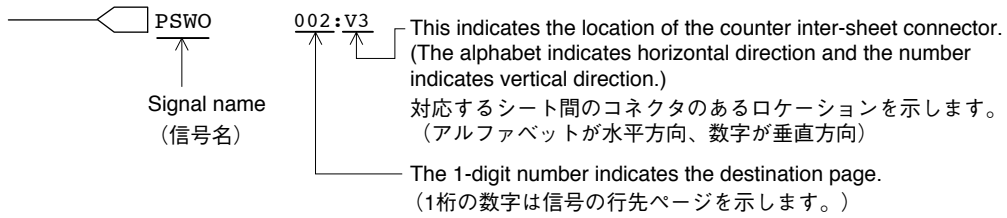


Notation for Circuit Diagrams (回路図表記上の注意)

1. How to identify inter-sheet connectors (シート間コネクタの読み方について)



2. Connection of connectors. (コネクタの接続について)

(Example) to PS-CN6
(Page 16: A-7)

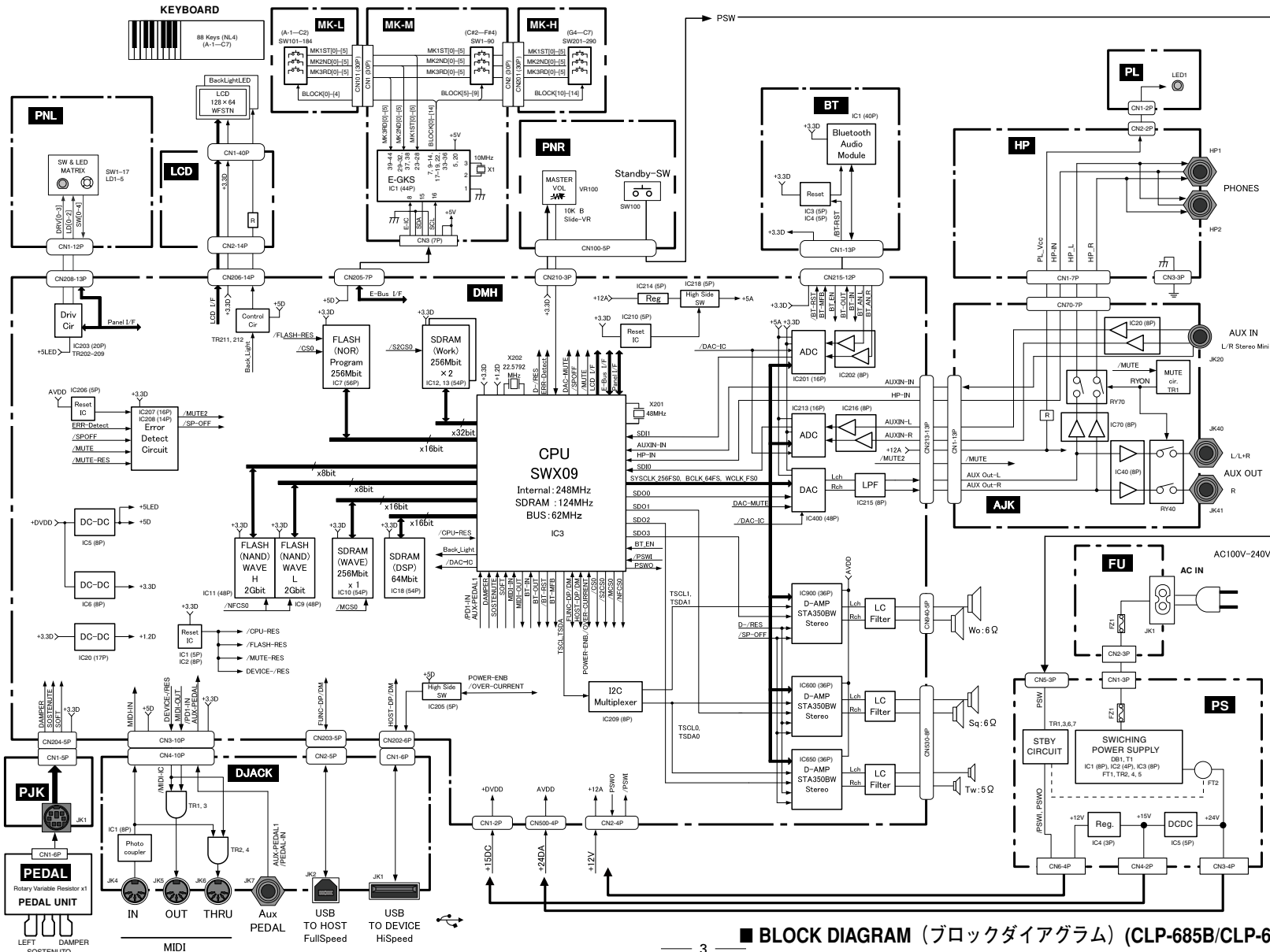
Page 16 are the page of a circuit diagram.
(Page 16 は回路図のページです。)

A-7 is indicates the location of the counter inter-circuit board connector.
(The alphabet indicates horizontal direction and the number indicates vertical direction.)

A-7 は対応するシート間のコネクタのあるロケーションを示します。
(アルファベットが水平方向、数字が垂直方向)

■ BLOCK DIAGRAM (ブロックダイアグラム) (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH

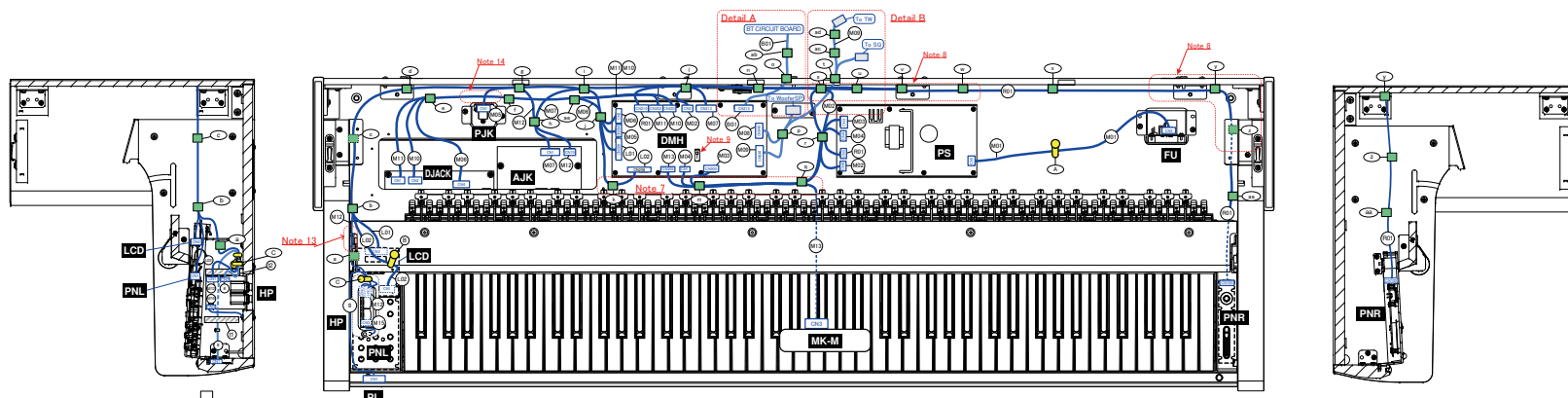


■ BLOCK DIAGRAM (ブロックダイアグラム) (CLP-685B/CLP-685PE/CLP-685PWH)

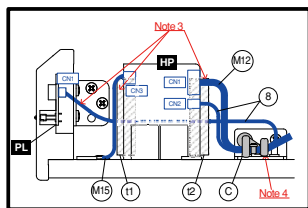
28CA1-2001169570

■ CIRCUIT BOARD LAYOUT & WIRING (ユニットレイアウト & 結線図) (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH



Zoom up

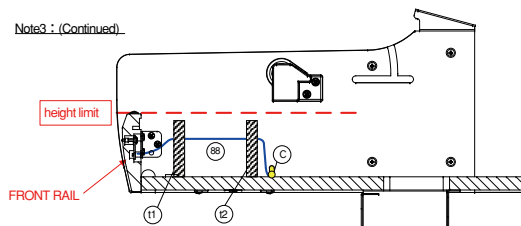


Note 1:
この図面は束線引き回しのために用いる事。
This drawing should be used only for the reference of installing connector assembly.

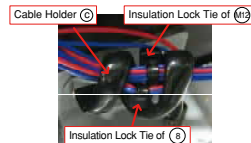
- Note 2:**
結束部品のシンボル Symbols of binding parts
- : フィラメントテープ Filament Tape
 - : ビニタイ Cord Binder
 - : 束線止め Cable Holder
 - : インシュロックタイ Insulation Lock Tie

Note 3:
HPシートの部品端子に触れないよう、たるませず ③ を腕木に添わせて
フィラメントテープ ⑩⑪ で固定すること。
③のインシュロックタイの上に ⑩⑪ を貼らない事。
⑩⑪は口棒の高さを越えない様に貼ること。
③ is fixed to along Side Arm with Filament tape ⑩⑪
Then, don't loose to not touch electric parts leads of HP CIRCUIT BOARD.
Do not put ⑩⑪ on insulation Lock Tie of ③.
When stick ⑩⑪ is not exceed the FRONT RAIL height.

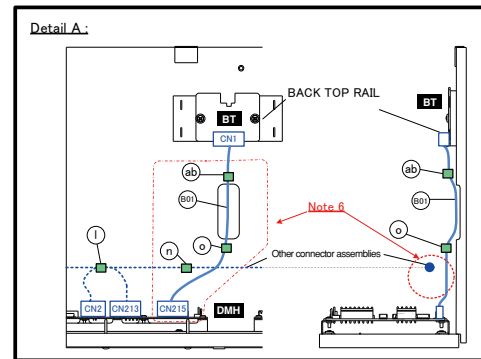
Note 3: (Continued).



Note 4:
図に示すように、束線止め ④ で ⑭⑮ と ⑧ のインシュロックタイを挟み込むように固定する事。
また、鍵盤ハンマーに当たらない様に調節する事。
Insulation Lock Tie of ⑭⑮ and ⑧ must be fixed like pinching by ④.
Modify the position of them not to touch the hammer of the keyboard



Note 6:
⑮は、Bluetoothを搭載する仕向けのみ接続すること。
束線が背面框から20mm以内に収まるようにビニタイで固定すること。
また、⑮と他の束線の交差するところでは、⑮が背面框側になるように配線すること。
束線 ⑮は背面框の凹みの間を通っている事。
Connect ⑮ only when products of some destination which carries a Bluetooth function are produced.
In order that connector assembly fix by Cord Binder, process to fit in less than 20 mm from BACK TOP RAIL.
In the place where ⑮ and other connector assemblies cross, wire so that ⑮ is on the BACK TOP RAIL side.
Please insert the connector assembly ⑮ into the cavity of BACK TOP RAIL.



Note 7:
⑮⑯⑰⑱は鍵盤ハンマーに当たらない様に ⑲⑳㉑のビニタイで固定する事。
⑲⑳㉑ is fixed by displayed Cord Binder ⑲⑳㉑ careful so that a keyboard hammer may not be touch.

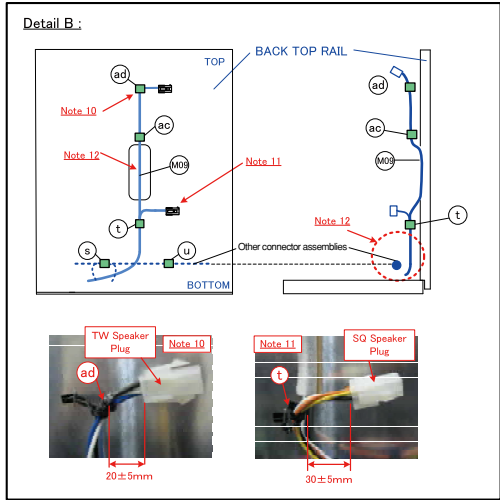
Note 8:
束線がPSシート、FUシートに触れないように、ビニタイで固定すること。
In order that connector assembly cannot touch PS CIRCUIT BOARD and FU CIRCUIT BOARD, fix by Cord Binder.

Note 9:
DMHシートのSW204を下図のように設定すること。
SW204 of DMH CIRCUIT BOARD is set as shown in the figure below.

| Location | SW204 | |
|----------|---------|--------------|
| | J | Other Than J |
| CLP-685 | SW = ON | SW = OFF |

■ CIRCUIT BOARD LAYOUT & WIRING (ユニットレイアウト & 結線図) (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH



Note 10:
Detail BのようにTWスピーカー束線を(Ⓐ)で固定すること。
その際、プラグの向きを本体向かって右側へ曲げること。
Fix the connector assembly speaker with (Ⓐ) as Detail B.
When doing this job, make sure of the plug direction should be heading to the right.

Note 11:
Detail BのようにSQスピーカー束線を(Ⓛ)で固定すること。
その際、プラグの向きを本体向かって右側へ曲げること。
Fix the connector assembly speaker with (Ⓛ) as Detail B.
When doing this job, make sure of the plug direction should be heading to the right.

Note 12:
束線が背面框から20mm以内に収まるようにビニタイで固定すること。
また、(Ⓜ)と他の束線の交差するところでは、(Ⓜ)が背面框側になるように配線すること。
束線(Ⓜ)は背面框の凹みの間を通っていること。
In order that connector assembly fix by Cord Binder, process to fit less than 20 mm from BACK TOP RAIL.
In the place where (Ⓜ) and other connector assemblies cross, wire so that (Ⓜ) is on the BACK TOP RAIL side.
Please insert the connector assembly (Ⓜ) into the cavity of BACK TOP RAIL.

Note 13:
束線(Ⓜ)は、金具の下側の切り欠きを通すこと。
(Ⓜ) should be place metal cutouts below the angle parts.

Note 14:
束線(Ⓜ)(Ⓜ)(Ⓜ)は、ペダル金具に当たらない様に(Ⓛ)のビニタイで固定する事。
(Ⓜ)(Ⓜ)(Ⓜ) is fixed by Cord Binder (Ⓛ) careful so that a pedal plate may not be touch.

Note 15:
棚板上を這い回す束線は、棚板に当たらない様にビニタイで固定する事。
Connector assemblies placed over KEYBED are fixed by Cord Binder careful so that a KEYBED may not be touch.

| Location ロケーション | Part No. 部品番号 | Part Name 部品名称 | Source 接続元 | Destination 接続先 | Fixed Position 固定位置 | Note 備考 |
|--------------------|------------------|---------------------------|---------------|--------------------|--------------------------------------|---|
| (M01) | (ZV98150) | Connector Assembly PS | PS 束線 | PS CN1 (VH3P) | FU CN2 (VH3P) | (A) |
| (M02) | (WE30670) | Connector Assembly PH | PH 束線 | PS CN6 (PH4P) | DMH CN2 (PH4P) | (1)(2)(3)(7) |
| (M03) | (ZV98170) | Connector Assembly VH | VH 束線 | PS CN3 (VH4P) | DMH CN500 (VH4P) | (4)(5)(6) |
| (M04) | (ZV98180) | Connector Assembly XH | XH 束線 | PS CN4 (XH2P) | DMH CN1 (XH2P) | (4)(5)(7) |
| (M05) | (ZV97600) | Connector Assembly PH-GH | PH-GH 束線 | DMH CN204 (GH5P) | FJK CN1 (PH5P) | (8)(9)(1) |
| (M06) | (ZV98190) | Connector Assembly PH-GH | PH-GH 束線 | DMH CN3 (GH10P) | DJACK CN4 (PH10P) | (2)(7)(8)(1) |
| (M07) | (WE33360) | Connector Assembly PH | PH 束線 | DMH CN213 (PH13P) | AJK CN1 (PH13P) | (3)(4)(1) |
| (M08) | (ZV98200) | Connector Assembly WO-H | WO-H 束線 | DMH CN940 (VH5P) | FRONT BOARD ASSEMBLY (PLUG 5559 6P) | (2) |
| (M09) | (ZV98210) | Connector Assembly SQTW-H | SQTW-H 束線 | DMH CN530 (VH8P) | MIDDLE BOARD ASSEMBLY (PLUG 5559 4P) | (2)(1) |
| (M10) | (ZY12510) | Connector Assembly USB | USB ケーブル | DMH CN203 (PH5P) | DJACK CN2 (PH5P) | (2)(1)(2) |
| (M11) | (ZY12520) | Connector Assembly USB | USB ケーブル | DMH CN202 (PH6P) | DJACK CN1 (PH6P) | (2)(1)(2) |
| (M12) | (ZJ21840) | Connector Assembly PH-PH | PH-PH 束線 | AJK CN70 (PH7P) | HP CN1 (PH7P) | (3)(4)(5)(6)(7)(8)(9) |
| (M13) | (ZV95370) | Connector Assembly PH-GH | PH-GH 束線 | DMH CN205 (GH7P) | MK-M CN3 (PH7P) | (4)(5) |
| (M15) | (ZF38590) | Connector Assembly GND | GND 線 | HP CN3 (PH3P) | KEYBED | |
| (B01) | (ZX50070) | Connector Assembly PH | PH 束線 | DMH CN215 (PH12P) | BT CN1 (PH13P) | (2)(3) |
| (8) | (ZJ21850) | Connector Assembly PH-PH | PH-PH 束線 | PL CN1 (PH2P) | HP CN2 (PH2P) | (2) |
| (L01) | (ZV44140) | Connector Assembly GH-PH | GH-PH 束線 | LCD CN2 (PH14P) | DMH CN206 (GH14P) | (3)(4)(5)(6)(7)(1) |
| (L02) | (ZV44150) | Connector Assembly PH-GH | PH-GH 束線 | PNL CN1 (PH12P) | DMH CN208 (GH13P) | (3)(4)(5)(6)(7)(1)(2) |
| (R01) | (ZV96950) | Connector Assembly PH-GH | PH-GH 束線 | PNR CN100 (PH5P) | DMH CN210 (GH3P) PS CN5 (PH3P) | (1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12) |

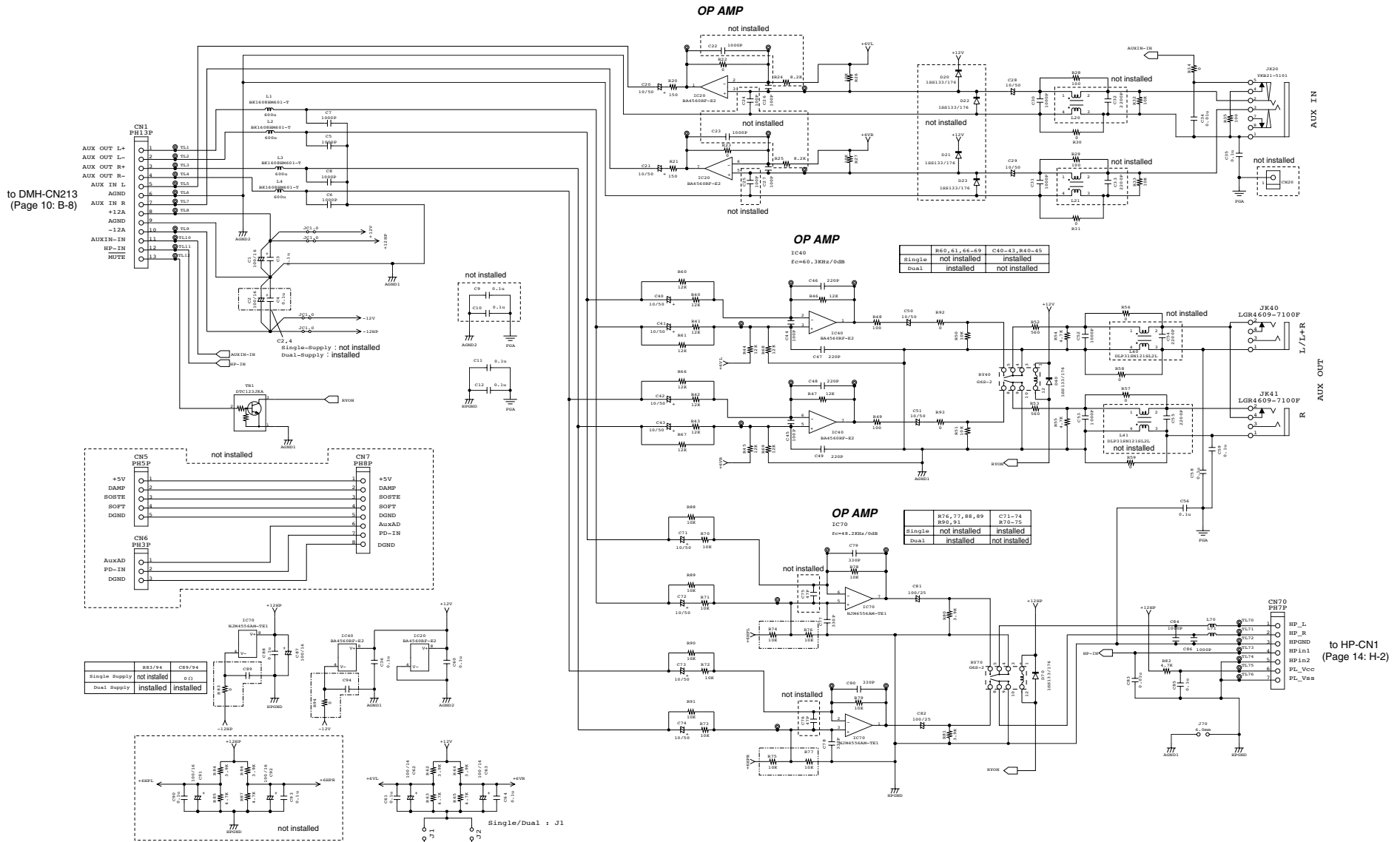
NOTE) The parts with "()" in "Part No." are not available as service parts.
NOTE) 上記束線のうち、部品 No. に "()" がついている部品は、サービス部品として準備されていません。

2NC-ZV54140-8 ⚠

2NC-ZV54140-7 ⚠

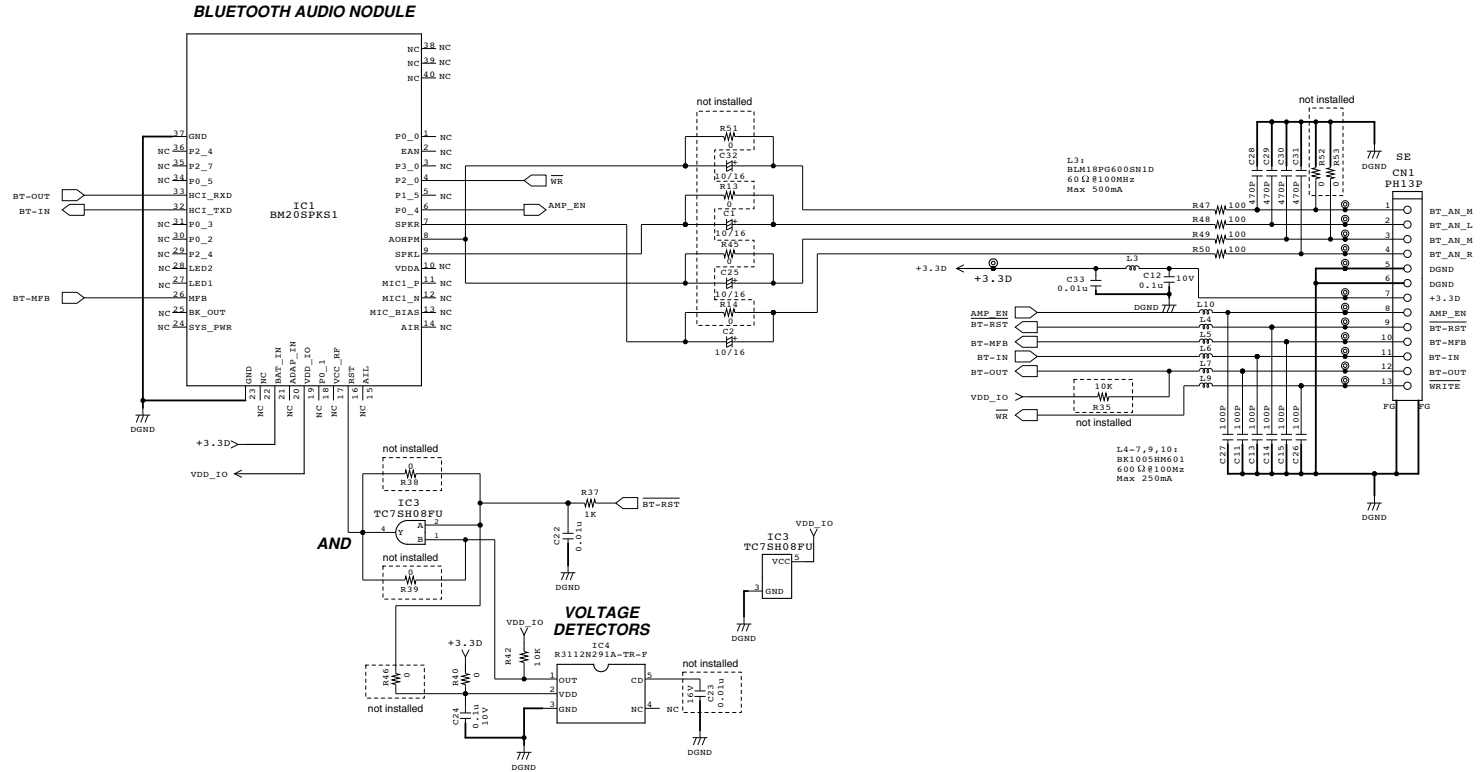
■ AJK CIRCUIT DIAGRM (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH



BT CIRCUIT DIAGRM (CLP-685B/CLP-685PE/CLP-685PWH)

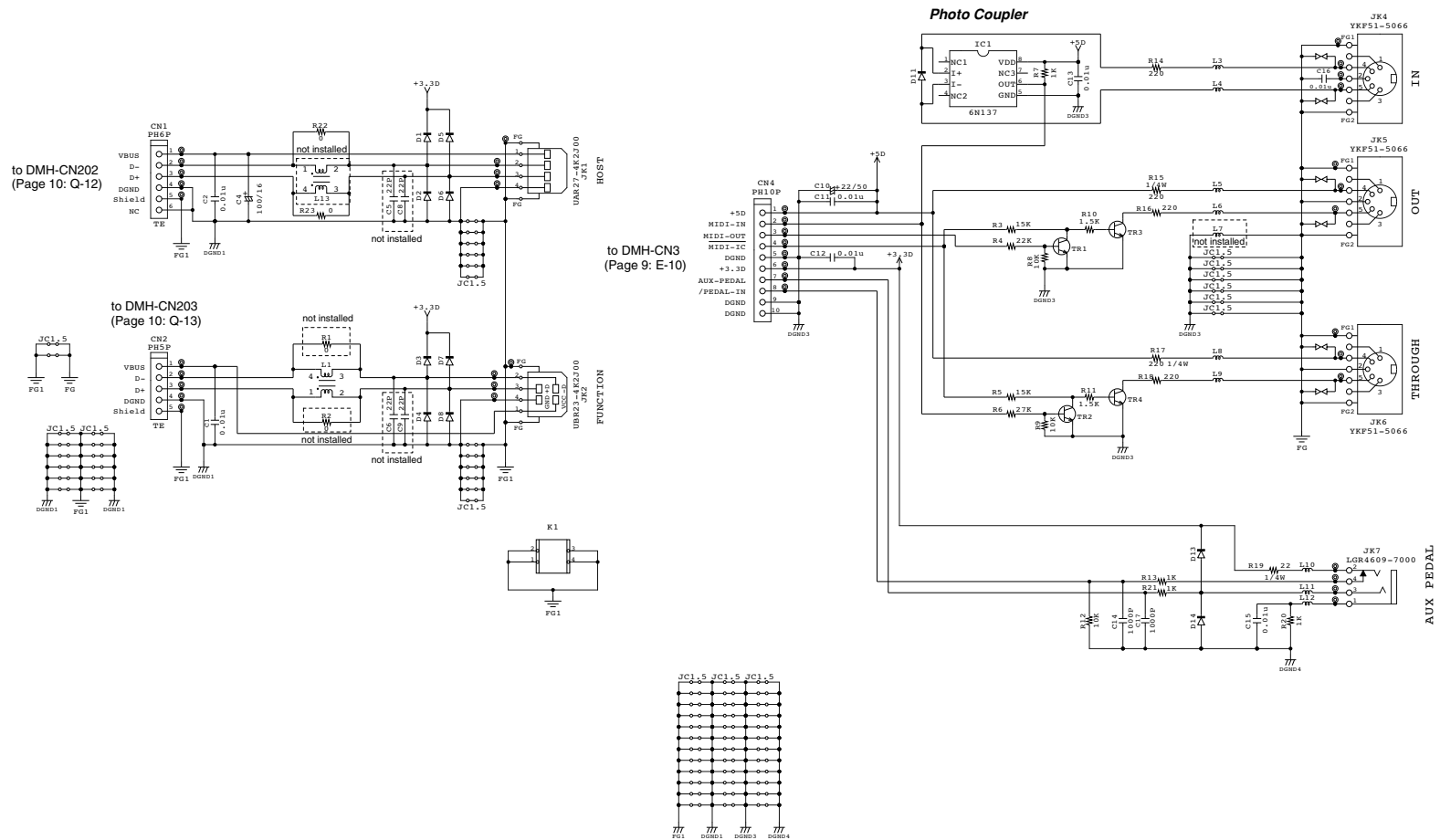
CLP-685B/CLP-685PE/CLP-685PWH



to DMH-CN215 (Page 10: A-11)

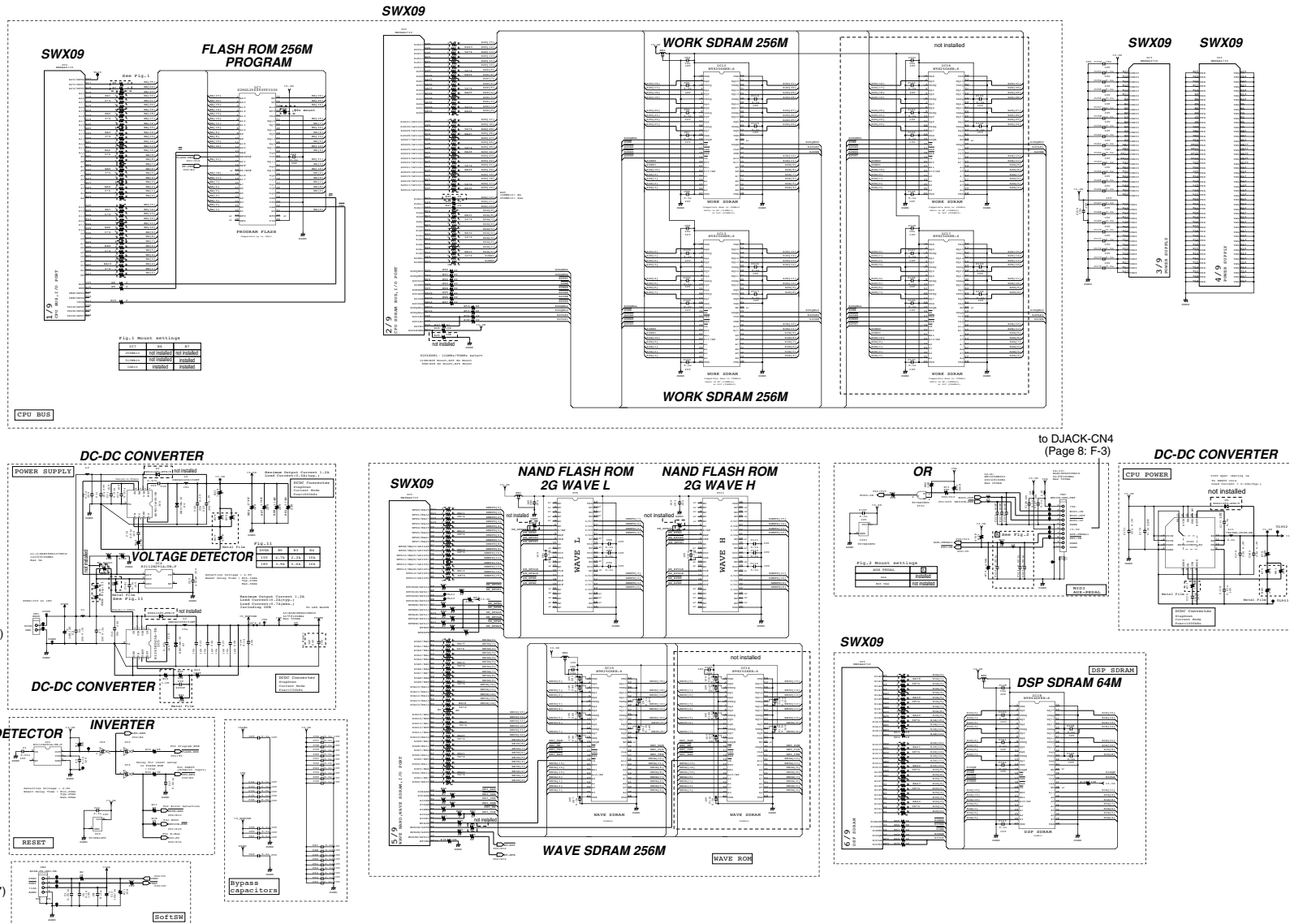
■ DJACK CIRCUIT DIAGRAM (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH



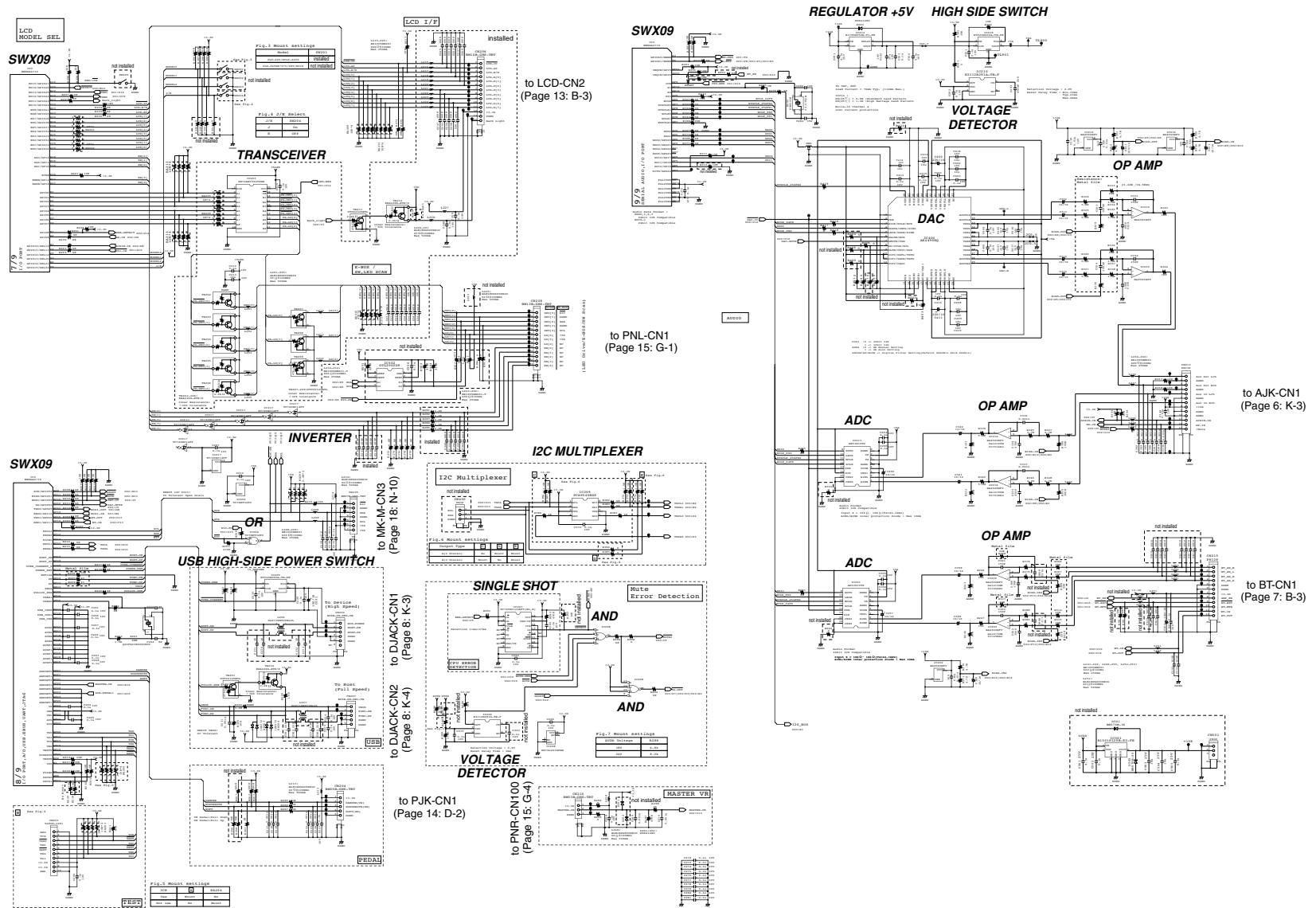
DMH 001 CIRCUIT DIAGRM (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH



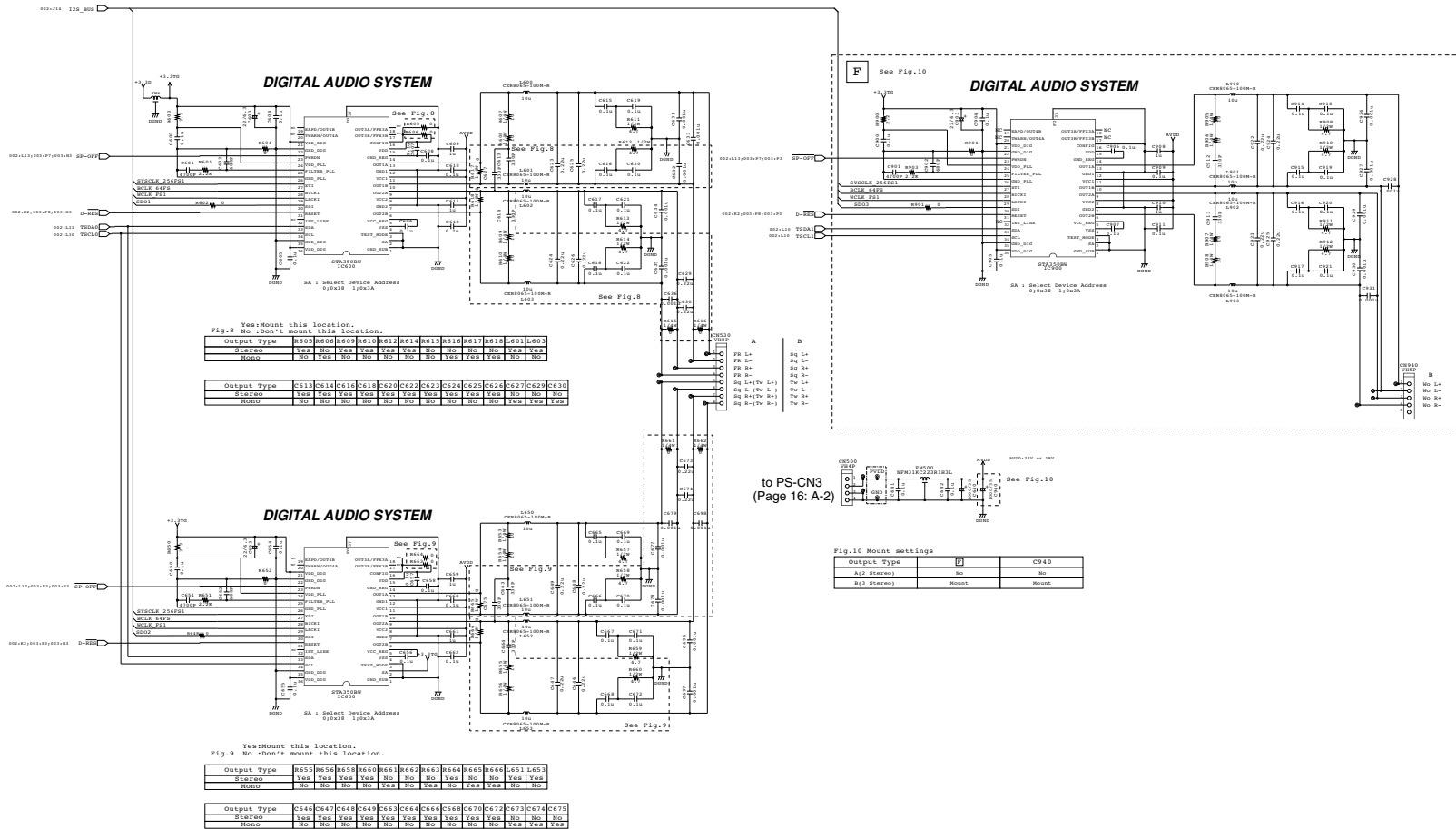
■ DMH 002 CIRCUIT DIAGRM (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH



DMH 003 CIRCUIT DIAGRM (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH



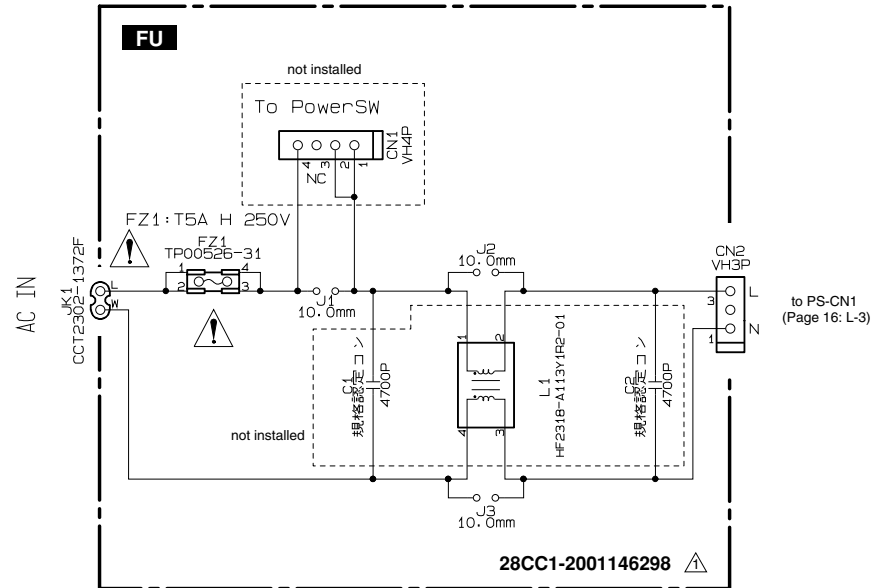
to PS-CN3 (Page 16: A-2)

Fig.10 Mount settings


| | | |
|--------------|-------|-------|
| Output Type | 0 | C940 |
| St2 (Stereo) | No | No |
| St3 (Stereo) | Mount | Mount |


■ FU CIRCUIT DIAGRM (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH



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、安全のために必ず指定の部品をご使用ください。

■ FU CIRCUIT DIAGRM (CLP-685B/CLP-685PE/CLP-685PWH)

H

G

F

E

D

C

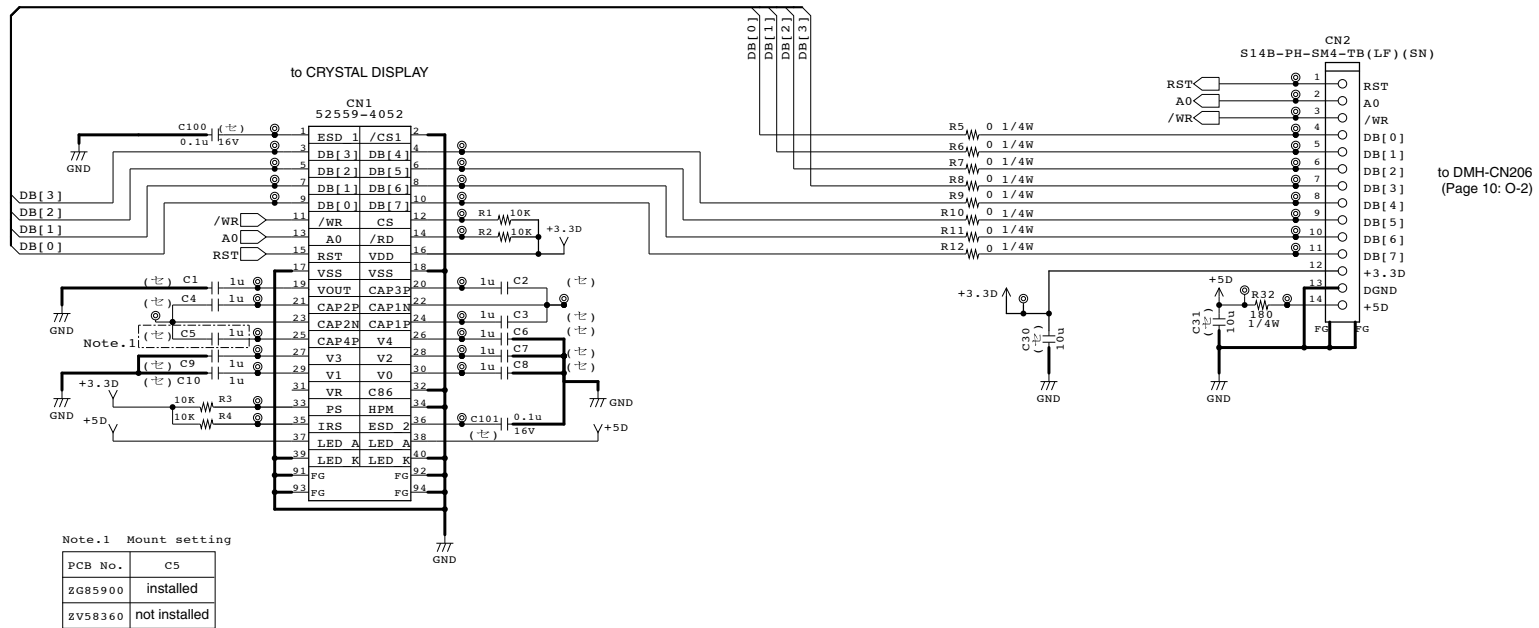
B

A

■ LCD CIRCUIT DIAGRM (CLP-685B/CLP-685PE/CLP-685PWH)

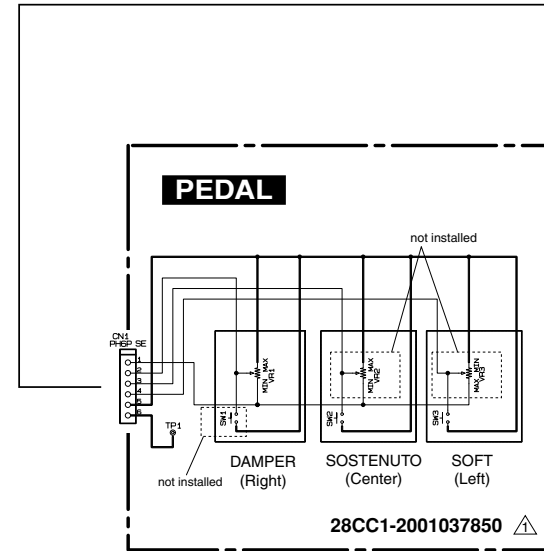
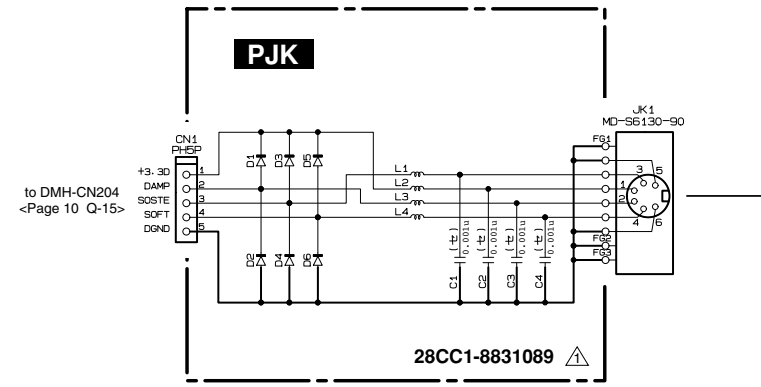
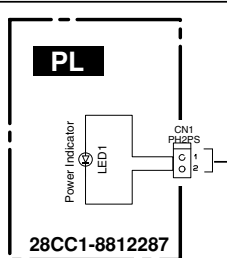
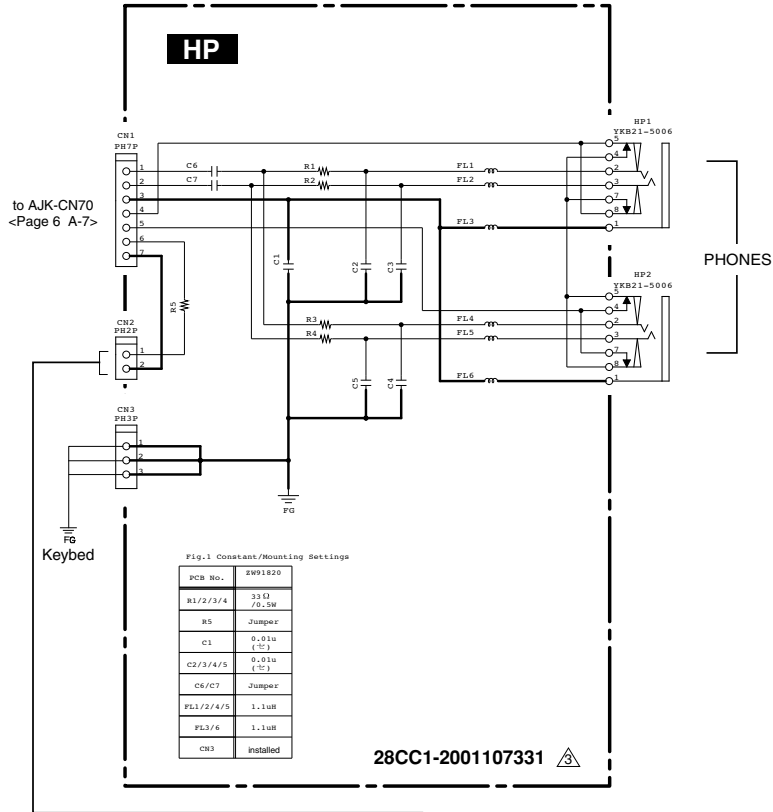
CLP-685B/CLP-685PE/CLP-685PWH

LCD



HP, PEDAL, PJK, PL CIRCUIT DIAGRM (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH



HP, PEDAL, PJK, PL CIRCUIT DIAGRM (CLP-685B/CLP-685PE/CLP-685PWH)

H

G

F

E

D

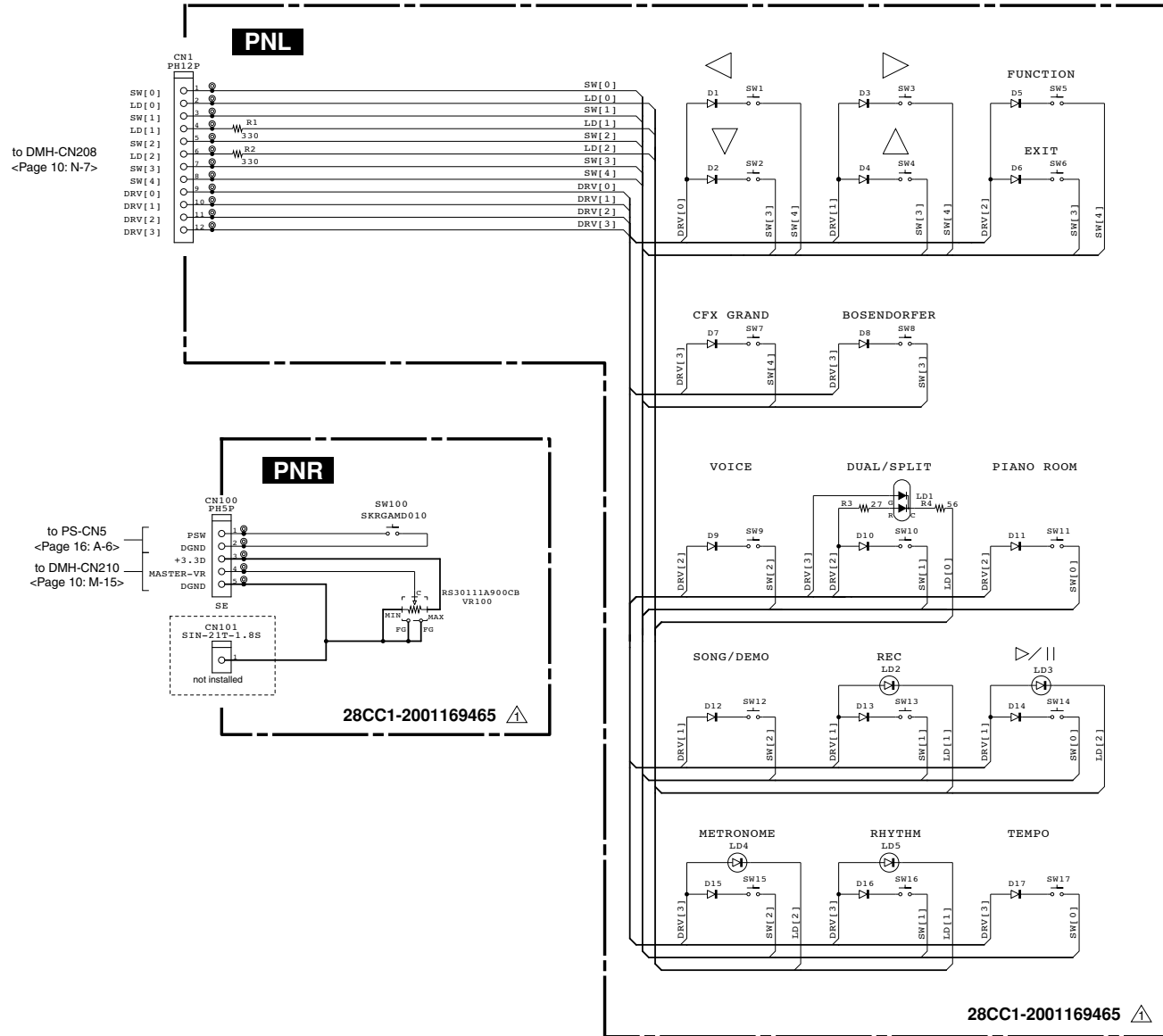
C

B

A

■ PNL, PNR CIRCUIT DIAGRAM (CLP-685B/CLP-685PE/CLP-685PWH)

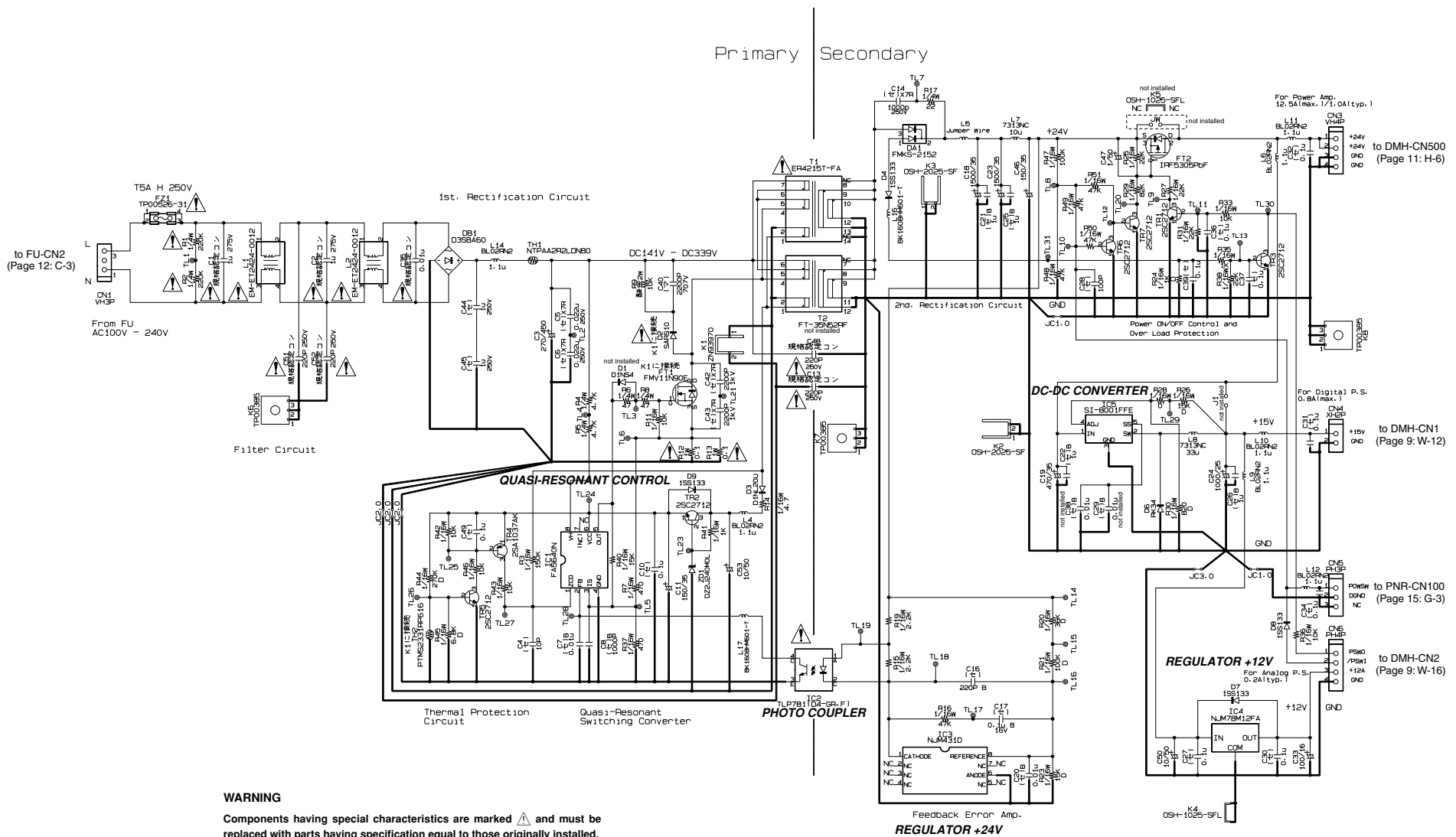
CLP-685B/CLP-685PE/CLP-685PWH



■ PNL, PNR CIRCUIT DIAGRAM (CLP-685B/CLP-685PE/CLP-685PWH)

■ PS CIRCUIT DIAGM (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH



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、安全のために必ず指定の部品をご使用ください。

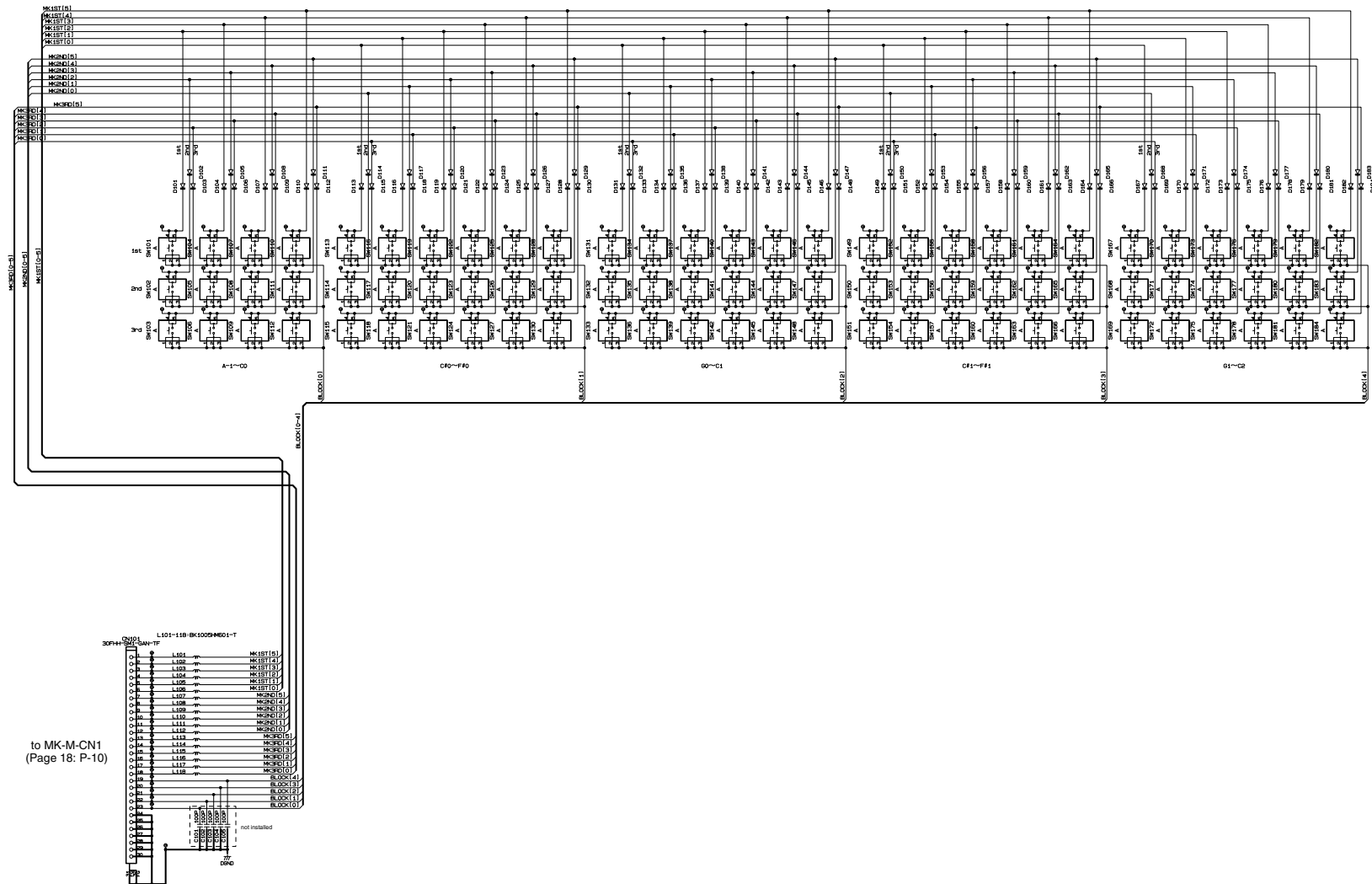
28CC1-2001146296

■ PS CIRCUIT DIAGM (CLP-685B/CLP-685PE/CLP-685PWH)

■ MK-L CIRCUIT DIAGM (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH

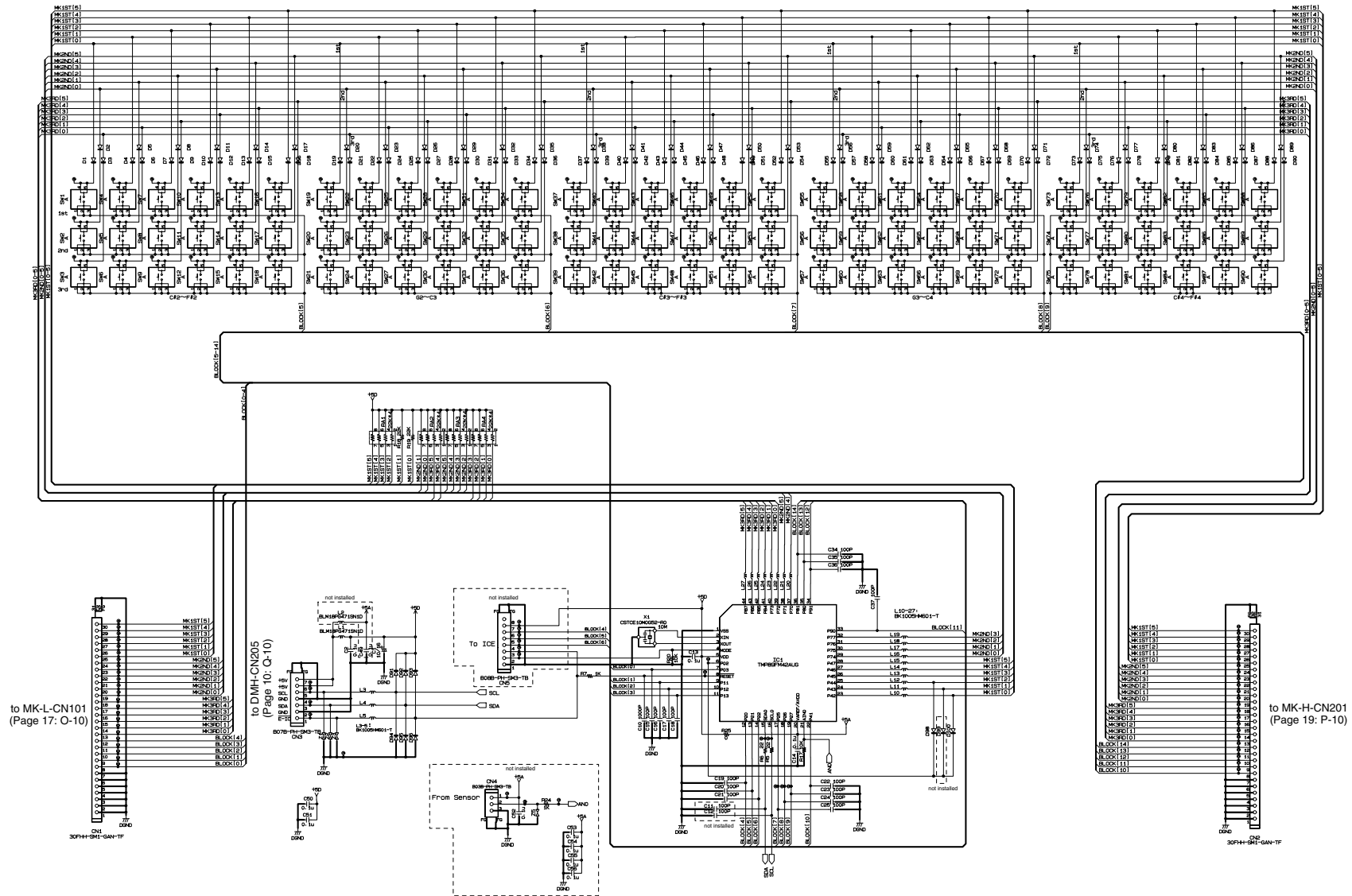
MK-L



■ MK-M CIRCUIT DIAGM (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH

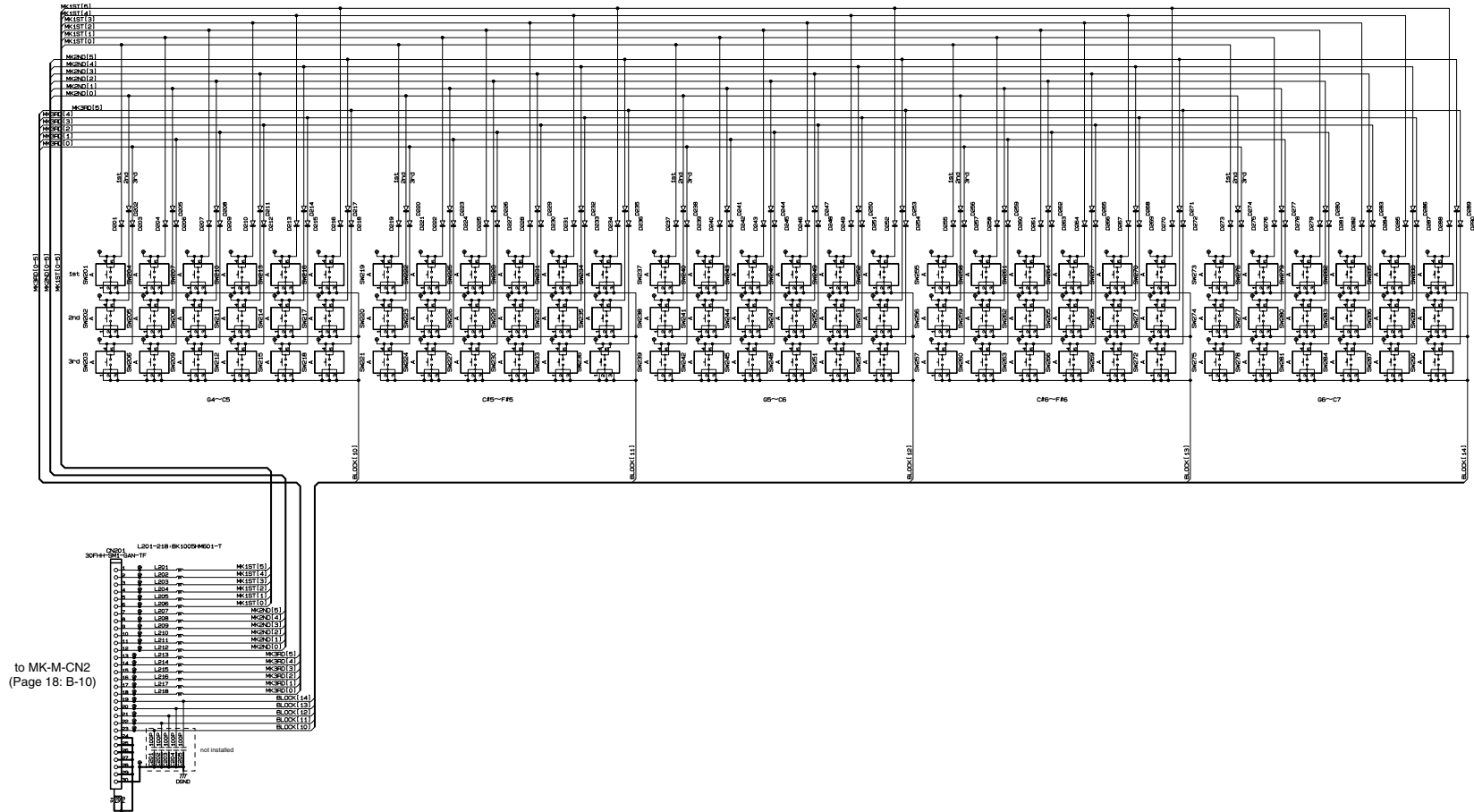
MK-M



■ MK-H CIRCUIT DIAGM (CLP-685B/CLP-685PE/CLP-685PWH)

CLP-685B/CLP-685PE/CLP-685PWH

MK-H



to MK-M-CN2
(Page 18: B-10)