time required: About 10 minutes)

13-1. Remove the lower case assembly. (See procedure 2.)
13-2. Remove the center panel assembly. (See procedure 8.)
13-3. Remove the FFC_S wiring assembly. (Fig. 8)
13-4. Remove the LCD fixture L. (See procedure 10-4.)
13-5. Remove the LCD fixture R. (See procedure 10-5.)
13-6. Remove the twenty-seven (27) screws marked [300E]. The PNM circuit board can then be removed. (Fig. 11)

* ***When installing the PNM circuit board, apply the PNM circuit board to the positioning marks at 3 locations shown in Fig. 11 first, tighten the screws 1 and 2 in that order and then tighten the other screws.***

14. Keyboard Assembly

(Time required: About 4 minutes)

14-1. Remove the lower case assembly. (See procedure 2.)
14-2. Remove the screw marked [420B]. The keyboard assembly can then be removed. (Fig. 4)

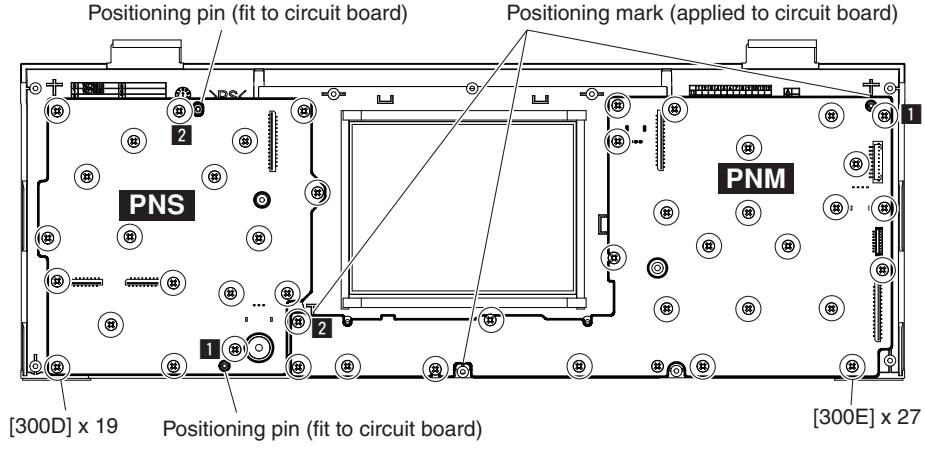


Fig. 11

15. PNL Circuit Board

(Time required: About 5 minutes)

15-1. Remove the lower case assembly. (See procedure 2.)
15-2. Remove the keyboard assembly. (See procedure 14.)
15-3. Remove the ten (10) screws marked [500C]. The PNL circuit board can then be removed. (Fig. 12)

* ***When installing the PNL circuit board, tighten the screws 1 and 2 shown in Fig. 12 in numerical order and then tighten the other screws.***

16. PNC Circuit Board

(Time required: About 5 minutes)

16-1. Remove the lower case assembly. (See procedure 2.)
16-2. Remove the keyboard assembly. (See procedure 14.)
16-3. Remove the ten (10) screws marked [500D]. The PNC circuit board can then be removed. (Fig. 12)

* ***When installing the PNC circuit board, tighten the screws 1 and 2 shown in Fig. 12 in numerical order and then tighten the other screws.***

17. PNR Circuit Board

(Time required: About 5 minutes)

17-1. Remove the lower case assembly. (See procedure 2.)
17-2. Remove the keyboard assembly. (See procedure 14.)
17-3. Remove the nine (9) screws marked [500E]. The PNR circuit board can then be removed. (Fig. 12)

* ***When installing the PNR circuit board, tighten the screws 1 and 2 shown in Fig. 12 in numerical order and then tighten the other screws.***

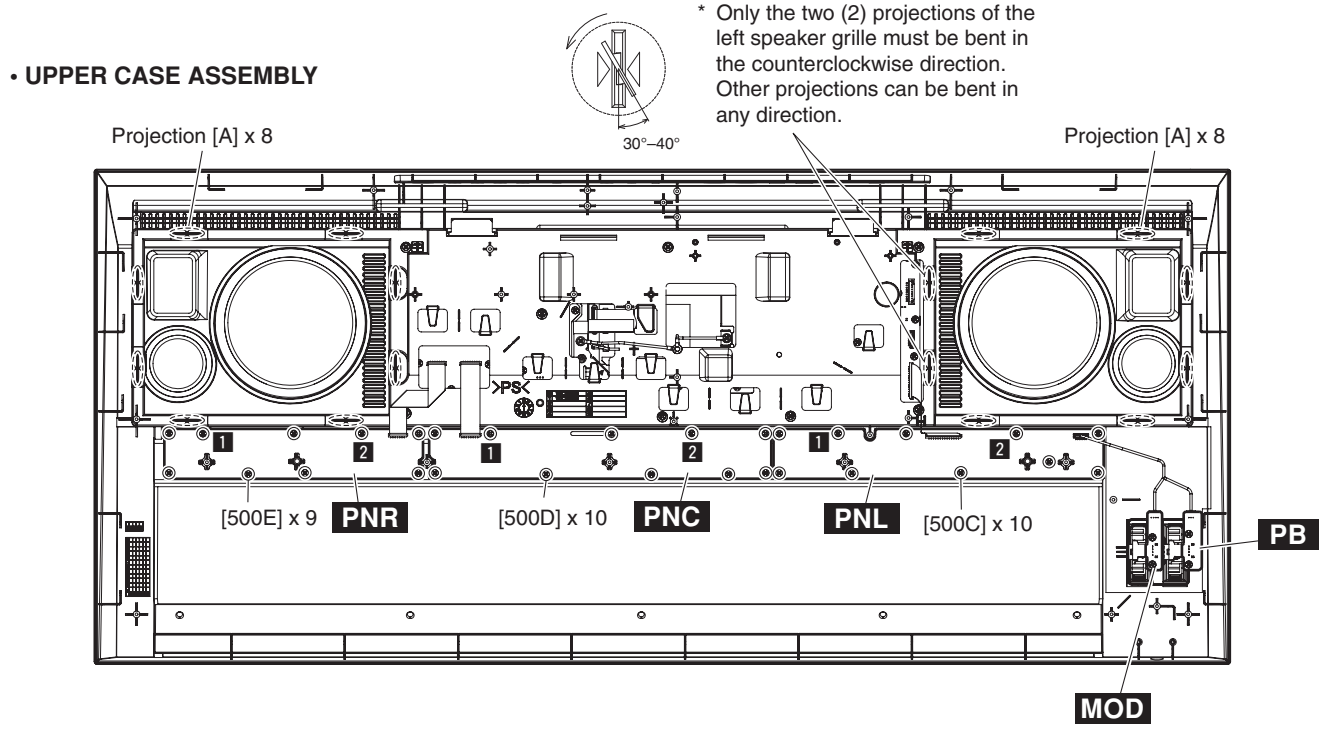


Fig. 12

18. Tweeter

(Time required: About 4 minutes)

18-1. Remove the lower case assembly. (See procedure 2.)

18-2. Remove the two (2) screws marked [210]. The tweeter can then be removed. (Fig. 13)

* ***The left and right tweeters can be removed in the same method.***

19. Woofer

(Time required: About 4 minutes)

19-1. Remove the lower case assembly. (See procedure 2.)

19-2. Remove the four (4) screws marked [200]. The woofer can then be removed. (Fig. 13)

* ***The left and right woofers can be removed in the same method.***

20. Speaker Grille Assembly

(Time required: About 5 minutes)

20-1. Remove the lower case assembly. (See procedure 2.)

20-2. Restraighten the eight (8) projections marked [A] to come off the slots of the upper case assembly. (Fig. 12)

20-3. Remove the speaker grille assembly. (Fig. 5)

* ***The left and right speaker grille assembly can be removed in the same method.***

* ***Only the two (2) projections of the left SP grille must be bent in the counterclockwise direction. Other claws can be bent in any direction.***

• Top view

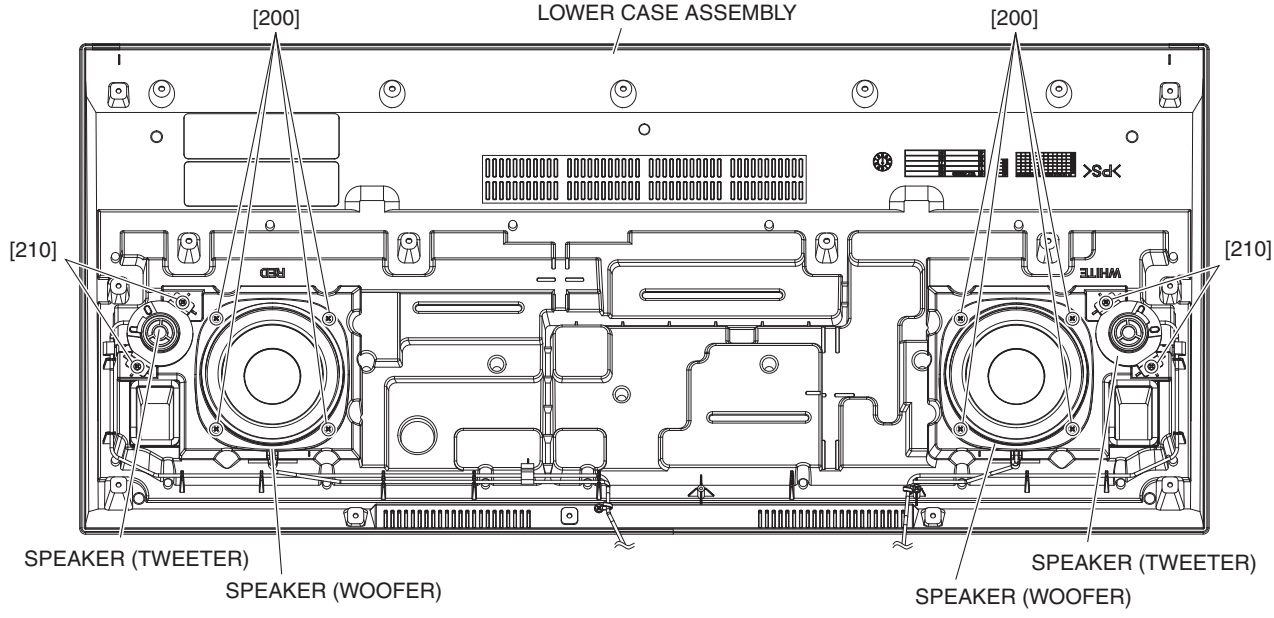


Fig. 13

21. Disassembling the Keyboard Assembly

21-1. Remove the lower case assembly. (See procedure 2.)
21-2. Remove the keyboard assembly. (See procedure 14.)

21-3. **EMKS61A Circuit Board**
(Time required: About 5 minutes)
21-3-1. Remove the two (2) screws marked [30]. The EMKS61A circuit board can then be removed. (Fig. 14)

21-4. **MK-L Circuit Board**
(Time required: About 6 minutes)
21-4-1. Remove the EMKS61A circuit board. (See procedure 21-3.)
21-4-2. Remove the MK-L circuit board while pressing the eight (8) hooks A in the direction of the arrow. (Fig. 15)

21-5. **MK-H Circuit Board**
(Time required: About 6 minutes)
21-5-1. Remove the MK-H circuit board while pressing the seven (7) hooks A in the direction of the arrow. (Fig. 15)

21-6. **Rubber Contact**
21-6-1. Remove the rubber contact. (Fig. 15) (Photo 2)

21-7. **White and Black Keys**
21-8. Remove the twenty-one (21) screws marked [140K], then remove the black keys from the lower notes. (Fig. 16)
21-8-1. Remove the white keys DFA and C'. (Fig. 16)
21-8-2. Remove the while keys CEGB from the higher notes. (Fig. 16)

* ***Lift the front portion of the keys and slide them towards you. The keys can then be removed from the assembly.***

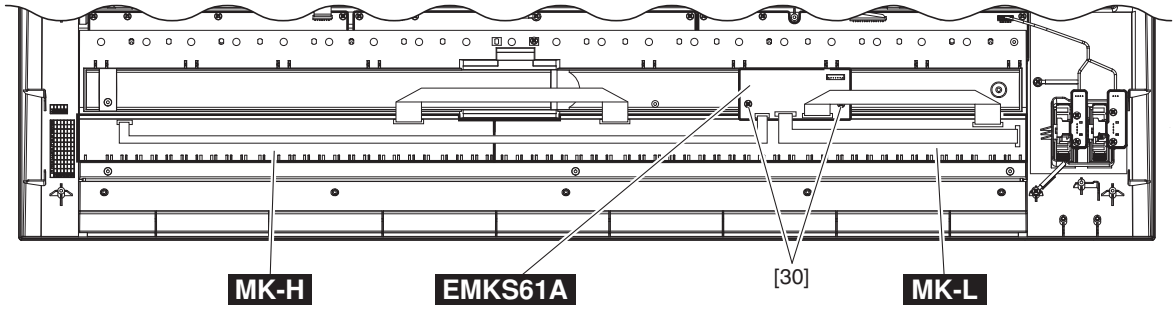


Fig. 14

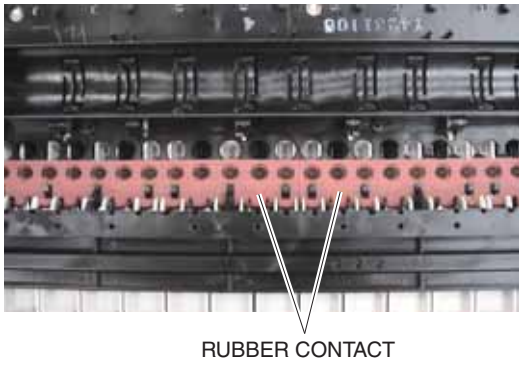


Photo 2

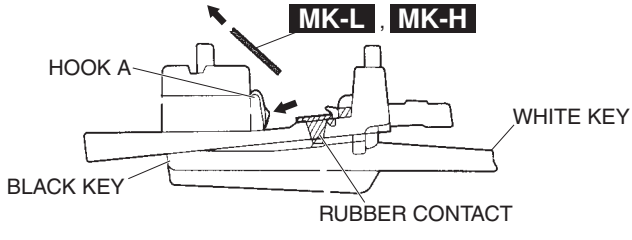


Fig. 15

22. Assembling the Keyboard Assembly

22-1. Install the white keys CEGB from the lower notes. (Fig. 16)

22-2. Install the white keys DFA and C'. (Fig. 16)

22-3. Install the black keys from the higher notes, and tighten the twenty-one (21) screws marked [140K]. (Fig. 16)

* ***To install the white and black keys, insert the projections of the keys into the respective slots [C] on the frame first. (Photo 3, Photo 4, Photo 5)***

22-4. Install the rubber contacts while pulling the keys up. (Fig. 17, Fig. 18)

* ***When fitting the rubber contacts, raise both ends of the frame so that keys do not push the rubber contact up.***

22-5. Install the MK-L and MK-H circuit boards in the assembly so that the hooks B hold it. (Fig. 19)

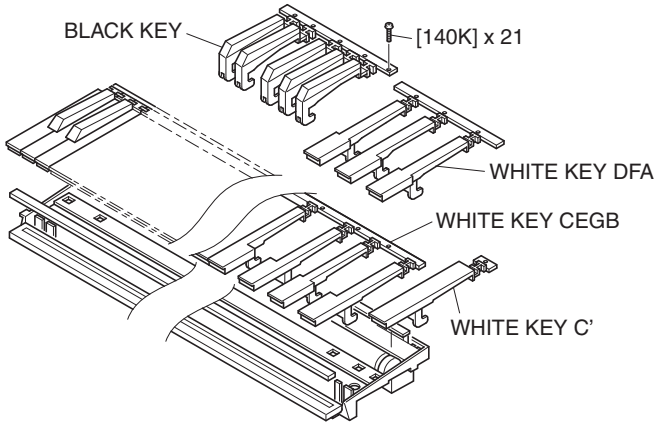


Fig. 16

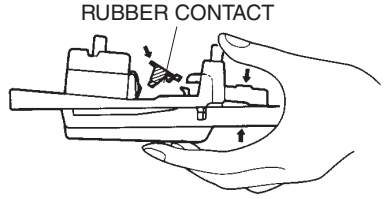


Fig. 17

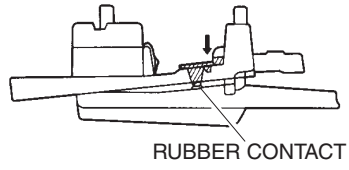


Fig. 18

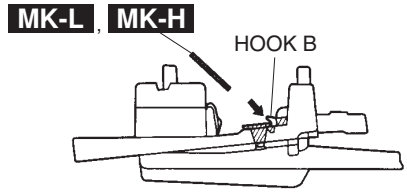


Fig. 19

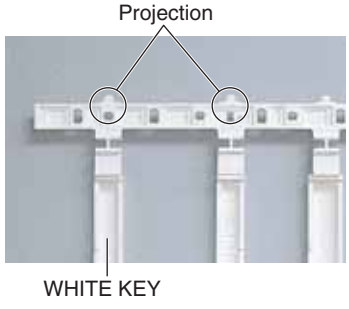


Photo 3

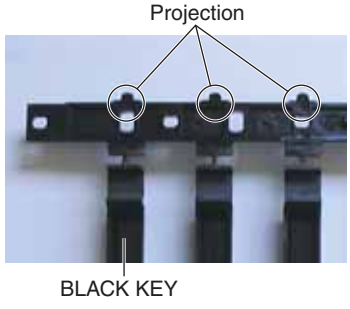


Photo 4

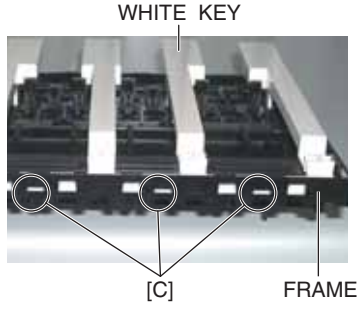


Photo 5

LSI PIN DESCRIPTION

● R8A77310D333BG (YC170A00) SH7731

DM: IC1 (SPR-S950)

PIN NO.	OUTER NO.	NAME	I/O	FUNCTION	PIN NO.	OUTER NO.	NAME	I/O	FUNCTION
1	A1	AV33	-	3.3V power supply for USB reference power supply circuit	76	D1	DP	I/O	USB DP pin
2	A2	VSS	-	Ground	77	D2	DG12	-	1.2V power supply ground for USB driver/receiver
3	A3	XTAL	O	Clock output	78	D3	DG33	-	3.3V power supply ground for USB driver/receiver
4	A4	EXTAL	I	External clock input	79	D4	VSS	-	Ground
5	A5	PTG3/AUDATA3	O	Port/AUD data output	80	D5	NMI	I	Nonmaskable interrupt
6	A6	AUDCK	O	AUD clock	81	D6	ASEBRK/BRKAK	I/O	E10A emulator brake input/acknowledge
7	A7	TCK	I	H-UDI test clock input	82	D7	PTG1/AUDATA1	I/O	Port/AUD data output
8	A8	PTJ6	I/O	Port	83	D8	TDO	O	H-UDI test data output
9	A9	RCLK	I	32.768 kHz clock input	84	D9	TMS	I	H-UDI test mode select input
10	A10	TSTMD	I	Test mode setting	85	D10	RESETOUT	O	Reset output
11	A11	MD0	I	Mode setting pin	86	D11	MD5	I	Mode setting pin
12	A12	PTS1/SCIF0_RXD	I/O	Port/SCIF receive data	87	D12	PTS3/SCIF0_RTS	I/O	Port/SCIF /RTS output
13	A13	PTK4/SIOF1_SYNC	I/O	Port/SCIF 1 frame signal	88	D13	PTK6/SIOF1_SS2	I/O	Port SPI slave device select
14	A14	PTK1/SCIF0_TXD	I/O	Port/SCIF 1 output data	89	D14	PTQ3/SIOF0_SCK	I/O	Port/SIOF0 serial clock
15	A15	PTK0/SIOF1_MCK	I/O	Port/SIOF 1 master clock input	90	D15	PTQ2/SIOF0_RXD/IrDA_IN	I/O	Port/SIOF0 receive data /IrDA receive data input
16	A16	PTQ4/SIOF0_SYNC	I/O	Port/SIOF frame signal	91	D16	PTF5/SIOSCK	I/O	Port/SIO serial clock
17	A17	PTF6/SIOMCK	I/O	Port/SIO master clock	92	D17	PTF0/SIOTXD	I/O	Port/SIO output data
18	A18	PTF2/SIOD	I/O	Port/SIO Transmit/receive data	93	D18	PTD7/SDHICD	I/O	Port/SD card detection
19	A19	PTD5/SDHID3	I/O	Port/SD data bus	94	D19	PTR1/LCDDCK/LCDWR	I/O	Port/LCD dot clock signal/write strobe
20	A20	PTD1/SDHICMD	I/O	Port/SD command	95	D20	PTR4/LCDRD	I/O	Port/read strobe
21	A21	PTR3/LS6B/CE1B/LCDCS2	I/O	Port/chip select/LCD chip select 2	96	D21	PTH7/LCDVCPWC/LCDVCPWC2	I/O	Port/LCD power supply control/LCD power supply control
22	A22	PTH6/LCDVSYN2/DACK0	I/O	Port/LCD vertical sync signal/DMA transfer request acknowledge	97	D22	PTH3/LCDHSYN/LCDCS	I/O	Port/LCD horizontal sync signal/LCD chip select
23	A23	VDD_PLL	-	PLL power supply	98	D23	PTX4/LCDD22	I/O	Port/LCD data bus
24	A24	VSS_PLL	-	PLL ground	99	D24	PTX2/LCDD20	I/O	Port/LCD data bus
25	A25	VSS	-	Ground	100	D25	PTX0/LCDD18	I/O	Port/LCD data bus
26	B1	AV12	-	1.2V power supply for USB-PLL	101	E1	REFRIN	-	External resistor pin for USB constant current circuit
27	B2	VSS	-	Ground	102	E2	DG12	-	1.2V power supply ground for USB driver/receiver
28	B3	PTZ1/KEYIN0/IRQ6	I/O	Port/key input/interrupt request	103	E3	DG33	-	3.3V power supply ground for USB driver/receiver
29	B4	PTJ0/IRQ0	I/O	Port/interrupt request	104	E4	DV33	-	3.3V power supply for USB driver/receiver (3.3V)
30	B5	PTG4/AUDSYNC	I/O	Port/AUD sync signal	105	E5	VSS	-	Ground
31	B6	PTG0/AUDATA0	I/O	Port/AUD data output	106	E6	VSS	-	Ground
32	B7	TDI	I	H-UDI test data input	107	E7	VSS	-	Ground
33	B8	PDSTATUS/PTJ5	I/O	Power-down status output/port	108	E8	VCCQ	-	I/O power supply (3.3V)
34	B9	RESETP	I	Power-on reset	109	E9	VCCQ	-	I/O power supply (3.3V)
35	B10	MD8	I	Mode setting pin	110	E10	VCCQ	-	I/O power supply (3.3V)
36	B11	MD1	I	Mode setting pin	111	E11	VCCQ	-	I/O power supply (3.3V)
37	B12	PTS2/SCIF0_SCK/TPUTO	I/O	Port/SCIF serial clock/TPU output	112	E12	VSS	-	Ground
38	B13	PTK5/SIOF1_SS1	I/O	Port/SPI slave device select	113	E13	VSS	-	Ground
39	B14	PTK3/SIOF1_SCK	I/O	Port/SIOF1 serial clock	114	E14	VSS	-	Ground
40	B15	PTQ6/SIOF0_SS2/SIM_RST	I/O	Port/SIOF0 slave device select/SIM reset	115	E15	VCCQ	-	I/O power supply (3.3V)
41	B16	PTQ1/SIOF0_TXD/SIM_CLK/IrDA_OUT	I/O	Port/SIOF0 transmit data/SIM clock/Irda transmit data output	116	E16	VCCQ	-	I/O power supply (3.3V)
42	B17	PTF4/SIOSTRB1	I/O	Port/SIO serial strobe	117	E17	VCCQ	-	I/O power supply (3.3V)
43	B18	PIF1/SIORXD	I/O	Port/SIO input data	118	E18	VCCQ	-	I/O power supply (3.3V)
44	B19	PTD6/SDHIWP	I/O	Port/SD write protect	119	E19	VSS	-	Ground
45	B20	PTD2/SDHID0	I/O	Port/SD data bus	120	E20	VSS	-	Ground
46	B21	WAIT/PTR2	I/O	WAIT/port	121	E21	VSS	-	Ground
47	B22	PTH5/LCDVSYN	I/O	Port/LCD vertical sync signal	122	E22	PTX1/LCDD19	I/O	Port/LCD data bus
48	B23	VSS	-	Ground	123	E23	PTH1/LCDD17	I/O	Port/LCD data bus
49	B24	VSS	-	Ground	124	E24	PTH0/LCDD16	I/O	Port/LCD data bus
50	B25	VSS_DLL	-	DLL ground	125	E25	PTL6/LCDD14	I/O	Port/LCD data bus
51	C1	DM	I/O	USB DM pin	126	F1	AG33	-	3.3V power supply ground for USB reference power supply circuit
52	C2	VSS	-	Ground	127	F2	AG12	-	1.2V power supply ground for USB-PLL
53	C3	PTZ2/KEYIN1	I/O	Port/key input	128	F3	UG12	-	1.2V power supply ground for USB-UTM480
54	C4	PTJ1/IRQ1	I/O	Port/interrupt request	129	F4	VBUS	I	USB VBUS pin
55	C5	MPMD	I	E10 ASE mode set input	130	F5	DV33	-	3.3V power supply for USB driver/receiver (3.3V)
56	C6	PTG2/AUDATA2	I/O	Port/AUD data output	131	F21	VSS	-	Ground
57	C7	TRST	I	H-UDI test reset input	132	F22	PTL7/LCDD15	I/O	Port/LCD data bus
58	C8	TST	I	Test pin (fix to VCCQ)	133	F23	PTL4/LCDD12	I/O	Port/LCD data bus
59	C9	PTJ7/STATUS0	I/O	Port/status output	134	F24	PTL3/LCDD11	I/O	Port/LCD data bus
60	C10	RESETA	I	System reset input	135	F25	PTL2/LCDD10	I/O	Port/LCD data bus
61	C11	MD2	I	Mode setting pin	136	G1	EXTALUSB	I	48-MHz oscillartor connection pin input for USB
62	C12	PTS4/SCIF0_CTS	I/O	Port/SCIF /CTS input	137	G2	PTZ3/KEYIN2	I/O	Port/key input
63	C13	PTS0/SCIF0_TXD	I/O	Port/SCIF transmit data	138	G3	VSS	-	Ground
64	C14	PTK2/SIOF1_RXD	I/O	Port/SIOF1 input data	139	G4	DV12	-	1.2V power supply for USB driver/receiver (1.2V)
65	C15	PTQ5/SIOF0_SS1	I/O	Port/SPI slave device select	140	G5	DV12	-	1.2V power supply for USB driver/receiver (1.2V)
66	C16	PTQ0/SIOF0_MCK/IRQ3/SIM_D	I/O	Port/SIOF0 master clock input/interrupt request/SIM data	141	G21	VSS	-	Ground
67	C17	PTF3/SIOSTRB0	I/O	Port/SIO serial strobe	142	G22	PTX3/LCDD21	I/O	Port/LCD data bus
68	C18	PTD4/SDHID2/IRQ2	I/O	Port/SD data bus/interrupt request	143	G23	PTL1/LCDD9	I/O	Port/LCD data bus
69	C19	PTD0/SDHICLK	I/O	Port/SD clock	144	G24	PTL0/LCDD8	I/O	Port/LCD data bus
70	C20	PTD3/SDHID1	I/O	Port/SD data bus	145	G25	PTM6/LCDD6	I/O	Port/LCD data bus
71	C21	PTR0/LCDVEPWC/LCDVEPWC2	I/O	Port/LCD power supply control/LCD power supply control	146	H1	XTALUSB	O	48-MHz oscillartor connection pin output for USB
72	C22	PTH4/LCDDISP/LCDRS	I/O	Port/LCD display enable signal/LCD register select	147	H2	PTZ5/KEYIN4/IRQ7	I/O	Port/key input/interrupt request
73	C23	PTH2/LCDDON/LCDDON2	I/O	Port/LCD display ON/OFF signal/LCD display ON/OFF signal	148	H3	PTZ4/KEYIN3	I/O	Port/key input
74	C24	PTX5/LCDD23	I/O	Port/LCD data bus	149	H4	UV12	-	1.2V power supply for USB-UTM480
75	C25	VDD_DLL	-	DLL power supply	150	H5	UV12	-	1.2V power supply for USB-UTM480

PIN NO.	OUTER NO.	NAME	I/O	FUNCTION	PIN NO.	OUTER NO.	NAME	I/O	FUNCTION
151	H21	VCCQ	-	I/O power supply (3.3V)	226	N14	VSS	-	Ground
152	H22	PTM7/LCDD7	I/O	Port/LCD data bus	227	N15	VSS	-	Ground
153	H23	PTM5/LCDD5	I/O	Port/LCD data bus	228	N16	VDD	-	Internal power supply (1.2V)
154	H24	PTM4/LCDD4	I/O	Port/LCD data bus	229	N21	VSS	-	Ground
155	H25	PTM3/LCDD3	I/O	Port/LCD data bus	230	N22	HPD56/PTN0	I/O	SDRAM upper data bus/port
156	J1	PTY1/KEYOUT1	I/O	Port/key output	231	N23	HPD55/PTB7	I/O	SDRAM upper data bus/port
157	J2	PTY5/KEYOUT5/KEYIN5	I/O	Port/key output/key input	232	N24	HPD54/PTB6	I/O	SDRAM upper data bus/port
158	J3	PTY3/KEYOUT3	I/O	Port/kye output	233	N25	HPD57/PTN1	I/O	SDRAM upper data bus/port
159	J4	PTY2/KEYOUT2	I/O	Port/kye output	234	P1	SDA	I/O	I2C serial clock input/output
160	J5	PTY0/KEYOUT0	I/O	Port/kye output	235	P2	PTA1	I/O	Port
161	J21	VCCQ	-	I/O power supply (3.3V)	236	P3	PTA2	I/O	Port
162	J22	PTL5/LCDD13	I/O	Port/LCD data bus	237	P4	PTA0/LCDLCLK	I/O	Port/LCD clock source input
163	J23	PTM1/LCDD1	I/O	Port/LCD data bus	238	P5	VSS	-	Ground
164	J24	PTM2/LCDD2	I/O	Port/LCD data bus	239	P10	VDD	-	Internal power supply (1.2V)
165	J25	PTM0/LCDD0	I/O	Port/LCD data bus	240	P11	VSS	-	Ground
166	K1	PTT3	I/O	Port	241	P12	VSS	-	Ground
167	K2	PTT2	I/O	Port	242	P13	VSS	-	Ground
168	K3	PTT1/DREQ0	I/O	Port/DMA transfer request	243	P14	VSS	-	Ground
169	K4	PTT0	I/O	Port	244	P15	VSS	-	Ground
170	K5	PTY4/KEYOUT4/KEYIN6	I/O	Port/key output/key input	245	P16	VDD	-	Internal power supply (1.2V)
171	K10	VDD	-	Internal power supply (1.2V)	246	P21	VSS	-	Ground
172	K11	VDD	-	Internal power supply (1.2V)	247	P22	HPD31	I/O	SDRAM lower data bus
173	K12	VDD	-	Internal power supply (1.2V)	248	P23	HPD30	I/O	SDRAM lower data bus
174	K13	VDD	-	Internal power supply (1.2V)	249	P24	HPD16	I/O	SDRAM lower data bus
175	K14	VDD	-	Internal power supply (1.2V)	250	P25	HPCLKR	I/O	SDRAM interface synchronous clock
176	K15	VDD	-	Internal power supply (1.2V)	251	R1	PTA3	I/O	Port
177	K16	VDD	-	Internal power supply (1.2V)	252	R2	PTA4	I/O	Port
178	K21	VCCQ	-	I/O power supply (3.3V)	253	R3	PTA5/SCIF1_TXD	I/O	Port/SCIF transmit data
179	K22	HPD63/PTN7	I/O	SDRAM upper data bus/port	254	R4	PTW2/SCIF2_RXD	I/O	Port/SCIF receive data
180	K23	HPD48/PTB0	I/O	SDRAM upper data bus/port	255	R5	VCCQ	-	I/O power supply (3.3V)
181	K24	HPD62/PTN6	I/O	SDRAM upper data bus/port	256	R10	VDD	-	Internal power supply (1.2V)
182	K25	HPD61/PTN5	I/O	SDRAM upper data bus/port	257	R11	VDD	-	Internal power supply (1.2V)
183	L1	PTU3	I/O	Port	258	R12	VSS	-	Ground
184	L2	PTU2	I/O	Port	259	R13	VSS	-	Ground
185	L3	PTU1	I/O	Port	260	R14	VSS	-	Ground
186	L4	PTU0	I/O	Port	261	R15	VDD	-	Internal power supply (1.2V)
187	L5	VCCQ	-	I/O power supply (3.3V)	262	R16	VDD	-	Internal power supply (1.2V)
188	L10	VDD	-	Internal power supply (1.2V)	263	R21	VCCQ	-	I/O power supply (3.3V)
189	L11	VDD	-	Internal power supply (1.2V)	264	R22	HPD19	I/O	SDRAM lower data bus
190	L12	VSS	-	Ground	265	R23	HPD18	I/O	SDRAM lower data bus
191	L13	VSS	-	Ground	266	R24	HPD29	I/O	SDRAM lower data bus
192	L14	VSS	-	Ground	267	R25	HPD17	I/O	SDRAM lower data bus
193	L15	VDD	-	Internal power supply (1.2V)	268	T1	PTA6/SCIF1_RXD	I/O	Port/SCIF receive data
194	L16	VDD	-	Internal power supply (1.2V)	269	T2	PTA7/SCIF1_SCK	I/O	Port/SCIF serial clock
195	L21	VCCQ	-	I/O power supply (3.3V)	270	T3	PTW0/$\overline{\text{SCIF1\_RTS}}$	I/O	Port/SCIF $\overline{\text{RTS}}$ output
196	L22	HPD49/PTB1	I/O	SDRAM upper data bus/port	271	T4	RDWR	O	Read/write signal
197	L23	HPD50/PTB2	I/O	SDRAM upper data bus/port	272	T5	VCCQ	-	I/O power supply (3.3V)
198	L24	HPD60/PTN4	I/O	SDRAM upper data bus/port	273	T10	VDD	-	Internal power supply (1.2V)
199	L25	HPD59/PTN3	I/O	SDRAM upper data bus/port	274	T11	VDD	-	Internal power supply (1.2V)
200	M1	PTV1	I/O	Port	275	T12	VDD	-	Internal power supply (1.2V)
201	M2	PTV0	I/O	Port	276	T13	VDD	-	Internal power supply (1.2V)
202	M3	PTU4	I/O	Port	277	T14	VDD	-	Internal power supply (1.2V)
203	M4	PTT4	I/O	Port	278	T15	VDD	-	Internal power supply (1.2V)
204	M5	VSS	-	Ground	279	T16	VDD	-	Internal power supply (1.2V)
205	M10	VDD	-	Internal power supply (1.2V)	280	T21	VCCQ	-	I/O power supply (3.3V)
206	M11	VSS	-	Ground	281	T22	HPD26	I/O	SDRAM lower data bus
207	M12	VSS	-	Ground	282	T23	HPD20	I/O	SDRAM lower data bus
208	M13	VSS	-	Ground	283	T24	HPD27	I/O	SDRAM lower data bus
209	M14	VSS	-	Ground	284	T25	HPD28	I/O	SDRAM lower data bus
210	M15	VSS	-	Ground	285	U1	PTW1/$\overline{\text{SCIF1\_CTS}}$	I/O	Port/SCIF $\overline{\text{CTS}}$ input
211	M16	VDD	-	Internal power supply (1.2V)	286	U2	PTW3/SCIF2_TXD	I/O	Port/SCIF transmit data
212	M21	VSS	-	Ground	287	U3	PTW4/SCIF2_SCK	I/O	Port/SCIF serial clock
213	M22	HPD51/PTB3	I/O	SDRAM upper data bus/port	288	U4	D3	I/O	Data bus
214	M23	HPD58/PTN2	I/O	SDRAM upper data bus/port	289	U5	VCCQ	-	I/O power supply (3.3V)
215	M24	HPD52/PTB4	I/O	SDRAM upper data bus/port	290	U21	VCCQ	-	I/O power supply (3.3V)
216	M25	HPD53/PTB5	I/O	SDRAM upper data bus/port	291	U22	HPD24	I/O	SDRAM lower data bus
217	N1	PTV2	I/O	Port	292	U23	HPD22	I/O	SDRAM lower data bus
218	N2	SCL	I/O	I2C serial clock input/output	293	U24	HPD25	I/O	SDRAM lower data bus
219	N3	PTV3	I/O	Port	294	U25	HPD21	I/O	SDRAM lower data bus
220	N4	PTV4	I/O	Port	295	V1	PTW5/$\overline{\text{SCIF2\_RTS}}$	I/O	Port/SCIF $\overline{\text{RTS}}$ output
221	N5	VSS	-	Ground	296	V2	PTW6/$\overline{\text{SCIF2\_CTS}}$	I/O	Port/SCIF $\overline{\text{CTS}}$ input
222	N10	VDD	-	Internal power supply (1.2V)	297	V3	$\overline{\text{CB5B}}$/$\overline{\text{CE1A}}$	O	Chip select/PCMCIA card select
223	N11	VSS	-	Ground	298	V4	$\overline{\text{CS4}}$	O	Chip select
224	N12	VSS	-	Ground	299	V5	VCCQ	-	I/O power supply (3.3V)
225	N13	VSS	-	Ground	300	V21	VCCQ	-	I/O power supply (3.3V)

PIN NO.	OUTER NO.	NAME	I/O	FUNCTION	PIN NO.	OUTER NO.	NAME	I/O	FUNCTION
301	V22	HPDQM0	O	SDRAM interface lower LL side data mask	376	AC2	$\overline{CS0}$	O	Chip select
302	V23	HPDQM1	O	SDRAM interface lower LU side data mask	377	AC3	$\overline{RD}$	O	Read signal
303	V24	HPDQM3	O	SDRAM interface lower UU side data mask	378	AC4	$\overline{WE3}$/$\overline{ICIOWR}$	O	D31 to D24 write/PCMCIA IO write
304	V25	HPD23	I/O	SDRAM lower data bus	379	AC5	A23/PTE5	I/O	Address bus/port
305	W1	PTX6/$\overline{CS6A}$/$\overline{CE2B}$	I/O	Port/chip select/PCMCIA card select	380	AC6	A19	O	Address bus
306	W2	D15	I/O	Data bus	381	AC7	A18	O	Address bus
307	W3	D7	I/O	Data bus	382	AC8	A13	O	Address bus
308	W4	D14	I/O	Data bus	383	AC9	A7	O	Address bus
309	W5	VSS	-	Ground	384	AC10	A4	O	Address bus
310	W21	VSS	-	Ground	385	AC11	A0	O	Address bus
311	W22	HPA7	O	SDRAM interface address bus	386	AC12	PTC7	I/O	Port
312	W23	HPA15	O	SDRAM interface address bus	387	AC13	D30/HPD46	I/O	Upper data bus/SDRAM upper data bus
313	W24	HPA16	O	SDRAM interface address bus	388	AC14	D18/HPD34	I/O	Upper data bus/SDRAM upper data bus
314	W25	HPDQM2	O	SDRAM interface lower UL side data mask	389	AC15	D20/HPD36	I/O	Upper data bus/SDRAM upper data bus
315	Y1	D6	I/O	Data bus	390	AC16	D22/HPD38	I/O	Upper data bus/SDRAM upper data bus
316	Y2	D13	I/O	Data bus	391	AC17	HPD14	I/O	SDRAM lower data bus
317	Y3	D5	I/O	Data bus	392	AC18	HPD12	I/O	SDRAM lower data bus
318	Y4	D12	I/O	Data bus	393	AC19	HPD10	I/O	SDRAM lower data bus
319	Y5	VSS	-	Ground	394	AC20	HPD8	I/O	SDRAM lower data bus
320	Y21	VSS	-	Ground	395	AC21	HPDQM6/PTC3	O	SDRAM interface upper UL side data mask
321	Y22	HPA2	O	SDRAM interface address bus	396	AC22	$\overline{HPRAS}$	O	SDRAM interface row address
322	Y23	HPA12	O	SDRAM interface address bus	397	AC23	$\overline{HPCS3}$	O	SDRAM interface chip select
323	Y24	HPA13	O	SDRAM interface address bus	398	AC24	HPA1	O	SDRAM interface address bus
324	Y25	HPA14	O	SDRAM interface address bus	399	AC25	HPA3	O	SDRAM interface address bus
325	AA1	D4	I/O	Data bus	400	AD1	VSS	-	Ground
326	AA2	D11	I/O	Data bus	401	AD2	VSS	-	Ground
327	AA3	D10	I/O	Data bus	402	AD3	$\overline{WE0}$	O	D7 to D0 write
328	AA4	D2	I/O	Data bus	403	AD4	MD3	I	Data bus width set
329	AA5	VSS	-	Ground	404	AD5	A22/PTE4	I/O	Address bus/port
330	AA6	VSS	-	Ground	405	AD6	A17	O	Address bus
331	AA7	VSS	-	Ground	406	AD7	A14	O	Address bus
332	AA8	VCCQ	-	I/O power supply (3.3V)	407	AD8	A10	O	Address bus
333	AA9	VCCQ	-	I/O power supply (3.3V)	408	AD9	A6	O	Address bus
334	AA10	VCCQ	-	I/O power supply (3.3V)	409	AD10	A1	O	Address bus
335	AA11	VCCQ	-	I/O power supply (3.3V)	410	AD11	$\overline{CS5A}$/$\overline{CE2A}$	I/O	Chip select/PCMCIA card select
336	AA12	VSS	-	Ground	411	AD12	PTE0/IRQ4/$\overline{BS}$	I/O	Port/interrupt request/bus start
337	AA13	VSS	-	Ground	412	AD13	D17/HPD33	I/O	Upper data bus/SDRAM upper data bus
338	AA14	VSS	-	Ground	413	AD14	D28/HPD44	I/O	Upper data bus/SDRAM upper data bus
339	AA15	VCCQ	-	I/O power supply (3.3V)	414	AD15	D21/HPD37	I/O	Upper data bus/SDRAM upper data bus
340	AA16	VCCQ	-	I/O power supply (3.3V)	415	AD16	D23/HPD39	I/O	Upper data bus/SDRAM upper data bus
341	AA17	VCCQ	-	I/O power supply (3.3V)	416	AD17	HPD1	I/O	SDRAM lower data bus
342	AA18	VCCQ	-	I/O power supply (3.3V)	417	AD18	HPD2	I/O	SDRAM lower data bus
343	AA19	VSS	-	Ground	418	AD19	HPD11	I/O	SDRAM lower data bus
344	AA20	VSS	-	Ground	419	AD20	HPD6	I/O	SDRAM lower data bus
345	AA21	VSS	-	Ground	420	AD21	HPDQM5/PTC2	I/O	SDRAM interface upper LU side data mask/port
346	AA22	HPA9	O	SDRAM interface address bus	421	AD22	$\overline{HPCAS}$	O	SDRAM interface column address
347	AA23	HPA8	O	SDRAM interface address bus	422	AD23	$\overline{HPCS2}$	O	SDRAM interface chip select
348	AA24	HPA10	O	SDRAM interface address bus	423	AD24	VSS	-	Ground
349	AA25	HPA11	O	SDRAM interface address bus	424	AD25	VSS	-	Ground
350	AB1	D9	I/O	Data bus	425	AE1	VSS	-	Ground
351	AB2	D1	I/O	Data bus	426	AE2	VSS	-	Ground
352	AB3	D8	I/O	Data bus	427	AE3	$\overline{WE2}$/$\overline{ICIORD}$	O	D23 to D16 write/PCMCIA IO read
353	AB4	$\overline{WE1}$/$\overline{WE}$	O	D15 to D8 write/PCMCIA memory write	428	AE4	A24/PTE6	I/O	Address bus/port
354	AB5	A25/PTE7	I/O	Address bus/port	429	AE5	A20	O	Address bus
355	AB6	A15	O	Address bus	430	AE6	A16	O	Address bus
356	AB7	A21	O	Address bus	431	AE7	A12	O	Address bus
357	AB8	A3	O	Address bus	432	AE8	A8	O	Address bus
358	AB9	A11	O	Address bus	433	AE9	A2	O	Address bus
359	AB10	A9	O	Address bus	434	AE10	CKO	O	System clock
360	AB11	A5	O	Address bus	435	AE11	PTE0/IRQ5	I/O	Port/interrupt request
361	AB12	$\overline{IOIS16}$/PTC5	I/O	PCMCIA-IF 16 bits/port	436	AE12	D16/HPD32	I/O	Upper data bus/SDRAM upper data bus
362	AB13	D31/HPD47	I/O	Upper data bus/SDRAM upper data bus	437	AE13	D29/HPD45	I/O	Upper data bus/SDRAM upper data bus
363	AB14	D27/HPD43	I/O	Upper data bus/SDRAM upper data bus	438	AE14	D19/HPD35	I/O	Upper data bus/SDRAM upper data bus
364	AB15	D26/HPD42	I/O	Upper data bus/SDRAM upper data bus	439	AE15	D25/HPD41	I/O	Upper data bus/SDRAM upper data bus
365	AB16	D24/HPD40	I/O	Upper data bus/SDRAM upper data bus	440	AE16	HPCLKD	O	SDRAM interface synchronous clock
366	AB17	HPD0	I/O	SDRAM lower data bus	441	AE17	HPD15	I/O	SDRAM lower data bus
367	AB18	HPD4	I/O	SDRAM lower data bus	442	AE18	HPD13	I/O	SDRAM lower data bus
368	AB19	HPD9	I/O	SDRAM lower data bus	443	AE19	HPD3	I/O	SDRAM lower data bus
369	AB20	HPD7	I/O	SDRAM lower data bus	444	AE20	HPD5	I/O	SDRAM lower data bus
370	AB21	HPDQM7/PTC4	I/O	SDRAM interface upper UU side data mask/port	445	AE21	HPDQM4/PTC0	I/O	SDRAM interface upper LL side data bus/port
371	AB22	HPA4	O	SDRAM interface address bus	446	AE22	HPRDWR	O	SDRAM interface read/write
372	AB23	HPA5	O	SDRAM interface address bus	447	AE23	HPCKE	O	SDRAM interface clock enable
373	AB24	HPA6	O	SDRAM interface address bus	448	AE24	VSS	-	Ground
374	AB25	HPCLK	O	SDRAM interface synchronous clock	449	AE25	VSS	-	Ground
375	AC1	D0	I/O	Data bus					

● **R8A02042BG** (YC479A00) **SWX08**

DM: IC2 (SPR-S750)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
A1	VSS	-	Ground (for I/O and for core)	E7	VSS	-	Ground (for I/O and for core)
A2	VSSADC	-	ADC analog ground	E8	VCCQ	-	The power supply +3.3V
A3	VCCADC	-	ADC analog power supply (Typ +3.3V)	E9	VSS	-	Ground (for I/O and for core)
A4	AN4	I(a)	ADC analog input 4	E10	VCCQ	-	The power supply +3.3V
A5	VREFADC	-	Analog module reference voltage. (Typ +3.3V)	E11	VCCQ	-	The power supply +3.3V
A6	SCK1	Ish/O	External synchronous clock I/O 1	E12	VCCQ	-	The power supply +3.3V
A7	UCLK	I	USB external clock input (48MHz)	E13	VCCQ	-	The power supply +3.3V
A8	VSS	-	Ground (for I/O and for core)	E14	VSS	-	The power supply for internal cores(0V)
A9	FUNC_DM	I/O(a)	USB function data -	E15	VDD	-	The power supply +1.2V
A10	VSS	-	Ground (for I/O and for core)	E16	VDD	-	The power supply +1.2V
A11	HOST_DM	I/O(a)	USB host data - (After hard reset is released, it becomes Low output status.)	E17	VCCQ	-	The power supply +3.3V
A12	UCTL	I	USB output control (Make it to High when USB unused).	E18	VCCQ	-	The power supply +3.3V
A13	XTAL	O	Crystal oscillator output	E19	WE3N/DQMUU/PH1	O	D31-D24 at byte writing of D31-D24 (active Low)/SDRAM is selected/port H 1
A14	EXTAL	I	Crystal oscillator input (16.9344MHz)	E20	A2	O	SH2A-CPU address bus 2
A15	VSS	-	Ground (for I/O and for core)	E21	D30/PF6	I/O	SH2A-CPU data bus 30/port PF 6
A16	CS4N/PH4	O	SH2A-CPU chip selection 4 (Low active)/port PH 4	E22	D29/PF5	I/O	SH2A-CPU data bus 29/port PF 5
A17	TRSTN	Ish	JTAG test reset input (Low active)	F1	MD5	I/O	Wave ROM, SDRAM data bus 5
A18	TDO	O	JTAG test data output	F2	MD4	I/O	Wave ROM, SDRAM data bus 4
A19	PA2	I/O	Parallel port A 2	F3	MD12	I/O	Wave ROM, SDRAM data bus 12
A20	PA0	I/O	Parallel port A 0	F4	MD11	I/O	Wave ROM, SDRAM data bus 11
A21	IRQ1	Ish	Interrupt input 1	F5	VDD	-	The power supply +1.2V
A22	VCCQ	-	The power supply +3.3V	F18	VDD	-	The power supply +1.2V
B1	MA1	O	Wave ROM, SDRAM address bus 1	F19	A3	O	SH2A-CPU address bus 3
B2	VSS	-	Ground (for I/O and for core)	F20	A4	O	SH2A-CPU address bus 4
B3	AN5	I(a)	ADC analog input 5	F21	D28/PF4	I/O	SH2A-CPU data bus 28/port PF 4
B4	AN2	I(a)	ADC analog input 2	F22	D27/PF3	I/O	SH2A-CPU data bus 27/port PF 3
B5	AN0	I(a)	ADC analog input 0	G1	MD7	I/O	Wave ROM, SDRAM data bus 7
B6	TxD1	O	Serial output 1	G2	MD6	I/O	Wave ROM, SDRAM data bus 6
B7	TxD0	O	Serial output 0	G3	MD14	I/O	Wave ROM, SDRAM data bus 14
B8	VSS	-	Ground (for I/O and for core)	G4	MD13	I/O	Wave ROM, SDRAM data bus 13
B9	FUNC_DP	I/O(a)	USB function data +	G5	VSS	-	Ground (for I/O and for core)
B10	VSS	-	Ground (for I/O and for core)	G18	VSS	-	Ground (for I/O and for core)
B11	HOST_DP	I/O(a)	USB host data + (After hard reset is released, it becomes Low output status.)	G19	A5	O	SH2A-CPU address bus 5
B12	SCL	Ish/OD	E bus (I2C) clock I/O (5V tolerant)	G20	A6	O	SH2A-CPU address bus 6
B13	CS0N	O	SH2A-CPU chip selection 0 (Low active)	G21	D26/PF2	I/O	SH2A-CPU data bus 26/port PF 2
B14	CS3N	O	SH2A-CPU chip selection 3 (Low active)	G22	D25/PF1	I/O	SH2A-CPU data bus 25/port PF 1
B15	CS6N/PH5	O	SH2A-CPU chip selection 6 (Low active)/port PH 5	H1	MA25/SCASN	O	Wave ROM, SDRAM address bus 25/CAS output for wave SDRAM (Low active)
B16	ASEBRKAKN	Ish/O	Emulator break (Low active)	H2	MA26/SCKE	O	Wave ROM, SDRAM address bus 26/Wave SDRAM clock is enable
B17	TMS	I	JTAG test mode selection input	H3	MA17/NFD1	O/, I/O	Wave ROM, SDRAM address bus 17/Wave NAND flash data bus 1
B18	PA5	I/O	Parallel port A 5	H4	MD15	I/O	Wave ROM, SDRAM data bus 15
B19	PA1	I/O	Parallel port A 1	H5	VCCQ	-	The power supply +3.3V
B20	IRQ0	Ish	Interrupt input 0	H18	VCCQ	-	The power supply +3.3V
B21	VCCQ	-	The power supply +3.3V	H19	A7	O	SH2A-CPU address bus 7
B22	VDDPLL2	-	PLL1 analog power supply (Typ. +1.2V)	H20	A8	O	SH2A-CPU address bus 8
C1	MRDN/SDQM	O	Wave ROM enable read (Low active)/Waves SDRAM data is enable	H21	D24/PF0	I/O	SH2A-CPU data bus 24/port PF 0
C2	MCS0N	O	Wave ROM, SDRAM chip selection 0 (Low active)	H22	D23/PE7	I/O	SH2A-CPU data bus 23/port PE 7
C3	VSS	-	Ground (for I/O and for core)	J1	MA15	O	Wave ROM, SDRAM address bus 15(SDRAM bank selection 1)
C4	AN3	I(a)	ADC analog input 3	J2	MA16/NFD0	O/, I/O	Wave ROM, SDRAM address bus 16/Wave NAND flash data bus 0
C5	AN1	I(a)	ADC analog input 1	J3	MA23/NFD7	O/, I/O	Wave ROM, SDRAM address bus 23/Wave NAND flash data bus 7
C6	RxD1	Ish	Serial input 1	J4	MA24/SRASN	O	Wave ROM, SDRAM address bus 24/RAS output for wave SDRAM (Low active)
C7	RxD0	Ish	Serial input 0	J5	VSS	-	Ground (for I/O and for core)
C8	VSS	-	Ground (for I/O and for core)	J9	VSS	-	Ground (for I/O and for core)
C9	VBUS	I	USB cable connection monitor (5V tolerant)	J10	VSS	-	Ground (for I/O and for core)
C10	VSS	-	Ground (for I/O and for core)	J11	VSS	-	Ground (for I/O and for core)
C11	OVER_CURRENT_N	I	USB overcurrent detection (Low active) (5V tolerant)	J12	VSS	-	Ground (for I/O and for core)
C12	EICN	I	E bus reset output (Low active) (5V tolerant)	J13	VSS	-	Ground (for I/O and for core)
C13	CS1N/PH2	O	SH2A-CPU chip selection 1 (Low active)/port PH 2	J14	VSS	-	Ground (for I/O and for core)
C14	CS5N	O	SH2A-CPU chip selection 5 (Low active)	J18	VSS	-	Ground (for I/O and for core)
C15	ASEMDN	Ish	Debug mode setting (Low active)	J19	A9	O	SH2A-CPU address bus 9
C16	TDI	I	JTAG test data input	J20	A10	O	SH2A-CPU address bus 10
C17	PA7	I/O	Parallel port A 7	J21	D22/PE6	I/O	SH2A-CPU data bus 22/port PE 6
C18	PA4	I/O	Parallel port A 4	J22	D21/PE5	I/O	SH2A-CPU data bus 21/port PE 5
C19	WAITN	I	External wait input (Low active)	K1	MA11	O	Wave ROM, SDRAM address bus 11
C20	VCCQ	-	The power supply +3.3V	K2	MA12	O	Wave ROM, SDRAM address bus 12
C21	VSSPLL2	-	The power supply for SH2A PLL analog modules(0V)	K3	MA13	O	Wave ROM, SDRAM address bus 13(When 256Mbit SDRAM is connected, use it.)
C22	VDDPLL1	-	The Jlower supply for SH2A PLL. analog modules(1.2V)	K4	MA14	O	Wave ROM, SDRAM address bus 14(SDRAM bank selection 0)
D1	MD1	I/O	Wave ROM, SDRAM data bus 1	K5	VDD	-	The power supply +1.2V
D2	MD0	I/O	Wave ROM , SDRAM data bus 0	K9	VSS	-	Ground (for I/O and for core)
D3	MD8	I/O	Wave ROM, SDRAM data bus 8	K10	VSS	-	Ground (for I/O and for core)
D4	VSS	-	Ground (for I/O and for core)	K11	VSS	-	Ground (for I/O and for core)
D5	VDD	-	The power supply +1.2V	K12	VSS	-	Ground (for I/O and for core)
D6	VSS	-	Ground (for I/O and for core)	K13	VSS	-	Ground (for I/O and for core)
D7	RESN	Ish	Hardware reset (Low active)	K14	VSS	-	Ground (for I/O and for core)
D8	VCCQ	-	The power supply +3.3V	K18	VDD	-	The power supply +1.2V
D9	PULLUP_ENB	O	The USB pull-up is enable.	K19	A11	O	SH2A-CPU address bus 11
D10	VCCQ	-	The power supply +3.3V	K20	A12	O	SH2A-CPU address bus 12
D11	POWER_ENB	O	The USB voltage is enable.	K21	D20/PE4	I/O	SH2A-CPU data bus 20/port PE 4
D12	SDA	Ish/OD	E bus (I2C) data I/O (5V tolerant)	K22	D19/PE3	I/O	SH2A-CPU data bus 19/port PE 3
D13	CS2N/PH3	O	SH2A-CPU chip selection 2 (Low active)/port PH 3	L1	MA22/NFD6	O/, I/O	Wave ROM, SDRAM address bus 22/Wave NAND flash data bus 6
D14	CS7N	O	SH2A-CPU chip selection 7 (Low active)	L2	MA21/NFD5	O/, I/O	Wave ROM, SDRAM address bus 21/Wave NAND flash data bus 5
D15	TESTN	Ish	Test input (Low active)	L3	MA20/NFD4	O/, I/O	Wave ROM, SDRAM address bus 20/Wave NAND flash data bus 4
D16	TCK	I	JTAG test clock input	L4	MA9	O	Wave ROM, SDRAM address bus 9
D17	PA6	I/O	Parallel port A 6	L5	MA10	O	Wave ROM, SDRAM address bus 10
D18	PA3	I/O	Parallel port A 3	L9	VSS	-	Ground (for I/O and for core)
D19	VCCQ	-	The power supply +3.3V	L10	VSS	-	Ground (for I/O and for core)
D20	A0	O	SH2A-CPU address bus 0	L11	VSS	-	Ground (for I/O and for core)
D21	VSSPLL1	-	PLL analog ground (0V)	L12	VSS	-	Ground (for I/O and for core)
D22	D31/PF7	I/O	SH2A-CPU data bus 31/port PF 7	L13	VSS	-	Ground (for I/O and for core)
E1	MD3	I/O	Wave ROM, SDRAM data bus 3	L14	VSS	-	Ground (for I/O and for core)
E2	MD2	I/O	Wave ROM, SDRAM data bus 2	L18	CKE	O	The clock is enable for SDRAM
E3	MD10	I/O	Wave ROM, SDRAM data bus 10	L19	A13	O	SH2A-CPU address bus 13
E4	MD9	I/O	Wave ROM, SDRAM data bus 9	L20	A14	O	SH2A-CPU address bus 14
E5	VSS	-	Ground (for I/O and for core)	L21	D18/PE2	I/O	SH2A-CPU data bus 18/port PE 2
E6	VDD	-	The power supply +1.2V	L22	D17/PE1	I/O	SH2A-CPU data bus 17/port PE 1

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
M1	MA19/NFD3	O/, I/O	Wave ROM, SDRAM address bus 19/Wave NAND flash data bus 3	V17	VDD	-	The power supply +1.2V
M2	MA18/NFD2	O/, I/O	Wave ROM, SDRAM address bus 18/Wave NAND flash data bus 2	V18	VCCQ	-	The power supply +3.3V
M3	MA8	O	Wave ROM, SDRAM address bus 8	V19	A24	O	SH2A-CPU address bus 24
M4	MA7	O	Wave ROM, SDRAM address bus 7	V20	A23	O	SH2A-CPU address bus 23
M5	MA6	O	Wave ROM, SDRAM address bus 6	V21	D5	I/O	SH2A-CPU data bus 5
M9	VSS	-	Ground (for I/O and for core)	V22	D6	I/O	SH2A-CPU data bus 6
M10	VSS	-	Ground (for I/O and for core)	W1	PB6	I/O	Parallel port B 6
M11	VSS	-	Ground (for I/O and for core)	W2	PB7	I/O	Parallel port B 7
M12	VSS	-	Ground (for I/O and for core)	W3	ED0/PC0	I/O	External CPU data bus 0/Port C 0
M13	VSS	-	Ground (for I/O and for core)	W4	VDD	-	The power supply +1.2V
M14	VSS	-	Ground (for I/O and for core)	W5	ED10/PD2	I/O	External CPU data bus 10/Port D 2
M18	A1	O	SH2A-CPU address bus 1	W6	ED14/PD6	I/O	External CPU data bus 14/Port D 6
M19	WE2N/DQMUL/PH0	O	D23-D16 at byte writing of D23-D16 (active Low)/SDRAM is selected/port H 0	W7	EA3/PK2	I/O	External CPU address bus 3/Port K 2
M20	CASLN	O	CAS output for SDRAM (Low active)	W8	RDQ1	I/O	SDRAM data bus 1 for DSP
M21	D16/PE0	I/O	SH2A-CPU data bus 16/port PE 0	W9	RDQ3	I/O	SDRAM data bus 3 for DSP
M22	VSS	-	The power supply for internal cores(0V)	W10	RDQ5	I/O	SDRAM data bus 5 for DSP
N1	MA5	O	Wave ROM, SDRAM address bus 5	W11	RDQ7	I/O	SDRAM data bus 7 for DSP
N2	MA4	O	Wave ROM, SDRAM address bus 4	W12	RRASN	O	RAS output of SDRAM for DSP (Low active)
N3	MA3	O	Wave ROM, SDRAM address bus 3	W13	RA11	O	SDRAM address bus 11 for DSP
N4	MA2	O	Wave ROM, SDRAM address bus 2	W14	RA2	O	SDRAM address bus 2 for DSP
N5	VDD	-	The power supply +1.2V	W15	RA4	O	SDRAM address bus 4 for DSP
N9	VSS	-	Ground (for I/O and for core)	W16	AUXI/DREQ3/PK7	I	AUX input/DMA forwarding demand input from external device to channel 3/Port K7
N10	VSS	-	Ground (for I/O and for core)	W17	SDI0/PK5	I	Serial audio input 0/port K5
N11	VSS	-	Ground (for I/O and for core)	W18	BW_MD0	I	Setting of width of SH2A-CPU data bus
N12	VSS	-	Ground (for I/O and for core)	W19	VCCQ	-	The power supply +3.3V
N13	VSS	-	Ground (for I/O and for core)	W20	A25	O	SH2A-CPU address bus 25
N14	VSS	-	Ground (for I/O and for core)	W21	D3	I/O	SH2A-CPU data bus 3
N18	VDD	-	The power supply +1.2V	W22	D4	I/O	SH2A-CPU data bus 4
N19	RASLN	O	RAS output for SDRAM (Low active)	Y1	ED1/PC1	I/O	External CPU data bus 1/Port C 1
N20	WE1N/DQMLU	O	D15-D8 at byte writing of D15-D8 (active Low)/SDRAM is selected	Y2	ED2/PC2	I/O	External CPU data bus 2/Port C 2
N21	D15	I/O	SH2A-CPU data bus 15	Y3	VDD	-	The power supply for internal cores(1.2V)
N22	CKIO	O	Clock output for SDRAM	Y4	ED7/PC7	I/O	External CPU data bus 7/Port C 7
P1	MWRN	O	Wave ROM, SDRAM write enable (Low active)	Y5	ED11/PD3	I/O	External CPU data bus 11/Port D 3
P2	MCS1N/PG0	O	Wave ROM, SDRAM chip selection 1 (Low active)/port G 0	Y6	ED15/PD7	I/O	External CPU data bus 15/Port D 7
P3	MCS3N/MA27/PG2	O	Wave ROM, SDRAM chip selection 3 (Low active)/Wave ROM address bus 27/port G 2	Y7	ERDN/PK3	I/O	External CPU read is enable (Low active)/Port K 3
P4	BTCHG	Ish	Switch control of boot ROM	Y8	RDQ2	I/O	SDRAM data bus 2 for DSP
P5	VSS	-	Ground (for I/O and for core)	Y9	RDQ4	I/O	SDRAM data bus 4 for DSP
P9	VSS	-	Ground (for I/O and for core)	Y10	RDQ6	I/O	SDRAM data bus 6 for DSP
P10	VSS	-	Ground (for I/O and for core)	Y11	RWEN	O	WE output of SDRAM for DSP (Low active)
P11	VSS	-	Ground (for I/O and for core)	Y12	RCASN	O	CAS output of SDRAM for DSP (Low active)
P12	VSS	-	Ground (for I/O and for core)	Y13	RBS	O	SDRAM bank selection for DSP
P13	VSS	-	Ground (for I/O and for core)	Y14	RA1	O	SDRAM address bus 1 for DSP
P14	VSS	-	Ground (for I/O and for core)	Y15	RA3	O	SDRAM address bus 3 for DSP
P18	VSS	-	Ground (for I/O and for core)	Y16	DITO/PH7	O	Digital audio output/Port H7
P19	A16	O	SH2A-CPU address bus 16	Y17	SYI	Ish	Synchronous input from external device
P20	A15	O	SH2A-CPU address bus 15	Y18	SDI1/DREQ2/PK6	I	Serial audio input 1/DMA forwarding demand input from external device to channel2/Port K5
P21	D13	I/O	SH2A-CPU data bus 13	Y19	SDO0	O	Serial audio output 0
P22	D14	I/O	SH2A-CPU data bus 14	Y20	VCCQ	-	The power supply +3.3V
R1	MCS2N/MA28/PG1	O	Wave ROM, SDRAM chip selection 2 (Low active)/Wave ROM address bus 28/port G 1	Y21	D1	I/O	SH2A-CPU data bus 1
R2	NFCSN	O	Wave NAND flash chip is enable (Low active)	Y22	D2	I/O	SH2A-CPU data bus 2
R3	NFRDY	I	Ready input for wave NAND flash	AA1	ED3/PC3	I/O	External CPU data bus 3/Port C 3
R4	NFRDFB	Ish	Wave NAND flash data taking read enable input	AA2	VDD	-	The power supply +1.2V
R5	VCCQ	-	The power supply +3.3V	AA3	ED5/PC5	I/O	External CPU data bus 5/Port C 5
R18	VCCQ	-	The power supply +3.3V	AA4	ED8/PD0	I/O	External CPU data bus 8/Port D 0
R19	A18	O	SH2A-CPU address bus 18	AA5	ED12/PD4	I/O	External CPU data bus 12/Port D 4
R20	A17	O	SH2A-CPU address bus 17	AA6	EA1/PK0	I/O	External CPU address bus 1/Port K 0
R21	D11	I/O	SH2A-CPU data bus 11	AA7	EWRN/PK4	I/O	External CPU write is enable (Low active)/Port K 4
R22	D12	I/O	SH2A-CPU data bus 12	AA8	RDQ15	I/O	SDRAM data bus 15 for DSP
T1	SCLK	O	Clock output for wave SDRAM	AA9	RDQ13	I/O	SDRAM data bus 13 for DSP
T2	NFRDN/PG3	O	Wave NAND flash enable read (Low active)/port G 3	AA10	RDQ11	I/O	SDRAM data bus 11 for DSP
T3	NFWEN/PG4	O	Wave NAND flash enable write (Low active)/port G 4	AA11	RDQ9	I/O	SDRAM data bus 9 for DSP
T4	NFWPN/PG5	O	Wave NAND write-protect (Low active)/port G 5	AA12	RCLK	O	SDRAM clock output for DSP
T5	VSS	-	The power supply for internal cores(0V)	AA13	RA12	O	SDRAM address bus 12 for DSP
T18	VSS	-	The power supply for internal cores(0V)	AA14	RA9	O	SDRAM address bus 9 for DSP
T19	A20	O	SH2A-CPU address bus 20	AA15	RA7	O	SDRAM address bus 7 for DSP
T20	A19	O	SH2A-CPU address bus 19	AA16	RA5	O	SDRAM address bus 5 for DSP
T21	D9	I/O	SH2A-CPU data bus 9	AA17	WCLK2/SDO3	O	Word clock output 2/Serial audio output 3
T22	D10	I/O	SH2A-CPU data bus 10	AA18	BCLK	O	Bit clock output (After hard reset is released, the H/L change is started)
U1	NFALE/PG6	O	Wave NAND flash address is enable/port G 6	AA19	SDO1	O	Serial audio output 1
U2	NFCLE/PG7	O	Wave NAND flash command is enable/port G 7	AA20	RDWRN	O	The SH2A-CPU read write is enable
U3	PB0	I/O	Parallel port B 0	AA21	VCCQ	-	The power supply +3.3V
U4	PB1	I/O	Parallel port B 1	AA22	D0	I/O	SH2A-CPU data bus 0
U5	VDD	-	The power supply +1.2V	AB1	VDD	-	The power supply +1.2V
U18	VCCQ	-	The power supply +3.3V	AB2	ED4/PC4	I/O	External CPU data bus 4/Port C 4
U19	A22	O	SH2A-CPU address bus 22	AB3	ED6/PC6	I/O	External CPU data bus 6/Port C 6
U20	A21	O	SH2A-CPU address bus 21	AB4	ED9/PD1	I/O	External CPU data bus 9/Port D 1
U21	D7	I/O	SH2A-CPU data bus 7	AB5	ED13/PD5	I/O	External CPU data bus 13/Port D 5
U22	D8	I/O	SH2A-CPU data bus 8	AB6	EA2/PK1	I/O	External CPU address bus 2/Port K 1
V1	PB2	I/O	Parallel port B 2	AB7	ECSN	Ish	External CPU chip selection
V2	PB3	I/O	Parallel port B 3	AB8	RDQ14	I/O	SDRAM data bus 14 for DSP
V3	PB4	I/O	Parallel port B 4	AB9	RDQ12	I/O	SDRAM data bus 12 for DSP
V4	PB5	I/O	Parallel port B 5	AB10	RDQ10	I/O	SDRAM data bus 10 for DSP
V5	VDD	-	The power supply +1.2V	AB11	RDQ8	I/O	SDRAM data bus 8 for DSP
V6	VDD	-	The power supply +1.2V	AB12	RDQM	O	SDRAM mask output for DSP
V7	VSS	-	Ground (for I/O and for core)	AB13	RA13	O	SDRAM address bus 13 for DSP
V8	RDQ0	I/O	SDRAM data bus 0 for DSP	AB14	RA10	O	SDRAM address bus 10 for DSP
V9	VSS	-	Ground (for I/O and for core)	AB15	RA8	O	SDRAM address bus 8 for DSP
V10	VCCQ	-	The power supply +3.3V	AB16	RA6	O	SDRAM address bus 6 for DSP
V11	VCCQ	-	The power supply +3.3V	AB17	SYSCLK	O	System clock output (After hard reset is released, the H/L change is started)
V12	VCCQ	-	The power supply +3.3V	AB18	WCLK	O	Word clock output (After hard reset is released, the H/L change is started)
V13	VCCQ	-	The power supply +3.3V	AB19	SYSCLK2/SDO2/PH6	O	System clock output 2: For TI Co. DAC/Serial audio input 2/Port H 6
V14	VSS	-	Ground (for I/O and for core)	AB20	RDN	O	The SH2A-CPU read is enable (Low active)
V15	VCCQ	-	The power supply +3.3V	AB21	WE0N/DQMLL	O	D7-D0 at byte writing of D7-D0 (active Low)/SDRAM is selected
V16	CKOEN	I	Clock output control for SDRAM	AB22	VCCQ	-	The power supply +3.3V

• µPD800500F1-011-KN (YC706A00) SSP2

DM: IC607 (SPR-S950)

PIN NO.	OUTER NO.	NAME	I/O	FUNCTION	PIN NO.	OUTER NO.	NAME	I/O	FUNCTION
1	A1	GND	-	-	82	A4	SDO4	O	Output Buffer (3.3V) 3mA
2	B1	VDD33	-	-	83	A3	SYI	I	Input Buffer (3.3V) Schmitt
3	C1	XI	I	Oscillator with EN (3.3V) 12.288MHz	84	A2	VDD33	-	-
4	D1	XO	O	Oscillator with EN (3.3V) 12.288MHz	85	B2	GND	-	-
5	E1	WCLKO	O	Output Buffer (3.3V) 6mA	86	C2	REFCLKO	O	Output Buffer (3.3V) 3mA
6	F1	SYSCLK	O	Output Buffer (3.3V) 6mA	87	D2	PLLBPN	I	Input Buffer (3.3V) Schmitt
7	G1	TXDO	O	Output Buffer (3.3V) 3mA	88	E2	WCLK1	O	Output Buffer (3.3V) 6mA
8	H1	IRQN_IN	I	Input Buffer (3.3V) Schmitt	89	F2	EXCLK	I	Input Buffer (3.3V) Schmitt
9	J1	ICN	I	Input Buffer (3.3V) Schmitt	90	G2	RXD0	I	Input Buffer (3.3V)
10	K1	SCANSWO	O	Output Buffer (3.3V) 6mA	91	H2	IRQN_OUT	O	N-ch Open drain Output Buffer (3.3V) 3mA
11	L1	TMS	I	Input Buffer (3.3V)	92	J2	PEO0	O	Output Buffer (3.3V) 6mA
12	M1	TDI	I	Input Buffer (3.3V)	93	K2	SCANSW1	O	Output Buffer (3.3V) 6mA
13	N1	ANPORT3	I	10bit 1MHz 8ch-Multiplex A/D Converter	94	L2	TRSTN	I	Input Buffer (3.3V)
14	P1	ANPORT5	I	10bit 1MHz 8ch-Multiplex A/D Converter	95	M2	ANPORT1	I	10bit 1MHz 8ch-Multiplex A/D Converter
15	R1	GND	-	Ground (for I/O and for core)	96	N2	ANPORT2	I	10bit 1MHz 8ch-Multiplex A/D Converter
16	T1	VDD33	-	-	97	P2	ANPORT4	I	10bit 1MHz 8ch-Multiplex A/D Converter
17	U1	MA1	O	Output Buffer (3.3V) 6mA	98	R2	ANPORT7	I	10bit 1MHz 8ch-Multiplex A/D Converter
18	V1	MA2	O	Output Buffer (3.3V) 6mA	99	T2	MODE	I	Input Buffer (3.3V) 50kΩ Pull-down
19	W1	MA6	O	Output Buffer (3.3V) 6mA	100	U2	TEN	I	Input Buffer (3.3V) 50kΩ Pull-down
20	Y1	MA9	O	Output Buffer (3.3V) 6mA	101	V2	MA3	O	Output Buffer (3.3V) 6mA
21	AA1	VDD33	-	-	102	W2	MA7	O	Output Buffer (3.3V) 6mA
22	AB1	GND	-	-	103	Y2	MA10	O	Output Buffer (3.3V) 6mA
23	AB2	VDD33	-	-	104	AA2	GND	-	-
24	AB3	MA12	O	Output Buffer (3.3V) 6mA	105	AA3	MA11	O	Output Buffer (3.3V) 6mA
25	AB4	MA15	O	Output Buffer (3.3V) 6mA	106	AA4	MA14	O	Output Buffer (3.3V) 6mA
26	AB5	MA18	O	Output Buffer (3.3V) 6mA	107	AA5	MA17	O	Output Buffer (3.3V) 6mA
27	AB6	CS2N	O	Output Buffer (3.3V) 6mA	108	AA6	MA21	O	Output Buffer (3.3V) 6mA
28	AB7	RDN	O	Output Buffer (3.3V) 6mA	109	AA7	CS5N	O	Output Buffer (3.3V) 6mA
29	AB8	MD1	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up	110	AA8	MD0	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up
30	AB9	MD5	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up	111	AA9	MD4	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up
31	AB10	MD8	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up	112	AA10	MD7	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up
32	AB11	GND	-	-	113	AA11	MD10	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up
33	AB12	VDD33	-	-	114	AA12	MD11	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up
34	AB13	MD13	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up	115	AA13	MD14	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up
35	AB14	R1CLK	O	Output Buffer (3.3V) 6mA	116	AA14	UBN	O	Output Buffer (3.3V) 6mA
36	AB15	R2WEN	O	Output Buffer (3.3V) 3mA	117	AA15	R2DQM	O	Output Buffer (3.3V) 3mA
37	AB16	R2D2	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up	118	AA16	R2D3	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up
38	AB17	R2D6	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up	119	AA17	R2D7	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up
39	AB18	R2D10	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up	120	AA18	R2D11	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up
40	AB19	R2D14	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up	121	AA19	R2D15	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up
41	AB20	R2CLK	O	Output Buffer (3.3V) 6mA	122	AA20	R2A2	O	Output Buffer (3.3V) 3mA
42	AB21	VDD33	-	-	123	AA21	GND	-	-
43	AB22	GND	-	-	124	Y21	R2A3	O	Output Buffer (3.3V) 3mA
44	AA22	VDD33	-	-	125	W21	R2A6	O	Output Buffer (3.3V) 3mA
45	Y22	R2A4	O	Output Buffer (3.3V) 3mA	126	V21	R2A9	O	Output Buffer (3.3V) 3mA
46	W22	R2A7	O	Output Buffer (3.3V) 3mA	127	U21	R2A13	O	Output Buffer (3.3V) 3mA
47	V22	R2A10	O	Output Buffer (3.3V) 3mA	128	T21	GND	-	-
48	U22	R2A14	O	Output Buffer (3.3V) 3mA	129	R21	USBXO	O	Oscillator with EN (3.3V) 30MHz
49	T22	GND	-	-	130	P21	GND	-	-
50	R22	USBXI	I	Oscillator with EN (3.3V) 30MHz	131	N21	PVSS	-	USB2.0 Transcever
51	P22	GND	-	-	132	M21	GND	-	-
52	N22	PVDD	-	USB2.0 Transcever	133	L21	GND2	-	USB2.0 Transcever
53	M22	GND	-	-	134	K21	AVDDU	-	USB2.0 Transcever
54	L22	RPU	-	USB2.0 Transcever	135	J21	AVSSU	-	USB2.0 Transcever
55	K22	AVDDU	-	USB2.0 Transcever	136	H21	AVSSU	-	USB2.0 Transcever
56	J22	RREF	-	USB2.0 Transcever	137	G21	ED14	B	I/O Buffer (3.3V) 3mA
57	H22	AVSSU	-	USB2.0 Transcever	138	F21	ED10	B	I/O Buffer (3.3V) 3mA
58	G22	ED15	B	I/O Buffer (3.3V) 3mA	139	E21	ED6	B	I/O Buffer (3.3V) 3mA
59	F22	ED11	B	I/O Buffer (3.3V) 3mA	140	D21	ED2	B	I/O Buffer (3.3V) 3mA
60	E22	ED7	B	I/O Buffer (3.3V) 3mA	141	C21	EWRN	I	Input Buffer (3.3V) Schmitt
61	D22	ED3	B	I/O Buffer (3.3V) 3mA	142	B21	GND	-	-
62	C22	ED0	B	I/O Buffer (3.3V) 3mA	143	B20	ERDN	I	Input Buffer (3.3V) Schmitt
63	B22	VDD33	-	-	144	B19	EA14	B	I/O Buffer (3.3V) 3mA
64	A22	GND	-	-	145	B18	EA11	B	I/O Buffer (3.3V) 3mA
65	A21	VDD33	-	-	146	B17	EA7	B	I/O Buffer (3.3V) 3mA
66	A20	ECSN	I	Input Buffer (3.3V) Schmitt	147	B16	EA3	B	I/O Buffer (3.3V) 3mA
67	A19	EA13	B	I/O Buffer (3.3V) 3mA	148	B15	EA1	B	I/O Buffer (3.3V) 3mA
68	A18	EA10	B	I/O Buffer (3.3V) 3mA	149	B14	ADAT3	B	I/O Buffer (3.3V) 6mA
69	A17	EA6	B	I/O Buffer (3.3V) 3mA	150	B13	ADAT7	B	I/O Buffer (3.3V) 6mA
70	A16	EA2	B	I/O Buffer (3.3V) 3mA	151	B12	ADAT9	B	I/O Buffer (3.3V) 6mA
71	A15	WAITN	O	Output Buffer (3.3V) 3mA	152	B11	ADAT11	B	I/O Buffer (3.3V) 6mA
72	A14	ADAT2	B	I/O Buffer (3.3V) 6mA	153	B10	ADAT14	B	I/O Buffer (3.3V) 6mA
73	A13	ADAT6	B	I/O Buffer (3.3V) 6mA	154	B9	AFRM	B	I/O Buffer (3.3V) 6mA
74	A12	GND	-	-	155	B8	SDI2	I	Input Buffer (3.3V)
75	A11	VDD33	-	-	156	B7	SDI6	I	Input Buffer (3.3V)
76	A10	ADAT13	B	I/O Buffer (3.3V) 6mA	157	B6	SDI10	I	Input Buffer (3.3V)
77	A9	ACLK	B	I/O Buffer (3.3V) Schmitt in 6mA	158	B5	SDO2	O	Output Buffer (3.3V) 3mA
78	A8	SDI1	I	Input Buffer (3.3V)	159	B4	SDO5	O	Output Buffer (3.3V) 3mA
79	A7	SDI5	I	Input Buffer (3.3V)	160	B3	SDO7	O	Output Buffer (3.3V) 3mA
80	A6	SDI9	I	Input Buffer (3.3V)	161	C3	GND	-	-
81	A5	SDO1	O	Output Buffer (3.3V) 3mA	162	D3	SELTAP	I	Input Buffer (3.3V) 50kΩ Pull-down

PIN NO.	OUTER NO.	NAME	I/O	FUNCTION	PIN NO.	OUTER NO.	NAME	I/O	FUNCTION
163	E3	BCLK	O	Output Buffer (3.3V) 6mA	244	W4	GND	-	-
164	F3	DITO	O	Output Buffer (3.3V) 3mA	245	W5	VDD33	-	-
165	G3	TXD1	O	Output Buffer (3.3V) 3mA	246	W6	MA19	O	Output Buffer (3.3V) 6mA
166	H3	RXD1	I	Input Buffer (3.3V)	247	W7	CS3N	O	Output Buffer (3.3V) 6mA
167	J3	PE01	O	Output Buffer (3.3V) 6mA	248	W8	WRN	O	Output Buffer (3.3V) 6mA
168	K3	SCANSW2	O	Output Buffer (3.3V) 6mA	249	W9	MD2	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up
169	L3	TDO	O	3-state Output Buffer (3.3V) 6mA	250	W10	VDD33	-	-
170	M3	ANPORT0	I	10bit 1MHz 8ch-Multiplex A/D Converter	251	W11	AGND1	-	PLL SUPPLY
171	N3	AVREFP	-	10bit 1MHz 8ch-Multiplex A/D Converter	252	W12	AVDD1	-	PLL SUPPLY
172	P3	AVREFM	-	10bit 1MHz 8ch-Multiplex A/D Converter	253	W13	GND	-	-
173	R3	ANPORT6	I	10bit 1MHz 8ch-Multiplex A/D Converter	254	W14	R2CASN	O	Output Buffer (3.3V) 3mA
174	T3	PEI0	I	Input Buffer (3.3V) Schmitt	255	W15	R2D1	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up
175	U3	PEI2	I	Input Buffer (3.3V) Schmitt	256	W16	R2D5	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up
176	V3	MA4	O	Output Buffer (3.3V) 6mA	257	W17	R2D7	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-upr
177	W3	MA8	O	Output Buffer (3.3V) 6mA	258	W18	R2D13	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up
178	Y3	GND	-	-	259	W19	GND	-	-
179	Y4	MA13	O	Output Buffer (3.3V) 6mA	260	V19	VDD33	-	-
180	Y5	MA16	O	Output Buffer (3.3V) 6mA	261	U19	R2A11	O	Output Buffer (3.3V) 3mA
181	Y6	MA20	O	Output Buffer (3.3V) 6mA	262	T19	NECTEST	I	Input Buffer (3.3V) 50kΩ Pull-down
182	Y7	CS4N	O	Output Buffer (3.3V) 6mA	263	R19	VDD33	-	-
183	Y8	LBN	O	Output Buffer (3.3V) 6mA	264	P19	TMC1	I	Input Buffer (3.3V) for TMC Terminal (TMC1)
184	Y9	MD3	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up	265	N19	GND1	-	USB2.0 Transcever
185	Y10	MD6	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up	266	M19	RSDM	-	USB2.0 Transcever
186	Y11	MD9	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up	267	L19	RSDP	-	USB2.0 Transcever
187	Y12	MD12	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up	268	K19	VD331	-	USB2.0 Transcever
188	Y13	MD15	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up	269	J19	GND	-	-
189	Y14	R2RASN	O	Output Buffer (3.3V) 3mA	270	H19	VDD33	-	-
190	Y15	R2D0	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up	271	G19	ED12	B	I/O Buffer (3.3V) 3mA
191	Y16	R2D4	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up	272	F19	ED8	B	I/O Buffer (3.3V) 3mA
192	Y17	R2D8	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up	273	E19	ED4	B	I/O Buffer (3.3V) 3mA
193	Y18	R2D12	B	I/O Buffer (3.3V) 3mA 50kΩ Pull-up	274	D19	GND	-	-
194	Y19	R2A1	O	Output Buffer (3.3V) 3mA	275	D18	VDD33	-	-
195	Y20	GND	-	-	276	D17	EA9	B	I/O Buffer (3.3V) 3mA
196	W20	R2A5	O	Output Buffer (3.3V) 3mA	277	D16	EA5	B	I/O Buffer (3.3V) 3mA
197	V20	R2A8	O	Output Buffer (3.3V) 3mA	278	D15	ADAT1	B	I/O Buffer (3.3V) 6mA
198	U20	R2A12	O	Output Buffer (3.3V) 3mA	279	D14	ADAT5	B	I/O Buffer (3.3V) 6mA
199	T20	GND	-	-	280	D13	VDD33	-	-
200	R20	GND	-	-	281	D12	AGND2	-	PLL SUPPLY
201	P20	TMC2	I	Input Buffer (3.3V) for TMC Terminal (TMC2)	282	D11	AVDD2	-	PLL SUPPLY
202	N20	COM	-	USB2.0 Transcever	283	D10	GND	-	-
203	M20	DM	B	USB2.0 Transcever	284	D9	SDI0	I	Input Buffer (3.3V)
204	L20	DP	B	USB2.0 Transcever	285	D8	SDI4	I	Input Buffer (3.3V)
205	K20	VD151	-	USB2.0 Transcever	286	D7	SDI8	I	Input Buffer (3.3V)
206	J20	GND	-	-	287	D6	SDO0	O	Output Buffer (3.3V) 3mA
207	H20	VBUS	I	Input Buffer (3.3V) with Failsafe Schmitt	288	D5	VDD33	-	-
208	G20	ED13	B	I/O Buffer (3.3V) 3mA	289	J9	GND	-	-
209	F20	ED9	B	I/O Buffer (3.3V) 3mA	290	K9	GND	-	-
210	E20	ED5	B	I/O Buffer (3.3V) 3mA	291	L9	VDD15	-	-
211	D20	ED1	B	I/O Buffer (3.3V) 3mA	292	M9	VDD15	-	-
212	C20	GND	-	-	293	N9	GND	-	-
213	C19	EA15	B	I/O Buffer (3.3V) 3mA	294	P9	GND	-	-
214	C18	EA12	B	I/O Buffer (3.3V) 3mA	295	P10	GND	-	-
215	C17	EA8	B	I/O Buffer (3.3V) 3mA	296	P11	VDD15	-	-
216	C16	EA14	B	I/O Buffer (3.3V) 3mA	297	P12	VDD15	-	-
217	C15	ADAT0	B	I/O Buffer (3.3V) 6mA	298	P13	GND	-	-
218	C14	ADAT4	B	I/O Buffer (3.3V) 6mA	299	P14	GND	-	-
219	C13	ADAT8	B	I/O Buffer (3.3V) 6mA	300	N14	GND	-	-
220	C12	ADAT10	B	I/O Buffer (3.3V) 6mA	301	M14	VDD15	-	-
221	C11	ADAT12	B	I/O Buffer (3.3V) 6mA	302	L14	VDD15	-	-
222	C10	ADAT15	B	I/O Buffer (3.3V) 6mA	303	K14	GND	-	-
223	C9	ADIR	O	3-state Output Buffer (3.3V) 6mA	304	J14	GND	-	-
224	C8	SDI3	I	Input Buffer (3.3V)	305	J13	GND	-	-
225	C7	SDI7	I	Input Buffer (3.3V)	306	J12	VDD15	-	-
226	C6	SDI11	I	Input Buffer (3.3V)	307	J11	VDD15	-	-
227	C5	SDO3	O	Output Buffer (3.3V) 3mA	308	J10	GND	-	-
228	C4	SDO6	O	Output Buffer (3.3V) 3mA	309	K10	GND	-	-
229	D4	GND	-	-	310	L10	VDD15	-	-
230	E4	VDD33	-	-	311	M10	VDD15	-	-
231	F4	MUTEN	I	Input Buffer (3.3V)	312	N10	GND	-	-
232	G4	ARMSTOP	I	Input Buffer (3.3V) Schmitt	313	N11	VDD15	-	-
233	H4	DSPSTOP	I	Input Buffer (3.3V) Schmitt	314	N12	VDD15	-	-
234	J4	PEO2	O	Output Buffer (3.3V) 6mA	315	N13	GND	-	-
235	K4	PEO3	O	Output Buffer (3.3V) 6mA	316	M13	VDD15	-	-
236	L4	TCK	I	Input Buffer (3.3V)	317	L13	VDD15	-	-
237	M4	VDD33	-	-	318	K13	GND	-	-
238	N4	AVDD	-	10bit 1MHz 8ch-Multiplex A/D Converter	319	K12	VDD15	-	-
239	P4	AGND	-	10bit 1MHz 8ch-Multiplex A/D Converter	320	K11	VDD15	-	-
240	R4	GND	-	-	321	L11	GND	-	-
241	T4	PEI1	I	Input Buffer (3.3V) Schmitt	322	M11	GND	-	-
242	U4	PEI3	I	Input Buffer (3.3V) Schmitt	323	M12	GND	-	-
243	V4	MA5	O	Output Buffer (3.3V) 6mA	324	L12	GND	-	-

● **T6TJ3XBG-0001** (X8940A00) **SWP51L** (Tone Generator)

DM: IC6 (PSR-S750)
DM: IC601 (PSR-S950)

PIN NO.	OUTER NO.	NAME	I/O	FUNCTION
1	A1	VSS	-	Ground
2	A2	VSS	-	
3	A3	HRD2	I/O	DRAM data bus
4	A4	HRD0	I/O	
5	A5	HRD9	I/O	
6	A6	HRD11	I/O	
7	A7	HRD13	I/O	
8	A8	HRD15	I/O	
9	A9	RA1	O	DRAM address bus
10	A10	RA3	O	
11	A11	RA5	O	
12	A12	RA7	O	
13	A13	RA9	O	
14	A14	RCLK	O	SDRAM clock signal
15	A15	RRAS	O	DRAM row address strobe (RAS signal)
16	A16	RWEN	O	DRAM write enable
17	A17	LRD8	I/O	DRAM data bus (Lower data)
18	A18	LRD10	I/O	
19	A19	LRD12	I/O	
20	A20	LRD14	I/O	
21	A21	LRD7	I/O	
22	A22	LRD5	I/O	
23	A23	LRD3	I/O	
24	A24	LRD1	I/O	
25	A25	VSS	-	Ground
26	A26	VSS	-	
27	B1	VSS	-	
28	B2	VSS	-	
29	B3	HRD3	I/O	DRAM data bus
30	B4	HRD1	I/O	
31	B5	HRD8	I/O	
32	B6	HRD10	I/O	
33	B7	HRD12	I/O	
34	B8	HRD14	I/O	
35	B9	RA0	O	DRAM address bus
36	B10	RA2	O	
37	B11	RA4	O	
38	B12	RA6	O	
39	B13	RA8	O	
40	B14	RCLKE	O	SDRAM clock enable
41	B15	RCAS	O	DRAM column address strobe (CAS signal)
42	B16	RQML	O	MASK signal (SDRAM)
43	B17	LRD9	I/O	DRAM data bus (Lower data)
44	B18	LRD11	I/O	
45	B19	LRD13	I/O	
46	B20	LRD15	I/O	
47	B21	LRD6	I/O	
48	B22	LRD4	I/O	
49	B23	LRD2	I/O	
50	B24	LRD0	I/O	
51	B25	VSS	-	Ground
52	B26	VSS	-	
53	C1	HRD5	I/O	DRAM data bus
54	C2	HRD4	I/O	
55	C3	VSS	-	Ground
56	C4	ADAT13	I/O	Data bus (ABUS)
57	C5	ADAT12	I/O	
58	C6	ADAT11	I/O	
59	C7	ADAT10	I/O	
60	C8	ADAT9	I/O	
61	C9	ADAT8	I/O	
62	C10	ADAT7	I/O	
63	C11	RA10	O	DRAM address bus
64	C12	RA11	O	
65	C13	RA12	O	
66	C14	RA13	O	
67	C15	RQMH	O	MASK signal (SDRAM)
68	C16	RCLKIN	I	SDRAM, DRAM clock input
69	C17	ADAT6	I/O	Data bus (ABUS)
70	C18	ADAT5	I/O	
71	C19	ADAT4	I/O	
72	C20	ADAT3	I/O	
73	C21	ADAT2	I/O	
74	C22	ADAT1	I/O	
75	C23	ADAT0	I/O	
76	C24	VSS	-	Ground
77	C25	VSS	-	
78	C26	CD15	I/O	Data bus of internal register
79	D1	HRD7	I/O	DRAM data bus
80	D2	HRD6	I/O	
81	D3	ADAT14	I/O	Data bus (ABUS)
82	D4	VSS	-	Ground
83	D5	VSS	-	
84	D6	VDDS	-	Power supply +3.3 V
85	D7	VDDS	-	
86	D8	VDDS	-	
87	D9	VDDS	-	
88	D10	VDDS	-	
89	D11	VDDS	-	
90	D12	VDDS	-	
91	D13	VDDS	-	
92	D14	VDDC	-	Power supply +1.5 V
93	D15	VDDC	-	
94	D16	VDDC	-	
95	D17	VDDC	-	
96	D18	VDDC	-	
97	D19	VDDC	-	
98	D20	VDDC	-	Power supply +1.5 V
99	D21	VDDC	-	
100	D22	VSS	-	Ground
101	D23	VSS	-	
102	D24	CD14	I/O	Data bus of internal register
103	D25	CD13	I/O	
104	D26	CD12	I/O	
105	E1	ACLK	I/O	Clock signal (ABUS)
106	E2	ADIR	O	Direction signal (ABUS)
107	E3	ADAT15	I/O	Data bus (ABUS)
108	E4	VSS	-	Ground
109	E23	VSS	-	
110	E24	CD11	I/O	Data bus of internal register
111	E25	CD10	I/O	
112	E26	CD9	I/O	
113	F1	MELI7	I	MEL wave data input
114	F2	DITo	O	Digital audio output
115	F3	AFRM	I/O	Frame signal (ABUS)
116	F4	VDDC	-	Power supply +1.5 V
117	F23	VDDS	-	Power supply +3.3 V
118	F24	CD8	I/O	Data bus of internal register
119	F25	CD7	I/O	
120	F26	CD6	I/O	
121	G1	MELI4	I	MEL wave data input
122	G2	MELI5	I	
123	G3	MELI6	I	
124	G4	VDDC	-	Power supply +1.5 V
125	G23	VDDS	-	Power supply +3.3 V
126	G24	CD5	I/O	Data bus of internal register
127	G25	CD4	I/O	
128	G26	CD3	I/O	
129	H1	MELI1	I	MEL wave data input
130	H2	MELI2	I	
131	H3	MELI3	I	
132	H4	VDDC	-	Power supply +1.5 V
133	H23	VDDS	-	Power supply +3.3 V
134	H24	CD2	I/O	Data bus of internal register
135	H25	CD1	I/O	
136	H26	CD0	I/O	
137	J1	BCLK	O	Master clock (64 Fs)
138	J2	ADLR	O	For ADC word clock
139	J3	MELI0	I	MEL wave data input
140	J4	VDDC	-	Power supply +1.5 V
141	J23	VDDS	-	Power supply +3.3 V
142	J24	CA0	I	Address bus of internal register
143	J25	CA1	I	
144	J26	CA2	I	
145	K1	WCLK0	O	For DAC word clock
146	K2	CK512	O	Master clock (512 Fs)
147	K3	CK128	O	Master clock (256 Fs)
148	K4	VDDC	-	Power supply +1.5 V
149	K23	VDDS	-	Power supply +3.3 V
150	K24	CA3	I	Address bus of internal register
151	K25	CA4	I	
152	K26	CA5	I	
153	L1	MELO6	O	MEL wave data output
154	L2	MELO7	O	
155	L3	WCLK1	O	For DAC word clock
156	L4	VDDC	-	Power supply +1.5 V
157	L11	VSS	-	Ground
158	L12	VSS	-	
159	L13	VSS	-	
160	L14	VSS	-	
161	L15	VSS	-	
162	L16	VSS	-	
163	L23	VDDS	-	Power supply +3.3 V
164	L24	CA6	I	Address bus of internal register
165	L25	CA7	I	
166	L26	CA8	I	
167	M1	MELO3	O	MEL wave data output
168	M2	MELO4	O	
169	M3	MELO5	O	
170	M4	VDDC	-	Power supply +1.5 V
171	M11	VSS	-	Ground
172	M12	VSS	-	
173	M13	VSS	-	
174	M14	VSS	-	
175	M15	VSS	-	
176	M16	VSS	-	
177	M23	VDDS	-	Power supply +3.3 V
178	M24	CA9	I	Address bus of internal register
179	M25	CA10	I	
180	M26	CA11	I	
181	N1	MELO0	O	MEL wave data output
182	N2	MELO1	O	
183	N3	MELO2	O	
184	N4	VDDC	-	Power supply +1.5 V
185	N11	VSS	-	Ground
186	N12	VSS	-	
187	N13	VSS	-	
188	N14	VSS	-	
189	N15	VSS	-	
190	N16	VSS	-	
191	N23	PLL_AVS	-	Analog ground (PLL)
192	N24	CA12	I	Address bus of internal register
193	N25	CA13	I	
194	N26	CA14	I	

PIN NO.	OUTER NO.	NAME	I/O	FUNCTION
195	P1	LMD11	I/O	Wave memory data bus (Lower 16 bit)
196	P2	LMD4	I/O	
197	P3	LMD3	I/O	
198	P4	VDDS	-	Power supply +3.3 V
199	P11	VSS	-	Ground
200	P12	VSS	-	
201	P13	VSS	-	
202	P14	VSS	-	
203	P15	VSS	-	
204	P16	VSS	-	
205	P23	PLL_AVD	-	Analog power supply +1.5 V (PLL)
206	P24	CA15	I	Address bus of internal register
207	P25	XI	I	Crystal oscillator input
208	P26	XO	O	Crystal oscillator output
209	R1	LMD12	I/O	Wave memory data bus (Lower 16 bit)
210	R2	LMD10	I/O	
211	R3	LMD5	I/O	
212	R4	VDDS	-	Power supply +3.3 V
213	R11	VSS	-	Ground
214	R12	VSS	-	
215	R13	VSS	-	
216	R14	VSS	-	
217	R15	VSS	-	
218	R16	VSS	-	
219	R23	VDDC	-	Power supply +1.5 V
220	R24	PLL_TSTN	I	Test pin
221	R25	RFCLKi	I	PLL Clock
222	R26	RFCLKo	O	
223	T1	LMD2	I/O	Wave memory data bus (Lower 16 bit)
224	T2	LMD13	I/O	
225	T3	LMD6	I/O	
226	T4	VDDS	-	Power supply +3.3 V
227	T11	VSS	-	Ground
228	T12	VSS	-	
229	T13	VSS	-	
230	T14	VSS	-	
231	T15	VSS	-	
232	T16	VSS	-	
233	T23	VDDC	-	Power supply +1.5 V
234	T24	CSN1	I	Chip select
235	T25	CSN0	I	
236	T26	PLL_BP	I	Test pin
237	U1	LMD9	I/O	Wave memory data bus (Lower 16 bit)
238	U2	LMD14	I/O	
239	U3	LMD1	I/O	
240	U4	VDDS	-	Power supply +3.3 V
241	U23	VDDC	-	Power supply +1.5 V
242	U24	TRST	I	Test pin
243	U25	RDN	I	Read strobe
244	U26	WRN	I	Write strobe
245	V1	LMD7	I/O	Wave memory data bus (Lower 16 bit)
246	V2	LMD8	I/O	
247	V3	LMD15	I/O	
248	V4	VDDS	-	Power supply +3.3 V
249	V23	VDDC	-	Power supply +1.5 V
250	V24	TCK	I	Test pin
251	V25	DREQo	O	DMA request
252	V26	WAITo	O	Hardware wait request
253	W1	LMD0	I/O	Wave memory data bus (Lower 16 bit)
254	W2	LMA30	O	Wave memory address bus (Lower data memory)
255	W3	LMA29	O	
256	W4	VDDS	-	Power supply +3.3 V
257	W23	VDDC	-	Power supply +1.5 V
258	W24	TMS	I	Test pin
259	W25	SLAVE	I	Master/Slave select
260	W26	IRQo	O	Interrupt request
261	Y1	LMA28	O	Wave memory address bus (Lower data memory)
262	Y2	LMA27	O	
263	Y3	LMA26	O	
264	Y4	VDDS	-	Power supply +3.3 V
265	Y23	VDDC	-	Power supply +1.5 V
266	Y24	TDI	I	Test pin
267	Y25	KONTRGi	I	Key on data
268	Y26	ICN	I	Initial clear
269	AA1	LMA25	O	Wave memory address bus (Lower data memory)
270	AA2	LMA0	O	
271	AA3	LMA24	O	
272	AA4	VDDS	-	Power supply +3.3 V
273	AA23	VDDC	-	Power supply +1.5 V
274	AA24	TDO	O	Test pin
275	AA25	EIRQ	O	E bus interrupt request
276	AA26	KONTRGo	O	Key on data
277	AB1	LMA22	O	Wave memory address bus (Lower data memory)
278	AB2	LMA23	O	
279	AB3	LMA21	O	
280	AB4	VSS	-	Ground
281	AB23	VSS	-	
282	AB24	TMODE	I	Test pin
283	AB25	ESDA	I/O	E bus data
284	AB26	EICN	O	E bus initial clear
285	AC1	LMA1	O	Wave memory address bus (Lower data memory)
286	AC2	LMA20	O	
287	AC3	LMA2	O	
288	AC4	VSS	-	Ground
289	AC5	VSS	-	
290	AC6	VDDC	-	Power supply +1.5 V
291	AC7	VDDC	-	
292	AC8	VDDC	-	Power supply +1.5 V
293	AC9	VDDC	-	
294	AC10	VDDC	-	
295	AC11	VDDC	-	
296	AC12	VDDC	-	
297	AC13	VDDC	-	
298	AC14	VDDS	-	Power supply +3.3 V
299	AC15	VDDS	-	
300	AC16	VDDS	-	
301	AC17	VDDS	-	
302	AC18	VDDS	-	
303	AC19	VDDS	-	
304	AC20	VDDS	-	
305	AC21	VDDS	-	
306	AC22	VSS	-	Ground
307	AC23	VSS	-	
308	AC24	TEST1	I	Test pin
309	AC25	SYI	I	Synchronous clock
310	AC26	ESCL	I/O	E bus clock
311	AD1	LMA19	O	Wave memory address bus (Lower data memory)
312	AD2	LMA3	O	
313	AD3	VSS	-	Ground
314	AD4	LMA17	O	Wave memory address bus (Lower data memory)
315	AD5	LMA6	O	
316	AD6	LMA8	O	
317	AD7	LMA13	O	
318	AD8	LMA11	O	
319	AD9	HMD11	I/O	Wave memory data bus (Upper data memory)
320	AD10	HMD12	I/O	
321	AD11	HMD2	I/O	
322	AD12	HMD9	I/O	
323	AD13	HMD7	I/O	
324	AD14	HMA29	O	Wave memory address bus (Upper data memory)
325	AD15	HMA26	O	
326	AD16	HMA24	O	
327	AD17	HMA21	O	
328	AD18	HMA2	O	
329	AD19	HMA18	O	
330	AD20	HMA5	O	
331	AD21	HMA7	O	
332	AD22	HMA14	O	
333	AD23	HMA10	O	
334	AD24	VSS	-	Ground
335	AD25	VSS	-	
336	AD26	SYO	O	Synchronous clock
337	AE1	VSS	-	Ground
338	AE2	VSS	-	
339	AE3	LMA18	O	Wave memory address bus (Lower data memory)
340	AE4	LMA5	O	
341	AE5	LMA7	O	
342	AE6	LMA14	O	
343	AE7	LMA10	O	
344	AE8	MWEN	O	Wave memory write enable
345	AE9	HMD4	I/O	Wave memory data bus (Upper data memory)
346	AE10	HMD10	I/O	
347	AE11	HMD13	I/O	
348	AE12	HMD14	I/O	
349	AE13	HMD8	I/O	
350	AE14	HMA30	O	Wave memory address bus (Upper data memory)
351	AE15	HMA27	O	
352	AE16	HMA0	O	
353	AE17	HMA23	O	
354	AE18	HMA20	O	
355	AE19	HMA3	O	
356	AE20	HMA17	O	
357	AE21	HMA6	O	
358	AE22	HMA8	O	
359	AE23	HMA13	O	
360	AE24	HMA11	O	
361	AE25	VSS	-	Ground
362	AE26	VSS	-	
363	AF1	VSS	-	
364	AF2	VSS	-	
365	AF3	LMA4	O	Wave memory address bus (Lower data memory)
366	AF4	LMA16	O	
367	AF5	LMA15	O	
368	AF6	LMA9	O	
369	AF7	LMA12	O	
370	AF8	MOEN	O	Wave memory output enable
371	AF9	HMD3	I/O	Wave memory data bus (Upper data memory)
372	AF10	HMD5	I/O	
373	AF11	HMD6	I/O	
374	AF12	HMD1	I/O	
375	AF13	HMD15	I/O	
376	AF14	HMD0	I/O	
377	AF15	HMA28	O	Wave memory address bus (Upper data memory)
378	AF16	HMA25	O	
379	AF17	HMA22	O	
380	AF18	HMA1	O	
381	AF19	HMA19	O	
382	AF20	HMA4	O	
383	AF21	HMA16	O	
384	AF22	HMA15	O	
385	AF23	HMA9	O	
386	AF24	HMA12	O	
387	AF25	VSS	-	Ground
388	AF26	VSS	-	

● µPD720150GK-9EU-A (YD546A00) USB CONTROLLER

DM: IC406 (PSR-S950)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	V_{SS}	-	Ground	48	XT1	I	Oscillator in Connect to 30 MHz crystal.
2	A5	I	(Separate mode) Address bus				
3	A4	I	(Separate mode) Address bus	49	XT2	O	Oscillator out Connect to 30 MHz crystal.
4	A3	I	(Separate mode) Address bus				
5	A2	I	(Separate mode) Address bus	50	V_{SS}	-	Ground
6	ALE/A1	I	(Separate mode) Address bus / (Multiplex mode) Address strobe signal	51	TESTEN	I	Test signal This must be opened on board.
7	D15	I/O	Data bus	52	TRST	I	Test signal This must be opened on board.
8	V_{DD15}	-	+1.5 V power supply. These pins must be supplied from VDD15OUT, output from internal regulator.	53	TEST	I	Test signal This must be opened on board.
9	D14	I/O	Data bus	54	VDD15OUT	O	+1.5V voltage output from internal regulator.
10	D13	I/O	Data bus	55	V_{DD}	-	+3.3V power supply
11	D12	I/O	Data bus	56	V_{DD}	-	+3.3V power supply
12	V_{DD}	-	+3.3V power supply	57	V_{SS}	-	Ground
13	D11	I/O	Data bus	58	TESTREG	I	Test signal This must be opened on board.
14	D10	I/O	Data bus				
15	V_{SS}	-	Ground	59	AV_{SS} (R)	-	Ground for reference resistor
16	D9	I/O	Data bus	60	RREF	-	RREF must be connected to a 1% precision reference resistor of 1.6 kΩ. The other side of the resistor must be connected to AV_{SS}(R) which must be connected to stable AV_{SS}.
17	AD8/D8	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus				
18	AD7/D7	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	61	AV_{DD33}	-	+3.3V power supply for analog circuit.
19	AD6/D6	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	62	AV_{DD15}	-	+1.5V power supply for analog circuit.
				63	AV_{SS}	-	Ground for analog circuit
20	AD5/D5	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	64	V_{SS}	-	Ground
				65	DM1	I/O	USB D- signal
21	V_{DD}	-	+3.3V power supply	66	DP1	I/O	USB D+ signal
22	AD4/D4	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	67	V_{DD15}	-	+1.5V power supply. These pins must be supplied from VDD15OUT, output from internal regulator.
23	AD3/D3	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	68	V_{DD}	-	+3.3V power supply
24	V_{SS}	-	Ground	69	DM2	I/O	USB D- signal
25	AD2/D2	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	70	DP2	I/O	USB D+ signal
				71	V_{SS}	-	Ground
26	AD1/D1	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	72	OCI20/VBUS	I	(Host) Over-current status input of the down stream facing port / (Peripheral) VBUS monitoring signal 0: Over-current condition is detected. / 0: VBUS is not detected. 1: No over-current condition is detected. / 1: VBUS is detected.
27	D0	I/O	Data bus				
28	V_{DD15}	-	+1.5V power supply. These pins must be supplied from VDD15OUT, output from internal regulator.				
29	CS0	I	Chip select signal				
30	RD0	I	Read enable signal	73	V_{DD}	-	+3.3V power supply
31	WR0	I	Write enable signal	74	PPON2	O	(Host) USB port power supply control output for downstream facing ports. 0: Power supply OFF 1: Power supply ON
32	INT	O	Interrupt request signal				
33	DREQ1	O	DMA request signal				
34	DACK1	I	DMA acknowledge signal				
35	V_{DD}	-	+3.3V power supply	75	OCI10	I	(Host) Over-current status input of the down stream facing port 0: Over-current condition is detected. 1: No over-current condition is detected.
36	DREQ2	O	DMA request signal				
37	DACK2	I	DMA acknowledge signal				
38	V_{SS}	-	Ground				
39	GPIO5	I/O	General purpose I/O	76	PPON1	O	(Host) USB port power supply control output for downstream facing ports. 0: Power supply OFF 1: Power supply ON
40	GPIO4	I/O	General purpose I/O				
41	GPIO3	I/O	General purpose I/O				
42	GPIO2	I/O	General purpose I/O				
43	GPIO1	I/O	General purpose I/O	77	ALEPOL	I	ALE Active level select signal ALE 0: Low active 1: High active
44	GPIO0	I/O	General purpose I/O				
45	BUSMODE	I	Bus mode select signal (Separate/Multiplex). 0: Multiplex mode 1: Separate mode	78	A8	I	(Separate mode) Address bus
				79	A7	I	(Separate mode) Address bus
46	RST0	I	Asynchronous reset signal	80	A6	I	(Separate mode) Address bus
47	V_{DD}	-	+3.3V power supply				

• S1D13700F01A100 (X5422A00) LCD CONTROLLER

DM: IC14 (PSR-S750)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	VSS	–	Ground	33	VSS	–	Ground
2	AB12	I	Adorress bus	34	XCD1	O	Drain output
3	AB11	I		35	XCG1	I	Gate input
4	AB10	I		36	RESET#	I	Reset
5	AB9	I		37	SCANEN	I	Test mode set up input
6	AB8	I		38	TESTEN	I	
7	HIOVDD	–	Power supply	39	CLKI	I	Externally sourced system clock
8	AB7	I	Adorress bus	40	COREVDD	–	Power supply
9	AB6	I		41	RD#	I	Read strobe
10	AB5	I		42	WR#	I	Write strobe
11	AB4	I		43	CS#	I	Chip select
12	COREVDD	–	Power supply	44	DB7	I/O	Data bus
13	AB3	I	Adorress bus	45	DB6	I/O	
14	AB2	I		46	DB5	I/O	
15	AB1	I		47	DB4	I/O	
16	AB0	I		48	HIOVDD	–	Power supply
17	VSS	–	Ground	49	DB3	I/O	Data bus
18	FPDAT3	O	Data bus	50	DB2	I/O	
19	FPDAT2	O		51	DB1	I/O	
20	FPDAT1	O		52	DB0	I/O	
21	FPDAT0	O		53	VSS	–	Ground
22	NIOVDD	–	Power supply	54	WAIT#	O	Wait output
23	FPSHIFT	O	Shift clock	55	HIOVDD	–	Power supply
24	XECL	O	X driver enable chain clock	56	CNF0	I	Input pin for S1D 13700 setting
25	COREVDD	–	Power supply	57	CNF1	I	
26	FPLINE	O	Latch pulse	58	CNF2	I	
27	MOD	O	Frame signal	59	CNF3	I	
28	VSS	–	Ground	60	CNF4	I	
29	YSCL	O	Scan shift clock	61	AS#	I	Address strobe
30	FPFRAME	O	Scan start pluse	62	AB15	I	Address bus
31	YDIS	O	LCD power-down output	63	AB14	I	
32	NIOVDD	–	Power supply	64	AB13	I	

• µPD780031AYGK-N04 (X003120R) LKS

EMKS61A: IC001

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	P50/A8	I/O	Port 5 / Higher address bus	33	P10/ANI0	I	Port 1 / A/D converter analog input
2	P51/A9	I/O		34	AV_{REF}	I	A/D converter reference voltage input
3	P52/A10	I/O		35	AV_{DD}	-	Analog power supply
4	P53/A11	I/O		36	$\overline{RESET}$	I	System reset input
5	P54/A12	I/O		37	XT2	-	Subsystem clock oscillation
6	P55/A13	I/O		38	XT1	I	
7	P56/A14	I/O		39	IC	-	Internally connected
8	P57/A15	I/O		40	X2	-	Main system clock oscillation
9	Vss0	-	Ground	41	X1	I	
10	$V_{DD}0$	-	Power supply	42	Vss1	-	Ground
11	P30	I/O	Port 3	43	P00/INTP0	I/O	Port 0 / External interrupt request input
12	P31	I/O		44	P01/INTP1	I/O	
13	P32/SDA0	I/O	Port 3 / Serial data input/output	45	P02/INTP2	I/O	
14	P33/SCL0	I/O	Port 3 / Serial clock input/output	46	P03/INTP3/ADTRG	I/O	Port 0 / External interrupt request input / Trigger signal input
15	P34	I/O	Port 3	47	P70/TI00/TO0	I/O	Port 7 / External count clock input / 16-bit timer/event counter 0 output
16	P35	I/O		48	P71/TI01	I/O	Port 7 / Capture trigger input
17	P36	I/O		49	P72/TI50/TO50	I/O	Port 7 / External count clock input / 8-bit timer/event counter 50 output
18	P20/SI30	I/O	Port 2 / Serial data input	50	P73/TI51/TO51	I/O	Port 7 / External count clock input / 8-bit timer/event counter 51 output
19	P21/SO30	I/O	Port 2 / Serial data output	51	P74/PCL	I/O	Port 7 / Clock output
20	P22/$\overline{SCK30}$	I/O	Port 2 / Serial clock input/output	52	P75/BUZ	I/O	Port 7 / Buzzer output
21	P23RxD0	I/O	Port 2 / Serial data input	53	P64/$\overline{RD}$	I/O	Port 6 / Strobe signal output for reading
22	P24/TxD0	I/O	Port 2 / Serial data output	54	P65/$\overline{WR}$	I/O	Port 6 / Strobe signal output for writing
23	P25/ASCK0	I/O	Port 2 / Serial clock input/output	55	P66/$\overline{WAIT}$	I/O	Port 6 / Wait insertion
24	$V_{DD}1$	-	Power supply	56	P67/ASTB	I/O	Port 6 / Strobe output
25	AVss	-	Ground	57	P40/AD0	I/O	Port 4 / Lower address/data bus
26	P17/ANI7	I	Port 1 / A/D converter analog input	58	P41/AD1	I/O	
27	P16/ANI6	I		59	P42/AD2	I/O	
28	P15/ANI5	I		60	P43/AD3	I/O	
29	P14/ANI4	I		61	P44/AD4	I/O	
30	P13/ANI3	I		62	P45/AD5	I/O	
31	P12/ANI2	I		63	P46/AD6	I/O	
32	P11/ANI1	I		64	A47/AD7	I/O	

● TMP89FW24AFG-7KH4 (YD841B00) E-PNS3a

PNM: IC1

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	P96	I/O	PORT96	41	P52	I/O	PORT52
2	P97	I/O	PORT97	42	P53	I/O	PORT53
3	VDD	-	VDD pin	43	P54	I/O	PORT54
4	P00	I/O	PORT00	44	P55	I/O	PORT55
5	VSS	-	GND pin	45	P56	I/O	PORT56
6	P01	I/O	PORT01	46	P57	I/O	PORT57
7	$\overline{\text{RESET}}$	I	Reset signal input	47	P60	I/O	PORT60
8	P02	I/O	PORT02	48	P61	I/O	PORT61
9	P03	I/O	PORT03	49	P62	I/O	PORT62
10	MODE	I	Test pin for out-going test (fix to Low level).	50	P63	I/O	PORT63
11	AVSS	-	Analog GND pin	51	P64	I/O	PORT64
12	AVDD	-	Analog power supply pin.	52	P65	I/O	PORT65
13	VAREF	I	Analog reference voltage input pin for A/D conversion.	53	P66	I/O	PORT66
14	AIN0	I	Analog input 0	54	P67	I/O	PORT67
15	AIN1	I	Analog input 1	55	P70	I/O	PORT70
16	AIN2	I	Analog input 2	56	P71	I/O	PORT71
17	AIN3	I	Analog input 3	57	P72	I/O	PORT72
18	AIN4	I	Analog input 4	58	P73	I/O	PORT73
19	AIN5	I	Analog input 5	59	P74	I/O	PORT74
20	AIN6	I	Analog input 6	60	P75	I/O	PORT75
21	AIN7	I	Analog input 7	61	P76	I/O	PORT76
22	VLC	-	Power supply pin for LCD driver.	62	P77	I/O	PORT77
23	P12	I/O	PORT12	63	COM0	O	LCD common output 0
24	P13	I/O	PORT13	64	COM1	O	LCD common output 1
25	P20	I/O	PORT20	65	COM2	O	LCD common output 2
26	P21	I/O	PORT21	66	COM3	O	LCD common output 3
27	P22	I/O	PORT22	67	SDA0	I/O	I2C bus data input/output 0
28	P23	I/O	PORT23	68	SCL0	I/O	I2C bus clock input/output 0
29	P24	I/O	PORT24	69	P82	I/O	PORT82
30	P25	I/O	PORT25	70	P83	I/O	PORT83
31	P30	I/O	PORT30	71	P84	I/O	PORT84
32	P31	I/O	PORT31	72	P85	I/O	PORT85
33	P32	I/O	PORT32	73	P86	I/O	PORT86
34	P33	I/O	PORT33	74	P87	I/O	PORT87
35	P34	I/O	PORT34	75	P90	I/O	PORT90
36	P35	I/O	PORT35	76	P91	I/O	PORT91
37	P36	I/O	PORT36	77	P92	I/O	PORT92
38	P37	I/O	PORT37	78	P93	I/O	PORT93
39	P50	I/O	PORT50	79	P94	I/O	PORT94
40	P51	I/O	PORT51	80	P95	I/O	PORT95

● BH7236AF-E2 (XS062A00) RGB ENCODER

DM: IC411 (PSR-S950)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	GND1	-	Ground terminal except 75Ω driver.	13	N.C.	-	No Connection
2	RIN	O	Analog Red signal input terminal.	14	N.C.	-	No Connection
3	GIN	O	Analog Green signal input terminal.	15	COUT	I	Chroma signal output terminal.
4	BIN	O	Analog Blue signal input terminal.	16	YOUT	I	Luminance signal output terminal.
5	N.C.	-	No Connection	17	YTRAP	O	Luminance trap filter terminal.
6	SCIN	O	Color subcarrier input terminal.	18	N.C.	-	No Connection
7	NT/PAL	O	Input terminal for the selection of TV format.	19	VCC2	-	Power supply terminal for 75Ω driver.
8	BFPOUT	I	Burst timing signal output terminal.	20	VOUT	I	Composite video output terminal.
9	N.C.	-	No Connection	21	BOUT	I	Analog B signal output terminal.
10	SYNCIN	O	Composite sync input terminal.	22	GOUT	I	Analog G signal output terminal.
11	SYNCOUT	I	Composite sync output terminal.	23	ROUT	I	Analog R signal output terminal.
12	VCC1	-	Power supply terminal except 75Ω driver.	24	GND2	-	Ground terminal for 75Ω driver.

● YGV628B-VZ (X6356B00) RGB CONTROLLER AVDP7

DM: IC407 (PSR-S950)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	A23	I	CPU address bus	89	SA13	O	Video memory address bus
2	A22	I		90	VDD	-	Digital power supply +3.3 V
3	A21	I		91	SA11	O	Video memory address bus
4	A20	I		92	SA12	O	
5	VDD	-	Digital power supply +3.3 V	93	SA9	O	
6	A19	I	CPU address bus	94	SA10	O	
7	VSS	-	Digital ground	95	SA8	O	
8	A18	I	CPU address bus	96	SA0	O	
9	A17	I		97	VSS	-	Digital ground
10	A16	I		98	SA1	O	Video memory address bus
11	A15	I		99	SA6	O	
12	A14	I		100	SA7	O	
13	A13	I		101	VDD	-	Digital power supply +3.3 V
14	A12	I		102	SA2	O	Video memory address bus
15	A11	I		103	SA5	O	
16	A10	I		104	SA3	O	
17	A9	I		105	SA4	O	
18	A8	I		106	VSS	-	Digital ground
19	VDD	-	Digital power supply +3.3 V	107	GCK2OUT	O	Dot clock output 2
20	VSS	-	Digital ground	108	VDD	-	Digital power supply +3.3 V
21	A7	I	CPU address bus	109	DRO0	O	Digital R signal output
22	A6	I		110	DRO1	O	
23	A5	I		111	DRO2	O	
24	A4	I		112	DRO3	O	
25	A3	I		113	DRO4	O	
26	A2	I		114	DRO5	O	
27	A1	I		115	DGO0	O	Digital G signal output
28	WRH_N	I	Write strobe input	116	DGO1	O	
29	WRL_N	I		117	VSS	-	Digital ground
30	RD_N	I	Read pulse input	118	DGO2	O	Digital G signal output
31	RESET_N	I	Reset input	119	DGO3	O	
32	VSS	-	Digital ground	120	VDD	-	Digital power supply +3.3 V
33	CS_N	I	Chip select	121	DGO4	O	Digital G signal output
34	VDD	-	Digital power supply +3.3 V	122	DGO5	O	
35	DREQ_N	O	Direct memory access	123	DBO0	O	Digital B signal output
36	INT_N	O	Interrupt	124	DBO1	O	
37	READY_N	O	CPU bus ready	125	DBO2	O	
38	WAIT_N	O	CPU bus wait	126	DBO3	O	
39	D15	I/O	CPU data bus	127	VSS	-	Digital ground
40	D14	I/O		128	DBO4	O	Digital B signal output
41	D13	I/O		129	DBO5	O	
42	D12	I/O		130	YS_N	O	YS signal output
43	VSS	-	Digital ground	131	BLANK_N	O	Non-display interval output
44	D11	I/O	CPU data bus	132	VDD	-	Digital power supply +3.3 V
45	D10	I/O		133	DACVSS	-	DAC analog ground
46	VDD	-	Digital power supply +3.3 V	134	R	O	Analog R signal output
47	D9	I/O	CPU data bus	135	G	O	Analog G signal output
48	D8	I/O		136	B	O	Analog B signal output
49	D7	I/O		137	IREF	-	DAC reference electric-current input
50	D6	I/O		138	DACVDD	-	DAC analog power supply +3.3 V
51	D5	I/O		139	TEST2_N	I	Test pin
52	D4	I/O		140	TEST1_N	I	
53	VSS	-	Digital ground	141	TEST0_N	I	
54	D3	I/O	CPU data bus	142	CSYNC_N	O	Horizontal synchronized signal / Compound synchronized signal output
55	D2	I/O		143	VSYNC_N	O	Vertical synchronized signal output
56	D1	I/O		144	GCK1OUT	O	Dot clock output 1
57	D0	I/O		145	VDD	-	Digital power supply +3.3 V
58	VDD	-	Digital power supply +3.3 V	146	GCK2IN	I	Dot clock input 2
59	SDQ0	I/O	Video memory data bus	147	DRI0	I	Digital R signal input
60	SDQ15	I/O		148	VSS	-	Digital ground
61	VSS	-	Digital ground	149	DRI1	I	Digital R signal input
62	SDQ1	I/O	Video memory data bus	150	DRI2	I	
63	SDQ14	I/O		151	DRI3	I	
64	SDQ2	I/O		152	DRI4	I	
65	SDQ13	I/O		153	DRI5	I	
66	SDQ3	I/O		154	DGI0	I	Digital G signal input
67	VSS	-	Digital ground	155	DGI1	I	
68	SDQ12	I/O	Video memory data bus	156	DGI2	I	
69	VDD	-	Digital power supply +3.3 V	157	DGI3	I	
70	SDQ4	I/O	Video memory data bus	158	VDD	-	Digital power supply +3.3 V
71	SDQ11	I/O		159	DGI4	I	Digital G signal input
72	SDQ5	I/O		160	VSS	-	Digital ground
73	SDQ10	I/O		161	DGI5	I	Digital G signal input
74	VSS	-	Digital ground	162	DBI0	I	Digital B signal input
75	SDQ6	I/O	Video memory data bus	163	DBI1	I	
76	SDQ9	I/O		164	DBI2	I	
77	SDQ7	I/O		165	DBI3	I	
78	SDQ8	I/O		166	DBI4	I	
79	VDD	-	Digital power supply +3.3 V	167	DBI5	I	
80	LDQM	O	Video memory data mask output	168	HSIN_N	I	Horizontal synchronized signal input
81	VSS	-	Digital ground	169	VSIN_N	I	Vertical synchronized signal input
82	WE_N	O	Video memory write enable	170	VDD	-	Digital power supply +3.3 V
83	UDQM	O	Video memory data mask output	171	VSS	-	Digital ground
84	CAS_N	O	Video memory column address strobe output	172	GCK1IN	I	Dot clock input 1
85	SDCKOUT	O	Video memory clock output	173	SYCKIN	I	System clock input
86	RAS_N	O	Video memory low address strobe output	174	PLLVDD	-	PLL analog power supply +3.3 V
87	VSS	-	Digital ground	175	PLLVSS	-	PLL analog ground
88	SCS_N	O	Video memory chip enable	176	FILTER	-	Filter connect pin for PLL

• **AK5357ET-E2** (X7585A00) **ADC** (Analog to Digital Converter)

DM: IC510 (PSR-S750)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	AINR	I	Rch Analog input pin	9	SDTO	O	Audio serial data output pin
2	AINL	I	Lch Analog input pin	10	LRCK	I/O	Output channel clock pin
3	CKS1	I	Mode select 1 pin	11	MCLK	I	Master clock input pin
4	VCOM	O	Common voltage output pin	12	SCLK	I/O	Audio serial data clock pin
5	AGND	-	Analog ground	13	PDN	I	Power down mode pin
6	VA	-	Analog power supply +5 V	14	DIF	I	Audio interface format pin
7	VD	-	Digital power supply +3.3 V	15	CKS2	I	Mode select 2 pin
8	DGND	-	Digital ground	16	CKS0	I	Mode select 0 pin

• **AK5381VT-E2** (X5219A0R) **ADC** (Analog to Digital Converter)

DM: IC802, IC803 (PSR-S950)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	AINR	I	Rch Analog input pin	9	SDTO	O	Audio serial data output pin
2	AINL	I	Lch Analog input pin	10	LRCK	I/O	Output channel clock pin
3	CKS1	I	Mode select 1 pin	11	MCLK	I	Master clock input pin
4	VCOM	O	Common voltage output pin	12	SCLK	I/O	Audio serial data clock pin
5	AGND	-	Analog ground	13	PDN	I	Power down mode pin
6	VA	-	Analog power supply	14	DIF	I	Audio interface format pin
7	VD	-	Digital power supply	15	CKS2	I	Mode select 2 pin
8	DGND	-	Digital ground	16	CKS0	I	Mode select 0 pin

• **AK4396VF-E2** (X8324A00) **DAC** (Digital to Analog Converter)

DM: IC801 (PSR-S950)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	DV_{SS}	-	Digital ground	15	TTL	I	CMOS/TTL level select
2	DV_{DD}	-	Digital power supply +3.3 V	16	VREFL	I	Low level voltage reference input
3	MCLK	I	Master clock input	17	VREFH	I	High level voltage reference input
4	PDN	I	Power-down mode	18	AV_{DD}	-	Analog power supply +5 V
5	BICK	I	Audio serial data clock	19	AV_{SS}	-	Analog ground
6	SDATA	I	Audio serial data input	20	AOUTR-	O	Rch negative analog output
7	LRCK	I	L/R clock	21	AOUTR+	O	Rch positive analog output
8	SMUTE/CSN	I	Soft mute/Chip select	22	AOUTL-	O	Lch negative analog output
9	DFS0/CAD0	I	Sampling speed mode select/Chip address 0	23	AOUTL+	O	Lch positive analog output
10	DEM0/CCLK	I	De-emphasis enable 0/Control data clock	24	VCOM	O	Common voltage output
11	DEM1/CDTI	I	De-emphasis enable 1/Control data input	25	P/S	I	Parallel/serial select
12	DIF0	I	Digital input format	26	TST1/DZFL	O	Test 1/Lch zero input detect
13	DIF1	I		27	TST2/CAD1	I	Test 2/Chip address 1
14	DIF2	I		28	ACKS/DZFR	I/O	Master clock auto setting mode/Rch zero input detect

DM: IC506 (PSR-S750)
DM: IC900, IC901 (PSR-S950)

• **YDA164C-QZE2** (YD652A00) **DIGITAL AMP** (Digital Audio Power Amplifier)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	AVSS	-	Analog GND	17	HOPP	I	PWM Carrier Frequency Hopping setting pin
2	VREF	O	Analog Reference Voltage Output	18	PLIMIT	I	Power Limit setting pin
3	REFA	O	Internal Regulator Output	19	SLEEPN	I	Sleep Reset pin
4	DVDD	-	Digital Power	20	PROTN	O	Error Flag Output pin
5	MCK	I	Master Clock Input Pin	21	MUTEN	I	Mute pin
6	SDATA	I	Audio Data Input Pin	22	CKMOD	I	Clock Mode setting pin
7	SCLK	I	Bit Clock Input Pin	23	GAIN0	I	Gain setting pin 0
8	LRCLK	I	Word Clock Input Pin	24	GAIN1	I	Gain setting pin 1
9	DVSS	-	Digital GND	25	MONO	I	Stereo/Mono setting pin
10	PVSSR	-	GND for the digital amplifier output (Rch)	26	PVSSL	-	GND for the digital amplifier output (Lch)
11	PVDDPR	-	Power for the digital amplifier output (Rch+)	27	PVDDML	-	Power for the digital amplifier output (Lch-)
12	OUTPR	O	Digital Amplifier Output (Rch+)	28	OUTML	O	Digital Amplifier Output (Lch-)
13	PVSSR	-	GND for the digital amplifier output (Rch)	29	PVSSL	-	GND for the digital amplifier output (Lch)
14	OUTMR	O	Digital Amplifier Output (Rch-)	30	OUTPL	O	Digital Amplifier Output (Lch+)
15	PVDDMR	-	Power for the digital amplifier output (Rch-)	31	PVDDPL	-	Power for the digital amplifier output (Lch+)
16	PVSSR	-	GND for the digital amplifier output (Rch)	32	PVSSL	-	GND for the digital amplifier output (Lch)

● ISL85033IRTZ-T (YD766A00) DC-DC CONVERTER

DM: IC902 (PSR-S950)

PIN NO.	NAME	I/O	FUNCTION
1, 21	COMP1, COMP2	O	COMP1/COMP2 is the output of the error amplifier.
2, 20	FB1, FB2	I	Feedback pin for the regulator. FB is the negative input to the voltage loop error amplifier. COMP is the output of the error amplifier. The output voltage is set by an external resistor divider connected to FB. In addition, the PWM regulator's power-good and undervoltage protection circuits use FB1/2 to monitor the regulator output voltage.
3, 19	SS1, SS2	O	Soft-Start pins for each controller. The SS1/2 pins control the soft-start and sequence of their respective outputs. A single capacitor from the SS pin to ground determines the output ramp rate. See the "Application Guidelines" on page 18 for soft-start and output tracking/sequencing details. If SS pins are tied to VCC, an internal soft-start of 2ms will be used.
4, 18	PGND1, PGND2	-	Power ground connections. Connect directly to the system GND plane.
5, 17	BOOT1, BOOT2	I	Floating bootstrap supply pin for the power MOSFET gate driver. The bootstrap capacitor provides the necessary charge to turn on the internal N-Channel MOSFET. Connect an external capacitor from this pin to PHASE.
6, 7,15,16	PHASE1, PHASE2	O	Switch node output. It connects the source of the internal power MOSFET with the external output inductor and with the cathode of the external diode.
8, 9, 13, 14	VIN1, VIN2	I	The input supply for the power stage of the PWM regulator and the source for the internal linear regulator that provides bias for the IC. Place a minimum of 10µF ceramic capacitance from each VIN to GND and close to the IC for decoupling.
10, 12	EN1, EN2	I	PWM controller's enable inputs. The PWM controllers are held off when the pin is pulled to ground. When the voltage on this pin rises above 2V, the PWM controller is enabled.
11	VCC	O	Output of the internal 5V linear regulator. Decouple to PGND with a minimum of 4.7µF ceramic capacitor.
23	SYNCOUT	O	Synchronization output. Provides a signal that is the inverse of the SYNCIN signal.
24	SYNCIN	I	Connect to an external signal for synchronization from 300kHz to 2MHz (negative edge trigger). SYNCIN is not allowed to be floating. When SYNCIN = logic 0, PHASE1 and PHASE2 are running at 180° out-of-phase. When SYNCIN = logic 1, PHASE1 and PHASE2 are running at 0° in-phase. When SYNCIN = an external clock, PHASE1 and PHASE2 are running at 180° out-of-phase.
25	SGND	-	Signal ground connections. The exposed pad must be connected to SGND and soldered to the PCB. All voltage levels are measured with respect to this pin.
26	NC	-	This is a no connection pin.
27	FS	I	Frequency selection pin. Tie to VCC for 500kHz switching frequency. Connect a resistor to GND for adjustable frequency from 300kHz to 2MHz.
22, 28	PGOOD1, PGOOD2	O	Open drain power good output that is pulled to ground when the output voltage is below regulation limits or during the soft-start interval. There is an internal 5MΩ internal pull-up resistor.
-	PD	-	The exposed pad must be connected to the system GND plane with as many vias as possible for proper electrical and thermal performance.

● LT3506AEDHD#TRPBF (YC714A00) DC-DC CONVERTER

DM: IC502 (PSR-S750)

PIN NO.	NAME	I/O	FUNCTION
1, 8	BOOST1, BOOST2	I	The BOOST pins are used to provide drive voltages, higher than the input voltage, to the internal bipolar NPN power switches. Tie through a diode from V_{OUT} or from V_{IN}.
2, 7	SW1, SW2	O	The SW pins are the outputs of the internal power switches. Connect these pins to the inductors, catch diodes and boost capacitors.
3, 4	V_{IN1}	I	The V_{IN1} pins supply current to the LT3506's internal regulator and to the internal power switch connected to SW1. These pins must be locally bypassed.
5, 6	V_{IN2}	I	The V_{IN2} pins supply current to the internal power switch connected to SW2 and must be locally bypassed. Connect these pins directly to V_{IN1} unless power for channel 2 is coming from a different source.
13, 12	RUN/SS1, RUN/SS2	I	The RUN/SS pins are used to shut down the individual switcing regulators and the internal bias circuits. They also provide a soft-start function. To shut down either regulator, pull the RUN/SS pin to ground with an open drain or collector. Tie a capacitor from these pins to ground to limit switch current during start-up. If neither feature is used, leave these pins unconnected.
14,11	PG1, PG2	O	The Power Good pins are the open collector outputs of an internal comparator. PG remains low until the FB pin is within 10% of the final regulation voltage. As well as indicating output regulation, the PG pins can be used to sequence the two switching regulators. These pins can be left unconnected. The PG outputs are valid when V_{IN} is greater than 3.4V and either of the RUN/SS pins is high. The PG comparators are disabled in shutdown.
15, 10	V_{C1}, V_{C2}	O	The V_C pins are the outputs of the internal error amps. The voltages on these pins control the peak switch currents. These pins are normally used to compensate the control loops, but can also be used to override the loops. Pull these pins to ground with an open drain to shut down each switching regulator.
16, 9	FB1, FB2	I	The LT3506 regulaters each feedback pin to 800mV. Connect the feedback resistor divider taps to these pins.
17	Exposed Pad	-	The Exposed Pad of the package provides both electrical contact to ground and good thermal contact to the printed circuit board. The Exposed Pad must be soldered to the circuit board for proper operation.

● BD6590MUV-E2 (YD867A00) DC-DC CONVERTER

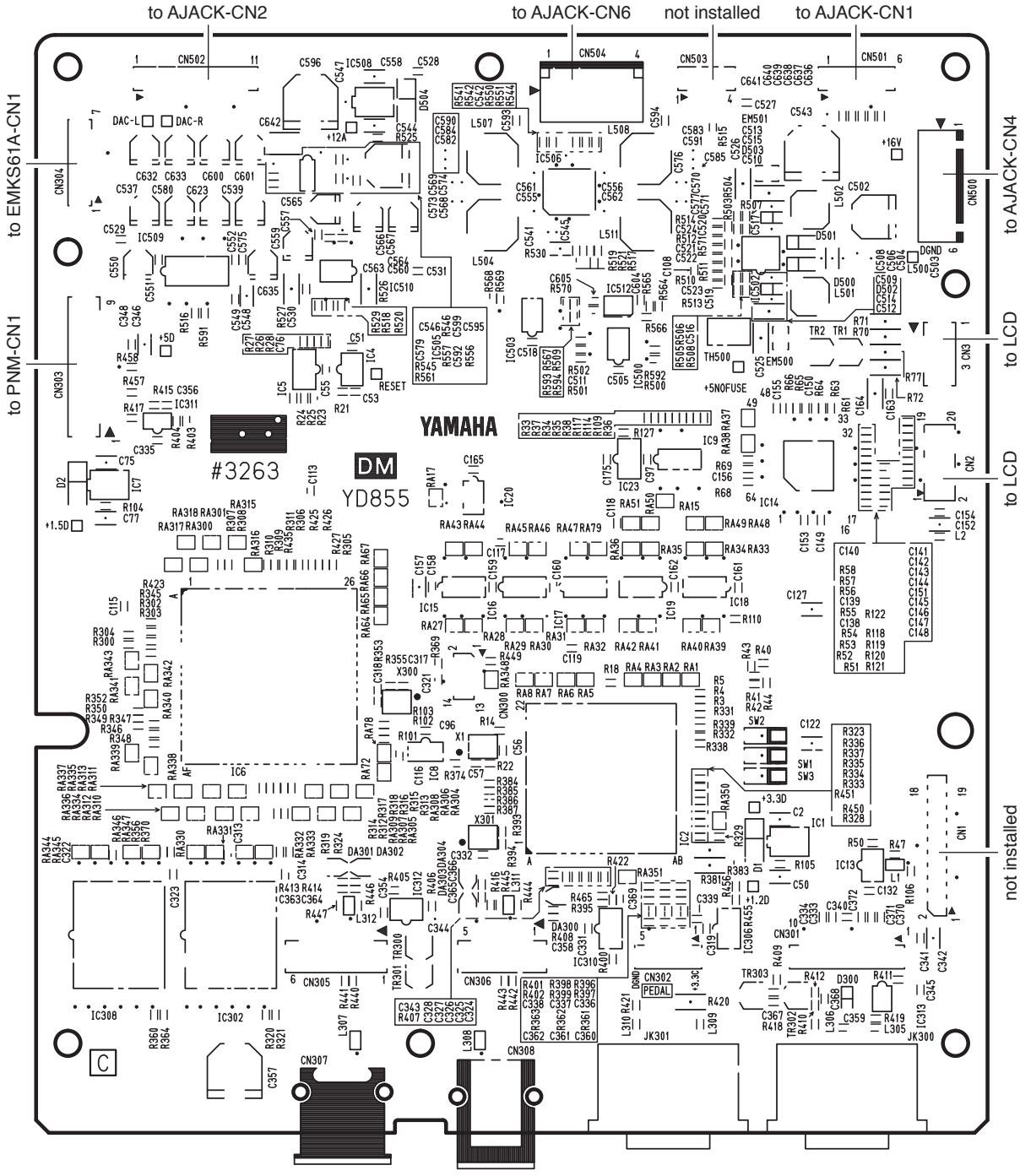
DM: IC904 (PSR-S950)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	SW	O	Switching Tr drive terminal	13	LED1	I	Current sink for LED
2	SW	O	Switching Tr drive terminal	14	LED2	I	Current sink for LED
3	N.C.	-	No connect pin	15	LED3	I	Current sink for LED
4	PGND	-	PGND for switching Tr	16	LED4	I	Current sink for LED
5	FAILFLAG	O	Fail Flag	17	LED5	I	Current sink for LED
6	OCPSET	I	Current Limiter setting	18	LED6	I	Current sink for LED
7	VDET	I	Detect input for SBD open and OVP	19	N.C.	-	No connect pin
8	TEST	I	TEST signal	20	GND	-	GND for Current driver
9	RSTB	I	Reset	21	PWMDRV	I	PWM input pin for power ON/OFF only driver
10	ISET	I	Resister connection for LED current setting	22	VBAT	I	Regulator output / Internal power-supply
11	GND	-	GND for Switching Regulator	23	PWMPOW	I	PWM input pin for power ON/OFF
12	N.C.	-	No connect pin	24	VBAT	I	Switching Tr drive terminal

CIRCUIT BOARDS

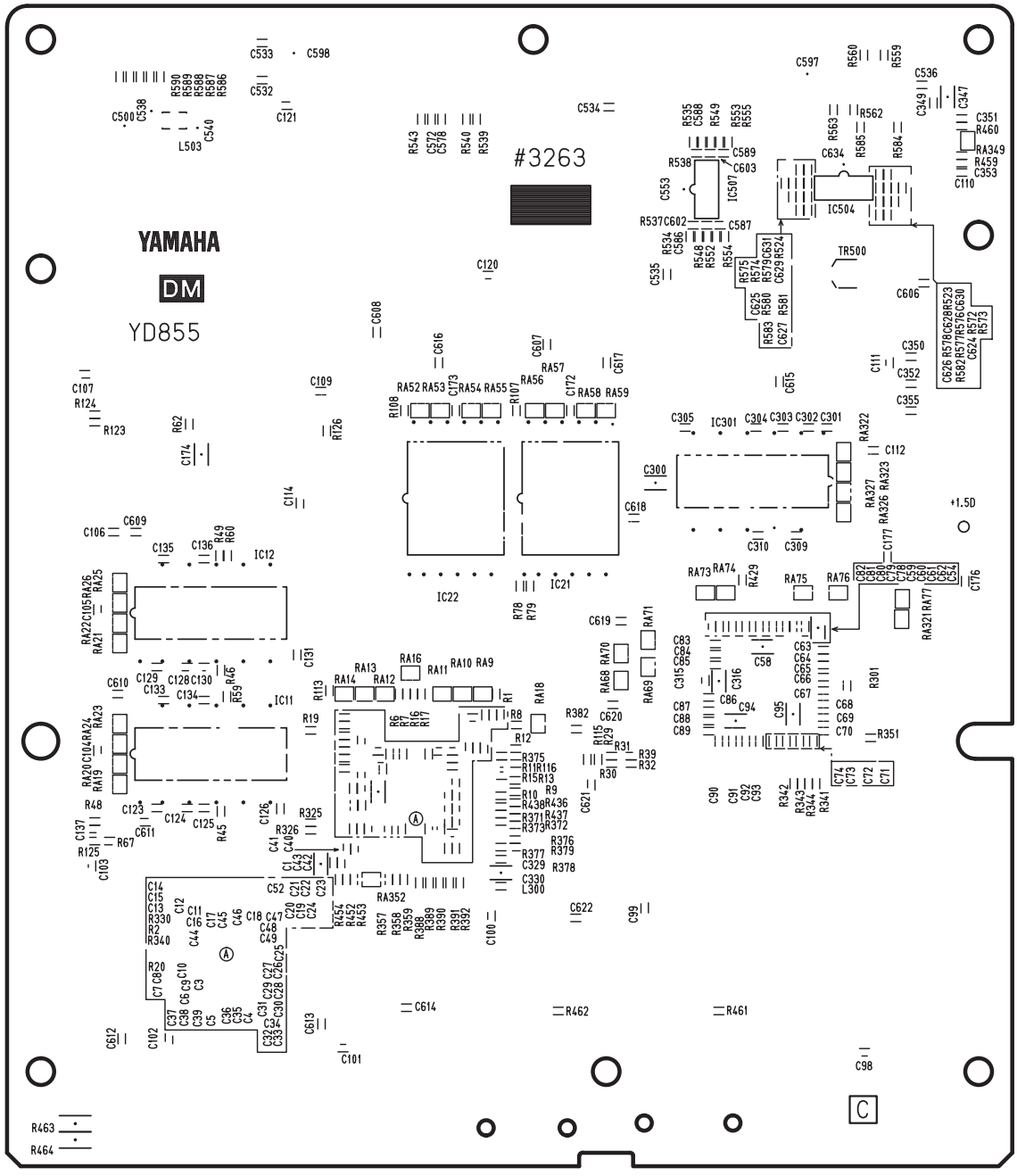
Note: See parts list for details of circuit board component parts.

• DM Circuit Board (PSR-S750)



Component side

● DM Circuit Board (PSR-S750)



Pattern side

• DM Circuit Board (PSR-S950)

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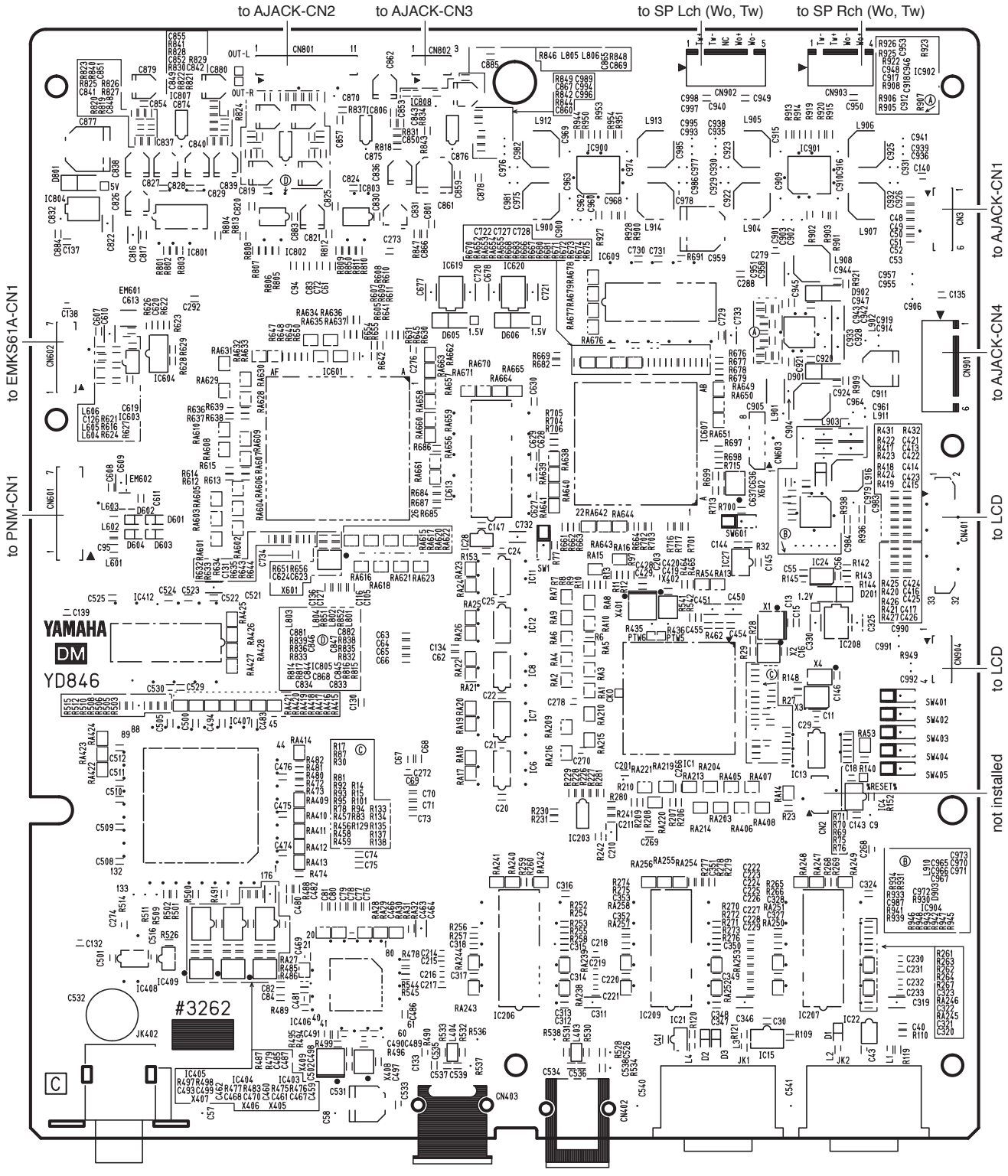
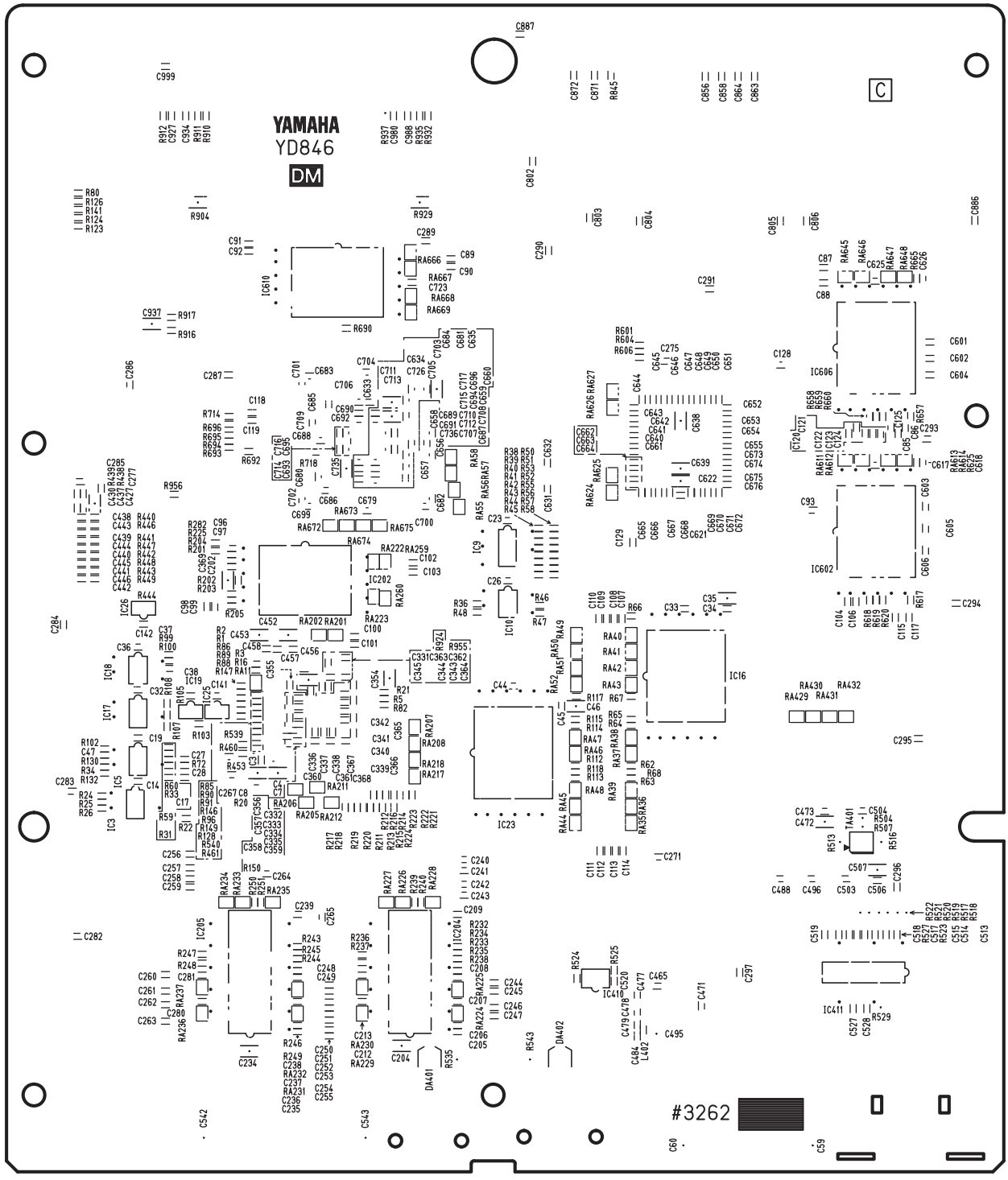


Component side

● DM Circuit Board (PSR-S950)

Scale: 90/100



Pattern side

● AJACK Circuit Board

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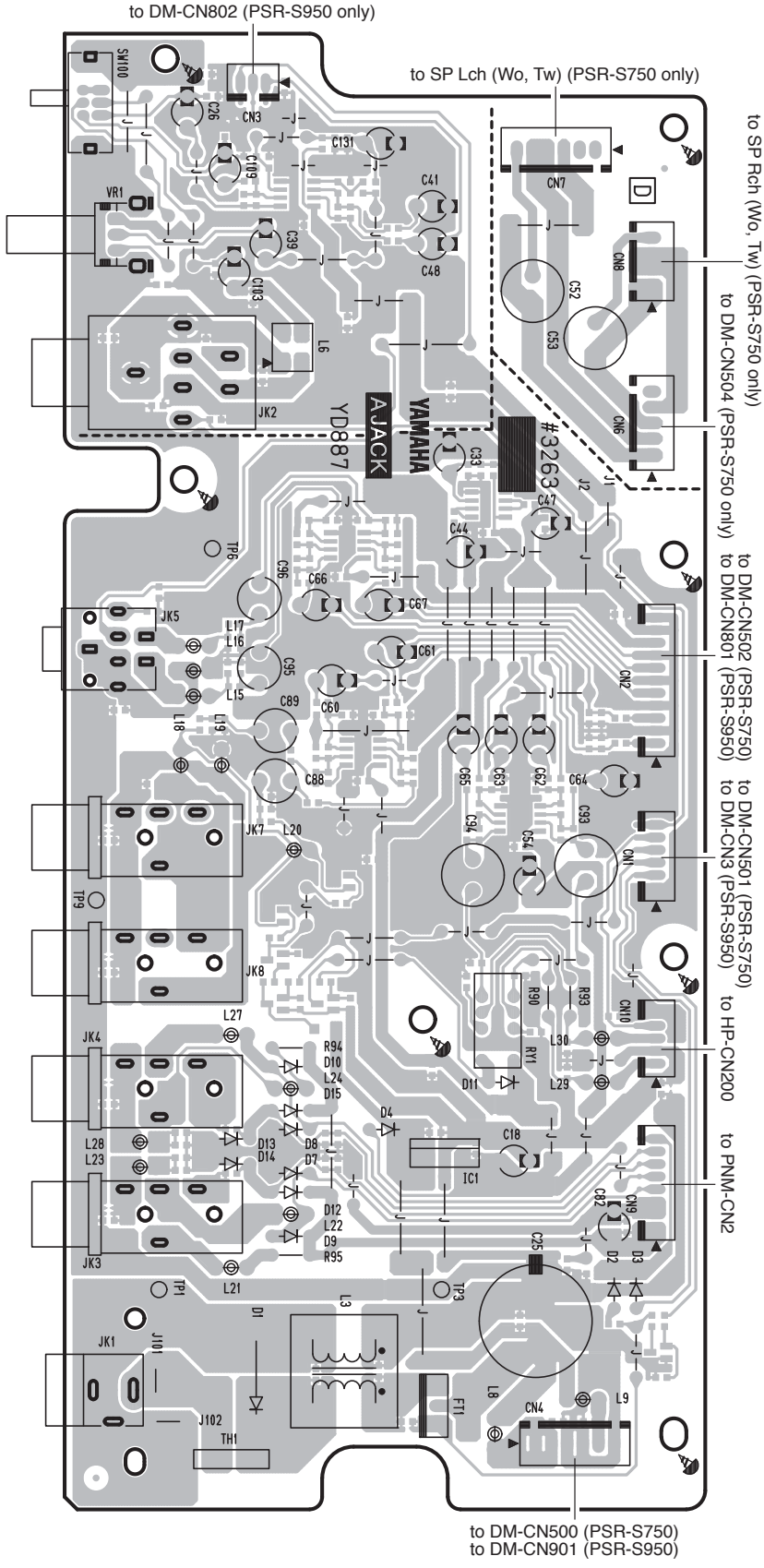
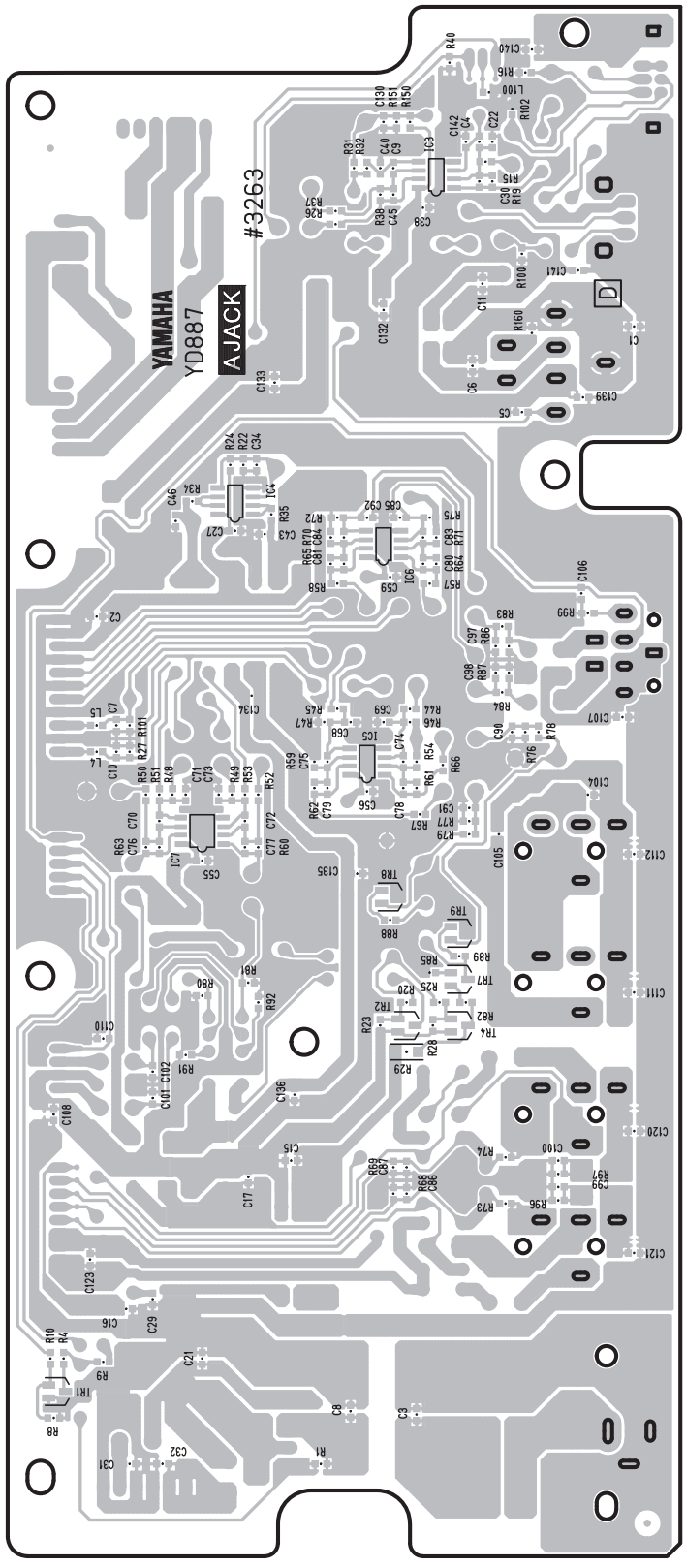


Component side

● AJACK Circuit Board

Scale: 90/100



Pattern side

● PNM Circuit Board

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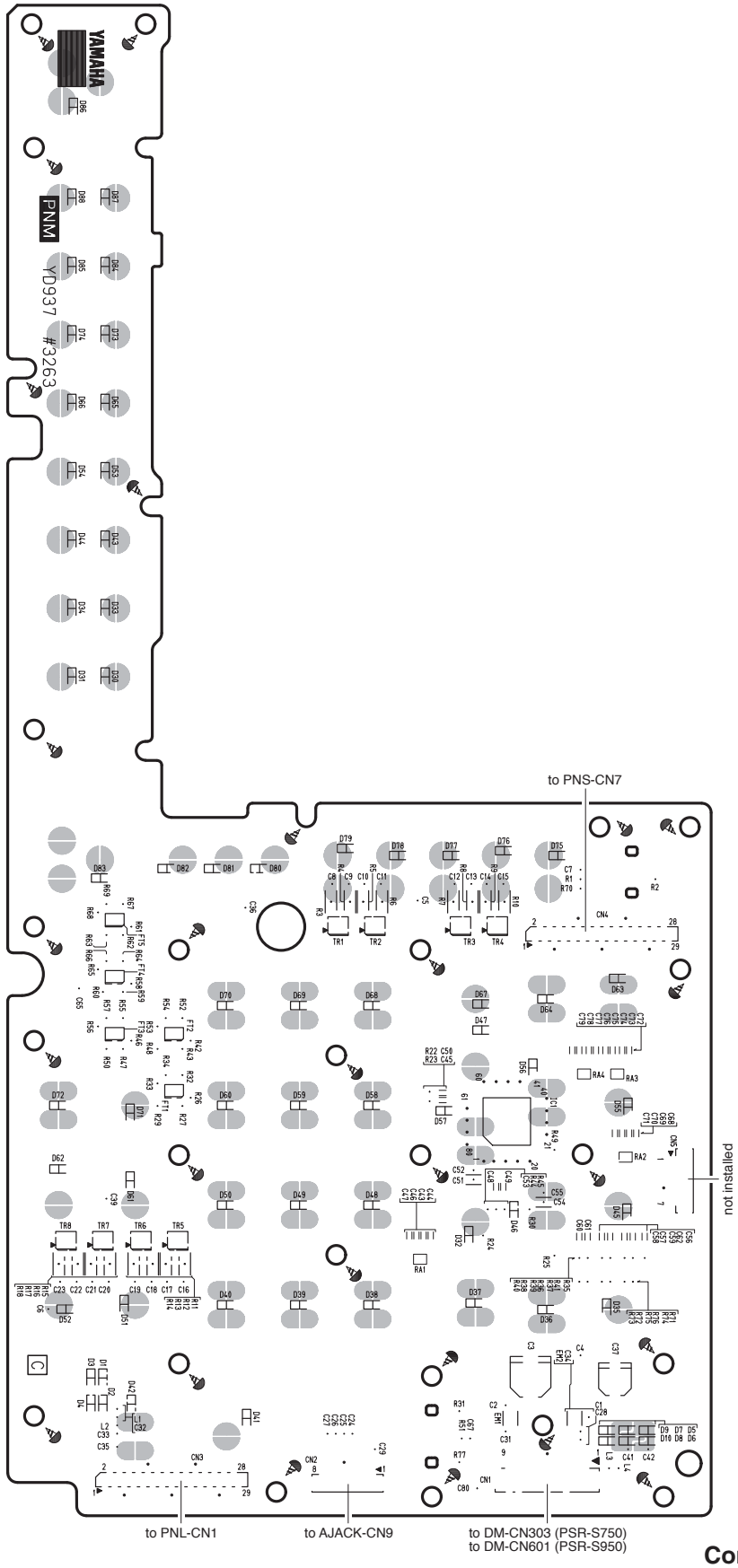
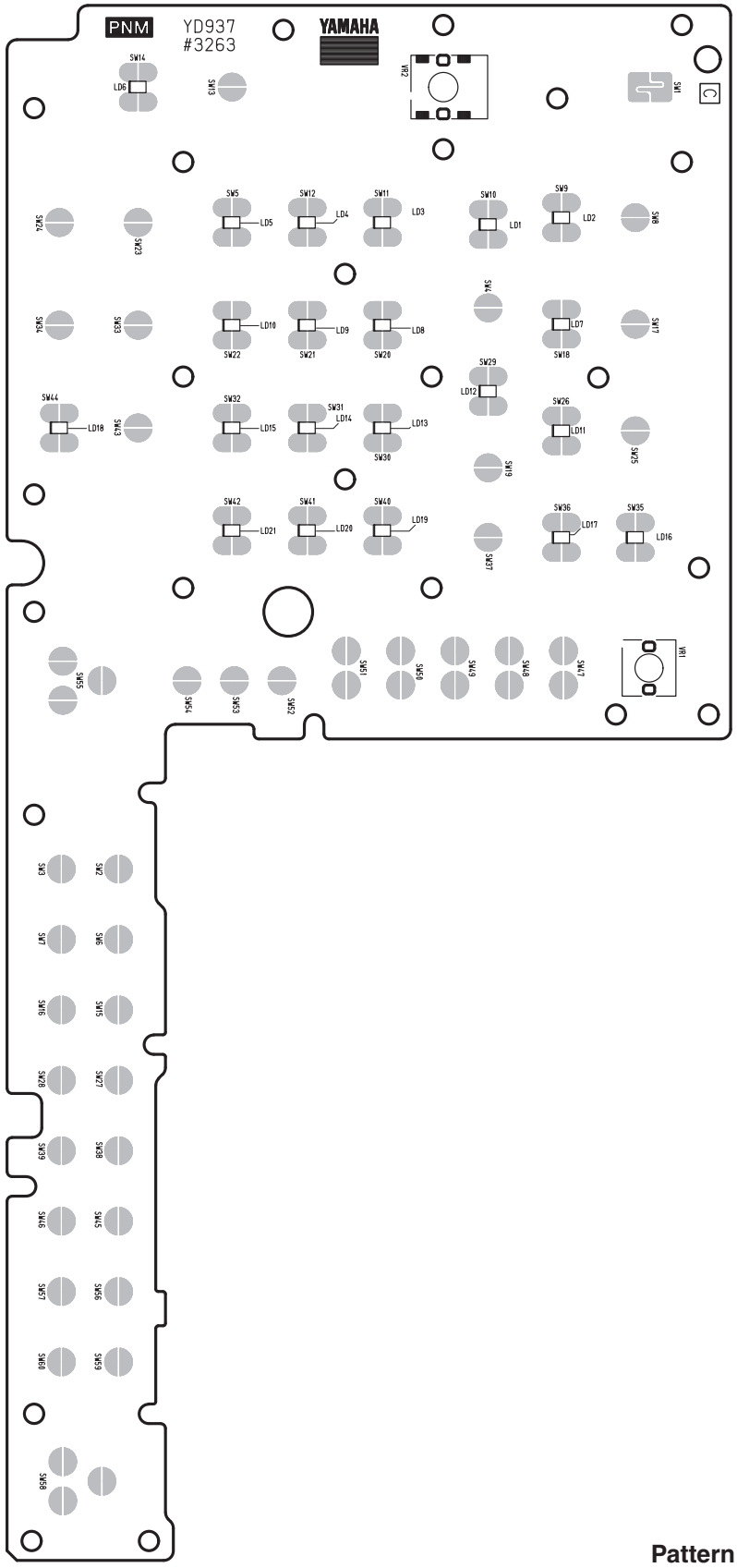


Component side

2NA-WZ50830 ⚠1

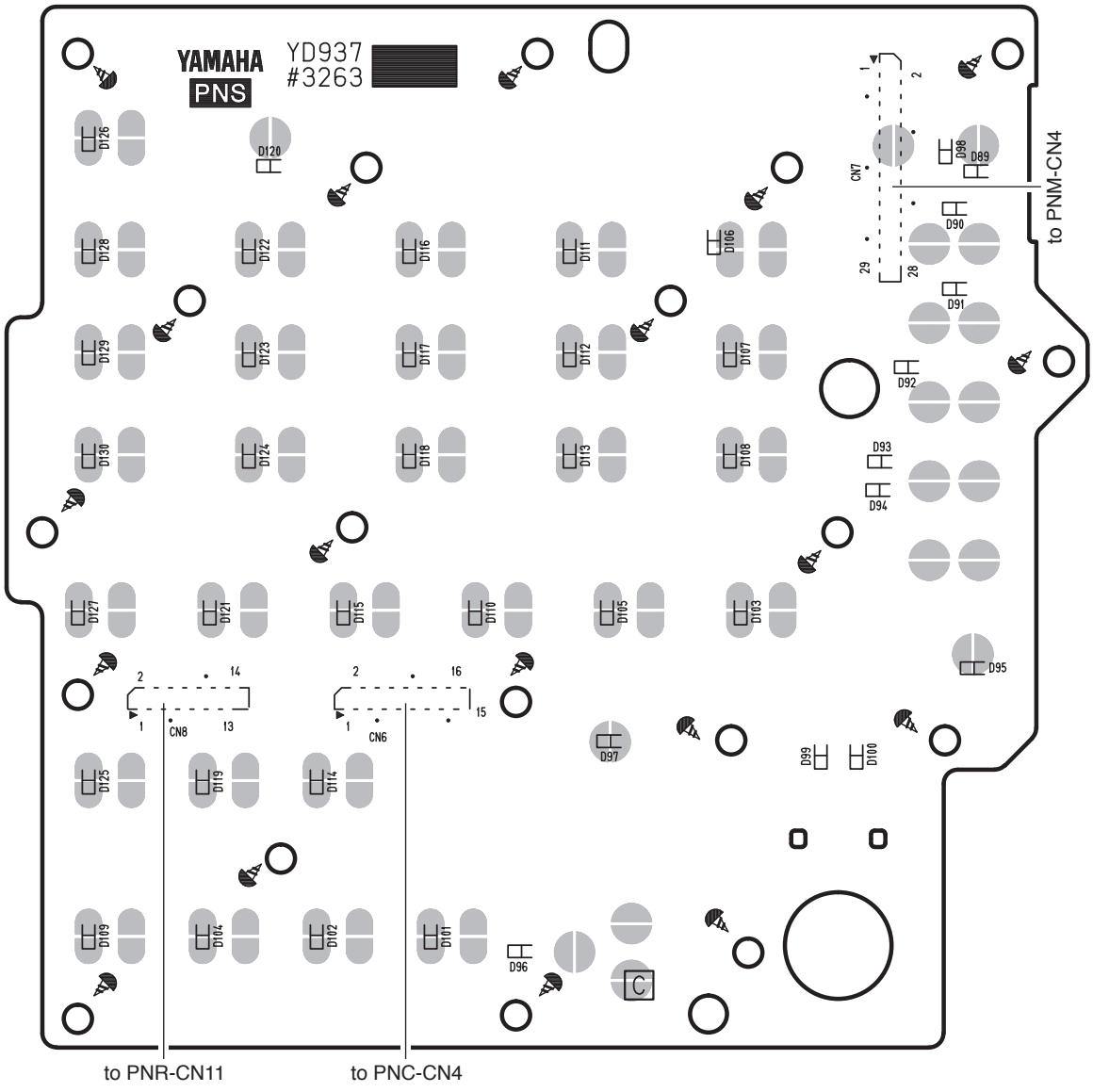
● PNM Circuit Board

Scale: 70/100



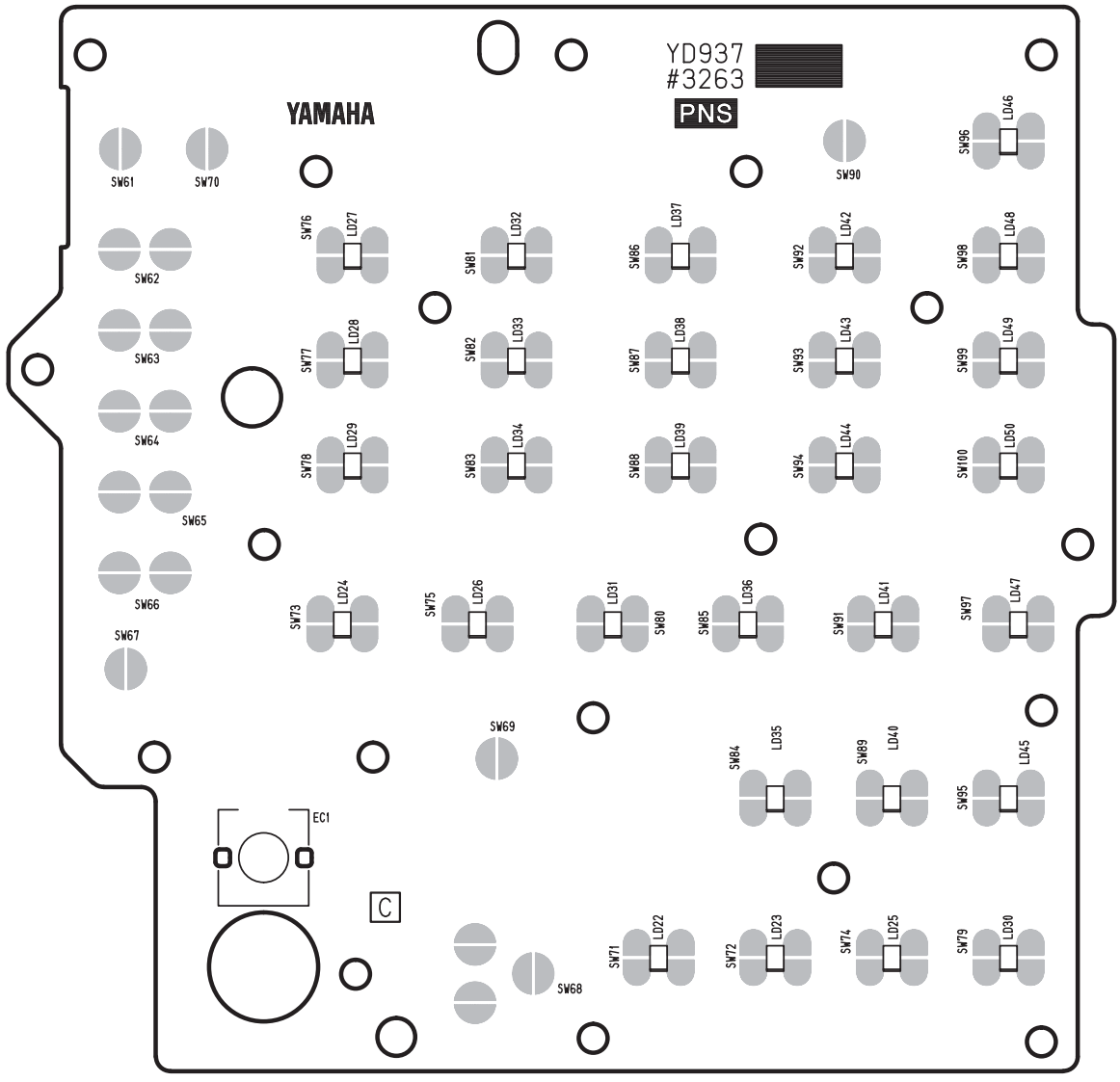
Pattern side

● PNS Circuit Board



Component side

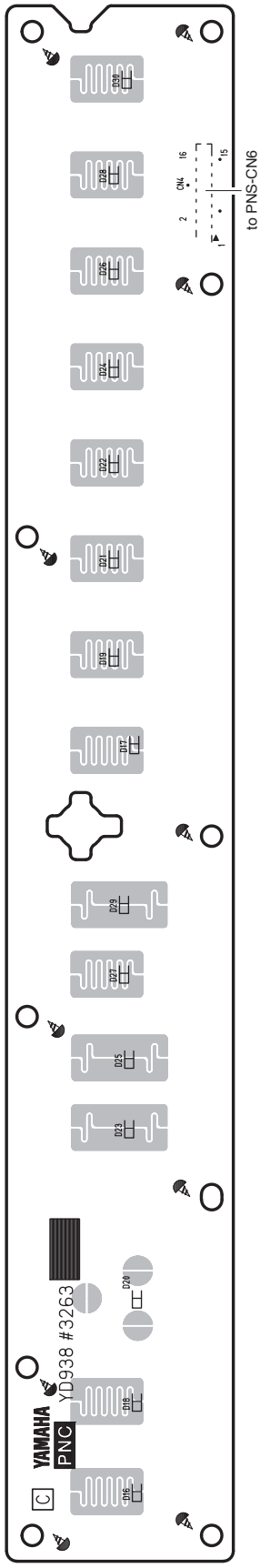
● PNS Circuit Board



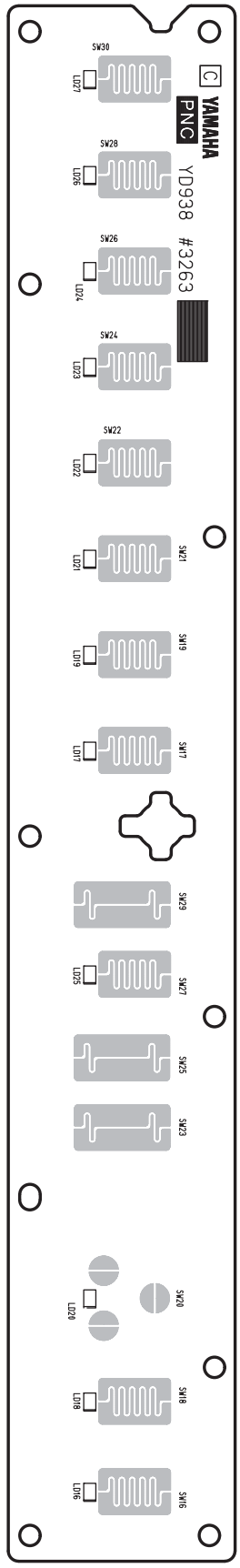
Pattern side

● PNC Circuit Board

Scale: 75/100



Component side

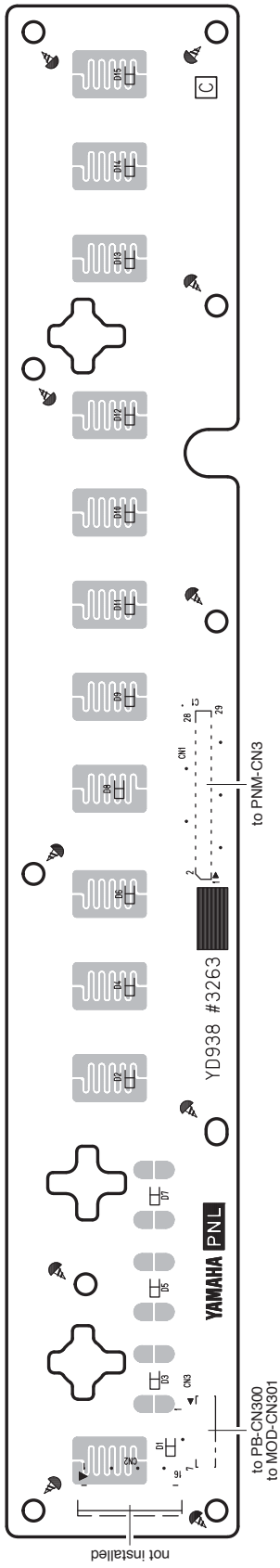


Pattern side

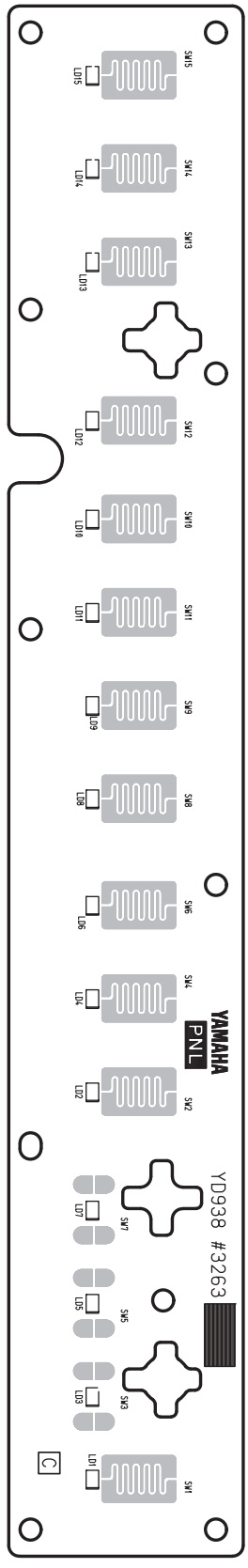
2NA-WZ55980

● PNL Circuit Board

Scale: 75/100



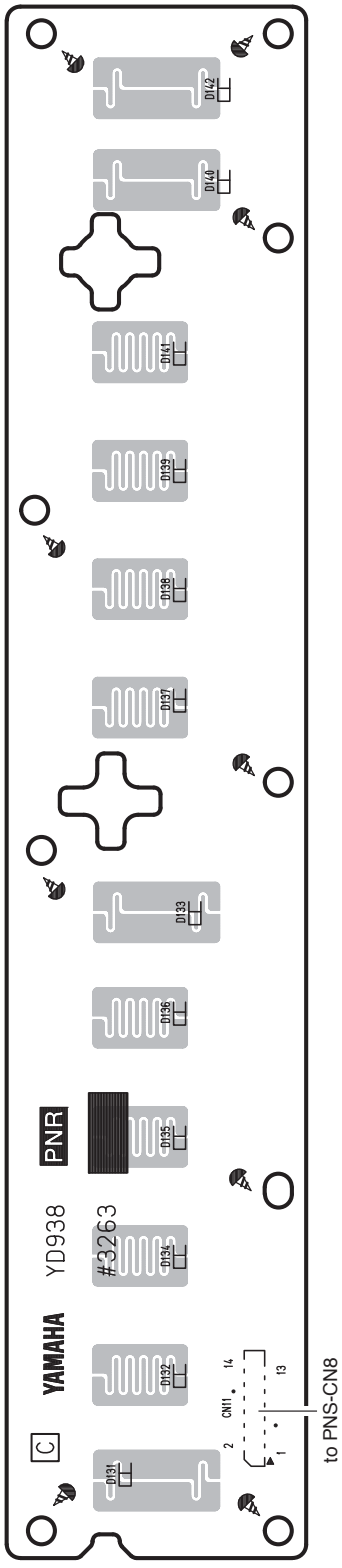
Component side



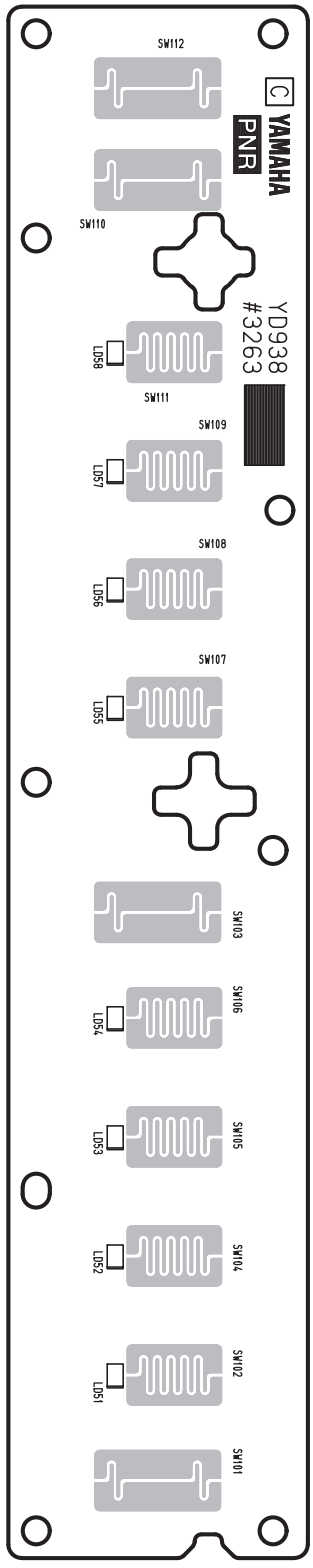
Pattern side

● PNR Circuit Board

Scale: 90/100

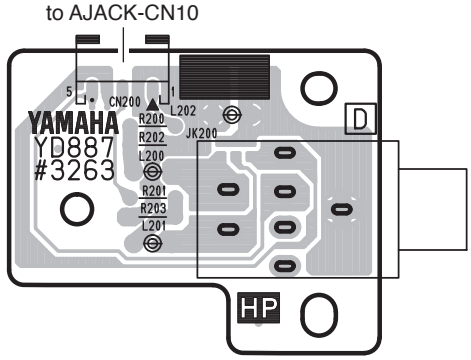


Component side

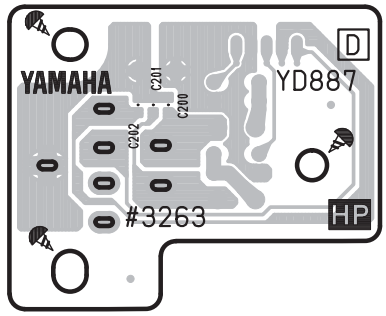


Pattern side

● HP Circuit Board

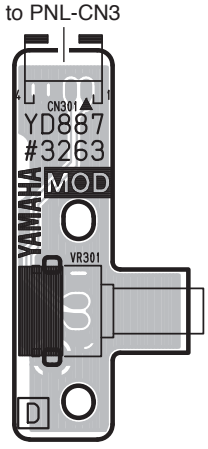


Component side

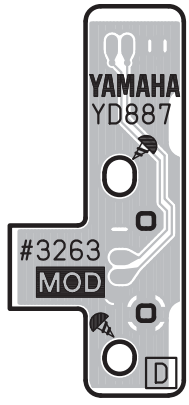


Pattern side

● MOD Circuit Board

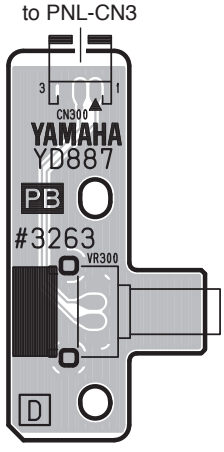


Component side

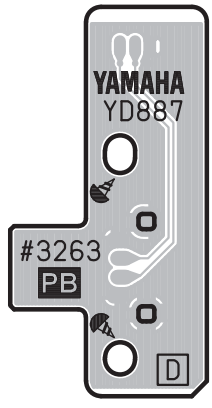


Pattern side

● PB Circuit Board



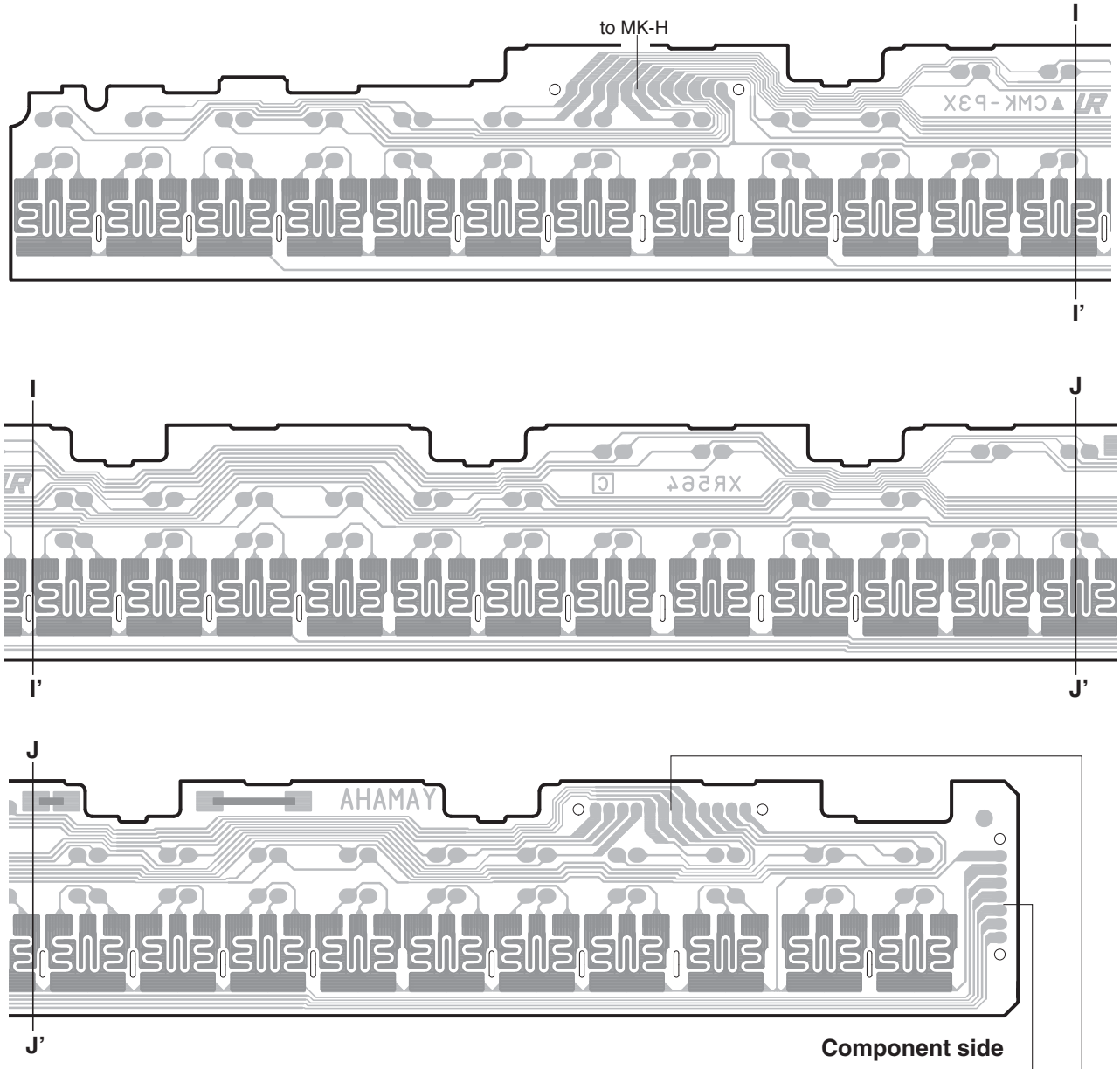
Component side



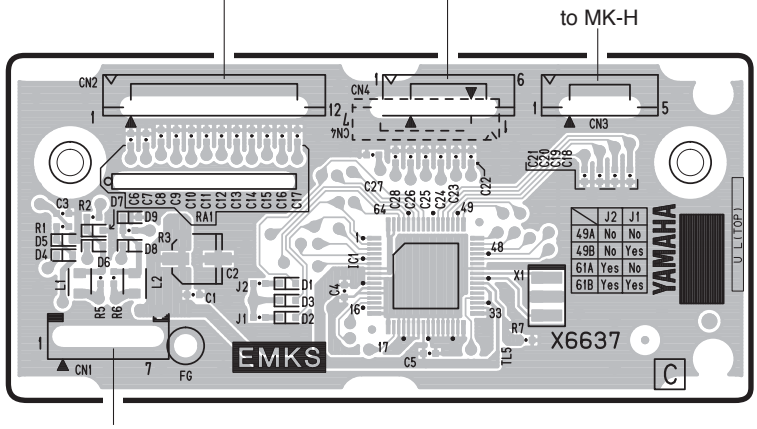
Pattern side

● MK-L Circuit Board

Scale: 90/100



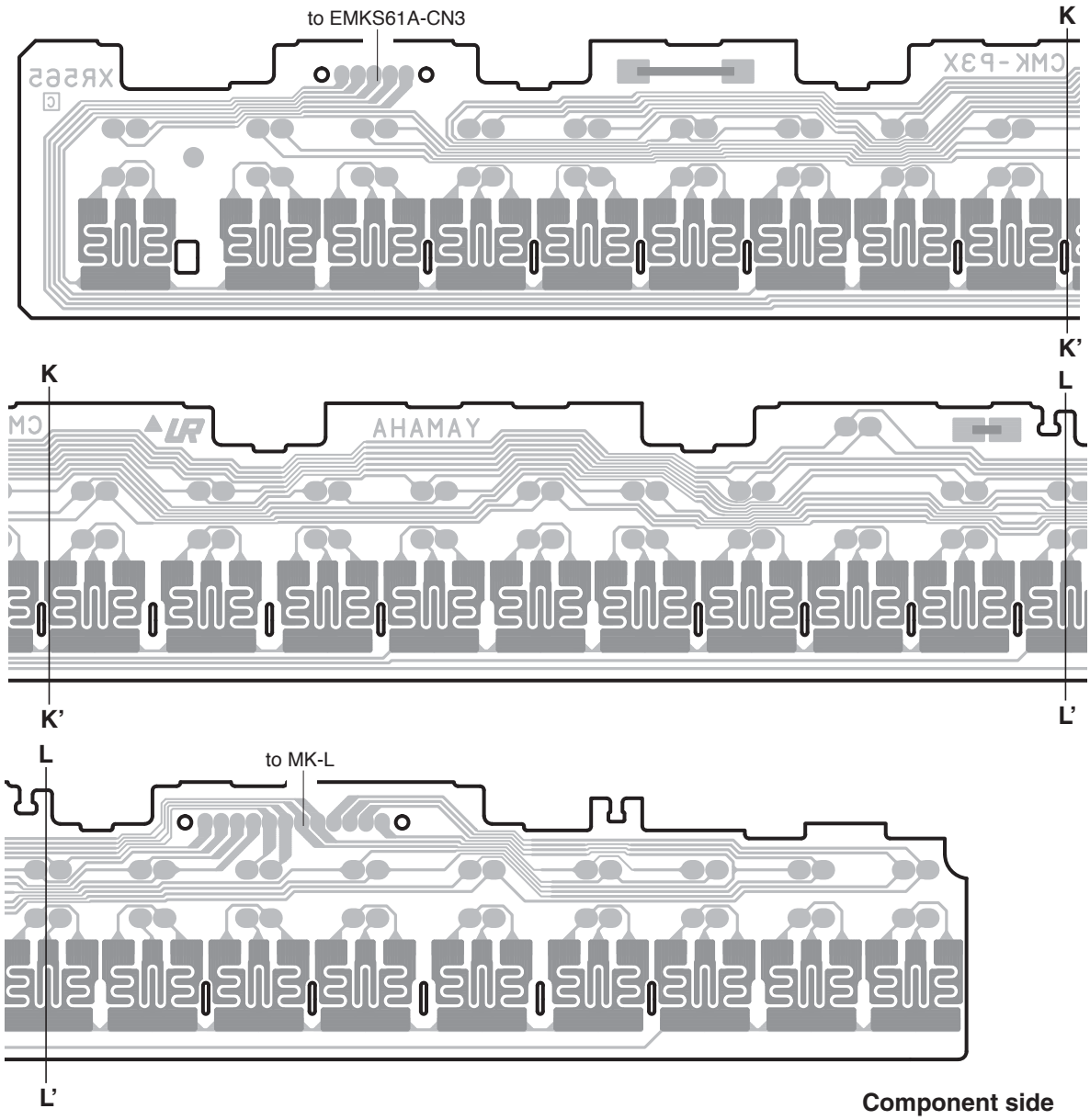
● EMKS61A Circuit Board



EMKS61A: 2NA-WF31010
MK-L: 2NA-VV58380

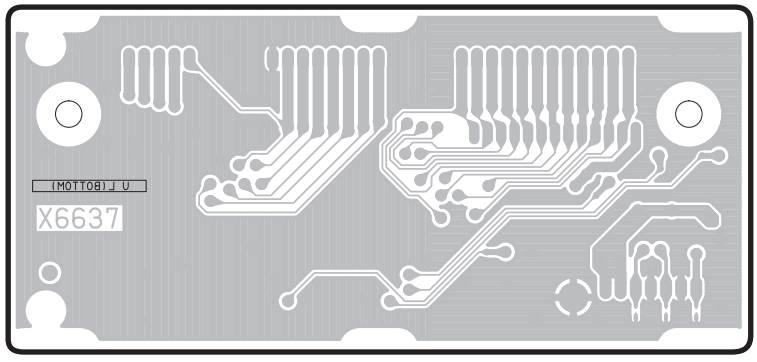
● MK-H Circuit Board

Scale: 90/100



Component side

● EMKS61A Circuit Board



Pattern side

EMKS61A: 2NA-WF31010
MK-H: 2NA-VV58390

PSR-S750 TEST PROGRAM

✻ If you execute Test No. 43 Factory Set, setting data and user data will be lost. Be sure to save these data for backup in advance.

1 Measurement Conditions

1-1: Measuring Instruments

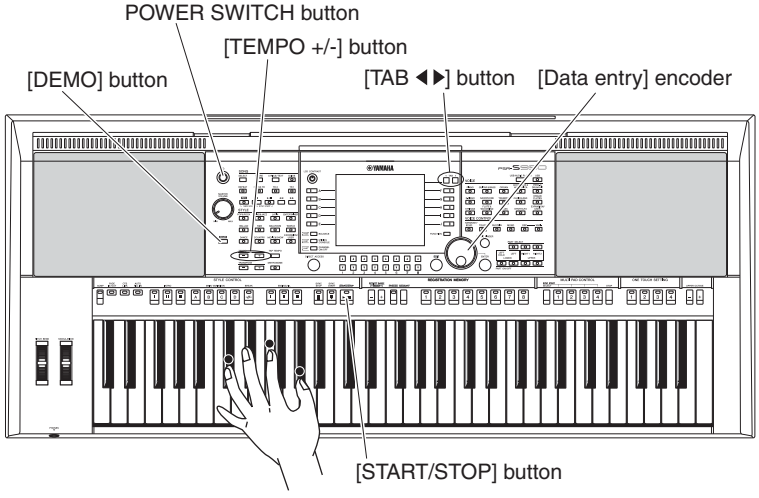
· Level meter (with a JIS-C filter).
· Frequency counter, which can detect thousandth value or more
· Oscilloscope
* Input impedance of the measuring instrument should be 1 MΩ or more.
* Connect a load resistor of 33 Ω and measure at the [PHONES] jack using stereo plugs unless otherwise specified.

1-2: Jig

Foot controller (FC7), MIDI cable, USB cable, USB storage device (USB memory, etc.)

2 Starting up the test program

Turn on the power switch while pressing and holding the [C#2], [F2], and [G#2] on the lower keyboard (C#2 major code).



2-1: How to carry out tests

1) **"TEST"** will appear on the LCD when the test program starts up.
2) Go to item choosing mode with [TEMPO +]/[TEMPO -] button or [Data entry] dial.
(If the [Data entry] dial is turned counterclockwise at the head of items (Test 1), the last item (Test 44) will be selected. If the [Data entry] dial is turned clockwise at the last item (Test 44), the head of items (Test 1) will be selected.
3) Press the [START/STOP] button to execute a test.

● **If the test result is OK:**
When the test result is OK, an asterisk " ✻ " will be displayed at the head so that you can see later if it has already been checked.
If the result is OK, return to the selection screen with the [START/STOP] button.

● **If the test result is NG:**
If the result is NG, press the [DEMO] button or lowest key on the keyboard to return to the selection display.

3 Tests Overview

Test No.	LCD display	Test descriptions, judging conditions, etc.
1	**001 : Version**	Checking the version of the ROM. Change the page with TAB [◄] [►] switches. **[Page 1]** **PSR-S750 (E)** **MAIN PROG ROM : ＊ . ＊＊** **MAIN DATA ROM : ＊ . ＊＊** **Wave 1 ROM : ＊ . ＊＊** **[Page 2]** **Main Boot : ＊ . ＊＊** **Main Program : ＊ . ＊＊** **Bitmap 1 : ＊ . ＊＊** **Contents1 : ＊ . ＊＊** **Contents2 : ＊ . ＊＊** **Wave 1 : ＊ . ＊＊** **＊ . ＊＊ : Version**
2	**002 : Memory Check1 All**	Checking all ROM, RAM, Backup ROM, Wave ROM and Effect RAM. (Simplified check) Check that **"Memory Check1 All OK"** is displayed on the LCD. When the result is OK, tests No. 3 to 7 can be skipped. It will take about 16 seconds for the check. When the result is NG: The same message will be displayed as tests No. 3 to 7.
3	**003 : ROM Check1**	Checking the ROM connected to the CPU bus. (Simplified check) Check that **"ROM Check1 OK"** is displayed on the LCD. When the result is NG: **MAIN PROG ROM (IC22) NG**
4	**004 : RAM Check1**	Checking the RAM connected to the CPU bus. (Simplified check) Check that **"RAM Check1 OK"** is displayed on the LCD. When the result is NG: **MAIN SDRAM (IC11, 12) NG**
5	**005 : Backup ROM Check1**	Checking the BACKUP ROM connected to the CPU bus. (Simplified check) Check that **"Backup ROM Check1 OK"** is displayed on the LCD. It will take about 8 seconds for the check. When the result is NG: **BACKUP (IC21) NG**
6	**006 : Wave ROM Check1**	Checking the WAVE ROM connected to the TG bus. (Simplified check) Check that **"Wave ROM Check1 OK"** is displayed on the LCD. It will take about 9 seconds for the check. When the result is NG: **Wave1 (IC302, 308) NG**
7	**007 : Effect RAM Check1**	Checking the Effect RAM connected to the TG bus. (Simplified check) Check that **"Effect RAM Check1 OK"** is displayed on LCD. When the result is NG: **Effect1 (IC301) NG**
8	**008 : Pitch Check**	Checking sound pitch. **Pitch accuracy check:** Connect a frequency counter to the [PHONES] jack. (Either L or R) When the test is executed, a sound is produced with 441 ±0.2 Hz sine wave from the L and R channels. Sound production stops when returning to the selection screen with the [START/STOP] button.

Test No.	LCD display	Test descriptions, judging conditions, etc.
9	**009 : Output R Check**	Checking the R channel output. Set the [MASTER VOLUME] control to the maximum position in advance of testing. *** It is not possible to operate the VOLUME control while testing.** Connect a level meter (with a JIS-C filter) to each jack. (PHONES L, R, OUTPUT L/L+R, R) Check the output level of the R channel. (1049 Hz (C5) sine wave) (PHONES L, R: 33 Ω load, OUTPUT L/L+R, R: 10 kΩ load (2 monaural jacks used simultaneously)) · PHONES L: -45.0 dBu or less PHONES R: -0.2 ± 2 dBu · OUTPUT L/L+R: -60.0 dBu or less OUTPUT R: +5.3 ± 2 dBu
10	**010 : Output L Check**	Checking the L channel output. Set the [MASTER VOLUME] control to the maximum position in advance of testing. *** It is not possible to operate the VOLUME control while testing.** Connect a level meter (with a JIS-C filter) to each jack. (PHONES L, R, OUTPUT L/L+R, R) Check the output level of the L channel. (1049 Hz (C5) sine wave) (PHONES L, R: 33 Ω load, OUTPUT L/L+R, R: 10 kΩ load (2 monaural jacks used simultaneously)) · PHONES L: -0.2 ± 2 dBu PHONES R: -45.0 dBu or less · OUTPUT L/L+R: +5.3 ± 2 dBu OUTPUT R: -60.0 dBu or less
11	**011 : EQ Low Check**	Test for factory inspection. Checking EQ-LOW frequency. Check that sine wave at about 65.5 Hz (C1) is output with specified level of the L and R channel. Sound production stops when returning to the selection screen with the [START/STOP] button.
12	**012 : EQ Mid Check**	Test for factory inspection. Checking EQ-MID frequency. Check that sine wave at about 524 Hz (C4) is output with specified level and of the L and R channel. Sound production stops when returning to the selection screen with the [START/STOP] button.
13	**013 : EQ High Check**	Test for factory inspection. Checking EQ-HIGH frequency. Check that sine wave at about 4195 Hz (C7) is output with specified level of the L and R channel. Sound production stops when returning to the selection screen with the [START/STOP] button.
14	**014 : SP MUTE Check**	Checks SP MUTE. Sound is produced with about 1049Hz (C5) sine wave at a specified level of the L and R channel. Switch between MUTE ON (sound muted) and MUTE OFF (sound produced) with the [TAB ◄►] button. **MUTE ON** [TAB ►]: The SP output is muted. **MUTE OFF** [TAB ◄]: The SP output is produced. (The plug should be unconnected from the PHONES terminal.)
15	**015 : DAC MUTE Check**	Checks DAC MUTE. Sound is produced with about 1049Hz (C5) sine wave at a specified level of the L and R channel. Switch between MUTE ON (sound muted) and MUTE OFF (sound produced) with the [TAB ◄►] button. **MUTE ON** [TAB ►]: The SP output and PHONES output are muted. **MUTE OFF** [TAB ◄]: The SP output and PHONES output are produced. (The plug should be unconnected from the PHONES terminal when checking the SP output.)
16	**016 : MUTE Check**	Checking MUTE. Set the [MASTER VOLUME] control to the maximum position in advance of testing. *** It is not possible to operate the VOLUME control while testing.** Sound is produced with about 1049Hz (C5) sine wave at a specified level of the L and R channel. Switch between MUTE ON (sound muted) and MUTE OFF (sound produced) with the [TAB ◄►] button. Verify that MUTE relay is not stuck. **MUTE ON** [TAB ►]: The SP output and PHONES output are muted. **MUTE OFF** [TAB ◄]: The SP output and PHONES output are produced. (The plug should be unconnected from the PHONES terminal when checking the SP output.) Check output level when MUTE ON is selected. Connect a level meter (with a JIS-C filter) to each jack. (OUTPUT L/L+R, R) Check the output level. (OUTPUT L/L+R, R: 10 kΩ load (2 monaural jacks used simultaneously)) OUTPUT L, R: -35.0 dBu or less

Test No.	LCD display	Test descriptions, judging conditions, etc.
17	**017 : SIOF Check**	Checking SIOF. Have the sound produced from 2 SIOF signal lines (Line-A, Line-B) using the [TAB ◄ ►] button to check for correct connection. **Line-A** [TAB ◄]: A3 (441 Hz) sound is produced from L channel. "**Line-A**" is displayed on the LCD. **Line-B** [TAB ►]: C5 (1049 Hz) sound is produced from R channel "**Line-B**" is displayed on the LCD. When the test is started, the sound is produced from Line-A.
18	**018 : AUX-IN Check**	Checking AUX IN. Start checking with the plug disconnected. 1. "**Not Inserted**" is displayed on the LCD when the test is executed. 2. Insert the stereo mini plug into the [AUX IN] terminal. "**Inserted**" is displayed on the LCD. 3. Check that the sound inputted to the [AUX IN] terminal is output at the [OUTPUT] and [PHONES] terminals. **NOTE: Connect and then disconnect the jack before inserting the jack for measurement or no signal will be output from the [OUTPUT] terminal.**
19	**019 : SW, LED Check**	Checking switches and switch LEDs. Activate switches shown on the LCD one by one and a sound is played at the prescribed pitch respectively (refer to page 62). When a switch with LED is turned on, the LED will light up, too. (A two-colored LED will light in red.) Sound continues to play as long as the switch is pressed. The LED continues to light until the next switch is pressed. To quit the test halfway, use the [DEMO] button or the lowest key on the keyboard to return to the selection screen. After all the switches are pressed, **"Dial Down"** will be shown on the LCD for [Data entry] dial check. Turn the [Data entry] dial counterclockwise and the number on the LCD will change from 50 to 0 and **"Dial Up"** will be shown on the LCD. Next, turn the dial clockwise and make sure that **"SW, LCD Check END"** is displayed on the LCD.
20	**020 : All LED On**	Checking whole LEDs' lighting up. Check that all the LEDs will light.
21	**021 : Red LED On**	Checking whole red LEDs' lighting up. Check that all the red LEDs will light.
22	**022 : Green LED On**	Checking whole green LEDs' lighting up. Check that all the green LEDs will light.
23	**023 : All LCD On**	Checking whole LCD's lighting up. Check that all the dots in the LCD are turned black.
24	**024 : All LCD Off**	Checking whole LCD's turning off. Check that all the dots in the LCD are turned white.
25	**025 : LCD Backlight Off Check**	Checking LCD backlight for ON/OFF function. Switch the backlight ON and OFF with the [TAB ◄ ►] button.
26	**026 : Main Volume Check**	Checking the main volume. When the [MASTER VOLUME] knob is turned counterclockwise and MIN (minimum value) is detected, "**Main Volume MIN 0**" is displayed. When the [MASTER VOLUME] knob is turned clockwise and MAX (maximum value) is detected, "**OK 255**" is displayed. Check that the minimum value (0) and maximum value (255) of the main volume can be detected.
27	**027 : Emergency Circuit Check**	Checking the abnormal detection circuit for proper operation. Sound is produced with about 441Hz (A3) sine wave at a specified level, PAN=center. Using the [TAB ◄ ►] button, switch between the function valid (sound muted) and invalid (sound produced) for this check. **Emergency Circuit Check ON** [TAB ►]: With the function set to valid, the SP output sound is muted. **Emergency Circuit Check OFF** [TAB ◄]: With the function set to invalid, the SP output sound is produced. (The plug should be unconnected from the PHONES terminal.)

Test No.	LCD display	Test descriptions, judging conditions, etc.
28	028 : Pitch Bend Wheel Check	Checking PITCH BEND. When the test is started, "**Pitch Bend Up 128**" is displayed. Set the [PITCH BEND] wheel to the maximum position and check that the G3 sound is produced and "**Pitch Bend Down 255**" is displayed. Set the [PITCH BEND] wheel to the minimum position and check that , the C3 sound is produced and "**Pitch Bend Center 0**" is displayed. Set the [PITCH BEND] wheel to the center position and check that the C4 sound is produced and "**OK 0**" is displayed.
29	029 : Modulation Wheel Check	Checking MODULATION. When the test is started, "**Modulation Up *****" is displayed. Set the [MODUCATION] wheel to the maximum position and check that the G3 sound is produced and "**Modulation Down 255**" is displayed. Set the [MODULATION] wheel to the minimum position and check that the C4 sound is produced and "**OK 0**" is displayed.
30	030 : Pedal 1 Check	Checking the Pedal 1. Connect the foot controller (FC7) to the [FOOT PEDAL 1] jack. When the pedal is set to the minimum and C3 is played. When the pedal is set to the maximum and G3 is played. Disconnect the foot controller from the [FOOT PEDAL 1] jack and C4 is played. Check that **"Pedal 1 Check OK"** is displayed on the LCD when the test is completed.
31	031 : Pedal 2 Check	Checking the Pedal 2. Connect the foot controller (FC7) to the [FOOT PEDAL 2] jack. When the pedal is set to the minimum and C3 is played. When the pedal is set to the maximum and G3 is played. Disconnect the foot controller from the [FOOT PEDAL 2] jack and C4 is played. Check that **"Pedal 2 Check OK"** is displayed on the LCD when the test is completed.
32	032 : MIDI Check	Checking MIDI. Connect the [MIDI IN] connector and [MIDI OUT] connector with a MIDI cable and then execute the test. Check that C4 is played and **"MIDI Check OK"** is displayed on the LCD.
33	033 : USB to Device/Host Check	Checking USB Device/Host. Enter the test with the [START/STOP] button and **"Connect Device – Host"** will be shown on the LCD. Connect the USB cable to [USB TO DEVICE] and [USB TO HOST] terminals and check that "**Device – Host OK"** is displayed and the C4 sound is produced.
34	034 : USB Storage Device Check	Checking the USB Storage. Insert the USB memory and press the [Start/Stop] button. Check that **"USB Storage Device Check OK"** is displayed on the LCD. If no media is inserted, "**NO DISK**" will be displayed. If the media is unformatted, "**UNFORMAT DISK**" will be displayed. If the media is protected, "**PROTECT DISK**" will be displayed. If failed in reading/writing, "**NG**" will be displayed.
35	035 : Keyboard Type Check	Checking Keyboard Type. Check that **"Keyboard Type Check OK (16M)"** is displayed on the LCD.
36	036 : ROM Check2	Checking the ROM connected to the CPU bus. (Complete check) Check that **"ROM Check2 OK"** is displayed on the LCD. When the result is NG: **MAIN PROG ROM (IC22) NG**
37	037 : RAM Check2	Checking the RAM connected to the CPU bus. (Complete check) Check that **"RAM Check2 OK"** is displayed on the LCD. When the result is NG: **MAIN SDRAM (IC11, 12) NG**

Test No.	LCD display	Test descriptions, judging conditions, etc.
38	038 : Backup ROM Check2	Checking the BACKUP ROM connected to the CPU bus. (Complete check) Check that **"Backup ROM Check2 OK"** is displayed on the LCD. It will take about 1 minute for the check. When the result is NG: **BACKUP (IC21) NG**
39	039 : Wave ROM Check2	Checking the WAVE ROM connected to the TG bus. (Complete check) Check that **"Wave ROM Check2 OK"** is displayed on the LCD. It will take about 2 minutes, 47 seconds for the check. When the result is NG: **Wave1 (IC302, 308) NG**
40	040 : Effect RAM Check2	Checking the Effect RAM connected to the TG bus. (Complete check) Check that **"Effect RAM Check2 OK"** is displayed on LCD. It will take about 45 seconds for the check. When the result is NG: **Effect1 (IC301) NG**
43	043 : Factory Set	**If the Factory Set is executed, Internet setup will be lost.** Initializing the entire data to reset to the initial factory setup. * Only the flag for initialization is raised in this stage and the actual initialization will be executed when the power is turned on the next time. Check that **"Factory Set OK"** is displayed on LCD. After executing this Factory Set, make sure to execute the test No. 44 "Test Exit". **Do not turn off the power until the main screen is indicated after turning on the power the next time.**
44	044 : Test Exit	This will leave the test program and change to the play mode. **Do not turn off the power until the main screen is indicated after executing the Test Exit.**

● Other Tests

AUX IN

Check that the output is as shown in the following table when signals are input to the AUX IN.

INPUT \ OUTPUT	OUTPUT (10 kΩ load)		PHONES (33 Ω load)	
	L/L+R	R	L	R
AUX IN L: Sine wave (1 kHz, 0 dBu) R: No input	+7.4 ± 2 dBu	-50.0 dBu or less	+1.8 ± 2 dBu	-40.0 dBu or less
AUX IN L: No input R: Sine wave (1 kHz, 0 dBu)	-50.0 dBu or less	+7.4 ± 2 dBu	-40.0 dBu or less	+1.8 ± 2 dBu

Noise Level Check

Connect the level meter (with JIS-C filter) to the L/R of the [PHONES/OUTPUT] jack. (33 ohms load)
Set the [MASTER VOLUME] to the maximum level and check the noise level.
· PHONES L, R: –90 dBu or less

Switch Test Sequence (PSR-S750)

Turn	SW Name / Display	Note number
1	SELECT	C2
2	SCORE	C#2
3	LYRICS/TEXT	D2
4	GUIDE	D#2
5	REPEAT	E2
6	EXTRA TR	F2
7	TR 2	F#2
8	TR 1	G2
9	REC	G#2
10	STOP	A2
11	PLAY/PAUSE	A#2
12	REW	B2
13	FF	C3
14	POP & ROCK	C#3
15	SWING & JAZZ	D3
16	LATIN	D#3
17	ENTERTAINER	E3
18	BALLAD	F3
19	R & B	F#3
20	BALLROOM	G3
21	WORLD	G#3
22	DEMO	A3
23	DANCE	A#3
24	COUNTRY	B3
25	MOVIE & SHOW	C4
26	USER	C#4
27	TAP -	D4
28	TAP +	D#4
29	TAP TEMPO	E4
30	TRANSPOSE –	F4
31	TRANSPOSE +	F#4
32	METRONOME	G4
33	ACMP	G#4
34	FADE IN/OUT	A4
35	OTS LINK	A#4
36	AUTO FILL IN	B4
37	INTRO Ⅰ	C5
38	INTRO Ⅱ	C#5
39	INTRO Ⅲ	D5
40	MAIN A	D#5
41	MAIN B	E5
42	MAIN C	F5
43	MAIN D	F#5
44	BREAK	G5
45	ENDING/rit. Ⅰ	G#5
46	ENDING/rit. Ⅱ	A5
47	ENDING/rit. Ⅲ	A#5
48	SYNC STOP	B5
49	SYNC START	C2
50	START/STOP	C#2
51	A	D2
52	B	D#2
53	C	E2
54	D	F2
55	E	F#2
56	BALANCE	G2
57	MIXING CONSOLE	G#2
58	CHANNEL ON/OFF	A2
59	DIRECT ACCESS	A#2
60	TAB ◀	B2
61	TAB ▶	C3
62	F	C#3
63	G	D3
64	H	D#3
65	I	E3
66	J	F3
67	FUNCTION	F#3
68	1▲	G3
69	2▲	G#3
70	3▲	A3
71	4▲	A#3
72	5▲	B3
73	6▲	C4
74	7▲	C#4
75	8▲	D4
76	1▼	D#4
77	2▼	E4
78	3▼	F4
79	4▼	F#4
80	5▼	G4
81	6▼	G#4
82	7▼	A4
83	8▼	A#4
84	EXIT	B4
85	USB AUDIO PLAYER	C5
86	USB	C#5
87	PIANO	D5
88	GUITAR & BASS	D#5
89	ORGAN	E5
90	ACCORDION & HARMONICA	F5
91	PERC. & DRUM KIT	F#5
92	E. PIANO	G5
93	SAXOPHONE	G#5
94	TRUMPET	A5
95	CHOIR & PAD	A#5
96	ORGAN FLUTES	B5
97	STRINGS	C2
98	WOODMIND	C#2
99	BRASS	D2
100	SYNTH. & FX	D#2
101	USER	E2
102	HARMONY/ECHO	F2
103	TOUCH	F#2
104	SUSTAIN	G2
105	MONO	G#2
106	DSP	A2
107	VARI.	A#2
108	MUSIC FINDER	B2
109	PART SELECT LEFT	C3
110	PART SELECT RIGHT 1	C#3
111	PART SELECT RIGHT 2	D3
112	ENTER	D#3
113	LEFT HOLD	E3
114	PART ON/OFF LEFT	F3
115	PART ON/OFF RIGHT 1	F#3
116	PART ON/OFF RIGHT 2	G3
117	REGIST BANK –	G#3
118	REGIST BANK +	A3
119	FREEZE	A#3
120	MEMORY	B3
121	REGIST. MEMORY 1	C4
122	REGIST. MEMORY 2	C#4
123	REGIST. MEMORY 3	D4
124	REGIST. MEMORY 4	D#4
125	REGIST. MEMORY 5	E4
126	REGIST. MEMORY 6	F4
127	REGIST. MEMORY 7	F#4
128	REGIST. MEMORY 8	G4
129	M.PAD SELECT	G#4
130	M.PAD 1	A4
131	M.PAD 2	A#4
132	M.PAD 3	B4
133	M.PAD 4	C5
134	M.PAD STOP	C#5
135	OTS 1	D5
136	OTS 2	D#5
137	OTS 3	E5
138	OTS 4	F5
139	UPPER OCTAVE –	F#5
140	UPPER OCTAVE +	G5

PSR-S950 TEST PROGRAM

✻ If you execute Test No. 47 Factory Set, setting data and user data will be lost. Be sure to save these data for backup in advance.

1 Measurement Conditions

1-1: Measuring Instruments

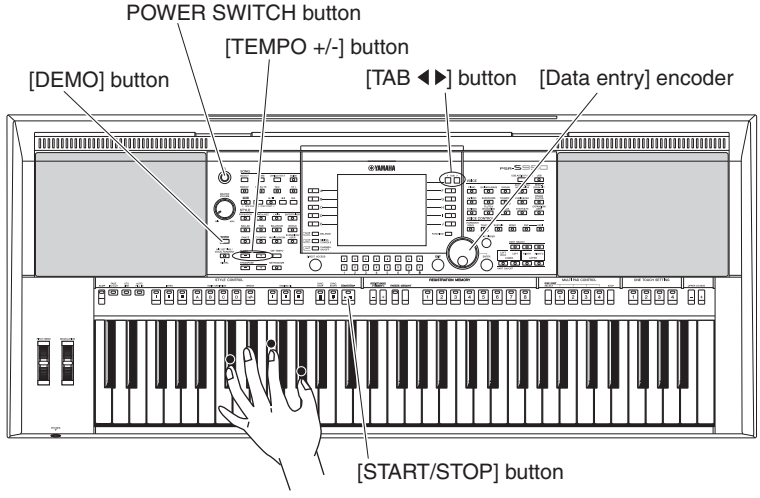
· Level meter (with a JIS-C filter).
· Frequency counter, which can detect thousandth value or more
· Oscilloscope
* Input impedance of the measuring instrument should be 1 MΩ or more.
* Connect a load resistor of 33 Ω and measure at the [PHONES] jack using stereo plugs unless otherwise specified.

1-2: Jig

Foot controller (FC7), MIDI cable, USB cable, USB storage device (USB memory, etc.), Display monitor, Microphone

2 Starting up the test program

Turn on the power switch while pressing and holding the [C#2], [F2], and [G#2] on the lower keyboard (C#2 major code).



2-1: How to carry out tests

1) **"TEST"** will appear on the LCD when the test program starts up.
2) Go to item choosing mode with [TEMPO +]/[TEMPO -] button or [Data entry] dial.
(If the [Data entry] dial is turned counterclockwise at the head of items (Test 1), the last item (Test 48) will be selected. If the [Data entry] dial is turned clockwise at the last item (Test 48), the head of items (Test 1) will be selected.
3) Press the [START/STOP] button to execute a test.

● **If the test result is OK:**
When the test result is OK, an asterisk " ✻ " will be displayed at the head so that you can see later if it has already been checked.
If the result is OK, return to the selection screen with the [START/STOP] button.

● **If the test result is NG:**
If the result is NG, press the [DEMO] button or lowest key on the keyboard to return to the selection display.

3 Tests Overview

Test No.	LCD display	Test descriptions, judging conditions, etc.
1	**001 : Version**	Checking the version of the ROM. Change the page with TAB [◄] [►] switches. **[Page 1]** **PSR-S950 (E)** **MAIN BOOT ROM : ＊.＊＊** **MAIN PROG ROM : ＊.＊＊** **SSP ROM : ＊.＊＊** **Wave1 ROM : ＊.＊＊** **[Page 2]** **Main Boot : ＊.＊＊** **Main Program : ＊.＊＊** **SSP Program : ＊.＊＊** **Bitmap1 : ＊.＊＊** **Wave1 : ＊.＊＊** **＊.＊＊ : Version**
2	**002 : Memory Check1 All**	Checking all ROM, RAM, Backup ROM, Wave ROM and Effect RAM. (Simplified check) Check that **"Memory Check1 All OK"** is displayed on the LCD. When the result is OK, tests No. 3 to 7 can be skipped. It will take about 20 seconds for the check. When the result is NG: The same message will be displayed as tests No. 3 to 7.
3	**003 : ROM Check1**	Checking the ROM connected to the CPU bus and SSP2 bus. (Simplified check) Check that **"ROM Check1 OK"** is displayed on the LCD. When the result is NG: **MAIN PROG ROM (IC16) NG** **NAND ROM (IC202) NG** **SSP ROM (IC610) NG**
4	**004 : RAM Check1**	Checking the RAM connected to the CPU bus and SSP2 bus. (Simplified check) Check that **"RAM Check1 OK"** is displayed on the LCD. When the result is NG: **MAIN SDRAM (IC204, IC205, IC206, IC207) NG** **MAIN SDRAM (IC209) NG** **SSP SDRAM (IC609) NG**
5	**005 : Backup ROM Check1**	Checking the BACKUP ROM connected to the CPU bus. (Simplified check) Check that **"Backup ROM Check1 OK"** is displayed on the LCD. It will take about 11 seconds for the check. When the result is NG: **BACKUP (IC23) NG**
6	**006 : Wave ROM Check1**	Checking the WAVE ROM connected to the TG bus. (Simplified check) Check that **"Wave ROM Check1 OK"** is displayed on the LCD. It will take about 9 seconds for the check. When the result is NG: **Wave1 (IC602, IC606) NG**
7	**007 : Effect RAM Check1**	Checking the Effect RAM connected to the TG bus. (Simplified check) Check that **"Effect RAM Check1 OK"** is displayed on LCD. When the result is NG: **Effect1 (IC613) NG**
8	**008 :SSP Check**	Checking connection of CPU and SSP2. (Simplified check) Check that the sound is produced with 1049 Hz (C5) sine wave. When the result is NG: **SSP Check NG** To stop sound production, press the [DEMO] button or the lowermost key.

Test No.	LCD display	Test descriptions, judging conditions, etc.
9	**009 : Pitch Check**	Checking sound pitch. **Pitch accuracy check:** Connect a frequency counter to the [PHONES] jack. (Either L or R) When the test is executed, a sound is produced with 441 ±0.2 Hz sine wave from the L and R channels. Sound production stops when returning to the selection screen with the [START/STOP] button.
10	**010 : Output R Check**	Checking the R channel output. Set the [MASTER VOLUME] control to the maximum position in advance of testing. *** It is not possible to operate the VOLUME control while testing.** Connect a level meter (with a JIS-C filter) to each jack. (PHONES L, R, OUTPUT L/L+R, R) Check the output level of the R channel. (1049 Hz (C5) sine wave) (PHONES L, R: 33 Ω load, OUTPUT L/L+R, R: 10 kΩ load (2 monaural jacks used simultaneously)) · PHONES L: -45.0 dBu or less PHONES R: -0.2 ± 2 dBu · OUTPUT L/L+R: -60.0 dBu or less OUTPUT R: +5.3 ± 2 dBu
11	**011 : Output L Check**	Checking the L channel output. Set the [MASTER VOLUME] control to the maximum position in advance of testing. *** It is not possible to operate the VOLUME control while testing.** Connect a level meter (with a JIS-C filter) to each jack. (PHONES L, R, OUTPUT L/L+R, R) Check the output level of the L channel. (1049 Hz (C5) sine wave) (PHONES L, R: 33 Ω load, OUTPUT L/L+R, R: 10 kΩ load (2 monaural jacks used simultaneously)) · PHONES L: -0.2 ± 2 dBu PHONES R: -45.0 dBu or less · OUTPUT L/L+R: +5.3 ± 2 dBu OUTPUT R: -60.0 dBu or less
12	**012 : MultiAMP Low Check**	Checking the multi-amplifier on the LOW side. Check that the sound is produced with 1 kHz sine wave from the right and left woofers. Sound production stops when returning to the selection screen with the [START/STOP] button.
13	**013 : MultiAMP High Check**	Checking the multi-amplifier on the HIGH side. Check that the sound is produced with 5 kHz sine wave from the right and left tweeters. Sound production stops when returning to the selection screen with the [START/STOP] button.
14	**014 : SP MUTE Check**	Checks SP MUTE. Sound is produced with about 1049Hz (C5) sine wave at a specified level of the L and R channel. Switch between MUTE ON (sound muted) and MUTE OFF (sound produced) with the [TAB ◄►] button. **MUTE ON** [TAB ►]: The SP output is muted. **MUTE OFF** [TAB ◄]: The SP output is produced. (The plug should be unconnected from the PHONES terminal.)
15	**015 : DAC MUTE Check**	Checks DAC MUTE. Sound is produced with about 1049Hz (C5) sine wave at a specified level of the L and R channel. Switch between MUTE ON (sound muted) and MUTE OFF (sound produced) with the [TAB ◄►] button. **MUTE ON** [TAB ►]: The SP output and PHONES output are muted. **MUTE OFF** [TAB ◄]: The SP output and PHONES output are produced. (The plug should be unconnected from the PHONES terminal when checking the SP output.)
16	**016 : MUTE Check**	Checking MUTE. Set the [MASTER VOLUME] control to the maximum position in advance of testing. *** It is not possible to operate the VOLUME control while testing.** Sound is produced with about 1049Hz (C5) sine wave at a specified level of the L and R channel. Switch between MUTE ON (sound muted) and MUTE OFF (sound produced) with the [TAB ◄►] button. Verify that MUTE relay is not stuck. **MUTE ON** [TAB ►]: The SP output and PHONES output are muted. **MUTE OFF** [TAB ◄]: The SP output and PHONES output are produced. (The plug should be unconnected from the PHONES terminal when checking the SP output.) Check output level when MUTE ON is selected. Connect a level meter (with a JIS-C filter) to each jack. (OUTPUT L/L+R, R) Check the output level. (OUTPUT L/L+R, R: 10 kΩ load (2 monaural jacks used simultaneously)) OUTPUT L, R: -35.0 dBu or less

Test No.	LCD display	Test descriptions, judging conditions, etc.
17	**017 : SIOF Check**	Checking SIOF. Have the sound produced from 2 SIOF signal lines (Line-A, Line-B) using the [TAB ◄►] button to check for correct connection. **Line-A** [TAB ◄]: A3 (441 Hz) sound is produced from L channel and muted repeatedly at 1-second intervals. "**Line-A**" is displayed on the LCD. **Line-B** [TAB ►]: C5 (1049 Hz) sound is produced from R channel and muted repeatedly at 1-second intervals. "**Line-B**" is displayed on the LCD. When the test is started, the sound is produced from Line-A.
18	**018 : AUX-IN Check**	Checking AUX IN. Start checking with the plug disconnected. 1. "**Not Inserted**" is displayed on the LCD when the test is executed. 2. Insert the stereo mini plug into the [AUX IN] terminal. "**Inserted**" is displayed on the LCD. 3. Check that the sound inputted to the [AUX IN] terminal is output at the [OUTPUT] and [PHONES] terminals. **NOTE: Connect and then disconnect the jack before inserting the jack for measurement or no signal will be output from the [OUTPUT] terminal.**
19	**019 : MIC Check**	Checking MIC. Set the [MASTER VOLUME] control to the maximum position in advance of testing. *** It is not possible to operate the VOLUME control while testing.** Start checking with the microphone disconnected. 1. "**Not Inserted**" is displayed on the LCD when the test is executed. 2. Insert the microphone into the [MIC] terminal. "**Inserted**" is displayed on the LCD. 3. Speak into the microphone. Check that there is no abnormal sounds or noise. 4. Connect a level meter (with a JIS-C filter) to the L/R of the [PHONES] connectors. (33 Ω load) 5. Measure at each output jack when 1 kHz sine wave of –40 dBu is input to the [MIC] jack. 6. Set the [MIC/LINE] select switch to [MIC] and set the [INPUT VOLUME] at the maximum level. PHONES L, R: -4.0 ± 2 dBu 7. Set the [MIC/LINE] select switch to [LINE]. PHONES L, R: -15.5 ± 2 dBu
20	**020 : SW, LED Check**	Checking switches and switch LEDs. Activate switches shown on the LCD one by one and a sound is played at the prescribed pitch respectively (refer to page 70). When a switch with LED is turned on, the LED will light up, too. (A two-colored LED will light in red.) Sound continues to play as long as the switch is pressed. The LED continues to light until the next switch is pressed. To quit the test halfway, use the [DEMO] button or the lowest key on the keyboard to return to the selection screen. After all the switches are pressed, **"Dial Down"** will be shown on the LCD for [Data entry] dial check. Turn the [Data entry] dial counterclockwise and the number on the LCD will change from 50 to 0 and **"Dial Up"** will be shown on the LCD. Next, turn the dial clockwise and make sure that **"SW, LCD Check END"** is displayed on the LCD.
21	**021 : All LED On**	Checking whole LEDs' lighting up. Check that all the LEDs will light.
22	**022 : Red LED On**	Checking whole red LEDs' lighting up. Check that all the red LEDs will light.
23	**023 : Green LED On**	Checking whole green LEDs' lighting up. Check that all the green LEDs will light.
24	**024 : All LCD On**	Checking whole LCD's lighting up. Check that all the dots in the LCD are turned black.
25	**025 : All LCD Off**	Checking whole LCD's turning off. Check that all the dots in the LCD are turned white.
26	**026 : LCD Pattern Check**	Checking LCD pattern. Use the [TAB ►] button to select in the order of RGB pattern, rainbow pattern, and flicker noise pattern. Use the [TAB ◄] button to switch in reverse order. The color patterns are for checking LCD picture quality. Check that there is no abnormality in the display.

Test No.	LCD display	Test descriptions, judging conditions, etc.
27	027 : LCD Backlight Off Check	Checking LCD backlight for ON/OFF function. Switch the backlight ON and OFF with the [TAB ◄►] button.
28	028 : Main Volume Check	Checking the main volume. When the [MASTER VOLUME] knob is turned counterclockwise and MIN (minimum value) is detected, "**Main Volume MIN 0**" is displayed. When the [MASTER VOLUME] knob is turned clockwise and MAX (maximum value) is detected, "**OK 255**" is displayed. Check that the minimum value (0) and maximum value (255) of the main volume can be detected.
29	029 : Emergency Circuit Check	Checking the abnormal detection circuit for proper operation. Sound is produced with about 441Hz (A3) sine wave at a specified level, PAN=center. Using the [TAB ◄►] button, switch between the function valid (sound muted) and invalid (sound produced) for this check. **Emergency Circuit Check ON** [TAB ►]: With the function set to valid, the SP output sound is muted. **Emergency Circuit Check OFF** [TAB ◄]: With the function set to invalid, the SP output sound is produced. (The plug should be unconnected from the PHONES terminal.)
30	030 : Pitch Bend Wheel Check	Checking PITCH BEND. When the test is started, "**Pitch Bend Up 128**" is displayed. Set the [PITCH BEND] wheel to the maximum position and check that the G3 sound is produced and "**Pitch Bend Down 255**" is displayed. Set the [PITCH BEND] wheel to the minimum position and check that , the C3 sound is produced and "**Pitch Bend Center 0**" is displayed. Set the [PITCH BEND] wheel to the center position and check that the C4 sound is produced and "**OK 0**" is displayed.
31	031 : Modulation Wheel Check	Checking MODULATION. When the test is started, "**Modulation Up** ***" is displayed. Set the [MODUCATION] wheel to the maximum position and check that the G3 sound is produced and "**Modulation Down 255**" is displayed. Set the [MODULATION] wheel to the minimum position and check that the C4 sound is produced and "**OK 0**" is displayed.
32	032 : Pedal 1 Check	Checking the Pedal 1. Connect the foot controller (FC7) to the [FOOT PEDAL 1] jack. When the pedal is set to the minimum and C3 is played. When the pedal is set to the maximum and G3 is played. Disconnect the foot controller from the [FOOT PEDAL 1] jack and C4 is played. Check that **"Pedal 1 Check OK"** is displayed on the LCD when the test is completed.
33	033 : Pedal 2 Check	Checking the Pedal 2. Connect the foot controller (FC7) to the [FOOT PEDAL 2] jack. When the pedal is set to the minimum and C3 is played. When the pedal is set to the maximum and G3 is played. Disconnect the foot controller from the [FOOT PEDAL 2] jack and C4 is played. Check that **"Pedal 2 Check OK"** is displayed on the LCD when the test is completed.
34	034 : MIDI Check	Checking MIDI. Connect the [MIDI IN] connector and [MIDI OUT] connector with a MIDI cable and then execute the test. Check that C4 is played and **"MIDI Check OK"** is displayed on the LCD.
35	035 : VIDEO OUT NTSC RGB	Checking Video OUT. Connect an appropriate display monitor to the [VIDEO OUT] jack. Check that RGB color code is shown on the display monitor when the test is executed.
36	036 : VIDEO OUT PAL RGB	Checking Video OUT. Connect an appropriate display monitor to the [VIDEO OUT] jack. Check that RGB color code is shown on the display monitor when the test is executed.

Test No.	LCD display	Test descriptions, judging conditions, etc.
37	037 : USB to Device/Host Check	Checking USB Device/Host. Enter the test with the [START/STOP] button and **"Connect Device – Host"** will be shown on the LCD. Connect the USB cable to [USB TO DEVICE] and [USB TO HOST] terminals and check that "**Device – Host OK"** is displayed and the C4 sound is produced.
38	038 : USB Storage Device Check	Checking the USB Storage. Insert the USB memory and press the [Start/Stop] button. Check that **"USB Storage Device Check OK"** is displayed on the LCD. If no media is inserted, "**NO DISK**" will be displayed. If the media is unformatted, "**UNFORMAT DISK**" will be displayed. If the media is protected, "**PROTECT DISK**" will be displayed. If failed in reading/writing, "**NG**" will be displayed.
39	039 : Keyboard Type Check	Checking Keyboard Type. Check that **"Keyboard Type Check OK (16M)"** is displayed on the LCD.
40	040 : ROM Check2	Checking the ROM connected to the CPU bus and SSP2 bus. (Complete check) Check that **"ROM Check2 OK"** is displayed on the LCD. When the result is NG: **MAIN PROG ROM (IC16) NG** **SSP ROM (IC610) NG**
41	041 : RAM Check2	Checking the RAM connected to the CPU bus and SSP2 bus. (Complete check) Check that **"RAM Check2 OK"** is displayed on the LCD. When the result is NG: **MAIN SDRAM (IC204, IC205, IC206, IC207) NG** **MAIN SDRAM (IC209) NG** **SSP SDRAM (IC609) NG**
42	042 : Backup ROM Check2	Checking the BACKUP ROM connected to the CPU bus. (Complete check) Check that **"Backup ROM Check2 OK"** is displayed on the LCD. It will take about 5 minutes for the check. When the result is NG: **BACKUP (IC23) NG**
43	043 : Wave ROM Check2	Checking the WAVE ROM connected to the TG bus. (Complete check) Check that **"Wave ROM Check2 OK"** is displayed on the LCD. It will take about 2 minutes, 14 seconds for the check. When the result is NG: **Wave1 (IC602, IC606) NG**
44	044 : Effect RAM Check2	Checking the Effect RAM connected to the TG bus. (Complete check) Check that **"Effect RAM Check2 OK"** is displayed on LCD. It will take about 35 seconds for the check. When the result is NG: **Effect1 (IC613) NG**
47	047 : Factory Set	If the Factory Set is executed, Internet setup will be lost. Initializing the entire data to reset to the initial factory setup. * Only the flag for initialization is raised in this stage and the actual initialization will be executed when the power is turned on the next time. Check that **"Factory Set OK"** is displayed on LCD. After executing this Factory Set, make sure to execute the test No. 48 "Test Exit". Do not turn off the power until the main screen is indicated after turning on the power the next time.
48	048 : Test Exit	This will leave the test program and change to the play mode. **Do not turn off the power until the main screen is indicated after executing the Test Exit.**

● Other Tests

AUX IN

Check that the output is as shown in the following table when signals are input to the AUX IN.

INPUT \ OUTPUT	OUTPUT (10 kΩ load)		PHONES (33 Ω load)	
	L/L+R	R	L	R
AUX IN L: Sine wave (1 kHz, 0 dBu) R: No input	+7.4 ± 2 dBu	-50.0 dBu or less	+1.8 ± 2 dBu	-40.0 dBu or less
AUX IN L: No input R: Sine wave (1 kHz, 0 dBu)	-50.0 dBu or less	+7.4 ± 2 dBu	-40.0 dBu or less	+1.8 ± 2 dBu

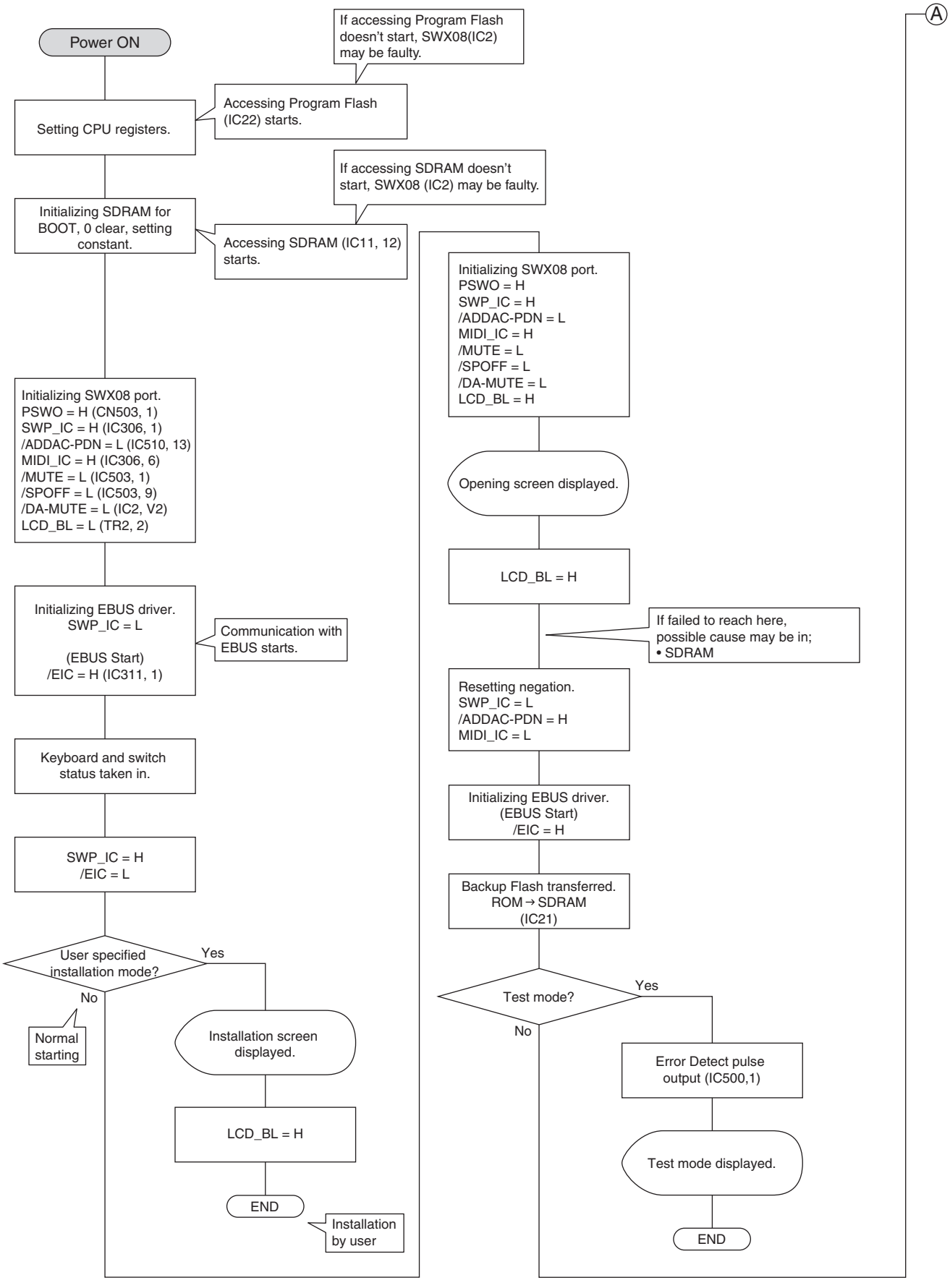
Noise Level Check

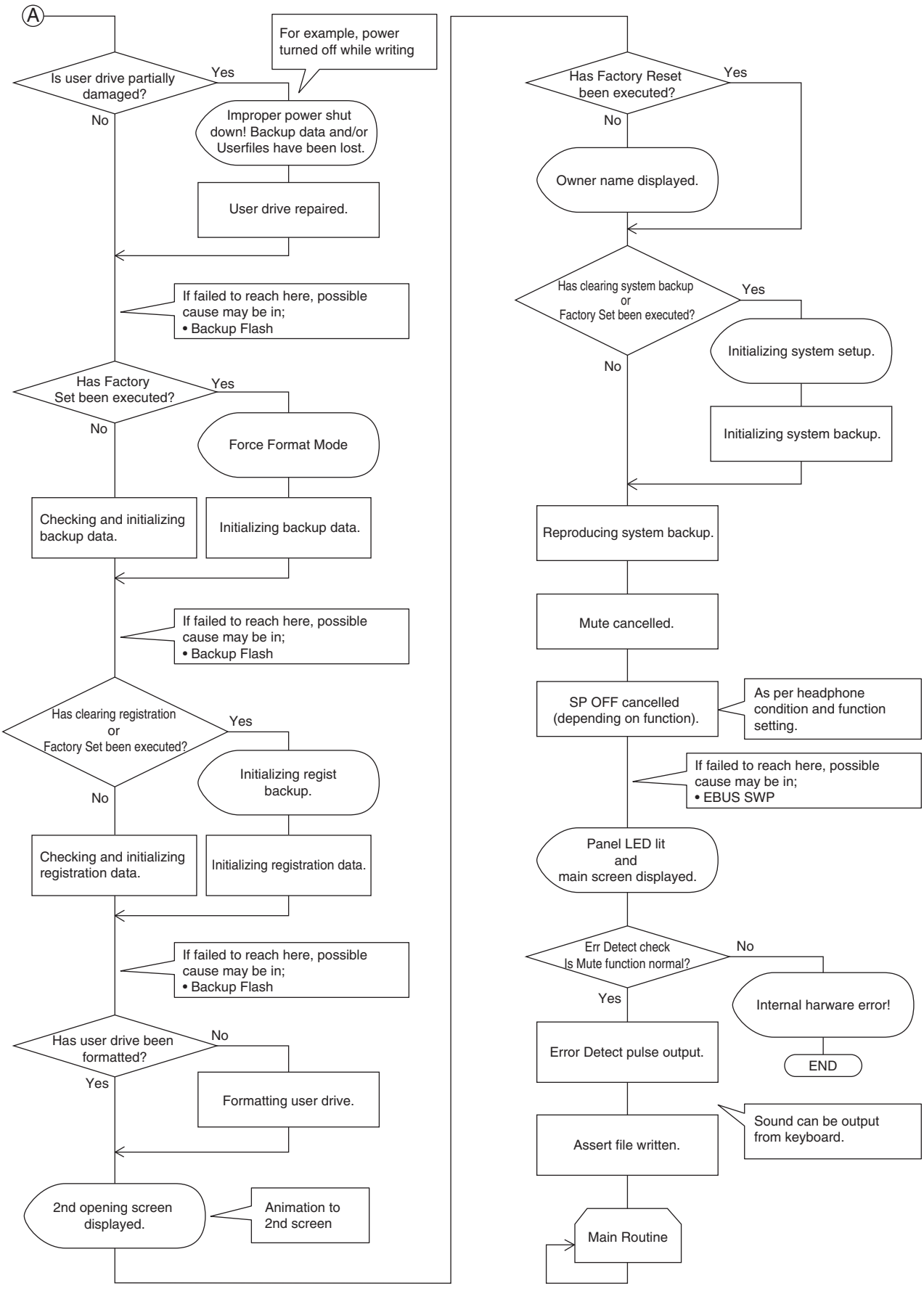
Connect the level meter (with JIS-C filter) to the L/R of the [PHONES/OUTPUT] jack. (33 ohms load)
Set the [MASTER VOLUME] to the maximum level and check the noise level.
· PHONES L, R: –90 dBu or less

Switch Test Sequence (PSR-S950)

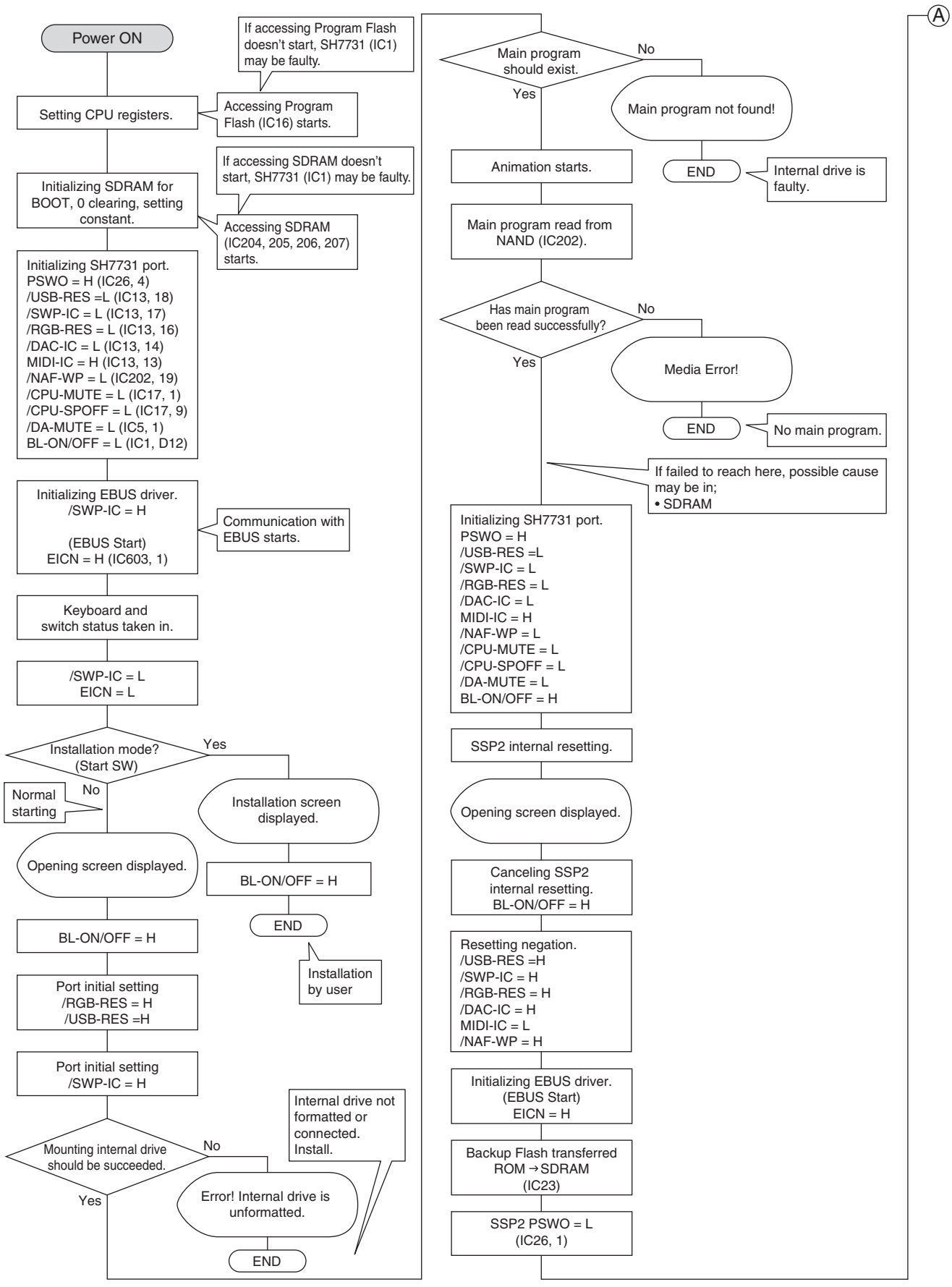
Turn	SW Name / Display	Note number
1	SELECT	C2
2	SCORE	C#2
3	LYRICS/TEXT	D2
4	GUIDE	D#2
5	REPEAT	E2
6	EXTRA TR	F2
7	TR 2	F#2
8	TR 1	G2
9	REC	G#2
10	STOP	A2
11	PLAY/PAUSE	A#2
12	REW	B2
13	FF	C3
14	POP & ROCK	C#3
15	SWING & JAZZ	D3
16	LATIN	D#3
17	ENTERTAINER	E3
18	BALLAD	F3
19	R & B	F#3
20	BALLROOM	G3
21	WORLD	G#3
22	DEMO	A3
23	DANCE	A#3
24	COUNTRY	B3
25	MOVIE & SHOW	C4
26	USER	C#4
27	MIC SET & VOC HARM	D4
28	TAP -	D#4
29	TAP +	E4
30	TAP TEMPO	F4
31	TRANSPOSE –	F#4
32	TRANSPOSE +	G4
33	METRONOME	G#4
34	ACMP	A4
35	FADE IN/OUT	A#4
36	OTS LINK	B4
37	AUTO FILL IN	C5
38	INTRO Ⅰ	C#5
39	INTRO Ⅱ	D5
40	INTRO Ⅲ	D#5
41	MAIN A	E5
42	MAIN B	F5
43	MAIN C	F#5
44	MAIN D	G5
45	BREAK	G#5
46	ENDING/rit. Ⅰ	A5
47	ENDING/rit. Ⅱ	A#5
48	ENDING/rit. Ⅲ	B5
49	SYNC STOP	C2
50	SYNC START	C#2
51	START/STOP	D2
52	A	D#2
53	B	E2
54	C	F2
55	D	F#2
56	E	G2
57	BALANCE	G#2
58	MIXING CONSOLE	A2
59	CHANNEL ON/OFF	A#2
60	DIRECT ACCESS	B2
61	TAB ◀	C3
62	TAB ▶	C#3
63	F	D3
64	G	D#3
65	H	E3
66	I	F3
67	J	F#3
68	FUNCTION	G3
69	1▲	G#3
70	2▲	A3
71	3▲	A#3
72	4▲	B3
73	5▲	C4
74	6▲	C#4
75	7▲	D4
76	8▲	D#4
77	1▼	E4
78	2▼	F4
79	3▼	F#4
80	4▼	G4
81	5▼	G#4
82	6▼	A4
83	7▼	A#4
84	8▼	B4
85	EXIT	C5
86	USB AUDIO PLAYER	C#5
87	USB	D5
88	PIANO	D#5
89	GUITAR & BASS	E5
90	ORGAN	F5
91	ACCORDION & HARMONICA	F#5
92	PERC. & DRUM KIT	G5
93	E. PIANO	G#5
94	SAXOPHONE	A5
95	TRUMPET	A#5
96	CHOIR & PAD	B5
97	ORGAN FLUTES	C2
98	STRINGS	C#2
99	WOODMIND	D2
100	BRASS	D#2
101	SYNTH. & FX	E2
102	USER	F2
103	HARMONY/ECHO	F#2
104	TOUCH	G2
105	SUSTAIN	G#2
106	MONO	A2
107	DSP	A#2
108	VARI.	B2
109	MUSIC FINDER	C3
110	PART SELECT LEFT	C#3
111	PART SELECT RIGHT 1	D3
112	PART SELECT RIGHT 2	D#3
113	ENTER	E3
114	LEFT HOLD	F3
115	PART ON/OFF LEFT	F#3
116	PART ON/OFF RIGHT 1	G3
117	PART ON/OFF RIGHT 2	G#3
118	REGIST BANK –	A3
119	REGIST BANK +	A#3
120	FREEZE	B3
121	MEMORY	C4
122	REGIST. MEMORY 1	C#4
123	REGIST. MEMORY 2	D4
124	REGIST. MEMORY 3	D#4
125	REGIST. MEMORY 4	E4
126	REGIST. MEMORY 5	F4
127	REGIST. MEMORY 6	F#4
128	REGIST. MEMORY 7	G4
129	REGIST. MEMORY 8	G#4
130	M.PAD SELECT	A4
131	M.PAD 1	A#4
132	M.PAD 2	B4
133	M.PAD 3	C5
134	M.PAD 4	C#5
135	M.PAD STOP	D5
136	OTS 1	D#5
137	OTS 2	E5
138	OTS 3	F5
139	OTS 4	F#5
140	UPPER OCTAVE –	G5
141	UPPER OCTAVE +	G#5

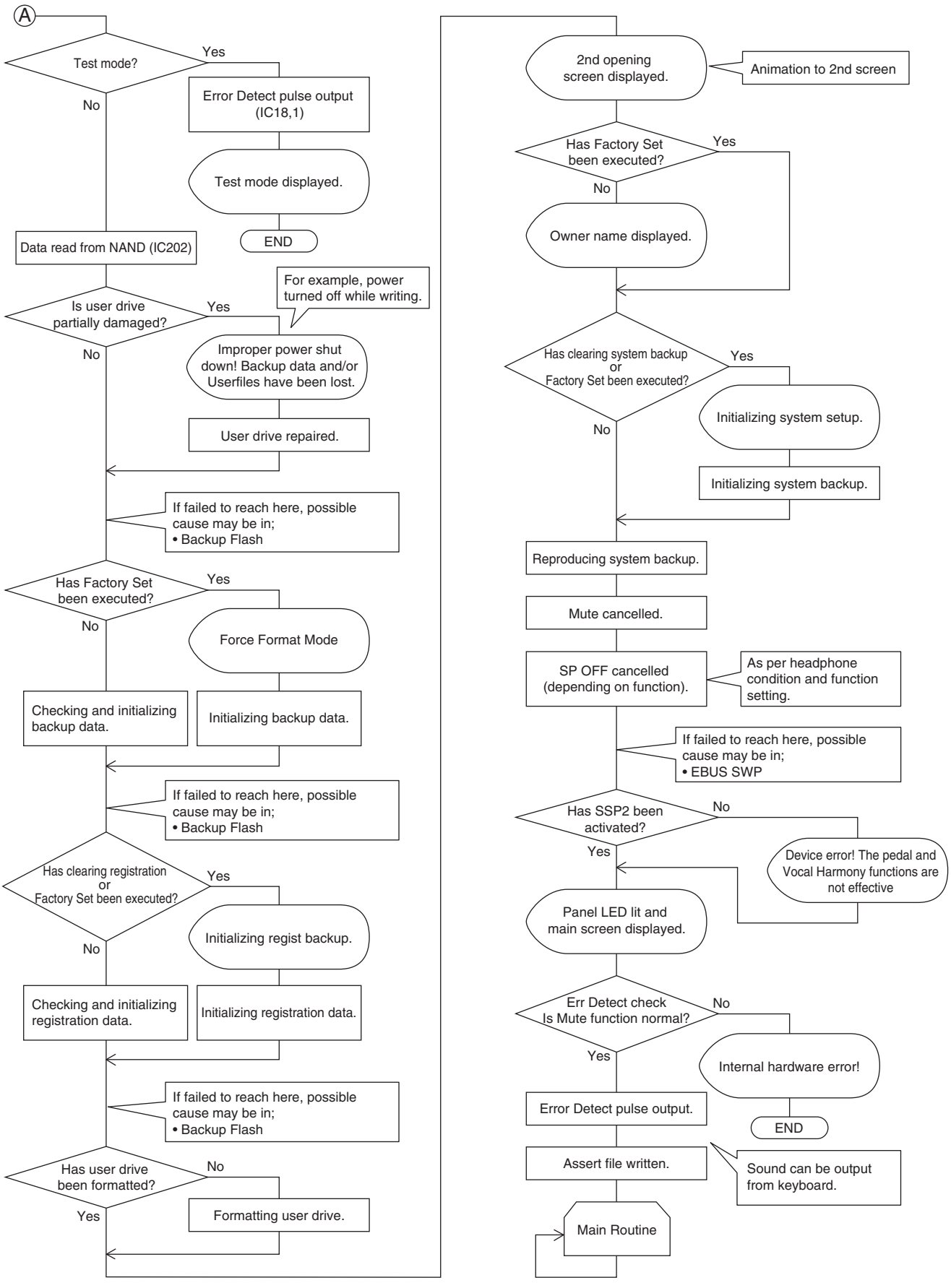
PSR-S750 SYSTEM BOOTING FLOWCHART




A
Is user drive partially damaged?
Yes
No
For example, power turned off while writing
Improper power shut down! Backup data and/or Userfiles have been lost.
User drive repaired.
If failed to reach here, possible cause may be in;
• Backup Flash
Has Factory Set been executed?
Yes
No
Force Format Mode
Checking and initializing backup data.
Initializing backup data.
If failed to reach here, possible cause may be in;
• Backup Flash
Has clearing registration or Factory Set been executed?
Yes
No
Initializing regist backup.
Checking and initializing registration data.
Initializing registration data.
If failed to reach here, possible cause may be in;
• Backup Flash
Has user drive been formatted?
No
Yes
Formatting user drive.
2nd opening screen displayed.
Animation to 2nd screen
Has Factory Reset been executed?
Yes
No
Owner name displayed.
Has clearing system backup or Factory Set been executed?
Yes
No
Initializing system setup.
Initializing system backup.
Reproducing system backup.
Mute cancelled.
SP OFF cancelled (depending on function).
As per headphone condition and function setting.
If failed to reach here, possible cause may be in;
• EBUS SWP
Panel LED lit and main screen displayed.
Err Detect check Is Mute function normal?
No
Yes
Internal harware error!
END
Error Detect pulse output.
Assert file written.
Sound can be output from keyboard.
Main Routine

PSR-S950 SYSTEM BOOTING FLOWCHART




A
Test mode?
Yes
No
Error Detect pulse output (IC18,1)
Test mode displayed.
END
Data read from NAND (IC202)
Is user drive partially damaged?
Yes
No
For example, power turned off while writing.
Improper power shut down! Backup data and/or Userfiles have been lost.
User drive repaired.
If failed to reach here, possible cause may be in;
• Backup Flash
Has Factory Set been executed?
Yes
No
Force Format Mode
Checking and initializing backup data.
Initializing backup data.
If failed to reach here, possible cause may be in;
• Backup Flash
Has clearing registration or Factory Set been executed?
Yes
No
Initializing regist backup.
Checking and initializing registration data.
Initializing registration data.
If failed to reach here, possible cause may be in;
• Backup Flash
Has user drive been formatted?
No
Yes
Formatting user drive.
2nd opening screen displayed.
Animation to 2nd screen
Has Factory Set been executed?
Yes
No
Owner name displayed.
Has clearing system backup or Factory Set been executed?
Yes
No
Initializing system setup.
Initializing system backup.
Reproducing system backup.
Mute cancelled.
SP OFF cancelled (depending on function).
As per headphone condition and function setting.
If failed to reach here, possible cause may be in;
• EBUS SWP
Has SSP2 been activated?
No
Yes
Device error! The pedal and Vocal Harmony functions are not effective
Panel LED lit and main screen displayed.
Err Detect check Is Mute function normal?
No
Yes
Internal hardware error!
Error Detect pulse output.
END
Assert file written.
Sound can be output from keyboard.
Main Routine

PSR-S750 DM CIRCUIT BOARD CHECK METHOD

The DM Circuit Board is provided with test points for service check purposes.
Check the test points on the DM Circuit Board if the following symptoms appear.

Symptoms and check items

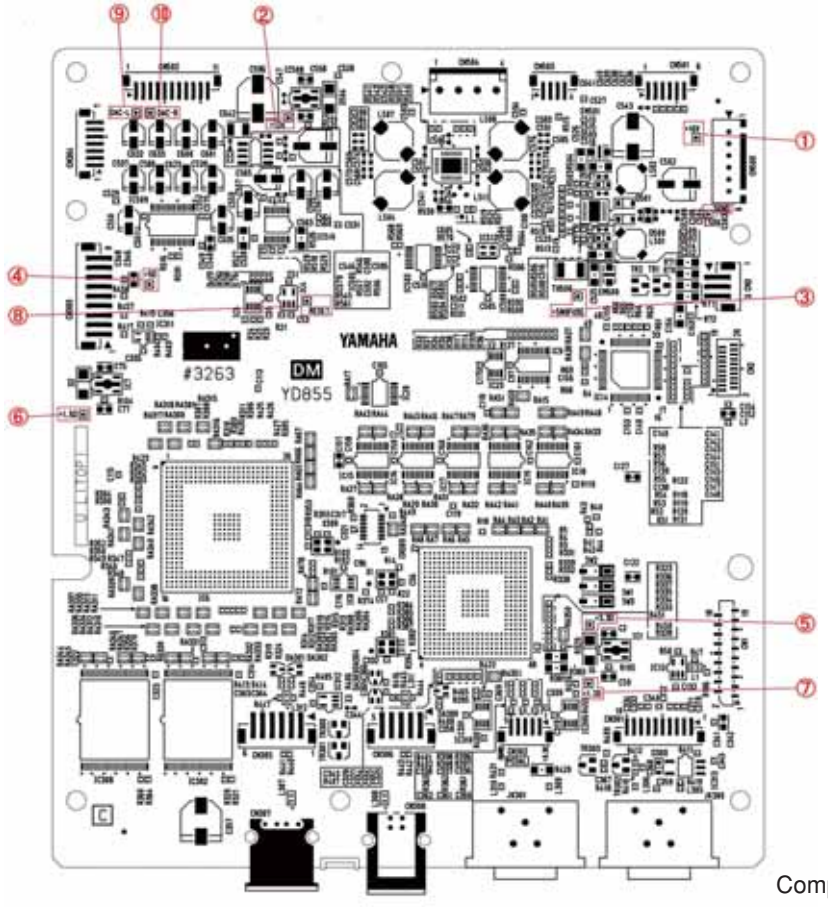
① No LCD display with Power SW ON --> Check items 1 to 8 sequentially
② No sound or distorted sound --> Check items 1, 9 and 10

Test Point

NO.	Test Point	Circuit	Judgment criteria	Measured by	Parts with possible defects
1	+16V	Power supply for DM circuit board	More than 14.0V	Multimeter	FT1 or TH1 (On AJACK Circuit Board)
2	+12A	12V power for analog circuit	12.0V±0.5V	Multimeter	IC1 (On AJACK Circuit Board)
3	+5 NOFUSE	5V power for digital circuit	5.0V±0.2V	Multimeter	IC502
4	+5D	5V power for digital circuit with protect device	5.0V±0.2V	Multimeter	TH500
5	+3.3D	3.3 V power for digital circuit	3.3V±0.1V	Multimeter	IC502
6	+1.5D	1.5V power for analog circuit	3.3V±0.1V	Multimeter	IC7
7	+1.2D	1.2V power for digital circuit	1.2V±0.1V	Multimeter	IC1
8	RESET	CPU & memory reset signal	3.3V±0.3V	Multimeter	IC4 or IC5
9	DAC-L	DAC output L channel	There shall be audio output without distortion.	Signal Checker	IC508, IC509 or IC504
10	DAC-R	DAC output R channel	There shall be audio output without distortion.	Signal Checker	IC508, IC509 or IC504

Note1: Use the standard AC adapter PA-300C for check operation.
Note2: It measures by opposite DGND except special notes.

DM Circuit Board (WZ353700)



Component side

PSR-S950 DM CIRCUIT BOARD CHECK METHOD

The DM Circuit Board is provided with test points for service check purposes.
Check the test points on the DM Circuit Board if the following symptoms appear.

Symptoms and check items

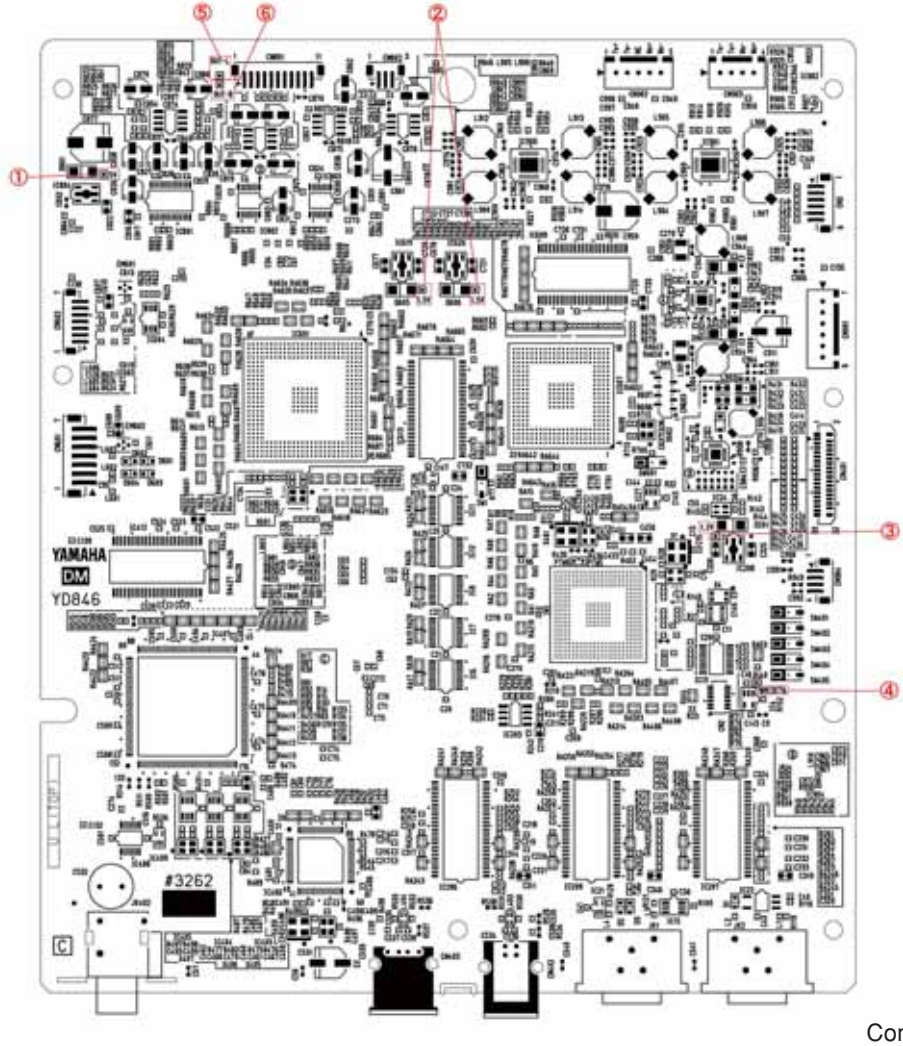
① No LCD display with Power SW ON --> Check items 1 to 4 sequentially
② No sound or distorted sound --> Check items 1, 5 and 6

Test Point

NO.	Test Point	Circuit	Judgment criteria	Measured by	Parts with possible defects
1	5V	5V power for analog circuit	5.0V±0.2V	Multimeter	IC804
2	1.5V	1.5V power for digital circuit	3.3V±0.1V	Multimeter	IC619 or IC620
3	1.2V	1.2V power for digital circuit	1.2V±0.1V	Multimeter	IC208
4	RESET	CPU & memory reset signal	3.3V±0.3V	Multimeter	IC4
5	OUT-L	DAC output L channel (AUX OUT)	There shall be audio output without distortion.	Signal Checker	IC801or IC807
6	OUT-R	DAC output R channel (AUX OUT)	There shall be audio output without distortion.	Signal Checker	IC801or IC807

Note1: Use the standard AC adapter PA-300C for check operation.
Note2: It measures by opposite DGND except special notes.

DM Circuit Board (WZ493400)



Component side

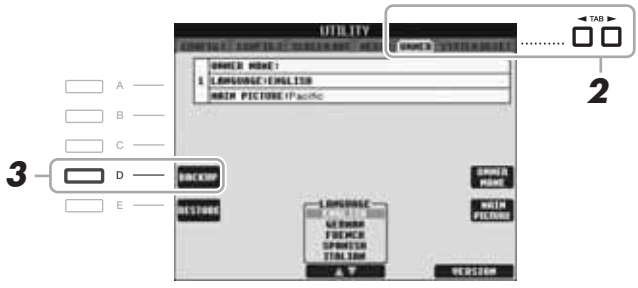
DATA BACKUP

This procedure backs up all data saved in USER drive (except Protected Songs and Expansion Voices/Styles) and all settings of the instrument to a USB flash memory.
Yamaha recommends that you back up important data to a USB flash memory since the data in the instrument may be lost on occasion through malfunction or incorrect operation.

1 Insert/connect the backup USB storage device (destination).

2 Call up the operation display.

[FUNCTION] → [I] UTILITY → TAB [◄][►] OWNER



3 Press the [D] (BACKUP) button to save the data to the USB storage device.

To restore the data, press the [E] (RESTORE) button in this display. When the operation is complete, the instrument will be re-started automatically.

NOTE Completing the backup/restore operation may take a few minutes.

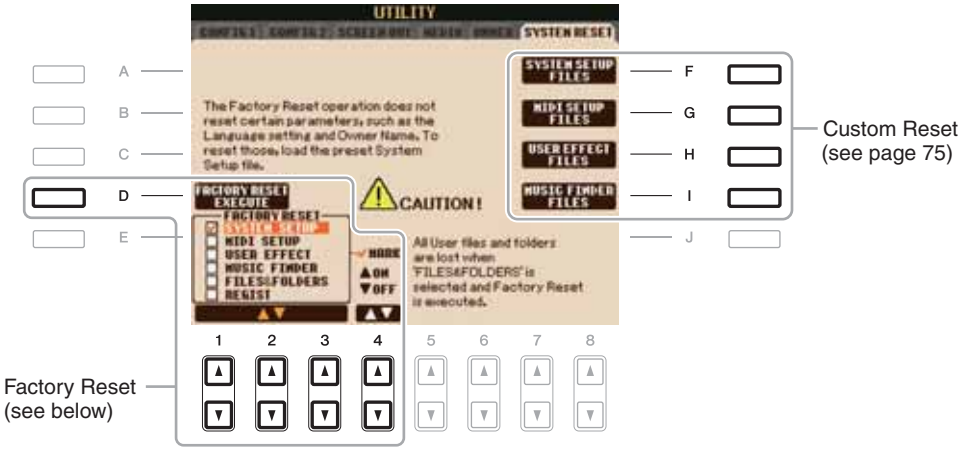
Move the Protected Songs which are saved to the USER display before restoring. If the Songs are not moved, the operation deletes the data.

NOTE To save the Song, Style, Multi Pad, Registration Memory Bank and Voice independently, execute the Copy and Paste operation from the File Selection display.

NOTE To save the Music Finder Record, Effect, MIDI Template and System File, call up the operation display: [FUNCTION] → [J] UTILITY → TAB [◄][►] SYSTEM RESET. For more information, refer to the Reference Manual on the website.

SYSTEM RESET

There are two reset methods in the SYSTEM RESET display: Factory Reset and Custom Reset.



• Factory Reset—Restoring the Factory Programmed Settings

This function lets you restore the status of the instrument to the original factory settings.

1 **Call up the operation display.**

[FUNCTION] → [I] UTILITY → TAB [◄][►] SYSTEM RESET

2 **Select the desired item to be restored by using [1 ▲▼]–[3 ▲▼] buttons and add a checkmark to it by pressing the [4 ▲] (MARK ON) button.**

To remove the checkmark, press the [4 ▼] (MARK OFF) button.

SYSTEM SETUP	Restores the System Setup parameters to the original factory settings. Refer to the Data List for details about which parameters belong to the System Setup.
MIDI SETUP	Restores the MIDI settings including the MIDI templates on the USER tab display to the original factory status.
USER EFFECT	Restores the User Effect settings including the user effect types, user master EQ types, and user vocal harmony types (PSR-S950) created via the Mixing Console display to the original factory settings.
MUSIC FINDER	Restores the Music Finder data (all records) to the original factory settings.
FILES & FOLDERS	Deletes all files and folders stored in the USER tab display.
REGIST	Temporarily deletes the current Registration Memory settings of the selected Bank. The same can be done also by turning the [STANDBY/ON] button ON while holding the B5 key (right-most B key on the keyboard).

3 **Press the [D] (FACTORY RESET) button to execute the Factory Reset operation for all checkmarked items.**

• Custom Reset—Saving and Recalling Your Original Settings as a Single File

For the items below, you can save your Original Settings as a Single File for future recall.

1 **Make all desired settings on the instrument.**

2 **Call up the operation display.**

[FUNCTION] → [I] UTILITY → TAB [◄][►] SYSTEM RESET

3 **Press one of the [F]–[I] buttons to call up the relevant display for saving your data.**

[F]	SYSTEM SETUP FILES	Parameters set on the various displays such as the [FUNCTION] → [I] UTILITY and microphone setting display (PSR-S950) are handled as a single System Setup file. Refer to the Data List for details on which parameters belong to the System Setup.
[G]	MIDI SETUP FILES	The MIDI settings including the MIDI templates on the USER tab display are handled as a single file.
[H]	USER EFFECT FILES	The User Effect settings including the user effect types, user master EQ types, and user vocal harmony types (PSR-S950) created via the Mixing Console displays are managed as a single file.
[I]	MUSIC FINDER FILES	All the preset and created records of the Music Finder are handled as a single file.

4 **Use the TAB [◄][►] buttons to select one of the tabs (other than the PRESET) to which your settings will be saved.**

5 **Press the [6 ▼] (SAVE) button to save your file.**

6 **To recall your file, press the desired [F]–[I] buttons in the SYSTEM RESET display, then select the desired file.**

DIGITAL WORKSTATION

PSR-S750
PSR-S950

PARTS LIST

■ CONTENTS

Notes : DESTINATION ABBREVIATIONS

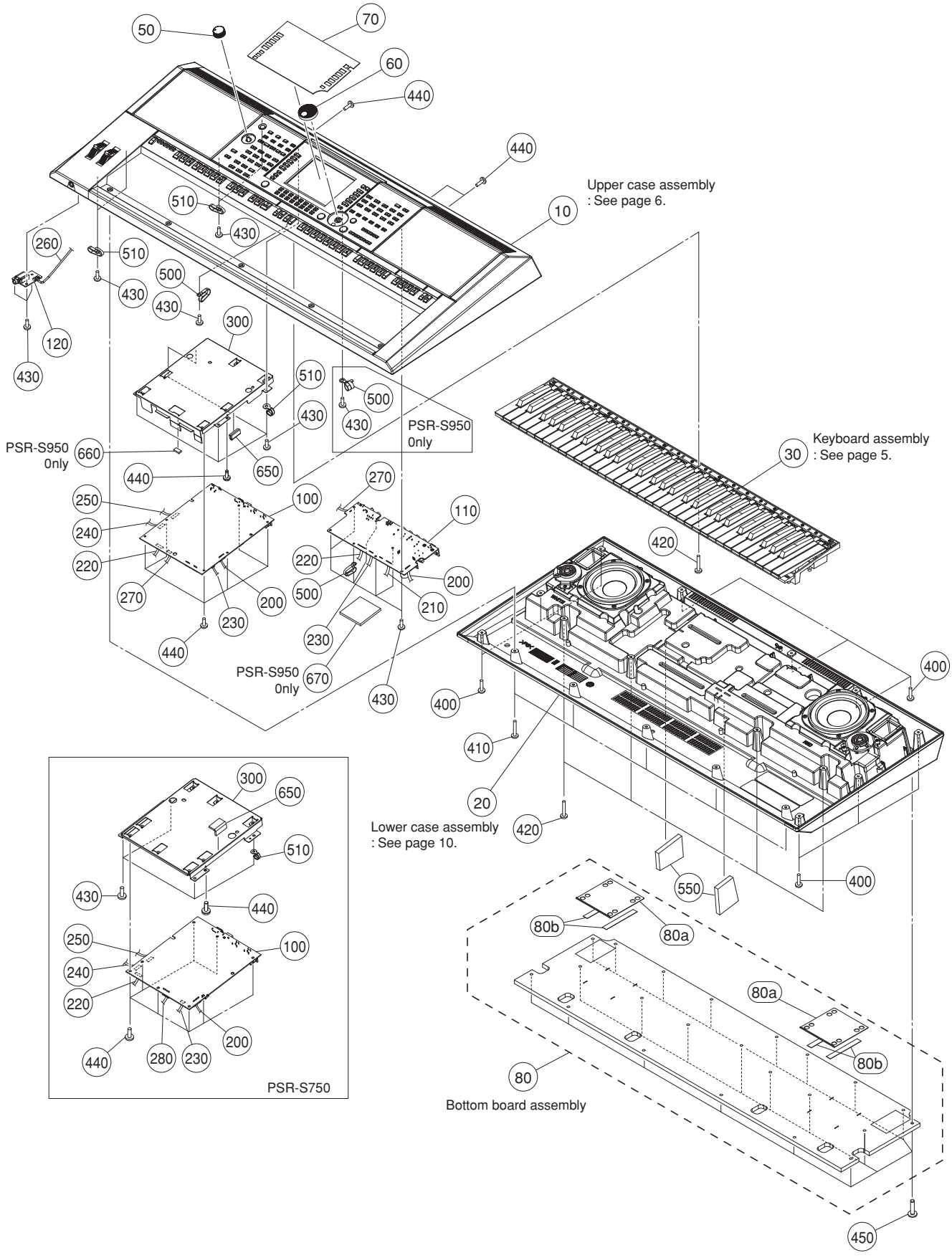
A : Australian model	M : South African model
B : British model	O : Chinese model
C : Canadian model	Q : South-east Asia model
D : German model	T : Taiwan model
E : European model	U : U.S.A. model
F : French model	V : General export model (110V)
H : North European model	W: General export model (220V)
I : Indonesian model	N,X: General export model
J : Japanese model	Y : Export model
K : Korean model	

■ WARNING

Components having special characteristics are marked ⚠ and must be replaced with parts having specification equal to those originally installed.

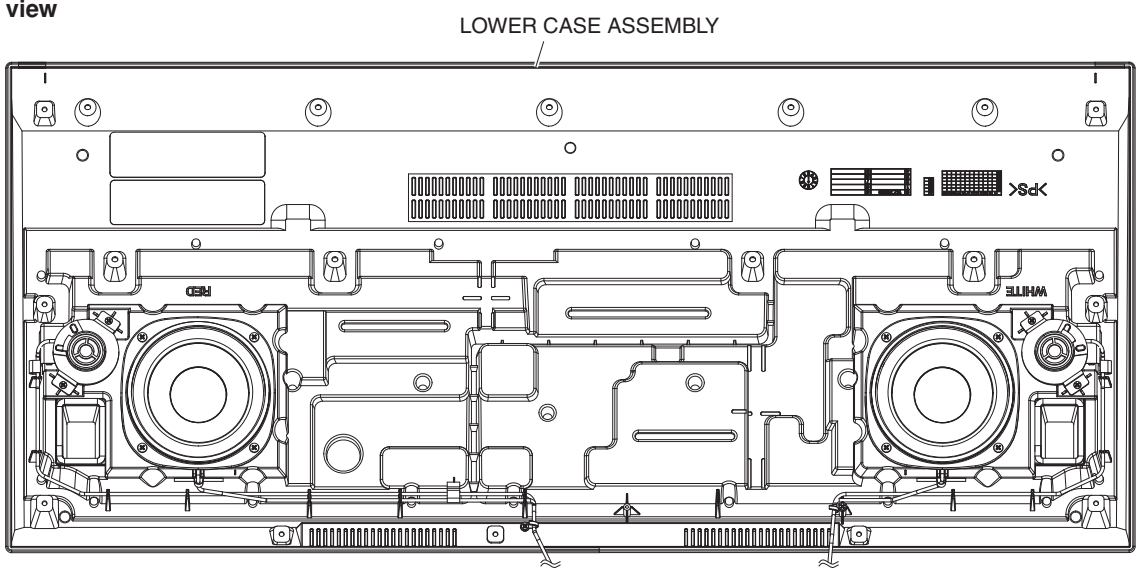
- The numbers “QTY” show quantities for each unit.
- The parts with “--” in “PART NO.” are not available as spare parts.
- This mark “ } ” in the REMARKS column means these parts are interchangeable.
- The second letter of the shaded ( ) part number is O, not zero.
- The second letter of the shaded ( ) part number is I, not one.

OVERALL ASSEMBLY

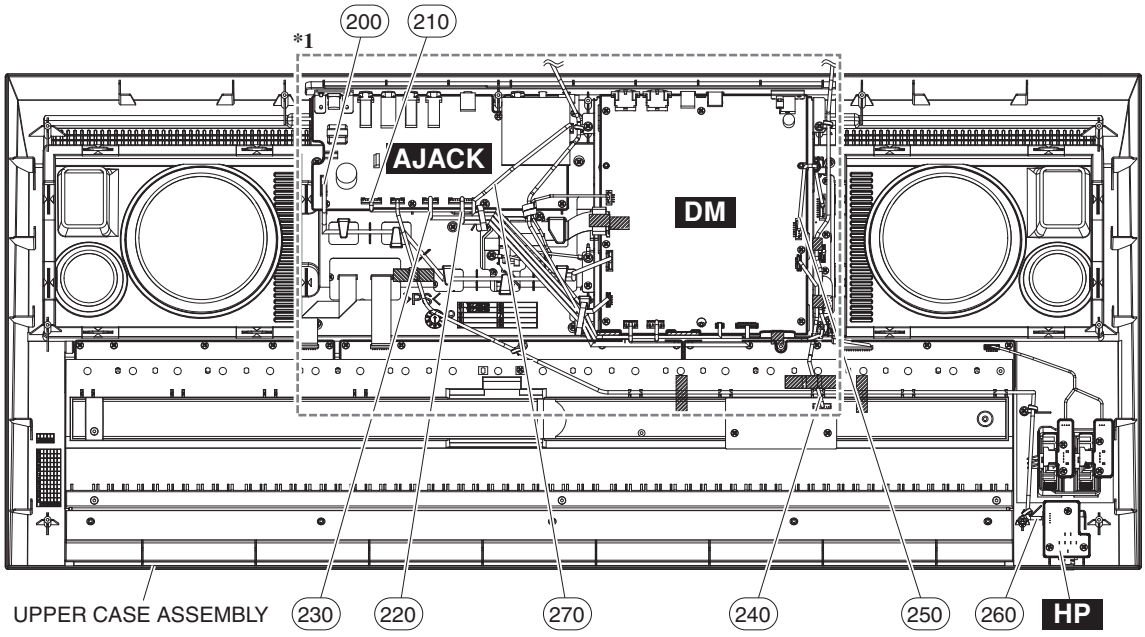


* This figure shows the PSR-S950.

• **Top view**

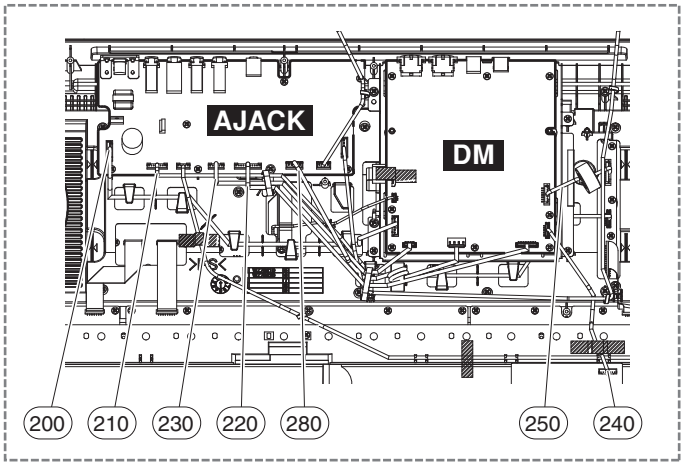


• **Bottom view**



* This figure shows the PSR-S950.

***1:** This figure shows the PSR-S750.

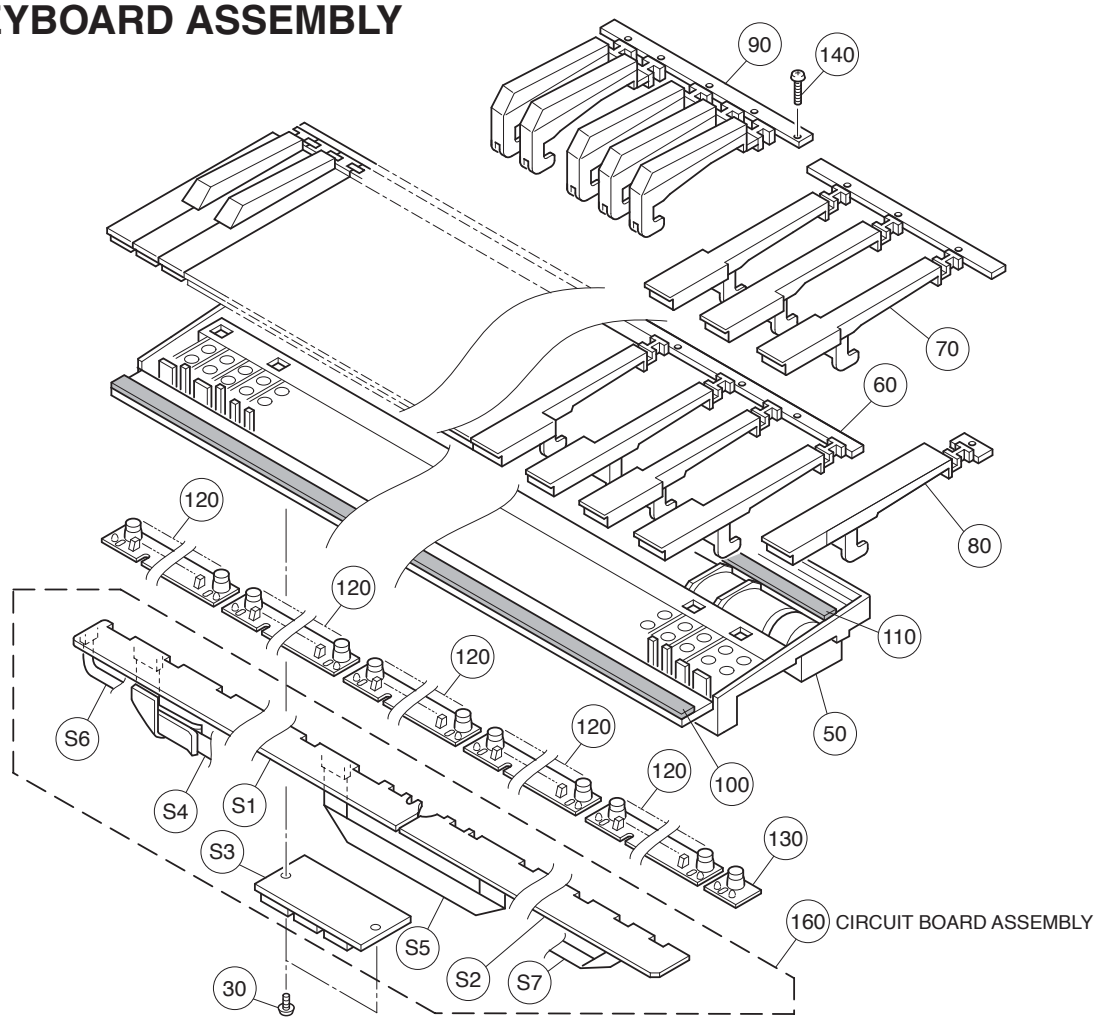


	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS		QTY	RANK
			OVERALL ASSEMBLY		総組立	PSR-S750/PSR-S950			
		--	OVERALL ASSEMBLY		総組立	PSR-S750	(WZ70200)		
		--	OVERALL ASSEMBLY		総組立	PSR-S950	(WZ70190)		
	10	--	UPPER CASE ASSEMBLY		上ケースAss'y	PSR-S750	(WZ89820)		
	10	--	UPPER CASE ASSEMBLY		上ケースAss'y	PSR-S950	(WZ89810)		
	20	--	LOWER CASE ASSEMBLY		下ケースAss'y	PSR-S750	(WZ89870)		
	20	--	LOWER CASE ASSEMBLY		下ケースAss'y	PSR-S950	(WZ89860)		
	30	**WB91420R**	KEYBOARD ASSEMBLY	16M C61-2M-EBUS	16M鍵盤EMKSA				18
*	50	**WZ703600**	VOLUME KNOB BLACK		ボリュームツマミ	MASTER VOLUME			
*	60	**ZA304900**	ENCODER KNOB BLACK		エンコーダー成形品	PSR-S750 Data entry			
*	60	**WZ703500**	ENCODER KNOB		エンコーダーツマミ	PSR-S950 Data entry			
*	70	**ZA703300**	LCD COVER		LCDカバー印刷品	PSR-S750			
*	70	**ZA326300**	LCD COVER		LCDカバー印刷品	PSR-S950			
	80	--	BOTTOM BOARD ASSEMBLY		底板Ass'y		(ZC65070)		
	80a	--	DEGAUSS PLATE		防磁プレート		(ZC64790)	2	
	80b	--	TAPE	#500 W=12	粘着テープ		(VE36310)		
*	100	**WZ353700**	CIRCUIT BOARD	DM	DMシート	PSR-S750			
*	100	**WZ493400**	CIRCUIT BOARD	DM	DMシート	PSR-S950			
*	110	**WZ435600**	CIRCUIT BOARD	AJACK	AJACKシート	PSR-S750			
*	110	**WZ435500**	CIRCUIT BOARD	AJACK	AJACKシート	PSR-S950			
*	120	**WZ435400**	CIRCUIT BOARD	HP	HPシート	PSR-S750			
*	120	**WZ435300**	CIRCUIT BOARD	HP	HPシート	PSR-S950			
	200	--	CONNECTOR ASSEMBLY	XH_S 6P	XH_S束線		(ZA57660)		
	210	--	CONNECTOR ASSEMBLY	PH-ZH_S 8P	PH-ZH_S束線		(ZA57730)		
	220	--	CONNECTOR ASSEMBLY	PH-ZH_S 11P	PH-ZH_S束線		(ZA57680)		
	230	--	CONNECTOR ASSEMBLY	PH-ZH_S 6P	PH-ZH_S束線		(ZA57690)		
	240	--	CONNECTOR ASSEMBLY	PH-ZH_S 7P	PH-ZH_S束線		(ZA57710)		
	250	--	CONNECTOR ASSEMBLY	PH_S 9P	PH_S束線	PSR-S750	(ZE57690)		
	250	--	CONNECTOR ASSEMBLY	EBUS_S PH 9P/7P	EBUS_S束線	PSR-S950	(ZA57740)		
	260	--	CONNECTOR ASSEMBLY	PH_S 5P	PH_S束線		(ZA57760)		
	270	--	CONNECTOR ASSEMBLY	PH-ZH_S 3P	PH-ZH_S束線	PSR-S950	(ZA57700)		
	280	--	CONNECTOR ASSEMBLY	NET-LF_S VH4P/XH5P	NET-LF_S束線	PSR-S750	(ZC82020)		
	300	--	SHIELD COVER		シールドカバー	PSR-S750	(ZA32680)		
	300	--	SHIELD COVER		シールドカバー	PSR-S950	(ZA32670)		
	400	**WE98740R**	BIND HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	Bタイト十BIND			9	01
	410	**WE97340R**	BIND HEAD TAPPING SCREW-B	3.0X16 MFZN2W3	Bタイト十BIND			5	01
	420	**WF491001**	BIND HEAD TAPPING SCREW-B	3.0X16 MFZN2W3	Bタイト十BIND			5	01
	430	**WE774301**	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	Bタイト十BIND	PSR-S750		19	01
	430	**WE774301**	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	Bタイト十BIND	PSR-S950		18	01
	440	**WE983600**	BIND HEAD SCREW	3.0X8 MFZN2B3	小ネジ十BIND	PSR-S750		11	01
	440	**WE983600**	BIND HEAD SCREW	3.0X8 MFZN2B3	小ネジ十BIND	PSR-S950		10	01
	450	**WF15410R**	BIND HEAD TAPPING SCREW-B	4.0X16 MFZN2W3	Bタイト十BIND			22	01
	500	**CB81751R**	CLIP, WIRE		束線止め	PSR-S950		3	03
	500	**CB81751R**	CORD CLAMPER		束線止め	PSR-S750		2	03
	510	**CB836200**	CORD CLAMPER		束線止め			5	02
	550	--	SOUND ABSORBENT FELT		吸音材		(ZA69910)	2	
	650	--	CUSHION		クッション		(ZC18610)		
	660	**WN742200**	GASKET	L15	ガスケット	PSR-S950			01
	670	--	AJACK CUSHION		AJACKクッション	PSR-S950	(ZC65880)		
			ACCESSORIES		付属品				
		WQ462900	AC ADAPTOR	PA-300C U	ACアダプター	U			14
		WQ463001	AC ADAPTOR	PA-300C E	ACアダプター	E,I			13
		WQ463101	AC ADAPTOR	PA-300C B	ACアダプター	B			14
		WQ463300	AC ADAPTOR	PA-300C K	ACアダプター	K			10
		WQ463200	AC ADAPTOR	PA-300C CHN	ACアダプター	O			10
		WU691300	AC ADAPTOR	PA-300C BRA	ACアダプター	P			10
		WY019400	MUSIC STAND ASSEMBLY BLACK		譜面立Ass'y				06

*: New Parts

RANK: Japan only

KEYBOARD ASSEMBLY

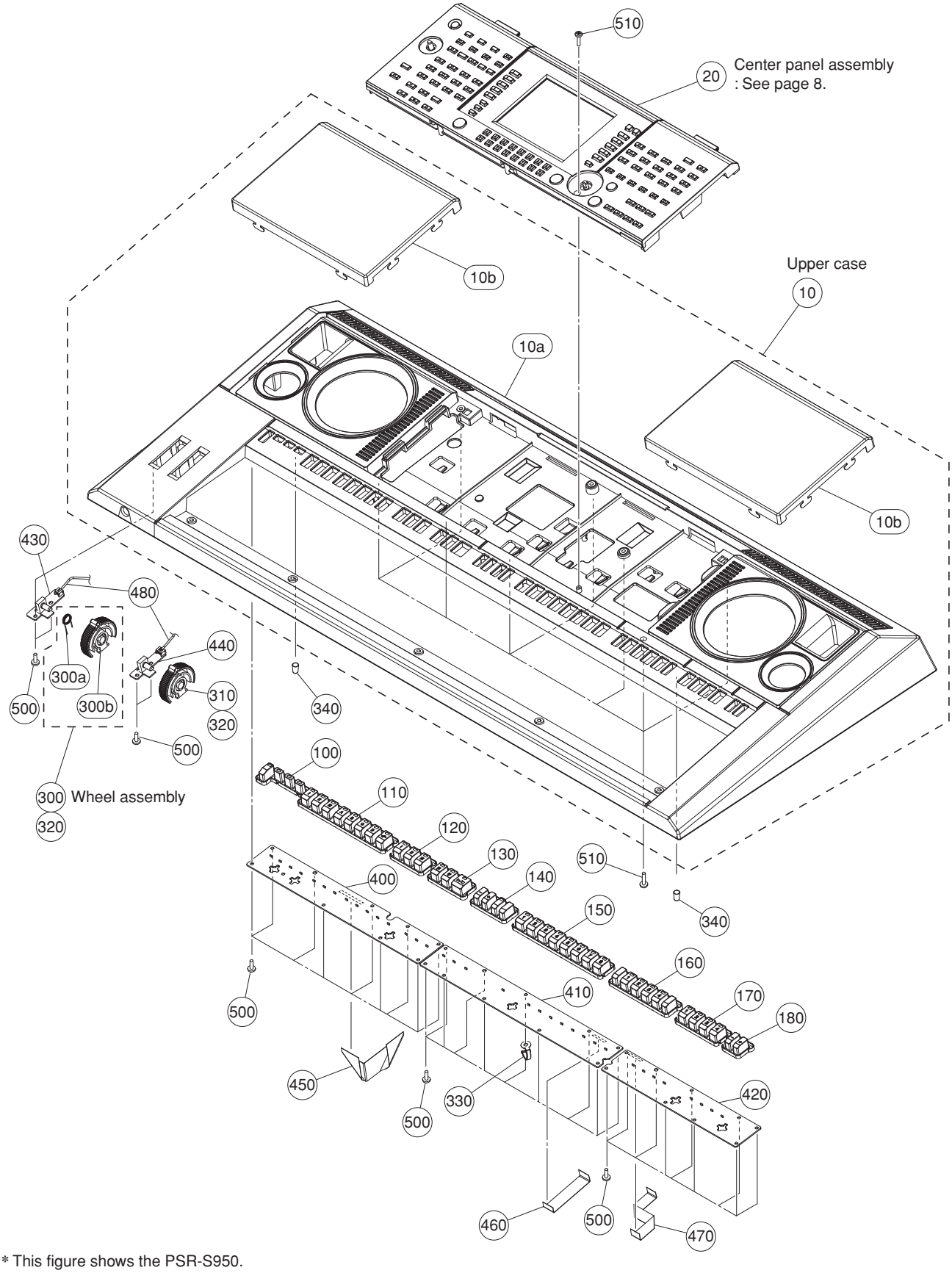


REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
		KEYBOARD ASSEMBLY		16M鍵盤EMKSA	PSR-S750/PSR-S950		
	WB91420R	KEYBOARD ASSEMBLY	16M C61-2M-EBUS	16M鍵盤EMKSA			18
30	**WF266600**	BIND HEAD TAPPING SCREW-P	3.0X8 MFZN2B3	Pタイト十BIND		2	01
50	**--**	FRAME	C61 16M	フレーム	(VS15380)		
50	**VU32860R**	FRAME	C61 16M	フレーム			07
60	**VH180900**	WHITE KEY	16L CEGB	白鍵CEGB		5	03
70	**VH181000**	WHITE KEY	16L DFA	白鍵DFA		5	03
80	**VH181102**	WHITE KEY	16L C'	白鍵C'			01
90	**VH18120R**	BLACK KEY	16L # 2M	黒鍵		5	03
100	**VH181300**	FELT	16L C-61	フェルト			03
110	**VH181400**	RUBBER SHEET	16L C-61	ゴムシート			01
110	**WA52510R**	CUSHION SHEET	16L C-61	クッションシート			01
120	**VU328401**	KEYBOARD RUBBER CONTACT	CT 2M 12KEYS	接点ゴム		5	
130	**VU328501**	KEYBOARD RUBBER CONTACT	C' 2M 1KEY	接点ゴム			
140	**WE973000**	BIND HEAD TAPPING SCREW-P	3.0X16 MFZN2W3	Pタイト十BIND		21	01
140	**WE983200**	BIND HEAD TAPPING SCREW-P	3.0X16 MFZN2B3	Pタイト十BIND		21	01
150	**TX920280**	GREASE PK	G-31KA 50g	グリス	(VE96850)		
160	**--**	CIRCUIT BOARD ASSEMBLY	16M C61 P2M EBUS	鍵盤SWシート	(WB91430)		
	--	CIRCUIT BOARD ASSEMBLY	16M C61 P2M EBUS	鍵盤SWシート	(WB91430)		
S1	**VU648101**	CIRCUIT BOARD	MK-L	MKーLシート			08
S2	**VU648200**	CIRCUIT BOARD	MK-H	MKーHシート			09
S3	**WF310500**	CIRCUIT BOARD	EMKS61A(E-BUS)	EMKS61Aシート			08
S4	**VU95890R**	CABLE	12P L=190	ケーブル			03
S5	**VU65950R**	CABLE	12P	ケーブル			02
S6	**VU65940R**	CABLE	7P	ケーブル			02
S7	**VU65960R**	CABLE	5P	ケーブル			02

✻: New Parts

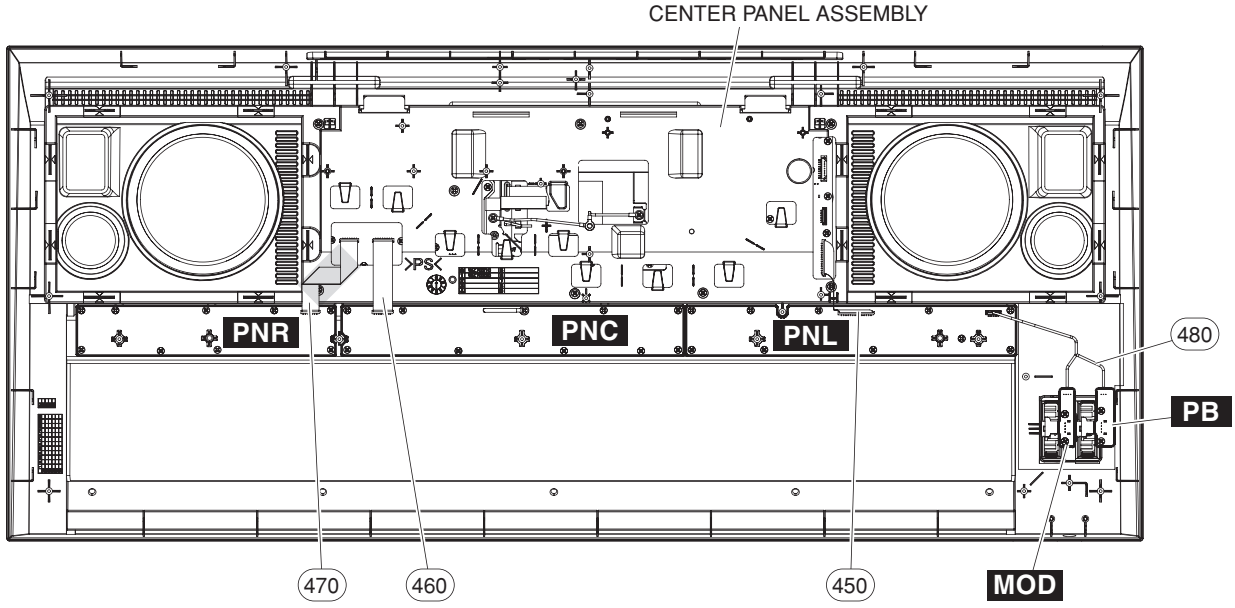
RANK: Japan only

UPPER CASE ASSEMBLY



* This figure shows the PSR-S950.

• Bottom view



	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
			UPPER CASE ASSEMBLY		上ケースAss'y	PSR-S750/PSR-S950		
		--	UPPER CASE ASSEMBLY		上ケースAss'y	PSR-S750 (WZ89820)		
		--	UPPER CASE ASSEMBLY		上ケースAss'y	PSR-S950 (WZ89810)		
*	10	**WZ898500**	UPPER CASE SUB ASSEMBLY		上ケースサブAss'y	PSR-S750		
*	10	**WZ898400**	UPPER CASE SUB ASSEMBLY		上ケースサブAss'y	PSR-S950		
	10a	--	UPPER CASE		上ケース印刷品	PSR-S750 (ZA32500)		
	10a	--	UPPER CASE		上ケース印刷品	PSR-S950 (ZA32490)		
*	10b	**ZA325300**	SP GRILLE		SPグリル塗装品		2	
	20	--	CENTER PANEL ASSEMBLY		Cパネル Ass'y	PSR-S750 (WZ89900)		
	20	--	CENTER PANEL ASSEMBLY		Cパネル Ass'y	PSR-S950 (WZ89890)		
*	100	**ZC188200**	SWITCH ASSEMBLY A	X4	スイッチAss'y A	ACMP, FADE IN/OUT, OTS LINK, AUTO FILL IN		
*	110	**WZ962000**	SWITCH ASSEMBLY B	X8	スイッチAss'y B	INTRO, MAIN VARIATION, BREAK		
*	120	**WZ962100**	SWITCH ASSEMBLY C	X3	スイッチAss'y C	ENDING/rit.		
*	130	**WZ962200**	SWITCH ASSEMBLY D	X3	スイッチAss'y D	SYNC STOP, SYNC START, START/STOP		
*	140	**WZ962300**	SWITCH ASSEMBLY E	X4	スイッチAss'y E	REGIST BANK (-,+), FREEZE, MEMORY		
*	150	**WZ962400**	SWITCH ASSEMBLY F	X8	スイッチAss'y F	REGISTRATION MEMORY (1-8)		
*	160	**WZ962500**	SWITCH ASSEMBLY G	X6	スイッチAss'y G	MULTI PAD CONTROL (SELECT, 1-4, STOP)		
*	170	**WZ962600**	SWITCH ASSEMBLY H	X4	スイッチAss'y H	ONE TOUCH SETTING (1-4)		
*	180	**WZ960300**	PN SWITCH I	X2	PNスイッチ I	UPPER OCTAVE (-,+)		
	300	**VY79310R**	WHEEL ASSEMBLY		ホイール Ass'y			04
	300a	**VY75080R**	WHEEL		ホイール			03
	300a	**VY750810**	WHEEL		ホイール			01
	300b	**VT44010R**	SPRING		ホイールバネ			03
	310	**VY75080R**	WHEEL		ホイール			03
	320	**TX920280**	GREASE PK	G-31KA 50g	グリス	(VE96850)		
	330	**CB836200**	CORD CLAMPER		束線止め			02
	340	--	NONWOVEN FABRIC CLOTH		不織布	(WD76610)	2	
*	400	**WZ561000**	CIRCUIT BOARD	PNL	PNLシート			
*	410	**WZ560900**	CIRCUIT BOARD	PNC	PNCシート			
*	420	**WZ560300**	CIRCUIT BOARD	PNR	PNRシート			
*	430	**WZ559500**	CIRCUIT BOARD	PB	PBシート	PSR-S750		
*	430	**WZ559300**	CIRCUIT BOARD	PB	PBシート	PSR-S950		
*	440	**WZ559600**	CIRCUIT BOARD	MOD	MODシート	PSR-S750		
*	440	**WZ559400**	CIRCUIT BOARD	MOD	MODシート	PSR-S950		
	450	--	WIRING ASSEMBLY	FFC_S 29P-130 (ML)	FFC_S束線	(ZA58150)		
	460	--	WIRING ASSEMBLY	FFC_S 16P-90 (ML)	FFC_S束線	(ZA58160)		
	470	--	WIRING ASSEMBLY	FFC_S 14P-115 (ML)	FFC_S束線	(ZE58980)		
	480	--	CONNECTOR ASSEMBLY	PBMOD_S 4P/3P	PBMOD_S束線	(ZA57890)		
	500	**WE774301**	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	Bタイト＋BIND		33	01
	510	**WE98740R**	BIND HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	Bタイト＋BIND		9	01

*: New Parts

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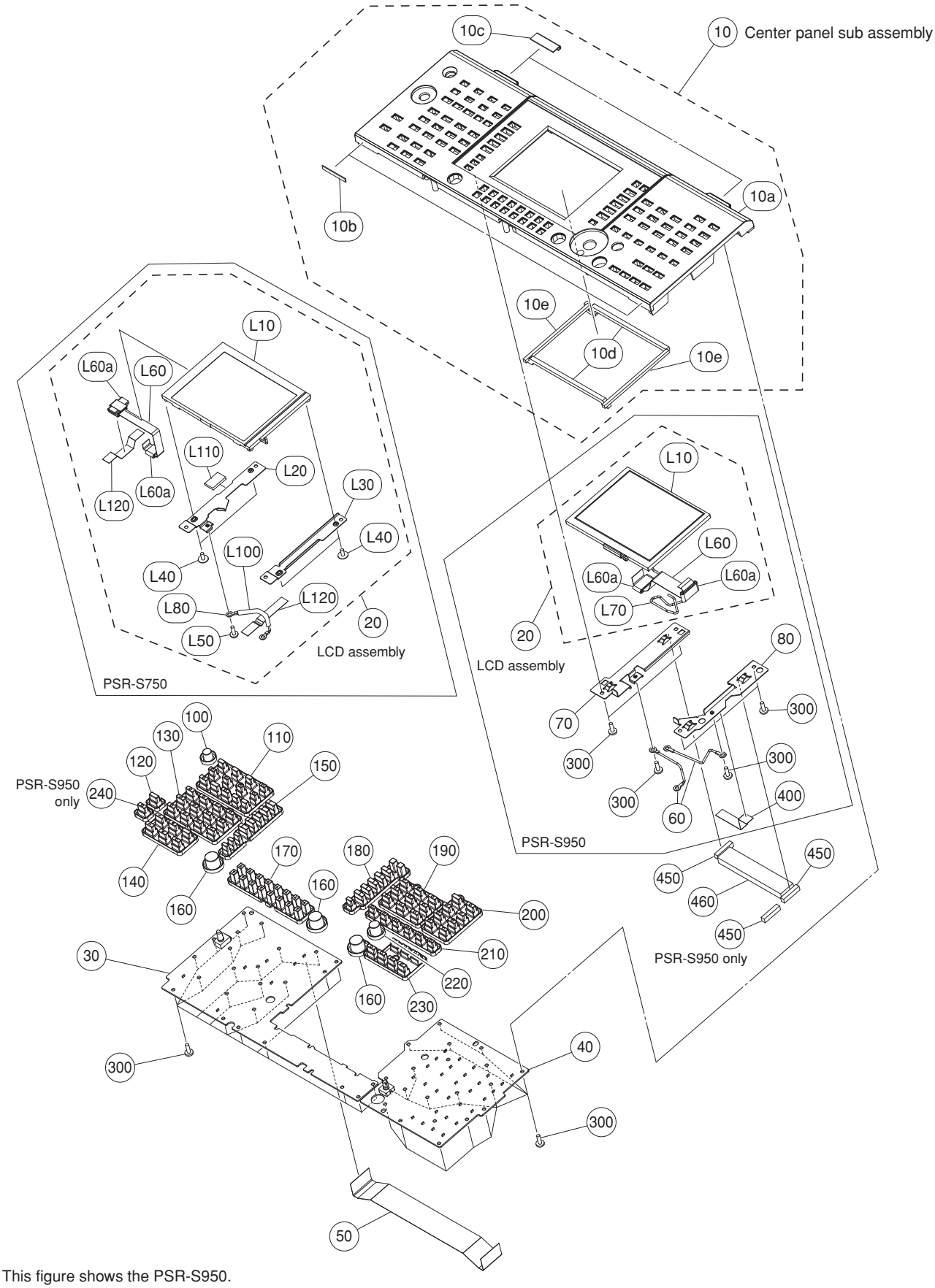
CENTER PANEL ASSEMBLY



* This figure shows the PSR-S950.

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
			CENTER PANEL ASSEMBLY		Cパネル Ass'y	PSR-S750/PSR-S950		
		--	CENTER PANEL ASSEMBLY		Cパネル Ass'y	PSR-S750 (WZ89900)		
		--	CENTER PANEL ASSEMBLY		Cパネル Ass'y	PSR-S950 (WZ89890)		
*	10	**WZ899200**	CENTER PANEL SUB ASSEMBLY		Cパネルサブ Ass'y	PSR-S750		
*	10	**WZ899100**	CENTER PANEL SUB ASSEMBLY		Cパネルサブ Ass'y	PSR-S950		
	10a	--	CENTER PANEL		C パネル印刷品	PSR-S750 (ZA32560)		
	10a	--	CENTER PANEL		C パネル印刷品	PSR-S950 (ZA32550)		
	10b	--	CUSHION PE	36X5X1	クッション PE	(ZA69850)	2	
	10c	--	CUSHION PE	36X17X1	クッション PE	(ZC18530)	2	
	10d	--	DUST PROOF CUSHION		防塵フォーム	(ZA69930)	2	
	10e	--	LCD CUSHION		LCD クッション	(ZA69940)	2	
	20	--	LCD ASSEMBLY		LCD Ass'y	PSR-S750 (WZ90990)		
	20	--	LCD ASSEMBLY		LCD Ass'y	PSR-S950 (WZ90980)		
*	30	**WZ560800**	CIRCUIT BOARD	PNM	P N M シート	PSR-S750		
*	30	**WZ560100**	CIRCUIT BOARD	PNM	P N M シート	PSR-S950		
*	40	**WZ560700**	CIRCUIT BOARD	PNS	P N S シート	PSR-S750		
*	40	**WZ560200**	CIRCUIT BOARD	PNS	P N S シート	PSR-S950		
	50	--	WIRING ASSEMBLY	FFC_S 29P-230 (ML)	FFC__S 束線	(ZA58140)		
	60	**WJ013600**	GND WIRE 4	L=120mm	アース線 4	PSR-S950	2	
	70	--	LCD FIXTURE L	LEFT	LCD 固定金具 L	PSR-S950 (ZA32590)		
	80	--	LCD FIXTURE R	RIGHT	LCD 固定金具 R	PSR-S950 (ZA32600)		
*	100	**WZ960400**	PN SWITCH J	X1	P N スイッチ J	STANDBY/ON		
*	110	**ZC205500**	SWITCH ASSEMBLY K	X13	スイッチ Ass'y K	SONG (SELECT-►►)		
*	120	**WZ960600**	PN SWITCH L	X1	P N スイッチ L	DEMO		
*	130	**ZC205600**	SWITCH ASSEMBLY M	X12	スイッチ Ass'y M	STYLE (POP&ROCK-EXPANSION/USER)		
*	140	**ZC205700**	SWITCH ASSEMBLY N	X6	スイッチ Ass'y N	TEMPO (-,+), TAP TEMPO, TRANSPOSE, METRONOME		
*	150	**WZ960900**	PN SWITCH O	X8	P N スイッチ O	A-E, BALANCE, MIXING CONSOLE, CHANNEL ON/OFF		
*	160	**WZ961000**	PN SWITCH P	X1	P N スイッチ P	EXIT, ENTER, DIRECT ACCESS	3	
*	170	**WZ961100**	PN SWITCH Q	X16	P N スイッチ Q	1-8 (▲/▼)		
*	180	**WZ961200**	PN SWITCH R	X8	P N スイッチ R	TAB◄►, F-J, FUNCTION		
*	190	**ZC205800**	SWITCH ASSEMBLY S	X9	スイッチ Ass'y S	VOICE (PIANO-BRASS)		
*	200	**ZC205900**	SWITCH ASSEMBLY T	X8	スイッチ Ass'y T	USB AUDIO PLAYER, USB, VICE (ACCORDION & HARMONICA -EXPANSION/USER)		
*	210	**ZC206000**	SWITCH ASSEMBLY U	X6	スイッチ Ass'y U	VOICE CONTROL (HARMONY/ECO-VARI.)		
*	220	**WZ961600**	PN SWITCH V	X1	P N スイッチ V	MUSIC FINDER		
*	230	**ZC206100**	SWITCH ASSEMBLY W	X7	スイッチ Ass'y W	PART SELECT, PART ON/OFF (LEFT HOLD, LEFT, RIGHT1&2)		
*	240	**ZC206200**	SWITCH ASSEMBLY X	X1	スイッチ Ass'y X	PSR-S950 MIC SETTING/ VOCAL HARMONY		
	300	**WE774301**	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タイト十 BIND	PSR-S750	50	01
	300	**WE774301**	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タイト十 BIND	PSR-S950	52	01
	400	**VN195401**	ADHESIVE TAPE	12X70	粘着テープ	PSR-S950		03
	450	--	LCD CUSHION		LCD クッション	PSR-S750 (ZC18590)	2	
	450	--	LCD CUSHION		LCD クッション	PSR-S950 (ZC18590)	3	
	460	--	CUSHION		クッション	(ZE58070)		
		--	LCD ASSEMBLY		LCD Ass'y	PSR-S750 (WZ90990)		
	L10	**WR339600**	CRYSTAL DISPLAY	KG057QVLFF-G00	液晶ディスプレイ			45
	L20	--	LCD FIXTURE L	LEFT	LCD 固定金具 L	(ZA32610)		
	L30	--	LCD FIXTURE R	RIGHT	LCD 固定金具 R	(ZA32620)		
	L40	**WG959600**	PW HEAD TAPPING SCREW-B	3.0X6-8 MFZN2W3	B タイト十 PWH		4	01
	L50	**WE774301**	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タイト十 BIND			01
	L60	--	WIRING ASSEMBLY	FFC_S_LF 20P 150mm P=0.5	FFC_S_LF 束線	(ZA58130)		
	L60a	**WA864900**	FERRITE CORE	FSRC170120RT000T	フェライトコア		2	
	L80	**WJ013600**	GND WIRE 4	L=120mm	アース線 4			
	L100	--	SPONGE		防振スポンジ	(ZC18580)		
	L110	--	CUSHION PE	20X20X2	クッション PE	(ZC18620)		
	L120	**VN195401**	ADHESIVE TAPE	12X70m	粘着テープ		2	03
		--	LCD ASSEMBLY		LCD Ass'y	PSR-S950 (WZ90980)		
*	L10	**WZ590800**	CRYSTAL DISPLAY	COM57T5M52GSC	液晶ディスプレイ			
	L60	--	WIRING ASSEMBLY	FFC_S_LF 33P 145mm P=0.5	FFC_S_LF 束線	(ZA58120)		
	L60a	**WA864800**	FERRITE CORE	FSRC250120RT000T	フェライトコア		2	
	L70	--	CONNECTOR ASSEMBLY	LCD-BL_S ZH 4P	LCD ー BL_S 束線	(ZA57880)		

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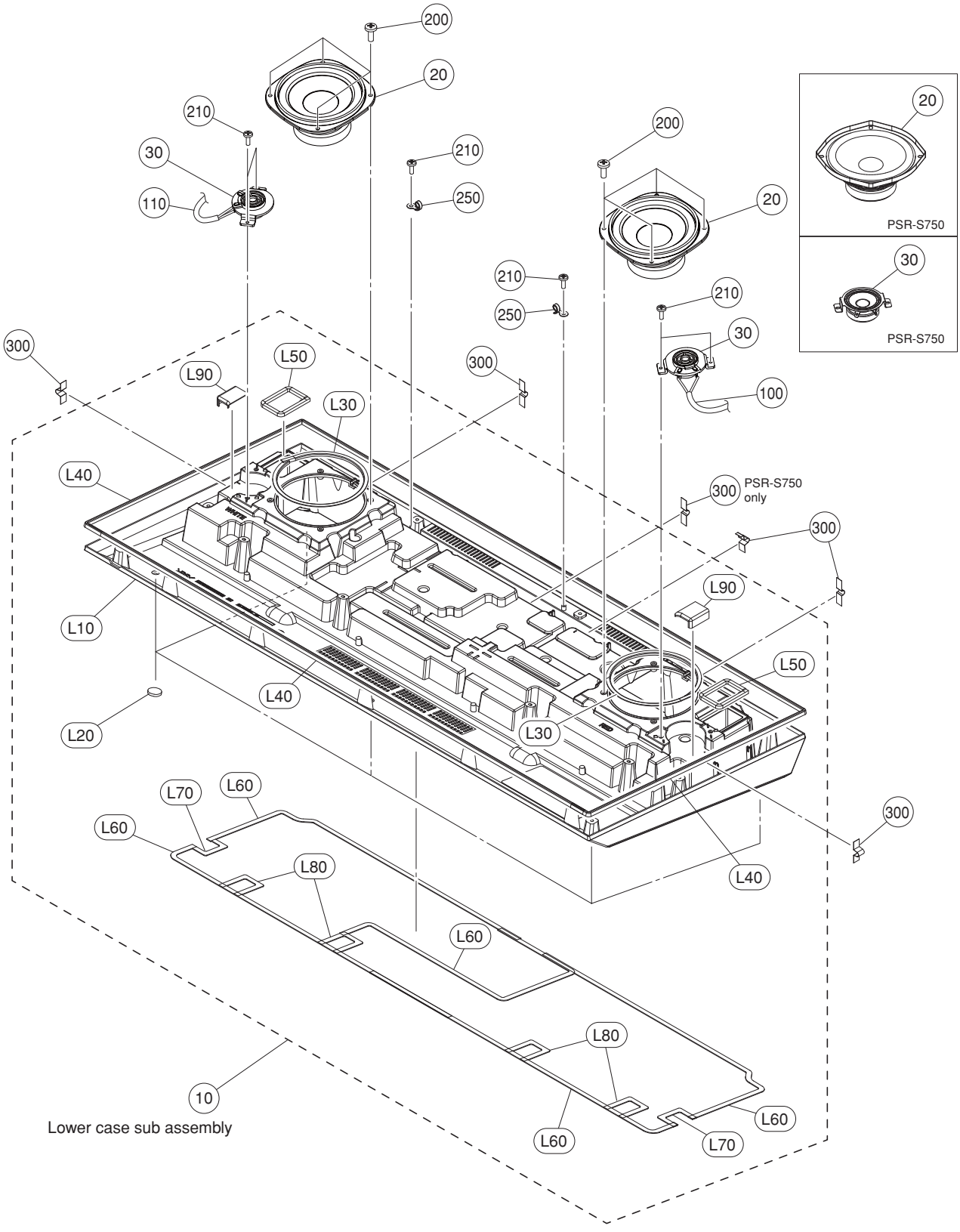
LOWER CASE ASSEMBLY



* This figure shows the PSR-S950.

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
			LOWER CASE ASSEMBLY		下ケースAss'y	PSR-S750/PSR-S950		
		--	LOWER CASE ASSEMBLY		下ケースAss'y	PSR-S750 (WZ89870)		
		--	LOWER CASE ASSEMBLY		下ケースAss'y	PSR-S950 (WZ89860)		
*	10	**WZ899400**	LOWER CASE SUB ASSEMBLY		下ケースサブAss'y			
*	20	**YE178A00**	SPEAKER	13.0cm 4ohm 20W	スピーカ	PSR-S750 WOOFER	2	
*	20	**YE177A00**	SPEAKER	13.0cm 4ohm 35W	スピーカ	PSR-S950 WOOFER	2	
	30	**YD681A00**	SPEAKER	5.0cm 6ohm 10W	スピーカ	PSR-S750 TWEETER	2	03
*	30	**YE179A00**	SPEAKER	2.5cm 4ohm 20W	スピーカ	PSR-S950 TWEETER	2	
	100	--	CONNECTOR ASSEMBLY	SPR_S XH 4P	SPR__S束線	PSR-S750 (ZA58090)		
	100	--	CONNECTOR ASSEMBLY	SPR_S XH 4P	SPR__S束線	PSR-S950 (ZA58080)		
	110	--	CONNECTOR ASSEMBLY	SPL_S XH 6P	SPL__S束線	PSR-S750 (ZA58100)		
	110	--	CONNECTOR ASSEMBLY	SPL_S XH 5P	SPL__S束線	PSR-S950 (ZA58110)		
	200	**WE97450R**	BIND HEAD TAPPING SCREW-B	4.0X10 MFZN2W3	Bタイト十BIND		8	01
	210	**WE774301**	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	Bタイト十BIND		6	01
	250	**CB836200**	CORD CLAMPER		束線止め		2	02
	300	**VA126101**	FILAMENT TAPE	12X50	粘着テープ		5	01
*		**WZ899400**	LOWER CASE SUB ASSEMBLY		下ケースサブAss'y			
	L10	--	LOWER CASE		下ケース成形品	(WZ70280)		
	L20	**CB043753**	RUBBER FOOT BLACK	T1.6	ゴム脚		5	05
	L30	--	CUSHION PE	420X8X1	クッションPE	(ZA69860)	2	
	L40	--	CUSHION PE	975X13X1	クッションPE	(ZA69870)	3	
	L50	--	CUSHION	205X5X5	クッション	(WJ04390)	2	
	L60	--	CUSHION PE	590X8X1	クッションPE	(ZA69880)	5	
	L70	--	CUSHION PE		クッションPE	(ZA69890)	2	
	L80	--	CUSHION PE		クッションPE	(ZA69900)	4	
	L90	--	CUSHION PE	40X40X1	クッションPE	(ZE58100)	2	

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■ ELECTRICAL PARTS (PSR-S750)

AJACK/HP/MOD/PB

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
			ELECTRICAL PARTS		電気部品	PSR-S750		
*		**WZ435600**	CIRCUIT BOARD	AJACK	AJACKシート	(WZ43520)(YD887B0)		
*		**WZ435400**	CIRCUIT BOARD	HP	HPシート	(WZ43520)(YD887B0)		
*		**WZ559600**	CIRCUIT BOARD	MOD	MODシート	(WZ43520)(YD887B0)		
*		**WZ559500**	CIRCUIT BOARD	PB	PBシート	(WZ43520)(YD887B0)		
*		**WZ353700**	CIRCUIT BOARD	DM	DMシート	(YD855C0)		
		WF310500	CIRCUIT BOARD	EMKS61A(E-BUS)	EMKS61Aシート	(WF31010)(X6637C0)		08
		VU648200	CIRCUIT BOARD	MK-H	MK-Hシート	(VU64800)(XR565C0)		09
		VU648101	CIRCUIT BOARD	MK-L	MK-Lシート	(VU64790)(XR564C0)		08
*		**WZ560900**	CIRCUIT BOARD	PNC	PNCシート	(WZ55980)(YD938C0)		
*		**WZ561000**	CIRCUIT BOARD	PNL	PNLシート	(WZ55980)(YD938C0)		
*		**WZ560300**	CIRCUIT BOARD	PNR	PNRシート	(WZ55980)(YD938C0)		
*		**WZ560800**	CIRCUIT BOARD	PNM	PNMシート	(WZ55970)(YD937C0)		
*		**WZ560700**	CIRCUIT BOARD	PNS	PNSシート	(WZ55970)(YD937C0)		
*		**WZ435600**	CIRCUIT BOARD	AJACK	AJACKシート	(WZ43520)(YD887B0)		
*		**WZ435400**	CIRCUIT BOARD	HP	HPシート	(WZ43520)(YD887B0)		
*		**WZ559600**	CIRCUIT BOARD	MOD	MODシート	(WZ43520)(YD887B0)		
*		**WZ559500**	CIRCUIT BOARD	PB	PBシート	(WZ43520)(YD887B0)		
		--	DC JACK PLATE		DCジャック金具	(ZA59790)		
		WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	Bタイト＋BIND		2	01
	CN1	**VB390200**	CONNECTOR	PH 6P TE	ベースポスト			01
	CN2	**VB39070R**	CONNECTOR	PH 11P TE	ベースポスト			01
	CN4	**VL845000**	CONNECTOR	XH 6P TE	ベースツキポスト			01
	CN6	**VL844900**	CONNECTOR	XH 5P TE	ベースツキポスト			01
	CN7	**VL845000**	CONNECTOR	XH 6P TE	ベースツキポスト			01
	CN8	**VL844800**	CONNECTOR	XH 4P TE	ベースツキポスト			01
	CN9	**VB39040R**	CONNECTOR	PH 8P TE	ベースポスト			01
	CN10	**VB39010R**	CONNECTOR	PH 5P TE	ベースポスト			01
	CN200	**VB858400**	CONNECTOR	PH 5P SE	ベースポスト			01
	CN300	**VB858200**	CONNECTOR	PH 3P SE	ベースポスト			01
	CN301	**VB858300**	CONNECTOR	PH 4P SE	ベースポスト			01
⚠	D1	**V9917100**	DIODE	S3V60-5004P15 FOR.	ダイオード			01
	FT1	**ZA675500**	FET	TJ20A10M3	FET			
	IC1	**XJ602A0R**	IC	NJM78M12FA	IC	REGULATOR 12V 0.5A		02
	JK1	**V7509100**	CONNECTOR	DJ-0735D_029	電源コネクタ	DC IN 16V		02
	JK3	**VS11540R**	PHONE JACK BLACK	LGR4609-7100F	ホーンコネクタ（黒）	FOOT PEDAL1		01
	JK4	**VS11540R**	PHONE JACK BLACK	LGR4609-7100F	ホーンコネクタ（黒）	FOOT PEDAL2		01
	JK5	**VB23040R**	PHONE JACK	YKB21-5352N	ホーンコネクタ	AUX IN		03
	JK5	**ZA590000**	PHONE JACK	MINI STEREO	ホーンコネクタ			
	JK7	**VS11540R**	PHONE JACK BLACK	LGR4609-7100F	ホーンコネクタ（黒）	OUTPUT L/L+R		01
	JK8	**VS11540R**	PHONE JACK BLACK	LGR4609-7100F	ホーンコネクタ（黒）	OUTPUT R		01
	JK200	**WJ306200**	PHONE JACK	MSJ-064-15A B AG	ホーンコネクタ	PHONES		01
*	L3	**ZC240800**	INDUCTOR	UF1815SG-800Y3R0-0	ラインフィルター			
	RY1	**V824560R**	RELAY	DC ATX203 12V	リレー			04
	RY1	**V8616500**	RELAY	DC G6S-2 12V	リレー 12V			04
	RY1	**WB17080R**	RELAY	DC NA-12W-K 12V	リレー 12V			04
	RY1	**WB751900**	RELAY	DC EC2-12NU-F 12V	リレー 12V			03
⚠	TH1	**VV45800R**	PROTECTOR SWITCH	RUEF250 2.50A 30V	ポリスイッチ			03
*	VR300	**WZ510000**	VR ROTARY	B 10.0K RK11K1110D	ロータリーVR	PITCH BEND		
*	VR301	**WZ510000**	VR ROTARY	B 10.0K RK11K1110D	ロータリーVR	MODULATION		
	C2	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C3	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C8	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C15	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C17	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C21	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C25	**UR749680**	ELECTROLYTIC CAPACITOR	6800 25.0V FORM.	ケミコン			03
	C27	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C29	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C31	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C32	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C34	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C43	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C46	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C55	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C56	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C59	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C68	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ（SL）			01
	C69	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ（SL）			01

*: New Parts

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AJACK/HP/MOD/PB

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
C70	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
C71	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ（SL）			01
C72	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
C73	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ（SL）			01
C74	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
C75	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
C83	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
C84	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
C85	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ（SL）			01
C86	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
C87	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
C92	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ（SL）			01
C97	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C98	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C99	**US064100**	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チップセラ（B）			01
C100	**US064100**	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チップセラ（B）			01
C101	**US06322R**	CERAMIC CAPACITOR (CHIP)	2200P 50V K RECT.	チップセラ（B）			01
C102	**US06322R**	CERAMIC CAPACITOR (CHIP)	2200P 50V K RECT.	チップセラ（B）			01
C104	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C105	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C106	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
C107	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C108	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C110	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
C111	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C112	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C123	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C134	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
-136	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C200	**US06322R**	CERAMIC CAPACITOR (CHIP)	2200P 50V K RECT.	チップセラ（B）			01
C201	**US06322R**	CERAMIC CAPACITOR (CHIP)	2200P 50V K RECT.	チップセラ（B）			01
C202	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
IC4	**X5482A00**	IC	NE5532DR	IC	OP AMP		01
-6	**X5482A00**	IC	NE5532DR	IC	OP AMP		01
IC7	**X5049A0R**	IC	NJM4556AM-TE1	IC	OP AMP		02
L4	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
L5	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
R1	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R4	**RD35627R**	CARBON RESISTOR (CHIP)	2.7K 63M J RECT.	チップ抵抗			01
R8	**RD357220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R9	**RD356560**	CARBON RESISTOR (CHIP)	5.6K 63M J RECT.	チップ抵抗			01
R10	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R20	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R22	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
R23	**RD357220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R24	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
R25	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
R27	**RD358100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
R28	**RD357220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R29	**RD156390**	CARBON RESISTOR (CHIP)	3.9K 1/4 J TP	チップ抵抗			
R34	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R35	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R44	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R45	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R46	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R47	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R48	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R49	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R51	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R53	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R57	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R58	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R60	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
-65	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R66	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R67	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R68	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R69	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R72	**RD358100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
R73	**RD355221**	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チップ抵抗			01

✻: New Parts

RANK: Japan only

AJACK/HP/MOD/PB

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
R74	**RD355221**	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チップ抵抗			01
R75	**RD358100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
R76	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R77	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R78	**RD355560**	CARBON RESISTOR (CHIP)	560.0 63M J RECT.	チップ抵抗			01
R79	**RD355560**	CARBON RESISTOR (CHIP)	560.0 63M J RECT.	チップ抵抗			01
R80	**RD356390**	CARBON RESISTOR (CHIP)	3.9K 63M J RECT.	チップ抵抗			01
R81	**RD356390**	CARBON RESISTOR (CHIP)	3.9K 63M J RECT.	チップ抵抗			01
R82	**RD355221**	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チップ抵抗			01
R83	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R84	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R85	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
-87	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R88	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
R89	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
R91	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R92	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R96	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R97	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R99	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R101	**RD358100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
TR1	**VV556400**	TRANSISTOR	2SC2412K Q,R,S TP	トランジスタ			01
TR2	**VV556400**	TRANSISTOR	2SC2412K Q,R,S TP	トランジスタ			01
TR4	**VV556400**	TRANSISTOR	2SC2412K Q,R,S TP	トランジスタ			01
TR7	**VV556500**	TRANSISTOR	2SA1037AK Q,R,S TP	トランジスタ 2SA			01
TR8	**VD303700**	TRANSISTOR	2SC3326 A,B(TE85R)	トランジスタ 2SC			01
TR9	**VD303700**	TRANSISTOR	2SC3326 A,B(TE85R)	トランジスタ 2SC			01
C18	**UR838100**	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケミコン			01
C33	**UR837470**	ELECTROLYTIC CAPACITOR	47.00 16.0V RX TP	ケミコン			01
C44	**UR838100**	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケミコン			01
C47	**UR838100**	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケミコン			01
C52	**VQ755900**	ELECTROLYTIC CAPACITOR BP	3.30 50.0V TATEJI	BPケミコン			01
C53	**VQ755900**	ELECTROLYTIC CAPACITOR BP	3.30 50.0V TATEJI	BPケミコン			01
C54	**UR838100**	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケミコン			01
C60	**UR867100**	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケミコン			01
-63	**UR867100**	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケミコン			01
C66	**UR867100**	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケミコン			01
C67	**UR867100**	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケミコン			01
C82	**UR837470**	ELECTROLYTIC CAPACITOR	47.00 16.0V RX TP	ケミコン			01
C88	**UN867100**	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	BPケミコン			01
C89	**UN867100**	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	BPケミコン			01
C93	**UN848220**	ELECTROLYTIC CAPACITOR BP	220.00 25.0V RX TP	BPケミコン			01
C94	**UN848220**	ELECTROLYTIC CAPACITOR BP	220.00 25.0V RX TP	BPケミコン			01
C95	**UN867100**	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	BPケミコン			01
C96	**UN867100**	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	BPケミコン			01
L8	**GE300670**	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ			02
L9	**GE300670**	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ			02
L21	**GE300670**	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ			02
-24	**GE300670**	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ			02
L27	**GE300670**	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ			02
L28	**GE300670**	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ			02
L200	**GE300670**	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ			02
L201	**GE300670**	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ			02
D2	**VD631600**	DIODE	1SS133,176,HSS104	ダイオード			01
-4	**VD631600**	DIODE	1SS133,176,HSS104	ダイオード			01
D7	**VD631600**	DIODE	1SS133,176,HSS104	ダイオード			01
-15	**VD631600**	DIODE	1SS133,176,HSS104	ダイオード			01
J101	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
J102	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
L15	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
-20	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
L29	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
L30	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
R90	**HF45433R**	CARBON RESISTOR	33.0 1/4 J AX TP	カーボン抵抗			01
R93	**HF45433R**	CARBON RESISTOR	33.0 1/4 J AX TP	カーボン抵抗			01
R94	**HF454220**	CARBON RESISTOR	22.0 1/4 J AX TP	カーボン抵抗			01
R95	**HF454220**	CARBON RESISTOR	22.0 1/4 J AX TP	カーボン抵抗			01
R200	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
R201	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		

✻: New Parts

RANK: Japan only

DM

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
*		**WZ353700**	CIRCUIT BOARD	DM	DMシート	(YD855C0)		
	CN307	**WK450700**	CONNECTOR	USB YKF45-0033N 4P SE	USBコネクタ	TO DEVICE		01
	CN307	**WH382500**	CONNECTOR	USB UAR27-4K2J00	USBコネクタ			01
	CN308	**V6802600**	CONNECTOR	USB 4P SE	USBジャック	TO HOST		02
	CN500	**VL845000**	CONNECTOR	XH 6P TE	ベーススツキポスト			01
	CN504	**LB93204R**	CONNECTOR	VH 4P TE	ベースポスト			01
	JK300	**VJ10720R**	DIN CONNECTOR	5P YKF51-5050N	DINコネクタ	MIDI IN		01
	JK300	**VZ085800**	DIN CONNECTOR	5P HDC-052SP-01	DINコネクタ			01
	JK301	**VJ10720R**	DIN CONNECTOR	5P YKF51-5050N	DINコネクタ	MIDI OUT		01
	JK301	**VZ085800**	DIN CONNECTOR	5P HDC-052SP-01	DINコネクタ			01
	C1	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C3	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C4	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	-49	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C52	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C54	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C58	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C59	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	-74	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C78	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	-93	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C94	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C95	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C98	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	-107	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C109	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	-112	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C114	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C120	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C121	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C123	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	-126	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C128	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	-131	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C133	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	-136	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C137	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（ＣＨ）			
	C172	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C173	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C174	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C300	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C301	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	-305	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C309	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C310	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C315	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C316	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C329	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C330	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C347	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C349	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C355	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
	C500	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
	C532	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	-536	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C538	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
	C540	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
	C553	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
	C572	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（ＣＨ）			
	C578	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（ＣＨ）			
	C586	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
	C587	**US662470**	CERAMIC CAPACITOR (CHIP)	470P 50V K RECT.	チップセラ（Ｂ）			01
	C588	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
	C589	**US662470**	CERAMIC CAPACITOR (CHIP)	470P 50V K RECT.	チップセラ（Ｂ）			01
	C597	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
	C598	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
	C606	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	-622	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
	C624	**US663150**	CERAMIC CAPACITOR (CHIP)	1500P 50V K RECT.	チップセラ（Ｂ）			
	C625	**US663150**	CERAMIC CAPACITOR (CHIP)	1500P 50V K RECT.	チップセラ（Ｂ）			

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RANK: Japan only

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	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	C626	**US662390**	CERAMIC CAPACITOR (CHIP)	390P 50V K RECT.	チップセラ（B）			
	-629	**US662390**	CERAMIC CAPACITOR (CHIP)	390P 50V K RECT.	チップセラ（B）			
	C630	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
	C631	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
	C634	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	IC11	**X4943D00**	IC	W9825G6JH-6	IC	SDRAM 256M		
	IC12	**X4943D00**	IC	W9825G6JH-6	IC	SDRAM 256M		
*	IC21	**YE205C00**	IC	MX29GL128ELT2I-90G	IC	FLASH ROM 128M BACKUP		
*	IC22	**YE204E00**	IC	S29GL256P90TFCR20	IC	FLASH ROM 256M PROGRAM		
*	IC22	**YF029C00**	IC	S29GL256S90TF1020	IC			
	IC301	**XZ414F00**	IC	W9864G6JH-6	IC	SDRAM 64M		03
	IC504	**YC777A00**	IC	BA4560RFV	IC	OP AMP		01
	IC507	**YC777A00**	IC	BA4560RFV	IC	OP AMP		01
	L300	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ			01
	L503	**ZC805200**	EMI FILTER	NFE31PT222Z1E9L	エミフィルチップ			01
	R1	**RD454220**	CARBON RESISTOR (CHIP)	22.0 63M J RECT.	チップ抵抗			01
	R2	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R6	**RD454100**	CARBON RESISTOR (CHIP)	10.0 63M J RECT.	チップ抵抗			01
	R7	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	-9	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R11	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	-13	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R15	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	-17	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R19	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R20	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R29	**RD456100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
	R32	**RD45615R**	CARBON RESISTOR (CHIP)	1.5K 63M J RECT.	チップ抵抗			01
	R39	**RD45615R**	CARBON RESISTOR (CHIP)	1.5K 63M J RECT.	チップ抵抗			01
	R45	**RD454220**	CARBON RESISTOR (CHIP)	22.0 63M J RECT.	チップ抵抗			01
	R46	**RD454220**	CARBON RESISTOR (CHIP)	22.0 63M J RECT.	チップ抵抗			01
	R49	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R59	**RD454100**	CARBON RESISTOR (CHIP)	10.0 63M J RECT.	チップ抵抗			01
	R60	**RD454100**	CARBON RESISTOR (CHIP)	10.0 63M J RECT.	チップ抵抗			01
	R62	**RD457220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
	R67	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R79	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R113	**RD454220**	CARBON RESISTOR (CHIP)	22.0 63M J RECT.	チップ抵抗			01
	R115	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R116	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R126	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R301	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R330	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R340	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R341	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
	R342	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
	R343	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R344	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R357	**RD457220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
	-359	**RD457220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
	R371	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	-373	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R375	**RD457220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
	R376	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R378	**RD457220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
	R379	**RD457220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
	R382	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R429	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R436	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	-438	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R452	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	-454	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R459	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R460	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R523	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R524	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R534	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R535	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R537	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R538	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01

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	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	R539	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R543	**RD457150**	CARBON RESISTOR (CHIP)	15.0K 63M J RECT.	チップ抵抗			01
	R548	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R549	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R552	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R553	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R554	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
	R555	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
	R559	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R560	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R562	**RD458220**	CARBON RESISTOR (CHIP)	220.0K 63M J RECT.	チップ抵抗			01
	R563	**RD458220**	CARBON RESISTOR (CHIP)	220.0K 63M J RECT.	チップ抵抗			01
*	R572	**RA156270**	METAL FILM RESISTOR (CHIP)	2.7K 63M D RECT.	チップ金被抵抗			
*	-575	**RA156270**	METAL FILM RESISTOR (CHIP)	2.7K 63M D RECT.	チップ金被抵抗			
*	R576	**RA156820**	METAL FILM RESISTOR (CHIP)	8.2K 63M D RECT.	チップ金被抵抗			
	R577	**RA156180**	METAL FILM RESISTOR (CHIP)	1.8K 63M D RECT.	チップ金被抵抗			01
	R578	**RA156180**	METAL FILM RESISTOR (CHIP)	1.8K 63M D RECT.	チップ金被抵抗			01
*	R579	**RA156820**	METAL FILM RESISTOR (CHIP)	8.2K 63M D RECT.	チップ金被抵抗			
	R580	**RA156180**	METAL FILM RESISTOR (CHIP)	1.8K 63M D RECT.	チップ金被抵抗			01
	R581	**RA156180**	METAL FILM RESISTOR (CHIP)	1.8K 63M D RECT.	チップ金被抵抗			01
*	R582	**RA156820**	METAL FILM RESISTOR (CHIP)	8.2K 63M D RECT.	チップ金被抵抗			
*	R583	**RA156820**	METAL FILM RESISTOR (CHIP)	8.2K 63M D RECT.	チップ金被抵抗			
	R586	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	-590	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	RA9	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
	-14	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
	RA16	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
	RA18	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
	RA19	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA20	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA21	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
	RA22	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
	RA23	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA24	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA25	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
	RA26	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
	RA52	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-59	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA68	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-71	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA73	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
	-77	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
	RA321	**WH216700**	RESISTOR ARRAY	0 X 4	抵抗アレイ			01
	RA322	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA323	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA326	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA327	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA349	**WH210600**	RESISTOR ARRAY	3.3K X 4	抵抗アレイ			01
	RA352	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
	TR500	**VY67760R**	DIGITAL TRANSISTOR	DTC123JKA TP	デジタルトランジスタ			01
	C2	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C50	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C51	**US634100**	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チップセラ（B）			01
	C53	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
	C55	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
	C56	**US661100**	CERAMIC CAPACITOR (CHIP)	10P 50V D RECT.	チップセラ（CH）			01
	C57	**US661100**	CERAMIC CAPACITOR (CHIP)	10P 50V D RECT.	チップセラ（CH）			01
	C75	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C76	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
	C77	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C96	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
	C97	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
	C108	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
	C113	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
	C115	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
	-119	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
	C122	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C127	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
	C132	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
	C138	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
-140	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C141	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（CH）			
-148	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（CH）			
C149	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-151	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C152	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C153	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-156	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C157	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C158	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-163	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C164	**WU539500**	CERAMIC CAPACITOR (CHIP)	10.0000 16V M KAKU	チップセラ			01
C165	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C175	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C313	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C314	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C317	**US661150**	CERAMIC CAPACITOR (CHIP)	15P 50V J RECT.	チップセラ（CH）			01
C318	**US661150**	CERAMIC CAPACITOR (CHIP)	15P 50V J RECT.	チップセラ（CH）			01
C319	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C322	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C323	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C324	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
-328	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
C331	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C332	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C335	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C339	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-341	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C342	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C343	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C344	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（B）			01
C345	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C346	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C348	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C354	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C356	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C357	**UF128330**	CAPACITOR	330 10V	チップケミコン			01
C358	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C359	**US664100**	CERAMIC CAPACITOR (CHIP)	0.010 50V Z RECT.	チップセラ（F）			01
C369	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C502	**WQ574000**	ELECTROLYTIC CAPACITOR(CHIP)	100 25V RVS-25V101	チップケミコン			01
C503	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
C504	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
C505	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C506	**WN110600**	MONOLITHIC CERAMIC CAP(CHIP)	4.700 25V K KAKUTE	チップ積層セラコン			01
C508	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
-510	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
C511	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C512	**WU539500**	CERAMIC CAPACITOR (CHIP)	10.0000 16V M KAKU	チップセラ			01
C513	**WU539500**	CERAMIC CAPACITOR (CHIP)	10.0000 16V M KAKU	チップセラ			01
C514	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
C515	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
C518	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C519	**US642220**	CERAMIC CAPACITOR (CHIP)	220P 25V J RECT.	チップセラ（CH）			01
C520	**US642220**	CERAMIC CAPACITOR (CHIP)	220P 25V J RECT.	チップセラ（CH）			01
C521	**US643470**	CERAMIC CAPACITOR (CHIP)	4700P 25V K RECT.	チップセラ（B）			01
C522	**US643470**	CERAMIC CAPACITOR (CHIP)	4700P 25V K RECT.	チップセラ（B）			01
C525	**WU539500**	CERAMIC CAPACITOR (CHIP)	10.0000 16V M KAKU	チップセラ			01
C526	**WU539500**	CERAMIC CAPACITOR (CHIP)	10.0000 16V M KAKU	チップセラ			01
C527	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-531	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C537	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C539	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C541	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
C542	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
* C543	**ZC041800**	ELECTROLYTIC CAPACITOR	220.00 25.0V	チップケミコン CL			
C544	**WN110600**	MONOLITHIC CERAMIC CAP(CHIP)	4.700 25V K KAKUTE	チップ積層セラコン			01
C545	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（B）			01
C546	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
C547	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
C548	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C549	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C550	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C551	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C552	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C555	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（Ｂ）			01
C556	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（Ｂ）			01
C557	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C558	**WN110600**	MONOLITHIC CERAMIC CAP(CHIP)	4.700 25V K KAKUTE	チップ積層セラコン			01
C559	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C560	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C561	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（Ｂ）			01
C562	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（Ｂ）			01
C563	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C564	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（Ｂ）			01
C565	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
-567	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C568	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
-571	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C573	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C574	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C575	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C576	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C577	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C579	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C580	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C582	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
-585	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C590	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
-592	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C593	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
C594	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
C595	**UF03747R**	ELECTROLYTIC CAPACITOR(CHIP)	47 16V	チップケミコン			01
C596	**UF14810R**	ELECTROLYTIC CAPACITOR(CHIP)	100 25V	チップケミコン			01
C600	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C601	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C604	**US634100**	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チップセラ（Ｂ）			01
C605	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C623	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C632	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C633	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C635	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C636	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
C637	**US634100**	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チップセラ（Ｂ）			01
C638	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
-640	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
C641	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
CN2	**WK415500**	CONNECTOR	FLT 20P TE	ＦＦＣ／ＦＰＣコネク			03
CN3	**VT388400**	CONNECTOR	PH 3P TE	ベース付ポスト			01
CN303	**VT389000**	CONNECTOR	PH 9P TE	ベース付ポスト			01
CN304	**WB560200**	CONNECTOR	ZH 7P TE	ベースピン			01
CN501	**WB560100**	CONNECTOR	ZH 6P TE	ベースピン			01
CN502	**WB560600**	CONNECTOR	ZH 11P TE	ベースピン			02
D1	**VT53250R**	DIODE	1SR154-400 TE-25	ダイオード			01
D2	**VT53250R**	DIODE	1SR154-400 TE-25	ダイオード			01
D300	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
D500	**WM940400**	DIODE	RB070M-30TR TP	ダイオード			01
D501	**WM940400**	DIODE	RB070M-30TR TP	ダイオード			01
D502	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
D503	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
D504	**VT53250R**	DIODE	1SR154-400 TE-25	ダイオード			01
DA300	**V9424900**	DIODE ARRAY	1SS372 TE85L	ダイオードアレイ			01
-304	**V9424900**	DIODE ARRAY	1SS372 TE85L	ダイオードアレイ			01
EM500	**ZC805200**	EMI FILTER	NFE31PT222Z1E9L	エミフィル チップ			01
EM501	**ZC805200**	EMI FILTER	NFE31PT222Z1E9L	エミフィル チップ			01
* IC1	**YD932A00**	IC	RP131H121D-T1-FE	I C	REGULATOR +1.2V		
IC2	**--**	IC	R8A02042BG	I C	SWX08 (YC479A0)		
IC4	**X9347A00**	IC	R3112N291A-TR-F	I C	VOLTAGE DETECTOR		01
IC5	**XY806A0R**	IC	TC7WH14FU(TE12L,F)	I C	INVERTER		02
IC6	**--**	IC	T6TJ3XBG-0001(O)	I C	SWP51L (X8940A0)		

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	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
*	IC7	**YD933A00**	IC	RP131H151D-T1-FE	IC	REGULATOR +1.5V		
	IC8	**X8382A00**	IC	TC7WH08FK(TE85L,F)	IC	AND		01
*	IC8	**YE509A00**	IC	HD74LV2G08AUSE	IC	AND		
	IC9	**X3693A01**	IC	SN74LV245APWR	IC	TRANSCEIVER		05
	IC14	**X5422A00**	IC	S1D13700F01A100	IC	LCDC		08
	IC15	**X3693A01**	IC	SN74LV245APWR	IC	TRANSCEIVER		05
	-19	**X3693A01**	IC	SN74LV245APWR	IC	TRANSCEIVER		05
	IC20	**X0197A00**	IC	TC74VHC11FT(EL)	IC	AND		01
	IC23	**XY806A0R**	IC	TC7WH14FU(TE12L,F)	IC	INVERTER		02
*	IC302	**YE202A00**	IC	JS28F00AM29EWLA	IC	WAVE ROM-H 1G		
	IC306	**XY806A0R**	IC	TC7WH14FU(TE12L,F)	IC	INVERTER		02
*	IC308	**YE203B00**	IC	JS28F00AM29EWLA	IC	WAVE ROM-L 1G		
	IC310	**XY806A0R**	IC	TC7WH14FU(TE12L,F)	IC	INVERTER		02
	IC311	**X2080A00**	IC	SN74AHCT1G32DCKR	IC	OR		01
	IC311	**XW814A0R**	IC	TC7SET32FU(TE85L,F)	IC	OR		01
	IC311	**YE501A00**	IC	HD74LV1GT32ACME-E	IC	OR		
	IC312	**YD235A00**	IC	R5524N002A-TR-FE	IC	USB HIGH-SIDE POWER SW		02
	IC313	**VR90370R**	PHOTO COUPLER	HCPL-M600-500E	フォトカプラ			04
	IC500	**X8506A01**	IC	TC74VHC123AFT EL,K	IC	SINGLE SHOT		02
	IC502	**YC714A00**	IC	LT3506AEDHD#TRPBF	IC	DC-DC CONVERTER		06
	IC503	**X2377A0R**	IC	SN74LV21APWR	IC	AND		01
*	IC506	**YD652A00**	IC	YDA164C-QZE2	IC	DIGITAL AMP		
*	IC508	**YD413A00**	IC	R1190H050B-T1-FE	IC	REGULATOR +5V		
	IC509	**X8324A00**	IC	AK4396VF-E2	IC	DAC		06
	IC510	**X7585A00**	IC	AK5357ET-E2	IC	ADC		05
	IC512	**YC019A00**	IC	S-80944CNNB-G9ET2G	IC	SYSTEM RESET		01
	L2	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ			01
	L305	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ			01
	L306	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ			01
	L307	**WE863900**	CHIP INDUCTANCE	DLP11SN900HL2L	チップインダクタ			01
	L308	**WE863900**	CHIP INDUCTANCE	DLP11SN900HL2L	チップインダクタ			01
	L309	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ			01
	L310	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ			01
	L500	**WM459400**	CHIP INDUCTANCE	BLM18PG121SN1D 160	チップインダクタ			01
	L501	**WT550300**	CHIP INDUCTANCE	4.7U 7E06NB-4R7N-R	チップインダクタ			01
	L502	**WT550300**	CHIP INDUCTANCE	4.7U 7E06NB-4R7N-R	チップインダクタ			01
*	L504	**WZ540200**	CHIP INDUCTOR	10U DER7052-100M-R	チップインダクタ			
*	L507	**WZ540200**	CHIP INDUCTOR	10U DER7052-100M-R	チップインダクタ			
*	L508	**WZ540200**	CHIP INDUCTOR	10U DER7052-100M-R	チップインダクタ			
*	L511	**WZ540200**	CHIP INDUCTOR	10U DER7052-100M-R	チップインダクタ			
	R3	**RD454100**	CARBON RESISTOR (CHIP)	10.0 63M J RECT.	チップ抵抗			01
	R4	**RD454100**	CARBON RESISTOR (CHIP)	10.0 63M J RECT.	チップ抵抗			01
	R5	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R14	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R18	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R21	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R22	**RD455330**	CARBON RESISTOR (CHIP)	330.0 63M J RECT.	チップ抵抗			01
	R23	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	-27	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R28	**RD456100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
	R34	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	-38	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R40	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	-42	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R51	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	-54	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R55	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
	R56	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	-58	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R61	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
	R64	**RD454100**	CARBON RESISTOR (CHIP)	10.0 63M J RECT.	チップ抵抗			01
	R65	**RD454220**	CARBON RESISTOR (CHIP)	22.0 63M J RECT.	チップ抵抗			01
	R66	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R68	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R69	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R70	**RD150000**	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チップ抵抗			01
	R71	**RD150000**	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チップ抵抗			01
	R103	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R104	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R105	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
R110	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R114	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R127	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R300	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R302	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-314	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R318	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R319	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R323	**RD457220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R331	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R332	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R333	**RD457220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
-337	**RD457220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R338	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R345	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-348	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R352	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R353	**RD459100**	CARBON RESISTOR (CHIP)	1.0M 63M J RECT.	チップ抵抗			01
R355	**RD45615R**	CARBON RESISTOR (CHIP)	1.5K 63M J RECT.	チップ抵抗			01
R356	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R374	**RD457220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R384	**RA154270**	METAL FILM RESISTOR (CHIP)	27.0 63M D RECT.	チップ金被抵抗			01
R385	**RA154270**	METAL FILM RESISTOR (CHIP)	27.0 63M D RECT.	チップ金被抵抗			01
R386	**RA154220**	METAL FILM RESISTOR (CHIP)	22.0 63M D RECT.	チップ金被抵抗			
R387	**RA154220**	METAL FILM RESISTOR (CHIP)	22.0 63M D RECT.	チップ金被抵抗			
R393	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R394	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R395	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R400	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
R403	**RD456100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R404	**RD458470**	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チップ抵抗			
R405	**RD457220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R406	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R407	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R408	**RD456220**	CARBON RESISTOR (CHIP)	2.2K 63M J RECT.	チップ抵抗			01
R409	**RD457180**	CARBON RESISTOR (CHIP)	18.0K 63M J RECT.	チップ抵抗			01
R410	**RD457220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R411	**RD456100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R412	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R413	**RD457150**	CARBON RESISTOR (CHIP)	15.0K 63M J RECT.	チップ抵抗			01
R414	**RD457150**	CARBON RESISTOR (CHIP)	15.0K 63M J RECT.	チップ抵抗			01
R415	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R416	**RD45615R**	CARBON RESISTOR (CHIP)	1.5K 63M J RECT.	チップ抵抗			01
R417	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R418	**RD45615R**	CARBON RESISTOR (CHIP)	1.5K 63M J RECT.	チップ抵抗			01
R419	**RD45522R**	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チップ抵抗			01
R420	**RD15522R**	CARBON RESISTOR (CHIP)	220.0 1/4 J TP	チップ抵抗			
R421	**RD45522R**	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チップ抵抗			01
R422	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R423	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R425	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-427	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R435	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R440	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
-447	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R450	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R451	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R455	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R457	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R458	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R465	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R500	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R501	**RD458470**	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チップ抵抗			
R502	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R503	**RA157270**	METAL FILM RESISTOR (CHIP)	27.0K 63M D RECT.	チップ金被抵抗			01
R504	**RA156470**	METAL FILM RESISTOR (CHIP)	4.7K 63M D RECT.	チップ金被抵抗			01
R505	**RA156330**	METAL FILM RESISTOR (CHIP)	3.3K 63M D RECT.	チップ金被抵抗			01
R506	**RA157510**	METAL FILM RESISTOR (CHIP)	51.0K 63M D RECT.	チップ金被抵抗			01
R507	**RA157100**	METAL FILM RESISTOR (CHIP)	10.0K 63M D RECT.	チップ金被抵抗			01
R508	**RA157100**	METAL FILM RESISTOR (CHIP)	10.0K 63M D RECT.	チップ金被抵抗			01

✻: New Parts

RANK: Japan only

DM and PNC/PNL/PNR

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	R509	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R510	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
	R512	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
	R513	**RD457270**	CARBON RESISTOR (CHIP)	27.0K 63M J RECT.	チップ抵抗			01
	R514	**RD457390**	CARBON RESISTOR (CHIP)	39.0K 63M J RECT.	チップ抵抗			01
	R515	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
	R516	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	-521	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R525	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R529	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R530	**RD253100**	CARBON RESISTOR (CHIP)	1.0 0.1 J RECT.	チップ抵抗			01
	R542	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R544	**RD457560**	CARBON RESISTOR (CHIP)	56.0K 63M J RECT.	チップ抵抗			01
	R545	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R550	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
	R551	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
	R556	**RA156470**	METAL FILM RESISTOR (CHIP)	4.7K 63M D RECT.	チップ金被抵抗			01
	R557	**RA156470**	METAL FILM RESISTOR (CHIP)	4.7K 63M D RECT.	チップ金被抵抗			01
	R561	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R564	**RA156560**	METAL FILM RESISTOR (CHIP)	5.6K 63M D RECT.	チップ金被抵抗			
*	R565	**RA156240**	METAL FILM RESISTOR (CHIP)	2.4K 63M D RECT.	チップ金被抵抗			
*	R566	**RA155270**	METAL FILM RESISTOR (CHIP)	270.0 63M D RECT.	チップ金被抵抗			
	R567	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R568	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R569	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R570	**RD456390**	CARBON RESISTOR (CHIP)	3.9K 63M J RECT.	チップ抵抗			
	R591	**RD456560**	CARBON RESISTOR (CHIP)	5.6K 63M J RECT.	チップ抵抗			01
	R594	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	RA1	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
	-8	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
	RA15	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
	RA17	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
	RA27	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-36	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA37	**WH205800**	RESISTOR ARRAY	33 X 4	抵抗アレイ			01
	RA38	**WH205800**	RESISTOR ARRAY	33 X 4	抵抗アレイ			01
	RA39	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-47	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA48	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
	-51	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
	RA64	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-67	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA72	**WH210200**	RESISTOR ARRAY	2.2K X 4	抵抗アレイ			01
	RA78	**WH210200**	RESISTOR ARRAY	2.2K X 4	抵抗アレイ			01
	RA79	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA300	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA301	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA304	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-313	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA315	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-318	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA330	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-347	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA350	**WH211000**	RESISTOR ARRAY	4.7K X 4	抵抗アレイ			01
	RA351	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
	TH500	**WQ479700**	PROTECTOR	MF-MSMF110/16-2	POLYSWITCH			01
	TR1	**WG989900**	DIGITAL TRANSISTOR	KRA226S-RTK/P	デジタルトランジスタ			01
	TR2	**WF688500**	DIGITAL TRANSISTOR	KRC119S RTK/P	デジタルトランジスタ			01
	TR300	**VY67760R**	DIGITAL TRANSISTOR	DTC123JKA TP	デジタルトランジスタ			01
	TR301	**WG989900**	DIGITAL TRANSISTOR	KRA226S-RTK/P	デジタルトランジスタ			01
	TR302	**VV556400**	TRANSISTOR	2SC2412K Q,R,S TP	トランジスタ			01
	TR303	**VV556400**	TRANSISTOR	2SC2412K Q,R,S TP	トランジスタ			01
	X1	**WM135200**	QUARTZ CRYSTAL UNIT	16.9344MHz DSX321G	水晶振動子			03
	X300	**WM135300**	QUARTZ CRYSTAL UNIT	11.2896MHz DSX321G	水晶振動子			03
	X301	**WH521200**	QUARTZ CRYSTAL UNIT	SG-310SCF 48MHz	水晶振動器			04
*		**WZ560900**	CIRCUIT BOARD	PNC	PNCシート	(WZ55980)(YD938C0)		
*		**WZ561000**	CIRCUIT BOARD	PNL	PNLシート	(WZ55980)(YD938C0)		
*		**WZ560300**	CIRCUIT BOARD	PNR	PNRシート	(WZ55980)(YD938C0)		
	LD1	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	ACMP		01

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RANK: Japan only

PNC/PNL/PNR and PNM/PNS

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	LD2	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	INTRO I		01
	LD3	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	FADE IN/OUT		01
	LD4	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	INTRO II		01
	LD5	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	OTS LINK		01
	LD6	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	INTRO III		01
	LD7	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	AUTO FILL IN		01
	LD8	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	MAIN VARIATION A		01
	LD9	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	MAIN VARIATION B		01
	LD10	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	MAIN VARIATION D		01
	LD11	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	MAIN VARIATION C		01
	LD12	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	BREAK		01
	LD13	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	ENDING/rit. I		01
	LD14	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	ENDING/rit. II		01
	LD15	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	ENDING/rit. III		01
	LD16	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	SYNC STOP		01
	LD17	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	1 (REGISTRATION MEMORY)		01
	LD18	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	SYNC START		01
	LD19	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	2 (REGISTRATION MEMORY)		01
	LD20	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	START/STOP		01
	LD21	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	3 (REGISTRATION MEMORY)		01
	LD22	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	4 (REGISTRATION MEMORY)		01
	LD23	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	5 (REGISTRATION MEMORY)		01
	LD24	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	6 (REGISTRATION MEMORY)		01
	LD25	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	FREEZE		01
	LD26	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	7 (REGISTRATION MEMORY)		01
	LD27	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	8 (REGISTRATION MEMORY)		01
	LD51	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	1 (MULTI PAD CONTROL)		01
	LD52	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	2 (MULTI PAD CONTROL)		01
	LD53	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	3 (MULTI PAD CONTROL)		01
	LD54	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	4 (MULTI PAD CONTROL)		01
	LD55	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	1 (ONE TOUCH SETTING)		01
	LD56	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	2 (ONE TOUCH SETTING)		01
	LD57	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	3 (ONE TOUCH SETTING)		01
	LD58	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	4 (ONE TOUCH SETTING)		01
	C1	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
	CN1	**WC199900**	CONNECTOR	FFC/FPC 52808 29P TE	FFC／FPCコネクタ			02
	CN3	**WB560200**	CONNECTOR	ZH 7P TE	ベース ピン			01
	CN4	**WC19910R**	CONNECTOR	FFC/FPC 52808 16P TE	FFC／FPCコネクタ			01
	CN11	**WC195200**	CONNECTOR	FFC/FPC 52808 14P TE	FFC／FPCコネクタ			01
	D1	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
	-30	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
	D131	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
	-142	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
*		**WZ560800**	CIRCUIT BOARD	PNM	PNMシート	(WZ55970)(YD937C0)		
*		**WZ560700**	CIRCUIT BOARD	PNS	PNSシート	(WZ55970)(YD937C0)		
*	EC1	**WZ590700**	ENCODER	EC12E24204A2	12形エンコーダ	Data entry		
	VR1	**VS36820R**	ROTARY VR	B10K RK09K1130A8G	ロータリーVR 1連	LCD Contrast		01
	VR2	**VQ67050R**	ROTARY VR	B10K RK11K1130A0M	ロータリーボリューム	MASTER VOLUME		02
*	VR2	**ZA926800**	ROTARY VR	1B 10.0K XV012111Y	ロータリーVR			
	LD1	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	REC (SONG)		01
	LD2	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	REPEAT (SONG)		01
	LD3	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	POP&ROCK (STYLE)		01
	LD4	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	BALLAD (STYLE)		01
	LD5	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	DANCE (STYLE)		01
	LD7	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	EXTRA TR (SONG)		01
	LD8	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	SWING&JASS (STYLE)		01
	LD9	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	R&B (STYLE)		01
	LD10	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	COUNTRY (STYLE)		01
	LD11	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	TR2 (SONG)		01
	LD12	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	PLAY/PAUSE (SONG)		01
	LD13	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	LATIN (STYLE)		01
	LD14	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	BALLROOM (STYLE)		01
	LD15	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	MOVIE&SHOW (STYLE)		01
	LD16	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	GUIDE (SONG)		01
	LD17	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	TR1 (SONG)		01
	LD18	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	METRONOME		01
	LD19	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	ENTERTAINER (STYLE)		01
	LD20	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	WORLD (STYLE)		01
	LD21	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	EXPANSION/USER (STYLE)		01

*: New Parts

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
LD22	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	LEFT HOLD (PART ON/OFF)		01
LD23	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	LEFT (PART ON/OFF)		01
LD24	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	HARMONY/ECHO (VOICE CONTROL)		01
LD25	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	RIGHT1 (PART ON/OFF)		01
LD26	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	TOUCH (VOICE CONTROL)		01
LD27	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	PIANO (VOICE)		01
LD28	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	E.PIANO (VOICE)		01
LD29	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	STRINGS (VOICE)		01
LD30	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	RIGHT2 (PART ON/OFF)		01
LD31	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	SUSTAIN (VOICE CONTROL)		01
LD32	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	GUITAR&BASS (VOICE)		01
LD33	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	SAXOPHONE (VOICE)		01
LD34	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	FLUTE&WOODWING (VOICE)		01
LD35	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	LEFT (PART SELECT)		01
LD36	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	MONO (VOICE CONTROL)		01
LD37	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	ORGAN (VOICE)		01
LD38	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	TRUMPET (VOICE)		01
LD39	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	BRASS (VOICE)		01
LD40	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	RIGHT1 (PART SELECT)		01
LD41	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	DSP (VOICE CONTROL)		01
LD42	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	ACCORDION&HARMONICA (VOICE)		01
LD43	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	CHOIR&PAD (VOICE)		01
LD44	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	SYNTH&FX (VOICE)		01
LD45	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	RIGHT2 (PART SELECT)		01
LD46	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	USB		01
LD47	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	VARI. (VOICE CONTROL)		01
LD48	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	PERC.&DRUM KIT (VOICE)		01
LD49	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	ORGAN FLUTE (VOICE)		01
LD50	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップ LED	EXPANSION/USER (VOICE)		01
C1	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C2	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C3	**UF12847R**	ELECTROLYTIC CAPACITOR(CHIP)	470 10V	チップケミコン			02
C7	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C8	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ（SL）			01
-21	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ（SL）			01
C24	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
-27	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C28	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C29	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C31	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C32	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C33	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C34	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
-36	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C37	**UF03810R**	ELECTROLYTIC CAPACITOR(CHIP)	100 16V	チップケミコン			01
C39	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C43	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（B）			
C44	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（B）			
C45	**US661330**	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チップセラ（CH）			
C46	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（B）			
C47	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（B）			
C50	**US661330**	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チップセラ（CH）			
C51	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C52	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C53	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C54	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C55	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C56	**US664100**	CERAMIC CAPACITOR (CHIP)	0.010 50V Z RECT.	チップセラ（F）			01
-62	**US664100**	CERAMIC CAPACITOR (CHIP)	0.010 50V Z RECT.	チップセラ（F）			01
C65	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C67	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C68	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（B）			
-79	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（B）			
C80	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
CN1	**VT389000**	CONNECTOR	PH 9P TE	ベース付ポスト			01
CN2	**WB560300**	CONNECTOR	ZH 8P TE	ベースピン			
CN3	**WC199900**	CONNECTOR	FFC/FPC 52808 29P TE	FFC／FPCコネクタ			02
CN4	**WC199900**	CONNECTOR	FFC/FPC 52808 29P TE	FFC／FPCコネクタ			02
CN6	**WC19910R**	CONNECTOR	FFC/FPC 52808 16P TE	FFC／FPCコネクタ			01
CN7	**WC199900**	CONNECTOR	FFC/FPC 52808 29P TE	FFC／FPCコネクタ			02

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	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	CN8	**WC195200**	CONNECTOR	FFC/FPC 52808 14P TE	FFC／FPCコネクタ			01
	D1	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
	-10	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
	D30	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
	-41	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
	D43	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
	-130	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
	EM1	**WE05620R**	EMI FILTER (CHIP)	NFM21PC105B1A3D	エミフィルチップ			01
	EM2	**WE05620R**	EMI FILTER (CHIP)	NFM21PC105B1A3D	エミフィルチップ			01
	FT1	**V807480R**	FET	MCH6616-TL-E TAPE	FET			02
	-5	**V807480R**	FET	MCH6616-TL-E TAPE	FET			02
	FT1	**ZA683700**	FET	US6K1TR	FET			01
	-5	**ZA683700**	FET	US6K1TR	FET			01
*	FT1	**ZA777500**	FET	US6K4TR TAPE	FET			
*	-5	**ZA777500**	FET	US6K4TR TAPE	FET			
*	IC1	**YD841B00**	IC	TMP89FW24AFG-7KH4	IC	E-PNS3a		
	L1	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
	L2	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
	L3	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
	L4	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
	R1	**RD357270**	CARBON RESISTOR (CHIP)	27.0K 63M J RECT.	チップ抵抗			01
	R2	**RD35718R**	CARBON RESISTOR (CHIP)	18.0K 63M J RECT.	チップ抵抗			01
	R3	**RD155120**	CARBON RESISTOR (CHIP)	120.0 1/4 J TP	チップ抵抗			01
	R4	**RD15518R**	CARBON RESISTOR (CHIP)	180.0 1/4 J TP	チップ抵抗			01
	-8	**RD15518R**	CARBON RESISTOR (CHIP)	180.0 1/4 J TP	チップ抵抗			01
	R9	**RD155120**	CARBON RESISTOR (CHIP)	120.0 1/4 J TP	チップ抵抗			01
	R10	**RD15518R**	CARBON RESISTOR (CHIP)	180.0 1/4 J TP	チップ抵抗			01
	-12	**RD15518R**	CARBON RESISTOR (CHIP)	180.0 1/4 J TP	チップ抵抗			01
	R13	**RD155120**	CARBON RESISTOR (CHIP)	120.0 1/4 J TP	チップ抵抗			01
	R14	**RD15518R**	CARBON RESISTOR (CHIP)	180.0 1/4 J TP	チップ抵抗			01
	R15	**RD155120**	CARBON RESISTOR (CHIP)	120.0 1/4 J TP	チップ抵抗			01
	R16	**RD15518R**	CARBON RESISTOR (CHIP)	180.0 1/4 J TP	チップ抵抗			01
	R22	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R23	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R24	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
	R25	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
	R26	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R27	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R29	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R30	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R32	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R33	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R34	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R35	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
	-41	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
	R42	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R43	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R46	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R47	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R48	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R49	**RD35747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
	R50	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R51	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
	R52	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R53	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R54	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R55	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R56	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R57	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R58	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R59	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R60	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R61	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R62	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	-64	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R65	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R66	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R67	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R68	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R69	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01

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	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	R70	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
	R71	**RD358470**	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チップ抵抗			01
	-76	**RD358470**	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チップ抵抗			01
	R77	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
	RA1	**WH213400**	RESISTOR ARRAY	47K X 4	抵抗アレイ			01
	-4	**WH213400**	RESISTOR ARRAY	47K X 4	抵抗アレイ			01
	TR1	**WB12320R**	TRANSISTOR ARRAY	IMB10A T110	トランジスタアレイ			05
	-7	**WB12320R**	TRANSISTOR ARRAY	IMB10A T110	トランジスタアレイ			05
		WF310500	CIRCUIT BOARD	EMKS61A(E-BUS)	EMKS61Aシート	(WF31010)(X6637C0)		08
		--	ANTI-VIBRATION TAPE	10X64X0.5	防振テープ	(VK34680)		
	C0001	**US135100**	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チップセラ(F)			01
	C0002	**UF03810R**	ELECTROLYTIC CAPACITOR(CHIP)	100 16V	チップケミコン			01
	C0003	**US064100**	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チップセラ(B)			01
	C0004	**US135100**	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チップセラ(F)			01
	C0005	**US135100**	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チップセラ(F)			01
	C0006	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
	-0028	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
	CN001	**VB39030R**	CONNECTOR	PH 7P TE	ベースポスト			01
	CN002	**VK02560R**	CONNECTOR	52147 12P TE	ワイヤートラップ			01
	CN003	**VK024900**	CONNECTOR	52147 5P TE	ワイヤートラップ			01
	CN004	**VK025100**	CONNECTOR	52147 7P TE	ワイヤートラップ			01
	D0001	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			01
	-0003	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			01
	IC001	**X003120R**	IC	UPD780031AYGK-N04	IC	LKS		05
	J0002	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
	R0001	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
	R0002	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R0003	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R0005	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
	R0006	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
	RA001	**V809080R**	RESISTOR ARRAY	RGLE12X103J	抵抗アレイ			01
*	RA001	**WZ219100**	RESISTOR ARRAY	RKC12BSD103J	抵抗アレイ			
	X0001	**V615050R**	CERAMIC RESONATOR	8.38MHz EFOS8384E5	セラミック振動子			01
	X0001	**WU956300**	CERAMIC RESONATOR	8.38MHz CSTCC8M38G56	セラミック振動子			01
		VU648200	CIRCUIT BOARD	MK-H	MKーHシート	(VU64800)(XR565C0)		09
		VB941200	DIODE	1SS133,1SS176 TE-5	ダイオード	A#3-C6	68	01
		VK02560R	CONNECTOR	52147 12P TE	ワイヤートラップ		2	01
		VK024900	CONNECTOR	52147 5P TE	ワイヤートラップ			01
		VU648101	CIRCUIT BOARD	MK-L	MKーLシート	(VU64790)(XR564C0)		08
		VB941200	DIODE	1SS133,1SS176 TE-5	ダイオード	C1-A3	54	01
		VK02560R	CONNECTOR	52147 12P TE	ワイヤートラップ			01
		VK025100	CONNECTOR	52147 7P TE	ワイヤートラップ			01
*		**YE178A00**	SPEAKER	13.0cm 4ohm 20W	スピーカ	WOOFER	2	
		YD681A00	SPEAKER	5.0cm 6ohm 10W	スピーカ	TWEETER	2	03
		WR339600	CRYSTAL DISPLAY	KG057QVLFF-G00	液晶ディスプレイ			45

✻: New Parts

RANK: Japan only

■ ELECTRICAL PARTS (PSR-S950)

AJACK/HP/MOD/PB

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
			ELECTRICAL PARTS		電気部品	PSR-S950		
*		**WZ435500**	CIRCUIT BOARD	AJACK	AJACKシート	(WZ43510)(YD887D0)		
*		**WZ435300**	CIRCUIT BOARD	HP	HPシート	(WZ43510)(YD887D0)		
*		**WZ559400**	CIRCUIT BOARD	MOD	MODシート	(WZ43510)(YD887D0)		
*		**WZ559300**	CIRCUIT BOARD	PB	PBシート	(WZ43510)(YD887D0)		
*		**WZ493400**	CIRCUIT BOARD	DM	DMシート	(YD846B0)		
		WF310500	CIRCUIT BOARD	EMKS61A(E-BUS)	EMKS61Aシート	(WF31010)(X6637C0)		08
		VU648200	CIRCUIT BOARD	MK-H	MK-Hシート	(VU64800)(XR565C0)		09
		VU648101	CIRCUIT BOARD	MK-L	MK-Lシート	(VU64790)(XR564C0)		08
*		**WZ560900**	CIRCUIT BOARD	PNC	PNCシート	(WZ55980)(YD938C0)		
*		**WZ561000**	CIRCUIT BOARD	PNL	PNLシート	(WZ55980)(YD938C0)		
*		**WZ560300**	CIRCUIT BOARD	PNR	PNRシート	(WZ55980)(YD938C0)		
*		**WZ560100**	CIRCUIT BOARD	PNM	PNMシート	(WZ50830)(YD937C0)		
*		**WZ560200**	CIRCUIT BOARD	PNS	PNSシート	(WZ50830)(YD937C0)		
*		**WZ435500**	CIRCUIT BOARD	AJACK	AJACKシート	(WZ43510)(YD887D0)		
*		**WZ435300**	CIRCUIT BOARD	HP	HPシート	(WZ43510)(YD887D0)		
*		**WZ559400**	CIRCUIT BOARD	MOD	MODシート	(WZ43510)(YD887D0)		
*		**WZ559300**	CIRCUIT BOARD	PB	PBシート	(WZ43510)(YD887D0)		
		--	DC JACK PLATE		DCジャック金具	(ZA59790)		
		WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	Bタイト十BIND		2	01
	CN1	**VB390200**	CONNECTOR	PH 6P TE	ベースポスト			01
	CN2	**VB39070R**	CONNECTOR	PH 11P TE	ベースポスト			01
	CN3	**VB38990R**	CONNECTOR	PH 3P TE	ベースポスト			01
	CN4	**VL845000**	CONNECTOR	XH 6P TE	ベースツキポスト			01
	CN9	**VB39040R**	CONNECTOR	PH 8P TE	ベースポスト			01
	CN10	**VB39010R**	CONNECTOR	PH 5P TE	ベースポスト			01
	CN200	**VB858400**	CONNECTOR	PH 5P SE	ベースポスト			01
	CN300	**VB858200**	CONNECTOR	PH 3P SE	ベースポスト			01
	CN301	**VB858300**	CONNECTOR	PH 4P SE	ベースポスト			01
⚠	D1	**V9917100**	DIODE	S3V60-5004P15 FOR.	ダイオード			01
	FT1	**ZA675500**	FET	TJ20A10M3	FET			
	IC1	**XJ602A0R**	IC	NJM78M12FA	IC	REGULATOR 12V 0.5A		02
	JK1	**V7509100**	CONNECTOR	DJ-0735D-029	電源コネクタ	DC IN 16V		02
	JK2	**WJ306200**	PHONE JACK	MSJ-064-15A B AG	ホーンコネクタ	MIC/LINE IN		01
	JK3	**VS11540R**	PHONE JACK BLACK	LGR4609-7100F	ホーンコネクタ（黒）	PEDAL1		01
	JK4	**VS11540R**	PHONE JACK BLACK	LGR4609-7100F	ホーンコネクタ（黒）	PEDAL2		01
	JK5	**VB23040R**	PHONE JACK	YKB21-5352N	ホーンコネクタ	AUX IN		03
	JK5	**ZA590000**	PHONE JACK	MSJ-035-10A-B-RF-PRO	ホーンコネクタ			
	JK7	**VS11540R**	PHONE JACK BLACK	LGR4609-7100F	ホーンコネクタ（黒）	OUTPUT L/L+R		01
	JK8	**VS11540R**	PHONE JACK BLACK	LGR4609-7100F	ホーンコネクタ（黒）	OUTPUT R		01
	JK200	**WJ306200**	PHONE JACK	MSJ-064-15A B AG	ホーンコネクタ	PHONES		01
*	L3	**ZC240800**	INDUCTOR	UF1815SG-800Y3R0-0	ラインフィルター			
	L6	**VF45660R**	COIL	SBT-0180W RX 80uH	コイル80U			03
	RY1	**V824560R**	RELAY	DC ATX203 12V	リレー			04
	RY1	**V8616500**	RELAY	DC G6S-2 12V	リレー12V			04
	RY1	**WB17080R**	RELAY	DC NA-12W-K 12V	リレー12V			04
	RY1	**WB751900**	RELAY	DC EC2-12NU-F 12V	リレー12V			03
	SW100	**VQ54580R**	SLIDE SWITCH	SSSF121900	スライドSW	MIC/LINE		02
⚠	TH1	**VV45800R**	PROTECTOR SWTCH	RUEF250 2.50A 30V	ポリスイッチ			03
*	VR1	**ZA774900**	VR ROTARY	A 10.0K RK09K1110D	ロータリーVR	INPUT VOLUME		
*	VR300	**WZ510000**	VR ROTARY	B 10.0K RK11K1110D	ロータリーVR	PITCH BEND		
*	VR301	**WZ510000**	VR ROTARY	B 10.0K RK11K1110D	ロータリーVR	MODULATION		
	C1	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	-3	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C4	**US062270**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
	C5	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
	C6	**US064100**	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チップセラ（B）			01
	C8	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C9	**US062270**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（SL）			01
	C11	**US064100**	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チップセラ（B）			01
	C15	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C17	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C21	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C22	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
	C25	**UR749680**	ELECTROLYTIC CAPACITOR	6800 25.0V FORM.	ケミコン			03
	C27	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C29	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01
	C30	**US06312R**	CERAMIC CAPACITOR (CHIP)	1200P 50V K RECT.	チップセラ（B）			01
	C31	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラF			01

*: New Parts

RANK: Japan only

AJACK/HP/MOD/PB

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
C32	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C34	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C38	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C40	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ(B)			01
C43	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C45	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ(SL)			01
C46	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C55	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C56	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C59	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C68	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ(SL)			01
C69	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ(SL)			01
C70	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
C71	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ(SL)			01
C72	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
C73	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ(SL)			01
C74	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
C75	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
C83	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
C84	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
C85	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ(SL)			01
C86	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
C87	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
C92	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ(SL)			01
C97	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ(B)			01
C98	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ(B)			01
C99	**US064100**	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チップセラ(B)			01
C100	**US064100**	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チップセラ(B)			01
C101	**US06322R**	CERAMIC CAPACITOR (CHIP)	2200P 50V K RECT.	チップセラ(B)			01
C102	**US06322R**	CERAMIC CAPACITOR (CHIP)	2200P 50V K RECT.	チップセラ(B)			01
C104	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ(B)			01
C105	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ(B)			01
C106	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
C107	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C108	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C110	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
C111	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C112	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C123	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C130	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C132	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
-136	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C139	**US065100**	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラ F			01
C200	**US06322R**	CERAMIC CAPACITOR (CHIP)	2200P 50V K RECT.	チップセラ(B)			01
C201	**US06322R**	CERAMIC CAPACITOR (CHIP)	2200P 50V K RECT.	チップセラ(B)			01
C202	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
IC3	**X5482A00**	IC	NE5532DR	IC	OP AMP		01
-6	**X5482A00**	IC	NE5532DR	IC	OP AMP		01
IC7	**X5049A0R**	IC	NJM4556AM-TE1	IC	OP AMP		02
L4	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
L5	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
L100	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R1	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R4	**RD35627R**	CARBON RESISTOR (CHIP)	2.7K 63M J RECT.	チップ抵抗			01
R8	**RD357220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R9	**RD356560**	CARBON RESISTOR (CHIP)	5.6K 63M J RECT.	チップ抵抗			01
R10	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R15	**RD356560**	CARBON RESISTOR (CHIP)	5.6K 63M J RECT.	チップ抵抗			01
R16	**RD358100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
R19	**RD357220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R20	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R22	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
R23	**RD357220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R24	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
R25	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
R26	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R27	**RD358100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
R28	**RD357220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R29	**RD156390**	CARBON RESISTOR (CHIP)	3.9K 1/4 J TP	チップ抵抗			
R31	**RD358100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01

✻: New Parts

RANK: Japan only

AJACK/HP/MOD/PB

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
R32	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
R34	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R35	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R37	**RD35627R**	CARBON RESISTOR (CHIP)	2.7K 63M J RECT.	チップ抵抗			01
R38	**RD357150**	CARBON RESISTOR (CHIP)	15.0K 63M J RECT.	チップ抵抗			01
R40	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R44	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R45	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R46	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R47	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R48	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R49	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R51	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R53	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R57	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R58	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R60	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
-65	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R66	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R67	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R68	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R69	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R72	**RD358100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
R73	**RD355221**	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チップ抵抗			01
R74	**RD355221**	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チップ抵抗			01
R75	**RD358100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
R76	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R77	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R78	**RD355560**	CARBON RESISTOR (CHIP)	560.0 63M J RECT.	チップ抵抗			01
R79	**RD355560**	CARBON RESISTOR (CHIP)	560.0 63M J RECT.	チップ抵抗			01
R80	**RD356390**	CARBON RESISTOR (CHIP)	3.9K 63M J RECT.	チップ抵抗			01
R81	**RD356390**	CARBON RESISTOR (CHIP)	3.9K 63M J RECT.	チップ抵抗			01
R82	**RD355221**	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チップ抵抗			01
R83	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R84	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R85	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
-87	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R88	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
R89	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
R91	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R92	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R96	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R97	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R99	**RD355100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R100	**RD358100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
-102	**RD358100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
R150	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
R151	**RD356470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
TR1	**VV556400**	TRANSISTOR	2SC2412K Q,R,S TP	トランジスタ			01
TR2	**VV556400**	TRANSISTOR	2SC2412K Q,R,S TP	トランジスタ			01
TR4	**VV556400**	TRANSISTOR	2SC2412K Q,R,S TP	トランジスタ			01
TR7	**VV556500**	TRANSISTOR	2SA1037AK Q,R,S TP	トランジスタ 2SA			01
TR8	**VD303700**	TRANSISTOR	2SC3326 A,B(TE85R)	トランジスタ 2SC			01
TR9	**VD303700**	TRANSISTOR	2SC3326 A,B(TE85R)	トランジスタ 2SC			01
C18	**UR838100**	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケミコン			01
C26	**UR866100**	ELECTROLYTIC CAPACITOR	1.00 50.0V RX TP	ケミコン			01
C33	**UR837470**	ELECTROLYTIC CAPACITOR	47.00 16.0V RX TP	ケミコン			01
C39	**UR866100**	ELECTROLYTIC CAPACITOR	1.00 50.0V RX TP	ケミコン			01
C41	**UR866470**	ELECTROLYTIC CAPACITOR	4.70 50.0V RX TP	ケミコン			01
C44	**UR838100**	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケミコン			01
C47	**UR838100**	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケミコン			01
C48	**UR866100**	ELECTROLYTIC CAPACITOR	1.00 50.0V RX TP	ケミコン			01
C54	**UR838100**	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケミコン			01
C60	**UR867100**	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケミコン			01
-63	**UR867100**	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケミコン			01
C66	**UR867100**	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケミコン			01
C67	**UR867100**	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケミコン			01
C82	**UR837470**	ELECTROLYTIC CAPACITOR	47.00 16.0V RX TP	ケミコン			01
C88	**UN867100**	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	BP ケミコン			01
C89	**UN867100**	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	BP ケミコン			01

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
C93	**UN848220**	ELECTROLYTIC CAPACITOR BP	220.00 25.0V RX TP	ＢＰケミコン			01
C94	**UN848220**	ELECTROLYTIC CAPACITOR BP	220.00 25.0V RX TP	ＢＰケミコン			01
C95	**UN867100**	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	ＢＰケミコン			01
C96	**UN867100**	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	ＢＰケミコン			01
C103	**UR866470**	ELECTROLYTIC CAPACITOR	4.70 50.0V RX TP	ケミコン			01
C109	**UR866100**	ELECTROLYTIC CAPACITOR	1.00 50.0V RX TP	ケミコン			01
C131	**UR838100**	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケミコン			01
L8	**GE300670**	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ			02
L9	**GE300670**	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ			02
L21	**VB835000**	COIL	20UH FL05RD200AT	コイル２０Ｕ			01
L22	**VB835000**	COIL	20UH FL05RD200AT	コイル２０Ｕ			01
L23	**GE300670**	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ			02
L24	**VB835000**	COIL	20UH FL05RD200AT	コイル２０Ｕ			01
L27	**VB835000**	COIL	20UH FL05RD200AT	コイル２０Ｕ			01
L28	**GE300670**	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ			02
L200	**VB835000**	COIL	20UH FL05RD200AT	コイル２０Ｕ			01
L201	**VB835000**	COIL	20UH FL05RD200AT	コイル２０Ｕ			01
D2	**VD631600**	DIODE	1SS133,176,HSS104	ダイオード			01
-4	**VD631600**	DIODE	1SS133,176,HSS104	ダイオード			01
D7	**VD631600**	DIODE	1SS133,176,HSS104	ダイオード			01
-15	**VD631600**	DIODE	1SS133,176,HSS104	ダイオード			01
J1	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
J2	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
J101	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
J102	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
L15	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
-20	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
L29	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
L30	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
L202	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
R90	**HF45433R**	CARBON RESISTOR	33.0 1/4 J AX TP	カーボン抵抗			01
R93	**HF45433R**	CARBON RESISTOR	33.0 1/4 J AX TP	カーボン抵抗			01
R94	**HF454220**	CARBON RESISTOR	22.0 1/4 J AX TP	カーボン抵抗			01
R95	**HF454220**	CARBON RESISTOR	22.0 1/4 J AX TP	カーボン抵抗			01
R200	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
R201	**--**	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)		
*	**WZ493400**	CIRCUIT BOARD	DM	ＤＭシート	(YD846C0)		
	--	PIN JACK PLATE		ピンジャック金具	(ZA59800)		
	WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	Ｂタイト＋ＢＩＮＤ			01
C532	**UN838220**	ELECTROLYTIC CAPACITOR BP	220.00 16.0V RX TP	ＢＰケミコン			01
CN402	**V6802600**	CONNECTOR	USB 4P SE	ＵＳＢジャック	TO HOST		02
CN403	**WK450700**	CONNECTOR	USB YKF45-0033N 4P SE	ＵＳＢコネクタ	TO DEVICE		01
CN403	**WH382500**	CONNECTOR	USB UAR27-4K2J00	ＵＳＢコネクタ			01
CN901	**VL845000**	CONNECTOR	XH 6P TE	ベーステキポスト			01
CN902	**VL844900**	CONNECTOR	XH 5P TE	ベーステキポスト			01
CN903	**VL844800**	CONNECTOR	XH 4P TE	ベーステキポスト			01
JK1	**VJ10720R**	DIN CONNECTOR	5P YKF51-5050N	ＤＩＮコネクタ	MIDI OUT		01
JK1	**VZ085800**	DIN CONNECTOR	5P HDC-052SP-01	ＤＩＮコネクタ			01
JK2	**VJ10720R**	DIN CONNECTOR	5P YKF51-5050N	ＤＩＮコネクタ	MIDI IN		01
JK2	**VZ085800**	DIN CONNECTOR	5P HDC-052SP-01	ＤＩＮコネクタ			01
JK402	**V9643000**	PIN CONNECTOR	1P YE YKC21-3893V	ピンジャック１Ｐ	VIDEO OUT		01
JK402	**ZA586800**	PIN CONNECTOR	1P MSP-241V1-02-NI-ABS	ピンコネクタ１Ｐ			
C3	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C4	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C7	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C8	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C14	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C17	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
C19	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C23	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C26	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C27	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C32	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-34	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C35	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C36	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-38	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C44	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C45	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
C46	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C47	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C85	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-93	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C96	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-104	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C106	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-115	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C117	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-125	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C128	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C129	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C141	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C142	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C202	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C204	**WD758100**	CERAMIC CAPACITOR (CHIP)	22U 6.3V M RECT.	チップセラ			01
C205	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-209	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C212	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C213	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C234	**WD758100**	CERAMIC CAPACITOR (CHIP)	22U 6.3V M RECT.	チップセラ			01
C235	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-265	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C267	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C271	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C275	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C277	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C280	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-287	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C289	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-291	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C293	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-297	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C331	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C332	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-345	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C354	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C355	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-368	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C369	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C427	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C430	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C437	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C438	**US661330**	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チップセラ（ＣＨ）			
-446	**US661330**	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チップセラ（ＣＨ）			
C452	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C453	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C456	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-458	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C465	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C471	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C472	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C473	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C477	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-479	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C484	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C488	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C495	**WG251600**	CERAMIC CAPACITOR (CHIP)	4.7 6.3V K RECT.	チップセラ			01
C496	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C503	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C504	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C506	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C507	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C513	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-515	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C517	**US661470**	CERAMIC CAPACITOR (CHIP)	47P 50V J RECT.	チップセラ（ＣＨ）			01
C518	**US660500**	CERAMIC CAPACITOR (CHIP)	5P 50V C RECT.	チップセラ（ＣＨ）			01
C519	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C520	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C527	**US661150**	CERAMIC CAPACITOR (CHIP)	15P 50V J RECT.	チップセラ（ＣＨ）			01

✻: New Parts

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
C528	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C604	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（CH）			
C606	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（CH）			
C617	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C618	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C621	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C622	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C625	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C626	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C631	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-633	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C634	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C635	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C638	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C639	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C640	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-676	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C679	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-696	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C699	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-717	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C723	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C726	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C735	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C736	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C802	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-806	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C856	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C858	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C863	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C864	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C871	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C872	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C927	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（CH）			
C934	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（CH）			
C937	**WN110600**	MONOLITHIC CERAMIC CAP(CHIP)	4.700 25V K KAKUTE	チップ積層セラコン			01
C980	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（CH）			
C988	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（CH）			
C999	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
IC3	**X2377A0R**	IC	SN74LV21APWR	IC	AND		01
IC5	**XV890B0R**	IC	TC74VHC14FT(EL,K)	IC	INVERTER		01
IC9	**X3693A01**	IC	SN74LV245APWR	IC	TRANSCEIVER		05
IC10	**XV893A0R**	IC	TC74VHC139FT(EL)	IC	DECODER		02
* IC16	**YE195C00**	IC	MX29LV640EBTI-70G	IC	FLASH ROM 64M BOOT PRG.		
IC17	**X2377A0R**	IC	SN74LV21APWR	IC	AND		01
IC18	**X8506A01**	IC	TC74VHC123AFT EL,K	IC	SINGLE SHOT		02
IC19	**XR680A00**	IC	TC7SH08FU(TE85L,JF)	IC	AND		01
IC23	**X9697B00**	IC	MX29LV640EBTI-70G	IC	FLASH ROM 64M BACKUP		07
IC25	**XR680A00**	IC	TC7SH08FU(TE85L,JF)	IC	AND		01
IC26	**X5825A00**	IC	SN74LVC1G32DCKR	IC	OR GATE		01
* IC202	**YE196D00**	IC	H27U4G8F2DTR-BC	IC	FLASH ROM 4G MAIN PRG.		
* IC202	**YF033C00**	IC	TC58NVG2S3ETA00B3H	IC			
IC204	**X6970D00**	IC	M12L128168A-7TG2L	IC	SDRAM 128M		05
IC205	**X6970D00**	IC	M12L128168A-7TG2L	IC	SDRAM 128M		05
IC410	**YD235A00**	IC	R5524N002A-TR-FE	IC	USB HIGH-SIDE POWER SW		02
IC411	**XS062A00**	IC	BH7236AF-E2	IC	RGB ENCODER		04
* IC602	**YE197B00**	IC	JS28F00AM29EWLA	IC	WAVE ROM-H 1G		
* IC606	**YE198B00**	IC	JS28F00AM29EWLA	IC	WAVE ROM-L 1G		
* IC610	**YE199B00**	IC	MX29LV160DBTI-70G	IC	PROGRAM ROM 16M		
L402	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ			01
R1	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R2	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R3	**RD456100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R5	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R20	**RD454100**	CARBON RESISTOR (CHIP)	10.0 63M J RECT.	チップ抵抗			01
R21	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R22	**RD456100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R24	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R25	**RD45547R**	CARBON RESISTOR (CHIP)	470.0 63M J RECT.	チップ抵抗			01
R26	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01

*: New Parts

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
R31	**RD454330**	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チップ抵抗			01
R33	**RD456100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R34	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R36	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R38	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R39	**RD45427R**	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チップ抵抗			01
-44	**RD45427R**	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チップ抵抗			01
R46	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-48	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R50	**RD45427R**	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チップ抵抗			01
-53	**RD45427R**	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チップ抵抗			01
R55	**RD45427R**	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チップ抵抗			01
-58	**RD45427R**	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チップ抵抗			01
R59	**RD454330**	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チップ抵抗			01
R60	**RD454330**	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チップ抵抗			01
R62	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R63	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R67	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R68	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R80	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R82	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R85	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R86	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R88	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R89	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R90	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R91	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R96	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R99	**RD458470**	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チップ抵抗			
R102	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R103	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R105	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R107	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R108	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R112	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R113	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R117	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R118	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R123	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R124	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R126	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R128	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R130	**RD454330**	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チップ抵抗			01
R132	**RD456560**	CARBON RESISTOR (CHIP)	5.6K 63M J RECT.	チップ抵抗			01
R141	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R146	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R147	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R149	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R150	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R201	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-205	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R211	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R212	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R213	**RD454390**	CARBON RESISTOR (CHIP)	39.0 63M J RECT.	チップ抵抗			01
-216	**RD454390**	CARBON RESISTOR (CHIP)	39.0 63M J RECT.	チップ抵抗			01
R217	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R218	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R219	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
-224	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R225	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R232	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-240	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R243	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-247	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R248	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R249	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R250	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R251	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R282	**RD456220**	CARBON RESISTOR (CHIP)	2.2K 63M J RECT.	チップ抵抗			01
R439	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
-444	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R446	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
-449	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R453	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R460	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R461	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R504	**RF455100**	CARBON RESISTOR (CHIP)	100.0 D RECT.	チップ抵抗			
R507	**RF455100**	CARBON RESISTOR (CHIP)	100.0 D RECT.	チップ抵抗			
R513	**RF454820**	CARBON RESISTOR (CHIP)	82.0 D RECT.	チップ抵抗			01
R516	**RF454820**	CARBON RESISTOR (CHIP)	82.0 D RECT.	チップ抵抗			01
R517	**RF454750**	CARBON RESISTOR (CHIP)	75.0 D RECT.	チップ抵抗			
-522	**RF454750**	CARBON RESISTOR (CHIP)	75.0 D RECT.	チップ抵抗			
R523	**RD455560**	CARBON RESISTOR (CHIP)	560.0 63M J RECT.	チップ抵抗			
R524	**RD456390**	CARBON RESISTOR (CHIP)	3.9K 63M J RECT.	チップ抵抗			
R525	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R527	**RD456220**	CARBON RESISTOR (CHIP)	2.2K 63M J RECT.	チップ抵抗			01
R529	**RF454750**	CARBON RESISTOR (CHIP)	75.0 D RECT.	チップ抵抗			
R535	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R539	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R540	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R543	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R601	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R604	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R606	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R618	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R619	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R620	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R658	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R659	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R660	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R690	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R692	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R693	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
-695	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R845	**RD456680**	CARBON RESISTOR (CHIP)	6.8K 63M J RECT.	チップ抵抗			01
R904	**RD253100**	CARBON RESISTOR (CHIP)	1.0 0.1 J RECT.	チップ抵抗			01
R910	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R912	**RD457150**	CARBON RESISTOR (CHIP)	15.0K 63M J RECT.	チップ抵抗			01
R916	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
R924	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R929	**RD253100**	CARBON RESISTOR (CHIP)	1.0 0.1 J RECT.	チップ抵抗			01
R932	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R937	**RD357220**	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チップ抵抗			01
R955	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R956	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
RA35	**WH216700**	RESISTOR ARRAY	0 X 4	抵抗アレイ			01
-52	**WH216700**	RESISTOR ARRAY	0 X 4	抵抗アレイ			01
RA55	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
-58	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
RA201	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA202	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA205	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
-208	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA211	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA212	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA217	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
RA218	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
RA222	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA223	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA224	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
RA225	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
RA226	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
-228	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
RA229	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
RA230	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
RA231	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA232	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA233	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
-235	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
RA236	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			

✻: New Parts

RANK: Japan only

DM

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
RA237	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA429	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
-432	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
RA611	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
-614	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
RA624	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
-627	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
RA645	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
-648	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
RA666	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
-669	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
RA672	**WH213400**	RESISTOR ARRAY	47K X 4	抵抗アレイ			01
-675	**WH213400**	RESISTOR ARRAY	47K X 4	抵抗アレイ			01
TA401	**V273190R**	PAIR TRANSISTOR	IMX9	ペアトランジスタ			01
C9	**WG427500**	MONOLITHIC CERAMIC CAP(CHIP)	0.15 25V B 1608 TP	チップ積層セラコン			
C13	**US634100**	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チップセラ（B）			01
C15	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C18	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C20	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-22	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C24	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C25	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C29	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C30	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C40	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C41	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C48	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-53	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C55	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C56	**US664100**	CERAMIC CAPACITOR (CHIP)	0.010 50V Z RECT.	チップセラ（F）			01
C61	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-84	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C94	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C95	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C105	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C116	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C126	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C127	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C130	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-140	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C143	**US634100**	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チップセラ（B）			01
C144	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C145	**US634100**	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チップセラ（B）			01
C146	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C203	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C211	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C214	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-233	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C266	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C268	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-270	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C272	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-274	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C276	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C278	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C279	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C288	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C292	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C311	**WD758100**	CERAMIC CAPACITOR (CHIP)	22U 6.3V M RECT.	チップセラ			01
C312	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-318	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C319	**WD758100**	CERAMIC CAPACITOR (CHIP)	22U 6.3V M RECT.	チップセラ			01
C320	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
-324	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C325	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C327	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C328	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01
C330	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C346	**WD758100**	CERAMIC CAPACITOR (CHIP)	22U 6.3V M RECT.	チップセラ			01
C347	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（BJ）			01

✻: New Parts

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
-353	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C413	**US661330**	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チップセラ（ＣＨ）			
-417	**US661330**	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チップセラ（ＣＨ）			
C421	**US661330**	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チップセラ（ＣＨ）			
-426	**US661330**	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チップセラ（ＣＨ）			
C450	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C451	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C454	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C455	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C459	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C460	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C461	**US661120**	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チップセラ（ＣＨ）			
C462	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C463	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C464	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C466	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C467	**US661150**	CERAMIC CAPACITOR (CHIP)	15P 50V J RECT.	チップセラ（ＣＨ）			01
C468	**US661120**	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チップセラ（ＣＨ）			
C469	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C470	**US661120**	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チップセラ（ＣＨ）			
C474	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-476	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C480	**US661680**	CERAMIC CAPACITOR (CHIP)	68P 50V J RECT.	チップセラ（ＣＨ）			
C481	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C482	**US663150**	CERAMIC CAPACITOR (CHIP)	1500P 50V K RECT.	チップセラ（Ｂ）			
C483	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C485	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C486	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C487	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C489	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-491	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C493	**US660800**	CERAMIC CAPACITOR (CHIP)	8P 50V D RECT.	チップセラ（ＣＨ）			01
C494	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C497	**US661120**	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チップセラ（ＣＨ）			
C498	**US661120**	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チップセラ（ＣＨ）			
C499	**US660800**	CERAMIC CAPACITOR (CHIP)	8P 50V D RECT.	チップセラ（ＣＨ）			01
C500	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C501	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C505	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C508	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-512	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C516	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C521	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C522	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-525	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C526	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（Ｂ）			01
C529	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C530	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C531	**WV584900**	ELECTROLYTIC CAPACITOR	150.00 10.0V CHIP	ケミコンＲＶＤ			01
C533	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C611	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C613	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C619	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C620	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C623	**US661150**	CERAMIC CAPACITOR (CHIP)	15P 50V J RECT.	チップセラ（ＣＨ）			01
C624	**US661150**	CERAMIC CAPACITOR (CHIP)	15P 50V J RECT.	チップセラ（ＣＨ）			01
C627	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-630	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C636	**US661100**	CERAMIC CAPACITOR (CHIP)	10P 50V D RECT.	チップセラ（ＣＨ）			01
C637	**US661100**	CERAMIC CAPACITOR (CHIP)	10P 50V D RECT.	チップセラ（ＣＨ）			01
C677	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C678	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C720	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C721	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C722	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C727	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-731	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C732	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C733	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C734	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（ＣＨ）			

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
C801	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C816	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C817	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C819	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C820	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C821	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C822	**WD758300**	CERAMIC CAPACITOR (CHIP)	10U 10V K RECT.	チップセラ			01
C824	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C825	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C826	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C827	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
-830	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C831	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C832	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C833	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C834	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C836	**UF06610R**	ELECTROLYTIC CAPACITOR(CHIP)	1 50V	チップケミコン			01
C837	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
-840	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C841	**US663150**	CERAMIC CAPACITOR (CHIP)	1500P 50V K RECT.	チップセラ（Ｂ）			
C842	**US663150**	CERAMIC CAPACITOR (CHIP)	1500P 50V K RECT.	チップセラ（Ｂ）			
C843	**US661560**	CERAMIC CAPACITOR (CHIP)	56P 50V J RECT.	チップセラ（ＣＨ）			01
C844	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
C845	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
C846	**US662470**	CERAMIC CAPACITOR (CHIP)	470P 50V K RECT.	チップセラ（Ｂ）			01
C847	**US662470**	CERAMIC CAPACITOR (CHIP)	470P 50V K RECT.	チップセラ（Ｂ）			01
C848	**US662390**	CERAMIC CAPACITOR (CHIP)	390P 50V K RECT.	チップセラ（Ｂ）			
C849	**US662390**	CERAMIC CAPACITOR (CHIP)	390P 50V K RECT.	チップセラ（Ｂ）			
C850	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（Ｂ）			
C851	**US662390**	CERAMIC CAPACITOR (CHIP)	390P 50V K RECT.	チップセラ（Ｂ）			
C852	**US662390**	CERAMIC CAPACITOR (CHIP)	390P 50V K RECT.	チップセラ（Ｂ）			
C853	**US662220**	CERAMIC CAPACITOR (CHIP)	220P 50V K RECT.	チップセラ（Ｂ）			01
C854	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
C855	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
C857	**US662100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ（ＣＨ）			
C859	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C860	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C861	**UF03747R**	ELECTROLYTIC CAPACITOR(CHIP)	47 16V	チップケミコン			01
C862	**UF06610R**	ELECTROLYTIC CAPACITOR(CHIP)	1 50V	チップケミコン			01
C865	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C866	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C867	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C868	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C869	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C870	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C874	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
-876	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C877	**UF13822R**	ELECTROLYTIC CAPACITOR(CHIP)	220 16V	チップケミコン			01
C878	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C879	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
-882	**UF037100**	ELECTROLYTIC CAPACITOR(CHIP)	10 16V	チップケミコン			01
C883	**US625100**	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ（ＢＪ）			01
C900	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
-902	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C903	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（Ｂ）			01
C904	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C905	**WH046600**	MONOLITHIC CERAMIC CAP(CHIP)	47 16V K 3225	チップ積層セラコン			03
C906	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C909	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（Ｂ）			01
C910	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（Ｂ）			01
C911	**WQ574000**	ELECTROLYTIC CAPACITOR(CHIP)	100 25V RVS-25V101	チップケミコン			01
C912	**US661120**	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チップセラ（ＣＨ）			
C914	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C915	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（Ｂ）			01
C916	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（Ｂ）			01
C917	**US662680**	CERAMIC CAPACITOR (CHIP)	680P 50V K RECT.	チップセラ（Ｂ）			
C918	**US661120**	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チップセラ（ＣＨ）			
C919	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（Ｂ）			01
C920	**US634100**	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チップセラ（Ｂ）			01
C921	**US643470**	CERAMIC CAPACITOR (CHIP)	4700P 25V K RECT.	チップセラ（Ｂ）			01

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	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	C922	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C923	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C925	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C926	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C928	**WF547900**	CERAMIC CAPACITOR (CHIP)	10.000 25V K KAKUT	チップセラ			01
	C929	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	-933	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C935	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C936	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C938	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	-941	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C942	**WF547900**	CERAMIC CAPACITOR (CHIP)	10.000 25V K KAKUT	チップセラ			01
	C943	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C945	**US643470**	CERAMIC CAPACITOR (CHIP)	4700P 25V K RECT.	チップセラ（B）			01
	C946	**US661120**	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チップセラ（CH）			
	C947	**US634100**	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チップセラ（B）			01
	C948	**US662560**	CERAMIC CAPACITOR (CHIP)	560P 50V K RECT.	チップセラ（B）			01
	C949	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
	C950	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
	C951	**WH046600**	MONOLITHIC CERAMIC CAP(CHIP)	47 16V K 3225	チップ積層セラコン			03
	C953	**US661120**	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チップセラ（CH）			
	C957	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C958	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
*	C959	**ZC041800**	ELECTROLYTIC CAPACITOR	220.00 25.0V	チップケミコン CL			
	C960	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C961	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C962	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（B）			01
	C963	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（B）			01
	C964	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C966	**WN110600**	MONOLITHIC CERAMIC CAP(CHIP)	4.700 25V K KAKUTE	チップ積層セラコン			01
	C967	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C968	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（B）			01
	C969	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（B）			01
	C970	**WU539500**	CERAMIC CAPACITOR (CHIP)	10.0000 16V M KAKU	チップセラ			01
	C973	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C974	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（B）			01
	C975	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	-978	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C979	**US046100**	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チップセラ（B）			01
	C981	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C982	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C985	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C986	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C989	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C992	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	-997	**V8085400**	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップセラ（B）			01
	C998	**US663100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
	CN3	**WB560100**	CONNECTOR	ZH 6P TE	ベースピン			01
	CN401	**V9864300**	CONNECTOR	FFC 52559 33P TE	FFCコネクタ			02
	CN601	**VT388800**	CONNECTOR	PH 7P TE	ベース付ポスト			
	CN602	**WB560200**	CONNECTOR	ZH 7P TE	ベースピン			01
	CN801	**WB560600**	CONNECTOR	ZH 11P TE	ベースピン			02
	CN802	**WB559800**	CONNECTOR	ZH 3P TE	ベースピン			01
	CN904	**WB559900**	CONNECTOR	ZH 4P TE	ベースピン			01
	D1	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			01
	-3	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			01
	D201	**VT53250R**	DIODE	1SR154-400 TE-25	ダイオード			01
	D605	**VT53250R**	DIODE	1SR154-400 TE-25	ダイオード			01
	D606	**VT53250R**	DIODE	1SR154-400 TE-25	ダイオード			01
	D801	**VT53250R**	DIODE	1SR154-400 TE-25	ダイオード			01
	D901	**V6267600**	DIODE	RB051L-40 TP	ダイオード			01
	D902	**V6267600**	DIODE	RB051L-40 TP	ダイオード			01
	D903	**WM940400**	DIODE	RB070M-30TR TP	ダイオード			01
	EM601	**WE94560R**	EMI FILTER (CHIP)	NFM21CC223R1H3D	エミフィルチップ			01
	EM602	**WE94560R**	EMI FILTER (CHIP)	NFM21CC223R1H3D	エミフィルチップ			01
	IC1	**--**	IC	R8A77310D333BG	IC	CPU (YC170A0)		
	IC4	**X7701A00**	IC	BU4229G-TR	IC	SYSYTEM RESET		01
	IC6	**X3693A01**	IC	SN74LV245APWR	IC	TRANSCEIVER		05
	-8	**X3693A01**	IC	SN74LV245APWR	IC	TRANSCEIVER		05
	IC11	**X3693A01**	IC	SN74LV245APWR	IC	TRANSCEIVER		05

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	REF NO.	PART NO.	DESCRIPTION	部品名	REMARKS	QTY	RANK
	-13	**X3693A01**	IC	SN74LV245APWR	TRANSCEIVER		05
	IC15	**XY806A0R**	IC	TC7WH14FU(TE12L,F)	INVERTER		02
	IC21	**X5825A00**	IC	SN74LVC1G32DCKR	OR GATE		01
	IC22	**VR90370R**	PHOTO COUPLER	HCPL-M600-500E	フォトカプラ		04
	IC24	**YC019A00**	IC	S-80944CNNB-G9ET2G	SYSYTEM RESET		01
	IC27	**X7701A00**	IC	BU4229G-TR	SYSYTEM RESET		01
	IC206	**X6970D00**	IC	M12L128168A-7TG2L	SDRAM 128M		05
	IC207	**X6970D00**	IC	M12L128168A-7TG2L	SDRAM 128M		05
*	IC208	**YD932A00**	IC	RP131H121D-T1-FE	REGULATOR +1.2V		
	IC209	**X4943D00**	IC	W9825G6JH-6	SDRAM 256M		
	IC403	**X4063A00**	IC	TC7WHU04FU	INVERTER		
	-405	**X4063A00**	IC	TC7WHU04FU	INVERTER		
*	IC406	**YD546A00**	IC	UPD720150GK-9EU-A	USB CONTROLLER		
	IC407	**X6356B00**	IC	YGV628B-VZ	RGB CONTROLLER		11
	IC408	**X6536A0R**	IC	TC74ACT74FT(EL)	D-FF		02
	IC409	**X2080A00**	IC	SN74AHCT1G32DCKR	OR		01
	IC409	**XW814A0R**	IC	TC7SET32FU(TE85L,F)			01
	IC409	**YE501A00**	IC	HD74LV1GT32ACME-E			
	IC412	**X2590C00**	IC	W9816G6IH-7	SDRAM 16M		04
	IC601	**--**	IC	T6TJ3XBG-0001(O)	SWP51L (X8940A0)		
	IC603	**X2080A00**	IC	SN74AHCT1G32DCKR	OR		01
	IC603	**XW814A0R**	IC	TC7SET32FU(TE85L,F)			01
	IC603	**YE501A00**	IC	HD74LV1GT32ACME-E			
	IC604	**YA492A00**	IC	GTL2002DP	LOW VOLTAGE TRANSLATOR		
	IC607	**--**	IC	UPD800500F1-011-KN	SSP2 (YC706A0)		09
	IC609	**X2590C00**	IC	W9816G6IH-7	SDRAM 16M		04
	IC613	**XZ414F00**	IC	W9864G6JH-6	SDRAM 64M		03
*	IC619	**YD933A00**	IC	RP131H151D-T1-FE	REGULATOR +1.5V		
*	IC620	**YD933A00**	IC	RP131H151D-T1-FE	REGULATOR +1.5V		
	IC801	**X8324A00**	IC	AK4396VF-E2	DAC		06
	IC802	**X5219A0R**	IC	AK5381VT-E2	ADC		05
	IC803	**X5219A0R**	IC	AK5381VT-E2	ADC		05
*	IC804	**YD413A00**	IC	R1190H050B-T1-FE	REGULATOR +5V		
	IC805	**X5482A00**	IC	NE5532DR	OP AMP		01
	-808	**X5482A00**	IC	NE5532DR	OP AMP		01
*	IC900	**YD652A00**	IC	YDA164C-QZE2	DIGITAL AMP		
*	IC901	**YD652A00**	IC	YDA164C-QZE2	DIGITAL AMP		
*	IC902	**YD766A00**	IC	ISL85033IRTZ-T	DC-DC CONVERTER		
*	IC904	**YD867A00**	IC	BD6590MUV-E2	DC-DC CONVERTER		
	L1	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ		01
	-4	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ		01
	L403	**WG834800**	COIL	DLW21HN900SQ2L	コイル		01
	L404	**WG834800**	COIL	DLW21HN900SQ2L	コイル		01
	L601	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ		01
	-606	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ		01
	L801	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ		01
	-806	**WK139000**	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ		01
*	L900	**WZ540200**	CHIP INDUCTANCE	10U DER7052-100M-R	チップインダクタ		
	L901	**WM459400**	CHIP INDUCTANCE	BLM18PG121SN1D 160	チップインダクタ		01
	L902	**WM459400**	CHIP INDUCTANCE	BLM18PG121SN1D 160	チップインダクタ		01
*	L903	**WZ556000**	CHIP INDUCTANCE	7.5U DER7052-7R5N	チップインダクタ		
*	L904	**WZ540200**	CHIP INDUCTANCE	10U DER7052-100M-R	チップインダクタ		
*	-907	**WZ540200**	CHIP INDUCTANCE	10U DER7052-100M-R	チップインダクタ		
*	L908	**WZ556000**	CHIP INDUCTANCE	7.5U DER7052-7R5N	チップインダクタ		
	L910	**WM459400**	CHIP INDUCTANCE	BLM18PG121SN1D 160	チップインダクタ		01
	L911	**WM459400**	CHIP INDUCTANCE	BLM18PG121SN1D 160	チップインダクタ		01
*	L912	**WZ540200**	CHIP INDUCTANCE	10U DER7052-100M-R	チップインダクタ		
*	-914	**WZ540200**	CHIP INDUCTANCE	10U DER7052-100M-R	チップインダクタ		
	L916	**WT550300**	CHIP INDUCTANCE	4.7U 7E06NB-4R7N-R	チップインダクタ		01
	R6	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗		01
	-13	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗		01
	R14	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗		01
	R15	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗		01
	R28	**RD455680**	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チップ抵抗		01
	R32	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗		01
	R69	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗		01
	-71	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗		01
	R75	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗		01
	R76	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗		01
	R77	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗		01

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
R78	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R81	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R83	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R87	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R92	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-95	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R97	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R101	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R109	**RD45522R**	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チップ抵抗			01
R110	**RD456100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R119	**RD45522R**	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チップ抵抗			01
R120	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R121	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R129	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R133	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-135	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R137	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R138	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R140	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R142	**RA156560**	METAL FILM RESISTOR (CHIP)	5.6K 63M D RECT.	チップ金被抵抗			
R143	**RA156220**	METAL FILM RESISTOR (CHIP)	2.2K 63M D RECT.	チップ金被抵抗			
* R144	**RA155470**	METAL FILM RESISTOR (CHIP)	470.0 63M D RECT.	チップ金被抵抗			
R145	**RD456390**	CARBON RESISTOR (CHIP)	3.9K 63M J RECT.	チップ抵抗			
R148	**RD455680**	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チップ抵抗			01
R206	**RD45427R**	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チップ抵抗			01
R207	**RD45427R**	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チップ抵抗			01
R208	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R209	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R210	**RD35410R**	CARBON RESISTOR (CHIP)	10.0 63M J RECT.	チップ抵抗			01
R226	**RD454390**	CARBON RESISTOR (CHIP)	39.0 63M J RECT.	チップ抵抗			01
-229	**RD454390**	CARBON RESISTOR (CHIP)	39.0 63M J RECT.	チップ抵抗			01
R230	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R231	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R241	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R242	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R252	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-256	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R257	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R258	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R259	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-265	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R266	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R267	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R268	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R269	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R270	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R271	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-277	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R278	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
-280	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R281	**RD454390**	CARBON RESISTOR (CHIP)	39.0 63M J RECT.	チップ抵抗			01
R417	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
-427	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R456	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R457	**RD354680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R458	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R459	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R462	**RD456560**	CARBON RESISTOR (CHIP)	5.6K 63M J RECT.	チップ抵抗			01
R464	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R465	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R472	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
-474	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R475	**RD459100**	CARBON RESISTOR (CHIP)	1.0M 63M J RECT.	チップ抵抗			01
R476	**RD456100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R477	**RD459100**	CARBON RESISTOR (CHIP)	1.0M 63M J RECT.	チップ抵抗			01
R478	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R479	**RD454330**	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チップ抵抗			01
R480	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R481	**RD456100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R482	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01

*: New Parts

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
R483	**RD45547R**	CARBON RESISTOR (CHIP)	470.0 63M J RECT.	チップ抵抗			01
R485	**RD45427R**	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チップ抵抗			01
R486	**RD45427R**	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チップ抵抗			01
R487	**RD454330**	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チップ抵抗			01
R488	**RA156680**	METAL FILM RESISTOR (CHIP)	6.8K 63M D RECT.	チップ金被抵抗			01
R489	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R490	**RF45616R**	CARBON RESISTOR (CHIP)	1.6K D RECT.	チップ抵抗			01
R491	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R494	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R495	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R496	**RD455680**	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チップ抵抗			01
R497	**RD459100**	CARBON RESISTOR (CHIP)	1.0M 63M J RECT.	チップ抵抗			01
R498	**RD455330**	CARBON RESISTOR (CHIP)	330.0 63M J RECT.	チップ抵抗			01
R500	**RD454330**	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チップ抵抗			01
R501	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R502	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R503	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R505	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R506	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R508	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R509	**RF454750**	CARBON RESISTOR (CHIP)	75.0 D RECT.	チップ抵抗			
R510	**RD35527R**	CARBON RESISTOR (CHIP)	270.0 63M J RECT.	チップ抵抗			01
R511	**RF454750**	CARBON RESISTOR (CHIP)	75.0 D RECT.	チップ抵抗			
R512	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R514	**RF454750**	CARBON RESISTOR (CHIP)	75.0 D RECT.	チップ抵抗			
R515	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R526	**RD456220**	CARBON RESISTOR (CHIP)	2.2K 63M J RECT.	チップ抵抗			01
R528	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R534	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R536	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
-538	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R541	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R542	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R544	**RD456270**	CARBON RESISTOR (CHIP)	2.7K 63M J RECT.	チップ抵抗			01
R545	**RD456220**	CARBON RESISTOR (CHIP)	2.2K 63M J RECT.	チップ抵抗			01
R605	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R607	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-613	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R615	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R616	**RD45615R**	CARBON RESISTOR (CHIP)	1.5K 63M J RECT.	チップ抵抗			01
R621	**RD45615R**	CARBON RESISTOR (CHIP)	1.5K 63M J RECT.	チップ抵抗			01
R622	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-624	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R626	**RD458220**	CARBON RESISTOR (CHIP)	220.0K 63M J RECT.	チップ抵抗			01
R627	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
-631	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R632	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-635	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R636	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R637	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R638	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R639	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R641	**RD354680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R642	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R643	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R644	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R645	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R647	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R648	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R650	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R651	**RD459100**	CARBON RESISTOR (CHIP)	1.0M 63M J RECT.	チップ抵抗			01
R654	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R655	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R656	**RD45615R**	CARBON RESISTOR (CHIP)	1.5K 63M J RECT.	チップ抵抗			01
R661	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-664	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R666	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
-669	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
R670	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R671	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01

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	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	-681	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R684	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R685	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R686	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
	R687	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R691	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R697	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R698	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R699	**RD45547R**	CARBON RESISTOR (CHIP)	470.0 63M J RECT.	チップ抵抗			01
	R700	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R701	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R702	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
	R703	**RD45747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
	R704	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	-706	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R713	**RD458470**	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チップ抵抗			
	R715	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R716	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R717	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R801	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
	R802	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R803	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R805	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R806	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
	R807	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R808	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R809	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R810	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R811	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
	R814	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	-817	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R818	**RD455680**	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チップ抵抗			01
*	R819	**RA156270**	METAL FILM RESISTOR (CHIP)	2.7K 63M D RECT.	チップ金被抵抗			
*	-822	**RA156270**	METAL FILM RESISTOR (CHIP)	2.7K 63M D RECT.	チップ金被抵抗			
*	R823	**RA156820**	METAL FILM RESISTOR (CHIP)	8.2K 63M D RECT.	チップ金被抵抗			
*	-825	**RA156820**	METAL FILM RESISTOR (CHIP)	8.2K 63M D RECT.	チップ金被抵抗			
	R826	**RA156180**	METAL FILM RESISTOR (CHIP)	1.8K 63M D RECT.	チップ金被抵抗			01
	R827	**RA156180**	METAL FILM RESISTOR (CHIP)	1.8K 63M D RECT.	チップ金被抵抗			01
*	R828	**RA156820**	METAL FILM RESISTOR (CHIP)	8.2K 63M D RECT.	チップ金被抵抗			
	R829	**RA156180**	METAL FILM RESISTOR (CHIP)	1.8K 63M D RECT.	チップ金被抵抗			01
	R830	**RA156180**	METAL FILM RESISTOR (CHIP)	1.8K 63M D RECT.	チップ金被抵抗			01
	R831	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R832	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R833	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R834	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R835	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R836	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R837	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
	R838	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
	R839	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
	R840	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R841	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R842	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
	R843	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
	R844	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
	R846	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R847	**RD454680**	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チップ抵抗			01
	R848	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R849	**RD456470**	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チップ抵抗			01
	R850	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R851	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
	R852	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
	R900	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	-903	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
	R905	**RA156330**	METAL FILM RESISTOR (CHIP)	3.3K 63M D RECT.	チップ金被抵抗			01
	R906	**RA157510**	METAL FILM RESISTOR (CHIP)	51.0K 63M D RECT.	チップ金被抵抗			01
	R907	**RA157100**	METAL FILM RESISTOR (CHIP)	10.0K 63M D RECT.	チップ金被抵抗			01
	R908	**RD458150**	CARBON RESISTOR (CHIP)	150.0K 63M J RECT.	チップ抵抗			01
	R914	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
	R915	**RD457560**	CARBON RESISTOR (CHIP)	56.0K 63M J RECT.	チップ抵抗			01

*: New Parts

RANK: Japan only

DM

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
R919	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R920	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R922	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
R923	**RA157100**	METAL FILM RESISTOR (CHIP)	10.0K 63M D RECT.	チップ金被抵抗			01
R925	**RA157270**	METAL FILM RESISTOR (CHIP)	27.0K 63M D RECT.	チップ金被抵抗			01
R926	**RA156470**	METAL FILM RESISTOR (CHIP)	4.7K 63M D RECT.	チップ金被抵抗			01
R927	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R928	**RD454470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R930	**RD457330**	CARBON RESISTOR (CHIP)	33.0K 63M J RECT.	チップ抵抗			01
R931	**RD359220**	CARBON RESISTOR (CHIP)	2.2M 63M J RECT.	チップ抵抗			01
R933	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R934	**RD458100**	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チップ抵抗			01
R936	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R938	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R939	**RD457270**	CARBON RESISTOR (CHIP)	27.0K 63M J RECT.	チップ抵抗			01
R941	**RD457100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R945	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
-949	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R950	**RD45000R**	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R951	**RD457330**	CARBON RESISTOR (CHIP)	33.0K 63M J RECT.	チップ抵抗			01
R953	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
R954	**RD455100**	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			01
RA1	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
-10	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
RA13	**WH209400**	RESISTOR ARRAY	1.0K X 4	抵抗アレイ			
RA15	**WH213400**	RESISTOR ARRAY	47K X 4	抵抗アレイ			01
RA16	**WH213400**	RESISTOR ARRAY	47K X 4	抵抗アレイ			01
RA17	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
-22	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA23	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
-30	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
RA31	**WH216700**	RESISTOR ARRAY	0 X 4	抵抗アレイ			01
RA32	**WH216700**	RESISTOR ARRAY	0 X 4	抵抗アレイ			01
RA53	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			01
RA54	**WH213400**	RESISTOR ARRAY	47K X 4	抵抗アレイ			01
RA203	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA204	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA209	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA210	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA213	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA214	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA215	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
RA216	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
RA219	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
-221	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA238	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA239	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA240	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
-242	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
RA243	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
-246	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA247	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
-249	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
RA250	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA251	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
RA252	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
RA253	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
RA254	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
-256	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
RA257	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
RA258	**WH206000**	RESISTOR ARRAY	39 X 4	抵抗アレイ			01
RA405	**WH207400**	RESISTOR ARRAY	150 X 4	抵抗アレイ			01
-408	**WH207400**	RESISTOR ARRAY	150 X 4	抵抗アレイ			01
RA409	**WH216700**	RESISTOR ARRAY	0 X 4	抵抗アレイ			01
-413	**WH216700**	RESISTOR ARRAY	0 X 4	抵抗アレイ			01
RA414	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
-417	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
RA418	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
-424	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
RA425	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			

✻: New Parts

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DM and PNC/PNL/PNR

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	-428	**WH205600**	RESISTOR ARRAY	27 X 4	抵抗アレイ			
	RA601	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-610	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA615	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-618	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA620	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
	-623	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
	RA628	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-637	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA638	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
	-641	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
	RA642	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-644	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA649	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-665	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA670	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA671	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	RA676	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	-679	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
	X1	**WT761100**	QUARTZ CRYSTAL UNIT	16.000MHz SG-9001LB	水晶発振器			06
*	X4	**ZC182000**	QUARTZ CRYSTAL UNIT	32.768K KC3215A	水晶発振器			
	X405	**WQ282500**	QUARTZ CRYSTAL UNIT	25.175MHz DSX321G	水晶振動子			03
	X406	**WM285000**	QUARTZ CRYSTAL UNIT	14.31818MHz DSX321G	水晶振動子			02
	X407	**WM285100**	QUARTZ CRYSTAL UNIT	17.734475MHz DSX321G	水晶振動子			02
	X408	**WG415900**	QUARTZ CRYSTAL UNIT	DSX321G 30MHz	水晶振動子			03
	X601	**WM135300**	QUARTZ CRYSTAL UNIT	11.2896MHz DSX321G	水晶振動子			03
	X602	**WV566200**	QUARTZ CRYSTAL UNIT	12.288MHz DSX321G	水晶振動子			02
*		**WZ560900**	CIRCUIT BOARD	PNC	PNCシート	(WZ55980)(YD938C0)		
*		**WZ561000**	CIRCUIT BOARD	PNL	PNLシート	(WZ55980)(YD938C0)		
*		**WZ560300**	CIRCUIT BOARD	PNR	PNRシート	(WZ55980)(YD938C0)		
	LD1	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	ACMP		01
	LD2	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	INTRO I		01
	LD3	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	FADE IN/OUT		01
	LD4	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	INTRO II		01
	LD5	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	OTS LINK		01
	LD6	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	INTRO III		01
	LD7	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	AUTO FILL IN		01
	LD8	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	MAIN VARIATION A		01
	LD9	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	MAIN VARIATION B		01
	LD10	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	MAIN VARIATION D		01
	LD11	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	MAIN VARIATION C		01
	LD12	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	BREAK		01
	LD13	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	ENDING/rit. I		01
	LD14	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	ENDING/rit. II		01
	LD15	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	ENDING/rit. III		01
	LD16	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	SYNC STOP		01
	LD17	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	1 (REGISTRATION MEMORY)		01
	LD18	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	SYNC START		01
	LD19	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	2 (REGISTRATION MEMORY)		01
	LD20	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	START/STOP		01
	LD21	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	3 (REGISTRATION MEMORY)		01
	LD22	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	4 (REGISTRATION MEMORY)		01
	LD23	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	5 (REGISTRATION MEMORY)		01
	LD24	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	6 (REGISTRATION MEMORY)		01
	LD25	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップLED	FREEZE		01
	LD26	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	7 (REGISTRATION MEMORY)		01
	LD27	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	8 (REGISTRATION MEMORY)		01
	LD51	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	1 (MULTI PAD CONTROL)		01
	LD52	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	2 (MULTI PAD CONTROL)		01
	LD53	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	3 (MULTI PAD CONTROL)		01
	LD54	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	4 (MULTI PAD CONTROL)		01
	LD55	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	1 (ONE TOUCH SETTING)		01
	LD56	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	2 (ONE TOUCH SETTING)		01
	LD57	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	3 (ONE TOUCH SETTING)		01
	LD58	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ2色LED	4 (ONE TOUCH SETTING)		01
	C1	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ(F)			01
	CN1	**WC199900**	CONNECTOR	FFC/FPC 52808 29P TE	FFC/FPCコネクタ			02
	CN3	**WB560200**	CONNECTOR	ZH 7P TE	ベースピン			01
	CN4	**WC19910R**	CONNECTOR	FFC/FPC 52808 16P TE	FFC/FPCコネクタ			01

*: New Parts

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PNC/PNL/PNR and PNM/PNS

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	CN11	**WC195200**	CONNECTOR	FFC/FPC 52808 14P TE	ＦＦＣ／ＦＰＣコネクタ			01
	D1	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
	-30	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
	D131	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
	-142	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
*		**WZ560100**	CIRCUIT BOARD	PNM	ＰＮＭシート	(WZ50830)(YD937C0)		
*		**WZ560200**	CIRCUIT BOARD	PNS	ＰＮＳシート	(WZ50830)(YD937C0)		
*	EC1	**WZ590700**	ENCODER	EC12E24204A2	１２形エンコーダ	Data entry		
	VR2	**VQ67050R**	ROTARY VR	B10K RK11K1130A0M	ロータリーボリューム	MASTER VOLUME		02
*	VR2	**ZA926800**	ROTARY VR	1B 10.0K XV012111Y	ロータリーＶＲ			
	LD1	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	REC (SONG)		01
	LD2	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	REPEAT (SONG)		01
	LD3	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	POP&ROCK (STYLE)		01
	LD4	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	BALLAD (STYLE)		01
	LD5	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	DANCE (STYLE)		01
	LD6	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ２色ＬＥＤ	MIC SETTING/VOCAL HARMONY		01
	LD7	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ２色ＬＥＤ	EXTRA TR (SONG)		01
	LD8	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	SWING&JASS (STYLE)		01
	LD9	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	R&B (STYLE)		01
	LD10	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	COUNTRY (STYLE)		01
	LD11	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ２色ＬＥＤ	TR2 (SONG)		01
	LD12	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ２色ＬＥＤ	PLAY/PAUSE (SONG)		01
	LD13	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	LATIN (STYLE)		01
	LD14	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	BALLROOM (STYLE)		01
	LD15	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	MOVIE&SHOW (STYLE)		01
	LD16	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	GUIDE (SONG)		01
	LD17	**WJ491600**	LED (CHIP) AMBER/Y.GREEN	BL-HJFGE36J-TRB	チップ２色ＬＥＤ	TR1 (SONG)		01
	LD18	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	METRONOME		01
	LD19	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	ENTERTAINER (STYLE)		01
	LD20	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	WORLD (STYLE)		01
	LD21	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	EXPANSION/USER (STYLE)		01
	LD22	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	LEFT HOLD (PART ON/OFF)		01
	LD23	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	LEFT (PART ON/OFF)		01
	LD24	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	HARMONY/ECHO (VOICE CONTROL)		01
	LD25	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	RIGHT1 (PART ON/OFF)		01
	LD26	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	TOUCH (VOICE CONTROL)		01
	LD27	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	PIANO (VOICE)		01
	LD28	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	E.PIANO (VOICE)		01
	LD29	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	STRINGS (VOICE)		01
	LD30	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	RIGHT2 (PART ON/OFF)		01
	LD31	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	SUSTAIN (VOICE CONTROL)		01
	LD32	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	GUITAR&BASS (VOICE)		01
	LD33	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	SAXOPHONE (VOICE)		01
	LD34	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	FLUTE&WOODWING (VOICE)		01
	LD35	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	LEFT (PART SELECT)		01
	LD36	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	MONO (VOICE CONTROL)		01
	LD37	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	ORGAN (VOICE)		01
	LD38	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	TRUMPET (VOICE)		01
	LD39	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	BRASS (VOICE)		01
	LD40	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	RIGHT1 (PART SELECT)		01
	LD41	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	DSP (VOICE CONTROL)		01
	LD42	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	ACCORDION&HARMONICA (VOICE)		01
	LD43	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	CHOIR&PAD (VOICE)		01
	LD44	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	SYNTH&FX (VOICE)		01
	LD45	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	RIGHT2 (PART SELECT)		01
	LD46	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	USB		01
	LD47	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	VARI. (VOICE CONTROL)		01
	LD48	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	PERC.&DRUM KIT (VOICE)		01
	LD49	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	ORGAN FLUTE (VOICE)		01
	LD50	**WJ491700**	LED (CHIP) AMBER	BL-HJF36J-TRB	チップＬＥＤ	EXPANSION/USER (VOICE)		01
	C1	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（Ｆ）			01
	C2	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（Ｆ）			01
	C3	**UF12847R**	ELECTROLYTIC CAPACITOR(CHIP)	470 10V	チップケミコン			02
	C8	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ（ＳＬ）			01
	-21	**US062470**	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チップセラ（ＳＬ）			01
	C24	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
	-27	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（Ｂ）			01
	C28	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（Ｆ）			01
	C29	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（Ｆ）			01

*: New Parts

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PNM/PNS

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
C31	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C32	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C33	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C34	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
-36	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C37	**UF03810R**	ELECTROLYTIC CAPACITOR(CHIP)	100 16V	チップケミコン			01
C39	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C43	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（B）			
C44	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（B）			
C45	**US661330**	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チップセラ（CH）			
C46	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（B）			
C47	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（B）			
C50	**US661330**	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チップセラ（CH）			
C51	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C52	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C53	**US063100**	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ（B）			01
C54	**WG888300**	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン			01
C55	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C56	**US664100**	CERAMIC CAPACITOR (CHIP)	0.010 50V Z RECT.	チップセラ（F）			01
-62	**US664100**	CERAMIC CAPACITOR (CHIP)	0.010 50V Z RECT.	チップセラ（F）			01
C65	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C67	**US14510R**	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C68	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（B）			
-79	**US662330**	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チップセラ（B）			
CN1	**VT389000**	CONNECTOR	PH 9P TE	ベース付ポスト			01
CN2	**WB560300**	CONNECTOR	ZH 8P TE	ベースピン			
CN3	**WC199900**	CONNECTOR	FFC/FPC 52808 29P TE	FFC／FPCコネクタ			02
CN4	**WC199900**	CONNECTOR	FFC/FPC 52808 29P TE	FFC／FPCコネクタ			02
CN6	**WC19910R**	CONNECTOR	FFC/FPC 52808 16P TE	FFC／FPCコネクタ			01
CN7	**WC199900**	CONNECTOR	FFC/FPC 52808 29P TE	FFC／FPCコネクタ			02
CN8	**WC195200**	CONNECTOR	FFC/FPC 52808 14P TE	FFC／FPCコネクタ			01
D1	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
-10	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
D30	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
-130	**WG139300**	DIODE	KDS4148U-RTK/P TE	ダイオード			
EM1	**WE05620R**	EMI FILTER (CHIP)	NFM21PC105B1A3D	エミフィルチップ			01
EM2	**WE05620R**	EMI FILTER (CHIP)	NFM21PC105B1A3D	エミフィルチップ			01
FT1	**V807480R**	FET	MCH6616-TL-E TAPE	FET			02
-5	**V807480R**	FET	MCH6616-TL-E TAPE	FET			02
FT1	**ZA683700**	FET	US6K1TR	FET			01
-5	**ZA683700**	FET	US6K1TR	FET			01
* FT1	**ZA777500**	FET	US6K4TR TAPE	FET			
* -5	**ZA777500**	FET	US6K4TR TAPE	FET			
* IC1	**YD841B00**	IC	TMP89FW24AFG-7KH4	IC	E-PNS3a		
L1	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
L2	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
L3	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
L4	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R3	**RD155120**	CARBON RESISTOR (CHIP)	120.0 1/4 J TP	チップ抵抗			01
R4	**RD15518R**	CARBON RESISTOR (CHIP)	180.0 1/4 J TP	チップ抵抗			01
-8	**RD15518R**	CARBON RESISTOR (CHIP)	180.0 1/4 J TP	チップ抵抗			01
R9	**RD155120**	CARBON RESISTOR (CHIP)	120.0 1/4 J TP	チップ抵抗			01
R10	**RD15518R**	CARBON RESISTOR (CHIP)	180.0 1/4 J TP	チップ抵抗			01
-12	**RD15518R**	CARBON RESISTOR (CHIP)	180.0 1/4 J TP	チップ抵抗			01
R13	**RD155120**	CARBON RESISTOR (CHIP)	120.0 1/4 J TP	チップ抵抗			01
R14	**RD15518R**	CARBON RESISTOR (CHIP)	180.0 1/4 J TP	チップ抵抗			01
R15	**RD155120**	CARBON RESISTOR (CHIP)	120.0 1/4 J TP	チップ抵抗			01
R16	**RD15518R**	CARBON RESISTOR (CHIP)	180.0 1/4 J TP	チップ抵抗			01
R22	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R23	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R24	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R25	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R26	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R27	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R29	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R30	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R32	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R33	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R34	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R35	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01

*: New Parts

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PNM/PNS and EMKS61A and MK-H and MK-L

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
-41	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R42	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R43	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R46	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R47	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R48	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R49	**RD35747R**	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チップ抵抗			01
R50	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R51	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R52	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R53	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R54	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R55	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R56	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R57	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R58	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R59	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R60	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R61	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R62	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
-64	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R65	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R66	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R67	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R68	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R69	**RD357100**	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チップ抵抗			01
R71	**RD358470**	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チップ抵抗			01
-76	**RD358470**	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チップ抵抗			01
R77	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
RA1	**WH213400**	RESISTOR ARRAY	47K X 4	抵抗アレイ			01
-4	**WH213400**	RESISTOR ARRAY	47K X 4	抵抗アレイ			01
TR1	**WB12320R**	TRANSISTOR ARRAY	IMB10A T110	トランジスタアレイ			05
-7	**WB12320R**	TRANSISTOR ARRAY	IMB10A T110	トランジスタアレイ			05
	WF310500	CIRCUIT BOARD	EMKS61A(E-BUS)	EMKS61Aシート	(WF31010)(X6637C0)		08
	--	ANTI-VIBRATION TAPE	10X64X0.5	防振テープ	(VK34680)		
C0001	**US135100**	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チップセラ(F)			01
C0002	**UF03810R**	ELECTROLYTIC CAPACITOR(CHIP)	100 16V	チップケミコン			01
C0003	**US064100**	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チップセラ(B)			01
C0004	**US135100**	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チップセラ(F)			01
C0005	**US135100**	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チップセラ(F)			01
C0006	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
-0028	**US062100**	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チップセラ(SL)			01
CN001	**VB39030R**	CONNECTOR	PH 7P TE	ベーススポスト			01
CN002	**VK02560R**	CONNECTOR	52147 12P TE	ワイヤートラップ			01
CN003	**VK024900**	CONNECTOR	52147 5P TE	ワイヤートラップ			01
CN004	**VK025100**	CONNECTOR	52147 7P TE	ワイヤートラップ			01
D0001	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			01
-0003	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			01
IC001	**X003120R**	IC	UPD780031AYGK-N04	IC	LKS		05
J0002	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R0001	**RD356100**	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			01
R0002	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R0003	**RD354470**	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R0005	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
R0006	**RD350001**	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			01
RA001	**V809080R**	RESISTOR ARRAY	RGLE12X103J	抵抗アレイ			01
* RA001	**WZ219100**	RESISTOR ARRAY	RKC12BSD103J	抵抗アレイ			
X0001	**V615050R**	CERAMIC RESONATOR	8.38MHz EFOS8384E5	セラミック振動子			01
X0001	**WU956300**	CERAMIC RESONATOR	8.38MHz CSTCC8M38G56	セラミック振動子			01
	VU648200	CIRCUIT BOARD	MK-H	MK-Hシート	(VU64800)(XR565C0)		09
	VB941200	DIODE	1SS133,1SS176 TE-5	ダイオード	A#3-C6	54	01
	VK02560R	CONNECTOR	52147 12P TE	ワイヤートラップ			01
	VK024900	CONNECTOR	52147 5P TE	ワイヤートラップ			01
	VU648101	CIRCUIT BOARD	MK-L	MK-Lシート	(VU64790)(XR564C0)		08
	VB941200	DIODE	1SS133,1SS176 TE-5	ダイオード	C1-A3	68	01
	VK02560R	CONNECTOR	52147 12P TE	ワイヤートラップ		2	01
	VK025100	CONNECTOR	52147 7P TE	ワイヤートラップ			01

✻: New Parts

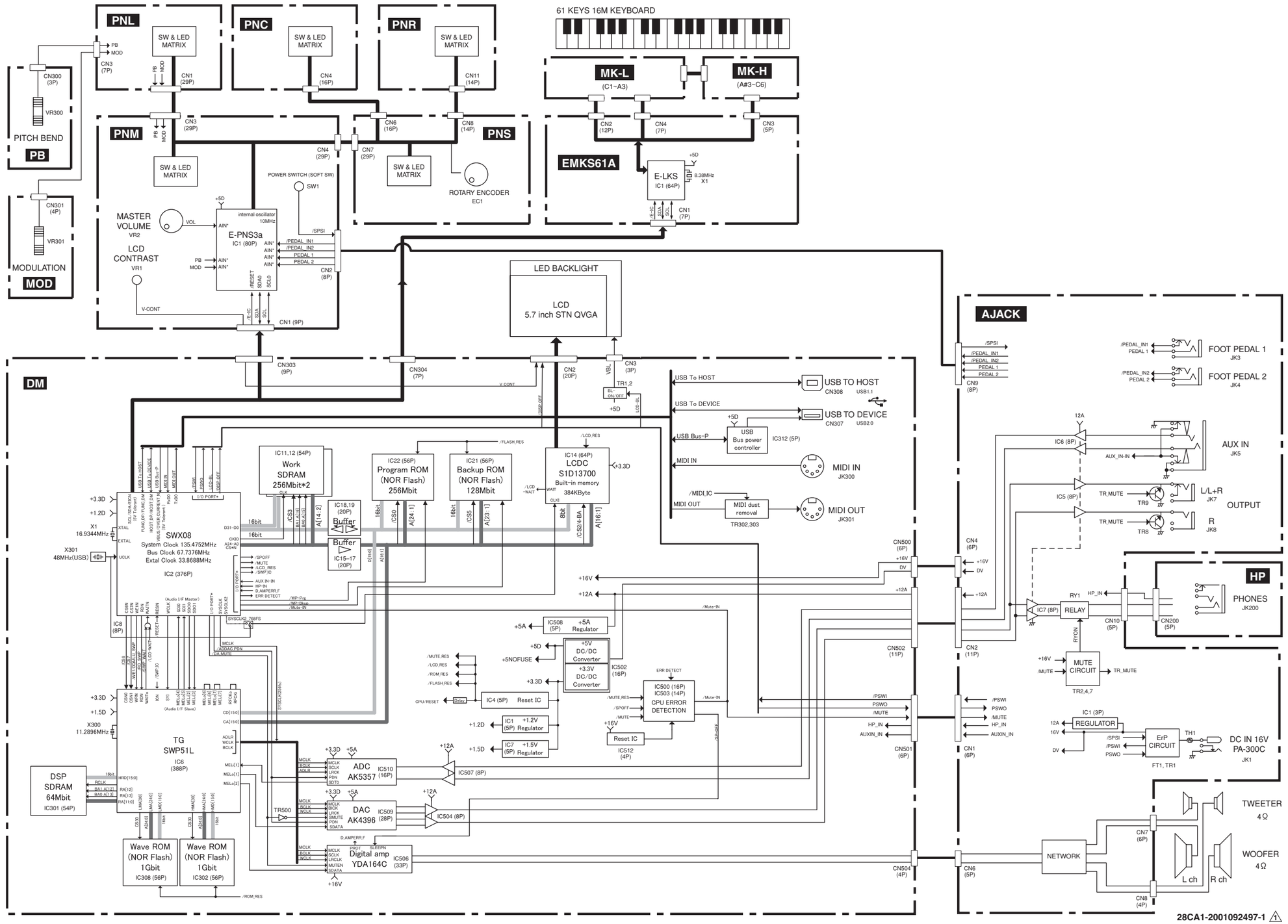
RANK: Japan only

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
*		**YE177A00**	SPEAKER	13.0cm 4ohm 35W	スピーカ	WOOFER	2	
*		**YE179A00**	SPEAKER	2.5cm 4ohm 20W	スピーカ	TWEETER	2	
*		**WZ590800**	CRYSTAL DISPLAY	COM57T5M52GSC	液晶ディスプレイ			

*: New Parts

RANK: Japan only

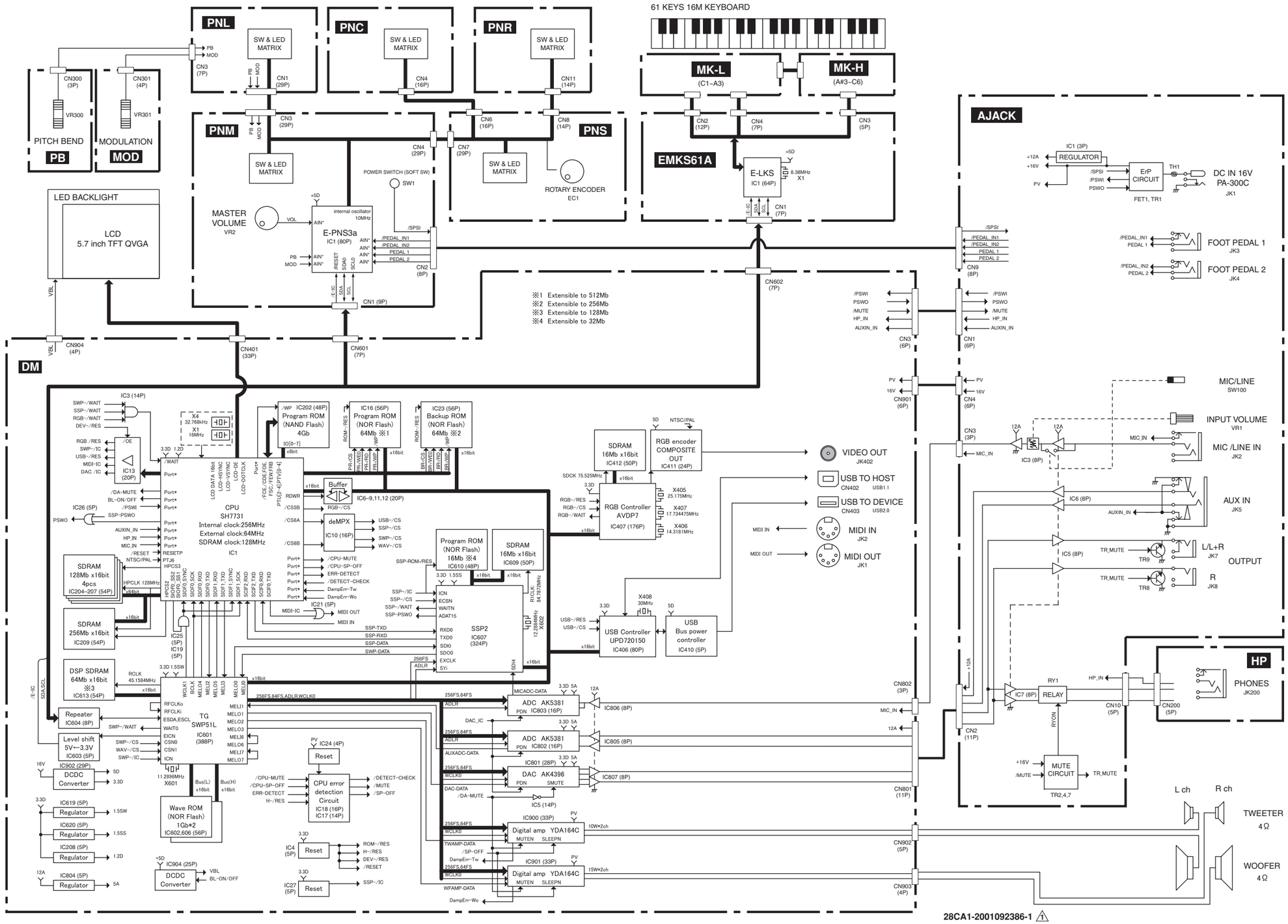
■ PSR-S750 BLOCK DIAGRAM



28CA1-2001092497-1 ⚠1

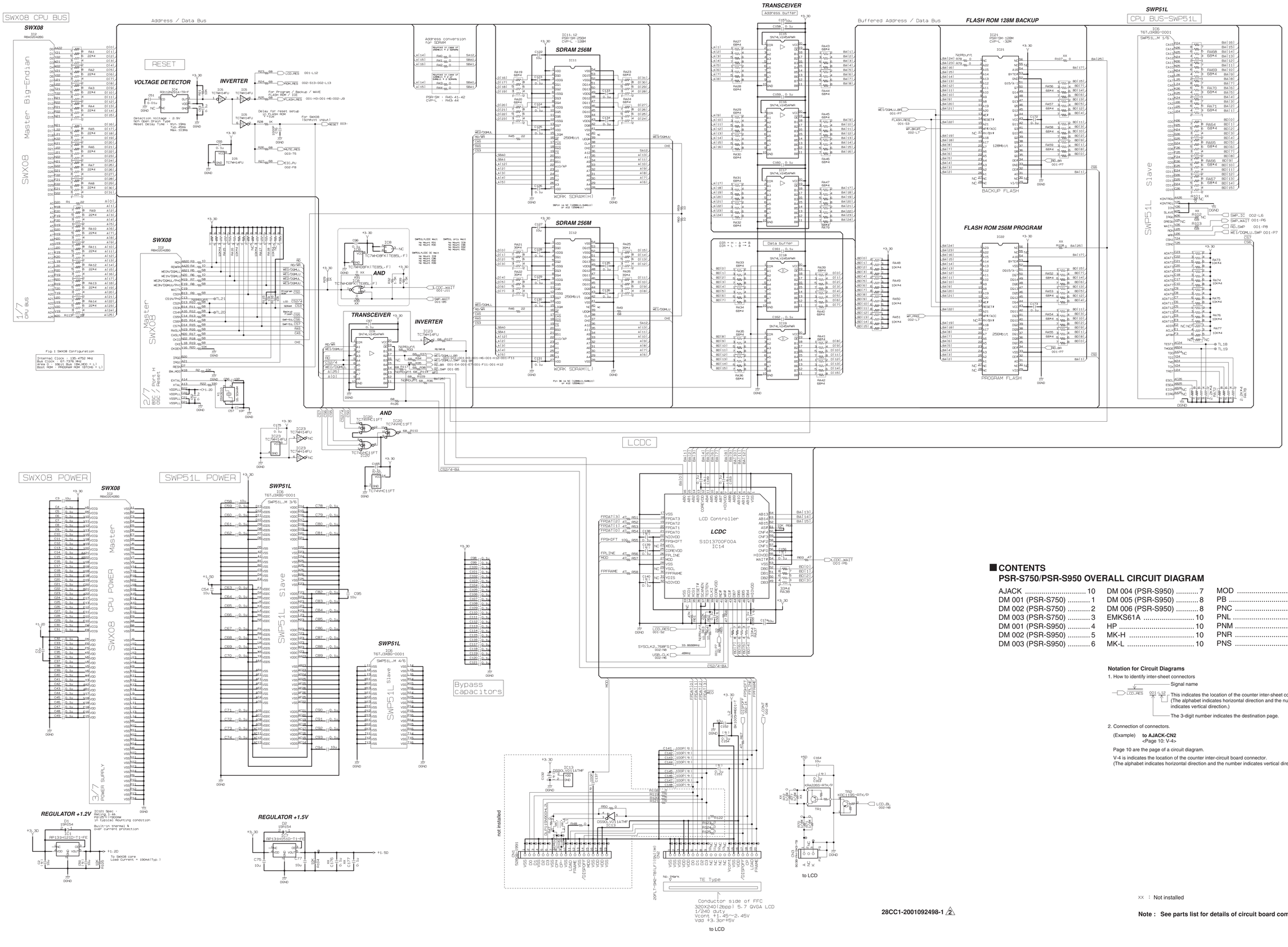
■ PSR-S750 BLOCK DIAGRAM

■ PSR-S950 BLOCK DIAGRAM



■ PSR-S950 BLOCK DIAGRAM

PSR-S750 DM 001 CIRCUIT DIAGRAM (1/11)



■ CONTENTS

PSR-S750/PSR-S950 OVERALL CIRCUIT DIAGRAM

Notation for Circuit Diagrams

1. How to identify inter-sheet connectors

2. Connection of connectors.

(Example) **to AJACK-CN2**
<Page 10: V-4>

Page 10 are the page of a circuit diagram.

V-4 is indicates the location of the counter inter-circuit board connector. (The alphabet indicates horizontal direction and the number indicates vertical direction.)

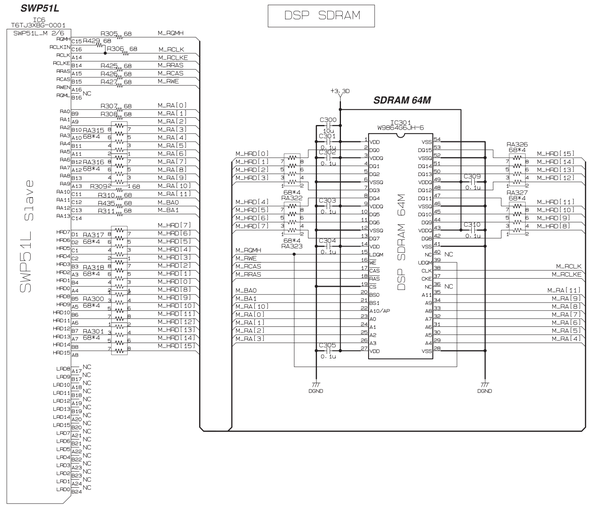
XX : Not installed

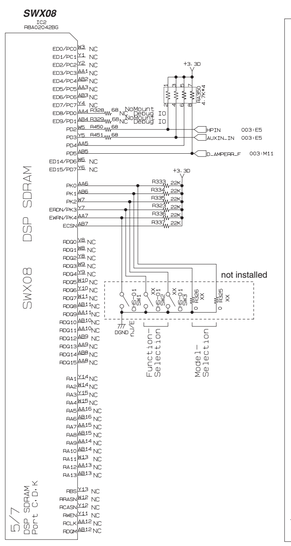
Note : See parts list for details of circuit board component parts.

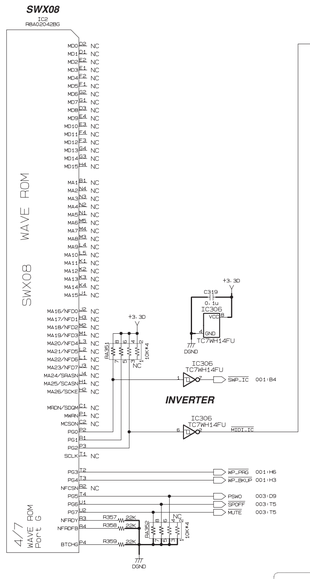
28CC1-2001092498-1 /2

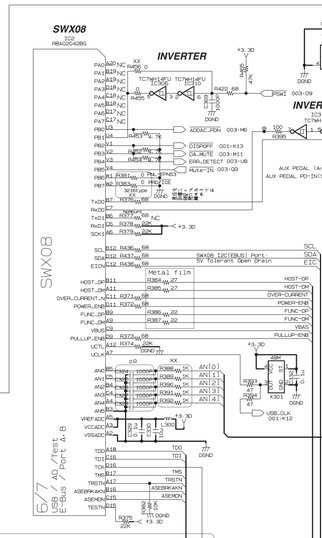
PSR-S750

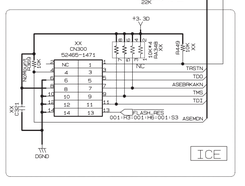
■ PSR-S750 DM 002 CIRCUIT DIAGRAM (2/11)

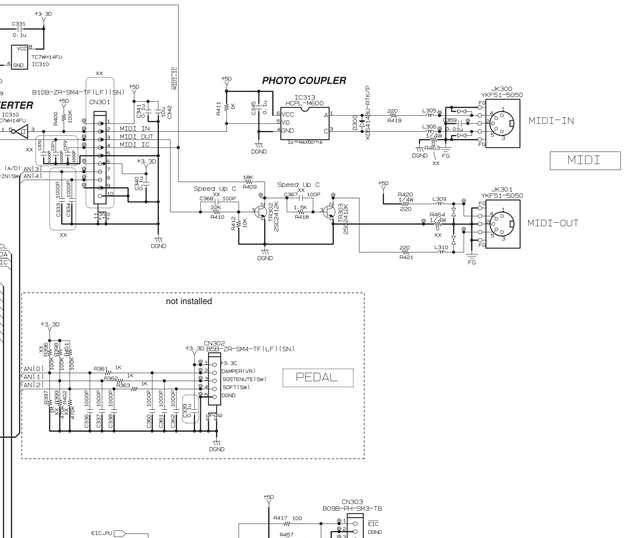


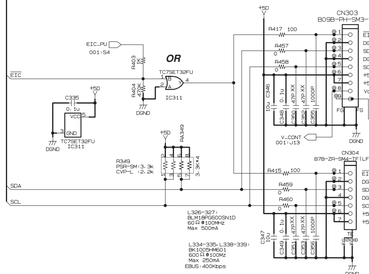


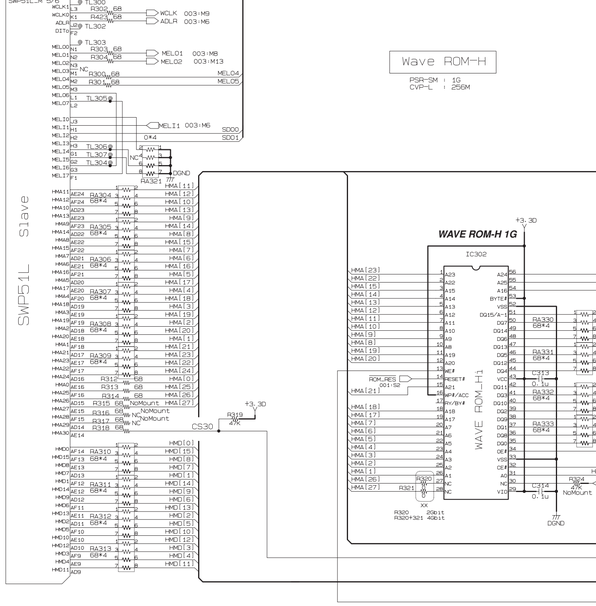


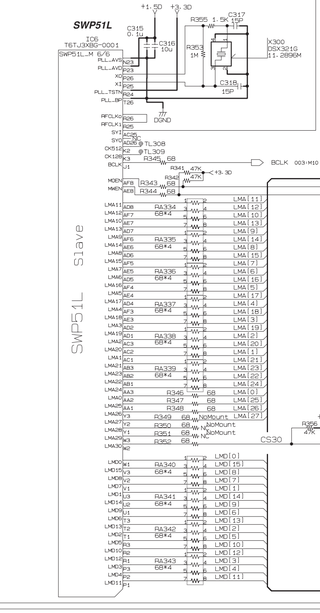


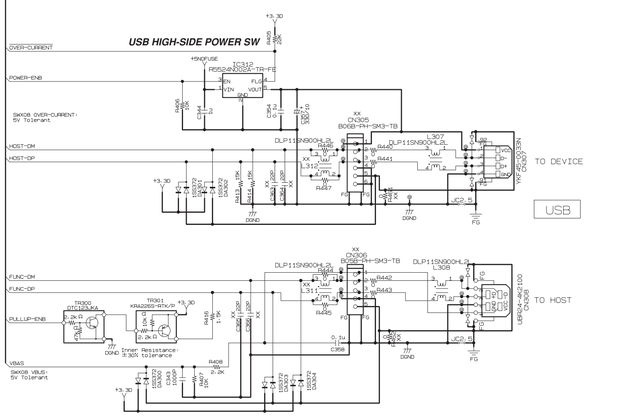








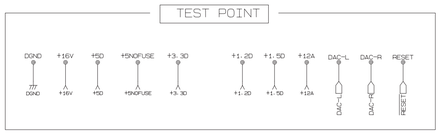


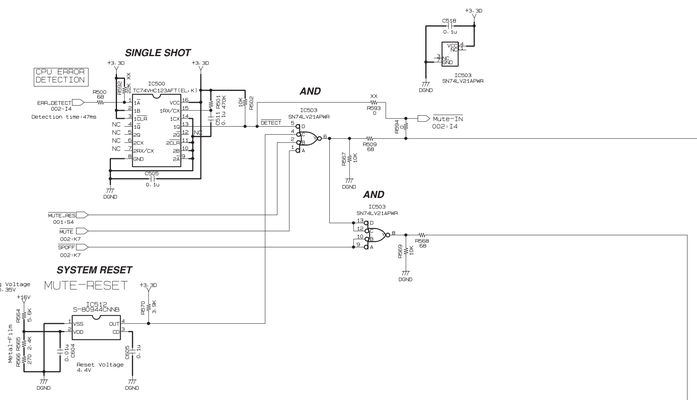


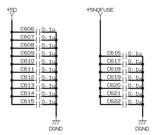
XX : Not installed

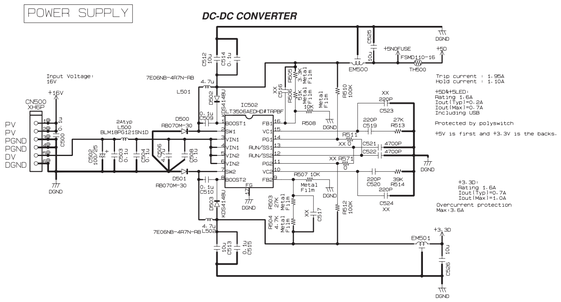
Note : See parts list for details of circuit board component parts.

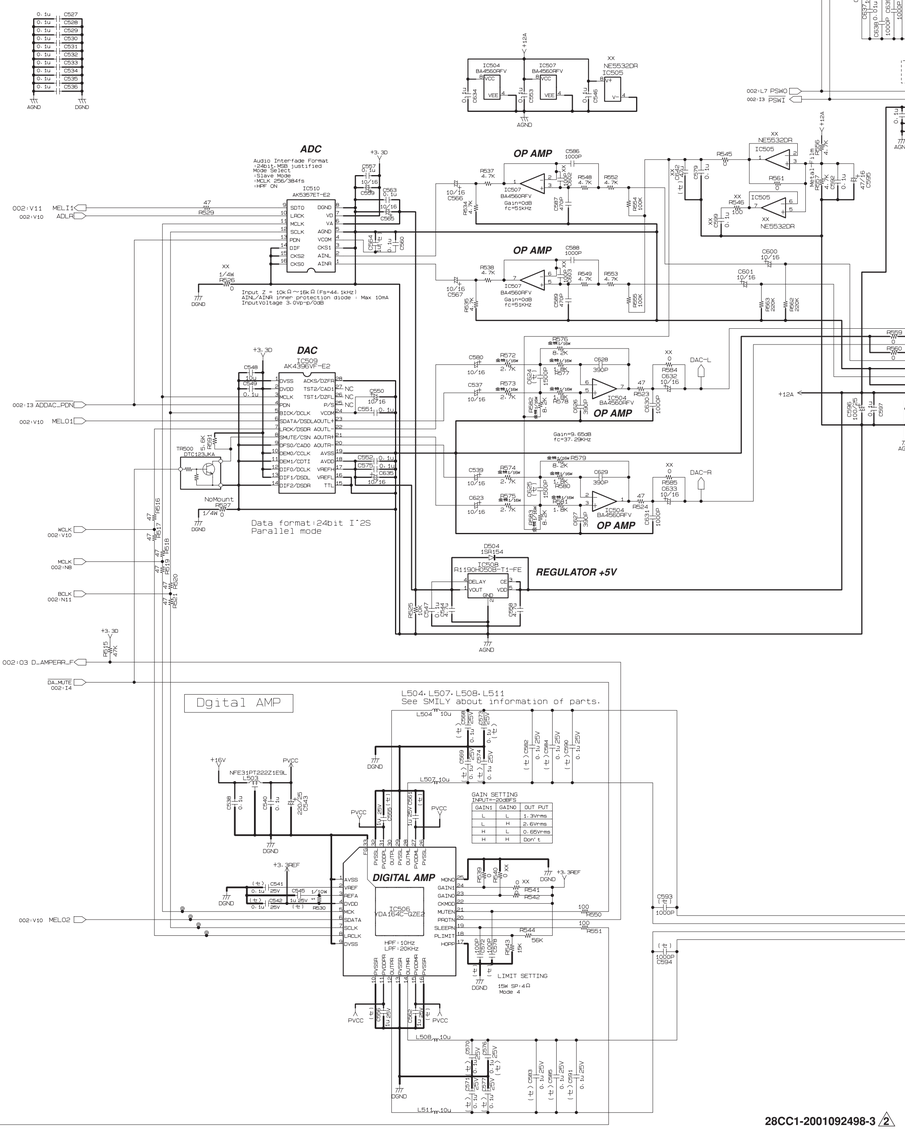
■PSR-S750 DM 003 CIRCUIT DIAGRAM (3/11)











28CC1-2001092498-3 /2

xx : Not installed

Note : See parts list for details of circuit board component parts.

PSR-S950 DM 001 CIRCUIT DIAGRAM (4/11)

CPU

TRANSCEIVER

FLASH ROM 64M BOOT PRG.
Extensible to 512Mbit

FLASH ROM 64M BACKUP
Extensible to 256Mbit

AND

INVERTER

DECODER

SYSYTEM RESET

RESET

SSP RESET

OR GATE

PHOTO COUPLER

SINGLE SHOT

MODE 0
BIG ENDIAN
16bit BUS

Internal clock:256MHz
External clock:64MHz
SDRAM clock:128MHz

No Mount
(Debug Board Only)

Product :OFF
Dubug Board:ON

AUXIN-INSL,MIC-INS,HP-INS:
insert->input High

Detect Voltage 2.9V
Nch Open Drain
Reset Time
min:0.604sec typ:1.109sec max:1.935sec

Detect Voltage 2.9V
Nch Open Drain
Reset Time
min:38msec typ:69msec max:121msec

28CC1-2001092387-1 /2

XX : Not installed

Note : See parts list for details of circuit board component parts.

PSR-S950

■ PSR-S950 DM 002 CIRCUIT DIAGRAM (5/11)

28CC1-2001092387-2 /2

xx : Not installed

Note : See parts list for details of circuit board component parts.

■ PSR-S950 DM 003 CIRCUIT DIAGRAM (6/11)

LCD

CPU

USB

USB CONTROLLER

RGB CONTROLLER

D-FF

INVERTER

RGB ENCODER

SDRAM 16M

OR

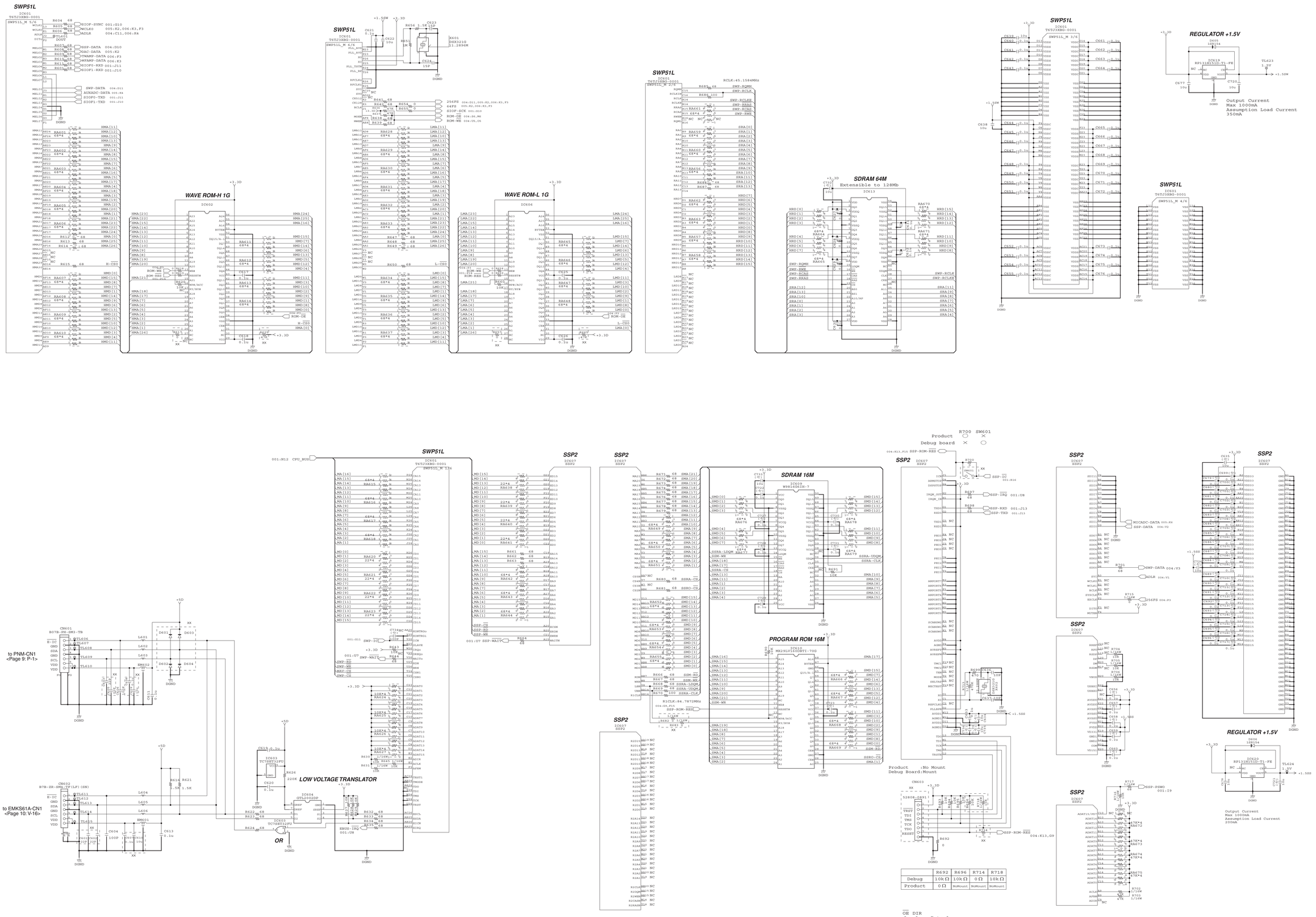
COMPOSITE OUT

XX : Not installed

Note : See parts list for details of circuit board component parts.

28CC1-2001092387-3 1

■ PSR-S950 DM 004 CIRCUIT DIAGRAM (7/11)



	R692	R696	R714	R718
Debug	10kΩ	10kΩ	0Ω	10kΩ
Product	0Ω	NoMount	NoMount	NoMount

OE	DIR
L	L B to A
L	H A to B
H	X isolation

XX : Not installed

Note : See parts list for details of circuit board component parts.

28CC1-2001092387-4 /1

■ PSR-S950 DM 005 CIRCUIT DIAGRAM (8/11)

PSR-S950

★ : metal film 1005size

DAC
IC803
AK4396VF-E2

ADC
IC802
AK5381VTP

ADC
IC803
AK5381VTP

OP AMP
IC807
NE5532DR

OP AMP
IC805
NE5532DR

OP AMP
IC806
NE5532DR

OP AMP
IC808
NE5532DR

gain	fc
9.65dB	37.29kHz

Data format:24bit I^2S
Parallel mode

Input Z = 10kΩ ~16kΩ (Fs=44.1kHz)
AINL/AINR inner protection diode : Max 10mA

REGULATOR +5V
IC804
R1190H050B-T1-FE
TL801 5V
Output Current
Max 1A

CN801
B11B-ZR-SM4-TF(LF)(SN)
AUX-OUT L
AGND
AUX-OUT R
AGND
AUX-IN L
AGND
AUX-IN R
AGND
+12A
AGND

CN802
B3B-ZR-SM4-TF(LF)(SN)
MIC_OUT
AGND
MIC_IN

to AJACK-CN2
<Page 10: V-4>

to AJACK-CN3
<Page 10: V-3>

xx : Not installed

Note : See parts list for details of circuit board component parts.

28CC1-2001092387-5 ⚠1

PSR-S950

■ PSR-S950 DM 006 CIRCUIT DIAGRAM (9/11)

PSR-S950

to SP Lch (Wo, Tw)

to SP Rch (Wo, Tw)

Digital AMP

DIGITAL AMP
IC901
DA164C-QZE2
HPF:10Hz
LPF:20KHz

DIGITAL AMP
IC900
DA164C-QZE2
HPF:10Hz
LPF:20KHz

GAIN1	GAIN0	OUT PUT
L	L	1.3Vrms
L	H	2.6Vrms
H	L	0.65Vrms
H	H	Don't

LIMIT
Setting
15W SP4Ω)

LIMIT
Setting
10W SP4Ω)

DA-MUTE 001:J12
DampErr-Wo 001:J12
SP-OFF 001:G15
DampErr-Tw 001:J12
BL-ON/OFF 001:J12

POWER SUPPLY

DC-DC CONVERTER
IC902
IS-L85033IRT-T1

LED BL

DC-DC CONVERTER
IC904
IBD6590MUV

to LCD

Input Voltage:
16V

to AJACK-CN4
<Page 10: P-9>

xx : Not installed

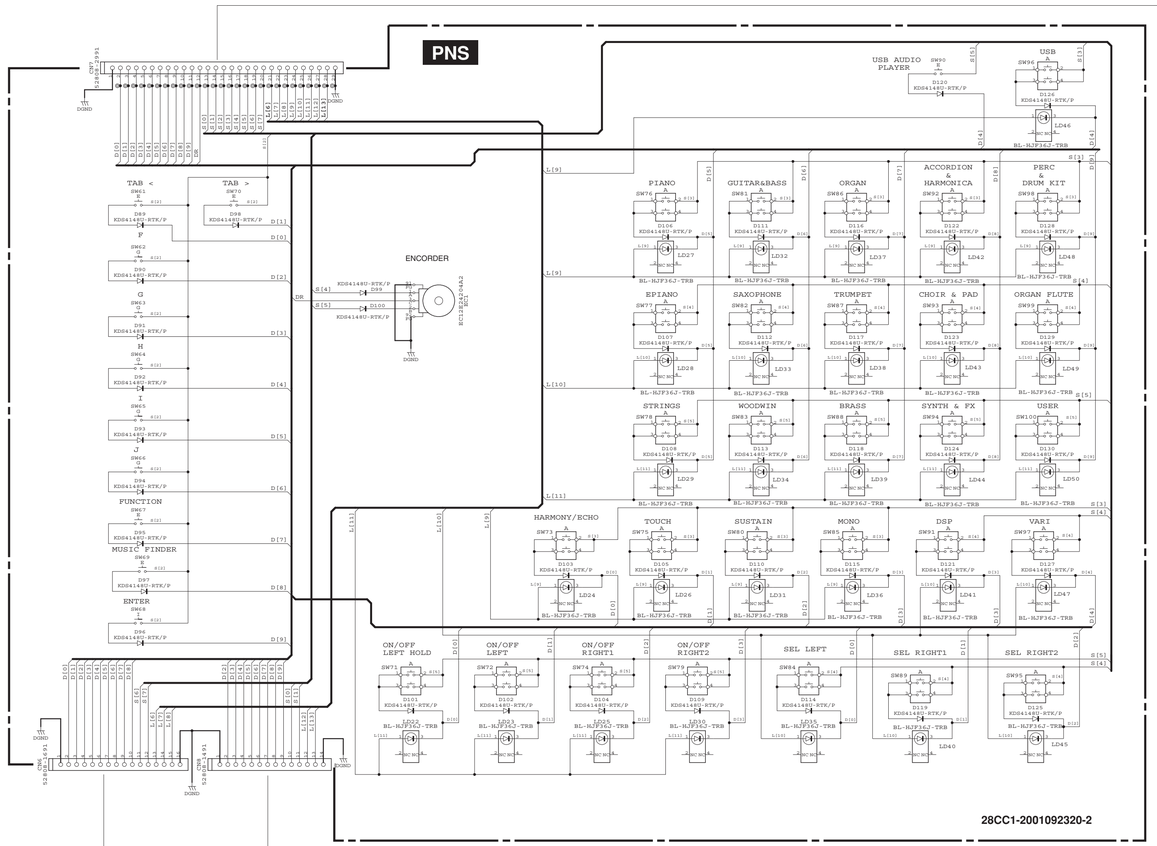
Note : See parts list for details of circuit board component parts.

28CC1-2001092387-6 ⚠1

PSR-S950

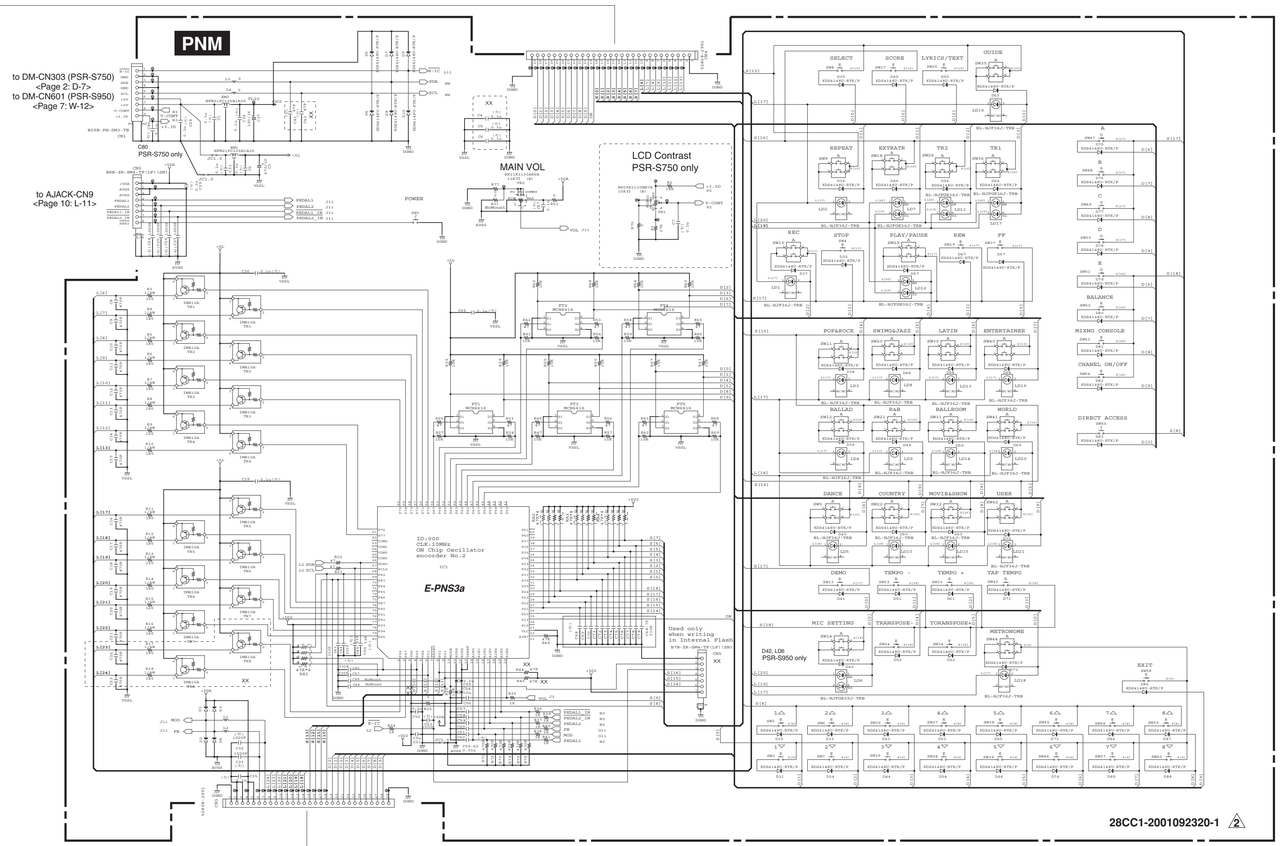
■ PSR-S750/PSR-S950 PNC, PNL, PNM, PNR, PNS CIRCUIT DIAGRAM (10/11)

PNS



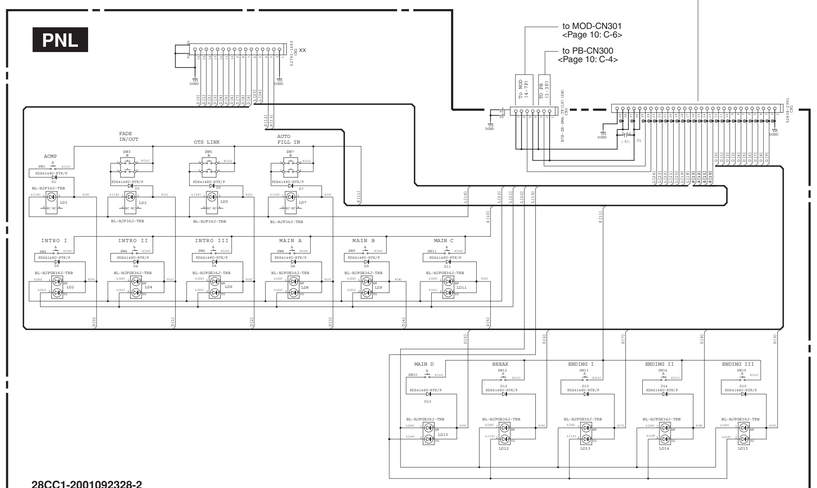
28CC1-2001092320-2

PNM



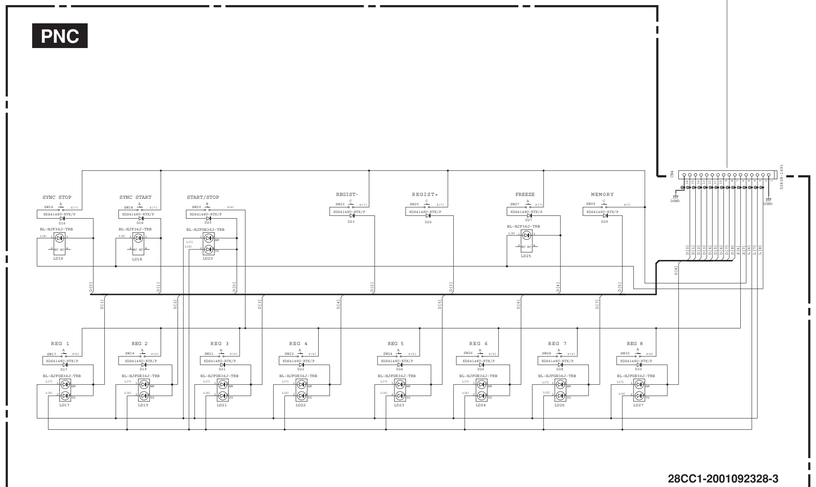
28CC1-2001092320-1 ⚠2

PNL



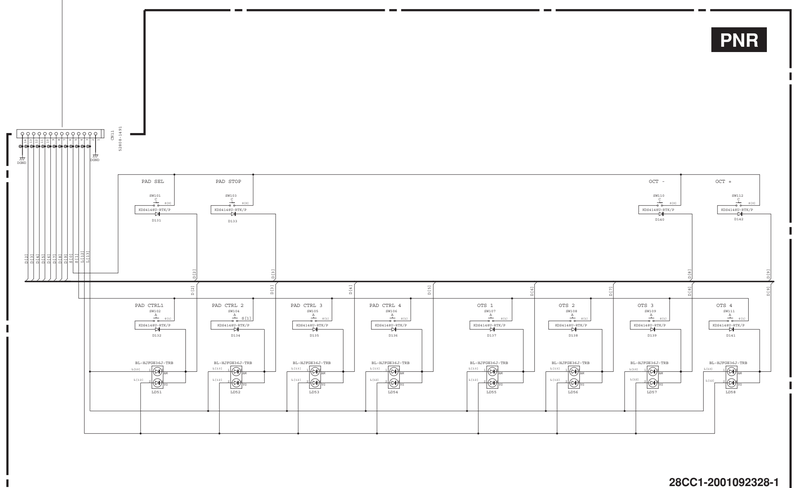
28CC1-2001092328-2

PNC



28CC1-2001092328-3

PNR



28CC1-2001092328-1

xx : Not installed

Note : See parts list for details of circuit board component parts.

■PSR-S750/PSR-S950 AJACK, EMKS61A, HP, MK-H, MK-L, MOD, PB CIRCUIT DIAGRAM (11/11)