DIGITAL WORKSTATION

PSR-S550/PSR-S550B

SERVICE MANUAL

PSR-S550

PSR-S550B

■ **CONTENTS（目次）**

PK 001810

YAMAHA
HAMAMATSU, JAPAN

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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.

WARNING

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

SAVING DATA

Saving and backing up your data

Be sure to perform it

The panel settings and some other types of data are not retained in memory when you turn off the power to the instrument. Save data you want to keep to the Registration Memory.
Saved data may be lost due to malfunction or incorrect operation.
Save important data to a USB storage device/or other external device such as a computer.

Backing up the USB storage device/external media

Be sure to perform it

To protect against data loss through media damage, we recommend that you save your important data onto two USB storage devices/external media.

■ SPECIFICATIONS

Keyboards
- 61 Standerd-size keys (C1–C6), with Touch Response.

Display
- 320 x 240 dots LCD display (backlit)

Setup
- STANDBY/ON
- MASTER VOLUME: MIN–MAX
- LCD CONTRAST

Panel Controls
- DEMO, SONG MODE
- SONG-PRESET, SONG-USER, SONG-SCORE, SONG-LYRICS, SONG-REC
- USB
- STYLE CATEGORY, VOICE CATEGORY
- TRANSPOSE [-] [+], METRONOME, TAP TEMPO, TEMPO [-] [+]
- OTS LINK, AUTO FILL IN, ACMP, INTRO [1]–[3], MAIN VARIATION [A]–[D], ENDING/rit. [1]–[3] (REW) (FF), SYNC STOP (A-B REPEAT), SYNC START (PAUSE), START/STOP
- REGIST/PART [MIXER], MEMORY, REGIST BANK [-] [+], REGISTRATION MEMORY [1]–[8], STYLE [1]–[8], SONG [1/9]–[8/16], EXIT, CATEGORY [◀] [▶], Dial, [+/YES] [-/NO]
- EXECUTE, MDB, FILE MENU, FUNCTION, ONE TOUTCH SETTING [1]–[4], LEFT, DUAL, HARMONY, TOUCH, SUSTAIN, DSP, UPPER OCTAVE [-] [+]

Realtime Control
- Pitch Bend Wheel

Voice
- 294 Voices + 12 Drum Kits + 10 SFX Kits + 480 XG Voices (Included 11 Regional Voices and 8 Regional Drum/Percussion Kits)
- Polyphony: 64
- LEFT
- DUAL

Style
- 176
- Style Control: ACMP ON/OFF, SYNC STOP, SYNC START, START/STOP, INTRO [1]–[3], MAIN VARIATION [A]–[D], ENDING/rit. [1]–[3], AUTO FILL IN
- Style Creator
- Fingering: Multi Finger, Full Keyboard
- Style Volume

Music Database
- 600

Registration Memory
- 8 banks x 8 memories
- Regist Clear

Mixer
- Volume, Pan, Reverb, Chorus

Function
- VOLUME: Style Volume, Song Volume
- OVERALL: Tuning, Pitch Bend Range, Split Point, Touch Sensitivity, Chord Fingering
- MAIN VOICE: Volume, Octave, Pan, Reverb Level, Chorus Level, DSP Level, Dry Level
- DUAL VOICE: Volume, Octave, Pan, Reverb Level, Chorus Level, DSP Level, Dry Level
- LEFT VOICE: Volume, Octave, Pan, Reverb Level, Chorus Level, DSP Level, Dry Level
- EFFECT: Reverb Type, Chorus Type, DSP Type, Master EQ Type
- HARMONY: Harmony Type, Harmony Volume
- PC: PC Mode
- MIDI: Local On/Off, External Clock, Keyboard Out, Style Out, Song Out, Initial Setup
- METRONOME: Time Signature Numerator, Time Signature Denominator, Bell On/Off, Metronome Volume
- SCORE: Quantize, Right-Part, Left-Part
- UTILITY: Demo Cancel, TG Mode
- LANGUAGE: Language

Effects
- Harmony: 26 types
- Reverb: 35 types
- Chorus: 44 types
- DSP: 237 types

Song
- 5 Preset Songs + User Songs + USB Memory
- Song Clear, Track Clear
- Song Volume
- Song Control: A-B REPEAT, PAUSE, REW, FF, START/STOP

Recording
- Song
  - User Song: 5 Songs
  - Recording Tracks: 1–16, STYLE
- Style Creator

MIDI
- Local On/Off
- Initial Setup
- External Clock
- Keyboard Out
- Style Out
- Song Out

Auxiliary jacks
- PHONES/OUTPUT, DC IN 16V, USB TO HOST, USB TO DEVICE, SUSTAIN

Amplifier
- 12W x 2

Speakers
- (12cm + 3cm) x 2

Power Consumption
- 25W

Power Supply
- Adaptor: Yamaha PA-301 or PA-300 AC power adaptor

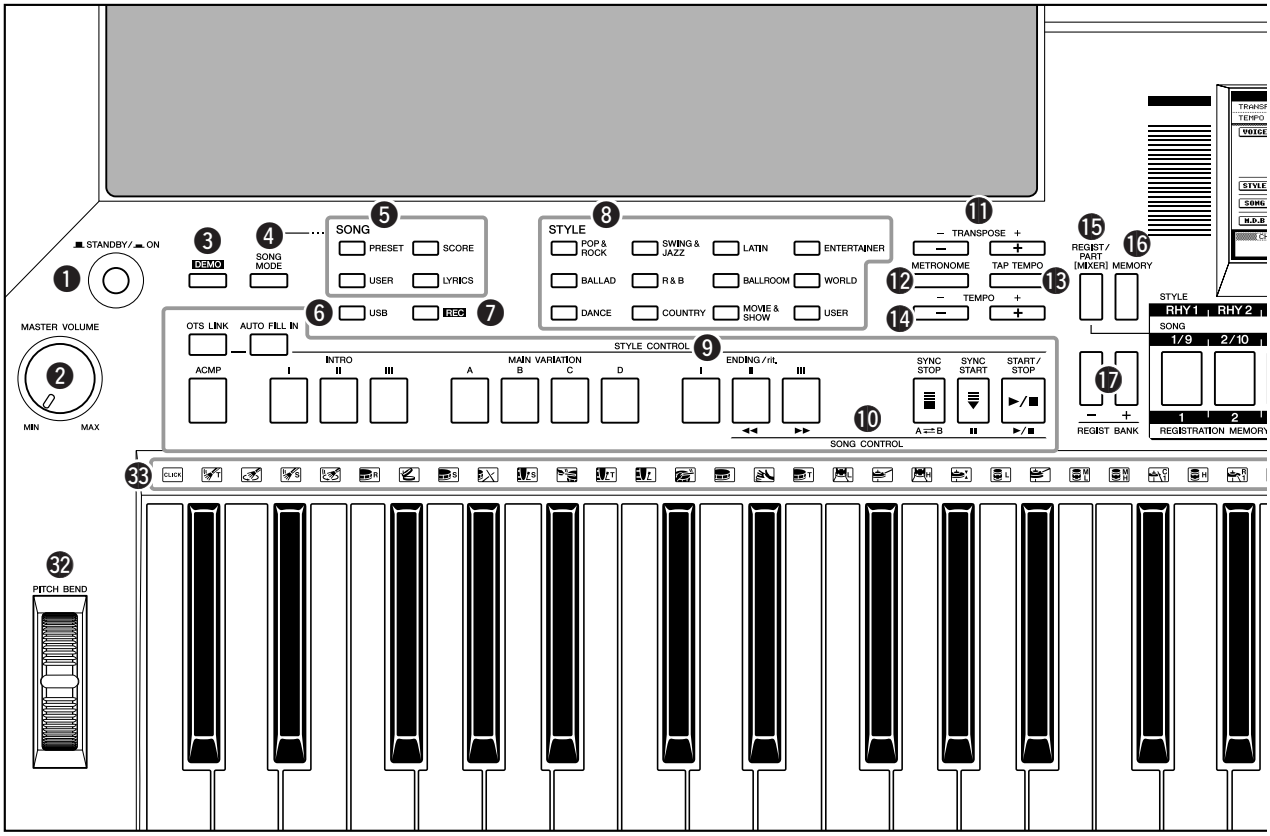
Dimensions (W x D x H)
- 946 x 402 x 130 mm (37-1/4" x 15-7/8" x 5-1/8")

Weight
- 7.5kg (16 lbs., 9 oz.)

Supplied Accessories
- Music Rest
- Accessory CD-ROM
- Owner's Manual
- AC Power adaptor (May not be included depending on your particular area.)

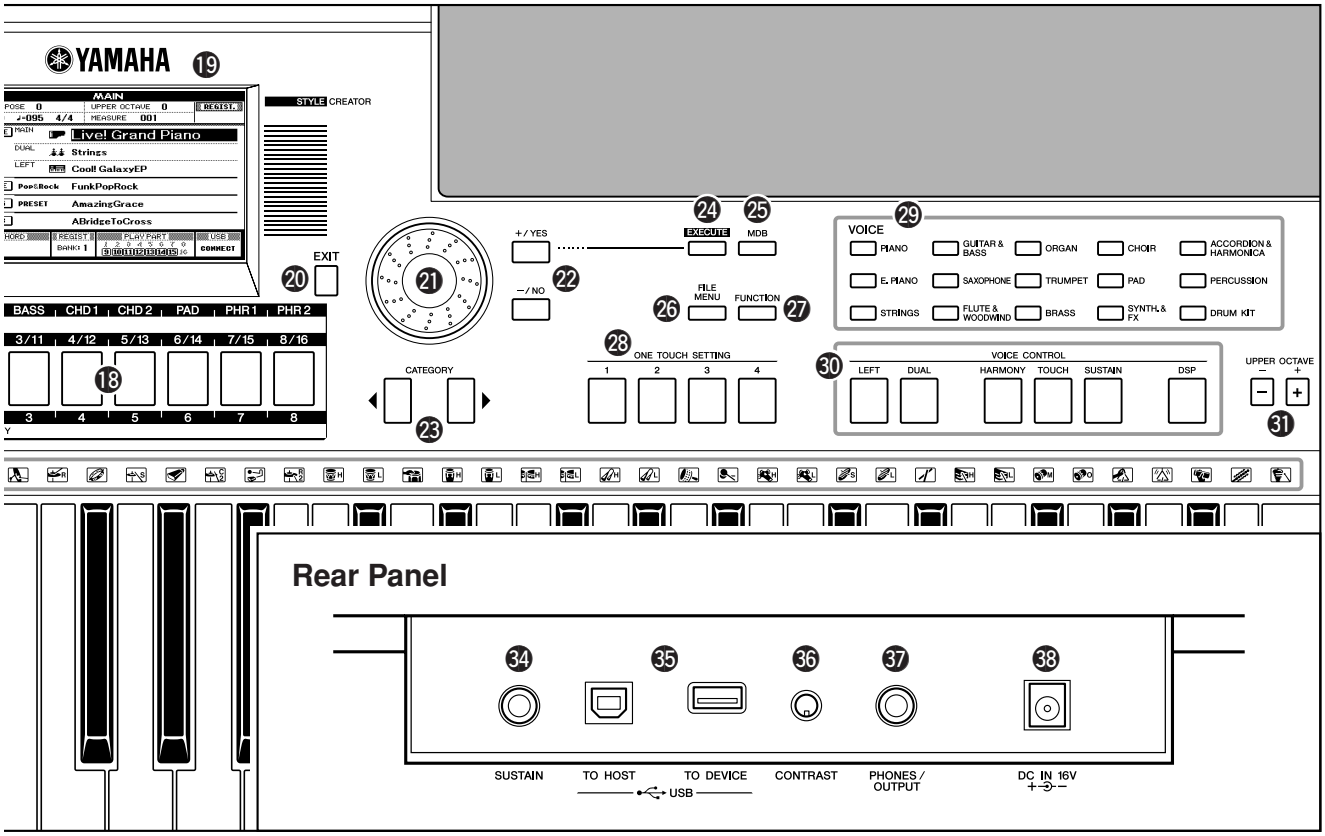
Optional Accessories
- Headphones: HPE-150
- Keyboard Stand: L6
- Foot Switch: FC4/FC5

■ PANEL LAYOUT



• Front Panel

❶ [STANDBY/ON] switch
❷ [MASTER VOLUME] control
❸ [DEMO] button
❹ [SONG MODE] button
❺ SONG
[PRESET], [USER], [SCOPE]
[LYRICS] buttons
❻ [USB] button
❼ [REC] button
❽ STYLE
❾ STYLE CONTROL
[OTS LINK], [AUTO FILL IN], [ACMP]
INTRO[I]-[III], MAIN VARIATION [A]-[D]
ENDING/rit. [I]-[III], [SYNC STOP]
[SYNC START], [START/STOP] buttons
❿ SONG CONTROL
[◀◀], [▶▶], [A ⇄ B], [▮▮], [▶ / ■] buttons
⓫ TRANSPOSE [+] and [–] buttons
⓬ [METRONOME] button
⓭ [TAP TEMPO] button
⓮ TEMPO [+] and [–] buttons
⓯ [REGIST/PART[MIXER]] button
⓰ [MEMORY] button
⓱ REGIST BANK [+] and [–] buttons
⓲ Style Part/Song Part [1/9]-[8/16]/
REGISTRATION MEMORY [1] - [8] buttons
⓳ DISPLAY
⓴ [EXIT] button



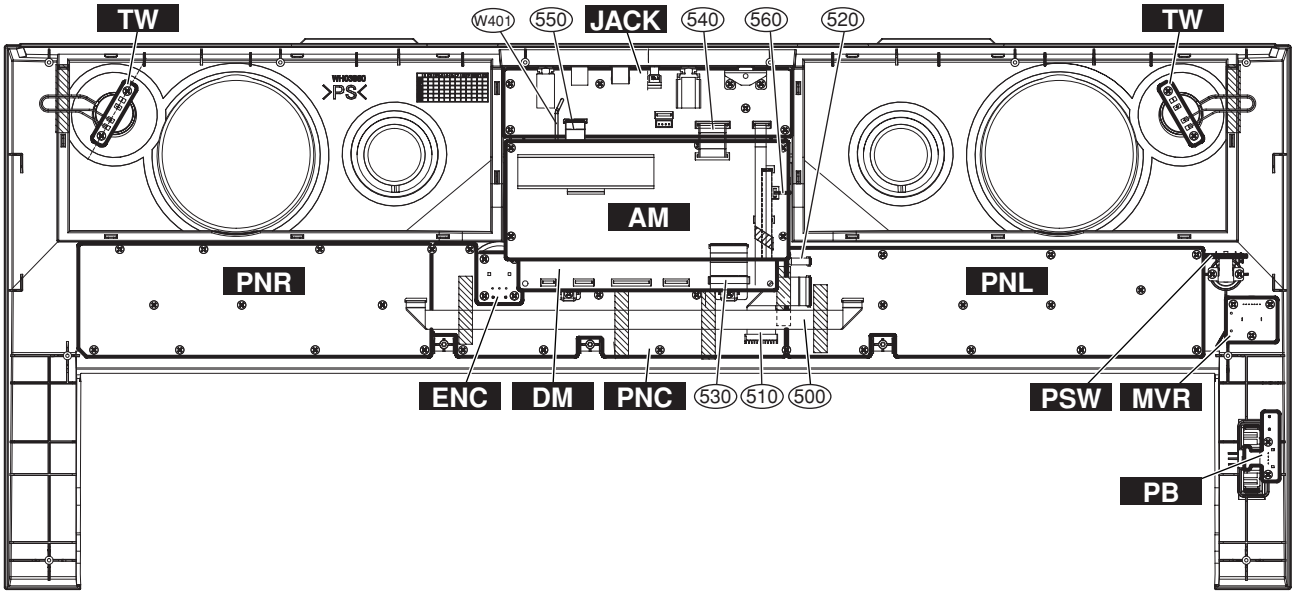
21 Dial
22 [+/YES] and [-/NO] buttons
23 CATEGORY [◀] and [▶] buttons
24 [EXECUTE] button
25 [MDB] button
26 [FILE MENU] button
27 [FUNCTION] button
28 ONE TOUCH SETTING [1] - [4] buttons
29 VOICE
30 VOICE CONTROL
[LEFT], [DUAL], [HARMONY], [TOUCH]
[SUSTAIN], [DSP] buttons
31 UPPER OCTAVE [+] and [–] buttons
32 [PITCH BEND] wheel
33 Drum Kit

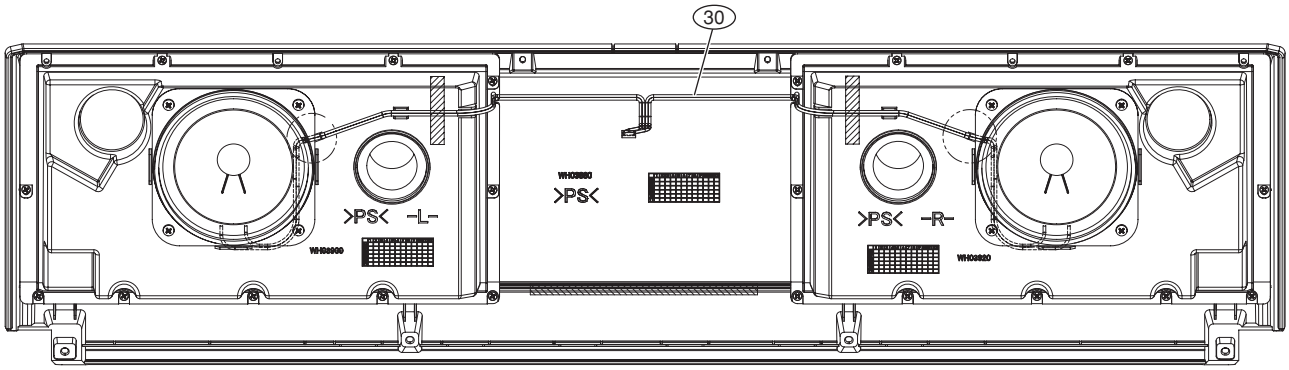
• Rear Panel

34 SUSTAIN jack
35 USB TO HOST and TO DEVICE terminals
36 CONTRAST knob
37 PHONES/OUTPUT jack
38 DC IN 16V jack

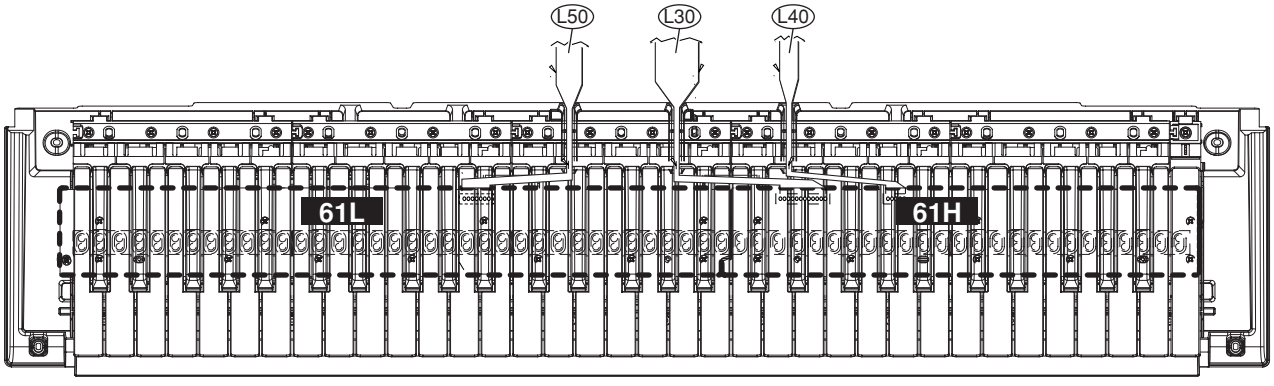
■ CIRCUIT BOARD LAYOUT & WIRING（ユニットレイアウト及び結線図）

• Upper Case Assembly（上ケース Ass'y）





• Lower Key Bed Assembly（下ケース鍵盤 Ass'y）



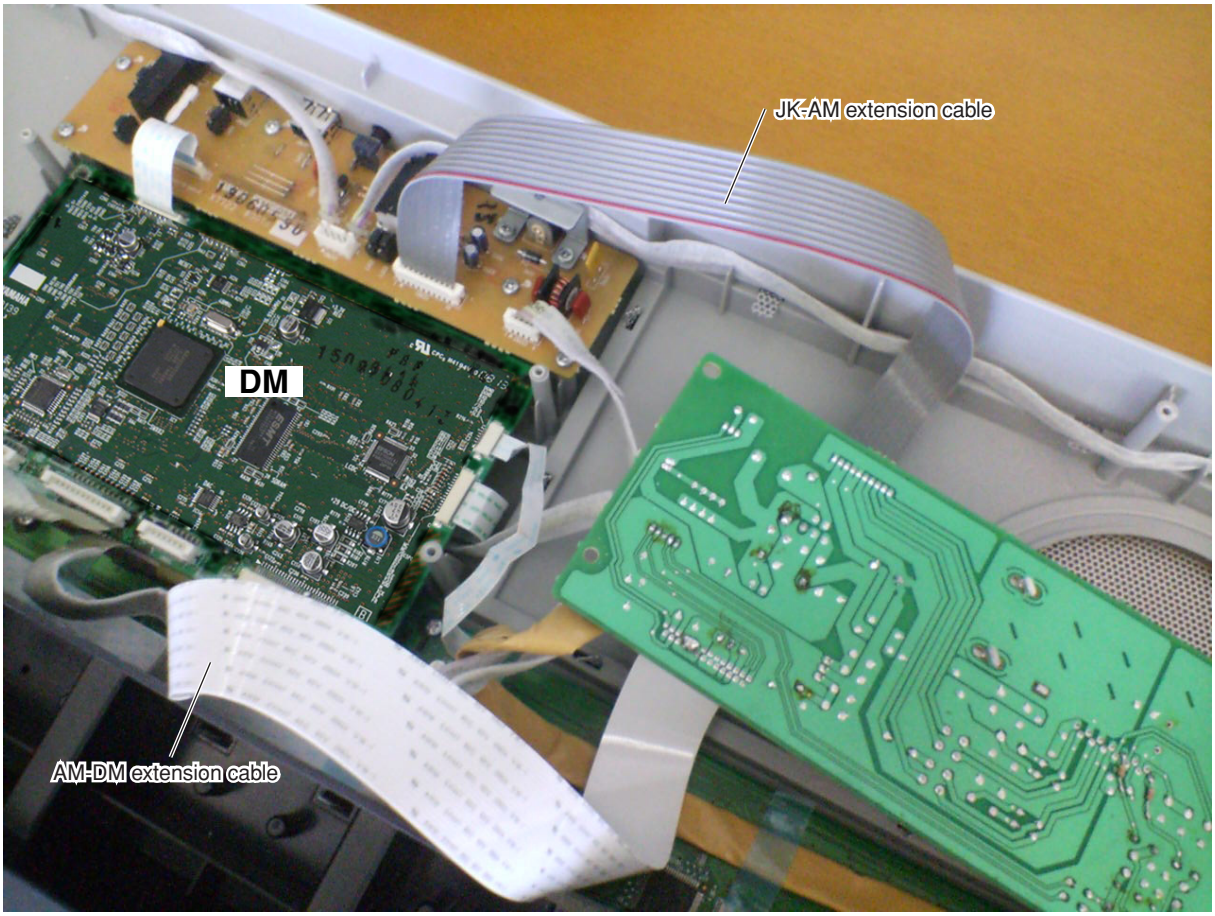
No.	Ref. No.	Part No. (パーツNo.)	Assembly (束線)	Destination (行き先)		Remarks (備考)
1	30	(WH33630)*1	SP	JACK-CN453	SP(WF)	4P
2	500	WJ465900	FFC4	PNL-CN102*2	PNR-CN301*2	14P
3	510	WJ466000	FFC5	PNC-CN202*2	PNL-CN101*2	21P
4	520	WQ075900	FFC2	DM-CN701*2	PNL-CN103*2	7P
5	530	WJ465800	FFC3	DM-CN901*2	AM-CN104*2	27P
6	540	(WJ46010)*1	JKAM	AM-CN101	JACK-CN451	10P
7	550	WJ465600	FFC1	DM-CN501*2	JACK-CN403*2	14P
8	560	WH336400	LCD	AM-CN102	LCD	2P
9	L30	WE13850R	MK1	DM-CN801	61H-CN1	12P L=220
10	L40	WE13870R	MK2	DM-CN803	61H-CN2	5P L=250
11	L50	WE13880R	MK3	DM-CN802	61L-CN5	7P L=190
12	W401	(WJ45910)*1	GND	JACK(Soldered)	FG	L=70

*1: The parts with "( )" in "Part No." are not available as service parts.
***1: 上記束線のうち、部品No.に"( )"がついている部品は、サービス部品として準備されていません。**
*2: Edge mark is adjusted to pin 1 mark(△ mark).
***2: エッジマークを１ピン側（△マーク）に合わせます。**

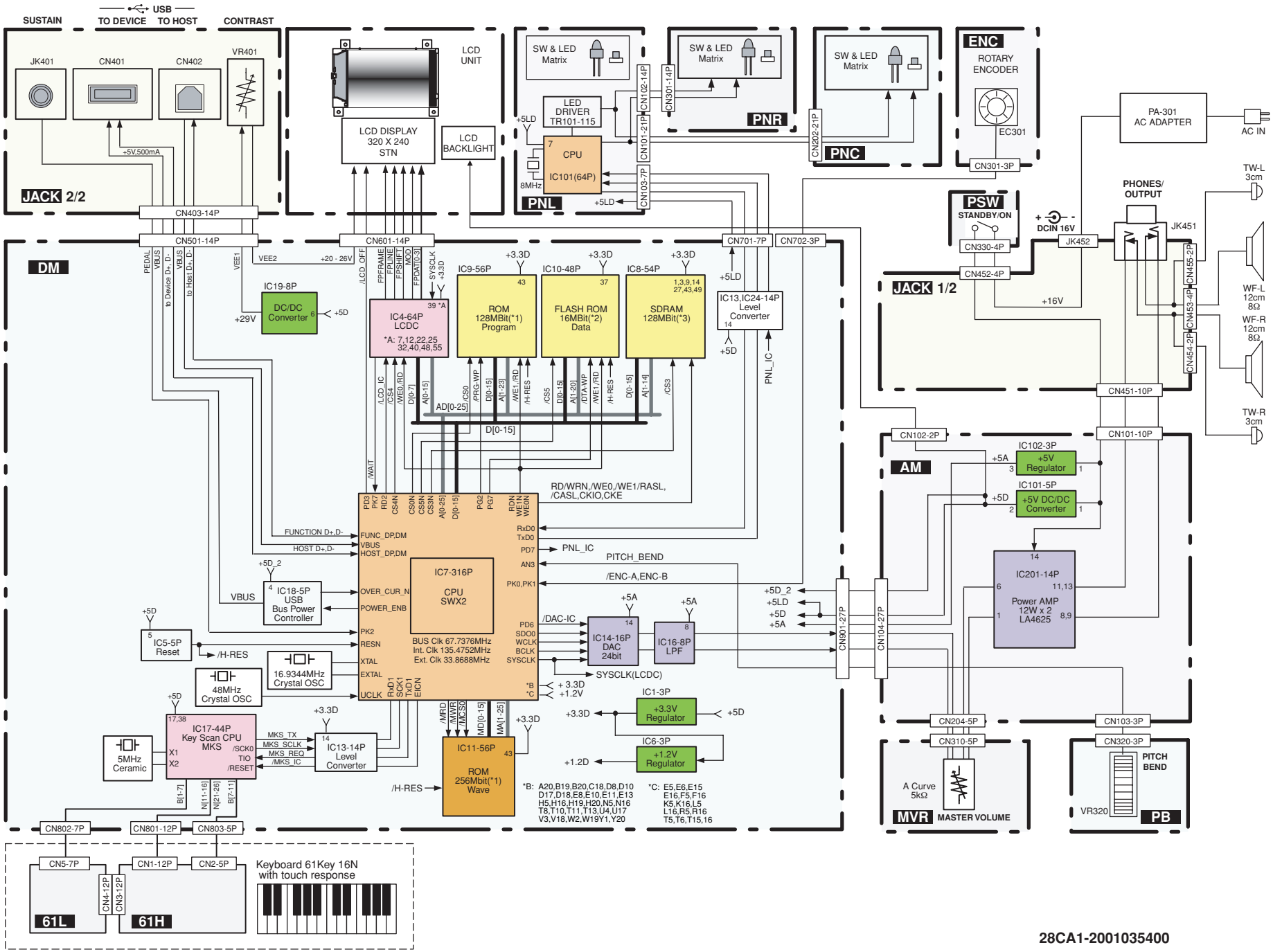
■ EXTENSION CABLE FOR SERVICE USE（サービス用延長ケーブル）

Check the AM circuit board and the DM circuit board by using the following extension cables.
（AMシートやDMシートは、下記の延長ケーブルを使うとチェックが容易になります。）

1. **JK-AM extension cable（JK-AMシート間の延長ケーブル）**
   V8973600 JUMPER WIRE FVP=2.0C26SB10-400**（ジャンパーワイヤー FVP=2.0C26SB10-400）**
2. AM-DM extension cable **（AM-DMシート間の延長ケーブル）**
   WG123900 FFC CABLE P-70 **（FFCケーブル P-70 ）**



■ BLOCK DIAGRAM (ブロックダイアグラム)



28CA1-2001035400

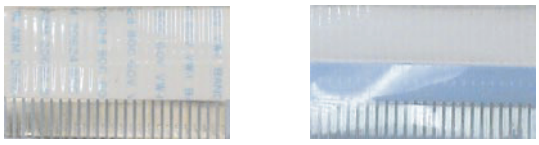
■ DISASSEMBLY PROCEDURE（分解手順）

CAUTION:

- **Be sure to attach the removed filament tape just as it was before removal.**
- **Contacts are visible from the back. Pay attention not to insert and install the cable to the connector inversely. (Fig.1)**

（注意）：

- **一度剥がしたフィラメントテープは、取り外す前と同じように、取り付けてください。**
- **フラットケーブルの接点が裏側から透けて見えます。コネクタにケーブルの表、裏を逆に差し込まないように注意して取り付けてください。（図1）**



Front Side (Printed Side)
（表面（印刷面））

Back Side
（裏面）

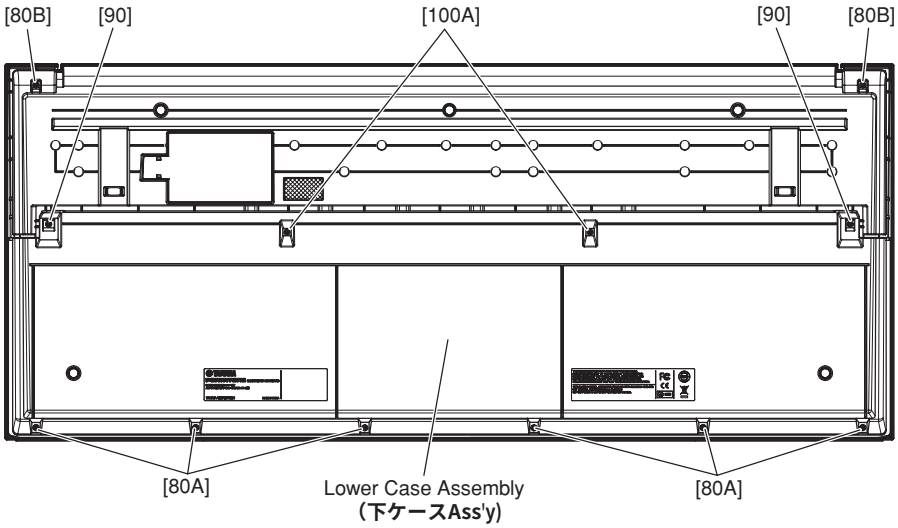
Fig.1（図 1）

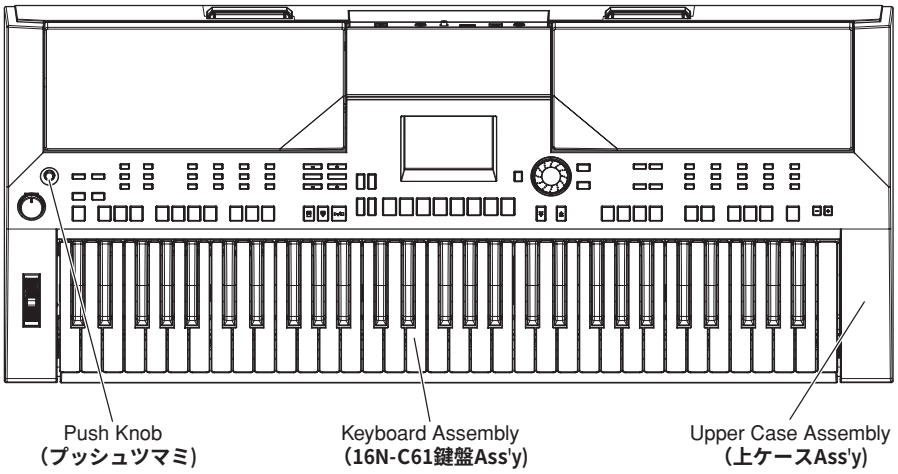
1. Lower Case Assembly (Time required: About 2 minutes)

1-1 Remove the six (6) screws marked [80A] , the two (2) screws marked [100A] and the two (2) screws marked [90]. The lower case assembly can then be removed. (Fig.2)

1. 下ケースAss'y（所要時間：約2分）

1-1 [80A]のネジ6本、[100A]のネジ2本、[90]のネジ2本を外し、下ケースAss'yを外します。（図2）





[80]: Bind Head Tapping Screw-B 3.0X12 MFZN2W3 (WE98740R) Bタイト＋ＢＩＮＤ
[90]: Bind Head Tapping Screw-B 3.0X20 MFZN2W3 (WF48930R) Bタイト＋ＢＩＮＤ
[100A]: Bind Head Tapping Screw-B 3.0X30 MFZN2W3 (WF49100R) Bタイト＋ＢＩＮＤ

Fig.2（図 2）

2. AM Circuit Board (Time required: About 3 minutes)

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

2-2 Remove the five (5) screws marked [380B]. The AM circuit board can then be removed. (Fig.3)

3. JACK Circuit Board (Time required: About 3 minutes)

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

3-2 Remove the AM circuit board. (See procedure 2.)

3-3 Remove the screw marked [380E] at the location of "A". (Fig.4)

* As for the screw marked [380E] at the location of "A", it is tightened together with a GND terminal. (Fig.4)

3-4 Remove the five (5) screws marked [380A] and the two (2) screws marked [385]. The JACK circuit board can then be removed. (Fig.3)

2. AMシート （所要時間：約3分）

2-1 下ケースAss'yを外します。(1項参照)

2-2 [380B]のネジ5本を外し、AMシートを外します。(図3)

3. JACKシート （所要時間：約3分）

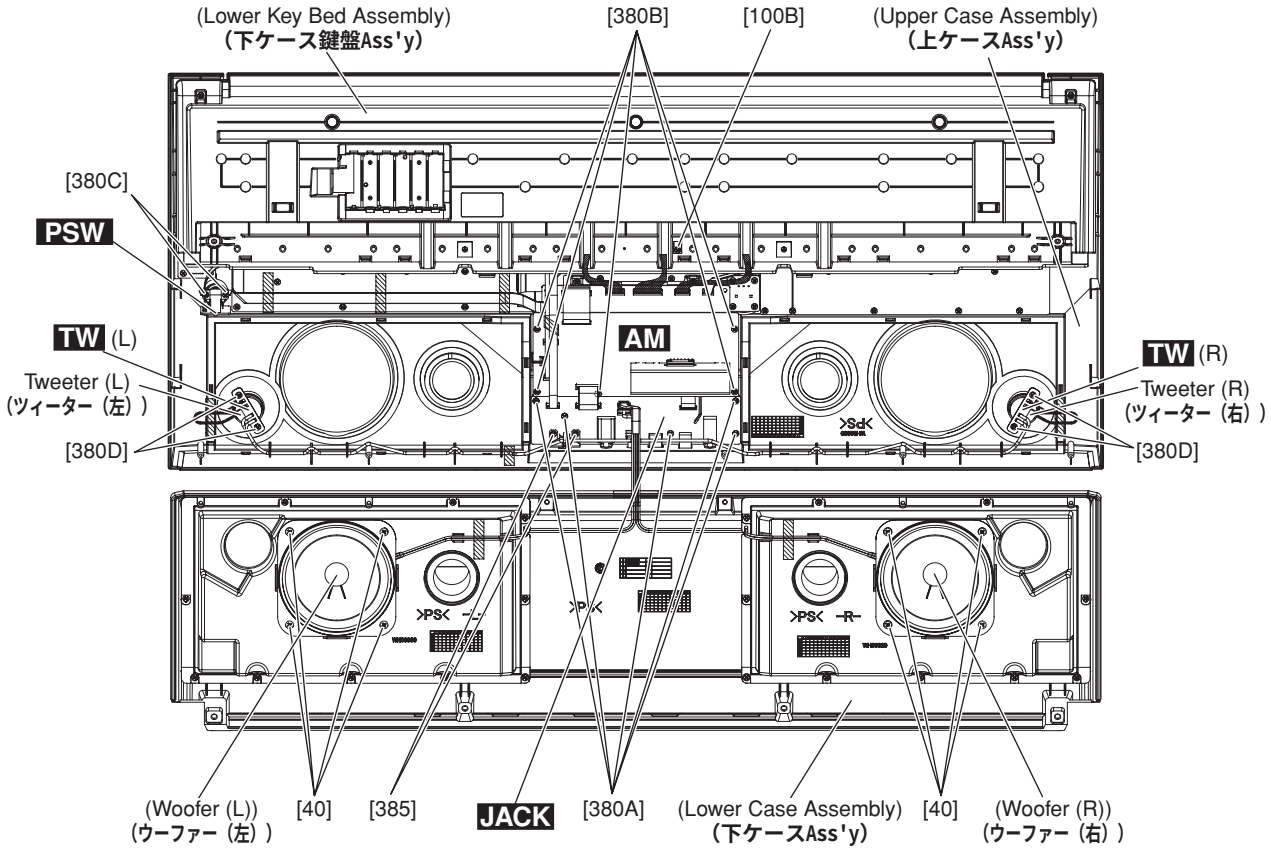
3-1 下ケースAss'yを外します。(1項参照)

3-2 AMシートを外します。(2項参照)

3-3 " A "の位置の[380E]のネジ1本を外します。(図4)

* " A "の位置の[380E]のネジはGND端子と共締めされています。(図4)

3-4 [380A]のネジ5本と[385]のネジ2本を外し、JACKシートを外します。(図3)



[40]: Bind Head Tapping Screw-B 4.0X12 MFZN2W3 (WE98120R) Bタイト＋ＢＩＮＤ
[100B]: Bind Head Tapping Screw-B 3.0X30 MFZN2W3 (WF49100R) Bタイト＋ＢＩＮＤ
[380]: Bind Head Tapping Screw-B 3.0X8 MFZN2W3 (WE774301) Bタイト＋ＢＩＮＤ
[385]: Bind Head Tapping Screw-B 3.0X12 MFZN2W3 (WE98740R) Bタイト＋ＢＩＮＤ

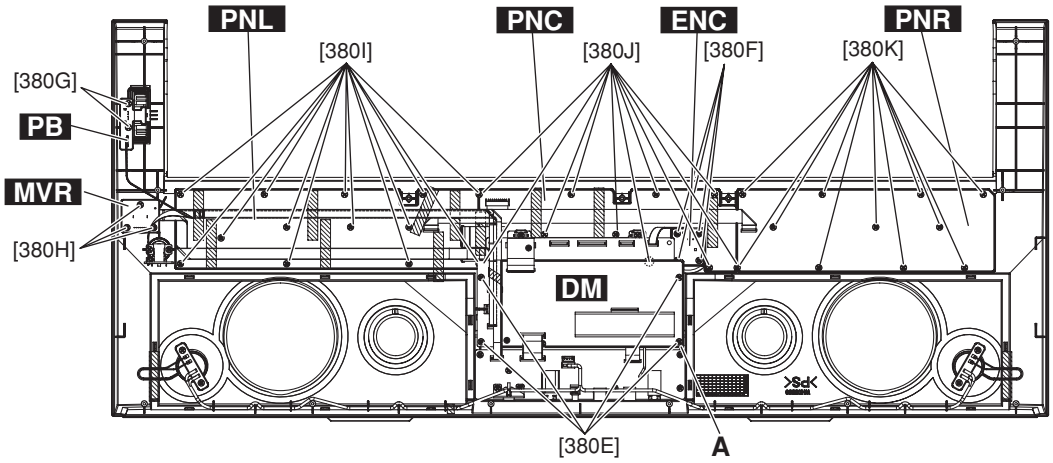
Fig.3 (図3)

4. DM Circuit Board (Time required: About 4 minutes)

4-1 Remove the lower case assembly. (See procedure 1.)
4-2 Remove the AM circuit board. (See procedure 2.)
4-3 Remove the four (4) screws marked [380E]. The DM circuit board can then be removed. (Fig.4)
* As for the screw marked [380E] at the location of "A", it is tightened together with a GND terminal. (Fig.4)

4. DMシート（所要時間：約4分）

4-1 下ケースAss'yを外します。(1項参照)
4-2 AMシートを外します。(2項参照)
4-3 [380E]のネジ4本を外し、DMシートを外します。(図4)
* " A "の位置の[380E]のネジ1本はGND端子と共締めされています。(図4)



[380]: Bind Head Tapping Screw-B 3.0X8 MFZN2W3 (WE774301) Bタイト＋ＢＩＮＤ
Fig.4（図 4）

5. LCD Unit (Time required: About 5 minutes)

5-1 Remove the lower case assembly. (See procedure 1.)
5-2 Remove the AM circuit board. (See procedure 2.)
5-3 Remove the DM circuit board. (See procedure 4.)
5-4 Remove the four (4) screws marked [380L]. The LCD unit can then be removed. (Fig. 5)

5. 液晶ユニット（所要時間：約5分）

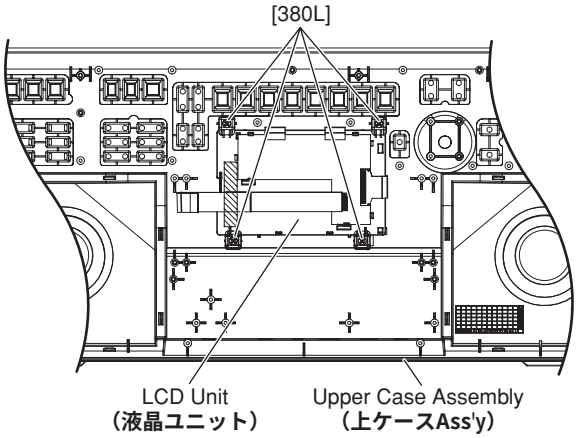
5-1 下ケースAss'yを外します。(1項参照)
5-2 AMシートを外します。(2項参照)
5-3 DMシートを外します。(4項参照)
5-4 [380L]のネジ4本を外し、液晶ユニットを外します。(図5)

6. ENC Circuit Board (Time required: About 4 minutes)

6-1 Remove the lower case assembly. (See procedure 1.)
6-2 Remove the encoder knob from the control panel. (Fig. 6)
6-3 Remove the four (4) screws marked [380F]. The ENC circuit board can then be removed. (Fig.4)

6. ENCシート（所要時間：約4分）

6-1 下ケースAss'yを外します。(1項参照)
6-2 コントロールパネル面からエンコーダツマミを外します。(図6)
6-3 [380F]のネジ4本を外し、ENCシートを外します。(図4)



[380L]: Bind Head Tapping Screw-B 3.0X8 MFZN2W3 (WE774301) Bタイト＋ＢＩＮＤ
Fig.5（図 5）

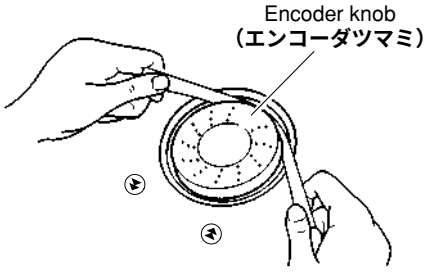


Fig.6（図 6）

7. PSW Circuit Board (Time required: About 3 minutes)

7-1 Remove the lower case assembly. (See procedure 1.)
7-2 Remove the two (2) screws marked [380C]. The PSW circuit board can then be removed. (Fig.3)
7-3 Pull out the push knob (black) from the PSW circuit board. (Fig.2)

8. TW Circuit Board, Speaker (Tweeter) (Time required: About 3 minutes each)

8-1 Remove the lower case assembly. (See procedure 1.)
8-2 Remove the two (2) screws marked [380D]. The speaker (tweeter) can then be removed. (Fig.3)
* The tweeters L and R can be removed in the same manner.

9. Wheel Assembly, PB, MVR, PNL, PNC, PNR Circuit Boards

9-1 Remove the lower case assembly. (See procedure 1.)
9-2 Remove the two (2) screws marked [80B]. (Fig.2)
9-3 Remove the screw marked [100B]. The 16N keyboard assembly and the lower key bed assembly can then be removed. (Fig.3)

9-4 Wheel Assembly, PB Circuit Board (Time required: About 4 minutes each)

9-4-1 Remove the two (2) screws marked [380G]. The wheel assembly with the PB circuit board can then be removed.
9-4-2 Remove the PB circuit board from the wheel assembly. (Fig. 4)

9-5 MVR Circuit Board (Time required: About 4 minutes)

9-5-1 Remove the volume knob from the control panel. (Fig.7)
9-5-2 Remove the three (3) screws marked [380H]. The MVR circuit board can then be removed. (Fig.4)

9-6 PNL Circuit Board (Time required: About 5 minutes)

9-6-1 Remove the thirteen (13) screws marked [380I]. The PNL circuit board can then be removed. (Fig.4)

7. PSWシート（所要時間：約3分）

7-1 下ケースAss'yを外します。(1項参照)
7-2 [380C]のネジ2本を外し、PSWシートを外します。(図3)
7-3 PSWシートからプッシュツマミ(黒)を外します。(図2)

8. TWシート、スピーカ(ツイーター)（所要時間：各約3分）

8-1 下ケースAss'yを外します。(1項参照)
8-2 [380D]のネジ2本を外し、スピーカ(ツイーター)を外します。(図3)
* 左右のツイーターは、それぞれ同じ方法で外すことができます。

9. ホイールAss'y、PB、MVR、PNL、PNC、PNRシート

9-1 下ケースAss'yを外します。(1項参照)
9-2 [80B]のネジ2本を外します。(図2)
9-3 [100B]のネジ1本を外し、16N鍵盤Ass 'y、下ケース鍵盤Ass'yを外します。(図3)

9-4 ホイールAss'y、PBシート（所要時間：約4分）

9-4-1 [380G]のネジ2本を外し、ホイールAss'yと共にPBシートを外します。(図4)
9-4-2 ホイールAss'yから、PBシートを外します。(図4)

9-5 MVRシート（所要時間：約4分）

9-5-1 コントロールパネル面からボリュームツマミを外します。(図7)
9-5-2 [380H]のネジ3本を外し、MVRシートを外します。(図4)

9-6 PNLシート（所要時間：約5分）

9-6-1 [380I]のネジ13本を外し、PNLシートを外します。(図4)

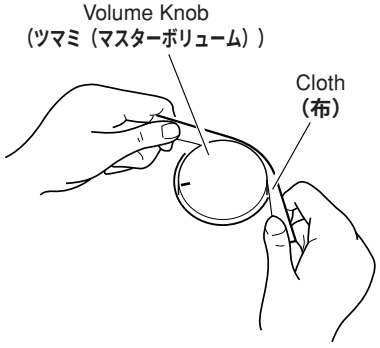


Fig.7（図 7）

9-7 PNC Circuit Board (Time required: About 6 minutes)

9-7-1 Remove the AM circuit board. (See procedure 2.)
9-7-2 Remove the DM circuit board. (See procedure 4.)
9-7-3 Remove the ten (10) screws marked [380J]. The PNC circuit board can then be removed. (Fig.4)

9-8 PNR Circuit Board (Time required: About 5 minutes)

9-8-1 Remove the eleven (11) screws marked [380K]. The PNR circuit board can then be removed. (Fig.4)

10. Speaker (Woofer) (Time required: About 3 minutes each)

10-1 Remove the lower case assembly. (See procedure 1.)
10-2 Remove the four (4) screws marked [40]. The speaker (woofer) can then be removed. (Fig.3)
* The woofers L and R can be removed in the same manner.

11. Disassembling 16N Keyboard Assembly

11-1 Remove the lower case assembly. (See procedure 1.)
11-2 Remove the two (2) screws marked [80B]. (Fig.2)
11-3 Remove the screw marked [100B]. The 16N keyboard assembly and the lower key bed assembly can then be removed. (Fig.3)

11-4 White Keys and Black Keys

11-4-1 White and black keys for one octave unit are integrated as a set. There are five sets in total.
Only the C6 white key, unlike the other keys, is not integrated in a set. (Fig. 8)
11-4-2 To remove a set, remove the four (4) each screws marked [120A]. The white and black keys in the set can then be removed. (Fig. 8)
When removing, unfasten the two (2) hooks at the back of the black keys upward, and lift the white and black keys while pulling them toward you a little. (Fig.9)
11-4-3 To remove the white key C6, remove the screw marked [120B], unhook as described in Procedure 11-4-2, and pull out toward you. (Fig. 8)

11-5 Rubber Contact

11-5-1 Remove the white and black keys corresponding to the rubber contacts to be removed. (Fig.8, Photo.1)
11-5-2 Remove the rubber contacts. (Fig.8, Photo.1)

11-6 61L Circuit Board (MK-L) (Time required: About 7 minutes)

11-6-1 Remove the white and black keys from C1 to B3. (See Fig.8 and Procedure 11-4.)
11-6-2 Remove the four (4) screws marked [100A] and the eight (8) screws marked [110A]. The 61L circuit board (MK-L) can then be removed. (Fig.8)

9-7 PNCシート（所要時間：約6分）

9-7-1 AMシートを外します。（2項参照）
9-7-2 DMシートを外します。（4項参照）
9-7-3 [380J]のネジ10本を外し、PNCシートを外します。（図4）

9-8 PNRシート（所要時間：約5分）

9-8-1 [380K]のネジ11本を外し、PNRシートを外します。（図4）

10. スピーカ（ウーファー）（所要時間：各約3分）

10-1 下ケースAss'yを外します。（1項参照）
10-2 [40]のネジ4本を外し、スピーカ（ウーファー）を外します。（図3）
* 左右のウーファーは、それぞれ同じ方法で外すことができます。

11. 16N鍵盤Ass'yの分解

11-1 下ケースAss'yを外します。（1項参照）
11-2 [80B]のネジ2本を外します。（図2）
11-3 [100B]のネジ1本を外し、16N鍵盤Ass'y、下ケース鍵盤Ass'yを外します。（図3）

11-4 白鍵、黒鍵

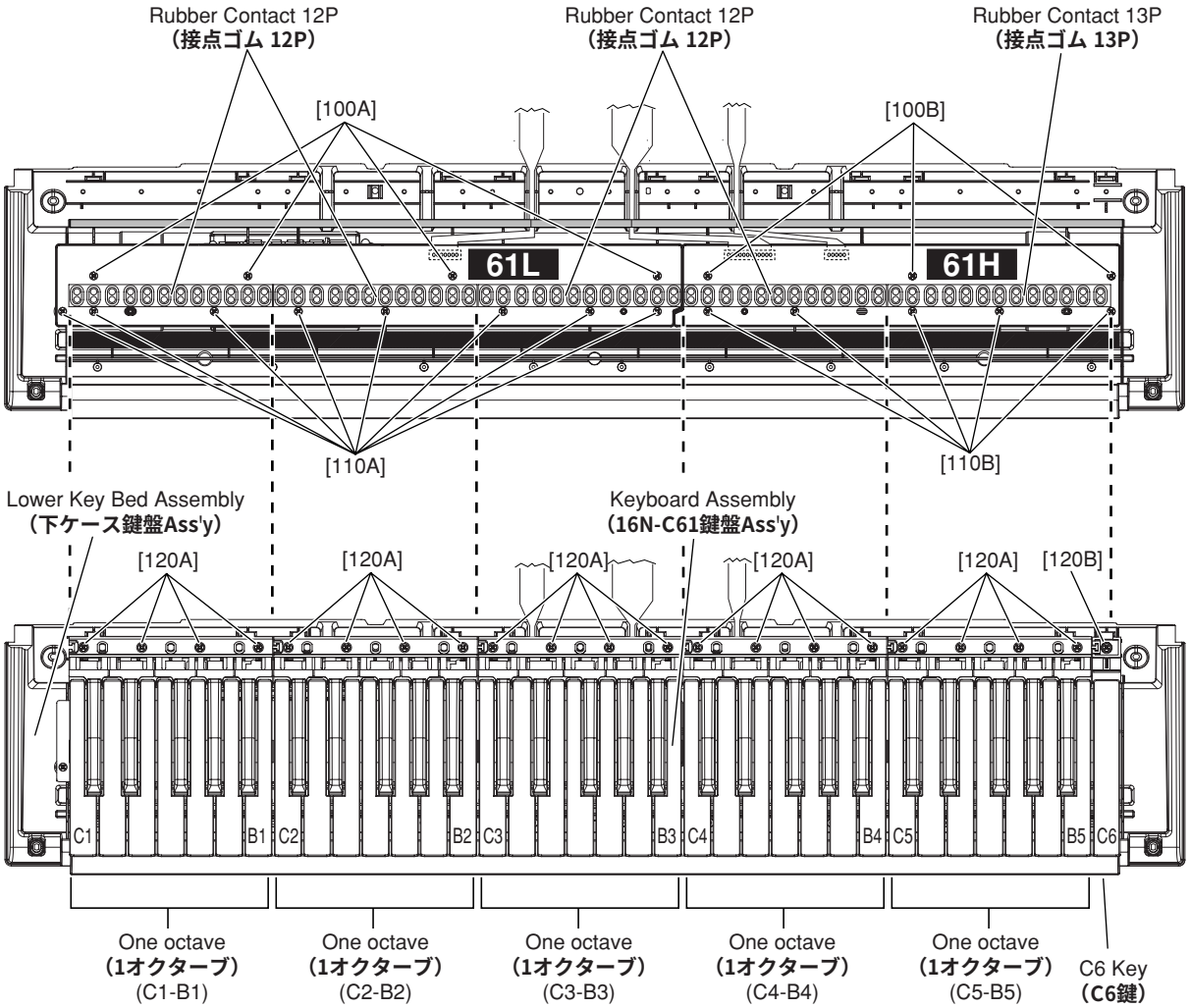
11-4-1 白鍵、黒鍵は、左側から1オクターブ単位のセットになっていて、全部で5セットあります。
C6鍵は、白鍵1個のみです。（図8）
11-4-2 セットのものは、[120A]のネジ4本づつ外してそれぞれ1セット分の白鍵、黒鍵を外します。（図8）
この時、黒鍵の後ろ側にある2つのフックを上方向に外し、白鍵・黒鍵を少し手前に引きながら持ち上げます。（図9）
11-4-3 C6の白鍵は[120B]のネジ1本を外し、11-4-2項のようにフックを外して手前に引きながら外します。（図8）

11-5 接点ゴム

11-5-1 外そうとする接点ゴムに対応した白鍵・黒鍵を外します。（図8、写真1）
11-5-2 それぞれの接点ゴムを外します。（図8、写真1）

11-6 シート61L（MK-L）（所要時間：約7分）

11-6-1 C1～B3の白鍵・黒鍵を外します。（図8、11-4項参照）
11-6-2 [100A]のネジ4本と[110A]のネジ8本を外し、シート61L（MK-L）を外します。（図8）



[100]: Bind Head Tapping Screw-B 3.0X8 MFZN2W3 (WE774301) Bタイト＋ＢＩＮＤ
[110]: Bind Head Tapping Screw-P 3.0X12 MFZN2W3 SP (WH899400) Pタイト＋ＢＩＮＤ
[120]: Bind Head Tapping Screw-P 3.0X20 MFZN2W3 (WF49200R) Pタイト＋ＢＩＮＤ

Fig.8（図 8）

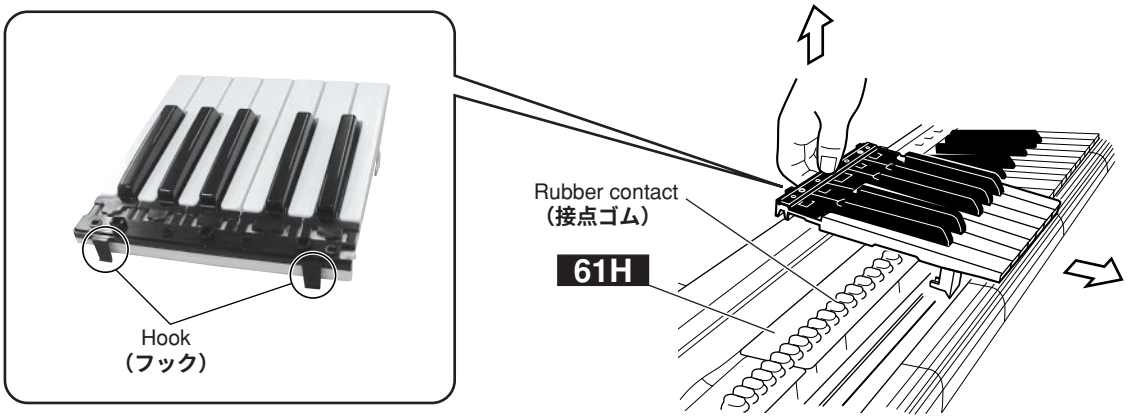


Fig.9（図 9）

* **When installing the 61L circuit board (MK-L), tighten the screws 1 through 12 in numerical order as shown in the figure "61L" in Fig.10. (Fig.10)**

11-7 61H Circuit Board (MK-H) (Time required: About 6 minutes)

11-7-1 Remove the white and black keys from C4 to C6. (See Fig.8 and Procedure 11-4.)

11-7-2 Remove the three (3) screws marked [100B] and the five (5) screws marked [110B]. The 61H circuit board (MK-H) can then be removed. (Fig.8)

* **When installing the 61H circuit board (MK-H), tighten the screws 1 through 8 in numerical order as shown in the figure "61H" in Fig.10. (Fig. 10)**

* **シート61L(MK-L)を取り付ける時は、図10のシート61L図の番号1～12の順にネジを締めて下さい。(図10)**

11-7 シート61H(MK-H) (所要時間：約6分)

11-7-1 C4～C6の白鍵・黒鍵を外します。(図8、11-4項参照)

11-7-2 [100B]のネジ3本と[110B]のネジ5本を外し、シート61H(MK-H)を外します。(図8)

* **シート61H(MK-H)を取り付ける時は、図10のシート61H図の番号1～8の順にネジを締めて下さい。(図10)**

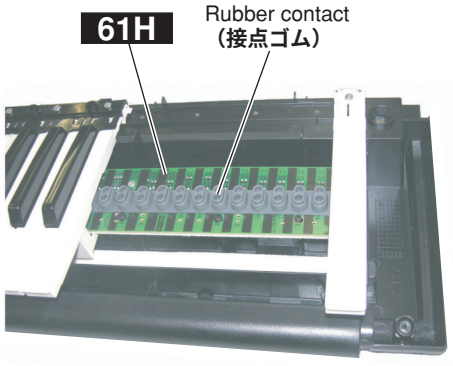


Photo.1 **(写真 1)**

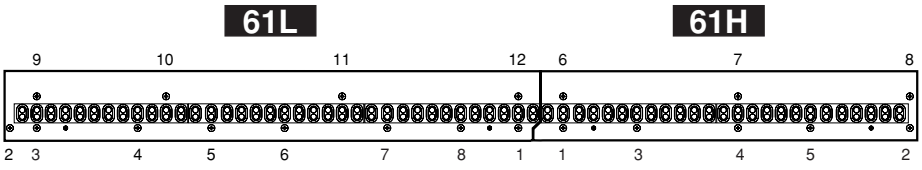


Fig.10 **(図 10)**

■ LSI PIN DESCRIPTION（LSI端子機能表）

CONTENTS（目次）

● **AK4385ET** (X6040A01) **DAC** (Digital to Analog Converter)

DM: IC14

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	MCLK	I	Master Clock	9	AOUTR-	O	Rch Analog out(-)
2	BICK	I	Audio Serial Data Clock	10	AOUTR+	O	Rch Analog out(+)
3	SDTI	I	Audio Serial Date Input	11	AOUTL-	O	Lch Analog out(-)
4	LRCK	I	L/R Clock	12	AOUTL+	O	Lch Analog out(+)
5	PDN	I	Power Down mode	13	Vss	-	Ground
6	CSN	I	Chip Select	14	VDD	-	Power Supply
7	CCLK	I	Control Data Input	15	DZFR	O	Rch Data Zero Input Detect
8	CDTI	I	Control Data Input	16	DZFL	O	Lch Data Zero Input Detect

● **MN101C027YB** (XS71120R) **CPU**

PNL:IC101

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	S1	I	Switch matrix data	33	S12	I	Switch matrix data
2	S2	I		34	S13	I	
3	S3	I		35	S14	I	
4	S4	I		36	TXD	O	MIDI transmit data
5	S5	I		37	S15	I	Switch matrix data
6	VREF+	-	Power supply (+5V, analog)	38	S16	I	
7	VDD	-	Power supply (+5V)	39	S17	I	
8	OSC2	O	Crystal oscillator (8MHz)	40	S18	I	
9	OSC1	I	Crystal oscillator (8MHz)	41	L16	O	LED drive data
10	VSS	-	Ground	42	L17	O	
11	XI	I	Not used	43	L18	O	
12	XO	O	Not used	44	L19	O	
13	MMOD	I	Memory mode select (Grounded)	45	L8	O	
14	RD0	O	Rotary encoder data	46	L9	O	
15	RXD	I	MIDI receive data	47	L10	O	
16	D0	O	LED and switch drive data	48	L11	O	
17	D1	O		49	L12	O	
18	D2	O		50	L13	O	
19	D3	O		51	L14	O	
20	D4	O		52	L15	O	
21	/RST	I	Reset	53	L7	O	LED and switch drive data
22	D5	O	LED and switch drive data	54	L6	O	
23	D6	O		55	L5	O	
24	D7	O		56	L4	O	
25	D8	O		57	L3	O	
26	D9	O		58	L2	O	
27	S6	I	Switch matrix data	59	L1	O	
28	S7	I		60	L0	O	
29	S8	I		61	VREF	-	Grounded
30	S9	I		62	AD0	I	Analog input
31	S10	I		63	AD1	I	Analog input
32	S11	I		64	S0	I	Switch matrix data

• **R8A02032BG** (X8810A00) **CPU** (SWX02)

DM: IC7

PIN NO.	OUTER NO.	NAME	I/O	FUNCTION	PIN NO.	OUTER NO.	NAME	I/O	FUNCTION
1	A1	VSS	-	Ground	80	D20	VSSPLL	-	PLL analog ground
2	A2	AN2	I	ADC analog input 2	81	E1	MD6	I/O	Wave memory data bus 6
3	A3	AN1	I	ADC analog input 1	82	E2	MD7	I/O	Wave memory data bus 7
4	A4	VSS	-	Ground	83	E3	MD8	I/O	Wave memory data bus 8
5	A5	RxD1	I	Serial input 1	84	E4	MD9	I/O	Wave memory data bus 9
6	A6	SCK1	I	External sync. clock input 1	85	E5	VDD	-	Power supply +1.2 V
7	A7	UCLK	I	USB external clock input (48 MHz)	86	E6	VDD	-	
8	A8	VSS	-	Ground	87	E7	VSS	-	Ground
9	A9	FUNC_DM	I/O	USB function data -	88	E8	VCCQ	-	Power supply +3.3 V
10	A10	VSS	-	Ground	89	E9	VSS	-	Ground
11	A11	HOST_DM	I/O	USB host data -	90	E10	VCCQ	-	Power supply +3.3 V
12	A12	POWER_ENB	O	USB voltage enable	91	E11	VCCQ	-	
13	A13	XTAL	O	Crystal oscillator output	92	E12	VSS	-	Ground
14	A14	EXTAL	I	Crystal oscillator input (16.9344 MHz)	93	E13	VCCQ	-	Power supply +3.3 V
15	A15	VSS	-	Ground	94	E14	VSS	-	Ground
16	A16	CS7N/PJ6	O	SH2A-CPU chip select 7	95	E15	VDD	-	Power supply +1.2 V
17	A17	TRSTN	I	JTAG test reset input	96	E16	VDD	-	
18	A18	TDI	I	JTAG test data input	97	E17	D31/PF7	I/O	SH2A-CPU data bus 31
19	A19	TCK	I	JTAG test clock input	98	E18	D30/PF6	I/O	SH2A-CPU data bus 30
20	A20	VCCQ	-	Power supply +3.3 V	99	E19	D29/PF5	I/O	SH2A-CPU data bus 29
21	B1	MD15	I/O	Wave memory data bus 15	100	E20	D28/PF4	I/O	SH2A-CPU data bus 28
22	B2	VSS	-	Ground	101	F1	MD2	I/O	Wave memory data bus 2
23	B3	AN3	I	ADC analog input 3	102	F2	MD3	I/O	Wave memory data bus 3
24	B4	AN0	I	ADC analog input 0	103	F3	MD4	I/O	Wave memory data bus 4
25	B5	VSS	-	Ground	104	F4	MD5	I/O	Wave memory data bus 5
26	B6	TxD1	O	Serial output 1	105	F5	VDD	-	Power supply +1.2 V
27	B7	TxD0	O	Serial output 0	106	F16	VDD	-	
28	B8	VSS	-	Ground	107	F17	D27/PF3	I/O	SH2A-CPU data bus 27
29	B9	FUNC_DP	I/O	USB function data +	108	F18	D26/PF2	I/O	SH2A-CPU data bus 26
30	B10	VSS	-	Ground	109	F19	D25/PF1	I/O	SH2A-CPU data bus 25
31	B11	HOST_DP	I/O	USB host data +	110	F20	D24/PF0	I/O	SH2A-CPU data bus 24
32	B12	SCL	I/O	E bus (I2C) clock input/output (5V compatible)	111	G1	MA2	O	Wave memory address bus 2
33	B13	VSS	-	Ground	112	G2	MA1	O	Wave memory address bus 1
34	B14	VSS	-		113	G3	MD0	I/O	Wave memory data bus 0
35	B15	CS4N/PJ3	O	SH2A-CPU chip select 4	114	G4	MD1	I/O	Wave memory data bus 1
36	B16	TIOC0A/PJ7	O	PWM output	115	G5	VSS	-	Ground
37	B17	TESTN	I	Test input	116	G16	VSS	-	
38	B18	TMS	I	JTAG test mode select input	117	G17	D23/PE7	I/O	SH2A-CPU data bus 23
39	B19	VCCQ	-	Power supply +3.3 V	118	G18	D22/PE6	I/O	SH2A-CPU data bus 22
40	B20	VCCQ	-		119	G19	D21/PE5	I/O	SH2A-CPU data bus 21
41	C1	MD13	I/O	Wave memory data bus 13	120	G20	D20/PE4	I/O	SH2A-CPU data bus 20
42	C2	MD14	I/O	Wave memory data bus 14	121	H1	MA6	O	Wave memory address bus 6
43	C3	VSS	-	Ground	122	H2	MA5	O	Wave memory address bus 5
44	C4	VREFADC	-	ADC reference power supply +3.3 V	123	H3	MA4	O	Wave memory address bus 4
45	C5	VSSADC	-	ADC analog ground	124	H4	MA3	O	Wave memory address bus 3
46	C6	VSS	-	Ground	125	H5	VCCQ	-	Power supply +3.3 V
47	C7	RxD0	I	Serial input 0	126	H16	VCCQ	-	
48	C8	VSS	-	Ground	127	H17	D19/PE3	I/O	SH2A-CPU data bus 19
49	C9	VBUS	I	USB cable connection monitor (5V compatible)	128	H18	D18/PE2	I/O	SH2A-CPU data bus 18
50	C10	VSS	-	Ground	129	H19	VCCQ	-	Power supply +3.3 V
51	C11	OVER_CURRENT_N	I	USB overcurrent detection (5V compatible)	130	H20	VCCQ	-	
52	C12	SDA	I/O	E bus (I2C) data input/output (5V compatible)	131	J1	MA10	O	Wave memory address bus 10
53	C13	CS0N	O	SH2A-CPU chip select 0	132	J2	MA9	O	Wave memory address bus 9
54	C14	CS2N/PJ1	O	SH2A-CPU chip select 2	133	J3	MA8	O	Wave memory address bus 8
55	C15	CS5N/PJ4	O	SH2A-CPU chip select 5	134	J4	MA7	O	Wave memory address bus 7
56	C16	ASEMDN	I	Debug mode configuration	135	J5	VSS	-	Ground
57	C17	TDO	O	JTAG test data output	136	J9	VSS	-	
58	C18	VCCQ	-	Power supply +3.3 V	137	J10	VSS	-	
59	C19	VDDPLL	-	PLL analog power supply +1.2 V	138	J11	VSS	-	
60	C20	VDDPLL	-		139	J12	VSS	-	
61	D1	MD10	I/O	Wave memory data bus 10	140	J16	VSS	-	
62	D2	MD11	I/O	Wave memory data bus 11	141	J17	D17/PE1	I/O	SH2A-CPU data bus 17
63	D3	MD12	I/O	Wave memory data bus 12	142	J18	D16/PE0	I/O	SH2A-CPU data bus 16
64	D4	VSS	-	Ground	143	J19	CKOEN	I	Clock output control for SDRAM
65	D5	VCCADC	-	ADC analog power supply +3.3 V	144	J20	CKIO	O	Clock output for SDRAM
66	D6	VSS	-	Ground	145	K1	MA14	O	Wave memory address bus 14
67	D7	RESN	I	Hardware reset	146	K2	MA13	O	Wave memory address bus 13
68	D8	VCCQ	-	Power supply +3.3 V	147	K3	MA12	O	Wave memory address bus 12
69	D9	PULLUP_ENB	O	USB pull-up enable	148	K4	MA11	O	Wave memory address bus 11
70	D10	VCCQ	-	Power supply +3.3 V	149	K5	VDD	-	Power supply +1.2 V
71	D11	UCTL	I	USB output control	150	K9	VSS	-	Ground
72	D12	EICN	O	E bus reset output	151	K10	VSS	-	
73	D13	CS1N/PJ0	O	SH2A-CPU chip select 1	152	K11	VSS	-	
74	D14	CS3N/PJ2	O	SH2A-CPU chip select 3	153	K12	VSS	-	
75	D15	CS6N/PJ5	O	SH2A-CPU chip select 6	154	K16	VDD	-	Power supply +1.2 V
76	D16	ASEBRKAKN	I/O	Emulator break	155	K17	CKE	O	Clock enable for SDRAM
77	D17	VCCQ	-	Power supply +3.3 V	156	K18	D15	I/O	SH2A-CPU data bus 15
78	D18	VCCQ	-		157	K19	VSS	-	Ground
79	D19	VSSPLL	-	PLL analog ground	158	K20	VSS	-	

PIN NO.	OUTER NO.	NAME	I/O	FUNCTION	PIN NO.	OUTER NO.	NAME	I/O	FUNCTION
159	L1	MA15	O	Wave memory address bus 15	238	U2	PA6	I/O	Parallel port A6
160	L2	MA16	O	Wave memory address bus 16	239	U3	PA7	I/O	Parallel port A7
161	L3	MA17	O	Wave memory address bus 17	240	U4	VCCQ	-	Power supply +3.3 V
162	L4	MA18	O	Wave memory address bus 18	241	U5	ED1/PC1	I/O	External CPU data bus 1
163	L5	VDD	-	Power supply +1.2 V	242	U6	ED5/PC5	I/O	External CPU data bus 5
164	L9	VSS	-	Ground	243	U7	ED9/PD1	I/O	External CPU data bus 9
165	L10	VSS	-	Ground	244	U8	ED13/PD5	I/O	External CPU data bus 13
166	L11	VSS	-	Ground	245	U9	EA2/PK1	I	External CPU address bus 2
167	L12	VSS	-	Ground	246	U10	ECSN	I	External CPU chip select
168	L16	VDD	-	Power supply +1.2 V	247	U11	BCLK	O	Bit clock output
169	L17	D11	I/O	SH2A-CPU data bus 11	248	U12	IRQ0	I	Interrupt input 0
170	L18	D12	I/O	SH2A-CPU data bus 12	249	U13	A25	O	SH2A-CPU address bus 25
171	L19	D13	I/O	SH2A-CPU data bus 13	250	U14	A21	O	SH2A-CPU address bus 21
172	L20	D14	I/O	SH2A-CPU data bus 14	251	U15	A17	O	SH2A-CPU address bus 17
173	M1	MA19	O	Wave memory address bus 19	252	U16	A13	O	SH2A-CPU address bus 13
174	M2	MA20	O	Wave memory address bus 20	253	U17	VCCQ	-	Power supply +3.3 V
175	M3	MA21	O	Wave memory address bus 21	254	U18	A3	O	SH2A-CPU address bus 3
176	M4	MA22	O	Wave memory address bus 22	255	U19	A2	O	SH2A-CPU address bus 2
177	M5	VSS	-	Ground	256	U20	A1	O	SH2A-CPU address bus 1
178	M9	VSS	-	Ground	257	V1	PB0	I/O	Parallel port B0
179	M10	VSS	-	Ground	258	V2	PB1	I/O	Parallel port B1
180	M11	VSS	-	Ground	259	V3	VCCQ	-	Power supply +3.3 V
181	M12	VSS	-	Ground	260	V4	PB6	I/O	Parallel port B6
182	M16	VSS	-	Ground	261	V5	ED2/PC2	I/O	External CPU data bus 2
183	M17	D7	I/O	SH2A-CPU data bus 7	262	V6	ED6/PC6	I/O	External CPU data bus 6
184	M18	D8	I/O	SH2A-CPU data bus 8	263	V7	ED10/PD2	I/O	External CPU data bus 10
185	M19	D9	I/O	SH2A-CPU data bus 9	264	V8	ED14/PD6	I/O	External CPU data bus 14
186	M20	D10	I/O	SH2A-CPU data bus 10	265	V9	EA3/PK2	I	External CPU address bus 3
187	N1	MA23/PG4	O	Wave memory address bus 23	266	V10	SDI0/PK5	I	Serial audio input 0
188	N2	MA24/PG5	O	Wave memory address bus 24	267	V11	WCLK2/SDO2	O	Word clock output 2/Serial audio output 2
189	N3	MA25/PG6	O	Wave memory address bus 25	268	V12	IRQ1	I	Interrupt input 1
190	N4	MA26/PG7	O	Wave memory address bus 26	269	V13	BW_MD0	I	SH2A-CPU data bus width configuration
191	N5	VCCQ	-	Power supply +3.3 V	270	V14	A22/PH5	O	SH2A-CPU address bus 22
192	N16	VCCQ	-	Power supply +3.3 V	271	V15	A18	O	SH2A-CPU address bus 18
193	N17	D3	I/O	SH2A-CPU data bus 3	272	V16	A14	O	SH2A-CPU address bus 14
194	N18	D4	I/O	SH2A-CPU data bus 4	273	V17	A10	O	SH2A-CPU address bus 10
195	N19	D5	I/O	SH2A-CPU data bus 5	274	V18	VCCQ	-	Power supply +3.3 V
196	N20	D6	I/O	SH2A-CPU data bus 6	275	V19	A5	O	SH2A-CPU address bus 5
197	P1	MCS3N/PG3	O	Wave memory chip select 3	276	V20	A4	O	SH2A-CPU address bus 4
198	P2	MCS2N/PG2	O	Wave memory chip select 2	277	W1	PB2	I/O	Parallel port B2
199	P3	MCS1N/PG1	O	Wave memory chip select 1	278	W2	VCCQ	-	Power supply +3.3 V
200	P4	MWRN/PG0	O	Wave memory write enable	279	W3	PB4	I/O	Parallel port B4
201	P5	VSS	-	Ground	280	W4	PB7	I/O	Parallel port B7
202	P16	VSS	-	Ground	281	W5	ED3/PC3	I/O	External CPU data bus 3
203	P17	RD/WRN	O	SH2A-CPU read/write enable	282	W6	ED7/PC7	I/O	External CPU data bus 7
204	P18	D0	I/O	SH2A-CPU data bus 0	283	W7	ED11/PD3	I/O	External CPU data bus 11
205	P19	D1	I/O	SH2A-CPU data bus 1	284	W8	ED15/PD7	I/O	External CPU data bus 15
206	P20	D2	I/O	SH2A-CPU data bus 2	285	W9	ERDN/PK3	I	External CPU read enable
207	R1	MCS0N	O	Wave memory chip select 0	286	W10	SDI1/PK6	I	Serial audio input 1
208	R2	MRDN	O	Wave memory read enable	287	W11	WCLK	O	Word clock output
209	R3	BTCHG	I	BOOT ROM switching control	288	W12	SYSCLK2	O	Clock output 2
210	R4	PA0	I/O	Parallel port A0	289	W13	WAITN/PK7	I	External wait input
211	R5	VDD	-	Power supply +1.2 V	290	W14	A23/PH6	O	SH2A-CPU address bus 23
212	R16	VDD	-	Power supply +1.2 V	291	W15	A19	O	SH2A-CPU address bus 19
213	R17	WE3N/DQMUU/PH3	O	Writing byte of D31 - D24/Selecting D31 - D24 in case of SDRAM	292	W16	A15	O	SH2A-CPU address bus 15
214	R18	RASLN	O	RAS output for SDRAM	293	W17	A11	O	SH2A-CPU address bus 11
215	R19	CASLN	O	CAS output for SDRAM	294	W18	A8	O	SH2A-CPU address bus 8
216	R20	RDN	O	SH2A-CPU read enable	295	W19	VCCQ	-	Power supply +3.3 V
217	T1	PA1	I/O	Parallel port A1	296	W20	A6	O	SH2A-CPU address bus 6
218	T2	PA2	I/O	Parallel port A2	297	Y1	VCCQ	-	Power supply +3.3 V
219	T3	PA3	I/O	Parallel port A3	298	Y2	PB3	I/O	Parallel port B3
220	T4	PA4	I/O	Parallel port A4	299	Y3	PB5	I/O	Parallel port B5
221	T5	VDD	-	Power supply +1.2 V	300	Y4	ED0/PC0	I/O	External CPU data bus 0
222	T6	VDD	-	Power supply +1.2 V	301	Y5	ED4/PC4	I/O	External CPU data bus 4
223	T7	VSS	-	Ground	302	Y6	ED8/PD0	I/O	External CPU data bus 8
224	T8	VCCQ	-	Power supply +3.3 V	303	Y7	ED12/PD4	I/O	External CPU data bus 12
225	T9	VSS	-	Ground	304	Y8	EA1/PK0	I	External CPU address bus 1
226	T10	VCCQ	-	Power supply +3.3 V	305	Y9	EWRN/PK4	I	External CPU write enable
227	T11	VCCQ	-	Power supply +3.3 V	306	Y10	SDO0	O	Serial audio output 0
228	T12	VSS	-	Ground	307	Y11	SDO1	O	Serial audio output 1
229	T13	VCCQ	-	Power supply +3.3 V	308	Y12	SYSCLK	O	Clock output
230	T14	VSS	-	Ground	309	Y13	SYI	I	Sync. input from external device
231	T15	VDD	-	Power supply +1.2 V	310	Y14	A24/PH7	O	SH2A-CPU address bus 24
232	T16	VDD	-	Power supply +1.2 V	311	Y15	A20	O	SH2A-CPU address bus 20
233	T17	A0/PH4	O	SH2A-CPU address bus 0	312	Y16	A16	O	SH2A-CPU address bus 16
234	T18	WE0N/DQMLL/PH0	O	Writing byte of D7 - D0/Selecting D7 - D0 in case of SDRAM	313	Y17	A12	O	SH2A-CPU address bus 12
235	T19	WE1N/DQMLU/PH1	O	Writing byte of D15 - D8/Selecting D15 - D8 in case of SDRAM	314	Y18	A9	O	SH2A-CPU address bus 9
236	T20	WE2N/DQMUL/PH2	O	Writing byte of D23 - D16/Selecting D23 - D16 in case of SDRAM	315	Y19	A7	O	SH2A-CPU address bus 7
237	U1	PA5	I/O	Parallel port A5	316	Y20	VCCQ	-	Power supply +3.3 V

• S1D13700F01A100 (X5422A00) LCD CONTROLLER

DM: IC4

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

• UPD789022GB-A15-8E (XZ56010R) CPU (MKS)

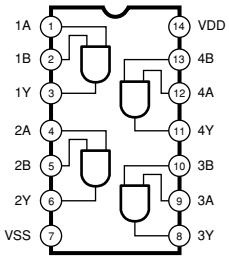
DM: IC17

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	P12	I/O	Port 1	23	P32/INTP2/CPT2	I/O	Port 3/External interrupt input/Capture edge input
2	P11	I/O		24	P31/INTP1	I/O	Port 3/External interrupt input
3	P10	I/O		25	P30/INTP0	I/O	
4	P47/KR7	I/O	Port 4/Key return signal detection input	26	P22/RXD/SI0	I/O	Port 2/Asynchronous serial interface serial data input/Serial interface serial data input
5	P46/KR6	I/O		27	P21/TXD/SO0	I/O	Port 2/Asynchronous serial interface serial data output/Serial interface serial data output
6	P45/KR5	I/O		28	P20/ASCK/SCK0	I/O	Port 2/Asynchronous serial interface serial clock input/Serial interface serial clock
7	P44/KR4	I/O		29	P07	I/O	Port 0
8	P43/KR3	I/O		30	P06	I/O	
9	P42/KR2	I/O		31	P05	I/O	
10	P41/KR1	I/O		32	P04	I/O	
11	P40/KR0	I/O		33	P03	I/O	
12	NC			34	P02	I/O	
13	IC		Internally connected (N.C.)	35	P01	I/O	
14	X2		Clock	36	P00	I/O	
15	X1	I		37	NC		
16	VSS0		Ground	38	VDD1		Power supply
17	VDD0		Power supply	39	VSS1		Ground
18	/RESET	I	System reset	40	P17	I/O	Port 1
19	P53	I/O	Port 5	41	P16	I/O	
20	P52	I/O		42	P15	I/O	
21	P51/TO2	I/O	Port 5/16-bit timer output	43	P14	I/O	
22	P50/TI0/TO0	I/O	Port 5/External count clock input to 8-bit timer/8-bit timer output	44	P13	I/O	

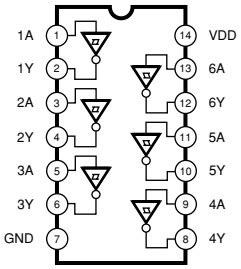
■ IC BLOCK DIAGRAM（ICブロック図）

- **SN74LV08APWR** (X4463A00)
  DM: IC13
- **SN74AHCT08PWR** (X3824A00)
  DM: IC24

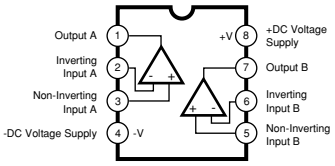
Quad 2 Input AND



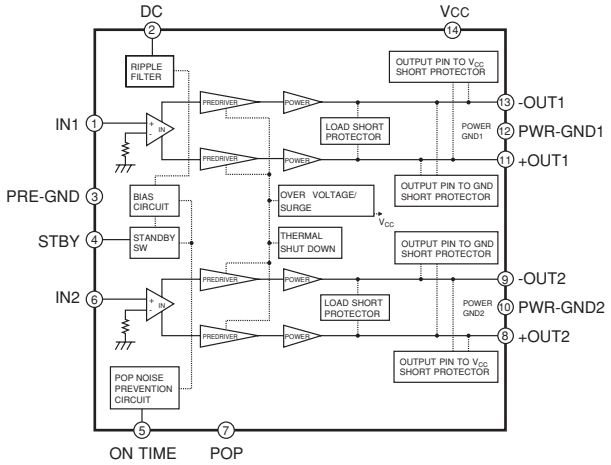
- **SN74LV14APWR** (X6688A0R)
  Hex Inverter
  DM: IC20



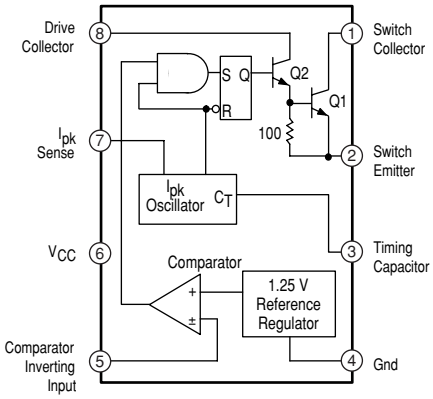
- **NJM4580E(TE2)** (X2331A0R)
  Dual Operational Amplifier
  DM: IC16



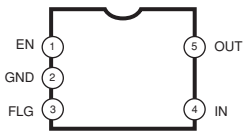
- **LA4625** (XY209A0R)
  Power Amplifier 13.5W
  AM: IC201

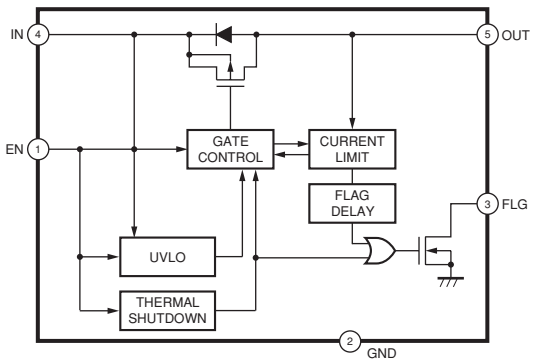


- **MC34063EBD-TR** (X7371A00)
  DC-DC Converter
  DM: IC19



- **R5520H001B-T1-F** (X7569A00)
  USB High-Side Power Switch
  DM: IC18



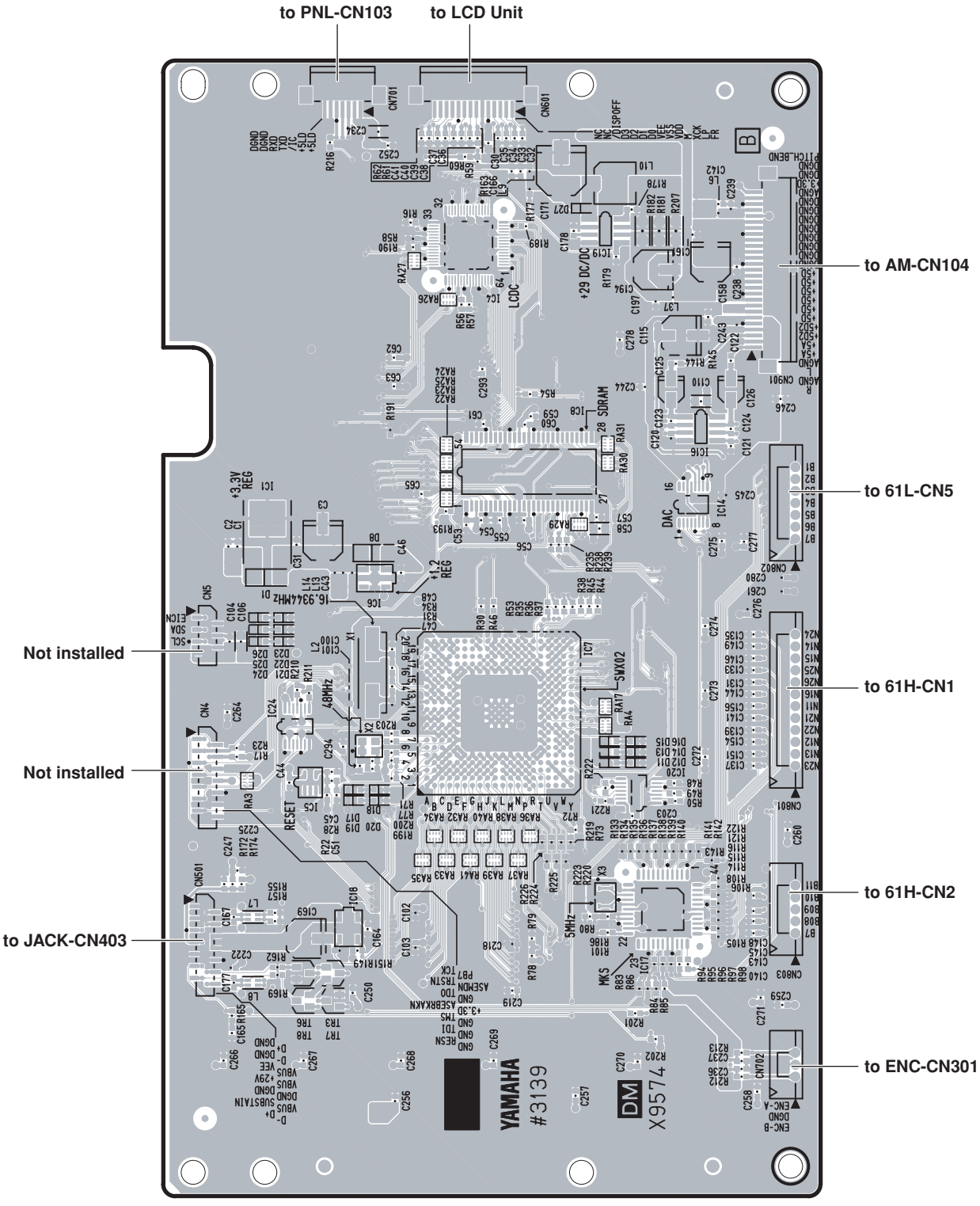


■ CIRCUIT BOARDS（シート基板図）

CONTENTS（目次）

Note: See parts list for details of circuit board component parts.
注：シートの部品詳細はパーツリストをご参照ください。

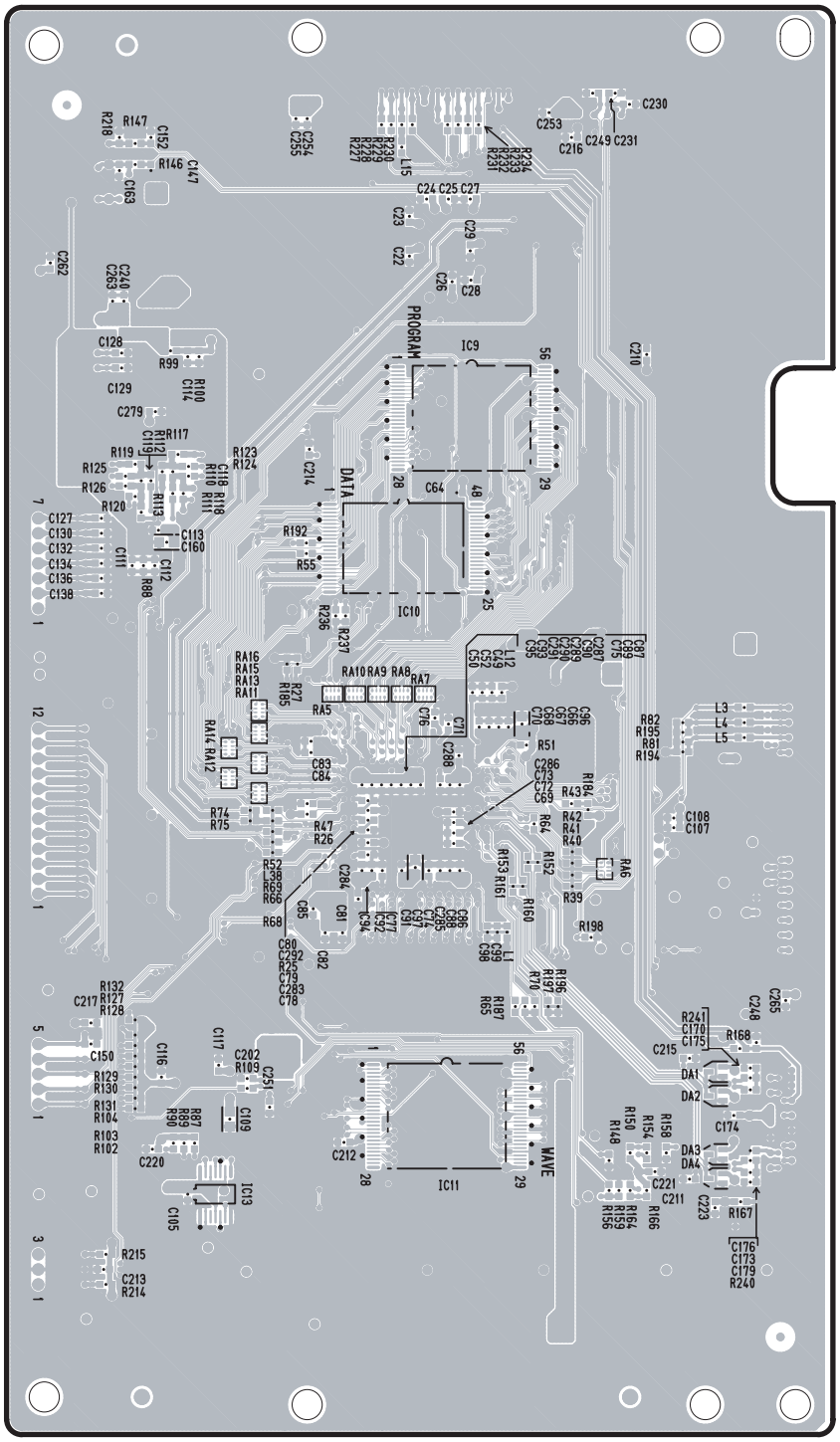
• DM Circuit Board



Component Side（部品側）

2NA-WH33370

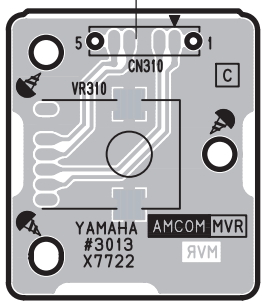
• DM Circuit Board



Pattern Side（パターン側）

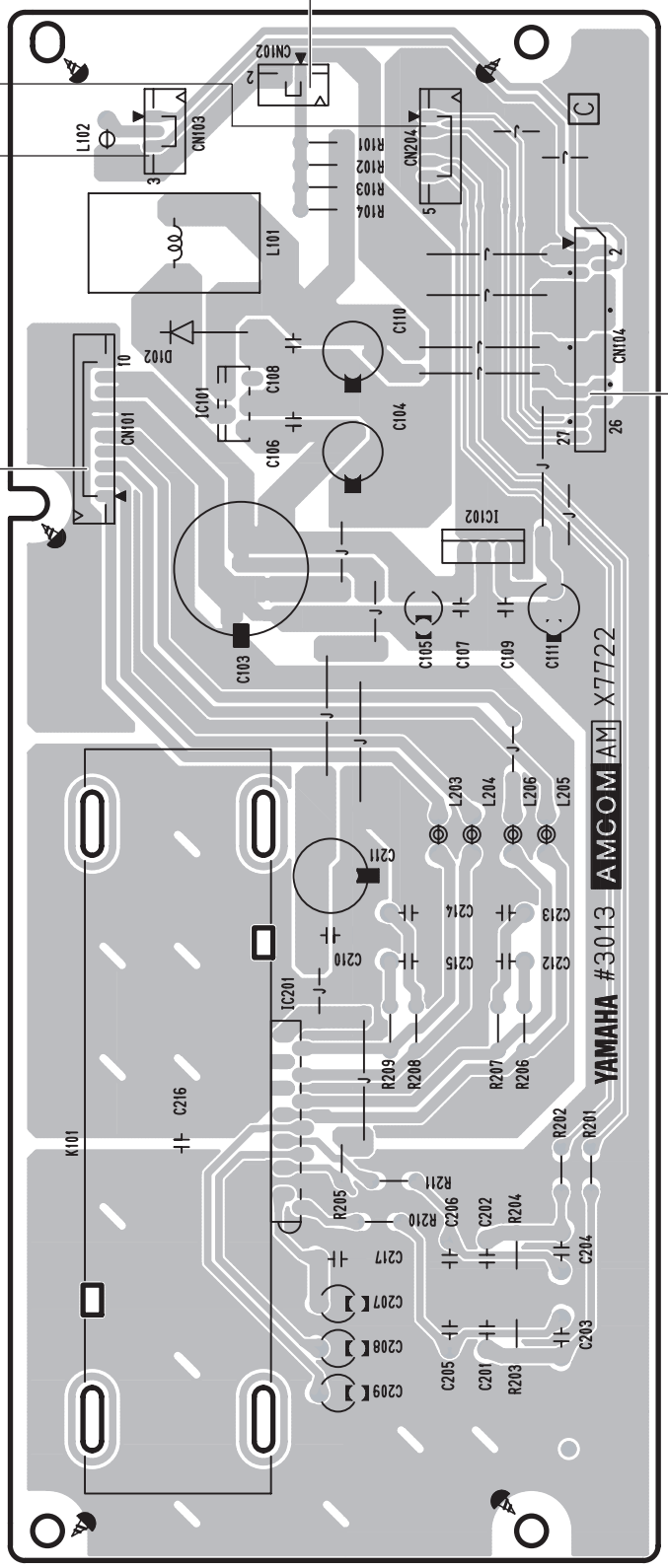
2NA-WH33370

• MVR Circuit Board



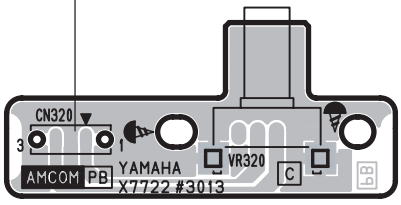
MASTER VOLUME
Component Side（部品側）

• AM Circuit Board



Component Side（部品側）

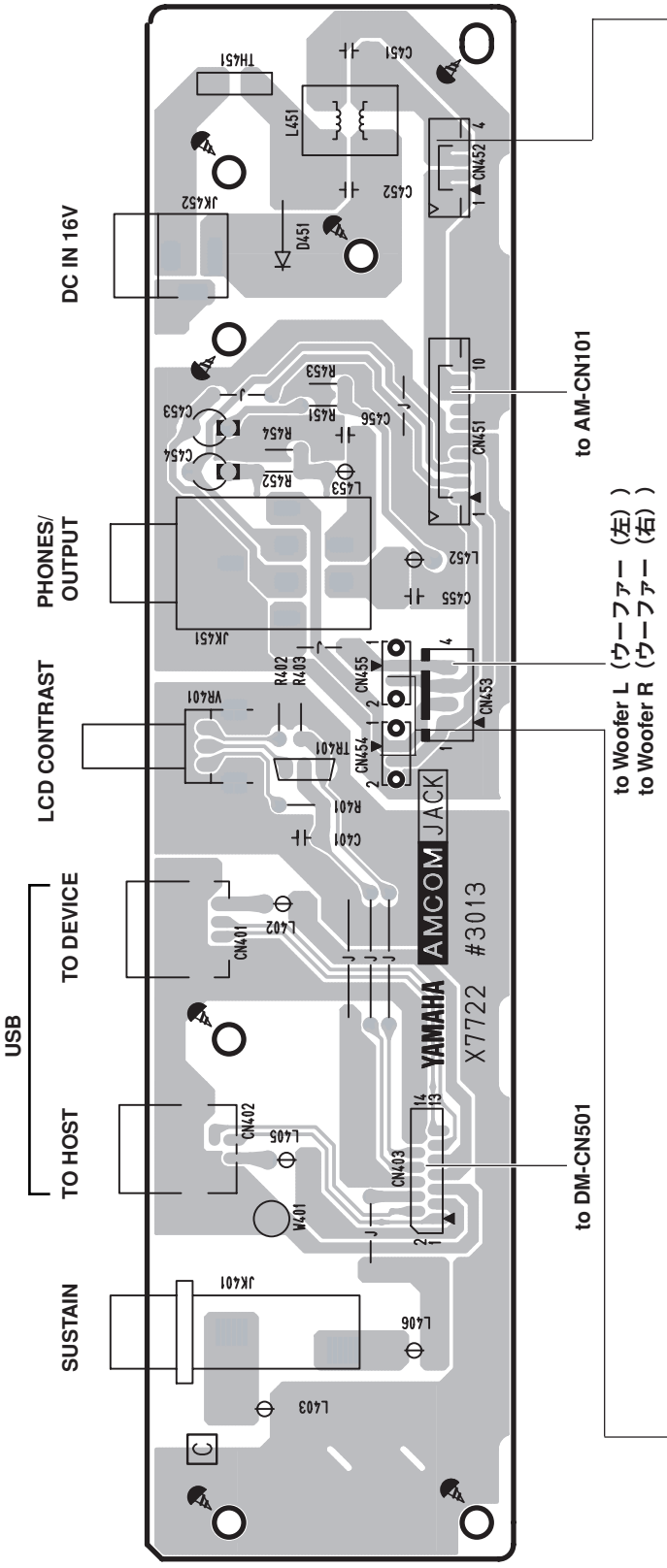
• PB Circuit Board



Component Side（部品側）

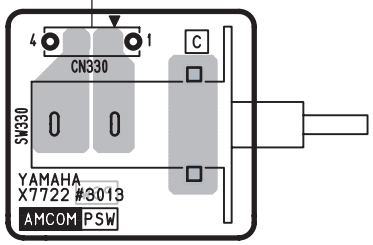
AM: 2NA-WH33410
MVR: 2NA-WH33410
PB: 2NA-WH33410

• JACK Circuit Board



Component Side（部品側）

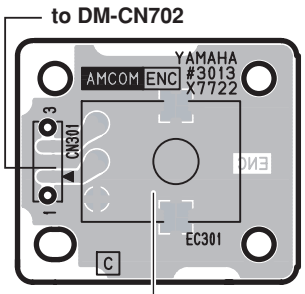
• PSW Circuit Board



STANDBY/ON

Component Side（部品側）

• ENC Circuit Board

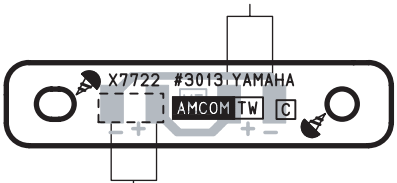


Rotary Encoder

Component Side（部品側）

• TW Circuit Board

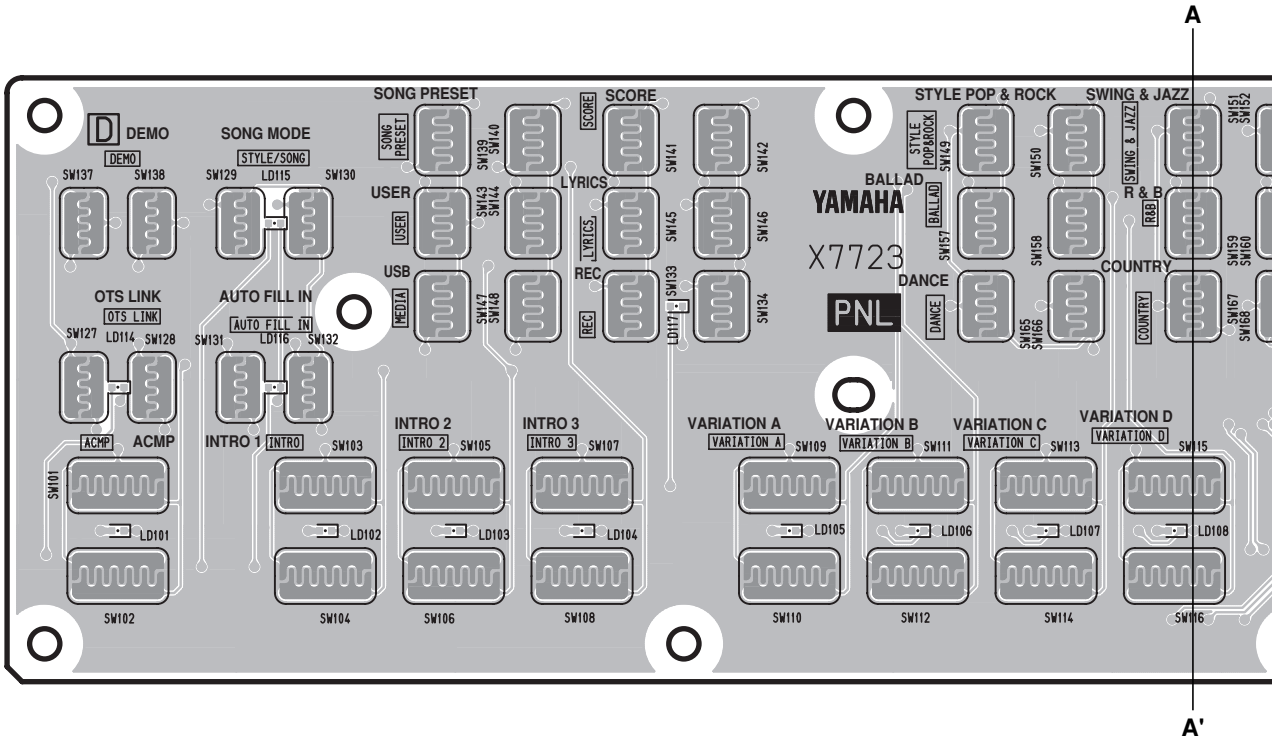
TWL: to Tweeter L（ツィーター（左））
TWR: to Tweeter R（ツィーター（右））

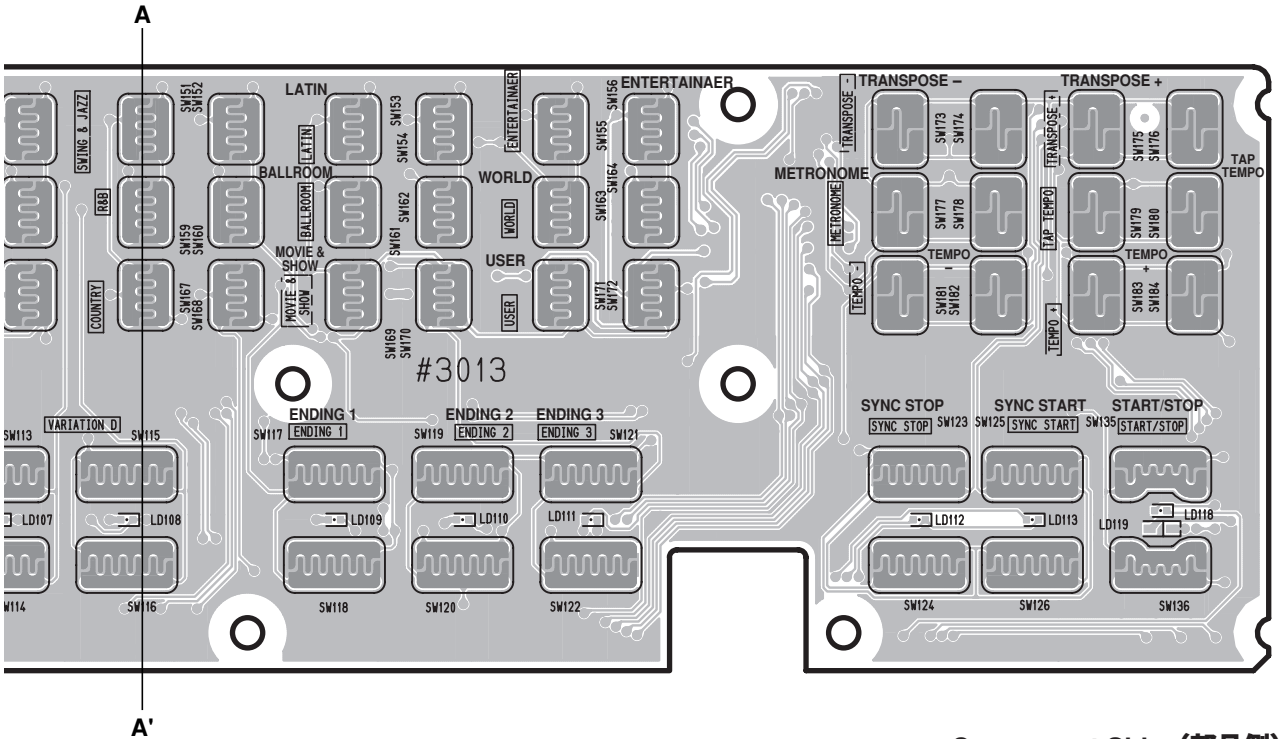


Component Side（部品側）

JACK: 2NA-WH33410
PSW: 2NA-WH33410
ENC: 2NA-WH33410
TW: 2NA-WH33410

• PNL Circuit Board

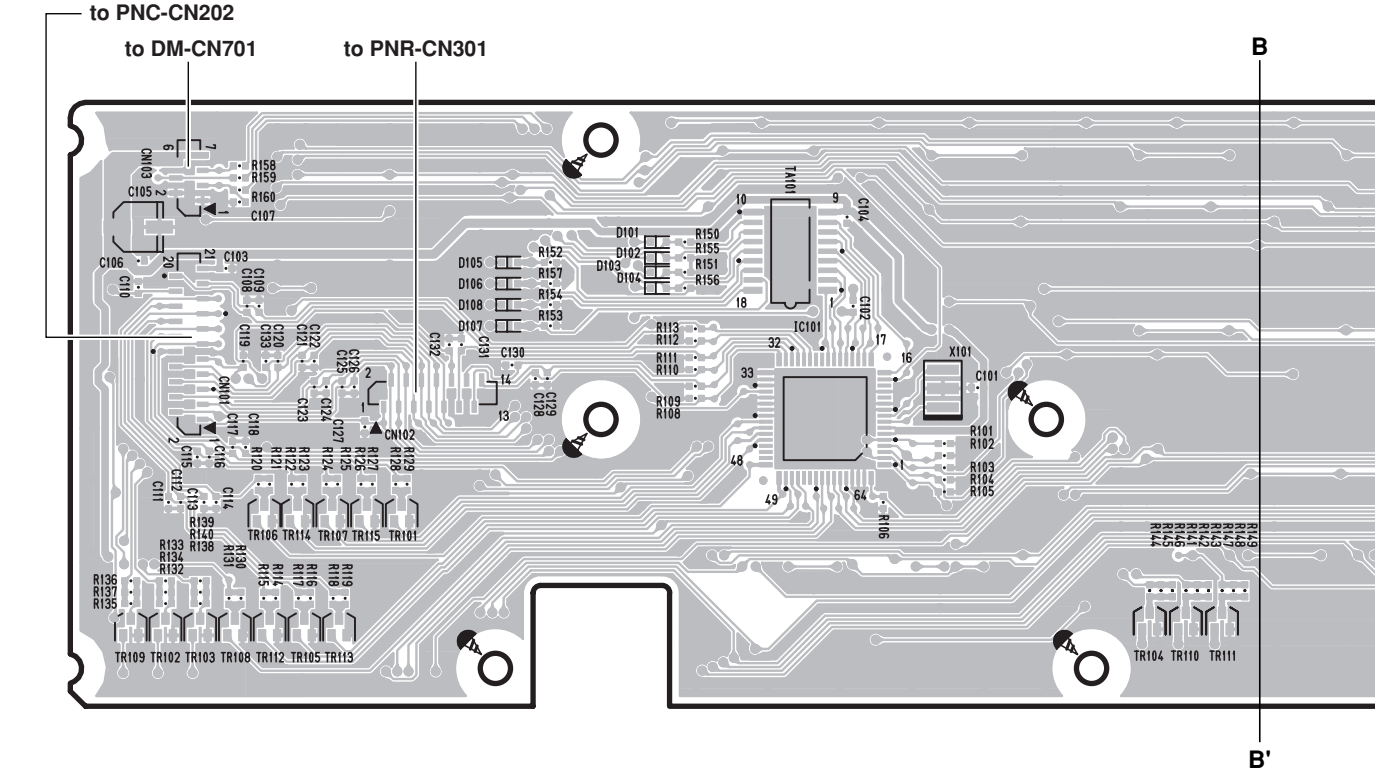


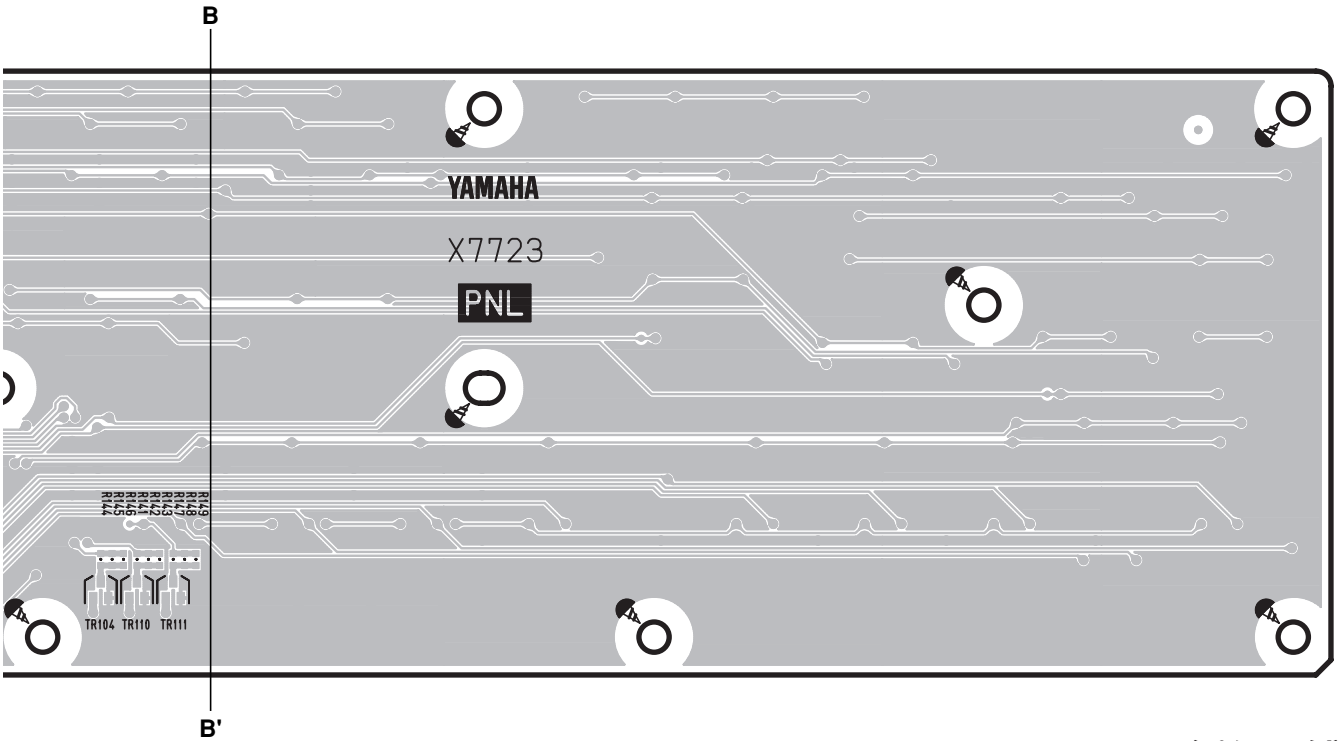


Component Side（部品側）

2NA-WH33400

•PNL Circuit Board

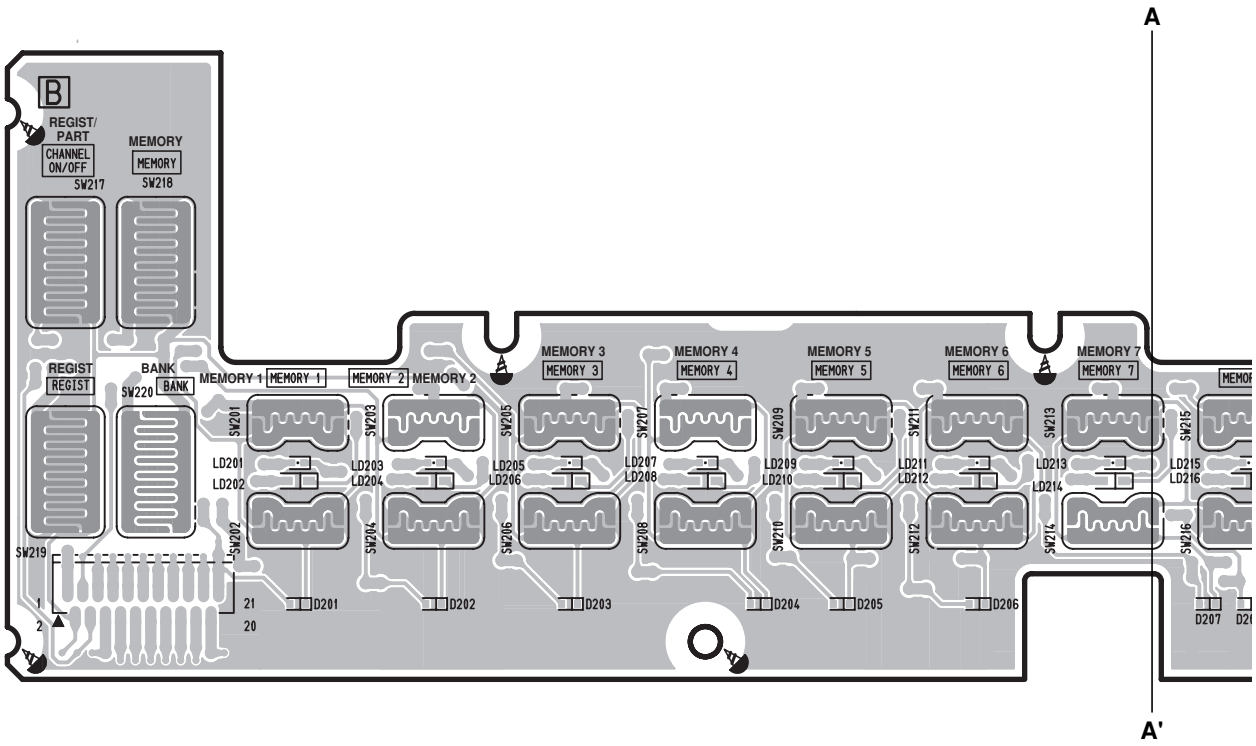


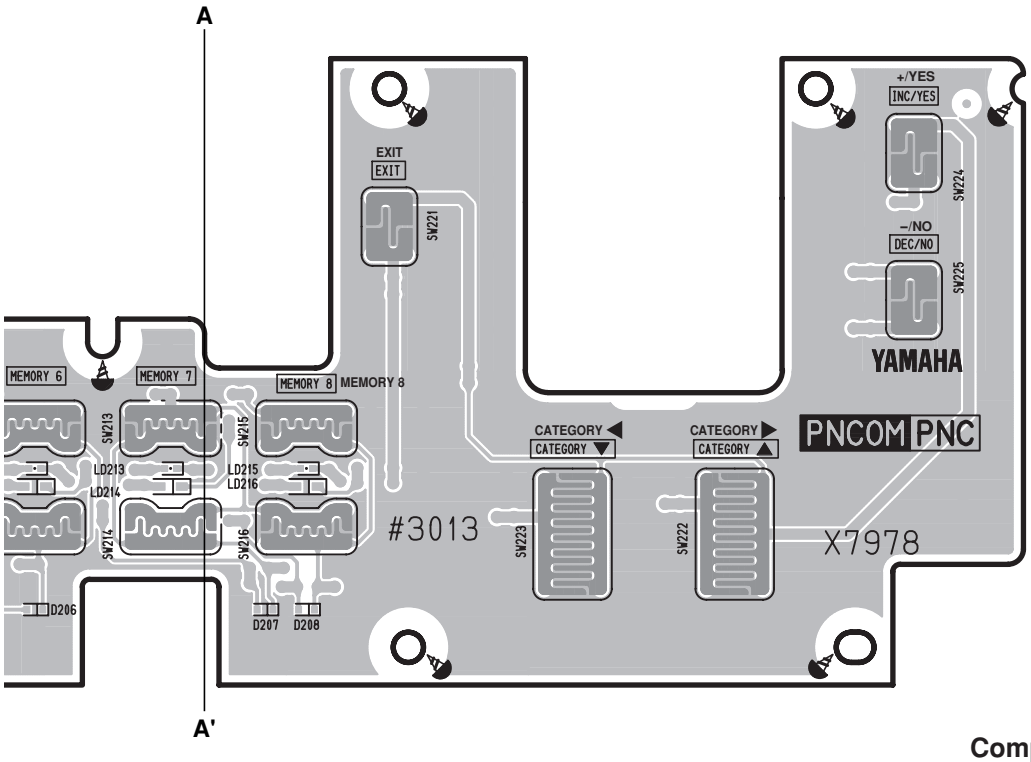


Pattern Side（パターン側）

2NA-WH33400

• PNC Circuit Board

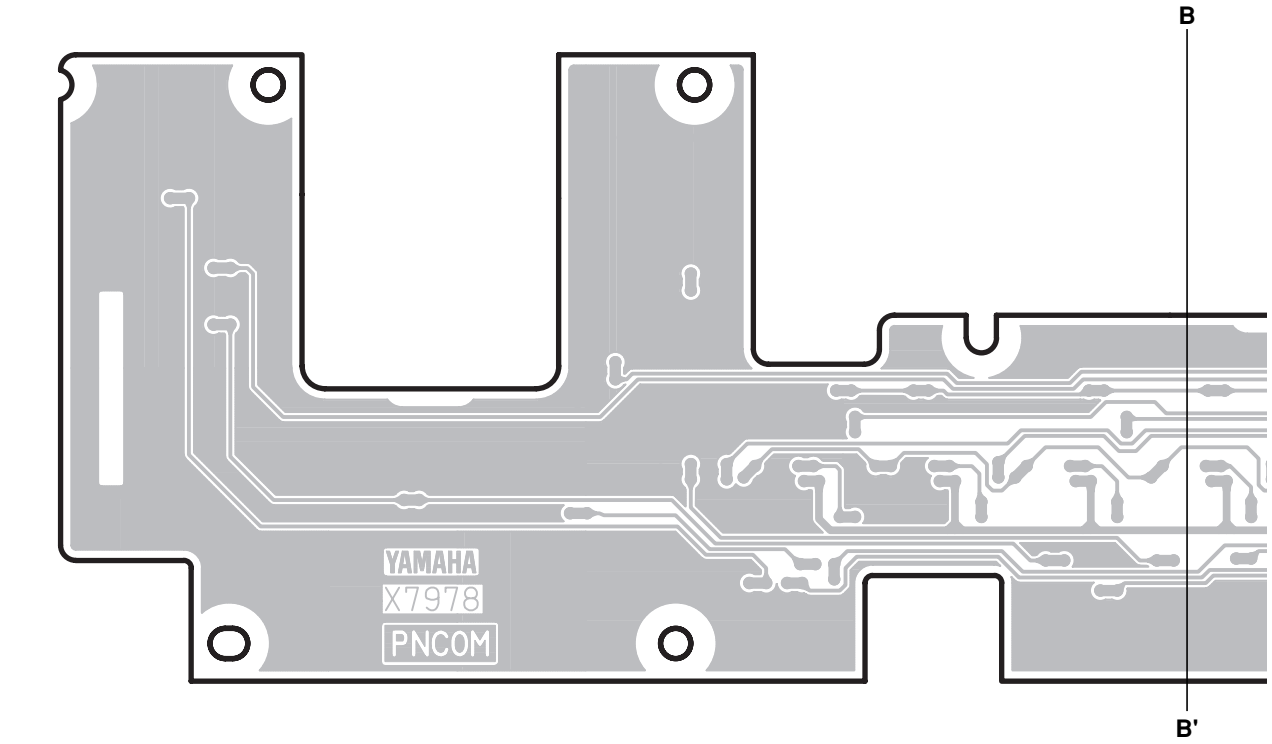


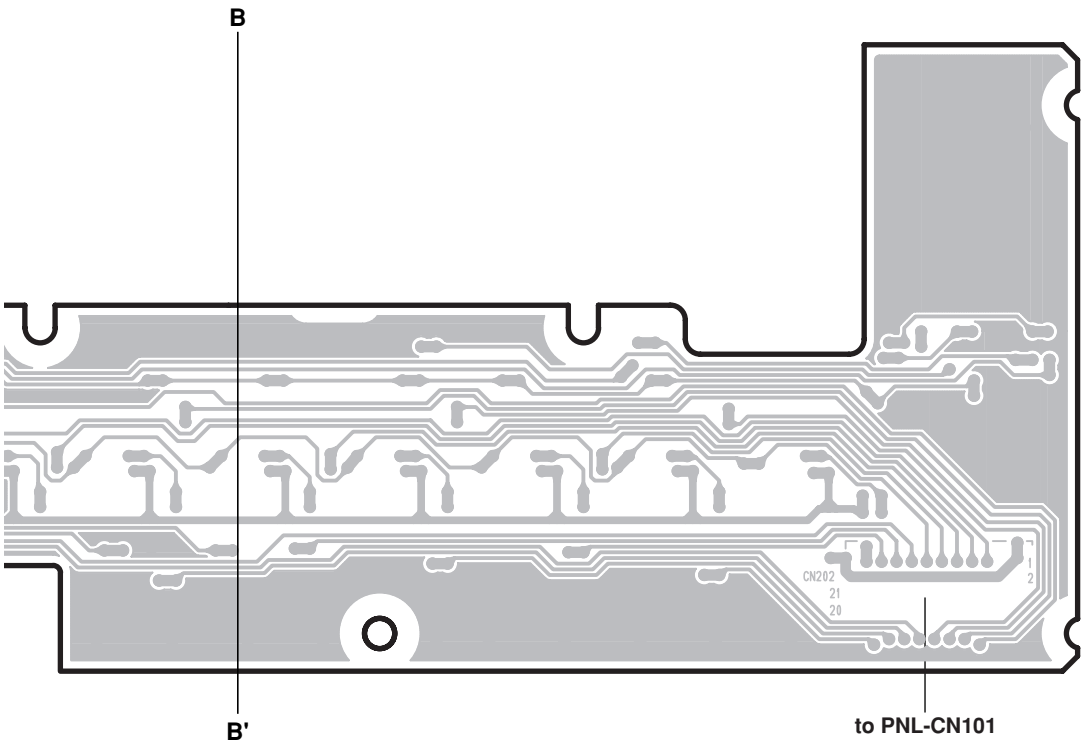


Component Side（部品側）

2NA-WH50940

• PNC Circuit Board

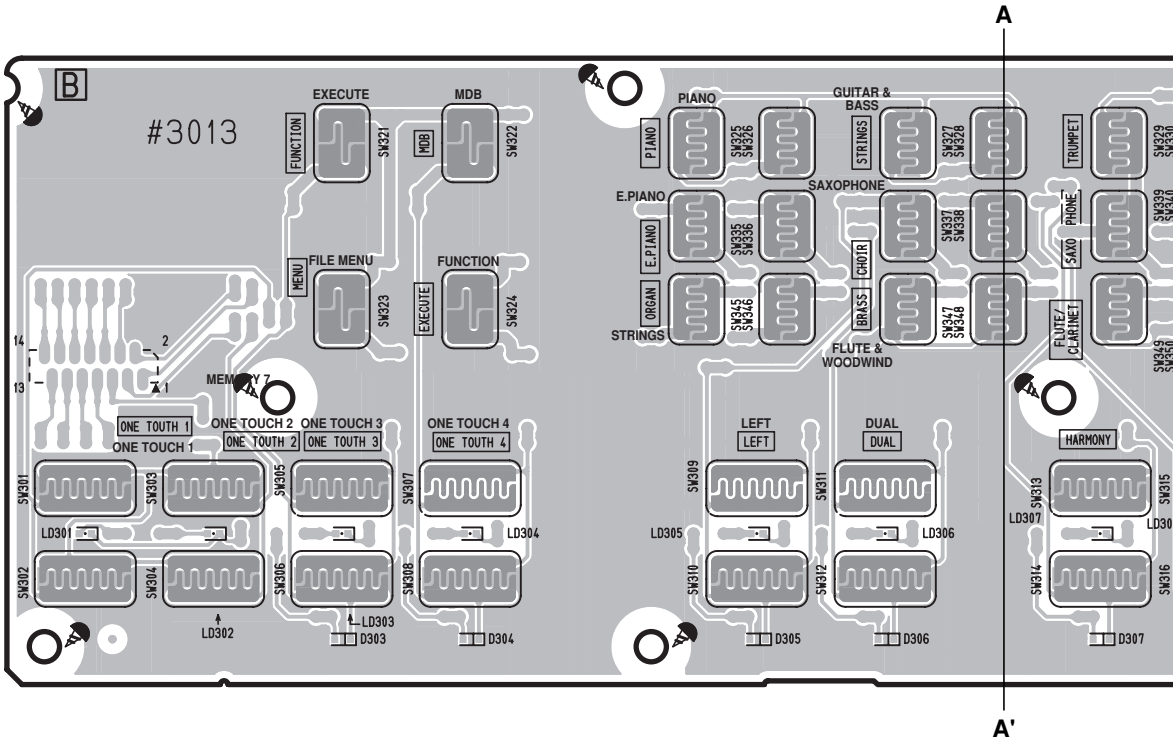


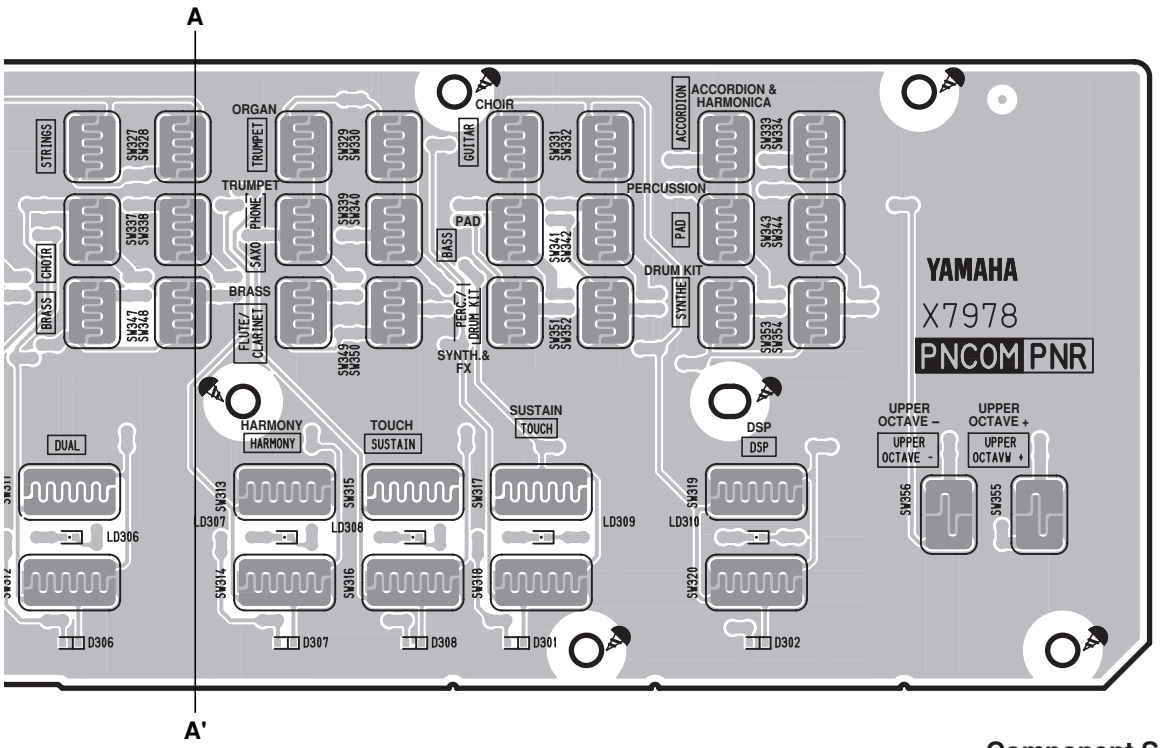


Pattern Side（パターン側）

2NA-WH50940

• PNR Circuit Board

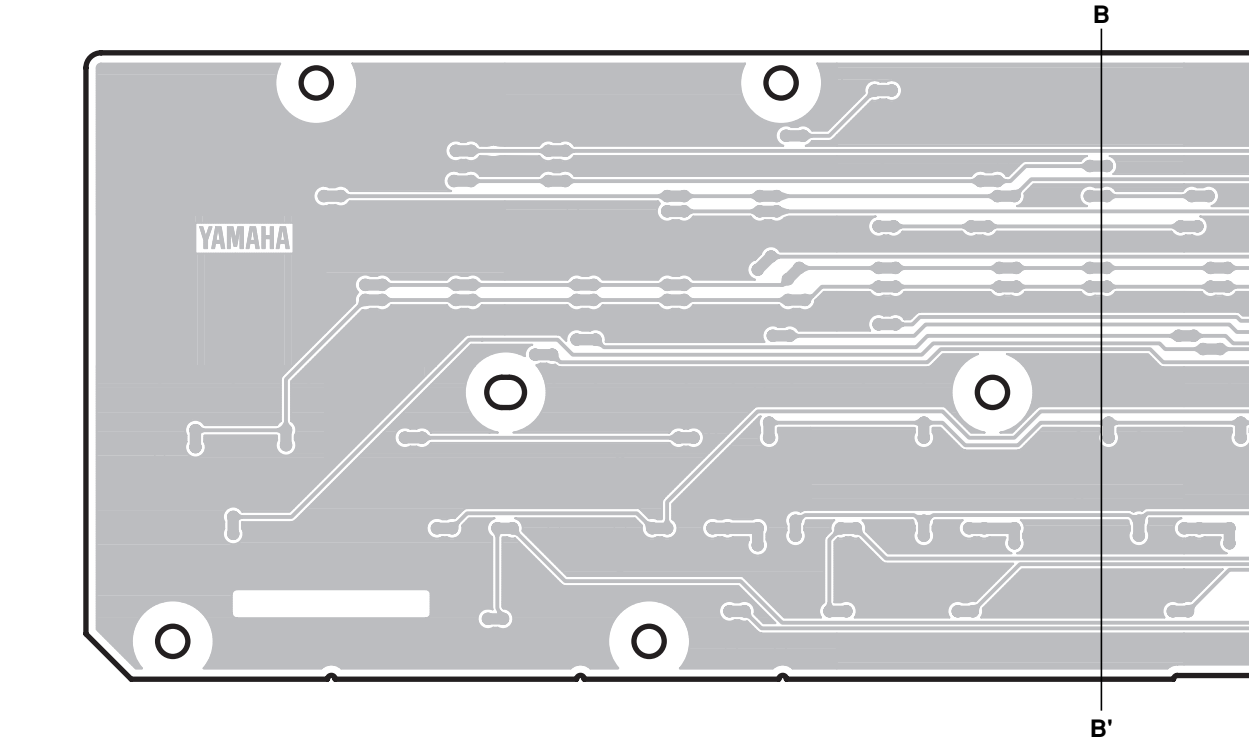


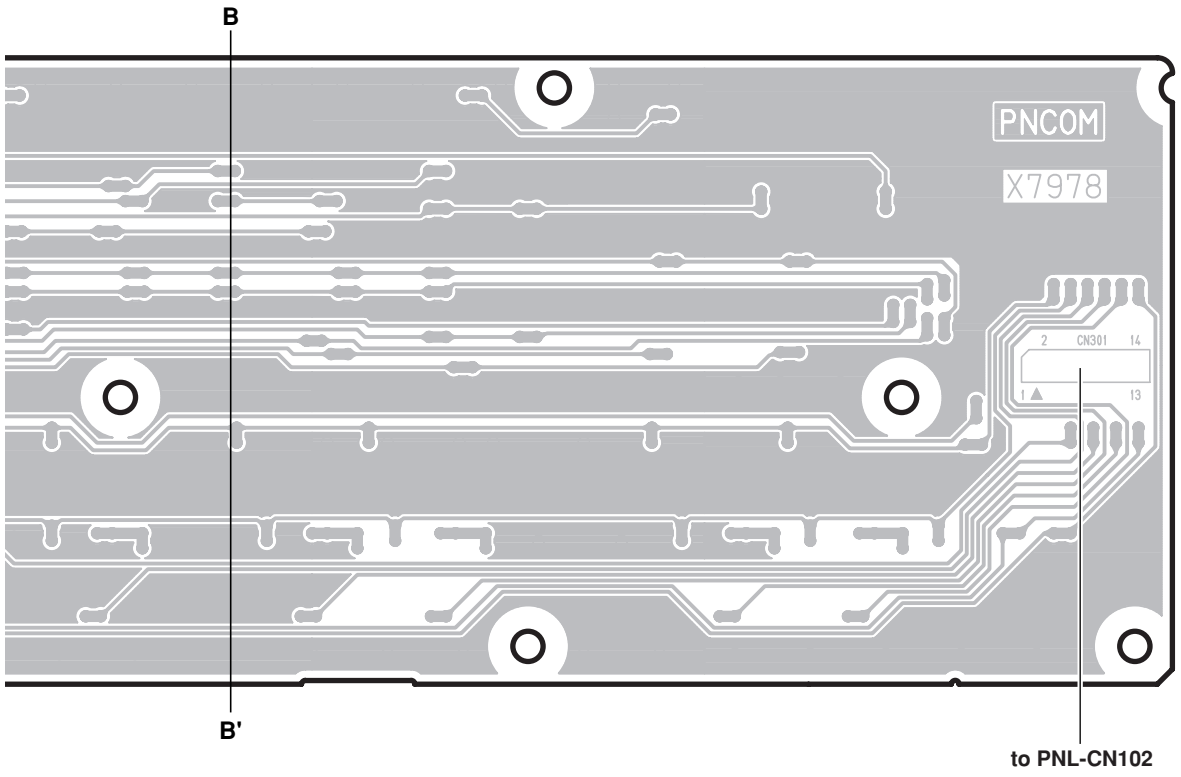


Component Side（部品側）

2NA-WH50940

• PNR Circuit Board

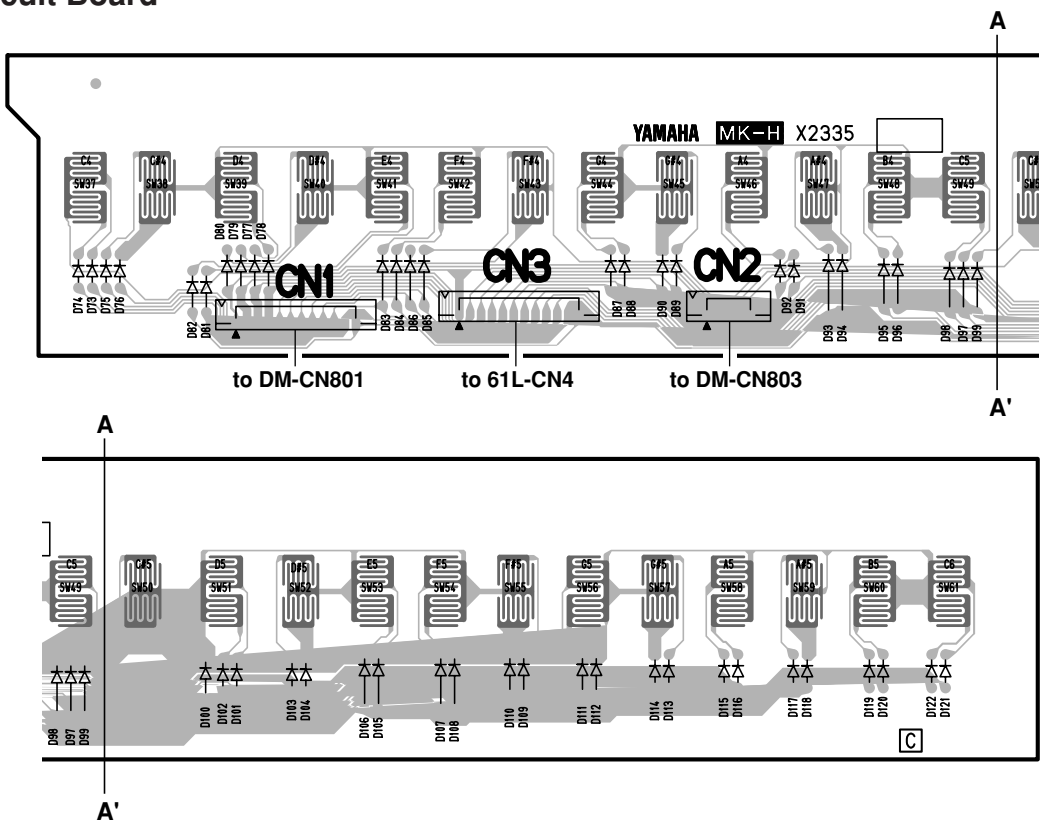




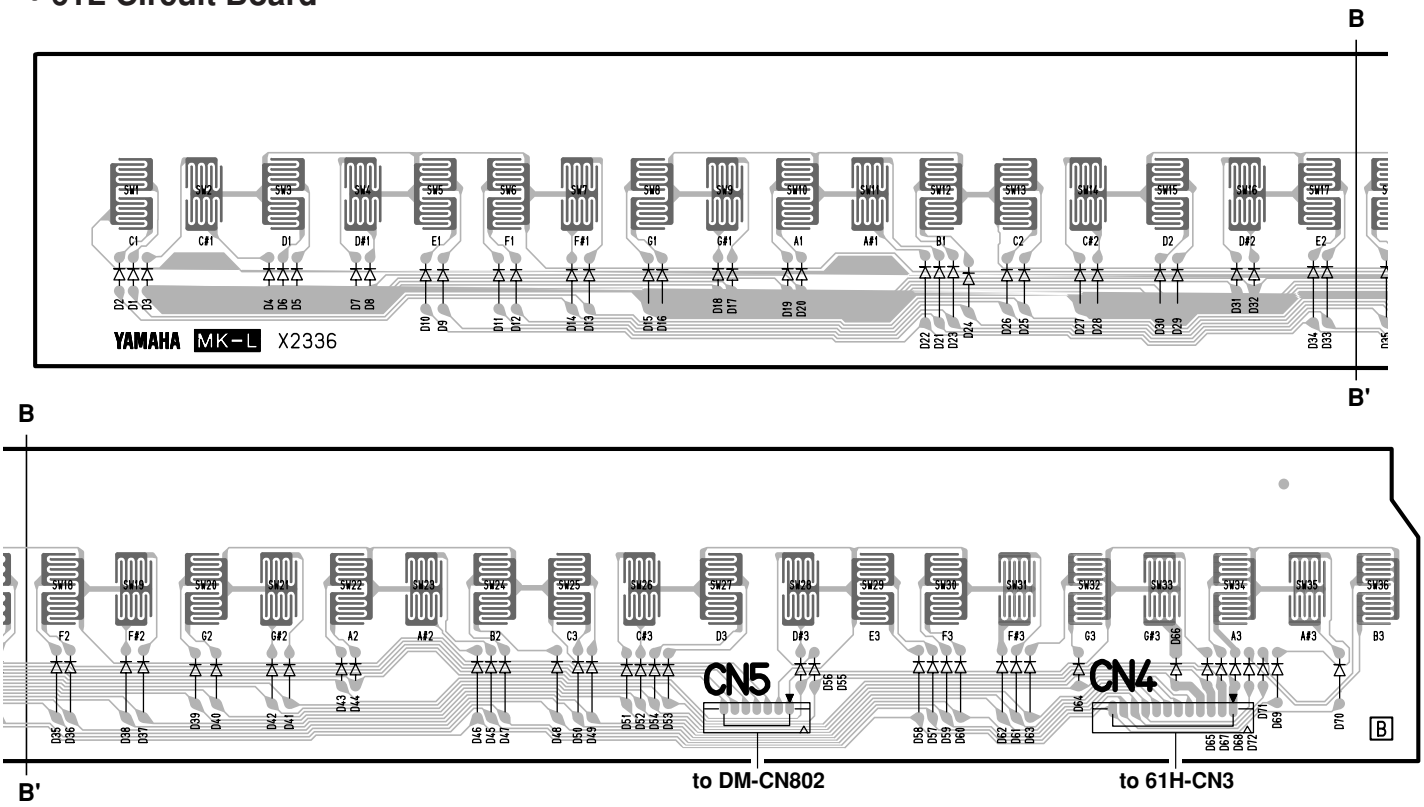
Pattern Side（パターン側）

2NA-WH50940

• 61H Circuit Board



• 61L Circuit Board



61H: 2NAKB-V869540
61L: 2NAKB-V869520

■ TEST PROGRAM

*	***If you execute the test No.49 (Factory Set), then the user's preset data may be lost. Therefore, back up the user's data in advance.***

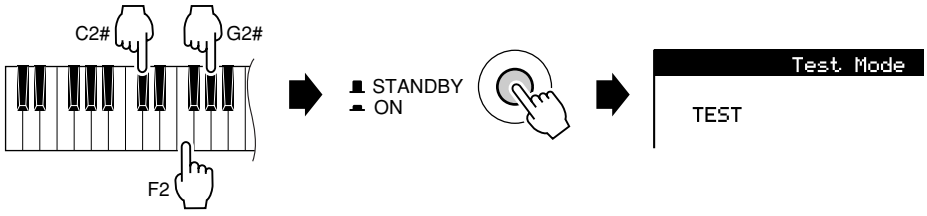
A. PREPARATION

1) PA-301 or PA-300B (AC adaptor) is used.
2) Measuring instruments: frequency counter, level meter (with JIS-C filter)
   Note: Connect a stereo plug to the [PHONES/OUTPUT] jack at 33 Ω.
3) Jigs: Foot switch (FC-4 or FC-5), USB cable, USB flash memory, USB-MIDI driver (*1)
   PC (Install a USB-MIDI driver (*1) in PC and finish the THROUGH setup.)

*1 Obtain the USB-MIDI driver from CD-ROM(X9448A00) for PSR-S550/PSR-S550B or Yamaha official website.
(URL>>http://www.yamahapkclub.com)

B. HOW TO ENTER THE TEST PROGRAM

While pressing the C2#, F2 and G2# keys, turn the [STANDBY/ON] switch on.



C. TEST PROCEDURE

1) When the test program is started, "TEST" will be displayed on the LCD.
2) Press the [+/YES] or [–/NO] button to select a test program item.
3) Press the [START/STOP] button to execute the test.

* If the test result is OK, or the test item is completed, press the [START/STOP] button again to return to the test item selection display.
  Proceed to the next test by pressing the [-] or [+] button.

* Press the [-] or [+] button of the number buttons to select the next test program item.

* When the test result is OK, an asterisk (∗) is added in front of its item name on display.
  If the test result is NG, press the [DEMO] button or the lowest (leftmost) white key to return to the item selection display.

D. Test Item List

TEST No.	LCD Display	Test Descriptions, Judgment Criteria
--	--	Contrast Check Set the contrast knob to the legible position of LCD. When the contrast knob is turned clockwise (or counterclockwise), the LCD becomes blue (or white).
1	001 Version	Displays ROM versions (Prog, Wave). (In case of OK:"XXX" Prog / Wave, NG:"Err" Prog / Wave)
2	002 Rom Chk1	Checks the ROM that is connected to the CPU bus. The test results appear on the LCD. Check that the LCD displays "Rom OK". (OK:"Rom OK", NG:"Rom NG")

D. Test Item List

TEST No.	LCD Display	Test Descriptions, Judgment Criteria
3	003 Ram Chk1	Checks the RAM that is connected to the CPU bus. The test results appear on the LCD. Check that the LCD displays "Ram OK". (OK:"Ram OK", NG:"Ram NG")
4	004 Flash Rom Chk1	Checks the flash ROM that is connected to CPU bus. The check result appears on the LCD. Check that the LCD displays "Flash Ram OK". (OK:"Flash Rom OK", NG:"Flash Rom NG")
5	005 Wave Rom Chk1	Checks the wave ROM that is connected to CPU bus. The check result appears on the LCD. Check that the LCD displays "Wave OK". (OK:"Wave OK", NG:"Wave NG")
7	007 TG1 Chk	Outputs the sine wave by changing the channels in sequence from C2 to G4.[32 notes] Check the sound by hearing that there is no noise or abnormal sound. After auto-scaling is finished, individual keys can be played. (If playing two or more keys simultaneously, the first pressed key has priority to make a sound.)
8	008 Pit Chk	Connect the frequency counter to the [PHONES/OUTPUT] jack L or R. Check that the correct signal is produced. (441.0 Hz ± 0.2 Hz)
	--	Volume Decrescence Check Connect the level meter(with a JIS-C filter) to the [PHONES/OUTPUT] jack. (33Ω load) Set the [MASTER VOLUME] at minimum and check the output level. PHONES L : less than -70.0 dBu PHONES R : -70.0 dBu (dBu=dBm)
9	009 Output R	Connect the level meter (with a JIS-C filter) to the [PHONES/OUTPUT] jack. (33Ω load) Set the [MASTER VOLUME] at maximum and check the output level (1 kHz sine wave, PAN=R). PHONES L : less than -45.0 dBu PHONES R : -5.5 dBu ± 2 dB
10	010 Output L	Connect the level meter (with a JIS-C filter) to the [PHONES/OUTPUT] jack. (33Ω load) Set the [MASTER VOLUME] at maximum and check the output level (1 kHz sine wave, PAN=L). PHONES L : -5.5 dBu ± 2 dB PHONES R : less than -45.0 dBu
18	018 SW Chk	Checks the switches on the panel. Press the switches on the LCD as instructed. A pre-assigned note is output when the switch is pressed. A rotary encoder is clockwise set up to UP and is counterclockwise set to DOWN. (See P.36 "Table 1".) The check result appears on the LCD when all the switches are pressed as instructed. Check that "SW OK" is displayed. Also, check that no key stick is existed. (OK:"SW OK", NG:"SW NG", When multiple switches are pressed at the same time:"Over Two")
19	019 All LED Chk	Check that all the LEDs on the panel are on.
20	020 Red LED Chk	Check that all the red LEDs on the panel are on.
21	021 Green LED Chk	Check that all the green LEDs on the panel are on.
22	022 LCD On	Check that all LCD dots are on. (The whole screen becomes white.)
23	023 LCD Off	Check that all LCD dots are off. (The whole screen becomes blue.)

TEST No.	LCD Display	Test Descriptions, Judgment Criteria
29	029 Pedal4 Chk	Connect the foot switch (FC-4 or FC-5) to the [SUSTAIN] jack. Check that the C3 note is output when the [START/STOP] button is pressed while stepping the pedal and the C4 note is output when releasing the pedal. The sound stops when stepping the pedal again. Check that the LCD displays "Pedal4 OK". (OK:"Pedal4 OK", NG:"Pedal4 NG")
30	030 Pitch Bend Chk	Checks the pitch bend wheel. (First, it checks if the center position of the wheel is correct or not.) Check that the C3 note is output when rotating the [PITCH BEND] wheel to minimum and the C4 note is output when rotating it to maximum. (OK:"Pitch Bend OK", NG:"Pitch Bend NG", If the center position of the wheel is not correct:"Center NG")
32	032 MIDI Chk	Checks MIDI and USB. Connect the PC with a USB-MIDI driver installed and the [USB TO HOST] terminal using a USB cable, and execute the test. (As for the PC, install a USB-MIDI driver in the PC and finish the THROUGH setup, in advance.) Check that the C4 note is output and the LCD displays "MIDI OK". (OK:"MIDI OK", NG:"MIDI NG")
33	033 USB Connect Chk	Checks the USB connection. 1. Execute this test. “USB Connect1 --” is displayed on the LCD. Connect the [TO DEVICE] and [TO HOST] terminals using a USB cable. Make sure that the LCD display changes to “USB Connect2 --”. 2. Remove the USB cable from the [TO DEVICE] terminal, and insert a USB flash memory into the [TO DEVICE] terminal. Make sure the C4 note is output and “USB Connect OK” is displayed on the LCD. (OK:"USB Connect OK", NG:"USB Connect NG")
34	034 USB Storage Chk	Checks the USB storage. Connect a USB flash memory to the [TO DEVICE] terminal, and execute the test. Make sure that “USB Storage OK” is displayed on the LCD. (OK:"USB Storage OK", NG:"USB Storage NG")
44	044 Rom Chk2	Checks the ROM that is connected to the CPU bus. The test result appears on the LCD. Check that the LCD displays "Rom OK". It takes about 3 seconds. (OK:"Rom OK", NG:"Rom NG")
45	045 Ram Chk2	Check the RAM that is connected to the CPU bus. The test results appear on the LCD. Check that the LCD displays "Ram OK". (OK:"Ram OK", NG:"Ram NG")
46	046 Flash RomChk2	Checks the flash ROM that is connected to CPU bus. The check result appears on the LCD. Check that the LCD displays "Flash Ram OK". It takes about 50 seconds. (OK:"Flash Rom OK", NG:"Flash Rom NG")
47	047 Wave RomChk2	Checks the wave ROM that is connected to CPU bus. The check result appears on the LCD. Check that the LCD displays "Wave Ram OK". It takes about 2 minutes. (OK:"Flash Rom OK", NG:"Flash Rom NG")

TEST No.	LCD Display	Test Descriptions, Judgment Criteria
49	049 Factory Set	All backup domains are initialized and it changes into a factory-shipments state when executing this test.
50	050 Test Exit	Exit from the test program after executing this test.
--	--	Noise Check (in the normal mode) Connect the level meter(with a JIS-C filter) to the [PHONES/OUTPUT] jack. (33 ohm load) Set the [MASTER VOLUME] at maximum and check that the noise level is within the range below. PHONES L/R : less than -78.0 dBu

* dBu=dBm

* Note: As for the test no.44 - 47, it takes time. If you want to skip them, press the [+/YES] button several times to go to the test no.49 (Factory Set).

Table 1（表１）

ORDER（順番）	SWITCH NAME（SW名）	LED（付属LED）	NOTE（ノート番号）
1	DIAL UP		C2
2	DIAL DOWN		C#2
3	DEMO		D2
4	SONG MODE	RED	D#2
5	SONG PRESET		E2
6	SONG SCORE		F2
7	SONG USER		F#2
8	SONG LYRICS		G2
9	SONG USB		G#2
10	SONG REC	RED	A2
11	POP&ROCK		A#2
12	SWING&JAZZ		B2
13	LATIN		C3
14	ENTERTAINER		C#3
15	BALLAD		D3
16	R & B		D#3
17	BALLROOM		E3
18	WORLD		F3
19	DANCE		F#3
20	COUNTRY		G3
21	MOVIE&SHOW		G#3
22	USER		A3
23	TRANSPOSE –		A#3
24	TRANSPOSE +		B3
25	METRONOME		C4
26	TAP TEMPO		C#4
27	TEMPO –		D4
28	TEMPO +		D#4
29	REGIST/TRACK		E4
30	MEMORY		F4
31	EXIT		F#4
32	-/YES		G4
33	+/NO		G#4
34	EXECUTE		A4
35	MDB		A#4
36	FILE MENU		B4
37	FUNCTION		C5
38	PIANO		C#5
39	GUITAR & BASS		D5
40	ORGAN		D#5
41	CHOIR		E5
42	ACCORDION & HARMONICA		F5
43	E.PIANO		F#5
44	SAXOPHONE		G5
45	TRUMPET		G#5
46	PAD		A5

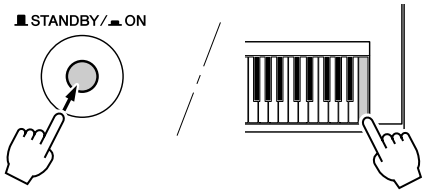
ORDER（順番）	SWITCH NAME（SW名）	LED（付属LED）	NOTE（ノート番号）
47	PERCUSSION		A#5
48	STRINGS		B5
49	FLUTE & WOODWIND		C6
50	BRASS		C#6
51	SYNTH. & FX		D6
52	DRUM KIT		D#6
53	OTS LINK	RED	C2
54	AUTO FILL IN	RED	C#2
55	ACMP	RED	D2
56	INTRO 1	RED	D#2
57	INTRO 2	RED	E2
58	INTRO 3	RED	F2
59	MAIN A	RED	F#2
60	MAIN B	RED	G2
61	MAIN C	RED	G#2
62	MAIN D	RED	A2
63	ENDING 1	RED	A#2
64	ENDING 2	RED	B2
65	ENDING 3	RED	C3
66	SYNC STOP	RED	C#3
67	SYNC START	RED	D3
68	START/STOP	RED/GREEN	D#3
69	REGIST BANK –		E3
70	REGIST BANK +		F3
71	REG. MEMORY 1	RED/GREEN	F#3
72	REG. MEMORY 2	RED/GREEN	G3
73	REG. MEMORY 3	RED/GREEN	G#3
74	REG. MEMORY 4	RED/GREEN	A3
75	REG. MEMORY 5	RED/GREEN	A#3
76	REG. MEMORY 6	RED/GREEN	B3
77	REG. MEMORY 7	RED/GREEN	C4
78	REG. MEMORY 8	RED/GREEN	C#4
79	CATEGORY <		D4
80	CATEGORY >		D#4
81	O. T. S. 1	RED	E4
82	O. T. S. 2	RED	F4
83	O. T. S. 3	RED	F#4
84	O. T. S. 4	RED	G4
85	LEFT	RED	G#4
86	DUAL	RED	A4
87	HARMONY	RED	A#4
88	TOUCH	RED	B4
89	SUSTAIN	RED	C5
90	DSP	RED	C#5
91	UPPER OCT –		D5
92	UPPER OCT +		D#5

■ INITIALIZATION

This function erases all User Songs, User Styles, User MDB, and backup data in the instrument's internal memory and restores the initial default settings and data. The following initialization procedures are provided.

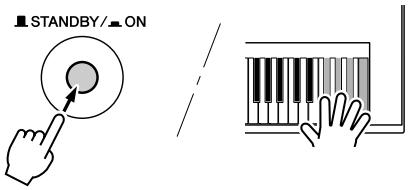
Backup Clear

To clear backup data to the internal memory, simultaneously hold the highest white key on the keyboard and turn the power on by pressing the [STANDBY/ON] switch.
The backed up data will be erased and the default values restored.



MEMORY Clear

To clear the User Song data, User Style data or User MDB data that has been transferred to the internal memory from a computer, simultaneously hold the highest white key on the keyboard and the three highest black keys and then turn the power on by pressing the [STANDBY/ON] switch.



> ⚠ *When you execute the Clear operation,* User Song, User Style or User MDB *you have purchased will also be cleared. Be sure to save any impotant data to a computer.*

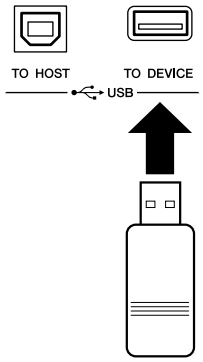
■ DATA BACKUP

To back up user data to an external device, use a USB flash memory.
Refer to the following for the data you can back up using it.

- User Songs
- User Styles
- User MDB
- Registration Memory

Using USB Flash Memory

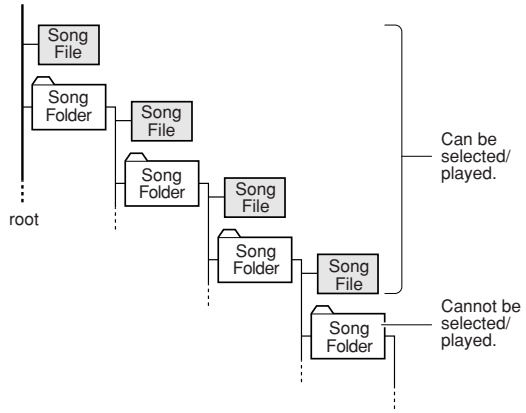
1 Connect a USB flash memory to the USB TO DEVICE terminal, being careful to insert it in the proper direction. (Do not try to force an improper connection.)



IMPORTANT !

- ***In order to play Songs or Styles copied to a USB flash memory from a computer or other device, the files must be stored either in the USB flash memory's root directory or a first, second, or third level folder. Songs stored here can be selected and played as USB Song. Songs stored in fourth-level-folders created inside a third-level folder cannot be selected and played by this instrument.***

USB flash memory (Root)



The directory can be moved using the CATEGORY [◀]/[▶] buttons.

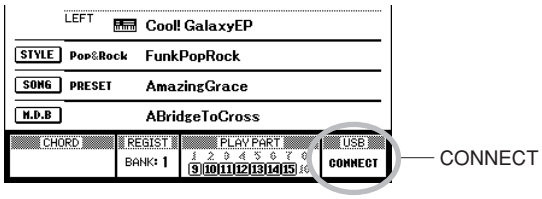
2 Check that the "CONNECT" message is shown in the MAIN display.

NOTE

- *No sound will be produced if you play the keyboard while the FILE CONTROL display is showing. Also, in this state only buttons related to file functions will be active.*

NOTE

- *The FILE CONTROL display will not appear in any of the following cases:*
  - *During style or song playback.*
  - *While data is being loaded from a USB flash memory.*



You can go to the FILE CONTROL display from which you can access USB flash memory operations by pressing the [FILE MENU] button from this display.
(Do not press this button now, but only when instructed to in the sections below.)

- Formatting USB Flash Memory
- Saving the Registration Data
- Saving a User Song or User Style
- Loading Registration Files, Style Files, Song Files or MDB Files

Formatting USB Flash Memory

A new USB flash memory device must be formatted before it can be used by this instrument.

⚠ *CAUTION*

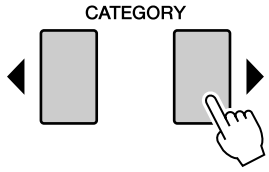
- *If you format a USB flash memory that already contains data, all of the data will be erased. Be careful not to erase important data when using the format function.*

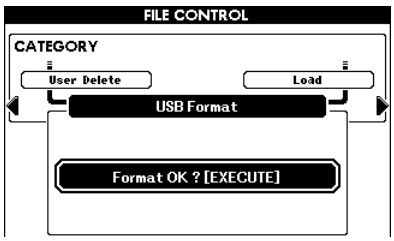
1 After connecting the USB flash memory to be formatted to the instrument's USB TO DEVICE terminal, check that the "CONNECT" message is shown in the MAIN display.

2 Press the [FILE MENU] button.

3 Use the CATEGORY [◀] and [▶] buttons to select the Format item.

The display prompts you for confirmation.





4 Press the [EXECUTE] button and the display prompts you for confirmation.

You can press the [-/NO] button at this point to cancel the operation.

5 Press the [EXECUTE] button again, or the [+/YES] button, and the format operation will begin.

⚠ *CAUTION*

- *Once the format-in-progress message appears in the display, the format operation cannot be canceled. Never turn off the power or remove the USB flash memory device during this operation.*

6 A message appears in the display indicating that the operation is complete.

Press the [EXIT] button to return to the MAIN display.

NOTE

- *If the USB flash memory device has been write-protected, an appropriate message will appear in the display and you will not be able to execute the operation.*

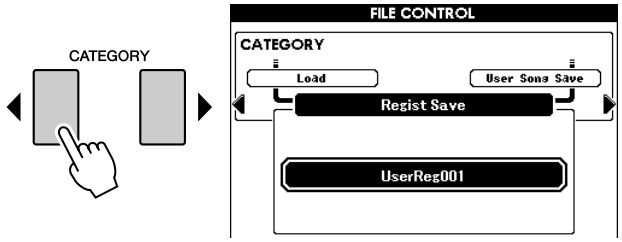
Saving the Registration Data

The registration data you created in the instrument can be saved to a USB flash memory device.

1 Make sure that a appropriately formatted USB flash memory device has been properly connected to the instrument's USB TO DEVICE terminal, and that a "CONNECT" message is shown in the MAIN display.

2 Press the [FILE MENU] button.

3 Use the CATEGORY [◀] and [▶] buttons to locate the Regist Save item.



> ● **To Overwrite an Existing File**
>
> If you want to overwrite a file that already exists on the USB flash memory device, use the dial or the [+/YES] and [-/NO] buttons to select the file, then skip ahead to step 6.

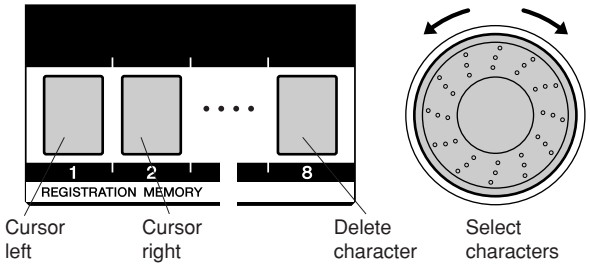
NOTE

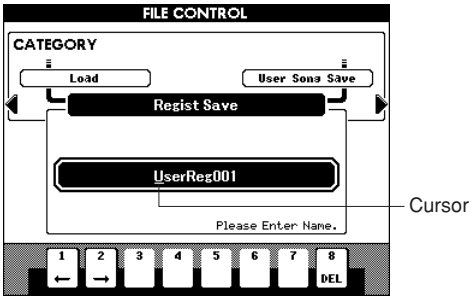
- *If the USB flash memory has been write-protected, an appropriate message will appear in the display and you will not be able to execute the operation.*
- *If there is not enough capacity left on the USB flash memory device to save the data, an appropriate message will appear in the display and you will not be able to save the data. Erase unwanted files from the USB flash memory device to make more memory available, or use a different USB device.*

4 Press the [EXECUTE] button. A cursor will appear below the first character in the file name.

5 Change the file name as necessary.

- The [1] button moves the cursor to the left,and the [2] button moves it to the right.
- Use the dial to select a character for the current cursor location.
- The [8] button deletes the character at the cursor location.





6 Press the [EXECUTE] button. The display prompts you for confirmation.

You can cancel the save operation at this point by pressing the [-/NO] button.

7 Press the [EXECUTE] button again, or the [+/YES] button, and the save operation will begin.

The user song will be stored to the USER FILE folder in the USB flash memory device.

⚠ CAUTION

- ***Once the save-in-progress message appears in the display, the operation cannot be canceled. Never turn off the power or remove the USB flash memory device during this operation.***

8 Press the [EXIT] button to return to the MAIN display.

NOTE

- *If an existing filename is specified the display prompts you for confirmation. Press [EXECUTE] or [+/YES] if it is OK to overwrite the file, or [-/NO] to cancel.*
- *The amount of time it will take to perform the save operation depends on the particular USB flash memory device you are using.*

Saving a User Song or User Style

This operation saves user Songs (Song numbers 001-005) or user Styles to USB flash memory. Songs are saved in SMF Format 0.

● **What is SMF (Standard MIDI File)?**

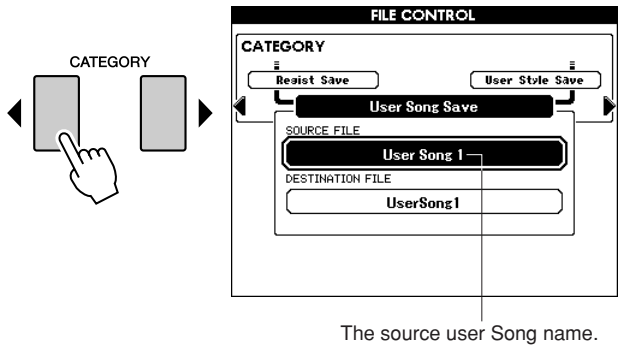
The SMF (Standard MIDI File) format is one of the most common and widely compatible sequence formats used for storing sequence data. There are two variations: Format 0 and Format 1. A large number of MIDI devices are compatible with SMF Format 0, and most commercially available MIDI sequence data is provided in SMF Format 0.

1 Make sure that a properly formatted USB flash memory device has been properly connected to the instrument's USB TO DEVICE terminal, and that the "CONNECT" message is shown in the MAIN display.

2 Press the [FILE MENU] button.

3 Use the CATEGORY [◀] and [▶] buttons to locate the User Song or User Style Save item.

The SOURCE FILE—a user Song name or a user Style name—will be highlighted.



4 Use the dial to select the source user Song or Style.

You can press the [+/YES] and [-/NO] buttons simultaneously to select the first user Song or Style.

5 Press the [EXECUTE] button.

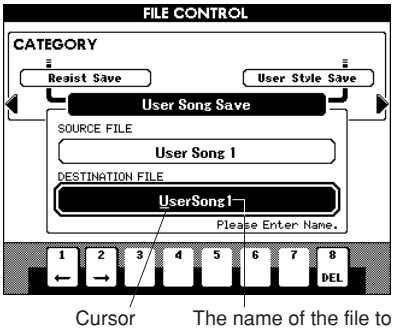
The destination Song or Style will be highlighted, and a default name will appear for the converted Song or Style file.

● **To Overwrite an Existing File**

If you want to overwrite a file that already exists on the USB flash memory device, use the dial or the [+/YES] and [-/NO] buttons to select the file, then skip ahead to step 8.

6 Press the [EXECUTE] button. A cursor will appear below the first character in the file name.

7 Change the file name as necessary. Refer to"Saving the Registration Data" for filename entry.



8 Press the [EXECUTE] button. The display prompts you for confirmation.

You can cancel the save operation at this point by pressing the [-/NO] button.

9 Press the [EXECUTE] button again, or the [+/YES] button, and the save operation will begin.

The user Song will be stored to the USER FILE folder in the USB flash memory device.

⚠ CAUTION

- ***Once the save-in-progress message appears in the display, the operation cannot be canceled. Never turn off the power or remove the USB flash memory during this operation.***

10 A message appears in the display indicating that the operation is complete.

Press the [EXIT] button to return to the MAIN display.

NOTE

- *If an existing filename is specified, the display prompts you for confirmation. Press [EXECUTE] or [+/YES] if it is OK to overwrite the file, or [-/NO] to cancel.*
- *The amount of time it will take to perform the save operation depends on the particular USB flash memory device you are using.*

Loading Registration Files, Style Files, Song Files or MDB Files

Registration files, Style files, Song files and MDB files residing on a USB flash memory can be loaded to the instrument.

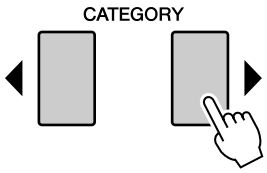
⚠ *CAUTION*

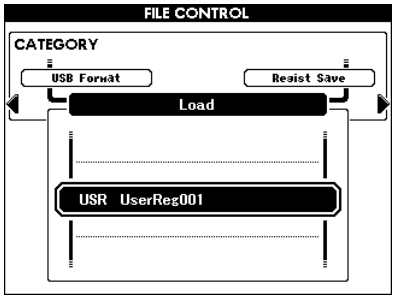
- *If the same file name already exists in the instrument's internal memory, it will be overwritten.*

1 With the USB flash memory device containing the file you want to load connected to the USB TO DEVICE connector, check that the "CONNECT" message is shown in the MAIN display.

2 Press the [FILE MENU] button.

3 Use the CATEGORY [◀] and [▶] buttons to locate the Load item.





4 Use the dial to select the Registration, Style, Song or MDB file you want to load.

All user files in the USB flash memory device will be displayed first, followed by the Registration files.

NOTE

- *The instrument will not recognize the Style file if it is moved out of the USER FILES folder.*

5 Press the [EXECUTE] button. The display prompts you for confirmation.

You can cancel the load operation at this point by pressing the [-/NO] button.

6 Press the [EXECUTE] button again, or the [+/YES] button, and the load operation will begin.

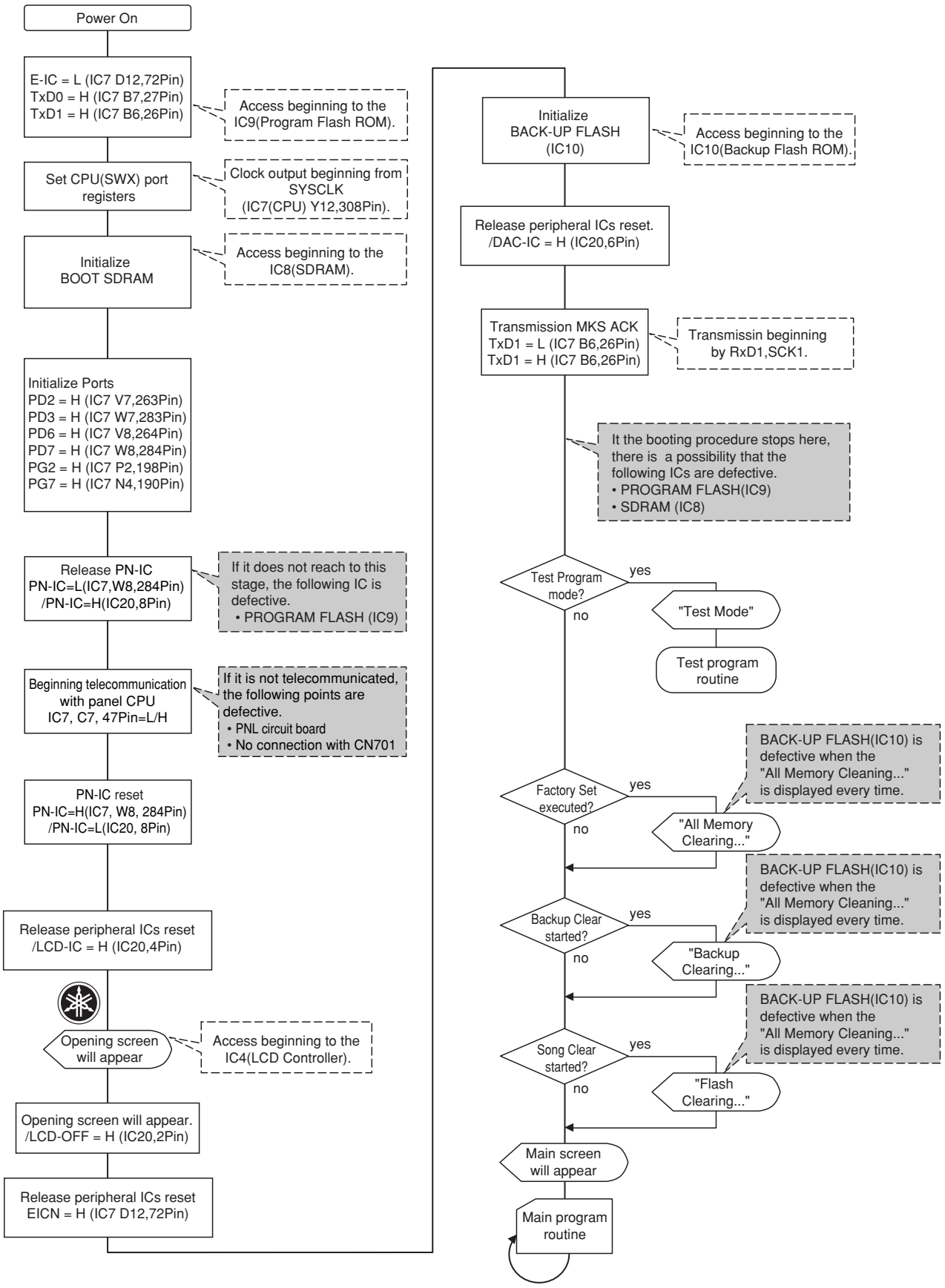
⚠ *CAUTION*

- *Once the load-in-progress message appears in the display, the operation cannot be canceled. Never turn off the power or remove the USB flash memory during this operation.*

7 A message appears in the display indicating that the operation is complete.

Press the [EXIT] button to return to the MAIN display

■ SYSTEM BOOTING FLOW CHART



* "Factory Set" refers to the condition of turning on the power after executing "Factory Set" in the Test Program.

■ MIDI IMPLEMENTATION CHART（MIDIインプリメンテーションチャート）

YAMAHA [Digital Keyboard] Date:11-APR-2008
Model PSR-S550 MIDI Implementation Chart Version:1.0

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	1 - 16	1 - 16	
	Changed	1 - 16	1 - 16	
Mode	Default	3	3	
	Messages	x	x	
	Altered	**********	x	
Note Number : True voice		0 - 127 **********	0 - 127 0 - 127	
Velocity	Note ON	o 9nH,v=1-127	o 9nH,v=1-127	
	Note OFF	x 9nH,v=0	x	
After Touch	Key's	x	x	
	Ch's	x	o	
Pitch Bend		o 0-24 semi	o 0-24 semi	
Control Change	0,32	o	o	Bank Select
	1,5,7,10,11	o	o	
	6,38	o	o	Data Entry
	64-67	o	o	
	71-74	o	o	Song Controller
	84	o	o	Portament Cntrl
	91,93,94	o	o	Effect Depth
	96-97	x	o	RPN Inc,Dec
	98-99	o	o	NRPN LSB,MSB
	100-101	o	o	RPN LSB,MSB
Prog Change : True #		o 0 - 127 **********	o 0 - 127	
System Exclusive		o	o	
Common	: Song Pos.	x	x	
	: Song Sel.	x	x	
	: Tune	x	x	
System Real Time	: Clock	o	o	
	: Commands	o	o	
Aux Mes- sages	:All Sound OFF	x	o(120,126,127)	
	:Reset All Cntrls	x	o(121)	
	:Local ON/OFF	x	o(122)	
	:All Notes OFF	x	o(123-125)	
	:Active Sense	o	o	
	:Reset	x	x	

Mode 1 : OMNI ON , POLY Mode 2 : OMNI ON ,MONO o : Yes
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF,MONO x : No

■ MIDI DATA FORMAT

NOTE:

1 By default (factory settings) the instrument ordinarily functions as a 16-channel multi-timbral tone generator, and incoming data does not affect the panel voices or panel settings. However, the MIDI messages listed below do affect the panel voices, auto accompaniment, and songs.
- *MIDI Master Tuning*
- *System exclusive messages for changing the Reverb Type, Chorus Type and DSP Type.*

2 Messages for these control change numbers cannot be transmitted from the instrument itself. However, they may be transmitted when playing the accompaniment, song or using the Harmony effect.

3 Exclusive

<GM System ON> F0H, 7EH, 7FH, 09H, 01H, F7H
- *This message automatically restores all default settings for the instrument, with the exception of MIDI Master Tuning.*

<MIDI Master Volume> F0H, 7FH, 7FH, 04H, 01H, ll, mm, F7H
- *This message allows the volume of all channels to be changed simultaneously (Universal System Exclusive).*
- *The values of "mm" is used for MIDI Master Volume. (Values for "ll" are ignored.)*

<XG Master Tuning> F0H, 43H, 1nH, 4CH, 00H, 00H, 00H, ddH, ddH, ddH, F7H
- *This message simultaneously changes the tuning value of all channels.*
- *The values of "dd" are used for XG Master Tuning.*
- *The default value of "dd" are 00H, 04H, 00H, 00H, respectively.*

<Reverb Type> F0H, 43H, 1nH, 4CH, 02H, 01H, 00H, mmH, llH, F7H
- *mm : Reverb Type MSB*
- *ll : Reverb Type LSB*

Refer to the Effect Type List (Reverbe Types) for details.

<Chorus Type> F0H, 43H, 1nH, 4CH, 02H, 01H, 20H, mmH, llH, F7H
- *mm : Chorus Type MSB*
- *ll : Chorus Type LSB*

Refer to the Effect Type List (Chorus Types) for details.

<DSP Type> F0H, 43H, 1nH, 4CH, 02H, 01H, 40H, mmH, llH, F7H
- *mm : DSP Type MSB*
- *ll : DSP Type LSB*

Refer to the Effect Type List (DSP Types) for details.

4 When the accompaniment is started, an FAH message is transmitted. When accompaniment is stopped, an FCH message is transmitted. When the clock is set to External, both FAH (accompaniment start) and FCH (accompaniment stop) are recognized.

5 Local ON/OFF

<Local ON> Bn, 7A, 7F
<Local OFF> Bn, 7A, 00
Value for "n" is ignored.

DIGITAL WORKSTATION

PSR-S550/PSR-S550B

PARTS LIST

■ **CONTENTS（目次）**

Note) DESTINATION ABBREVIATIONS

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

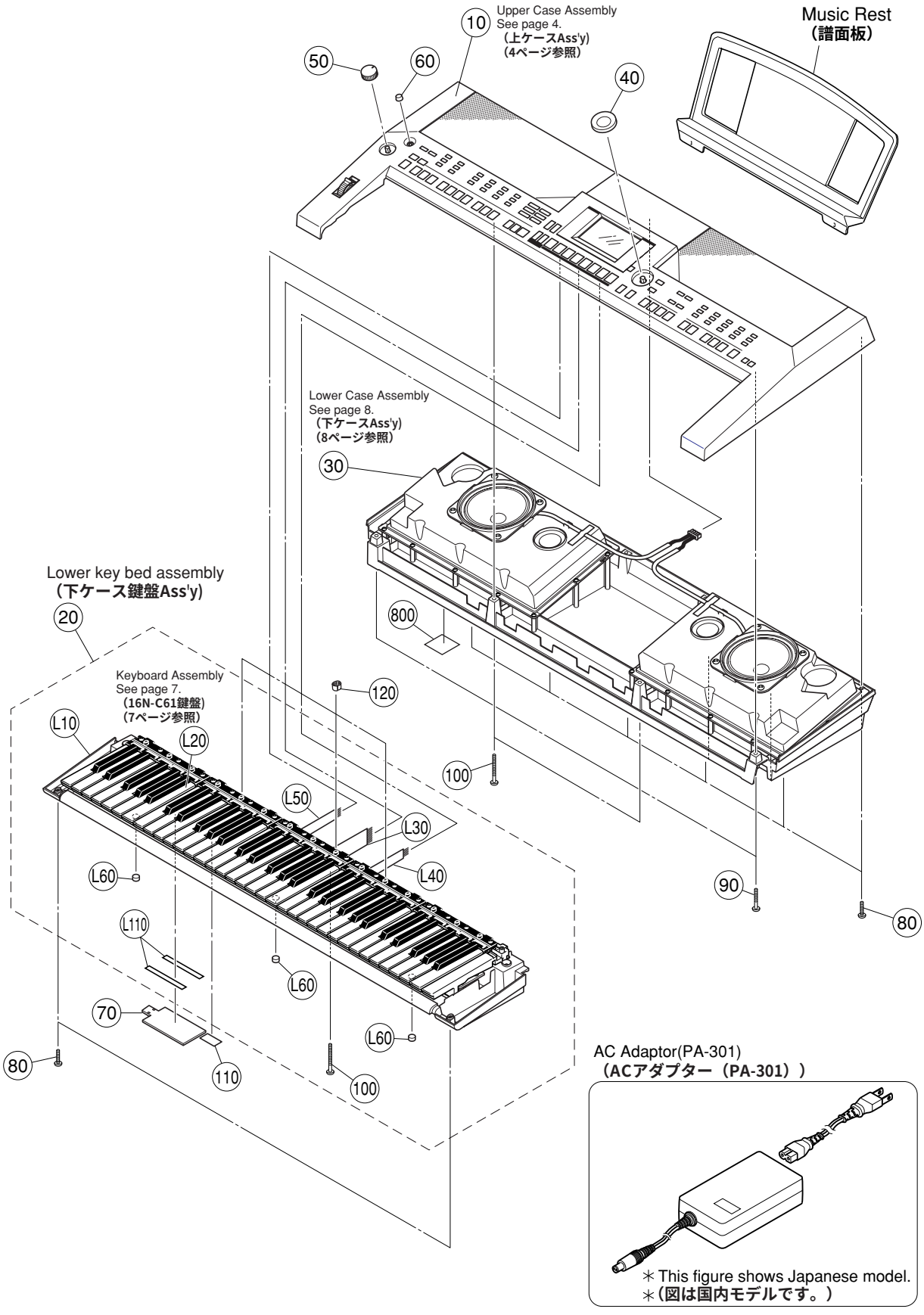
■ **WARNING**

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

⚠**印の部品は、安全を維持するために重要な部品です。交換をする場合は、安全のため必ず指定の部品をご使用下さい。**

■ The numbers in "QTY" shows quantities for each unit.
■ The parts with "--" in "Part No." are not available as spare parts.
■ The second letter of the shaded ( ) part number is I, not one.
■ The second letter of the shaded ( ) part number is O, not zero.
■ **QTY 欄に記されている数字は、各ユニット当たりの使用個数です。**
■ **部品 NO. が** "--" **の部品は、サービス用部品として準備されておりません。**
■ **網掛けの付いた PARTS NO. の 2 番目の文字は「イチ」ではなく「アイ」です。**
■ **網掛けの付いた PARTS NO. の 2 番目の文字は「ゼロ」ではなく「オー」です。**

■ OVERALL ASSEMBLY （総組立）

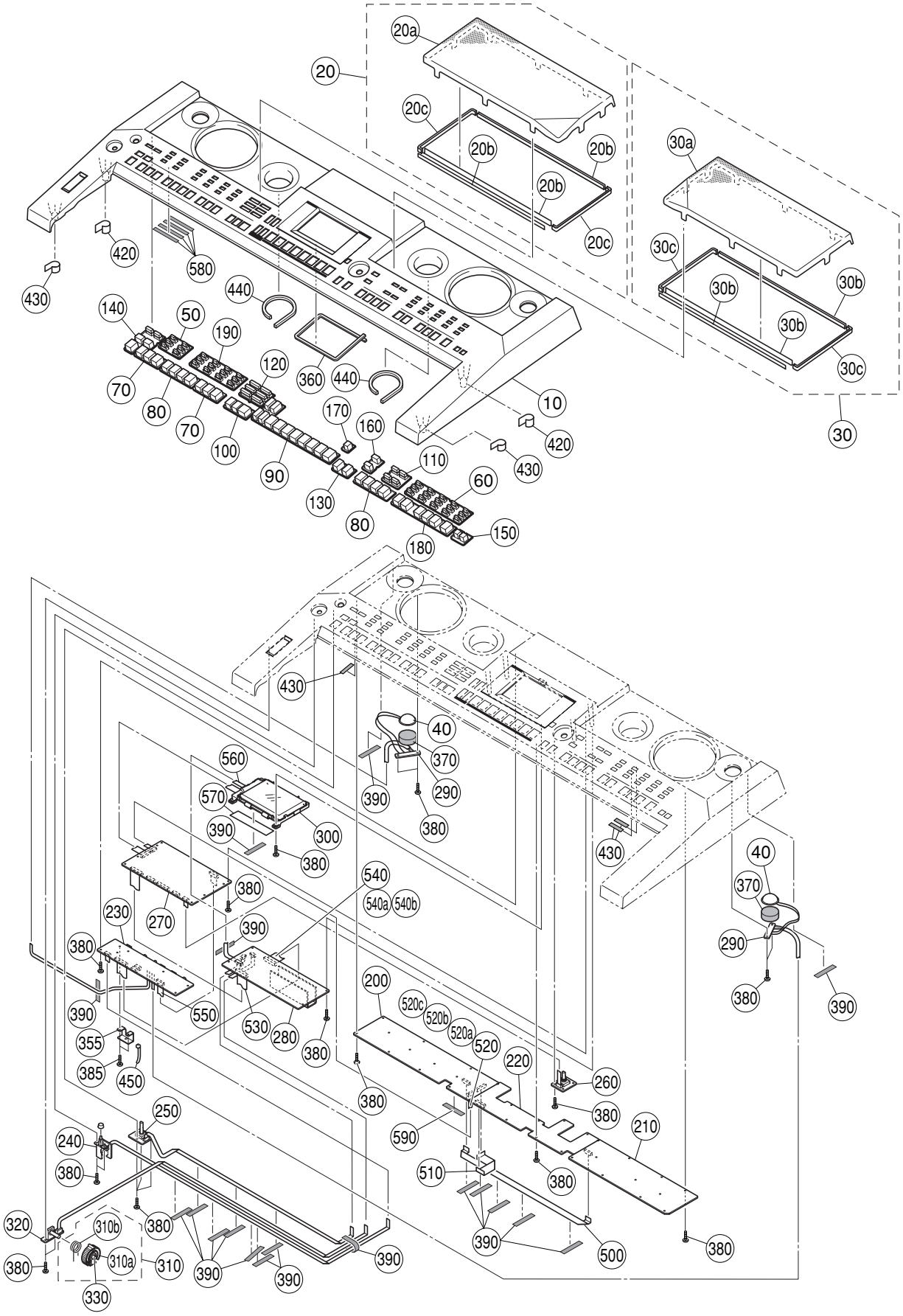


REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
		OVERALL ASSEMBLY		総組立	PSR-S550/PSR-S550B		
	--	OVERALL ASSEMBLY	PT	総組立	PSR-S550 (WN54970) E,U,Y,J,O,C,B		
	--	OVERALL ASSEMBLY	PT	総組立	PSR-S550B (WP47710) E,U,Y,O,C,B		
10	--	UPPER CASE ASSEMBLY		上ケースAss'y	PSR-S500 (WN54980)		
10	--	UPPER CASE ASSEMBLY		上ケースAss'y	PSR-S550B (WP47720)		
20	--	LOWER KEY BED ASSEMBLY		下ケース鍵盤Ass'y	(WH08860)		
30	--	LOWER CASE ASSEMBLY		下ケースAss'y	(WP02260)		
40	**WG455700**	ENCODER KNOB	BLACK	エンコーダツマミ	DATA Dial		01
50	**VU43240R**	KNOB V		Vツマミ	MASTER VOLUME		
60	**V715120R**	PUSH KNOB BLACK		プッシュツマミ クロ	STANDBY/ON		01
70	**WH267700**	BATTERY COVER		バッテリーカバー			02
80	**WE98740R**	BIND HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	Bタイト+BIND		8	01
90	**WF48930R**	BIND HEAD TAPPING SCREW-B	3.0X20 MFZN2W3	Bタイト+BIND		2	01
100	**WF49100R**	BIND HEAD TAPPING SCREW-B	3.0X30 MFZN2W3	Bタイト+BIND		3	01
110	**WH414600**	DUST PROOF CLOTH	40X22X0.5	不織布			01
120	**WH347400**	NONWOVEN FABRIC CLOTH		不織布		3	
800	--	GOST-R LABEL	ALL COMMON E	GOST-R マーク	PSR-S550 Y (WN00110)		
	--	LOWER KEY BED ASSEMBLY		下ケース鍵盤Ass'y	(WH08860)		
L10	**WD83950R**	LOWER CASE F		下ケース成形品(F)			08
L20	**WE126700**	KEYBOARD ASSEMBLY	16N C61-2M	16N-C61-2M			
L30	**WE13850R**	WIRING ASSEMBLY	MK1 12P L=220	MK1束線			01
L40	**WE13870R**	WIRING ASSEMBLY	MK2 5P L=250	MK2束線			01
L50	**WE13880R**	WIRING ASSEMBLY	MK3 7P L=190	MK3束線			01
L60	**CB043752**	RUBBER INSULATOR	MP-1 T1.6	ゴム脚		3	
L110	--	NONWOVEN FABRIC CLOTH		不織布	(WD89680)	2	
		ACCESSORIES		付属品	PSR-S550/PSR-S550B		
	WG073800	MUSIC REST		譜面板			
	X9448A00	CD-ROM MLUTI	CDROM 12cm	CD-ROM マルチ			
⚠	**WH943500**	AC ADAPTER	PA-301 E	ACアダプター	E		
⚠	**WH943400**	AC ADAPTER	PA-301 U	ACアダプター	U,C		12
⚠	**WH943300**	AC ADAPTER	PA-301 J	ACアダプター	PSR-S550 J		
⚠	**WJ049600**	AC ADAPTER	PA-301 CHN	ACアダプター	O		14
⚠	**WH943600**	AC ADAPTER	PA-301 GBR	ACアダプター	B		14
*	**WN553300**	JAPANESE SHEET SET		和文シート袋入り	PSR-S550 J		
*	**WN553400**	CHINESE SHEET SET		中文シート袋入り	PSR-S550 O		
*	**WP479700**	CHINESE SHEET SET		中文シート袋入り	PSR-S550B O		
		TOOL		工具			
	V8973600	JUMPER WIRE	FVP=2.0C26SB10-400	ジャンパーワイヤー	JK-AM extension cable for service use		02
	WG123900	FFC CABLE	P-70	FFCケーブル	AM-DM extension cable for service use		01

* : New Parts (新規部品)

RANK : Japan only

■ UPPER CASE ASSEMBLY （上ケース Ass'y）



	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
			UPPER CASE ASSEMBLY		上ケースAss'y	PSR-S550/PSR-S550B		
		--	UPPER CASE ASSEMBLY		上ケースAss'y	PSR-S550 (WN54980)		
		--	UPPER CASE ASSEMBLY		上ケースAss'y	PSR-S550B (WP47720)		
*	10	WN549900	UPPER CASE		上ケース塗装印刷品	PSR-S550		
*	10	WP477300	UPPER CASE		上ケース塗装印刷品	PSR-S550B		
	20	WH168200	SP GRILLE L ASSEMBLY	LEFT	SPグリルLAss'y	PSR-S550		07
*	20	WP477600	SP GRILLE L ASSEMBLY	LEFT	SPグリルLAss'y	PSR-S550B		
	20a	--	SP GRILLE L	LEFT	SPグリルL塗装品	PSR-S550 (WH04340)		
	20a	--	SP GRILLE L	LEFT	SPグリルL塗装品	PSR-S550B (WP47780)		
	20b	--	SP GRILL CLOTH	324X6X0.35	不織布SP-GRIL	(WH28510)	3	
	20c	--	SP GRILL CLOTH	120X6X0.35	不織布SP-GRIL	(WH28520)	2	
	30	WH168300	SP GRILLE ASSEMBLY	RIGHT	SPグリルRAss'y	PSR-S550		07
*	30	WP477700	SP GRILLE R ASSEMBLY	RIGHT	SPグリルRAss'y	PSR-S550B		
	30a	--	SP GRILLE R	RIGHT	SPグリルR塗装品	PSR-S550 (WH04350)		
	30a	--	SP GRILLE R	RIGHT	SPグリルR塗装品	PSR-S550B (WP47790)		
	30b	--	SP GRILL CLOTH	324X6X0.35	不織布SP-GRIL	(WH28510)	3	
	30c	--	SP GRILL CLOTH	120X6X0.35	不織布SP-GRIL	(WH28520)	2	
	40	X0159A0R	SPEAKER(TWEETER)	3.0cm	スピーカ		2	
*	50	WN686200	PN SWITCH	X6	PNスイッチ	SONG(PRESET,SCORE,USER, LYRICS,USB,REC)		
*	60	WN686300	PN SWITCH	X15	PNスイッチ	VOICE(PIANO,GUITAR&BASS.. ..,SYNTH.&FX,DRUM KIT)		
	70	WH042300	PN SWITCH	X3	PNスイッチ	INTRO(I,II,III), ENDING(I,II,III)	2	02
	80	WH042400	PN SWITCH	X4	PNスイッチ	MAIN BARIATION(A-D),	2	03
*	90	WN686400	PN SWITCH	X12	PNスイッチ	ONE TOUCH SETTING(1-4) REGIST/PART,MEMORY, REGIST BANK(-,+), REGISTRATION MEMORY(1-8)		
	100	WH042600	PN SWITCH	X3	PNスイッチ	SYNC STOP,SYNC START, START/STOP		03
*	110	WN686600	PN SWITCH	X4	PNスイッチ	EXECUTE,MDB, FILE MENU(MENU,FUNCTION)		
*	120	WN686700	PN SWITCH	X6	PNスイッチ	TRANSPOSE(-,+),METRONOME, TAP TEMPO,TEMPO(-,+)		
*	130	WN686800	PN SWITCH	X2	PNスイッチ	CATEGORY(<,>)		
*	140	WN686900	PN SWITCH	X5	PNスイッチ	DEMO,SONG MODE,OTS LINK, AUTO FILL IN,ACMP		
*	150	WN687000	PN SWITCH	X2	PNスイッチ	UPPER OCTAVE(-,+)		
*	160	WN687100	PN SWITCH	X2	PNスイッチ	+/YES,-/NO		
*	170	WN687200	PN SWITCH	X1	PNスイッチ	EXIT		
	180	WH333200	PN SWITCH	X6	PNスイッチ	VOICE CONTROL(LEFT,DUAL, HARMONY,TOUCH,SUSTAIN, DSP)		03
*	190	WN687300	PN SWITCH	X12	PNスイッチ	STYLE(POP&ROCK,BALLAD,... MOVIE&SHOW,USER)		
	200	WH334000	CIRCUIT BOARD	PNL	PNLシート	(X7723D0)		16
	210	WH333900	CIRCUIT BOARD	PNR	PNRシート	(WH50940)(X7978B0)		16
	220	WH333800	CIRCUIT BOARD	PNC	PNCシート	(WH50940)(X7978B0)		16
	230	WH334200	CIRCUIT BOARD	JACK	JACKシート	(WH33410)(X7722C0)		10
	240	WH334600	CIRCUIT BOARD	PSW	PSWシート	(WH33410)(X7722C0)		06
	250	WH334400	CIRCUIT BOARD	MVR	MVRシート	(WH33410)(X7722C0)		06
	260	WH334500	CIRCUIT BOARD	ENC	ENCシート	(WH33410)(X7722C0)		06
*	270	WN309100	CIRCUIT BOARD	DM	DMシート	(X9574B0)		
	280	WH334300	CIRCUIT BOARD	AM	AMシート	(WH33410)(X7722C0)		08
	290	WH334800	CIRCUIT BOARD	TW	TWシート	(WH33410)(X7722C0)	2	06
	300	WN744800	LCD UNIT	CL	液晶ユニット			
	310	VY79310R	WHEEL ASSEMBLY		ホイールAss'y	PITCH BEND		04
	310a	VY75080R	WHEEL		ホイール			03
*	310a	VY750810	WHEEL		WHEEL			
	310b	VT44010R	SPRING		ホイールバネ			03
	320	WH334700	CIRCUIT BOARD	PB	PBシート	(WH33410)(X7722C0)		06
	330	VE968501	GREASE	G-31KA (1KG)	グリス			
*	355	WH353100	DC JACK PLATE		DCジャック金具			
	360	WD697000	DUST PROOF CLOTH	PU FOAM	防塵フォーム			
	370	WD365700	SPONGE	27	スポンジ		2	01
	380	WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	Bタイト+BIND		64	
	385	WE98740R	BIND HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	Bタイト+BIND		2	01
	390	VA126101	FILAMENT TAPE	12X50	粘着テープ		17	01
	420	--	NONWOVEN FABRIC CLOTH		不織布	(WF25440)	2	

* : New Parts (新規部品)

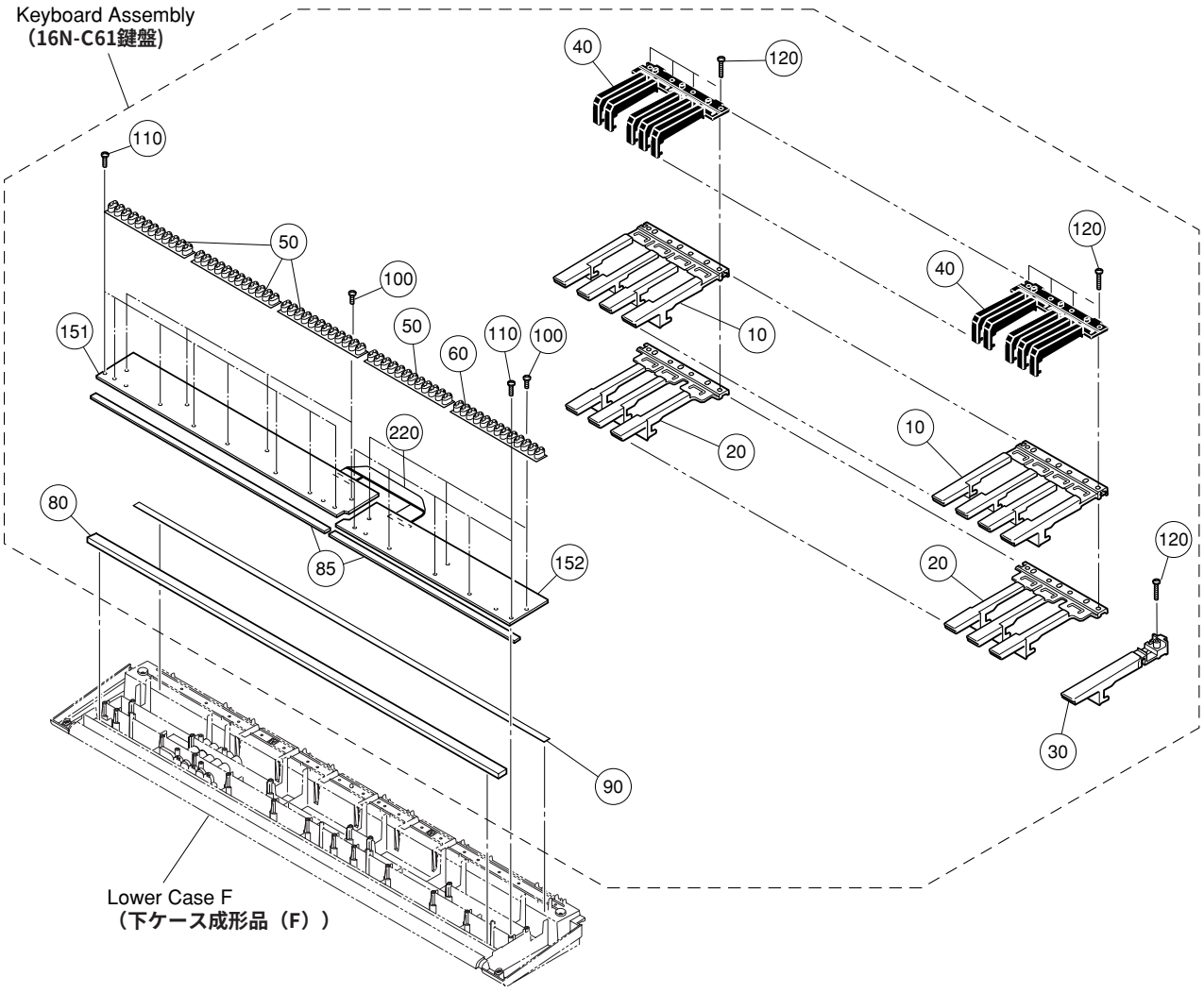
RANK : Japan only

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	430	--	NONWOVEN FABRIC CLOTH		不織布	(WG81830)	5	
	440	**WH412900**	CUSHION	150X5X5	クッション		2	01
	450	**CB06925R**	BINDING TIE	BK-1	インシュロックタイ			01
	500	**WJ465900**	WIRING ASSEMBLY	FFC4	FFC束線4			03
	510	**WJ466000**	WIRING ASSEMBLY	FFC5	FFC束線5			02
*	520	**WQ075900**	WIRING ASSEMBLY	FFC2	FFC束線2			
	520a	--	FERRITE CORE	HF70SH11X0.7X8	フェライトコア	(WP91500)		
	520b	--	SPONGE		防振スポンジ	(WQ07570)	2	
	520c	--	SPONGE		防振スポンジ	(WQ07580)	2	
	530	**WJ465800**	WIRING ASSEMBLY	FFC3	FFC束線3			02
	540	--	WIRING ASSEMBLY	JKAM 10P	JKAM束線Ass'y	(WJ46010)		
	540a	--	FERRITE CORE	K1FF26.0X9.0X5.0X1	フェライトコア	(WJ39420)		
	540b	--	SPONGE9		防振スポンジ9	(WJ46020)	2	
	550	**WJ465600**	WIRING ASSEMBLY	FFC1	FFC束線1			
	560	**WH336400**	WIRING ASSEMBLY	LCD 2P	LCD束線			
	570	**WH219700**	SPONGE		防振スポンジ			
	580	--	NONWOVEN FABRIC CLOTH	50X4X0.35	不織布	(WJ30440)	4	
	590	--	FILAMENT TAPE	FILAMENT 12mmX50mm	フィラメントテープ	(WG47940)		

* : New Parts (新規部品)

RANK : Japan only

■ KEYBOARD ASSEMBLY （16N-C61 鍵盤 Ass'y ）

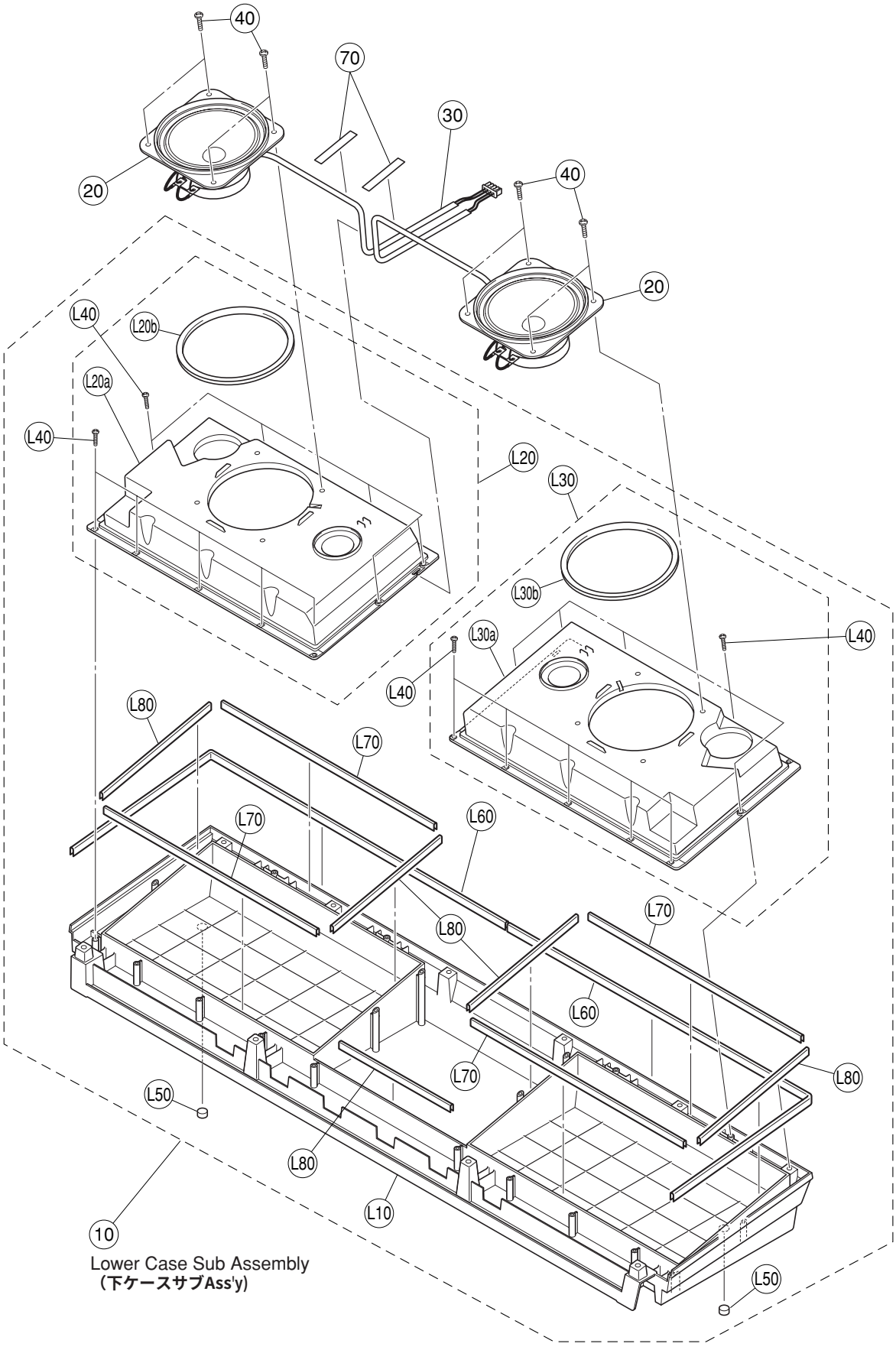


REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
		KEYBOARD ASSEMBLY		１６Ｎ－Ｃ６１鍵盤	PSR-S550/PSR-S550B		
	WE126700	KEYBOARD ASSEMBLY	16N C61-2M	１６Ｎ－Ｃ６１－２Ｍ			
10	**V3412600**	WHITE KEYS	16N C,E,G,B	白鍵ＣＥＧＢ		5	
10	**WB12520R**	KEY CEGB	16N C,E,G,B	白鍵ＣＥＧＢ		5	
20	**V3412700**	WHITE KEYS	16L D,F,A	白鍵ＤＦＡ		5	
20	**WB12530R**	KEY DFA	16L D,F,A	白鍵ＤＦＡ		5	
30	**V476030R**	WHITE KEY 16N C'	16N C'	白鍵Ｃ’	C6		02
40	**VZ27170R**	BLACK KEYS	16N	黒鍵		5	
50	**V3413601**	RUBBER CONTACT	16N-2M OCT 2M	接点ゴム１６Ｎ２Ｍ	C1-B1,C2-B2,C3-B3,C4-B4	4	
60	**V747740R**	RUBBER CONTACT	16N2M	接点ゴム１６Ｎ２Ｍ	C5-C6		
80	**VZ303000**	FELT L	3.5x11x827 WHITE	フェルトＬ			
85	**VZ302900**	FELT U	3.0x5.0x836 WHITE	フェルトＵ			02
90	**WA525100**	CUSHION SHEET		クッションシート			01
100	**WE774301**	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	Ｂタイト＋ＢＩＮＤ		7	
110	**WH899400**	BIND HEAD TAPPING SCREW-P	3.0X12 MFZN2W3 SP	Ｐタイト＋ＢＩＮＤ		13	01
120	**WF49200R**	BIND HEAD TAPPING SCREW-P	3.0X20 MFZN2W3	Ｐタイト＋ＢＩＮＤ		21	01
151	**V869530R**	CIRCUIT BOARD		シート６１Ｌ	(V869520)(X2336B0)		
152	**V869550R**	CIRCUIT BOARD	61H 16N2M C61 P2	シート６１Ｈ	(V869540)(X2335C0)		06
220	**V869620R**	WIRING ASSEMBLY	16N-2M-C61 L=21	中継束線			01

＊: New Parts （新規部品）

RANK : Japan only

■ LOWER CASE ASSEMBLY （下ケース Ass'y）



Lower Case Sub Assembly
（下ケースサブAss'y）

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
			LOWER CASE ASSEMBLY		下ケースAss'y	PSR-S550/PSR-S550B		
		--	LOWER CASE ASSEMBLY		下ケースAss'y	(WP02260)		
*	10	**WP023100**	LOWER CASE SUB ASSEMBLY		下ケースサブAss'y			
*	20	**YA372A00**	SPEAKER(WOOFER)	12.0cm 8 ohm 10W	スピーカ		2	
	30	--	WIRING ASSEMBLY	SP	SP束線Ass'y	(WH33630)		
	40	**WE98120R**	BIND HEAD TAPPING SCREW-B	4.0X12 MFZN2W3	Bタイト+BIND		8	01
	70	**VA126101**	FILAMENT TAPE	12X50	粘着テープ		2	01
*		**WP023100**	LOWER CASE SUB ASSEMBLY		下ケースサブAss'y			
	L10	--	LOWER CASE R		下ケース成形品R	(WP02320)		
	L20	--	SPEAKER BOX ASSEMBLY	LEFT	スピーカボックス L	(WH40670)		
	L20a	--	SPEAKER BOX	LEFT	SP-BOX L	(WH03900)		
	L20b	--	SEALING TAPE SP	395X8X1	シールテープSP	(WG31740)		
	L30	--	SPEAKER BOX ASSEMBLY	RIGHT	スピーカボックス R	(WH40680)		
	L30a	--	SPEAKER BOX	RIGHT	SP-BOX R	(WH03920)		
	L30b	--	SEALING TAPE SP	395X8X1	シールテープSP	(WG31740)		
	L40	**WE98740R**	BIND HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	Bタイト+BIND		20	01
	L50	**CB043752**	RUBBER INSULATOR	MP-1 T1.6	ゴム脚		2	
	L60	--	CUSHION (PE)	685X15X1	クッション(PE)	(WJ97470)	2	
	L70	--	CUSHION(PE)	332X8X1	クッション(PE)	(WH26500)	4	
	L80	--	CUSHION(PE)	176X8X1	クッション(PE)	(WH26510)	5	

* : New Parts (新規部品)

RANK : Japan only

■ ELECTRICAL PARTS（電気部品）

AM,ENC,JACK,MVR,PB,PSW,TW

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
		ELECTRICAL PARTS		電気部品	PSR-S550/PSR-S550B		
	WH334300	CIRCUIT BOARD	AM	AMシート	(WH33410)(X7722C0)		08
	WH334500	CIRCUIT BOARD	ENC	ENCシート	(WH33410)(X7722C0)		06
	WH334200	CIRCUIT BOARD	JACK	JACKシート	(WH33410)(X7722C0)		10
	WH334400	CIRCUIT BOARD	MVR	MVRシート	(WH33410)(X7722C0)		06
	WH334700	CIRCUIT BOARD	PB	PBシート	(WH33410)(X7722C0)		06
	WH334600	CIRCUIT BOARD	PSW	PSWシート	(WH33410)(X7722C0)		06
	WH334800	CIRCUIT BOARD	TW	TWシート	(WH33410)(X7722C0)		06
*	**WN309100**	CIRCUIT BOARD	DM	DMシート	(X9574B0)		
	WH334000	CIRCUIT BOARD	PNL	PNLシート	(X7723D0)		16
	WH333800	CIRCUIT BOARD	PNC	PNCシート	(WH50940)(X7978B0)		16
	WH333900	CIRCUIT BOARD	PNR	PNRシート	(WH50940)(X7978B0)		16
	V869530R	CIRCUIT BOARD	61L 16N2M C61 P2	シート61L	(V869520)(X2336B0)		
	V869550R	CIRCUIT BOARD	61H 16N2M C61 P2	シート61H	(V869540)(X2335C0)		06
	WH334300	CIRCUIT BOARD	AM	AMシート	(WH33410)(X7722C0)		08
	WH334500	CIRCUIT BOARD	ENC	ENCシート	(WH33410)(X7722C0)		06
	WH334200	CIRCUIT BOARD	JACK	JACKシート	(WH33410)(X7722C0)		10
	WH334400	CIRCUIT BOARD	MVR	MVRシート	(WH33410)(X7722C0)		06
	WH334700	CIRCUIT BOARD	PB	PBシート	(WH33410)(X7722C0)		06
	WH334600	CIRCUIT BOARD	PSW	PSWシート	(WH33410)(X7722C0)		06
	WH334800	CIRCUIT BOARD	TW	TWシート	(WH33410)(X7722C0)		06
	--	JUMPER CABLE	0.55 TIN	ジャンパー線	(VA07890)	22	
10	**WE98740R**	BIND HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	Bタイト＋BIND		2	01
20	**--**	SILICON GREASE	G-746	シリコングリス	(0412125)		
20	**--**	SILICON GREASE	X-113A G746	シリコングリス	(VA79810)		
C103	**V3773100**	ELECTROLYTIC CAPACITOR	4700.0 25.0V FORM.	ケミコン			
C103	**VK373000**	ELECTROLYTIC CAPACITOR	4700 25.0V	ケミコン			03
C104	**V3324600**	ELECTROLYTIC CAPACITOR	220.00 25.0V RX TP	ケミコン			
C105	**UR867100**	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケミコン			
C105	**V3512300**	ELECTROLYTIC CAPACITOR	10.00 50.0V TP	ケミコン			
C106	**VC69480R**	CEAMIC CAPACITOR	0.1000 25V Z T	半導体セラコン			01
C106	**VM902400**	SEMICONDUCTIVE CERA. CAP.	0.1000 25V Z FORM.	半導体セラコン 天津			01
-109	**VC69480R**	CEAMIC CAPACITOR	0.1000 25V Z T	半導体セラコン			01
-109	**VM902400**	SEMICONDUCTIVE CERA. CAP.	0.1000 25V Z FORM.	半導体セラコン 天津			01
C110	**V3324600**	ELECTROLYTIC CAPACITOR	220.00 25.0V RX TP	ケミコン			
C111	**V3324600**	ELECTROLYTIC CAPACITOR	220.00 25.0V RX TP	ケミコン			
C201	**UA35310R**	POLYESTER FILM CAPACITOR	1000P 50V J RX TP	マイラーコン			01
C202	**UA35310R**	POLYESTER FILM CAPACITOR	1000P 50V J RX TP	マイラーコン			01
C201	**UA653100**	POLYESTER FILM CAPACITOR	1000P 50V J RX TP	マイラーコン			
C202	**UA653100**	POLYESTER FILM CAPACITOR	1000P 50V J RX TP	マイラーコン			
C203	**UA355150**	POLYESTER FILM CAPACITOR	0.1500 50V J RX TP	マイラーコン			
C204	**UA355150**	POLYESTER FILM CAPACITOR	0.1500 50V J RX TP	マイラーコン			
C203	**V551560R**	MYLAR CAPACITOR	0.1500 50V J	マイラーコン			
C204	**V551560R**	MYLAR CAPACITOR	0.1500 50V J	マイラーコン			
C203	**VR168500**	POLYESTER MULTLAY CAP.	ECQ-V1H154JL3	積層マイラーコン			
C204	**VR168500**	POLYESTER MULTLAY CAP.	ECQ-V1H154JL3	積層マイラーコン			
C205	**UA352470**	POLYESTER FILM CAPACITOR	470P 50V J RX TP	マイラーコン			01
C206	**UA352470**	POLYESTER FILM CAPACITOR	470P 50V J RX TP	マイラーコン			01
C205	**UA652470**	POLYESTER FILM CAPACITOR	470P 50V J RX TP	マイラーコン			
C206	**UA652470**	POLYESTER FILM CAPACITOR	470P 50V J RX TP	マイラーコン			
C207	**UR838100**	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケミコン			
C208	**UR838100**	ELECTROLYTIC CAPACITOR	100.00 16.0V RX TP	ケミコン			
C207	**V350850R**	ELECTROLYTIC CAPACITOR	100.00 16.0V TP	ケミコン			
C208	**V350850R**	ELECTROLYTIC CAPACITOR	100.00 16.0V TP	ケミコン			
C209	**UR867100**	ELECTROLYTIC CAPACITOR	10.00 50.0V RX TP	ケミコン			
C209	**V3512300**	ELECTROLYTIC CAPACITOR	10.00 50.0V TP	ケミコン			
C210	**VC69480R**	CEAMIC CAPACITOR	0.1000 25V Z T	半導体セラコン			01
C210	**VM902400**	SEMICONDUCTIVE CERA. CAP.	0.1000 25V Z FORM.	半導体セラコン 天津			01
C211	**UR848470**	ELECTROLYTIC CAPACITOR	470.00 25.0V RX TP	ケミコン			
C211	**V351000R**	ELECTROLYTIC CAPACITOR	470.00 25.0V TP	ケミコン			
C212	**UA355100**	POLYESTER FILM CAPACITOR	0.1000 50V J RX TP	マイラーコン			
C212	**V5515400**	MYLAR CAPACITOR	0.1000 50V J	マイラーコン			
C212	**VR168300**	POLYESTER MULTLAY CAP.	ECQ-V1H104JL3	積層マイラーコン			
-215	**UA355100**	POLYESTER FILM CAPACITOR	0.1000 50V J RX TP	マイラーコン			
-215	**V5515400**	MYLAR CAPACITOR	0.1000 50V J	マイラーコン			
-215	**VR168300**	POLYESTER MULTLAY CAP.	ECQ-V1H104JL3	積層マイラーコン			
C216	**VC69480R**	CEAMIC CAPACITOR	0.1000 25V Z T	半導体セラコン			01
C216	**VM902400**	SEMICONDUCTIVE CERA. CAP.	0.1000 25V Z FORM.	半導体セラコン 天津			01
C217	**UA352470**	POLYESTER FILM CAPACITOR	470P 50V J RX TP	マイラーコン			01

* : New Parts **(新規部品)**

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AM,ENC,JACK,MVR,PB,PSW,TW

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	C217	**UA652470**	POLYESTER FILM CAPACITOR	470P 50V J RX TP	マイラーコン			
	C401	**VC69480R**	CEAMIC CAPACITOR	0.1000 25V Z T	半導体セラコン			01
	C401	**VM902400**	SEMICONDUCTIVE CERA. CAP.	0.1000 25V Z FORM.	半導体セラコン 天津			01
	C451	**UA354470**	POLYESTER FILM CAPACITOR	0.0470 50V J RX TP	マイラーコン			
	C452	**UA354470**	POLYESTER FILM CAPACITOR	0.0470 50V J RX TP	マイラーコン			
	C451	**UA654470**	POLYESTER FILM CAPACITOR	0.0470 50V J RX TP	マイラーコン			
	C452	**UA654470**	POLYESTER FILM CAPACITOR	0.0470 50V J RX TP	マイラーコン			
	C451	**VS884200**	MYLAR CAPACITOR	0.0470 100V K TE	マイラーコン			
	C452	**VS884200**	MYLAR CAPACITOR	0.0470 100V K TE	マイラーコン			
	C453	**UR837330**	ELECTROLYTIC CAPACITOR	33.00 16.0V RX TP	ケミコン			
	C454	**UR837330**	ELECTROLYTIC CAPACITOR	33.00 16.0V RX TP	ケミコン			
	C453	**V3508300**	ELECTROLYTIC CAPACITOR	33.00 16.0V TP	ケミコン			
	C454	**V3508300**	ELECTROLYTIC CAPACITOR	33.00 16.0V TP	ケミコン			
	C455	**VR025400**	CERAMIC CAPACITOR-2B	220P 63V K FORMING	セラコン2B 天津製			
	C456	**VR025400**	CERAMIC CAPACITOR-2B	220P 63V K FORMING	セラコン2B 天津製			
	CN101	**VF728200**	CONNECTOR BASE PIN	52147 10P TE	ワイヤートラップ			
	CN102	**VK024600**	CONNECTOR BASE PIN	52147 2P TE	ワイヤートラップ			
	CN103	**VK024700**	CONNECTOR BASE PIN	52147 3P TE	ワイヤートラップ			
	CN104	**WC33890R**	FFC CONNECTOR	52806 27P TE	FFCコネクタ			
	CN204	**VK024900**	CONNECTOR BASE PIN	52147 5P TE	ワイヤートラップ			
	CN301	**VI878100**	BASE PIN	51048 3P TE	ケーブルホルダー			
	CN301	**VZ34160R**	CABLE HOLDER	51048 3P TE	ケーブルホルダー天津			
	CN310	**VI878300**	BASE PIN	51048 5P TE	ケーブルホルダー			
	CN310	**VZ34170R**	CABLE HOLDER	51048 5P TE	ケーブルホルダー天津			
	CN320	**VI878100**	BASE PIN	51048 3P TE	ケーブルホルダー			
	CN320	**VZ34160R**	CABLE HOLDER	51048 3P TE	ケーブルホルダー天津			
	CN330	**VI878200**	BASE PIN	51048 4P TE	ケーブルホルダー			
	CN330	**VY668400**	CABLE HOLDER	51048 4P TE	ケーブルホルダー天津			
	CN401	**WA245700**	USB CONNECTOR	YKF45 4P SE	USBコネクタ			02
	CN401	**WH382500**	USB CONNECTOR	UAR27 4P SE	USBコネクタ	USB TO DEVICE		
*	CN401	**WQ353300**	USB CONNECTOR	4P SE	USBコネクタ			
	CN402	**V6802600**	USB JACK	USB 4P SE	USBジャック	USB TO HOST		02
	CN402	**V901600R**	USB CONNECTOR	YKF45-0021N 4P SE	USBコネクタ B			
	CN403	**VV678400**	FFC CONNECTOR	52806 14P TE	FFCコネクター			01
	CN451	**VF728200**	CONNECTOR BASE PIN	52147 10P TE	ワイヤートラップ			
	CN452	**VK024800**	CONNECTOR BASE PIN	52147 4P TE	ワイヤートラップ			
	CN453	**LB918040**	BASE PIN I-TYPE	XH 4P TE	ベーススツキポスト			
	CN454	**VI878000**	BASE PIN	51048 2P TE	ケーブルホルダー			
	CN455	**VI878000**	BASE PIN	51048 2P TE	ケーブルホルダー			
	CN454	**VY66830R**	CABLE HOLDER	51048 2P TE	ケーブルホルダー天津			
	CN455	**VY66830R**	CABLE HOLDER	51048 2P TE	ケーブルホルダー天津			
	D102	**WG084500**	DIODE	RJ43 FORMING	ショットキーダイオード			01
⚠	D451	**V860310R**	DIODE	2A02G-01 X0 JI	ダイオード			
⚠	D451	**VV73140R**	DIODE	2A02-05 X0	ダイオード			01
	EC301	**VU48130R**	ENCODER	REB161(9X5)PVB15FH	16形エンコーダ	DATA Dial		03
	IC101	**X0548A00**	IC	SI-8050S	IC	DC-DC CONVERTER		
	IC102	**X5887A0R**	IC	BA50BC0T +5V 1.0A	IC	REGULATOR +5V 1.0A		03
	IC201	**XY209A0R**	IC	LA4625-E 13.5W	IC	POWER AMP 13.5W		05
	JK401	**VC68750R**	PHONE JACK, BL	JACK YKB21-5014	ホーンコネクタ（黒）	SUSTAIN		01
	JK401	**WE24520R**	PHONE JACK	JY-6314-01-020	ホーンコネクタ（黒）			
	JK451	**LB101870**	HEADPHONE JACK	JACK YKB21-5006	ホーンコネクタ	PHONES/OUTPUT		03
	JK451	**VV943300**	PHONE JACK	HTJ064-04A	ホーンコネクタ			02
⚠	JK452	**V9613600**	CONNECTOR	HEC0740-010618	電源コネクタ	DC IN 16V		02
	K101	**--**	HEAT SINK		放熱板	(WH74610)		
	L101	**VZ01790R**	COIL	HP-022J 180U	コイル			05
	L101	**WF687800**	COIL	ER-045005B	コイル			04
	L101	**WF688300**	COIL	TBC-181M-3A-8026B	コイル			
	L102	**VB835000**	COIL	20uH FL05RD200AT	コイル 20U			01
	L102	**VT27920R**	COIL	DX001-20UH	コイル 20U 天津			
	L203	**GE300670**	FERRIT BEAD	BL02RN2R1P1A T	フェライトビーズ			02
	-206	**GE300670**	FERRIT BEAD	BL02RN2R1P1A T	フェライトビーズ			02
	L402	**GE300670**	FERRIT BEAD	BL02RN2R1P1A T	フェライトビーズ			02
	L403	**VB835000**	COIL	20uH FL05RD200AT	コイル 20U			01
	L403	**VT27920R**	COIL	DX001-20UH	コイル 20U 天津			
	L405	**VB835000**	COIL	20uH FL05RD200AT	コイル 20U			01
	L406	**VB835000**	COIL	20uH FL05RD200AT	コイル 20U			01
	L405	**VT27920R**	COIL	DX001-20UH	コイル 20U 天津			
	L406	**VT27920R**	COIL	DX001-20UH	コイル 20U 天津			
⚠	L451	**V679560R**	LINE FILTER	BDL40-01	ラインフィルター			
⚠	L451	**VQ88400R**	COIL	CM08RB01 RX	ラインフィルター			03

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RANK : Japan only

AM,ENC,JACK,MVR,PB,PSW,TW,DM

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
L452	**VB835000**	COIL	20uH FL05RD200AT	コイル 20U			01
L453	**VB835000**	COIL	20uH FL05RD200AT	コイル 20U			01
L452	**VT27920R**	COIL	DX001-20UH	コイル 20U 天津			
L453	**VT27920R**	COIL	DX001-20UH	コイル 20U 天津			
R101	**HF45510R**	CARBON RESISTOR 1/4	100.0 1/4 J AX TP	カーボン抵抗			01
R101	**V254800R**	CARBON RESISTOR 1/6	100.0 1/6J 26TP	カーボン抵抗			
-104	**HF45510R**	CARBON RESISTOR 1/4	100.0 1/4 J AX TP	カーボン抵抗			01
-104	**V254800R**	CARBON RESISTOR 1/6	100.0 1/6J 26TP	カーボン抵抗			
R201	**HF456390**	CARBON RESISTOR 1/4	3.9K 1/4 J AX TP	カーボン抵抗			
R202	**HF456390**	CARBON RESISTOR 1/4	3.9K 1/4 J AX TP	カーボン抵抗			
R201	**V2549900**	CARBON RESISTOR 1/6	3.9K 1/6 J 26TP	カーボン抵抗			
R202	**V2549900**	CARBON RESISTOR 1/6	3.9K 1/6 J 26TP	カーボン抵抗			
R203	**HF457150**	CARBON RESISTOR 1/4	15.0K 1/4 J AX TP	カーボン抵抗			01
R204	**HF457150**	CARBON RESISTOR 1/4	15.0K 1/4 J AX TP	カーボン抵抗			01
R203	**V255060R**	CARBON RESISTOR 1/6	15.0K 1/6J 26TP	カーボン抵抗			
R204	**V255060R**	CARBON RESISTOR 1/6	15.0K 1/6J 26TP	カーボン抵抗			
R205	**HF45727R**	CARBON RESISTOR 1/4	27.0K 1/4 J AX TP	カーボン抵抗			01
R205	**V2550900**	CARBON RESISTOR 1/6	27.0K 1/6J 26TP	カーボン抵抗			
R206	**WD55670R**	FLAME PROOF CARBON RES.	2.2 1/4 J TE-26	不燃化カーボン抵抗			01
-209	**WD55670R**	FLAME PROOF CARBON RES.	2.2 1/4 J TE-26	不燃化カーボン抵抗			01
R210	**HF456470**	CARBON RESISTOR 1/4	4.7K 1/4 J AX TP	カーボン抵抗			01
R211	**HF456470**	CARBON RESISTOR 1/4	4.7K 1/4 J AX TP	カーボン抵抗			01
R210	**V255000R**	CARBON RESISTOR 1/6	4.7K 1/6 J 26TP	カーボン抵抗			
R211	**V255000R**	CARBON RESISTOR 1/6	4.7K 1/6 J 26TP	カーボン抵抗			
R401	**HF456180**	CARBON RESISTOR 1/4	1.8K 1/4 J AX TP	カーボン抵抗			
R401	**V2549500**	CARBON RESISTOR 1/6	1.8K 1/6 J 26TP	カーボン抵抗			
R402	**HF457330**	CARBON RESISTOR 1/4	33.0K 1/4 J AX TP	カーボン抵抗			
R402	**V2551000**	CARBON RESISTOR 1/6	33.0K 1/6J 26TP	カーボン抵抗			
R403	**HF456470**	CARBON RESISTOR 1/4	4.7K 1/4 J AX TP	カーボン抵抗			01
R403	**V255000R**	CARBON RESISTOR 1/6	4.7K 1/6 J 26TP	カーボン抵抗			
R451	**HF45510R**	CARBON RESISTOR 1/4	100.0 1/4 J AX TP	カーボン抵抗			01
R452	**HF45510R**	CARBON RESISTOR 1/4	100.0 1/4 J AX TP	カーボン抵抗			01
R451	**V254800R**	CARBON RESISTOR 1/6	100.0 1/6J 26TP	カーボン抵抗			
R452	**V254800R**	CARBON RESISTOR 1/6	100.0 1/6J 26TP	カーボン抵抗			
R453	**HF45433R**	CARBON RESISTOR 1/4	33.0 1/4 J AX TP	カーボン抵抗			01
R454	**HF45433R**	CARBON RESISTOR 1/4	33.0 1/4 J AX TP	カーボン抵抗			01
R453	**V2547400**	CARBON RESISTOR 1/6	33.0 1/6J 26TP	カーボン抵抗			
R454	**V2547400**	CARBON RESISTOR 1/6	33.0 1/6J 26TP	カーボン抵抗			
SW330	**V966170R**	PUSH SWITCH	SY16-32-4(U99S2)/T	プッシュSW	STANDBY/ON		03
SW330	**VY98040R**	PUSH SWITCH	SDDLB15700 J,UC,CE	プッシュSW			03
⚠ TH451	**V8132800**	MULTI FUSE MF-R185-2 1.85A	MF-R185-AP	マルチヒューズ			02
⚠ TH451	**VU847300**	PROTECTOR SWITCH	RUEF185 1.85A 30V	ポリスイッチ			
TR401	**WH336700**	TRANSISTOR	2SC2062STP 10000 T	トランジスタ 2SC			
VR310	**WC70980R**	ROTARY VARIABLE RESISTOR	A 5.0K XV014111YGP	二連ロータリーVR	MASTER VOLUME		
VR320	**VZ48630R**	ROTARY VARIABLE RESISTOR	B10K EVJ05DF20B14	ロータリーVR	PITCH BEND		
VR401	**VV04910R**	ROTARY VARIABLE RESISTOR	B 10K RK09K1110	ロータリーVR	CONTRAST		01
W401	**--**	WIRING ASSEMBLY	GND	GND束線	(WJ45910)		
WH301	**--**	WIRING ASSEMBLY	ENC 3P	ENC束線	(WH33510)		
WH310	**--**	WIRING ASSEMBLY	MVR 5P	MVR束線	(WH33500)		
WH320	**--**	WIRING ASSEMBLY	PB 3P	PB束線	(WH33530)		
WH330	**--**	WIRING ASSEMBLY	PSW 4P	PSW束線	(WH33520)		
WH454	**--**	WIRING ASSEMBLY	TWL 2P	TWL束線	(WH33620)		
WH455	**--**	WIRING ASSEMBLY	TWL 2P	TWL束線	(WH33620)		
*	**WN309100**	CIRCUIT BOARD	DM	DMシート	(X9574B0)		
C1	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ(F)			01
C2	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ(F)			01
C3	**UF03747R**	ELECTROLYTIC CAPACITOR	47 16V	チップケミコン			
C22	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ(F)			01
-29	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ(F)			01
C30	**WG888300**	MULTILAYER CERAMIC CAP.	10.0 6.3V K TP	チップ積層セラコン			
C31	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ(F)			01
C32	**US062220**	CERAMIC CAPACITOR-SL CHIP	220P 50V J RECT.	チップセラ(SL)			
-35	**US062220**	CERAMIC CAPACITOR-SL CHIP	220P 50V J RECT.	チップセラ(SL)			
C36	**US063100**	CERAMIC CAPACITOR-B (CHIP)	1000P 50V K RECT.	チップセラ(B)			
C37	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ(SL)			
-40	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ(SL)			
C41	**US063100**	CERAMIC CAPACITOR-B (CHIP)	1000P 50V K RECT.	チップセラ(B)			
C43	**WG251600**	CHIP CERAMIC CAPACITOR	4.7 6.3V K RECT.	チップセラ			01
C44	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ(F)			01

* : New Parts (新規部品)

RANK : Japan only

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
C45	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
C46	**WG251600**	CHIP CERAMIC CAPACITOR	4.7 6.3V K RECT.	チップセラ			01
C47	**US061220**	CERAMIC CAPACITOR-CH CHIP	22P 50V J RECT.	チップセラ（CH）			
C48	**US061220**	CERAMIC CAPACITOR-CH CHIP	22P 50V J RECT.	チップセラ（CH）			
C49	**WG251600**	CHIP CERAMIC CAPACITOR	4.7 6.3V K RECT.	チップセラ			01
C51	**US063100**	CERAMIC CAPACITOR-B (CHIP)	1000P 50V K RECT.	チップセラ（B）			
C52	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
-57	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C58	**WG888300**	MULTILAYER CERAMIC CAP.	10.0 6.3V K TP	チップ積層セラコン			
C59	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
-95	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C96	**WG888300**	MULTILAYER CERAMIC CAP.	10.0 6.3V K TP	チップ積層セラコン			
C97	**WG888300**	MULTILAYER CERAMIC CAP.	10.0 6.3V K TP	チップ積層セラコン			
C98	**WG251600**	CERAMIC CAPACITOR	4.7 6.3V K RECT.	チップセラ チップセラ			01
C99	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	（B）			
C100	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C101	**US062470**	CERAMIC CAPACITOR-SL CHIP	470P 50V J RECT.	チップセラ（SL）			
C102	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C103	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C105	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C107	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C108	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C109	**WG888300**	MULTILAYER CERAMIC CAP.	10.0 6.3V K TP	チップ積層セラコン			
C110	**WG888300**	MULTILAYER CERAMIC CAP.	10.0 6.3V K TP	チップ積層セラコン			
C111	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
-113	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C114	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C115	**UF03747R**	ELECTROLYTIC CAPACITOR	47 16V	チップケミコン			
C116	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
-119	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C120	**US063270**	CERAMIC CAPACITOR-B (CHIP)	2700P 50V K RECT.	チップセラ（B）			
C121	**US063270**	CERAMIC CAPACITOR-B (CHIP)	2700P 50V K RECT.	チップセラ（B）			
C122	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C123	**US063270**	CERAMIC CAPACITOR-B (CHIP)	2700P 50V K RECT.	チップセラ（B）			
C124	**US063270**	CERAMIC CAPACITOR-B (CHIP)	2700P 50V K RECT.	チップセラ（B）			
C125	**UF06610R**	ELECTROLYTIC CAPACITOR	1 50V	チップケミコン			
C126	**UF06610R**	ELECTROLYTIC CAPACITOR	1 50V	チップケミコン			
C127	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
-141	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
C142	**WG251600**	CHIP CERAMIC CAPACITOR	4.7 6.3V K RECT.	チップセラ			01
C143	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
-146	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
C147	**US063100**	CERAMIC CAPACITOR-B (CHIP)	1000P 50V K RECT.	チップセラ（B）			
C148	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
-151	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
C154	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
C156	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
C158	**UF03810R**	ELECTROLYTIC CAPACITOR	100 16V	チップケミコン			01
C160	**WG888300**	MULTILAYER CERAMIC CAP.	10.0 6.3V K TP	チップ積層セラコン			
C161	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C163	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
C164	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C165	**US063100**	CERAMIC CAPACITOR-B (CHIP)	1000P 50V K RECT.	チップセラ（B）			
C166	**US063100**	CERAMIC CAPACITOR-B (CHIP)	1000P 50V K RECT.	チップセラ（B）			
C167	**US06127R**	CERAMIC CAPACITOR-CH CHIP	27P 50V J RECT.	チップセラ（CH）			01
C169	**UF03810R**	ELECTROLYTIC CAPACITOR	100 16V	チップケミコン			01
C170	**US06127R**	CERAMIC CAPACITOR-CH CHIP	27P 50V J RECT.	チップセラ（CH）			01
C171	**UF157470**	ELECTROLYTIC CAPACITOR	47 35V	チップケミコン			01
C173	**US06127R**	CERAMIC CAPACITOR-CH CHIP	27P 50V J RECT.	チップセラ（CH）			01
C174	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C175	**US06127R**	CERAMIC CAPACITOR-CH CHIP	27P 50V J RECT.	チップセラ（CH）			01
C176	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C177	**US06127R**	CERAMIC CAPACITOR-CH CHIP	27P 50V J RECT.	チップセラ（CH）			01
C178	**US062390**	CERAMIC CAPACITOR-SL CHIP	390P 50V J RECT.	チップセラ（SL）			
C179	**US06127R**	CERAMIC CAPACITOR-CH CHIP	27P 50V J RECT.	チップセラ（CH）			01
C194	**UF03810R**	ELECTROLYTIC CAPACITOR	100 16V	チップケミコン			01
C197	**US063100**	CERAMIC CAPACITOR-B (CHIP)	1000P 50V K RECT.	チップセラ（B）			
C202	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
C203	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C210	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			

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-223	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C225	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C230	**US062470**	CERAMIC CAPACITOR-SL CHIP	470P 50V J RECT.	チップセラ（SL）			
C231	**US062470**	CERAMIC CAPACITOR-SL CHIP	470P 50V J RECT.	チップセラ（SL）			
C234	**WG888300**	MULTILAYER CERAMIC CAP.	10.0 6.3V K TP	チップ積層セラコン			
C236	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
C237	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ（SL）			
C238	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
-240	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C243	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
-246	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C247	**US063100**	CERAMIC CAPACITOR-B (CHIP)	1000P 50V K RECT.	チップセラ（B）			
C248	**US063100**	CERAMIC CAPACITOR-B (CHIP)	1000P 50V K RECT.	チップセラ（B）			
C249	**US062470**	CERAMIC CAPACITOR-SL CHIP	470P 50V J RECT.	チップセラ（SL）			
C250	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
-280	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C283	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
-291	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ（F）			01
C292	**WD176500**	CHIP CERAMIC CAPACITOR	1.0000 6.3V K RECT	チップセラ			01
C293	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
C294	**US064100**	CERAMIC CAPACITOR-B (CHIP)	0.0100 50V K RECT.	チップセラ（B）			
CN501	**WC195200**	CONNECTOR, FFC/FPC	52808 14P TE	FFC／FPCコネクタ			01
CN601	**WA62570R**	FFC CONNECTOR	52793 14P SE	FFCコネクター			
CN601	**WF377500**	FPC CONNECTOR	YSF5 14P SE	FPCコネクター			
CN701	**WA745600**	FFC CONNECTOR	52793 7P SE	FFCコネクター			
CN701	**WG950800**	FPC CONNECTOR	YSF5 7P SE	FPCコネクター			
CN702	**VK024700**	CONNECTOR BASE PIN	52147 3P TE	ワイヤートラップ			
CN801	**VK02560R**	CONNECTOR BASE PIN	52147 12P TE	ワイヤートラップ			01
CN802	**VK025100**	CONNECTOR BASE PIN	52147 7P TE	ワイヤートラップ			
CN803	**VK024900**	CONNECTOR BASE PIN	52147 5P TE	ワイヤートラップ			
CN901	**WC336500**	FFC CONNECTOR	52793 27P SE	FFCコネクター			
CN901	**WF377900**	FPC CONNECTOR	YSF5 27P SE	FPCコネクター			
D11	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			
D11	**WG139300**	DIODE	KDS4148U-RTK/P TE-	ダイオード			
-18	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			
-18	**WG139300**	DIODE	KDS4148U-RTK/P TE-	ダイオード			
D27	**V2376600**	DIODE	RB500V-40 TAPING	ショットキダイオード			
DA1	**V9424900**	DIODE ARRAY	1SS372 TE85L	ダイオードアレイ			01
DA1	**WH107100**	DIODE ARRAY	MA3Z79300L 0.10 X2	ダイオードアレイ			
-4	**V9424900**	DIODE ARRAY	1SS372 TE85L	ダイオードアレイ			01
-4	**WH107100**	DIODE ARRAY	MA3Z79300L 0.10 X2	ダイオードアレイ			
IC1	**X5889A0R**	IC	BA33BC0FP 3.3V	IC	REGULATOR +3.3V		03
IC4	**X5422A00**	IC	S1D13700F01A100 LC	IC	LCD CONTROLLER		
IC5	**X4374A0R**	IC	S-80136ANMC-JCVT2G	IC	RESET		01
IC5	**X5888A0R**	IC	BD45365G	IC			01
IC6	**X9292A00**	IC	R1172H121D-T1-F	IC	REGULATOR +1.2V		
IC7	**X8810A00**	IC	R8A02032BG	IC	SWX02		
IC8	**X3584C00**	IC	W9812G6GH-6	IC			
IC8	**X3585E00**	IC	K4S281632K-UC75000	IC	SDRAM 128M		
IC8	**X6970B00**	IC	M12L128168A-7TG	IC			
* IC9	**X9859100**	IC	MR27V12852L-10MTA0	IC	P2ROM 128M(PROGRAM)		
IC10	**X3042D00**	IC	MX29LV160CBTC-70G	IC	FLASH ROM 16M		
IC10	**X8950A00**	IC	EN29LV160AB-70TCP	IC			
* IC11	**X9860100**	IC	MR26V25602L-108TA0	IC	P2ROM 256M(WAVE)		
IC13	**X4463A00**	IC	SN74LV08APWR	IC	AND		
IC14	**X6040A01**	IC	AK4385ET	IC	D/A CONVERTER		03
IC16	**X2331A0R**	IC	NJM4580E(TE2)	IC	OPAMP		01
IC17	**XZ56010R**	IC	UPD789022GB-A15-8E	IC	CPU		
IC18	**X7569A00**	IC	R5520H001B-T1-F US	IC	USB HIGH SIDE SWITCH		03
IC19	**X7371A00**	IC	MC34063EBD-TR	IC	DC-DC CONVERTER		03
IC20	**X6688A0R**	IC	SN74LV14APWR	IC	INVERTER		01
IC24	**X3824A00**	IC	SN74AHCT08PWR	IC	AND		
L1	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
L2	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
L1	**WG595200**	CHIP INDUCTANCE	GZ1608D601 1608	チップインダクタ			
L2	**WG595200**	CHIP INDUCTANCE	GZ1608D601 1608	チップインダクタ			
L6	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
L6	**WG595200**	CHIP INDUCTANCE	GZ1608D601 1608	チップインダクタ			
L7	**WG834800**	COIL FIXED	DLW21HN900SQ2L	コイル			
L8	**WG834800**	COIL FIXED	DLW21HN900SQ2L	コイル			

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
L9	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
L9	**WG595200**	CHIP INDUCTANCE	GZ1608D601 1608	チップインダクタ			
L10	**V858970R**	CHOKE COIL	330U SLF7045T-331M	チップインダクタ			02
L12	**VY65720R**	CHIP INDUCTANCE	600 BK1608HM601-T	チップインダクタ			01
L12	**WG595200**	CHIP INDUCTANCE	GZ1608D601 1608	チップインダクタ			
L13	**V270320R**	CHIP INDUCTANCE	BLM18BB221SN1D	チップインダクタ			01
-15	**V270320R**	CHIP INDUCTANCE	BLM18BB221SN1D	チップインダクタ			01
L37	**V270320R**	CHIP INDUCTANCE	BLM18BB221SN1D	チップインダクタ			01
L38	**V270320R**	CHIP INDUCTANCE	BLM18BB221SN1D	チップインダクタ			01
R16	**RD35747R**	CARBON RESISTOR 1/16 CHIP	47.0K 63M J RECT.	チップ抵抗			01
R17	**RD356470**	CARBON RESISTOR 1/16 CHIP	4.7K 63M J RECT.	チップ抵抗			
R22	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R23	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R25	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
-27	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R28	**RD350001**	CARBON RESISTOR 1/16 CHIP	0 63M J RECT.	チップ抵抗			
R30	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R31	**RD350001**	CARBON RESISTOR 1/16 CHIP	0 63M J RECT.	チップ抵抗			
R34	**RD359100**	CARBON RESISTOR 1/16 CHIP	1.0M 63M J RECT.	チップ抵抗			
R35	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
-42	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R44	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R45	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R46	**RD35527R**	CARBON RESISTOR 1/16 CHIP	270.0 63M J RECT.	チップ抵抗			01
R47	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R48	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
-50	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R51	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R52	**RD354680**	CARBON RESISTOR 1/16 CHIP	68.0 63M J RECT.	チップ抵抗			
R53	**RD354680**	CARBON RESISTOR 1/16 CHIP	68.0 63M J RECT.	チップ抵抗			
R54	**RD350001**	CARBON RESISTOR 1/16 CHIP	0 63M J RECT.	チップ抵抗			
R55	**RD350001**	CARBON RESISTOR 1/16 CHIP	0 63M J RECT.	チップ抵抗			
R56	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R57	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R58	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R60	**RD350001**	CARBON RESISTOR 1/16 CHIP	0 63M J RECT.	チップ抵抗			
R61	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R62	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R64	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R65	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R66	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R68	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
-71	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R73	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R74	**RD355150**	CARBON RESISTOR 1/16 CHIP	150.0 63M J RECT.	チップ抵抗			
R75	**RD355220**	CARBON RESISTOR 1/16 CHIP	220.0 63M J RECT.	チップ抵抗			
R78	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R80	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R81	**RD356220**	CARBON RESISTOR 1/16 CHIP	2.2K 63M J RECT.	チップ抵抗			01
R82	**RD356220**	CARBON RESISTOR 1/16 CHIP	2.2K 63M J RECT.	チップ抵抗			01
R83	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R84	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R85	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R86	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R87	**RD357220**	CARBON RESISTOR 1/16 CHIP	22.0K 63M J RECT.	チップ抵抗			01
R89	**RD357220**	CARBON RESISTOR 1/16 CHIP	22.0K 63M J RECT.	チップ抵抗			01
R90	**RD357220**	CARBON RESISTOR 1/16 CHIP	22.0K 63M J RECT.	チップ抵抗			01
R94	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R95	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R96	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
-98	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R99	**RD356120**	CARBON RESISTOR 1/16 CHIP	1.2K 63M J RECT.	チップ抵抗			
R100	**RD356150**	CARBON RESISTOR 1/16 CHIP	1.5K 63M J RECT.	チップ抵抗			
R101	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R102	**RD357220**	CARBON RESISTOR 1/16 CHIP	22.0K 63M J RECT.	チップ抵抗			01
-104	**RD357220**	CARBON RESISTOR 1/16 CHIP	22.0K 63M J RECT.	チップ抵抗			01
R105	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R106	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R108	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R109	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			

* : New Parts (新規部品)

RANK : Japan only

DM

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
R110	**RD356560**	CARBON RESISTOR 1/16 CHIP	5.6K 63M J RECT.	チップ抵抗			
-113	**RD356560**	CARBON RESISTOR 1/16 CHIP	5.6K 63M J RECT.	チップ抵抗			
R114	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
-116	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R117	**RD356220**	CARBON RESISTOR 1/16 CHIP	2.2K 63M J RECT.	チップ抵抗			01
-120	**RD356220**	CARBON RESISTOR 1/16 CHIP	2.2K 63M J RECT.	チップ抵抗			01
R121	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R122	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R123	**RD35518R**	CARBON RESISTOR 1/16 CHIP	180.0 63M J RECT.	チップ抵抗			01
-126	**RD35518R**	CARBON RESISTOR 1/16 CHIP	180.0 63M J RECT.	チップ抵抗			01
R127	**RD357220**	CARBON RESISTOR 1/16 CHIP	22.0K 63M J RECT.	チップ抵抗			01
-132	**RD357220**	CARBON RESISTOR 1/16 CHIP	22.0K 63M J RECT.	チップ抵抗			01
R133	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
-142	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R143	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R144	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R145	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R146	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R148	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R149	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R150	**RD35747R**	CARBON RESISTOR 1/16 CHIP	47.0K 63M J RECT.	チップ抵抗			01
R151	**RD357220**	CARBON RESISTOR 1/16 CHIP	22.0K 63M J RECT.	チップ抵抗			01
R152	**RD35422R**	CARBON RESISTOR 1/16 CHIP	22.0 63M J RECT.	チップ抵抗			01
R153	**RD35422R**	CARBON RESISTOR 1/16 CHIP	22.0 63M J RECT.	チップ抵抗			01
R154	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R155	**RD357150**	CARBON RESISTOR 1/16 CHIP	15.0K 63M J RECT.	チップ抵抗			
R156	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R157	**RD357150**	CARBON RESISTOR 1/16 CHIP	15.0K 63M J RECT.	チップ抵抗			
R158	**RD35627R**	CARBON RESISTOR 1/16 CHIP	2.7K 63M J RECT.	チップ抵抗			01
R159	**RD356120**	CARBON RESISTOR 1/16 CHIP	1.2K 63M J RECT.	チップ抵抗			
R160	**RD35422R**	CARBON RESISTOR 1/16 CHIP	22.0 63M J RECT.	チップ抵抗			01
R161	**RD35422R**	CARBON RESISTOR 1/16 CHIP	22.0 63M J RECT.	チップ抵抗			01
R162	**RD356220**	CARBON RESISTOR 1/16 CHIP	2.2K 63M J RECT.	チップ抵抗			01
R164	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R165	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R166	**RD35747R**	CARBON RESISTOR 1/16 CHIP	47.0K 63M J RECT.	チップ抵抗			01
R167	**RD35747R**	CARBON RESISTOR 1/16 CHIP	47.0K 63M J RECT.	チップ抵抗			01
R169	**RD356150**	CARBON RESISTOR 1/16 CHIP	1.5K 63M J RECT.	チップ抵抗			
R174	**RD350001**	CARBON RESISTOR 1/16 CHIP	0 63M J RECT.	チップ抵抗			
R177	**RF457220**	CHIP RESISTOR 1/16W	22.0K D RECT.	チップ抵抗			
R178	**RD355220**	CARBON RESISTOR 1/16 CHIP	220.0 63M J RECT.	チップ抵抗			
R179	**RF456100**	CHIP RESISTOR 1/16W	1.0K D RECT.	チップ抵抗			
R181	**RD15310R**	CARBON RESISTOR 1/4,CHIP	1.0 1/4 J TP	チップ抵抗			01
R182	**RD15310R**	CARBON RESISTOR 1/4,CHIP	1.0 1/4 J TP	チップ抵抗			01
R185	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R186	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R187	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R189	**RD35422R**	CARBON RESISTOR 1/16 CHIP	22.0 63M J RECT.	チップ抵抗			01
-191	**RD35422R**	CARBON RESISTOR 1/16 CHIP	22.0 63M J RECT.	チップ抵抗			01
R192	**RD354680**	CARBON RESISTOR 1/16 CHIP	68.0 63M J RECT.	チップ抵抗			
R193	**RD354680**	CARBON RESISTOR 1/16 CHIP	68.0 63M J RECT.	チップ抵抗			
R194	**RD356220**	CARBON RESISTOR 1/16 CHIP	2.2K 63M J RECT.	チップ抵抗			01
R195	**RD356220**	CARBON RESISTOR 1/16 CHIP	2.2K 63M J RECT.	チップ抵抗			01
R196	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
-198	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R201	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R202	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R203	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
R207	**RD15310R**	CARBON RESISTOR 1/4 CHIP	1.0 1/4 J TP	チップ抵抗			01
R210	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R211	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R212	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R213	**RD356100**	CARBON RESISTOR 1/16 CHIP	1.0K 63M J RECT.	チップ抵抗			01
R214	**RD35747R**	CARBON RESISTOR 1/16 CHIP	47.0K 63M J RECT.	チップ抵抗			01
R215	**RD35747R**	CARBON RESISTOR 1/16 CHIP	47.0K 63M J RECT.	チップ抵抗			01
R216	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R219	**RD354680**	CARBON RESISTOR 1/16 CHIP	68.0 63M J RECT.	チップ抵抗			
-226	**RD354680**	CARBON RESISTOR 1/16 CHIP	68.0 63M J RECT.	チップ抵抗			
R227	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			
-234	**RD354470**	CARBON RESISTOR 1/16 CHIP	47.0 63M J RECT.	チップ抵抗			

* : New Parts (新規部品)

RANK : Japan only

DM,PNL

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
R235	**RD35422R**	CARBON RESISTOR 1/16 CHIP	22.0 63M J RECT.	チップ抵抗			01
R236	**RD35422R**	CARBON RESISTOR 1/16 CHIP	22.0 63M J RECT.	チップ抵抗			01
R239	**RD35422R**	CARBON RESISTOR 1/16 CHIP	22.0 63M J RECT.	チップ抵抗			01
R240	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
R241	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
RA3	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			
-6	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			
RA7	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
-16	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
RA17	**WH211800**	RESISTOR ARRAY	10K X 4	抵抗アレイ			
RA22	**WH206200**	RESISTOR ARRAY	47 X 4	抵抗アレイ			01
-27	**WH206200**	RESISTOR ARRAY	47 X 4	抵抗アレイ			01
RA29	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
-31	**WH205400**	RESISTOR ARRAY	22 X 4	抵抗アレイ			01
RA32	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
-41	**WH206600**	RESISTOR ARRAY	68 X 4	抵抗アレイ			01
TR3	**VV556500**	TRANSISTOR	2SA1037AK-T146 Q,R,S	トランジスタ 2SA			
TR3	**WC52950R**	TRANSISTOR	KTA1504S-Y,GR-RTK	トランジスタ			
TR6	**VV556400**	TRANSISTOR	2SC2412K Q,R,S	トランジスタ 2SC			
TR7	**VV556400**	TRANSISTOR	2SC2412K Q,R,S	トランジスタ 2SC			
TR6	**WC52940R**	TRANSISTOR	2SCKTC3875S-Y,GR-RTK	トランジスタ			01
TR7	**WC52940R**	TRANSISTOR	2SCKTC3875S-Y,GR-RTK	トランジスタ			01
TR8	**VV556500**	TRANSISTOR	2SA1037AK-T146 Q,R,S	トランジスタ 2SA			
TR8	**WC52950R**	TRANSISTOR	KTA1504S-Y,GR-RTK/	トランジスタ			
X1	**WE19440R**	QUARTZ CRYSTAL UNIT	16.9344M HC-49S-SM	水晶振動子			01
X2	**WH521200**	QUARTZ CRYSTAL UNIT	SG-310SCF 48MHZ	水晶振動器			04
X3	**WA78210R**	CERAMIC RESONATOR	5.000M	セラミック振動子			
	WH334000	CIRCUIT BOARD	PNL	PNLシート	(X7723D0)		16
C101	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ (F)			01
-104	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ (F)			01
C105	**UF02810R**	ELECTROLYTIC CAPACITOR	100 10V	チップケミコン			01
C106	**US14510R**	CERAMIC CAPACITOR-F (CHIP)	0.1000 25V Z RECT.	チップセラ (F)			01
C107	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ (SL)			
-133	**US062100**	CERAMIC CAPACITOR-SL CHIP	100P 50V J RECT.	チップセラ (SL)			
CN101	**V9335000**	CONNECTOR, FFC/FPC	52808 21P TE	FFC／FPCコネクタ			01
CN102	**WC195200**	CONNECTOR, FFC/FPC	52808 14P TE	FFC／FPCコネクタ			01
CN103	**WC194600**	CONNECTOR, FFC/FPC	52808 7P TE	FFC／FPCコネクタ			
D101	**VR49650R**	DIODE	MA2J1110GL TP	チップダイオード			01
D101	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			
-108	**VR49650R**	DIODE	MA2J1110GL TP	チップダイオード			01
-108	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			
IC101	**XS71120R**	IC	MN101C027YB 1CHITS	IC	CPU		06
LD101	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	ACMP		01
LD102	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	INTRO I		01
LD103	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	INTRO II		01
LD104	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	INTRO III		01
LD105	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	MAIN VARIATION A		01
LD106	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	MAIN VARIATION B		01
LD107	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	MAIN VARIATION C		01
LD108	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	MAIN VARIATION D		01
LD109	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	ENDING/rit.I		01
LD110	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	ENDING/rit.II		01
LD111	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	ENDING/rit.III		01
LD112	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	SYNC STOP		01
LD113	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	SYNC START		01
LD114	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	OTS LINK		01
LD115	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	SONG MODE		01
LD116	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	AUTO FILL IN		01
LD117	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	REC		01
LD118	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	START/STOP		01
LD119	**WF30100R**	LED (CHIP)	SML-012PTT86A GREEN	チップLEDテー	START/STOP		01
R101	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
-106	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R108	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
-113	**RD357100**	CARBON RESISTOR 1/16 CHIP	10.0K 63M J RECT.	チップ抵抗			01
R114	**RD35530R**	CARBON RESISTOR 1/16 CHIP	300.0 63M J RECT.	チップ抵抗			01
-131	**RD35530R**	CARBON RESISTOR 1/16 CHIP	300.0 63M J RECT.	チップ抵抗			01
R132	**RD35520R**	CARBON RESISTOR 1/16 CHIP	200.0 63M J RECT.	チップ抵抗			01
-149	**RD35520R**	CARBON RESISTOR 1/16 CHIP	200.0 63M J RECT.	チップ抵抗			01

* : New Parts (新規部品)

RANK : Japan only

PNL,PNC,PNR,61L,61H

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
R150	**RD35747R**	CARBON RESISTOR 1/16 CHIP	47.0K 63M J RECT.	チップ抵抗			01
-157	**RD35747R**	CARBON RESISTOR 1/16 CHIP	47.0K 63M J RECT.	チップ抵抗			01
R158	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
-160	**RD355100**	CARBON RESISTOR 1/16 CHIP	100.0 63M J RECT.	チップ抵抗			
TA101	**V856660R**	TRANSISTOR ARRAY	TD62785FG-(5,EL)	トランジスタアレイ			05
TR101	**VY67760R**	DIGITAL TRANSISTOR	DTC123JKA TP	デジタルトランジスタ			01
-115	**VY67760R**	DIGITAL TRANSISTOR	DTC123JKA TP	デジタルトランジスタ			01
X101	**VY68120R**	CERAMIC RESONATOR	CSTCC 8.0M	セラミック発振子			01
	WH333800	CIRCUIT BOARD	PNC	PNCシート	(WH50940)(X7978B0)		16
	WH333900	CIRCUIT BOARD	PNR	PNRシート	(WH50940)(X7978B0)		16
CN202	**WJ097700**	FFC CONNECTOR	52807 21P SE	FFCコネクタ			
CN301	**VV678400**	FFC CONNECTOR	52806 14P TE	FFCコネクター			01
D201	**VR49650R**	DIODE	MA2J1110GL TP	チップダイオード			01
D201	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			
-208	**VR49650R**	DIODE	MA2J1110GL TP	チップダイオード			01
-208	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			
D301	**VR49650R**	DIODE	MA2J1110GL TP	チップダイオード			01
D301	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			
-308	**VR49650R**	DIODE	MA2J1110GL TP	チップダイオード			01
-308	**VT332900**	DIODE	1SS355 TE-17 TP	ダイオード			
LD201	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	REGISTRATION MEMORY 1		01
LD202	**WF30100R**	LED (CHIP)	SML-012PTT86A GREEN	チップLEDテー	REGISTRATION MEMORY 1		01
LD203	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	REGISTRATION MEMORY 2		01
LD204	**WF30100R**	LED (CHIP)	SML-012PTT86A GREEN	チップLEDテー	REGISTRATION MEMORY 2		01
LD205	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	REGISTRATION MEMORY 3		01
LD206	**WF30100R**	LED (CHIP)	SML-012PTT86A GREEN	チップLEDテー	REGISTRATION MEMORY 3		01
LD207	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	REGISTRATION MEMORY 4		01
LD208	**WF30100R**	LED (CHIP)	SML-012PTT86A GREEN	チップLEDテー	REGISTRATION MEMORY 4		01
LD209	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	REGISTRATION MEMORY 5		01
LD210	**WF30100R**	LED (CHIP)	SML-012PTT86A GREEN	チップLEDテー	REGISTRATION MEMORY 5		01
LD211	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	REGISTRATION MEMORY 6		01
LD212	**WF30100R**	LED (CHIP)	SML-012PTT86A GREEN	チップLEDテー	REGISTRATION MEMORY 6		01
LD213	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	REGISTRATION MEMORY 7		01
LD214	**WF30100R**	LED (CHIP)	SML-012PTT86A GREEN	チップLEDテー	REGISTRATION MEMORY 7		01
LD215	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	REGISTRATION MEMORY 8		01
LD216	**WF30100R**	LED (CHIP)	SML-012PTT86A GREEN	チップLEDテー	REGISTRATION MEMORY 8		01
LD301	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	ONE TOUCH 1		01
LD302	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	ONE TOUCH 2		01
LD303	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	ONE TOUCH 3		01
LD304	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	ONE TOUCH 4		01
LD305	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	LEFT		01
LD306	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	DUAL		01
LD307	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	HARMONY		01
LD308	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	SUSTAIN		01
LD309	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	TOUCH		01
LD310	**WF300900**	LED (CHIP)	SML-512DW ORANGE	チップLEDテー	DSP		01
	V869530R	CIRCUIT BOARD	61L 16N2M C61 P2	シート61L	(V869520)(X2336B0)		
10	**VQ769500**	ADHESIVE TAPE W=15	W=15	マスキングテープ			
CN04	**VK02560R**	CONNECTOR BASE PIN	52147 12P TE	ワイヤートラップ		3	01
CN05	**VK025100**	CONNECTOR BASE PIN	52147 7P TE	ワイヤートラップ		3	
D001	**VB941200**	DIODE	1SS133,1SS176 TE	ダイオード		3	
-072	**VB941200**	DIODE	1SS133,1SS176 TE	ダイオード		3	
	V869550R	CIRCUIT BOARD	61H 16N2M C61 P2	シート61H	(V869540)(X2335C0)		06
10	**VQ769500**	ADHESIVE TAPE W=15	W=15	マスキングテープ			
CN01	**VK02560R**	CONNECTOR BASE PIN	52147 12P TE	ワイヤートラップ		3	01
CN02	**VK024900**	CONNECTOR BASE PIN	52147 5P TE	ワイヤートラップ		3	
CN03	**VK02560R**	CONNECTOR BASE PIN	52147 12P TE	ワイヤートラップ		3	01
D073	**VB941200**	DIODE	1SS133,1SS176 TE	ダイオード		3	
-122	**VB941200**	DIODE	1SS133,1SS176 TE	ダイオード		3	
⚠	**WH943500**	AC ADAPTER	PA-301 E	ACアダプター	E		
⚠	**WH943400**	AC ADAPTER	PA-301 U	ACアダプター	U,C		12
⚠	**WH943300**	AC ADAPTER	PA-301 J	ACアダプター	J		
⚠	**WJ049600**	AC ADAPTER	PA-301 CHN	ACアダプター	O		14
⚠	**WH943600**	AC ADAPTER	PA-301 GBR	ACアダプター	B		14
	X0159A0R	SPEAKER(TWEETER)	3.0cm 12.0cm 8 ohm 10W	スピーカ		2	

* : New Parts (新規部品)

RANK : Japan only

CL

	REF NO.	PART NO.	DESCRIPTION	部品名	REMARKS	QTY	RANK
*		**YA372A00**	SPEAKER(WOOFER)	スピーカ		2	
		WN744800	LCD UNIT	液晶ユニット			

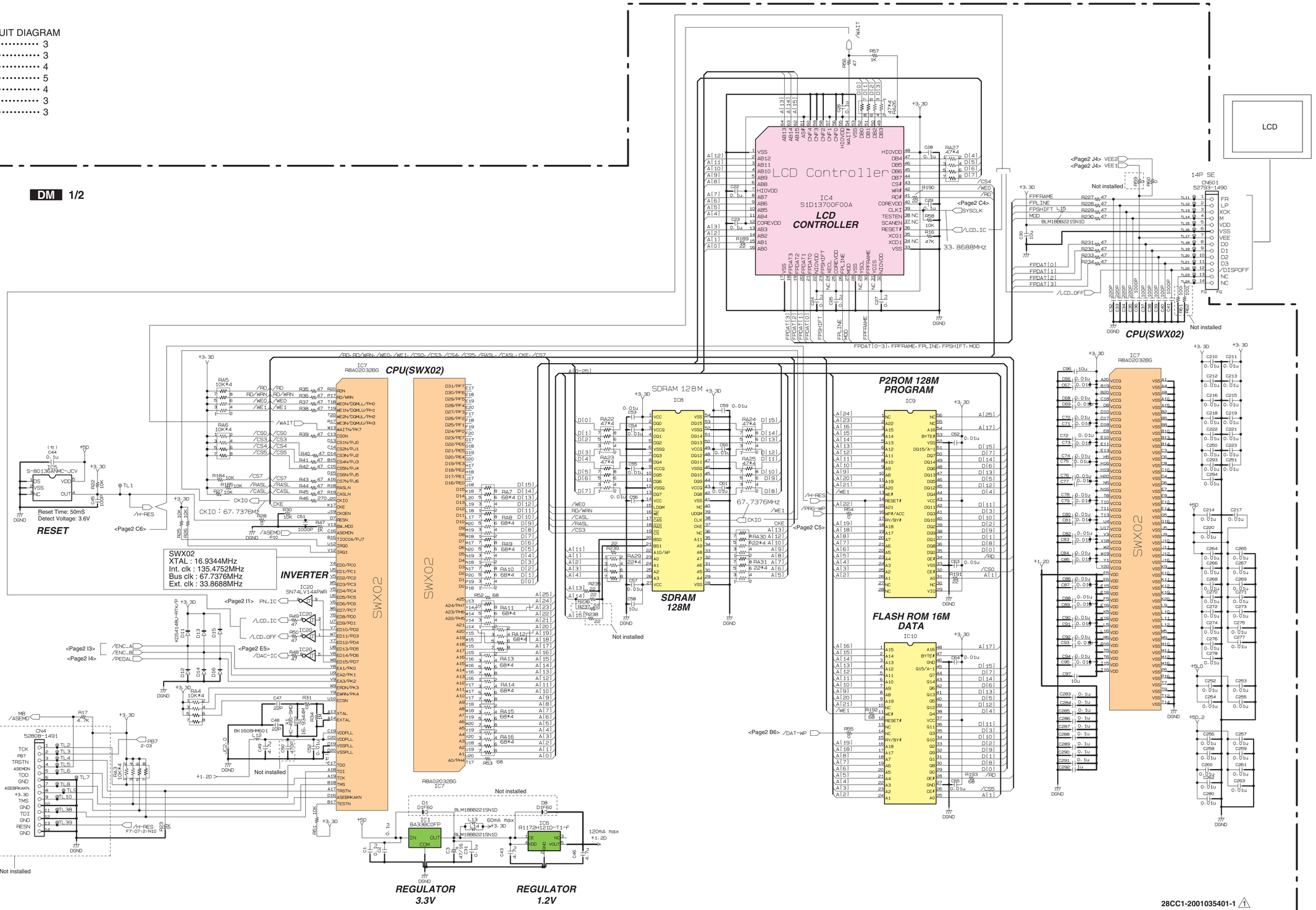
* : New Parts (新規部品)

RANK : Japan only

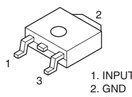
■ PSR-S550/PSR-S550B OVERALL CIRCUIT DIAGRAM 1/5 (DM 1/2)

■CONTENTS

PSR-S550/PSR-S550B OVERALL CIRCUIT DIAGRAM

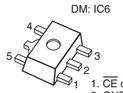


- **BA33BC0FP** (X5889A0R)
  REGULATOR +3.3V
  DM: IC1



1. INPUT
2. GND
3. OUTPUT

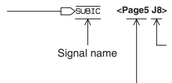
- **R1172H121D-T1-F** (X9292A00)
  REGULATOR +1.2V
  DM: IC6



1. $\overline{CE}$ or CE
2. GND
3. NC
4. V_{DD}
5. V_{OUT}

Notation for Circuit Diagrams

1. How to identify inter-circuit connectors.



■WARNING

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

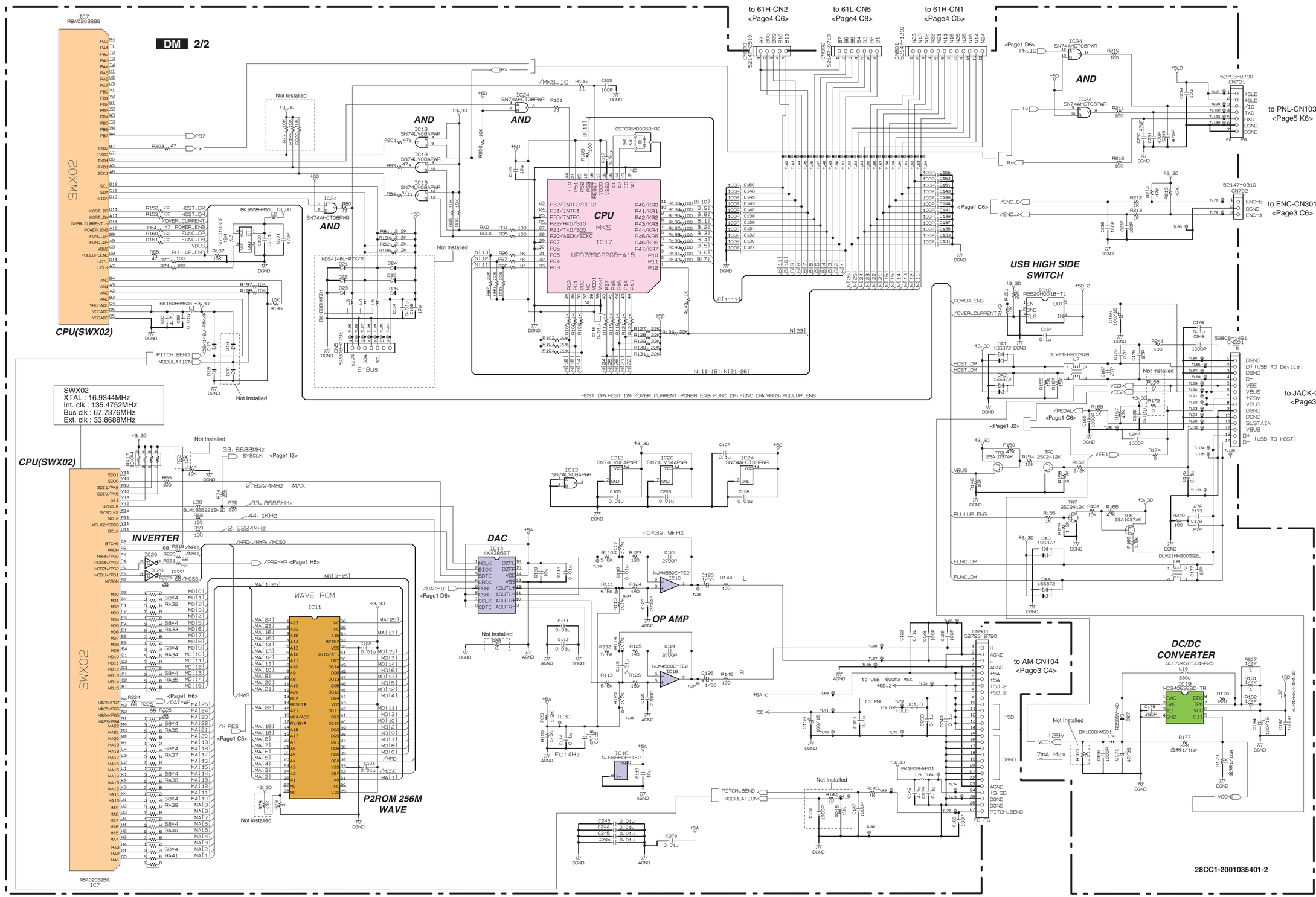
⚠ 印の部品は、安全を維持するために重要な部品です。
交換する場合は、安全の為に必ず指定の部品を御使用ください。

⊣⊢ : Ceramic Capacitor（セラミックコンデンサー）

Note: See parts list for details of circuit board component parts.
注：シートの部品詳細はパーツリストを御参照ください。

PSR-S550/PSR-S550B

■ PSR-S550/PSR-S550B OVERALL CIRCUIT DIAGRAM 2/5 (DM 2/2)



■WARNING

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⚠ 印の部品は、安全を維持するために重要な部品です。
交換する場合は、安全の為に必ず指定の部品を御使用ください。

十 : Ceramic Capacitor（セラミックコンデンサー）
金被 : Metal Film Resistor（金属被膜抵抗）

Note: See parts list for details of circuit board component parts.
注：シートの部品詳細はパーツリストを御参照ください。

■ PSR-S550/PSR-S550B OVERALL CIRCUIT DIAGRAM 3/5 (AM, JACK, ENC, MVR, PB, PSW, TW)

• **BA50BC0T** (X5887A00) REGULATOR +5V AM: IC102	• **SI-8050S(LF1111)** (X0548A00) DC-DC CONVERTER AM:IC101
1. INPUT 2. OUTPUT 3. GND	1: V in 2: SW OUT 3: GND 4: V os 5: S.S

■WARNING

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

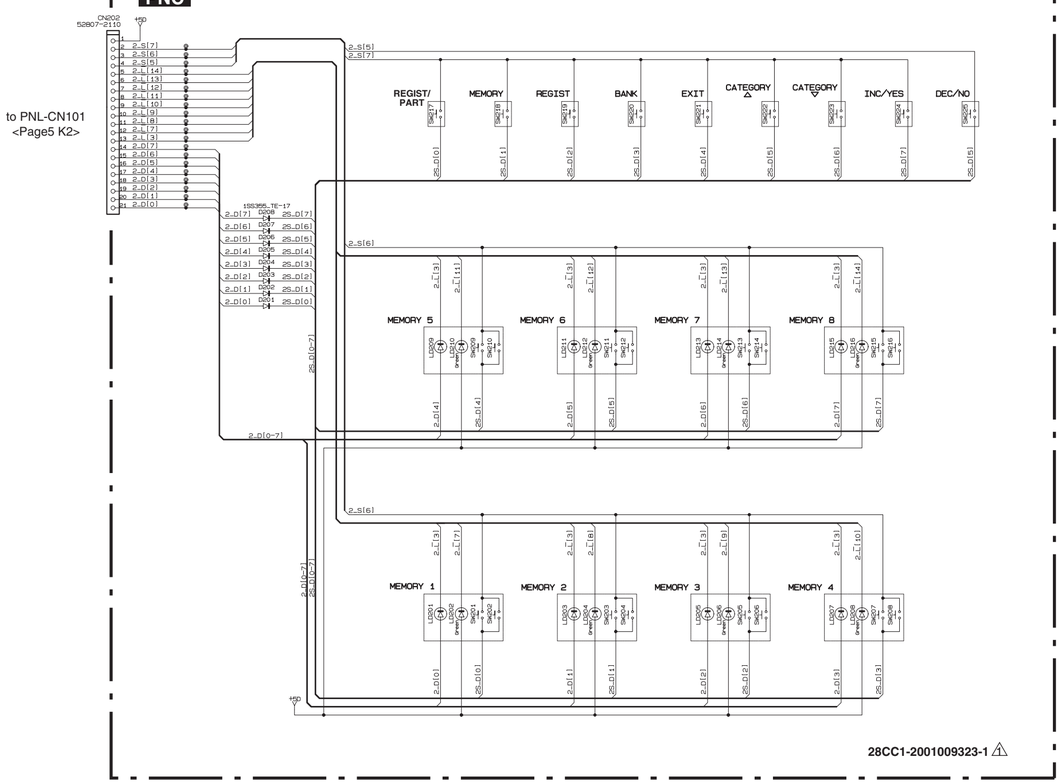
⚠ 印の部品は、安全を維持するために重要な部品です。
交換する場合は、安全の為に必ず指定の部品を御使用ください。

（マ）：Mylar Capacitor（マイラーコンデンサー）
（セ）：Ceramic Capacitor（セラミックコンデンサー）

Note: See parts list for details of circuit board component parts.
注：シートの部品詳細はパーツリストを御参照ください。

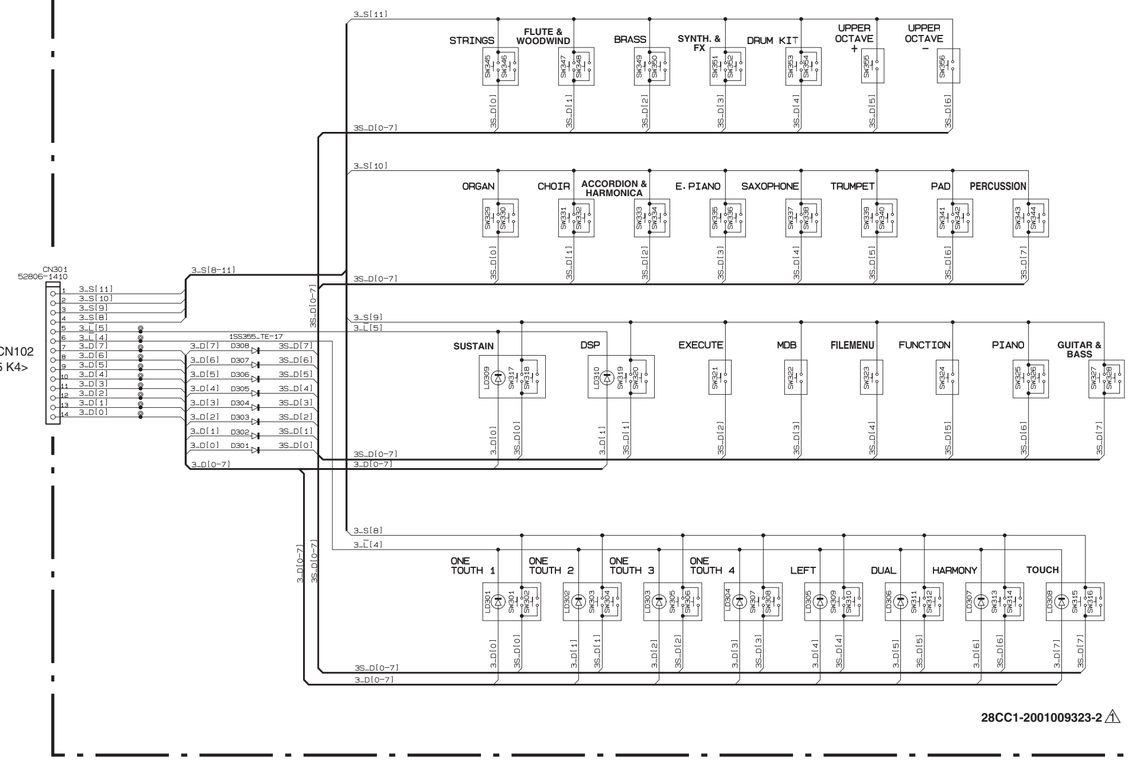
■ PSR-S550/PSR-S550B OVERALL CIRCUIT DIAGRAM 4/5 (PNC, PNR, 61H, 61L)

PNC

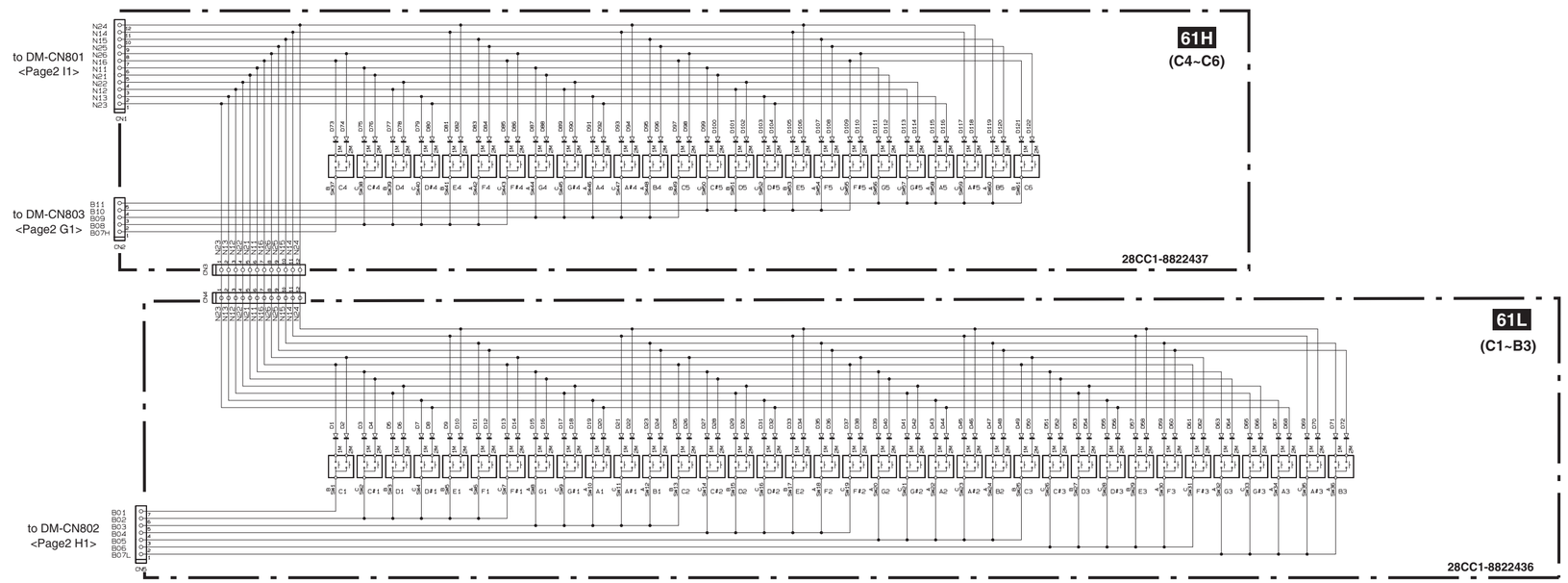


28CC1-2001009323-1 ⚠

PNR



28CC1-2001009323-2 ⚠



■WARNING

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

⚠ 印の部品は、安全を維持するために重要な部品です。
交換する場合は、安全の為に必ず指定の部品を御使用ください。

Note: See parts list for details of circuit board component parts.
注：シートの部品詳細はパーツリストを御参照ください。

■ PSR-S550/PSR-S550B OVERALL CIRCUIT DIAGRAM 5/5 (PNL)

PNL

CPU
IC101
MN101C027YB

to PNC-CN202
<Page4 A2>

to PNR-CN301
<Page4 F3>

to DM-CN701
<Page2 K2>

28CC1-2001009322 ⚠

（セ）：Ceramic Capacitor（セラミックコンデンサー）

■WARNING

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

⚠ 印の部品は、安全を維持するために重要な部品です。
交換する場合は、安全の為に必ず指定の部品を御使用ください。

Note: See parts list for details of circuit board component parts.
注：シートの部品群細はパーツリストを御参照ください。

PSR-S550/PSR-S550B

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