

DIGITAL WORKSTATION

Tyros5 / TRS-MS05

Tyros5-61 / Tyros5-76

OPTION SPEAKER

SERVICE MANUAL



Tyros5-76



TRS-MS05



Tyros5-61

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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 believed 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**

WARNING: THIS APPARATUS MUST BE EARTHED IMPORTANT.

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

GREEN-AND-YELLOW	: EARTH
BLUE	: NEUTRAL
BROWN	: LIVE

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

The wire which is coloured GREEN-and-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol  or colored GREEN or GREEN-and-YELLOW.

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.

• This applies only to products distributed by Yamaha-Kemble Music (U.K.) Ltd. (3 wires)

WARNING

Components having special characteristics are marked



and must be replaced with parts having specification equal to those originally installed.

SAVING DATA

- The edited Voices, Styles, One Touch Settings, Songs, Multi Pads and MIDI settings are lost when you turn off the power of instrument without saving. It occurs also when the power is turned off by Auto Power Off function). Save the edited data to the instrument (User memory), internal hard disk drive or USB flash memory. Saving the data to USB flash memory is even more secure, since the data in the instrument may be lost due to malfunction or incorrect operation.
- To further protect against data loss through USB flash memory damage, we recommend that you save your important data onto two USB flash memories.
- You can save the data also to a computer by connecting the instrument to a computer.
- System Setup data (data other than the edited Voices, Styles, One Touch Settings, Songs, 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. For information about the System Setup data, refer to the Parameter Chart of the Data List on the website.

SPECIFICATIONS (Tyros5-61/ Tyros5-76)

			TYROS5-76	TYROS5-61
Size and Weight	Dimensions [W x D x H] (without Music Rest)		1347 x 450 x 142mm (53-1/16" x 17-11/16" x 5-9/16")	1140 x 450 x 142mm (44-7/8" x 17-11/16" x 5-9/16")
	Weight (without Music Rest)		16.0 kg (35 lbs, 4 oz.)	14.0 kg (30 lbs, 14 oz.)
Interface	Keyboard	Number of Keys	76 (E0–G6)	61 (C1–C6)
		Type	Organ (FSX), Initial Touch/Aftertouch	
		Touch Response	Hard1, Hard2, Medium, Soft1, Soft2	
	Controllers	Pitch Bend Wheel	Yes	
		Modulation Wheel	Yes	
		Sliders	9 (including 1 assignable)	
		Articulation Switches	ART. 1, ART. 2	
	Display	Type/Size	640 x 480 dots TFT VGA color 7.5 inch LCD	
		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	1279 Voices + 480 XG Voices + 37 Drum/SFX Kits	
		Featured Voices	Ensemble 55 S.Art! 44 S.Art! 288 MegaVoice 54 Live! 138 Cool! 81 Sweet! 37 Organ World 40	
	Expandability	Expansion Voice	Yes *Wave Capacity: depends on the optional Flash Memory Expansion Module (FL1024M, FL512M)	
	Compatibility		XG, GS, GM, GM2	
	Part		Right 1, Right 2, Right 3, Left	
Effects	Reverb		52 Presets + 3 User	
	Chorus		106 Presets + 3 User	
	DSP		DSP1: 322 Presets + 3 User, DSP2-9: 322 Presets + 10 User	
	Master Compressor		5 Presets + 5 User settings	
	Master EQ		5 Presets + 2 User settings	
	Mic Effects		Noise Gate x 1, Compressor x 1, 3Band EQ x 1	
	Vocal Harmony	Number of Presets	Vocal Harmony: 44 Synth Vocoder: 10	
		Number of User Settings	60	
		Vocal Effect	23	
Styles	Preset	Number of Styles	539	
		Featured Styles	40 +Audio, 7 FreePlay, 441 Pro, 51 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 Audio Capacity: approx. 124 MB	
	Other Features	Music Finder (Max.)	2,500 Records	
		One Touch Setting (OTS)	4 for each Style	
Songs	Preset	Number of Songs	5 Sample Songs	
	Recording	Number of Songs	Unlimited (depends on the drive 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	190 banks x 4 Pads	
	Audio	Audio Link	Yes	

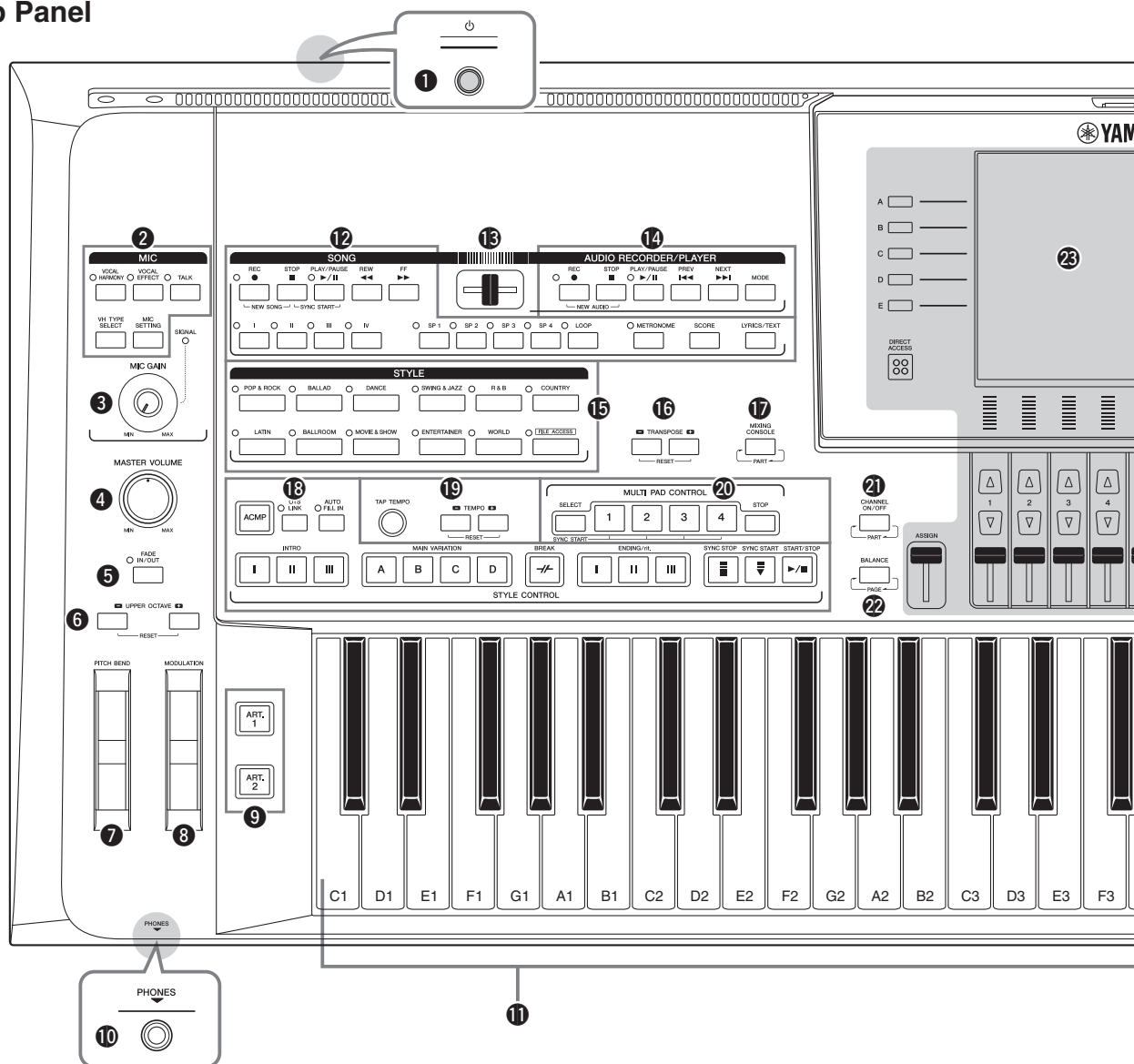
			TYROS5-76	TYROS5-61	
Functions	Voices	Harmony/Echo		Yes	
		Panel Sustain		Yes	
		Mono/Poly		Yes	
		Voice Information		Yes	
	Styles	Style Creator		Yes	
		Style Recommender		Yes	
		OTS Information		Yes	
	Songs	Song Creator		Yes	
		Score Display Function		Yes	
		Lyrics Display Function		Yes	
		Text Display Function		Yes	
		Wallpaper Customization		Yes	
		Lesson/Guide		Follow Lights, Any Key, Karao-Key, Your Tempo	
		Performance Assistant Technology (P.A.T.)		Yes	
		Multi Pads	Multi Pad Creator		Yes
	Registration Memory	Number of Buttons		8	
		Control		Registration Sequence, Freeze	
	Audio Recorder/ Player	Recording Time (max.)		80 minutes/Song	
		Recording		.wav (WAV format: 44.1 kHz sample rate, 16 bit resolution, stereo)	
		Playback		.wav (WAV format: 44.1 kHz sample rate, 16 bit resolution, stereo) .mp3 (MPEG-1 Audio Layer-3: 44.1/48.0 kHz sample rate, 64–320 kbps and variable bit rate, mono/stereo)	
		Time Stretch		Yes	
		Pitch Shift		Yes	
		Vocal Cancel		Yes	
		Multi	Recording	.aud (Tyros5 original: 44.1 kHz sample rate, 16 bit resolution, stereo)	
			Playback	.aud (Tyros5 original: 44.1 kHz sample rate, 16 bit resolution, stereo)	
	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	Direct Access		Yes	
Storage		Internal Memory (USER Drive)		approx. 6.7 MB	
		Internal Hard Disk		500 GB	
		External Drives		USB Flash Memory (via USB to DEVICE)	
Connections		Headphones		Yes	
		Microphone		Yes (Combo Jack)	
		MIDI		MIDI A (IN/OUT), MIDI B (IN/OUT)	
		AUX IN		L/L+R, R	
		LINE OUT		MAIN (L/L+R, R), SUB OUT (1,2), SUB OUT (3,4 / AUX OUT)	
		RGB OUT		Yes	
		FOOT PEDAL		1 (SUSTAIN), 2 (ARTICULATION 1), 3 (VOLUME), Function Assignable	
		USB TO DEVICE		USB 2.0 x 2 (Front/Back)	
		USB TO HOST		USB 2.0 x 1	
Pedals	Assignable Functions		Volume, Sustain, Sostenuto, Soft, Glide, S. Articulation, Song Play/Pause, Style Start/Stop, etc.		
Included Accessories			<ul style="list-style-type: none">• Owner's Manual• Online Member Product Registration• AC Power Cord• Music Rest, two Music Rest Brackets• USB Wireless LAN Adaptor * May not be included depending on your particular area. Please check with your Yamaha dealer.		
Optional Accessories			<ul style="list-style-type: none">• Option Speaker: TRS-MS05• Headphones: HPE-150, HPE-170• Footswitch: FC4, FC5• Foot Controller: FC7• MIDI Foot Controller: MFC10• Flash Memory Expansion Module: FL1024M, FL512M• Keyboard Stand: L-7S * The exterior size of the Tyros5-76 is beyond the limits as described in the L-7S Assembly Instructions. However, we have determined through tests that the stand can be safely used for the instrument. <ul style="list-style-type: none">• MIDI Interface for iPhone/iPod touch/iPad: i-MX1• USB MIDI Interface for iPhone/iPod touch/iPad: i-UX1		

■ SPECIFICATIONS (TRS-MS05)

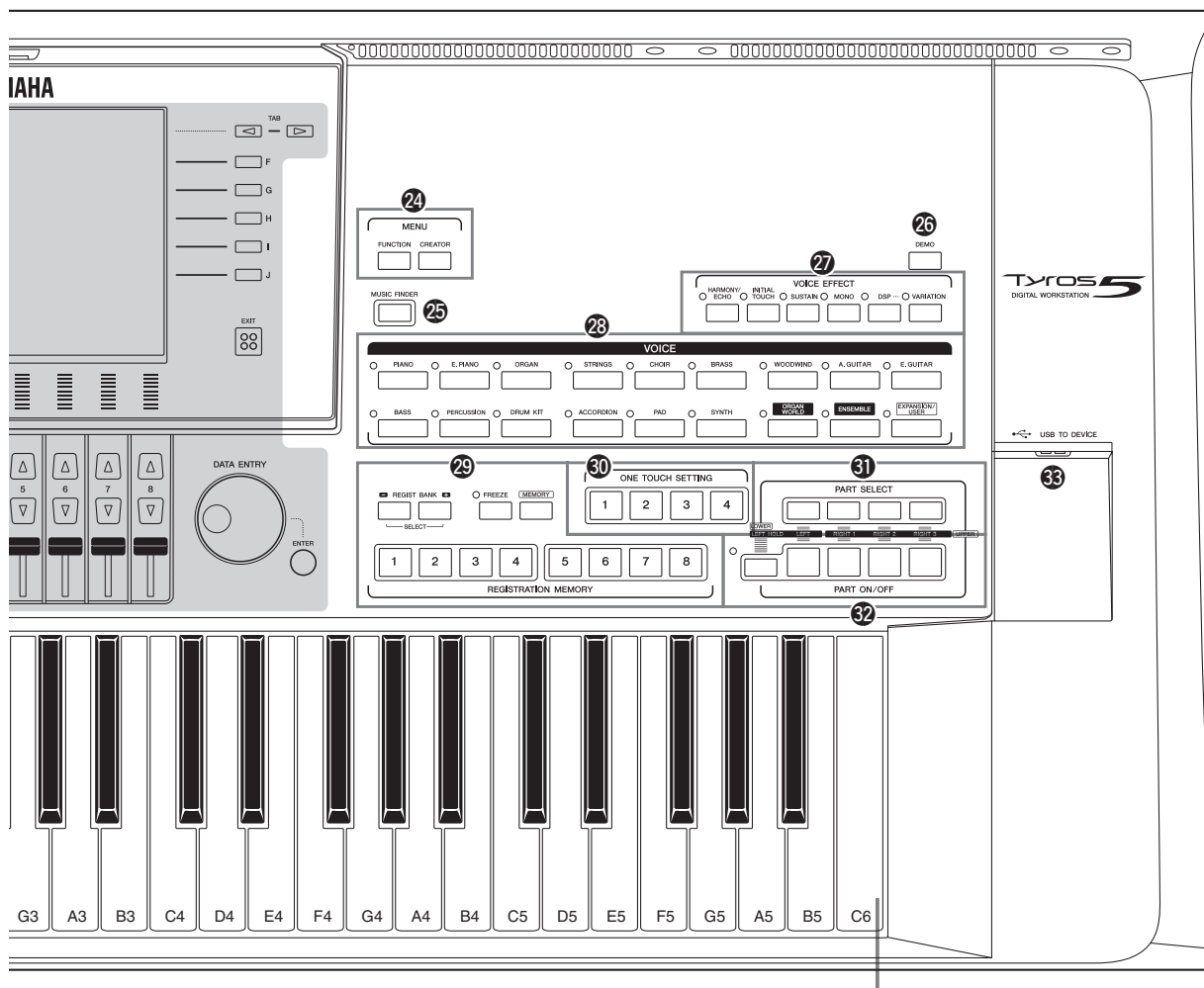
Output power	Satellite speakers.....20 W + 20 W (1k Hz, 4 Ω)
	Subwoofer.....40 W (100 Hz, 5 Ω)
Frequency response	32 Hz to 20 kHz
Speaker unit	Satellite speakers
	Tweeter1.9 cm (3/4") dome, magnetic shielding
	Midrange.....8 cm (3") cone, magnetic shielding
	Subwoofer.....16 cm (6.5") cone, magnetic shielding
Power consumption	65W
Power supply	U.S.A. and Canada modelsAC 120 V, 60 Hz
	Australia modelAC 240 V, 50 Hz
	U.K. and Europe models.....AC 220–230 V, 50/60 Hz
Dimensions (W x H x D)	Satellite speakers.....97 (3.8") x 159 (6.3") x 178 (7") mm
	Subwoofer.....350 (13.8") x 210 (8.3") x 321 (12.6") mm
Weight	Satellite speakers.....0.7kg (1 lb. 9 oz.) x 2
	Subwoofer.....7.4kg (16 lbs. 5 oz.)
Accessories	Speaker brackets x 2, RCA pin/8-pin - RCA pin/phone combination cable x 1, Owner's Manual

■ PANEL LAYOUT (Tyros5-61/ Tyros5-76)

• Top Panel



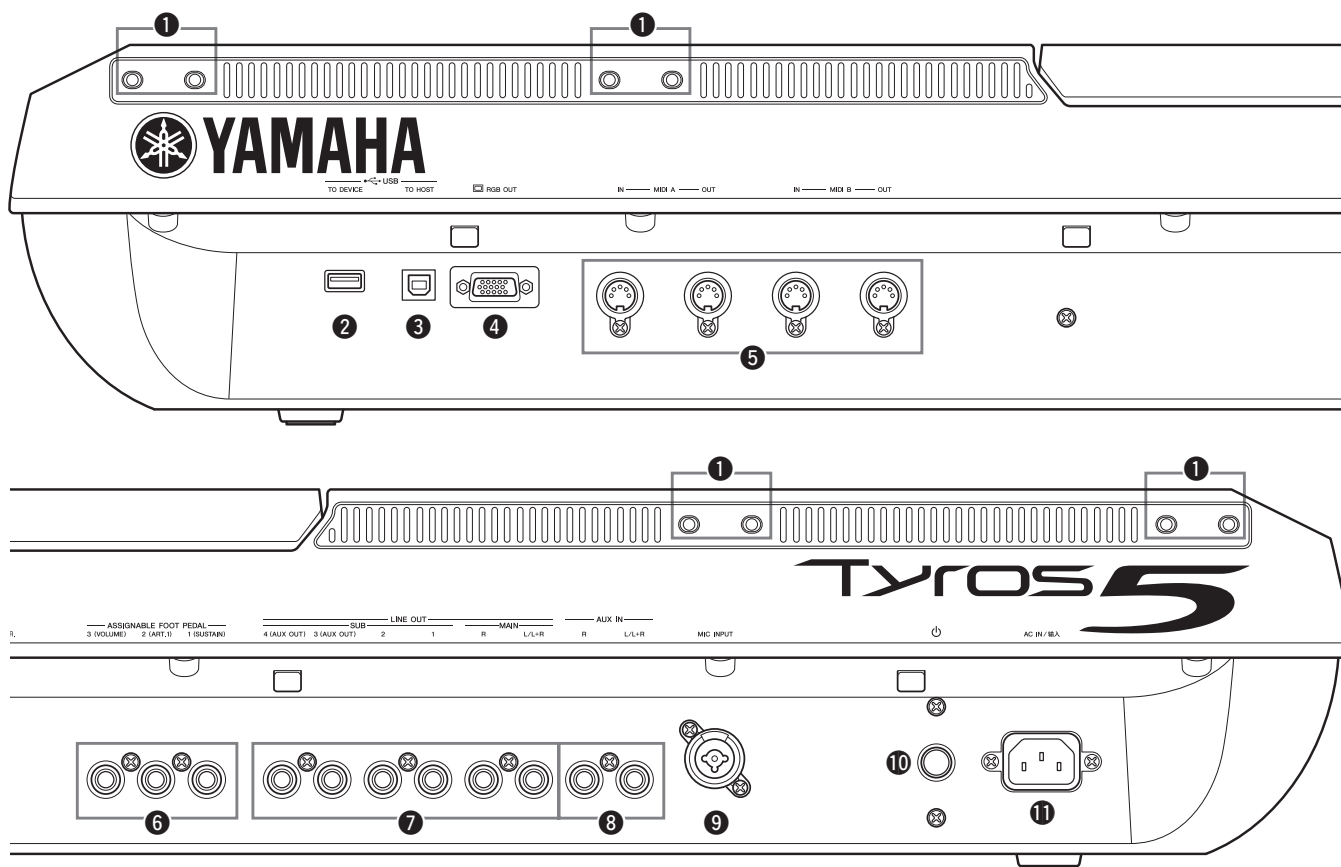
- | | |
|-----------------------------|---------------------------------|
| ① [] Power on/off switch | ⑪ Keyboard |
| ② MIC buttons | ⑫ SONG buttons |
| ③ [MIC GAIN] knob | ⑬ Cross Fader |
| ④ [MASTER VOLUME] dial | ⑭ AUDIO RECORDER/PLAYER buttons |
| ⑤ [FADE IN/OUT] button | ⑮ STYLE buttons |
| ⑥ UPPER OCTAVE buttons | ⑯ TRANSPOSE buttons |
| ⑦ [PITCH BEND] wheel | ⑰ [MIXING CONSOLE] button |
| ⑧ [MODULATION] wheel | ⑱ STYLE CONTROL buttons |
| ⑨ [ART. 1]/[ART. 2] buttons | ⑲ [TAP TEMPO] / [TEMPO] buttons |
| ⑩ [PHONES] jack | ⑳ MULTI PAD CONTROL buttons |



※ This figure shows the Tyros5-61.

- 21 [CHANNEL ON/OFF] button
- 22 [BALANCE] button
- 23 LCD and related controls
- 24 MENU buttons
(refer to Reference Manual on the website)
- 25 [MUSIC FINDER] button
- 26 [DEMO] button
- 27 VOICE EFFECT buttons
- 28 VOICE buttons
- 29 REGISTRATION MEMORY buttons
- 30 ONE TOUCH SETTING buttons
- 31 PART SELECT buttons
- 32 PART ON/OFF buttons
- 33 [USB TO DEVICE] terminal

• Rear Panel

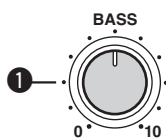


- ❶ Slots
- ❷ [USB TO DEVICE] terminal
- ❸ [USB TO HOST] terminal
- ❹ [RGB OUT] terminal
- ❺ MIDI terminals
- ❻ ASSIGNABLE FOOT PEDAL jacks
- ❼ LINE OUT jacks
- ❽ AUX IN jacks
- ❾ MIC INPUT jack
- ❿ [⏻] Power on/off switch
- ⓫ AC IN jack

※ This figure shows the Tyros5-61.

■ PANEL LAYOUT (TRS-MS05)

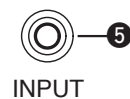
SUBWOOFER FRONT



SUBWOOFER REAR



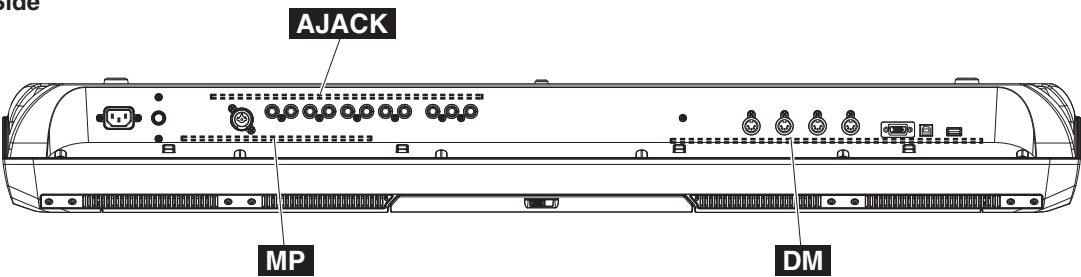
SATELLITE SPEAKER REAR



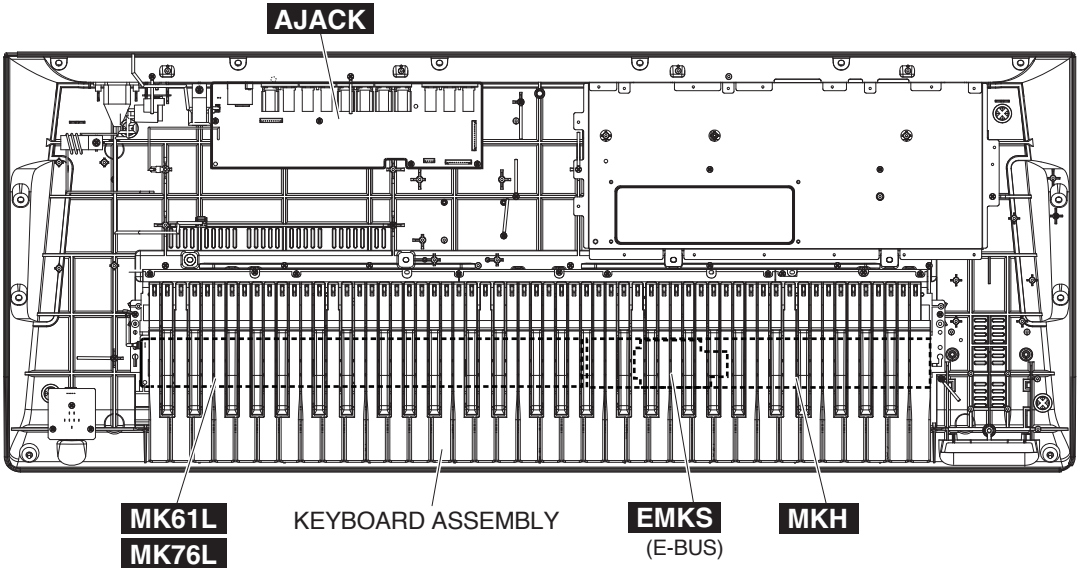
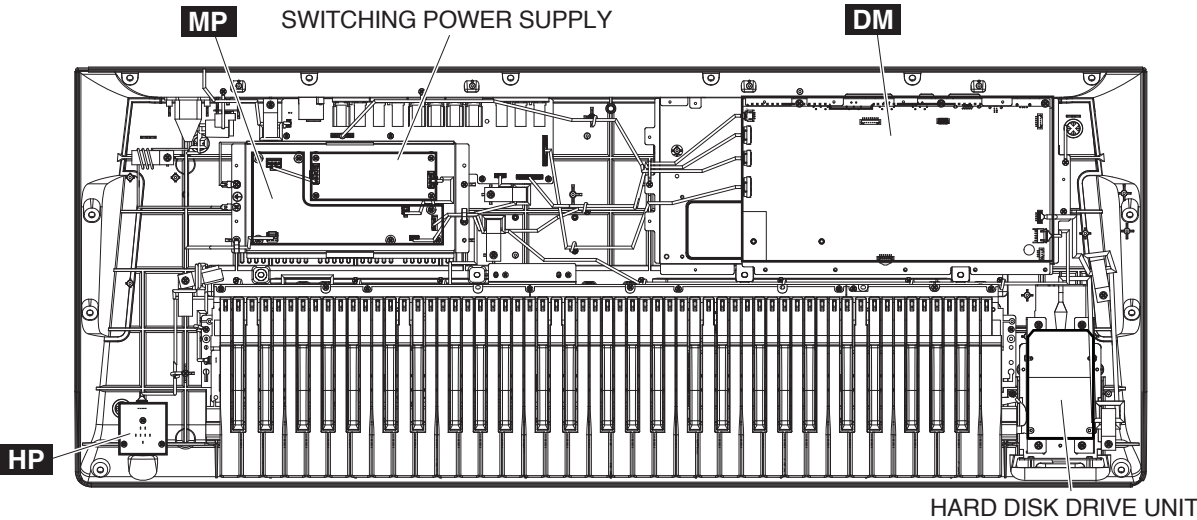
- ❶ [BASS] control knob
- ❷ [⏻] Power on/off switch
- ❸ [MASTER VOLUME] control knob
- ❹ [TO KEYBOARD/SATELLITE SP] jacks (WOOFER)
- ❺ [INPUT] jack (Satellite)

CIRCUIT BOARD LAYOUT

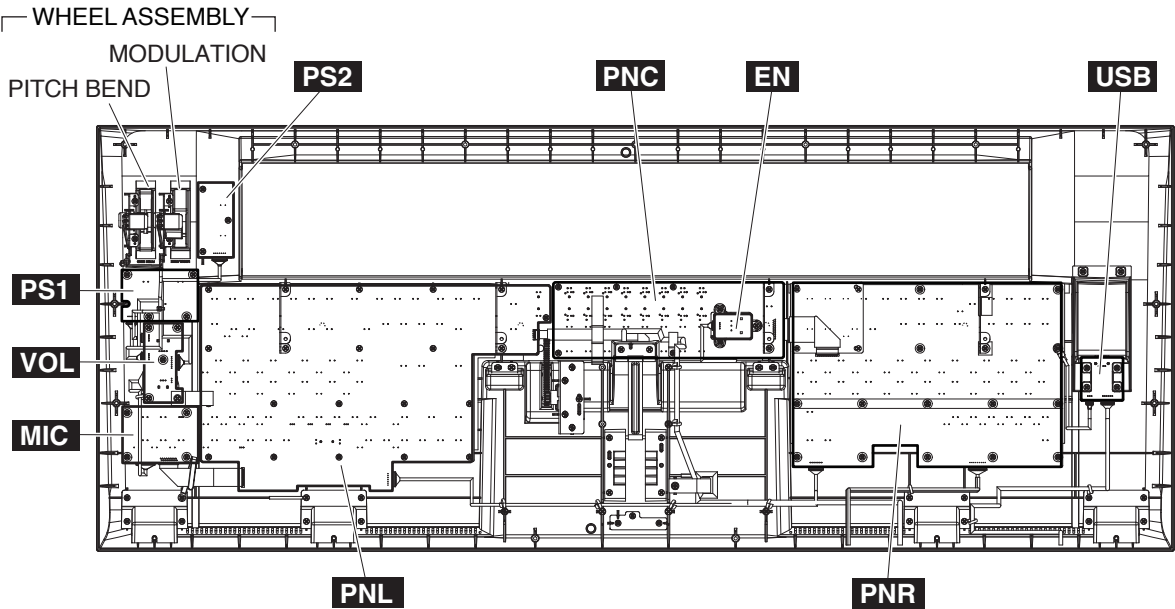
• Rear Side



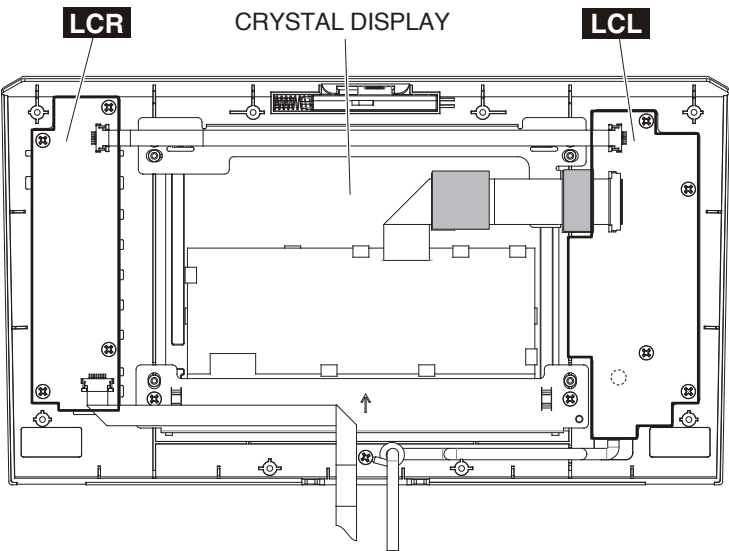
• Lower Case Side



• Upper Case Side



• LCD Unit



■ DISASSEMBLY PROCEDURE (Tyros5-61/ Tyros5-76)

Precautions

- If you want to turn the instrument or upper case unit upside down, prepare supporting materials and put the both end portions of the instrument or upper case unit on the supporting materials. (Fig. A)

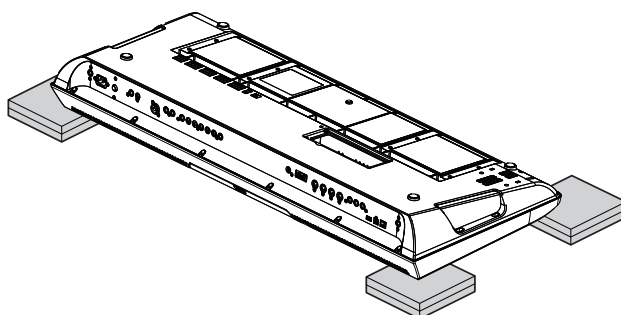


Fig. A

- During reassembly, reinstall the adhesive tape, cord holder, GND wire and ferrite core that were removed during disassembly as they were before removal.
- Notes on Flat Cable
When connecting to the connector, pay attention not to insert the cable inversely. (Photo A)



Front Side



Back Side (Taping Side)

Photo A

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1. Separation of Upper Case Unit and Lower Case Unit

(The required: About 5 minutes).

- 1-1 Remove the four (4) (Tyros5-76 are six (6)) screws marked [S12] and seventeen (17) (Tyros5-76 are twenty one (21)) screws marked [S14A], lift the rear side of the upper case unit a little, pull it toward you a little paying attention not to damage connector assemblies, and lift the upper case unit carefully. (Fig. 1, Photo 1)
- 1-2 Remove the five (5) screws marked [S03A] and the screw marked [S10A]. The ACDM earth angle can then be removed. (Fig. 2)
- 1-3 Remove the ten (10) screws marked [S01A] and the screw marked [S09]. The DM cover can then be removed. (Fig. 2)
- 1-4 Remove the screw marked [S07]. The ferrite core can then be removed. (Fig. 2)

- 1-5 Disconnect all the connector assemblies connecting the upper case unit and lower case unit. The upper case unit and lower case unit can then be separated.



Photo 1

• Bottom View

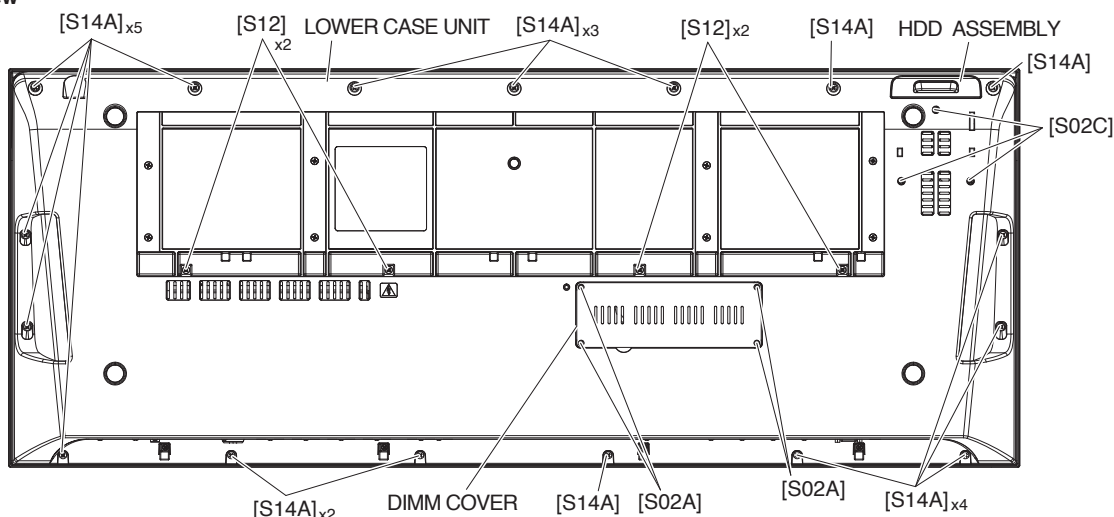


Fig. 1

※ This figure shows the Tyros5-61.

• Top View

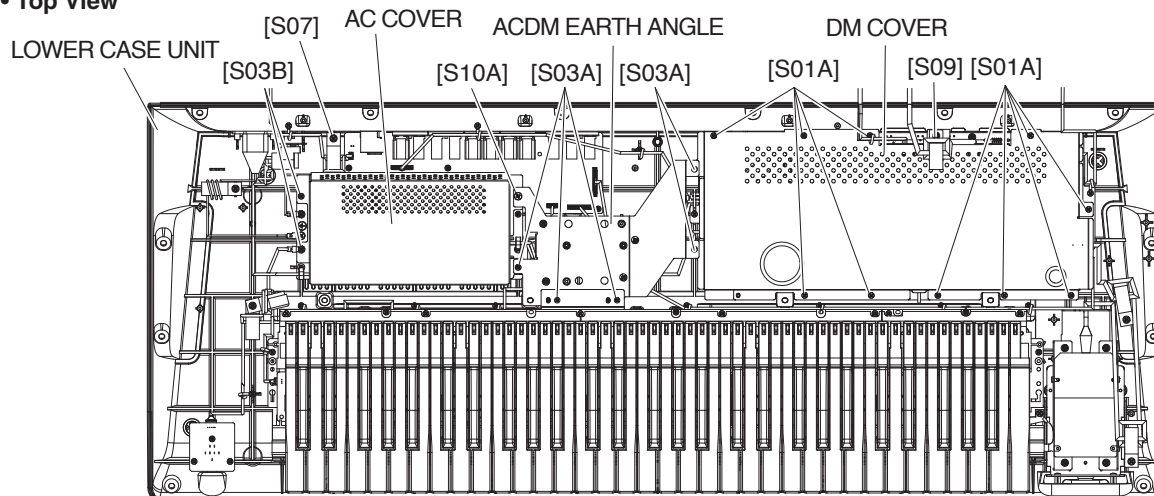


Fig. 2

※ This figure shows the Tyros5-61.

2. DM Circuit Board

(Time Required: About 8 minutes)

- * If there is a flash memory expansion module inserted into the expansion module socket, remove the four (4) screws marked [S02A] to remove the DIMM cover and loosen the two (2) screws marked [A] to remove the flash memory expansion module, before going to the procedure below. (Fig.1, Fig.3)

2-1 Separate the upper case unit and lower case unit.
(See procedure 1.)

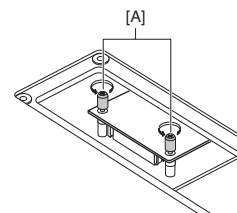
- * Be sure to remove the DM cover.

2-2 Remove the three (3) screws marked [S01B] and four (4) screws marked [S04A] and two (2) screws marked [S21]. The DM circuit board can then be removed.
(Fig. 4)

- * Hardware ID is stored in the Backup FLASH ROM on the DM circuit board. If the DM circuit board is replaced, Hardware ID will be changed.

• Removing Flash Memory Expansion Module

Loosen the screws with your hand.



Pull the module vertically out of the socket.

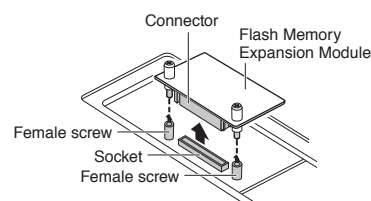


Fig. 3

• Rear View



• Top View

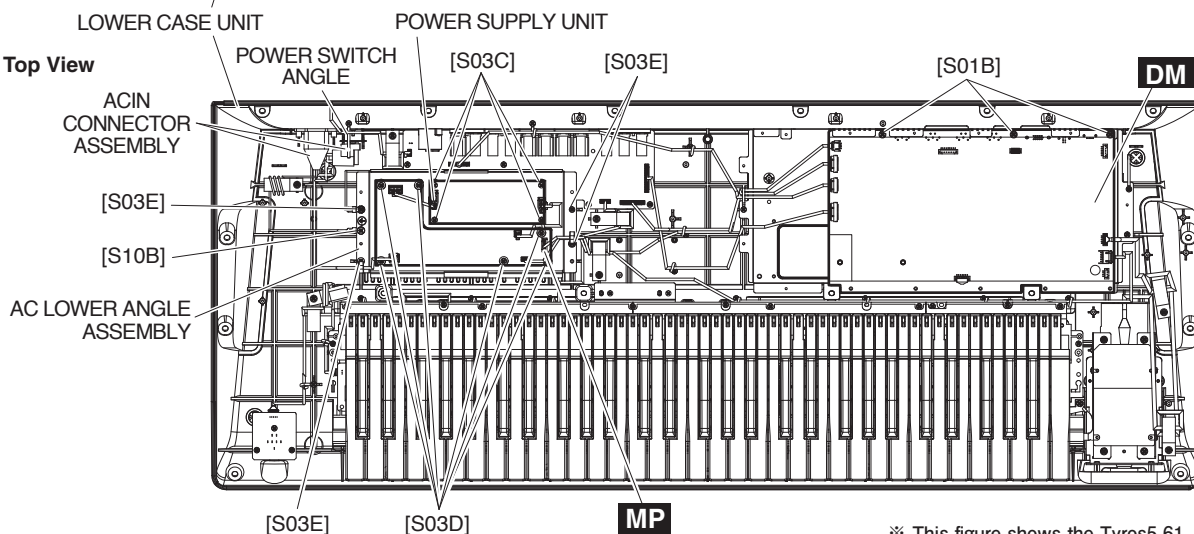


Fig. 4

3. AC Cover

(Time Required: about 6 minutes)

3-1 Separate the upper case unit and lower case unit.
(See procedure 1.)

3-2 Remove the two (2) screws marked [S03B]. The AC cover can then be removed. (Fig. 2)

4. Power Supply Unit

(Time Required: About 7 minutes)

4-1 Separate the upper case unit and lower case unit.
(See procedure 1.)

4-2 Remove the AC cover. (See procedure 3.)

4-3 Remove the four (4) screws marked [S03C]. The power supply unit can then be removed. (Fig. 4)

5. MP Circuit Board

(Time Required: about 6 minutes)

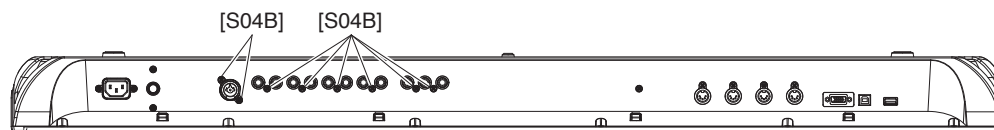
- 5-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- 5-2 Remove the AC cover. (See procedure 3.)
- 5-3 Remove the six (6) screws marked [S03D]. The MP circuit board can then be removed. (Fig. 4)

6. AC Lower Angle Assembly

(Time Required: about 7 minutes)

- 6-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- 6-2 Remove the AC cover. (See procedure 3.)
- 6-3 Remove the four (4) screws marked [S03E] and the screw marked [S10B]. The AC lower angle assembly can then be removed with the power supply unit on it. (Fig. 4)

• Rear View



• Top View

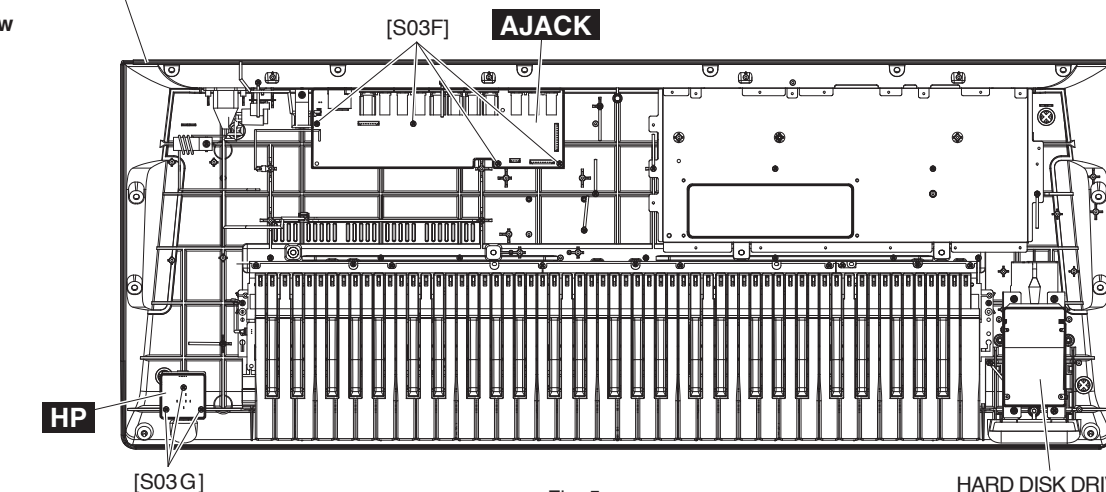


Fig. 5

HARD DISK DRIVE UNIT

※ This figure shows the Tyros5-61.

7. ACIN Connector Assembly

(Time Required: About 7 minutes)

- 7-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- 7-2 Remove the AC cover. (See procedure 3.)
- 7-3 Remove the four (4) screws marked [S04C] and the screw marked [S10B]. The ACIN connector assembly can then be removed together with the power switch angle. (Fig. 4)
- 7-4 Remove the two (2) screws marked [S03G]. The power switch angle can then be removed. (Photo 2)

* **The push button is not part of the ACIN connector assembly. When replacing the ACIN connector assembly (push switch), remove the push button from the push switch of the ACIN connector assembly and install it on the new ACIN connector assembly. (Photo 2)**

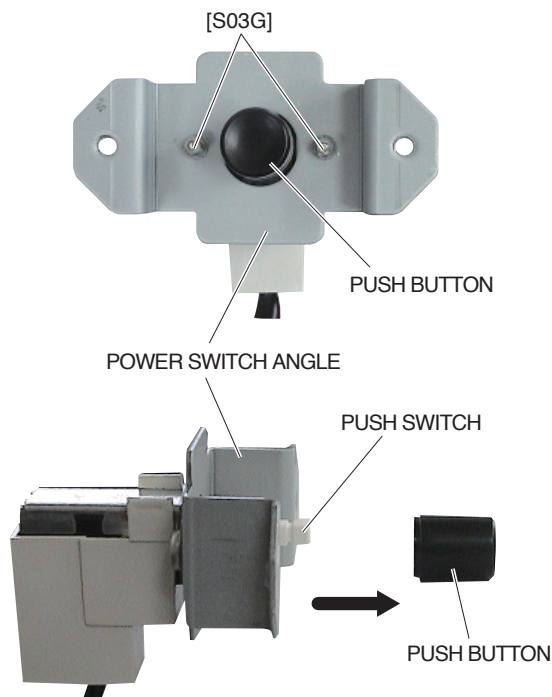


Photo 2

8. AJACK Circuit Board**(Time Required: About 8 minutes)**

- 8-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- 8-2 Remove the AC cover. (See procedure 3.)
- 8-3 Remove the AC lower angle assembly with the power supply unit on it (See procedure 6.)
- 8-4 Remove the four (4) screws marked [S03F] and eight (8) screws marked [S04B]. The AJACK circuit board can then be removed. (Fig. 5)

9. HP Circuit Board**(Time Required: About 6 minutes)**

- 9-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- 9-2 Remove the three (3) screws marked [S03G]. The HP circuit board can then be removed. (Fig. 5)

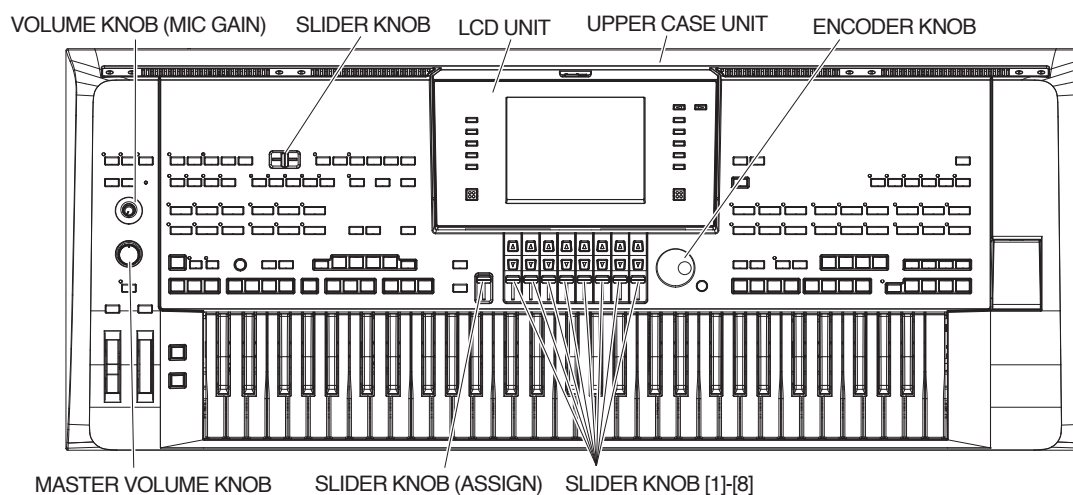
• Top View

Fig. 6

※ This figure shows the Tyros5-61.

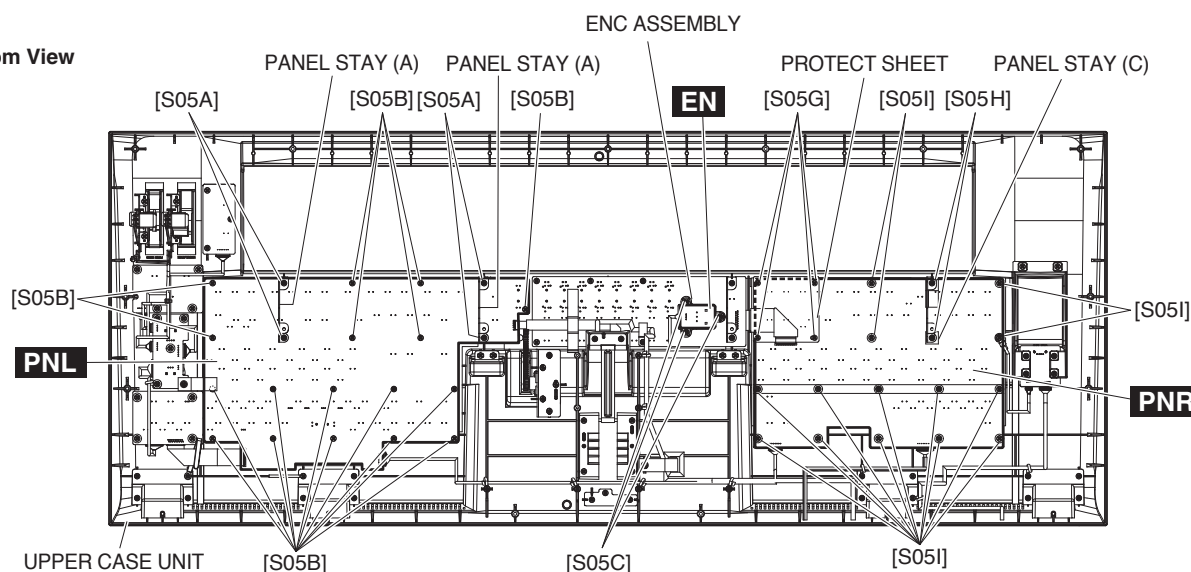
• Bottom View

Fig. 7

※ This figure shows the Tyros5-61.

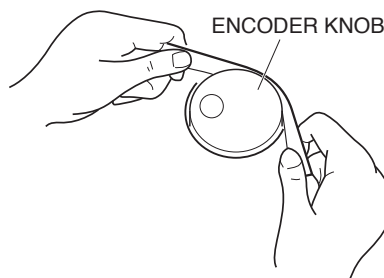


Fig. 8

10. PNL Circuit Board**(Time Required: About 10 minutes)**

- 10-1 Remove the slider knob (ASSIGN) from the control panel. (Fig. 6)
- 10-2 Separate the upper case unit and lower case unit. (See procedure 1.)
- 10-3 Remove the four (4) screws marked [S05A]. The two (2) panel stays (A) can then be removed. (Fig. 7)
- 10-4 Remove the seventeen (17) screws marked [S05B]. The PNL circuit board can then be removed. (Fig. 7)

11. EN Circuit Board**(Time Required: About 6 minutes)**

- 11-1 Remove the encoder knob from the control panel. (Fig. 6, Fig. 8)
- 11-2 Separate the upper case unit and lower case unit. (See procedure 1.)
- 11-3 Remove the three (3) screws marked [S05C]. The ENC assembly can then be removed. (Fig. 7)
- 11-4 Remove the hexagonal nut marked [B] and the washer marked [C]. The ENC stay can then be removed. (Fig. 9)

12. PNC Circuit Board**(Time Required: About 8 minutes)**

- 12-1 Remove the eight (8) slider knobs (ASSIGN) and the encoder knob from the control panel. (Fig. 6)
- 12-2 Separate the upper case unit and lower case unit. (See procedure 1.)
- 12-3 Remove the ENC assembly. (See procedure 11-3)
- 12-4 Release the lock at the back of the LCD unit, open the LCD unit and remove the screw marked [S05D] which has been hidden. (Fig. 10, 11)
- 12-5 Remove the two (2) screws marked [S05E]. The panel stay (B) can then be removed. (Fig. 10)
- 12-6 Remove the five (5) screws marked [S05F]. The PNC circuit board can then be removed. (Fig. 10)

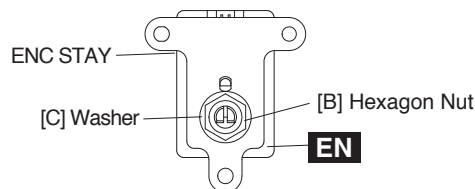
• ENC Ass'y

Fig. 9

13. PNR Circuit Board**(Time Required: About 9 minutes)**

- 13-1 Separate the upper case unit and lower case unit. (See procedure 1.)
- 13-2 Remove the four (4) screws marked [S05G]. The protect sheet can then be removed. (Fig. 7)
- 13-3 Remove the two (2) screws marked [S05H]. The panel stay (C) can then be removed. (Fig. 7)
- 13-4 Remove the fourteen (14) screws marked [S05I]. The PNR circuit board can then be removed. (Fig. 7)

14. MIC Circuit Board**(Time Required: About 6 minutes)**

- 14-1 Separate the upper case unit and lower case unit. (See procedure 1.)
- 14-2 Remove the four (4) screws marked [S05J]. The MIC circuit board can then be removed. (Fig. 10)

15. VOL Circuit Board**(Time Required: About 6 minutes)**

- 15-1 Remove the volume knob (MIC GAIN) and the MASTER VOLUME knob from the control panel. (Fig. 6)
- 15-2 Separate the upper case unit and lower case unit. (See procedure 1.)
- 15-3 Remove the four (4) screws marked [S05K] and the screws marked [S07]. The VOL circuit board can then be removed. (Fig. 10)

16. PS1 Circuit Board**(Time Required: About 6 minutes)**

- 16-1 Separate the upper case unit and lower case unit. (See procedure 1.)
- 16-2 Remove the four (4) screws marked [S05L]. The PS1 circuit board can then be removed. (Fig. 10)

17. PS2 Circuit Board**(Time Required: About 6 minutes)**

- 17-1 Separate the upper case unit and lower case unit. (See procedure 1.)
- 17-2 Remove the three (3) screws marked [S05M]. The PS2 circuit board can then be removed. (Fig. 10)

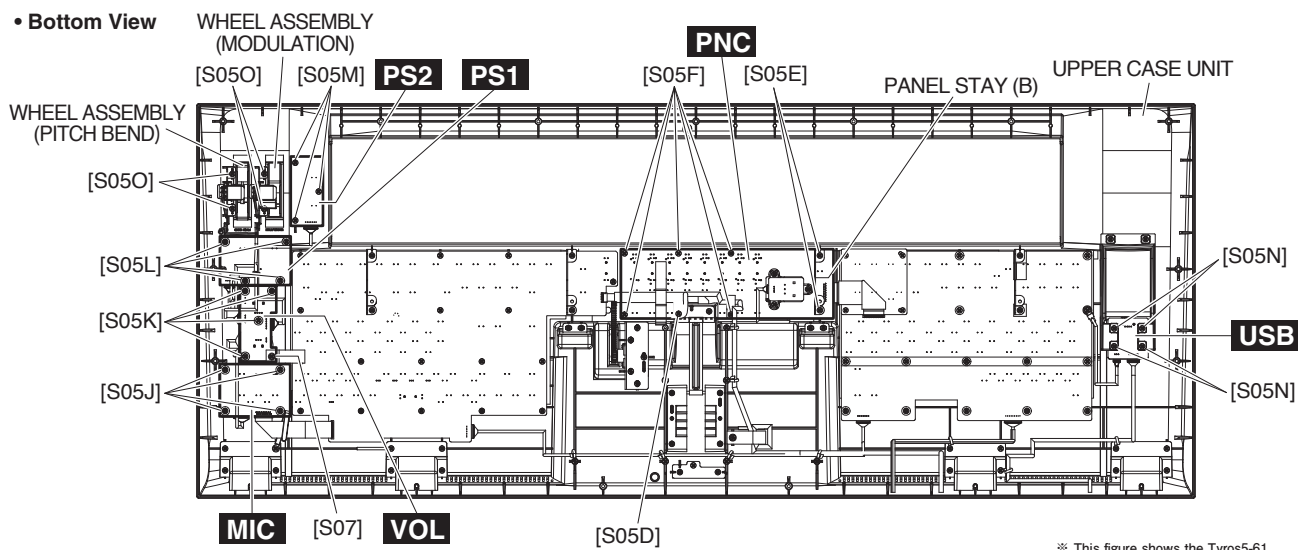


Fig. 10

18. USB Circuit Board**(Time Required: About 6 minutes)**

- 18-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- 18-2 Remove the four (4) screws marked [S05N]. The USB circuit board can then be removed. (Fig. 10)

19. Wheel Assembly (PITCH BEND, MODULATION)**(Time Required: About 6 minutes)**

- 19-1 Separate the upper case unit and lower case unit
(See procedure 1.)
- 19-2 Remove the two (2) screws marked [S05O]. The wheel assembly (PITCH BEND) can then be removed. (Fig. 10)
- * **The wheel assembly (MODULATION) can be removed in the same way.**

20. LCD Unit (Time Required: About 7 minutes)

- 20-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- 20-2 Remove the two (2) screws marked [S05P]. The stay hinge assembly can then be removed. (Fig. 12)
- 20-3 Remove the four (4) screws marked [S05Q]. (Fig. 12)
- 20-4 Remove the screw marked [S05R]. The nylon clamp can then be removed. (Fig. 12)
- 20-5 Turn the front side of the upper case unit upward.
- * **Disconnect the connector assemblies of the LCD unit in advance.**
- 20-6 Release the lock at the back of the LCD unit, raise the LCD unit and remove the two (2) dust proof cloths. (Fig. 11, 13)
- 20-7 Tip the LCD unit until it is at an angle shown in Fig. 14, lift it a little and then pull it out obliquely upward. (Fig. 14)

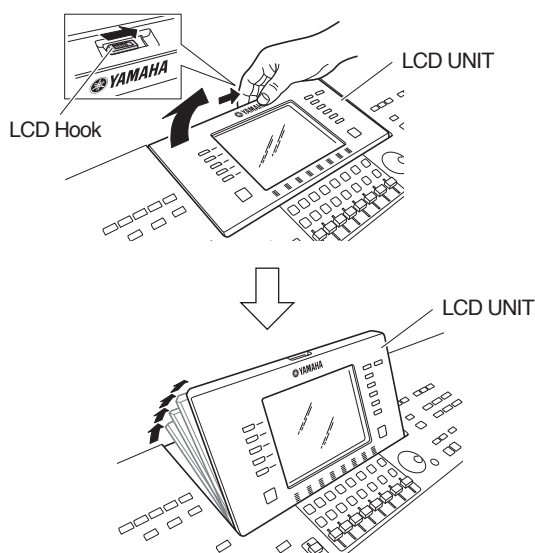


Fig. 11

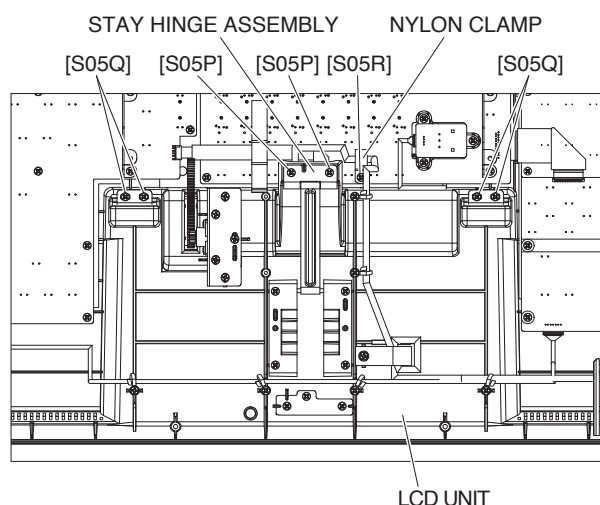


Fig. 12

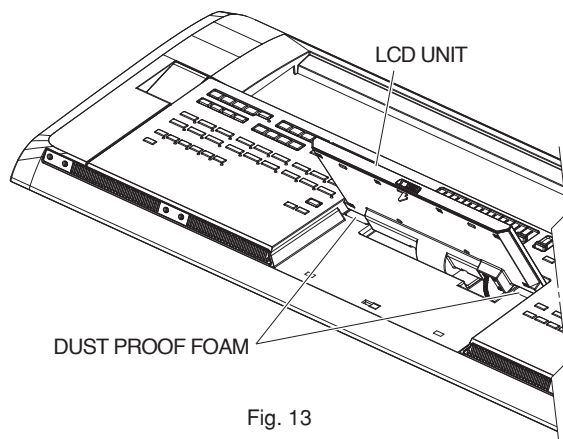


Fig. 13

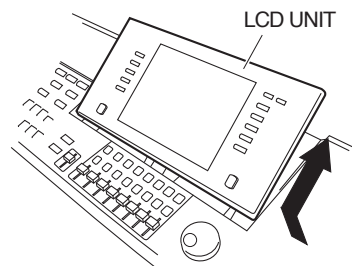


Fig. 14

21. LCD Lower Case Assembly and Gear (Time Required: About 7 minutes)

- 21-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- 21-2 Remove the LCD unit. (See procedure 20.)
- 21-3 Remove the eight (8) screws marked [S04D], slide the LCD hook and remove the LCD lower case assembly and gear while shifting the hook at the back of the LCD unit as shown in Photo 3. (Fig. 15, Photo 3)

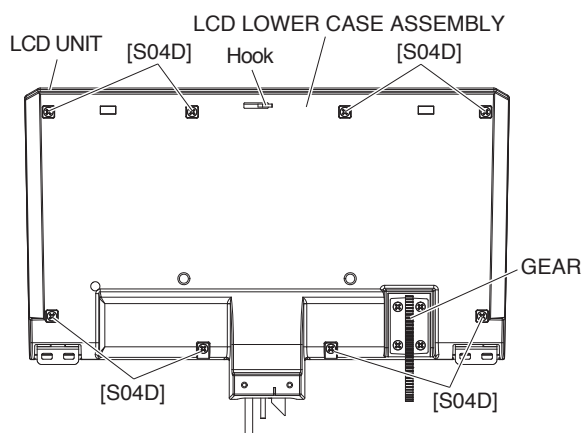


Fig. 15

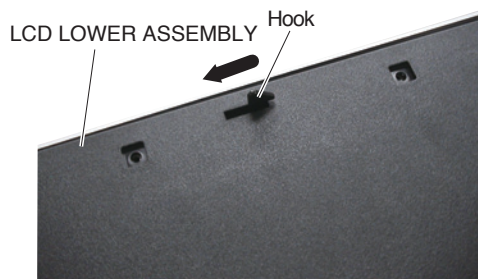


Photo 3

22. LCL Circuit Board (Time Required: About 7 minutes)

- 22-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- 22-2 Remove the LCD unit. (See procedure 20.)
- 22-3 Remove the LCD lower case assembly and gear.
(See procedure 21.)
- 22-4 Remove the four (4) screws marked [S03I]. The LCL circuit board can then be removed. (Fig. 16)

23. LCR Circuit Board (Time Required: About 7 minutes)

- 23-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- 23-2 Remove the LCD unit. (See procedure 20.)
- 23-3 Remove the LCD lower case assembly and gear.
(See procedure 21.)
- 23-4 Remove the four (4) screws marked [S03J]. The LCR circuit board can then be removed. (Fig. 16)

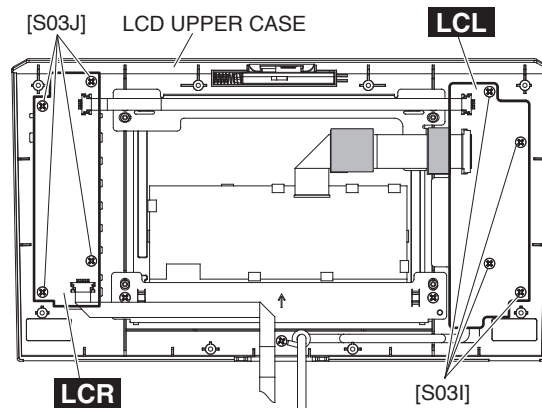


Fig. 16

24. Crystal Display (Time Required: About 7 minutes)

- 24-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- 24-2 Remove the LCD unit. (See procedure 20.)
- 24-3 Remove the LCD lower case assembly and gear.
(See procedure 21.)
- 24-4 Remove the four (4) screws marked [S03K]. The LCD bracket T and LCD bracket B can then be removed.
(Fig. 17)
- 24-5 Remove the crystal display. (Fig. 17)

⚠ When connecting to the connector, pay attention not to insert the cable inversely.

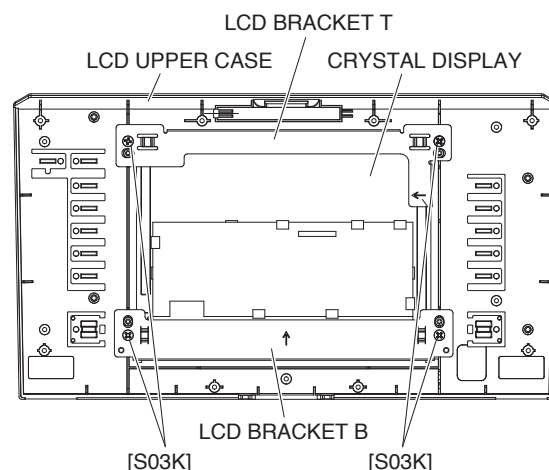
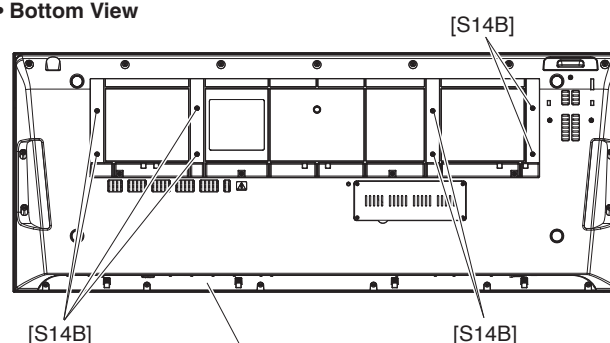


Fig. 17

25. Keyboard Assembly (Time Required: About 9 minutes)

- 25-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- * **Be sure to remove the DM cover.**
- 25-2 Remove the eight (8) (Tyros5-76 are twelve (12))screws marked [S14B] and five (5) screws marked [S05S]. The MK unit can then be removed. (Fig. 18)
- * **Be sure to loosen the cord holder marked [18] and release the flat cable (PC sensor) from the cord holder before lifting the keyboard. (Fig.18)**
If the keyboard is lifted without releasing the flat cable from the cord holder, the flat cable or the sensor may be damaged.
- 25-3 Remove the screw marked [MS13] and two (2) screws marked [MS03]. The data line filter and two (2) cord holders can then be removed from the keyboard assembly. (Fig. 19)

• Bottom View



• Top View

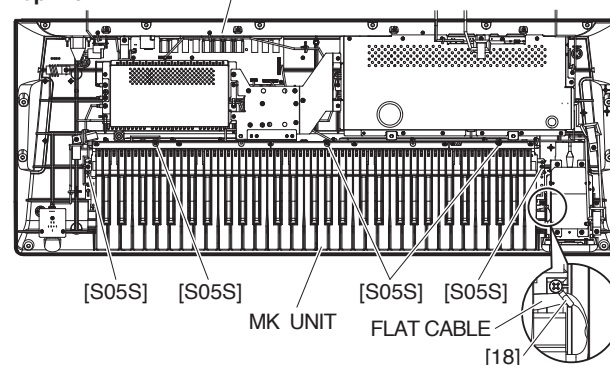


Fig. 18

※ This figure shows the Tyros5-61.

26. Keys (White and Black Keys)

- 26-1 Separate the upper case unit and lower case unit.
(See procedure 1.)
- 26-2 Remove the MK unit.
(See procedure 25-2.)
- 26-3 Remove the key stoppers corresponding to the keys to be replaced. (Table 1, Fig. 20)
- 26-4 **White key**
- 26-4-1 Place the white key in the horizontal position and remove it, lifting while pushing rearward. (Photo 4)
- * **At this time, a key guide cap may come off together. (Photo 6)**
- 26-5 **Black key**
- 26-5-1 Remove the white keys on the right and left sides of the black key to be removed. (Photo 4)
- 26-5-2 Place the black key in the horizontal position and remove it, lifting while pushing rearward. (Photo 5)



Photo 4

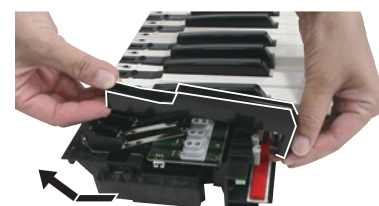


Photo 5

• Bottom View

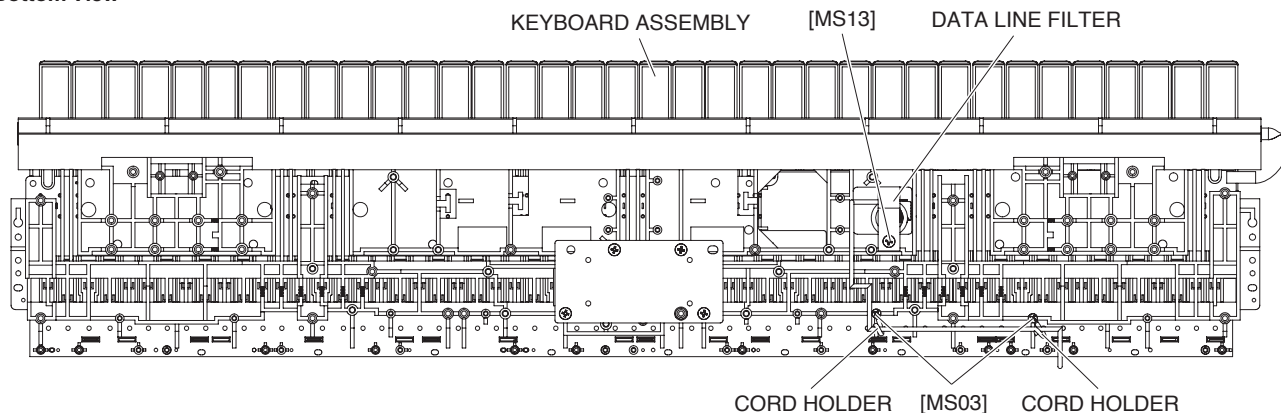
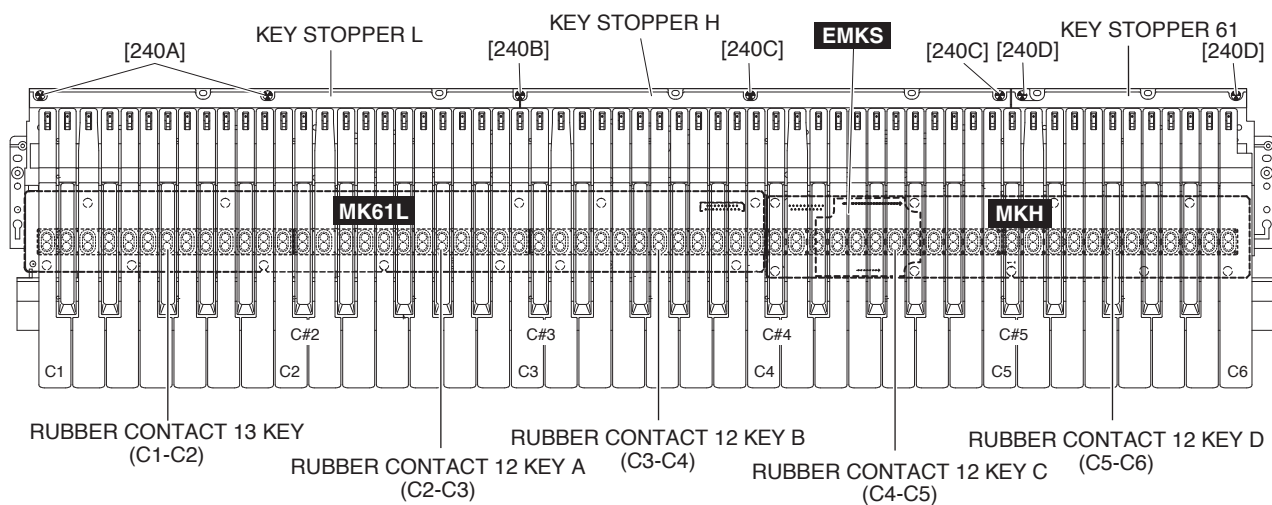


Fig. 19

• Tyros5-61



• Tyros5-76

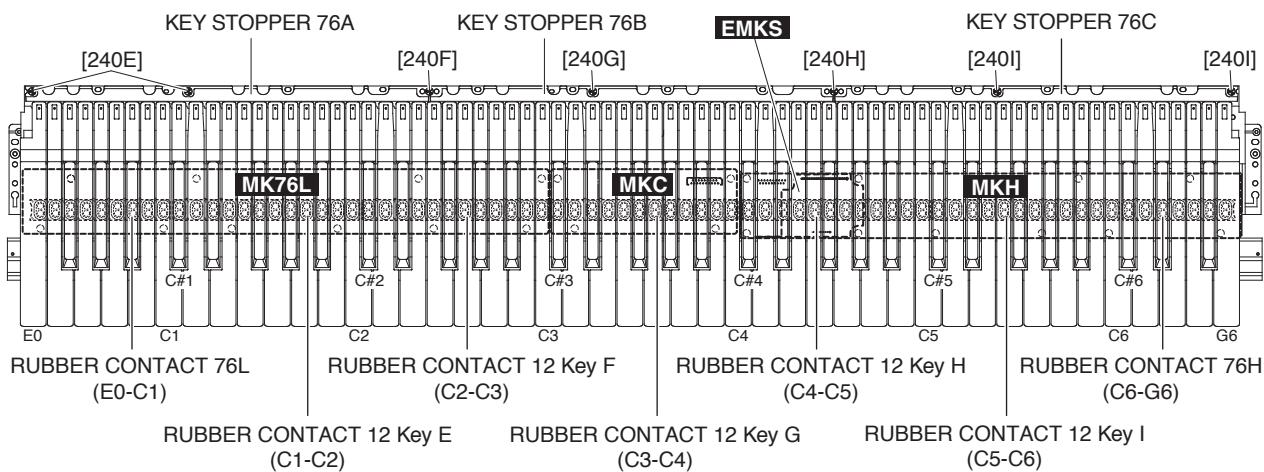


Fig. 20

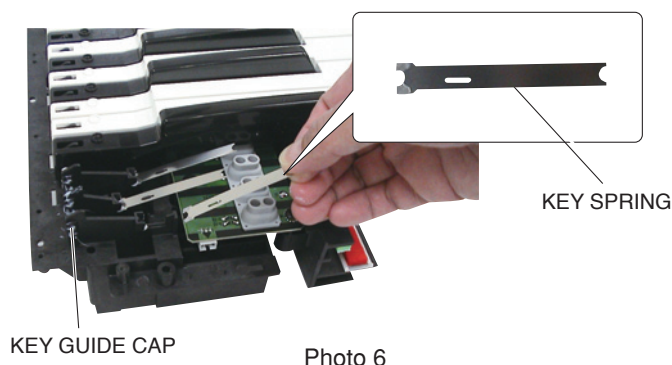


Photo 6

Table 1

Tyros5-61	KEY STOPPER L	KEY STOPPER H	KEY STOPPER 61
REMOVE SCREW	[240A] X 2, [240B] X 1	[240B] X 1, [240C] X 2	[240D] X 2
Tyros5-76	KEY STOPPER 76A	KEY STOPPER 76B	KEY STOPPER 76C
REMOVE SCREW	[240E] X 2, [240F] X 1	[240F] X 1, [240G] X 1 [240H] X 1	[240I] X 2

27. Installing Keys (White and Black Keys)

27-1 Black key

27-1-1 With the white keys to the right and left sides removed, lower the front end of the horizontal black key and fit it into the frame while pushing it rearward.

* **At this time, pay attention not to bend the key guide cap by lowering the front portion of the key too much. (Photo 6)**

27-2 White key

27-2-1 After installing the black keys, install the white keys in the same way as the black keys.
(See procedure 27-1.)

27-3 Install the removed key stoppers.
(Table 1, Fig. 20)

28. Disassembling Keyboard Assembly

28-1 Separate the upper case unit and lower case unit.
(See procedure 1.)

* **Be sure to remove the DM cover.**

28-2 Remove the MK unit. (See procedure 25-2.)

28-3 Rubber Contact

28-3-1 Remove the key stoppers and keys listed in the table 2, corresponding to the rubber contacts to be removed.
(Table 2, fig. 20) (See procedure 26.)

28-3-2 Pull out the rubber contact. (Fig. 20)

* **The orientation of rubber contacts on the keyboard is previously designated. Pay attention not to install the rubber contacts inversely. (Fig. 21)**

* **When installing the rubber contact, push it with the end of a clip. (Photo 7)**

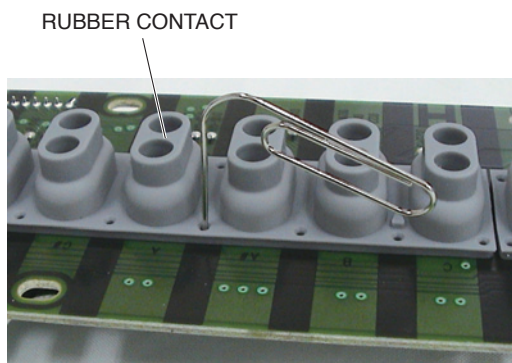


Photo 7

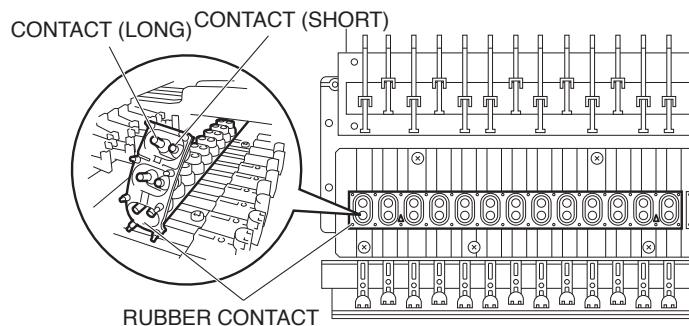


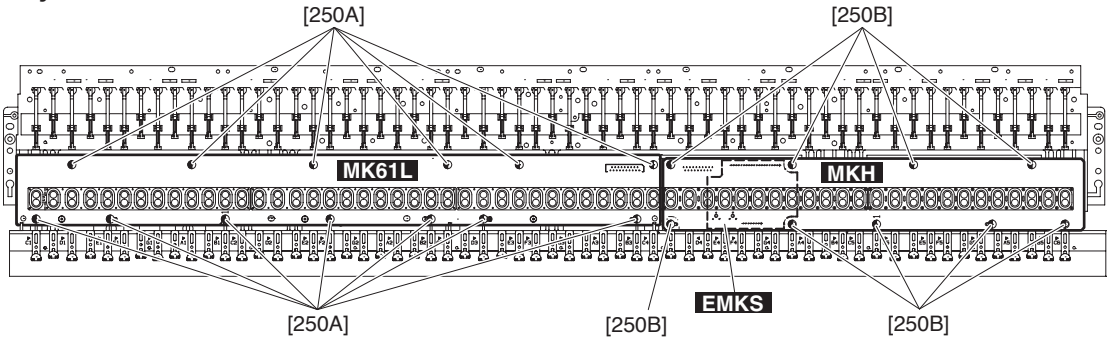
Fig. 21

Table 2

Tyros5-61	RUBBER CONTACT 13KEY	RUBBER CONTACT 12KEY A	RUBBER CONTACT 12KEY B	RUBBER CONTACT 12KEY C	RUBBER CONTACT 12KEY D
APPLICATION CIRCUIT BOARD	MK61L	MK61L	MK61L	MKH	MKH
REMOVE KEY STOPPER	L	L, H	L, H	H	61
REMOVE KEY	C1-C2	C2-C3	C3-C4	C4-C5	C5-C6

Tyros5-76	RUBBER CONTACT 76L	RUBBER CONTACT 12KEY E	RUBBER CONTACT 12KEY F	RUBBER CONTACT 12KEY G	RUBBER CONTACT 12KEY H	RUBBER CONTACT 12KEY I	RUBBER CONTACT 76H
APPLICATION CIRCUIT BOARD	MK76L	MK76L	MK76L	MKC	MKH	MKH	MKH
REMOVE KEY STOPPER	76A	76A	76A,76B	76B	76B,76C	76C	76C
REMOVE KEY	E0-C-1	C1-C2	C2-C3	C3-C4	C4-C5	C5-C6	C6-G6

• Tyros5-61



• Tyros5-76

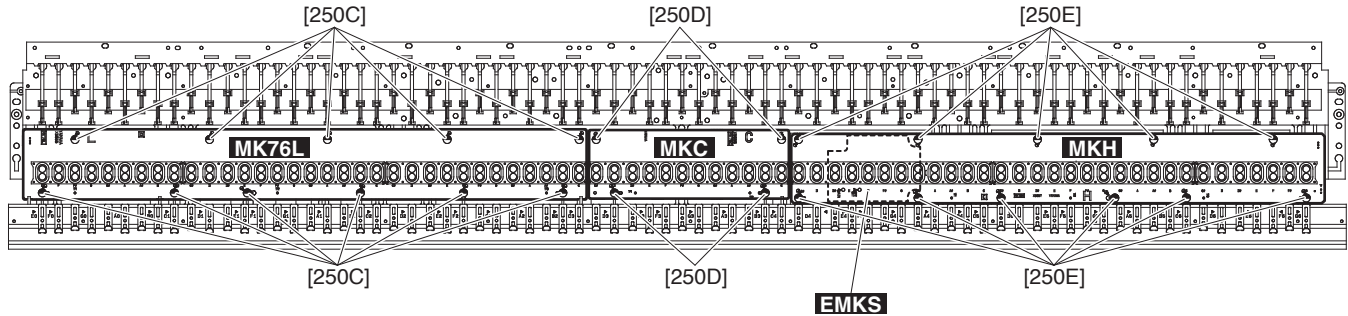


Fig. 22

28-4 **MK61L Circuit Board (Tyros5-61 only)**
(Time required: About 8 minutes)

- 28-4-1 Remove the key stopper L and key stopper H.
(Table 1, Fig. 20)
- 28-4-2 Remove the keys and the key springs from C1 to C4.
(See procedure 26.)
- 28-4-3 Remove the thirteen (13) screws marked [250A] and disconnect the connector from the underside of the keyboard unit. The MK61L circuit board can then be removed. (Fig. 22, Photo 8)

* **The rubber contacts are not parts of the MK61L circuit board. When replacing the MK61L circuit board, remove the rubber contacts from the circuit board and install them to new circuit board.**

28-5 **MK76L Circuit Board (Tyros5-76 only)**
(Time required: About 8 minutes)

- 28-5-1 Remove the key stopper 76 A and key stopper 76 B.
(Table 1, Fig. 20)
- 28-5-2 Remove the keys and the key springs from E0 to C3.
(See procedure 26.)
- 28-5-3 Remove the eleven (11) screws marked [250C] and disconnect the connector from the underside of the keyboard unit. The MK76L circuit board can then be removed. (Fig. 22, Photo 8)

* **The rubber contacts are not parts of the MK76L circuit board. When replacing the MK76L circuit board, remove the rubber contacts from the circuit board and install them to new circuit board.**

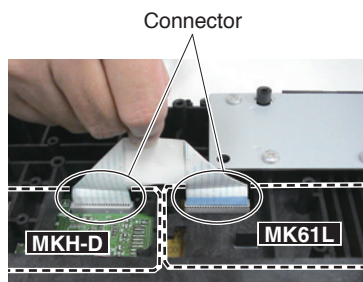


Photo 8
This Photo shows the Tyros5-61

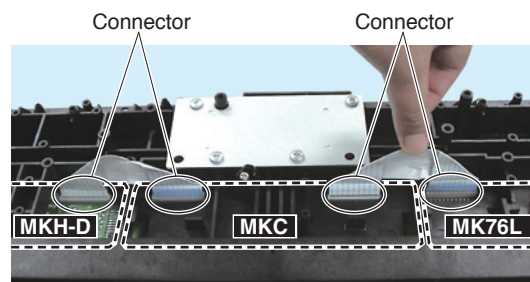


Photo 9
This Photo shows the Tyros5-76

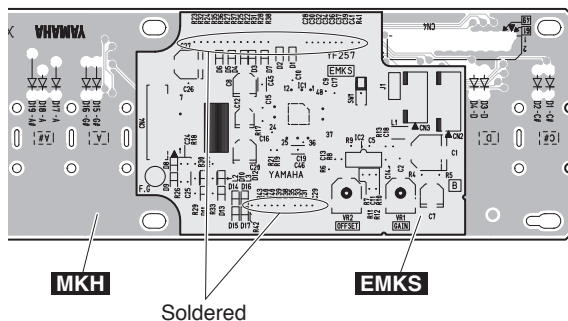


Fig. 23

28-6 MKC Circuit Board (Tyros5-76 only) (Time required: About 8 minutes)

- 28-6-1 Remove the key stopper 76 B. (Table 1, Fig. 20)
- 28-6-2 Remove the keys and the key springs from C3 to C4. (See procedure 26.)
- 28-6-3 Remove the four (4) screws marked [250D] and disconnect the connector from the underside of the keyboard unit. The MK76L circuit board can then be removed. (Fig. 22, Photo 9)

* **The rubber contacts are not parts of the MK76L circuit board. When replacing the MK76L circuit board, remove the rubber contacts from the circuit board and install them to new circuit board.**

28-7 MKH Circuit Board, EMKS Circuit Board (Time required: About 8 minutes)

- 28-7-1 Remove the key stopper H and key stopper 61. (Table 1, Fig. 20)
- 28-7-2 Remove the keys and key springs from C4 to C6. (See procedure 26.)
- 28-7-3 Remove the nine (9) screws marked [250B] (Tyros5-76 are eleven (11) screws marked [250E]) and disconnect the connectors from the underside of the keyboard. The MKH circuit board can then be removed. (Fig. 22, Photo 8)

* **The EMKS circuit board is a part of the MKH circuit board and is soldered to the MKH circuit board at connectors. (Fig.23)**

* **The rubber contacts are not parts of the MKH circuit board. When replacing the MKH circuit board, remove the rubber contacts from the circuit board and install them to new circuit board.**

29. Hard Disk Drive Unit

Turn the Tyros5's power off, disconnect any cables including AC power cord from the keyboard. Also make sure to close the LCD panel and disconnect a USB device from the [USB TO DEVICE] terminal. Turn the Tyros5 face down on a blanket or some soft surface, giving you direct access to the bottom of the instrument.

- 29-1 Remove the three (3) screws marked [S02C]. (Fig. 24)

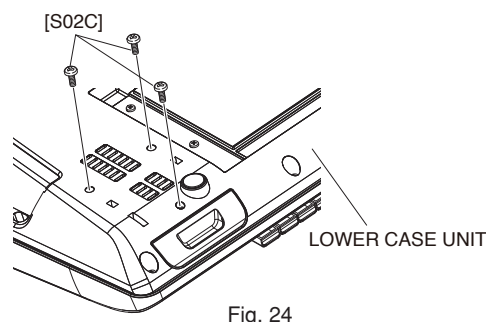


Fig. 24

- 29-2 Pull out the HDD bracket and disconnect the USB cable from the hard disk drive unit. (Fig. 25)

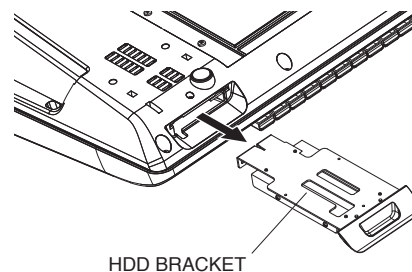


Fig. 25

- 29-3 Remove the four (4) screws marked [S08]. The hard disk drive unit can then be removed from the HDD bracket. (Fig. 26)

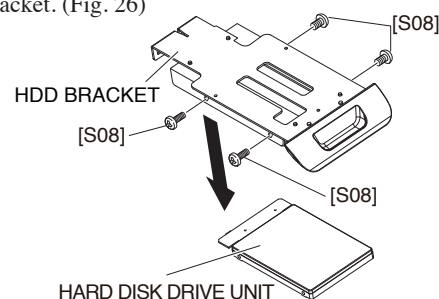


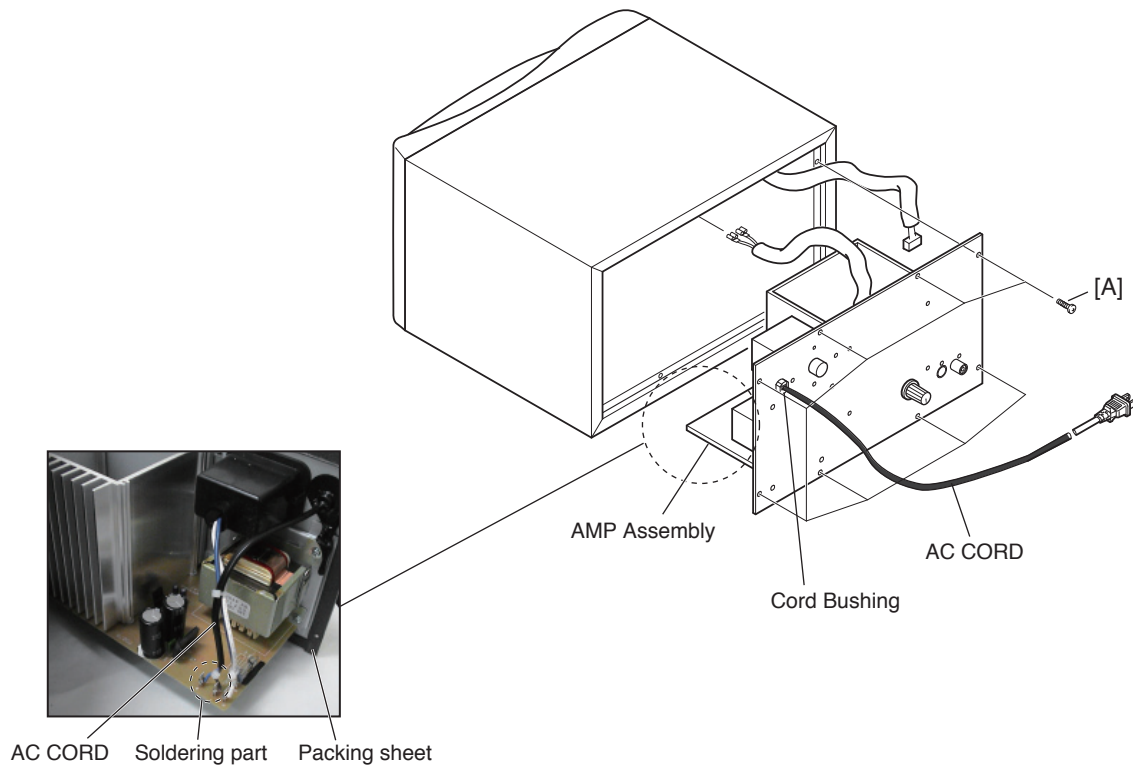
Fig. 26

■ DISASSEMBLY PROCEDURE (TRS-MS05)

1. AC Cord

(Time required: About 3 minutes)

- | | |
|--|---|
| <p>1-1 Remove the eight (8) screws marked [A]. The rear panel can then be removed. (Fig.1)</p> <p>* When reinstalling the rear panel, confirm that the packing is not damaged to avoid air leakage. (Fig.1)</p> <p>1-2 Remove the soldering portions of the AC cord from the AMP assembly. (Fig.1)</p> | <p>1-3 Remove the cord bushing from the rear panel. The AC cord can then be removed. (Fig.1)</p> <p>* When reinstalling the rear panel, confirm that the packing is not damaged to avoid air leakage. (Fig.1)</p> |
|--|---|



(Fig.1)

■ INSTALLING THE OPTIONAL FLASH MEMORY EXPANSION MODULE

Installing an optional flash memory expansion module to the Tyros5 allows you to add a variety of Voices by installing an Expansion Pack. This section explains how to install an expansion module to the Tyros5.

⚠ WARNING

- Before beginning installation, switch off the power to the Tyros5 and connected peripherals, and unplug them from the power outlet. Installation or removal of any devices should be started **ONLY** after the instrument (and the optional hardware) returns to normal room temperature. Then remove all cables connecting the Tyros5 to other devices. (Leaving the power cord connected while working can result in electric shock. Leaving other cables connected can interfere with work.)
- Be careful not to drop any screws inside the instrument during installation (this can be prevented by keeping the optional unit and cover away from the instrument while attaching). If this does happen, be sure to remove the screw(s) from inside the instrument before turning the power on. Loose screws inside the instrument can cause improper operation or serious damage. If you are unable to retrieve a dropped screw, consult your Yamaha dealer for advice.
- Install the optional unit carefully as described in the procedure below. Improper installation can cause shorts which may result in irreparable damage and pose a fire hazard.
- Do not disassemble, modify, or apply excessive force to board areas or the connector on an optional module unit. Bending or tampering with the board and connector may lead to electric shock, fire, or equipment failures.

⚠ CAUTION

- Do not touch the exposed metal parts in the circuit board. Touching these parts may result in a faulty contact.
- Be careful not to misplace any of the screws since all of them are used.
- Be careful of static electricity. Static electricity discharge can damage the module or the instrument. Before you handle the module, to reduce the possibility of static electricity, touch some unpainted metal surface or a ground wire on a device that is grounded.
- Do not use any screws other than what are installed on the instrument.
- It is recommended that you wear gloves to protect your hands from metallic projections on the optional unit and other components. Touching leads or the connector with bare hands may cause finger cuts, and may also result in poor electrical contact or electrostatic damage.
- Handle the optional unit with care. Dropping or subjecting it to any kind of shock may cause damage or result in a malfunction.

Compatible Flash Memory Expansion Modules

Two types of the module are available as follows:

- **FL512M**..... Features a memory size of 512 MB.
- **FL1024M**..... Features a memory size of 1024 MB.

NOTE:

In the Tyros5, one socket is available.

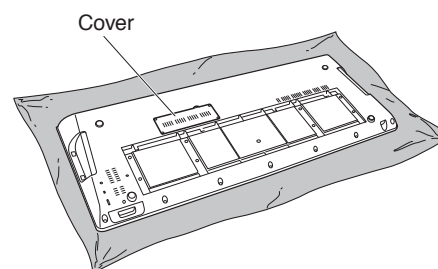
Flash Memory Expansion Module Installation

Before following the steps below, make sure you have appropriate module, a Philips screwdriver and ample space to work.

- 1 Turn the Tyros5's power off, and disconnect any cables including AC power cord from the keyboard.**

Also make sure to close the LCD panel and disconnect the Tyros5 from any connected external devices.

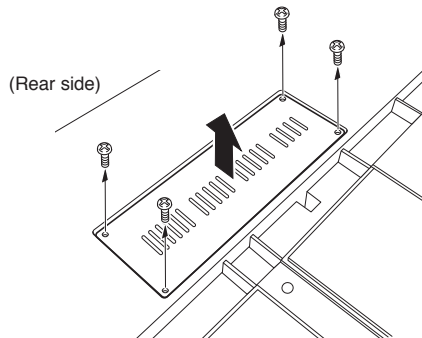
- 2 Turn the Tyros5 face down on a blanket or some soft surface, giving you direct access to the bottom of the instrument.**



⚠ CAUTION

Since the instrument is heavy, this procedure should not be done alone, but by two or three people.

3 Remove the four screws from the cover.

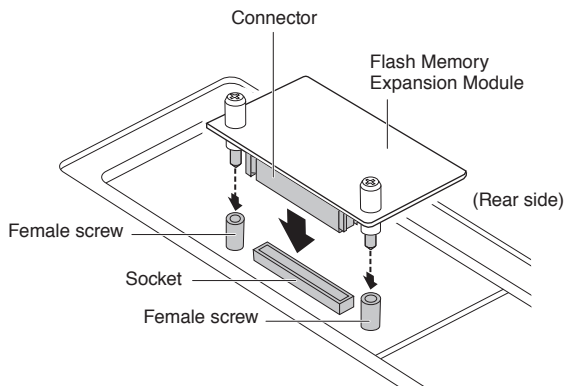


NOTE:

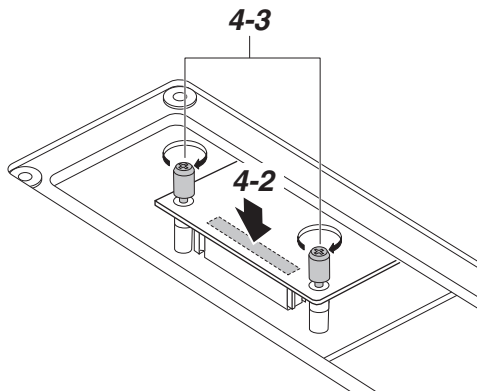
Keep the removed screws in a safe place. They will be used when reattaching the cover to the instrument after installation.

4 Insert the module into the socket by following the procedure below.

4-1 Insert the module vertically in the socket and position the screws (of the module) to the female screws respectively.



4-2 Press the top of the connector as shown, then push the connector firmly into the socket.

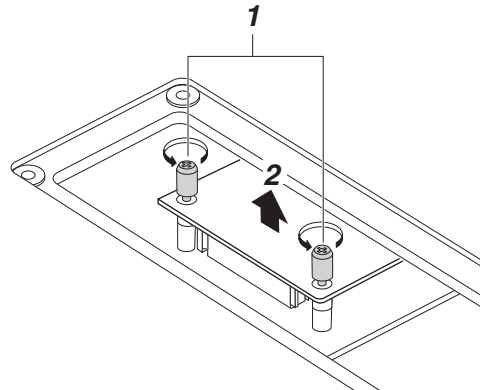


4-3 Tighten each screw of the module to each female screw of the Tyros5 with your hand as shown.

5 Re-install the cover you removed in step 3, in reverse order.

Removing Flash Memory ExpansionModule

1 Loosen both the screws with your hand as shown below.



NOTE:

- If you cannot loosen the screws with your hand, use a Phillipsscrewdriver. In this case, be careful NOT to scratch the module or the Tyros5.
- Be careful NOT to drop the screws inside the instrument when loosening them.

2 Pull the module vertically out of the socket.

3 Attach the cover to the bottom panel.

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

DM: IC203, IC204

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: IC200-202

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	DV	-	Digital ground	15	TTL	I	CMOS/TTL level select
2	DVDD	-	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	AVDD	-	Analog power supply +5 V
5	BICK	I	Audio serial data clock	19	AVSS	-	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

● BD6590MUV-E2 (YD867A00) DC-DC CONVERTER

DM: IC400

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

● TMP89FM42AUG (YF075B00) LSC2

PNL,PNR: IC1

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	VSS	-	GND pin	23	P42	I/O	PORT42
2	P00	I/O	PORT00	24	P43	I/O	PORT43
3	P01	I/O	PORT01	25	P44	I/O	PORT44
4	MODE	I	Test pin for out-going test (fix to Low level).	26	P45	I/O	PORT45
5	VDD	-	VDD pin	27	P46	I/O	PORT46
6	P02	I/O	PORT02	28	P47	I/O	PORT47
7	P03	I/O	PORT03	29	P74	I/O	PORT74
8	P10	I/O	PORT10	30	P75	I/O	PORT75
9	P11	I/O	PORT11	31	P76	I/O	PORT76
10	P12	I/O	PORT12	32	P77	I/O	PORT77
11	P13	I/O	PORT13	33	P90	I/O	PORT90
12	P20	I/O	PORT20	34	P91	I/O	PORT91
13	P21	I/O	PORT21	35	P80	I/O	PORT80
14	P22	I/O	PORT22	36	P81	I/O	PORT81
15	P23	I/O	PORT23	37	P70	I/O	PORT70
16	P24	I/O	PORT24	38	P71	I/O	PORT71
17	P25	I/O	PORT25	39	P72	I/O	PORT72
18	P26	I/O	PORT26	40	P73	I/O	PORT73
19	P27	I/O	PORT27	41	PB4	I/O	PORTB
20	VAREF/AVDD	I	Analog reference voltage input pin for A/D conversion. /Analog power supply pin.	42	PB5	I/O	PORTB5
21	P40	I/O	PORT40	43	PB6	I/O	PORTB6
22	P41	I/O	PORT41	44	PB7	I/O	PORTB7

● GL852G-MNG03 (YC486A00) USB 2.0 MTT HUB CONTROLLER

DM: IC505

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	AVDD	-	Analog power supply +3.3 V	25	SEL48#	-	Digital power supply +3.3 V
2	AGND	-	Analog ground	26	RESET#	I	External reset input
3	DM0	I/O	} USB signals for USPORT	27	TEST	I	Test signal
4	DP0	I/O		28	OVCUR4#	I	Over current indicator for DSPORT4
5	DM1	I/O	} USB signals for DSPORT1	29	PWREN4#	O	Power enable output for DSPORT4
6	DP1	I/O		30	OVCUR3#	I	Over current indicator for DSPORT3
7	AVDD	-	Analog power supply +3.3 V	31	PWREN3#	O	Power enable output for DSPORT3
8	AGND	-	Analog ground	32	GREEN3	O	Green LED indicator for DSPORT3
9	DM2	I/O	} USB signals for DSPORT2	33	AMBER3	O	Amber LED indicator for DSPORT3
10	DP2	I/O		34	DVDD	-	Digital power supply +3.3 V
11	RREF	I/O	Reference resistor connection	35	GREEN2/EE_DO	O	Green LED indicator for DSPORT2
12	AVDD	-	Analog power supply +3.3 V	36	AMBER2/EE_DI	O	Amber LED indicator for DSPORT2
13	AGND	-	Analog ground	37	PSELF	I	SELF/BUS power setting
14	X1	I	12MHz crystal clock input	38	DVDD	-	Digital power supply +3.3 V
15	X2	O	12MHz crystal clock output	39	PGANG	I/O	Individual/gang mode setting
16	AVDD	-	Analog power supply +3.3 V	40	OVCUR2#	I	Over current indicator for DSPORT2
17	DM3	I/O	} USB signals for DSPORT3	41	PWREN2#	O	Power enable output for DSPORT2
18	DP3	I/O		42	OVCUR1#	I	Over current indicator for DSPORT1
19	AVDD	-	Analog power supply +3.3 V	43	PWREN1#	O	Power enable output for DSPORT1
20	AGND	-	Analog ground	44	SEL27#	-	Digital power supply +3.3 V
21	DM4	I/O	} USB signals for DSPORT4	45	GREEN1/EE_SK	O	Green LED indicator for DSPORT1
22	DP4	I/O		46	AMBER1/EE_CS	O	Amber LED indicator for DSPORT1
23	GREEN4	O	Green LED indicator for DSPORT4	47	V5	-	Power Supply +5V
24	AMBER4	O	Amber LED indicator for DSPORT4	48	DVDD	-	Digital power supply +3.3 V

● **TMP89FW24AFG-7KH4 (YD841B00) E-PNS3a**PNL : IC2
PNR : IC2

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	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

● **MB9AF131KAPMC-G-10 (YF210A00) E-VKS**

EMKS: IC1

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	VCC	-	Power supply pin	24	VSS	-	GND pin
2	P50	I/O	General-purpose I/O port 5	25	P10	I/O	General-purpose I/O port 1
3	P51	I/O		26	P11	I/O	
4	P52	I/O		27	P12	I/O	
5	P39	I/O		28	P13	I/O	
6	P3A	I/O	General-purpose I/O port 3	29	P14	I/O	
7	P3B	I/O		30	P15	I/O	
8	P3C	I/O		31	AVCC	-	A/D converter analog power pin
9	P3D	I/O		32	AVRH	-	A/D converter analog reference voltage input pin
10	P3E	I/O		33	AVSS	-	A/D converter GND pin
11	P3F	I/O	GND pin	34	P23	I/O	General-purpose I/O port 2
12	VSS	-		35	P22	I/O	
13	C	-		36	P21	I/O	
14	VCC	-		37	P00	I/O	General-purpose I/O port 0
15	P46	I/O	General-purpose I/O port 4	38	P01	I/O	
16	P47	I/O		39	P02	I/O	
17	INIYX	I	External Reset Input pin. A reset is valid when INITX = L.	40	P03	I/O	
18	P49	I/O	General-purpose I/O port 4	41	P04	I/O	General-purpose I/O port 6
19	P4A	I/O		42	P0F	I/O	
20	PE0	I/O	General-purpose I/O port E	43	P61	I/O	
21	MD0	I	Mode 0 pin. During normal operation, MD0 = L must be input. During serial programming to flash memory, MD0 = H must be input.	44	P60	I/O	
22	PE2	I/O	General-purpose I/O port E	45	P80	I/O	General-purpose I/O port 8
23	PE3	I/O		46	P81	I/O	
				47	P82	I/O	GND pin
				48	VSS	-	

● BU8254KVT-E2 (YF117A00) LVDS TRANSMITTER

DM: IC511

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	TD5	I	Pixel data inputs	33	TA0	I	Pixel data inputs
2	GND	-	Ground pins for LVCMOS inputs and digital core	34	TA1	I	
3	TD6	I	Pixel data inputs	35	TA2	I	
4	TE0	I		36	TA3	I	
5	TE1	I		37	TA4	I	Ground pins for LVCMOS inputs and digital core
6	TE2	I		38	TA5	I	
7	VDD	-	Power supply pins for LVCMOS inputs and digital core	39	GND	-	
8	TE3	I	Pixel data inputs	40	TA6	I	
9	TE4	I		41	TB0	I	Pixel data inputs
10	GND	-	Ground pins for LVCMOS inputs and digital core	42	TB1	I	
11	TE5	I	Pixel data inputs	43	RS	I	
12	CLK_IN	I	Clock input	44	TB2	I	Pixel data inputs
13	XRST	I	H:Normal operation, L:Power down (all outputs are Hi-Z)	45	TB3	I	
14	PLL_GND	-	Ground pins for PLL coore	46	TB4	I	
15	PLL_VDD	-	Power supply pin for PLL core	47	GND	-	Ground pins for LVCMOS inputs and digital core
16	TE6	I	Pixel data inputs	48	TB5	I	
17	LVDS_GND	-	Ground pins for LVDS outputs	49	TB6	I	
18	TEP	O	LVDS data out	50	TC0	I	
19	TEN	O		51	VDD	-	Pixel data inputs
20	TDP	O		52	TC1	I	
21	TDN	O		53	TC2	I	
22	TCLKP	O	LVDS clock out	54	TC3	I	
23	TCLKN	O		55	TC4	I	Ground pins for LVCMOS inputs and digital core
24	TCP	O		56	GND	-	
25	TCN	O		57	TC5	I	
26	LVDS_GND	-	Ground pins for LVDS outputs	58	TC6	I	Pixel data inputs
27	LVDS_VDD	-	Power supply pins for LVDS outputs	59	TD0	I	
28	TBP	O	LVDS data out	60	RF	I	
29	TBN	O		61	TD1	I	Pixel data inputs
30	TAP	O		62	TD2	I	
31	TAN	O		63	TD3	I	
32	LVDS_GND	-	Ground pins for LVDS outputs	64	TD4	I	

● BU90R104-E2 (YF118A00) LVDS RECEIVER

LCL: IC100

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	GND	-	GND pin for both data output driver cells and the digital cores	32	RB6	O	LVCMOS data outputs
2	RESERVE	I	Reserved input must be "Low" for normal operation	33	RB5	O	
3	PD	I	Power down input for the internal system.	34	RB4	O	
4	OE	I	Power down input for the data output driver.	35	RB3	O	
5	R/F	I	H:Output enable (Normal operation). L:Output disable (All output are "Hi-Z")	36	RB2	O	3.3V output driver and digital core power supply pin
6	RE6	O	Select input pin for data output clock triggering edge.	37	VDD	O	
7	RE5	O	H:Output data is latched on rising edge. L:Output data is latched on falling edge	38	RB1	-	
8	RE4	O	LVCMOS data outputs	39	RB0	O	
9	VDD	-		40	RA6	O	LVCMOS data outputs
10	RE3	O		41	RA5	O	
11	RE2	O		42	RA4	O	
12	RE1	O	LVCMOS data outputs	43	RA3	O	
13	RE0	O		44	GND	O	GND pin for both data output driver cells and the digital cores
14	RD6	O		45	RA2	-	
15	RD5	O		46	RA1	O	
16	GND	-	GND pin for both data output driver cells and the digital cores	47	RA0	O	3.3V output driver and digital core power supply pin
17	RD4	O	LVCMOS data outputs	48	VDD	O	
18	RD3	O		49	RA-	-	
19	RD2	O		50	RA+	I	
20	RD1	O	LVCMOS data outputs	51	RB-	I	LVDS data input
21	RD0	O		52	RB+	I	
22	RC6	O		53	LVDD	I	
23	VDD	-		54	RC-	-	
24	RC5	O	3.3V output driver and digital core power supply pin	55	RC+	I	LVDS clock input
25	RC4	O		56	RCLK-	I	
26	RC3	O		57	RCLK+	I	
27	RC2	O		58	LGND	-	Ground pin for LVDS input
28	RC1	O	LVCMOS data outputs	59	RD-	I	
29	RC0	O		60	RD+	I	
30	GND	-	GND pin for both data output driver cells and the digital cores	61	RE-	I	
31	CLKOUT	O	LVCMOS level clock output	62	RE+	I	Ground pin for PLL core
				63	PGND	-	
				64	PVDD	-	

• **μPD720150GK-9EU-A (YD546A00) USB CONTROLLER**

DM: IC502

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	49	XT2	O	Oscillator out Connect to 30 MHz crystal.
3	A4	I	(Separate mode) Address bus	50	V _{SS}	-	Ground
4	A3	I	(Separate mode) Address bus	51	TESTEN	I	Test signal This must be opened on board.
5	A2	I	(Separate mode) Address bus	52	TRST	I	Test signal This must be opened on board.
6	ALE/A1	I	(Separate mode) Address bus / (Multiplex mode) Address strobe signal	53	TEST	I	Test signal This must be opened on board.
7	D15	I/O	Data bus	54	VDD15OUT	O	+1.5V voltage output from internal regulator.
8	V _{DD15}	-	+1.5 V power supply. These pins must be supplied from VDD15OUT, output from internal regulator.	55	V _{DD}	-	+3.3V power supply
9	D14	I/O	Data bus	56	V _{DD}	-	+3.3V power supply
10	D13	I/O	Data bus	57	V _{SS}	-	Ground
11	D12	I/O	Data bus	58	TESTREG	I	Test signal This must be opened on board.
12	V _{DD}	-	+3.3V power supply	59	AV _{SS} (R)	-	Ground for reference resistor
13	D11	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} .
14	D10	I/O	Data bus	61	AV _{DD33}	-	+3.3V power supply for analog circuit.
15	V _{SS}	-	Ground	62	AV _{DD15}	-	+1.5V power supply for analog circuit.
16	D9	I/O	Data bus	63	AV _{SS}	-	Ground for analog circuit
17	AD8/D8	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	64	V _{SS}	-	Ground
18	AD7/D7	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	65	DM1	I/O	USB D- signal
19	AD6/D6	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	66	DP1	I/O	USB D+ signal
20	AD5/D5	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.
21	V _{DD}	-	+3.3V power supply	68	V _{DD}	-	+3.3V power supply
22	AD4/D4	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	69	DM2	I/O	USB D- signal
23	AD3/D3	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	70	DP2	I/O	USB D+ signal
24	V _{SS}	-	Ground	71	V _{SS}	-	Ground
25	AD2/D2	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.
26	AD1/D1	I/O	(Multiplex mode) Address/Data bus / (Separate mode) Data bus	73	V _{DD}	-	+3.3V power supply
27	D0	I/O	Data bus	74	PPON2	O	(Host) USB port power supply control output for downstream facing ports. 0: Power supply OFF 1: Power supply ON
28	V _{DD15}	-	+1.5V power supply. These pins must be supplied from VDD15OUT, output from internal regulator.	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.
29	CS0	I	Chip select signal	76	PPON1	O	(Host) USB port power supply control output for downstream facing ports. 0: Power supply OFF 1: Power supply ON
30	RD0	I	Read enable signal	77	ALEPOL	I	ALE Active level select signal ALE 0: Low active 1: High active
31	WR0	I	Write enable signal	78	A8	I	(Separate mode) Address bus
32	INT	O	Interrupt request signal	79	A7	I	(Separate mode) Address bus
33	DREQ1	O	DMA request signal	80	A6	I	(Separate mode) Address bus
34	DACK1	I	DMA acknowledge signal				
35	V _{DD}	-	+3.3V power supply				
36	DREQ2	O	DMA request signal				
37	DACK2	I	DMA acknowledge signal				
38	V _{SS}	-	Ground				
39	GPIO5	I/O	General purpose I/O				
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				
44	GPIO0	I/O	General purpose I/O				
45	BUSMODE	I	Bus mode select signal (Separate/Multiplex). 0: Multiplex mode 1: Separate mode				
46	RST0	I	Asynchronous reset signal				
47	V _{DD}	-	+3.3V power supply				

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

DM: IC700, IC701

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

PIN NO.	OUTER NO.	NAME	I/O	FUNCTION	PIN NO.	OUTER NO.	NAME	I/O	FUNCTION
195	P1	LMD11	I/O	Wave memory data bus (Lower 16 bit)	292	AC8	VDDC	-	Power supply +1.5 V
196	P2	LMD4	I/O		293	AC9	VDDC	-	
197	P3	LMD3	I/O		294	AC10	VDDC	-	
198	P4	VDD5	-	Power supply +3.3 V	295	AC11	VDDC	-	Power supply +1.5 V
199	P11	VSS	-		296	AC12	VDDC	-	
200	P12	VSS	-		297	AC13	VDDC	-	
201	P13	VSS	-	Ground	298	AC14	VDD5	-	Power supply +3.3 V
202	P14	VSS	-		299	AC15	VDD5	-	
203	P15	VSS	-		300	AC16	VDD5	-	
204	P16	VSS	-	Analog power supply +1.5 V (PLL)	301	AC17	VDD5	-	Power supply +3.3 V
205	P23	PLL_AVD	-		302	AC18	VDD5	-	
206	P24	CA15	I		303	AC19	VDD5	-	
207	P25	XI	I	Address bus of internal register	304	AC20	VDD5	-	Ground
208	P26	XO	O	Crystal oscillator input	305	AC21	VDD5	-	
209	R1	LMD12	I/O	Wave memory data bus (Lower 16 bit)	306	AC22	VSS	-	
210	R2	LMD10	I/O		307	AC23	VSS	-	Test pin
211	R3	LMD5	I/O		308	AC24	TEST1	I	
212	R4	VDD5	-	Power supply +3.3 V	309	AC25	SYI	I	Synchronous clock
213	R11	VSS	-		310	AC26	ESCL	I/O	
214	R12	VSS	-		311	AD1	LMA19	O	Wave memory address bus (Lower data memory)
215	R13	VSS	-	Ground	312	AD2	LMA3	O	
216	R14	VSS	-		313	AD3	VSS	-	
217	R15	VSS	-	Power supply +1.5 V	314	AD4	LMA17	O	Wave memory address bus (Lower data memory)
218	R16	VSS	-		315	AD5	LMA6	O	
219	R23	VDDC	-		316	AD6	LMA8	O	Wave memory address bus (Upper data memory)
220	R24	PLL_TSTN	I	Test pin	317	AD7	LMA13	O	
221	R25	RFCLKI	I	PLL Clock	318	AD8	LMA11	O	Wave memory data bus (Upper data memory)
222	R26	RFCLKO	O		319	AD9	HMD11	I/O	
223	T1	LMD2	I/O		320	AD10	HMD12	I/O	Wave memory data bus (Upper data memory)
224	T2	LMD13	I/O	Power supply +3.3 V	321	AD11	HMD2	I/O	
225	T3	LMD6	I/O		322	AD12	HMD9	I/O	
226	T4	VDD5	-	Ground	323	AD13	HMD7	I/O	Wave memory address bus (Upper data memory)
227	T11	VSS	-		324	AD14	HMA29	O	
228	T12	VSS	-		325	AD15	HMA26	O	Wave memory address bus (Upper data memory)
229	T13	VSS	-	Power supply +1.5 V	326	AD16	HMA24	O	
230	T14	VSS	-		327	AD17	HMA21	O	
231	T15	VSS	-		328	AD18	HMA2	O	Wave memory address bus (Upper data memory)
232	T16	VSS	-	Chip select	329	AD19	HMA18	O	
233	T23	VDDC	-		330	AD20	HMA5	O	
234	T24	CSN1	I	Test pin	331	AD21	HMA7	O	Ground
235	T25	CSN0	I		332	AD22	HMA14	O	
236	T26	PLL_BP	I		333	AD23	HMA10	O	Synchronous clock
237	U1	LMD9	I/O	Wave memory data bus (Lower 16 bit)	334	AD24	VSS	-	
238	U2	LMD14	I/O		335	AD25	VSS	-	
239	U3	LMD1	I/O		336	AD26	SYO	O	Ground
240	U4	VDD5	-	Power supply +3.3 V	337	AE1	VSS	-	
241	U23	VDDC	-		338	AE2	VSS	-	
242	U24	TRST	I	Power supply +1.5 V	339	AE3	LMA18	O	Wave memory address bus (Lower data memory)
243	U25	RDN	I	Test pin	340	AE4	LMA5	O	
244	U26	WRN	I	Read strobe	341	AE5	LMA7	O	
245	V1	LMD7	I/O	Write strobe	342	AE6	LMA14	O	Wave memory address bus (Lower data memory)
246	V2	LMD8	I/O	Wave memory data bus (Lower 16 bit)	343	AE7	LMA10	O	
247	V3	LMD15	I/O		344	AE8	MWEN	O	
248	V4	VDD5	-		345	AE9	HMD4	I/O	Wave memory write enable
249	V23	VDDC	-	Power supply +3.3 V	346	AE10	HMD10	I/O	
250	V24	TCK	I		347	AE11	HMD13	I/O	
251	V25	DREQO	O	Power supply +1.5 V	348	AE12	HMD14	I/O	Wave memory data bus (Upper data memory)
252	V26	WAITO	O	DMA request	349	AE13	HMD8	I/O	
253	W1	LMD0	I/O	Hardware wait request	350	AE14	HMA30	O	
254	W2	LMA30	O	Wave memory data bus (Lower 16 bit)	351	AE15	HMA27	O	Wave memory address bus (Upper data memory)
255	W3	LMA29	O		352	AE16	HMA0	O	
256	W4	VDD5	-		353	AE17	HMA23	O	
257	W23	VDDC	-	Power supply +3.3 V	354	AE18	HMA20	O	Wave memory address bus (Upper data memory)
258	W24	TMS	I	Power supply +1.5 V	355	AE19	HMA3	O	
259	W25	SLAVE	I	Test pin	356	AE20	HMA17	O	
260	W26	IRQO	O	Master/Slave select	357	AE21	HMA6	O	Wave memory address bus (Upper data memory)
261	Y1	LMA28	O	Interrupt request	358	AE22	HMA8	O	
262	Y2	LMA27	O	Wave memory address bus (Lower data memory)	359	AE23	HMA13	O	
263	Y3	LMA26	O		360	AE24	HMA11	O	Ground
264	Y4	VDD5	-		361	AE25	VSS	-	
265	Y23	VDDC	-	Power supply +3.3 V	362	AE26	VSS	-	
266	Y24	TDI	I		363	AF1	VSS	-	Wave memory address bus (Lower data memory)
267	Y25	KONTRGi	I	Power supply +1.5 V	364	AF2	VSS	-	
268	Y26	ICN	I	Test pin	365	AF3	LMA4	O	
269	AA1	LMA25	O	Key on data	366	AF4	LMA16	O	Wave memory address bus (Lower data memory)
270	AA2	LMA0	O	Initial clear	367	AF5	LMA15	O	
271	AA3	LMA24	O	Wave memory address bus (Lower data memory)	368	AF6	LMA9	O	
272	AA4	VDD5	-		369	AF7	LMA12	O	Wave memory output enable
273	AA23	VDDC	-		370	AF8	MOEN	O	
274	AA24	TDO	O	Power supply +3.3 V	371	AF9	HMD3	I/O	Wave memory data bus (Upper data memory)
275	AA25	EIRQ	O	Power supply +1.5 V	372	AF10	HMD5	I/O	
276	AA26	KONTRGo	O	Test pin	373	AF11	HMD6	I/O	
277	AB1	LMA22	O	E bus interrupt request	374	AF12	HMD1	I/O	Wave memory data bus (Upper data memory)
278	AB2	LMA23	O	Key on data	375	AF13	HMD15	I/O	
279	AB3	LMA21	O	Wave memory address bus (Lower data memory)	376	AF14	HMD0	I/O	
280	AB4	VSS	-		377	AF15	HMA28	O	Wave memory address bus (Upper data memory)
281	AB23	VSS	-		378	AF16	HMA25	O	
282	AB24	TMODE	I	Ground	379	AF17	HMA22	O	
283	AB25	ESDA	I/O		380	AF18	HMA1	O	Wave memory address bus (Upper data memory)
284	AB26	EICN	O		381	AF19	HMA19	O	
285	AC1	LMA1	O	Test pin	382	AF20	HMA4	O	Wave memory address bus (Upper data memory)
286	AC2	LMA20	O	E bus data	383	AF21	HMA16	O	
287	AC3	LMA2	O	E bus initial clear	384	AF22	HMA15	O	
288	AC4	VSS	-	Wave memory address bus (Lower data memory)	385	AF23	HMA9	O	Ground
289	AC5	VSS	-		386	AF24	HMA12	O	
290	AC6	VDDC	-		387	AF25	VSS	-	
291	AC7	VDDC	-	Power supply +1.5 V	388	AF26	VSS	-	

● R8A77310D333BG (YC170A00) MAIN CPU

DM: IC100

PIN NO.	OUTER NO.	NAME	I/O	FUNCTION	PIN NO.	OUTER NO.	NAME	I/O	FUNCTION
1	A1	AV33	I	3.3 V power supply for USB reference power supply circuit Always used	110	E10	VccQ	I	I/O power supply (3.3V)
2	A2	Vss	I	Ground	111	E11	VccQ	I	
3	A3	XTAL	O	Clock output	112	E12	Vss	I	
4	A4	EXTAL	I	External clock input	113	E13	Vss	I	
5	A5	PTG3/AUDATA3	I/O	Port / AUD data output	114	E14	Vss	I	Ground
6	A6	AUDCK	O	AUD clock	115	E15	VccQ	I	
7	A7	TCK	I	H-UDI test clock input	116	E16	VccQ	I	
8	A8	PTJ6	I/O	Port	117	E17	VccQ	I	
9	A9	RCLK	I	32.768kHz clock input	118	E18	VccQ	I	I/O power supply (3.3V)
10	A10	TSTMD	I	Test mode setting	119	E19	Vss	I	
11	A11	MD0	I	Mode setting pin	120	E20	Vss	I	
12	A12	PTS1/SCIF0_RXD	I/O	Port / SCIF receive data	121	E21	Vss	I	
13	A13	PTK4/SIOF1_SYNC	I/O	Port / SIOF1 frame signal	122	E22	PTX1/LCDD19	I/O	Port / LCD data bus
14	A14	PTK1/SIOF1_TXD	I/O	Port / SIOF1 output data	123	E23	PTH1/LCDD17	I/O	
15	A15	PTK0/SIOF1_MCK	I/O	Port / SIOF1 master clock input	124	E24	PTH0/LCDD16	I/O	
16	A16	PTQ4/SIOF0_SYNC	I/O	Port / SIOF frame signal	125	E25	PTL6/LCDD14	I/O	
17	A17	PTF6/SIOMCK	I	Port / SIO master clock	126	F1	AG33	I	3.3 V power supply ground for USB reference power supply circuit
18	A18	PTF2/SIOD	I	Port / SIO transmit/receive data	127	F2	AG12	I	
19	A19	PTD5/SDHID30	I/O	Port / SD data bus	128	F3	UG12	I	
20	A20	PTD1/SDHICMD	I/O	Port / SD command	129	F4	VBUS	I	
21	A21	PTB3/CSBCEIB/LCDCS2	I/O	Port / Chip select / LCD chip select 2	130	F5	DV33	I	1.2 V power supply ground for USB-PLL 1.2 V power supply ground for USB-UTM480 USB VBUS pin 3.3V power supply for USB driver/receiver (3.3V) Ground
22	A22	PTH6/LCDVSYN2DACX0	I/O	Port / LCD vertical synchronized signal / DMA transfer request acknowledge	131	F21	Vss	I	
23	A23	Vdd_PLL	I	PLL power supply	132	F22	PTL7/LCDD15	I/O	
24	A24	Vss_PLL	I	PLL ground	133	F23	PTL4/LCDD12	I/O	
25	A25	Vss	I	Ground	134	F24	PTL3/LCDD11	I/O	Port / LCD data bus
26	B1	AV12	I	1.2V power supply for USB-PLL	135	F25	PTL2/LCDD10	I/O	
27	B2	Vss	I	Ground	136	G1	EXTALUSB	I	
28	B3	PTJ1/KEYIN0/IRQ6	I/O	Port / Key input / Interrupt request	137	G2	PTZ3/KEYIN2	I/O	
29	B4	PTJ0/IRQ0	I/O	Port / Interrupt request	138	G3	Vss	I	48-MHz oscillator connection pin input for USB Port / Key input Ground
30	B5	PTG4/AUDSYNC	I/O	Port / AUD synchronized signal	139	G4	DV12	I	
31	B6	PTG0/AUDATA0	I/O	Port / AUD data output	140	G5	DV12	I	
32	B7	TDI	I	H-UDI test data input	141	G21	Vss	I	
33	B8	PDSTATUS/PTJ5	I/O	Power-down status output / Port	142	G22	PTX3/LCDD21	I/O	Port / LCD data bus
34	B9	RESETP	I	Power-on reset	143	G23	PTL1/LCDD9	I/O	
35	B10	MD8	I	Mode setting pin	144	G24	PTL0/LCDD8	I/O	
36	B11	MD1	I		145	G25	PTM6/LCDD6	I/O	
37	B12	PTS2/SCIF0_SCK/TPUTO	I/O	Port / SCIF serial clock / TPU output	146	H1	XTALUSB	O	48-MHz oscillator connection pin output for USB Port / Key input / Interrupt request Port / Key input
38	B13	PTK5/SIOF1_SS1	I/O	Port / SPI slave device select	147	H2	PTZ5/KEYIN4/IRQ7	I/O	
39	B14	PTK3/SIOF1_SCK	I/O	Port / SIOF1 serial clock	148	H3	PTZ4/KEYIN3	I/O	
40	B15	PTB6/SIOF0_SS2/SIM_RST	I/O	Port / SIOF0 slave device select / SIM reset	149	H4	UV12	I	
41	B16	PTQ1/SIOF0_TXD	I/O	Port / SIOF0 transmit data / SIM clock / IrDA transmit data output	150	H5	UV12	I	1.2 V power supply for USB-UTM480 I/O power supply (3.3 V)
42	B17	PTF4/SIOSTRB1	I/O	Port / SIO serial strobe	151	H21	VccQ	I	
43	B18	PTF1/SIORXD	I/O	Port / SIO input data	152	H22	PTM7/LCDD7	I/O	
44	B19	PTD6/SDHIWP	I/O	Port / SD write protect	153	H23	PTM5/LCDD5	I/O	
45	B20	PTD2/SDHID0	I/O	Port / SD data bus	154	H24	PTM4/LCDD4	I/O	Port / LCD data bus
46	B21	WAIT/PTR2	I/O	WAIT / Port	155	H25	PTM3/LCDD3	I/O	
47	B22	PTH5/LCDVSYN	I/O	Port / LCD vertical synchronized signal	156	J1	PTY1/KEYOUT1	I/O	
48	B23	Vss	I	Ground	157	J2	PTY5/KEYOUT5/KEYIN5	I/O	
49	B24	Vss	I		158	J3	PTY3/KEYOUT3	I/O	Port / Key output Port / Key output / Key input
50	B25	Vss_DLL	I		159	J4	PTY2/KEYOUT2	I/O	
51	C1	DM	I/O		160	J5	PTY0/KEYOUT0	I/O	Port / Key output
52	C2	Vss	I	DLL ground	161	J21	VccQ	I	
53	C3	PTZ2/KEYIN1	I/O	USB downstream data minus pin	162	J22	PTL5/LCDD13	I/O	I/O power supply (3.3 V)
54	C4	PTJ1/IRQ1	I/O	Ground	163	J23	PTM1/LCDD1	I/O	
55	C5	MPMD	I	Port / Key input	164	J24	PTM2/LCDD2	I/O	
56	C6	PTG2/AUDATA2	I/O	Port / Interrupt request	165	J25	PTM0/LCDD0	I/O	
57	C7	TRST	I	E10 ASE mode set input	166	K1	PTT3	I/O	Port
58	C8	TST	I	Port / AUD data output	167	K2	PTT2	I/O	
59	C9	PTJ7/STATUS0	I/O	H-UDI test reset input	168	K3	PTT1/DREQ0	I/O	
60	C10	RESETA	I	Test pin (fix to VccQ)	169	K4	PTT0	I/O	
61	C11	MD2	I	Port / Status output	170	K5	PTY4/KEYOUT4/KEYIN6	I/O	Port / Key output / Key input
62	C12	PTS4/SCIF0_CTS	I/O	System reset input	171	K10	Vdd	I	
63	C13	PTS0/SCIF0_TXD	I/O	Mode setting pin	172	K11	Vdd	I	
64	C14	PTK2/SIOF1_RXD	I/O	Port / SCIF CTS input	173	K12	Vdd	I	
65	C15	PTQ5/SIOF0_SS1	I/O	Port / SCIF transmit data	174	K13	Vdd	I	Internal power supply (1.2 V)
66	C16	PTQ0/SIOF0_MCK	I/O	Port / SIOF1 input data	175	K14	Vdd	I	
67	C17	PTF3/SIOSTRB0	I/O	Port / SPI slave device select	176	K15	Vdd	I	
68	C18	PTD4/SDHID2/IRQ2	I/O	Port / SIOF0 master clock input / Interrupt request / SIM data	177	K16	Vdd	I	
69	C19	PTD0/SDHICLK	I/O	Port / SIO serial strobe	178	K21	VccQ	I	I/O power supply (3.3 V)
70	C20	PTD3/SDHID1	I/O	Port / SD data bus / Interrupt request	179	K22	HPD63/PTN7	I/O	
71	C21	PTR0/LCDVCPWC	I/O	Port / SD clock	180	K23	HPD48/PTB0	I/O	
72	C22	PTH4/LCDDISP/LCDCS	I/O	Port / SD data bus	181	K24	HPD62/PTN6	I/O	
73	C23	PTH2/LCDDON/LCDDON2	I/O	Port / LCD power supply control / LCD power supply control	182	K25	HPD61/PTN5	I/O	SDRAM upper data bus / Port
74	C24	PTX5/LCDD23	I/O	Port / LCD display enable signal / LCD resistor select	183	L1	PTU3	I/O	
75	C25	Vdd_DLL	I	Port / LCD display ON-OFF signal / LCD display ON-OFF signal	184	L2	PTU2	I/O	
76	D1	DP	I/O	Port / LCD data bus	185	L3	PTU1	I/O	
77	D2	DG12	I	Port / LCD data bus	186	L4	PTU0	I/O	Port
78	D3	DG33	I	DLL power supply	187	L5	VccQ	I	
79	D4	Vss	I	USB DP pin	188	L10	Vdd	I	
80	D5	NMI	I	1.2 V power supply ground for USB driver/receiver	189	L11	Vdd	I	
81	D6	ASEBRK/BRKAK	I/O	3.3 V power supply ground for USB driver/receiver	190	L12	Vss	I	Ground
82	D7	PTG1/AUDATA1	I/O	Ground	191	L13	Vss	I	
83	D8	TDO	O	Nonmaskable interrupt	192	L14	Vss	I	
84	D9	TMS	I	E10A emulator brake input / Acknowledge	193	L15	Vdd	I	
85	D10	RESETOUT	O	Port / AUD data output	194	L16	Vdd	I	Internal power supply (1.2 V)
86	D11	MD5	I	H-UDI test data output	195	L21	VccQ	I	
87	D12	PTS3/SCIF0_RTS	I/O	H-UDI test mode select input	196	L22	HPD49/PTB1	I/O	
88	D13	PTK6/SIOF1_SS2	I/O	Reset output	197	L23	HPD50/PTB2	I/O	
89	D14	PTQ3/SIOF0_SCK	I/O	Mode setting pin	198	L24	HPD60/PTN4	I/O	SDRAM upper data bus / Port
90	D15	PTQ2/SIOF0_RXD/IrDA_IN	I/O	Port / SCIF RTS output	199	L25	HPD59/PTN3	I/O	
91	D16	PTF5/SIOSCK	I/O	Port / SPI slave device select	200	M1	PTV1	I/O	
92	D17	PTF0/SIOTXD	I/O	Port / SIOF0 serial clock	201	M2	PTV0	I/O	
93	D18	PTD7/SDHICD	I/O	Port / SIOF0 receive data / IrDA receive data input	202	M3	PTU4	I/O	Port
94	D19	PTR1/LCDDCK/LCDDWR	I/O	Port / SIO serial clock	203	M4	PTT4	I/O	
95	D20	PTR4/LCDDR	I/O	Port / SIO output data	204	M5	Vss	I	
96	D21	PTH7/LCDVCPWC	I/O	Port / SD card detection	205	M10	Vdd	I	
97	D22	PTH3/LCDHSYN/LCDCS	I/O	Port / LCD dot clock signal / LCD write strobe	206	M11	Vss	I	Ground Internal power supply (1.2 V)
98	D23	PTX4/LCDD22	I/O	Port / LCD read strobe	207	M12	Vss	I	
99	D24	PTX2/LCDD20	I/O	Port / LCD power supply control / LCD power supply control	208	M13	Vss	I	
100	D25	PTX0/LCDD18	I/O	Port / LCD horizontal synchronized signal / LCD chip select	209	M14	Vss	I	
101	E1	REFRIN	I	Port / LCD data bus	210	M15	Vss	I	Internal power supply (1.2 V) Ground
102	E2	DG12	I	Port / LCD data bus	211	M16	Vdd	I	
103	E3	DG33	I	External resistor pin for USB constant current circuit	212	M21	Vss	I	
104	E4	DV33	I	1.2 V power supply ground for USB driver/receiver	213	M22	HPD51/PTB3	I/O	
105	E5	Vss	I	3.3 V power supply ground for USB driver/receiver	214	M23	HPD58/PTN2	I/O	SDRAM upper data bus / Port
106	E6	Vss	I	3.3V power supply for USB driver/receiver (3.3V)	215	M24	HPD52/PTB4	I/O	
107	E7	Vss	I	Ground	216	M25	HPD53/PTB5	I/O	
108	E8	VccQ	I	Ground	217	N1	PTV2	I/O	
109	E9	VccQ	I	I/O power supply (3.3V)	218	N2	SCL	I/O	Port I2C serial clock input/output
					219	N3	PTV3	I/O	
					220	N4	PTV4	I/O	
					221	N5	Vss	I	
					222	N10	Vdd	I	Ground Internal power supply (1.2 V)

PIN NO.	OUTER NO.	NAME	I/O	FUNCTION	PIN NO.	OUTER NO.	NAME	I/O	FUNCTION
223	N11	Vss	I	Ground	336	AA12	Vss	I	Ground
224	N12	Vss	I		337	AA13	Vss	I	
225	N13	Vss	I		338	AA14	Vss	I	
226	N14	Vss	I		339	AA15	VccQ	I	I/O power supply (3.3 V)
227	N15	Vss	I	Internal power supply (1.2 V) Ground	340	AA16	VccQ	I	
228	N16	Vdd	I		341	AA17	VccQ	I	
229	N21	Vss	I		342	AA18	VccQ	I	
230	N22	HPD56/PTN0	I/O	SDRAM upper data bus / Port	343	AA19	Vss	I	Ground
231	N23	HPD55/PTB7	I/O		344	AA20	Vss	I	
232	N24	HPD54/PTB6	I/O		345	AA21	Vss	I	
233	N25	HPD57/PTN1	I/O		346	AA22	HPA9	O	SDRAM interface address
234	P1	SDA	I/O	I2C serial data input/output	347	AA23	HPA8	O	
235	P2	PTA1	I/O		348	AA24	HPA10	O	
236	P3	PTA2	I/O		349	AA25	HPA11	O	
237	P4	PTA0/LCDCLK	I/O	Port / LCD clock source input	350	AB1	D9	I/O	Data bus
238	P5	Vss	I	Ground	351	AB2	D1	I/O	
239	P10	Vdd	I		352	AB3	D8	I/O	
240	P11	Vss	I		353	AB4	WE1/WE	O	D15 to D8 write / PCMCIA memory write Address bus / Port
241	P12	Vss	I	Ground	354	AB5	A25/PTE7	I/O	
242	P13	Vss	I		355	AB6	A15	O	
243	P14	Vss	I		356	AB7	A21	O	Address bus
244	P15	Vss	I	Internal power supply (1.2 V) Ground	357	AB8	A3	O	
245	P16	Vdd	I		358	AB9	A11	O	
246	P21	Vss	I		359	AB10	A9	O	
247	P22	HPD31	I/O	SDRAM lower data bus	360	AB11	A5	O	PCMCIA-IF 16 bits / Port
248	P23	HPD30	I/O		361	AB12	IOIS16/PTC5	I/O	
249	P24	HPD16	I/O		362	AB13	D31/HPD47	I/O	
250	P25	HPCLKR	O		363	AB14	D27/HPD43	I/O	Upper data bus / SDRAM upper data bus
251	R1	PTA3	I/O	Port	364	AB15	D26/HPD42	I/O	
252	R2	PTA4	I/O		365	AB16	D24/HPD40	I/O	
253	R3	PTA5/SCIF1_TXD	I/O		366	AB17	HPD0	I/O	
254	R4	PTW2/SCIF2_RXD	I/O	Port / SCIF transmit data	367	AB18	HPD4	I/O	SDRAM lower data bus
255	R5	VccQ	I	Port / SCIF receive data	368	AB19	HPD9	I/O	
256	R10	Vdd	I	Internal power supply (1.2 V) Ground	369	AB20	HPD7	I/O	
257	R11	Vdd	I		370	AB21	HPDQM7/PTC4	I/O	
258	R12	Vss	I		371	AB22	HPA4	O	SDRAM interface address bus
259	R13	Vss	I		372	AB23	HPA5	O	
260	R14	Vss	I	Internal power supply (1.2 V) Ground	373	AB24	HPA6	O	
261	R15	Vdd	I		374	AB25	HPCLK	O	
262	R16	Vdd	I	Internal power supply (1.2 V) I/O power supply (3.3 V)	375	AC1	D0	I/O	SDRAM interface synchronized clock Data bus Chip select Read signal D31 to D24 write / PCMCIA IO write Address bus / Port
263	R21	VccQ	I		376	AC2	CS0	O	
264	R22	HPD19	I/O		377	AC3	RD	O	
265	R23	HPD18	I/O		378	AC4	WE3/CIOWR	O	Address bus
266	R24	HPD29	I/O	SDRAM lower data bus	379	AC5	A23/PTE5	I/O	
267	R25	HPD17	I/O		380	AC6	A19	O	
268	T1	PTA6/SCIF1_RXD	I/O		381	AC7	A18	O	
269	T2	PTA7/SCIF1_SCK	I/O	Port / SCIF serial clock	382	AC8	A13	O	Address bus
270	T3	PTW0/SCIF1_RTS	I/O	Port / SCIF RTS output	383	AC9	A7	O	
271	T4	RDWR	O	Read/write signal	384	AC10	A4	O	
272	T5	VccQ	I	I/O power supply (3.3 V) Ground	385	AC11	A0	O	
273	T10	Vdd	I		386	AC12	PTC7	I/O	Port
274	T11	Vdd	I		387	AC13	D30/HPD46	I/O	
275	T12	Vdd	I		388	AC14	D18/HPD34	I/O	Upper data bus / SDRAM upper data bus
276	T13	Vdd	I	Internal power supply (1.2 V) Ground	389	AC15	D20/HPD36	I/O	
277	T14	Vdd	I		390	AC16	D22/HPD38	I/O	
278	T15	Vdd	I		391	AC17	HPD14	I/O	SDRAM lower data bus
279	T16	Vdd	I	I/O power supply (3.3 V) Ground	392	AC18	HPD12	I/O	
280	T21	VccQ	I		393	AC19	HPD10	I/O	
281	T22	HPD26	I/O		394	AC20	HPD8	I/O	
282	T23	HPD20	I/O	SDRAM lower data bus	395	AC21	HPDQM6/PTC3	I/O	SDRAM interface upper UL side data mask / Port SDRAM interface row address SDRAM interface chip select
283	T24	HPD27	I/O		396	AC22	HPRAS	O	
284	T25	HPD28	I/O		397	AC23	HPCS3	O	
285	U1	PTW1/SCIF1_CTS	I/O		398	AC24	HPA1	O	SDRAM interface address bus
286	U2	PTW3/SCIF2_TXD	I/O	Port / SCIF transmit data	399	AC25	HPA3	O	
287	U3	PTW4/SCIF2_SCK	I/O	Port / SCIF serial clock	400	AD1	Vss	I	Ground
288	U4	D3	I	Data bus	401	AD2	Vss	I	
289	U5	VccQ	I		402	AD3	WE0	O	
290	U21	VccQ	I		403	AD4	MD3	I	
291	U22	HPD24	I/O	I/O power supply (3.3 V) Ground	404	AD5	A22/PTE4	I/O	D7 to D0 write Data bus width set Address bus / Port
292	U23	HPD22	I/O		405	AD6	A17	O	
293	U24	HPD25	I/O		406	AD7	A14	O	
294	U25	HPD21	I/O		407	AD8	A10	O	Address bus
295	V1	PTW5/SCIF2_RTS	I/O	Port / SCIF RTS output	408	AD9	A6	O	
296	V2	PTW6/SCIF2_CTS	I/O		409	AD10	A1	O	
297	V3	CS5B/CE1A	O		410	AD11	CS5A/CE2A	O	
298	V4	CS4	O		411	AD12	PTE0/IRQ4/BS	I/O	Chip select / PCMCIA card select Port / Interrupt request / Bus start
299	V5	VccQ	I	I/O power supply (3.3 V) Ground	412	AD13	D17/HPD33	I/O	
300	V21	VccQ	I		413	AD14	D28/HPD44	I/O	
301	V22	HPDQM0	O		414	AD15	D21/HPD37	I/O	Upper data bus / SDRAM upper data bus
302	V23	HPDQM1	O	SDRAM interface lower LL side data mask SDRAM interface lower LU side data mask SDRAM interface lower UU side data mask SDRAM lower data bus	415	AD16	D23/HPD39	I/O	
303	V24	HPDQM3	O		416	AD17	HPD1	I/O	
304	V25	HPD23	I/O		417	AD18	HPD2	I/O	SDRAM lower data bus
305	W1	PTX6/CS6A/CE2B	I/O		418	AD19	HPD11	I/O	
306	W2	D15	I/O	Port / Chip select / PCMCIA card select	419	AD20	HPD6	I/O	
307	W3	D7	I/O		420	AD21	HPDQM5/PTC2	I/O	
308	W4	D14	I/O		421	AD22	HPCAS	O	SDRAM interface upper LU side data mask / Port SDRAM interface column address SDRAM interface chip select
309	W5	Vss	I		422	AD23	HPCS2	O	
310	W21	Vss	I	Ground	423	AD24	Vss	I	
311	W22	HPA7	O		424	AD25	Vss	I	
312	W23	HPA15	O	SDRAM interface address bus	425	AE1	Vss	I	Ground
313	W24	HPA16	O		426	AE2	Vss	I	
314	W25	HPDQM2	O		427	AE3	WE2/CIORD	O	
315	Y1	D6	I/O		428	AE4	A24/PTE6	I/O	D23 to D16 write / PCMCIA IO read Address bus / Port
316	Y2	D13	I/O	Data bus	429	AE5	A20	O	
317	Y3	D5	I/O		430	AE6	A16	O	
318	Y4	D12	I/O		431	AE7	A12	O	Address bus
319	Y5	Vss	I	Ground	432	AE8	A8	O	
320	Y21	Vss	I		433	AE9	A2	O	
321	Y22	HPA2	O		434	AE10	CKO	O	System clock Port / Interrupt request
322	Y23	HPA12	O	SDRAM interface address bus	435	AE11	PTE1/IRQ5	I/O	
323	Y24	HPA13	O		436	AE12	D16/HPD32	I/O	
324	Y25	HPA14	O		437	AE13	D29/HPD45	I/O	
325	AA1	D4	I/O	Data bus	438	AE14	D19/HPD35	I/O	Upper data bus / SDRAM upper data bus
326	AA2	D11	I/O		439	AE15	D25/HPD41	I/O	
327	AA3	D10	I/O		440	AE16	HPCLKD	O	
328	AA4	D2	I/O		441	AE17	HPD15	I/O	SDRAM interface synchronized clock SDRAM lower data bus
329	AA5	Vss	I	Ground	442	AE18	HPD13	I/O	
330	AA6	Vss	I		443	AE19	HPD3	I/O	
331	AA7	Vss	I		444	AE20	HPD5	I/O	
332	AA8	VccQ	I	I/O power supply (3.3 V) Ground	445	AE21	HPDQM4/PTC0	I/O	SDRAM interface upper LL side data bus / Port SDRAM interface read/write SDRAM interface clock enable
333	AA9	VccQ	I		446	AE22	HPRDWR	O	
334	AA10	VccQ	I		447	AE23	HPCKE	O	
335	AA11	VccQ	I		448	AE24	Vss	I	
					449	AE25	Vss	I	Ground

● μ PD800500F1-011-KN (YC706A00) SSP2

DM: IC904

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	SY1	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	PLLBP	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) 50k Ω Pull-down
19	W1	MA6	O	Output Buffer (3.3V) 6mA	100	U2	TEN	I	Input Buffer (3.3V) 50k Ω 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 50k Ω Pull-up	110	AA8	MD0	B	I/O Buffer (3.3V) 6mA 50k Ω Pull-up
30	AB9	MD5	B	I/O Buffer (3.3V) 6mA 50k Ω Pull-up	111	AA9	MD4	B	I/O Buffer (3.3V) 6mA 50k Ω Pull-up
31	AB10	MD8	B	I/O Buffer (3.3V) 6mA 50k Ω Pull-up	112	AA10	MD7	B	I/O Buffer (3.3V) 6mA 50k Ω Pull-up
32	AB11	GND	-	-	113	AA11	MD10	B	I/O Buffer (3.3V) 6mA 50k Ω Pull-up
33	AB12	VDD33	-	-	114	AA12	MD11	B	I/O Buffer (3.3V) 6mA 50k Ω Pull-up
34	AB13	MD13	B	I/O Buffer (3.3V) 6mA 50k Ω Pull-up	115	AA13	MD14	B	I/O Buffer (3.3V) 6mA 50k Ω 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 50k Ω Pull-up	118	AA16	R2D3	B	I/O Buffer (3.3V) 3mA 50k Ω Pull-up
38	AB17	R2D6	B	I/O Buffer (3.3V) 3mA 50k Ω Pull-up	119	AA17	R2D7	B	I/O Buffer (3.3V) 3mA 50k Ω Pull-up
39	AB18	R2D10	B	I/O Buffer (3.3V) 3mA 50k Ω Pull-up	120	AA18	R2D11	B	I/O Buffer (3.3V) 3mA 50k Ω Pull-up
40	AB19	R2D14	B	I/O Buffer (3.3V) 3mA 50k Ω Pull-up	121	AA19	R2D15	B	I/O Buffer (3.3V) 3mA 50k Ω 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	USBX1	I	Oscillator with EN (3.3V) 30MHz	131	N21	PVSS	-	USB2.0 Transceiver
51	P22	GND	-	-	132	M21	GND	-	-
52	N22	PVDD	-	USB2.0 Transceiver	133	L21	GND2	-	USB2.0 Transceiver
53	M22	GND	-	-	134	K21	AVDDU	-	USB2.0 Transceiver
54	L22	RPU	-	USB2.0 Transceiver	135	J21	AVSSU	-	USB2.0 Transceiver
55	K22	AVDDU	-	USB2.0 Transceiver	136	H21	AVSSU	-	USB2.0 Transceiver
56	J22	RREF	-	USB2.0 Transceiver	137	G21	ED14	B	I/O Buffer (3.3V) 3mA
57	H22	AVSSU	-	USB2.0 Transceiver	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) 50k Ω 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-up
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 Transceiver
185	Y10	MD6	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up	266	M19	RSDM	-	USB2.0 Transceiver
186	Y11	MD9	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up	267	L19	RSDP	-	USB2.0 Transceiver
187	Y12	MD12	B	I/O Buffer (3.3V) 6mA 50kΩ Pull-up	268	K19	VD331	-	USB2.0 Transceiver
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 Transceiver	283	D10	GND	-	-
203	M20	DM	B	USB2.0 Transceiver	284	D9	SDI0	I	Input Buffer (3.3V)
204	L20	DP	B	USB2.0 Transceiver	285	D8	SDI4	I	Input Buffer (3.3V)
205	K20	VD151	-	USB2.0 Transceiver	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	-	-

● YGV628B-VZ (X6356B00) RGB CONTROLLER AVDP7

DM: IC504

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	Digital ground
8	A18	I	CPU address bus	96	SA0	O	
9	A17	I		97	Vss	-	
10	A16	I		98	SA1	O	
11	A15	I	CPU address bus	99	SA6	O	Video memory address bus
12	A14	I		100	SA7	O	Digital power supply +3.3 V
13	A13	I		101	VDD	-	
14	A12	I		102	SA2	O	
15	A11	I	CPU address bus	103	SA5	O	Video memory address bus
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	CPU address bus	113	DRO4	O	Digital G signal output
26	A2	I		114	DRO5	O	
27	A1	I		115	DGO0	O	
28	WRH_N	I		116	DGO1	O	
29	WRL_N	I	Write strobe input	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	
36	INT_N	O	Interrupt	124	DBO1	O	
37	READY_N	O	CPU bus ready	125	DBO2	O	Digital B signal output
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	CPU data bus	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	DRIO	I	Digital R signal input
60	SDQ15	I/O		148	Vss	-	Digital ground
61	Vss	-	Digital ground	149	DR11	I	Digital R signal input
62	SDQ1	I/O	150	DR12	I		
63	SDQ14	I/O	151	DR13	I		
64	SDQ2	I/O	Video memory data bus	152	DR14	I	
65	SDQ13	I/O		153	DR15	I	Digital G signal input
66	SDQ3	I/O		154	DGI0	I	
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	Digital power supply +3.3 V
70	SDQ4	I/O	Video memory data bus	158	VDD	-	
71	SDQ11	I/O		159	DGI4	I	
72	SDQ5	I/O		160	Vss	-	
73	SDQ10	I/O	Digital ground	161	DGI5	I	Digital G signal input
74	Vss	-		162	DBI0	I	Digital B signal input
75	SDQ6	I/O		163	DBI1	I	
76	SDQ9	I/O		164	DBI2	I	
77	SDQ7	I/O	Video memory data bus	165	DBI3	I	
78	SDQ8	I/O		166	DBI4	I	Horizontal synchronized signal input
79	VDD	-	Digital power supply +3.3 V	167	DBI5	I	
80	LDQM	O	Video memory data mask output	168	HSIN_N	I	
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	PLLVD	-	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

● ISL85033IRTZ-T (YD766A00) DC-DC CONVERTER

DM: IC403

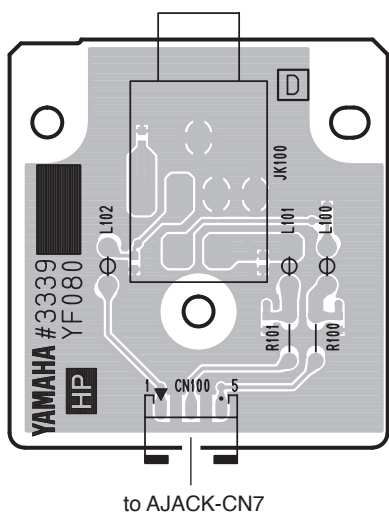
PIN NO.	NAME	I/O	FUNCTION
1, 21 2, 20	COMP1, COMP2 FB1, FB2	O I	COMP1/COMP2 is the output of the error amplifier. Feedback pin for the regulator. FB is the negative input to the voltage loop error amplifier. COMP is the output of the error amplifier. The output voltage is set by an external resistor 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 5, 17	PGND1, PGND2 BOOT1, BOOT2	- I	Power ground connections. Connect directly to the system GND plane. 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 10 μ F 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 4.7 μ F ceramic capacitor.
23 24	SYNCOUT SYNCIN	O I	Synchronization output. Provides a signal that is the inverse of the SYNCIN signal. 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 5M Ω 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.

■ CIRCUIT BOARDS

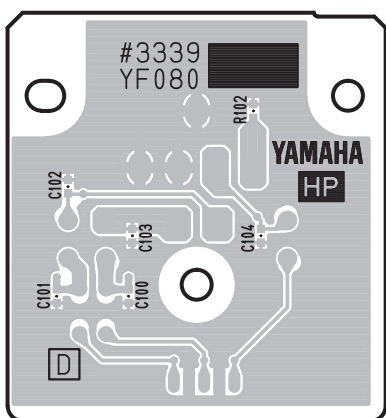
AJACK Circuit Board (YF081D0)	42
DM Circuit Board (YF050D0)	44/46
EMKS Circuit Board (XF257C0)	58/59
EN Circuit Board (YC489A0)	49
HP Circuit Board (YF080D0)	41
LCL Circuit Board (YF079D0)	58/59
LCR Circuit Board (YF079D0)	58/59
MIC Circuit Board (YF076C0)	41
MK61L Circuit Board (X6578D0)(Tyros5-61)	62/63
MK76L Circuit Board (X5655D0)(Tyros5-76)	66/67
MKC Circuit Board (X5656D0)(Tyros5-76)	65
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PNR Circuit Board (YF078C0)	50/52
PS1 Circuit Board (YF076C0)	48
PS2 Circuit Board (YF076C0)	48
USB Circuit Board (YF078C0)	48
VOL Circuit Board (YF076C0)	41

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

• HP Circuit Board

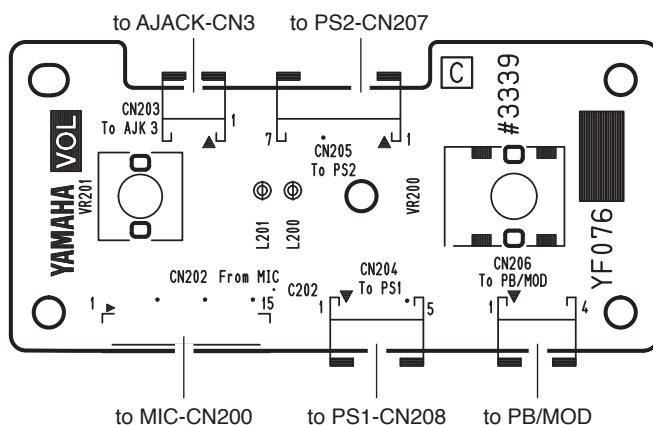


Component side

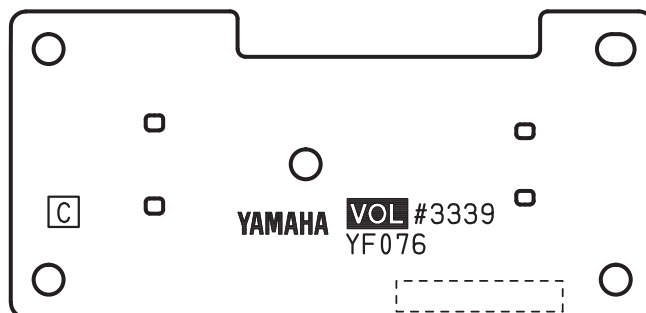


Pattern side

• VOL Circuit Board

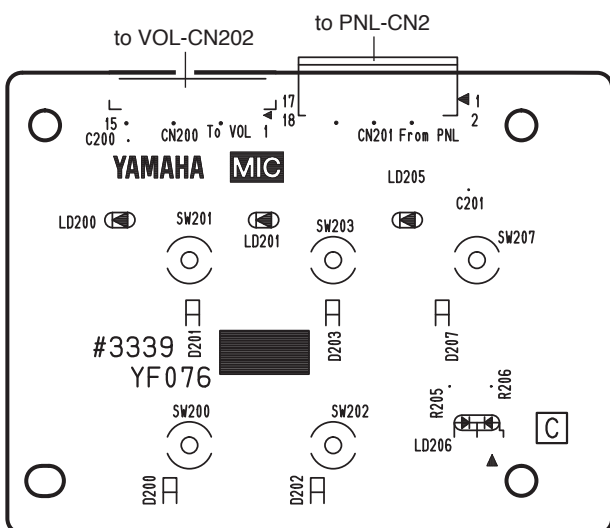


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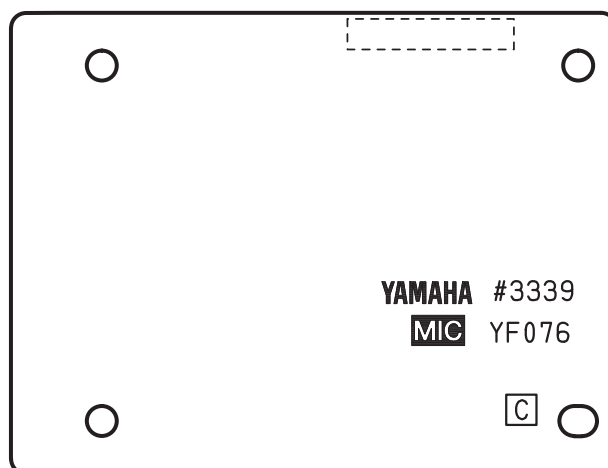


Pattern side

• MIC Circuit Board



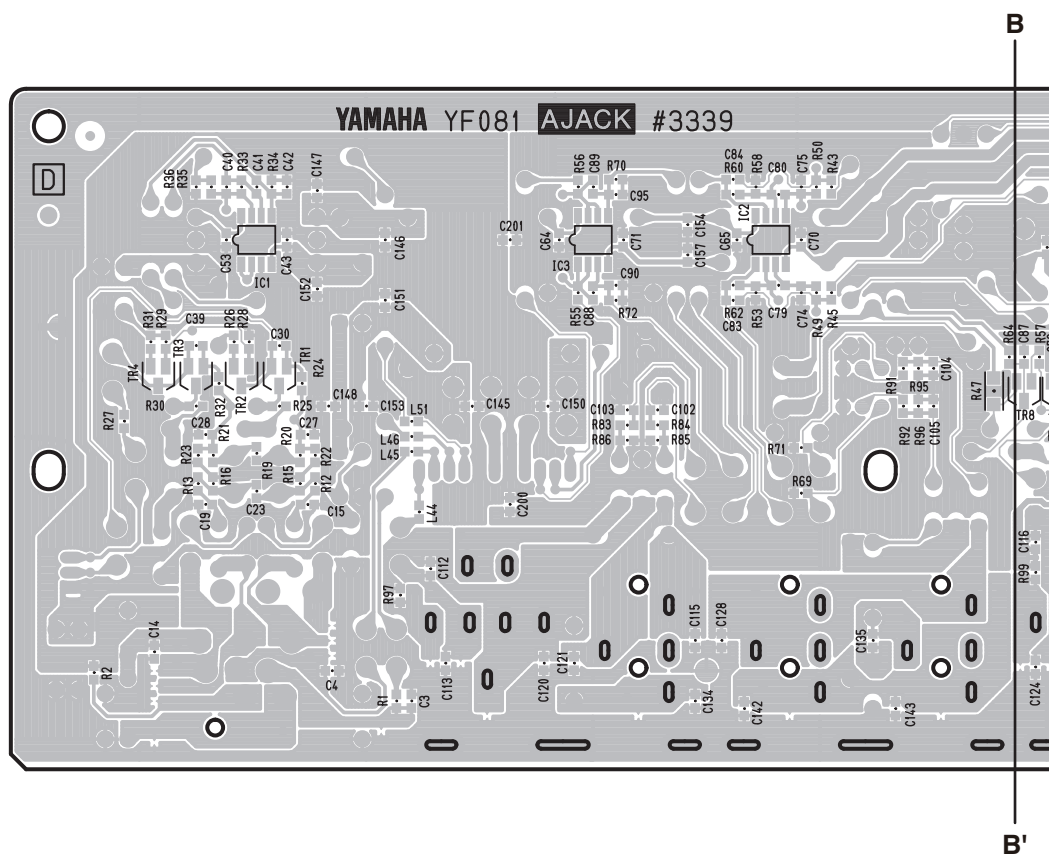
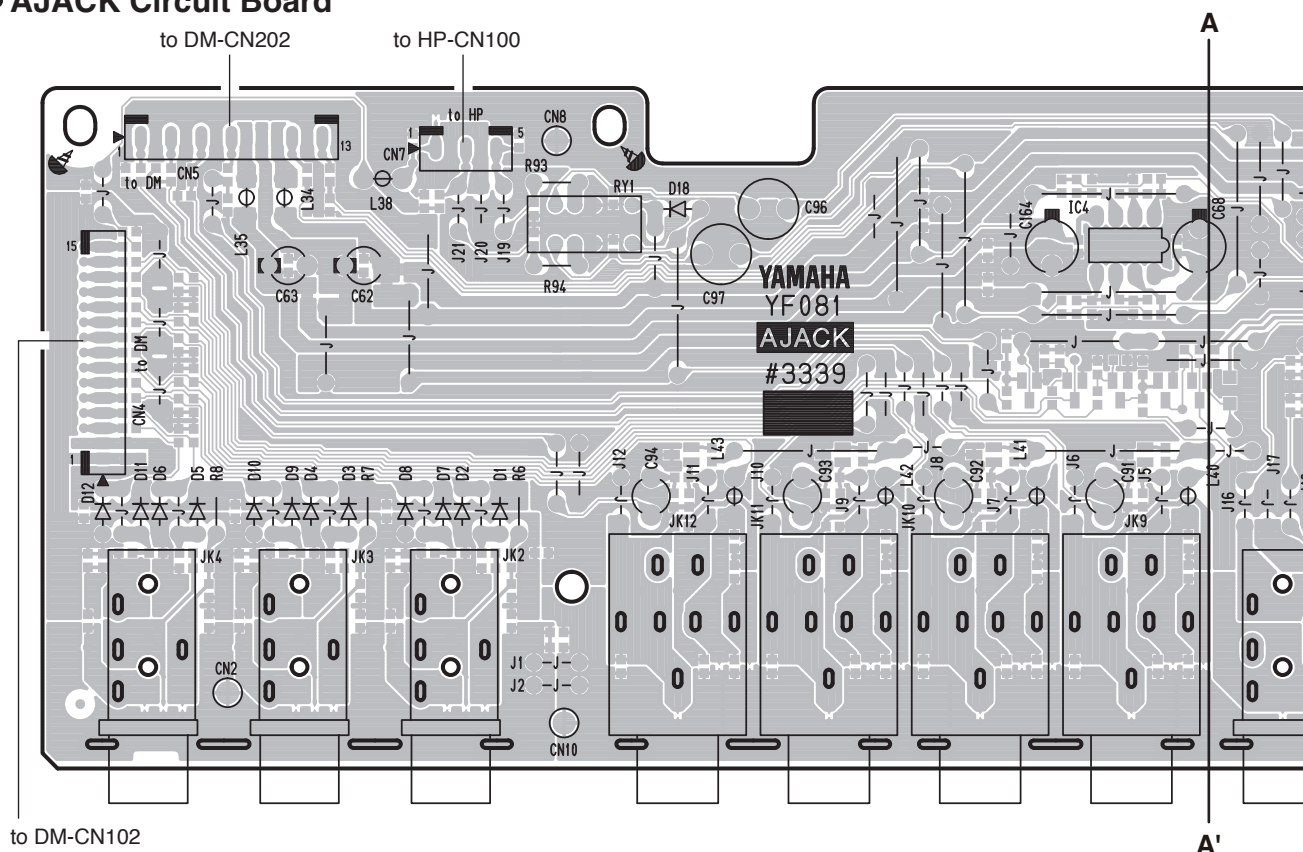
Component side

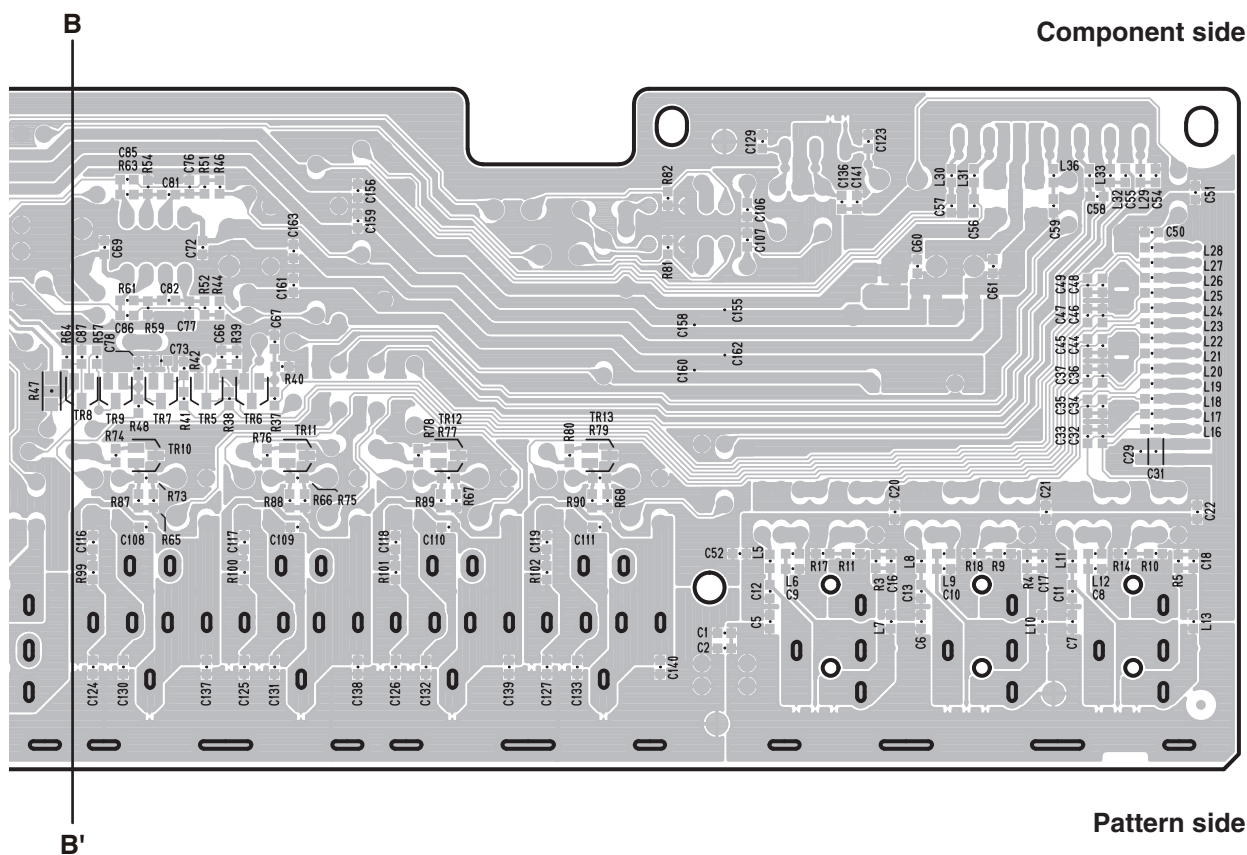
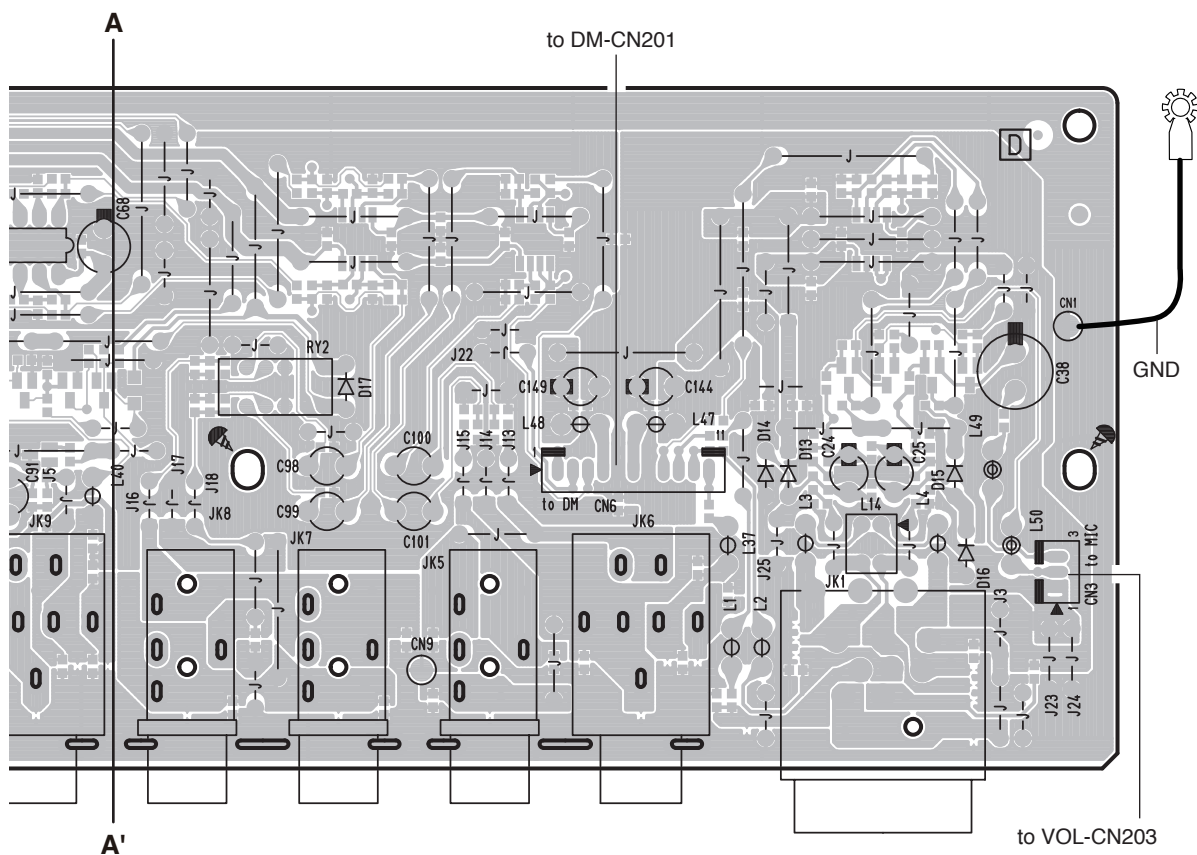


Pattern side

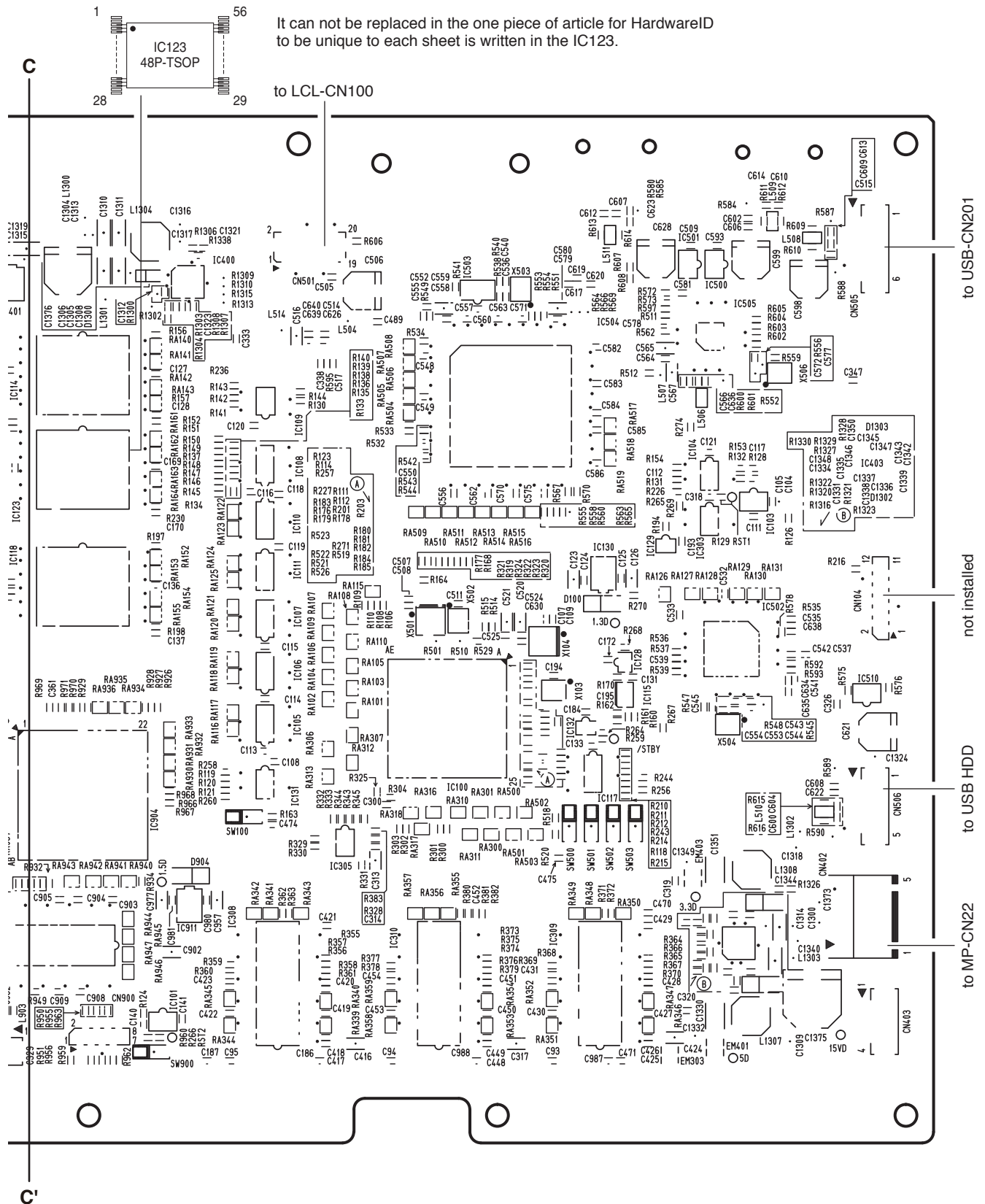
HP: 2NA-ZE99640 △
MIC,VOL: 2NA-ZE99470

● AJACK Circuit Board

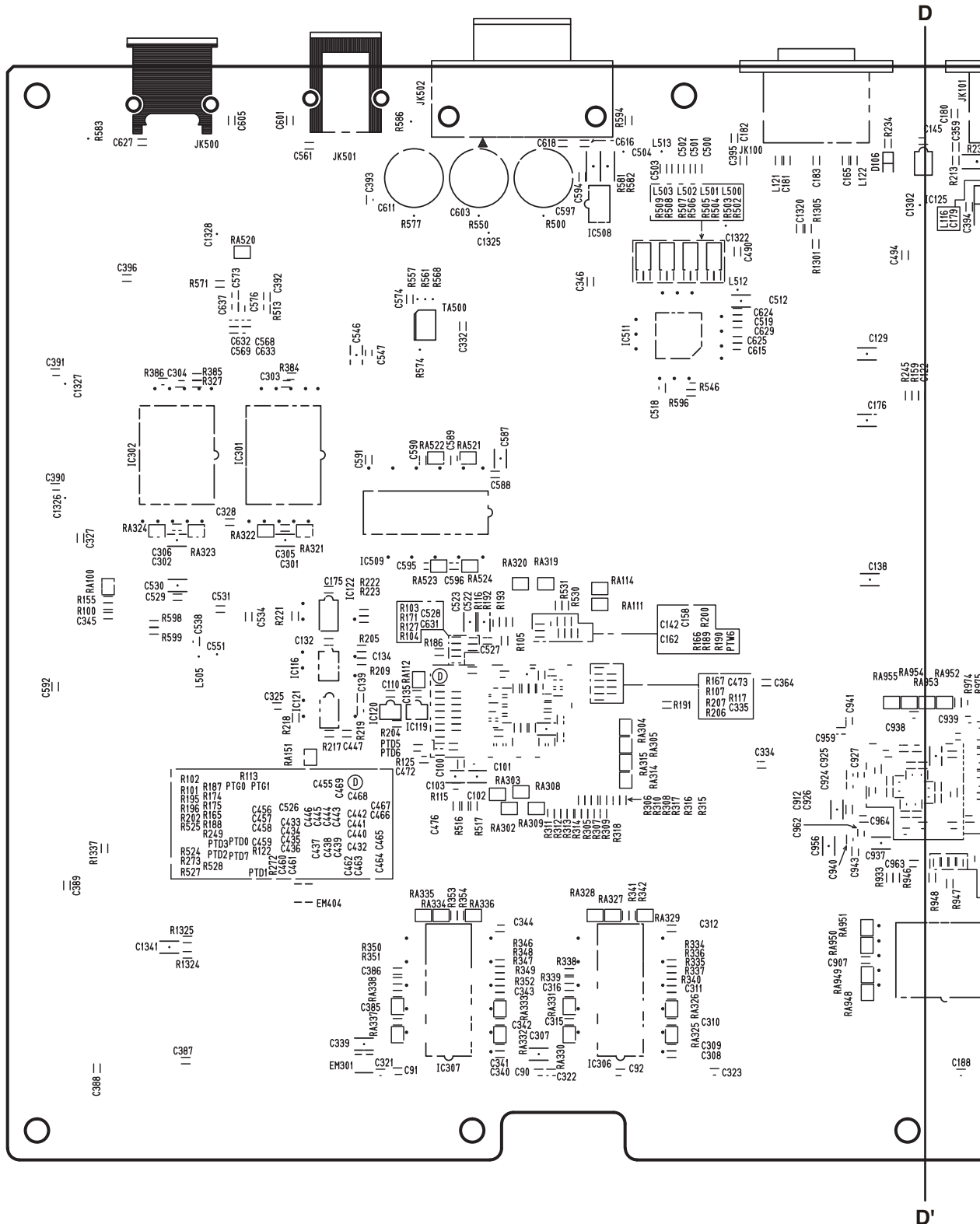


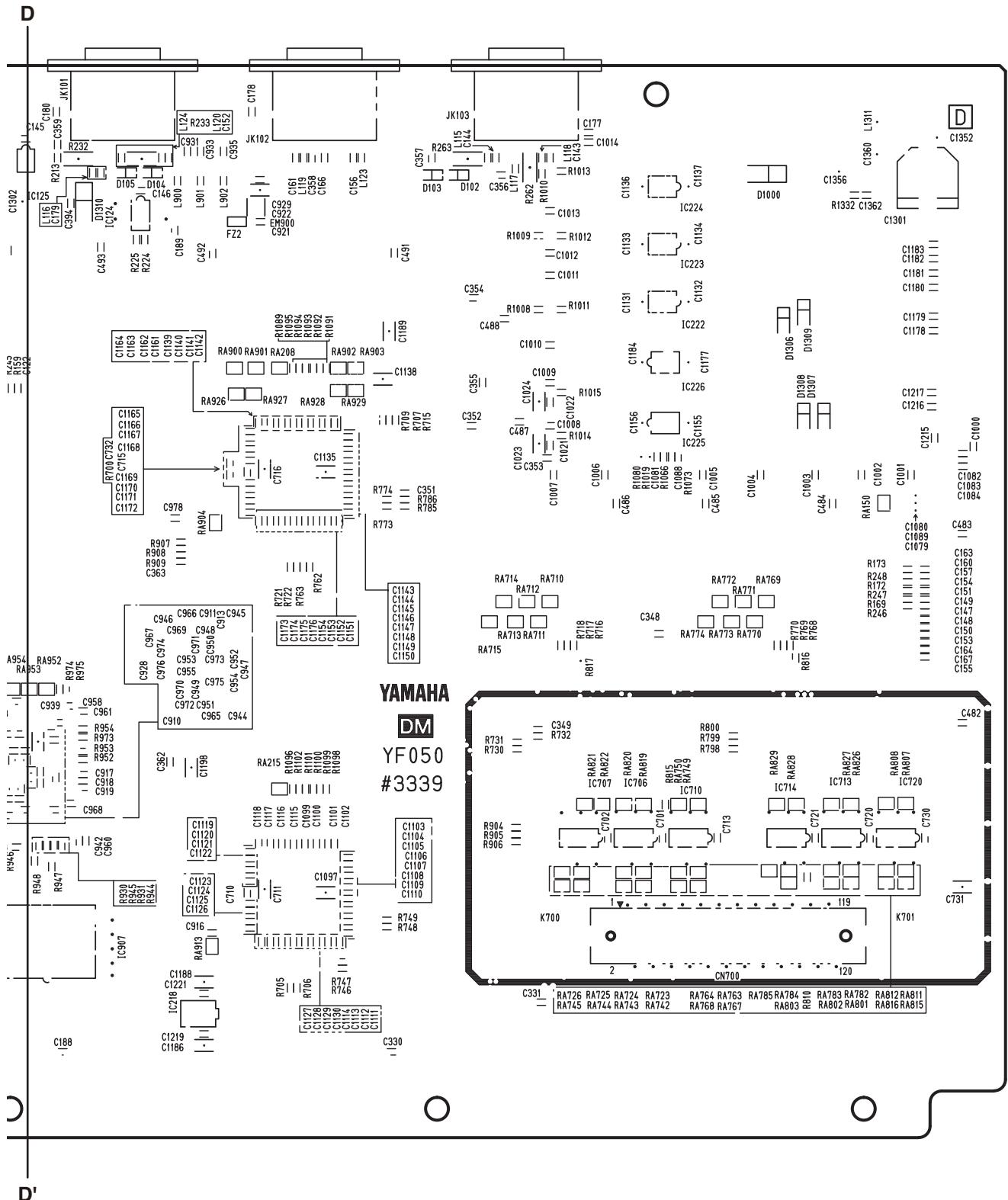




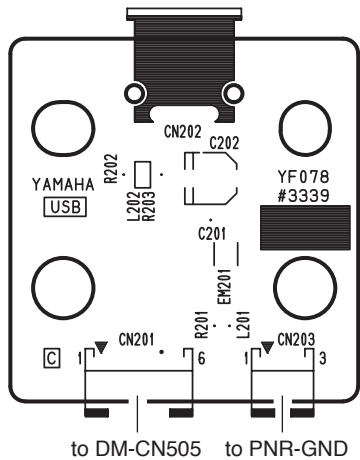


● DM Circuit Board

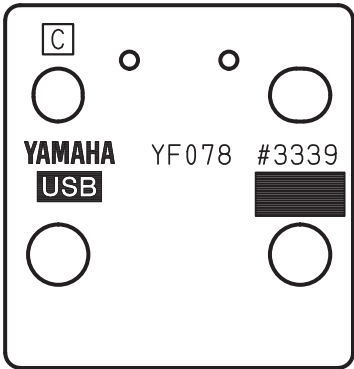




● USB Circuit Board

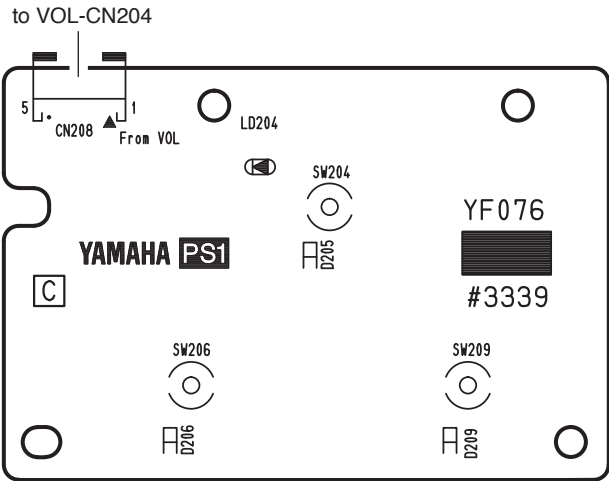


Component side

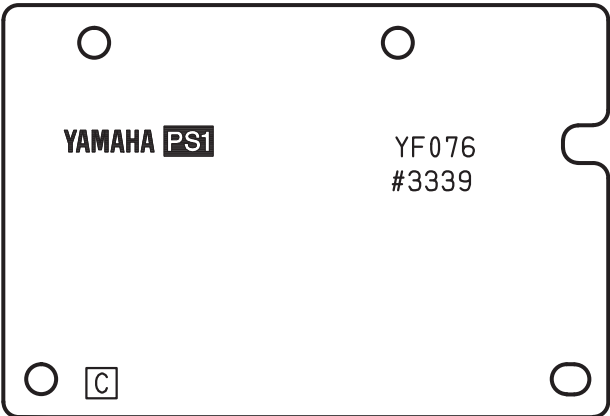


Pattern side

● PS1 Circuit Board

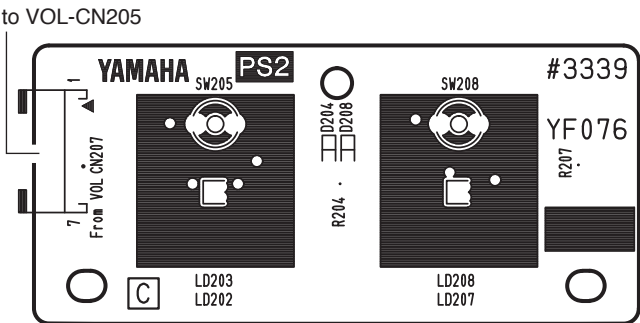


Component side

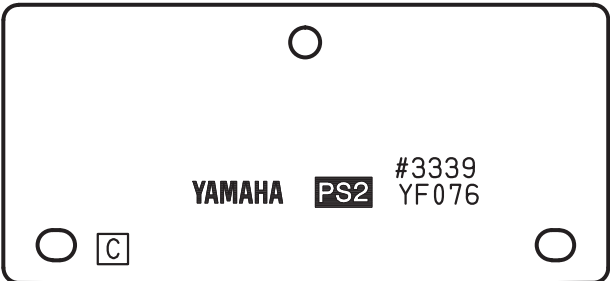


Pattern side

● PS2 Circuit Board



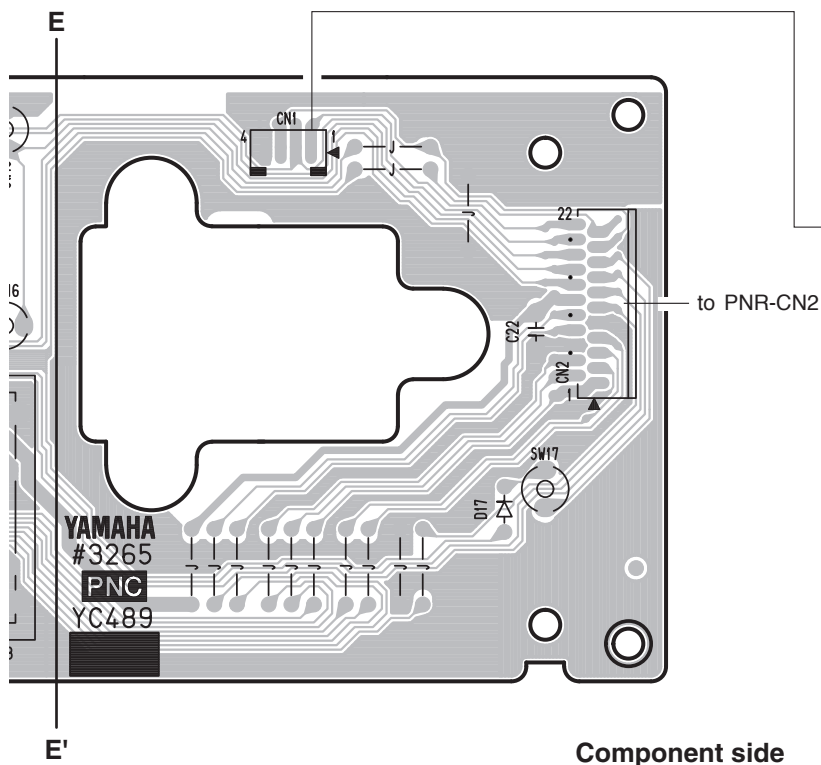
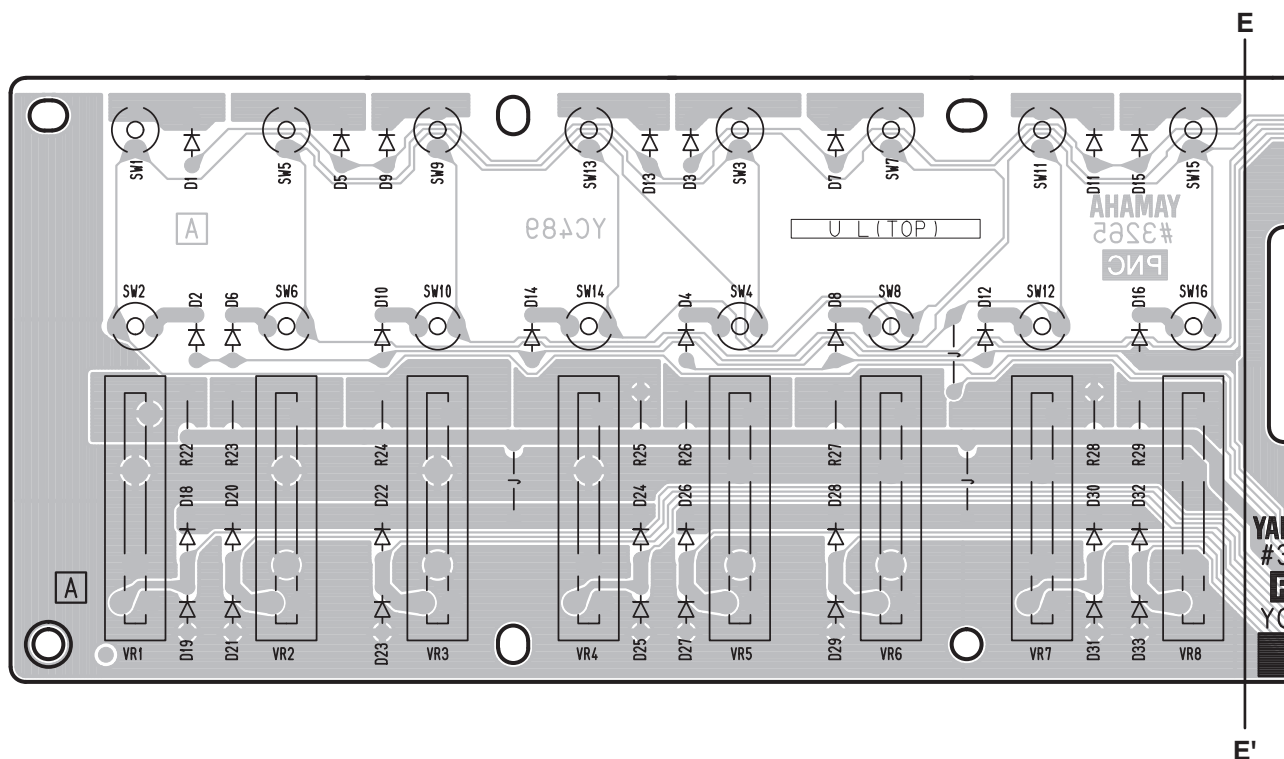
Component side



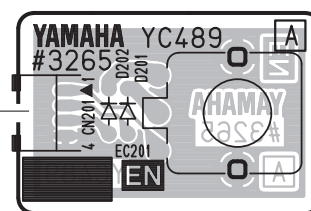
Pattern side

USB: 2NA-ZE99620
PS1,PS2: 2NA-ZE99470

● PNC Circuit Board



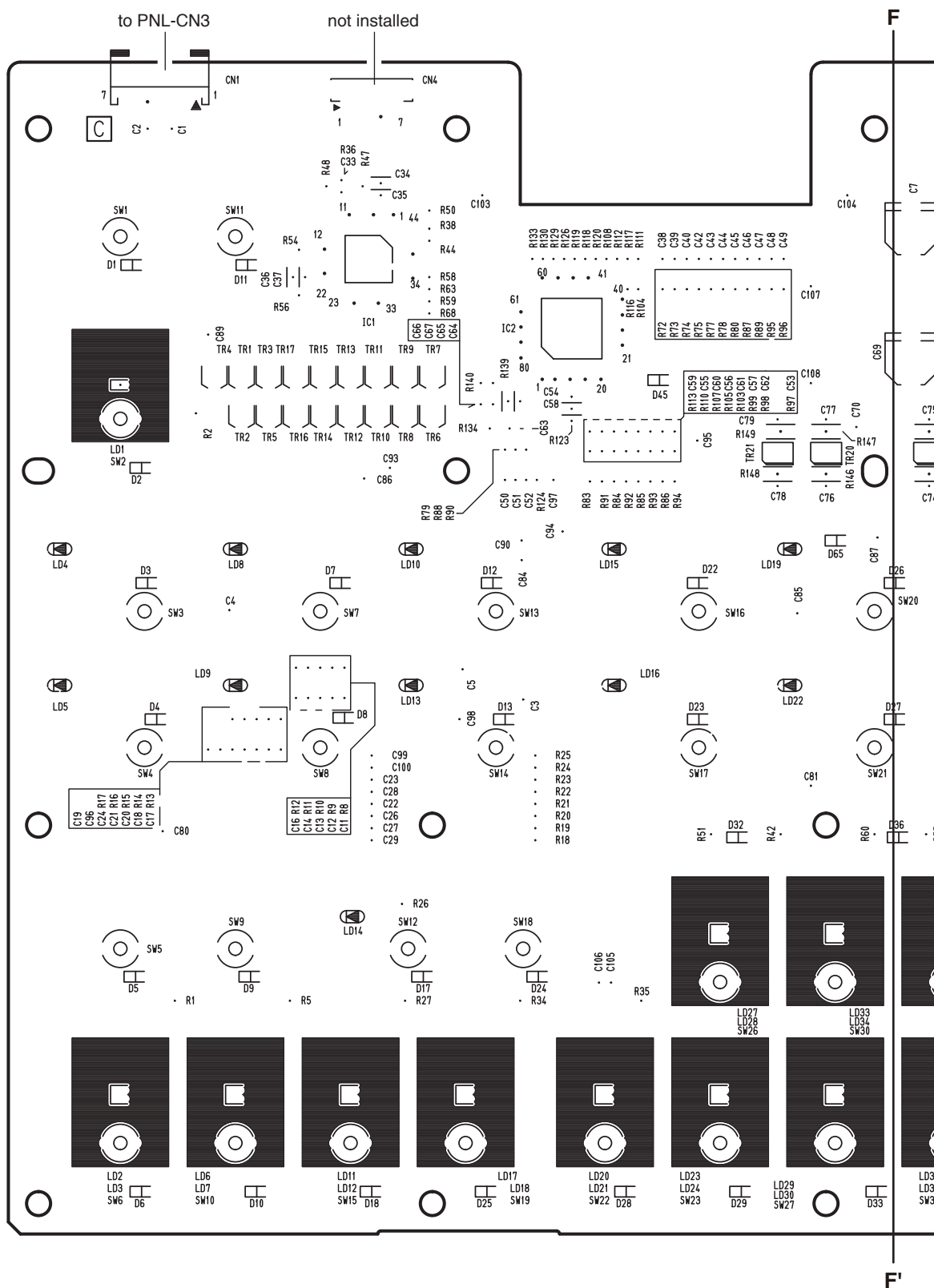
● EN Circuit Board

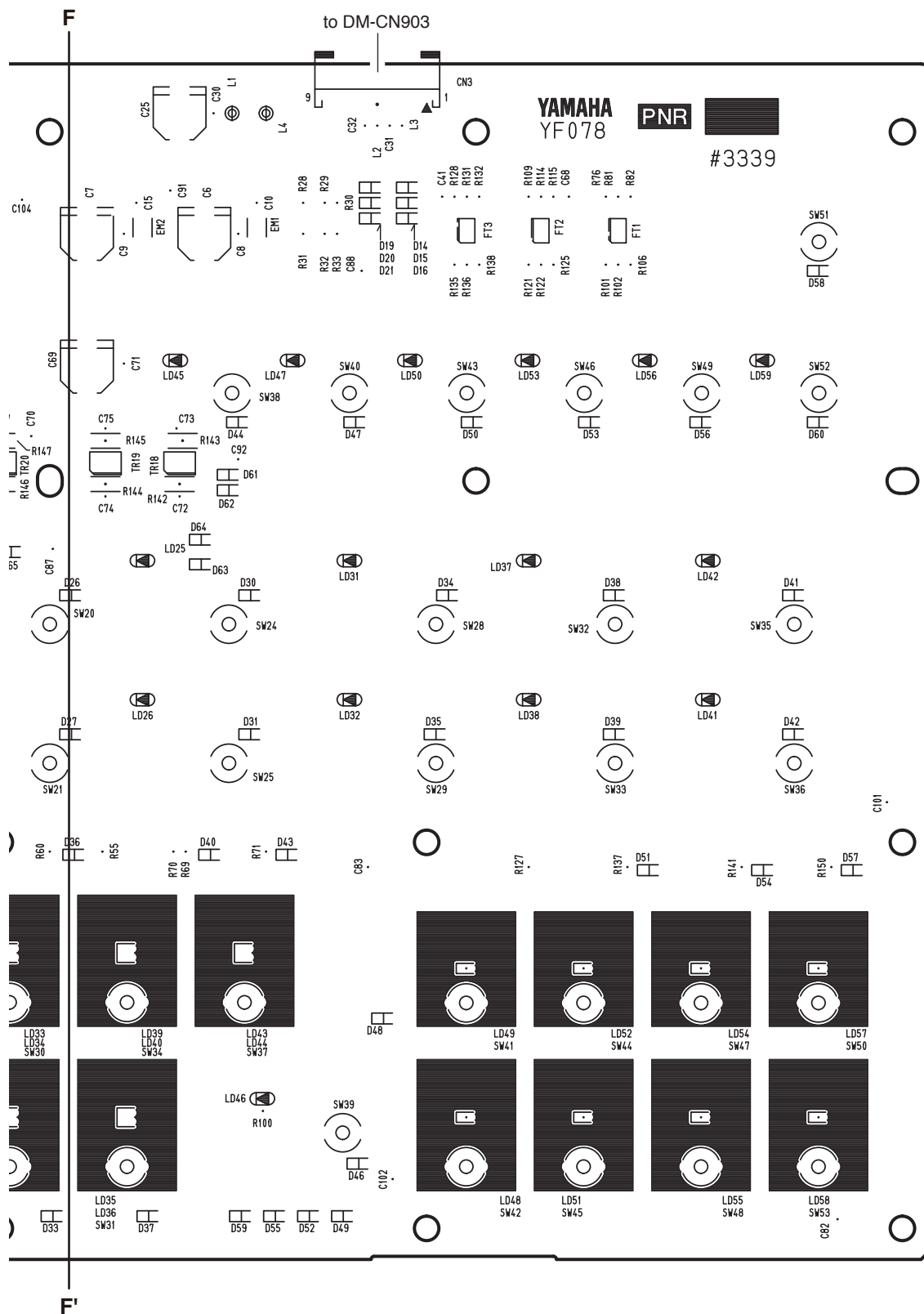


Component side

Component side

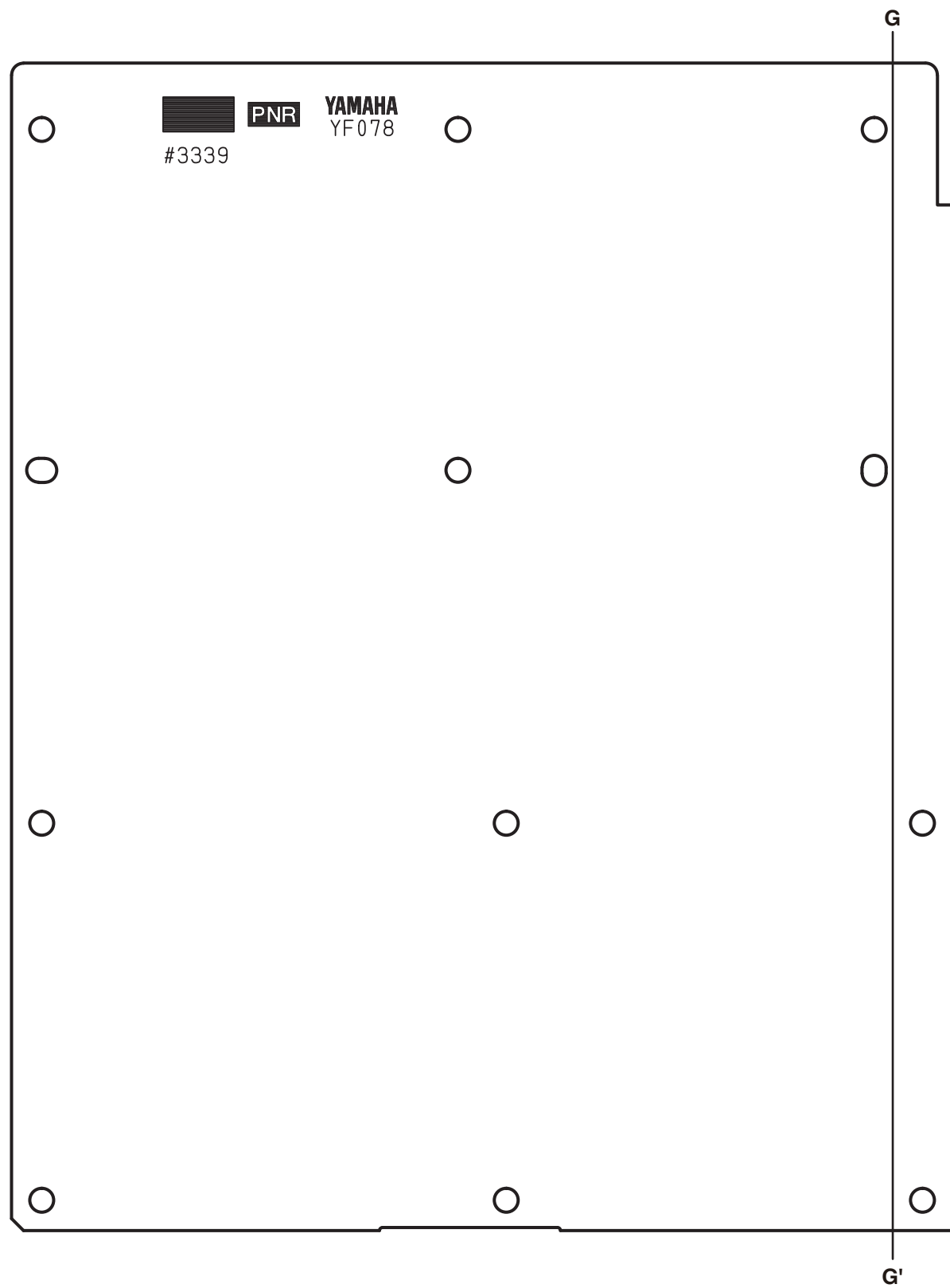
- **PNR Circuit Board**

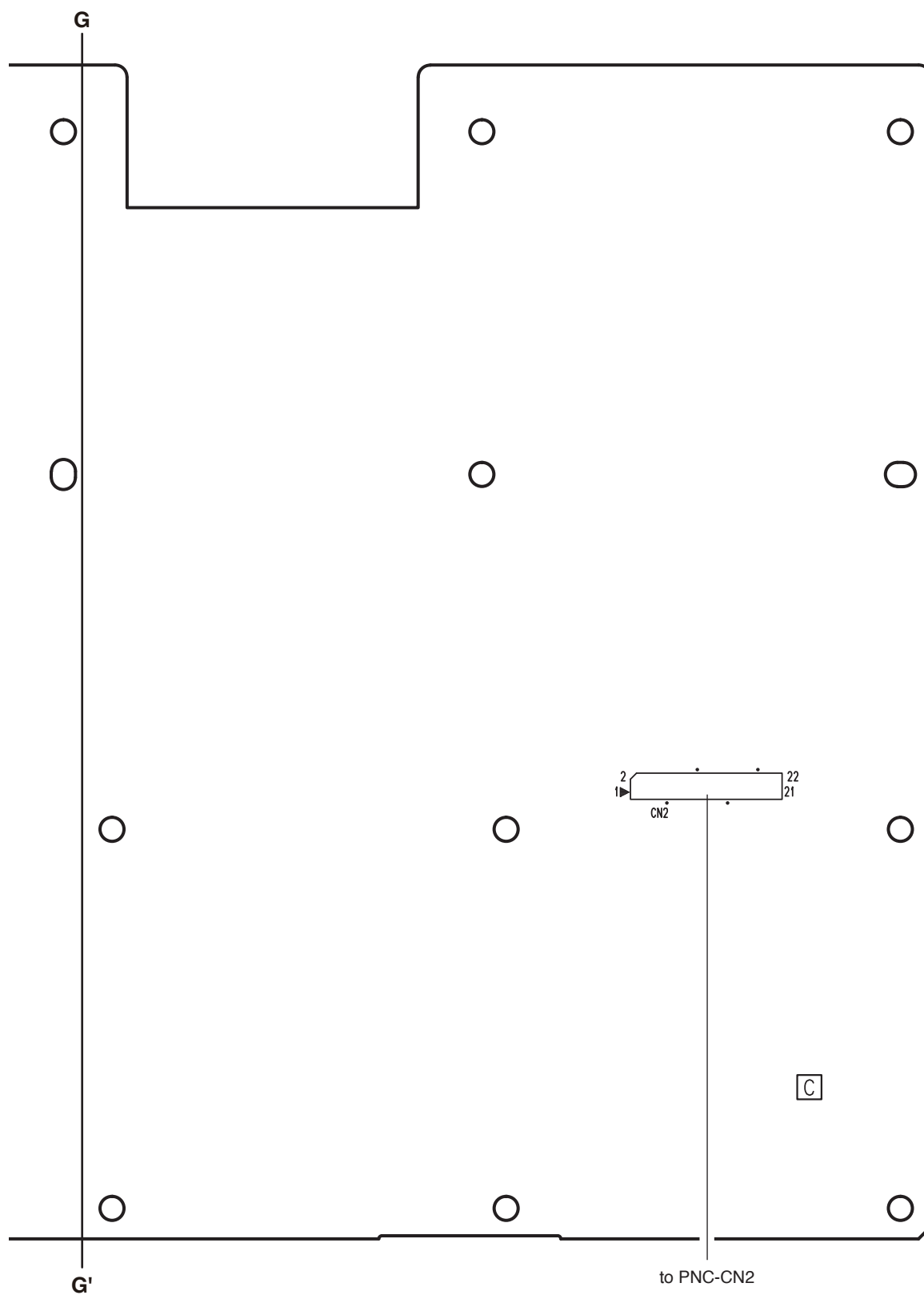




Component side

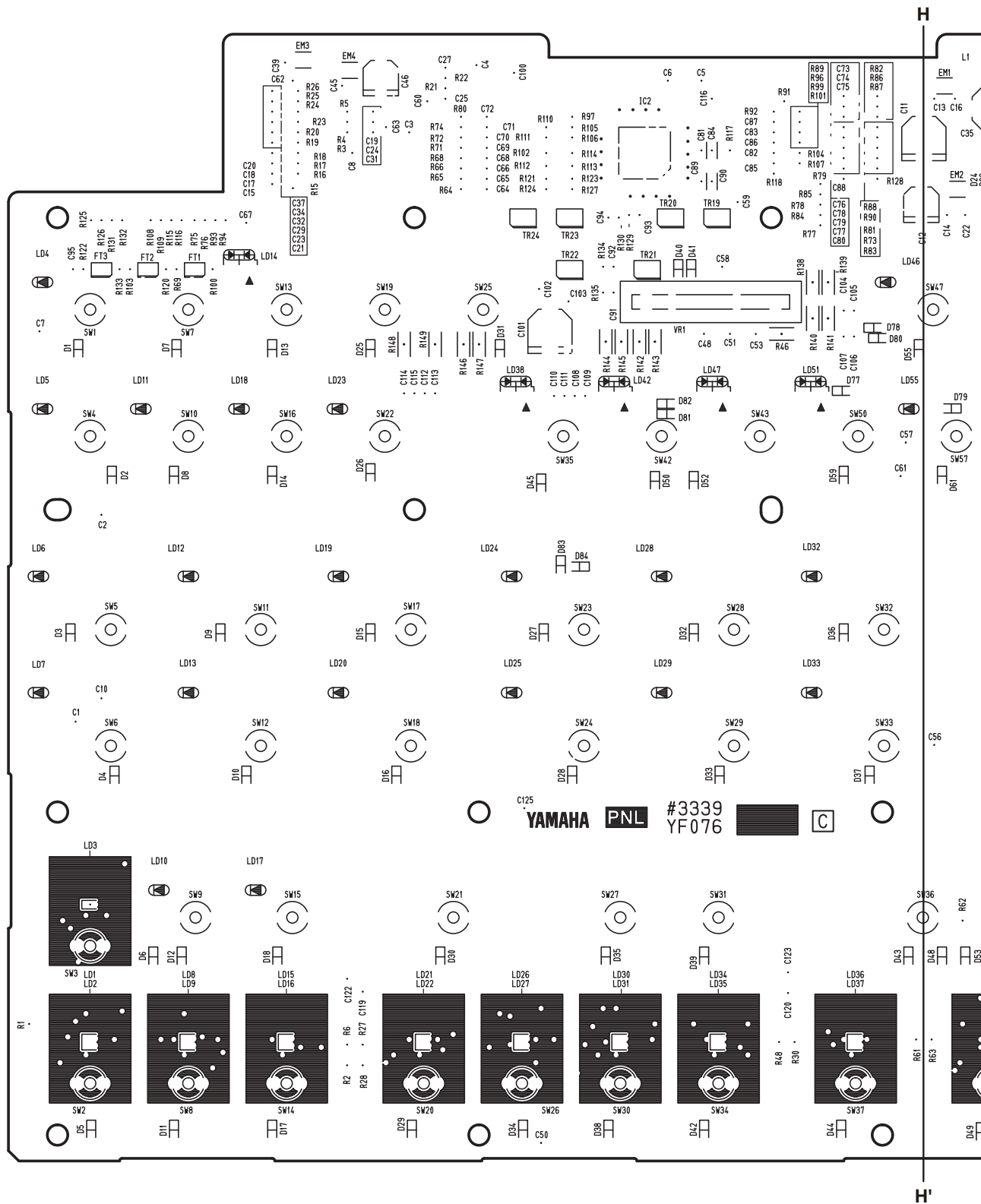
● PNR Circuit Board



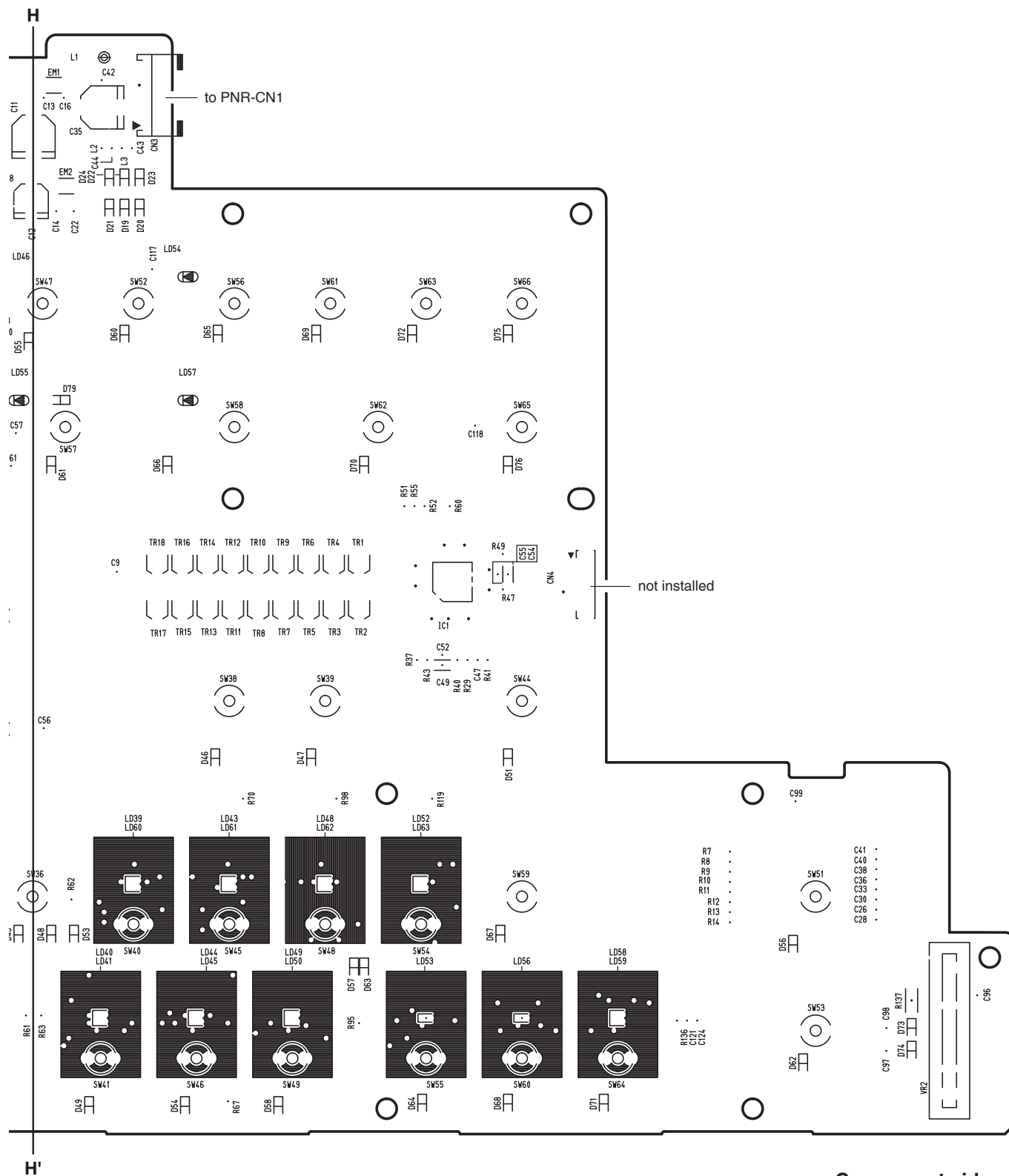


Pattern side

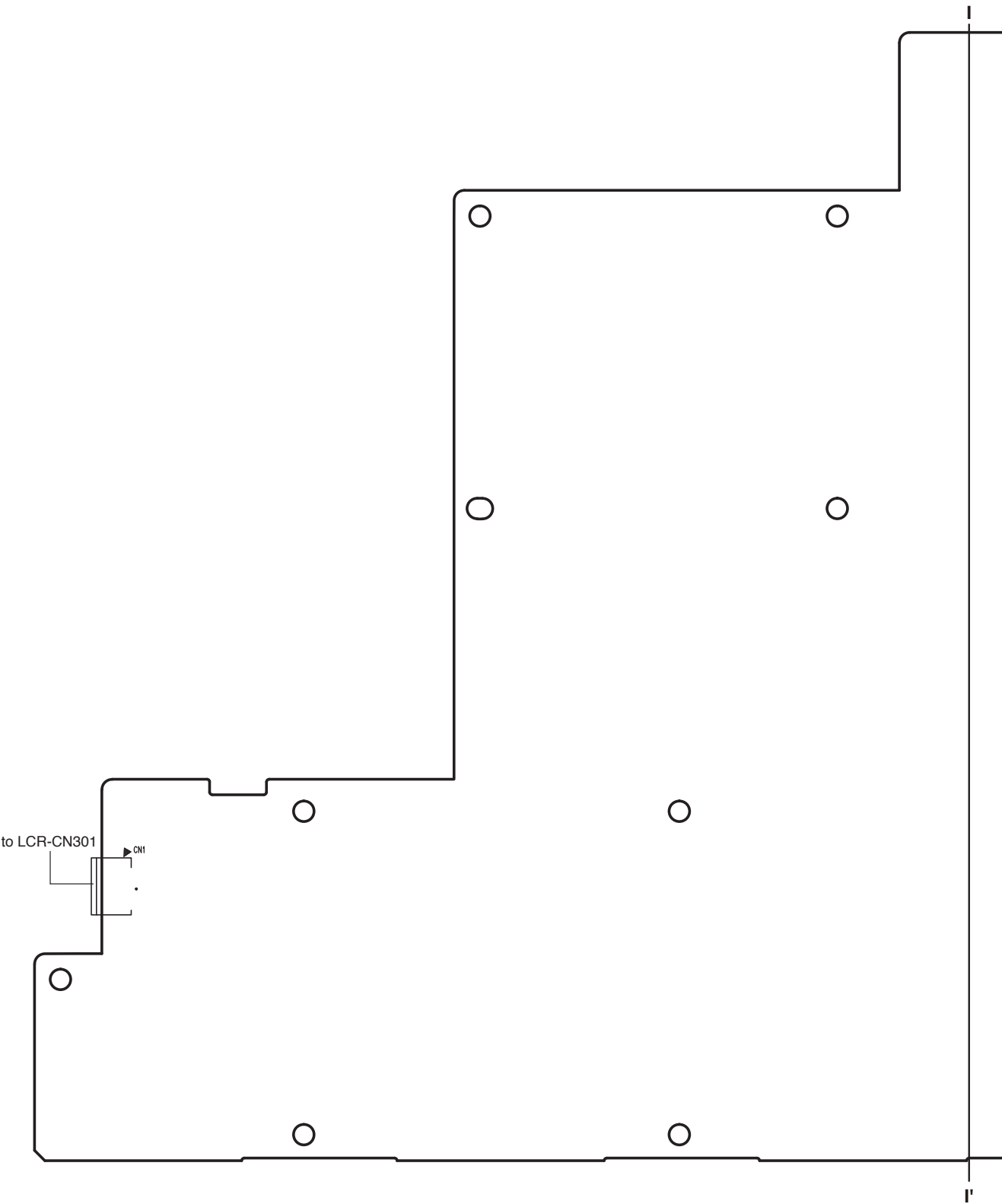
● PNL Circuit Board



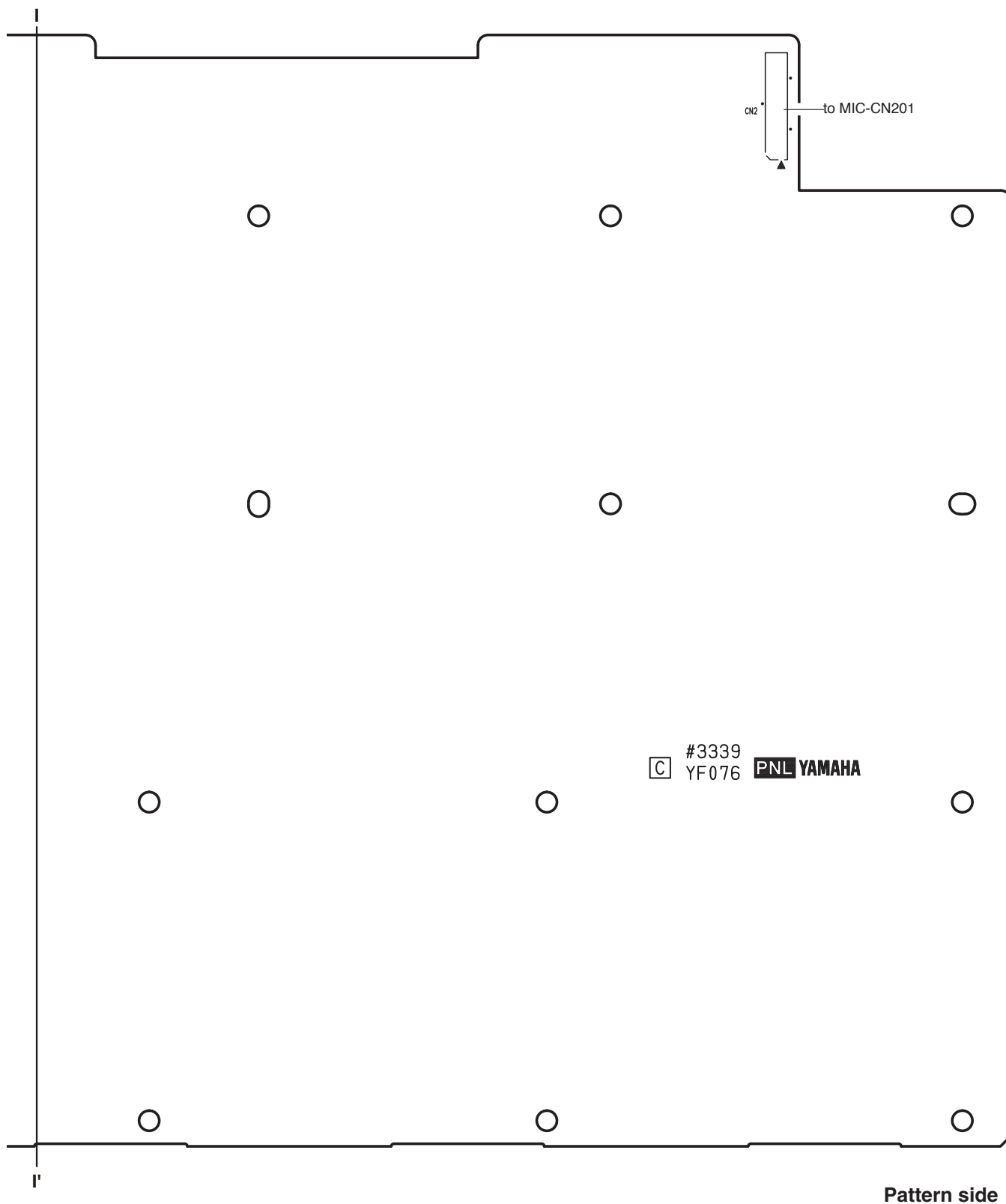
Scale: 90/100



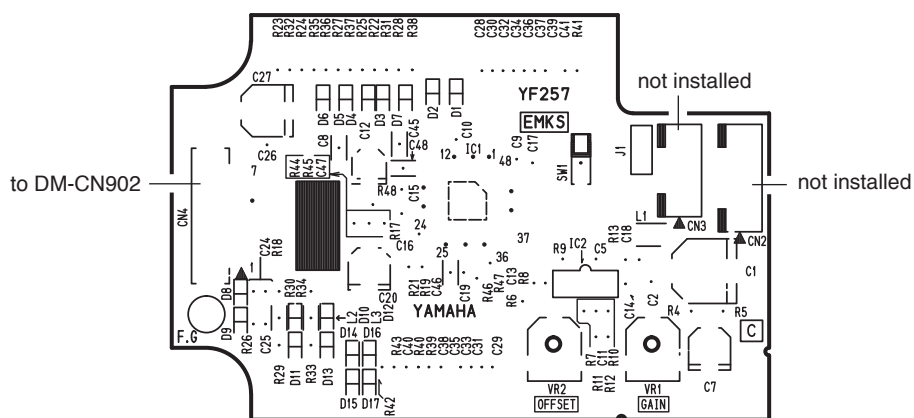
● PNL Circuit Board



Scale: 90/100

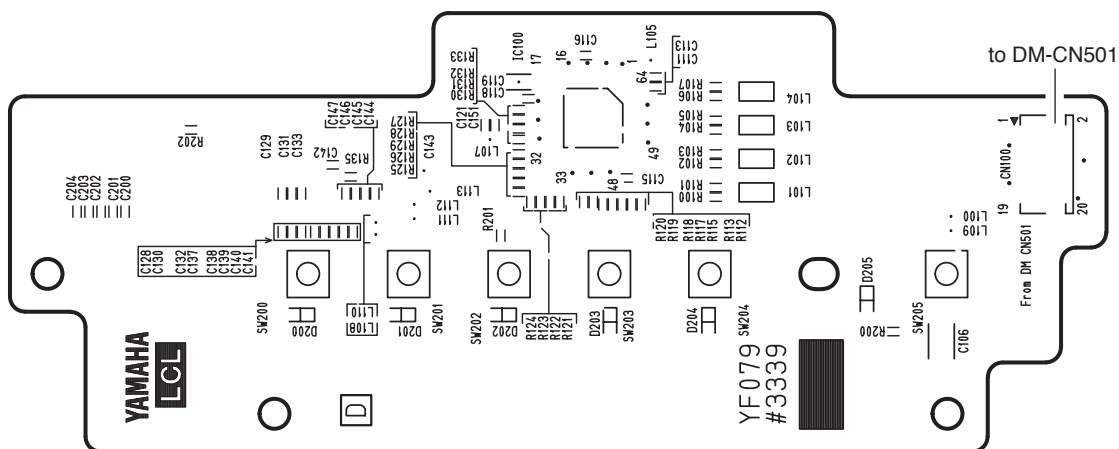


● EMKS Circuit Board



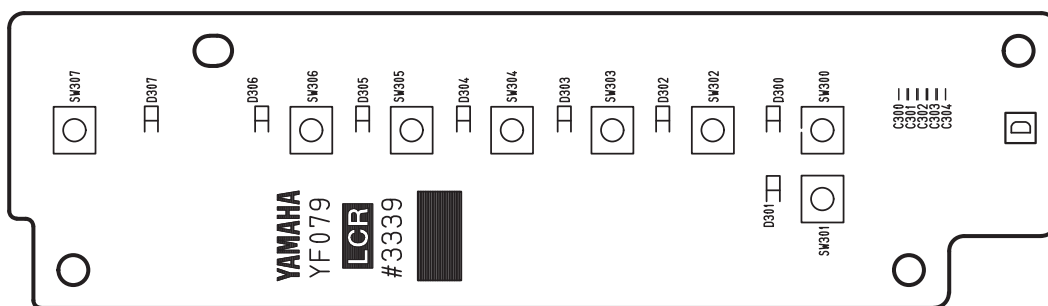
Component side

● LCL Circuit Board





Component side

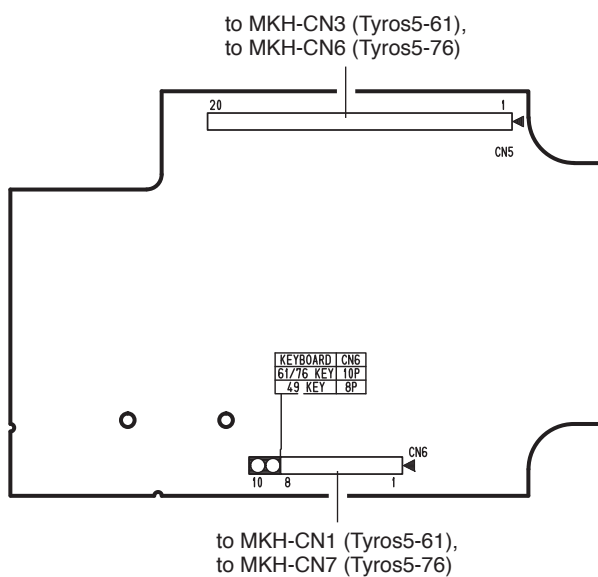
● LCR Circuit Board



Component side

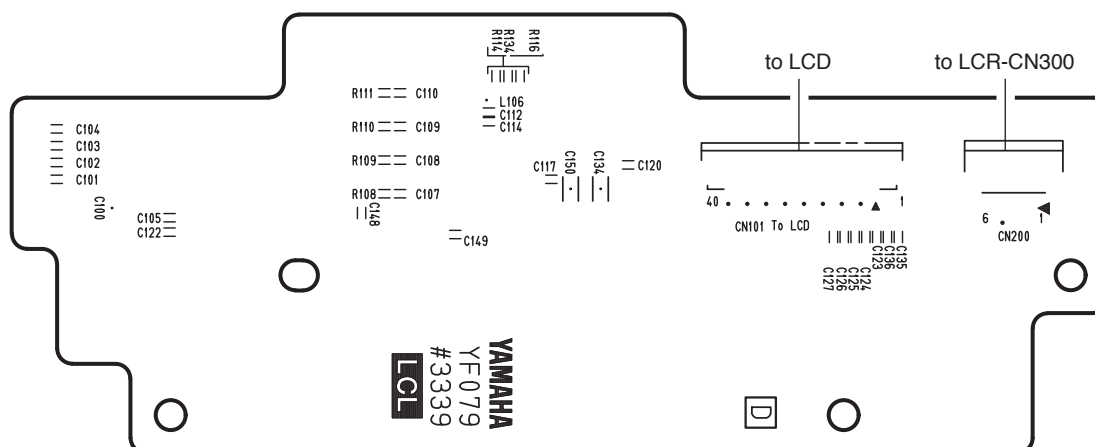
LCL,LCR: 2NA-ZE99630 
EMKS: 2NAKZ-ZF60830 

- **EMKS Circuit Board**



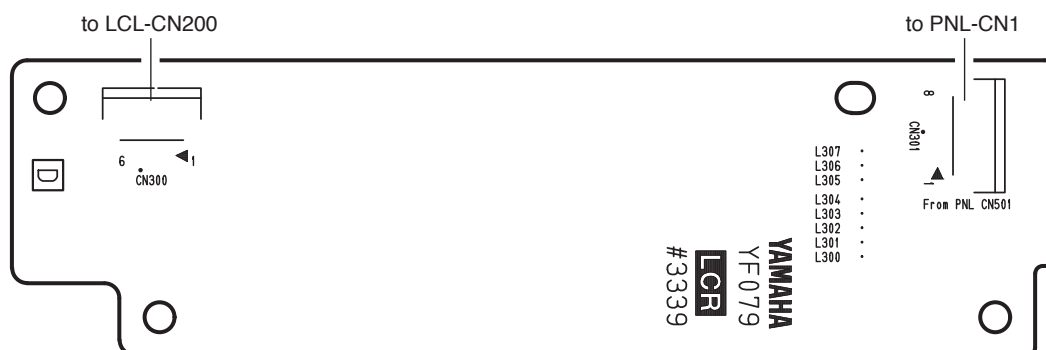
Pattern side

- **LCL Circuit Board**





Pattern side

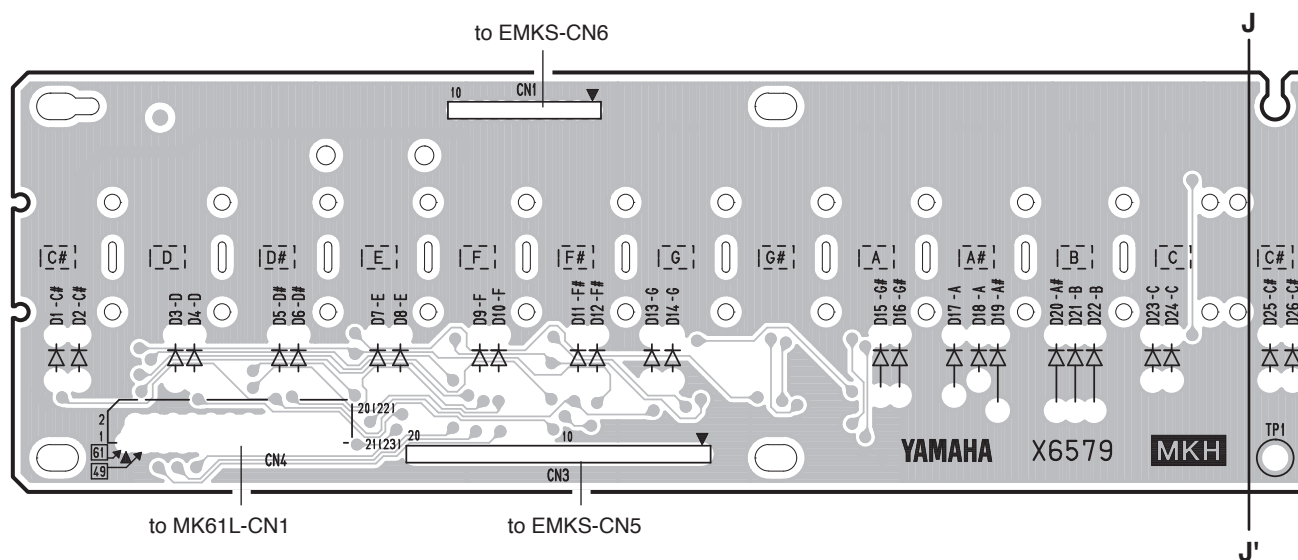
- **LCR Circuit Board**

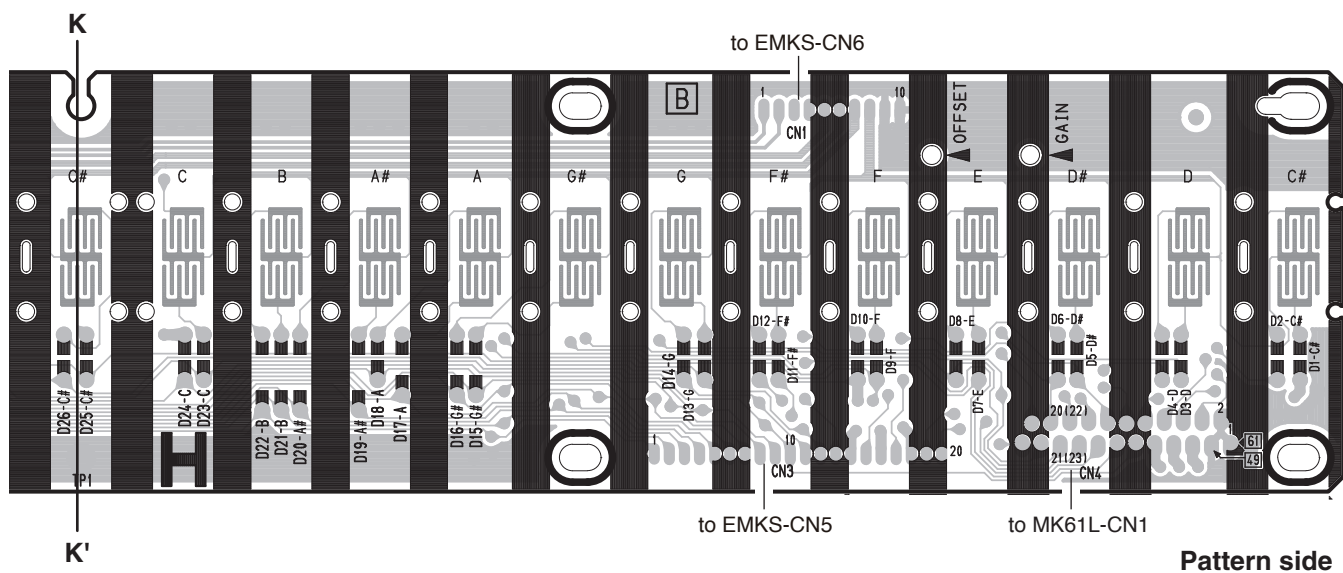
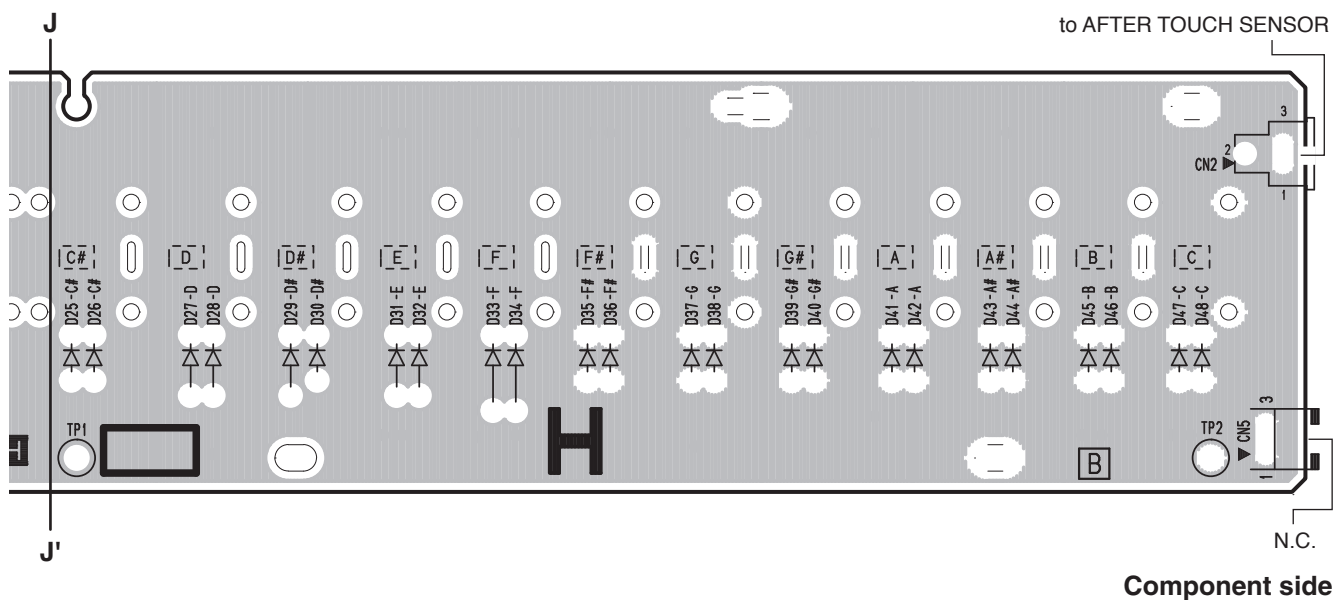


Pattern side

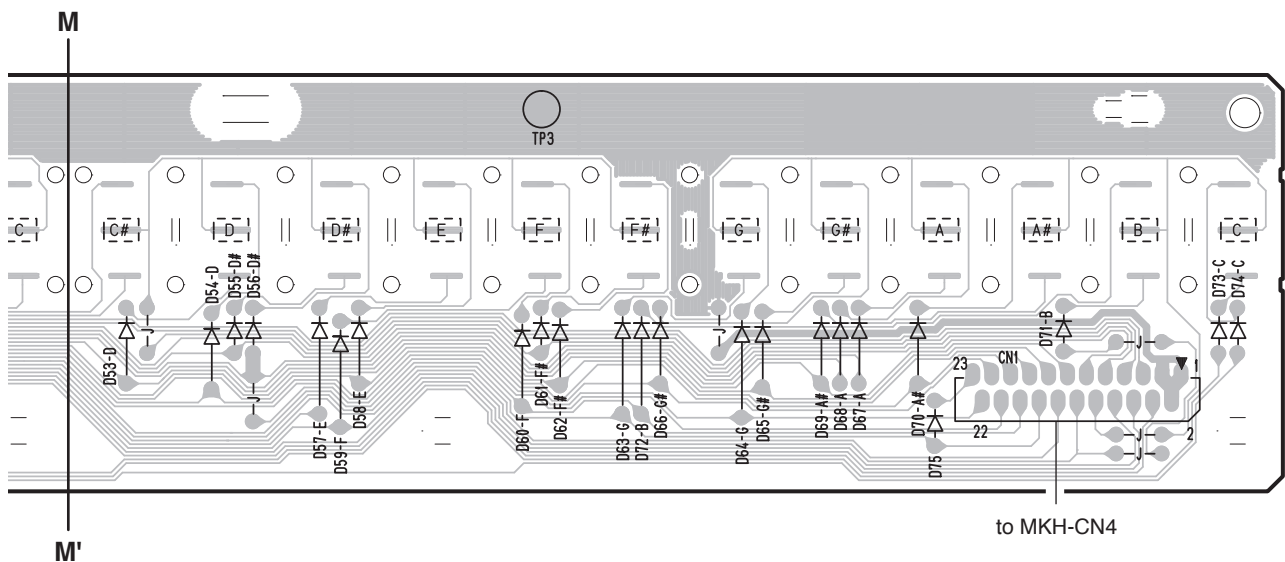
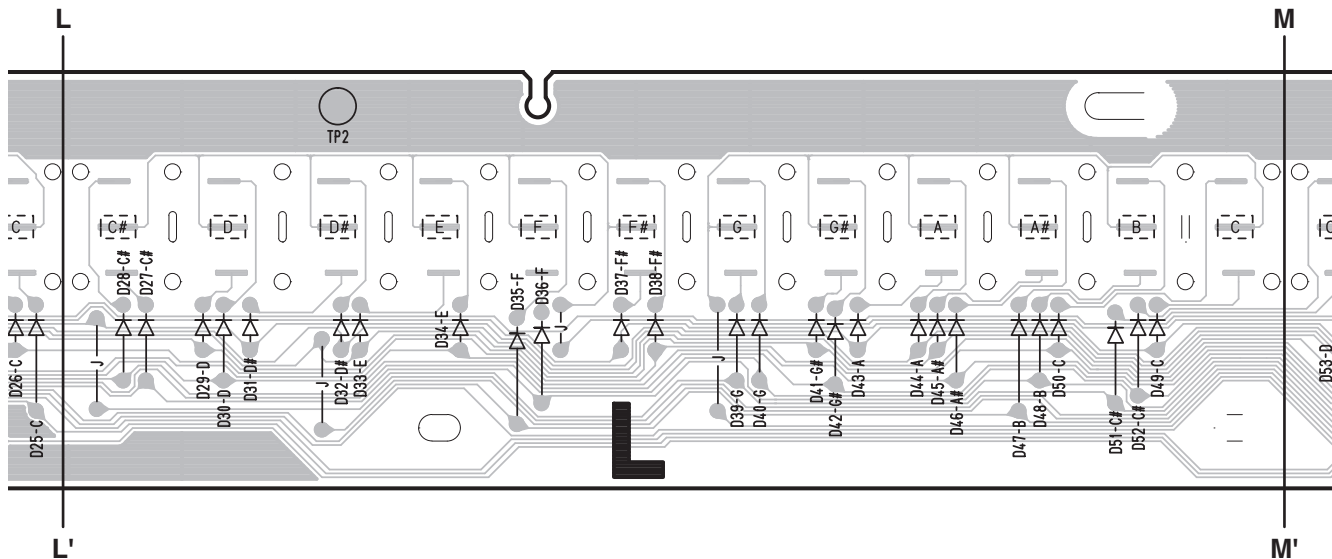
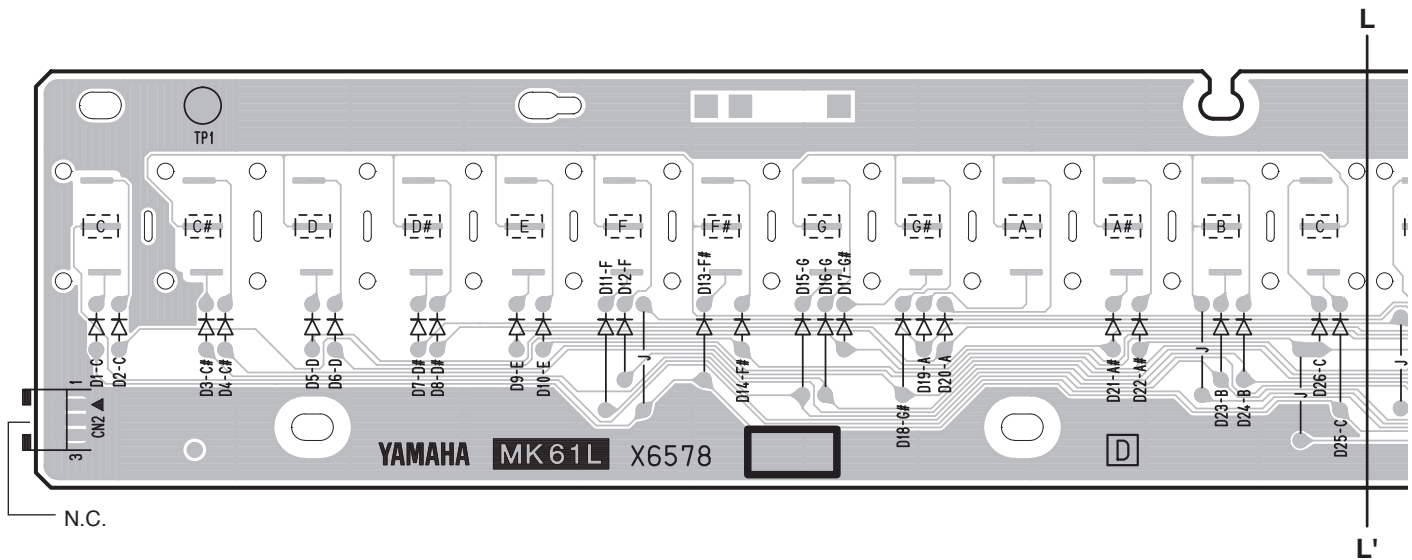
LCL,LCR: 2NA-ZE99630 
EMKS: 2NAKZ-ZF60830 

● MKH Circuit Board (Tyros5-61)





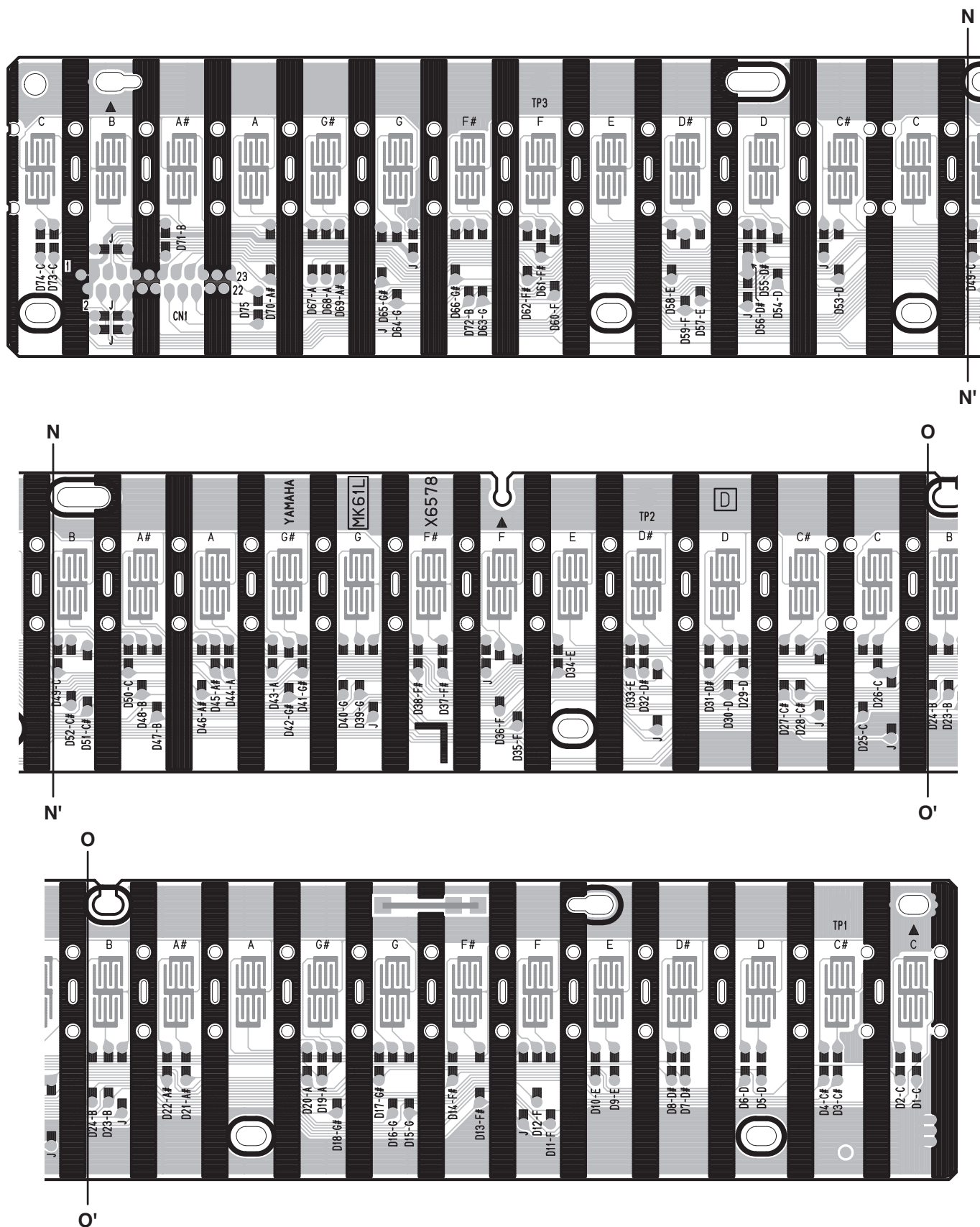
● MK61L Circuit Board (Tyros5-61)



Component side

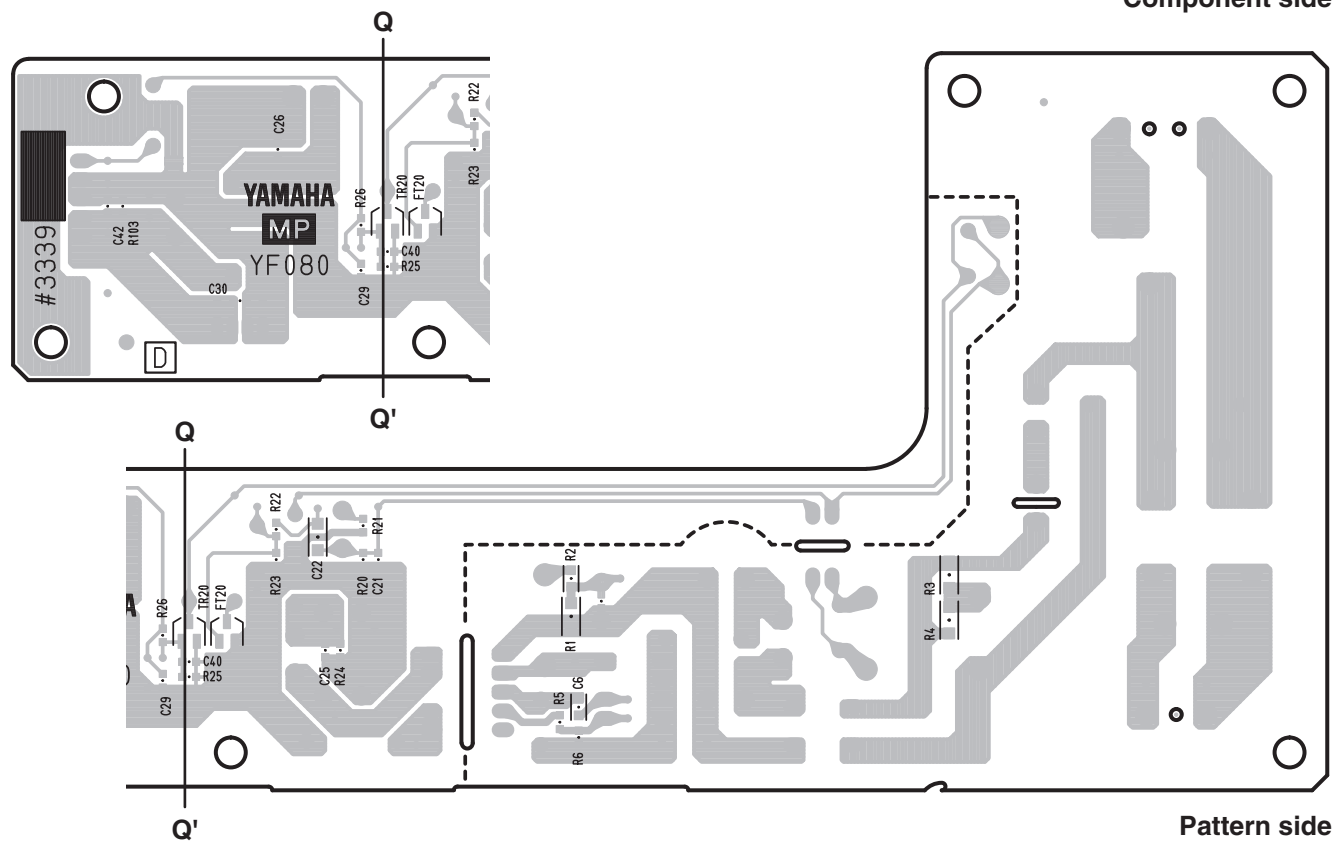
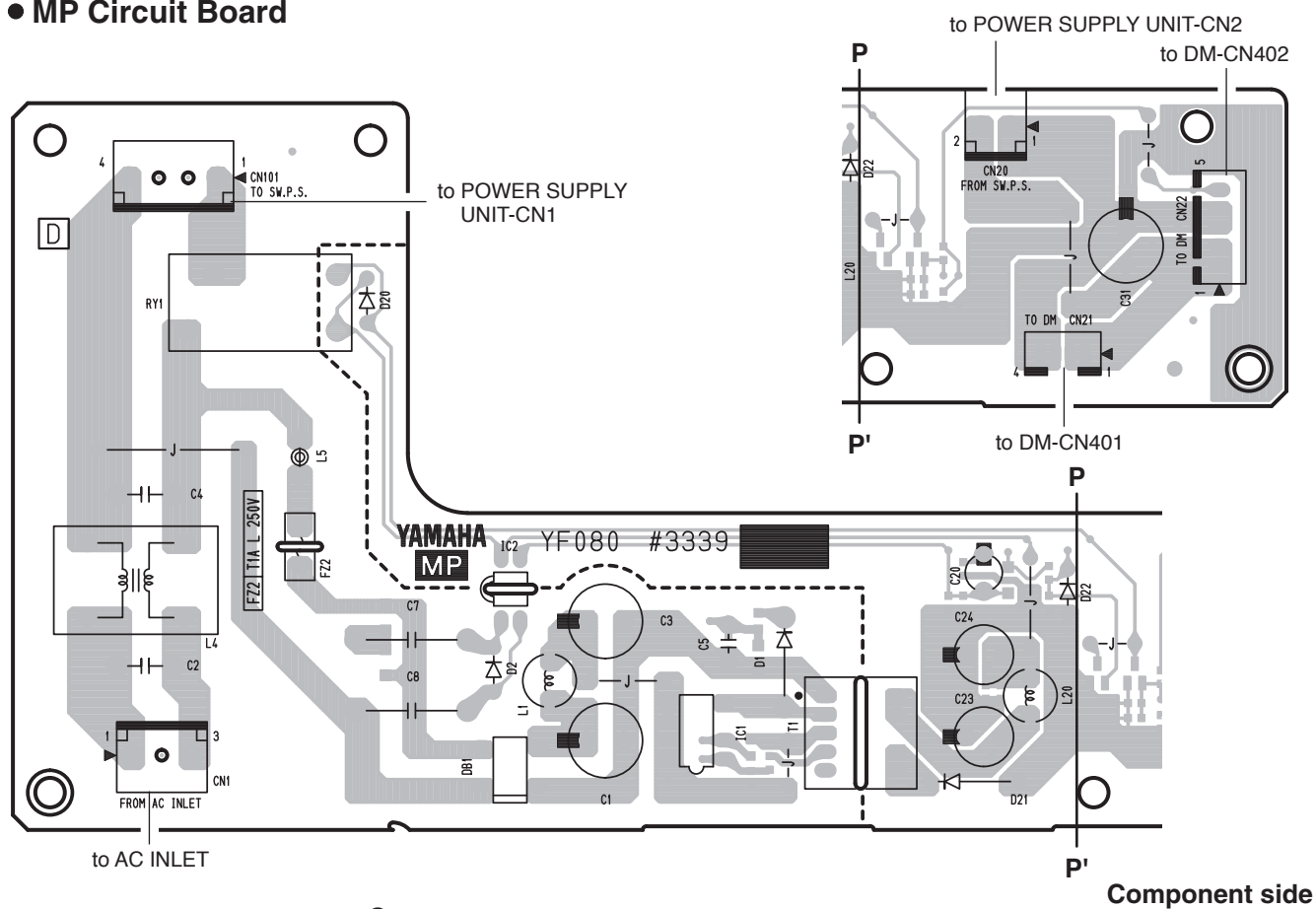
2NAKZ-WD80020

● MK61L Circuit Board (Tyros5-61)

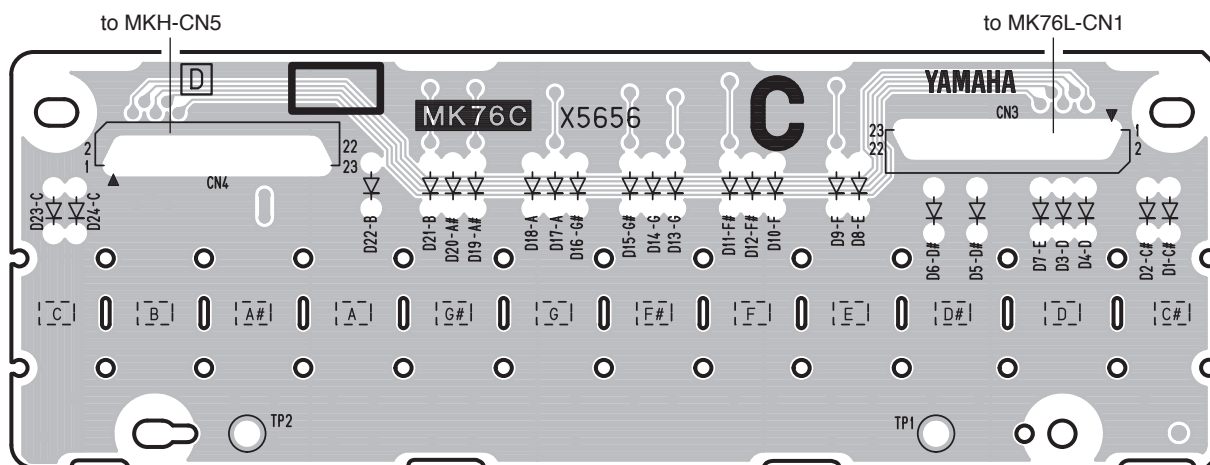


Pattern side

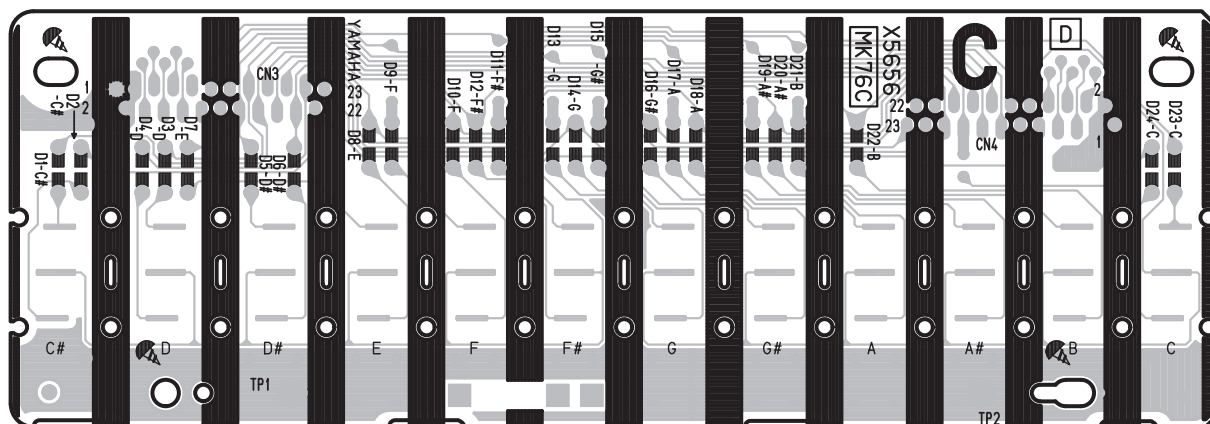
● MP Circuit Board



● MKC Circuit Board (Tyros5-76)

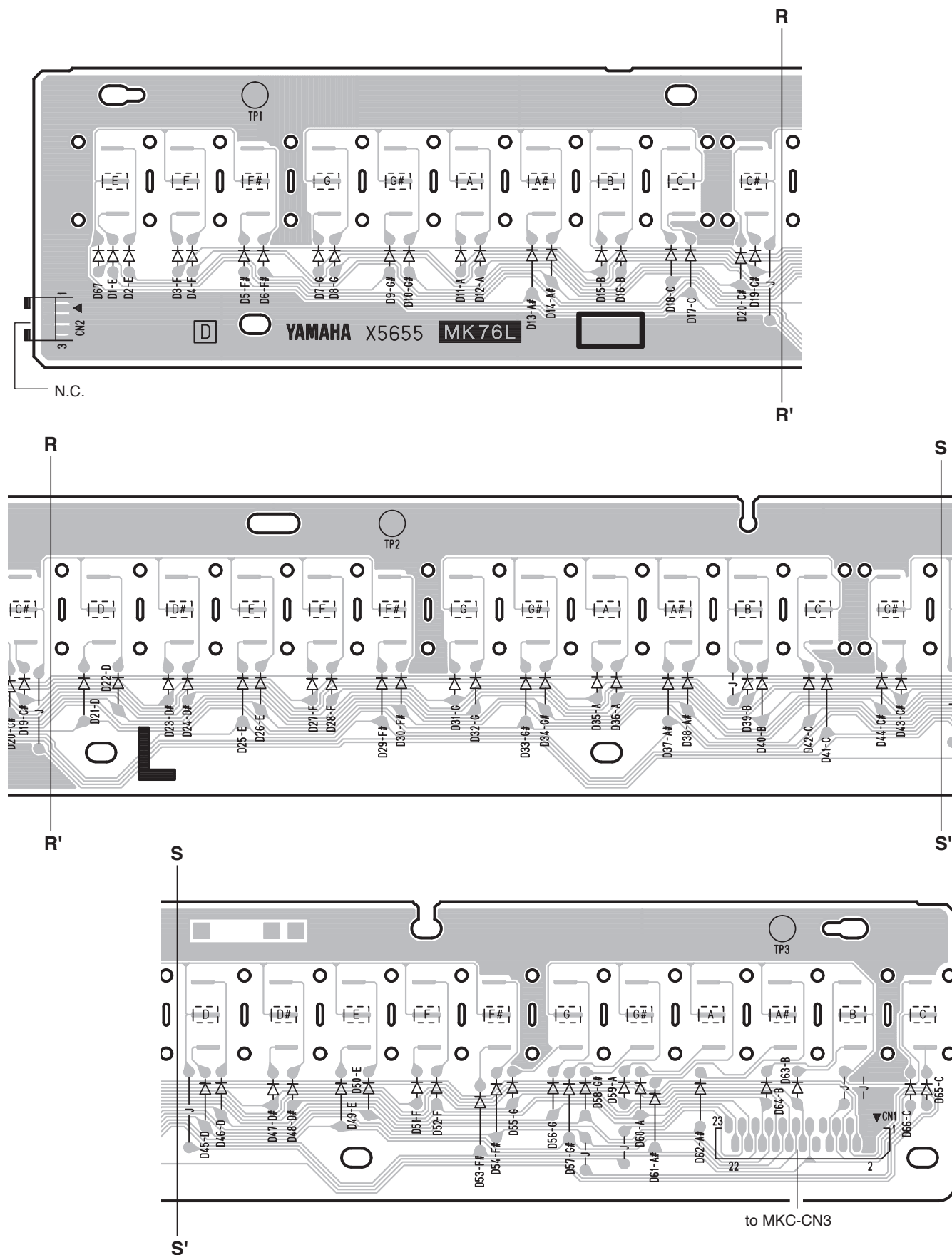


Component side



Pattern side

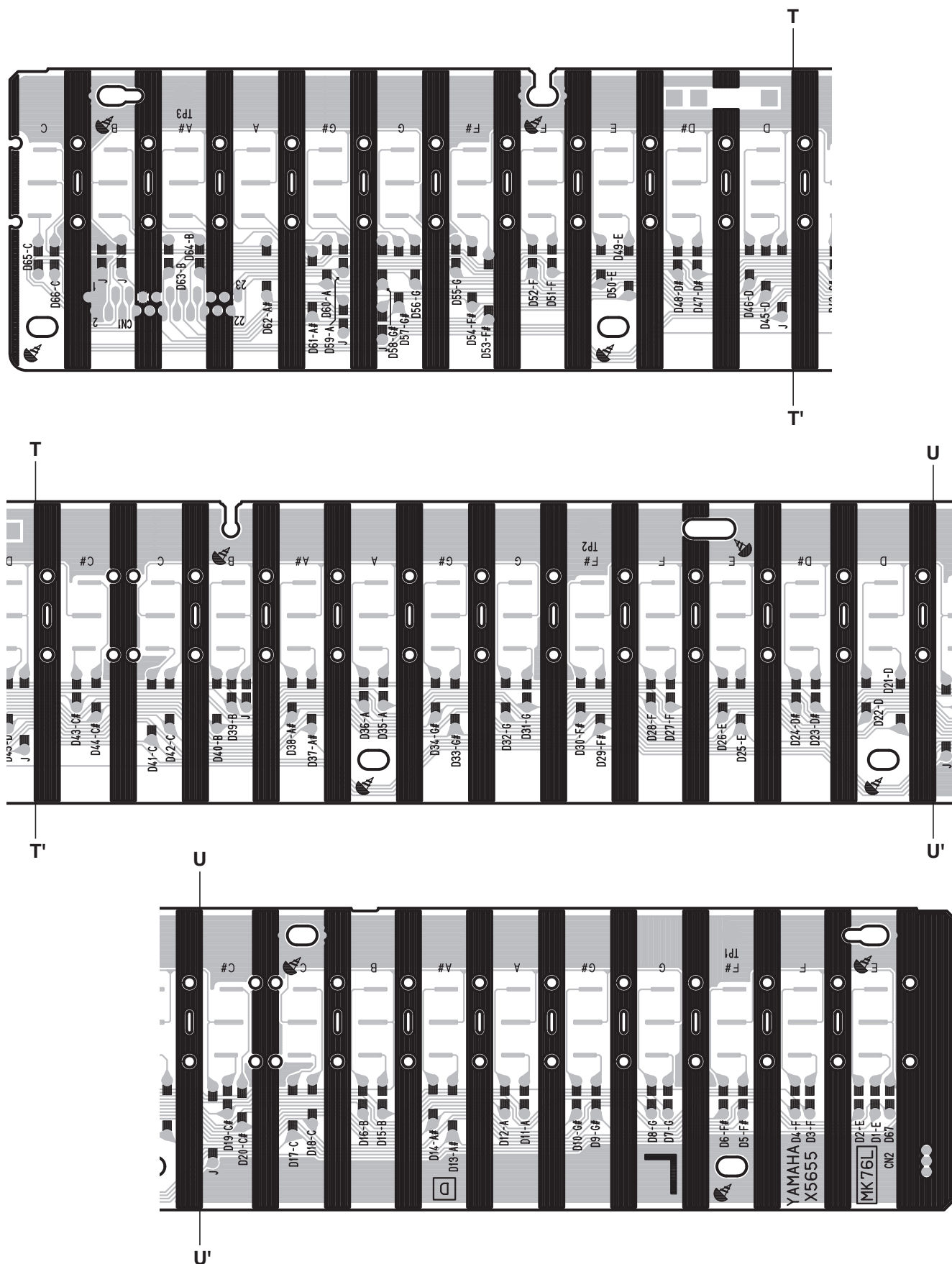
● MK76L Circuit Board (Tyros5-76)



Component side

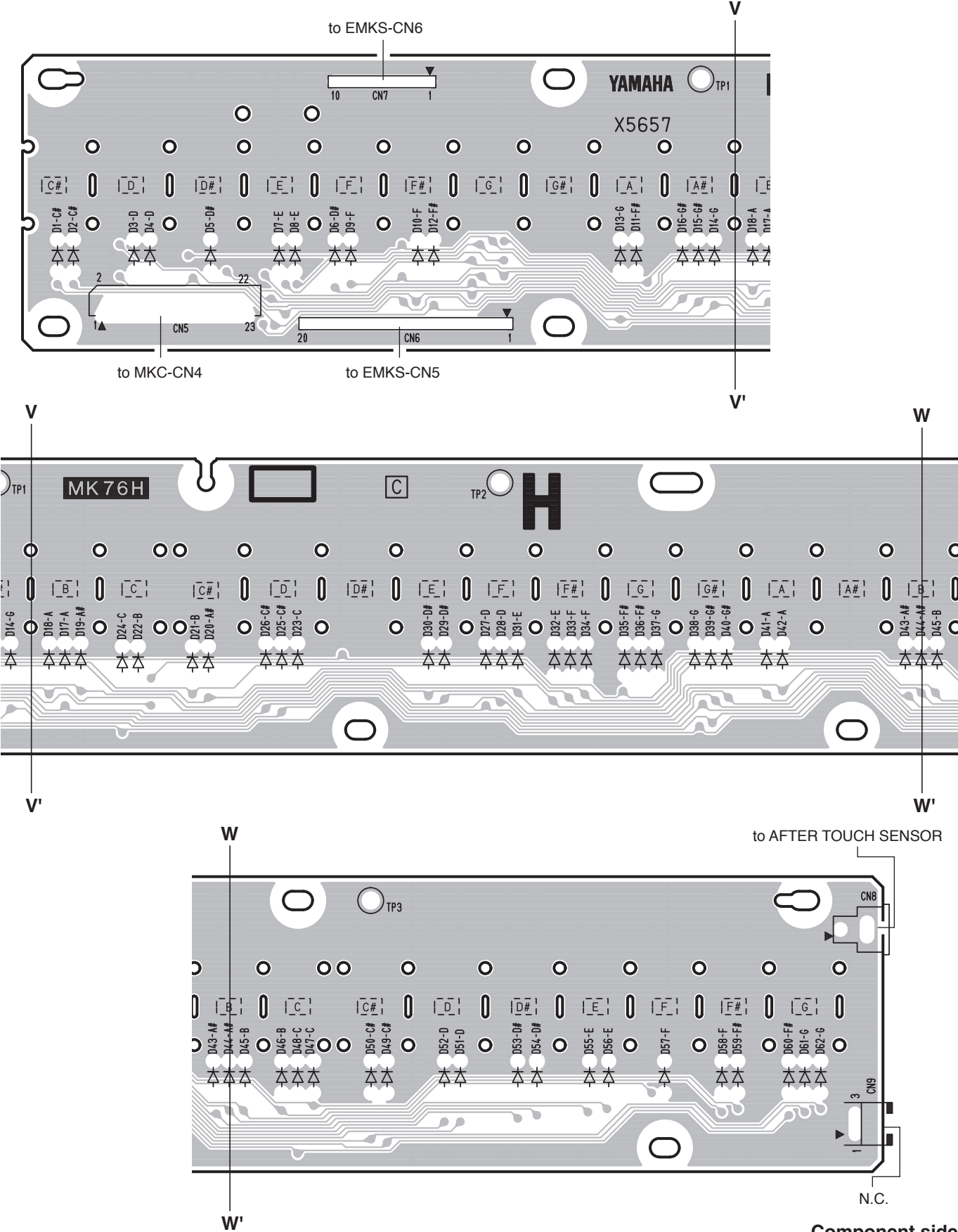
2NAKZ-WD80730

● MK76L Circuit Board (Tyros5-76)

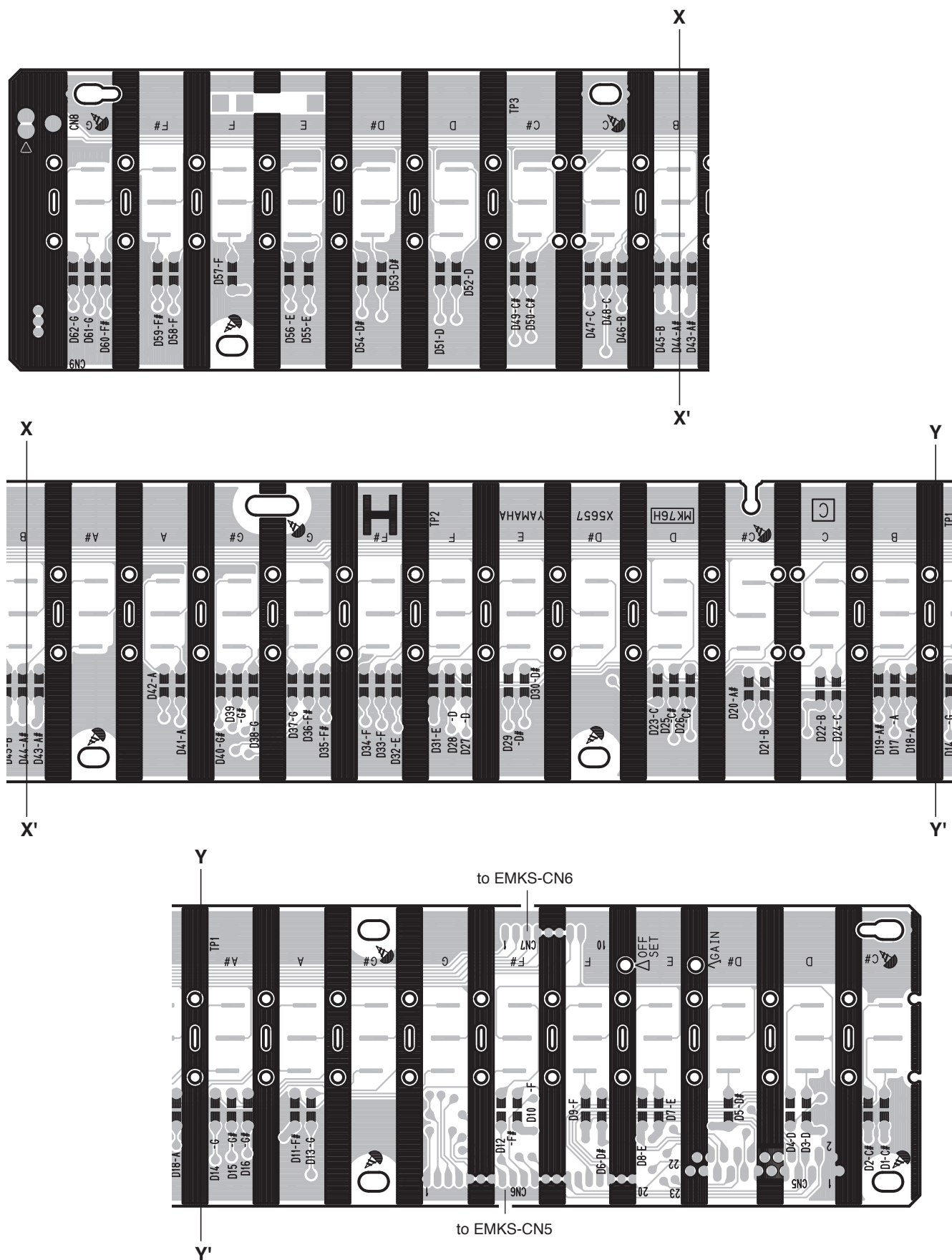


Pattern side

● MKH Circuit Board (Tyros5-76)



● MKH Circuit Board (Tyros5-76)



TEST PROGRAM

1 Preparations

1-1: Measuring Devices

- Low-frequency oscillator
- Level meter (JIS-C curve)
- Frequency Counter (which can detect hundredth value or more)
- Oscilloscope

1-2: Jigs

- Stereo phone jack cable (33 Ω load)
- MIDI cable x 2
- USB cable (type AB)
- Foot Controller (FC7 or equivalent)
- Headphone
- Powered speaker (which can be connected to the LINE OUT jacks)
- USB-Storage device (already confirmed by Yamaha to work correctly with this instrument)
- Monaural phone jack cable (10 k Ω load) x 2
- Mini D-Sub15 pin RGB cable
- Color CRT monitor (RGB input compatible)
- Microphone (XLR or 1/4" phone plug connectors)
- Optional speaker (TRS-MS05 or equivalent)

1-3: Others

- The tolerance shall be within ± 2 dB
- The unit for analog input/output level is as follows: 0 dBu = 0.775 Vrms

NOTE

A certain test erases data saved in this instrument. This is why you should save the data in this instrument to an external device or computer.

2 Starting up the test program

Turn on the [POWER] switch while holding down the [C#2], [F2], and [G#2] keys (C#2 major code). (Fig. 1)

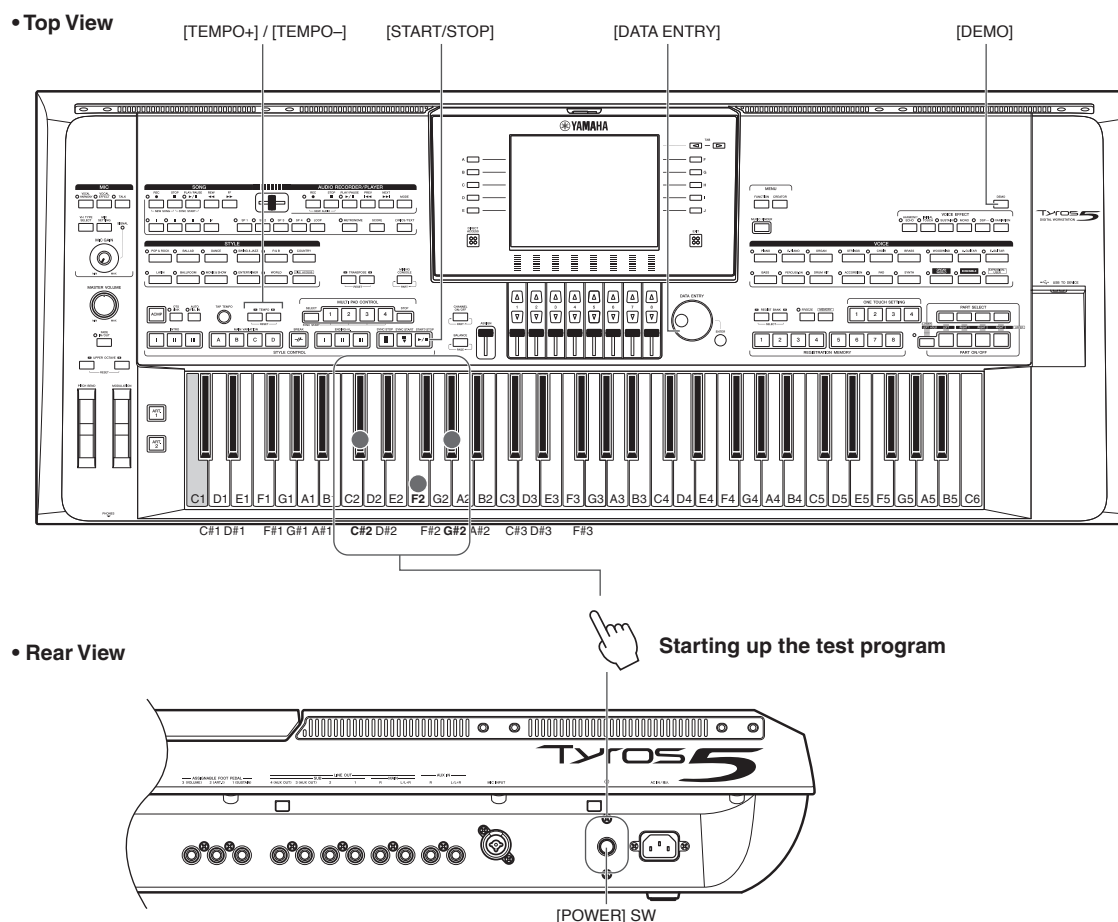


Fig. 1

3 Confirming the display

When the power is turned on, either of the following displays appears.



4 How to execute the test

4-1. Select a test program item.

Press the TEMPO [+)/[-] button or rotate the DATA ENTRY dial.

To confirm whether the selected test is completed or not:

Check whether “*” is shown or not at the left side of the test number. If “*” is shown, the currently selected test has been executed once.

4-2. Execute the test selected in Step 4-1.

Although pressing the STYLE CONTROL [START/STOP] button will start the test basically, certain tests require more operations. For details, refer to the explanation page for each Test Program item.

Display while the test is being executed:

" -- " is shown under the current test item, or " -- " flashes when the current test requires much time such as “Memory Check1 All”, “Backup ROM Check1, 2” and “Wave ROM Check 2.”

To exit from the current test:

Press the lowest key “C1” (Tyros5-76 are “E0”) on the keyboard or the [DEMO] button to return to the Test Program selection display.

4-3. After the test ends, execute the following operations depending on OK or NG.

If the test result is OK:

Press the STYLE CONTROL [START/STOP] button again to go back to the item selection display.

If the test result is NG:

Press the lowest key “C1” (Tyros5-76 are “E0”) on the keyboard or the [DEMO] button to go back to the item selection display. Note that the [START/STOP] button is ineffective in case of NG.

•Test Program Item List

Test No.	Test Program Item (Indication on the LCD)	Instruction (corresponding to Step 4-2)
001	Version	<p>Indicates the current version of the firmware.</p> <p>1) Press the [START/STOP] button to call up the first page of this test.</p> <p>On this first page, you can confirm the current version of each ROM.</p> <p>NOTE:The Tyros5 provides "Hardware ID" which is exclusive or unieque to each product. This number will be necessary when a customer purchases any online service.</p> <p>Model Name :TYROS5-61(E) or :TYROS5-76(E)</p> <p>MAIN Prog ROM :1.**</p> <p>SSP2 Prog ROM :1.**</p> <p>MAIN Data ROM :1.**</p> <p>WAVE Data ROM :1.**</p> <p>NAND Data ROM :1.**</p> <p>Hardware ID :XX0000000XX (11 digit alphanumeric)</p>
002	Memory Check1 All	<p>Executes the simplified check of all the memories (003-008) at one time.</p> <p>NOTE: This test requires approximately 15 seconds and cannot be aborted once started.</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>Test 003 – Test 008 are executed automatically in sequence as long as no problem is detected.If no problem for all the test programs is found, “OK” is shown on the LCD.</p> <p>If any problem is found, this test stops at that timing, then “NG” is shown on the LCD with the ROM name and IC number which has a problem.</p> <p>The rest of the test programs will not be executed.</p>
003	ROM Check1	<p>Executes the simplified check of the ROM (except for the NAND flash memory).</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>The Read test (checksum test) is executed. In addition, the Write Pin check for the Program Flash ROM is executed.If no problem is found, “OK” is shown on the LCD.</p> <p>If any problem is found, this test stops at that timing, then “NG” is shown on the LCD with the ROM name and IC number which has aproblem.</p> <ul style="list-style-type: none"> • If the MAIN PROG ROM (DM:IC114) is NG: “MAIN PROG ROM (IC114) NG” • If the MAIN DATA ROM (DM:IC118) is NG: “MAIN DATA ROM (IC118) NG” • If the SSP PROG ROM (DM:IC907) is NG: “SSP ROM (IC907) NG”
004	NAND ROM Check1	<p>Executes the simplified check of the NAND flash memory.</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>The Read/Write test for the NAND ROM (connection test) is executed.If no problem is found, “OK” is shown on the LCD.If any problem is found, this test stops at that timing, then “NG” is shown on the LCD with the ROM name and IC number which has a problem</p> <ul style="list-style-type: none"> • If the NAND ROM (DM:IC301,IC302) is NG: “NAND ROM (IC301,IC302) NG”
005	RAM Check1	<p>Executes the simplified check of the RAM.</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>The Read/Write test for the RAM (connection test) is executed.</p> <p>If no problem is found, “OK” is shown on the LCD.</p> <p>If any problem is found, this test stops at that timing, then “NG” is shown on the LCD with the RAM name and IC number which has a problem.</p> <ul style="list-style-type: none"> • If the MAIN SDRAM (DM:IC306-309,IC310) are NG: “MAIN SDRAM (IC306-309,IC310) NG” • If the SSP SRAM (DM:IC906) is NG: “SSP SRAM (IC906) NG”

Test No.	Test Program Item (Indication on the LCD)	Instruction (corresponding to Step 4-2)
006	Backup ROM Check1	<p>Executes the simplified check of the Backup Flash ROM.</p> <p>NOTE: This test requires approximately 7 seconds and cannot be aborted once started.</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>The Read/Write test for the Backup Flash ROM (connection test) is executed. If no problem is found, “OK” is shown on the LCD. If any problem is found, this test stops at that timing, then “NG” is shown on the LCD with the ROM name and IC number which has a problem.</p> <p>NOTE:</p> <ul style="list-style-type: none"> • The test program cannot be aborted until “OK” or “NG” is shown on the LCD. • Never turn off the power during the test is being executed because the original data will be restored after the test is completed. <p>• If the BACKUP (DM:IC123) is NG: “BACKUP (IC123) NG”</p>
007	Wave ROM Check1	<p>Executes the simplified check of the Wave ROM</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>The Read test (Checksum test) for the Wave ROM is executed. Because the Wave ROM is shared by both the TG1 (Master) and TG2 (Slave), this test is executed from both sides.</p> <p>If no problem is found, “OK” is shown on the LCD.</p> <p>If any problem is found, this test stops at that timing, then “NG” is shown on the LCD with the ROM name and IC number which has a problem</p> <p>• If the Wave (DM:IC702-704,IC716-718) is NG: “Wave (IC702-704,IC716-718) NG”</p>
008	Effect RAM Check1	<p>Executes the simplified check of the Effect RAM</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>The DSP RAM connected to the tone generator LSI is checked.</p> <p>If no problem is found, “OK” is shown on the LCD.</p> <p>If any problem is found, this test stops at that timing, then “NG” is shown on the LCD with the ROM name and IC number which has a problem. “TG1” and “TG2” indicate the SWP51 master and SWP51 slave respectively.</p> <p>• If the TG1 (DM:IC219) is NG: “TG1 (IC219) NG”</p> <p>• If the TG2 (DM:IC220) is NG: “TG2 (IC220) NG”</p>
009	SSP Check	<p>Checks whether the serial communication between the Main CPU and SSP is executed properly or not.</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>If no problem is found, the C5 sound is produced and “--” is shown on the LCD.</p> <p>If any problem is found, this test stops at that timing, then “NG” is shown on the LCD.</p> <p>2) Press the [START/STOP] button to stop the C5 sound if no problem is found in Step 1).</p>
010	Pitch Check	<p>Checks whether or not the correct pitch is output from this instrument.</p> <p>1) Connect the Frequency Counter to the MAIN L or R jack on the rear panel.</p> <p>2) Set the MASTER VOLUME to the maximum position.</p> <p>3) Press the [START/STOP] button to produce the A3 sound with the central Pan.</p> <p>“--” indicates that the sound is being produced.</p> <p>4) Check the Frequency counter indication.</p> <p>No problem if the indication is within 441.00 ± 0.22 Hz.</p> <p>5) Press the [START/STOP] button to stop the A3 sound.</p> <p>The LCD screen returns to the test program selection display.</p>

Test No.	Test Program Item (Indication on the LCD)	Instruction (corresponding to Step 4-2)
011	Output R Check	<p>Checks whether the stereo R sound is output from the LINE OUT MAIN jacks and PHONES jack properly or not.</p> <ol style="list-style-type: none"> 1) Connect the Level meter to the MAIN jacks or PHONES jack. 2) Set the MASTER VOLUME to the maximum position. 3) Press the [START/STOP] button to produce the C5 sound with the right-most Pan. “--” indicates that the sound is being produced. 4) Check the output level R indicated on the Level meter. No problem if the following conditions are satisfied. [PHONES] (33 Ω load) <ul style="list-style-type: none"> • PHONES L: -53.0 dBu or less • PHONES R: -1.3\pm2 dBu [LINE OUT MAIN] L/L+R, R (10 k Ω load) <ul style="list-style-type: none"> • LINE OUT MAIN L/L+R: -50.0 dBu or less • LINE OUT MAIN R: +10.3\pm2 dBu 5) Press the [START/STOP] button to stop the C5 sound. The LCD screen returns to the test program selection display.
012	Output L Check	<p>Checks whether the stereo L sound is output from the LINE OUT MAIN jacks and PHONES jack properly or not.</p> <ol style="list-style-type: none"> 1) Connect the Level meter to the MAIN jacks or PHONES jack. 2) Set the MASTER VOLUME to the maximum position. 3) Press the [START/STOP] button to produce the C5 sound with the left-most Pan. “--” indicates that the sound is being produced. 4) Check the output level L indicated on the Level meter. No problem if the following conditions are satisfied. [PHONES] (33 Ω load) <ul style="list-style-type: none"> • PHONES L: -1.3\pm2 dBu • PHONES R: -53.0 dBu or less [LINE OUT MAIN] L/L+R, R (10 k Ω load) <ul style="list-style-type: none"> • LINE OUT MAIN L/L+R: +10.3\pm2 dBu • LINE OUT MAIN R: -50.0 dBu or less 5) Press the [START/STOP] button to stop the C5 sound. The LCD screen returns to the test program selection display.
013	Output Sub-1 Check	<p>Checks whether the sound is output from the LINE OUT SUB1 jack properly or not.</p> <ol style="list-style-type: none"> 1) Connect the Level meter to the LINE OUT SUB1 and SUB2 jacks. 2) Set the MASTER VOLUME to the maximum position. 3) Press the [START/STOP] button to produce the C5 sound. “--” indicates that the sound is being produced. If the cable is not plugged into the SUB1 jack properly, “Not Inserted” is shown on the LCD. 4) Check the output level indicated on the Level meter. No problem if the following conditions are satisfied. LINE OUT SUB 1, 2 (10 k Ω load) <ul style="list-style-type: none"> • LINE OUT SUB1: +5.1\pm2 dBu • LINE OUT SUB2: -55.0 dBu or less 5) Press the [START/STOP] button to stop the C5 sound. The LCD screen returns to the test program selection display.

Test No.	Test Program Item (Indication on the LCD)	Instruction (corresponding to Step 4-2)
014	Output Sub-2 Check	<p>Checks whether the sound is output from the LINE OUT SUB2 jack properly or not.</p> <ol style="list-style-type: none"> 1) Connect the Level meter to the LINE OUT SUB1 and SUB2 jacks. 2) Set the MASTER VOLUME to the maximum position. 3) Press the [START/STOP] button to produce the C5 sound. “--” indicates that the sound is being produced. If the cable is not plugged into the SUB2 jack properly, “Not Inserted” is shown on the LCD. 4) Check the output level indicated on the Level meter. No problem if the following conditions are satisfied. LINE OUT SUB 1, 2 (10 k Ω load) <ul style="list-style-type: none"> • LINE OUT SUB1: -55.0 dBu or less • LINE OUT SUB2: +5.1\pm2 dBu 5) Press the [START/STOP] button to stop the C5 sound. The LCD screen returns to the test program selection display.
015	Output Sub-3 Check	<p>Checks whether the sound is output from the LINE OUT SUB3 jack properly or not.</p> <ol style="list-style-type: none"> 1) Connect the Level meter to the LINE OUT SUB3 and SUB4 jacks. 2) Set the MASTER VOLUME to the maximum position. 3) Press the [START/STOP] button to produce the C5 sound. “--” indicates that the sound is being produced. If the cable is not plugged into the SUB3 jack properly, “Not Inserted” is shown on the LCD. 4) Check the output level indicated on the Level meter. No problem if the following conditions are satisfied. LINE OUT SUB 3, 4 (10 k Ω load) <ul style="list-style-type: none"> • LINE OUT SUB3: +5.1\pm2 dBu • LINE OUT SUB4: -55.0 dBu or less 5) Press the [START/STOP] button to stop the C5 sound. The LCD screen returns to the test program selection display.
016	Output Sub-4 Check	<p>Checks whether the sound is output from the LINE OUT SUB4 jack properly or not.</p> <ol style="list-style-type: none"> 1) Connect the Level meter to the LINE OUT SUB3 and SUB4 jacks. 2) Set the MASTER VOLUME to the maximum position. 3) Press the [START/STOP] button to produce the C5 sound. “--” indicates that the sound is being produced. If the cable is not plugged into the SUB4 jack properly, “Not Inserted” is shown on the LCD. 4) Check the output level indicated on the Level meter. No problem if the following conditions are satisfied. LINE OUT SUB 3, 4 (10 k Ω load) <ul style="list-style-type: none"> • LINE OUT SUB3: -55.0 dBu or less • LINE OUT SUB4: +5.1\pm2 dBu 5) Press the [START/STOP] button to stop the C5 sound. The LCD screen returns to the test program selection display.
017	SP MUTE Check	<p>Checks whether the SP MUTE works properly or not.</p> <ol style="list-style-type: none"> 1) Make necessary connections. Install the optional speaker TRS-MS05 to the Tyros5, or connect the powered speaker to the MAIN jacks. 2) Press the [START/STOP] button to produce the C5 sound with the central Pan. “OFF” indicates that the sound is being produced. 3) Use the TAB [◀][▶] buttons to turn on/off the MUTE. “OFF” indicates that the sound is being produced while “ON” indicates that no sound is produced. Also exiting from this test (pressing the [START/STOP] button) will stop the C5 sound. <p>NOTE: In this test, the sound is output from the MAIN jacks and PHONES jacks even if you plug a set of headphones to the PHONES jack.</p>

Test No.	Test Program Item (Indication on the LCD)	Instruction (corresponding to Step 4-2)
018	DAC MUTE1 Check	<p>Checks whether the DAC MUTE for the LINE OUT MAIN jacks work properly or not.</p> <ol style="list-style-type: none"> 1) Connect an external powered speaker to the LINE OUT MAIN jacks. 2) Press the [START/STOP] button to produce the C5 sound with the central Pan. “OFF” indicates that the sound is being produced. 3) Use the TAB [◀ ▶] buttons to turn on/off the MUTE. “OFF” indicates that the sound is being produced while “ON” indicates that no sound is produced. Also exiting from this test (pressing the [START/STOP] button) will stop the C5 sound. <p>NOTE: In this test, the sound is output from the LINE OUT MAIN jacks even if you plug a set of headphones to the PHONES jack.</p>
019	DAC MUTE2 Check	<p>Checks whether the DAC MUTE for the LINE OUT SUB1 - 4 jacks work properly or not.</p> <ol style="list-style-type: none"> 1) Connect an external powered speaker to the LINE OUT SUB1 and SUB3 jacks. 2) Press the [START/STOP] button to produce the C5 sound with the central Pan. “OFF” indicates that the sound is being produced. 3) Use the TAB [◀ ▶] buttons to turn on/off the MUTE. “OFF” indicates that the sound is being produced while “ON” indicates that no sound is produced. Also exiting from this test (pressing the [START/STOP] button) will stop the C5 sound. <p>NOTE: In this test, the sound is output from the LINE OUT SUB jacks even if you plug a set of headphones to the PHONES jack.</p>
020	MUTE Check	<p>Checks whether the MUTE works properly or not.</p> <ol style="list-style-type: none"> 1) Make necessary connections. Connect a set of headphones to the PHONES jack, or connect the Level meter to one of the LINE OUT SUB jacks. 2) Press the [START/STOP] button to produce the C5 sound with the central Pan. “OFF” indicates that the sound is being produced. 3) Use the TAB [◀ ▶] buttons to turn on/off the MUTE. “OFF” indicates that the sound is being produced while “ON” indicates that no sound is produced. Also exiting from this test (pressing the [START/STOP] button) will stop the C5 sound. 4) Check the value indicated on the level meter. No problem if the following conditions are satisfied. [LINE OUT MAIN] SUB1 – 4 • ON: -35 dBu or less • OFF: +5.1dB ± 2 dBu <p>NOTE: In this test, the sound is output from the LINE OUT SUB jacks even if you plug a set of headphones to the PHONES jack.</p>
021	HP Jack Check	<p>Checks whether a set of headphones is plugged into the PHONE jack properly or not.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. The LCD shows that a set of headphones is not connected yet. 2) Plug a set of headphones to the PHONE jack. “Inserted” is shown on the LCD when the connection is successfully. Plug and unplug the cable to call up “Inserted” and “Not Inserted” alternatively.

Test No.	Test Program Item (Indication on the LCD)	Instruction (corresponding to Step 4-2)
022	MIC 1 Check	<p>Checks whether a microphone (with the 1/4" phone plug connector) is plugged into the MIC INPUT jack properly or not.</p> <ol style="list-style-type: none"> 1) Connect the level meter to the MAIN L/L+R and R jacks. 2) Set the MASTER VOLUME to the maximum position. 3) Set the MIC GAIN knob to the maximum position. 4) Press the [START/STOP] button to start the test. 5) Connect an oscillator (with the 1/4" phone plug connector) to the MIC INPUT jack. 6) From the oscillator, input the sine wave (-45dBu, 1kHz) to the MIC INPUT jack. 7) Check the value indicated on the level meter. <p>No problem if the following conditions are satisfied.</p> <p>[LINE OUT MAIN] L/L+R, R (10 k Ω load)</p> <ul style="list-style-type: none"> • LINE OUT MAIN L/L+R: +14.9\pm2 dBu <ol style="list-style-type: none"> 8) Set the MIC GAIN knob to the minimum position. 9) From the oscillator, input the sine wave (-45dBu, 1kHz) to the MIC INPUT jack. 10) Check the value indicated on the level meter. <p>No problem if the following conditions are satisfied.</p> <p>[LINE OUT MAIN] L/L+R, R (10 k Ω load)</p> <ul style="list-style-type: none"> • LINE OUT MAIN L/L+R: -22.6\pm3 dBu
023	MIC 2 Check	<p>Checks whether a microphone (with the XLR plug connector) is plugged into the MIC INPUT jack properly or not.</p> <ol style="list-style-type: none"> 1) Connect the level meter to the MAIN L/L+R and R jacks. 2) Set the MASTER VOLUME to the maximum position. 3) Set the MIC GAIN knob to the maximum position. 4) Press the [START/STOP] button to start the test. 5) Connect an oscillator (with the XLR plug connector) to the MIC INPUT jack. 6) From the oscillator, input the sine wave (-45dBu, 1kHz) to the MIC INPUT jack. 7) Check the value indicated on the level meter. <p>No problem if the following conditions are satisfied.</p> <p>[LINE OUT MAIN] L/L+R, R (10 k Ω load)</p> <ul style="list-style-type: none"> • LINE OUT MAIN L/L+R: +14.9\pm2 dBu <p>NOTE:</p> <ul style="list-style-type: none"> • Short the terminal where no signal is input to GND. • To input a signal into the Hot side (pin No. 2), short the Cold side (pin No. 3) to GND and input a signal between Hot and GND. • To input a signal into the Cold side (pin No. 3), short the Hot side (pin No. 2) to GND and input a signal between Cold and GND.
024	AUX-IN Check	<p>Checks whether the sound is input to the AUX IN jacks properly or not.</p> <ol style="list-style-type: none"> 1) Connect the level meter to the MAIN L/L+R and R jacks. 2) Press the [START/STOP] button to start the test. 3) Connect an oscillator to the AUX IN jacks. <p>"Inserted" is shown on the LCD when an audio cable is plugged into the AUX IN jacks properly.</p> <ol style="list-style-type: none"> 4) Input the sine wave (0dBu, 1kHz) to the AUX IN jacks. 5) Set the MASTER VOLUME to the maximum position. 6) Check the value indicated on the level meter. <p>No problem if the following conditions are satisfied.</p> <p>[LINE OUT MAIN] L/L+R, R (10 k Ω load)</p> <ul style="list-style-type: none"> • LINE OUT MAIN L/L+R: +12.5\pm2 dBu • LINE OUT MAIN R: +12.5\pm2 dBu

Test No.	Test Program Item (Indication on the LCD)	Instruction (corresponding to Step 4-2)
025	SIOF Check	<p>Checks whether each of the two SIOF signal lines (LINE-A and LINE-B) works properly or not. This also checks whether the control port of the audio clock works properly or not.</p> <p>1) Press the [START/STOP] button to start the test. As the Line-A signal, the A3 sound with the left-most Pan is turned on and off alternatively. The on/off status of the A3 sound will be shown on the LCD. “ON” (A3 is sounding) means that the audio clock is on while “OFF” (A3 is muted) means that the audio clock is off.</p> <p>2) Press the TAB [▶] button. As the Line-B signal, the C4 sound with the right-most Pan is turned on and off alternatively. The on/off status of the C4 sound will be shown on the LCD. “ON” (C4 is sounding) means that the audio clock is on while “OFF” (C4 is muted) means that the audio clock is off. You can check the Line-A and Line-B alternatively by using the TAB [◀] [▶] buttons.</p>
026	SW,LED Check	<p>Checks whether each panel button with its LED (if available) works properly or not.</p> <p>1) Press the [START/STOP] button to start the test. The LCD shows you the should-be-pressed button.</p> <p>2) Press the button specified on the LCD one by one. The sound of the note assigned to the pressed button will be produced, and the LED (if available) lights. Regarding what note is assigned, refer to the Panel Button List on page 84.</p> <p>NOTE:</p> <ul style="list-style-type: none"> • Only after the [DEMO] button is tested, you can exit from this test by pressing the [DEMO] button. • If the wrong button is pressed, "NG [pressed button name] On" is shown on the LCD. • If two or more buttons are pressed simultaneously, "Over Two Sw" is shown on the LCD. <p>3) After all the buttons are completed and "Dial DOWN 50" appears on the LCD, check the dial. Rotate the dial counter-clockwise until "Dial UP xx" appears, then rotate the dial clockwise until "End" appears.</p>
027	All LED On Check	<p>Checks whether all the LED lamps light properly or not.</p> <p>1) Press the [START/STOP] button to start the test. All the LED lamps are turned on, and "--" is shown on the LCD.</p>
028	Red LED On Check	<p>Checks whether all the red LED lamps light properly or not.</p> <p>1) Press the [START/STOP] button to start the test. All the red LED lamps are turned on.</p>
029	Green LED On Check	<p>Checks whether all the green LED lamps light properly or not.</p> <p>1) Press the [START/STOP] button to start the test. All the green LED lamps are turned on.</p>
030	Other LED On Check	<p>Checks whether the other-colored LED lamps light properly or not.</p> <p>1) Press the [START/STOP] button to start the test. This operation will turn on all the LED lamps with the color other than red and green.</p>
031	All LCD On Check	<p>Checks whether all the LCD dots are turned on (black) properly or not.</p> <p>1) Press the [START/STOP] button to start the test. Check that all the dots of the LCD are turned on (black).</p>
032	All LCD Off Check	<p>Checks whether all the LCD dots are turned off (white) properly or not.</p> <p>1) Press the [START/STOP] button to start the test. Check that all the dots of the LCD are turned off (white).</p>

Test No.	Test Program Item (Indication on the LCD)	Instruction (corresponding to Step 4-2)
033	LCD Pattern Check	<p>Checks whether the color pattern of the LCD is shown properly or not.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. 2) Use the TAB [◀][▶] buttons to call up the color patterns. Check whether the following patterns are shown on the LCD properly or not. <ul style="list-style-type: none"> • RGB • Rainbow • Flicker Noise (horizontal) • Flicker Noise (vertical)
034	LCD Backlight Off Check	<p>Checks whether the LCD backlight is turned on/off properly or not.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. 2) Use the TAB [◀][▶] buttons to turn on/off the LCD Backlight.
035	Emergency Circuit Check	<p>Checks whether the Emergency Detection Circuit works properly or not.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. If no problem is found, the A3 sound will be produced with the central Pan. If the Emergency Detection Circuit is not recognized, “NG” is shown on the LCD. 2) Use the TAB [◀][▶] buttons to turn on/off the Emergency Detection Circuit. The ON setting will mute the A3 sound while the OFF setting will produce the A3 sound.
036	Main Volume Check	<p>Checks whether the maximum and minimum value of the main volume are correct or not.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. The message on the LCD requires you the minimum volume setting. 2) Rotate the MASTER VOLUME to the minimum position (value: 0). The message on the LCD requires you the maximum volume setting. 3) Rotate the MASTER VOLUME to the maximum position (value: 255). If no problem is found, “OK” is shown on the LCD.
037	Pitch Bend Wheel Check	<p>Checks whether the Pitch Bend Wheel works properly or not.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. If the Pitch Bend wheel is not in the center position, “NG” appears on the LCD. 2) Roll the Pitch Bend wheel upward to the maximum position (value: 255) to produce the G3 sound for a second. 3) Roll the Pitch Bend wheel downward to the minimum position (value: 0) to produce the C3 sound for a second. 4) Release the Pitch Bend wheel to the center position (value: 130) to produce the C4 sound for a second.
038	Modulation Wheel Check	<p>Checks whether the Modulation Wheel works properly or not.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. 2) Roll the Modulation wheel upward to the maximum position (value: 255) to produce the G3 sound for a second. 3) Roll the Modulation wheel downward to the minimum position (value: 0) to produce the C4 sound for a second.
039	Slider Check	<p>Checks whether each of the ten sliders works properly or not.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. “CROSS FADER” is shown on the LCD. 2) Move the Cross Fader (located between the SONG buttons and the AUDIO RECORDER buttons) to the leftmost then to the rightmost. If no problem is found, “ASSIGN” is shown the LCD. 3) Move the [ASSIGN] fader to the bottom then to the top. If no problem is found, “S1” is shown on the LCD. 4) Move the [1] slider (located at leftmost among eight sliders below the LCD) to the bottom then to the top. If no problem is found, “S2” is shown on the LCD. 5) In the same way, move the slider from [2]-[8] in order by following the on-screen instructions. If no problem is found after moving the [8] slider, “OK” is shown on the LCD.

Test No.	Test Program Item (Indication on the LCD)	Instruction (corresponding to Step 4-2)
040	Pedal 1 Check	<p>Checks whether the Foot Pedal plugged into the SUSTAIN jack works properly or not.</p> <ol style="list-style-type: none"> 1) Connect the Foot Controller (FC7 or equivalent) to the SUSTAIN jack. 2) Press the [START/STOP] button to start the test. If "No Pedal" appears on the LCD, confirm whether the connection is proper or not. 3) Press the Foot Controller to the minimum position to produce the C3 sound for a second. 4) Return the Foot Controller to the maximum position to produce the G3 sound for a second. 5) Disconnect the Foot Controller from the SUSTAIN jack. If no problem is found, "OK" is shown on the LCD and the C4 sound is produced for a second.
041	Pedal 2 Check	<p>Checks whether the Foot Pedal plugged into the ART.1 jack works properly or not.</p> <ol style="list-style-type: none"> 1) Connect the Foot Controller (FC7 or equivalent) to the ART.1 jack. 2) Press the [START/STOP] button to start the test. If "No Pedal" appears on the LCD, confirm whether the connection is proper or not. 3) Press the Foot Controller to the minimum position to produce the C3 sound for a second. 4) Return the Foot Controller to the maximum position to produce the G3 sound for a second. 5) Disconnect the Foot Controller from the ART.1 jack. If no problem is found, "OK" is shown on the LCD and the C4 sound is produced for a second.
042	Pedal 3 Check	<p>Checks whether the Foot Pedal plugged into the VOLUME jack works properly or not.</p> <ol style="list-style-type: none"> 1) Connect the Foot Controller (FC7 or equivalent) to the VOLUME jack. 2) Press the [START/STOP] button to start the test. If "No Pedal" appears on the LCD, confirm whether the connection is proper or not. 3) Press the Foot Controller to the minimum position to produce the C3 sound for a second. 4) Return the Foot Controller to the maximum position to produce the G3 sound for a second. 5) Disconnect the Foot Controller from the VOLUME jack. If no problem is found, "OK" is shown on the LCD and the C4 sound is produced for a second.
043	MIDI Check	<p>Checks whether the MIDI terminals work properly or not.</p> <ol style="list-style-type: none"> 1) Make connections. Connect the single MIDI cable to the MIDI A IN and OUT terminals, then connect the other MIDI cable to the MIDI B IN and OUT terminals. 2) Press the [START/STOP] button to start the test. First, the MIDI A terminals are checked. If no problem is found, the C3 sound is produced for a second, and "OK" is shown on the LCD. Second, the MIDI B terminals are checked. If no problem is found, the C4 sound is produced for a second, and "OK" is shown on the LCD. If any problem is found, "NG" is shown on the LCD. 3) Disconnect the MIDI cables from the terminals, then exit from this test.
044	Sub Out Check	<p>Checks whether the LINE OUT SUB1 - 4 jacks work properly or not.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. 2) Plug the monaural cable to the SUB1 jack. The C3 sound is produced for a second, indicating that the cable is plugged into the SUB1 jack properly. 3) Unplug the monaural cable from the SUB1 jack. The C4 sound is produced for a second, indicating that the cable is unplugged from the SUB1 jack properly. 4) For the SUB2 - 4 jacks, make the same operations as in Steps 2 - 3. If no problem is found for all the jacks, "OK" is shown in the LCD.

Test No.	Test Program Item (Indication on the LCD)	Instruction (corresponding to Step 4-2)
045	RGB Check	Checks whether the RGB OUT terminal outputs the RGB color pattern properly or not. 1) Connect the color CRT monitor to the RGB OUT terminal. 2) Press the [START/STOP] button. Confirm the color pattern with red, green, and blue.
046	USB to Device/Host Check	Checks whether the USB TO DEVICE and USB TO HOST terminals work properly or not. 1) Press the [START/STOP] button. 2) Connect the USB cable to the USB TO HOST and USB TO DEVICE terminals on the rear panel. If no problem is found, the LCD prompts you to check the USB TO DEVICE terminal on the front panel. 3) Disconnect the USB cable from the USB TO DEVICE terminal on the rear panel, then connect the USB cable to the USB TO DEVICE terminal on the front panel. If no problem is found, "OK" is shown on the LCD and the C4 sound is produced for a second. 4) Disconnect the USB cable from the terminals, then exit from this test.
047	USB Storage Device Check	Checks whether or not this instrument can access the USB memory device connected to the USB TO DEVICE terminal. 1) Press the [START/STOP] button. 2) Connect the USB memory device to the USB TO DEVICE terminal on the rear panel. If no problem is found, "OK" is shown on the LCD. 3) Connect the USB memory device to the USB TO DEVICE terminal on the front panel. If no problem is found, "OK" is shown on the LCD.
048	Internal HDD Check	Checks whether or not this instrument can access the internal HDD drive. 1) Press the [START/STOP] button. If no problem is found, "OK" is shown on the LCD. NOTE: • Before starting this test, make sure to disconnect the USB devices from all the USB terminals. • Make sure to use the HDD drive which has been formatted via the TYROS5.
049	Keyboard Type Check	Checks whether this instrument can recognize the keyboard type (61 keys or 76 keys) correctly or not. 1) Press the [START/STOP] button. If the target instrument is the TYROS5-61, "OK (FSX 61)" should be shown on the LCD. If the target instrument is the TYROS5-76, "OK (FSX 76)" should be shown on the LCD.
050	Touch Check	Checks whether the touch response (initial touch and after touch) of the keyboard works properly or not. 1) Press the [START/STOP] button. 2) Press a key then apply additional pressure to the pressed key. When the Aftertouch maximum value (127) is recognized, the C3 sound is produced for a second. 3) Release the pressed key. The C4 sound is produced for a second, indicating that the minimum Aftertouch value (0) is recognized, then "OK" is shown on the LCD.
051	Exp. Module Check	Only for the factory inspection.

Test No.	Test Program Item (Indication on the LCD)	Instruction (corresponding to Step 4-2)
052	ROM Check2	<p>Executes the complete check of the ROM (except for the NAND flash memory). NOTE: This test requires approximately 15 seconds and cannot be aborted once started.</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>The Read test (checksum test) for the Program area and Data area is executed.If no problem is found, “OK” is shown on the LCD.If any problem is found, this test stops at that timing, then “NG” is shown on the LCD with the ROM name and IC number which has a problem.</p> <ul style="list-style-type: none"> • If the MAIN PROG ROM (DM:IC114) are NG: “MAIN PROG ROM (IC114) NG” • If the MAIN DATA ROM (DM:IC118) are NG: “MAIN DATA ROM (IC118) NG” • If the SSP PROG ROM (DM:IC907) are NG: “SSP ROM (IC907) NG”
053	RAM Check2	<p>Executes the complete check of the RAM.</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>The Read/Write test for the RAM (connection test) is executed.If no problem is found, “OK” is shown on the LCD.If any problem is found, this test stops at that timing, then “NG” is shown on the LCD with the RAM name and IC number which has a problem.</p> <ul style="list-style-type: none"> • If the MAIN SDRAM (DM:IC306-309,IC310) are NG: “MAIN SDRAM (IC306-309,IC310) NG” • If the SSP SRAM (DM:IC906) are NG: “SSP SRAM (IC906) NG”
054	Backup ROM Check2	<p>Executes the complete check of the Backup Flash ROM.</p> <p>NOTE: This test requires approximately 4 minutes and cannot be aborted once started.</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>The Read/Write test for all the blocks of the Backup Flash ROM is executed.If no problem is found, “OK” is shown on the LCD.If any problem is found, this test stops at that timing, then “NG” is shown on the LCD with the ROM name and IC number which has a problem.</p> <p>NOTE:</p> <ul style="list-style-type: none"> • The test program cannot be aborted until “OK” or “NG” is shown on the LCD. • Never turn off the power during the test is being executed because the original data will be restored after the test is completed. <ul style="list-style-type: none"> • If the BACKUP (DM:IC123) are NG: “BACKUP (IC123) NG”
055	Wave ROM Check2	<p>Executes the complete check of the Wave ROM.</p> <p>NOTE: This test requires approximately 15 minutes and cannot be aborted once started.</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>The Read test (full address test) for the Wave ROM is executed. Because the Wave ROM is shared by both the TG1 (Master) and TG2 (Slave),this test is executed from both sides.If no problem is found, “OK” is shown on the LCD.If any problem is found, this test stops at that timing, then “NG” is shown on the LCD with the ROM name and IC number which has a problem.</p> <ul style="list-style-type: none"> • If the Wave (DM:IC702-704,IC716-718) are NG: “Wave (IC702-704,IC716-718) NG”
056	Effect RAM Check2	<p>Executes the complete check of the Effect RAM.</p> <p>NOTE: This test requires approximately 1 minutes and cannot be aborted once started.</p> <p>1) Press the [START/STOP] button to start the test.</p> <p>The DSP RAM connected to the tone generator LSI is checked.</p> <p>If no problem is found, “OK” is shown on the LCD.</p> <p>If any problem is found, this test stops at that timing, then “NG” is shown on the LCD with the ROM name and IC number which has aproblem. “TG1” and “TG2” indicate the SWP51 master and SWP51 slave respectively.</p> <ul style="list-style-type: none"> • If the TG1 (DM:IC219) are NG: “TG1 (IC219) NG” • If the TG2 (DM:IC220) are NG: “TG2 (IC220) NG”

Test No.	Test Program Item (Indication on the LCD)	Instruction (corresponding to Step 4-2)
057	Panel PCB Check 1	Only for the factory inspection.
058	Panel PCB Check 2	Only for the factory inspection.
059	Panel PCB Check 3	Only for the factory inspection.
060	Panel PCB Check 4	Only for the factory inspection.
061	Factory Set	Resets the Flash ROM to the initial factory status. 1) Press the [START/STOP] button to start the test. After a while, “OK” is shown on the LCD indicating that the test is completed. NOTE: The actual Factory Set has not been executed yet at this timing, but will be executed next time the power is turned on. When the power is turned on next time, never turn off the power until the Main display appears. Doing so may cause a malfunction.
062	Erp Check	Checks whether the Erp (Energy related products) function works properly or not. 1) Press the [START/STOP] button to start the test. If no problem is found, the power is turned off automatically after a while.If the Erp function is not available, “No Function” is shown on the LCD.If the power is not turned off automatically, “NG” is found on the LCD. 2) Turn on the power manually. Confirm that the Tyros 5 is launched properly.
063	Test Exit	Lets you exit from the Test mode to the normal mode. 1) Press the [START/STOP] button. The Test Program mode will end, then the Tyros 5 will be restarted. NOTE:Never turn off the power until the Main display appears. Doing so may cause a malfunction.

■ INITIAL SETTING

Setting at the time of factory shipping.

- MASTER VOLUME: MIN
- MIC GAIN: MIN
- MODURATION WHEEL: MIN (Lower side)
- SLIDER VOLUME (Portrait orientation): MAX (Upper side)
- CLOSS FADER (Landscape orientation): CENTER

• Switch Test and lighting LED Sequence

Turn	SW Name / Display	Note Number	LED	Turn	SW Name / Display	Note Number	LED	Turn	SW Name / Display	Note Number	LED
1	VOCAL HARMONY	C2	G	57	MULTI PAD 2	G#2	R/O	113	INITIAL TOUCH	E3	G
2	VOCAL EFFECT	C#2	G	58	MULTI PAD 3	A2	R/O	114	SUSTAIN	F3	G
3	TALK	D2	G	59	MULTI PAD 4	A#2	R/O	115	MONO	F#3	G
4	VH TYPE SELECT	D#2		60	MULTI PAD STOP	B2		116	DSP	G3	G
5	MIC SETTING	E2	G/R	61	CHANNEL ON/OFF	C3		117	VARIATION	G#3	G
6	FADE IN/OUT	F2	G	62	INTRO I	C#3	R/O	118	PIANO	A3	G
7	UPPER OCTAVE -	F#2		63	INTRO II	D3	R/O	119	E.PIANO	A#3	G
8	UPPER OCTAVE +	G2		64	INTRO III	D#3	R/O	120	ORGAN	B3	G
9	ART.1	G#2	R/O	65	MAIN A	E3	R/O	121	STRINGS	C4	G
10	ART.2	A2	R/O	66	MAIN B	F3	R/O	122	CHOIR	C#4	G
11	SONG REC	A#2	R	67	MAIN C	F#3	R/O	123	BRASS	D4	G
12	SONG STOP	B2		68	MAIN D	G3	R/O	124	WOODWIND	D#4	G
13	SONG PLAY/PAUSE	C3	G/R	69	BREAK	G#3	R/O	125	A.GUITAR	E4	G
14	SONG REW	C#3		70	ENDING/rit. I	A3	R/O	126	E.GUITAR	F4	G
15	SONG FF	D3		71	ENDING/rit. II	A#3	R/O	127	BASS	F#4	G
16	AUDIO REC	D#3	R	72	ENDING/rit. III	B3	R/O	128	PERCUSSION	G4	G
17	AUDIO STOP	E3	G	73	SYNC STOP	C4	R	129	DRUM KIT	G#4	G
18	AUDIO PLAY/STOP	F3	G	74	SYNC START	C#4	R	130	ACCORDION	A4	G
19	AUDIO PREV	F#3		75	START/STOP	D4	R/O	131	PAD	A#4	G
20	AUDIO NEXT	G3		76	BALANCE	D#4		132	SYNTH	B4	G
21	AUDIO MODE	G#3		77	A	E4		133	ORGAN WORLD	C5	G
22	SONG I	A3	G	78	B	F4		134	ENSEMBLE	C#5	G
23	SONG II	A#3	G	79	C	F#4		135	EXPANSION/USER	D5	G
24	SONG III	B3	G	80	D	G4		136	REGIST BANK -	D#5	
25	SONG IV	C4	G	81	E	G#4		137	REGIST BANK +	E5	
26	SP1	C#4	G/R	82	DIRECT ACCESS	A4		138	FREEZE	F5	R
27	SP2	D4	G/R	83	TAB <	A#4		139	MEMORY	F#5	
28	SP3	D#4	G/R	84	TAB >	B4		140	OTS 1	G5	R/O
29	SP4	E4	G/R	85	F	C5		141	OTS 2	G#5	R/O
30	LOOP	F4	G	86	G	C#5		142	OTS 3	A5	R/O
31	METRONOME	F#4	R	87	H	D5		143	OTS 4	A#5	R/O
32	SCORE	G4		88	I	D#5		144	PART SELECT LEFT	B5	O
33	LYRICS/TEXT	G#4		89	J	E5		145	PART SELECT RIGHT1	C2	O
34	STYLE POP & ROCK	A4	G	90	EXIT	F5		146	PART SELECT RIGHT2	C#2	O
35	STYLE BALLAD	A#4	G	91	1-U	F#5		147	PART SELECT RIGHT3	D2	O
36	STYLE DANCE	B4	G	92	2-U	G5		148	REGIST. MEMORY 1	D#2	R/O
37	STYLE SWING & JAZZ	C5	G	93	3-U	G#5		149	REGIST. MEMORY 2	E2	R/O
38	STYLE R & B	C#5	G	94	4-U	A5		150	REGIST. MEMORY 3	F2	R/O
39	STYLE COUNTRY	D5	G	95	5-U	A#5		151	REGIST. MEMORY 4	F#2	R/O
40	STYLE LATIN	D#5	G	96	6-U	B5		152	REGIST. MEMORY 5	G2	R/O
41	STYLE BALLROOM	E5	G	97	7-U	C2		153	REGIST. MEMORY 6	G#2	R/O
42	STYLE MOVIE & SHOW	F5	G	98	8-U	C#2		154	REGIST. MEMORY 7	A2	R/O
43	STYLE ENTERTAINER	F#5	G	99	1-L	D2		155	REGIST. MEMORY 8	A#2	R/O
44	STYLE WORLD	G5	G	100	2-L	D#2		156	PART ON/OFF LEFT HOLD	B2	G
45	STYLE FILE ACCESS	G#5	G	101	3-L	E2		157	PART ON/OFF LEFT	C3	R
46	TRANSPOSE -	A5		102	4-L	F2		158	PART ON/OFF RIGHT1	C#3	R
47	TRANSPOSE +	A#5		103	5-L	F#2		159	PART ON/OFF RIGHT2	D3	R
48	MIXING CONSOLE	B5		104	6-L	G2		160	PART ON/OFF RIGHT3	D#3	R
49	ACMP	C2	R	105	7-L	G#2					
50	OTS LINK	C#2	R	106	8-L	A2					
51	AUTO FILL IN	D2	R	107	ENTER	A#2					
52	TAP TEMPO	D#2		108	FUNCTION	B2					
53	TEMPO -	E2		109	CREATOR	C3					
54	TEMPO +	F2		110	MUSIC FINDER	C#3	W				
55	MULTI PAD SELECT	F#2		111	DEMO	D3					
56	MULTI PAD 1	G2	R/O	112	HARMONY/ECHO	D#3	G				

LED...[G],Green, [R],Red, [O],Others, [W], White

■ FLASH MEMORY EXPANSION MODULE CHECK

1. Install the flash memory expansion module to the Tyros5 when the Tyros5's power is turned off. (See page 25.)
2. While holding down the [F] button and [J] button, turn on the power switch.
3. The device information indication mode will be started and the following screen will be shown.

```

=====
                        Device Information
=====

[ A ] : USB Storage

[ B ] : Expansion Module

[ C ] : Internal HDD

Press [EXIT] to quit.

```

4. Press the [B] button to go to the expansion module information indication screen.

```

=====
                        Expansion Module Information
=====

Capacity       : 512 or 1024 [MB]
System Version : 1.00
Instrument      : Tyros5

Test Result    : --

Press [START] to R/W(verify) test.
Press [BREAK] to read test.

Press [DEMO] to write test data.
Press [EXIT] to quit.

```

5. Press the [START/STOP] button to start Read/Write check.

```

=====
                        Expansion Module Information
=====

Capacity       : 512 [MB]
System Version : 1.00
Instrument      : Tyros5

Now Executing.. 20%

Do not turn off the power.

```

6. When the Read/Write check is completed successfully, "OK" will be shown in the R/W result field.
"NG" will be shown if an error is detected.

```

=====
                        Expansion Module Information
=====

Capacity       : 512 [MB]
System Version : 1.00
Instrument      : Tyros5

R/W result     : OK(verify)

Press [START] to R/W(verify) test.
Press [BREAK] to read test.

Press [DEMO] to write test data.
Press [EXIT] to quit.

```

In case of OK

```

=====
                        Expansion Module Information
=====

Capacity       : 512 [MB]
System Version : 1.00
Instrument      : Tyros5

Test Result    : NG (ICxxx/ICxxx)

Press [START] to R/W(verify) test.
Press [BREAK] to read test.

Press [DEMO] to write test data.
Press [EXIT] to quit.

```

In case of NG
xxx: IC (WaveH/L) number

■ FORMATTING HDD

1. While holding down the [F] button and [J] button, turn on the power switch.
2. The device information indication mode will be started and the following screen will be shown.

```

=====
                        Device Information
=====

[ A ] : USB Storage

[ B ] : Expansion Module

[ C ] : Internal HDD

Press [EXIT] to quit.

```

3. Press the [C] button to go to the internal HDD information indication screen. If unformatted, “UNFORMAT DISK” will be shown.

```

=====
                        Internal HDD Information
=====

UNFORMAT DISK

Press [DEMO] to format.
Press [EXIT] to quit.

```

Even for an internal HDD formatted on another Tyros5 information will be displayed, but the “Volume Name” will be empty or another name than “_TYROS5HDD_” will be indicated.

```

=====
                        Internal HDD Information
=====

Vender ID   : I-O DATA
Product ID  : HDPN-U
Revision    : *.*
Capacity    : 465.70 [GB]
Serial ID   : Exist
Volume Name : 
R/W test    :

Press [START/STOP] to test.
Press [DEMO] to format.
Press [EXIT] to quit.

```

4. Press the [DEMO] button to execute formatting. “Formatting...” will be indicated during formatting procedure.

5. Information of the internal HDD will be shown when the formatting is completed. The formatting is executed normally if “_TYROS5HDD_” is shown in the “Volume Name” field. (If an error occurs, only error message will be indicated. Refer to the error message list at the end of this section.)

```

=====
                        Internal HDD Information
=====

Vender ID   : I-O DATA
Product ID  : HDPN-U
Revision    : *.*
Capacity    : 465.70 [GB]
Serial ID   : Exist
Volume Name : _TYROS5HDD_
R/W test    :

Press [START/STOP] to test.
Press [DEMO] to format.
Press [EXIT] to quit.

```

(Example)

6. Press the [START/STOP] button to start Read/Write test. A countdown indication from 10 to 1 will appear in the R/W test field as the checking is executed. Countdown indication from 10 to 1 will appear three times as three types of checking is executed.
7. When the Read/Write test is completed successfully, “OK” will be shown in the R/W test field. “NG” will be shown if an error is detected.

```

=====
                        Internal HDD Information
=====

Vender ID   : I-O DATA
Product ID  : HDPN-U
Revision    : *.*
Capacity    : 465.70 [GB]
Serial ID   : Exist
Volume Name : _TYROS5HDD_
R/W test    : OK

Press [START/STOP] to test.
Press [DEMO] to format.
Press [EXIT] to quit.

```

(Example)

8. When the “OK” is displayed in the Read/Write test, the checking is finished. Turn off the power switch.

• Error messages list

- Unformatted “UNFORMAT DISK”
- Device error “DEVICE ERROR”
- HDD unrecognized “NO DEVICE”

SYSTEM RESET

The SYSTEM RESET of this product can be performed by the following two operations:

1. Turning on the power switch while pressing a specified key, or
2. Operation on the UTILITY screen on the display.

● When turning on the power switch while pressing a specified key

1 System Backup Clear

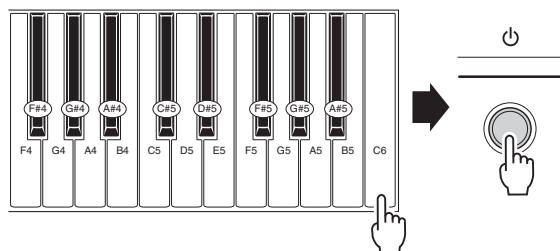
Turn on the power while pressing the highest key.

This resets the backed-up system data to start.

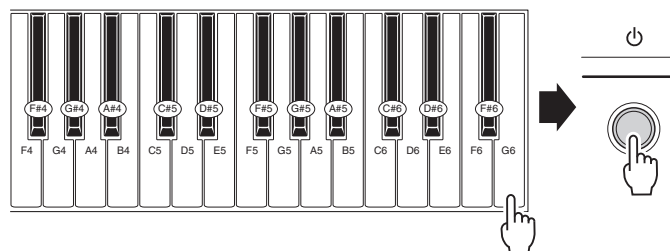
The Language, Owner Name, and Main Picture data are not initialized.

'Initializing system setup' appears on the start-up screen.

• Tyros5-61



• Tyros5-76



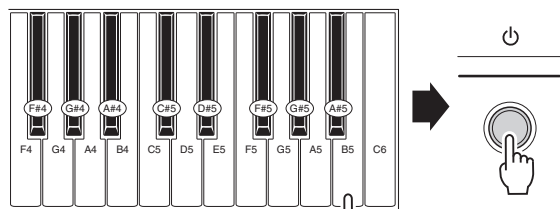
2 Regist Backup Clear

Turn on the power while pressing the key next to the highest key.

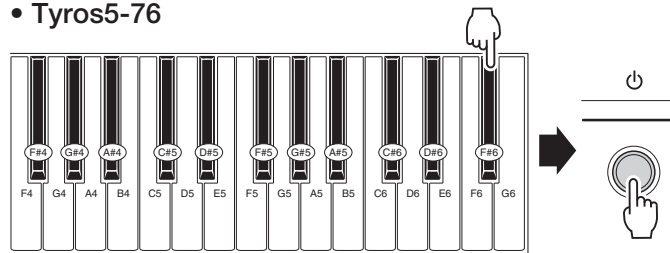
This resets the backed-up regist data to start.

'Initializing regist setup' appears on the start-up screen.

• Tyros5-61



• Tyros5-76



3 Factory Setup

Turn on the power while pressing F#5, G5, and A#5.

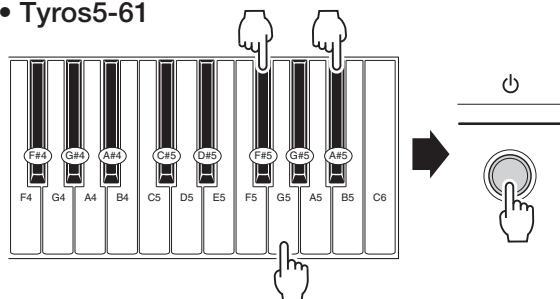
This is the same function as the Factory Set in the test mode.

NOTE: All User Drive data are deleted (except those stored in the external USB memory or the internal HDD).

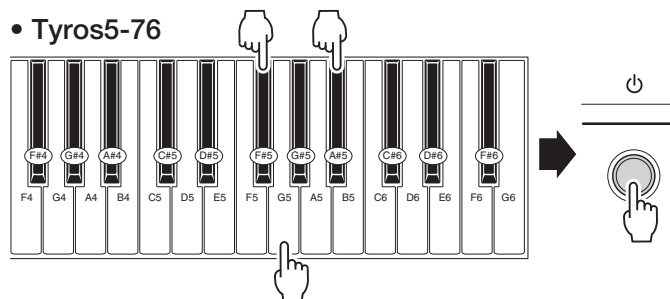
Make sure to back up User Data in the external USB memory advance.

It is displayed in the startup screen in order to 'Force Format Mode' → 'Initializing regist setup' → 'Initializing system setup'.

• Tyros5-61

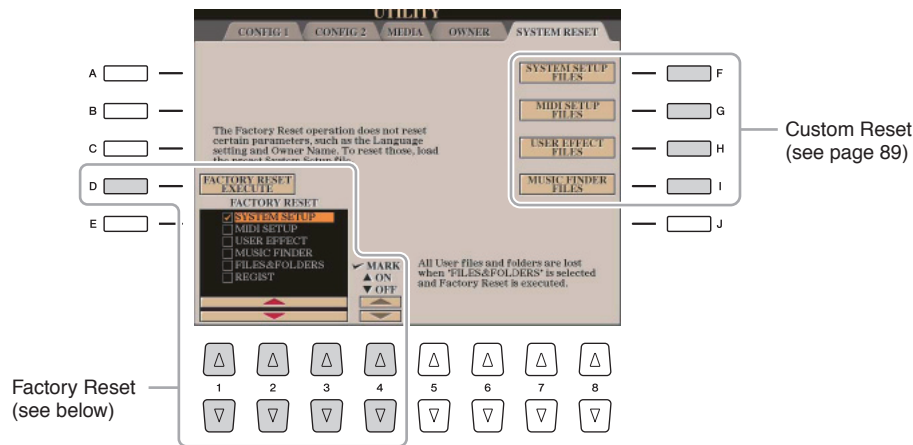


• Tyros5-76



● Operation on the UTILITY screen on the display

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 Tyros5 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 compressor types created via the Mixing Console display, as well as the user vocal harmony types and user microphone setting memories 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 power on while holding the B5 key (right-most B key on the keyboard).

- 3 Press the [D] (FACTORY RESET EXECUTE) 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 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 compressor types created via the Mixing Console display, as well as the user vocal harmony types and user microphone setting memories 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.

When the file is selected, a message is displayed according to the content of the file. Press the desired button.

■ OS UPDATE

⚠ CAUTIONS

- While updating the program software, do not turn off the power or do not pull out the USB memory.

1 Preparation

Download the Tyros5 updated program from the download page on the YSISS home page to the USB memory.

(YSISS URL>><http://plaza.yamaha.co.jp/ysiss/exindex.nsf>)

(Insert the USB memory containing only the update program into the USB terminal of the Tyros5.)

Tools required for update:

USB memory

(containing only the update program to be installed)

The program software in the USB memory

• Install data:

TYROSSSETUP.PRG

2 Executing the software update

2-1 Connect the USB memory to the Tyros5.

Connect the USB memory containing only the update program data to the [USB TO DEVICE] terminal on the front panel.

CAUTIONS: Make sure of the direction of the USB memory before inserting it.

(The reverse insertion may cause the damage on the [USB TO DEVICE] terminal.)

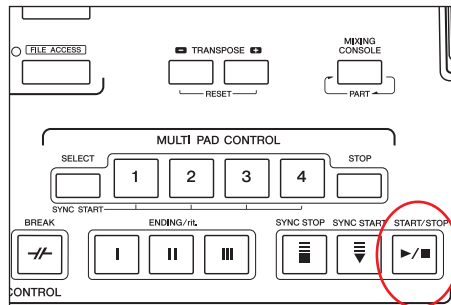
Do not turn off the power during the program update.

Do not remove the USB memory from the [USB TO DEVICE] terminal until the update has been completed.

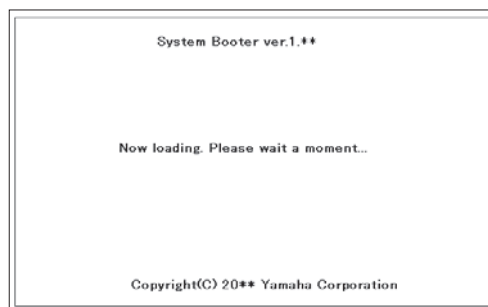


2-2 Installing the update program

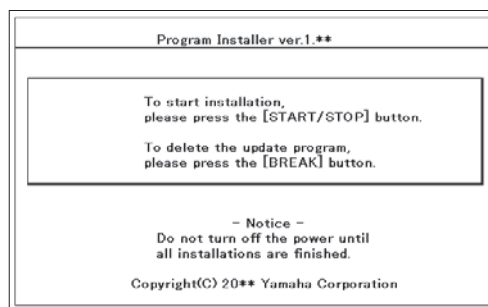
2-2-1 Turn the power on with the [START/STOP] button pressed and held.



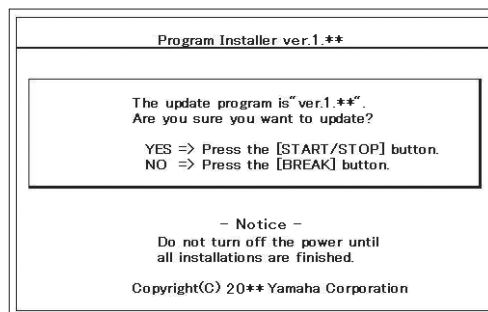
2-2-2 Keep pressing the [START/STOP] button until the following screen is displayed on the LCD.



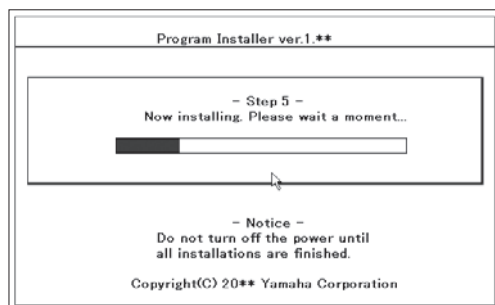
2-2-3 After a while, the following screen is displayed. (Occasionally, it might take more time.)



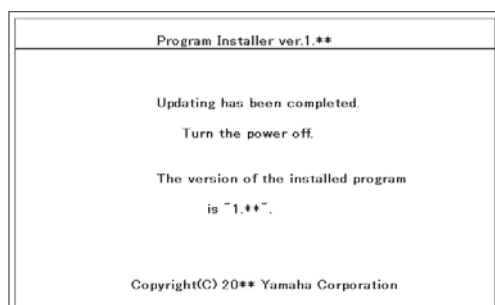
2-2-4 Press the [START/STOP] button to display the following screen.



- 2-2-5 Press the [START/STOP] button again to start the installation.
(It will take more time.)



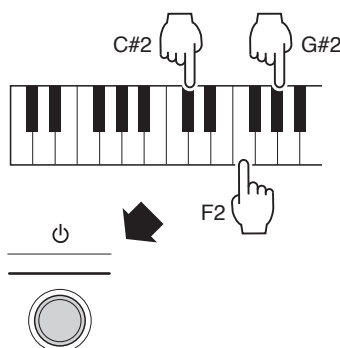
- 2-2-6 When the installations are finished, the following screen is displayed on the LCD.



- 2-2-7 Turn the power off.

3 Verifying the program version

- 3-1 Turn the power on with the [C#2], [F2] and [G#2] keys (C#2 major chord) pressed and held.



- 3-2 “TEST” display appears, and the test mode starts.
3-3 Press the [TEMPO+] button or turn the [DATA ENTRY] dial clockwise to display “001: Version”.
3-4 Press the [START/STOP] button to display the version of each data.
3-5 Confirm that the version of the main program is the same as the version installed this time.
3-6 Press the [START/STOP] button again to return to the wait state for test number.

4 Executing the factory set

- 4-1 Press the [TEMPO-] button or turn the [DATA ENTRY] dial counterclockwise to display “061:Factory Set”.
4-2 Press the [START/STOP] button to execute the factory set.
4-3 “Factory Set OK” appears on the LCD.
4-4 Press the [START/STOP] button again to return to the wait state for test number.
4-5 Press the [TEMPO+] button or turn the [DATA ENTRY] dial clockwise to display “063:Test Exit”.
4-6 Press the [START/STOP] button to reboot the Tyros4.
4-7 When the main screen appears normally, the factory set is completed. (Occasionally, it might take a few minutes.)
CAUTION: Do not turn the power off before the main screen shows up.
4-8 Turn the power off.

5 Ending the program installation

The program installation is completed here.

● TROUBLESHOOTING

Q1. Power has been turned off or the USB memory has been removed during operation.

- A1.** It is necessary to re-installation the program. Perform the installation procedure from initial step.

Q2. An error message appears on the screen and installation can not be performed.

A2. Check the following points.

- Is the USB memory is inserted properly?
- Is not there any dirt on the USB memory terminal?
- Does the USB memory contain the whole renewal data (program) in the root directory?
- Is not any damage of the data (program) in the USB memory or the USB memory itself?
- Is the renewal data (program) matched with the model?
- Perform reinstallation using another USB memory.

DATA BACKUP

You can back up all data saved in USER drive (except Protected Songs and Expansion Voices/Styles) and all settings to a USB flash memory as a single file. This procedure is recommended for data security and backup in case of damage.

- 1 Connect the USB flash memory to the [USB TO DEVICE] terminal as backup destination.

- 2 Call up the operation display.



[FUNCTION] → [H] UTILITY → TAB [◀] [▶] OWNER

- 3 Press the [C] (BACKUP) button to save the backup file to the USB storage device.

- 4 Follow the on-display instructions.

⚠ CAUTION

Move the Protected Songs (saved to the USER drive) to USB flash memory before restoring. If the songs are not moved, the operation deletes the data.

NOTE

You can also back up files in the USER drive such as Voice, Song, Style, Multi Pad and Registration Memory by copying them individually to USB flash memory as desired.

NOTE

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

NOTE

You can also back up System settings, MIDI settings, User Effect settings, and Music Finder Records individually as desired. Call up the operation display:

[FUNCTION] → [H] UTILITY → TAB [◀] [▶] SYSTEM RESET. For more information, refer to the Reference Manual on the website.

■ DISPLAY MESSAGES

[BOOT LOADER]

Displayed message	Meaning	Progress/status
Now loading. Please wait a moment...	Data is being loaded. Wait a while.	The installer file is being loaded.
Media error!	Media error!	Installer file loading error (media error) Failed in loading the installer file Part of the media is damaged (I/O error)
Installer program checksum error!	Installer checksum error!	Installer file loading error (checksum error) Checksum in the installer file disagrees. File damaged Tampered
Please eject the media.	Remove the media.	When an error occurs
Please insert the Installer media.	Install the installation media.	A media containing the installer is not connected when the booter is started.
Installer program not found!	No installer found.	When the installation file is undetected The installer file corresponding to the instrument is not found
Installer program data error!	Installation program error!	The installer is defective File damaged Tampered Version mismatch
Installer program data mismatch!	Installation updater error!	When the installer is mismatched Loading of an installer for a different model has been attempted Loading of an installer for a version which cannot be updated has been attempted
Program error!	Program error!	Starting is disabled because the main program has not been detected The instrument program has not been installed
Please install the program.	Install the program.	same as above
Error! Unformatted or incompatible data.	Unformatted or unsupported error!	The installer cannot be loaded from the media The media is not formatted in any one format of FAT12, FAT16 or FAT32 Unformatted System area in the media is damaged

[INSTALLER]

Displayed message	Meaning	Progress/status
Now preparing. Please wait a moment...	Drive is being prepared. Wait a while.	When the installer is started.
Now checking. Please wait a moment...	Data is being checked. Wait a while.	Data is being loaded
Now installing. Please wait a moment...	During installing. Wait a while.	During installation of data
Now deleting. Please wait a moment...	Data is being deleted. Wait a while.	During data deletion
E001 Install data read error!	Data loading error!	When an error occurs (Installation data error)
E002 Install data checksum error!	Data checksum error!	
E003 Install data address error!	Data address error!	
E004 Flash ID error!	Flash ROM ID error!	
E005 Flash erase error!	Flash ROM deletion error!	
E006 Flash write error!	Flash ROM writing error!	
E007 Flash verify error!	Flash ROM verify error!	
E008 Flash checksum error!	Flash ROM checksum error!	
E009 Install data ID error!	Data ID error!	The installation data is not intended for this model.
E010 Cannot downgrade!	Data version error!	Cannot return the program to the old version.
E011 Install data does not exist.	Upgrading data not found.	Data not contained in the media
E012 Can't delete the install data.	The version upgrading data can not be deleted.	When an error occurs (Media writing disabled)

[INSTALLER]

Displayed message	Meaning	Progress/status
Updating has been completed. Turn the power off. The version of the installed program is "X.XX".	Installation completed. Turn off the power and then turn on again. The version of the installed program is "X.XX".	When the installing completed
To start installation, please press the [START/STOP] button. To delete the update program, please press the [BREAK] button.	To start the installation, press the [START/STOP] button. To delete the version upgrading data, press the [BREAK] button.	When the installer is started.
The update program is ver."X.XX". Are you sure you want to update? YES ⇒ Press the [START/STOP] button. NO ⇒ Press the [BREAK] button.	Version upgrading data is "ver.X.XX". Do you start installing? YES → Press the [START/STOP] button. NO → Press the [BREAK] button.	When the completion of the installation is detected
The update program is ver."X.XX". Are you sure you want to delete? YES ⇒ Press the [START/STOP] button. NO ⇒ Press the [BREAK] button.	Version upgrading data is "ver.X.XX". Do you delete the data? YES → Press the [START/STOP] button. NO → Press the [BREAK] button.	When the deletion of the data is detected

[ASSERTION]

Displayed message	Meaning	Progress/status
----- Unexpected error! (main) Turn the power off and on again ----- Parameter 1 Parameter 2 / Parameter 3	Fatal error occurred. Turn off the power and then turn on again.	MAIN side Unexpected error System down
----- Unexpected error! (sub) Turn the power off and on again ----- Parameter 1 / Parameter 2 / Parameter 3		SSP2 side Unexpected error System down

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

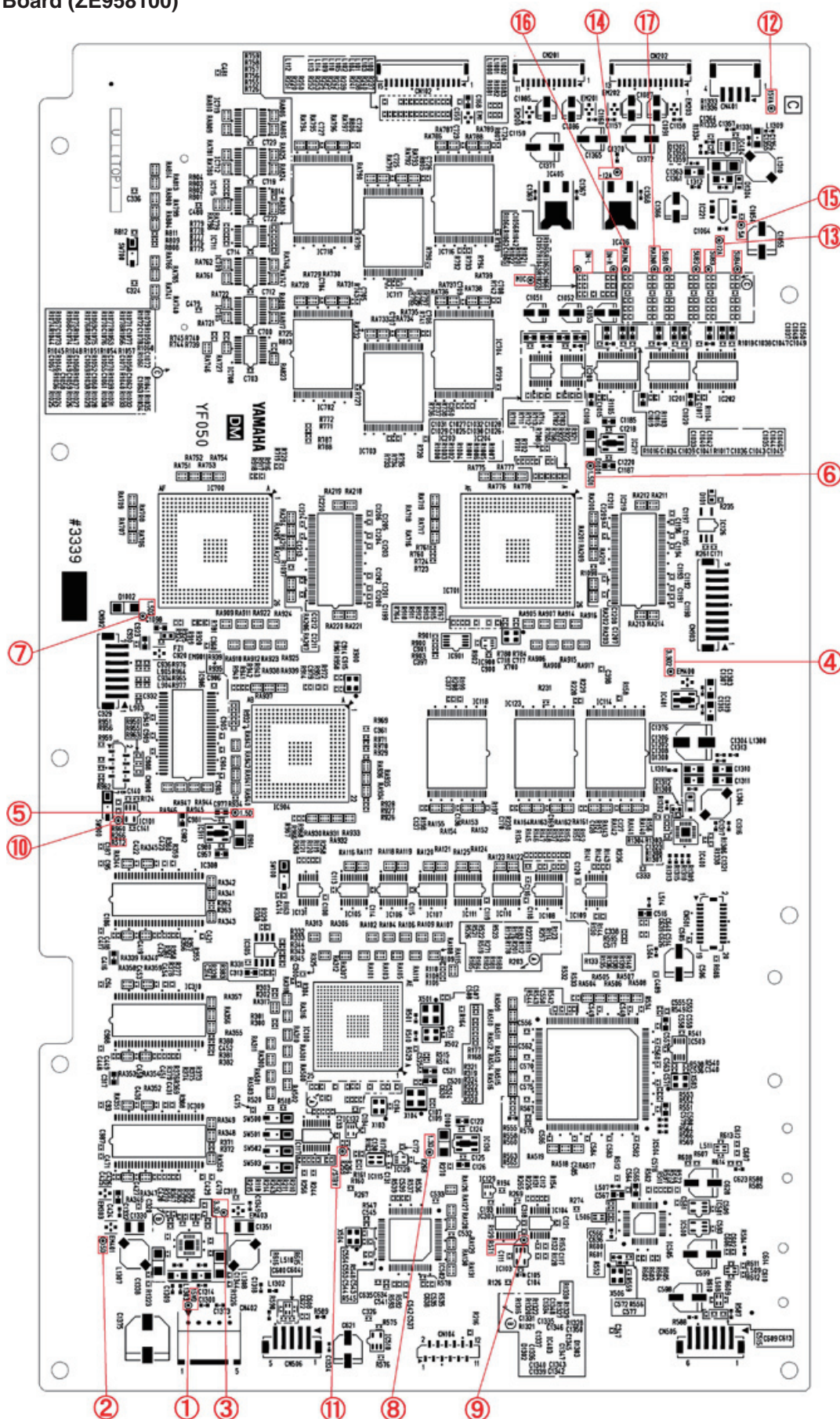
- ① No LCD display with POWER Switch ON --> Check items 1 to 11 sequentially
- ② No sound or distorted sound on MAIN output --> Check items 12 to 17 sequentially
- ③ No sound or distorted sound on SUB1 to SUB4 output --> Check items A to D sequentially
- ④ No sound or distorted sound with signal input on AUXIN or MIC terminal --> Check items F to G

Test Point

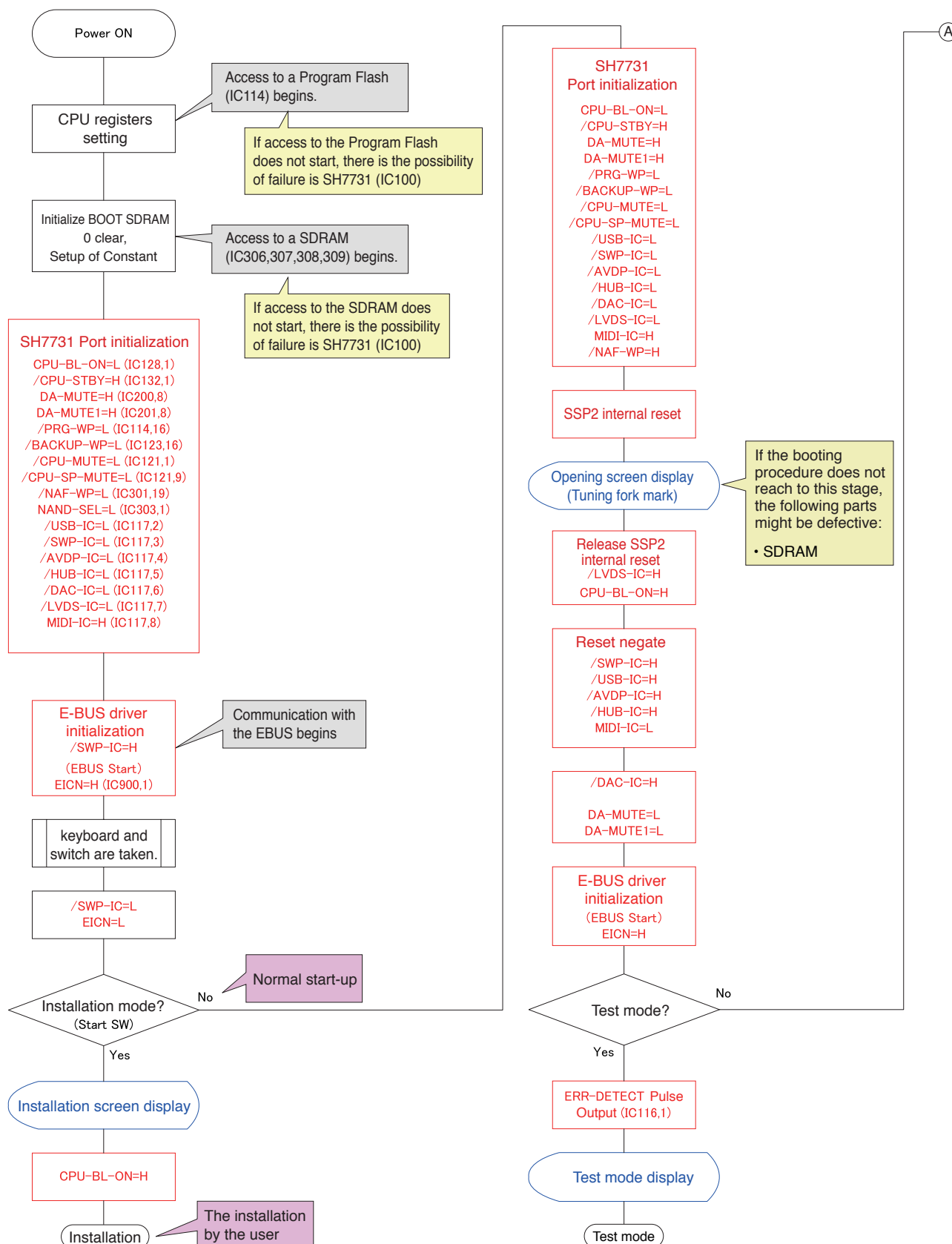
NO.	Test Point	Circuit	Judgment criteria	Measured by	Parts with possible defects
1	15VD	15 V power for digital circuit	15.0V±1.5V	Multimeter	POWER SUPPLY UNIT
2	5D	5 V power for digital circuit	5.0V±0.5V	Multimeter	IC403
3	3.3D	3.3 V power for digital circuit	3.3V±0.3V	Multimeter	IC403
4	3.3D2	3.3 V power for digital circuit	3.3V±0.3V	Multimeter	IC401
5	1.5D	1.5 V power for digital circuit	1.5V±0.2V	Multimeter	IC911
6	1.5D1	1.5 V power for digital circuit	1.5V±0.2V	Multimeter	IC217
7	1.5D2	1.5 V power for digital circuit	1.5V±0.2V	Multimeter	IC218
8	1.3D	1.3 V power for digital circuit	1.3V±0.2V	Multimeter	IC130
9	RST1	CPU & memory reset signal	3.3V±0.3V	Multimeter	IC103
10	RST2	CPU & memory reset signal	— —	— —	----
11	/STBY	Auto Power Off Singnal	3.0V±0.3V	Multimeter	IC100 (CPU-/STBY)
12	15VA	15 V power for analog circuit	15.0V±1.5V	Multimeter	POWER SUPPLY UNIT
13	12A	5 V power for analog circuit	12.0V±1.2V	Multimeter	IC405
14	-12A	5 V power for analog circuit	-12.0V±1.2V	Multimeter	IC404 or IC406
15	5A	5 V power for analog circuit	5.0V±0.5V	Multimeter	IC221
16	MAIN L	DAC output Main L channel	There shall be audio output without distortion.	Signal Checker	IC200 or IC222
17	MAIN R	DAC output Main R channel	There shall be audio output without distortion.	Signal Checker	IC200 or IC222
A	SUB1	DAC output Sub1	There shall be audio output without distortion.	Signal Checker	IC201 or IC223
B	SUB2	DAC output Sub2	There shall be audio output without distortion.	Signal Checker	IC201 or IC223
C	SUB3	DAC output Sub3	There shall be audio output without distortion.	Signal Checker	IC202 or IC224
D	SUB4	DAC output Sub4	There shall be audio output without distortion.	Signal Checker	IC202 or IC224
E	IN-L	AUXIN input L channeel	There shall be audio signal without distortion.	Signal Checker	IC3 on AJACK circuit board *1
F	IN-R	AUXIN input R channeel	There shall be audio signal without distortion.	Signal Checker	IC3 on AJACK circuit board *1
G	MIC	MIC input	There shall be audio signal without distortion.	Signal Checker	IC1 or TR1-TR4 on AJACK circuit board *1

Note 1 : Input a signal to a corresponding input terminal for confirmation.

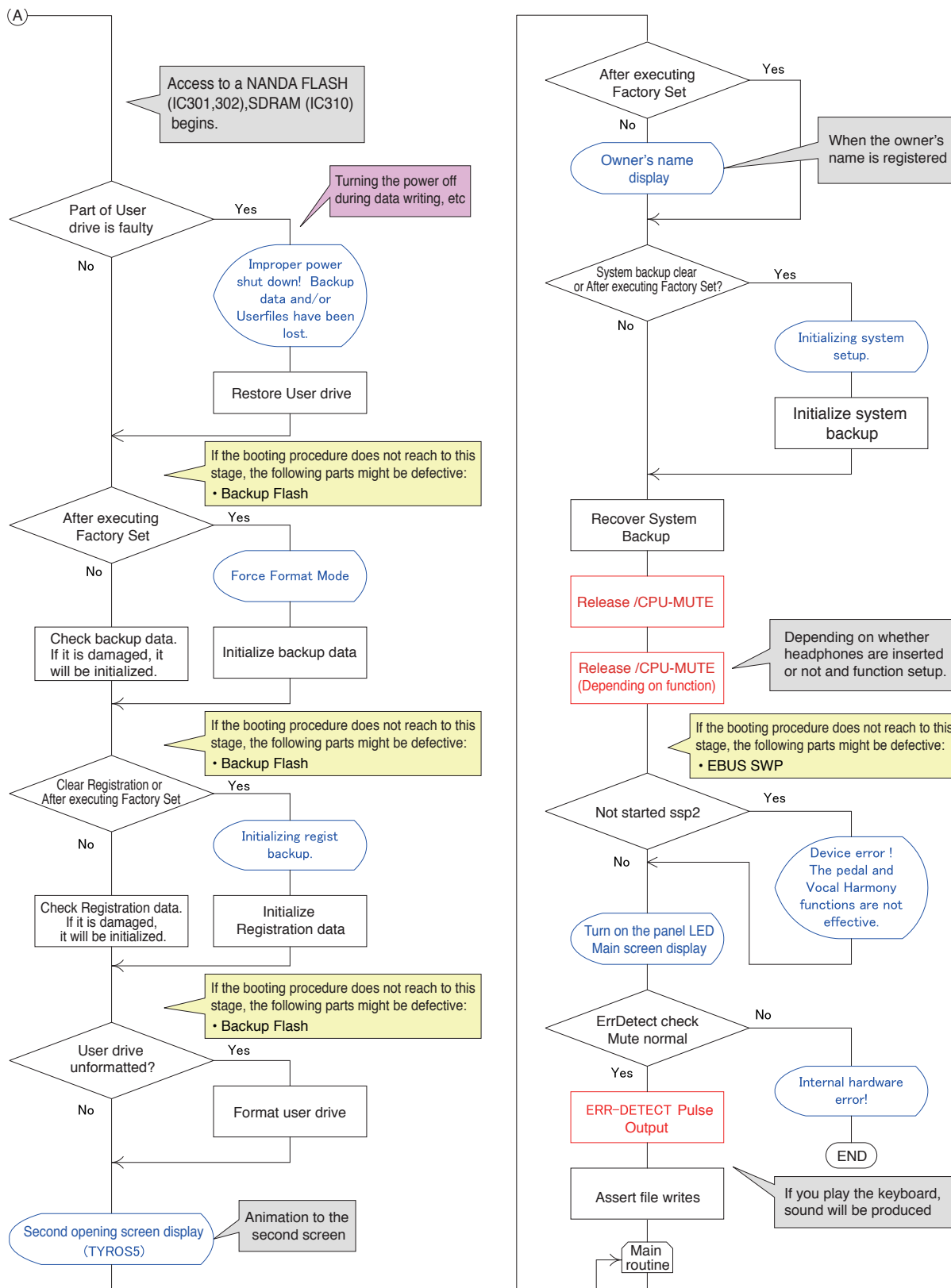
DM Circuit Board (ZE958100)



SYSTEM BOOTING FLOWCHART



* "After executing Factory Set" refers to the condition when the power is turned on after executing "Factory Set" in the Test Program.



DIGITAL WORKSTATION

Tyros5

Tyros5-61 / Tyros5-76

PARTS LIST


■ CONTENTS



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Notes : DESTINATION ABBREVIATIONS

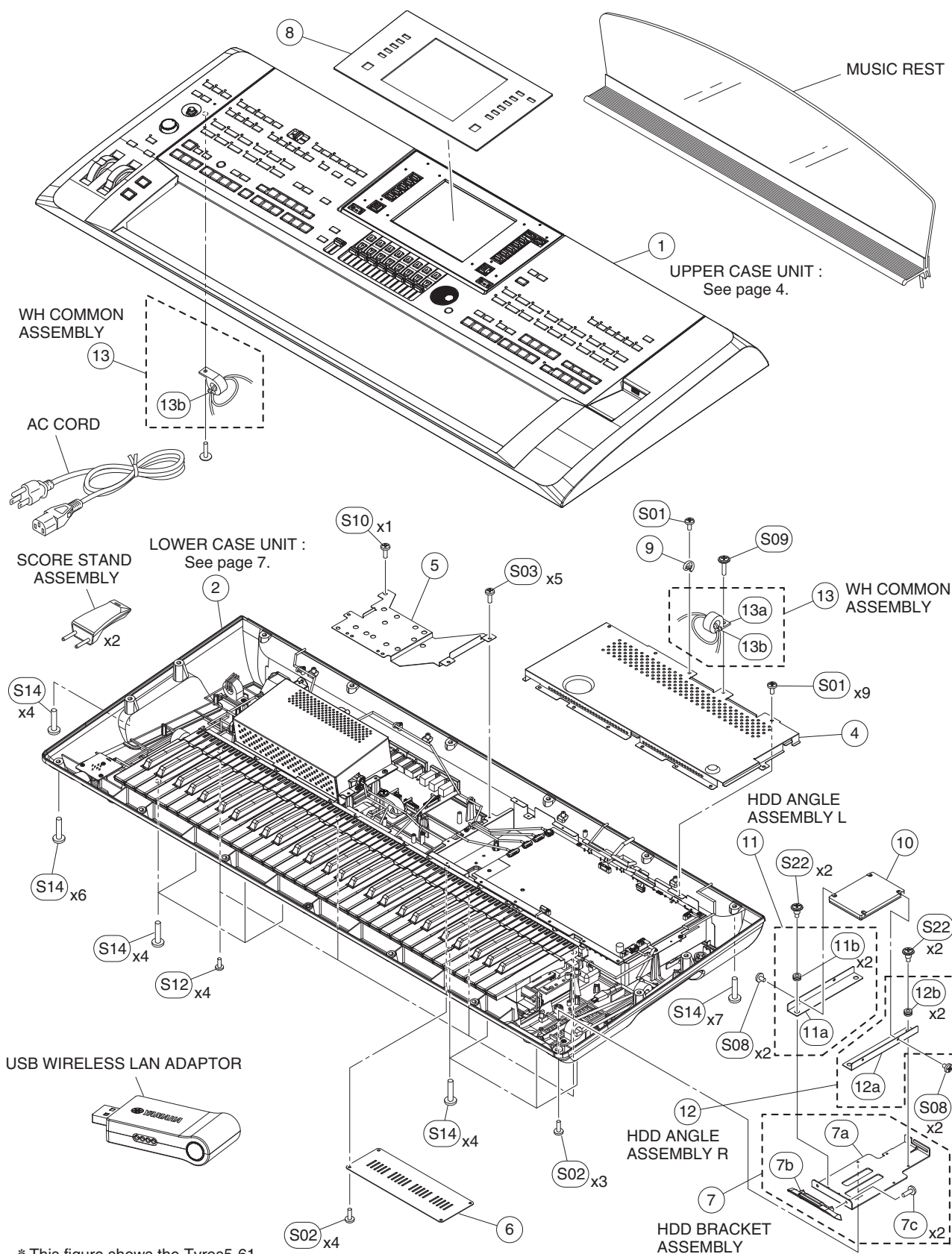
A : Australian model	M : South African model
B : British model	O : Chinese model
C : Canadian model	Q : South-east Asia model
D : German model	P : Brazilian model
E : European model	T : Taiwan model
F : French model	U : U.S.A. model
H : North European model	V : General export model (110V)
I : Indonesian model	W : General export model (230V)
J : Japanese model	N,X: General export model
K : Korean model	Y : Export 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



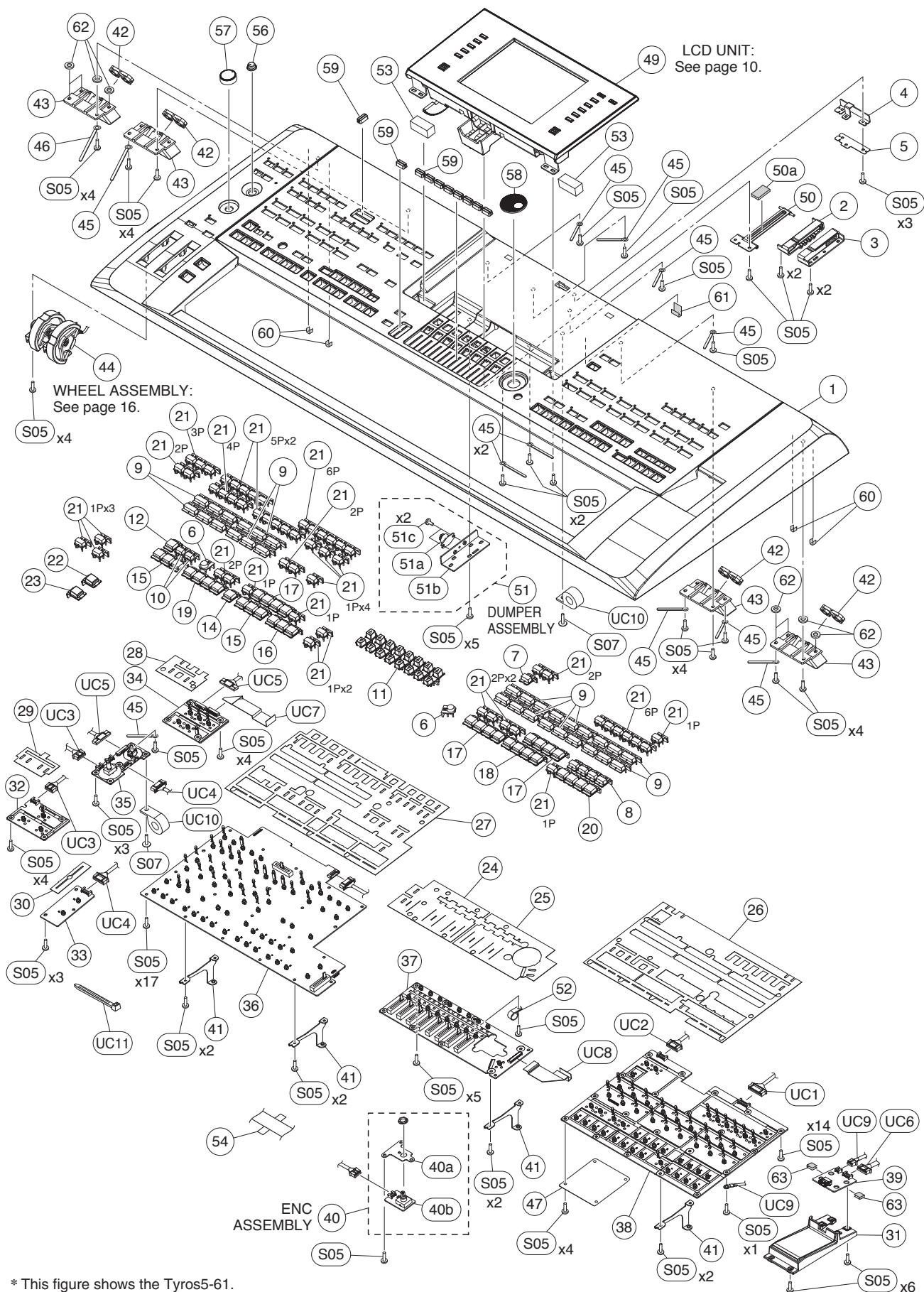
* This figure shows the Tyros5-61.

[illegible]

* New Parts

RANK: Japan only

UPPER CASE UNIT



REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY	RANK
		UPPER CASE UNIT		上 ケ ー ス ユ ニ ッ ト	Tyros5-61/Tyros5-76		
	--	UPPER CASE UNIT		上 ケ ー ス ユ ニ ッ ト	Tyros5-61 (ZG32630)		
	--	UPPER CASE UNIT		上 ケ ー ス ユ ニ ッ ト	Tyros5-76 (ZG32640)		
* 1	ZG314700	UPPER CASE		上 ケ ー ス 印 刷 品	Tyros5-61		
* 1	ZG314800	UPPER CASE		上 ケ ー ス 印 刷 品	Tyros5-76		
2	V913660R	STAY GUIDE MOLDING L	LEFT	ス テ イ ガ イ ド 成 形 品 L			03
3	V913670R	STAY GUIDE MOLDING R	RIGHT	ス テ イ ガ イ ド 成 形 品 R			03
4	--	LCD LOCK PLATE		L C D ロ ッ ク プ レ ー ト	(WF30630)		
5	--	LOCK PLATE COVER		ロ ッ ク プ レ ー ト 蓋	(WF30640)		
* 6	ZG314200	PANEL BUTTON	x1	パ ネ ル ボ タ ン 塗 装 品	TAP TEMPO, ENTER	2	
7	WN134400	BUTTON ASSEMBLY	x1	ボ タ ン A s s ' y	MUSIC FINDER		05
8	WN134700	BUTTON ASSEMBLY	x4	ボ タ ン A s s ' y	PART SELECT		08
* 9	ZG314300	PANEL BUTTON	x6(3Px2)	パ ネ ル ボ タ ン 塗 装 品	STYLE(POP&ROCK....FILE ACCESS), VOICE(PIANO....EXPANSION/USER)	5	
					OTS LINK, AUTO FILL IN	2	
* 10	ZG314400	PANEL BUTTON	x1	パ ネ ル ボ タ ン 塗 装 品	1-8(△/▽)		
11	ZG314500	PANEL BUTTON	x16	パ ネ ル ボ タ ン 塗 装 品	STYLE CONTROL(ACMP)		
* 12	ZJ980800	BUTTON ASSEMBLY	x1	ボ タ ン A s s ' y	STYLE CONTROL(BREAK)		
* 14	ZJ980900	BUTTON ASSEMBLY	x1	ボ タ ン A s s ' y	STYLE CONTROL(INTRO I-Ⅲ,	2	
* 15	ZJ981000	BUTTON ASSEMBLY	x3	ボ タ ン A s s ' y	ENDING/rit. I-Ⅲ)		
* 16	ZJ981100	BUTTON ASSEMBLY	x3	ボ タ ン A s s ' y	STYLE CONTROL(SYNC STOP,		
					SYNC START,START/STOP)		
* 17	ZJ981200	BUTTON ASSEMBLY	x4	ボ タ ン A s s ' y	MULTI PAD CONTROL(1-4), ONE TOUCH SETTING(1-4), REGISTRATION MEMORY(1-4)	3	
* 18	ZJ981300	BUTTON ASSEMBLY	x4	ボ タ ン A s s ' y	REGISTRATION MEMORY(5-8)		
* 19	ZJ981400	BUTTON ASSEMBLY	x4	ボ タ ン A s s ' y	STYLE CONTROL(MAIN VARIATION A-D)		
* 20	ZJ981500	BUTTON ASSEMBLY	x4	ボ タ ン A s s ' y	PART ON/OFF(LEFT,RIGHT 1-3)		
* 21	ZG314600	PANEL BUTTON	x6(1Px13,2Px6,3Px1,4Px1,5Px2,6Px2)	パ ネ ル ボ タ ン 塗 装 品	MIC(VOCAL HARMONY....MIC SETTING), FADE IN/OUT, UPPER OCTAVE(-,+),	9	
					SONG(REC....LYRICS/TEXT), AUDIO RECORDER/PLAYER(REC....MODE), TRANSPOSE(-,+), MIXING CONSOLE, TEMPO(-,+), CHANNEL ON/OFF, BALANCE, MULTI PAD CONTROL(SELECT,STOP),		
					MENU(FUNCTION,CREATOR), DEMO, VOICE EFFECT(HARMONY/ECHO...VARIATION), REGISTRATION MEMORY(REGIST BANK -,+, FREEZE,MEMORY), PART ON/OFF(LEFT HOLD)		
* 22	ZG326100	BUTTON ASSEMBLY	x1 ART1	ボ タ ン A s s ' y	ART.1		
* 23	ZG326200	BUTTON ASSEMBLY	x1 ART2	ボ タ ン A s s ' y	ART.2		
24	--	NONWOVEN FABRIC CLOTH		不 織 布	(WN11950)		
25	--	NONWOVEN FABRIC CLOTH		不 織 布	(WN11960)		
26	--	NONWOVEN FABRIC CLOTH	PNR	不 織 布 (P N R)	(ZG32110)		
27	--	NONWOVEN FABRIC CLOTH	PNL	不 織 布 (P N L)	(ZG32070)		
28	--	NONWOVEN FABRIC CLOTH	MIC	不 織 布 (M I C)	(ZG32100)		
29	--	NONWOVEN FABRIC CLOTH	PS1	不 織 布 (P S 1)	(ZG32080)		
30	--	NONWOVEN FABRIC CLOTH	PS2	不 織 布 (P S 2)	(ZG32090)		
* 31	ZG314000	USB COVER		U S B カ バ ー 塗 装 品			
* 32	ZE997000	CIRCUIT BOARD	PS1	P S 1 シ ー ト			
* 33	ZE997100	CIRCUIT BOARD	PS2	P S 2 シ ー ト			
* 34	ZE996900	CIRCUIT BOARD	MIC	M I C シ ー ト			
* 35	ZE996700	CIRCUIT BOARD	VOL	V O L シ ー ト			
* 36	ZE996600	CIRCUIT BOARD	PNL	P N L シ ー ト			
37	WT902900	CIRCUIT BOARD	PNC	P N C シ ー ト			10
* 38	ZE997200	CIRCUIT BOARD	PNR	P N R シ ー ト			
* 39	ZE997300	CIRCUIT BOARD	USB	U S B シ ー ト			
40	--	ENC ASSEMBLY		E N C A s s ' y	(ZG32600)		
40a	--	ENC STAY		E N C 固 定 金 具	(ZG32130)		
40b	WT903000	CIRCUIT BOARD	EN	E N シ ー ト			06
41	--	PANEL STAY		パ ネ ル ス テ イ	Tyros5-61 (ZG32220)	4	
41	--	PANEL STAY		パ ネ ル ス テ イ	Tyros5-76 (ZG32220)	6	
* 42	WF110210	ROD STABILIZER		ス タ ビ ラ イ ザ ー	Tyros5-61	4	
* 43	WF110210	ROD STABILIZER		ス タ ビ ラ イ ザ ー	Tyros5-76	6	
* 42	WN142900	ROD HOLDER		ロ ッ ド ホ ル ダ ー	Tyros5-61	4	03
43	WN142900	ROD HOLDER		ロ ッ ド ホ ル ダ ー	Tyros5-76	6	03
* 44	WN842200	WHEEL ASSEMBLY		ホ イ ー ル A s s ' y			
45	CB829850	CORD HOLDER	S-34B	束 線 止 め		11	03
46	CB81751R	CLIP, WIRE		束 線 止 め	Tyros5-61		03
46	CB81751R	CLIP, WIRE		束 線 止 め	Tyros5-76	2	03

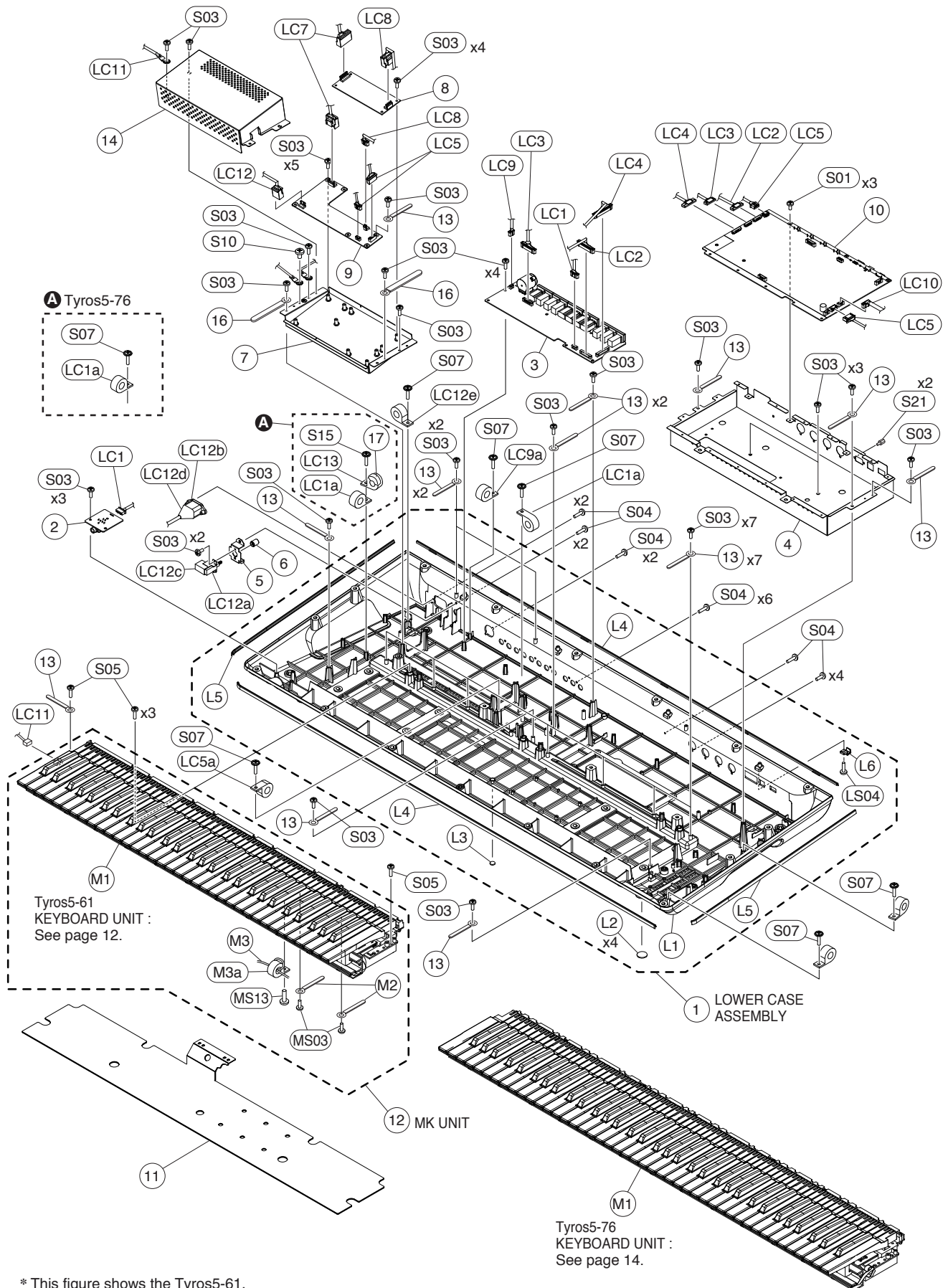
* New Parts

RANK: Japan only

6

RANK: Japan only

■ LOWER CASE UNIT



* This figure shows the Tyros5-61.

Tyros5-61/Tyros5-76

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY	RANK
	--	LOWER CASE UNIT		下 ケ ー ス ユ ニ ッ ト	Tyros5-61/Tyros5-76		
	--	LOWER CASE UNIT		下 ケ ー ス ユ ニ ッ ト	Tyros5-61 (ZG32550)		
	--	LOWER CASE UNIT		下 ケ ー ス ユ ニ ッ ト	Tyros5-76 (ZG32560)		
* 1	ZG325300	LOWER CASE ASSEMBLY		下 ケ ー ス A s s ' y	Tyros5-61		
* 1	ZG325400	LOWER CASE ASSEMBLY		下 ケ ー ス A s s ' y	Tyros5-76		
* 2	ZE997800	CIRCUIT BOARD	HP	H P シ ー ト			
* 3	ZE996500	CIRCUIT BOARD	AJACK	A J A C K シ ー ト			
4	--	DM ANGLE ASSEMBLY		D M ア ン グ ル A s s ' y	(ZJ98260)		
5	--	POWER SWITCH ANGLE	1.0	P S W ア ン グ ル	(WU61960)		
6	CB825380	PUSH BUTTON		プ ッ シ ュ ボ タ ン	Power switch		03
7	--	AC LOWER ANGLE ASSEMBLY		A C 下 金 具 A s s ' y	(ZG32440)		
* 8	ZG041200	POWER SUPPLY UNIT	LFA50F-15-J1 J,U,E	電 源 ユ ニ ッ ト			
* 9	ZE997700	CIRCUIT BOARD	MP	M P シ ー ト			
* 10	ZE958100	CIRCUIT BOARD	DM	D M シ ー ト			
11	WP202400	SHIELD SHEET MK		シ ー ル ド シ ー ト M K	Tyros5-61		07
* 11	ZG321200	SHIELD SHEET MK		シ ー ル ド シ ー ト M K	Tyros5-76		
12	--	MK UNIT		M K ユ ニ ッ ト	(ZG32490)		
12	--	MK UNIT		M K ユ ニ ッ ト	(ZG32500)		
13	CB829850	CORD HOLDER	S-34B	束 線 止 め	Tyros5-61	19	03
13	CB829850	CORD HOLDER	S-34B	束 線 止 め	Tyros5-76	23	03
14	--	AC COVER		A C カ バ ー	(ZG32710)		
15	--	WH COMMON ASSEMBLY	LC	L C 束 線 構 成	Tyros5-61 (ZG60010)		
15	--	WH COMMON ASSEMBLY	LC	L C 束 線 構 成	Tyros5-76 (ZG60020)		
16	CB81751R	CLIP, WIRE		束 線 止 め		2	03
17	--	FELT KEYBLOCK FRONT		拍 子 木 前 フェ ル ト	Tyros5-61 (WQ07990)		
S01	WE774000	BIND HEAD SCREW	3.0X6 MFZN2W3	小 ネ ジ + B I N D		3	
S03	--	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タ イ ト + B I N D	Tyros5-61 (WE77430)	44	
S03	--	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タ イ ト + B I N D	Tyros5-76 (WE77430)	49	
S04	WE972200	BIND HEAD TAPPING SCREW-B	3.0X10 MFZN2B3	B タ イ ト + B I N D		17	
S05	WE774200	BIND HEAD TAPPING SCREW-B	3.0X10 MFZN2W3	B タ イ ト + B I N D		5	01
S07	WF00210R	PW HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	B タ イ ト + P W H	Tyros5-61	6	01
S07	WF00210R	PW HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	B タ イ ト + P W H	Tyros5-76	7	01
S10	WF10580R	BIND HEAD SCREW	4.0X6 MFZN2W3	小 ネ ジ + B I N D			01
S15	ZK552900	PW HEAD TAPPING SCREW-B	3.0X16 MFZN2B3	B タ イ ト + P W H	Tyros5-61	1	
S21	V7569300	HEXAGONAL LOCK SCREW	HFS-4S-B1WM	6 角 ロ ッ ク ネ ジ		2	
* L1	ZG325300	LOWER CASE ASSEMBLY		下 ケ ー ス A s s ' y	Tyros5-61		
* L1	ZG325400	LOWER CASE ASSEMBLY		下 ケ ー ス A s s ' y	Tyros5-76		
L1	--	LOWER CASE		下 ケ ー ス 成 形 品	Tyros5-61 (ZG31240)		
L1	--	LOWER CASE		下 ケ ー ス 成 形 品	Tyros5-76 (ZG31250)		
L2	V928180R	RUBBER FOOT BLACK	T1.6	ゴ ム 脚		4	01
L3	CB043753	RUBBER FOOT BLACK	T1.6	ゴ ム 脚			05
L4	--	CUSHION		ク ッ シ ョ ン	Tyros5-61 (WN10530)	2	
L4	--	CUSHION PE	1320X13X1	ク ッ シ ョ ン P E	Tyros5-76 (ZG32480)	2	
L5	--	CUSHION		ク ッ シ ョ ン	(WN10540)	2	
* L6	ZJ420900	CODE COLUMN		コ ー ド コ ラ ム	Tyros5-61	4	
* L6	ZJ420900	CODE COLUMN		コ ー ド コ ラ ム	Tyros5-76	5	
LS04	WE972200	BIND HEAD TAPPING SCREW-B	3.0X10 MFZN2B3	B タ イ ト + B I N D	Tyros5-61	4	
LS04	WE972200	BIND HEAD TAPPING SCREW-B	3.0X10 MFZN2B3	B タ イ ト + B I N D	Tyros5-76	5	
* M1	--	MK UNIT		M K ユ ニ ッ ト	Tyros5-61 (ZG32490)		
* M1	--	MK UNIT		M K ユ ニ ッ ト	Tyros5-76 (ZG32500)		
M1	ZG725400	KEYBOARD UNIT	FSXDL 61 D2 I+	F S X 鍵 盤 ユ ニ ッ ト	Tyros5-61		
M1	ZG727700	KEYBOARD UNIT	FSXDL 76 D2 I+	F S X 鍵 盤 ユ ニ ッ ト	Tyros5-76		
M2	CB829850	CORD HOLDER	S-34B	束 線 止 め		2	03
M3	--	WH COMMON ASSEMBLY	MK KB-LF PH 7P-500	M K 束 線 構 成	(ZG60060)		
M3a	V3122901	FERRITE CORE	K1 NFT-13BK2	デ ー タ ラ イ ン フ ィ ル タ			
MS03	--	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タ イ ト + B I N D	(WE77430)	2	03
MS13	WE98120R	BIND HEAD TAPPING SCREW-B	4.0X12 MFZN2W3	B タ イ ト + B I N D			01
LC1	--	WH COMMON ASSEMBLY	LC	L C 束 線 構 成	Tyros5-61 (ZG60010)		
LC1	--	WH COMMON ASSEMBLY	LC	L C 束 線 構 成	Tyros5-76 (ZG60020)		
LC1	--	CONNECTOR ASSEMBLY	PH-LF 5P-700	P H - L F 束 線	Tyros5-61 (ZH19210)		
LC1a	--	CONNECTOR ASSEMBLY	PH-LF 5P-800	P H - L F 束 線	Tyros5-76 (ZH19220)		
LC1a	V3122901	FERRITE CORE	K1 NFT-13BK2	デ ー タ ラ イ ン フ ィ ル タ		2	03
LC2	--	CONNECTOR ASSEMBLY	GH-PH 13P-300	G H - P H 束 線	(ZG59930)		
LC3	--	CONNECTOR ASSEMBLY	GH-PH 11P-490	G H - P H 束 線	(ZG59940)		
LC4	--	CONNECTOR ASSEMBLY	GH-PH 15P-320	G H - P H 束 線	(ZG59950)		
LC5	--	WIRING ASSEMBLY	PWR-LF PH 4P-480/XH 5P-870	P W R - L F 束 線	(ZJ67220)		
LC5a	V3122901	FERRITE CORE	K1 NFT-13BK2	デ ー タ ラ イ ン フ ィ ル タ			03

*: New Parts

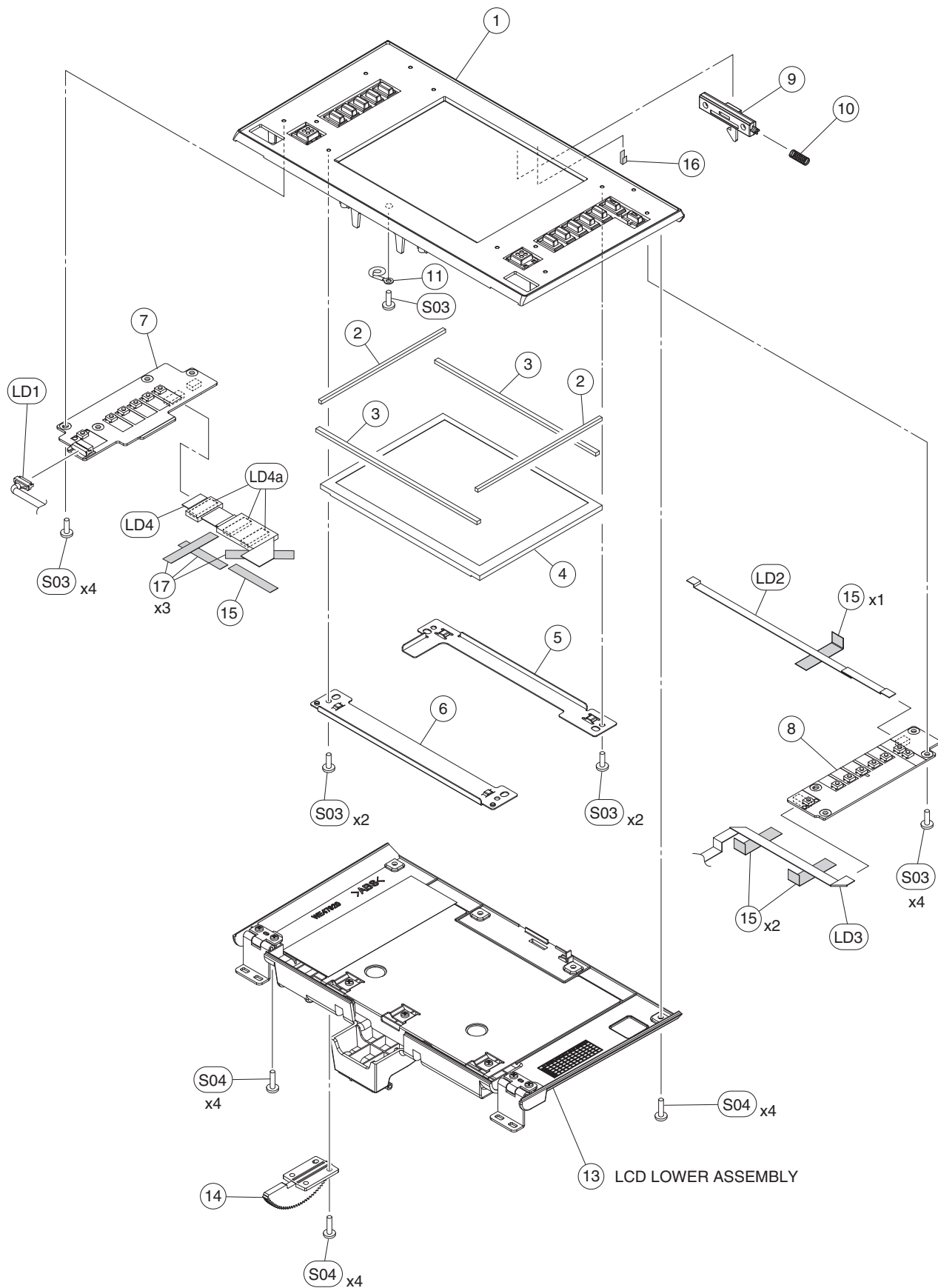
RANK: Japan only

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*: New Parts

RANK: Japan only

■ LCD UNIT

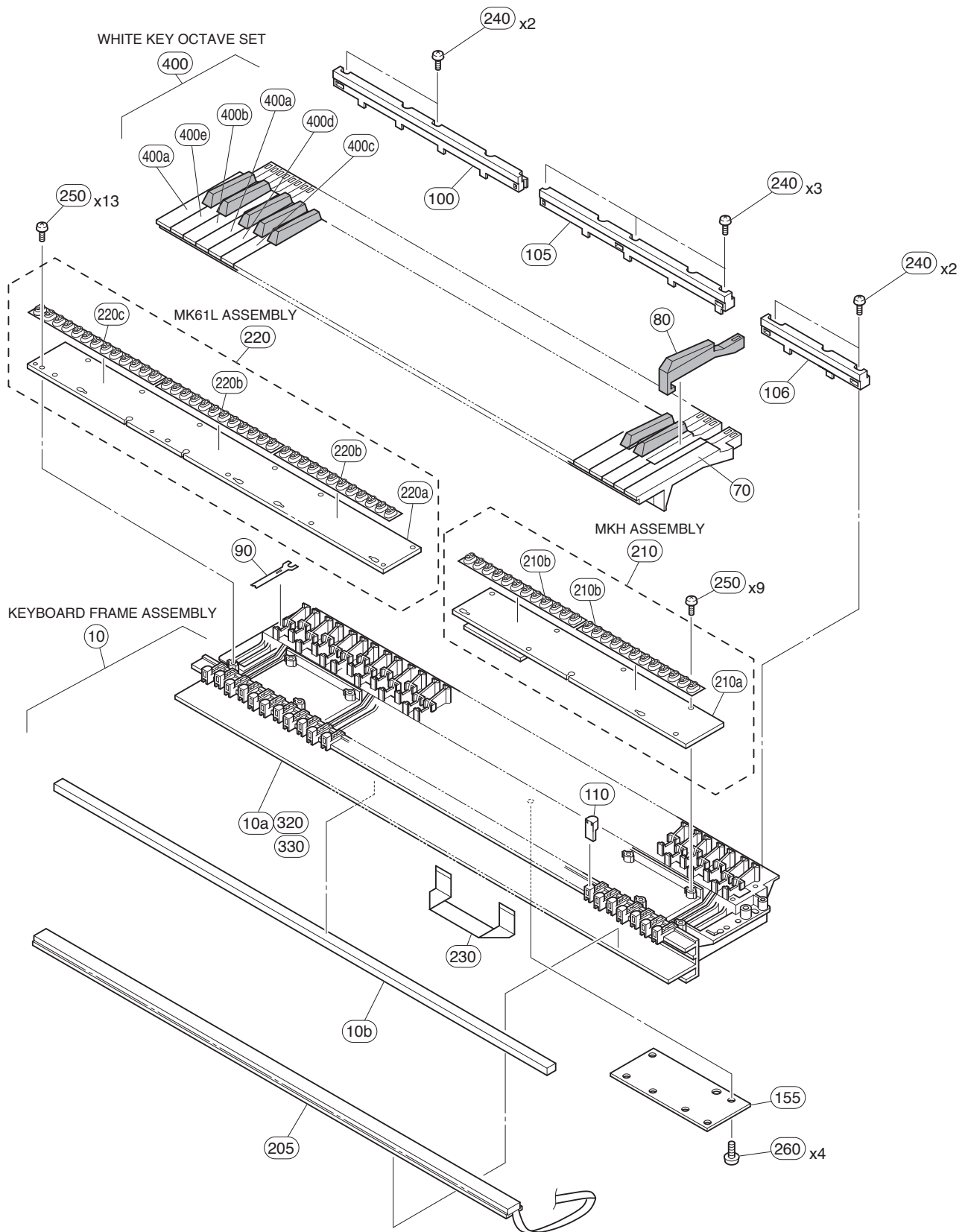


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* New Parts

RANK: Japan only

■ KEYBOARD UNIT (Tyros5-61)

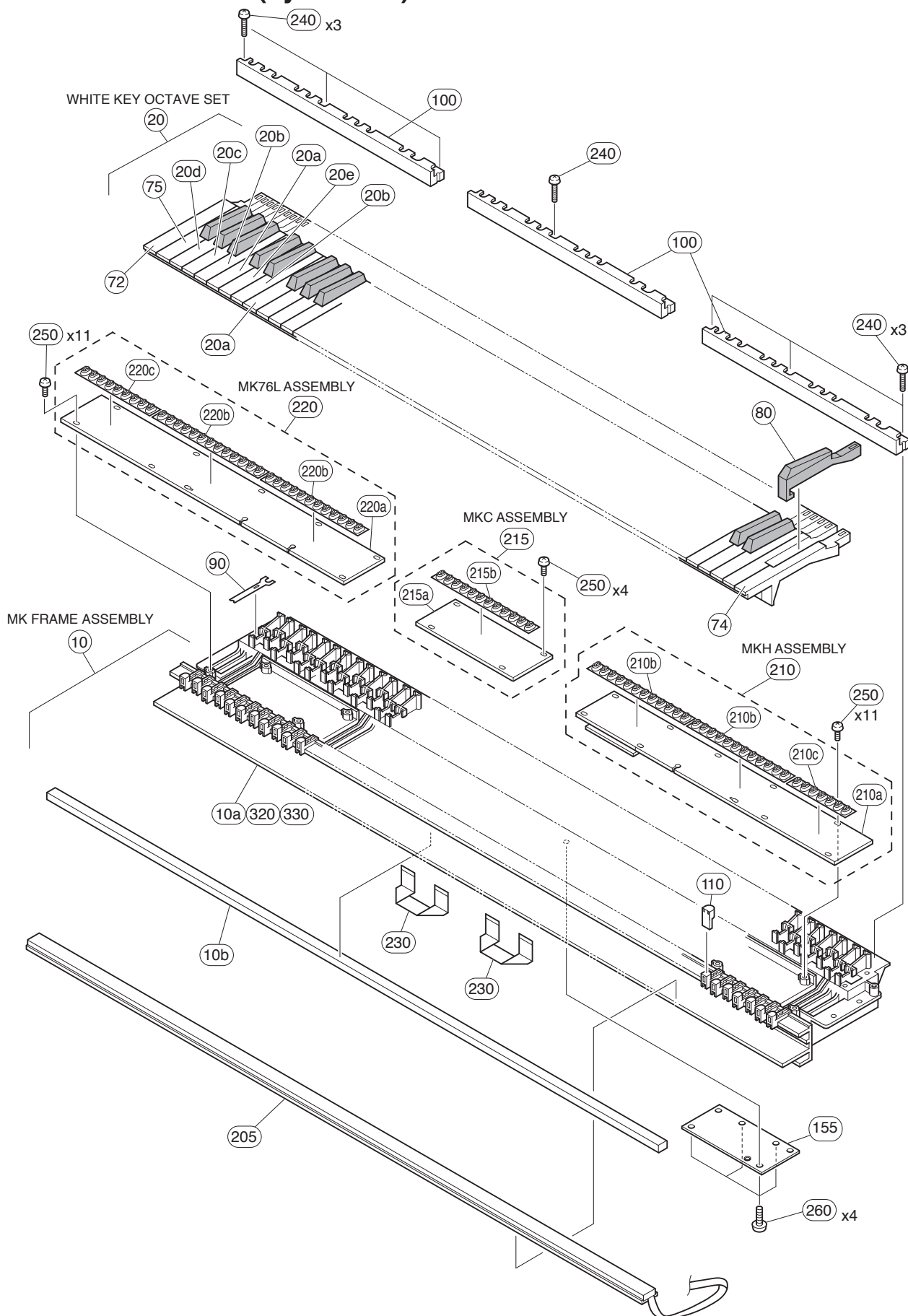


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* New Parts

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KEYBOARD UNIT (Tyros5-76)

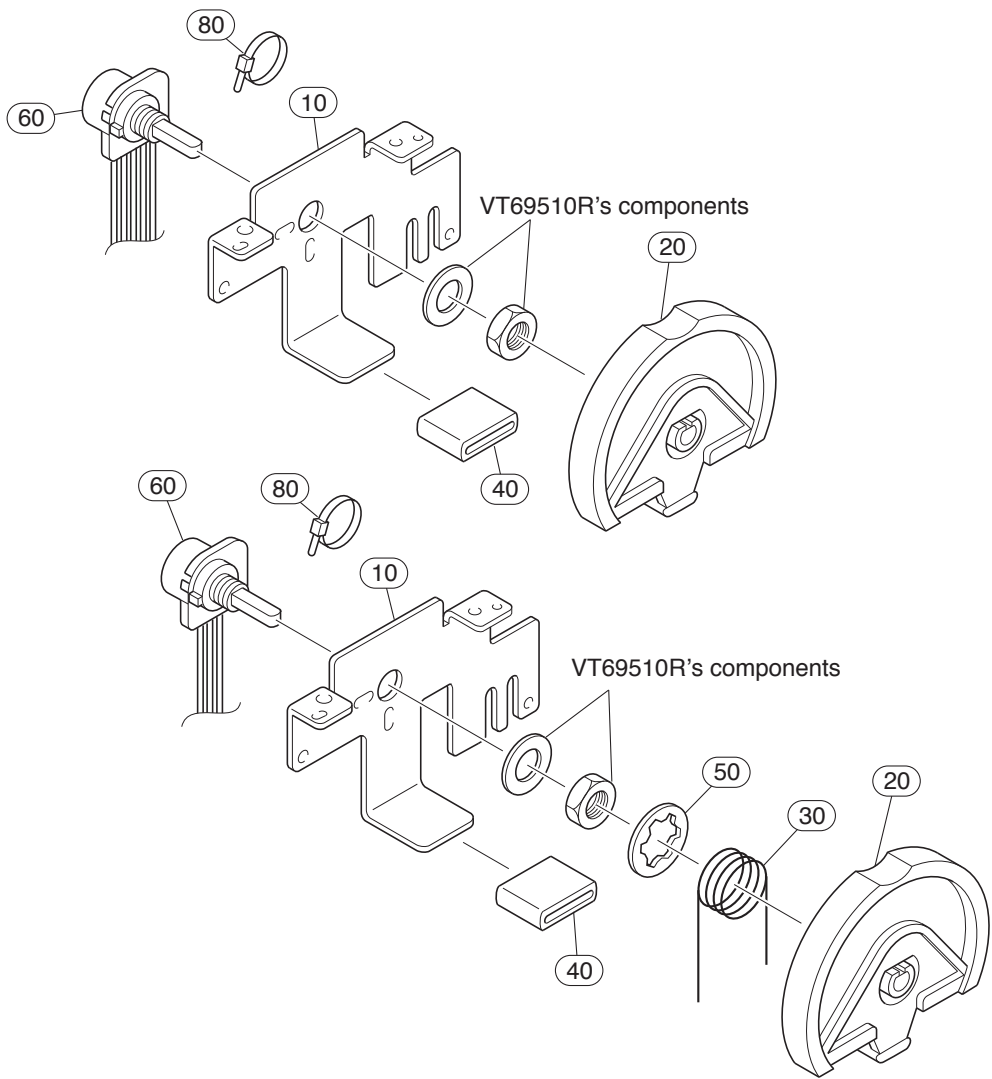


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*: New Parts

RANK: Japan only

WHEEL ASSEMBLY



REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY	RANK
*	WN842200	WHEEL ASSEMBLY		ホイール A s s ' y	Tyros5-61/Tyros5-76		
10	--	WHEEL ASSEMBLY		ホイール A s s ' y			
20	--	WHEEL FRAME	EX	ホイール フレーム	(WN84230)	2	
		WHEEL		ホイール E X	PITCH BEND, MODULATION	2	
					(V457990)		
30	--	SPRING		リターン S P	(VC79280)		
40	--	WHEEL TUBE		ホイール チューブ	(WW64980)	2	
50	--	STOPPER, CS-RING TYPE	12.0	C S 形 止 め 輪	(EW60011)		
60	VT69510R	ROTARY VARIABLE RESISTOR	SP. 10.0K RK163111	ロータリー V R	PITCH BEND, MODULATION	2	03
80	--	BINDING TIE	BK-1	インシュロックタイ	(CB06925)	2	

*: New Parts

RANK: Japan only

ELECTRICAL PARTS

AJACK

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
		ELECTRICAL PARTS	電 気 部 品	Tyros5-61/Tyros5-76		
*	ZE996500	CIRCUIT BOARD	A J A C K シ ー ト	(YF081D0)		
	WT903000	CIRCUIT BOARD	E N シ ー ト	(WT90280)(YC489A0)		06
	WT902900	CIRCUIT BOARD	P N C シ ー ト	(WT90280)(YC489A0)		10
*	ZE958100	CIRCUIT BOARD	D M シ ー ト	(YF050D0)		
*	ZE997500	CIRCUIT BOARD	L C L シ ー ト	(ZE99630)(YF079D0)		
*	ZE997400	CIRCUIT BOARD	L C R シ ー ト	(ZE99630)(YF079D0)		
*	ZE996900	CIRCUIT BOARD	M I C シ ー ト	(ZE99470)(YF076C0)		
*	ZE996600	CIRCUIT BOARD	P N L シ ー ト	(ZE99470)(YF076C0)		
*	ZE997000	CIRCUIT BOARD	P S 1 シ ー ト	(ZE99470)(YF076C0)		
*	ZE997100	CIRCUIT BOARD	P S 2 シ ー ト	(ZE99470)(YF076C0)		
*	ZE996700	CIRCUIT BOARD	V O L シ ー ト	(ZE99470)(YF076C0)		
	WD80010R	CIRCUIT BOARD	シ ー ト M K 6 1 L	Tyros5-61 (WD80020)(X6578D0)		08
	WD807300	CIRCUIT BOARD	M K 7 6 L シ ー ト	Tyros5-76 (X5655D0)		10
*	ZG725800	CIRCUIT BOARD	M K H シ ー ト	Tyros5-61 (ZG72570)(X6579B0)		
*	ZG727400	CIRCUIT BOARD	M K H シ ー ト	Tyros5-76 (X5657C0)		
*	ZF608600	CIRCUIT BOARD	E M K S シ ー ト	(ZF60830)(YF257C0)		
*	WD807100	CIRCUIT BOARD	M K C シ ー ト	Tyros5-76 (WD80700)(X5656D0)		08
*	ZE997700	CIRCUIT BOARD	M P シ ー ト	(ZE99640)(YF080D0)		
*	ZE997800	CIRCUIT BOARD	H P シ ー ト	(ZE99640)(YF080D0)		
*	ZE997200	CIRCUIT BOARD	P N R シ ー ト	(ZE99620)(YF078C0)		
*	ZE997300	CIRCUIT BOARD	U S B シ ー ト	(ZE99620)(YF078C0)		
*	ZE996500	CIRCUIT BOARD	A J A C K シ ー ト	(YF081D0)		
	--	CONNECTOR PLATE	2P	(ZG31360)	4	
	--	CONNECTOR PLATE	3P	(ZG31370)		
C5	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
-7	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C8	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
-10	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C11	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
-14	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C15	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C16	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)		
-18	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)		
C19	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C20	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
-22	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C23	V585100R	CERAMIC CAPACITOR (CHIP)	470P 50V J KAKUTE	チ ッ プ セ ラ C H		01
C24	UU267100	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケ ミ コ ン F W		01
C25	UU267100	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケ ミ コ ン F W		01
C27	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C28	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C29	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C30	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C31	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C31	WP882000	CERAMIC CAPACITOR (CHIP)	10U 6.3V K RECT.	チ ッ プ セ ラ		
C38	VI25470R	ELECTROLYTIC CAPACITOR	470.00 16.0V TATET	ケ ミ コ ン		01
C39	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C40	US062100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (S L)		
-42	US062100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (S L)		
C43	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C53	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C60	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C61	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C62	UR838100	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケ ミ コ ン		
C62	V350850R	ELECTROLYTIC CAPACITOR	100.00 16.0V TP	ケ ミ コ ン		
C63	UR838100	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケ ミ コ ン		
C63	V350850R	ELECTROLYTIC CAPACITOR	100.00 16.0V TP	ケ ミ コ ン		
C64	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C65	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C68	VS49070R	ELECTROLYTIC CAPACITOR	47.0 16.0V TP	ケ ミ コ ン 5 L		01
C68	WA66840R	ELECTROLYTIC CAPACITOR	47.00 16V TATETE	ケ ミ コ ン		
C69	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
-72	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C74	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ッ プ セ ラ (S L)		01
-77	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ッ プ セ ラ (S L)		01
C79	US062100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (S L)		
-82	US062100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (S L)		
C88	US062100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (S L)		

*: New Parts

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AJACK

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
C89	US062100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (S L)		
C90	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ッ プ セ ラ (S L)		01
C91	UN866470	ELECTROLYTIC CAPACITOR BP	4.70 50.0V RX TP	B P ケ ミ コ ン		
-94	UN866470	ELECTROLYTIC CAPACITOR BP	4.70 50.0V RX TP	B P ケ ミ コ ン		
C95	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ッ プ セ ラ (S L)		01
C96	UN848100	ELECTROLYTIC CAPACITOR BP	100.00 25.0V RX TP	B P ケ ミ コ ン		01
C97	UN848100	ELECTROLYTIC CAPACITOR BP	100.00 25.0V RX TP	B P ケ ミ コ ン		01
C98	UN866470	ELECTROLYTIC CAPACITOR BP	4.70 50.0V RX TP	B P ケ ミ コ ン		
-101	UN866470	ELECTROLYTIC CAPACITOR BP	4.70 50.0V RX TP	B P ケ ミ コ ン		
C102	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
-111	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C112	US062100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (S L)		
C116	US062100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (S L)		
-119	US062100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (S L)		
C120	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C134	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C137	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
-143	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C144	UR838100	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケ ミ コ ン		
C144	V350850R	ELECTROLYTIC CAPACITOR	100.00 16.0V TP	ケ ミ コ ン		
C145	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
-148	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C149	UR838100	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケ ミ コ ン		
C149	V350850R	ELECTROLYTIC CAPACITOR	100.00 16.0V TP	ケ ミ コ ン		
C150	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
-163	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C164	VS49070R	ELECTROLYTIC CAPACITOR	47.0 16.0V TP	ケ ミ コ ン 5 L		01
C164	WA66840R	ELECTROLYTIC CAPACITOR	47.00 16V TATETE	ケ ミ コ ン		
CN1	--	CONNECTOR ASSEMBLY	GND LUG-PIN 1P-100	G N D 束 線	(ZH86880)	
CN3	VB389900	CONNECTOR	PH 3P TE	ベ ー ス ポ ス ト		
CN4	VF283300	CONNECTOR	PH 15P TE	ベ ー ス ポ ス ト		
CN5	VF283100	CONNECTOR	PH 13P TE	ベ ー ス ポ ス ト		
CN6	VB390700	CONNECTOR	PH 11P TE	ベ ー ス ポ ス ト		
CN7	VB390100	CONNECTOR	PH 5P TE	ベ ー ス ポ ス ト		
D1	VD631600	DIODE	1SS133,176,HSS104	ダ イ オ ー ド		
-6	VD631600	DIODE	1SS133,176,HSS104	ダ イ オ ー ド		
D13	VD631600	DIODE	1SS133,176,HSS104	ダ イ オ ー ド		
-18	VD631600	DIODE	1SS133,176,HSS104	ダ イ オ ー ド		
IC1	X3505A00	IC	NJM2068M-D(TE2)	I C	OP AMP	
-3	X3505A00	IC	NJM2068M-D(TE2)	I C	OP AMP	
IC4	XQ824A00	IC	NJM4556AD	I C	OP AMP	
JK1	WT889700	CANON CONNECTOR	NCJ10FI-H-0	キ ャ ノ ン コ ネ ク タ	MIC INPUT	07
JK1	WU273900	CANON CONNECTOR	ACJC10HL	キ ャ ノ ン コ ネ ク タ		06
JK2	VS11540R	PHONE JACK BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	ASSIGNABLE FOOT PEDAL 1 (SUSTAIN)	01
JK3	VS11540R	PHONE JACK BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	ASSIGNABLE FOOT PEDAL 2 (ART.1)	01
JK4	VS11540R	PHONE JACK BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	ASSIGNABLE FOOT PEDAL 3 (VOLUME)	01
JK5	VS11540R	PHONE JACK BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	AUX IN R	01
JK6	WJ306200	PHONE JACK	MSJ-064-15A B AG	ホ ー ン コ ネ ク タ	AUX IN L/L+R	01
JK7	VS11540R	PHONE JACK BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	LINE OUT MAIN L/L+R	01
JK8	VS11540R	PHONE JACK BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	LINE OUT MAIN R	01
JK9	WJ306200	PHONE JACK	MSJ-064-15A B AG	ホ ー ン コ ネ ク タ	LINE OUT SUB 1	01
JK10	WJ306200	PHONE JACK	MSJ-064-15A B AG	ホ ー ン コ ネ ク タ	LINE OUT SUB 2	01
JK11	WJ306200	PHONE JACK	MSJ-064-15A B AG	ホ ー ン コ ネ ク タ	LINE OUT SUB 3 (AUX OUT)	01
JK12	WJ306200	PHONE JACK	MSJ-064-15A B AG	ホ ー ン コ ネ ク タ	LINE OUT SUB 4 (AUX OUT)	01
L1	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ ェ ラ イ ト ビ ー ズ		02
L2	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ ェ ラ イ ト ビ ー ズ		02
L3	--	JUMPER CABLE	0.55	ジ ャ ン パ ー 線	(VA07890)	
L4	--	JUMPER CABLE	0.55	ジ ャ ン パ ー 線	(VA07890)	
L5	V306340R	CHIP INDUCTANCE	BLM18BD601SN1D	チ ッ プ イ ン ダ ク タ		01
-13	V306340R	CHIP INDUCTANCE	BLM18BD601SN1D	チ ッ プ イ ン ダ ク タ		01
L5	VY657200	CHIP INDUCTANCE	600 BK1608HM601-T	チ ッ プ イ ン ダ ク タ		
-13	VY657200	CHIP INDUCTANCE	600 BK1608HM601-T	チ ッ プ イ ン ダ ク タ		
L5	WG595200	CHIP INDUCTANCE	GZ1608D601 1608	チ ッ プ イ ン ダ ク タ		
-13	WG595200	CHIP INDUCTANCE	GZ1608D601 1608	チ ッ プ イ ン ダ ク タ		
L14	VF45660R	COIL	SBT-0180W RX 80U	コ イ ル 8 0 U		03
L16	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
-33	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
L34	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ ェ ラ イ ト ビ ー ズ		02
L35	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ ェ ラ イ ト ビ ー ズ		02
L36	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		

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REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
L37	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ エ ラ イ ト ビ ー ズ		02
L38	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ エ ラ イ ト ビ ー ズ		02
L40	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ エ ラ イ ト ビ ー ズ		02
-43	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ エ ラ イ ト ビ ー ズ		02
L44	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
-46	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
L47	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ エ ラ イ ト ビ ー ズ		02
-50	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ エ ラ イ ト ビ ー ズ		02
L51	V306340R	CHIP INDUCTANCE	BLM18BD601SN1D	チ ッ プ イ ン ダ ク タ		01
L51	VY657200	CHIP INDUCTANCE	600 BK1608HM601-T	チ ッ プ イ ン ダ ク タ		
L51	WG595200	CHIP INDUCTANCE	GZ1608D601 1608	チ ッ プ イ ン ダ ク タ		
R1	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
R2	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
R3	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
-5	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R6	HF454220	CARBON RESISTOR	22.0 1/4 J AX TP	カ ー ボ ン 抵 抗		
-8	HF454220	CARBON RESISTOR	22.0 1/4 J AX TP	カ ー ボ ン 抵 抗		
R9	RD355221	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ ッ プ 抵 抗		01
-11	RD355221	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ ッ プ 抵 抗		01
R12	RF454100	CARBON RESISTOR (CHIP)	10.0 D RECT.	チ ッ プ 抵 抗		
R13	RF454100	CARBON RESISTOR (CHIP)	10.0 D RECT.	チ ッ プ 抵 抗		
R14	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R15	RF457470	CARBON RESISTOR (CHIP)	47.0K D RECT.	チ ッ プ 抵 抗		01
R16	RF457470	CARBON RESISTOR (CHIP)	47.0K D RECT.	チ ッ プ 抵 抗		01
R17	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R18	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R19	RF456390	CARBON RESISTOR (CHIP)	3.9K D RECT.	チ ッ プ 抵 抗		
R20	RF454180	CARBON RESISTOR (CHIP)	18.0 D RECT.	チ ッ プ 抵 抗		01
R21	RF454180	CARBON RESISTOR (CHIP)	18.0 D RECT.	チ ッ プ 抵 抗		01
R22	RF457470	CARBON RESISTOR (CHIP)	47.0K D RECT.	チ ッ プ 抵 抗		01
R23	RF457470	CARBON RESISTOR (CHIP)	47.0K D RECT.	チ ッ プ 抵 抗		01
R24	RF454180	CARBON RESISTOR (CHIP)	18.0 D RECT.	チ ッ プ 抵 抗		01
R25	RF456220	CARBON RESISTOR (CHIP)	2.2K D RECT.	チ ッ プ 抵 抗		
R26	RF456390	CARBON RESISTOR (CHIP)	3.9K D RECT.	チ ッ プ 抵 抗		
R27	RF45427R	CARBON RESISTOR (CHIP)	27.0 D RECT.	チ ッ プ 抵 抗		01
R28	RF457100	CARBON RESISTOR (CHIP)	10.0K D RECT.	チ ッ プ 抵 抗		
R29	RF457100	CARBON RESISTOR (CHIP)	10.0K D RECT.	チ ッ プ 抵 抗		
R30	RF456220	CARBON RESISTOR (CHIP)	2.2K D RECT.	チ ッ プ 抵 抗		
R31	RF456390	CARBON RESISTOR (CHIP)	3.9K D RECT.	チ ッ プ 抵 抗		
R32	RF454180	CARBON RESISTOR (CHIP)	18.0 D RECT.	チ ッ プ 抵 抗		01
R33	RF457180	CARBON RESISTOR (CHIP)	18.0K D RECT.	チ ッ プ 抵 抗		
R34	RF457180	CARBON RESISTOR (CHIP)	18.0K D RECT.	チ ッ プ 抵 抗		
R35	RD355100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ッ プ 抵 抗		
R37	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R38	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R39	RD357220	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チ ッ プ 抵 抗		
R40	RD357220	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チ ッ プ 抵 抗		
R41	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R42	RD357220	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チ ッ プ 抵 抗		
R43	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
-46	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
R47	RD156100	CARBON RESISTOR (CHIP)	1.0K 1/4 J TP	チ ッ プ 抵 抗		
R48	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R49	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
-52	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
R55	RD355100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ッ プ 抵 抗		
R56	RD355100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ッ プ 抵 抗		
R57	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R60	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
-63	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
R64	RD358100	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チ ッ プ 抵 抗		01
R65	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
-69	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R70	RD358100	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チ ッ プ 抵 抗		01
R71	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R72	RD358100	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チ ッ プ 抵 抗		01
R73	RD355560	CARBON RESISTOR (CHIP)	560.0 63M J RECT.	チ ッ プ 抵 抗		
R74	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R75	RD355560	CARBON RESISTOR (CHIP)	560.0 63M J RECT.	チ ッ プ 抵 抗		
R76	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01

*: New Parts

RANK: Japan only

AJACK and EN/PNC

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY	RANK
R77	RD355560	CARBON RESISTOR (CHIP)	560.0 63M J RECT.	チ ッ ブ 抵 抗			
R78	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ ブ 抵 抗			01
R79	RD355560	CARBON RESISTOR (CHIP)	560.0 63M J RECT.	チ ッ ブ 抵 抗			
R80	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ ブ 抵 抗			01
R81	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ ブ 抵 抗			
R82	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ ブ 抵 抗			
R83	RD355100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ッ ブ 抵 抗			
R84	RD355100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ッ ブ 抵 抗			
R85	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ ブ 抵 抗			
R86	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ ブ 抵 抗			
R91	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ ブ 抵 抗			
R92	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ ブ 抵 抗			
R93	HF454330	CARBON RESISTOR	33.0 1/4 J AX TP	カ ー ボ ン 抵 抗			
R94	HF454330	CARBON RESISTOR	33.0 1/4 J AX TP	カ ー ボ ン 抵 抗			
R97	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ ブ 抵 抗			
R99	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ ブ 抵 抗			
-102	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ ブ 抵 抗			
RY1	V824560R	RELAY	DC ATX203 12V	リ レ			04
RY1	V8616500	RELAY	DC G6S-2 12V	リ レ ー 1 2 V			
RY1	WB17080R	RELAY	DC NA-12W-K 12V	リ レ ー 1 2 V			04
RY2	V824560R	RELAY	DC ATX203 12V	リ レ			04
RY2	V8616500	RELAY	DC G6S-2 12V	リ レ ー 1 2 V			
RY2	WB17080R	RELAY	DC NA-12W-K 12V	リ レ ー 1 2 V			04
TR1	V742170R	TRANSISTOR	2SC3324-GR,BL(TE85	チ ッ プ ト ラ ン ジ ス タ			01
TR2	VV556400	TRANSISTOR	2SC2412K Q,R,S TP	ト ラ ン ジ ス タ			
TR3	V742170R	TRANSISTOR	2SC3324-GR,BL(TE85	チ ッ プ ト ラ ン ジ ス タ			01
TR4	VV556400	TRANSISTOR	2SC2412K Q,R,S TP	ト ラ ン ジ ス タ			
TR5	VV556400	TRANSISTOR	2SC2412K Q,R,S TP	ト ラ ン ジ ス タ			
-7	VV556400	TRANSISTOR	2SC2412K Q,R,S TP	ト ラ ン ジ ス タ			
TR5	WC529400	TRANSISTOR	KTC3875S-Y,GR-RTK	ト ラ ン ジ ス タ			
-7	WC529400	TRANSISTOR	KTC3875S-Y,GR-RTK	ト ラ ン ジ ス タ			
TR8	VV556500	TRANSISTOR	2SA1037AK Q,R,S TP	ト ラ ン ジ ス タ 2 S A			
TR9	VV556400	TRANSISTOR	2SC2412K Q,R,S TP	ト ラ ン ジ ス タ			
TR9	WC529400	TRANSISTOR	KTC3875S-Y,GR-RTK	ト ラ ン ジ ス タ			
TR10	WC883401	TRANSISTOR	2SD2704 K TP	ト ラ ン ジ ス タ 2 S D			01
-13	WC883401	TRANSISTOR	2SD2704 K TP	ト ラ ン ジ ス タ 2 S D			01
	WT903000	CIRCUIT BOARD	EN	E N シ ー ト	(WT90280)(YC489A0)		06
	WT902900	CIRCUIT BOARD	PNC	P N C シ ー ト	(WT90280)(YC489A0)		10
C22	VT43960R	MONOLITHIC CERAMIC CAPACITOR	0.100 50V Z RX TP	積 層 セ ラ コ ン			01
CN1	--	CONNECTOR ASSEMBLY	DS-KR 4P-100	D S ー K R 束 線	(WU65400)		
CN2	WK743400	FFC CONNECTOR	52807 22P SE	F F C コ ネ ク タ			02
CN201	VB858300	CONNECTOR	PH 4P SE	ベ ー ス ポ ス ト			
D1	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド			
-33	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド			
D1	VD631600	DIODE	1SS133,176,HSS104	ダ イ オ ー ド			
-33	VD631600	DIODE	1SS133,176,HSS104	ダ イ オ ー ド			
D201	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド			
D201	VD631600	DIODE	1SS133,176,HSS104	ダ イ オ ー ド			
D202	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド			
D202	VD631600	DIODE	1SS133,176,HSS104	ダ イ オ ー ド			
EC201	VU48130R	ENCODER	REB161(9X5)PVB15FH	1 6 形 エ ン コ ー ダ	DATA ENTRY		03
R22	HF455100	CARBON RESISTOR	100.0 1/4 J AX TP	カ ー ボ ン 抵 抗			
-29	HF455100	CARBON RESISTOR	100.0 1/4 J AX TP	カ ー ボ ン 抵 抗			
R22	HF75510R	CARBON RESISTOR	100.0 1/4 J AX TP	カ ー ボ ン 抵 抗			01
-29	HF75510R	CARBON RESISTOR	100.0 1/4 J AX TP	カ ー ボ ン 抵 抗			01
SW1	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	1 △		01
SW2	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	1 ▽		01
SW3	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	5 △		01
SW4	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	5 ▽		01
SW5	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	2 △		01
SW6	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	2 ▽		01
SW7	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	6 △		01
SW8	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	6 ▽		01
SW9	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	3 △		01
SW10	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	3 ▽		01
SW11	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	7 △		01
SW12	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	7 ▽		01
SW13	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	4 △		01
SW14	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	4 ▽		01

*: New Parts

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EN/PNC and DM

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY	RANK
SW15	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	8△		01
SW16	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	8▽		01
SW17	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	ENTER		01
VR1	WN562700	SLIDE VR	B 10.0K RS20111A9A	ス ラ イ ド V R	1		03
VR2	WN562700	SLIDE VR	B 10.0K RS20111A9A	ス ラ イ ド V R	2		03
VR3	WN562700	SLIDE VR	B 10.0K RS20111A9A	ス ラ イ ド V R	3		03
VR4	WN562700	SLIDE VR	B 10.0K RS20111A9A	ス ラ イ ド V R	4		03
VR5	WN562700	SLIDE VR	B 10.0K RS20111A9A	ス ラ イ ド V R	5		03
VR6	WN562700	SLIDE VR	B 10.0K RS20111A9A	ス ラ イ ド V R	6		03
VR7	WN562700	SLIDE VR	B 10.0K RS20111A9A	ス ラ イ ド V R	7		03
VR8	WN562700	SLIDE VR	B 10.0K RS20111A9A	ス ラ イ ド V R	8		03
* C597	ZE958100	CIRCUIT BOARD	DM	D M シ ー ト	(YF050D0)		
C603	UN838220	ELECTROLYTIC CAPACITOR BP	220.00 16.0V RX TP	B P ケ ミ コ ン			01
C611	UN838220	ELECTROLYTIC CAPACITOR BP	220.00 16.0V RX TP	B P ケ ミ コ ン			01
C1301	WM919900	ELECTROLYTIC CAPACITOR(CHIP)	470.00 25.0V CHITS	チ ッ プ ケ ミ コ ン C D			01
CN402	LB919050	CONNECTOR	XH 5P SE	ベ ー ス ツ キ ポ ス ト			
* JK100	ZF234100	DIN CONNECTOR	5P HDC-052AP	D I N コ ネ ク タ	MIDI A IN		
* JK101	ZF234100	DIN CONNECTOR	5P HDC-052AP	D I N コ ネ ク タ	MIDI A OUT		
* JK102	ZF234100	DIN CONNECTOR	5P HDC-052AP	D I N コ ネ ク タ	MIDI B IN		
* JK103	ZF234100	DIN CONNECTOR	5P HDC-052AP	D I N コ ネ ク タ	MIDI B OUT		
JK500	WH780300	USB RECEPTACLE	UBA 4P SE	U S B リ セ プ タ ク ル	USB TO DEVICE		03
JK501	V6802600	USB JACK	USB 4P SE	U S B ジ ャ ッ ク	USB TO HOST		02
JK502	V6706500	D-SUB CONNECTOR	KH 15P SE	D - S u b コ ネ ク タ	RGB OUT		
R578	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗			
C90	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
-95	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C100	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C101	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C102	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン			01
C103	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン			01
C105	US634100	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チ ッ プ セ ラ (B)			
C107	US634100	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チ ッ プ セ ラ (B)			
C108	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
-116	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C117	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)			01
C118	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
-121	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C123	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン			01
C124	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C125	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C126	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン			01
C127	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C128	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C129	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン			01
C131	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
-137	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C138	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン			01
C139	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C140	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C142	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)			01
-145	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)			01
C146	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C147	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)			01
-167	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)			01
C169	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C170	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C171	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)			01
C172	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C175	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C176	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン			01
C177	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C178	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C179	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)			01
C180	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C181	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)			01
C182	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01
C183	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)			01
C184	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)			01

*: New Parts

RANK: Japan only

DM

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
C186	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-189	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C193	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C194	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C195	US634100	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チップセラ (B)		01
C301	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C302	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C303	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-306	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C307	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C308	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-312	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C315	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C316	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C317	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C318	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-338	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C339	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C340	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-364	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C385	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-398	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C416	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C417	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-423	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C424	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C425	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-431	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C432	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C433	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-454	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C455	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 (B J)		01
-476	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C479	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-494	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C500	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-503	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		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 (B J)		01
C506	UF038100	ELECTROLYTIC CAPACITOR(CHIP)	100 16V	チップケミコン		01
C507	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C508	US634100	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チップセラ (B)		01
C509	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C511	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C512	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C514	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C515	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C516	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C517	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-519	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C520	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
-523	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C524	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-529	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C530	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C531	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-535	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C536	US661180	CERAMIC CAPACITOR (CHIP)	18P 50V J RECT.	チップセラ (C H)		01
C537	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-539	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C540	US661150	CERAMIC CAPACITOR (CHIP)	15P 50V J RECT.	チップセラ (C H)		01
C541	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C542	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C543	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チップセラ (B)		01
C544	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C545	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
C546	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ積層セラコン		01
C547	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01
-550	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップセラ (B J)		01

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DM

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
C551	WG251600	CERAMIC CAPACITOR (CHIP)	4.7 6.3V K RECT.	チ ッ プ セ ラ		01
C552	US661680	CERAMIC CAPACITOR (CHIP)	68P 50V J RECT.	チ ッ プ セ ラ (C H)		
C553	US661120	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チ ッ プ セ ラ (C H)		
C554	US661120	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チ ッ プ セ ラ (C H)		
C555	US663150	CERAMIC CAPACITOR (CHIP)	1500P 50V K RECT.	チ ッ プ セ ラ (B)		01
C556	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-558	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C559	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C560	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-564	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C565	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C566	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C567	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C568	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-571	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C572	US061150	CERAMIC CAPACITOR (CHIP)	15P 50V J RECT.	チ ッ プ セ ラ (C H)		
C573	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-576	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C577	US061150	CERAMIC CAPACITOR (CHIP)	15P 50V J RECT.	チ ッ プ セ ラ (C H)		
C578	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C579	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C580	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C581	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-586	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C587	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C588	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-596	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C598	WV584900	ELECTROLYTIC CAPACITOR	150.00 10.0V CHIP	ケ ミ コ ン R V D		01
C599	WV584900	ELECTROLYTIC CAPACITOR	150.00 10.0V CHIP	ケ ミ コ ン R V D		01
C600	US660500	CERAMIC CAPACITOR (CHIP)	5P 50V C RECT.	チ ッ プ セ ラ (C H)		01
C601	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C602	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C604	US660500	CERAMIC CAPACITOR (CHIP)	5P 50V C RECT.	チ ッ プ セ ラ (C H)		01
C605	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C615	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C616	US661120	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チ ッ プ セ ラ (C H)		
-620	US661120	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チ ッ プ セ ラ (C H)		
C621	WV584900	ELECTROLYTIC CAPACITOR	150.00 10.0V CHIP	ケ ミ コ ン R V D		01
C622	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C623	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C624	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		01
-626	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		01
C627	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C628	WV584900	ELECTROLYTIC CAPACITOR	150.00 10.0V CHIP	ケ ミ コ ン R V D		01
C629	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C630	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		01
-639	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		01
C640	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C700	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-710	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C711	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C712	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-715	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C716	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C717	US661150	CERAMIC CAPACITOR (CHIP)	15P 50V J RECT.	チ ッ プ セ ラ (C H)		01
C718	US661150	CERAMIC CAPACITOR (CHIP)	15P 50V J RECT.	チ ッ プ セ ラ (C H)		01
C719	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-730	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C731	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C732	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C900	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C901	US662100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (C H)		
C902	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C903	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-911	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C912	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C913	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C914	US661100	CERAMIC CAPACITOR (CHIP)	10P 50V D RECT.	チ ッ プ セ ラ (C H)		01
C915	US661100	CERAMIC CAPACITOR (CHIP)	10P 50V D RECT.	チ ッ プ セ ラ (C H)		01
C916	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01

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DM

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
-921	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C922	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C923	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C924	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-930	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C931	US662100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (C H)		
C932	US662100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (C H)		
C934	US661220	CERAMIC CAPACITOR (CHIP)	22P 50V J RECT.	チ ッ プ セ ラ (C H)		
C936	US661220	CERAMIC CAPACITOR (CHIP)	22P 50V J RECT.	チ ッ プ セ ラ (C H)		
C937	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C938	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-955	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C956	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C957	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C958	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-976	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C977	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C978	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-981	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C987	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C988	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C1000	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
-1017	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C1018	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
-1020	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1021	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C1022	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C1023	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1024	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1025	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C1026	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C1027	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1028	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1029	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C1030	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C1031	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
-1033	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1034	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C1035	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1036	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C1037	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1038	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C1039	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C1040	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1041	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C1042	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1043	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C1044	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1045	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C1046	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1047	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C1048	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C1049	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
C1050	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン		01
* C1051	ZH232900	ELECTROLYTIC CAPACITOR(CHIP)	1.00 50.0V CHITSUP	チ ッ プ ケ ミ コ ン U D		
* -1053	ZH232900	ELECTROLYTIC CAPACITOR(CHIP)	1.00 50.0V CHITSUP	チ ッ プ ケ ミ コ ン U D		
C1054	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ッ プ セ ラ (B J)		01
* C1055	ZH232600	ELECTROLYTIC CAPACITOR(CHIP)	100.00 16.0V CHITS	チ ッ プ ケ ミ コ ン U D		
C1056	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		01
-1063	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		01
C1064	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C1065	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		01
C1066	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		01
C1067	US642180	CERAMIC CAPACITOR (CHIP)	180P 25V J RECT.	チ ッ プ セ ラ (C H)		01
-1078	US642180	CERAMIC CAPACITOR (CHIP)	180P 25V J RECT.	チ ッ プ セ ラ (C H)		01
C1081	--	CERAMIC CAPACITOR (CHIP)	270P 50V J RECT.	チ ッ プ セ ラ (S L)	(US66227)	
C1082	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		01
-1084	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		01
* C1085	ZH232500	ELECTROLYTIC CAPACITOR(CHIP)	10.00 25.0V CHITSU	チ ッ プ ケ ミ コ ン U D		
* -1087	ZH232500	ELECTROLYTIC CAPACITOR(CHIP)	10.00 25.0V CHITSU	チ ッ プ ケ ミ コ ン U D		

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REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
C1088	US642180	CERAMIC CAPACITOR (CHIP)	180P 25V J RECT.	チ ャ ッ プ セ ラ (C H)		01
* C1091	ZH232500	ELECTROLYTIC CAPACITOR(CHIP)	10.00 25.0V CHITSU	チ ャ ッ プ ケ ミ コ ン U D		
C1097	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ャ ッ プ 積 層 セ ラ コ ン		01
C1098	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ャ ッ プ 積 層 セ ラ コ ン		01
C1099	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ャ ッ プ セ ラ (B J)		01
-1130	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ャ ッ プ セ ラ (B J)		01
C1131	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
-1134	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1135	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ャ ッ プ 積 層 セ ラ コ ン		01
C1136	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1137	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1138	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ャ ッ プ 積 層 セ ラ コ ン		01
C1139	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ャ ッ プ セ ラ (B J)		01
-1154	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ャ ッ プ セ ラ (B J)		01
C1155	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
-1160	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1161	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ャ ッ プ セ ラ (B J)		01
-1176	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ャ ッ プ セ ラ (B J)		01
C1177	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1178	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ャ ッ プ セ ラ (B)		01
-1183	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ャ ッ プ セ ラ (B)		01
C1184	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1185	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ャ ッ プ 積 層 セ ラ コ ン		01
-1189	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ャ ッ プ 積 層 セ ラ コ ン		01
C1190	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ャ ッ プ セ ラ (B J)		01
-1197	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ャ ッ プ セ ラ (B J)		01
C1198	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ャ ッ プ 積 層 セ ラ コ ン		01
C1199	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ャ ッ プ セ ラ (B J)		01
-1214	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ャ ッ プ セ ラ (B J)		01
C1215	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ャ ッ プ セ ラ (B)		01
-1217	US663100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ャ ッ プ セ ラ (B)		01
C1218	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ャ ッ プ セ ラ (B J)		01
-1221	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チ ャ ッ プ セ ラ (B J)		01
C1300	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1302	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1303	WF547900	CERAMIC CAPACITOR (CHIP)	10.000 25V K KAKUT	チ ャ ッ プ セ ラ		01
C1304	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1306	WM489900	CERAMIC CAPACITOR (CHIP)	10.0000 35V M KAKU	チ ャ ッ プ セ ラ コ ン		
C1307	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
-1309	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1310	WF547900	CERAMIC CAPACITOR (CHIP)	10.000 25V K KAKUT	チ ャ ッ プ セ ラ		01
C1311	WF547900	CERAMIC CAPACITOR (CHIP)	10.000 25V K KAKUT	チ ャ ッ プ セ ラ		01
C1312	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
-1315	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1316	US046100	CERAMIC CAPACITOR (CHIP)	1.00 25V K RECT.	チ ャ ッ プ セ ラ (B)		01
C1317	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1318	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1319	WF547900	CERAMIC CAPACITOR (CHIP)	10.000 25V K KAKUT	チ ャ ッ プ セ ラ		01
C1322	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1324	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
-1328	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1330	WH046600	MONOLITHIC CERAMIC CAP(CHIP)	47 16V K 3225	チ ャ ッ プ 積 層 セ ラ コ ン		03
C1331	US661120	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チ ャ ッ プ セ ラ (C H)		
C1332	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1334	US662680	CERAMIC CAPACITOR (CHIP)	680P 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C1335	US661120	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チ ャ ッ プ セ ラ (C H)		
C1336	US634100	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チ ャ ッ プ セ ラ (B)		
C1337	US664100	CERAMIC CAPACITOR (CHIP)	0.010 50V Z RECT.	チ ャ ッ プ セ ラ (F)		
C1339	WF547900	CERAMIC CAPACITOR (CHIP)	10.000 25V K KAKUT	チ ャ ッ プ セ ラ		01
C1340	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1341	WN110600	MONOLITHIC CERAMIC CAP(CHIP)	4.700 25V K KAKUTE	チ ャ ッ プ 積 層 セ ラ コ ン		01
C1342	WF547900	CERAMIC CAPACITOR (CHIP)	10.000 25V K KAKUT	チ ャ ッ プ セ ラ		01
C1343	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1345	US643470	CERAMIC CAPACITOR (CHIP)	4700P 25V K RECT.	チ ャ ッ プ セ ラ (B)		01
C1346	US661120	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チ ャ ッ プ セ ラ (C H)		
C1347	US634100	CERAMIC CAPACITOR (CHIP)	0.010 16V K RECT.	チ ャ ッ プ セ ラ (B)		
C1348	US662560	CERAMIC CAPACITOR (CHIP)	560P 50V K RECT.	チ ャ ッ プ セ ラ (B)		01
C1349	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ャ ッ プ セ ラ (B)		
C1350	US661120	CERAMIC CAPACITOR (CHIP)	12P 50V J RECT.	チ ャ ッ プ セ ラ (C H)		
C1351	WH046600	MONOLITHIC CERAMIC CAP(CHIP)	47 16V K 3225	チ ャ ッ プ 積 層 セ ラ コ ン		03

*: New Parts

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REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
C1352	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C1354	WF547900	CERAMIC CAPACITOR (CHIP)	10.000 25V K KAKUT	チ ッ プ セ ラ		01
C1355	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C1356	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C1357	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C1358	WF547900	CERAMIC CAPACITOR (CHIP)	10.000 25V K KAKUT	チ ッ プ セ ラ		01
C1359	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C1360	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C1361	WF547900	CERAMIC CAPACITOR (CHIP)	10.000 25V K KAKUT	チ ッ プ セ ラ		01
C1362	US662330	CERAMIC CAPACITOR (CHIP)	330P 50V K RECT.	チ ッ プ セ ラ (B)		
C1363	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C1364	US661220	CERAMIC CAPACITOR (CHIP)	22P 50V J RECT.	チ ッ プ セ ラ (C H)		
* C1365	ZH232700	ELECTROLYTIC CAPACITOR(CHIP)	10.00 35.0V CHITSU	チ ッ プ ケ ミ コ ン U D		
* C1366	ZH232700	ELECTROLYTIC CAPACITOR(CHIP)	10.00 35.0V CHITSU	チ ッ プ ケ ミ コ ン U D		
C1367	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
* -1370	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
* C1371	ZH232600	ELECTROLYTIC CAPACITOR(CHIP)	100.00 16.0V CHITS	チ ッ プ ケ ミ コ ン U D		
* C1372	ZH232600	ELECTROLYTIC CAPACITOR(CHIP)	100.00 16.0V CHITS	チ ッ プ ケ ミ コ ン U D		
C1373	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C1375	WM919900	ELECTROLYTIC CAPACITOR(CHIP)	470.00 25.0V CHITS	チ ッ プ ケ ミ コ ン C D		01
C1376	UF14810R	ELECTROLYTIC CAPACITOR(CHIP)	100 25V	チ ッ プ ケ ミ コ ン		01
CN102	--	CONNECTOR	GH 15P SE	ベ ー ス ビ ン	(ZF24390)	
CN201	--	CONNECTOR	GH 11P SE	ベ ー ス ビ ン	(ZF24350)	
CN202	--	CONNECTOR	GH 13P SE	ベ ー ス ビ ン	(ZF24370)	
CN401	V2915800	CONNECTOR	PH 4P SE	ベ ー ス 付 ポ ス ト		01
CN501	WT758800	CONNECTOR	SHLD 20P TE	コ ネ ク タ ベ ー ス ポ ス ト		03
CN505	VT388700	CONNECTOR	PH 6P TE	ベ ー ス 付 ポ ス ト		
CN506	VT388600	CONNECTOR	PH 5P TE	ベ ー ス 付 ポ ス ト		
CN700	WT802100	CONNECTOR	8611 120P TE	B T O B プ ラ グ		05
CN902	VT388800	CONNECTOR	PH 7P TE	ベ ー ス 付 ポ ス ト		
CN903	VT389000	CONNECTOR	PH 9P TE	ベ ー ス 付 ポ ス ト		
D100	VT532500	DIODE	1SR154-400 TE-25	ダ イ オ ー ド		
D101	VT332900	DIODE	1SS355 TE-17 TP	ダ イ オ ー ド		
-106	VT332900	DIODE	1SS355 TE-17 TP	ダ イ オ ー ド		
D904	VT532500	DIODE	1SR154-400 TE-25	ダ イ オ ー ド		
D1000	VT532500	DIODE	1SR154-400 TE-25	ダ イ オ ー ド		
-1002	VT532500	DIODE	1SR154-400 TE-25	ダ イ オ ー ド		
D1300	WM940400	DIODE	RB070M-30TR TP	ダ イ オ ー ド		01
D1302	V6267600	DIODE	RB051L-40 TP	ダ イ オ ー ド		
D1303	V6267600	DIODE	RB051L-40 TP	ダ イ オ ー ド		
D1304	WG139300	DIODE	KDS4148U-RTK/P TE	ダ イ オ ー ド		
D1305	V6267600	DIODE	RB051L-40 TP	ダ イ オ ー ド		
D1306	WM940400	DIODE	RB070M-30TR TP	ダ イ オ ー ド		01
-1309	WM940400	DIODE	RB070M-30TR TP	ダ イ オ ー ド		01
D1310	VT532500	DIODE	1SR154-400 TE-25	ダ イ オ ー ド		
EM1	WE94560R	EMI FILTER (CHIP)	NFM21CC223R1H3D	エ ミ フ ィ ル チ ッ プ		01
EM200	WE94560R	EMI FILTER (CHIP)	NFM21CC223R1H3D	エ ミ フ ィ ル チ ッ プ		01
-203	WE94560R	EMI FILTER (CHIP)	NFM21CC223R1H3D	エ ミ フ ィ ル チ ッ プ		01
EM301	WE94560R	EMI FILTER (CHIP)	NFM21CC223R1H3D	エ ミ フ ィ ル チ ッ プ		01
EM303	WE94560R	EMI FILTER (CHIP)	NFM21CC223R1H3D	エ ミ フ ィ ル チ ッ プ		01
EM400	WE05620R	EMI FILTER (CHIP)	NFM21PC105B1A3D	エ ミ フ ィ ル チ ッ プ		01
EM401	WE05620R	EMI FILTER (CHIP)	NFM21PC105B1A3D	エ ミ フ ィ ル チ ッ プ		01
EM403	WE05620R	EMI FILTER (CHIP)	NFM21PC105B1A3D	エ ミ フ ィ ル チ ッ プ		01
EM404	WE05620R	EMI FILTER (CHIP)	NFM21PC105B1A3D	エ ミ フ ィ ル チ ッ プ		01
EM900	WE94560R	EMI FILTER (CHIP)	NFM21CC223R1H3D	エ ミ フ ィ ル チ ッ プ		01
EM901	WE94560R	EMI FILTER (CHIP)	NFM21CC223R1H3D	エ ミ フ ィ ル チ ッ プ		01
FZ1	WR761300	CHIP FUSE	FAST-ACTING 1.25A	チ ッ プ ヒ ュ ー ズ		01
FZ2	ZJ046700	CHIP FUSE	FAST-ACTING 1.00A	チ ッ プ ヒ ュ ー ズ		
IC100	--	IC	R8A77310D333BG	I C	MAIN CPU (YC170A0)	
IC103	X7701A00	IC	BU4229G-TR	I C	SYSTEM RESET	01
IC104	XV890B0R	IC	TC74VHC14FT-ELK	I C	INVERTER	01
IC105	X3693A00	IC	SN74LV245APWR	I C	TRANSCEIVER	
-108	X3693A00	IC	SN74LV245APWR	I C	TRANSCEIVER	
IC109	XV893A0R	IC	TC74VHC139FT(EL)	I C	DECODER	02
IC110	X3693A00	IC	SN74LV245APWR	I C	TRANSCEIVER	
IC111	X3693A00	IC	SN74LV245APWR	I C	TRANSCEIVER	
* IC114	YF243D00	IC	S29GL256S90TFI020	I C	PROGRAM ROM 256Mbit	
IC115	YC019A00	IC	S-80944CNNB-G9ET2G	I C	VOLTAGE DETECTOR	01
IC116	X8506A01	IC	TC74VHC123AFT	I C	SINGLE SHOT	02
IC117	X3693A00	IC	SN74LV245APWR	I C	TRANSCEIVER	

*: New Parts

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DM

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
* IC118	YF244D00	IC	S29GL512S10TFI020	DATA ROM 512Mbit		
IC119	XR680A00	IC	TC7SH08FU	AND		01
IC120	XR680A00	IC	TC7SH08FU	AND		01
IC121	X2377A0R	IC	SN74LV21APWR	AND		01
IC122	X5647A00	IC	SN74LV32APWR	OR		
IC123	--	IC	EN29LV640AB-90TIP	BACK-UP ROM 64Mbit (YC079B0)		
IC124	XV890B0R	IC	TC74VHC14FT-ELK	INVERTER		01
IC125	VR90370R	PHOTO COUPLER	HCPL-M600-500E			04
IC126	VR90370R	PHOTO COUPLER	HCPL-M600-500E			04
IC128	XR680A00	IC	TC7SH08FU	AND		01
* IC130	YF514A00	IC	RP131H131B-F	REGULATOR +1.3V		
IC131	X2377A0R	IC	SN74LV21APWR	AND		01
IC200	X8324A00	IC	AK4396VF-E2	DAC		06
-202	X8324A00	IC	AK4396VF-E2	DAC		06
IC203	X5219A0R	IC	AK5381VT-E2	ADC		05
IC204	X5219A0R	IC	AK5381VT-E2	ADC		05
IC217	YD933A00	IC	RP131H151D-T1-FE	REGULATOR +1.5V		01
IC218	YD933A00	IC	RP131H151D-T1-FE	REGULATOR +1.5V		01
IC219	X0176E00	IC	W9864G2JH-6	SDRAM 64Mbit		04
IC220	X0176E00	IC	W9864G2JH-6	SDRAM 64Mbit		04
* IC221	YF520A00	IC	R1190S050B-E2-FE	REGULATOR +5V		
IC222	X3505A00	IC	NJM2068M-D(TE2)	OP AMP		
-226	X3505A00	IC	NJM2068M-D(TE2)	OP AMP		
* IC301	YF674B00	IC	TC58NVG2S3ETA00B3H	PROGRAM ROM 4Gbit		
* IC302	YF675B00	IC	TC58NVG1S3ETA00	PROGRAM ROM 2Gbit		
IC303	X5647A00	IC	SN74LV32APWR	OR		
IC306	X3584E00	IC	W9812G6JH-6	SDRAM 128Mbit		04
-309	X3584E00	IC	W9812G6JH-6	SDRAM 128Mbit		04
IC310	X4943D00	IC	W9825G6JH-6	SDRAM 256Mbit		05
IC400	YD867A00	IC	BD6590MUV-E2	DC-DC CONVERTER		04
IC401	YD113A00	IC	RP131H331D-T1-FE	REGULATOR +3.3V		01
IC403	YD766A00	IC	ISL85033IRTZ-T	DC-DC CONVERTER		05
* IC404	YF015A00	IC	LT3505EDD#TRPBF	DC-DC CONVERTER		
IC405	X2600A0R	IC	NJM78M12DL1A(TE1)	REGULATOR +12V		02
IC406	X2593A0R	IC	NJM79M12DL1A(TE1)	REGULATOR -12V		02
* IC500	YF575A00	IC	BD2232G-GTR	HIGH SIDE SWITCH		
* IC501	YF575A00	IC	BD2232G-GTR	HIGH SIDE SWITCH		
IC502	YD546A00	IC	UPD720150GK-9EU-A	USB CONTROLLER		09
IC503	X4063A00	IC	TC7WHU04FU	INVERTER		
IC504	X6356B00	IC	YGV628B-VZ	RGB CONTROLLER AVDP7		11
IC505	YC486A00	IC	GL852G-MNG03	USB 2.0 MTT HUB CONTROLLER		04
IC508	X7703A00	IC	TC7WT126FU(TE12L,F)	BUFFER		02
IC509	X2590C00	IC	W9816G6IH-7	SDRAM 16Mbit		04
* IC510	YF575A00	IC	BD2232G-GTR	HIGH SIDE SWITCH		
* IC511	YF117A00	IC	BU8254KVT-E2	LVDS TRANSMITTER		
IC700	X8940A00	IC	T6TJ3XBG-0001(O)	SWP51L		09
IC701	X8940A00	IC	T6TJ3XBG-0001(O)	SWP51L		09
* IC702	YF245B00	IC	S29GL01GS10TFI020	WAVE ROM H0 1Gbit		
* IC703	YF246B00	IC	S29GL01GS10TFI020	WAVE ROM H1 1Gbit		
* IC704	YF247B00	IC	S29GL01GS10TFI020	WAVE ROM H2 1Gbit		
IC705	X3693A00	IC	SN74LV245APWR	TRANSCEIVER		
-710	X3693A00	IC	SN74LV245APWR	TRANSCEIVER		
IC711	XV893A0R	IC	TC74VHC139FT(EL)	DECODER		02
IC712	X3693A00	IC	SN74LV245APWR	TRANSCEIVER		
-715	X3693A00	IC	SN74LV245APWR	TRANSCEIVER		
* IC716	YF248B00	IC	S29GL01GS10TFI020	WAVE ROM L0 1Gbit		
* IC717	YF249B00	IC	S29GL01GS10TFI020	WAVE ROM L1 1Gbit		
* IC718	YF250B00	IC	S29GL01GS10TFI020	WAVE ROM L2 1Gbit		
IC719	X3693A00	IC	SN74LV245APWR	TRANSCEIVER		
IC720	X3693A00	IC	SN74LV245APWR	TRANSCEIVER		
IC900	XW814A00	IC	TC7SET32FU(TE85L,F)	OR		
IC901	YA492A00	IC	GTL2002DP	TRANSLATOR		
IC904	--	IC	UPD800500F1-011-KN	SSP2 (YC706A0)		
IC906	X2590C00	IC	W9816G6IH-7	SDRAM 16Mbit		04
* IC907	YF251B00	IC	MX29LV160DBTI-70G	PROGRAM ROM 16Mbit		
IC911	YD933A00	IC	RP131H151D-T1-FE	REGULATOR +1.5V		01
K700	WU107200	THROUGH HOLE TAP	TH-0.8-8.0-M4	スルーホールタッ		03
K701	WU107200	THROUGH HOLE TAP	TH-0.8-8.0-M4	スルーホールタッ		03
L100	WK139000	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ		01
-105	WK139000	CHIP INDUCTANCE	600 BK1005HM601-T	チップインダクタ		01

*: New Parts

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REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
L109	WK139000	CHIP INDUCTANCE	600 BK1005HM601-T	チ ッ プ イ ン ダ ク タ		01
L110	WK139000	CHIP INDUCTANCE	600 BK1005HM601-T	チ ッ プ イ ン ダ ク タ		01
L112	WK139000	CHIP INDUCTANCE	600 BK1005HM601-T	チ ッ プ イ ン ダ ク タ		01
-124	WK139000	CHIP INDUCTANCE	600 BK1005HM601-T	チ ッ プ イ ン ダ ク タ		01
L500	WT761600	CHIP COIL	DLW31SN222SQ2 32	チ ッ プ チ ョ ー ク コ イ ル		02
-503	WT761600	CHIP COIL	DLW31SN222SQ2 32	チ ッ プ チ ョ ー ク コ イ ル		02
L504	WM459400	CHIP INDUCTANCE	BLM18PG121SN1D 160	チ ッ プ イ ン ダ ク タ		01
L505	WM459400	CHIP INDUCTANCE	BLM18PG121SN1D 160	チ ッ プ イ ン ダ ク タ		01
L506	WG834800	COIL	DLW21HN900SQ2L	コ イ ル		01
L507	WM459400	CHIP INDUCTANCE	BLM18PG121SN1D 160	チ ッ プ イ ン ダ ク タ		01
L508	WG834800	COIL	DLW21HN900SQ2L	コ イ ル		01
-511	WG834800	COIL	DLW21HN900SQ2L	コ イ ル		01
L512	WM459400	CHIP INDUCTANCE	BLM18PG121SN1D 160	チ ッ プ イ ン ダ ク タ		01
-514	WM459400	CHIP INDUCTANCE	BLM18PG121SN1D 160	チ ッ プ イ ン ダ ク タ		01
L900	WK139000	CHIP INDUCTANCE	600 BK1005HM601-T	チ ッ プ イ ン ダ ク タ		01
-905	WK139000	CHIP INDUCTANCE	600 BK1005HM601-T	チ ッ プ イ ン ダ ク タ		01
L1000	WK139000	CHIP INDUCTANCE	600 BK1005HM601-T	チ ッ プ イ ン ダ ク タ		01
-1002	WK139000	CHIP INDUCTANCE	600 BK1005HM601-T	チ ッ プ イ ン ダ ク タ		01
L1300	--	CHIP INDUCTANCE	BLM18KG121TN1D	チ ッ プ イ ン ダ ク タ	(ZE06570)	
L1301	WM459400	CHIP INDUCTANCE	BLM18PG121SN1D 160	チ ッ プ イ ン ダ ク タ		01
L1302	--	CHIP INDUCTANCE	BLM18KG121TN1D	チ ッ プ イ ン ダ ク タ	(ZE06570)	
L1303	--	CHIP INDUCTANCE	BLM18KG121TN1D	チ ッ プ イ ン ダ ク タ	(ZE06570)	
L1304	WZ556000	CHIP INDUCTANCE	7.5U DER7052-7R5N	チ ッ プ イ ン ダ ク タ		01
L1307	WZ556000	CHIP INDUCTANCE	7.5U DER7052-7R5N	チ ッ プ イ ン ダ ク タ		01
L1308	WZ556000	CHIP INDUCTANCE	7.5U DER7052-7R5N	チ ッ プ イ ン ダ ク タ		01
L1309	--	CHIP INDUCTANCE	BLM18KG121TN1D	チ ッ プ イ ン ダ ク タ	(ZE06570)	
L1310	--	CHIP INDUCTANCE	22U DER7052-220M-R	チ ッ プ イ ン ダ ク タ	(WZ55620)	
L1311	--	CHIP INDUCTANCE	BLM18KG121TN1D	チ ッ プ イ ン ダ ク タ	(ZE06570)	
L1312	WM459400	CHIP INDUCTANCE	BLM18PG121SN1D 160	チ ッ プ イ ン ダ ク タ		01
R101	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R102	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R103	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		
R104	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R105	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ッ プ 抵 抗		01
-110	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ッ プ 抵 抗		01
R111	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R112	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R115	RD454100	CARBON RESISTOR (CHIP)	10.0 63M J RECT.	チ ッ プ 抵 抗		01
R116	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R117	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ ッ プ 抵 抗		01
R118	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ッ プ 抵 抗		01
R119	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R120	RD45547R	CARBON RESISTOR (CHIP)	470.0 63M J RECT.	チ ッ プ 抵 抗		01
R121	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R122	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R123	RD455680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ プ 抵 抗		
R125	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R126	RD454330	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チ ッ プ 抵 抗		
R127	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		
R128	RD456560	CARBON RESISTOR (CHIP)	5.6K 63M J RECT.	チ ッ プ 抵 抗		
R129	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R130	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ッ プ 抵 抗		01
R131	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ッ プ 抵 抗		01
R132	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		
R133	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ッ プ 抵 抗		01
R134	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ ッ プ 抵 抗		01
-139	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ ッ プ 抵 抗		01
R140	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ッ プ 抵 抗		01
-144	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ッ プ 抵 抗		01
R145	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ ッ プ 抵 抗		01
-152	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ ッ プ 抵 抗		01
R153	RD454330	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チ ッ プ 抵 抗		
R154	RD454330	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チ ッ プ 抵 抗		
R155	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		
R157	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ ッ プ 抵 抗		01
R158	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ ッ プ 抵 抗		01
R160	RA156560	METAL FILM RESISTOR (CHIP)	5.6K 63M D RECT.	チ ッ プ 金 被 抵 抗		01
R161	RA156220	METAL FILM RESISTOR (CHIP)	2.2K 63M D RECT.	チ ッ プ 金 被 抵 抗		01
R162	RA155470	METAL FILM RESISTOR (CHIP)	470.0 63M D RECT.	チ ッ プ 金 被 抵 抗		01
R163	RD45747R	CARBON RESISTOR (CHIP)	47.0K 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
R164	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-166	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R167	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R168	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R169	RD458470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R170	RD456390	CARBON RESISTOR (CHIP)	3.9K 63M J RECT.	チ	ッ	ブ 抵 抗		
R171	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R172	RD458470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R173	RD458470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R174	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-182	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R184	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-191	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R192	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R193	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R194	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R195	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R196	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R197	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R198	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R199	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R200	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R201	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R202	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-204	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R205	RD458470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R206	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R207	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R208	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R210	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-212	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R213	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R214	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R215	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R216	RD454330	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R217	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R219	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R220	RD45522R	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R221	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
-223	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R224	RD45522R	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R225	RD45522R	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R226	RD454330	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R227	RD455680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R230	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R231	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R232	RD15447R	CARBON RESISTOR (CHIP)	47.0 1/4 J TP	チ	ッ	ブ 抵 抗		01
R233	RD15447R	CARBON RESISTOR (CHIP)	47.0 1/4 J TP	チ	ッ	ブ 抵 抗		01
R234	RD45522R	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R235	RD45522R	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R236	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R237	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
-242	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R243	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R244	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R246	RD458470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
-248	RD458470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R249	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R250	RD45522R	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-255	RD45522R	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R256	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R257	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R258	RD45547R	CARBON RESISTOR (CHIP)	470.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R260	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R261	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R262	RD15447R	CARBON RESISTOR (CHIP)	47.0 1/4 J TP	チ	ッ	ブ 抵 抗		01
R263	RD15447R	CARBON RESISTOR (CHIP)	47.0 1/4 J TP	チ	ッ	ブ 抵 抗		01
R264	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R265	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R268	RD45522R	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ	ッ	ブ 抵 抗		01

*: New Parts

RANK: Japan only

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REF NO.	PART NO.	DESCRIPTION	部	品	名	REMARKS	QTY	RANK
R269	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R270	RD456220	CARBON RESISTOR (CHIP)	2.2K 63M J RECT.	チ	ッ	ブ 抵 抗		
R271	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
-273	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R274	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R300	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R301	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R302	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R303	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R304	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R305	RD454220	CARBON RESISTOR (CHIP)	22.0 63M J RECT.	チ	ッ	ブ 抵 抗		
-310	RD454220	CARBON RESISTOR (CHIP)	22.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R311	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-324	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R327	RD456220	CARBON RESISTOR (CHIP)	2.2K 63M J RECT.	チ	ッ	ブ 抵 抗		
R328	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
-333	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R334	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-342	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R343	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
-345	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R346	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-372	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R373	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R374	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-382	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R383	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R384	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
-386	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R501	RD355100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R502	RD45518R	CARBON RESISTOR (CHIP)	180.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-509	RD45518R	CARBON RESISTOR (CHIP)	180.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R510	RD355100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R512	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R514	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R515	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R516	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R519	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R520	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R521	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R522	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R523	RD454820	CARBON RESISTOR (CHIP)	82.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R524	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-528	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R529	RD456560	CARBON RESISTOR (CHIP)	5.6K 63M J RECT.	チ	ッ	ブ 抵 抗		
R530	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R531	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R532	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-534	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R535	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R536	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R537	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R538	RD459100	CARBON RESISTOR (CHIP)	1.0M 63M J RECT.	チ	ッ	ブ 抵 抗		
R539	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R540	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R541	RD454330	CARBON RESISTOR (CHIP)	33.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R542	RD454470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R543	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R544	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R545	RF45616R	CARBON RESISTOR (CHIP)	1.6K D RECT.	チ	ッ	ブ 抵 抗		01
R547	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R548	RD455680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R549	RA156680	METAL FILM RESISTOR (CHIP)	6.8K 63M D RECT.	チ	ッ	ブ 金 被 抵 抗		01
R551	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R552	RF455680	CARBON RESISTOR (CHIP)	680.0 D RECT.	チ	ッ	ブ 抵 抗		
R553	RD454470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R554	RD454470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R555	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R556	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R557	RF455100	CARBON RESISTOR (CHIP)	100.0 D RECT.	チ	ッ	ブ 抵 抗		

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RANK: Japan only

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REF NO.	PART NO.	DESCRIPTION	部	品	名	REMARKS	QTY	RANK
R558	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R559	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R560	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R561	RF455100	CARBON RESISTOR (CHIP)	100.0 D RECT.	チ	ッ	ブ 抵 抗		
R562	RD458100	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R563	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R564	RF454750	CARBON RESISTOR (CHIP)	75.0 D RECT.	チ	ッ	ブ 抵 抗		
R565	RD355150	CARBON RESISTOR (CHIP)	150.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R566	RF454750	CARBON RESISTOR (CHIP)	75.0 D RECT.	チ	ッ	ブ 抵 抗		
R567	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R568	RF454820	CARBON RESISTOR (CHIP)	82.0 D RECT.	チ	ッ	ブ 抵 抗		
R569	RF454750	CARBON RESISTOR (CHIP)	75.0 D RECT.	チ	ッ	ブ 抵 抗		
R570	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R573	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R574	RF454820	CARBON RESISTOR (CHIP)	82.0 D RECT.	チ	ッ	ブ 抵 抗		
R575	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R576	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R580	RD455100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R581	RD15433R	CARBON RESISTOR (CHIP)	33.0 1/4 J TP	チ	ッ	ブ 抵 抗		01
R582	RD15433R	CARBON RESISTOR (CHIP)	33.0 1/4 J TP	チ	ッ	ブ 抵 抗		01
R584	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ	ッ	ブ 抵 抗		
R585	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ	ッ	ブ 抵 抗		
R587	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ	ッ	ブ 抵 抗		
-590	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ	ッ	ブ 抵 抗		
R592	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
-596	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R597	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R598	RD454220	CARBON RESISTOR (CHIP)	22.0 63M J RECT.	チ	ッ	ブ 抵 抗		
-601	RD454220	CARBON RESISTOR (CHIP)	22.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R602	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
-606	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R607	RD456220	CARBON RESISTOR (CHIP)	2.2K 63M J RECT.	チ	ッ	ブ 抵 抗		
R700	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R701	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R702	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R705	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-722	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R723	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R724	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R725	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R726	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R730	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R731	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R732	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R733	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R734	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R735	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R736	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R737	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R738	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R739	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R740	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R745	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R746	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R747	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R748	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R749	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R755	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R756	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R757	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-759	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R760	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R761	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R762	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-764	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R765	RD454220	CARBON RESISTOR (CHIP)	22.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R766	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-774	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R775	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R776	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01

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RANK: Japan only

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REF NO.	PART NO.	DESCRIPTION	部	品	名	REMARKS	QTY	RANK
R777	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-779	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R780	RD459100	CARBON RESISTOR (CHIP)	1.0M 63M J RECT.	チ	ッ	ブ 抵 抗		
R781	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R782	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R783	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R784	RD45615R	CARBON RESISTOR (CHIP)	1.5K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R785	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R786	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R787	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R788	RD45427R	CARBON RESISTOR (CHIP)	27.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R792	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R793	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R794	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R795	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R796	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R797	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R798	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R799	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R800	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R801	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-804	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R809	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
-812	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R813	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-816	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R817	RD354680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R900	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-902	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R903	RD458220	CARBON RESISTOR (CHIP)	220.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R904	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
-906	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R907	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
-909	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R910	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-918	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R919	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R920	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-923	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R924	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R925	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R926	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-933	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R934	RD455100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R935	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
-945	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R948	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R949	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R950	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R951	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R952	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
-954	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R955	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R956	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R957	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R958	RD458470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R960	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R961	RD45547R	CARBON RESISTOR (CHIP)	470.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R964	RD45615R	CARBON RESISTOR (CHIP)	1.5K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R965	RD45615R	CARBON RESISTOR (CHIP)	1.5K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R966	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
-968	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R969	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R970	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R971	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R972	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R973	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ	ッ	ブ 抵 抗		01
R974	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ	ッ	ブ 抵 抗		01
R975	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R976	RD456180	CARBON RESISTOR (CHIP)	1.8K 63M J RECT.	チ	ッ	ブ 抵 抗		01

*: New Parts

RANK: Japan only

DM

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
R977	RD456180	CARBON RESISTOR (CHIP)	1.8K 63M J RECT.	チ ツ プ 抵 抗		01
R1000	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ツ プ 抵 抗		01
-1003	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ツ プ 抵 抗		01
R1004	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ ツ プ 抵 抗		01
R1005	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ツ プ 抵 抗		01
R1006	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ツ プ 抵 抗		01
R1007	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ ツ プ 抵 抗		01
-1010	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チ ツ プ 抵 抗		01
R1019	RD356121	CARBON RESISTOR (CHIP)	1.2K 63M J RECT.	チ ツ プ 抵 抗		01
R1020	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
-1023	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1024	RD456220	CARBON RESISTOR (CHIP)	2.2K 63M J RECT.	チ ツ プ 抵 抗		
-1027	RD456220	CARBON RESISTOR (CHIP)	2.2K 63M J RECT.	チ ツ プ 抵 抗		
R1028	RD456390	CARBON RESISTOR (CHIP)	3.9K 63M J RECT.	チ ツ プ 抵 抗		
-1035	RD456390	CARBON RESISTOR (CHIP)	3.9K 63M J RECT.	チ ツ プ 抵 抗		
R1036	RD457120	CARBON RESISTOR (CHIP)	12.0K 63M J RECT.	チ ツ プ 抵 抗		
-1041	RD457120	CARBON RESISTOR (CHIP)	12.0K 63M J RECT.	チ ツ プ 抵 抗		
R1042	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1043	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1044	RD457120	CARBON RESISTOR (CHIP)	12.0K 63M J RECT.	チ ツ プ 抵 抗		
R1045	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1046	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1047	RD457120	CARBON RESISTOR (CHIP)	12.0K 63M J RECT.	チ ツ プ 抵 抗		
R1048	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1049	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1050	RD457120	CARBON RESISTOR (CHIP)	12.0K 63M J RECT.	チ ツ プ 抵 抗		
R1051	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1052	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1053	RD457120	CARBON RESISTOR (CHIP)	12.0K 63M J RECT.	チ ツ プ 抵 抗		
R1054	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1055	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1056	RD457120	CARBON RESISTOR (CHIP)	12.0K 63M J RECT.	チ ツ プ 抵 抗		
R1057	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1058	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1059	RD457120	CARBON RESISTOR (CHIP)	12.0K 63M J RECT.	チ ツ プ 抵 抗		
R1060	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
-1063	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1064	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ツ プ 抵 抗		
R1065	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ツ プ 抵 抗		
R1066	RD456220	CARBON RESISTOR (CHIP)	2.2K 63M J RECT.	チ ツ プ 抵 抗		
R1067	RD455100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ツ プ 抵 抗		
-1072	RD455100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ツ プ 抵 抗		
R1073	RD456470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ツ プ 抵 抗		
R1074	RD458100	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チ ツ プ 抵 抗		
-1079	RD458100	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チ ツ プ 抵 抗		
R1080	RD356121	CARBON RESISTOR (CHIP)	1.2K 63M J RECT.	チ ツ プ 抵 抗		01
R1081	RD45522R	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ ツ プ 抵 抗		01
-1083	RD45522R	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ ツ プ 抵 抗		01
R1089	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ツ プ 抵 抗		01
R1090	RD455100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ツ プ 抵 抗		
R1091	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ツ プ 抵 抗		01
-1096	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ツ プ 抵 抗		01
R1097	RD455100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ツ プ 抵 抗		
R1098	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ツ プ 抵 抗		01
-1105	RD454680	CARBON RESISTOR (CHIP)	68.0 63M J RECT.	チ ツ プ 抵 抗		01
R1300	RD457330	CARBON RESISTOR (CHIP)	33.0K 63M J RECT.	チ ツ プ 抵 抗		01
R1301	RD45747R	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ ツ プ 抵 抗		01
R1302	RD359220	CARBON RESISTOR (CHIP)	2.2M 63M J RECT.	チ ツ プ 抵 抗		
R1303	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ツ プ 抵 抗		
R1304	RA157910	METAL FILM RESISTOR (CHIP)	91.0K 63M D RECT.	チ ツ プ 金 被 抵 抗		01
R1305	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ツ プ 抵 抗		
R1306	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ツ プ 抵 抗		
R1307	--	CARBON RESISTOR (CHIP)	24.0K 63M J RECT.	チ ツ プ 抵 抗	(RD45724)	
R1308	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ツ プ 抵 抗		
R1309	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ツ プ 抵 抗		
R1310	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ツ プ 抵 抗		
R1313	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ツ プ 抵 抗		
R1315	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ツ プ 抵 抗		
R1316	RA156330	METAL FILM RESISTOR (CHIP)	3.3K 63M D RECT.	チ ツ プ 金 被 抵 抗		01
R1320	RA157510	METAL FILM RESISTOR (CHIP)	51.0K 63M D RECT.	チ ツ プ 金 被 抵 抗		01

*: New Parts

RANK: Japan only

DM

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY	RANK
R1321	RA157100	METAL FILM RESISTOR (CHIP)	10.0K 63M D RECT.	チ ッ プ 金 被 抵 抗			01
R1322	RD458150	CARBON RESISTOR (CHIP)	150.0K 63M J RECT.	チ ッ プ 抵 抗			01
R1324	RD458100	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チ ッ プ 抵 抗			
R1327	RD458100	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チ ッ プ 抵 抗			
R1328	RA157100	METAL FILM RESISTOR (CHIP)	10.0K 63M D RECT.	チ ッ プ 金 被 抵 抗			01
R1329	RA157270	METAL FILM RESISTOR (CHIP)	27.0K 63M D RECT.	チ ッ プ 金 被 抵 抗			01
R1330	RA156470	METAL FILM RESISTOR (CHIP)	4.7K 63M D RECT.	チ ッ プ 金 被 抵 抗			01
R1331	RD457100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗			
R1332	RD458100	CARBON RESISTOR (CHIP)	100.0K 63M J RECT.	チ ッ プ 抵 抗			
R1333	RA157820	METAL FILM RESISTOR (CHIP)	82.0K 63M D RECT.	チ ッ プ 金 被 抵 抗			01
R1334	RF458150	CARBON RESISTOR (CHIP)	150.0K D RECT.	チ ッ プ 抵 抗			01
R1335	RF457180	CARBON RESISTOR (CHIP)	18.0K D RECT.	チ ッ プ 抵 抗			
R1336	RF457100	CARBON RESISTOR (CHIP)	10.0K D RECT.	チ ッ プ 抵 抗			
R1337	RD45522R	CARBON RESISTOR (CHIP)	220.0 63M J RECT.	チ ッ プ 抵 抗			01
RA101	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
-111	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
RA114	WH213400	RESISTOR ARRAY	47K X 4	抵 抗 ア レ イ			01
RA115	WH213400	RESISTOR ARRAY	47K X 4	抵 抗 ア レ イ			01
RA116	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
-125	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
RA126	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
-131	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
RA140	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
-143	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
RA150	WH211800	RESISTOR ARRAY	10K X 4	抵 抗 ア レ イ			01
RA151	WH211800	RESISTOR ARRAY	10K X 4	抵 抗 ア レ イ			01
RA152	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
-155	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
RA161	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
-164	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
RA200	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
-221	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
RA300	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
-315	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
RA316	WH216700	RESISTOR ARRAY	0 X 4	抵 抗 ア レ イ			01
-318	WH216700	RESISTOR ARRAY	0 X 4	抵 抗 ア レ イ			01
RA319	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
-326	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
RA327	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
-329	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
RA330	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
-333	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
RA334	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
-336	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
RA337	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
-340	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
RA341	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
-343	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
RA344	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
-347	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
RA348	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
-350	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
RA351	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
RA352	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
RA353	WH206000	RESISTOR ARRAY	39 X 4	抵 抗 ア レ イ			01
RA354	WH206000	RESISTOR ARRAY	39 X 4	抵 抗 ア レ イ			01
RA355	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
-357	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
RA358	WH206000	RESISTOR ARRAY	39 X 4	抵 抗 ア レ イ			01
RA359	WH206000	RESISTOR ARRAY	39 X 4	抵 抗 ア レ イ			01
RA500	WH207400	RESISTOR ARRAY	150 X 4	抵 抗 ア レ イ			01
-503	WH207400	RESISTOR ARRAY	150 X 4	抵 抗 ア レ イ			01
RA504	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
-512	WH205600	RESISTOR ARRAY	27 X 4	抵 抗 ア レ イ			
RA513	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
-519	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
RA520	WH211800	RESISTOR ARRAY	10K X 4	抵 抗 ア レ イ			01
-524	WH211800	RESISTOR ARRAY	10K X 4	抵 抗 ア レ イ			01
RA706	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01
-719	WH206600	RESISTOR ARRAY	68 X 4	抵 抗 ア レ イ			01

*: New Parts

RANK: Japan only

DM and LCL/LCR

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY	RANK
RA721	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
-739	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
RA747	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
-754	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
RA761	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
-764	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
RA765	WH213400	RESISTOR ARRAY	47K X 4	抵抗 ア レ イ			01
-768	WH213400	RESISTOR ARRAY	47K X 4	抵抗 ア レ イ			01
RA769	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
-797	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
RA805	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
-812	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
RA813	WH213400	RESISTOR ARRAY	47K X 4	抵抗 ア レ イ			01
-816	WH213400	RESISTOR ARRAY	47K X 4	抵抗 ア レ イ			01
RA817	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
-830	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
RA900	WH213400	RESISTOR ARRAY	47K X 4	抵抗 ア レ イ			01
-903	WH213400	RESISTOR ARRAY	47K X 4	抵抗 ア レ イ			01
RA904	WH211800	RESISTOR ARRAY	10K X 4	抵抗 ア レ イ			01
RA905	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
-912	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
RA913	WH211800	RESISTOR ARRAY	10K X 4	抵抗 ア レ イ			01
RA914	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
-917	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
RA922	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
-929	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
RA930	WH205400	RESISTOR ARRAY	22 X 4	抵抗 ア レ イ			01
-933	WH205400	RESISTOR ARRAY	22 X 4	抵抗 ア レ イ			01
RA934	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
-951	WH206600	RESISTOR ARRAY	68 X 4	抵抗 ア レ イ			01
RA952	WH213400	RESISTOR ARRAY	47K X 4	抵抗 ア レ イ			01
-955	WH213400	RESISTOR ARRAY	47K X 4	抵抗 ア レ イ			01
TA500	V273190R	TRANSISTOR (PAIR)	IMX9	ペア ト ラ ン ジ ス タ			01
* X103	ZF320500	QUARTZ CRYSTAL UNIT	32.768K DSO321SR	水晶 発 振 器			
X104	ZC596700	QUARTZ CRYSTAL UNIT	20.000MHz SG-9001LB	水晶 発 振 器			07
* X501	ZG609200	QUARTZ CRYSTAL UNIT	24.000MHz SG-9001LB	水晶 発 振 器			
X502	WH521200	QUARTZ CRYSTAL UNIT	SG-310SCF 48MHz	水晶 振 動 器			04
X503	WQ282500	QUARTZ CRYSTAL UNIT	25.175MHz DSX321G	水晶 振 動 子			03
X504	WG415900	QUARTZ CRYSTAL UNIT	DSX321G 30MHz	水晶 振 動 子			03
X506	WK192600	QUARTZ CRYSTAL UNIT	12MHz DSX321G	水晶 振 動 子			
X700	WM135300	QUARTZ CRYSTAL UNIT	11.2896MHz DSX321G	水晶 振 動 子			03
X900	WV566200	QUARTZ CRYSTAL UNIT	12.288MHz DSX321G	水晶 振 動 子			02
* *	ZE997500	CIRCUIT BOARD	LCL	L C L シ ー ト	(ZE99630)(YF079D0)		
* *	ZE997400	CIRCUIT BOARD	LCR	L C R シ ー ト	(ZE99630)(YF079D0)		
C100	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップ セラ (B)			
C101	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップ セラ (B J)			01
-105	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップ セラ (B J)			01
C106	WH046600	MONOLITHIC CERAMIC CAP(CHIP)	47 16V K 3225	チップ 積層セラコン			03
C107	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップ セラ (B J)			01
-112	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップ セラ (B J)			01
C113	US664100	CERAMIC CAPACITOR (CHIP)	0.010 50V Z RECT.	チップ セラ (F)			
C114	US664100	CERAMIC CAPACITOR (CHIP)	0.010 50V Z RECT.	チップ セラ (F)			
C115	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップ セラ (B J)			01
-118	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップ セラ (B J)			01
C119	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ 積層セラコン			01
C120	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップ セラ (B J)			01
C121	US661680	CERAMIC CAPACITOR (CHIP)	68P 50V J RECT.	チップ セラ (C H)			
C122	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップ セラ (B J)			01
C123	US661680	CERAMIC CAPACITOR (CHIP)	68P 50V J RECT.	チップ セラ (C H)			
-133	US661680	CERAMIC CAPACITOR (CHIP)	68P 50V J RECT.	チップ セラ (C H)			
C134	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ 積層セラコン			01
C137	US661680	CERAMIC CAPACITOR (CHIP)	68P 50V J RECT.	チップ セラ (C H)			
-142	US661680	CERAMIC CAPACITOR (CHIP)	68P 50V J RECT.	チップ セラ (C H)			
C143	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チップ セラ (B)			
C144	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップ セラ (B J)			01
-149	US625100	CERAMIC CAPACITOR (CHIP)	0.100 10V K RECT.	チップ セラ (B J)			01
C150	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チップ 積層セラコン			01
C151	US661150	CERAMIC CAPACITOR (CHIP)	15P 50V J RECT.	チップ セラ (C H)			01
CN100	WT729200	CONNECTOR	SHLD 20P SE	コネクタ ベース ポスト			03

*: New Parts

RANK: Japan only

LCL/LCR and MIC/PNL/SP1/SP2/VOL

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY	RANK
CN101	ZA141000	FFC/FPC CONNECTOR	FLZ 40 SE	F F C / F P C コネクター			03
CN200	VZ991900	FFC CONNECTOR	52207 6P SE	F F C コネクター			01
CN300	VZ991900	FFC CONNECTOR	52207 6P SE	F F C コネクター			01
CN301	VZ24920R	CONNECTOR	52207-0885 8P	コネクター			02
D200	WC398800	DIODE	KDS160-RTK/P TP	ダイオード			
-205	WC398800	DIODE	KDS160-RTK/P TP	ダイオード			
D200	WG139300	DIODE	KDS4148U-RTK/P TE	ダイオード			
-205	WG139300	DIODE	KDS4148U-RTK/P TE	ダイオード			
D200	WW783900	DIODE	1SS355VM	ダイオード			01
-205	WW783900	DIODE	1SS355VM	ダイオード			01
D300	WC398800	DIODE	KDS160-RTK/P TP	ダイオード			
-307	WC398800	DIODE	KDS160-RTK/P TP	ダイオード			
D300	WG139300	DIODE	KDS4148U-RTK/P TE	ダイオード			
-307	WG139300	DIODE	KDS4148U-RTK/P TE	ダイオード			
D300	WW783900	DIODE	1SS355VM	ダイオード			01
-307	WW783900	DIODE	1SS355VM	ダイオード			01
* IC100	YF118A00	IC	BU90R104-E2	LVDS RECEIVER			
L100	WM459400	CHIP INDUCTANCE	BLM18PG121SN1D 160	チップインダクタ			01
L101	WT761600	CHIP COIL	DLW31SN222SQ2 32	チップチョークコイル			02
-104	WT761600	CHIP COIL	DLW31SN222SQ2 32	チップチョークコイル			02
L105	WM459400	CHIP INDUCTANCE	BLM18PG121SN1D 160	チップインダクタ			01
L106	WM459400	CHIP INDUCTANCE	BLM18PG121SN1D 160	チップインダクタ			01
L107	VY657600	CHIP INDUCTANCE	240 BK1608LL241-T	チップインダクタ			
L108	WM459400	CHIP INDUCTANCE	BLM18PG121SN1D 160	チップインダクタ			01
-113	WM459400	CHIP INDUCTANCE	BLM18PG121SN1D 160	チップインダクタ			01
L300	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			
-307	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗			
R100	RA154470	METAL FILM RESISTOR (CHIP)	47.0 63M D RECT.	チップ金被抵抗			01
-107	RA154470	METAL FILM RESISTOR (CHIP)	47.0 63M D RECT.	チップ金被抵抗			01
R108	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
-111	RD45000R	CARBON RESISTOR (CHIP)	0.00 63M J RECT.	チップ抵抗			01
R112	RD455100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			
R113	RD455100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			
R114	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			
R115	RD455100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			
R116	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			
R117	RD455100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			
-130	RD455100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チップ抵抗			
R131	RD454470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
-133	RD454470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チップ抵抗			01
R134	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			
R135	RD456100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チップ抵抗			
SW200	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ A			01
SW201	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ B			01
SW202	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ C			01
SW203	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ D			01
SW204	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ E			01
SW205	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ F	DIRECT ACCESS		01
SW300	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ G	TAB ◁		01
SW301	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ H	TAB ◁		01
SW302	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ I			01
SW303	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ J			01
SW304	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ K			01
SW305	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ L			01
SW306	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ M			01
SW307	VU435300	SWITCH SKHMPS	SKHMQKE010	タクトスイッチ N	EXIT		01
* C1	ZE996900	CIRCUIT BOARD	MIC	M I C シート	(ZE99470)(YF076C0)		
* C1	ZE996600	CIRCUIT BOARD	PNL	P N L シート	(ZE99470)(YF076C0)		
* C1	ZE997000	CIRCUIT BOARD	PS1	P S 1 シート	(ZE99470)(YF076C0)		
* C1	ZE997100	CIRCUIT BOARD	PS2	P S 2 シート	(ZE99470)(YF076C0)		
* C1	ZE996700	CIRCUIT BOARD	VOL	V O L シート	(ZE99470)(YF076C0)		
C1	V964210R	LED SPACER	LH-5-9.5	L E D スペース		6	01
-10	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラミック			
-10	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラミック			
C1	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラミック (F)			
-10	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チップセラミック (F)			
C11	UF118330	ELECTROLYTIC CAPACITOR(CHIP)	330 6.3V	チップケミコン			
C12	UF038100	ELECTROLYTIC CAPACITOR(CHIP)	100 16V	チップケミコン			
C13	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チップセラミック			

*: New Parts

RANK: Japan only

MIC/PNL/SP1/SP2/VOL

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
C13	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C14	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C14	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C16	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C16	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C19	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C22	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C22	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C24	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C31	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C35	UF12822R	ELECTROLYTIC CAPACITOR(CHIP)	220 10V	チ ャ ッ プ ケ ミ コ ン		01
C39	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C39	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C42	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C42	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C45	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C45	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C47	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C48	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C49	WD758300	CERAMIC CAPACITOR (CHIP)	10U 10V K RECT.	チ ャ ッ プ セ ラ		
C50	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C52	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C52	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C53	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C53	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C54	WD758300	CERAMIC CAPACITOR (CHIP)	10U 10V K RECT.	チ ャ ッ プ セ ラ		
C55	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
-63	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C55	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
-63	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C64	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ャ ッ プ セ ラ (S L)		01
-66	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ャ ッ プ セ ラ (S L)		01
C67	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C67	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C68	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ャ ッ プ セ ラ (S L)		01
-80	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ャ ッ プ セ ラ (S L)		01
C81	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C81	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C82	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C83	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C84	WD758300	CERAMIC CAPACITOR (CHIP)	10U 10V K RECT.	チ ャ ッ プ セ ラ		
C85	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ャ ッ プ セ ラ (B)		
-87	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C88	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C89	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C89	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C90	WD758300	CERAMIC CAPACITOR (CHIP)	10U 10V K RECT.	チ ャ ッ プ セ ラ		
C91	US061330	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チ ャ ッ プ セ ラ (C H)		
C92	US061330	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チ ャ ッ プ セ ラ (C H)		
C93	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ャ ッ プ セ ラ (S L)		01
C94	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ャ ッ プ セ ラ (S L)		01
C95	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C95	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C96	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C98	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C98	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C99	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ャ ッ プ セ ラ (B)		
C100	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C100	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C101	UF118330	ELECTROLYTIC CAPACITOR(CHIP)	330 6.3V	チ ャ ッ プ ケ ミ コ ン		
C102	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C102	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C103	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C103	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
C104	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ャ ッ プ セ ラ (S L)		01
-115	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ャ ッ プ セ ラ (S L)		01
C116	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
-124	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ャ ッ プ セ ラ F		
C116	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		
-124	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ャ ッ プ セ ラ (F)		

*: New Parts

RANK: Japan only

MIC/PNL/SP1/SP2/VOL

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY	RANK
C125	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)			
C200	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F			
-202	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F			
C200	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)			
-202	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)			
CN1	WF45040R	FFC CONNECTOR	52807 8P SE	F F C コ ネ ク タ	(ZF24390)		01
CN2	WA521800	FFC CONNECTOR	52806 18P TE	F F C コ ネ ク タ			01
CN3	VB858600	CONNECTOR	PH 7P SE	ベ ー ス ポ ス ト			
CN4	WB560200	CONNECTOR	ZH 7P TE	ベ ー ス ビ ン			
CN200	--	CONNECTOR	GH 15P SE	ベ ー ス ビ ン			
CN201	WA47460R	FFC CONNECTOR	52807 18P SE	F F C コ ネ ク タ	(ZF24390)		01
CN202	--	CONNECTOR	GH 15P SE	ベ ー ス ビ ン			
CN203	VB858200	CONNECTOR	PH 3P SE	ベ ー ス ポ ス ト			
CN204	VB858400	CONNECTOR	PH 5P SE	ベ ー ス ポ ス ト			
CN205	VB858600	CONNECTOR	PH 7P SE	ベ ー ス ポ ス ト			
CN206	VB858300	CONNECTOR	PH 4P SE	ベ ー ス ポ ス ト			
CN207	VB858600	CONNECTOR	PH 7P SE	ベ ー ス ポ ス ト			
CN208	VB858400	CONNECTOR	PH 5P SE	ベ ー ス ポ ス ト			
D1	VT332900	DIODE	1SS355 TE-17 TP	ダ イ オ ー ド			
-76	VT332900	DIODE	1SS355 TE-17 TP	ダ イ オ ー ド			
D1	WC398800	DIODE	KDS160-RTK/P TP	ダ イ オ ー ド			
-76	WC398800	DIODE	KDS160-RTK/P TP	ダ イ オ ー ド			
D1	WG139300	DIODE	KDS4148U-RTK/P TE	ダ イ オ ー ド			
-76	WG139300	DIODE	KDS4148U-RTK/P TE	ダ イ オ ー ド			
D1	WW783900	DIODE	1SS355VM	ダ イ オ ー ド			01
-76	WW783900	DIODE	1SS355VM	ダ イ オ ー ド			01
D200	VT332900	DIODE	1SS355 TE-17 TP	ダ イ オ ー ド			
-209	VT332900	DIODE	1SS355 TE-17 TP	ダ イ オ ー ド			
D200	WC398800	DIODE	KDS160-RTK/P TP	ダ イ オ ー ド			
-209	WC398800	DIODE	KDS160-RTK/P TP	ダ イ オ ー ド			
D200	WG139300	DIODE	KDS4148U-RTK/P TE	ダ イ オ ー ド			
-209	WG139300	DIODE	KDS4148U-RTK/P TE	ダ イ オ ー ド			
D200	WW783900	DIODE	1SS355VM	ダ イ オ ー ド			01
-209	WW783900	DIODE	1SS355VM	ダ イ オ ー ド			01
EM1	WE05620R	EMI FILTER (CHIP)	NFM21PC105B1A3D	エ ミ フィ ル チ ッ プ			01
-4	WE05620R	EMI FILTER (CHIP)	NFM21PC105B1A3D	エ ミ フィ ル チ ッ プ	LSC2 E-PNS3a		01
FT1	ZA777500	FET	US6K4TR TAPE	F E T			01
-3	ZA777500	FET	US6K4TR TAPE	F E T			01
IC1	YF075B00	IC	TMP89FM42AUG	I C			05
IC2	YD841B00	IC	TMP89FW24AFG-7KH4	I C			
L1	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ ェ ラ イ ト ビ ー ズ			02
L2	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗			
L3	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗			
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
LD1	WV217100	LED BLUE	QSMR-C13S	チ ッ プ L E D	STYLE CONTROL (INTRO I)		01
LD2	WF300900	LED ORANGE	SML-512DW	チ ッ プ L E D	STYLE CONTROL (INTRO I)		01
LD3	WF300900	LED ORANGE	SML-512DW	チ ッ プ L E D	STYLE CONTROL (ACMP)		01
LD4	WR675200	LED RED	SLR-342VRTH7M	L E D	STYLE CONTROL (ACMP)		01
LD5	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	SONG (I)		
LD6	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	STYLE (POP & ROCK)		
LD7	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	STYLE (LATIN)		
LD8	WV217100	LED BLUE	QSMR-C13S	チ ッ プ L E D	STYLE CONTROL (INTRO II)		01
LD9	WF300900	LED ORANGE	SML-512DW	チ ッ プ L E D	STYLE CONTROL (INTRO II)		01
LD10	WR675200	LED RED	SLR-342VRTH7M	L E D	STYLE CONTROL (OTS LINK)		01
LD11	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	SONG (II)		
LD12	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	STYLE (BALLAD)		
LD13	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	STYLE (BALLROOM)		
LD14	VS079300	LED RED/GREEN	SPR-39MVWF	2 色 L E D	SONG (PLAY/PAUSE)		
LD15	WV217100	LED BLUE	QSMR-C13S	チ ッ プ L E D	STYLE CONTROL (INTRO III)		01
LD16	WF300900	LED ORANGE	SML-512DW	チ ッ プ L E D	STYLE CONTROL (INTRO III)		01
LD17	WR675200	LED RED	SLR-342VRTH7M	L E D	STYLE CONTROL (AUTO FILL IN)		01
LD18	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	SONG (III)		
LD19	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	STYLE (DANCE)		
LD20	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	STYLE (MOVIE & SHOW)		
LD21	WV217100	LED BLUE	QSMR-C13S	チ ッ プ L E D	STYLE CONTROL (MAIN VARIATION A)		01
LD22	WF300900	LED ORANGE	SML-512DW	チ ッ プ L E D	STYLE CONTROL (MAIN VARIATION A)		01
LD23	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	SONG (IV)		
LD24	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	STYLE (SWING & JAZZ)		
LD25	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	STYLE (ENTERTAINER)		

*: New Parts

RANK: Japan only

MIC/PNL/SP1/SP2/VOL

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY	RANK
LD26	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	STYLE CONTROL (MAIN VARIATION B)		01
LD27	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	STYLE CONTROL (MAIN VARIATION B)		01
* LD28	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	STYLE (R & B)		
* LD29	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	STYLE (WORLD)		
LD30	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	STYLE CONTROL (MAIN VARIATION C)		01
LD31	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	STYLE CONTROL (MAIN VARIATION C)		01
* LD32	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	STYLE (COUNTRY)		
* LD33	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	STYLE (FILE ACCESS)		
LD34	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	STYLE CONTROL (MAIN VARIATION D)		01
LD35	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	STYLE CONTROL (MAIN VARIATION D)		01
LD36	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	STYLE CONTROL (BRAKE)		01
LD37	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	STYLE CONTROL (BRAKE)		01
LD38	VS079300	LED RED/GREEN	SPR-39MVWF	2 色 L E D	SONG (SP 1)		
LD39	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	MULTI PAD CONTROL (1)		01
LD40	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	STYLE CONTROL (ENDING/rit. I)		01
LD41	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	STYLE CONTROL (ENDING/rit. I)		01
LD42	VS079300	LED RED/GREEN	SPR-39MVWF	2 色 L E D	SONG (SP 2)		
LD43	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	MULTI PAD CONTROL (2)		01
LD44	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	STYLE CONTROL (ENDING/rit. II)		01
LD45	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	STYLE CONTROL (ENDING/rit. II)		01
LD46	WR675200	LED RED	SLR-342VRTH7M	L E D	AUDIO RECORDER/PLAYER (REC)		01
LD47	VS079300	LED RED/GREEN	SPR-39MVWF	2 色 L E D	SONG (SP 3)		
LD48	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	MULTI PAD CONTROL (3)		01
LD49	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	STYLE CONTROL (ENDING/rit. III)		01
LD50	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	STYLE CONTROL (ENDING/rit. III)		01
LD51	VS079300	LED RED/GREEN	SPR-39MVWF	2 色 L E D	SONG (SP 4)		
LD52	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	MULTI PAD CONTROL (4)		01
LD53	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	STYLE CONTROL (SYNC STOP)		01
* LD54	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	AUDIO RECORDER/PLAYER (PLAY/PAUSE)		
* LD55	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	SONG (LOOP)		
LD56	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	STYLE CONTROL (SYNC START)		01
LD57	WR675200	LED RED	SLR-342VRTH7M	L E D	SONG (METRONOME)		01
LD58	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	STYLE CONTROL (START/STOP)		01
LD59	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	STYLE CONTROL (START/STOP)		01
LD60	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	MULTI PAD CONTROL (1)		01
LD61	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	MULTI PAD CONTROL (2)		01
LD62	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	MULTI PAD CONTROL (3)		01
LD63	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	MULTI PAD CONTROL (4)		01
* LD200	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	MIC (VOCAL HARMONY)		
* LD201	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	MIC (VOCAL EFFECT)		
LD202	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	ART.1		01
LD203	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	ART.1		01
* LD204	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	FADE IN/OUT		
* LD205	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	MIC (TALK)		
LD206	VS079300	LED RED/GREEN	SPR-39MVWF	2 色 L E D	MIC (SIGNAL)		
LD207	WF300900	LED ORANGE	SML-512DW	チ ッ ブ L E D	ART.2		01
LD208	WV217100	LED BLUE	QSMR-C13S	チ ッ ブ L E D	ART.2		01
R1	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ ブ 抵 抗			
R2	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ ブ 抵 抗			
R3	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ ブ 抵 抗			
-5	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ ブ 抵 抗			
R6	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ ブ 抵 抗			
R7	VY657200	CHIP INDUCTANCE	600 BK1608HM601-T	チ ッ ブ インダクタ			
-14	VY657200	CHIP INDUCTANCE	600 BK1608HM601-T	チ ッ ブ インダクタ			
R15	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ ブ 抵 抗			
-26	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ ブ 抵 抗			
R27	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ ブ 抵 抗			
R28	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ ブ 抵 抗			
R29	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ ブ 抵 抗			01
R30	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ ブ 抵 抗			
R37	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ ブ 抵 抗			
R40	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ ブ 抵 抗			
R41	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ ブ 抵 抗			
R43	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ ブ 抵 抗			
R46	RD155100	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ ッ ブ 抵 抗			
R47	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ ブ 抵 抗			
R48	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ ブ 抵 抗			
R49	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ ブ 抵 抗			
R51	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ ブ 抵 抗			
R52	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ ブ 抵 抗			

*: New Parts

RANK: Japan only

MIC/PNL/SP1/SP2/VOL

REF NO.	PART NO.	DESCRIPTION	部	品	名	REMARKS	QTY	RANK
R55	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R60	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R61	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
-63	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R64	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
-66	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R67	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R68	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R69	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R70	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R71	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
-74	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R75	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R76	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R77	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
-79	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R80	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
-83	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R84	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R85	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R86	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
-88	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R89	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R90	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R91	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R92	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R93	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R94	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R95	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R96	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R97	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R98	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R99	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R100	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R101	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R102	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R103	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R104	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R105	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R106	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R107	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R108	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R109	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R110	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
-114	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R115	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R116	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R117	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ	ッ	ブ 抵 抗		
R118	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R119	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R120	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
-124	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R125	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R126	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R127	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R128	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R129	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R130	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R131	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R132	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R133	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R134	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R135	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R136	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R137	RD155100	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ	ッ	ブ 抵 抗		
R138	RD15482R	CARBON RESISTOR (CHIP)	82.0 1/4 J TP	チ	ッ	ブ 抵 抗		01
R139	RD155100	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ	ッ	ブ 抵 抗		
R140	RD155100	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ	ッ	ブ 抵 抗		
R141	RD15482R	CARBON RESISTOR (CHIP)	82.0 1/4 J TP	チ	ッ	ブ 抵 抗		01
R142	RD15482R	CARBON RESISTOR (CHIP)	82.0 1/4 J TP	チ	ッ	ブ 抵 抗		01

*: New Parts

RANK: Japan only

MIC/PNL/SP1/SP2/VOL

REF NO.	PART NO.	DESCRIPTION		部	品	名	REMARKS	QTY	RANK
R143	RD155100	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ	ッ	ブ 抵 抗			
-145	RD155100	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ	ッ	ブ 抵 抗			
R146	RD15482R	CARBON RESISTOR (CHIP)	82.0 1/4 J TP	チ	ッ	ブ 抵 抗			01
-149	RD15482R	CARBON RESISTOR (CHIP)	82.0 1/4 J TP	チ	ッ	ブ 抵 抗			01
R204	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗			
R205	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ	ッ	ブ 抵 抗			
R206	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ	ッ	ブ 抵 抗			
R207	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗			
SW1	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (REC)		01
SW2	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (INTRO I)		01
SW3	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (ACMP)		01
SW4	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (I)		01
SW5	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE (POP & ROCK)		01
SW6	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE (LATIN)		01
SW7	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (STOP)		01
SW8	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (INTRO II)		01
SW9	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (OTS LINK)		01
SW10	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (II)		01
SW11	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE (BALLAD)		01
SW12	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE (BALLROOM)		01
SW13	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (PLAY/PAUSE)		01
SW14	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (INTRO III)		01
SW15	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (AUTO FILL IN)		01
SW16	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (III)		01
SW17	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE (DANCE)		01
SW18	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE (MOVIE & SHOW)		01
SW19	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (REW)		01
SW20	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (MAIN VARIATION A)		01
SW21	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (TAP TEMPO)		01
SW22	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (IV)		01
SW23	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE (SWING & JAZZ)		01
SW24	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE (ENTERTAINER)		01
SW25	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (FF)		01
SW26	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (MAIN VARIATION B)		01
SW27	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (TEMPO -)		01
SW28	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE (R & B)		01
SW29	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE (WORLD)		01
SW30	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (MAIN VARIATION C)		01
SW31	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (TEMPO +)		01
SW32	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE (COUNTRY)		01
SW33	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE (FILE ACCESS)		01
SW34	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (MAIN VARIATION D)		01
SW35	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (SP 1)		01
SW36	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	MULTI PAD CONTROL (SELECT)		01
SW37	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (BRAKE)		01
SW38	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	TRANSPOSE -		01
SW39	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	TRANSPOSE +		01
SW40	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	MULTI PAD CONTROL (1)		01
SW41	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (ENDING/rit. I)		01
SW42	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (SP 2)		01
SW43	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (SP 3)		01
SW44	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	MIXING CONSOLE		01
SW45	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	MULTI PAD CONTROL (2)		01
SW46	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (ENDING/rit. II)		01
SW47	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	AUDIO RECORDER/PLAYER (REC)		01
SW48	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	MULTI PAD CONTROL (3)		01
SW49	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (ENDING/rit. III)		01
SW50	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (SP 4)		01
SW51	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	CHANNEL ON/OFF		01
SW52	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	AUDIO RECORDER/PLAYER (STOP)		01
SW53	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	BALANCE		01
SW54	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	MULTI PAD CONTROL (4)		01
SW55	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (SYNC STOP)		01
SW56	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	AUDIO RECORDER/PLAYER (PLAY/PAUSE)		01
SW57	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (LOOP)		01
SW58	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (METRONOME)		01
SW59	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	MULTI PAD CONTROL (STOP)		01
SW60	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	STYLE CONTROL (SYNC START)		01
SW61	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	AUDIO RECORDER/PLAYER (PREV)		01
SW62	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	SONG (SCORE)		01

*: New Parts

RANK: Japan only

MIC/PNL/SP1/SP2/VOL and MK61L and MK76L and MKH and EMKS

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY	RANK
SW63	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	AUDIO RECORDER/PLAYER (NEXT)		01
SW64	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	STYLE CONTROL (START/STOP)		01
SW65	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	SONG (LYRICS/TEXT)		01
SW66	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	AUDIO RECORDER/PLAYER (MODE)		01
SW200	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	MIC (VH TYPE SELECT)		01
SW201	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	MIC (VOCAL HARMONY)		01
SW202	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	MIC (MIC SETTING)		01
SW203	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	MIC (VOCAL EFFECT)		01
SW204	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	FADE IN/OUT		01
SW205	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	ART.1		01
SW206	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	UPPER OCTAVE -		01
SW207	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	MIC (TALK)		01
SW208	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	ART.2		01
SW209	WG31840R	TACT SWITCH	SKRGAMD010	タ ク ト S W	UPPER OCTAVE +		01
TR1	VY67760R	DIGITAL TRANSISTOR	DTC123JKA TP	デ ジ タ ル ト ラ ン ジ ス タ			01
-18	VY67760R	DIGITAL TRANSISTOR	DTC123JKA TP	デ ジ タ ル ト ラ ン ジ ス タ			01
TR19	WB12320R	TRANSISTOR (ARRAY)	IMB10A T110	ト ラ ン ジ ス タ ア レ イ			05
-24	WB12320R	TRANSISTOR (ARRAY)	IMB10A T110	ト ラ ン ジ ス タ ア レ イ			05
VR1	WN562700	SLIDE VR	B 10.0K RS20111A9A	ス ラ イ ド V R	SONG		03
VR2	WN562700	SLIDE VR	B 10.0K RS20111A9A	ス ラ イ ド V R	ASSIGN		03
VR200	VQ67050R	ROTARY VARIABLE RESISTOR	B 10K RK11K1130A0M	ロ ー タ リ ー ボ リ ュ ー ム	MASTER VOLUME		02
VR201	WV984200	ROTARY VARIABLE RESISTOR	RD 5.0K RK09K1130D	ロ ー タ リ ー V R	MIC GAIN		01
	WD80010R	CIRCUIT BOARD	MK61L	シ ー ト M K 6 1 L	Tyros5-61 (WD80020)(X6578D0)		08
CN001	VM689000	FFC CONNECTOR	52045 23P TE	F F C コ ネ ク タ ー			
CN002	VB858200	CONNECTOR	PH 3P SE	ベ ー ス ポ ス ト			
D0001	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド			
-0075	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド			
	WD807300	CIRCUIT BOARD	MK76L	M K 7 6 L シ ー ト	Tyros5-76 (X5655D0)		10
CN001	VM689000	FFC CONNECTOR	52045 23P TE	F F C コ ネ ク タ ー			
CN002	VB858200	CONNECTOR	PH 3P SE	ベ ー ス ポ ス ト			
D0001	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド			
-0067	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド			
*	ZG725800	CIRCUIT BOARD	MKH	M K H シ ー ト	Tyros5-61 (ZG72570)(X6579B0)		
PC002	ZF608600	CIRCUIT BOARD	EMKS on MKH	E M K S シ ー ト	(ZF60830)(YF257C0)		
CN002	WK372800	FFC CONNECTOR	5597 3P SE	F F C 用 コ ネ ク タ ー			01
CN004	VM689000	FFC CONNECTOR	52045 23P TE	F F C コ ネ ク タ ー			
CN005	VB858200	CONNECTOR	PH 3P SE	ベ ー ス ポ ス ト			
D0001	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド			
-0048	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド			
*	ZG727400	CIRCUIT BOARD	MKH	M K H シ ー ト	Tyros5-76 (X5657C0)		
*	ZF608600	CIRCUIT BOARD	EMKS on MKH	E M K S シ ー ト	(ZF60830)(YF257C0)		
CN005	VM689000	FFC CONNECTOR	52045 23P TE	F F C コ ネ ク タ ー			
CN008	WK372800	FFC CONNECTOR	5597 3P SE	F F C 用 コ ネ ク タ ー			01
CN009	VB858200	CONNECTOR	PH 3P SE	ベ ー ス ポ ス ト			
D0001	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド			
-0062	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド			
*	ZF608600	CIRCUIT BOARD	EMKS on MKH	E M K S シ ー ト	(ZF60830)(YF257C0)		
C1	UF118470	ELECTROLYTIC CAPACITOR(CHIP)	470 6.3V	チ ッ プ ケ ミ コ ン			
C2	US135100	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チ ッ プ セ ラ (F)			
C5	US135100	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チ ッ プ セ ラ (F)			
C7	UF017470	ELECTROLYTIC CAPACITOR(CHIP)	47 6.3V	チ ッ プ ケ ミ コ ン			
C9	US135100	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チ ッ プ セ ラ (F)			
-11	US135100	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チ ッ プ セ ラ (F)			
C12	UF04647R	ELECTROLYTIC CAPACITOR(CHIP)	4.7 25V	チ ッ プ ケ ミ コ ン			01
C13	US135100	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チ ッ プ セ ラ (F)			
-19	US135100	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チ ッ プ セ ラ (F)			
C25	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)			
C26	US135100	CERAMIC CAPACITOR (CHIP)	0.1000 16V Z RECT.	チ ッ プ セ ラ (F)			
C27	UF018100	ELECTROLYTIC CAPACITOR(CHIP)	100 6.3V	チ ッ プ ケ ミ コ ン			
C28	US062100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (S L)			
-41	US062100	CERAMIC CAPACITOR (CHIP)	100P 50V J RECT.	チ ッ プ セ ラ (S L)			
C45	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン			01
C46	WG888300	MONOLITHIC CERAMIC CAP(CHIP)	10.0 6.3V K TP	チ ッ プ 積 層 セ ラ コ ン			01
CN4	VT388800	CONNECTOR	PH 7P TE	ベ ー ス 付 ポ ス ト			
CN5	WB24980R	CONNECTOR	20P GPFA105-2002A0	中 継 タ ー ミ ナ ル			04

*: New Parts

RANK: Japan only

EMKS and MKC and MP/HP

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
CN6	WE62140R	CONNECTOR	10P GPFA105-1002A0	中 継 タ ー ミ ナ ル		02
D6	VT332900	DIODE	1SS355 TE-17 TP	ダ イ オ ー ド		
D8	VT332900	DIODE	1SS355 TE-17 TP	ダ イ オ ー ド		
-13	VT332900	DIODE	1SS355 TE-17 TP	ダ イ オ ー ド		
IC1	YF210A00	IC	MB9AF131KAPMC-G-10	Ｉ ー Ｃ	E-VKS	
IC2	X2538A00	IC	NJM2100V(TE2)	Ｉ ー Ｃ	OP AMP	
L1	V584810R	CHIP INDUCTANCE	56U ELJFC560JF	巻 線 チ ッ プ イ ン ダ ク タ		01
L2	VR579900	COIL INDUCTOR CHIP	BK2125 HS601-T	チ ッ プ イ ン ダ ク タ		
L3	VR579900	COIL INDUCTOR CHIP	BK2125 HS601-T	チ ッ プ イ ン ダ ク タ		
R4	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R5	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R6	RD356680	CARBON RESISTOR (CHIP)	6.8K 63M J RECT.	チ ッ プ 抵 抗		
R7	RD355150	CARBON RESISTOR (CHIP)	150.0 63M J RECT.	チ ッ プ 抵 抗		
R8	RD355150	CARBON RESISTOR (CHIP)	150.0 63M J RECT.	チ ッ プ 抵 抗		
R9	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R10	RD355150	CARBON RESISTOR (CHIP)	150.0 63M J RECT.	チ ッ プ 抵 抗		
R11	RD357220	CARBON RESISTOR (CHIP)	22.0K 63M J RECT.	チ ッ プ 抵 抗		
R12	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ ッ プ 抵 抗		
R13	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R17	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R19	RD355100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ッ プ 抵 抗		
R21	RD355100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ッ プ 抵 抗		
R22	RD35718R	CARBON RESISTOR (CHIP)	18.0K 63M J RECT.	チ ッ プ 抵 抗		01
-25	RD35718R	CARBON RESISTOR (CHIP)	18.0K 63M J RECT.	チ ッ プ 抵 抗		01
R26	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R27	RD35718R	CARBON RESISTOR (CHIP)	18.0K 63M J RECT.	チ ッ プ 抵 抗		01
R28	RD35718R	CARBON RESISTOR (CHIP)	18.0K 63M J RECT.	チ ッ プ 抵 抗		01
R29	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R30	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R31	RD35718R	CARBON RESISTOR (CHIP)	18.0K 63M J RECT.	チ ッ プ 抵 抗		01
R32	RD35718R	CARBON RESISTOR (CHIP)	18.0K 63M J RECT.	チ ッ プ 抵 抗		01
R33	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R34	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R35	RD35718R	CARBON RESISTOR (CHIP)	18.0K 63M J RECT.	チ ッ プ 抵 抗		01
-38	RD35718R	CARBON RESISTOR (CHIP)	18.0K 63M J RECT.	チ ッ プ 抵 抗		01
R39	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
-44	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
VR1	WS613600	TRIMMER POTENTIOMETER	B 470K FUSE 3P VZ0	半 固 定 ヴ	GAIN	01
VR2	WS613500	TRIMMER POTENTIOMETER	B 330K FUSE 3P VZ0	半 固 定 ヴ	OFFSET	01
	WD807100	CIRCUIT BOARD	MKC	M K C シ ー ト	Tyros5-76 (WD80700)(X5656D0)	08
	--	VIBR-PRO CLOTH	FSX	防 振 布	(WJ04790)	
CN003	VM689000	CONNECTOR	52045 23P TE	F F C コ ネ ク タ ー		
CN004	VM689000	CONNECTOR	52045 23P TE	F F C コ ネ ク タ ー		
D0001	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド		
-0024	VB941200	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド		
	ZE997700	CIRCUIT BOARD	MP	M P シ ー ト	(ZE99640)(YF080D0)	
	ZE997800	CIRCUIT BOARD	HP	H P シ ー ト	(ZE99640)(YF080D0)	
C1	ZF601100	ELECTROLYTIC CAPACITOR	3.30 450.0V TATETE	ケ ミ コ ン K X G		
C1	ZH179800	ELECTROLYTIC CAPACITOR	3.30 450.0V TATEJI	ケ ミ コ ン K X G		
C2	ZG835700	CAPACITOR	0.010 250V UL.SEMK	規 格 認 定 コ ン K Y		
C3	ZF601100	ELECTROLYTIC CAPACITOR	3.30 450.0V TATETE	ケ ミ コ ン K X G		
C3	ZH179800	ELECTROLYTIC CAPACITOR	3.30 450.0V TATEJI	ケ ミ コ ン K X G		
C4	ZG835700	CAPACITOR	0.010 250V UL.SEMK	規 格 認 定 コ ン K Y		
C5	WD70740R	CERAMIC CAPACITOR	1000P 1KV K RX TP	セ ラ コ ン (B)		
C6	WN987600	MONOLITHIC CERAMIC CAP(CHIP)	1.000 50V K TP	チ ッ プ 積 層 セ ラ コ ン		01
C7	WY679800	CAPCITOR POLYPROPYLEN	0.1 630 K TATE	P P コ ン		01
C8	WY679800	CAPCITOR POLYPROPYLEN	0.1 630 K TATE	P P コ ン		01
C20	UR867100	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケ ミ コ ン		
C21	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C22	WF547900	CERAMIC CAPACITOR (CHIP)	10.000 25V K KAKUT	チ ッ プ セ ラ		01
C22	WG888200	MONOLITHIC CERAMIC CAP(CHIP)	10.0 25V K TP	チ ッ プ 積 層 セ ラ コ ン		
C23	WH771700	ELECTROLYTIC CAPACITOR	470.00 10.0V TP	ケ ミ コ ン		01
C24	WH771700	ELECTROLYTIC CAPACITOR	470.00 10.0V TP	ケ ミ コ ン		01
C25	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C26	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C29	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C30	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C31	UR749100	ELECTROLYTIC CAPACITOR	1000 25.0V FORM.	ケ ミ コ ン		

*: New Parts

RANK: Japan only

MP/HP and PNR/USB

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
C31	UR849100	ELECTROLYTIC CAPACITOR	1000 25.0V RX TP	ケ ミ コ ン		
C42	V8085400	CERAMIC CAPACITOR (CHIP)	0.1000 25V K RECT.	チ ッ プ セ ラ (B)		
C102	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
-104	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
CN1	LB93203R	CONNECTOR	VH 3P TE	ベ ー ス ポ ス ト		01
CN20	LB932020	CONNECTOR	VH 2P TE	ベ ー ス ポ ス ト		
CN21	VB390000	CONNECTOR	PH 4P TE	ベ ー ス ポ ス ト		
CN22	VL844900	CONNECTOR	XH 5P TE	ベ ー ス キ ポ ス ト		
CN100	VB858400	CONNECTOR	PH 5P SE	ベ ー ス ポ ス ト		
CN101	LB93204R	CONNECTOR	VH 4P TE	ベ ー ス ポ ス ト		01
D1	WR239800	DIODE	AB01BV0	ダ イ オ ー ド		01
D2	VD631600	DIODE	1SS133,176,HSS104	ダ イ オ ー ド		
D20	VD631600	DIODE	1SS133,176,HSS104	ダ イ オ ー ド		
D21	WJ116300	DIODE	D1NS4-5070 26	シ ョ ッ ト キ ダイ オ ー ド		01
D22	VD631600	DIODE	1SS133,176,HSS104	ダ イ オ ー ド		
DB1	ZG184300	DIODE STACK	S1NBC80-7101 1.5A	D i ス タ ッ ク		
FT20	WY679700	FET (CHIP)	2SK1581-T1B-A TE	チ ッ プ F E T		01
FZ2	WN505800	FUSE	SEMKO/UL/PSE 1.00A 250V	ヒ ュ ー ズ 2 5 0 V		01
IC1	YD424A00	IC	LNK603PG	イ ー C	AC/DC SWITCHING CONVERTER	03
IC2	WP388200	PHOTO COUPLER	TLP781(D4-GR,F)	フ ォ ト カ ブ ラ		01
JK100	WJ306200	PHONE JACK	MSJ-064-15A B AG	ホ ー ン コ ネ ク タ	PHONES	01
L1	WY190500	COIL	7607-102K-RL TATET	コ イ ル		01
L4	ZG368300	COIL	SS11VL-R08125	ラ イ ン フィ ル タ		
L5	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ ェ ラ イ ト ビ ー ズ		02
L20	WY190400	COIL	7607-100L-RL TATET	コ イ ル		01
L100	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ ェ ラ イ ト ビ ー ズ		02
-102	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フ ェ ラ イ ト ビ ー ズ		02
R1	RD158680	CARBON RESISTOR (CHIP)	680K 1/4 J TP	チ ッ プ 抵 抗		
R2	RD255680	CARBON RESISTOR (CHIP)	680.0 0.1 J RECT.	チ ッ プ 抵 抗		
R3	RD15722R	CARBON RESISTOR (CHIP)	22.0K 1/4 J TP	チ ッ プ 抵 抗		01
R4	RD15722R	CARBON RESISTOR (CHIP)	22.0K 1/4 J TP	チ ッ プ 抵 抗		01
R5	RF456820	CARBON RESISTOR (CHIP)	8.2K D RECT.	チ ッ プ 抵 抗		
R6	RF456510	CARBON RESISTOR (CHIP)	5.1K D RECT.	チ ッ プ 抵 抗		
R20	RD356470	CARBON RESISTOR (CHIP)	4.7K 63M J RECT.	チ ッ プ 抵 抗		
R21	RD355100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ッ プ 抵 抗		
R22	RD355100	CARBON RESISTOR (CHIP)	100.0 63M J RECT.	チ ッ プ 抵 抗		
R23	RD358150	CARBON RESISTOR (CHIP)	150.0K 63M J RECT.	チ ッ プ 抵 抗		
R24	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R25	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R26	RD356150	CARBON RESISTOR (CHIP)	1.5K 63M J RECT.	チ ッ プ 抵 抗		
R100	HF454680	CARBON RESISTOR	68.0 1/4 J AX TP	カ ー ボ ン 抵 抗		
R101	HF454680	CARBON RESISTOR	68.0 1/4 J AX TP	カ ー ボ ン 抵 抗		
R102	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
R103	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ ッ プ 抵 抗		
RY1	WQ804100	RELAY	DC DLS5D1-Q(M)0.25	リ レ ー		
RY1	WZ284700	RELAY	DC ALKQ3298	リ レ ー		
T1	YD421A00	POWER TRANSFORMER	DENANHOU A	電 源 ト ラ ン ス		05
TR20	VV556400	TRANSISTOR	2SC2412K Q,R,S TP	ト ラ ン ジ ス タ		
TR20	WC529400	TRANSISTOR	KTC3875S-Y,GR-RTK	ト ラ ン ジ ス タ		
* *	ZE997200	CIRCUIT BOARD	PNR	P N R シ ー ト	(ZE99620)(YF078C0)	
	ZE997300	CIRCUIT BOARD	USB	U S B シ ー ト	(ZE99620)(YF078C0)	
C3	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
-5	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C3	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
-5	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C6	UF118330	ELECTROLYTIC CAPACITOR(CHIP)	330 6.3V	チ ッ プ ケ ミ コ ン		01
C7	UF12822R	ELECTROLYTIC CAPACITOR(CHIP)	220 10V	チ ッ プ ケ ミ コ ン		
C8	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
-10	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C8	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
-10	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C15	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C15	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C19	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C19	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C22	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C23	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C25	UF12822R	ELECTROLYTIC CAPACITOR(CHIP)	220 10V	チ ッ プ ケ ミ コ ン		01
C26	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		

*: New Parts

RANK: Japan only

PNR/USB

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
-29	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C30	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C30	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C33	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C34	WD758300	CERAMIC CAPACITOR (CHIP)	10U 10V K RECT.	チ ッ プ セ ラ		
C35	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C35	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C36	WD758300	CERAMIC CAPACITOR (CHIP)	10U 10V K RECT.	チ ッ プ セ ラ		
C37	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C37	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C38	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ッ プ セ ラ (S L)		01
-40	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ッ プ セ ラ (S L)		01
C41	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C41	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C42	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ッ プ セ ラ (S L)		01
-52	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ッ プ セ ラ (S L)		01
C53	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)		
C54	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C54	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C55	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)		
-57	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)		
C58	WD758300	CERAMIC CAPACITOR (CHIP)	10U 10V K RECT.	チ ッ プ セ ラ		
C59	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)		
-62	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)		
C63	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C64	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C64	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C65	WD758300	CERAMIC CAPACITOR (CHIP)	10U 10V K RECT.	チ ッ プ セ ラ		
C66	US061330	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チ ッ プ セ ラ (C H)		
C67	US061330	CERAMIC CAPACITOR (CHIP)	33P 50V J RECT.	チ ッ プ セ ラ (C H)		
C68	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C68	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C69	UF118330	ELECTROLYTIC CAPACITOR(CHIP)	330 6.3V	チ ッ プ ケ ミ コ ン		
C70	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C70	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C71	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C71	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C72	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ッ プ セ ラ (S L)		01
-79	US062471	CERAMIC CAPACITOR (CHIP)	470P 50V J RECT.	チ ッ プ セ ラ (S L)		01
C80	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)		
-83	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)		
C84	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
-98	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C84	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
-98	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C99	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C100	US063100	CERAMIC CAPACITOR (CHIP)	1000P 50V K RECT.	チ ッ プ セ ラ (B)		
C101	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)		
C102	US064100	CERAMIC CAPACITOR (CHIP)	0.0100 50V K RECT.	チ ッ プ セ ラ (B)		
C103	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
-108	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C103	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
-108	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
C201	US065100	CERAMIC CAPACITOR (CHIP)	0.100 50V Z RECT.	チ ッ プ セ ラ F		
C201	US145100	CERAMIC CAPACITOR (CHIP)	0.1000 25V Z RECT.	チ ッ プ セ ラ (F)		
CN1	VB858600	CONNECTOR	PH 7P SE	ベ ー ス ボ ス ト		
CN2	WA17860R	FFC CONNECTOR	52806-2210 22PIN	F F C コ ネ ク タ		01
CN3	VB85880R	CONNECTOR	PH 9P SE	ベ ー ス ボ ス ト		01
CN4	WB560200	CONNECTOR	ZH 7P TE	ベ ー ス ビ ン		01
CN201	VB858500	CONNECTOR	PH 6P SE	ベ ー ス ボ ス ト		
CN202	WH382500	USB CONNECTOR	UAR27 4P SE	U S B コ ネ ク タ	USB TO DEVICE	01
CN203	VB858200	CONNECTOR	PH 3P SE	ベ ー ス ボ ス ト		
D1	VT332900	DIODE	1SS355 TE-17 TP	ダ イ オ ー ド		
-60	VT332900	DIODE	1SS355 TE-17 TP	ダ イ オ ー ド		
D1	WC398800	DIODE	KDS160-RTK/P TP	ダ イ オ ー ド		
-60	WC398800	DIODE	KDS160-RTK/P TP	ダ イ オ ー ド		
D1	WG139300	DIODE	KDS4148U-RTK/P TE	ダ イ オ ー ド		
-60	WG139300	DIODE	KDS4148U-RTK/P TE	ダ イ オ ー ド		
D1	WW783900	DIODE	1SS355VM	ダ イ オ ー ド		01
-60	WW783900	DIODE	1SS355VM	ダ イ オ ー ド		01

*: New Parts

RANK: Japan only

PNR/USB

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
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
EM201	WE94560R	EMI FILTER (CHIP)	NFM21CC223R1H3D	エミフィルチップ		01
FT1	ZA777500	FET	US6K4TR TAPE	F E T		01
-3	ZA777500	FET	US6K4TR TAPE	F E T		01
* IC1	YF075B00	IC	TMP89FM42AUG	I C	LSC2	
IC2	YD841B00	IC	TMP89FW24AFG-7KH4	I C	E-PNS3a	05
L1	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ		02
L2	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗		
L3	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チップ抵抗		
L4	GE300670	FERRIT BEAD	BL02RN2R1P1A TATET	フェライトビーズ		02
L201	VY657200	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ		
L202	WG834800	COIL	DLW21HN900SQ2L	コイル		01
* LD1	ZD427000	LED YELLOW	SECG1WA07Y-SD	チップLED	MUSIC FINDER	
LD2	WV217100	LED BLUE	QSMR-C13S	チップLED	REGISTRATION MEMORY (1)	01
LD3	WF300900	LED ORANGE	SML-512DW	チップLED	REGISTRATION MEMORY (1)	01
* LD4	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (PIANO)	
* LD5	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (BASS)	
LD6	WV217100	LED BLUE	QSMR-C13S	チップLED	REGISTRATION MEMORY (2)	01
LD7	WF300900	LED ORANGE	SML-512DW	チップLED	REGISTRATION MEMORY (2)	01
* LD8	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (E.PIANO)	
* LD9	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (PERCUSSION)	
* LD10	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (ORGAN)	
LD11	WV217100	LED BLUE	QSMR-C13S	チップLED	REGISTRATION MEMORY (3)	01
LD12	WF300900	LED ORANGE	SML-512DW	チップLED	REGISTRATION MEMORY (3)	01
* LD13	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (DRUM KIT)	
LD14	WR675200	LED RED	SLR-342VTRH7M	L E D	REGISTRATION MEMORY (FREEZE)	01
* LD15	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (STRINGS)	
* LD16	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (ACCORDION)	
LD17	WV217100	LED BLUE	QSMR-C13S	チップLED	REGISTRATION MEMORY (4)	01
LD18	WF300900	LED ORANGE	SML-512DW	チップLED	REGISTRATION MEMORY (4)	01
* LD19	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (CHOIR)	
LD20	WV217100	LED BLUE	QSMR-C13S	チップLED	REGISTRATION MEMORY (5)	01
LD21	WF300900	LED ORANGE	SML-512DW	チップLED	REGISTRATION MEMORY (5)	01
* LD22	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (PAD)	
LD23	WV217100	LED BLUE	QSMR-C13S	チップLED	REGISTRATION MEMORY (6)	01
LD24	WF300900	LED ORANGE	SML-512DW	チップLED	REGISTRATION MEMORY (6)	01
* LD25	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (BRASS)	
* LD26	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (SYNTH)	
LD27	WV217100	LED BLUE	QSMR-C13S	チップLED	ONE TOUCH SETTING (1)	01
LD28	WF300900	LED ORANGE	SML-512DW	チップLED	ONE TOUCH SETTING (1)	01
LD29	WV217100	LED BLUE	QSMR-C13S	チップLED	REGISTRATION MEMORY (7)	01
LD30	WF300900	LED ORANGE	SML-512DW	チップLED	REGISTRATION MEMORY (7)	01
* LD31	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (WOODWIND)	
* LD32	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (ORGAN WORLD)	
LD33	WV217100	LED BLUE	QSMR-C13S	チップLED	ONE TOUCH SETTING (2)	01
LD34	WF300900	LED ORANGE	SML-512DW	チップLED	ONE TOUCH SETTING (2)	01
LD35	WV217100	LED BLUE	QSMR-C13S	チップLED	REGISTRATION MEMORY (8)	01
LD36	WF300900	LED ORANGE	SML-512DW	チップLED	REGISTRATION MEMORY (8)	01
* LD37	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (A.GUITAR)	
* LD38	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (ENSEMBLE)	
LD39	WV217100	LED BLUE	QSMR-C13S	チップLED	ONE TOUCH SETTING (3)	01
LD40	WF300900	LED ORANGE	SML-512DW	チップLED	ONE TOUCH SETTING (3)	01
* LD41	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (EXPANSION/USER)	
* LD42	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE (E.GUITAR)	
LD43	WV217100	LED BLUE	QSMR-C13S	チップLED	ONE TOUCH SETTING (4)	01
LD44	WF300900	LED ORANGE	SML-512DW	チップLED	ONE TOUCH SETTING (4)	01
* LD45	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE EFFECT (HARMONY/ECHO)	
* LD46	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	PART ON/OFF (LEFT HOLD)	
* LD47	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE EFFECT (INITIAL TOUCH)	
LD48	WF300900	LED ORANGE	SML-512DW	チップLED	PART ON/OFF (LEFT)	01
LD49	WV217100	LED BLUE	QSMR-C13S	チップLED	PART SELECT (LEFT)	01
* LD50	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE EFFECT (SUSTAIN)	
LD51	WF300900	LED ORANGE	SML-512DW	チップLED	PART ON/OFF (RIGHT 1)	01
LD52	WV217100	LED BLUE	QSMR-C13S	チップLED	PART SELECT (RIGHT 1)	01
* LD53	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE EFFECT (MONO)	
LD54	WV217100	LED BLUE	QSMR-C13S	チップLED	PART SELECT (RIGHT 2)	01
LD55	WF300900	LED ORANGE	SML-512DW	チップLED	PART ON/OFF (RIGHT 2)	01
* LD56	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE EFFECT (DSP)	
LD57	WV217100	LED BLUE	QSMR-C13S	チップLED	PART SELECT (RIGHT 3)	01

*: New Parts

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REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	RANK
LD58	WF300900	LED ORANGE	SML-512DW	チ ッ プ L E D	PART ON/OFF (RIGHT 3)	01
LD59	ZF179500	LED GREEN	SLR-342MGTH7(MNP)	L E D	VOICE EFFECT (VARIATION)	
R1	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ プ 抵 抗		
R2	RD355330	CARBON RESISTOR (CHIP)	330.0 63M J RECT.	チ ッ プ 抵 抗		
R5	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ プ 抵 抗		
R8	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
-26	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
R27	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ プ 抵 抗		
R28	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
-33	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
R34	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ プ 抵 抗		
R35	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ プ 抵 抗		
R36	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R38	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R42	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ プ 抵 抗		
R44	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R47	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R48	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R50	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R51	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ プ 抵 抗		
R54	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R55	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ プ 抵 抗		
R56	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R58	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R59	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R60	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ プ 抵 抗		
R63	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R68	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R69	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ プ 抵 抗		
-71	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ ッ プ 抵 抗		
R72	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ ッ プ 抵 抗		
-75	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ ッ プ 抵 抗		
R76	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R77	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ ッ プ 抵 抗		
-80	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ ッ プ 抵 抗		
R81	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R82	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R83	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
-86	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R87	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ ッ プ 抵 抗		
-90	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ ッ プ 抵 抗		
R91	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
-94	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ ッ プ 抵 抗		01
R95	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ ッ プ 抵 抗		
R96	RD357470	CARBON RESISTOR (CHIP)	47.0K 63M J RECT.	チ ッ プ 抵 抗		
R97	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ ッ プ 抵 抗		
-99	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ ッ プ 抵 抗		
R100	RD35418R	CARBON RESISTOR (CHIP)	18.0 63M J RECT.	チ ッ プ 抵 抗		01
R101	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R102	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R103	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ ッ プ 抵 抗		
R104	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R105	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ ッ プ 抵 抗		
R106	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R107	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ ッ プ 抵 抗		
R108	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R109	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R110	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ ッ プ 抵 抗		
R111	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R112	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R113	RD358470	CARBON RESISTOR (CHIP)	470.0K 63M J RECT.	チ ッ プ 抵 抗		
R114	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R115	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R116	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
-120	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R121	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
R122	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ ッ プ 抵 抗		
R123	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ ッ プ 抵 抗		
R124	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		
-126	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ ッ プ 抵 抗		

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REF NO.	PART NO.	DESCRIPTION	部	品	名	REMARKS	QTY	RANK
R127	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R128	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
-130	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R131	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R132	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R133	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R134	RD356100	CARBON RESISTOR (CHIP)	1.0K 63M J RECT.	チ	ッ	ブ 抵 抗		01
R135	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R136	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R137	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R138	RD357100	CARBON RESISTOR (CHIP)	10.0K 63M J RECT.	チ	ッ	ブ 抵 抗		
R139	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R140	RD354470	CARBON RESISTOR (CHIP)	47.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R141	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R142	RD155100	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ	ッ	ブ 抵 抗		
-145	RD155100	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ	ッ	ブ 抵 抗		
R146	RD15482R	CARBON RESISTOR (CHIP)	82.0 1/4 J TP	チ	ッ	ブ 抵 抗		01
-149	RD15482R	CARBON RESISTOR (CHIP)	82.0 1/4 J TP	チ	ッ	ブ 抵 抗		01
R150	RD355680	CARBON RESISTOR (CHIP)	680.0 63M J RECT.	チ	ッ	ブ 抵 抗		
R201	RD350000	CARBON RESISTOR (CHIP)	0 63M J RECT.	チ	ッ	ブ 抵 抗		
SW1	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	MENU (FUNCTION)	01
SW2	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	MUSIC FINDER	01
SW3	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (PIANO)	01
SW4	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (BASS)	01
SW5	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	REGISTRATION MEMORY (REGIST BANK -)	01
SW6	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	REGISTRATION MEMORY (1)	01
SW7	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (E.PIANO)	01
SW8	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (PERCUSSION)	01
SW9	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	REGISTRATION MEMORY (REGIST BANK +)	01
SW10	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	REGISTRATION MEMORY (2)	01
SW11	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	MENU (CREATOR)	01
SW12	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	REGISTRATION MEMORY (FREEZE)	01
SW13	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (ORGAN)	01
SW14	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (DRUM KIT)	01
SW15	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	REGISTRATION MEMORY (3)	01
SW16	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (STRINGS)	01
SW17	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (ACCORDION)	01
SW18	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	REGISTRATION MEMORY (MEMORY)	01
SW19	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	REGISTRATION MEMORY (4)	01
SW20	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (CHOIR)	01
SW21	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (PAD)	01
SW22	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	REGISTRATION MEMORY (5)	01
SW23	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	REGISTRATION MEMORY (6)	01
SW24	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (BRASS)	01
SW25	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (SYNTH)	01
SW26	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	ONE TOUCH SETTING (1)	01
SW27	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	REGISTRATION MEMORY (7)	01
SW28	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (WOODWIND)	01
SW29	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (ORGAN WORLD)	01
SW30	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	ONE TOUCH SETTING (2)	01
SW31	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	REGISTRATION MEMORY (8)	01
SW32	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (A.GUITAR)	01
SW33	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (ENSEMBLE)	01
SW34	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	ONE TOUCH SETTING (3)	01
SW35	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (E.GUITAR)	01
SW36	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE (EXPANSION/USER)	01
SW37	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	ONE TOUCH SETTING (4)	01
SW38	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE EFFECT (HARMONY/ECHO)	01
SW39	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	PART ON/OFF (LEFT HOLD)	01
SW40	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE EFFECT (INITIAL TOUCH)	01
SW41	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	PART SELECT (LEFT)	01
SW42	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	PART ON/OFF (LEFT)	01
SW43	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE EFFECT (SUSTAIN)	01
SW44	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	PART SELECT (RIGHT 1)	01
SW45	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	PART ON/OFF (RIGHT 1)	01
SW46	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE EFFECT (MONO)	01
SW47	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	PART SELECT (RIGHT 2)	01
SW48	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	PART ON/OFF (RIGHT 2)	01
SW49	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	VOICE EFFECT (DSP)	01
SW50	WG31840R	TACT SWITCH	SKRGAMD010	タ	ク	ト S W	PART SELECT (RIGHT 3)	01

*: New Parts

RANK: Japan only

PNR/USB

[illegible]

*: New Parts

RANK: Japan only

TRS-MS05

PARTS LIST


■ CONTENTS



WOOFER SPEAKER SYSTEM	2
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Notes : DESTINATION ABBREVIATIONS

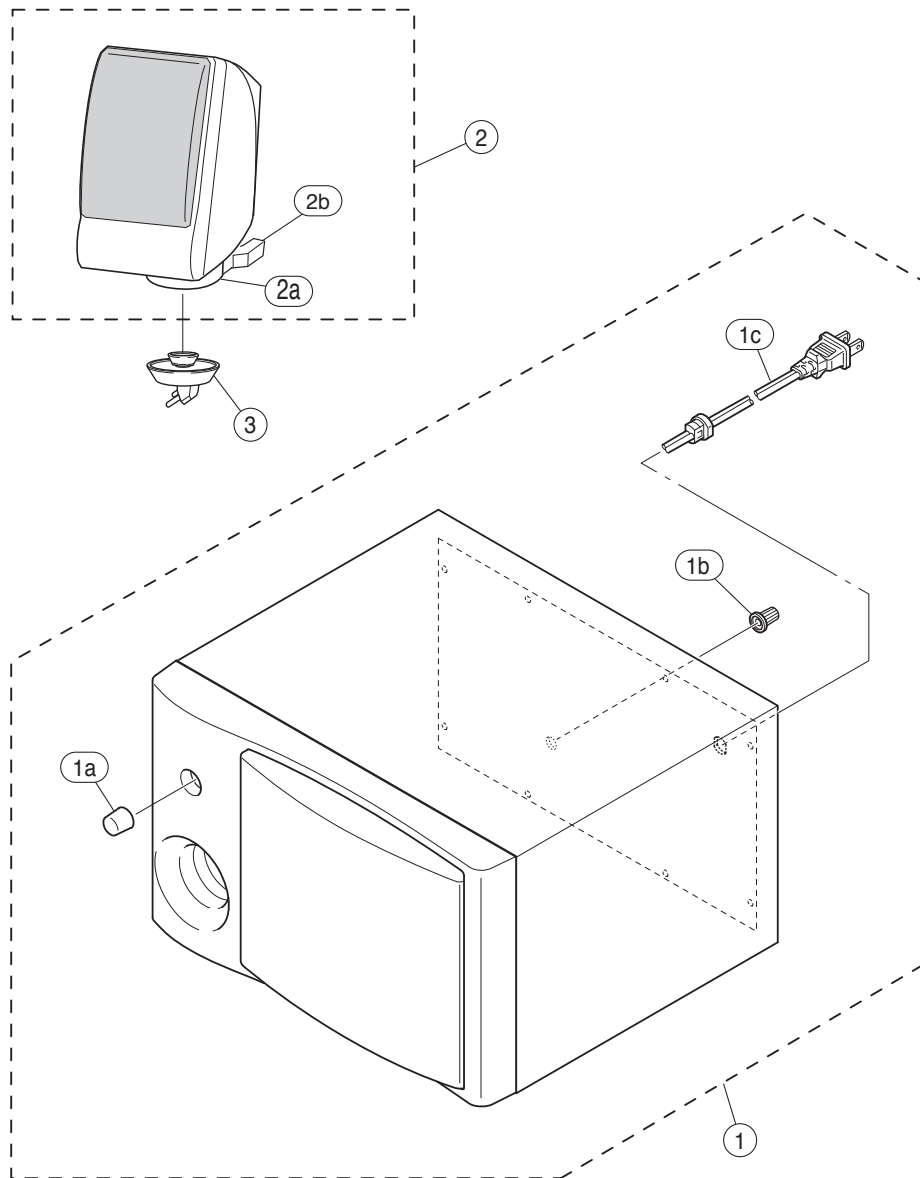
A : Australian model	M : South African model
B : British model	O : Chinese model
C : Canadian model	P : Brazilian model
D : German model	Q : South-east Asia model
E : European model	T : Taiwan model
F : French model	U : U.S.A. model
H : North European model	V : General export model (110V)
I : Indonesian model	W : General export model (230V)
J : Japanese model	N,X: General export model
K : Korean model	Y : Export model

■ WARNING

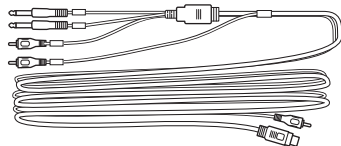
Components having special characteristics are marked  and must be replaced with parts having specification equal to those originally installed.

- 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.

WOOFER SPEAKER SYSTEM



ACCESSORY



CABLE SET
(RCA pin/8-pin - RCA pin/phone combination cable)

[illegible]

*: New Parts

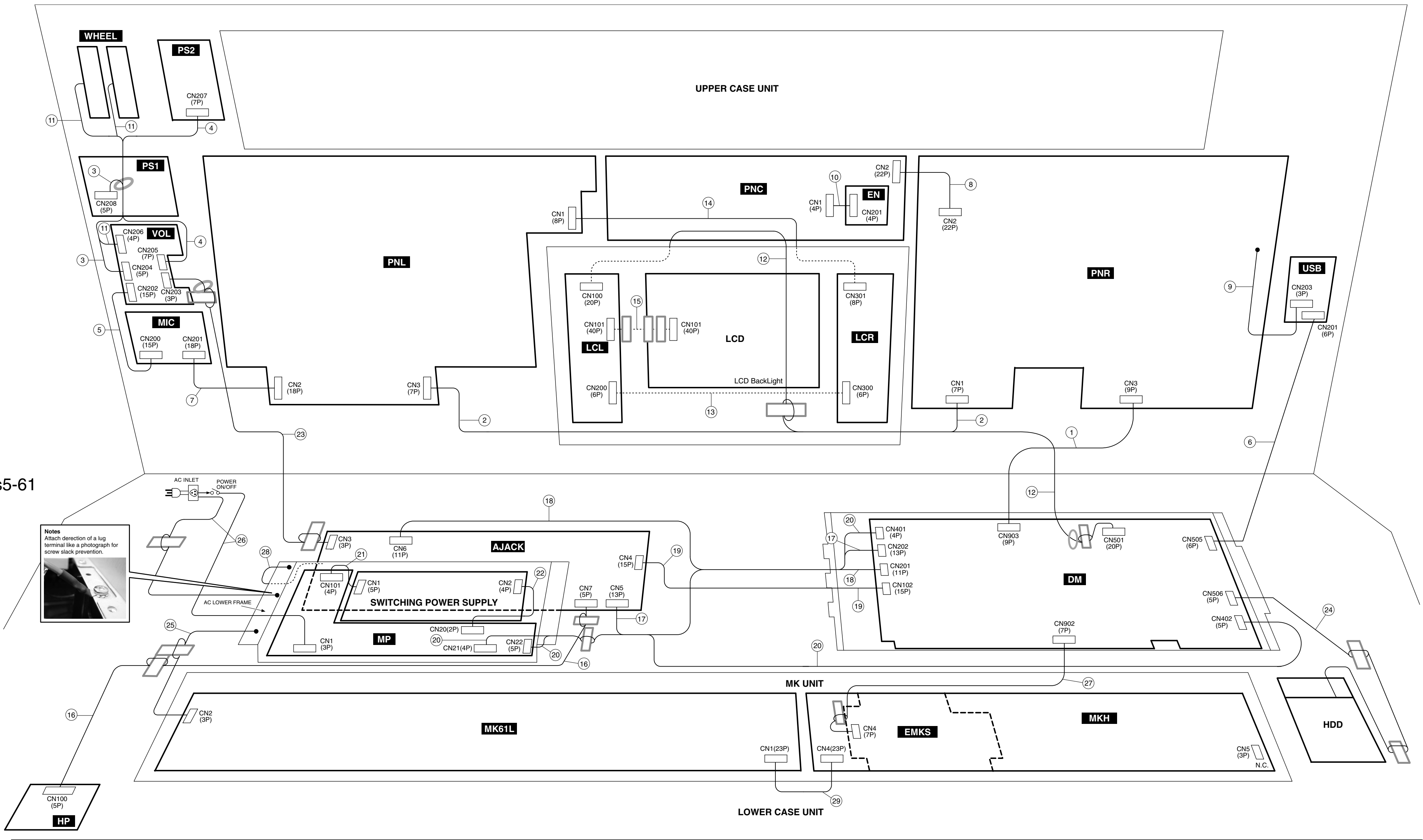
RANK: Japan only



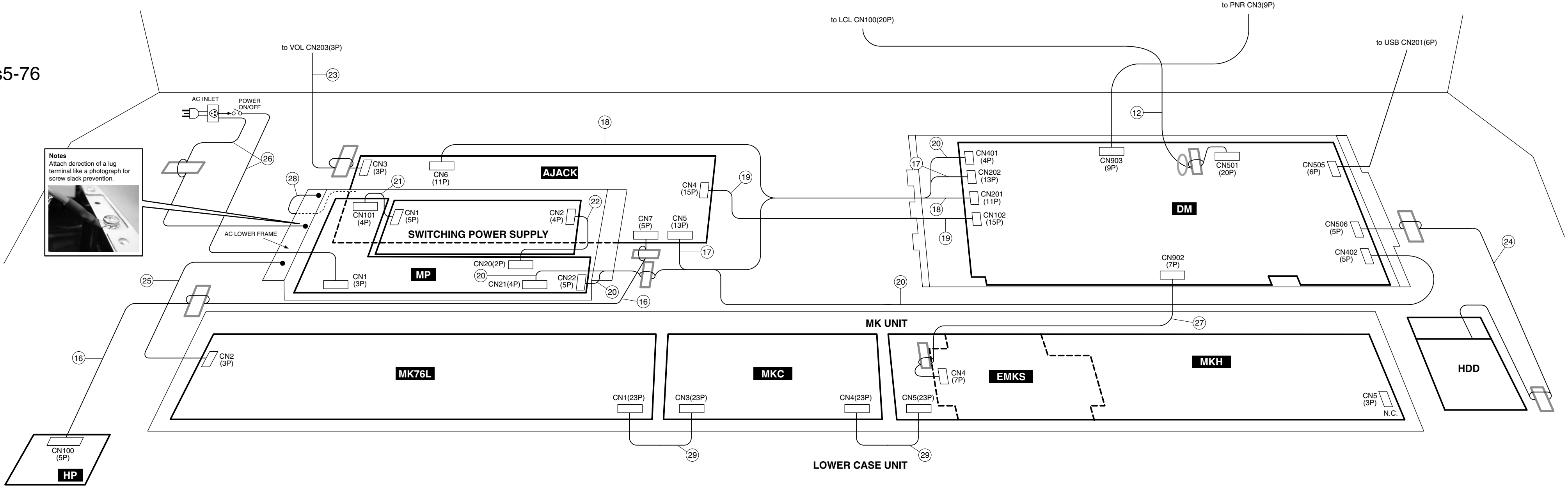
Tyros5-61/ Tyros5-76

Tyros5-61/ Tyros5-76 WIRING

Tyros5-61



Tyros5-76



No.	Unit Name	Location No.	Part No.	Connector Assembly	Destination		Remarks
①	UPPER CASE UNIT	UC1	(ZJ78600)	PH-S	DM-CN903	PNR-CN3	9P L=280
②		UC2	(ZG59860)	PH	PNL-CN3	PNR-CN1	7P L=500
③		UC3	(WE30910)	PH	VOL-CN204	PS1-CN208	5P L=150
④		UC4	(WE31510)	PH	VOL-CN205	PS2-CN207	7P L=150
⑤		UC5	(ZG59890)	GH	VOL-CN202	MIC-CN200	15P L=150
⑥		UC6	(ZF77410)	USB	USB-CN201	DM-CN505	6P L=520
⑦		UC7	ZG433100	FFC Cable	PNL-CN2	MIC-CN201	18P L=110
⑧		UC8	ZJ776600		PNR-CN2	PNR-CN2	18P L=210
⑨		UC9	(ZG59890)	GND3	USB-CN203	PNR	3P L=90
		(ZJ67210)					
⑩	PNC CIRCUIT BOARD	CN1	(WU65400)	DS-KR	PNC-CN1	EN-CN201	4P L=100 (Board Inn type)
⑪	WHEEL ASSEMBLY	70	(WE84700)	WHEEL	WHEEL ASSEMBLY	VOL-CN206	4P L=150,170
⑫	LCD UNIT	LD1	(ZG81250)	LVDS	DM-CN501	LCL-CN100	20P L=830
⑬		LD2	ZG433300	FFC Cable	LCL-CN200	LCR-CN300	6P L=230
⑭		LD3	ZJ776500	FFC-S	PNL-CN1	LCR-CN301	8P L=310
⑮		LD4	(ZH23070)	LCD-LF	LCL-CN101	LCD	40P L=130
⑯	LOWER CASE UNIT	LC1	(ZH19210)	PH-LF	HP-CN100	AJACK-CN7	5P L=700
⑰		LC2	(ZH19220)				5P L=800
⑱		LC3	(ZG59930)	GH-PH	DM-CN202	AJACK-CN5	13P L=300
⑲		LC4	(ZG59940)	GH-PH	DM-CN201	AJACK-CN6	11P L=490
		LC5	(ZG59950)	GH-PH	DM-CN102	AJACK-CN4	15P L=320
⑳		LC7	(ZJ67220)	PWR-LF	PH	MP-CN21	4P L=480 (ZJ67270)
㉑		LC8	(ZG59960)	VH	DM-CN402	MP-CN22	5P L=870 (ZG59980)
㉒		LC9	(ZG59970)	VH	MP-CN101	SWITCHING POWER SUPPLY-CN1	4P/5P L=70
㉓		LC10	(ZH19230)	MIC-LF	MP-CN20	SWITCHING POWER SUPPLY-CN2	4P/2P L=100
㉔		LC11	(WV77320)	USB Cable	AJACK-CN3	VOL-CN203	3P L=560
㉕		LC12	(ZG78020)				3P L=590
㉖	LC11	(ZJ67210)	GND3	DM-CN506	HDD	5P L=650	
㉗	LC12	(ZG60050)				5P	
㉘	LC11	(ZJ67210)	GND3	MKL-CN2 (3P)	AC LOWER ASSEMBLY	1P L=170	
㉙	LC12	(ZH20400)	ACIN-LF	INLET/POWER SWITCH	MP-CN1	1P L=250	
㉚	LC12	(ZH20400)	GND	INLET/POWER SWITCH	AC LOWER ASSEMBLY	3P	
㉛	MK UNIT	MK1	(ZG60080)	KB-LF	DM-CN902	EMKS-CN4	7P L=500
㉜	AJACK CIRCUIT BOARD	CN1	(ZH86880)	GND	AJACK-CN1(goldenring)	AC LOWER ASSEMBLY	1P L=100
㉝	KEYBOARD ASSEMBLY	230	WF12750R	CABLE RELAY (FFC)	MK61L-CN1	MKH-CN4	23P L=114
					MK76L-CN1	MKC-CN3	23P L=114
					MKC-CN4	MKH-CN5	23P L=114

The parts that correspond to the number with () are not prepared as service parts.

DATA LINE FILTER
CORD BINDER

OVERALL ASSEMBLY: 2NC-ZG32660-4
UPPER CASE UNIT: 2NBEX-ZG32630-7
LCD UNIT: 2NBEX-ZG32590-3
LOWER CASE UNIT: 2NBEX-ZG32550-4

OVERALL ASSEMBLY: 2NC-ZG32670-4
UPPER CASE UNIT: 2NBEX-ZG32640-7
LCD UNIT: 2NBEX-ZG32590-3
LOWER CASE UNIT: 2NBEX-ZG32560-4



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

DM 003/7

LCD

MAIN CPU

USB 2.0 MTT HUB CONTROLLER

USB CONTROLLER

HIGH SIDE SWITCH

HIGH SIDE SWITCH

HIGH SIDE SWITCH

INVERTER

INVERTER

RGB CONTROLLER AVDP7

BUFFER

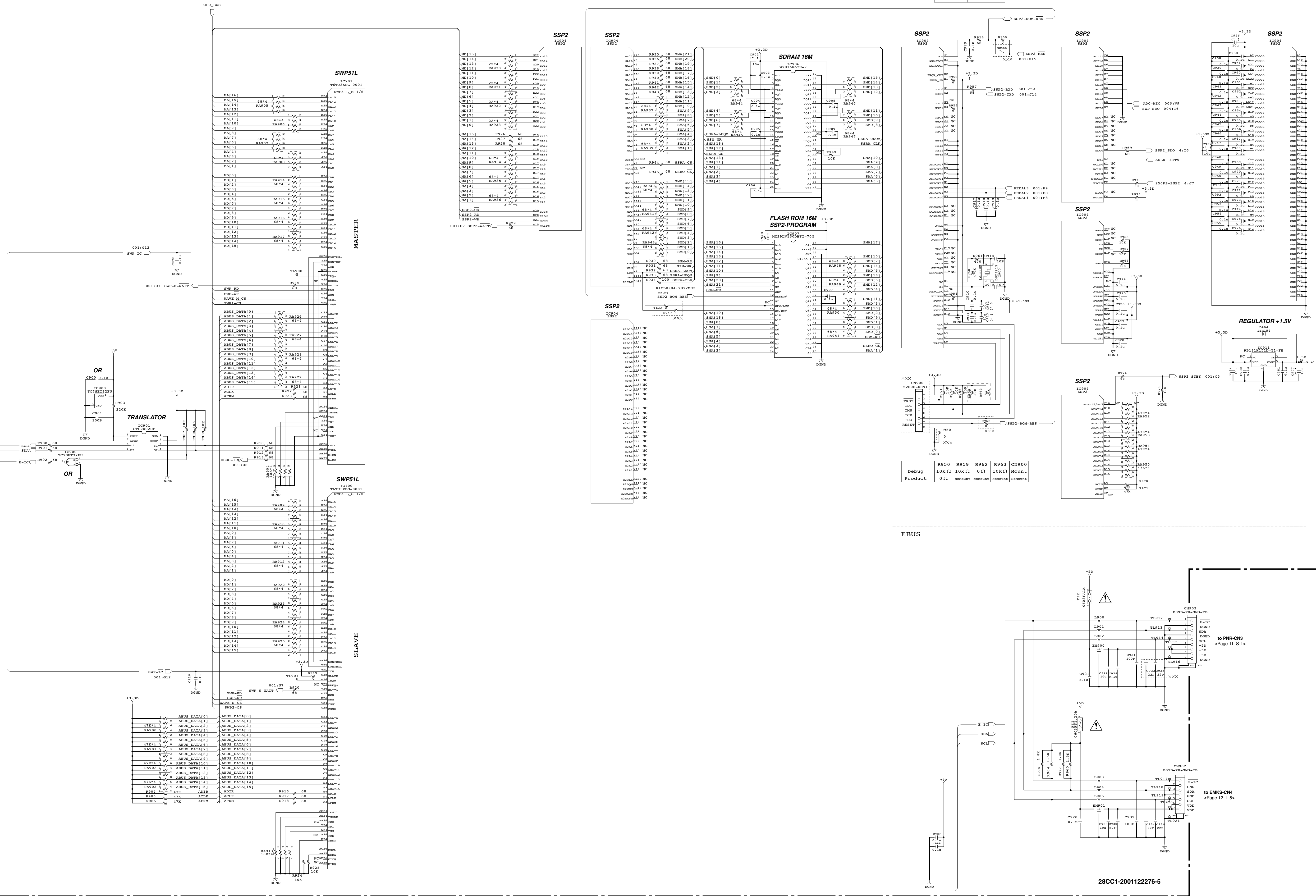
SDRAM 16M

28CC1-2001122276-3

Not Installed
Note : See parts list for details of circuit board component parts.



DM 005/7



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

Not Installed
Note : See parts list for details of circuit board component parts.

Tyros5-61/Tyros5-76 OVERALL CIRCUIT DIAGRAM 6/13 (DM 006)

DM 006/7

MAIN OUT

SUB 1/2

SUB 3/4

SUB 4

SUB 5

SUB 6

SUB 7

SUB 8

SUB 9

SUB 10

SUB 11

SUB 12

SUB 13

SUB 14

SUB 15

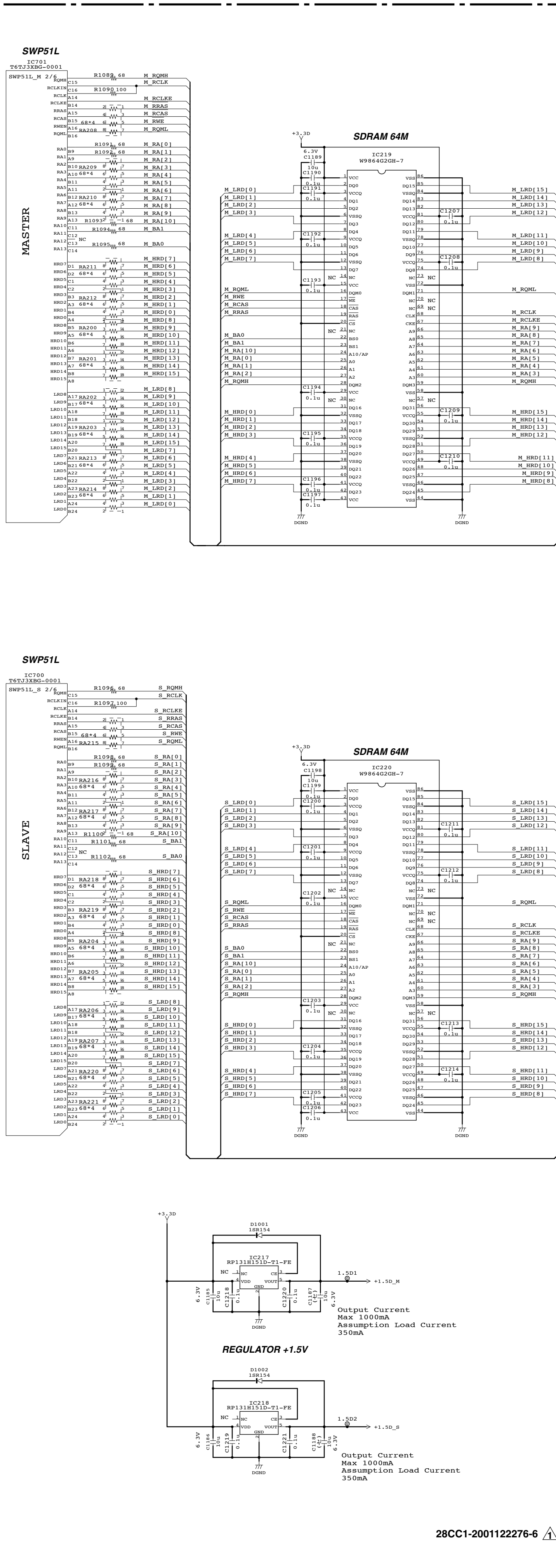
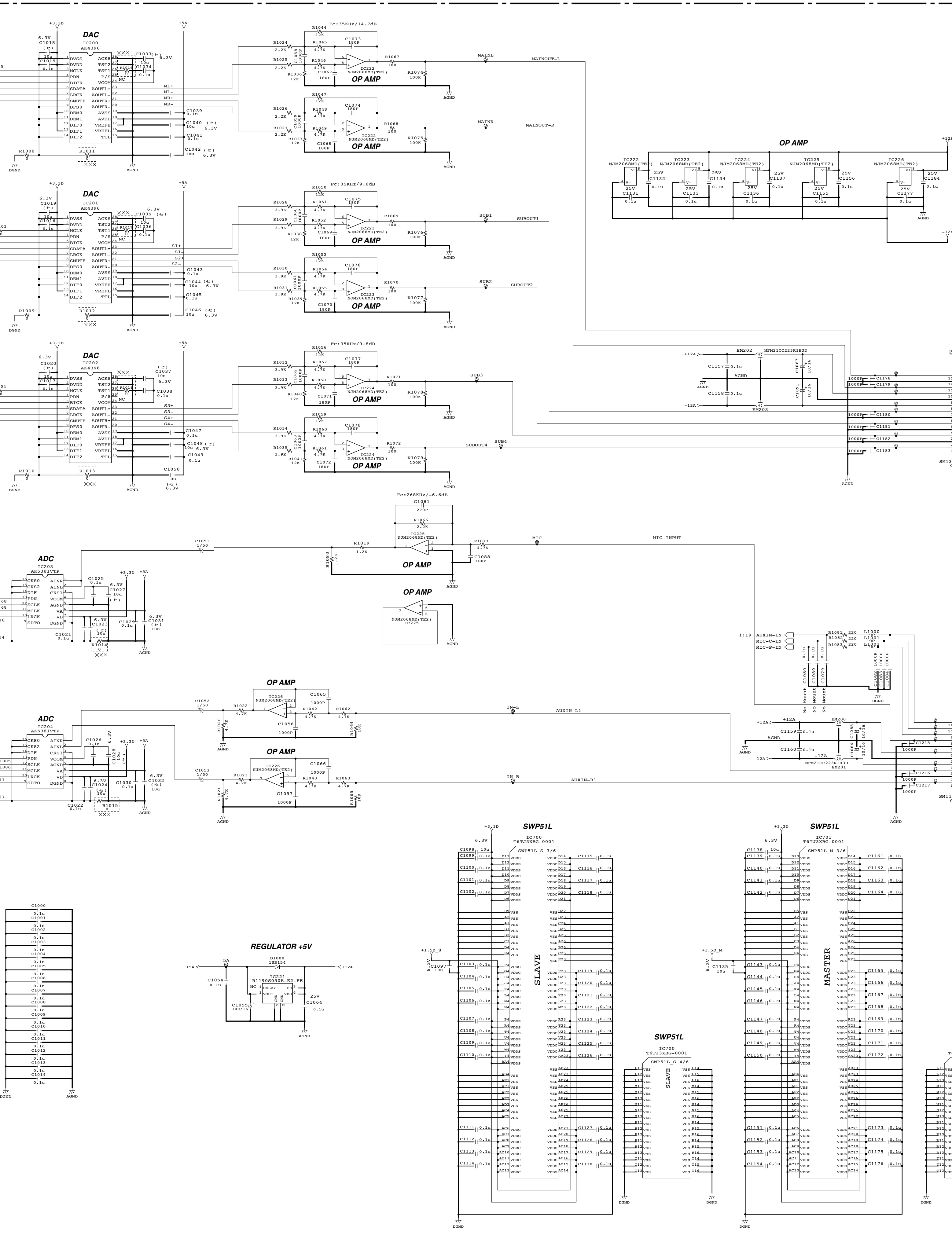
SUB 16

SUB 17

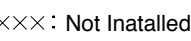
SUB 18

SUB 19

SUB 20

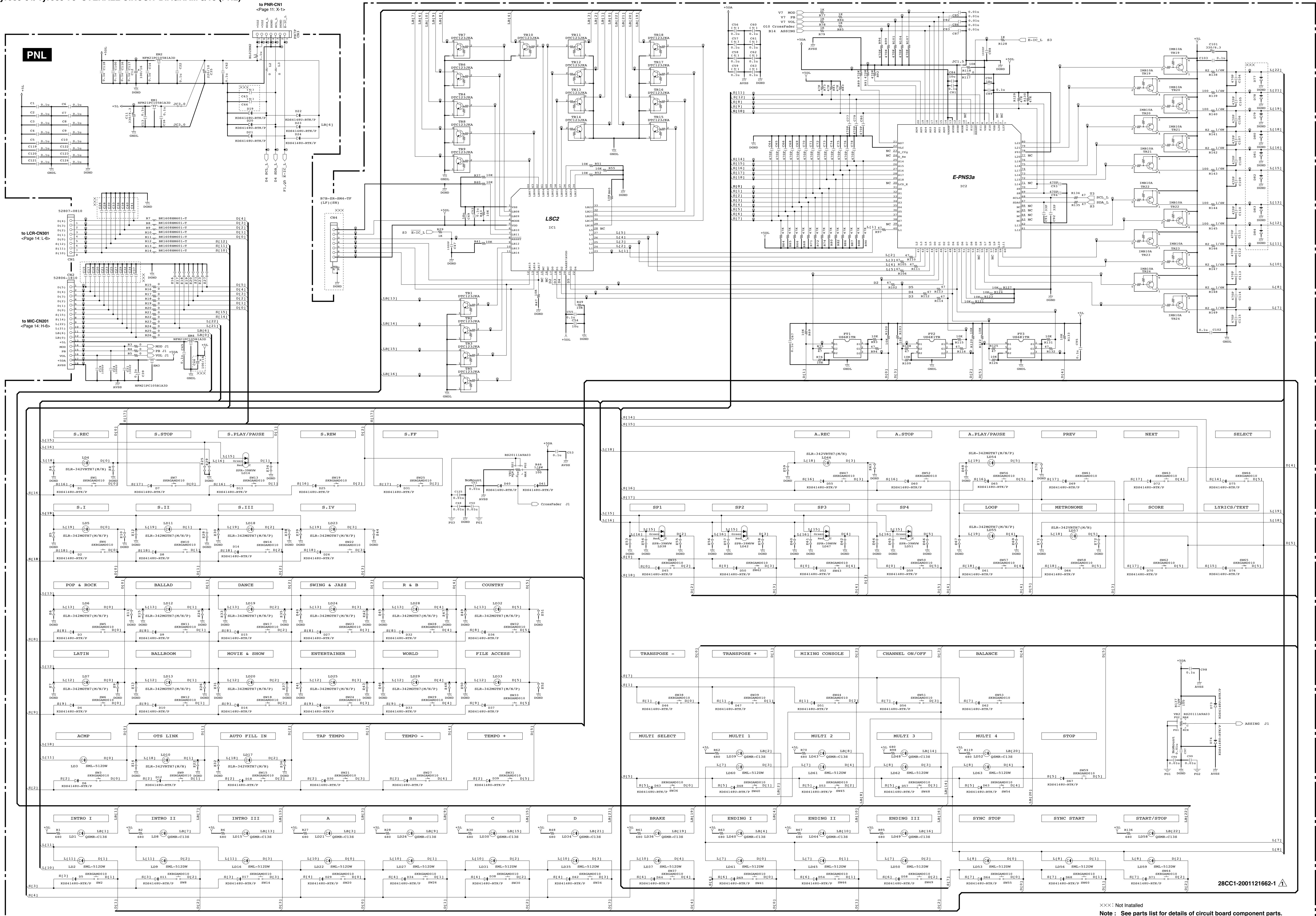


XXXX: Not Installed
Note : See parts list for details of circuit board component parts.



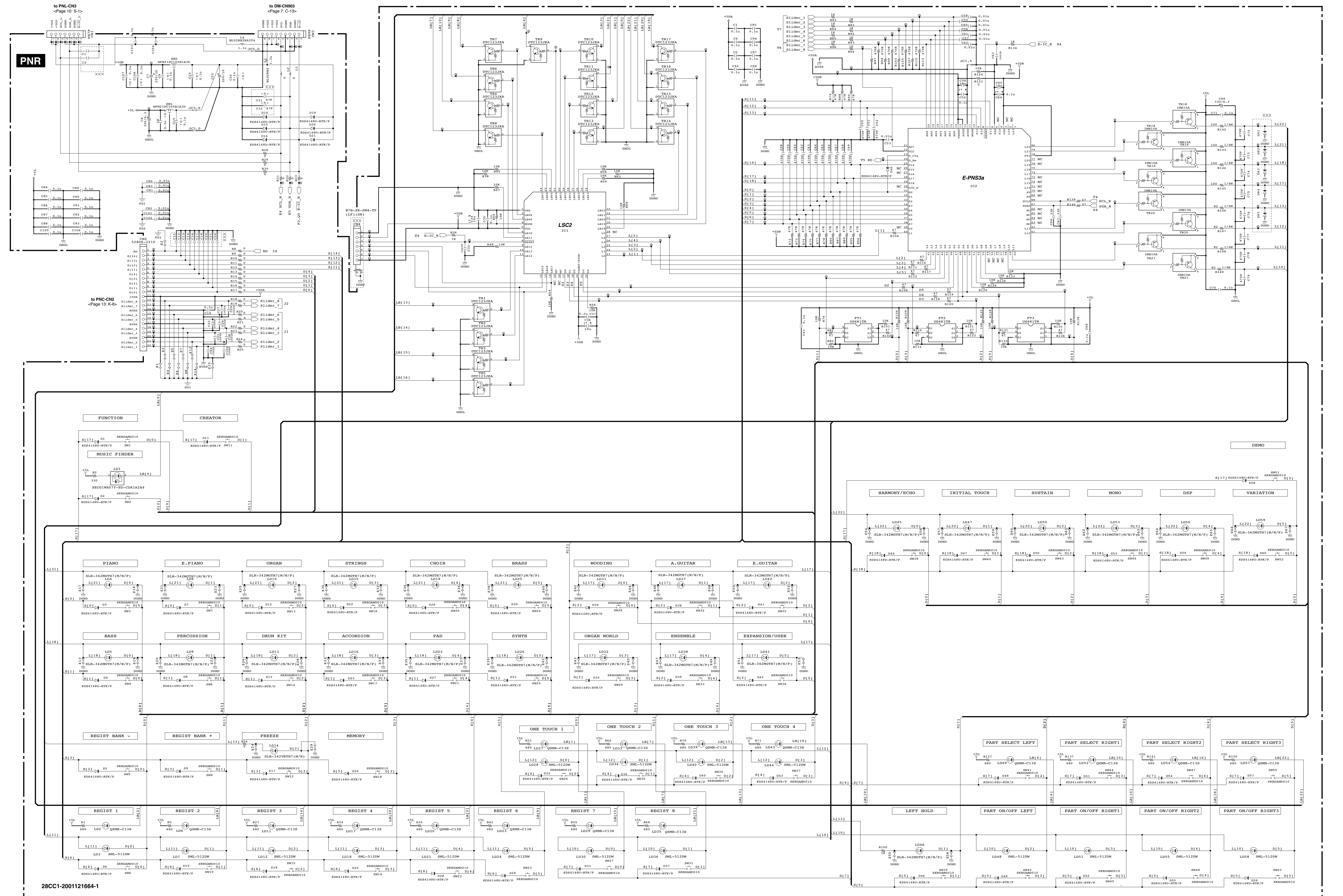
Note : See parts list for details of circuit board component parts

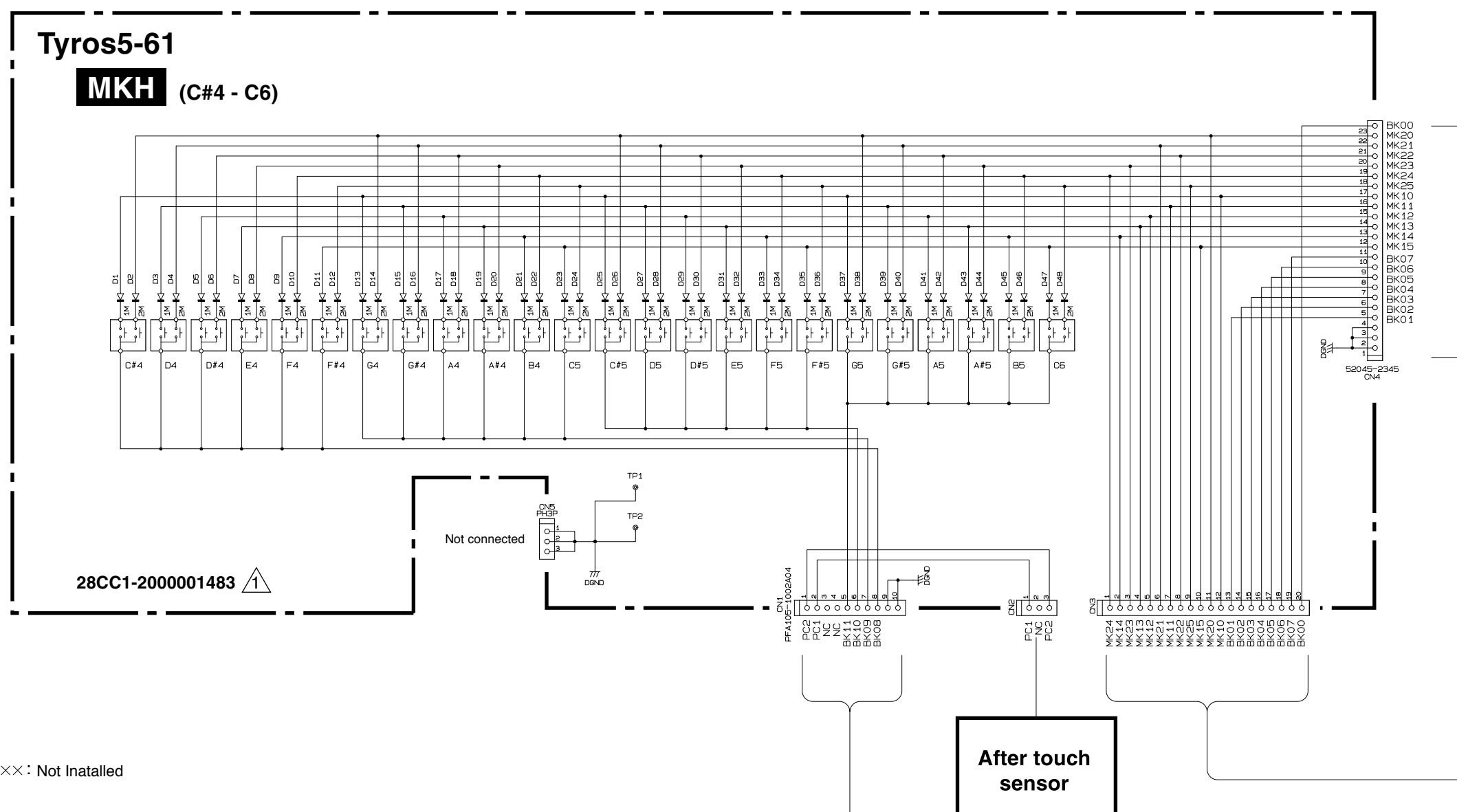
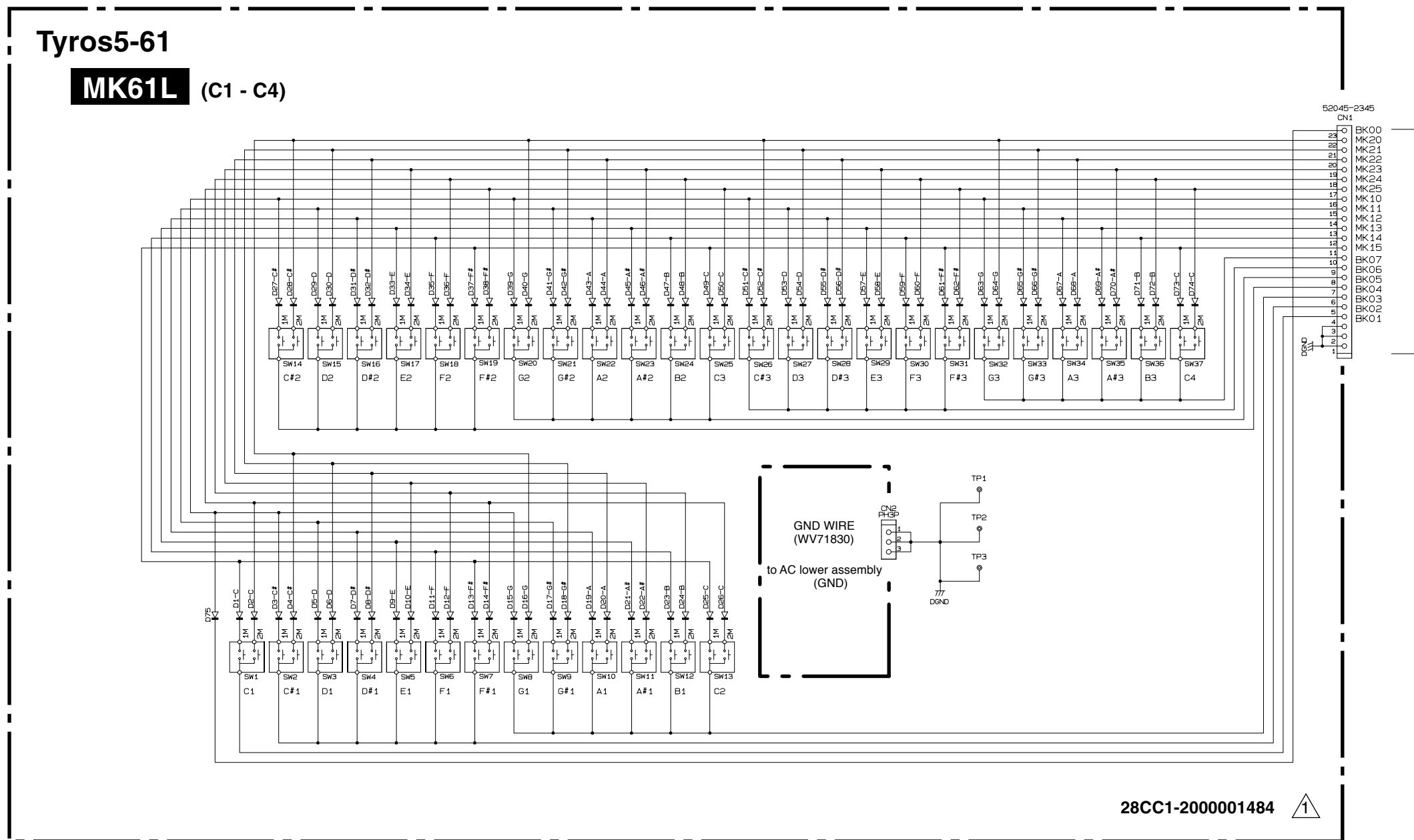
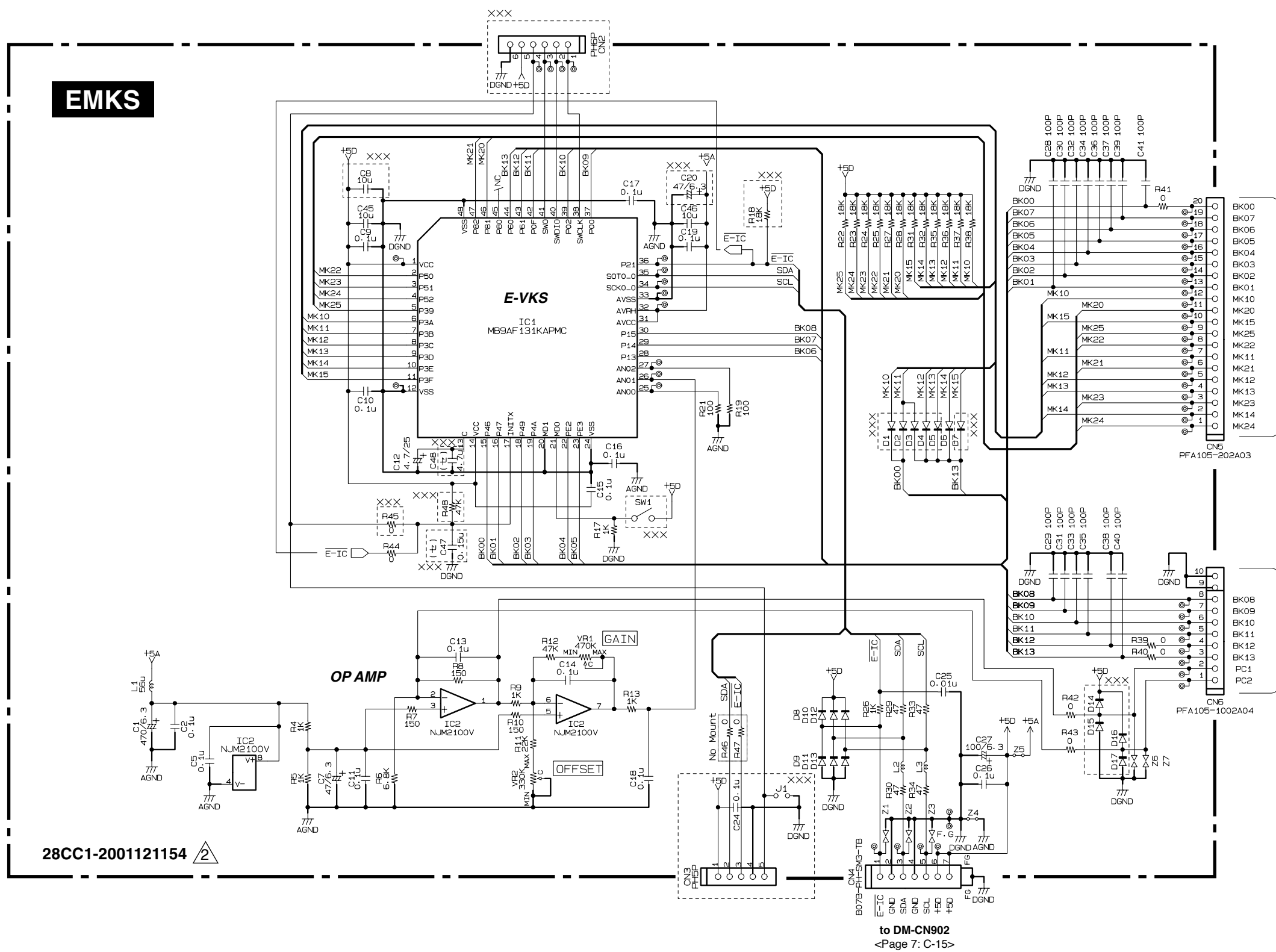
Tyros5-61/Tyros5-76 OVERALL CIRCUIT DIAGRAM 8/13 (PNL)



28CC1-2001121662-1
Note : See parts list for details of circuit board component parts.

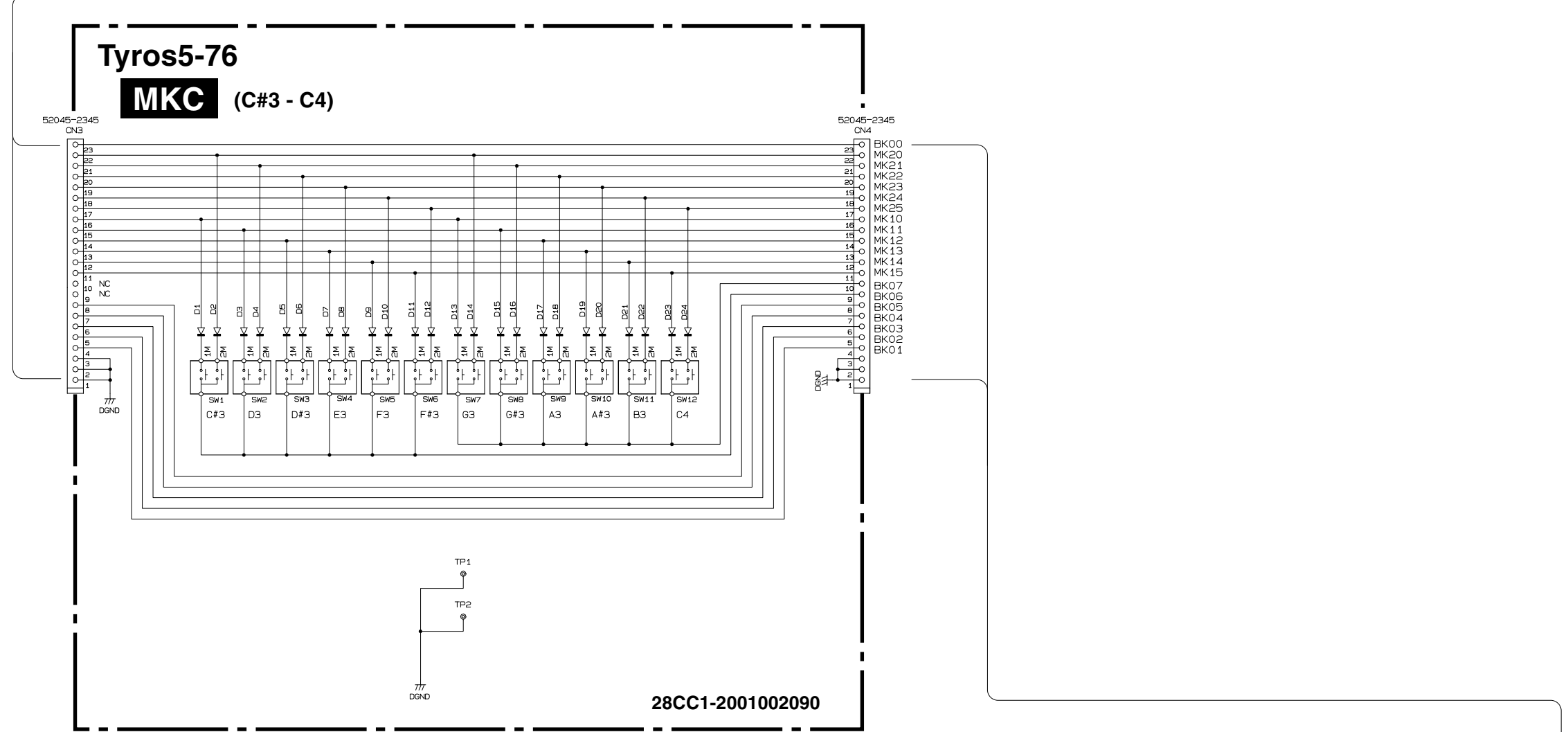
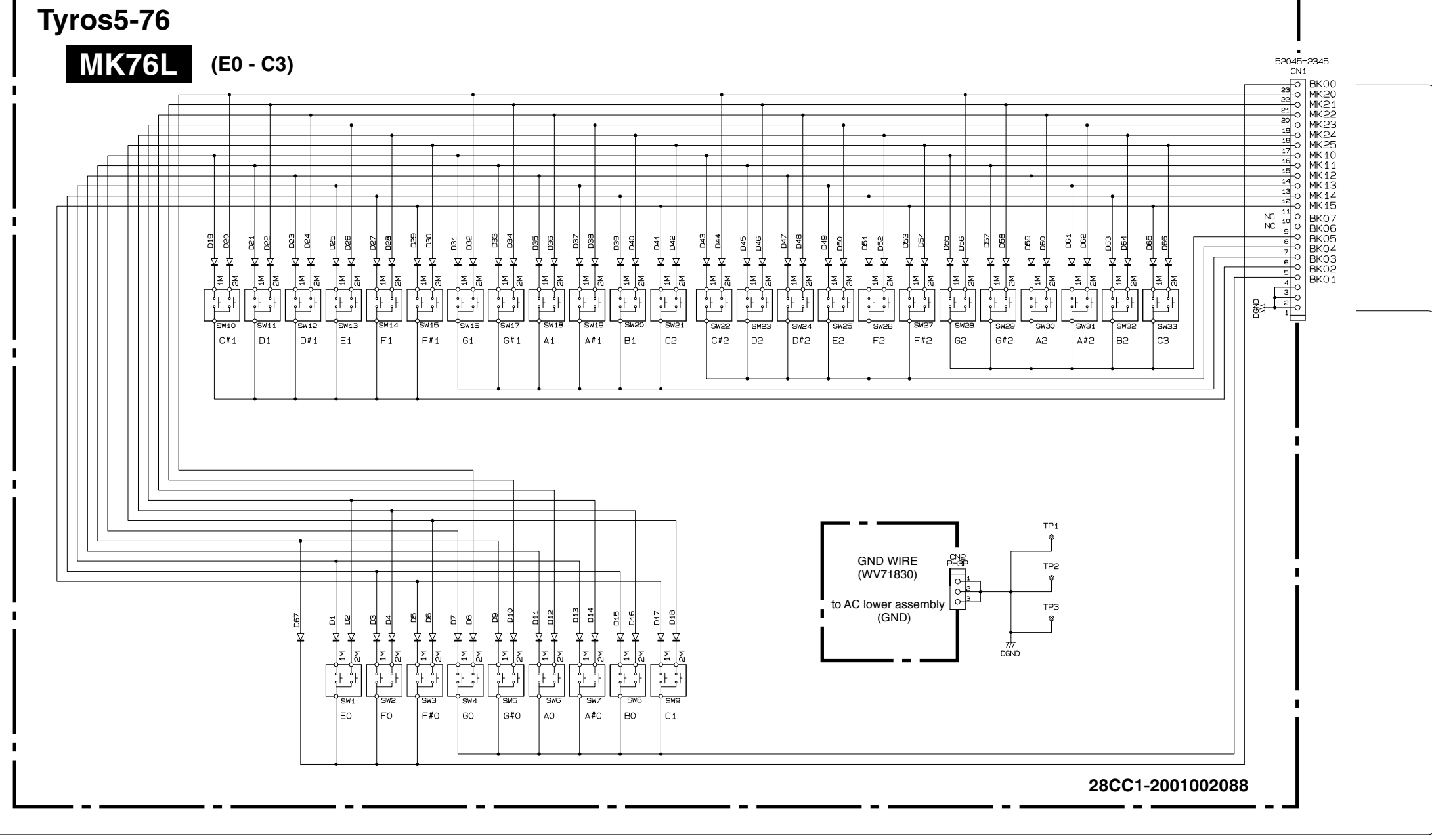
Tyros5-61/ Tyros5-76 OVERALL CIRCUIT DIAGRAM 9/13 (PNR)



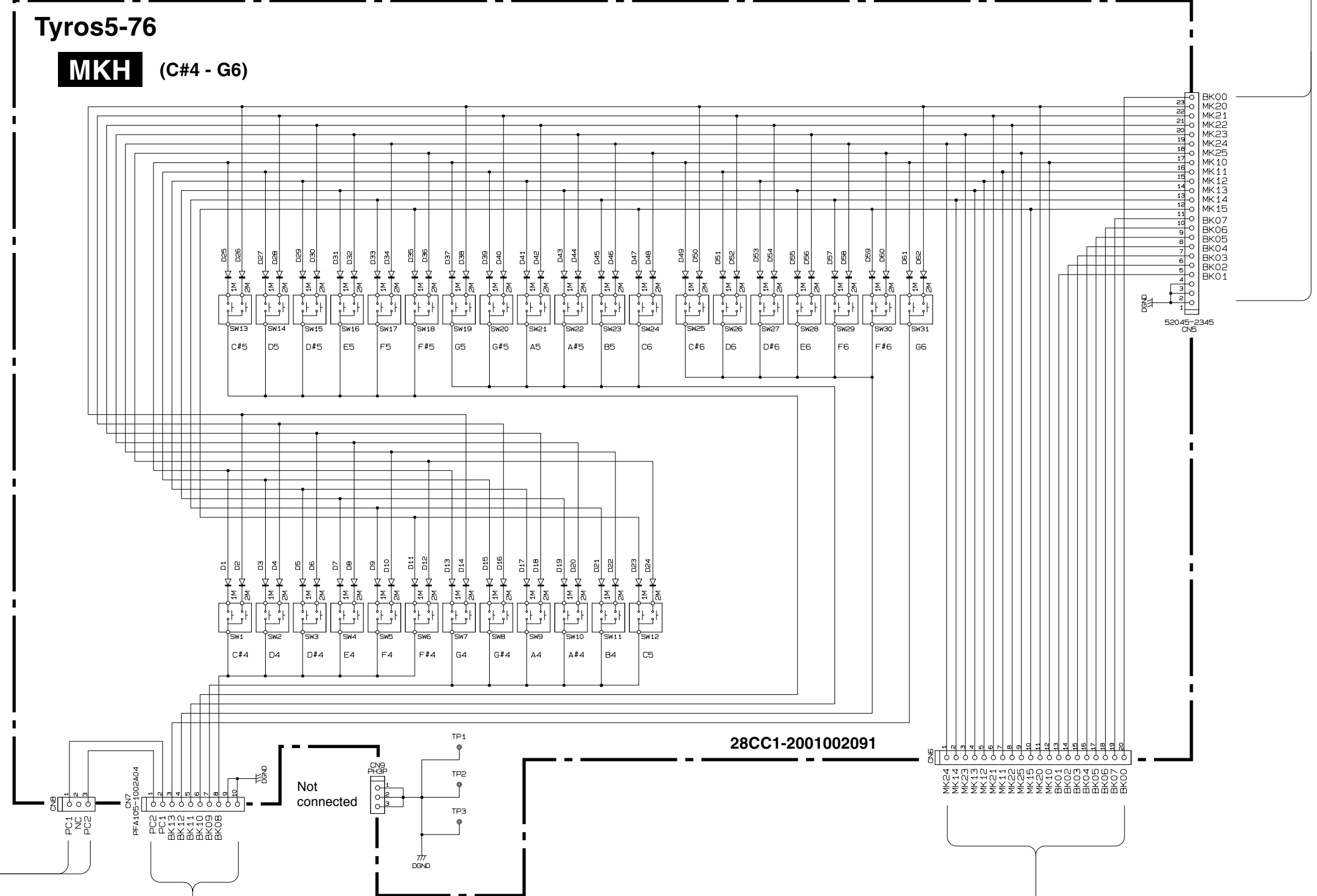


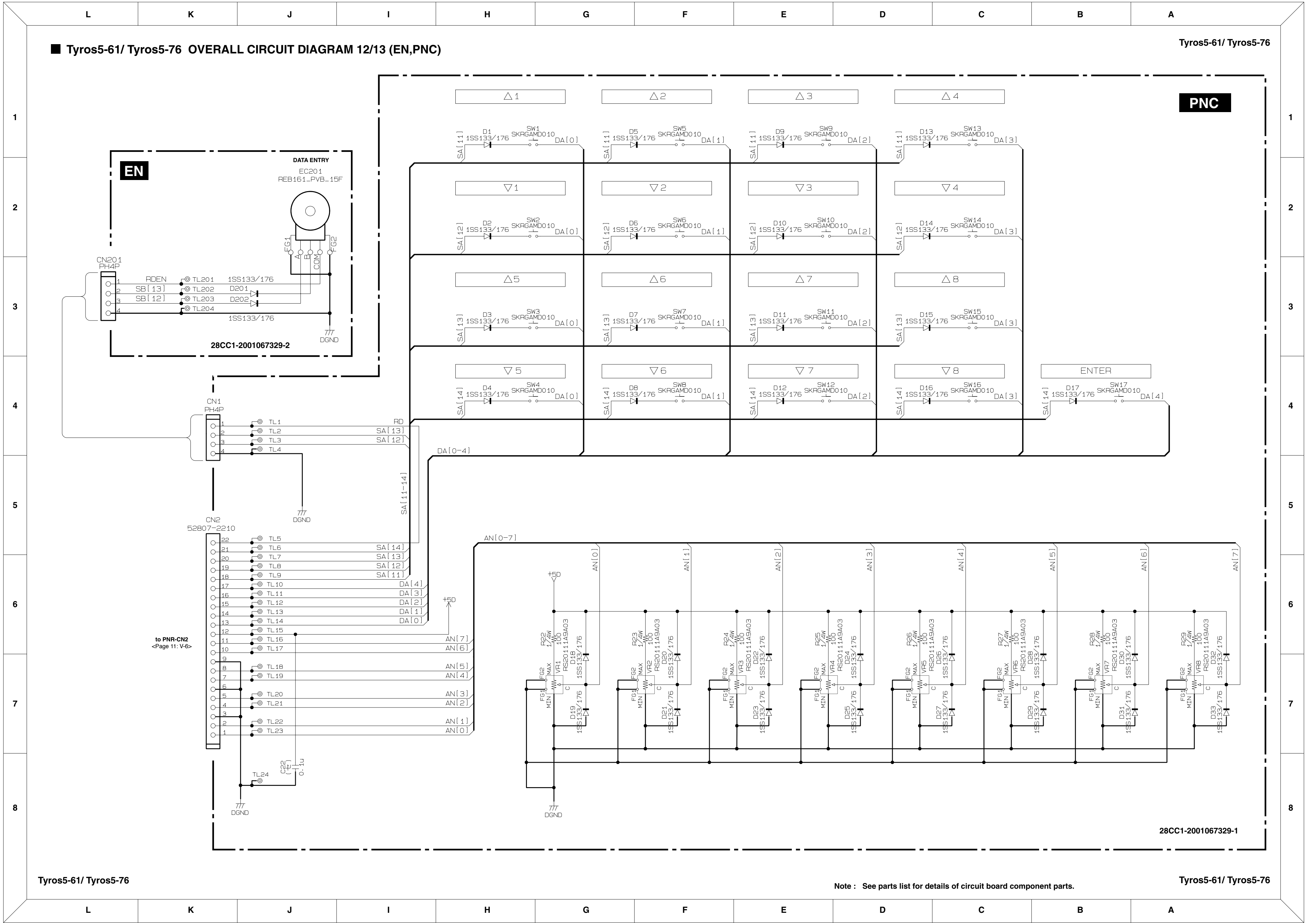
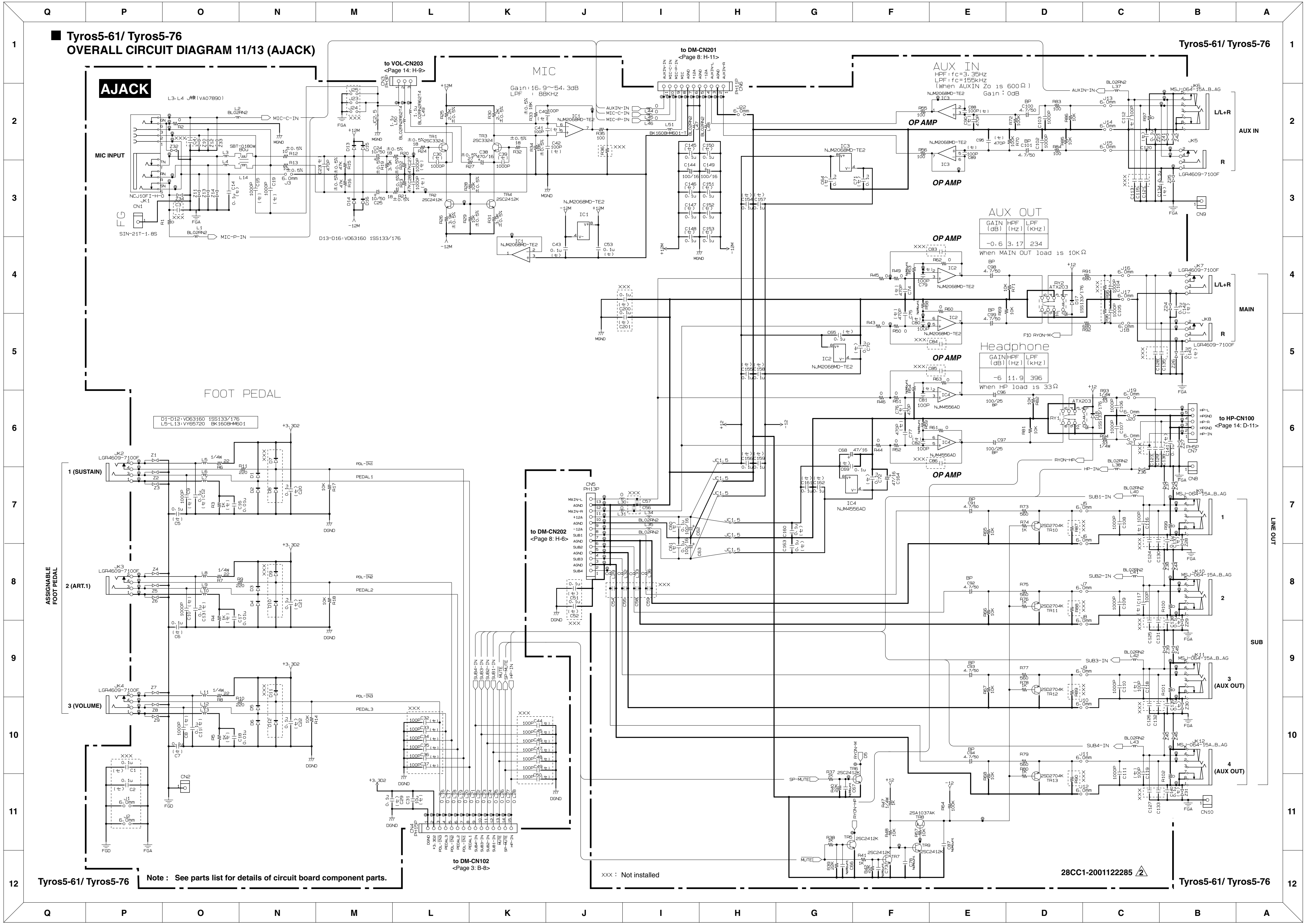
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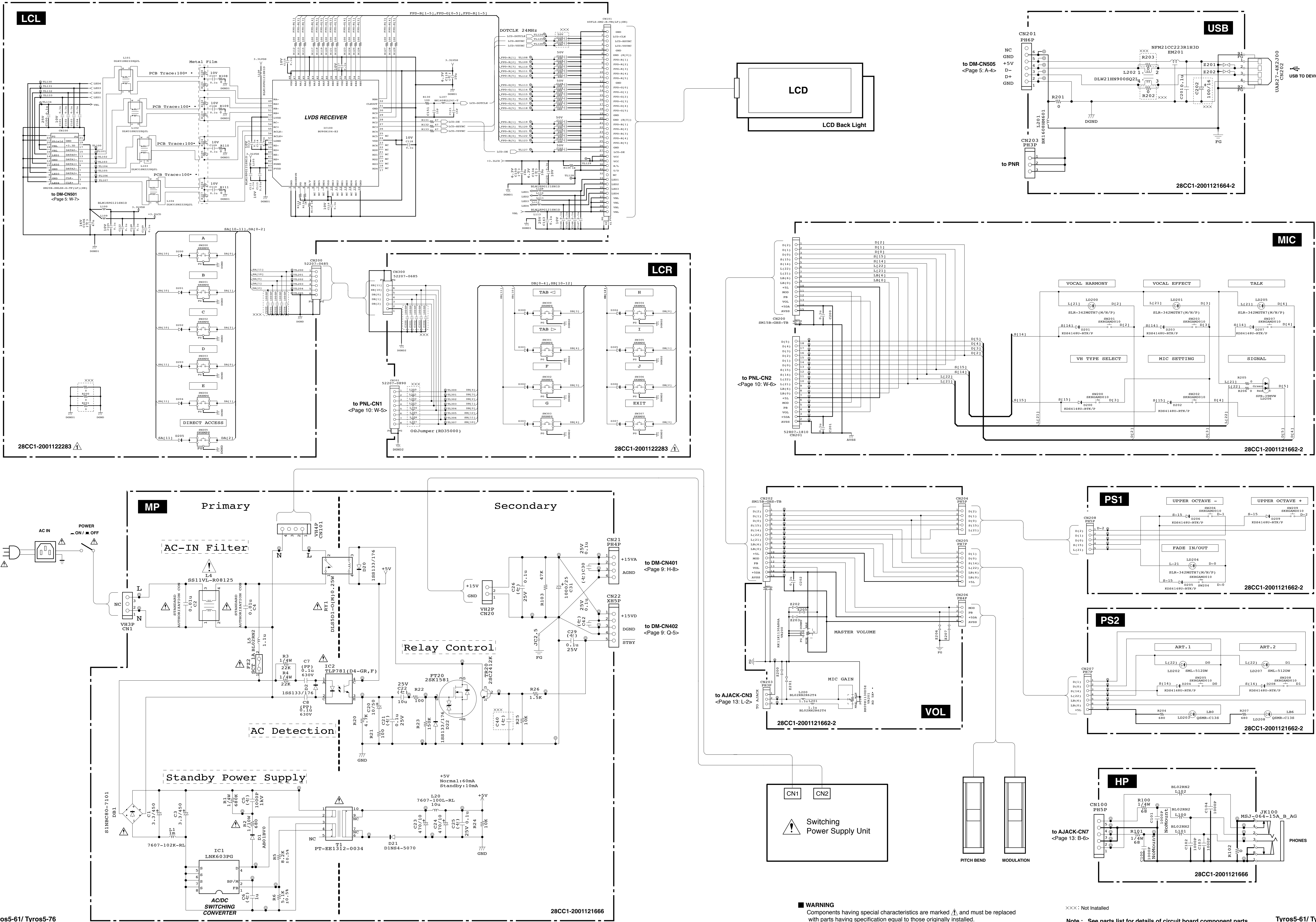
Note : See parts list for details of circuit board component parts



After touch sensor







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

XXX: Not Installed

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