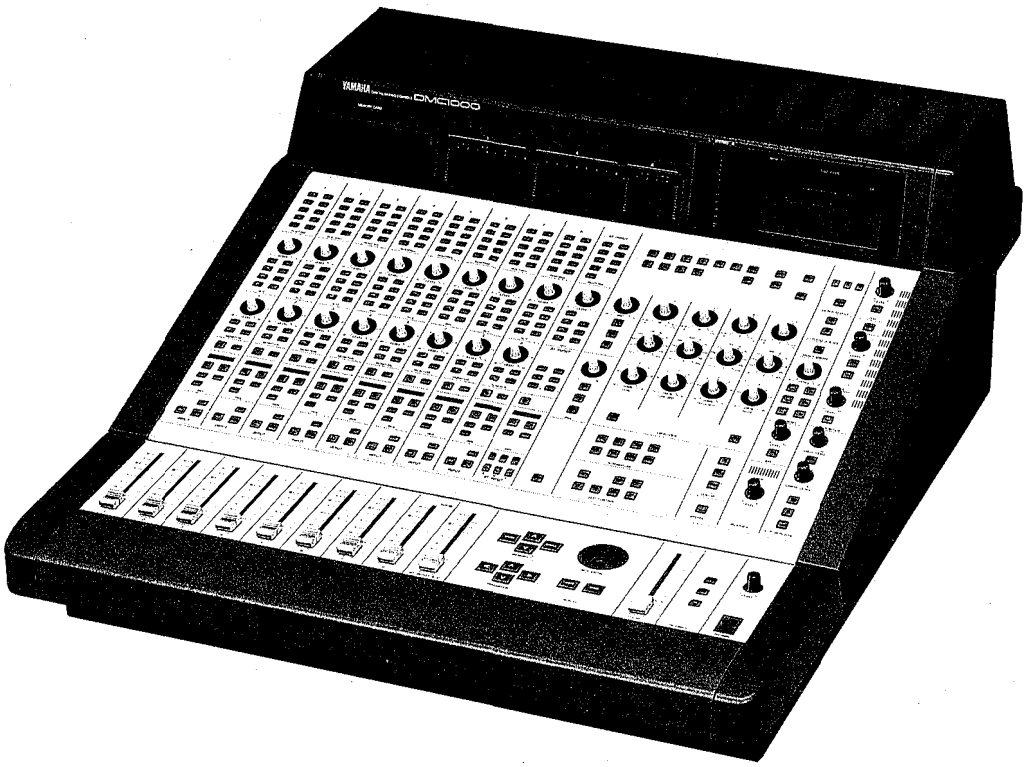
DIGITAL MIXING CONSOLE
DMC1000
SERVICE MANUAL



■ **CONTENTS**

OWNERS MANUAL（取扱説明書）
CIRCUIT BOARD LAYOUT（ユニットレイアウト）
DISASSEMBLY PROCEDURE（分解手順）
LSI PIN DESCRIPTION（LSI端子機能表）
IC BLOCK DIAGRAM（ICブロック図）
CIRCUIT BOARDS（シート基板図）
CONNECTOR TABLE（コネクター表）
BLOCK DIAGRAM
CIRCUIT DIAGRAM（回路図）
PARTS LIST

LM 011056

YAMAHA CORP.
HAMAMATSU, JAPAN
0.32K ⊖ Printed in Japan '91.08

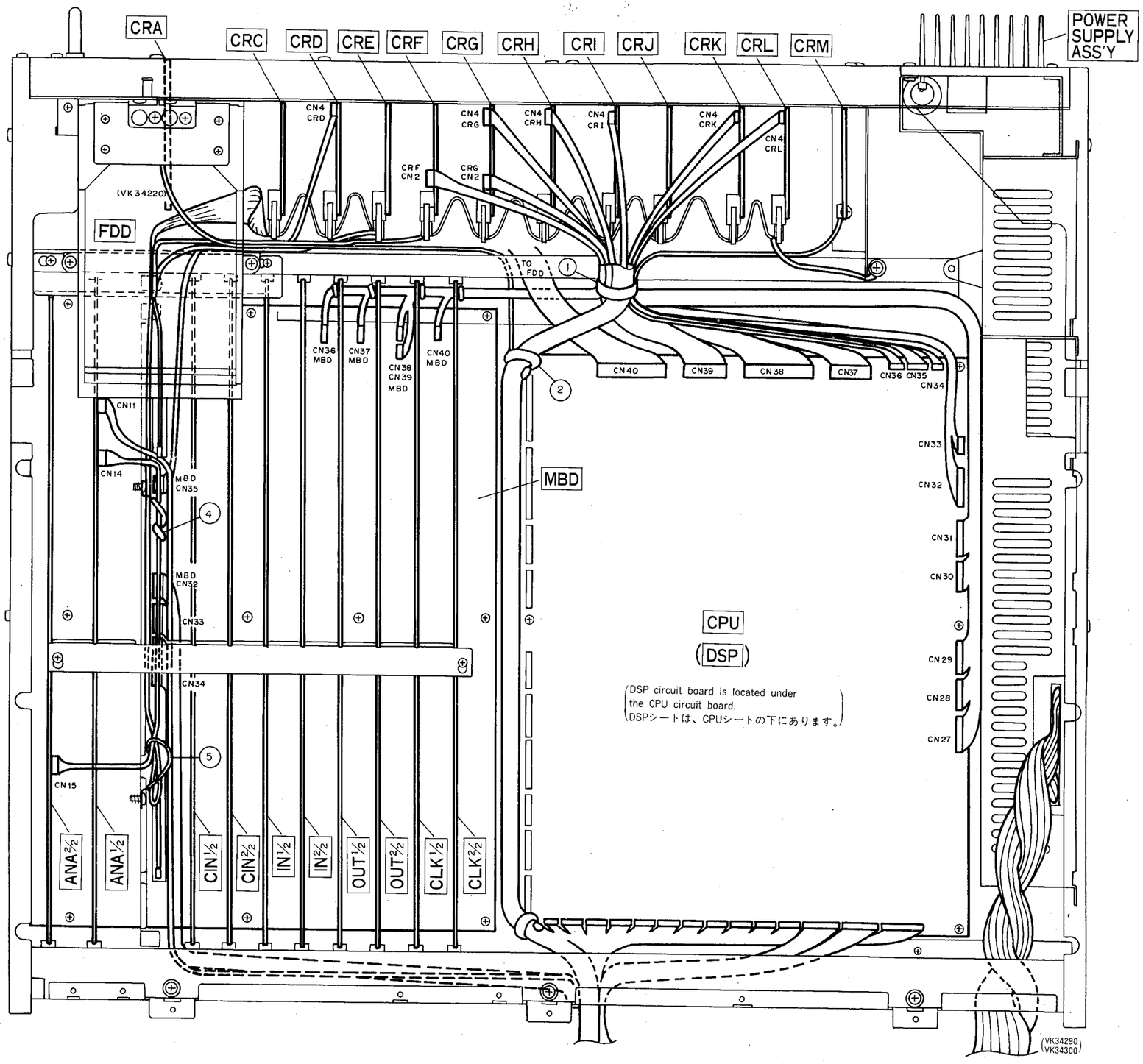
Ⅰ. CIRCUIT BOARD LAYOUT & WIRING

■CONTENTS（目次）

BOTTOM ASSEMBLY ····· Ⅰ-1
PANEL ASSEMBLY ····· Ⅰ-2
FRONT PANEL ASSEMBLY ····· Ⅰ-2

DMC1000

• BOTTOM ASSEMBLY



I-1

- Secure the connector assemblies listed below with cord binders ①–⑤ as shown.
- ①~⑤の束線を止めを用いて、下記のCounector assemblyを結束する。

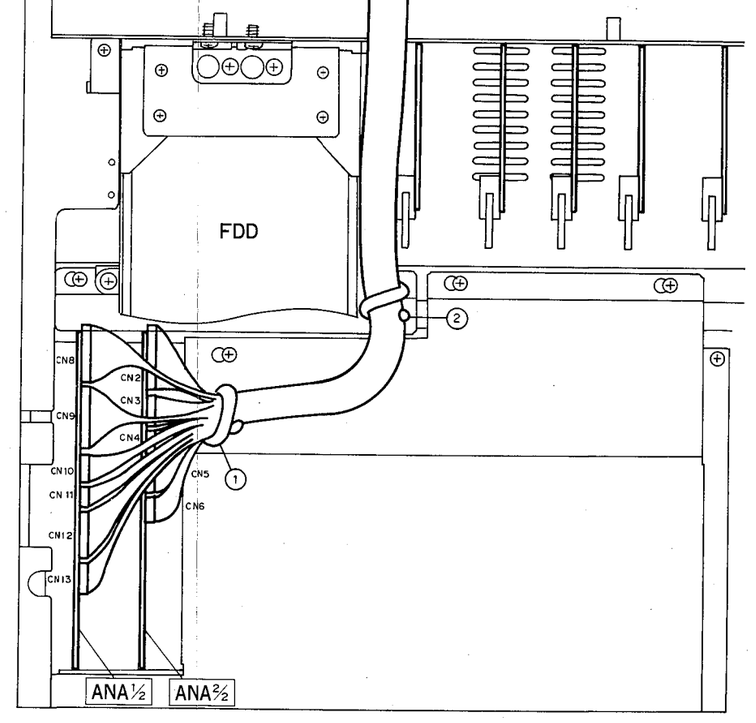
① —— VL28650 VK34200 VL81220
VL28640 VK34180 VL81230
VK29540 VK34210 VL81240
VK29520 VK57630
VK29510 VL81210

②, ③ — VL28650 VK34210
VK34220 VK28930

④, ⑤ — VK62560

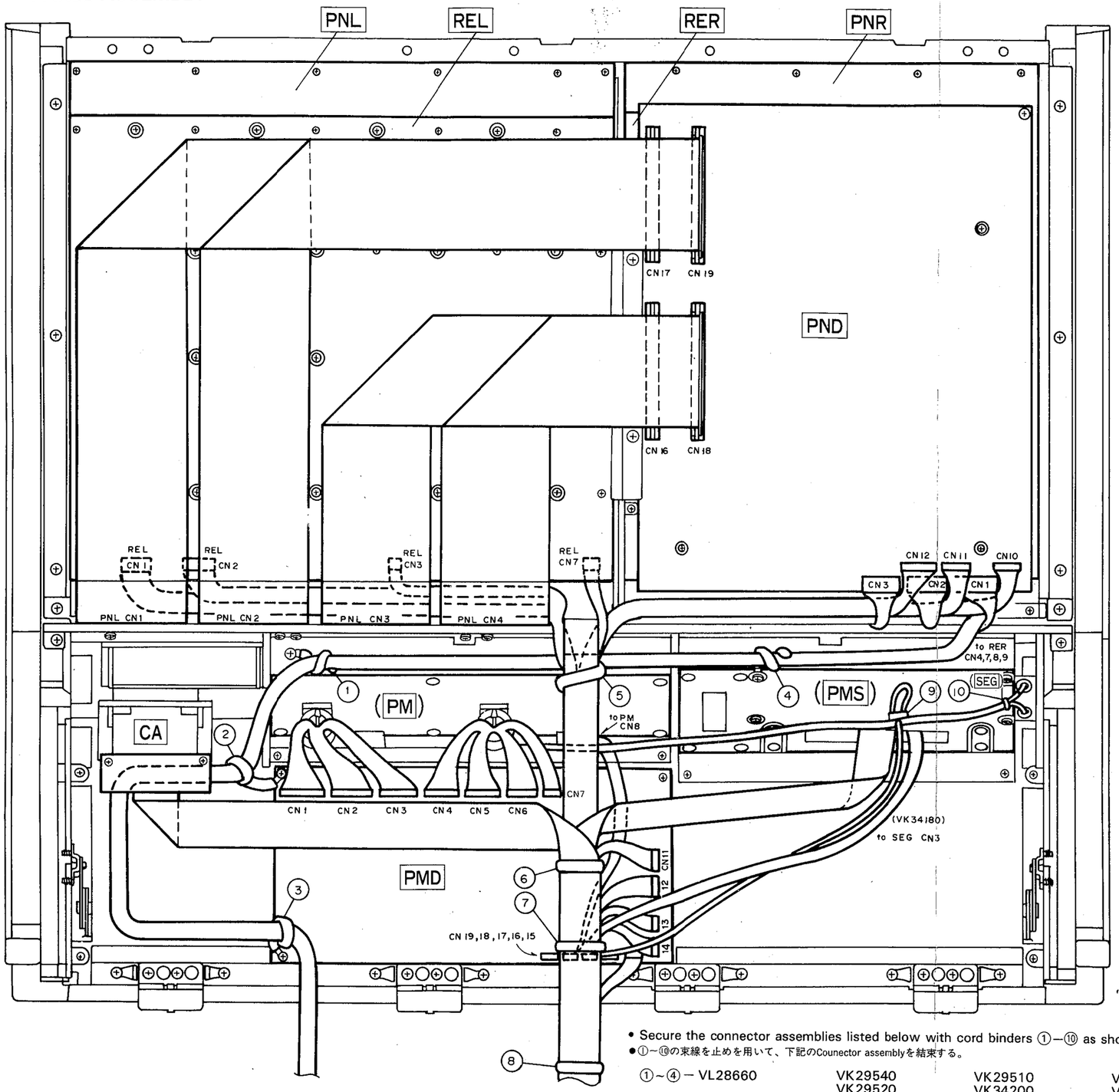
- Secure the connector assemblies listed below with cord binders ①–② as shown.
- ①~②の束線を止めを用いて、下記のCounector assemblyを結束する。

①, ② — VK29660 VL12210 VL12200
VK29670 VL28660 VK34430
VL28660 VK44860 VK62560



I-2

● PANEL ASSEMBLY



- Secure the connector assemblies listed below with cord binders ①—⑩ as shown.
- ①～⑩の束線を止めを用いて、下記のCounector assemblyを結束する。

①～④ — VL28660
VK29540
VK29520
VK29510

⑤ — VL28650
VL28640
VK29540
VK29520

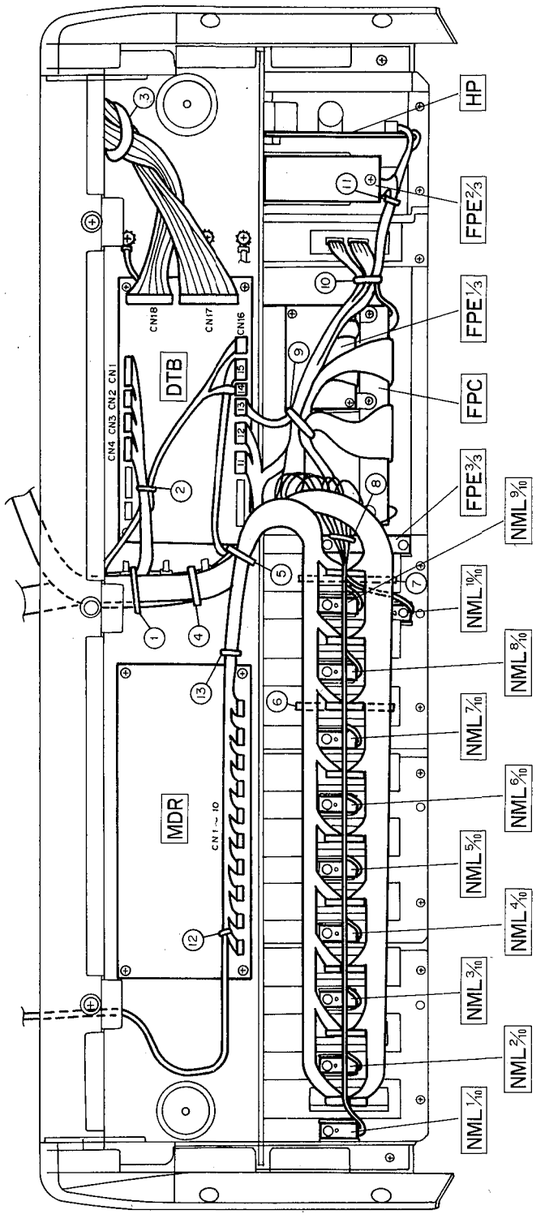
⑥ — VL28650
VL28640

⑦ — VL28650
VL28640
VK29540
VK29520

⑧ — VL28650
VL28640
VK29540
VK29520

⑨, ⑩ — VK44390
VK29510
VK34200
VK34180
VK34210

● FRONT PANEL ASSEMBLY



- Secure the connector assemblies listed below with cord binders ①—⑬ as shown.
- ①～⑬の束線を止めを用いて、下記のCounector assemblyを結束する。

①, ④ — VL28650
VL28610
VK29350

② — VK34210
VK34220
VL28650

③ — VK34290
VK34300

⑤ — VK34280
VL28650
VK34280
VL28600
VL28610

⑥ — VL28610
VL28600
VK27260
VK27270
VK27280
VK27290
VK27300
VK27310
VK27320

⑦ — VL28610
VL28600
VK27260
VK27270
VK27290
VK27300
VK27310
VK27320
VK27330
VK27340

⑧ — VK27260
VK27270
VK27280
VK27280
VK27290
VK27300
VK27310
VK27320
VK27330
VK27340

⑨ — VK34430
VK34280
VK34280
VL28600
VL28610
VL28650

⑩ — VK34430
VK34280
VK57680
VL28600
VL28610

⑪ — VK34430
VK34280
VK57680

⑫, ⑬ — VK34430
VL28600

II. DISASSEMBLY PROCEDURE (分解手順)

■ CONTENTS

1. Precautions regarding operation II-1
2. Opening the main unit II-1
3. Removing the power supply unit II-3
4. Removing the CPU circuit board II-4
5. Removing the DSP circuit board II-5
6. Removing the FDD II-6
7. Removing the circuit boards: ANA1/2, ANA2/2, CIN1/2, CIN2/2, IN1/2, IN2/2, OUT1/2, OUT2/2, CLK1/2 and CLK2/2 ... II-6
8. Removing the MBD circuit board II-7
9. Removing the CRA circuit board II-7
10. How to remove the Cannon connector assembly II-7
11. Removing the circuit boards: CRC, CRD, CRE, CRF, CRG, CRH, CRI, CRJ, CRK, CRL and CRM II-8
12. Removing the PND circuit board II-9
13. Removing the RER circuit board II-10
14. Removing the PNR circuit board II-11
15. Removing the REL circuit board II-11
16. Removing the PNL circuit board II-11
17. Removing the PM circuit board II-12
18. Removing the LCD assembly, SEG circuit board, and PMS circuit board II-12
19. Removing the PMD circuit board II-13
20. Removing the CA circuit board II-13
21. Opening the front panel assembly II-13
22. Removing the DTB circuit board II-14
23. Removing the MDR circuit board II-14
24. Removing the NML circuit boards 1/10~10/10 and the faders (1)~(9) II-15
25. Removing the FPE3/3 circuit board II-15
26. Removing the fader-(10) II-16
27. Removing the FPC circuit board and the FPE1/3 circuit board II-16
28. Removing the FPE2/3 circuit board and HP circuit board II-17
29. Removing the push button assembly, controls, and top cap assembly II-18
- Special parts for service II-19

■ 目次

1. 作業上の注意……II－1
2. 本体の開け方……II－1
3. 電源ユニットの外し方……II－3
4. CPUシートの外し方……II－4
5. DSPシートの外し方……II－5
6. FDDの外し方……II－6
7. ANA1/2、ANA2/2、CIN1/2、CIN2/2、IN1/2、IN2/2、OUT1/2、OUT2/2、CLK1/2、CLK2/2 シートの外し方……II－6
8. MBDシートの外し方……II－7
9. CRAシートの外し方……II－7
10. キャノンコネクタAss'yの外し方……II－7
11. CRC、CRD、CRE、CRF、CRG、CRH、CRI、CRJ、CRK、CRL、CRMシートの外し方……II－8
12. PNDシートの外し方……II－9
13. RERシートの外し方……II－10
14. PNRシートの外し方……II－11
15. RELシートの外し方……II－11
16. PNLシートの外し方……II－11
17. PMシートの外し方……II－12
18. LCDAss'y、SEGシート、PMSシートの外し方…II－12
19. PMDシートの外し方……II－13
20. CAシートの外し方……II－13
21. フロントパネルAss'yの開け方……II－13
22. DTBシートの外し方……II－14
23. MDRシートの外し方……II－14
24. NMLシート1/10～10/10、フェーダー(1)～(9) の外し方……II－15
25. FPE3/3シートの外し方……II－15
26. フェーダー(10)の外し方……II－16
27. FPCシート、FPE1/3シートの外し方……II－16
28. FPE2/3シート、HPシートの外し方……II－17
29. プッシュボタンAss'y、ツマミ類、トップキャップAss'y、の外し方……II－18
- サービス専用部品の使い方……II－19

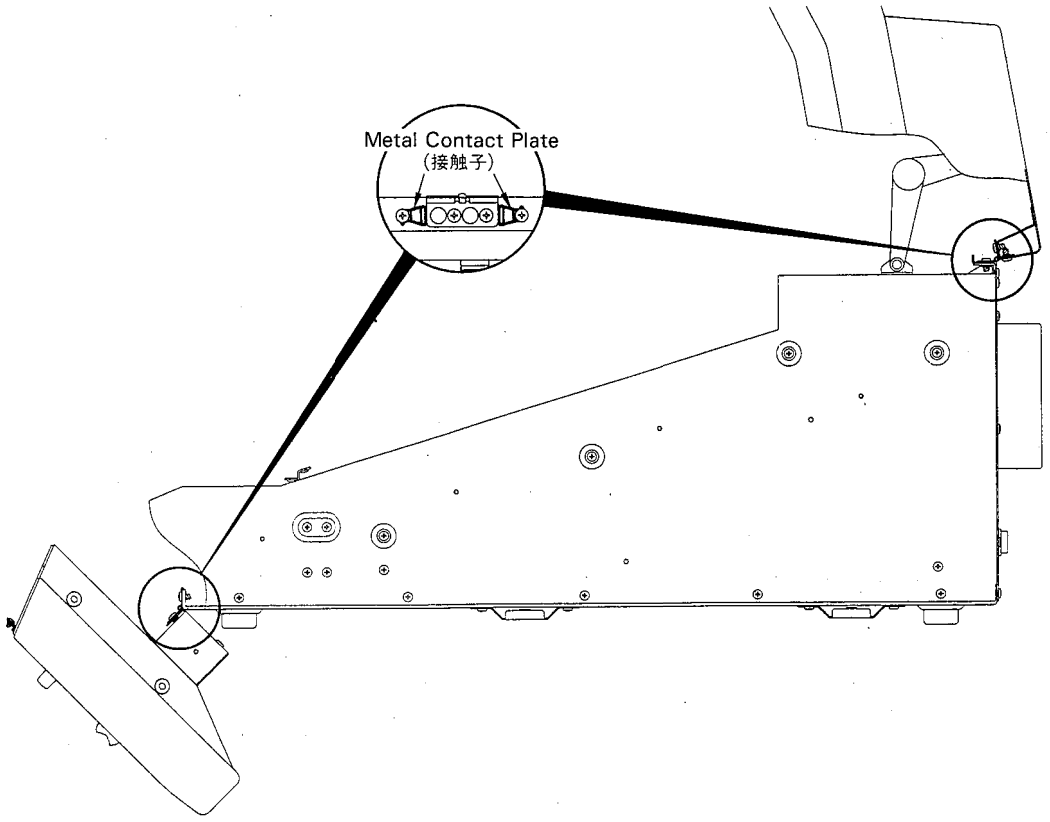
1. Precautions regarding operation

Make sure that during the operation, no cables or fingers come in contact with the metal contact plate, which is used for grounding, to avoid bending it. (Fig. 1)

During disassembly operations of the panel assembly use a piece of cloth to cover the circuit boards of the bottom assembly since it is possible for some screws to drop down.

1.作業上の注意

- アースとして使用している接触子に束線や指を引っ掛けて、曲げたりしないように注意して作業を進めて下さい。(図1)
- パネルAss'yの分解作業中、ネジが本体内に落ちることがありますから、ボトムAss'yの上に布などをかぶせて作業して下さい。



(Fig. 1)

2. Opening the main unit

2-1. Remove the display plate by sliding it horizontally, remove the three(3) screws marked ⑨⓪ and remove the display sash. (Fig. 2)

2-2. Remove the four (4) screws marked ⑯⓪ fixing the panel. (Fig. 2)

2-3. Remove the six (6) screws marked ⑭⓪ (three each on both the right and left sides) that hold the panel to the side of the main unit,lift the panel assembly from the front until it comes to rest. Lock the hinge on the left and right side securely as shown in figure 4 to fix the panel assembly in position. (Fig. 3 and 4)

2-4. The panel assembly can be fixed by using a stay (TX800230) that is provided as a service part. In such a case, make sure that the stay fits properly in the mounting hole and is not pulled out before moving on to the next operation. (See "Special parts for service")

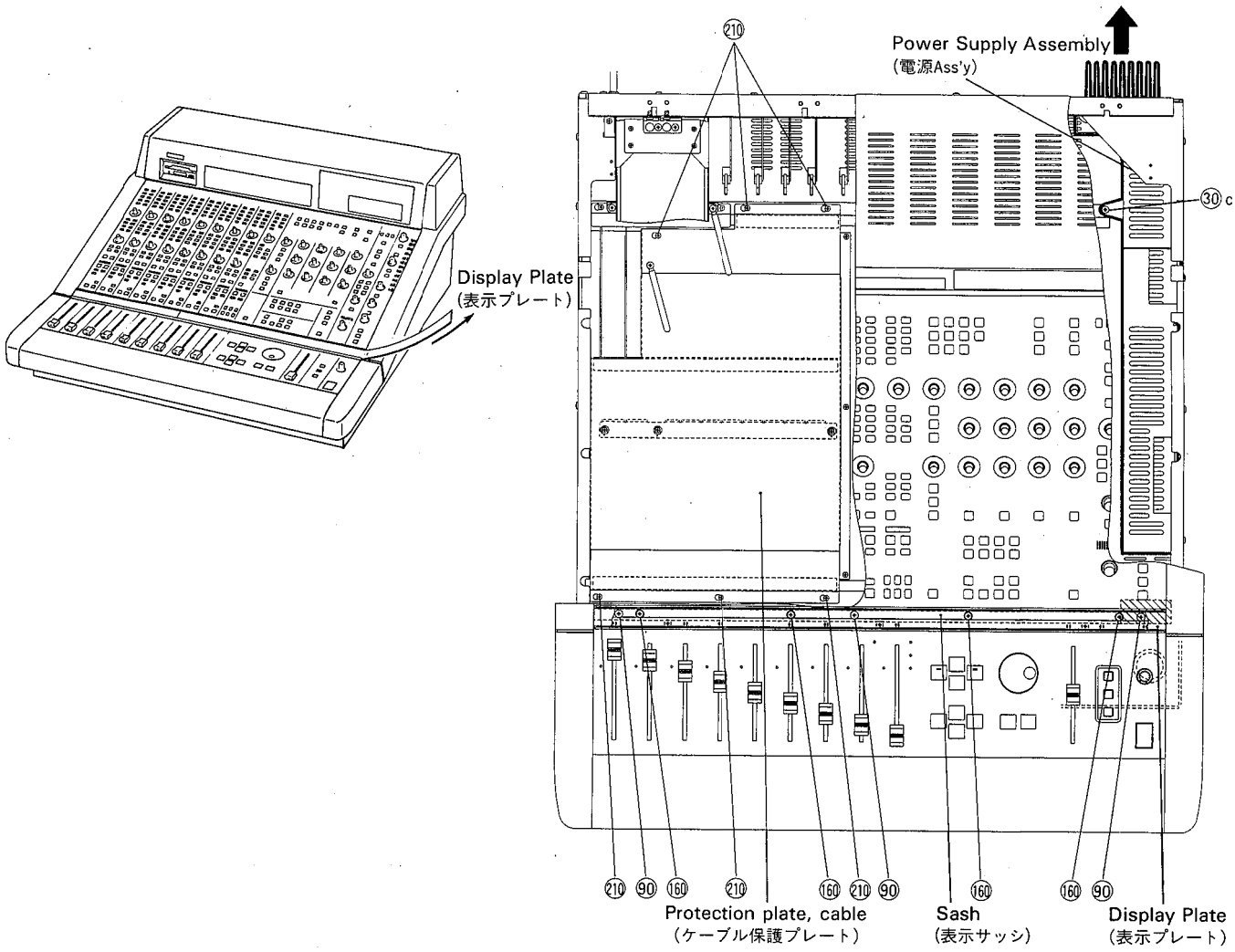
2.本体の開け方

2-1.表示プレートを横にスライドさせて取り外し、⑨⓪のネジ3本を外して、表示サッシを取り外します。(図2)

2-2.パネルを固定している⑯⓪のネジ4本を外します。(図2)

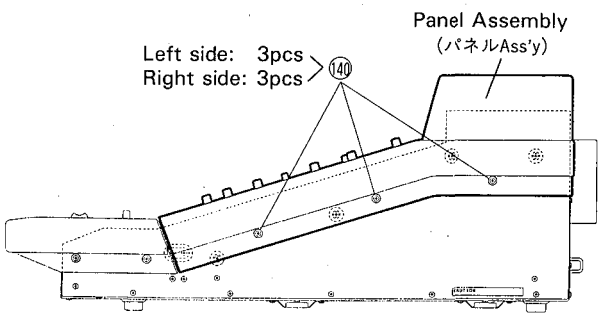
2-3.本体の横側でパネルを止めている⑭⓪のネジ6本(左右3本ずつ)を外してパネルAss'yの手前側を持ち上げ、止まるところまで開けます。左右のストップステイを図4で示すように、しっかりロックしてパネルAss'yを固定します。(図3、4)

2-4.サービス用の部品として準備されているステイ(TX800230)を使用して、パネルAss'yを固定することもできます。このとき、ステイが取り付け穴にしっかり入って抜けないことを十分に確認してから、その後の作業を行って下さい。(サービス専用部品の使い方参照)



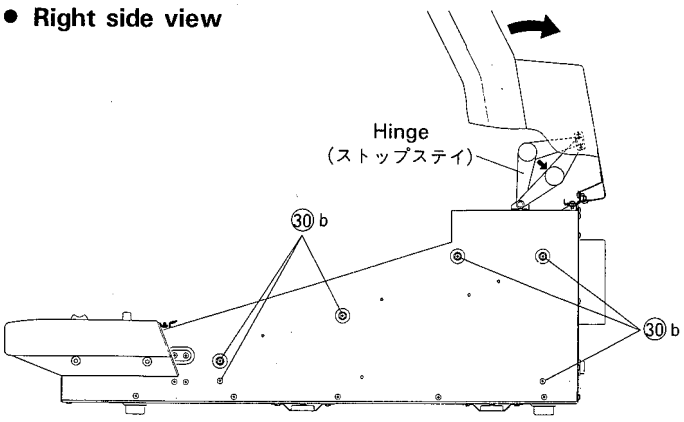
(Fig. 2)

● **Right side view**



(Fig. 3)

● **Right side view**



(Fig. 4)

3. Removing the power supply unit

3-1. Open the main unit. (see procedure 1)

3-2. Remove the fourteen (14) screws in total; the seven (7) screws marked ㉚a from the rear panel, the six (6) screws marked ㉚b on the right side of the main unit and one screw marked ㉚c inside the main unit, pull out the connector, and remove the power supply assembly as if you pulled it from the rear side. (Fig. 2, 4, and 5)

3-3. Remove the power supply panel from the unit by removing the four (4) screws marked ㉚d , one screw marked ⑩⓪ , and by pulling out the power switch connector. (Fig. 6)

* The plastic foot marked ⑬⓪ is not a part that belongs to the power supply unit. Make sure that you remove it when replacing the power supply unit.

3.電源ユニットの外し方

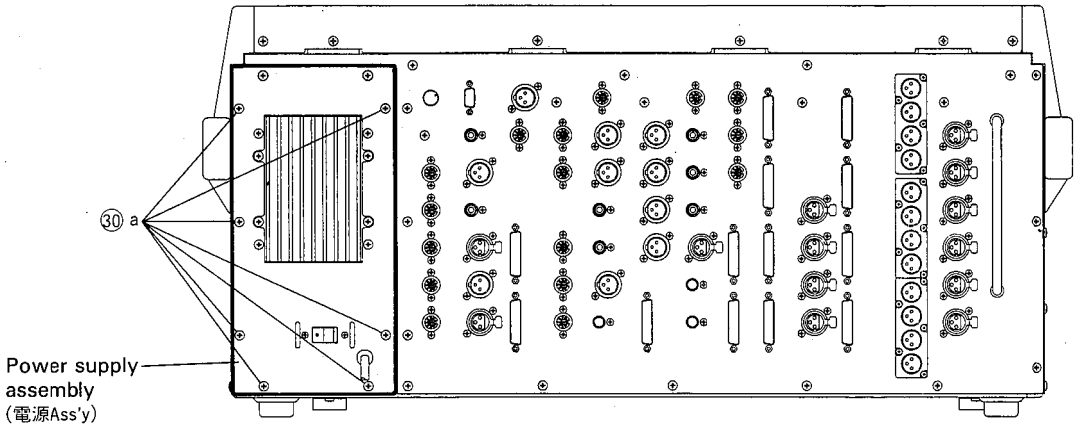
3-1.本体を開けます。(1項参照)

3-2.リアパネル側の㉚aのネジ7本と、本体右横の㉚bのネジ6本と本体内の㉚cのネジ1本の合計14本のネジを外し、コネクターを抜いて電源Ass'yをリア側より引き抜くようにして取り外します。(図2、4、5)

3-3.㉚dのネジ4本と⑩⓪のネジ1本を外し、パワースイッチのコネクターを抜いて電源パネルを電源ユニットから外します。(図6)

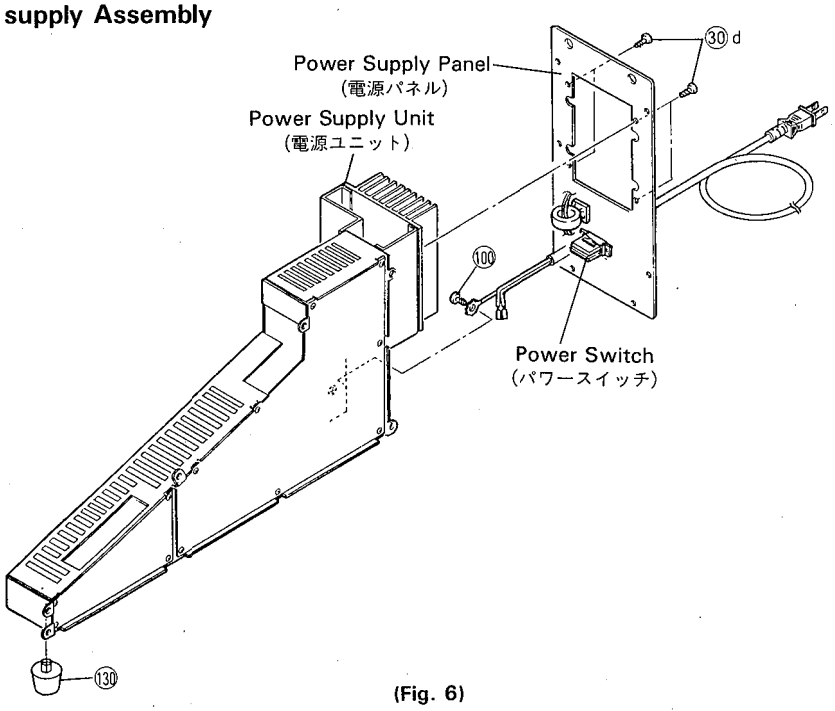
* ⑬⓪のプラスチックフットは、電源ユニットの構成部品ではありません。電源ユニットの交換の際には、忘れずに外して下さい。

● **Rear view**



(Fig. 5)

● **Power supply Assembly**



(Fig. 6)

4. Removing the CPU circuit board

4-1. Open the main unit (see procedure 1)

4-2. Remove the CPU circuit board by removing the six (6) screws marked ⑳ , and by pulling out the connector. (Fig. 7)

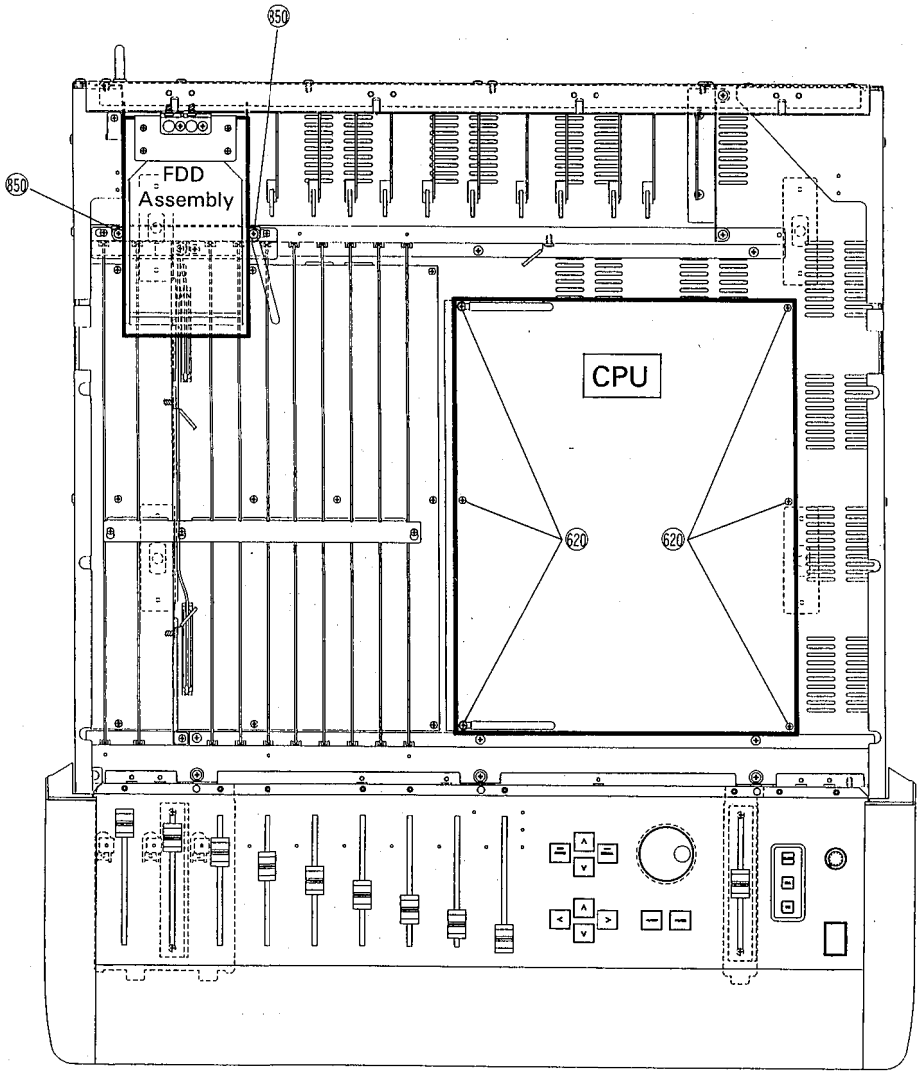
* Make sure that you do not make any mistakes when re-connecting the connectors during reassembly. Connect connectors with the same letters; these can be found at the end of the connector number printed on the circuit board. (eg. CN8P → CN28P)
A similar number is printed near the connectors on DSP and MBD circuit boards.

4.CPUシートの外し方

4-1.本体を開けます。(1項参照)

4-2.⑳のネジ6本を外し、コネクターを抜いてCPUシートを取り外します。(図7)

＊シートを取り付ける時、コネクターの接続を間違えないように注意して下さい。CN8P→CN28Pのように基板に印刷されているコネクター番号の末尾のアルファベットが同じもの同志を接続します。
DSPシートとMBDシートのコネクター付近にも同様の印刷があります。



(Fig. 7)

5. Removing the DSP circuit board

5-1. Open the main unit. (see procedure 1)

5-2. Remove the six (6) screws marked ⑥20 , lift the CPU circuit board up to inner side as shown in Fig. 8. (You do not have to remove the connector.) (Fig. 7 and 8)

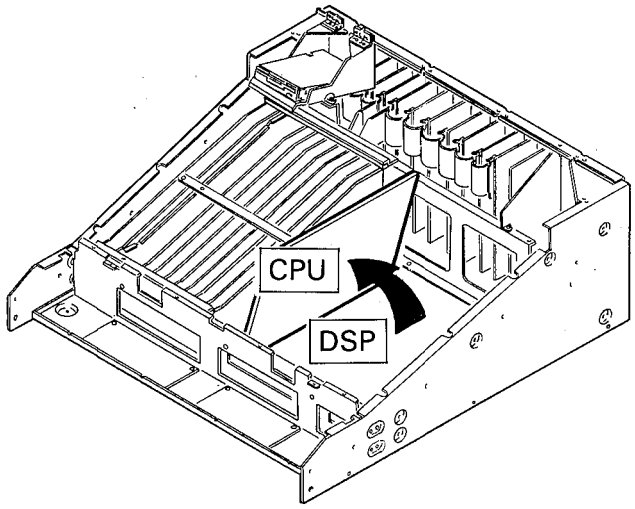
5-3. Remove the DSP circuit board by removing the six (6) supports marked ⑥00 using a 5.5 m/m hex driver, and by pulling out the connector. (Fig. 9)

5.DSPシートの外し方

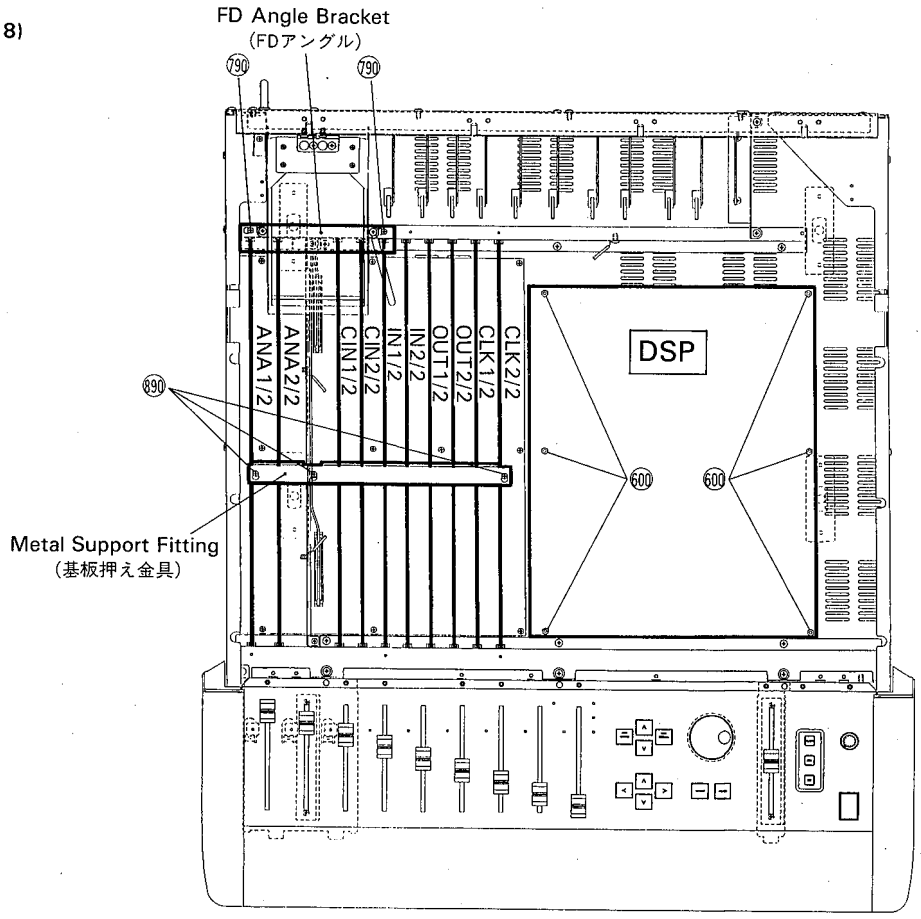
5-1.本体を開けます。(1項参照)

5-2.⑥20 のネジ6本を外し、CPUシートを図8のように内側に起こします。(コネクターを外す必要はありません) (図7、8)

5-3.5.5m/mのボックスレンチを使って⑥00 のサポート6本を外し、コネクターを抜いてDSPシートを外します。(図9)



(Fig. 8)



(Fig. 9)

6. Removing the FDD

6-1. Open the main unit. (see procedure 1)
6-2. Remove the two (2) screws marked ⑧⑤⓪ , lift the FDD together with the FDD sub-panel, and secure them with the FDD stopper. (Fig. 7 and 10)
6-3. Remove the two (2) connectors from the FDD and the four (4) screws marked ⑧④⓪ and remove the FDD. (Fig. 11)

7. Removing the circuit boards: ANA1/2, ANA2/2, CIN1/2, CIN2/2, IN1/2, IN2/2, OUT1/2, OUT2/2, CLK1/2, and CLK2/2.

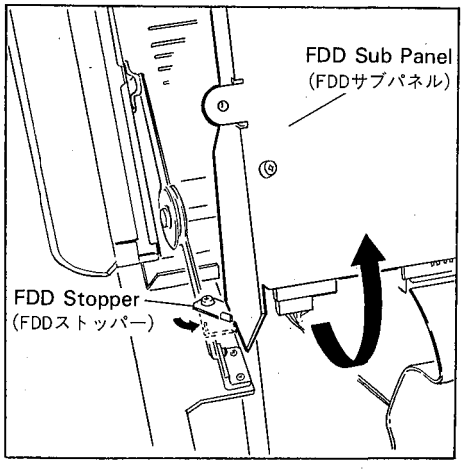
7-1. Open the main unit. (see procedure 1)
7-2. Lift the FDD. (see procedure 6-2)
7-3. Remove the FDD angle bracket by loosening the two (2) screws marked ⑦⑨⓪ . (Fig. 9)
7-4. Remove the cable protection plate by removing the six (6) screws marked ②①⓪ . (Fig. 2)
7-5. Remove the metal support fitting of the circuit board by loosening the three (3) screws marked ⑧⑨⓪ . (Fig. 9)
7-6. Remove each circuit board from the MBD circuit board by pulling them up. (Remove the ANA1/2 and ANA2/2 circuit boards after pulling out the connectors.)
* When replacing the removed circuit boards, check the circuit board names printed on the MBD circuit board and place them in the right place.

6.FDDの外し方

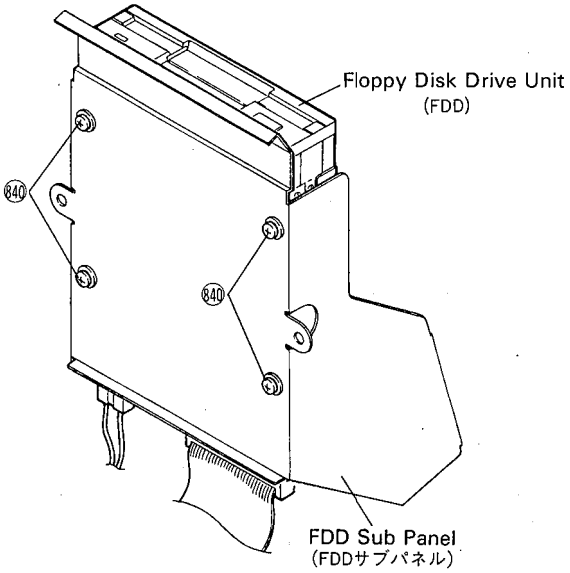
6-1.本体を開けます。(1項参照)
6-2.⑧⑤⓪のネジ2本を外し、FDDサブパネルと共にFDDを上に起こしてFDDストッパーで止めます。(図7、10)
6-3.FDDのコネクター2個を外し、⑧④⓪のネジ4本を外してFDDを取り外します。(図11)

7.ANA1/2、ANA2/2、CIN1/2、CIN2/2、IN1/2、IN2/2、OUT1/2、OUT2/2、CLK1/2、CLK2/2シートの外し方

7-1.本体を開けます。(1項参照)
7-2.FDDを上に起こします。(6-2項参照)
7-3.⑦⑨⓪のネジ2本をゆるめて、FDアングルを取り外します。(図9)
7-4.②①⓪のネジ6本を外し、ケーブル保護プレートを取り外します。(図2)
7-5.⑧⑨⓪のネジ3本をゆるめて、基板押え金具を取り外します。(図9)
7-6.それぞれのシートを上に引き抜いてMBDシートから取り外します。(ANA1/2とANA2/2シートは、コネクターを抜いてからシートを外して下さい。)
＊抜いたシートを再び取り付ける時は、ＭＢＤシートに印刷されているシート名を確認し、正しい位置にシートを取り付けて下さい。



(Fig. 10)



(Fig. 11)

8. Removing the MBD circuit board

8-1. Open the main unit. (see procedure 1)

8-2. Remove the circuit boards: ANA1/2, ANA2/2, CIN1/2, CIN2/2, IN1/2, IN2/2, OUT1/2, OUT2/2, CLK1/2, and CLK2/2. (see procedure 7)

8-3. Remove the shielding plate by removing the two (2) screws marked ⑨④⓪ . (Fig. 12)

8-4. Remove the MBD circuit board by removing the ten (10) screws marked ⑥④⓪ and by pulling out the connector. (Fig. 12)

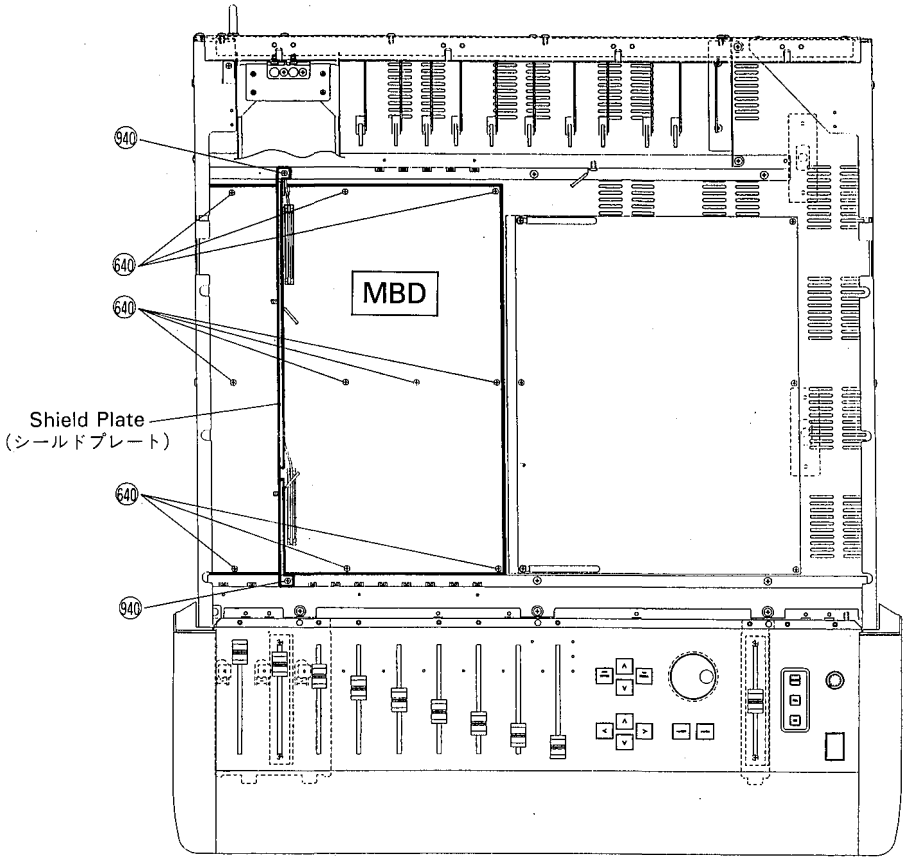
8.MBDシートの外し方

8-1.本体を開けます。(1項参照)

8-2.ANA1/2、ANA2/2、CIN1/2、CIN2/2、IN1/2、IN2/2、OUT1/2、OUT2/2、CLK1/2、CLK2/2シートを取り外します。(7項参照)

8-3.⑨④⓪のネジ2本を外して、シールドプレートを外します。(図12)

8-4.⑥④⓪のネジ10本を外し、コネクターを抜いてMBDシートを取り外します。(図12)



(Fig. 12)

9. Removing the CRA circuit board

9-1. Open the main unit. (see procedure 1)

9-2. Lift the FDD. (see procedure 6-2)

9-3. Remove the CRA circuit board by removing the one screw marked ②⓪⓪ and the twelve (12) screws marked ②①⓪ and by pulling out the connector. (Fig. 13)

10. How to remove the Cannon connector assembly

10-1. Open the main unit. (see procedure 1)

10-2. Lift the FDD. (see procedure 6-2)

10-3. Any of the Cannon connector assemblies can be removed by removing the five (5) screws marked ②③⓪ on the rear panel. (Fig. 13)

9.CRAシートの外し方

9-1.本体を開けます。(1項参照)

9-2.FDDを上に起こします。(6-2項参照)

9-3.リアパネル側の②⓪⓪のネジ1本と②①⓪のネジ12本を外し、コネクターを抜いてCRAシートを外します。(図13)

10.キャノンコネクタAss'yの外し方

10-1.本体を開けます。(1項参照)

10-2.FDDを上に起こします。(6-2項参照)

10-3.いずれのキャノンコネクタAss'yも、リアパネル側の②③⓪のネジ5本を外すと、外すことができます。(図13)

11. Removing the circuit boards: CRC, CRD, CRE, CRF, CRG, CRH, CRI, CRJ, CRK, CRL, and CRM.

11-1. Open the main unit. (see procedure 1)

11-2. Pull out the flat cable connector that is attached to the CRC～CRM circuit boards.

11-3. Remove the CRC～CRM circuit boards by removing the control and screws (see the list of the screws) that are holding all the circuit boards inside the rear panel and by pulling out the connector. (Fig. 13)

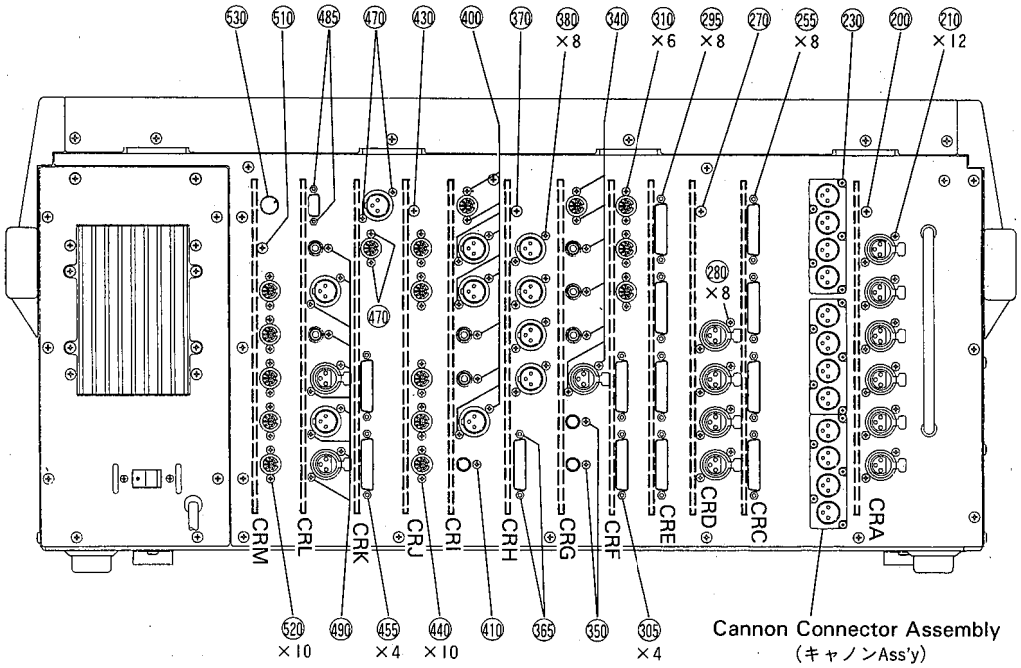
11.CRC、CRD、CRE、CRF、CRG、CRH、CRI、CRJ、CRK、CRL、CRMシートの外し方

11-1.本体を開けます。(1項参照)

11-2.CRCシート～CRMシートに付いているフラットケーブルのコネクターを抜きます。

11-3.それぞれのシートを止めているリアパネル側のネジやツマミ(ネジ一覧参照)を外し、コネクターを抜いてCRCシート～CRMシートをそれぞれ取り外します。(図13)

● **Rear view**



(Fig. 13)

(List of the screws)

- CRC : eight (8) screws marked ㉕
- CRD : one screw marked ㉗ and eight (8) screws marked ㉘
- CRE : eight (8) screws marked ㉙
- CRF : four (4) screws marked ㉚ and six (6) screws marked ㉛
- CRG : seven (7) screws marked ㉞ and two screws marked ㉟
- CRH : two (2) screws marked ㊱ , one screw marked ㊲ , and eight (8) screws marked ㊳
- CRI : ten (10) screws marked ㊵ and one screw marked ㊶
- CRJ : one screw marked ㊸ and ten (10) screws marked ㊹
- CRK : four (4) screws marked ㊺ and four (4) screws marked ㊼
- CRL : two screws marked ㊽ and ten (10) screws marked ㊾
- CRM : one control marked ㊿ , one screw marked ⑤⑩ and ten (10) screws marked ⑤⑳

<ネジ一覧>

- CRC： ㉕のネジ8本
- CRD： ㉗のネジ1本、 ㉘のネジ8本
- CRE： ㉙のネジ8本
- CRF： ㉚のネジ4本、 ㉛のネジ6本
- CRG： ㉞のネジ7本、 ㉟のネジ2本
- CRH： ㊱のネジ2本、 ㊲のネジ1本、 ㊳のネジ8本
- CRI： ㊵のネジ10本、 ㊶のネジ1本
- CRJ： ㊸のネジ1本、 ㊹のネジ10本
- CRK： ㊺のネジ4本、 ㊼のネジ4本
- CRL： ㊽のネジ2本、 ㊾のネジ10本
- CRM： ㊿のツマミ1個、 ⑤⑩のネジ1本、 ⑤⑳のネジ10本

12. Removing the PND circuit board

12-1. Open the main unit. (see procedure 1)

12-2. Remove the circuit board metal fitting-(B2) by removing the three (3) screws marked (1690) . (Fig. 14)

12-3. Remove the PND circuit board by removing the one screw marked (1660) and the four (4) screws marked (1345) and by pulling out the connector. (Fig. 14)

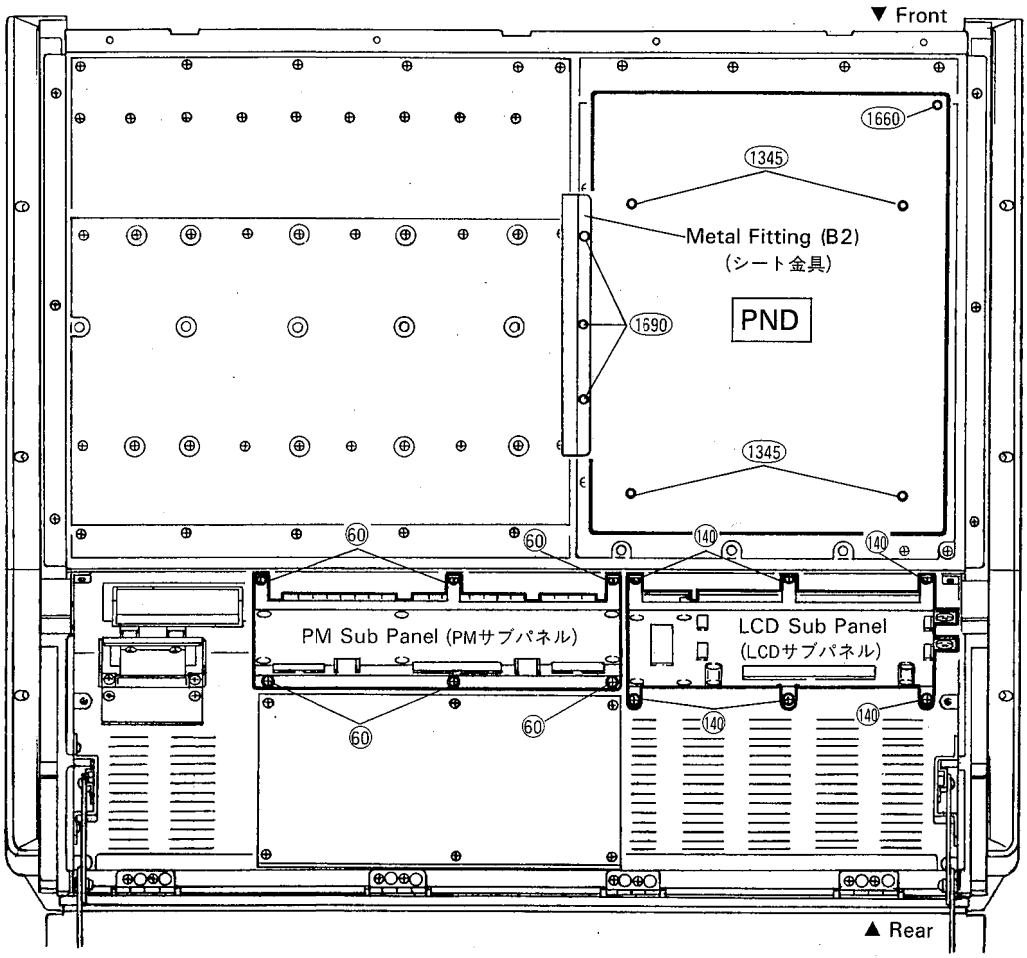
12.PNDシートの外し方

12-1.本体を開けます。(1項参照)

12-2.(1690)のネジ3本を外して、シート金具(B2)を外します。(図14)

12-3.(1660)のネジ1本と(1345)のネジ4本を外し、コネクターを抜いてPNDシートを取り外します。(図14)

● **Panel Assembly (Bottom View)**



(Fig. 14)

13. Removing the RER circuit board

13-1. Open the main unit. (see procedure 1)

13-2. Remove the PND circuit board. (see procedure 12)

13-3. Remove the RER circuit board together with the shielded plate and PNR angle bracket by removing the one screw marked (1700) , the two (2) screws marked (1710) , and the five (5) screws marked (1310) and by pulling out the connector. (Fig. 15)

13-4. Pull out the seven (7) controls marked (1480) and the fifteen (15) controls marked (1490) . (Fig. 16)

13-5. Remove the shielded plate, the metal board fitting-(B1) and the metal board fitting-(A) from the RER circuit board by removing the eight (8) screws marked (1315) . (Fig. 16)

13-6. Remove the RER circuit board from PNR angle bracket by loosening the 22 hexagon nuts marked (1320) . (Fig. 16)

13.RERシートの外し方

13-1.本体を開けます。(1項参照)

13-2.PNDシートを取り外します。(12項参照)

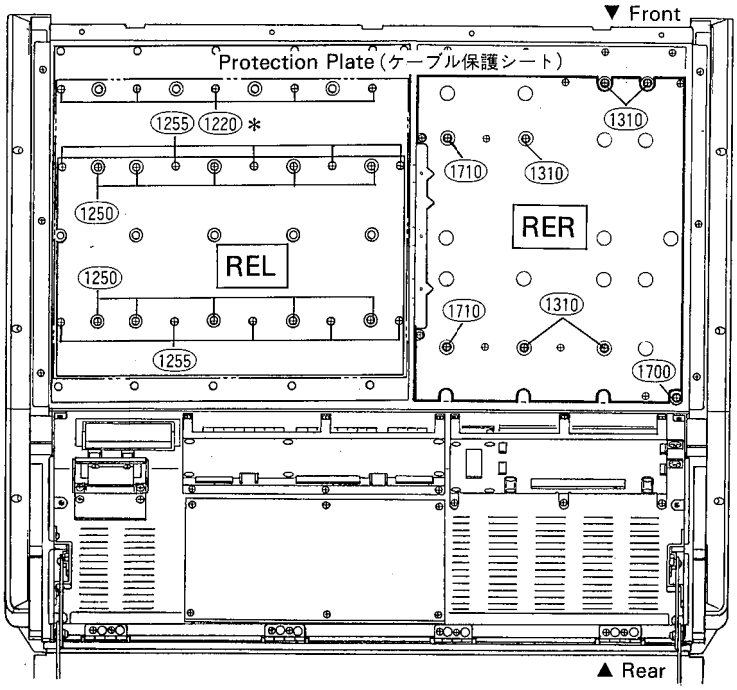
13-3.(1700)のネジ1本と(1710)のネジ2本と(1310)のネジ5本を外し、コネクターを抜いてシールドプレートとPNRアングルと共にRERシートを外します。(図15)

13-4.(1480)のツマミ7個と(1490)のツマミ15個を抜き取ります。(図16)

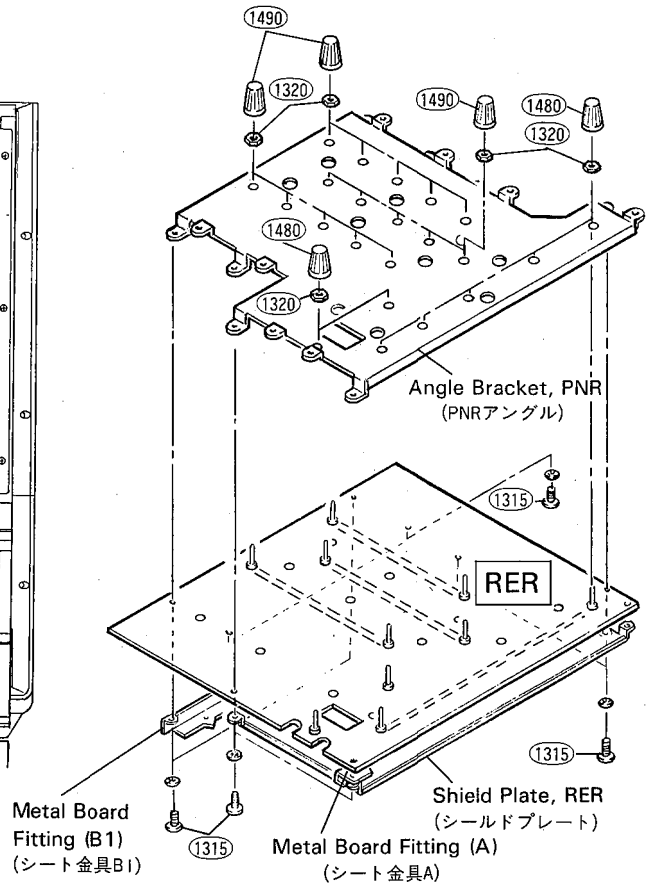
13-5.(1315)のネジ8本を外し、RERシートからシールドプレートとシート金具(B1)とシート金具(A)を外します。(図16)

13-6.(1320)の六角ナット22個をゆるめて、PNRアングルからRERシートを取り外します。(図16)

● **Panel Assembly (Bottom View)**



(Fig. 15)



(Fig. 16)

14. Removing the PNR circuit board

14-1. Open the main unit. (see procedure 1)

14-2. Remove the RER circuit board together with the shielded plate and PNR angle bracket. (see procedure 13-3)

14-3. Remove the PNR circuit board by removing the sixteen (16) screws marked (1280) and the four (4) screws marked (1275) and by pulling out the connector. (Fig. 17)

15. Removing the REL circuit board

15-1. Open the main unit. (see procedure 1)

15-2. Remove the cable protection plate by removing the ten (10) screws marked (1255) and the five (5) screws (screws marked with *) marked (1220) . (Fig. 15)

15-3. Peel off the flat cable that is adhered to the REL circuit board by removing the four (4) flat cable connectors on the PND circuit board.

15-4. Remove the REL circuit board together with the PNL angle bracket by removing the ten (10) screws marked (1250) and by pulling out the connector. (Fig. 15)

15-5. Pull out the seventeen (17) controls marked (1490) . (Fig. 18)

15-6. Remove the REL circuit board from the PNL angle bracket by removing the ten (10) screws marked (1255) and loosening the seventeen (17) hexagon nuts. (Fig. 18) (1260)

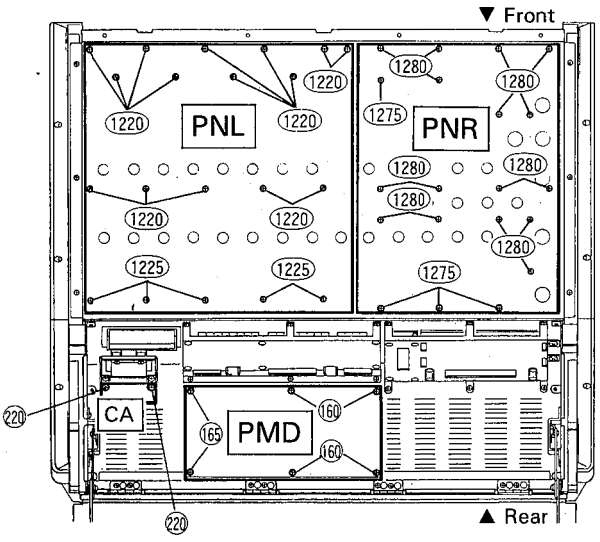
16. Removing the PNL circuit board

16-1. Open the main unit. (see procedure 1)

16-2. Remove the cable protection plate. (see procedure 15-2)

16-3. Remove the REL circuit board together with the PNL angle bracket. (see procedure 15-3)

16-4. Remove the PNL circuit board by removing the fifteen (15) screws marked (1220) and the five (5) screws marked (1225) . (Fig. 17)



(Fig. 17)

14.PNRシートの外し方

14-1.本体を開けます。(1項参照)

14-2.シールドプレートとPNRアングルと共にRERシートを取り外します。(13-3項参照)

14-3.(1280)のネジ16本と(1275)のネジ4本を外し、コネクターを抜いてPNRシートを外します。(図17)

15.RELシートの外し方

15-1.本体を開けます。(1項参照)

15-2.(1255)のネジ10本と(1220)のネジ(＊マークのついたネジ)5本を外して、ケーブル保護シートを外します。(図15)

15-3.PNDシート上のフラットケーブルのコネクター4個を抜いて、RELシートにはり付いているフラットケーブルをはがします。

15-4.(1250)のネジ10本を外し、コネクターを抜いてPNLアングルと共にRELシートを取り外します。(図15)

15-5.(1490)のツマミ17個を抜き取ります。(図18)

15-6.(1255)のネジ10本を外し、(1260)の六角ナット17個をゆるめてPNLアングルからRELシートを取り外します。(図18)

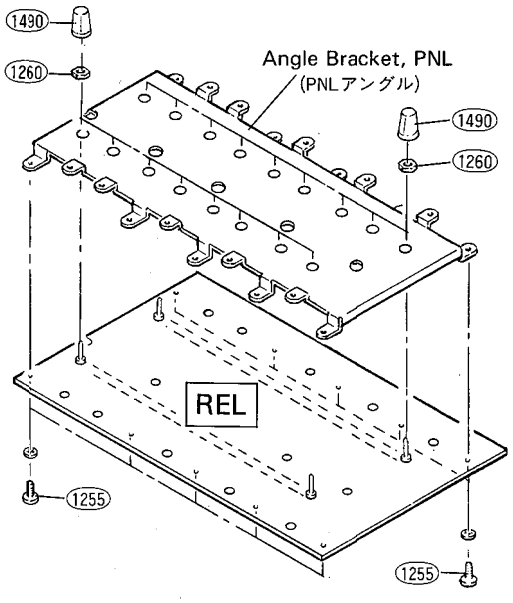
16.PNLシートの外し方

16-1.本体を開けます。(1項参照)

16-2.ケーブル保護シートを外します。(15-2項参照)

16-3.PNLアングルと共にRELシートを取り外します。(15-3項参照)

16-4.(1220)のネジ15本と(1255)のネジ5本を外して、PNLシートを取り外します。(図17)



(Fig. 18)

17. Removing the PM circuit board

17-1. Open the main unit. (see procedure 1)

17-2. Remove the PM circuit board together with the PM sub-panel by removing the six (6) screws marked ㊿ . (Fig. 14)

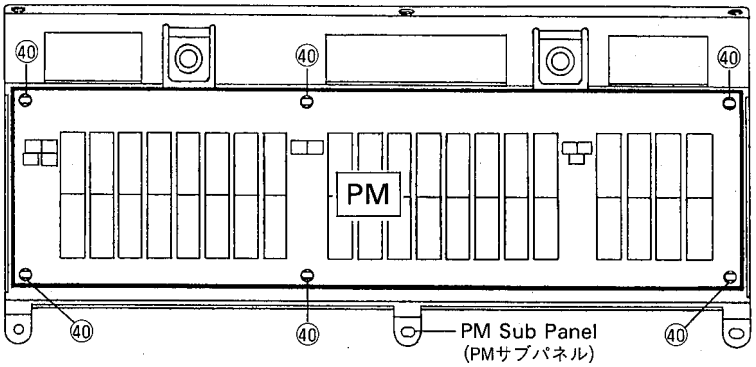
17-3. Remove the PM circuit board by pressing the hook of the six (6) locking card spacers marked ㊵ and by pulling out the connector. (Fig. 19)

17.PMシートの外し方

17-1.本体を開けます。(1項参照)

17-2.㊿のネジ6本を外して、PMサブパネルと共にPMシートを取り外します。(図14)

17-3.㊵のロッキングカードスペーサー6個のフックを外し、コネクターを抜いてPMシートを取り外します。(図19)



(Fig. 19)

18. Removing the LCD assembly, SEG and PMS circuit boards

18-1. Open the main unit. (see procedure 1)

18-2. Remove the LCD assembly, the circuit boards SEG and PMS together with the LCD sub-panel, by removing the six (6) screws marked ⑭⓪ . (Fig. 14)

18-3. Removing the LCD assembly

18-3-1. Remove the LCD assembly from the hooks at four (4) places in section Ⓐ . (Service parts are kept with the LCD itself) (Fig. 20)

18-4. Removing the SEG circuit board

18-4-1. Remove the SEG circuit board by pressing the hooks of the four (4) locking card spacers marked ⑨⓪ and by pulling out the connector. (Fig. 20)

18-5. Removing the PMS circuit board

18-5-1. Remove the PMS circuit board by pressing the hooks of the four (4) locking card spacers marked ⑪⓪ and by pulling out the connector. (Fig. 20)

18.LCD Ass'y、SEGシート、PMSシートの外し方

18-1.本体を開けます。(1項参照)

18-2.⑭⓪のネジ6本を外して、LCDサブパネルと共にLCD Ass'y、SEGシート、PMSシートを取り外します。(図14)

18-3.LCD Ass'yの外し方

18-3-1.Ⓐのフック4箇所からLCD Ass'yを外して、取り外します。(図20)

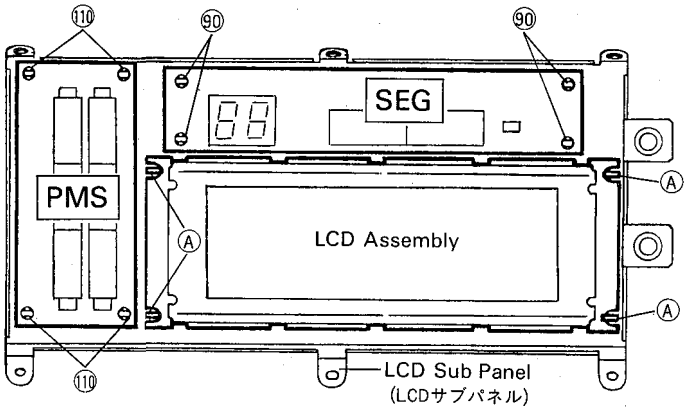
＊ただし、サービス部品はLCD単体で保有しています。

18-4.SEGシートの外し方

18-4-1.⑨⓪のロッキングカードスペーサー4個のフックを外し、コネクターを抜いてSEGシートを取り外します。(図20)

18-5.PMSシートの外し方

18-5-1.⑪⓪のロッキングカードスペーサー4個のフックを外し、コネクターを抜いてPMSシートを取り外します。(図20)



(Fig. 20)

19. Removing the PMD circuit board

19-1. Open the main unit. (see procedure 1)

19-2. Remove the PMD circuit board by removing the four (4) screws marked ⑯⓪ and the two (2) screws marked ⑯⑤ and by pulling out the connector. (Fig. 17)

20. Removing the CA circuit board

20-1. Open the main unit. (see procedure 1)

20-2. Remove the CA circuit board by removing the two (2) screws marked ②②⓪ and by pulling out the connector. (Fig. 17)

21. Opening the front panel assembly

21-1. Move the unit towards you to the end of the bench because the front panel assembly opens downwards. (Fig. 21)

21-2. Open the main unit. (see procedure 1)

21-3. Open the front panel assembly towards you by removing the nine (9) screws marked ①③⓪ . (Fig. 22 and 23)

19.PMDシートの外し方

19-1.本体を開けます。(1項参照)

19-2.⑯⓪のネジ4本と⑯⑤のネジ2本を外し、コネクターを抜いてPMDシートを取り外します。(図17)

20.CAシートの外し方

20-1.本体を開けます。(1項参照)

20-2.②②⓪のネジ2本を外し、コネクターを抜いてCAシートを取り外します。(図17)

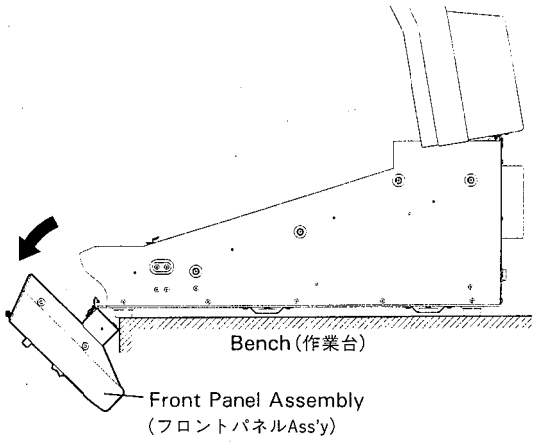
21.フロントパネルAss'yの開け方

21-1.フロントパネルAss'yは図21に示すように下側に開くので、本体を作業台の手前にずらしてから作業を始めて下さい。(図21)

21-2.本体を開けます。(1項参照)

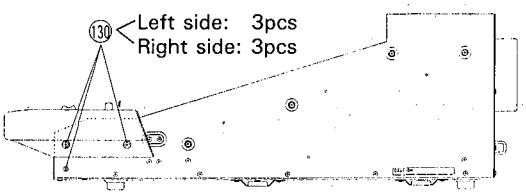
21-3.①③⓪のネジ9本を外して、フロントパネルAss'yを手前に開けます。(図22、23)

- **Right side view**

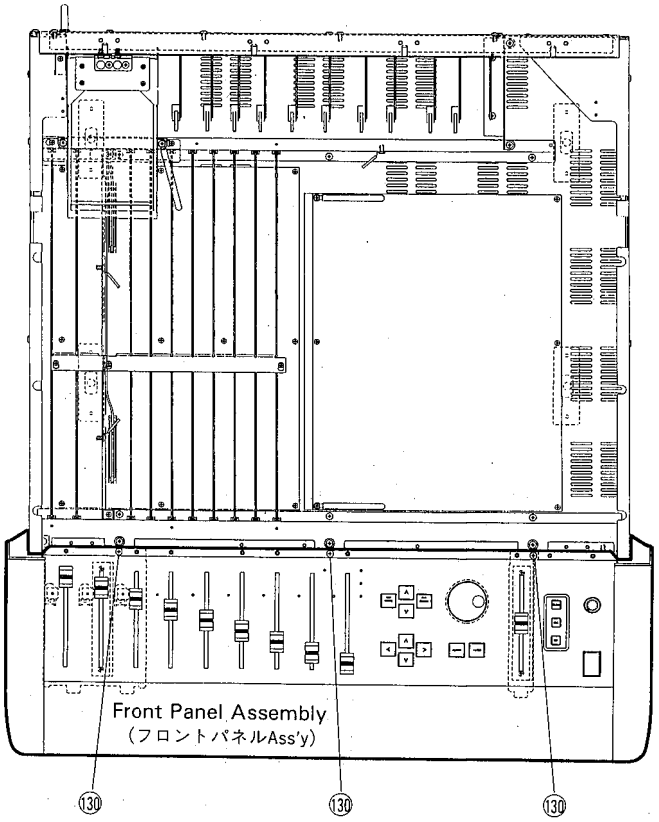


(Fig. 21)

- **Right side view**



(Fig. 23)



(Fig. 22)

22. Removing the DTB circuit board

22-1. Open the main unit. (see procedure 1)
22-2. Open the front panel assembly. (see procedure 21)
22-3. Remove the DTB circuit board by removing the four (4) screws marked ⑤⑧⓪ and by pulling out the connector. (Fig. 24)

23. Removing the MDR circuit board

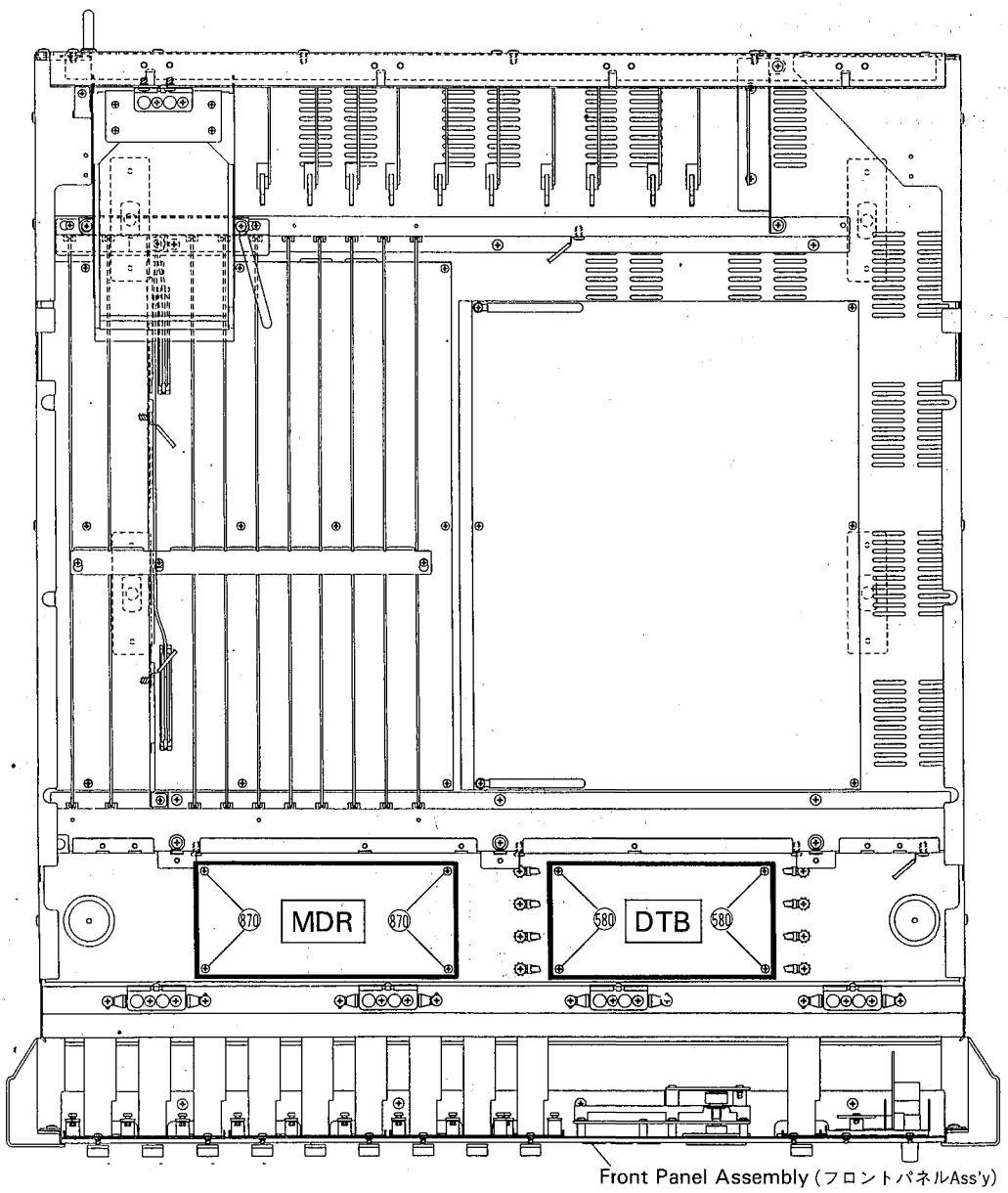
23-1. Open the main unit. (see procedure 1)
23-2. Open the front panel assembly. (see procedure 21)
23-3. Remove the MDR circuit board by removing the four (4) screws marked ⑧⑦⓪ and by pulling out the connector. (Fig. 24)

22.DTBシートの外し方

22-1.本体を開けます。(1項参照)
22-2.フロントパネルAss'yを開けます。(21項参照)
22-3. ⑤⑧⓪ のネジ4本を外し、コネクターを抜いてDTBシートを取り外します。(図24)

23.MDRシートの外し方

23-1.本体を開けます。(1項参照)
23-2.フロントパネルAss'yを開けます。(21項参照)
23-3. ⑧⑦⓪ のネジ4本を外し、コネクターを抜いてMDRシートを取り外します。(図24)



(Fig. 24)

24. Removing the NML circuit boards 1/10～10/10 and the faders (1)～(9)

24-1. Open the main unit. (see procedure 1)

24-2. Open the front panel assembly. (see procedure 21)

24-3. Removing the NML circuit boards 1/10～10/10 and the faders (1)～(3)

24-3-1. Remove the three (3) fader controls of the faders (1)～(3) by pulling them out.

24-3-2. Remove the faders and the NML circuit boards together with the fader sub-panel by removing the two (2) screws marked ⑧⑤ and by pulling out the connector. (Fig. 25)

24-3-3. Remove NML circuit boards 1/10～3/10 respectively by removing one plastic rivet marked ⑧⓪ for each circuit board. (Fig. 26)

24-3-4. Remove the faders (1)～(3) respectively by removing the two (2) screws marked ⑥⓪ . (Fig. 26)

24-3-5. Remove the NML circuit boards 4/10～6/10 and the faders (4)～(6), and NML circuit boards 7/10～10/10 and the faders (7)～(9) in the same way.

* Take care because the LED can bend easily when replacing the NML circuit board.

25. Removing the FPE3/3 circuit board

25-1. Open the main unit. (see procedure 1)

25-2. Open the front panel assembly. (see procedure 21)

25-3. Remove the FPE3/3 circuit board by removing the two (2) plastic rivets. (Fig. 25)

24.NMLシート1/10～10/10、フェーダー1)～9)の外し方

24-1.本体を開けます。(1項参照)

24-2.フロントパネルAss'yを開けます。(21項参照)

24-3.NMLシート1/10～3/10とフェーダー(1)～(3)の外し方

24-3-1.パネル面からフェーダー(1)～(3)のフェーダーツマミ3個を抜き取ります。

24-3-2.⑧⑤のネジ2本を外し、コネクターを抜いて、フェーダーサブパネルと共にフェーダーとNMLシートを取り外します。(図25)

24-3-3.NMLシート1/10～3/10は、⑧⓪のプラスチックリベットを1個ずつ外して、それぞれ取り外します。(図26)

24-3-4.フェーダー(1)～(3)は、⑥⓪のネジを2本ずつを外して、それぞれ取り外します。(図26)

24-3-5.NMLシート4/10～6/10とフェーダー(4)～(6)、NMLシート7/10～10/10とフェーダー(7)～(9)も同じようにして取り外します。

＊NMLシートを取り付ける時、LEDが曲がりやすいので注意して下さい。

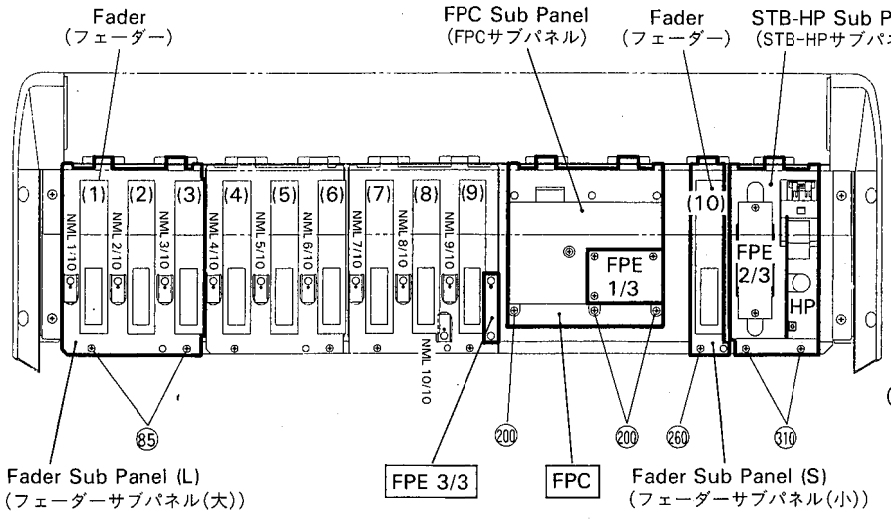
25.FPE3/3シートの外し方

25-1.本体を開けます。(1項参照)

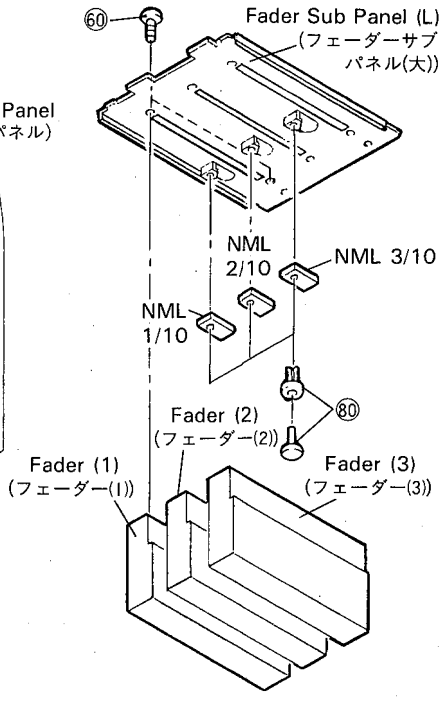
25-2.フロントパネルAss'yを開けます。(21項参照)

25-3.プラスチックリベット2ケを外して、FPE3/3シートを外します。(図25)

● **Front Panel Assembly**



(Fig. 25)



(Fig. 26)

26. Removing the fader-(10)

26-1. Open the main unit. (see procedure 1)

26-2. Open the front panel assembly. (see procedure 21)

26-3. Remove the fader control for the fader-(10) by pulling it out.

26-4. Remove the fader-(10) together with the fader sub-panel (small) by removing one screw marked ㉖⓪ and by pulling out the connector. (Fig. 25)

26-5. Remove the fader-(10) by removing the two (2) screws marked ㉕⓪ . (Fig. 27)

27. Removing the FPC circuit board and FPE1/3 circuit board

27-1. Open the main unit. (see procedure 1)

27-2. Open the front panel assembly. (see procedure 21)

27-3. Remove the FPC circuit board and FPE1/3 circuit board together with FPC sub-panel by removing the three (3) screws marked ⑳⓪ and by pulling out the connector. (Fig. 25)

27-4. Pull out the encoder control by loosening the two hexagon socket set screws. (Fig. 28)

27-5. Removing the FPC circuit board

27-5-1. Remove the FPC circuit board by removing the three (3) plastic rivets marked ⑤⑤⓪ . (Fig. 28)

27-6. Removing the FPE1/3 circuit board

27-6-1. Remove the FPE1/3 circuit board by removing one hexagon nut marked ⑥③⓪ and the three (3) screws marked ㉒⓪ . (Fig. 28)

26.フェーダー(10)の外し方

26-1.本体を開けます。(1項参照)

26-2.フロントパネルAss'yを開けます。(21項参照)

26-3.パネル面から、フェーダー(10)のフェーダーツマミ1個を抜き取ります。

26-4. ㉖⓪ のネジ1本を外し、コネクターを抜いてフェーダーサブパネル(小)と共にフェーダー(10)を取り外します。(図25)

26-5. ㉕⓪ のネジ2本を外して、フェーダー(10)を取り外します。(図27)

27.FPCシート、FPE1/3シートの外し方

27-1.本体を開けます。(1項参照)

27-2.フロントパネルAss'yを開けます。(21項参照)

27-3. ⑳⓪ のネジ3本を外し、コネクターを抜いて、FPCサブパネルと共にFPCシートとFPE1/3シートを取り外します。(図25)

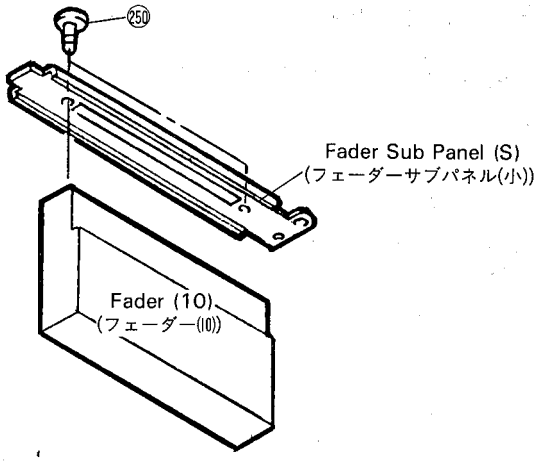
27-4.六角穴付止めネジ2本をゆるめて、エンコーダーツマミを抜き取ります。(図28)

27-5.FPCシートの外し方

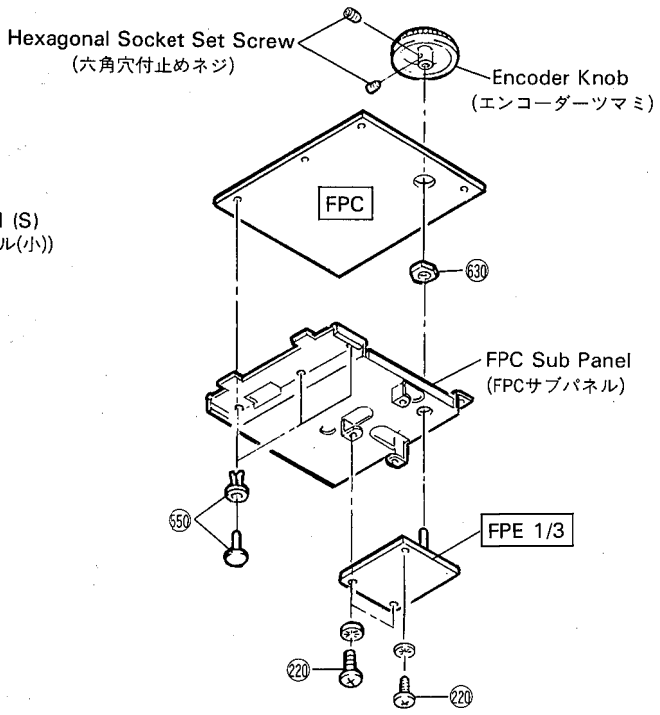
27-5-1. ⑤⑤⓪ のプラスチックリベット3個を外して、FPCシートを取り外します。(図28)

27-6.FPE1/3シートの外し方

27-6-1. ⑥③⓪ の六角ナット1個と ㉒⓪ のネジ3本を外して、FPE1/3シートを取り外します。(図28)



(Fig. 27)



(Fig. 28)

28. Removing the FPE2/3 circuit board and HP circuit board

28-1. Open the main unit. (see procedure 1)

28-2. Open the front panel assembly. (see procedure 21)

28-3. Remove the FPE2/3 circuit board and HP circuit board together with the STB-HP sub-panel by removing the two (2) screws marked ⑩ and by pulling out the connector. (Fig. 25)

28-4. Removing the FPE2/3 circuit board

28-4-1. Remove the FPE2/3 circuit board by removing the two (2) screws marked ㉚ (Fig. 29)

28-5. Removing the HP circuit board

28-5-1. Remove the jack holder by removing one hexagon nut marked ㊱ and one screw marked ⑩ . (Fig. 29)

28-5-2. Remove the HP circuit board by pulling out the volume control and removing the hexagon nut marked ⑳ and the screw marked ㊲ . (Fig. 29)

28.FPE2/3シート、HPシートの外し方

28-1.本体を開けます。(1項参照)

28-2.フロントパネルAss'yを開けます。(21項参照)

28-3. ⑩のネジ2本を外し、コネクターを抜いて、STB-HPサブパネルと共にFPE2/3シートとHPシートを取り外します。(図25)

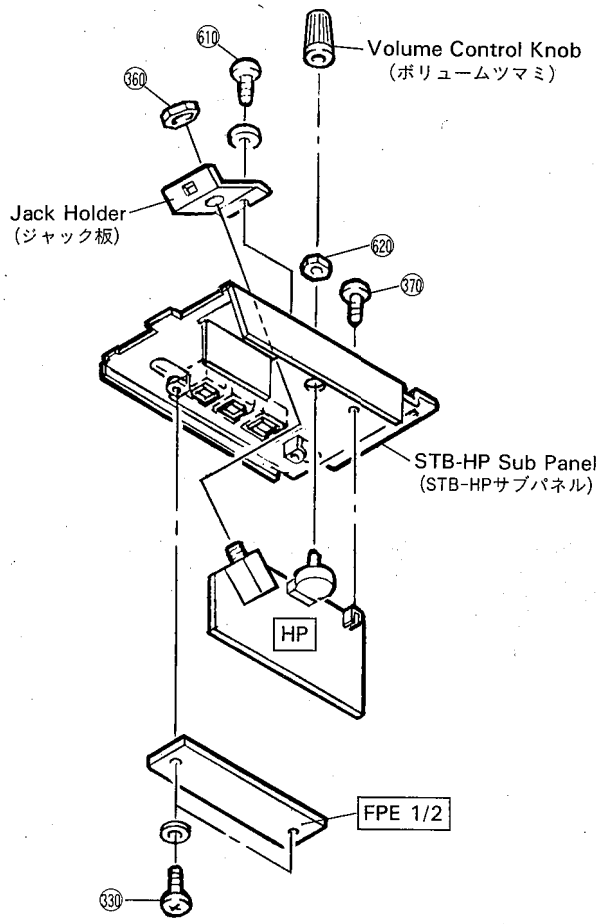
28-4.FPE2/3シートの外し方

28-4-1. ㉚のネジ2本を外して、FPE2/3シートを取り外します。(図29)

28-5.HPシートの外し方

28-5-1. ㊱の六角ナット1個と⑩のネジ1本を外して、ジャック板を取り外します。(図29)

28-5-2.ボリュームツマミ1個を抜き取り、⑳の六角ナット1個と㊲のネジ1本を外して、HPシートを取り外します。(図29)



(Fig. 29)

29. Removing the push button assembly, controls, and top cap assembly

29-1. Remove the push button assembly and controls in section Ⓐ by removing the REL and PNL circuit boards. (Fig. 30)

29-2. Remove the push button assembly, knobs and controls in section Ⓑ by removing the PND, RER and PNR circuit boards. (Fig. 30)

29-3. Remove the push button assembly and encoder control in section Ⓒ by removing the FPC and FPE1/3 circuit boards together with the FPC sub-panel. (Fig. 30)

29-4. Remove the push button assembly and volume controls in section Ⓓ by removing the FPE2/3 and HP circuit boards together with the STB-HP sub-panel. (Fig. 30)

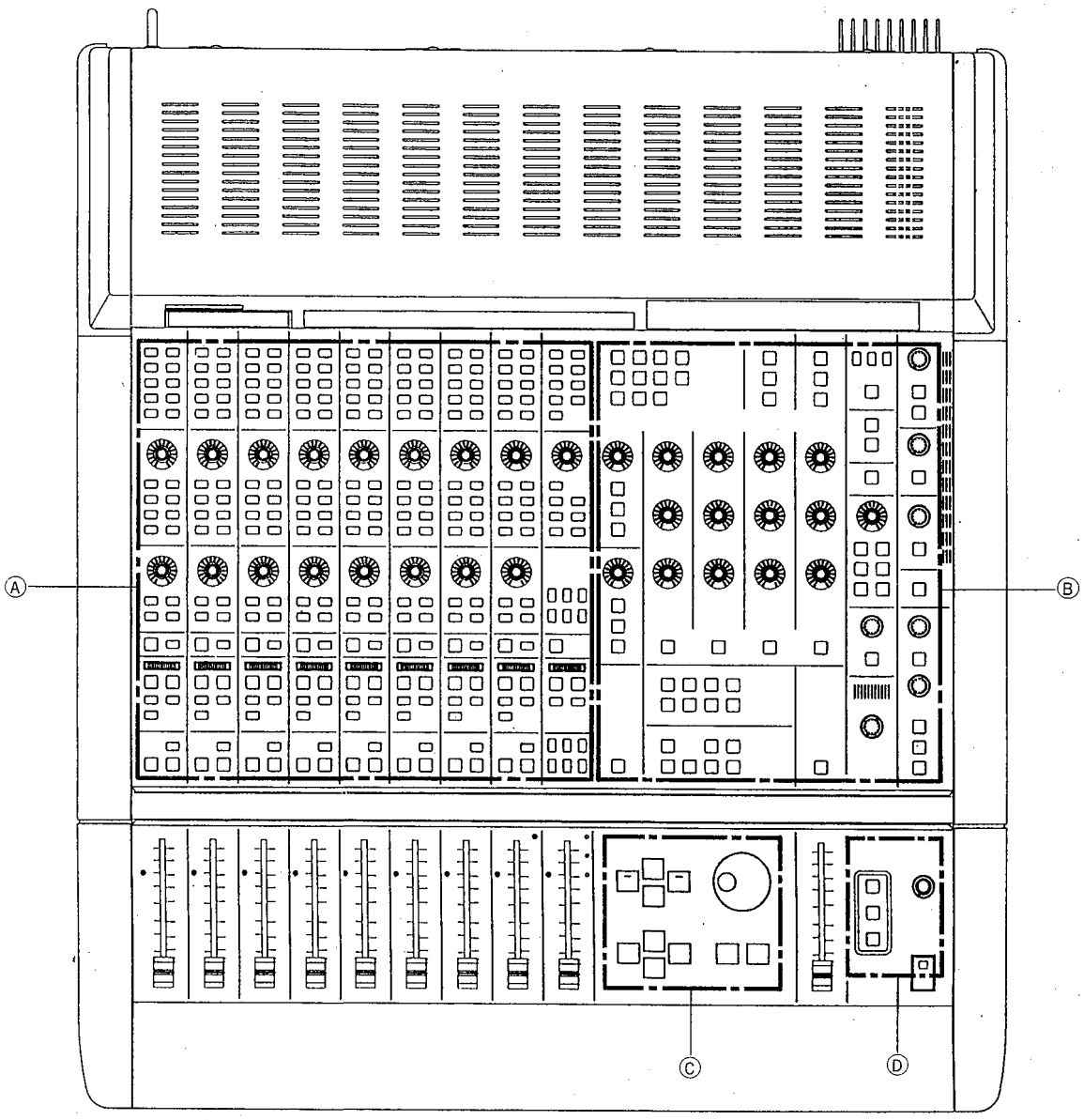
29. プッシュボタンAss'y、ツマミ類、トップキャップAss'yの外し方

29-1. Ⓐ部のプッシュボタンAss'yとノブは、RELシートとPNLシートを外して取り外します。(図30)

29-2. Ⓑ部のプッシュボタンAss'yとノブとツマミは、PNDシートとRERシートとPNRシートを外して取り外します。(図30)

29-3. Ⓒ部のプッシュボタンAss'yとエンコーダーツマミは、FPCサブパネルと共にFPCシートとFPE1/3シートを外して取り外します。(図30)

29-4. Ⓓ部のプッシュボタンAss'yとボリュームツマミは、STB-HPサブパネルと共にFPE2/3シートとHPシートを外して取り外します。(図30)



(Fig. 30)

- **Special parts for service**

The following parts are provided for service purpose only.

1. Stay (TX800230)
2. Extension circuit board set (TX800220)
   - Extension circuit board EXT 1
   - Extension circuit board EXT 2
   - 6-pin connector assembly
   - Clip cord

The following part should be prepared when using the extension circuit board EXT 2.

- 100-pin connector assembly (VL663800)

1. Installing the stay (Fig. 1)

1-1. Open the main unit and insert the "L" side (lower side) of the stay into the stay (medium).

1-2. Insert the other end (upper side) of the stay into the large sub-panel (left).

1-3. Secure the top end of the stay by turning it into the direction of the arrow. Make sure that the top and bottom of the stay do not come off at this point.

●サービス専用部品の使い方

サービス専用部品として、次の部品が用意されています。

1ステー(TX800230)

2延長基板セット(TX800220)

延長基板EXT1シート

延長基板EXT2シート

6ピン線材Ass'y

クリップコード

延長基板EXT2シートを使用するとき、次の部品を用意します。

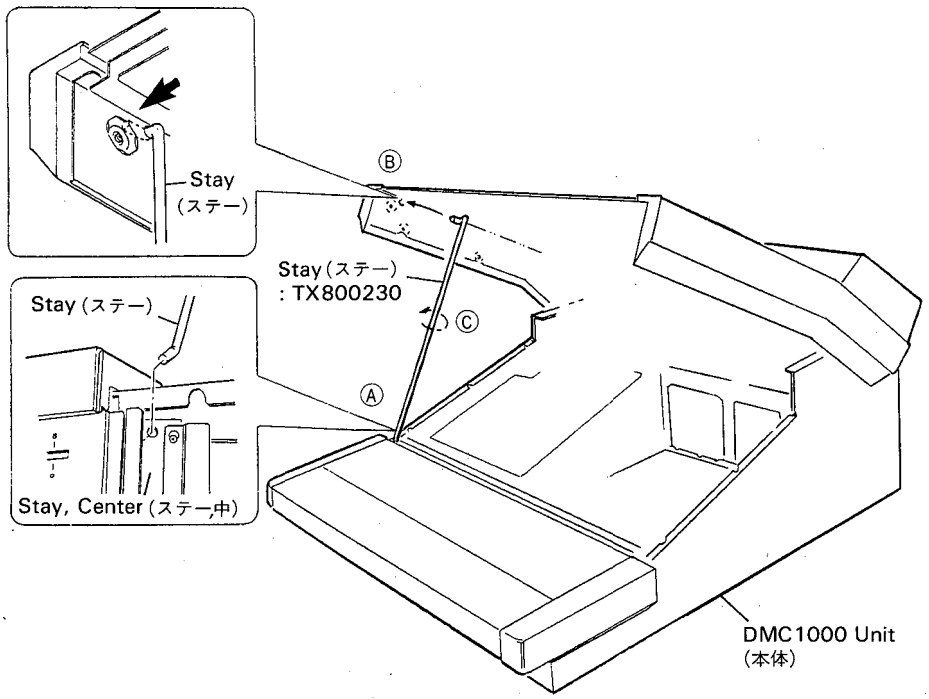
100ピン線材Ass'y(VL663800)

1.ステーの取り付け方(図1参照)

1-1.本体を開け、ステーのL字側(下側)をステー(中)の穴に差し込みます。

1-2.ステーのもう一端(上側)をサブパネル大(左)の穴に差し込みます。

1-3.ステーの上端を矢印の方向に回して固定します。このとき、ステーの上下が共に抜けないことを十分確認してください。



(Fig. 1)

2. Using the extension EXT 1 circuit board (Fig. 2)

2-1. This is used to check the circuit boards (ANA 1/2 circuit board ~ CLK 2/2 circuit board) which are mounted on the MBD circuit board.

2-2. Pull out the circuit board to be checked and insert the connector CN1 of the extension EXT 1 circuit board to the connector on the MBD circuit board side.

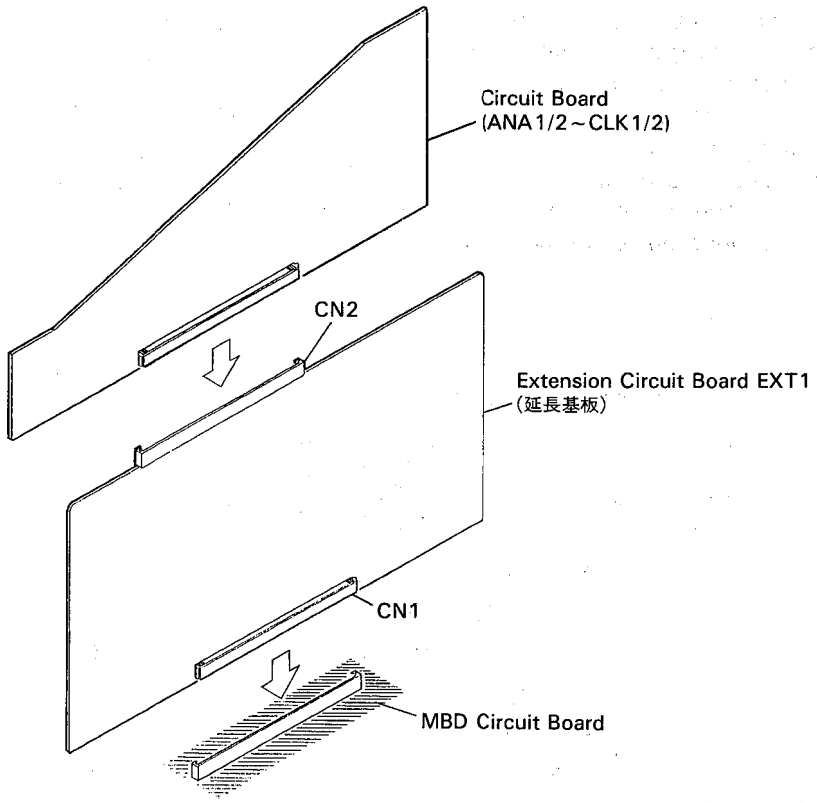
2-3. Insert the connector of the circuit board to be checked to the connector CN2 of the EXT 1 circuit board.

2.延長基板EXT1シートの使い方(図2参照)

2-1.MBDシートに取り付けられているシート(ANA1/2シート~CLK2/2シート)をチェックするときに使用します。

2-2.チェックするシートを引き抜き、MBDシート側のコネクターに延長基板EXT1シートのコネクターCN1を差し込みます。

2-3.チェックするシートのコネクターを、EXT1シートのコネクターCN2に差しこみます。



(Fig. 2)

3. Using the extension circuit board EXT 2 (Fig. 3)

3-1. This is used to check the circuit boards (CRC circuit board ~ CRL circuit board) which are mounted on the rear panel.

3-2. Remove the circuit board to be checked and insert the connector of the cable assembly (1) into the connector CN1 of the extension circuit board EXT 2.

3-3. Insert one end of the 100-pin connector assembly (VL663800), provided separately, into the connector of the circuit board to be checked. Insert the other end of the connector into the connector CN2 of the EXT 2 circuit board.

3-4. Connect the connector CN3 of the circuit board next to the circuit board to be checked and the connector CN2 of the circuit board to be checked with the 6-pin connector assembly of the extension circuit board set.

3-5. Ground with a clip cord when necessary.

3-6. In this way the circuit boards can be checked while they are connected to the main unit.

3.延長基板EXT2シートの使い方(図3参照)

3-1.リアパネルに取り付けられているシート(CRCシート~CRLシート)をチェックするときに使用します。

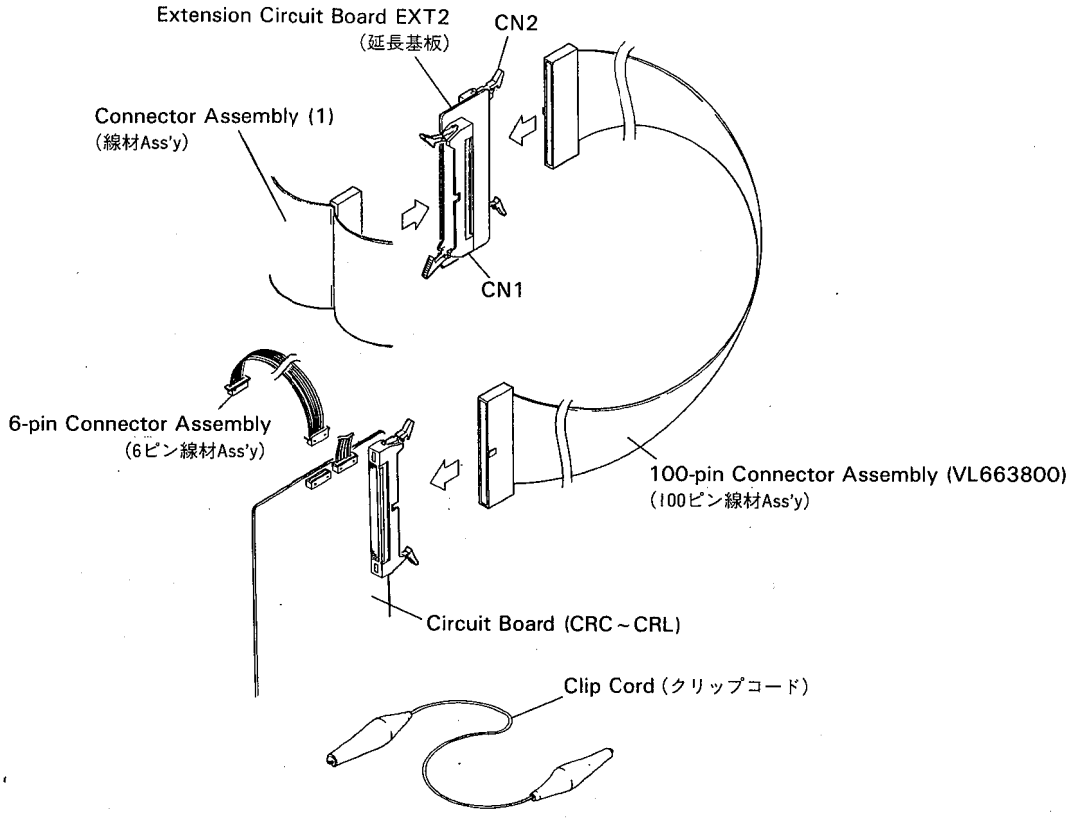
3-2.チェックするシートを取り外し、線材Ass'y(1)のコネクターを延長基板EXT2シートのコネクターCN1に差し込みます。

3-3.別に用意した100ピンの線材Ass'y(VL663800)の片側を、チェックするシートのコネクターに差し込みます。そして、もう一方のコネクターを、EXT2シートのコネクターCN2に差し込みます。

3-4.次に、チェックするシートの隣のシートのコネクターCN3とチェックするシートのコネクターCN2を、延長基板セットの6ピンの線材Ass'yで接続します。

3-5.必要に応じて、クリップコードでアースを取ります。

3-6.こうすることにより、本体にシートを接続した状態でシートをチェックすることができます。



(Fig. 3)

III. LSI PIN DESCRIPTION (LSI端子機能表)

■CONTENTS (目次)

HD68HC000PS12 (XC806A00) CPU ·····III- 1
MSM58321RS (IG090400) RTC ·····III- 1
AK5328-VP (X1521A00) ADC ·····III- 2
YM3422B (XE862B00) ESI·····III- 2
YM3437 (XG949A00) DIT2·····III- 2
YM3436BG (XG948C00) DIR2 ·····III- 3
YM3934 (XE798A00) PMM2 ·····III- 3
YM6035 (XE800A00) PSC2·····III- 4
YM6104 (XE788A00) DEQ2 ·····III- 4
YM6007 (XF164A00) DSP2 ·····III- 5
YM6067 (XH494A00) PSC4 ·····III- 6
YM6604 (XH497A00) ACIA·····III- 7
YM3807 (IT380700) MOD ·····III- 8
HD46508A-1 (IG129200) DATA IN ·····III- 8
HD63B03RP (IG105200) CPU ·····III- 8
HD63C01Y0RS37P (XH499B00) CPU ·····III- 9
μPD71055C (XB361001) PPI ·····III- 9
μPD71054C (XC310A00) P.T.C·····III-10
μPD8279C-2 (XC519001) CPU·····III-10
WD1772PH-02 (XB623001) FDC ·····III-10
SM5803APT (XH751A00) DIGITAL FILTER·····III-11
PCM63P-KY (XH987A00) DAC·····III-11

■INDEX (索引)

AK5328-VP (X1521A00) ADC ·····III- 2
HD63B03RP (IG105200) CPU ·····III- 8
HD63C01Y0RS37P (XH499B00) CPU ·····III- 9
HD68HC000PS12 (XC806A00) CPU ·····III- 1
HD46508A-1 (IG129200) DATA IN ·····III- 8
MSM58321RS (IG090400) RTC ·····III- 1
PCM63P-KY (XH987A00) DAC·····III-11
SM5803APT (XH751A00) DIGITAL FILTER·····III-11
WD1772PH-02 (XB623001) FDC ·····III-10
YM3422B (XE862B00) ESI·····III- 2
YM3436BG (XG948C00) DIR2 ·····III- 3
YM3437 (XG949A00) DIT2·····III- 2
YM3807 (IT380700) MOD ·····III- 8
YM3934 (XE798A00) PMM2 ·····III- 3
YM6007 (XF164A00) DSP2 ·····III- 5
YM6035 (XE800A00) PSC2·····III- 4
YM6067 (XH494A00) PSC4 ·····III- 6
YM6104 (XE788A00) DEQ2 ·····III- 4
YM6604 (XH497A00) ACIA·····III- 7
μPD71054C (XC310A00) P.T.C·····III-10
μPD71055C (XB361001) PPI ·····III- 9
μPD8279C-2 (XC519001) CPU·····III-10

● HD68HC000PS12 (XC806A00) CPU

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	D4	I/O	Data bus	33	A5	O	Address bus
2	D3	I/O		34	A6	O	
3	D2	I/O		35	A7	O	
4	D1	I/O		36	A8	O	
5	D0	I/O		37	A9	O	
6	$\overline{AS}$	O	Address strobe	38	A10	O	
7	$\overline{UDS}$	O	Upper address strobe	39	A11	O	
8	$\overline{LDS}$	O	Lower address strobe	40	A12	O	
9	$\overline{R/W}$	O	Read/write control	41	A13	O	
10	$\overline{DTACK}$	I	Data transfer acknowledge	42	A14	O	
11	$\overline{BG}$	O	Bus grant	43	A15	O	
12	$\overline{BGACK}$	I	Bus grant acknowledge	44	A16	O	
13	$\overline{BR}$	I	Bus request	45	A17	O	
14	Vcc	I	DC supply	46	A18	O	
15	CLK	I	Clock	47	A19	O	
16	Vss	I	Ground	48	A20	O	
17	$\overline{HALT}$	I/O	Halt (Open Drain)	49	Vcc		DC supply
18	$\overline{RES}$	I/O	Reset (Open Drain)	50	A21	O	Address bus
19	$\overline{VMA}$		Valid memory address	51	A22	O	
20	$\overline{E}$		Enable	52	A23	O	
21	$\overline{VPA}$	I	Valid peripheral address	53	Vss		Ground
22	$\overline{BERR}$	I	Bus error	54	D15	I/O	Data bus
23	$\overline{IPL2}$	I	Interruption priority level 2	55	D14	I/O	
24	$\overline{IPL1}$	I	Interruption priority level 1	56	D13	I/O	
25	$\overline{IPL0}$	I	Interruption priority level 0	57	D12	I/O	
26	FC2	O	Function code 2	58	D11	I/O	
27	FC1	O	Function code 1	59	D10	I/O	
28	FC0	O	Function code 0	60	D9	I/O	
29	A1	O	Address bus	61	D8	I/O	
30	A2	O		62	D7	I/O	
31	A3	O		63	D6	I/O	
32	A4	O		64	D5	I/O	

● MSM5832IRS (IG090400) RTC (Real Time Clock)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	CS2	I	Chip select 2	9	ADWR	I	Address input
2	WR	I	Write control	10	BUSY		Busy
3	RD	I	Read control	11	STDP	O	Standard pulse
4	D0	I/O	Data bus	12	TEST	I	Test pin
5	D1	I/O		13	CS1	I	Chip select 1
6	D2	I/O		14	XT		Clock
7	D3	I/O		15	XT		
8	GND		Ground	16	VPP		Power supply

● **AK5328-VP** (XI521A00) ADC (Analog to Digital Converter)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	AGND		Analog ground	15	SCLK	I	Serial output data clock
2	AINL	I	Left channel analog input	16	SDATA	O	Serial data output
3	ZEROL	I	Zero level input for left channel	17	VD1+		Positive digital power supply
4	VA+		Positive analog power supply	18	VD2+		Positive digital power supply
5	VA−		Negative analog power supply	19	DGND		Digital ground
6	APD	I	Analog power down	20	DCLKA	I	Digital section input clock
7	ACAL	I	Analog calibrate	21	NC		No connection
8	NC		No connection	22	ACLKA	O	Analog section output clock
9	DCAL	O	Digital calibrate output	23	CLKIN	I	Master input clock
10	DPD	I	Digital power down	24	LGND		Logic ground
11	TST1	I	} Test inputs	25	VL+		Positive logic power supply
12	TST2	I		26	ZEROR	I	Zero level input for right channel
13	TST3	I		27	AINR	I	Right channel analog input
14	L/$\overline{R}$	I	Left/Right select	28	VREF	O	Voltage reference output

● **YM3422B** (XE862B00) ESI (Format Converter)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	Vss		Ground	9	M0	I	} Mode select
2	SI0	I	Serial data input 0	10	M1	I	
3	SO0	O	Serial data output 0	11	M2	I	
4	BC0	I	Clock CH0	12	M3	I	
5	WC0	I	W-clock CH1	13	WC1	I	W-clock CH1
6	SI2	I	Serial data input 2	14	BC1	I	Clock CH1
7	SO2	O	Serial data output 2	15	SO1	O	Serial data output 1
8	VDD		Power supply	16	SI1	I	Serial data input 1

● **YM3437** (XG949A00) DIT2 (Digital Format Interface Transmitter)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	Vss		Ground	9	MUTE	I	Mute
2	MCLK	I	Master clock input	10	VFL	I	Validity flag
3	DM0	I	DIN/BCLK/WCLK format select	11	CCK	I	C, U bit clock input/C bit data input
4	DM1	I	DM1, DM0=0,0 DSP, LDSP (64bit, LSB first) DM1, DM0=0,1 stereo DSP (64bit, MSB first) DM1, DM0=1,0 DSP2 (128bit, MSB first) DM1, DM0=1,1 BB (64bit, MSB first)	12	CIN	I	C, U bit data input/U bit data input
				13	CLD	I	End of C, U bit input/16, 20bit/24bit select
				14	CNTR	I	32bit counter reset/Top of block
5	$\overline{RES}$	I	System reset	15	CSM	I	Channel status input mode select CSM=0 Asynchronous mode, CSM=1 Synchronous mode
6	WCIN	I	Word clock input				
7	DIN	I	Digital audio serial data input				
8	VDD		Power supply (+5V)	16	DOUT	O	Digital interface formatted data output

● YM3436BG (XG948C00) DIR2 (Digital Format Interface Receiver)

Pin No.	Name	I/O	Function	Pin No.	Name	I/O	Function
1	DAUX	I	Audio data aux. input	23	RSTN	I	System reset
2	HDLT	O	Buffer enable	24	VDDA		Power supply +5V (VCO)
3	DOUT	O	Audio data output	25	CTLN	I	VCO control input N
4	VFL	O	Validity flag	26	PCO	O	PLL phase campare
5	OPT	O	DAC synchronous data (Fsx1)	27	NC		
6	SYNC	O	DSP synchronous data (Fsx1)	28	CTLP	I	VCO control input P
7	MCC	O	Bit clock (Fsx64)	29	VSSA		Ground (VCO)
8	WC	O	Word clock (Fsx1)	30	TSTN	I	Test pin
9	MCB	O	Bit clock (Fsx128)	31	KM2	I	Clock mode select 2
10	MCA	O	Bit clock (Fsx256)	32	KM0	I	Clock mode select 0
11	SKSY	I	Clock synch. control	33	FS1	O	Sampling frequency display output 1
12	XI	I	Clock	34	FS0	O	Sampling frequency display output 0
13	XO	O	Clock	35	CSM	I	Output mode select
14	P256	O	VCO clock output	36	EXTW	I	External synch. (Word clock)
15	LOCKN	O	PLL lock flag	37	DDIN	I	EIAJ (AES/EBU) data input
16	VSSN		Ground	38	LR	O	PPL word clock output
17	TC	O	PLL time constant select	39	VDD		Power supply +5V (logic)
18	DIM1	I	Data input mode select 1	40	ERR	O	Data error flag
19	DIM0	I	Data input mode select 0	41	EMP	O	Emphasis control code output
20	DOM1	I	Data output mode select 1	42	CDO	O	CPU interface control data output
21	DOM0	I	Data output mode select 0	43	CCK	I	CPU interface clock input
22	KM1	I	Clock mode select 1	44	CLD	I	CPU interface load input

● YM3934 (XE798A00) PMM2 (Peak Meter Module)

Pin No.	NAME	I/O	FUNCTION	Pin No.	NAME	I/O	FUNCTION
1	NC			33	NC		
2	NC			34	NC		
3	NC			35	NC		
4	DB11	O		36	DI00	I	
5	DB10	O		37	DI01	I	
6	DB9	O		38	DI02	I	
7	DB8	O		39	DI03	I	
8	DB7	O		40	DI04	I	
9	DB6	O		41	DI05	I	
10	NC		Meter data output	42	NC		Digital in data
11	DB5	O		43	DI06	I	
12	DB4	O		44	DI07	I	
13	DB3	O		45	DI08	I	
14	DB2	O		46	DI09	I	
15	DB1	O		47	DI10	I	
16	DB0	O		48	DI11	I	
17	NC			49	NC		
18	NC			50	NC		
19	NC			51	NC		
20	NC			52	NC		
21	$\overline{OVD}$	I	Overflow data	53	HT1	I	
22	OMODE	I	Output mode control	54	HT0	I	Falling and holding times are
23	IMODE	I	Input mode control	55	FT1	I	determined by these inputs.
24	$\overline{NC}$			56	FT0	I	
25	$\overline{TST}$	I	Test pin	57	Vss		Ground
26	V_{DD}		Power supply	58	V_{DD}		Power supply
27	Vss		Ground	59	NC		
28	ICLK	I	System clock input	60	C3	O	
29	$\overline{SYNC}$	I	Synch. pulse	61	C2	O	Channel select
30	$\overline{RST}$	I	Initial reset	62	C1	O	
31	$\overline{DIEN}$	I	Digital input enable	63	C0	O	
32	NC			64	NC		

● **YM6035** (XE800A00) PSC2 (Parallel Serial Converter)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	GND		Ground	41	GND		Ground
2	NC			42	EXCA	I	MSB/LSB exchange control
3	D15	I/O		43	OENA	I	AES/EBU output control
4	D14	I/O		44	DMUT		
5	D13	I/O		45	OENO	I	Output strobe (SO0-SO3)
6	D12	I/O	Paralel I/O port	46	S04	O	
7	D11			47	S03	O	
8	D10	I/O		48	S01	O	Serial output
9	D09	I/O		49	S00	O	
10	D08	I/O		50	A01	I	Channel select for serial shift out latch
11	GND		Ground	51	A00	I	
12	NC			52	GND		Ground
13	D07	I/O		53	WTNO	I	Write signal to shift out latch
14	D06	I/O		54	DCSO	I	Data/Code select for serial shift out latch
15	D05	I/O		55	EXCO	I	MSB/LSB exchange for PSC
16	D04	I/O	Parallel I/O port	56	CO1	I	Serial out format select
17	D03	I/O		57	CO0	I	
18	D02	I/O		58	BCKO	O	PSC clock for serial out
19	D01	I/O		59	SCKO	I	PSC clock for serial out
20	D00	I/O		60	SYNO	I	Synch. word for serial out & AES/EBU out
21	OENP	I	D00-D15 output control	61	MCKO	I	Master clock for serial out & AES/EBU out
22	GND		Ground	62	TST	I	Test pin
23	MODE	I	16/24 bit select	63	NC		
24	AE07	I		64	GND	I	Ground
25	AE06	I		65	RESN	I	System reset
26	AE05	I		66	MCK1	I	Master clock for serial in
27	AE04	I	AES/EBU port	67	SYN1	I	Synch. word for for serial in
28	AE03	I		68	SCK1	O	SPC clock for serial in
29	AE02	I		69	BCK1	I	SPC clock for serial in
30	AE01	I		70	CI1	I	Serial IN format select
31	AE00	I		71	CI0		
32	VDD		Power supply	72	VDD	I	Ground
33	BSEL	I	AES/EBU output bit control	73	EXCI	I	MSB/LSB exchange for SPC
34	BA0	I	Parallel bus output conrrol	74	DCSI	I	Data/Code select for SPC
35	VAL	I	Validity data	75	AI1	I	Parallel OUT
36	AA0	I		76	AI0	I	register channel select
37	AA1	I	AES/EBU shift out	77	SI3	I	
38	DCSA	I	latch select	78	SI2	I	Serial data IN
39	WTNA	I	Write signal to AES/EBU shift out latch	79	SI1		
40	SOA	O	AES/EBU output	80	SI0	I	

● **YM6104** (XE788A00) DEQ2 (Digital Equalizer)

Pin No.	Name	I/O	Function	Pin No.	Name	I/O	Function
1	VDD	I	+5V	12	Vss	I	Earth (Ground)
2	XHD	I	Alteration of Sync. (=+5V) or Asynch. (=0V) for CDI input terminal (Synch: 1:1), Asynch: 16:1)	13, 14	SI0, SI1	I	INPUT for Serial data signal
				15, 16	SO0, SO1	O	OUTPUT for Serial data signal
				17	OVF	O	Detector for OVER Flow
3	$\overline{CRS}$	I	Initialized Serial Control Interface	18	TEST	I	For test. Normally connecting to +5V
4	CDI	I	Inputs of μ PGM, Para, Ser. Cont. Data of Control Reg.	19	C2	O	Output is delayed Data of 2nd bit of P. Reg. by 1 bit.
5	CDO	O	Outputs of μ PGM, Para, Ser Cont. Data of Control Reg.	20	C1	O	Output is delayed Data of 1st bit of P. Reg. by 1 bit.
6	XCLK	I	In/Out clock for CDI & CDO	21	C0	O	Output is delayed Data of 0 bit of P. Reg. by 1 bit.
7	TRG	I	Determins transmit timming of PARA. to Para. Reg. from T BFR.	22	CEMD	I	+5V: It's necessory to input 2 Byte for CE to CDI
8	ESL	I	Timming determination of data for External at Ext. Shift CLK				0V: It needs not to have a data for CE to CDI
9	ELD	I	Timming determination of data for Inner at Ext. Shift CLK	23	$\overline{IC}$	I	Initialized for DEQ
10	ECLK	I	Input Shift CLK of IN/OUT SR at Ext Shift CLK	24	$\overline{Sync}$	I	Synchro. signal for system
11	CLK	I	System Clock				

● YM6007 (XF164A00) DSP2 (Digital Signal Processor)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	D18	I/O	Data bus	65	NC		
2	D17	I/O		66	CDO	O	Serial control data output
3	D16	I/O		67	CDI	I	Serial control data input
4	NC			68	VDD		Power supply
5	VDD		Power supply	69	SIO	I	Serial data input (28bit × 4ch)
6	D15	I/O		70	NC		
7	NC			71	NC		
8	NC			72	SI1	I	Serial data input (28bit × 4ch)
9	D14	I/O		73	SI2	I	Serial data input (28bit × 2ch)
10	NC			74	SO0	O	Serial data output (28bit × 4ch)
11	D13	I/O		75	NC		
12	D12	I/O		76	SO1	O	Serial data output (28bit × 4ch)
13	D11	I/O		77	SO2	O	Serial data output (28bit × 2ch)
14	NC			78	SCLK	O	Clock (64bit/sample)
15	D10	I/O		79	NC		
16	NC			80	NC		
17	NC			81	NC		
18	D9	I/O	Data bus	82	NC		
19	D8	I/O		83	TRGO	O	Trigger output
20	D7	I/O		84	TRGI	I	Trigger input
21	NC			85	DCLK	I	Clock (Master clock × 2)
22	D6	I/O		86	SYW	I	Synch. pulse
23	D5	I/O		87	IC	I	Initial clear
24	NC			88	NC		
25	D4	I/O		89	MRQ	O	Control data receival
26	NC			90	MDA0	I	
27	D3	I/O		91	NC		
28	NC			92	NC		Serial mode: Internal registor select
29	D2	I/O		93	MDA1	I	Parallel mode: CDI, CDO data format select
30	D1	I/O					
31	D0	I/O		94	MDA2	I	
32	NC			95	NC		
33	CAS	O	CAS control	96	MWE	I	MD pin input strobe
34	RAS	O	RAS control	97	MOE	I	MD pin output strobe
35	A9	O	Address bus	98	MDS	I	Communication mode select (0: serial 1: parallel)
36	A8	O					
37	Vss		Ground	99	MD7	I/O	Parallel data
38	A7	O	Address bus	100	MD6	I/O	
39	NC			101	NC		
40	A6	O		102	NC		
41	NC			103	MD5	I/O	
42	A5	O		104	NC		
43	NC			105	MD4	I/O	
44	A4	O		106	NC		
45	A3	O		107	MD3	I/O	
46	NC			108	MD2	I/O	
47	NC			109	MD1	I/O	
48	NC			110	MD0	I/O	
49	NC			111	NC		
50	NC			112	NC		
51	NC			113	D27	I/O	Memory data Ground
52	A2	O		114	NC		
53	A1	O		115	D26	I/O	
54	A0	O		116	NC		
55	WE	O	Write control	117	D25	I/O	
56	OE	O	Output enable	118	D24	I/O	
57	NC			119	NC		
58	DBOE	I	Memory data bus output enable	120	D23	I/O	
59	NC			121	NC		
60	TIM1	O	Timing pulse	122	NC		
61	TST		Test pin	123	D22	I/O	
62	CRS	I/O	Reset (Serial mode:I Parallel mode: O)	124	Vss		
				125	NC		
63	NC			126	D21	I/O	
64	XCLK	I	Shift clock for serial control data	127	D20	I/O	
				128	D19	I/O	

● YM6067 (XH494A00) PSC4 (Parallel Serial Converter)

PIN NO.	NAME	I/O	FUNCTION
1	D23	I/O	Parallel I/O ports (D_{00}: LSB, D_{23}: MSB)
2	D22	I/O	
3	D21	I/O	
4	D20	I/O	
5	D19	I/O	
6	D18	I/O	
7	D17	I/O	
8	D16	I/O	
9	D15	I/O	
10	V_{SS}		Ground
11	D14	I/O	Parallel I/O ports (D_{00}: LSB, D_{23}: MSB)
12	D13	I/O	
13	D12	I/O	
14	D11	I/O	
15	D10	I/O	
16	D09	I/O	
17	D08	I/O	
18	D07	I/O	
19	D06	I/O	
20	D05	I/O	
21	D04	I/O	
22	D03	I/O	
23	D02	I/O	
24	D01	I/O	
25	D00	I/O	
26	V_{DD}		Power supply
27	V_{SS}		Ground
28	OENP	I	Output control terminal for parallel ports $D_{00}-D_{15}$. When Lo: internal bus→external When BA0 is Hi, the impedance of the parallel ports will be Hi even if this is set to Lo.
29	BAO	I	Terminal for selecting origin of data writing for the serial output section. When Lo: serial input section→serial output section When Hi: parallel port→serial output section However, control cannot be carried out except when MODA = MODB = Lo.
30	MODA	I	4 Internal Blocks
31	MODB	I	1: Serial Input section (SI) 2: Serial Output section (SO) 3: Buffering section (BUF) 4: Parallel port section (PARA) Terminals used to determine how connections are made.

MODB	MODA	Signal Path	AI0, 1: AO0, 1: BA0: WTN
0	0	SI⇒SO, SI⇒PARA	Enabled
0	1	SI⇒SO, SI⇒PARA	Disabled
1	0	SI⇒BUF→SO, BUF⇒PARA	Disabled
1	1	SI→BUF⇒SO, BUF⇒PARA	Disabled

PIN NO.	NAME	I/O	FUNCTION
			The input and output channels are the same except when MODA = MODB = Lo.
32	OEN0	I	Output control terminal. Works in conjunction with the serial output terminals SO0-3. Output is 0 when Hi, and operation is normal when Lo.
33	SO3	O	Serial data output terminals.
34	SO2	O	
35	SO1	O	
36	SO0	O	

	YAMAHA 24-1	YAMAHA 24-2	YAMAHA 48	YAMAHA 96
SO0	ch 0	ch 0	ch 0, 1	ch 0, 1, 2, 3
SO1	ch 1	ch 1	×	×
SO2	ch 2	ch 2	ch 2, 3	×
SO3	ch 3	ch 3	×	×

PIN NO.	NAME	I/O	FUNCTION
37	AO1	I	Writing channel selection terminals for internal parallel bus →serial output latch. Control cannot be carried out unless MODA = MODB = Lo.
38	AO0	I	
39	WTN	I	Write signal to internal parallel bus→serial output latch. Parallel bus data can be received in the shift out latch when Hi→Lo→Hi. However, control cannot be carried out unless MODA = MODB = Lo.

AO1	AO0	channel
0	0	0
0	1	1
1	0	2
1	1	3

PIN NO.	NAME	I/O	FUNCTION
40	EXCO	I	MSB/LSB reverse control terminal for internal parallel bus→serial output. Basic format is maintained when Lo. When this goes Hi, the MSB/LSB are reversed.
41	CO1	I	Serial output selection terminal
42	V_{SS}		Ground
43	CO0	I	Serial output selection terminal

CO1	CO0	FORMAT
0	0	YAMAHA 24-1 (1 channel/1 line)
0	1	YAMAHA 24-2 (1 channel/1 line)
1	0	YAMAHA 48 (2 channel/1 line)
1	1	YAMAHA 96 (4 channel/1 line)

PIN NO.	NAME	I/O	FUNCTION
44	BCKO	O	Parallel to serial conversion clock output terminal for serial output section. Normally connected to SCK0.
45	SCKO	I	Parallel to serial conversion clock input terminal for serial output section. Data from SO0-3 is output at the rising edge of the clock. *The start of a word must always be a rising edge.
46	SYNO	I	Sync word input terminal for serial output section. The start of a word is defined as the third rising edge of the MCKO after going from Hi to Lo.
47	MCKO	I	Master clock input terminal for serial output section. Receives 128 × fs (rising edge first) clock.
48	TST	I	Pin for LSI testing. Normally fixed at Lo
49	RESN	I	System reset terminal
50	MCKI	I	Master clock input terminal for serial input section. Receives 128 × fs (rising edge first) clock.
51	SYNI	I	Sync word input terminal for serial input section. The start of a word is defined as the third rising edge of the MCKI after going from Hi to Lo.
52	SCKI	I	Serial to parallel conversion clock input terminal for serial input section. Data from SI0-3 is received at the falling edge of the clock. Normally connected to BCKI.
53	BCKI	O	Serial to parallel conversion clock output terminal for serial input section. Normally connected to SCKI.
54	CI1	I	Serial input format selection terminals
55	CI0	I	

CI1	CI0	FORMAT
0	0	YAMAHA 24-1 (1 channel/1 line)
0	1	YAMAHA 24-2 (1 channel/1 line)
1	0	YAMAHA 48 (2 channel/1 line)
1	1	YAMAHA 96 (4 channel/1 line)

*Caution is advised when changing modes dynamically. (CI0 and CI1 are latched at the start of a word.)

PIN NO.	NAME	I/O	FUNCTION
56	EXCI	I	MSB/LSB reverse control terminal for serial input→internal parallel bus. Basic format is maintained when Lo. When this goes Hi, the MSB/LSB are reversed.
57	V_{SS}	I	Ground
58	V_{DD}	I	Power supply
59	AI1	I	Register channel selection terminals for serial input→internal parallel bus output. However, control cannot be carried out unless MODA = MODB = Lo. When MODA = MODB = Lo, each word is output 1/4 at a time from channels 0, 1, 2, and 3.
60	AI0	I	
61	SI3	I	Serial data input terminals.
62	SI2	I	
63	SI1	I	
64	SI0	I	

AI1	AI0	channel
0	0	0
0	1	1
1	0	2
1	1	3

	YAMAHA 24-1	YAMAHA 24-2	YAMAHA 48	YAMAHA 96
SI0	ch 0	ch 0	ch 0, 1	ch 0, 1, 2, 3
SI1	ch 1	ch 1	×	×
SI2	ch 2	ch 2	ch 2, 3	×
SI3	ch 3	ch 3	×	×

● YM6604 (XH497A00) ACIA (Asynchronous Communication Interface Adapter)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	$\overline{RESET}$	I	Reset	65	$\overline{IRQ3}$	I	Interrupt request
2				66			
3	$\overline{CS}$	I	Chip select	67	$\overline{IRQ4}$	I	
4				68			
5	$\overline{AS}$	I	Address strobe	69	$\overline{IRQ5}$	I	
6				70			
7	$\overline{LDS}$	I	Data strobe	71	$\overline{IRQ6}$	I	
8				72			
9	A1	I	Address bus	73	$\overline{IRQ7}$	I	
10				74			
11	A2	I		75	TXD1	O	Data transmission 1
12				76			
13	A3	I		77	RXD1	I	Data reception 1
14				78			
15	A4	I		79	$\overline{RTS1}$	O	Request to send 1
16				80			
17	A5	I		81	$\overline{CTS1}$	I	Clear to send 1
18				82			
19	Vss		Ground	83	$\overline{DCD1}$	I	Data carrier detect 1
20				84			
21	CLK	I	System clock	85	Vss		Ground
22				86			
23	R/W	I	Read/write control	87	TXD2	O	Data transmission 2
24				88			
25	$\overline{DTACK}$	O	Data acknowledge	89	RXD2	I	Data reception 2
26	Vss		Ground	90			
27	D0	I/O	Data bus	91	$\overline{RTS2}$	O	Request to send 2
28				92			
29	D1	I/O		93	$\overline{CTS2}$	I	Clear to send 2
30				94			
31	D2	I/O		95	$\overline{DCD2}$	I	Data carrier detect 2
32				96			
33	D3	I/O		97	TXD3	O	Data transmission 3
34	Vss		Ground	98			
35	D4	I/O	Data bus	99	RXD3	I	Data reception 3
36				100			
37	D5	I/O		101	$\overline{RTS3}$	O	Request to send 3
38				102			
39	D6	I/O		103	$\overline{CTS3}$	I	Clear to send 3
40				104			
41	D7	I/O		105	TXD4	O	Data transmission 4
42	Vss		Ground	106			
43	FC0	I	Function code	107	RXD4	I	Data reception 4
44				108			
45	FC1	I		109	$\overline{RTS4}$	O	Request to send 4
46				110			
47	FC2	I		111	$\overline{CTS4}$	I	Clear to send 4
48				112			
49	$\overline{IACK}$	O	Interrupt acknowledge	113	Vcc		Power supply
50				114			
51	Vcc		Power supply	115	TXD5	O	Data transmission 5
52				116			
53	MODE	I	CPU mode select (When Hi: 68000 mode, when Lo: 6800 mode)	117	RXD5	I	Data reception 5
54				118			
55	$\overline{IPL0}$	O	Interrupt control	119	TXD6	O	Data transmission 6
56				120			
57	$\overline{IPL1}$	O		121	RXD6	I	Data reception 6
58				122	Vss		Ground
59	$\overline{IPL2}$	O		123	FS	I	Counter clock
60				124			
61	$\overline{IRQ1}$	I	Interrupt request	125	XCLK2	I	Clock
62				126			
63	$\overline{IRQ2}$	I		127	XCLK1	I	Clock
64				128			

● YM3807 (IT380700) MOD (Modulation Data Generator)

Pin No.	Name	I/O	Function	Pin No.	Name	I/O	Function
1	NC			24	VSS		Power supply ground
2	MDSI0	I	Inputs data to add to the waveform data inside MOD	23	CDO	O	CD interface serial data output
3	MDSI1	I		22	CDI	I	CD interface serial data intput
4	MDSO0	O	Outputs MOD internal waveform data with the same data format as MDSIO.	21	NC		
5	MDSO1	O		20	XCLK	I	CD interface transmission clock input
6	MOD0	O	Outputs waveform data for all channels inside MOD.	19	XMD	I	Selects 1/16 mode (asynchronous) or 1/1 mode (synchronous) for the CD interface
7	MOD1	O		18	$\overline{CRS}$	I	CD counter reset
8	MOD2	O		17	CLK	I	3.2MHz
9	MOD3	O		16	$\overline{IC}$	I	Initial clear
10	MOD4			15	$\overline{SYNCW}$	I	Sync signal input. One 64th of the master clock.
11	MOD5	O		14	MOD7	O	Outputs waveform data for all channels inside MOD.
12	VDD		Power supply +5V	13	MOD6	O	

● HD46508A-I (IG129200) DATA IN (Analog/Digital Converter)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	Vss	I	Ground	21	REF−	I	Reference voltage −
2	GAINSEL	O	Gain select	22	COMPIN	I	Comparator Input
3	$\overline{IRQ}$	O	Interrupt request	23	COMMON	O	Multiplexer common output
4	D0	I/O	Data bus	24	REF+	I	Reference voltage +
5	D1	I/O		25	AI15	I	Analog input
6	D2	I/O		26	AI14	I	
7	D3	I/O		27	AI13	I	
8	D4	I/O		28	AI12	I	
9	D5	I/O		29	AI11	I	
10	D6	I/O		30	AI10	I	
11	D7	I/O		31	AI9	I	
12	CLK	I	Clock	32	AI8	I	
13	E	I	Enable	33	AI7	I	
14	RS0	I	Resistor select 0	34	AI6	I	
15	RS1	I	Resistor select 1	35	AI5	I	
16	$\overline{CS0}$	I	Chip select 0	36	AI4	I	
17	$\overline{CS1}$	I	Chip select 1	37	AI3	I	
18	R/$\overline{W}$	I	Read/write control	38	AI2	I	
19	$\overline{RES}$	I	Reset	39	AI1	I	
20	Vcc	I	Power supply	40	AI0	I	

● HD63B03RP (IG105200) CPU

Pin No.	Name	I/O	Function	Pin No.	Name	I/O	Function
1	Vss		Ground	21	Vcc		+5V
2	XTAL	I	Clock	22	A15		Address bus
3	EXTAL	I		23	A14		
4	$\overline{NMI}$	I	Non-maskable Interrupt	24	A13		
5	$\overline{IRQ1}$	I	Interrupt Request	25	A12		
6	$\overline{RESET}$	I	Reset	26	A11		
7	$\overline{STBY}$	I	Stand-by mode Signal	27	A10		
8	P20		Port	28	A9		
9	P21			29	A8		
10	P22			30	D7/A7		(Data bus /) Address bus
11	P23			31	D6/A6		
12	P24			32	D5/A5		
13	A0/P10		Address bus (/ Port)	33	D4/A4		
14	A1/P11			34	D3/A3		
15	A2/P12			35	D2/A2		
16	A3/P13			36	D1/A1		
17	A4/P14			37	D0/A0		
18	A5/P15			38	R/$\overline{W}$		Read/Write control
19	A6/P16			39	AS		Address strobe
20	A7/P17			40	E		Enable

● HD63C01Y0RS37P (XH499B00) CPU

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	Vss		Ground	33	Vcc		DC Supply (+5V)
2	XTAL	I	Clock (8MHz)	34	P47	O	Port 4
3	EXTAL	I		35	P46	O	
4	MP0	I	Mode program	36	P45	O	
5	MP1	I		37	P44	O	
6	$\overline{RES}$	I	Reset	38	P43	O	
7	$\overline{STBY}$	I	Stand-by mode signal	39	P42	O	
8	$\overline{NMI}$	I	Non-maskable interrupt	40	P41	O	
9	P20	I/O	Port 2	41	P40	O	
10	P21	I/O		42	Vss		Ground
11	P22	I/O		43	P17	O	Port 1
12	P23	I/O		44	P16	O	
13	P24	I/O		45	P15	O	
14	P25	I/O		46	P14	O	
15	P26	I/O		47	P13	O	
16	P27	I/O		48	P12	O	
17	P50	I	Port 5	49	P11	O	
18	P51	I		50	P10	O	
19	P52	I		51	P37	I/O	Port 3
20	P53	I		52	P36	I/O	
21	P54	I		53	P35	I/O	
22	P55	I		54	P34	I/O	
23	P56	I		55	P33	I/O	
24	P57	I		56	P32	I/O	
25	P60	I/O	Port 6	57	P31	I/O	
26	P61	I/O		58	P30	I/O	
27	P62	I/O		59	P74	O	Port 7
28	P63	I/O		60	P73	O	
29	P64	I/O		61	P72	O	
30	P65	I/O		62	P71	O	
31	P66	I/O		63	P70	O	
32	P67	I/O		64	E	I	Enable

● μPD71055C (XB361001) PPI (Programmable Peripheral Interface)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	PO3	I/O	Port 0	21	P13	I/O	Port 2
2	PO2	I/O		22	P14	I/O	
3	PO1	I/O		23	P15	I/O	
4	PO0	I/O		24	P16	I/O	
5	$\overline{RD}$	I	Read control	25	P17	I/O	
6	$\overline{CS}$	I	Chip Select	26	V_{DD}		DC Supply
7	GND		DC Supply (0V)	27	D7	I/O	Data bus
8	A1	I	Port address	28	D6	I/O	
9	A2	I		29	D5	I/O	
10	P27	I/O	Port 2	30	D4	I/O	
11	P26	I/O		31	D3	I/O	
12	P25	I/O		32	D2	I/O	
13	P24	I/O		33	D1	I/O	
14	P20	I/O		34	D0	I/O	
15	P21	I/O		35	$\overline{RESET}$	I	Reset
16	P22	I/O		36	$\overline{WR}$	I	Write control
17	P23	I/O		37	P07	I/O	Port 0
18	P10	I/O	Port B	38	P06	I/O	
19	P11	I/O		39	P05	I/O	
20	P12	I/O		40	P04	I/O	

● μPD71054C (XC310A00) P.T.C (Programmable Timer Counter)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	D 7	I/O	} Data bus	13	OUT 1	O	Counter output 1
2	D 6	I/O		14	GATE 1	I	Counter gate 1
3	D 5	I/O		15	CLK 1	I	Counter clock 1
4	D 4	I/O		16	GATE 2	I	Counter gate 2
5	D 3	I/O		17	OUT 2	O	Counter output 2
6	D 2	I/O		18	CLK 2	I	Counter clock 2
7	D 1	I/O		19	A 0	I	} Address bus
8	D 0	I/O		20	A 1	I	
9	CLK 0	I	Counter clock 0	21	$\overline{CS}$	I	Chip select
10	OUT 0	O	Counter output 0	22	$\overline{RD}$	I	Read strobe
11	GATE 0	I	Counter gate 0	23	$\overline{WR}$	I	Write strobe
12	GND		GND	24	VDD		Power supply

● μPD8279C-2 (XC519001) CPU

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	RL_2	I	} Return line	21	A_0	I	Buffer address (command = 1, address = 0)
2	RL_3	I		22	$\overline{CS}$	I	Chip select
3	CLK	I	Clock in	23	$\overline{BD}$	O	Blank display
4	IRQ	O	Interrupt request	24	OUT A_3	O	} Port A
5	RL_4	I	} Return line	25	OUT A_2	O	
6	RL_5	I		26	OUT A_1	O	
7	RL_6	I		27	OUT A_0	O	
8	RL_7	I		28	OUT B_3	O	} Port B
9	RESET	I	Reset	29	OUT B_2	O	
10	$\overline{RD}$	I	Read control	30	OUT B_1	O	
11	$\overline{WR}$	I	Write control	31	OUT B_0	O	
12	DB_0	I/O	} Data bus	32	SL_0	O	} Scan signal
13	DB_1	I/O		33	SL_1	O	
14	DB_2	I/O		34	SL_2	O	
15	DB_3	I/O		35	SL_3	O	
16	DB_4	I/O		36	SHIFT	I	Shift
17	DB_5	I/O		37	CNTL/STB	I	Control/strob
18	DB_6	I/O		38	RL_0	I	} Return line
19	DB_7	I/O		39	RL_1	I	
20	Vss		Ground	40	Vcc		Power supply

● WD1772PH-02 (XB623001) FDC (Floppy Disk Controller/formatter)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	$\overline{CS}$	I	Chip select	15	Vcc		Powr supply
2	R/$\overline{W}$	I	Read/Write control	16	STEP	O	Step pulse
3	A0	I	} Address bus	17	DIRC	O	Direction control
4	A1	I		18	CLK	I	Clock IN
5	DAL0	I/O	} Data access lines	19	$\overline{RD}$	I	Read data
6	DAL1	I/O		20	MO	O	Motor On
7	DAL2	I/O		21	WG	O	Write gate
8	DAL3	I/O		22	WD	O	Write data
9	DAL4	I/O		23	$\overline{TR00}$	I	Track 00 signal
10	DAL5	I/O		24	$\overline{IP}$	I	Index pulse
11	DAL6	I/O		25	$\overline{WPRT}$	I	Write protect
12	DAL7	I/O		26	$\overline{DDEN}$	I	Double density request
13	$\overline{MR}$	I	Master reset	27	DRQ	O	Data request
14	Vss		Ground	28	IRQ	O	Interrupt request

● SM5803APT (XH751A00) DIGITAL FILTER

PIN NO.	NAME	I/O	FUNCTION
1	DIN	I	Input data
2	BCKI	I	Input data bit clock (data is received at the rising edge)
3	$\overline{\text{CKSL}}$	I	Selects the XTI terminal input frequency (6: refer to XTI terminal explanation)
4	$\overline{\text{CKDV}}$	I	Selects the XTI terminal input frequency (6: refer to XTI terminal explanation)
5	$\overline{8X}$	I	Selects output sample rate When Hi: 4 fs mode When Lo: 8 fs mode
6	XTI	I	Oscillator input terminal (192 fs: When /CKSL is Hi and /CKDV is Hi) (384 fs: When /CKSL is Hi and /CKDV is Lo) (256 fs: When /CKSL is Lo and /CKDV is Hi) (512 fs: When /CKSL is Lo and /CKDV is Lo)
7	XTO	O	Oscillator output terminal
8	Vss1		GND terminal 1
9	CKO	O	Oscillator output clock (Frequency matches that for the XTI terminal)
10	MS1	I	Mode set control 1
11	MS2	I	Mode set control 2
12	MS3	I	Mode set control 3
13	MDT	I	Mode set data
14	$\overline{\text{MEN}}$	I	Mode set enable
15	MUTE	I	Mute signal When Hi: No sound is output When Lo: Normal output
16	DIEM	I	De-emphasis signal When Hi: De-emphasis ON When Lo: De-emphasis OFF
17	FSEL1	I	De-emphasis filter type (fs) selection
18	FSEL2	I	
19	DGR	O	When in 8fs LR parallel output mode: De-glitch negative output When in 4fs LR serial output mode: R channel de-glitch output When in 4fs LR parallel output mode: De-glitch negative output
20	DGL	O	When in 8fs LR parallel output mode: De-glitch positive output When in 4fs LR serial output mode: L channel de-glitch output When in 4fs LR parallel output mode: De-glitch positive output
21	Vss2		GND terminal 2
22	VDD		Power terminal (5V)
23	DOR	O	When in 8fs LR parallel output mode: R channel data output When in 4fs LR serial output mode: LR clock output When in 4fs LR parallel output mode: R channel data output
24	DOL	O	When in 8fs LR parallel output mode: L channel data output When in 4fs LR serial output mode: LR channel data output When in 4fs LR parallel output mode: L channel data output
25	WCKO	O	Output word clock
26	BCKO	O	Output bit clock
27	FSCO	O	Internal calculation for fs cycle and output timing clock
28	LRCI	I	Input data sample rate (fs) clock

FSEL	f=32kHz	f=44.1kHz	f=48kHz
FSEL 1	H	L	L
FSEL 2	L	L	H

	DGR	DGL
8fs LR parallel out mode	– degritch out	+ degritch out
4fs LR alternative out mode	Rch degritch out	Lch degritch out
4fs LR parallel out mode	– degritch out	+ degritch out

	DOR	DOL
8fs LR parallel out mode	Rch data out	Lch data out
4fs LR alternative out mode	LR clock	L/R clock
4fs LR parallel out mode	Rch data out	Lch data out

● PCM63P-KY (XH987A00) DAC (Digital Analog Converter)

PIN NO.	NAME	I/O	FUNCTION
1	CAP		Servo filter (SERVO DC)
2	+VccA		Power supply (+)
3	CAP		Reference filter (REF DC)
4	CAP		BPO reference (BPO DC)
5	BPO		Bipolar offset
6	Iout	O	Current output
7	A.GND		Analog ground
8	NC		Not used
9	RFB1		Feedback resistor
10	RFB2		
11	–VccL		Power supply (–)
12	D.GND		Digital ground
13	+VccL		Power supply (+)
14	NC		Not used
15	NC		Not used
16	NC		
17	NC		
18	CK	I	Clock
19	NC		Not used
20	LE	I	LEC input
21	DATA	I	Data input
22	NC		Not used
23	BIT2-B ADJ		Bit 2B adj.
24	BIT2-A ADJ		Bit 2A adj.
25	Vpot		Potentiometer connection
26	NC		Not used
27	NC		
28	–VccA		Power supply

IV. IC BLOCK DIAGRAM (ICブロック図)

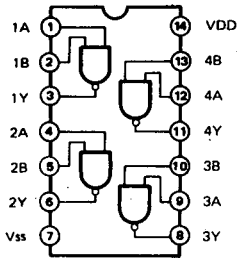
■CONTENTS (目次)

SN74HC00N (IR000050) Quad 2 Input NAND ·····IV- 1
SN74HC03N (IR000350) Quad 2 Input NAND ·····IV- 1
SN74HCU04N (IG142250) Hex Inverter ·····IV- 1
SN74HC04N (IR000450) Hex Inverter ·····IV- 1
SN74HC05N (IR000550) Hex Inverter ·····IV- 1
SN74HC08N (IR000850) Quad 2 Input AND·····IV- 1
SN74HC11N (IR001150) Triple 3 Input AND ·····IV- 1
SN74HC14N (IR001450) Hex Inverter ·····IV- 1
SN74HC30N (IR003050) 8 Input NAND ·····IV- 1
SN74HC32N (IR003250) Quad 2 Input OR ·····IV- 1
SN74HC74N (IR007450) Dual D-Type Flip-Flop·····IV- 1
SN74HC86P (IR008600) Quad 2 Input EX-OR·····IV- 1
TC74HC123AP (IR012300) Dual Retriggerable Single Shot ···IV- 2
SN74HC125N (IR012550) Quad 3-State Bus Buffer ·····IV- 2
SN74HC138N (IR013850) 3 to 8 Demultiplexer ·····IV- 2
SN74HC139N (IR013950) Dual 2 to 4 Demultiplexer·····IV- 2
SN74HC151N (IR015150) 8 to 1 Data Selector/Multiplexer ···IV- 2
SN74HC153N (IR015350) Dual 4 to 1 Data Selectors ·····IV- 2
TC74HC154AP (IR015400) 4 to 16 Demultiplexer ·····IV- 2
SN74HC157N (IR015750) Quad 2 to 1 Multiplexers ·····IV- 2
SN74HC163N (IR016350) SYNC. Binary Counter ·····IV- 2
SN74HC164N (IR016450) 8-Bit Shift Register ·····IV- 3
SN74HC165N (IR016550) 8-Bit Shift Register ·····IV- 3
HD74LS240P (IG044500) Octal Bus Inverter ·····IV- 3
SN74HC240N (IR024050) Octal Bus Inverter ·····IV- 3
SN74HC244 (IR024450) Octal 3-State Bus Buffer·····IV- 3
SN74HC245N (IR024550) Octal 3-State Bus Transceiver ···IV- 3
SN74HC273N (IR027350) Octal D-Type Flip-Flop ·····IV- 3
TC74HC283AP (IR028300) 4-Bit Binary Full Adder ·····IV- 3
SN74HC373N (IR037350) Octal 3-State D-Type Latch ·····IV- 3
SN74HC374N (IR037450) Octal 3-State D-Type Flip-Flop ···IV- 3
SN74HC393N (IR039350) Dual 4-Bit Binary Counter·····IV- 4
SN74LS624N (IG136400) VCO ·····IV- 4
TC74HC4072AP (IR407200) Dual 4-Input OR Gate ·····IV- 4
RC4558D-V (IG001390) Dual Operational Amplifier ·····IV- 4
TL082CP (IG052500) Dual Operational Amplifier·····IV- 4
NE5532P (IG102500) Dual Operational Amplifier ·····IV- 4
M5238P (XA013001) Dual Operational Amplifier ·····IV- 4
NJM4556DD (XE803A00) Dual Operational Amplifier·····IV- 4
NE5534P (IG076700) Operational Amplifier ·····IV- 4
μPC311C (IG033400) Voltage Comparator·····IV- 4
NJU211D (XC555001) Analog Switch ·····IV- 4
AM26LS31PC (XC570001) Line Driver ·····IV- 4
AM26LS32PC (XC571001) Line Receiver ·····IV- 4
SN75121 (XE683A00) Line Driver ·····IV- 5
SN75124N (XE737A00) Line Receiver ·····IV- 5
BA6218 (IG153500) Moter Driver·····IV- 5

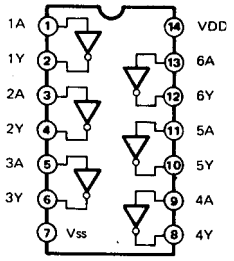
■INDEX (索引)

AM26LS31PC (XC570001) Line Driver ·····IV- 4
AM26LS32PC (XC571001) Line Receiver ·····IV- 4
BA6218 (IG153500) Moter Driver·····IV- 5
HD74LS240P (IG044500) Octal Bus Inverter ·····IV- 3
M5238P (XA013001) Dual Operational Amplifier ·····IV- 4
NE5532P (IG102500) Dual Operational Amplifier ·····IV- 4
NE5534P (IG076700) Operational Amplifier ·····IV- 4
NJM4556DD (XE803A00) Dual Operational Amplifier·····IV- 4
NJU211D (XC555001) Analog Switch ·····IV- 4
RC4558D-V (IG001390) Dual Operational Amplifier ·····IV- 4
SN74HC00N (IR000050) Quad 2 Input NAND ·····IV- 1
SN74HC03N (IR000350) Quad 2 Input NAND ·····IV- 1
SN74HC04N (IR000450) Hex Inverter ·····IV- 1
SN74HC05N (IR000550) Hex Inverter ·····IV- 1
SN74HC08N (IR000850) Quad 2 Input AND·····IV- 1
SN74HC11N (IR001150) Triple 3 Input AND ·····IV- 1
SN74HC14N (IR001450) Hex Inverter ·····IV- 1
SN74HC30N (IR003050) 8 Input NAND ·····IV- 1
SN74HC32N (IR003250) Quad 2 Input OR ·····IV- 1
SN74HC74N (IR007450) Dual D-Type Flip-Flop·····IV- 1
SN74HC86P (IR008600) Quad 2 Input EX-OR·····IV- 1
SN74HC125N (IR012550) Quad 3-State Bus Buffer ·····IV- 2
SN74HC138N (IR013850) 3 to 8 Demultiplexer ·····IV- 2
SN74HC139N (IR013950) Dual 2 to 4 Demultiplexer·····IV- 2
SN74HC151N (IR015150) 8 to 1 Data Selector/Multiplexer ···IV- 2
SN74HC153N (IR015350) Dual 4 to 1 Data Selectors ·····IV- 2
SN74HC157N (IR015750) Quad 2 to 1 Multiplexers ·····IV- 2
SN74HC163N (IR016350) SYNC. Binary Counter ·····IV- 2
SN74HC164N (IR016450) 8-Bit Shift Register ·····IV- 3
SN74HC165N (IR016550) 8-Bit Shift Register ·····IV- 3
SN74HC240N (IR024050) Octal Bus Inverter ·····IV- 3
SN74HC244 (IR024450) Octal 3-State Bus Buffer·····IV- 3
SN74HC245N (IR024550) Octal 3-State Bus Transceiver ···IV- 3
SN74HC273N (IR027350) Octal D-Type Flip-Flop ·····IV- 3
SN74HC373N (IR037350) Octal 3-State D-Type Latch ·····IV- 3
SN74HC374N (IR037450) Octal 3-State D-Type Flip-Flop ···IV- 3
SN74HC393N (IR039350) Dual 4-Bit Binary Counter·····IV- 4
SN74HCU04N (IG142250) Hex Inverter ·····IV- 1
SN74LS624N (IG136400) VCO ·····IV- 4
SN75121 (XE683A00) Line Driver ·····IV- 5
SN75124N (XE737A00) Line Receiver ·····IV- 5
TC74HC123AP (IR012300) Dual Retriggerable Single Shot ···IV- 2
TC74HC154AP (IR015400) 4 to 16 Demultiplexer ·····IV- 2
TC74HC283AP (IR028300) 4-Bit Binary Full Adder ·····IV- 3
TC74HC4072AP (IR407200) Dual 4-Input OR Gate ·····IV- 4
TL082CP (IG052500) Dual Operational Amplifier ·····IV- 4
μPC311C (IG033400) Voltage Comparator·····IV- 4

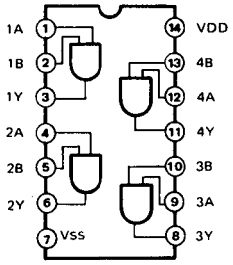
- **SN74HC00N** (IR000050)
  SN74HC03N (IR000350)
  Quad 2 Input NAND



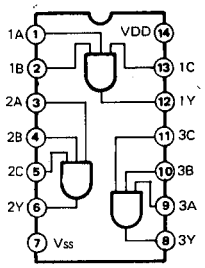
- **SN74HCU04N** (IG142250)
  SN74HC04N (IR000450)
  SN74HC05N (IR000550)
  Hex Inverter



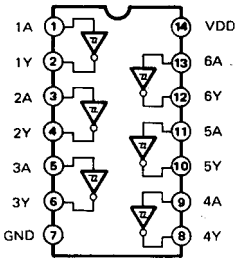
- **SN74HC08N** (IR000850)
  Quad 2 Input AND



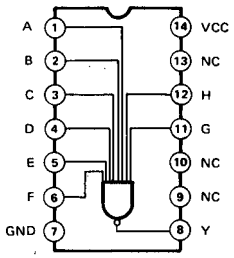
- **SN74HC11N** (IR001150)
  Triple 3 Input AND



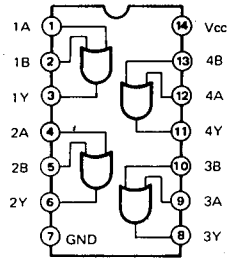
- **SN74HC14N** (IR001450)
  Hex Inverter



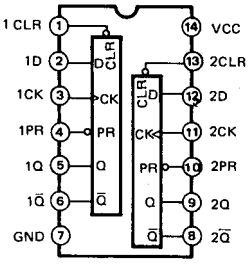
- **SN74HC30N** (IR003050)
  8 Input NAND



- **SN74HC32N** (IR003250)
  Quad 2 Input OR

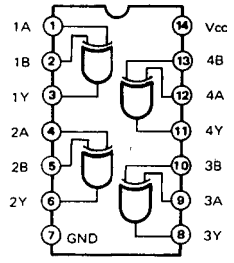


- **SN74HC74N** (IR007450)
  Dual D-Type Flip-Flop

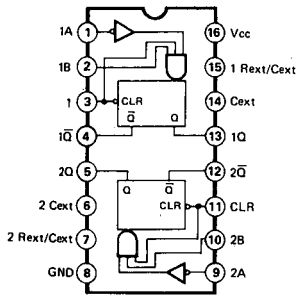


INPUTS				OUTPUTS	
PR	CLR	CLK	D	Q	Q̄
L	H	X	X	H	L
H	L	X	X	L	H
L	L	X	X	H	H
H	H	↑	H	H	L
H	H	↑	L	L	H
H	H	L	X	Q_0	$\bar{Q}_0$

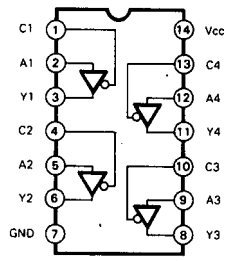
- **TC74HC86P** (IR008600)
  Quad 2 Input EX-OR



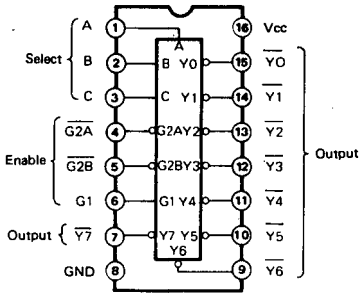
- **TC74HC123AP** (IR012300)
  Dual Retriggerable Single Shot



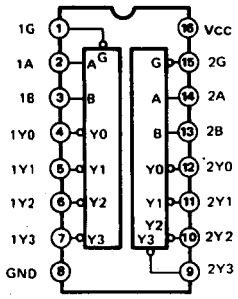
- **SN74HC125N** (IR012550)
  Quad 3-State Bus Buffer



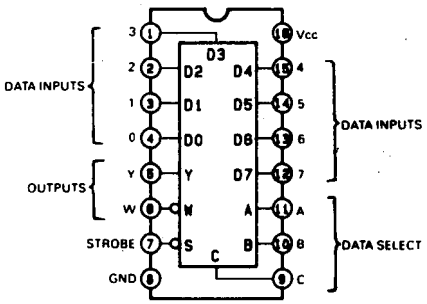
- **SN74HC138N** (IR013850)
  3 to 8 Demultiplexer



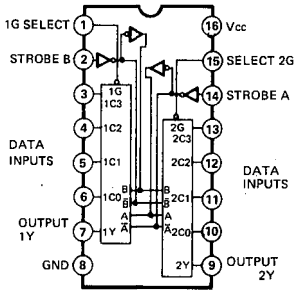
- **SN74HC139N** (IR013950)
  Dual 2 to 4 Demultiplexer



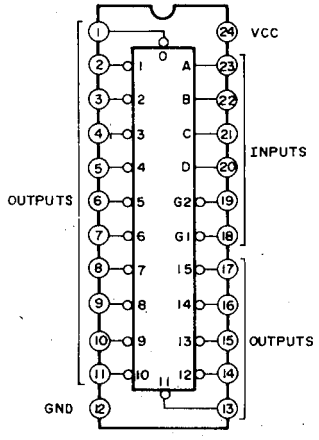
- **SN74HC151N** (IR015150)
  8 to 1 Data Selector/Multiplexer



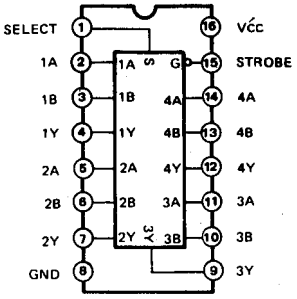
- **SN74HC153N** (IR015350)
  Dual 4 to 1 Data Selectors



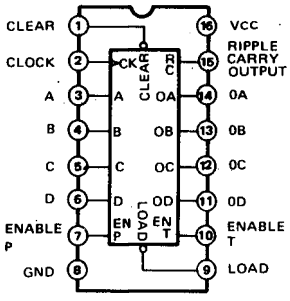
- **TC74HC154AP** (IR015400)
  4 to 16 Demultiplexer



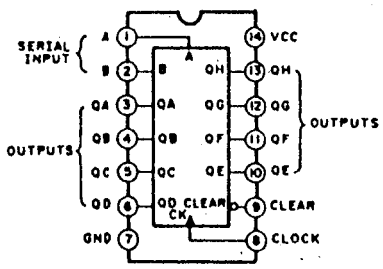
- **SN74HC157N** (IR015750)
  Quad 2 to 1 Multiplexer



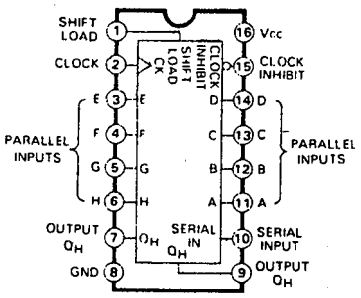
- **SN74HC163N** (IR016350)
  SYNC. Binary Counter



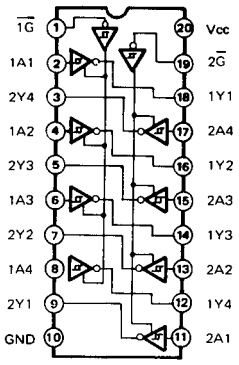
- **SN74HC164N** (IR016450)
  8-Bit Shift Register



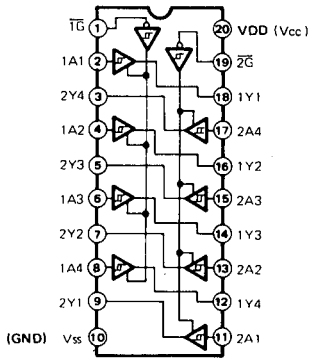
- **SN74HC165N** (IR016550)
  8-Bit Shift Register



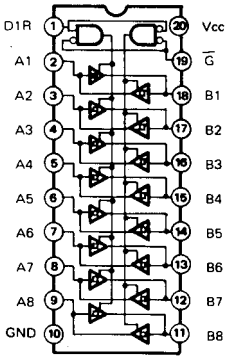
- **HD74LS240P** (IG044500)
  SN74HC240N (IR024050)
  Octal Bus Inverter



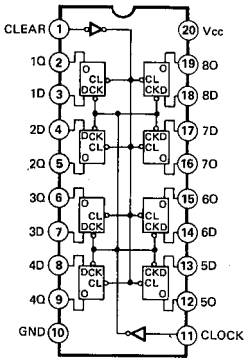
- **SN74HC244** (IR024450)
  Octal 3-State Bus Buffer



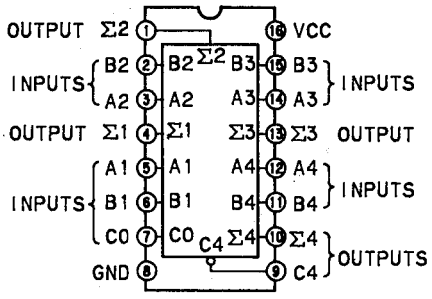
- **SN74HC245N** (IR024550)
  Octal 3-State Bus Transceiver



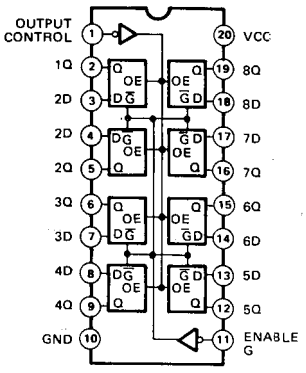
- **SN74HC273N** (IR027350)
  Octal D-Type Flip-Flop



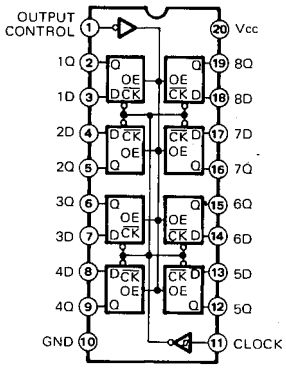
- **TC74HC283AP** (IR028300)
  4-Bit Binary Full Adder



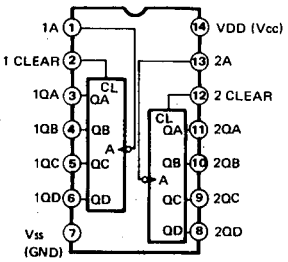
- **SN74HC373N** (IR037350)
  Octal 3-State D-Type Latch



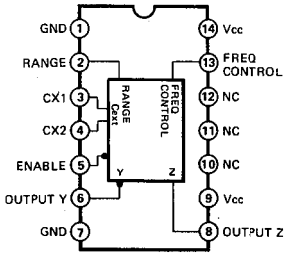
- **SN74HC374N** (IR037450)
  Octal 3-State D-Type Flip-Flop



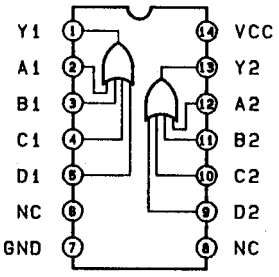
- **SN74HC393N** (IR039350)
  Dual 4-Bit Binary Counter



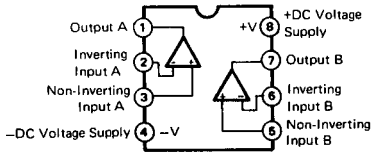
- **SN74LS624N** (IG136400)
  VCO



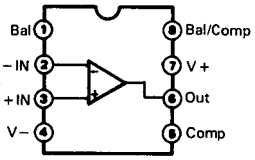
- **TC74HC4072AP** (IR407200)
  Dual 4-Input OR Gate



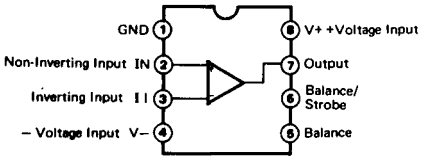
- **RC4558D-V** (IG001390)
  TL082CP (IG052500)
  NE5532P (IG102500)
  M5238P (XA013001)
  NJM4556DD (XE803A00)
  Dual Operational Amplifier



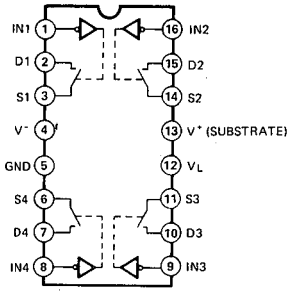
- **NE5534P** (IG076700)
  Operational Amplifier



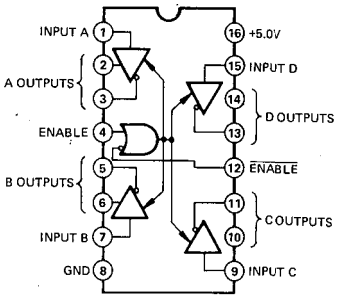
- **μPC311C** (IG033400)
  Voltage Comparator



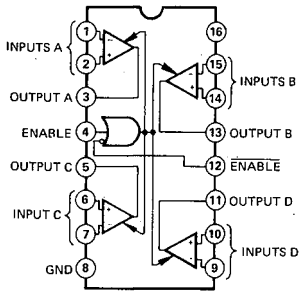
- **NJU211D** (XC555001)
  Analog Switch



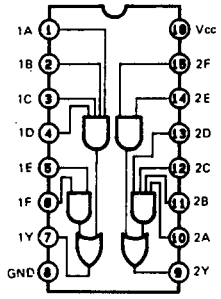
- **AM26LS31PC** (XC570001)
  Line Driver



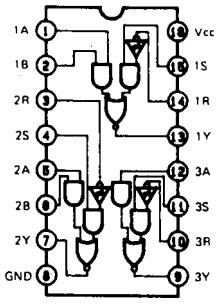
- **AM26LS32PC** (XC571001)
  Line Receiver



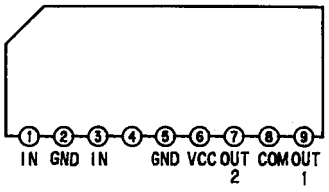
- **SN75121** (XE683A00)
  Line Driver



- **SN75124N** (XE737A00)
  Line Receiver



- **BA6218** (IG153500)
  Motor Driver



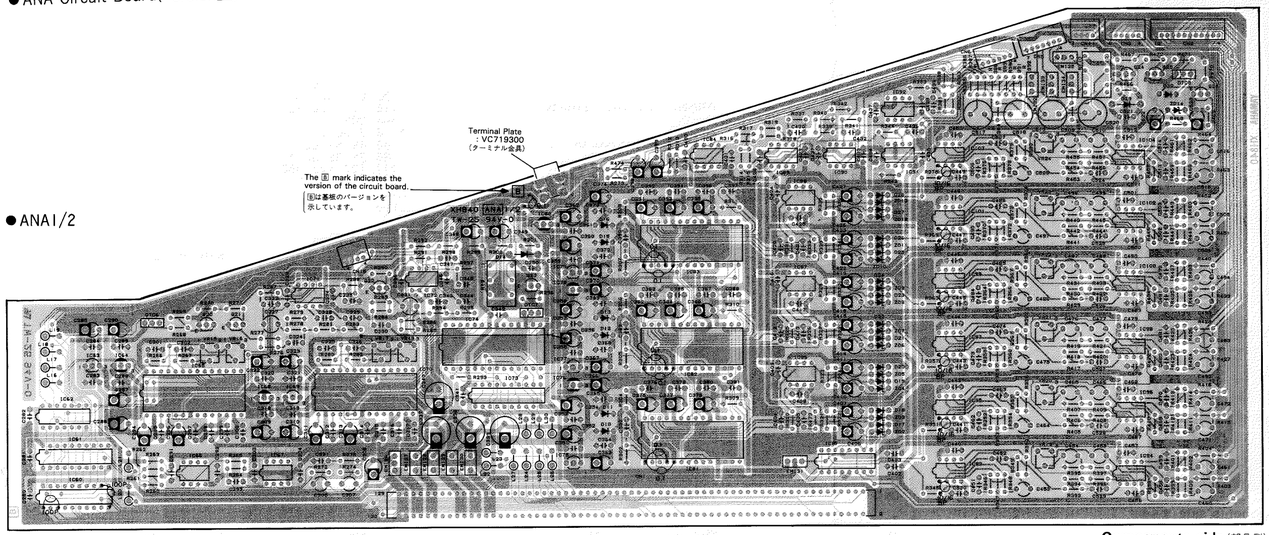
Ⅴ. CIRCUIT BOARDS（シート基板図）

■CONTENTS（目次）

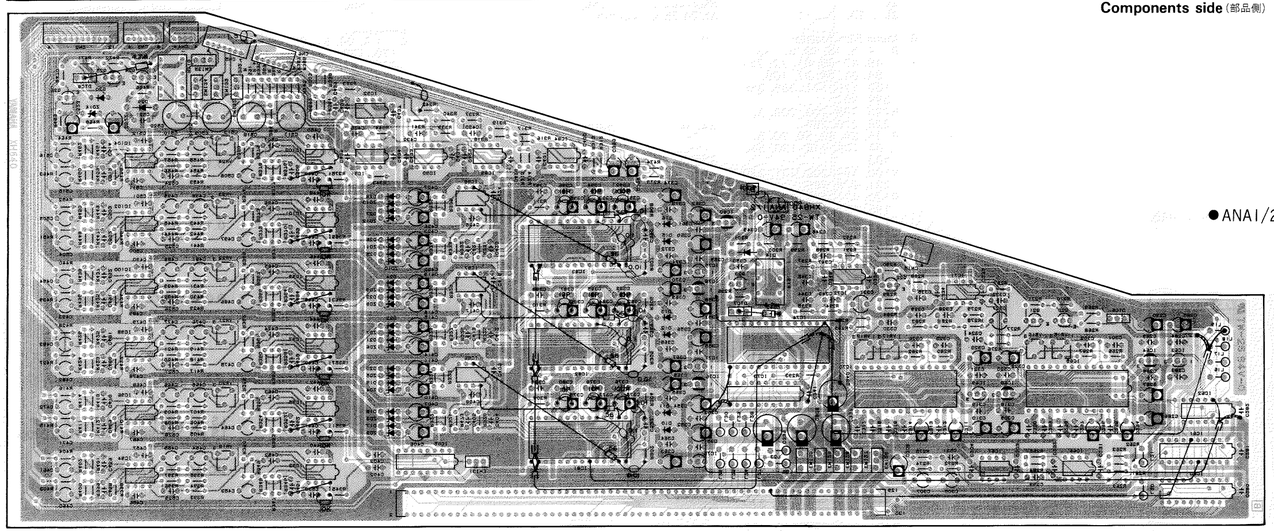
ANA Circuit Board (VirsionB) ……Ⅴ- 1
ANA Circuit Board (VirsionC) ……Ⅴ- 7
CIN Circuit Board ……Ⅴ-10
CLK Circuit Board ……Ⅴ-13
CA Circuit Board ……Ⅴ-16
CPU Circuit Board ……Ⅴ-16
CRA Circuit Board ……Ⅴ-19
CRC Circuit Board ……Ⅴ-19
CRD Circuit Board ……Ⅴ-21
CRE Circuit Board ……Ⅴ-21
CRF Circuit Board ……Ⅴ-23
CRG Circuit Board ……Ⅴ-23
CRH Circuit Board ……Ⅴ-25
CRI Circuit Board ……Ⅴ-25
CRJ Circuit Board ……Ⅴ-27
CRK Circuit Board ……Ⅴ-27
CRL Circuit Board ……Ⅴ-29
CRM Circuit Board ……Ⅴ-29
DSP Circuit Board ……Ⅴ-31
DTB Circuit Board ……Ⅴ-33
FPC Circuit Board ……Ⅴ-35
FPE Circuit Board ……Ⅴ-36
HP Circuit Board ……Ⅴ-36
IN Circuit Board ……Ⅴ-38
MBD Circuit Board ……Ⅴ-41
MDR Circuit Board ……Ⅴ-43
NML Circuit Board ……Ⅴ-43
OUT Circuit Board ……Ⅴ-45
PM Circuit Board ……Ⅴ-48
PMS Circuit Board ……Ⅴ-48
PMD Circuit Board ……Ⅴ-51
PND Circuit Board ……Ⅴ-53
PNL Circuit Board ……Ⅴ-55
PNR Circuit Board ……Ⅴ-57
REL Circuit Board ……Ⅴ-59
RER Circuit Board ……Ⅴ-61
SEG Circuit Board ……Ⅴ-63
POWER SUPPLY UNIT ……Ⅴ-65

● ANA Circuit Board(Version B)

● ANA1/2



Components side (部品側)



● ANA1/2

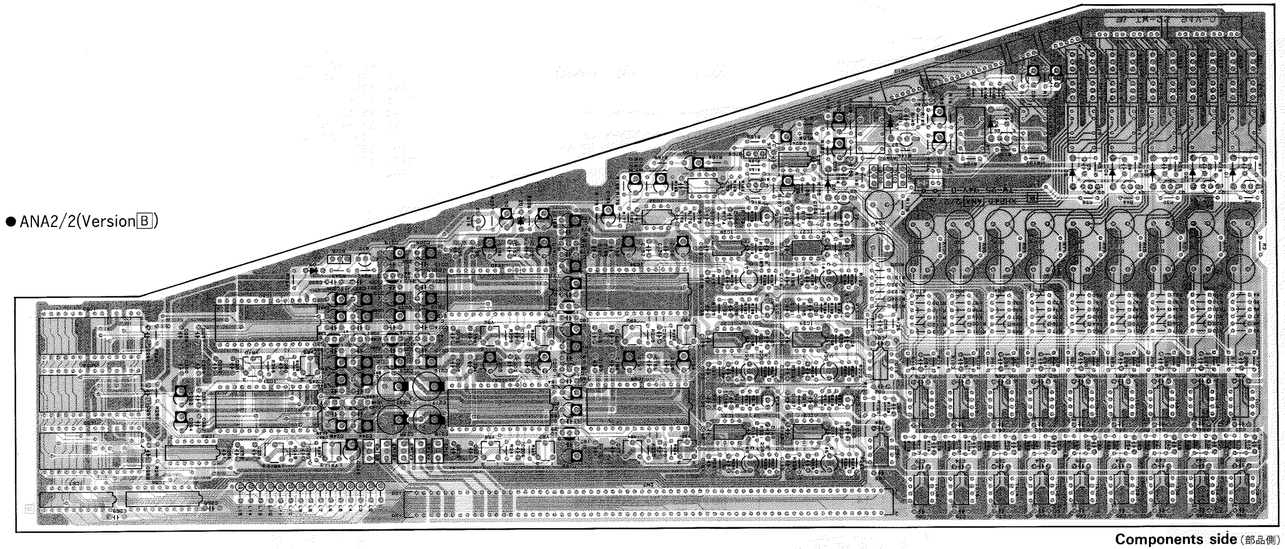
Pattern side (パターン側)

3NA-VK15160 ⚠

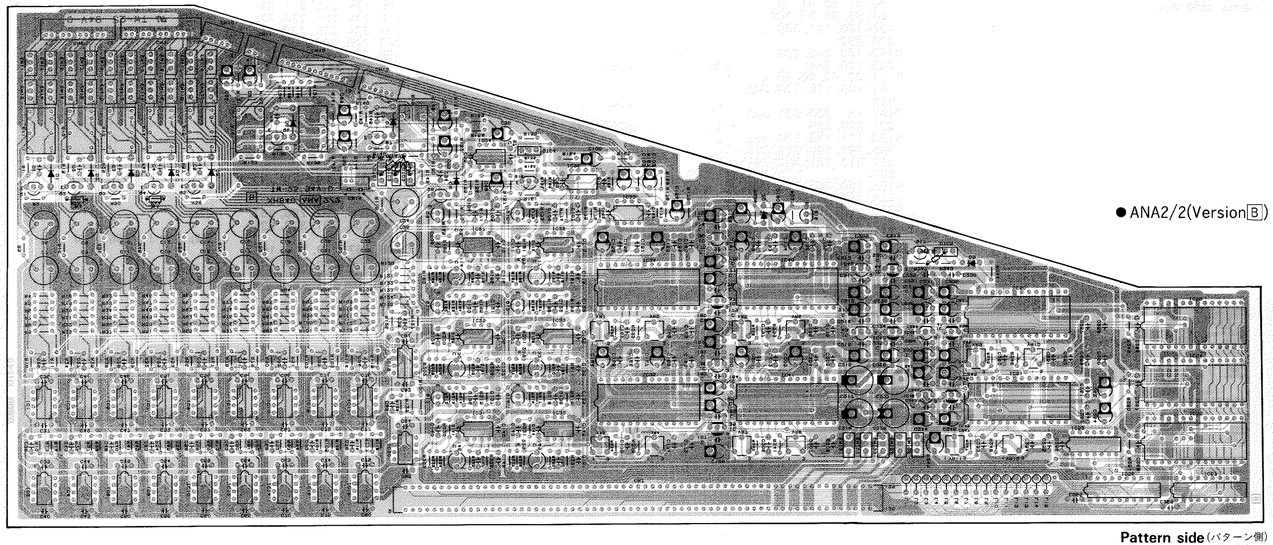
Notes)

Circuit Board:	ANA1/2 (VK707500) XH840B0 ANA2/2 (VK707600) XH840B0
1. IC	
IC 1-20, 89-92:	NE5534P (IG076700) OP AMP.
IC24, 26, 33, 84, 86-88, 93-104:	NE5532P (IG102500) OP AMP.
IC27-32, 71, 72:	M5238P (XA013001) OP AMP.
IC34, 35, 40, 41, 50, 51, 65, 70:	PCM63P-Y (XH987A00) D/A CONVERTER
IC36, 38, 42, 43, 46, 48, 63, 69, 75, 77, 79:	AN78L05 (IG157200) +5V REGULATOR
IC37, 39, 44, 45, 47, 49, 64, 68, 76, 78, 80:	AN79L05 (XF611A00) −5V REGULATOR
IC52, 62:	SN74HC04N (IR000450) INVERTER
IC53-55, 74:	SM5803APT (XH751A00) DIGITAL FILTER
IC56, 57, 60, 61, 73:	SN74HC244 (IR024450) BUS-BUFFER
IC66:	μPC311C (IG033400) COMPARATOR
IC67:	TL082CP (IG052500) OP AMP.
IC81-83:	AK5328-VP (XI521A00) A/D CONVERTER
IC85:	NJU211D (XC555001) ANALOG SWITCH
2. Transistor	
Q 1, 3, 5-8, 17, 23-25:	2SC1815 Y, GR (IC181580)
Q 2, 4, 15, 16, 20, 26:	2SA1015 O, Y (IA101580)
Q 9-14, 21, 22:	2SC2878 A, B (IC287820)
3. Digital Transistor	
DTC 1-8:	DTC143XS (VD488500)
4. Diode	
D 1-8, 14, 29:	1S1885 (IH000240)
D 9, 17-28, 30:	1SS133 (IF003450)
D10-13, 15, 16:	11ES4 (VB481900)
5. Zener Diode	
ZD 1, 14:	RD27EB3 27V (IF005660)
ZD 2-13:	MTZ4.7B (IX608000)
6. Metal Film Resistor	
R 4, 5, 18, 19, 32, 33, 46, 47, 60, 61, 72, 73, 84, 85, 96, 97, 108, 109, 120, 121, 386, 388, 389, 392:	75.0Ω 1/6 F (VC819600)
R183, 188, 203, 208, 223, 228, 276, 284:	220.0Ω 1/6 F (VC820900)
R 14, 28, 42, 56, 70, 82, 94, 106, 118, 130, 340, 383:	430.0Ω 1/6 F (VC821600)
R180, 181, 200, 201, 220, 221, 278, 285:	510.0Ω 1/6 F (VC821800)
R170, 171, 173, 174, 193, 195, 197, 199, 213, 215, 217, 219, 281, 283, 294, 295:	1.0KΩ 1/6 F (VC822500)
R185, 190, 205, 210, 225, 230, 287, 291:	1.5KΩ 1/4 F (VB065900)
R349, 355, 361, 367, 373, 379, 393, 405, 417, 429, 441, 453:	4.3KΩ 1/6 F (VC824000)
R399, 401, 412, 413, 423, 425, 435, 437, 447, 449, 459, 461:	8.2KΩ 1/6 F (VC824700)
R 8, 9, 11, 13, 22, 23, 25, 27, 36, 37, 39, 41, 50, 51, 53, 55, 64, 65, 67, 69, 76, 77, 79, 81, 88, 89, 91, 93, 100, 101, 103, 105, 112, 113, 115, 117, 124, 125, 127, 129, 314, 315, 318, 319, 339, 342, 343, 348, 354 360, 366, 372, 378, 381:	10.0KΩ 1/6 F (VC824900)
R400, 402, 411, 414, 424, 426, 436, 438, 448, 450, 460, 462:	12.0KΩ 1/6 F (VC825100)
R346, 352, 358, 364, 370, 376:	13.0KΩ 1/6 F (VC825200)
R404, 416, 428, 440, 452, 464:	22.0KΩ 1/6 F (VC825700)
R 10, 12, 24, 26, 38, 40, 52, 54, 66, 68, 78, 80, 90, 92, 102, 104, 114, 116, 126, 128, 337, 341, 344, 382:	39.0KΩ 1/6 F (VC826300)
R 6, 7, 20, 21, 34, 35, 48, 49, 62, 63, 74, 75, 86, 87, 98, 99, 110, 111, 122, 123, 385, 387, 390, 391:	43.0KΩ 1/6 F (VC826400)
R403, 415, 427, 439, 451, 463:	68.0KΩ 1/6 F (VC826900)
7. Trimmer Potentiometer	
VR 1-12, 15-18:	B220K 3P RHE (VA788500)
VR19-24:	B10K EVN-D4A (VA024800)
8. Electrolytic Cap.	
C217, 218, 227, 228 337-340:	330μ 35V (UJ858330)
9. Ceramic Cap.	
C 36, 37, 39-42, 44-47, 49-52, 54-57, 59-62, 64-67, 69-72, 74-77, 79-82, 84, 85, 95, 97, 99, 101, 109, 110, 112, 113, 125, 126, 128, 129, 141, 142, 144, 145, 152, 153, 291, 292, 303, 304, 333, 334, 336, 346, 381, 388-390, 397, 400-405, 408, 409, 412, 413, 416, 417, 420, 421, 424, 425, 428, 429, 431, 433-435, 437, 438, 440-450, 456, 457, 467, 468, 478, 479, 489, 490, 500, 501, 511, 512, 530, 532:	10000P 16V N (VD843800)
10. Semiconductive Cera. Cap.	
C 1-5, 88, 91, 94, 174, 175, 178, 179, 182, 183, 186, 187, 210, 211, 214, 215, 220, 221, 224, 225, 233, 234, 238, 239, 242, 243, 246, 247, 256, 265, 269, 280-284, 288, 289, 318-321, 341, 350, 351, 353, 355, 357, 359, 361, 364, 365, 368, 369, 372, 373, 521:	0.1μ 25V Z (VC694800)
11. Monolithic Cera. Cap.	
C266-268, 342, 376, 378, 380, 383, 385, 387, 392, 394, 396:	0.1μ 50V K (VF611200)
12. Monolithic Mylar Cap.	
C161, 162, 170, 171, 197, 198, 206, 207, 250, 251, 253, 254, 301, 302, 325, 326:	0.022μ 50V J (VJ663000)
C156, 157, 159, 160, 163, 165, 166, 168, 169, 172, 192, 193, 195, 196, 199, 201, 202, 204, 205, 208, 229, 230, 252, 255, 257-261, 263, 295, 297-300, 312, 314-317:	0.22μ 50V J (VJ663100)
13. EMI Filter	
EMI 1-20, 32-35:	LS MT B271KB (FZ006920) 270P
EMI21-31:	LS MT Y223NB (FZ006970) 22000P
14. Relay	
RY 1-10:	DC AG 8023 (VD613500)
15. Ferrite Bead	
L 1-30:	BL02RN1-R62T4 (GE300610)
16. Jumper Wire	
R151, 152:	Jumper wire

● ANA2/2(Version B)



Components side (部品側)



● ANA2/2(Version B)

Pattern side (パターン側)

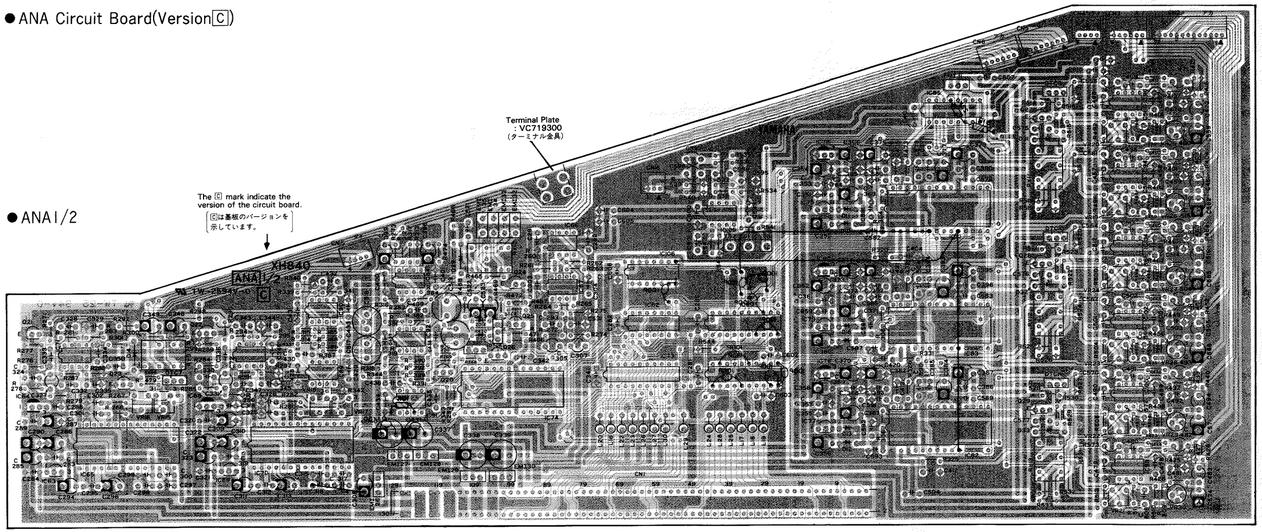
Notes)

	Circuit Board:	ANA1/2 (VK707500) XH840B0 ANA2/2 (VK707600) XH840B0
1.	IC	
	IC 1-20, 89-92:	NE5534P (IG076700) OP AMP.
	IC24, 26, 33, 84, 86-88, 93-104:	NE5532P (IG102500) OP AMP.
	IC27-32, 71, 72:	M5238P (XA013001) OP AMP.
	IC34, 35, 40, 41, 50, 51, 65, 70:	PCM63P-Y (XH987A00) D/A CONVERTER
	IC36, 38, 42, 43, 46, 48, 63, 69, 75, 77, 79:	AN78L05 (IG157200) +5V REGULATOR
	IC37, 39, 44, 45, 47, 49, 64, 68, 76, 78, 80:	AN79L05 (XF611A00) −5V REGULATOR
	IC52, 62:	SN74HC04N (IR000450) INVERTER
	IC53-55, 74:	SM5803APT (XH751A00) DIGITAL FILTER
	IC56, 57, 60, 61, 73:	SN74HC244 (IR024450) BUS-BUFFER
	IC66:	μPC311C (IG033400) COMPARATOR
	IC67:	TL082CP (IG052500) OP AMP.
	IC81-83:	AK5328-VP (XI521A00) A/D CONVERTER
	IC85:	NJU211D (XC555001) ANALOG SWITCH
2.	Transistor	
	Q 1, 3, 5-8, 17, 23-25:	2SC1815 Y, GR (IC181580)
	Q 2, 4, 15, 16, 20, 26:	2SA1015 O, Y (IA101580)
	Q 9-14, 21, 22:	2SC2878 A, B (IC287820)
3.	Digital Transistor	
	DTC 1-8:	DTC143XS (VD488500)
4.	Diode	
	D 1-8, 14, 29:	1S1885 (IH000240)
	D 9, 17-28, 30:	1SS133 (IF003450)
	D10-13, 15, 16:	11ES4 (VB481900)
5.	Zener Diode	
	ZD 1, 14:	RD27EB3 27V (IF005660)
	ZD 2-13:	MTZ4.7B (IX608000)
6.	Metal Film Resistor	
	R 4, 5, 18, 19, 32, 33, 46, 47, 60, 61, 72, 73, 84, 85, 96, 97, 108, 109, 120, 121, 386, 388, 389, 392:	75.0Ω 1/6 F (VC819600)
	R183, 188, 203, 208, 223, 228, 276, 284:	220.0Ω 1/6 F (VC820900)
	R 14, 28, 42, 56, 70, 82, 94, 106, 118, 130, 340, 383:	430.0Ω 1/6 F (VC821600)
	R180, 181, 200, 201, 220, 221, 278, 285:	510.0Ω 1/6 F (VC821800)
	R170, 171, 173, 174, 193, 195, 197, 199, 213, 215, 217, 219, 281, 283, 294, 295:	1.0KΩ 1/6 F (VC822500)
	R185, 190, 205, 210, 225, 230, 287, 291:	1.5KΩ 1/4 F (VB065900)
	R349, 355, 361, 367, 373, 379, 393, 405, 417, 429, 441, 453:	4.3KΩ 1/6 F (VC824000)
	R399, 401, 412, 413, 423, 425, 435, 437, 447, 449, 459, 461:	8.2KΩ 1/6 F (VC824700)
	R 8, 9, 11, 13, 22, 23, 25, 27, 36, 37, 39, 41, 50, 51, 53, 55, 64, 65, 67, 69, 76, 77, 79, 81, 88, 89, 91, 93, 100, 101, 103, 105, 112, 113, 115, 117, 124, 125, 127, 129, 314, 315, 318, 319, 339, 342, 343, 348, 354 360, 366, 372, 378, 381:	10.0KΩ 1/6 F (VC824900)
	R400, 402, 411, 414, 424, 426, 436, 438, 448, 450, 460, 462:	12.0KΩ 1/6 F (VC825100)
	R346, 352, 358, 364, 370, 376:	13.0KΩ 1/6 F (VC825200)
	R404, 416, 428, 440, 452, 464:	22.0KΩ 1/6 F (VC825700)
	R 10, 12, 24, 26, 38, 40, 52, 54, 66, 68, 78, 80, 90, 92, 102, 104, 114, 116, 126, 128, 337, 341, 344, 382:	39.0KΩ 1/6 F (VC826300)
	R 6, 7, 20, 21, 34, 35, 48, 49, 62, 63, 74, 75, 86, 87, 98, 99, 110, 111, 122, 123, 385, 387, 390, 391:	43.0KΩ 1/6 F (VC826400)
	R403, 415, 427, 439, 451, 463:	68.0KΩ 1/6 F (VC826900)
7.	Trimmer Potentiometer	
	VR 1-12, 15-18:	B220K 3P RHE (VA788500)
	VR19-24:	B10K EVN-D4A (VA024800)
8.	Electrolytic Cap.	
	C217, 218, 227, 228 337-340:	330μ 35V (UJ858330)
9.	Ceramic Cap.	
	C 36, 37, 39-42, 44-47, 49-52, 54-57, 59-62, 64-67, 69-72, 74-77, 79-82, 84, 85, 95, 97, 99, 101, 109, 110, 112, 113, 125, 126, 128, 129, 141, 142, 144, 145, 152, 153, 291, 292, 303, 304, 333, 334, 336, 346, 381, 388-390, 397, 400-405, 408, 409, 412, 413, 416, 417, 420, 421, 424, 425, 428, 429, 431, 433-435, 437, 438, 440-450, 456, 457, 467, 468, 478, 479, 489, 490, 500, 501, 511, 512, 530, 532:	10000P 16V N (VD843800)
10.	Semiconductive Cera. Cap.	
	C 1-5, 88, 91, 94, 174, 175, 178, 179, 182, 183, 186, 187, 210, 211, 214, 215, 220, 221, 224, 225, 233, 234, 238, 239, 242, 243, 246, 247, 256, 265, 269, 280-284, 288, 289, 318-321, 341, 350, 351, 353, 355, 357, 359, 361, 364, 365, 368, 369, 372, 373, 521:	0.1μ 25V Z (VC694800)
11.	Monolithic Cera. Cap.	
	C266-268, 342, 376, 378, 380, 383, 385, 387, 392, 394, 396:	0.1μ 50V K (VF611200)
12.	Monolithic Mylar Cap.	
	C161, 162, 170, 171, 197, 198, 206, 207, 250, 251, 253, 254, 301, 302, 325, 326:	0.022μ 50V J (VJ663000)
	C156, 157, 159, 160, 163, 165, 166, 168, 169, 172, 192, 193, 195, 196, 199, 201, 202, 204, 205, 208, 229, 230, 252, 255, 257-261, 263, 295, 297-300, 312, 314-317:	0.22μ 50V J (VJ663100)
13.	EMI Filter	
	EMI 1-20, 32-35:	LS MT B271KB (FZ006920) 270P
	EMI21-31:	LS MT Y223NB (FZ006970) 22000P
14.	Relay	
	RY 1-10:	DC AG 8023 (VD613500)
15.	Ferrite Bead	
	L 1-30:	BL02RN1-R62T4 (GE300610)
16.	Jumper Wire	
	R151, 152:	Jumper wire

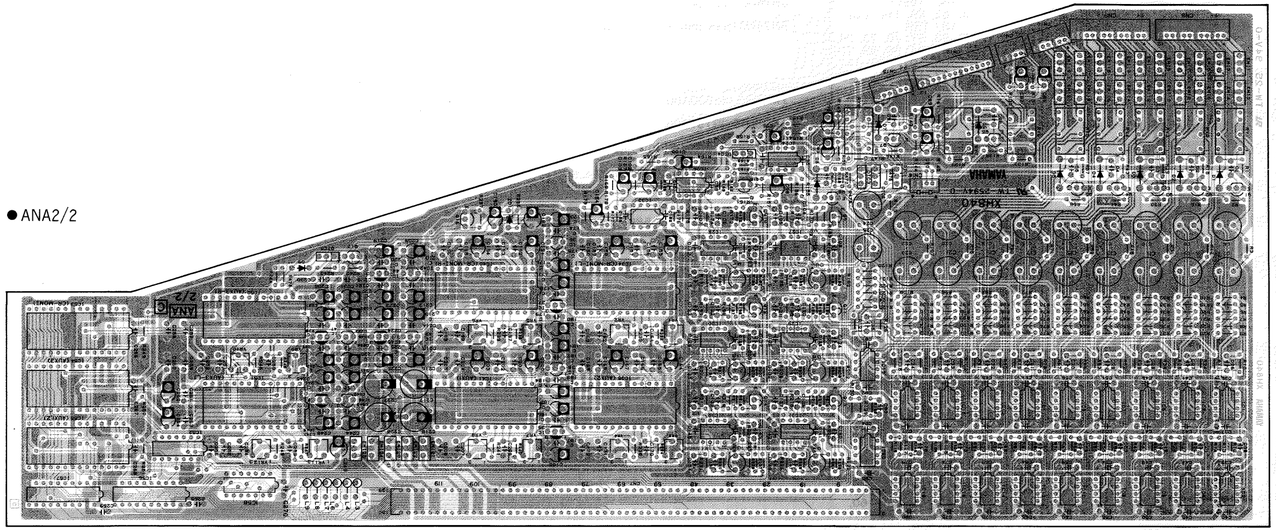
3NA-VK15160 ⚠

● ANA Circuit Board(Version C)

● ANA1/2



● ANA2/2



Components side (部品側)

3NA-VK15160 ⚠

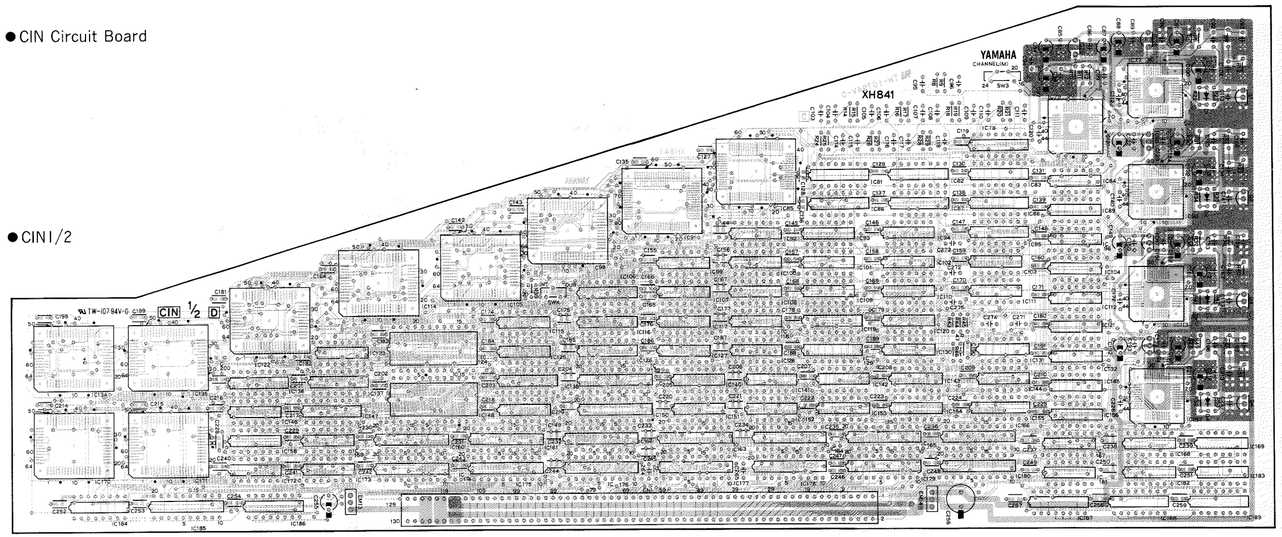
DMC1000

Notes)

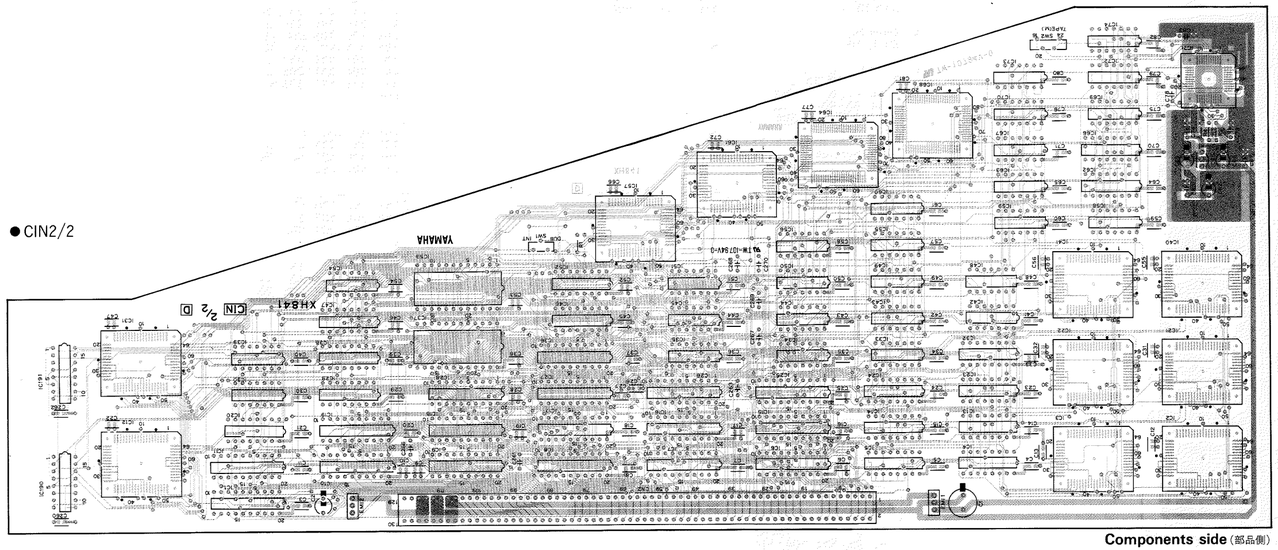
Circuit Board:	ANA1/2 (VK707500) XH840C0 ANA2/2 (VK707600) XH840C0	
1. IC		
IC 1-20, 89-92:	NE5534P (IG076700) OP AMP.	
IC 24, 26, 33, 84, 94, 96, 98, 100, 102, 104:	NE5532P (IG102500) OP AMP.	
IC 27-32, 71, 72:	M5238P (XA013001) OP AMP.	
IC 34, 35, 40, 41, 50, 51, 65, 70:	PCM63P-Y (XH987A00) D/A CONVERTER	
IC 36, 38, 42, 43, 46, 48, 63, 69, 75, 77, 79:	AN78L05 (IG157200) + 5V REGULATOR	
IC 37, 39, 44, 45, 47, 49, 64, 68, 76, 78, 80:	AN79L05 (XF611A00) – 5V REGULATOR	
IC 52, 62:	SN74HC04N (IR000450) INVERTER	
IC 53-55, 74:	SM5803APT (XH751A00) DIGITAL FILTE	
IC 56, 57, 60, 61, 73:	SN74HC244 (IR024450) BUS-BUFFER	
IC 58:	SN74HC08N (IR000850) AND	
IC 66:	μPC311C (IG033400) COMPARATOR	
IC 67:	TL082CP (IG052500) OP AMP.	
IC 81-83:	AK5328-VP (XI521A00) A/D CONVERTER	
IC 85:	NJU211D (XC555001) ANALOG SWITCH	
IC106:	SN74HC32N (IR003250) OR	
2. Transistor		
Q 1, 3, 5-8, 17, 23-25, 27-29:	2SC1815 Y, GR (IC181580)	
Q 2, 4, 15, 16, 20, 26:	2SA1015 O, Y (IA101580)	
Q 9-14, 21, 22:	2SC2878 A, B (IC287820)	
3. Digital Transistor		
DTC 1-11:	DTC143XS (VD488500)	
4. Diode		
D 1-8, 14, 29, 31-33:	1S1885 (IH000240)	
D 9, 30:	1SS133 (IF003450)	
D10-13, 15, 16:	11ES4 (VB481900)	
5. Zener Diode		
ZD 1, 14:	RD27EB3 27V (IF005660)	
6. Metal Film Resistor		
R 4, 5, 18, 19, 32, 33, 46, 47, 60, 61, 72, 73, 84, 85, 96, 97, 108, 109, 120, 121, 386, 388, 389, 392:	75.0Ω 1/6 F (VC819600)	
R183, 188, 203, 208, 223, 228, 276, 284:	220.0Ω 1/6 F (VC820900)	
R 14, 28, 42, 56, 70, 82, 94, 106, 118, 130, 340, 383:	430.0Ω 1/6 F (VC821600)	
R180, 181, 200, 201, 220, 221, 278, 285:	510.0Ω 1/6 F (VC821800)	
R170, 171, 173, 174, 193, 195, 197, 199, 213, 215, 217, 219, 281, 283, 294, 295:	1.0KΩ 1/6 F (VC822500)	
R185, 190, 205, 210, 225, 230, 287, 291:	1.5KΩ 1/4 F (VB065900)	
R399, 401, 412, 413, 423, 425, 435, 437, 447, 449, 459, 461:	5.1KΩ 1/4 F (VA074200)	
R 8, 9, 11, 13, 22, 23, 25, 27, 36, 37, 39, 41, 50, 51, 53, 55, 64, 65, 67, 69, 76, 77, 79, 81, 88, 89, 91, 93, 100, 101, 103, 105, 112, 113, 115, 117, 124, 125, 127, 129, 314, 315, 318, 319, 339, 342, 343, 348, 354 360, 381:	10.0KΩ 1/6 F (VC824900)	
R400, 402, 411, 414, 424, 426, 436, 438, 448, 450, 460, 462:	12.0KΩ 1/6 F (VC825100)	
R404, 416, 428, 440, 452, 464:	24.0KΩ 1/4 F (VB068200)	
R 10, 12, 24, 26, 38, 40, 52, 54, 66, 68, 78, 80, 90, 92, 102, 104, 114, 116, 126, 128, 337, 341, 344, 382:	39.0KΩ 1/6 F (VC826300)	
R 6, 7, 20, 21, 34, 35, 48, 49, 62, 63, 74, 75, 86, 87, 98, 99, 110, 111, 122, 123, 385, 387, 390, 391:	43.0KΩ 1/6 F (VC826400)	
R403, 415, 427, 439, 451, 463:	68.0KΩ 1/6 F (VC826900)	
7. Trimmer Potentiometer		
VR 1-12, 15-18:	B220K 3P RHE (VA788500)	
VR19-24:	B5.0K 3P EVN (VD753100)	
VR25-30:	B500 3P 3321H (VD753100)	
8. Electrolytic Cap.		
C217, 218, 227, 228, 337-340:	330μ 35V (UJ858330)	
9. Ceramic Cap.		
C 36, 37, 39-42, 44-47, 49-52, 54-57, 59-62, 64-67, 69-72, 74-77, 79-82, 84, 85, 95, 97, 99, 101, 109, 110, 112, 113, 125, 126, 128, 129, 141, 142, 144, 145, 152, 153, 291, 292, 303, 304, 333, 334, 336, 346, 400-405, 412, 413, 420, 421, 428, 429, 431, 433-435, 437, 438, 456, 457, 467, 468, 478, 479, 489, 490, 500, 501, 511, 512:	10000P 16V N (VD843800)	
10. Semiconductive Cera. Cap.		
C 1-5, 88, 91, 94, 174, 175, 178, 179, 182, 183, 186, 187, 210, 211, 214, 215, 220, 221, 224, 225, 233, 234, 238, 239, 242, 243, 246, 247, 256, 265, 269, 270, 280-284, 288, 289, 318-321, 341, 350, 351, 353, 355, 357, 359, 361, 364, 365, 368, 369, 372, 373, 521, 575-577, 606:	0.1μ 25V Z (VC694800)	
11. Monolithic Cera. Cap.		
C266-268, 342, 376, 378, 380, 383, 385, 387, 392, 394, 396, 581, 582, 586, 587, 592, 593:	0.1μ 50V K (VF611200)	
12. Monolithic Mylar Cap.		
C161, 162, 170, 171, 197, 198, 206, 207, 250, 251, 253, 254, 301, 302, 325, 326:	0.022μ 50V J (VJ663000)	
C156, 157, 159, 160, 163, 165, 166, 168, 169, 172, 192, 193, 195, 196, 199, 201, 202, 204, 205, 208, 229, 230, 252, 255, 257-261, 263, 295, 297-300, 312, 314-317:	0.22μ 50V J (VJ663100)	
13. EMI Filter		
EMI 1-20, 32-35:	LS MT B271KB (FZ006920) 270P	
EMI21-31:	LS MT Y223NB (FZ006970) 22000P	
14. Relay		
RY 1-13:	DC AG 8023 (VD613500)	
15. Ferrite Bead		
L 3, 4, 6-9, 16-20, 22-30:	BL02RN1-R62T4 (GE300610)	

● CIN Circuit Board

● CIN1/2



● CIN2/2



Components side (部品側)

Notes)

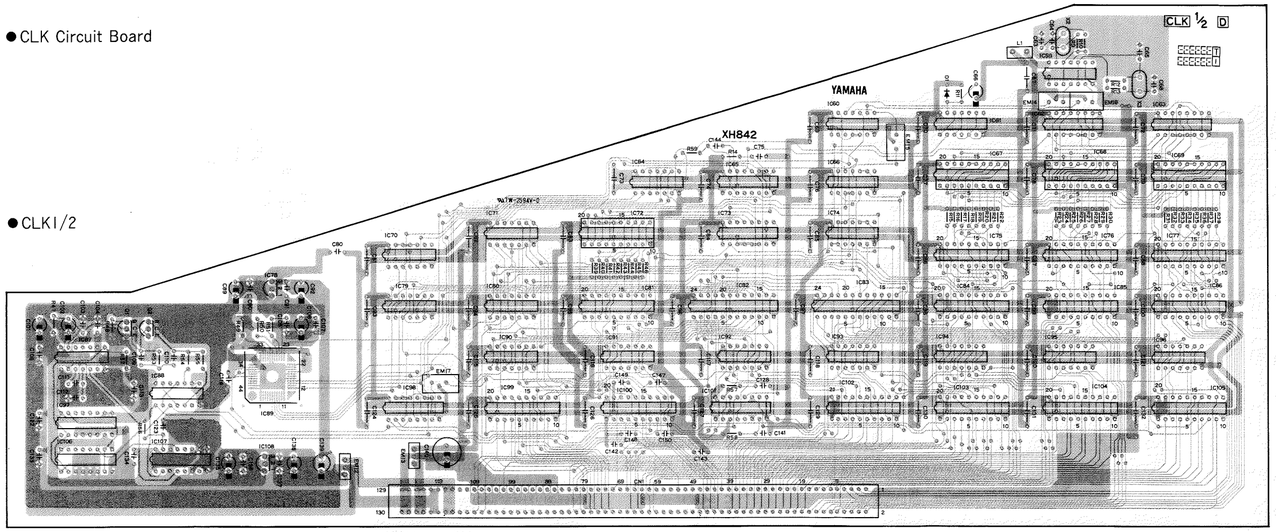
Circuit Board: CIN1/2 (VK708100) XH841D0
CIN2/2 (VK708200) XH841D0

1. IC
   - IC 1, 6-11, 15, 16, 18, 19, 26, 160, 163-166, 174-180, 185: SN74HC244 (IR024450) BUS-BUFFER
   - IC 2, 3, 12, 21, 22, 31, 40, 41, 57, 61, 98, 105, 114, 122, 134, 135, 170, 171: YM6067 (XH494A00) PSC4
   - IC 4, 13, 23, 32: SN74HC151N (IR015150) MULTIPLEXER
   - IC 5, 38, 46, 47, 52, 106, 116, 126, 136, 137, 147, 184: SN74HC157N (IR015750) DATA-SELECTOR
   - IC 14, 24: SN74HC153N (IR015350) 4-1 SELECTOR
   - IC 17, 27, 28, 36, 139, 150, 161, 162: SN74HC273N (IR027350) D-FF OCTAL
   - IC 20, 155, 186: SN74HC138N (IR013850) DECODER 3-8
   - IC 25: SN74HC374N (IR037450) D-FF
   - IC 29, 138: SN74HC139N (IR013950) DECODER 2-4
   - IC 30, 34, 35, 39, 84, 100, 104, 132, 146, 158, 168, 173: SN74HC08N (IR000850) AND
   - IC 33, 42, 43, 48-51, 55, 56, 60, 72, 92, 115, 118, 128, 130, 131, 140-144, 151-154, 159: SN74HC125N (IR012550) 3S-BUFFER
   - IC 37, 53, 124, 148: YMAB04 (XH888A00) BIT SHIFT
   - IC 44, 54, 125, 167, 172, 182: SN74HC04N (IR000450) INVERTER
   - IC 45, 59, 69, 108, 123, 149: SN74HC32N (IR003250) OR
   - IC 58, 89, 109, 112, 145, 169: SN74HC164N (IR016450) SHIFT REGISTER
   - IC 62, 66, 119, 129, 187-189: SN74HC163N (IR016350) COUNTER
   - IC 63, 67, 70, 73, 74, 93, 94, 96, 99, 101-103, 107, 110, 111, 117, 120, 121, 127, 156, 181, 183: SN74HC74N (IR007450) D-FF
   - IC 64, 68, 85, 91: YM6035 (XE800A00) PSC2
   - IC 65, 75, 76, 80, 97, 133: AN78L05 (IG157200) +5V REGULATOR
   - IC 71, 77, 79, 90, 113, 157: YM3436BG (XG948C00) DIR2
   - IC 78, 81-83, 86-88, 95: TC74HC123AP (IR012300) SINGLE SHOT
   - IC190, 191: YM3422B (XE862B00) ESI
2. Transistor
   - Q 1-4: 2SC1815 Y, GR (IC181580)
3. Diode
   - D 1-4: 1SS133 (IF003450)
4. Electrolytic Cap.
   - C 1, 256: 470μ 16V (UJ838470)
5. Semiconductive Cera. Cap.
   - C 63, 67, 83, 85, 86, 89, 90, 94, 122, 123, 150, 151, 193, 194: 0.1μ 16V M (FZ004100)
6. Monolithic Cera. Cap.
   - C 73, 98: 0.22μ 50V Z (VJ786300)
   - C 74, 78, 99, 101, 112, 120, 133, 140, 162, 172, 212, 226: 1.5μ 25V Z (VD534400)
7. Chip Cera. Cap.
   - C 3-61, 64-66, 70-72, 75-77, 79-82, 119, 127-131, 135-139, 142-148, 155-160, 164-171, 174-191, 198-210, 214-225, 228-254, 257-260, 262: F 0.01μ 50V Z (UB044100)
8. EMI Filter
   - EMI 1-4: LS MT Y223NB (FZ006970) 22000P
9. Slide Switch
   - SW 1, 4: SSS212 (KA401270)
   - SW 2, 3: SSSS213 (VK500200)

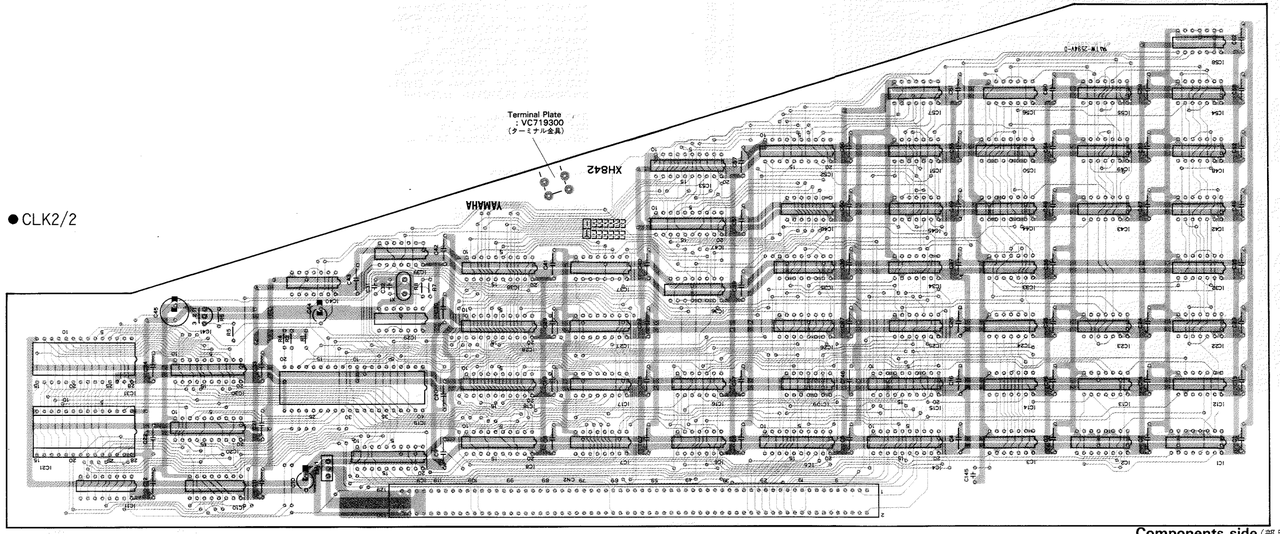
3NA-VK15190 △

● CLK Circuit Board

● CLK1/2



● CLK2/2



Components side (部品側)

3NA-VK15200 △

Notes)

Circuit Board: CLK1/2 (VK708300) XH842D0
CLK2/2 (VK708400) XH842D0

1. IC
   - IC 1, 2, 62, 63, 73, 97, 106: SN74HC163N (IR016350) COUNTER
   - IC 3, 12, 34, 46, 57: SN74HC164N (IR016450) SHIFT REGISTER
   - IC 4, 5, 9, 53, 84-86, 99, 100, 102-105: SN74HC244 (IR024450) BUS-BUFFER
   - IC 6: SN74HC00N (IR000050) NAND
   - IC 7, 17, 27, 36, 37: SN74HC165N (IR016550) SHIFT REGISTER
   - IC 8, 15, 18, 28, 38, 75-77, 81: SN74HC273N (IR027350) D-FF OCTAL
   - IC 10, 11: SN74HC139N (IR013950) DECODER 2-4
   - IC 13, 16, 80: SN74HC04N (IR000450) INVERTER
   - IC 14, 24: TC74HC4072AP (IR407200) OR
   - IC 19: HD63BC3RP (IG105200) CPU 8bit
   - IC 20, 30, 47, 52: SN74HC373N (IR037350) D-LATCH
   - IC 21: D27C010 (XI569B00) EP ROM
   - IC 22, 23, 42, 43, 45, 48, 49, 51, 54, 55, 70, 109: SN74HC74N (IR007450) D-FF
   - IC 25, 64, 74: SN74HC32N (IR003250) OR
   - IC 26, 35, 44, 50, 98: SN74HC157N (IR015750) DATA-SELECTOR
   - IC 29, 59: SN74HCU04N (IG142250) INVERTER
   - IC 31: LH5164D-10L (XF876A00) SRAM 64K
   - IC 32, 56, 58: TC74HC86P (IR008600) EX-OR
   - IC 33, 39, 66: SN74HC08N (IR000850) AND
   - IC 40, 61: SN74HC14N (IR001450) INVERTER
   - IC 41: PST5188-2 (IG116200) SYSTEM RESET
   - IC 60, 71, 79, 90-96: SN74HC125N (IR012550) 3S-BUFFER
   - IC 65, 101, 107: TC74HC123AP (IR012300) SINGLE SHOT MV
   - IC 67: MB7116HM (XI562B00) EP ROM (T1)
   - IC 68: MB7116HM (XI565B00) EP ROM (T2)
   - IC 69: MB7116HM (XI566B00) EP ROM (T3)
   - IC 72: MB7116HM (XI567B00) EP ROM (T4)
   - IC 78, 108: AN78L05 (IG157200) +5V REGULATOR
   - IC 82, 83: TC74HC154AP (IR015400) DECODER 4-16
   - IC 87: SN74LS624N (IG136400) VCO
   - IC 88: MC4044 (IG057900) F.DETECT
   - IC 89: YM3436BG (XG948C00) DIR2

2. Transistor
   - Q 1, 2: 2SC1815 Y, GR (IC181580)

3. Diode
   - D 1: 1SS133 (IF003450)

4. Electrolytic Cap.
   - C 45, 139: 470μ 16V (UJ838470)

5. Semiconductive Cera. Cap.
   - C 90, 91, 136, 137: 0.1μ 16V M (FZ004100)

6. Monolithic Cera. Cap.
   - C103, 104, 107, 108, 113, 114, 122, 133, 134: 1.5μ 25V Z (VD534400)
   - C105: 0.22μ 50V Z (FZ005780)

7. Maica Capacitor
   - C111: 8P 500V J (FU450800)

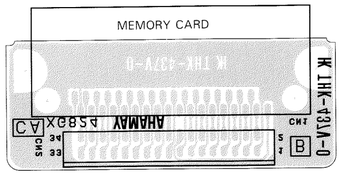
8. Coil
   - L 1: 20μ FL5R200QNT (VB835000)

9. EMI Filter
   - EMI 1-3: LS MT Y223NB (FZ006970) 22000P
   - EMI 4-7: NFV610-655T2A (VH227800) 50MHz

10. Ceramic Resonator
    - X 1: CSA8.00MT (QU008500) 8MHz

11. Quartz Crystal Unit
    - X 2: AF5883CK (VI551900) 11.2896MHz
    - X 3: AF2138CG (VI552000) 12.288MHz

● CA Circuit Board



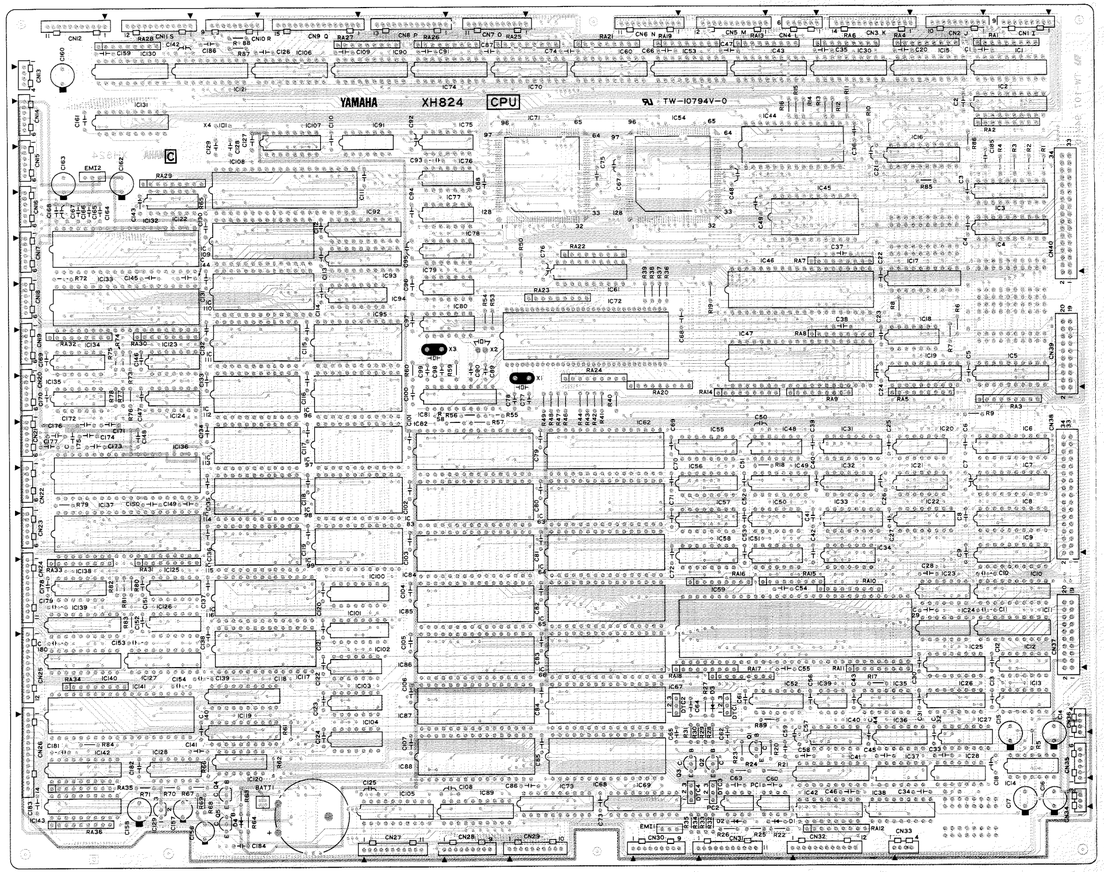
Pattern side (パターン側)

Notes)

Circuit Board: CA (VK155000) XG824B0

1. Connector, IC Card (MEMORY CARD)
   CN1: IC3A-38PS-1.27D (VF821100) 38P

● CPU Circuit Board



Components side (部品側)

Notes)

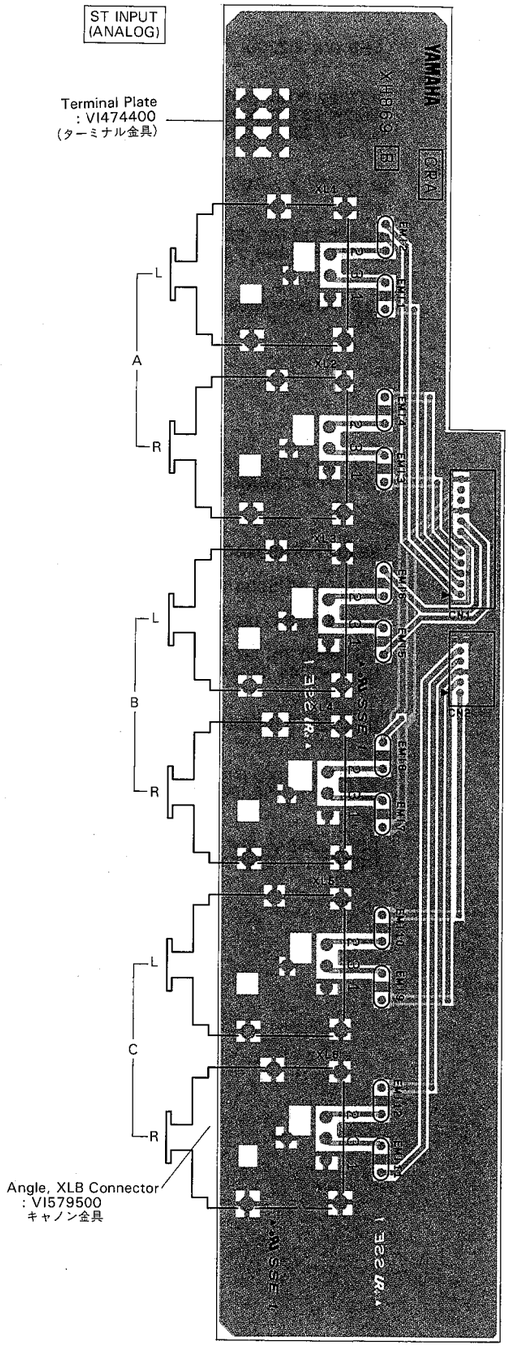
Circuit Board: CPU (VK151200) XH824C0

1. IC
   IC 1, 2, 5, 15, 19, 30, 142, 143: SN74HC374N (IR037450) D-FF
   IC 3, 6-8, 10, 16, 81, 89, 105, 121, 127, 131, 139, 140: SN74HC244 (IR024450) BUS-BUFFER
   IC 4, 17: SN74HC240N (IR024050) BUS-BUFFER
   IC 9, 11, 61, 69, 73, 106: SN74HC245N (IR024550) TRANSCEIVER
   IC 12, 20, 21, 27, 34, 51, 75: SN74HC32N (IR003250) OR
   IC 13, 77, 102, 122: SN74HC74N (IR007450) D-FF
   IC 14: SC17661C (XB088001) DC-DC CONVERTER
   IC 18: SN74HC125N (IR012550) 3S-BUFFER
   IC 22, 31, 33, 49, 55-58, 94, 100: SN74HC138N (IR013850) DECODER 3-8
   IC 23, 28, 128: SN74HC14N (IR001450) INVERTER
   IC 24, 103: SN74HC00N (IR000050) NAND
   IC 25, 101: SN74HC139N (IR013950) DECODER 2-4
   IC 26: SN74HC157N (IR015750) DATA-SELECTOR
   IC 32: SN74HC30N (IR003050) NAND
   IC 35: SN74HC03N (IR000350) NAND
   IC 36: SN74HC08N (IR000850) AND
   IC 37: SN74HC164N (IR016450) SHIFT REGISTER
   IC 40, 78, 79: SN74HC393N (IR039350) COUNTER
   IC 41, 43, 53, 60, 70, 74, 90, 130: SN74HC273N (IR027350) D-FF OCTAL
   IC 44: WD1772PH-02 (XB623001) FDC
   IC 45, 95-99, 111-115: μPD71054C (XC310A00) P.T.C
   IC 46, 47, 133, 137: μPD71055C (XB361001) PPI
   IC 48, 50, 52, 91, 104: SN74HC04N (IR000450) INVERTER
   IC 54, 71: YM6604 (XH497A00) ACIA
   IC 59: HD68HC000P12 (XC806A00) CPU
   IC 62-67, 82-87: HM628128LP-10 (XI580A00) SRAM 1M
   IC 68: D27C010-120V10 (XI559A00) EPROM BOOT-O
   IC 72: HD63C01Y0RS37P (XH499B00) CPU
   IC 76: TC74HC86P (IR008600) EX-OR
   IC 80: SN74HCU04N (IG142250) INVERTER
   IC 88: D27C010-120V10 (XI563A00) EPROM BOOT-E
   IC 92, 93, 118, 119: SN74HC373N (IR037350) D-LATCH
   IC107: MSM58321RS (IG090400) RTC
   IC108, 141: HD63B03RP (IG105200) CPU 8bit
   IC109: TMS27C128-20JL (XI560A00) EPROM FADER1
   IC110, 117: LH5164D-10L (XF876A00) SRAM 64K
   IC116: TMS27C128-20JL (XI564A00) EPROM FADER2
   IC120: SN74HC05N (IR000550) INVERTER
   IC123-126, 134, 135, 138: SN74HC11N (IR001150) AND
   IC129: PST518B-2 (IG116200) SYSTEM RESET
   IC132, 136: HD46508A-1 (IG129200) DATA IN
2. Photo Coupler
   PC 1, 2: 6N137 (VD473200)
3. Transistor
   Q 1-4: 2SC1815 Y, GR (IC181580)
   Q 5: 2SA1015 O, Y (IA101580)
4. Digital Transistor
   DTC 1-4: DTC143XS (VD488500)
5. Transistor Array
   IC 38, 42: TD62381P (VJ041400)
6. Diode
   D 1-4: 1SS133 (IF003450)
7. Resistor Array
   RA 1-36: RGLD8X472J (VE331200)
8. Electrolytic Cap.
   C160, 162, 163: 470μ 10V (UJ828470)
9. Ceramic Cap.
   C 1-13, 18, 20-58, 60, 61, 66-76, 79-88, 91-97, 100-127, 130-147, 149-154, 159, 161, 169, 170, 178-183, 185, 186: 10000P 16V N (VD843800)
10. Monolithic Cera. Cap.
    C 63, 64, 148, 164-168, 171-177: 0.1μ 50V Z (VI307100)
11. EMI Filter
    EMI 1, 2: LS MT Y223NB (FZ006970) 22000P
12. Ceramic Resonator
    X 2: CSB (VJ041100) 1.2288MHz
13. Quartz Crystal Unit
    IC 39: EXO-3C (VF939500) 24MHz
    X 1: AT-49 (VJ040900) 10.752MHz
    X 3: AT-51 (VE804600) 16MHz
    X 4: (VA070900) 32.768KHz
14. Lithium Battery
    BATT: CR2450-HE4 (VF913300)

CA: 3NA-VJ02600 △
CPU: 3NA-VK15120 △

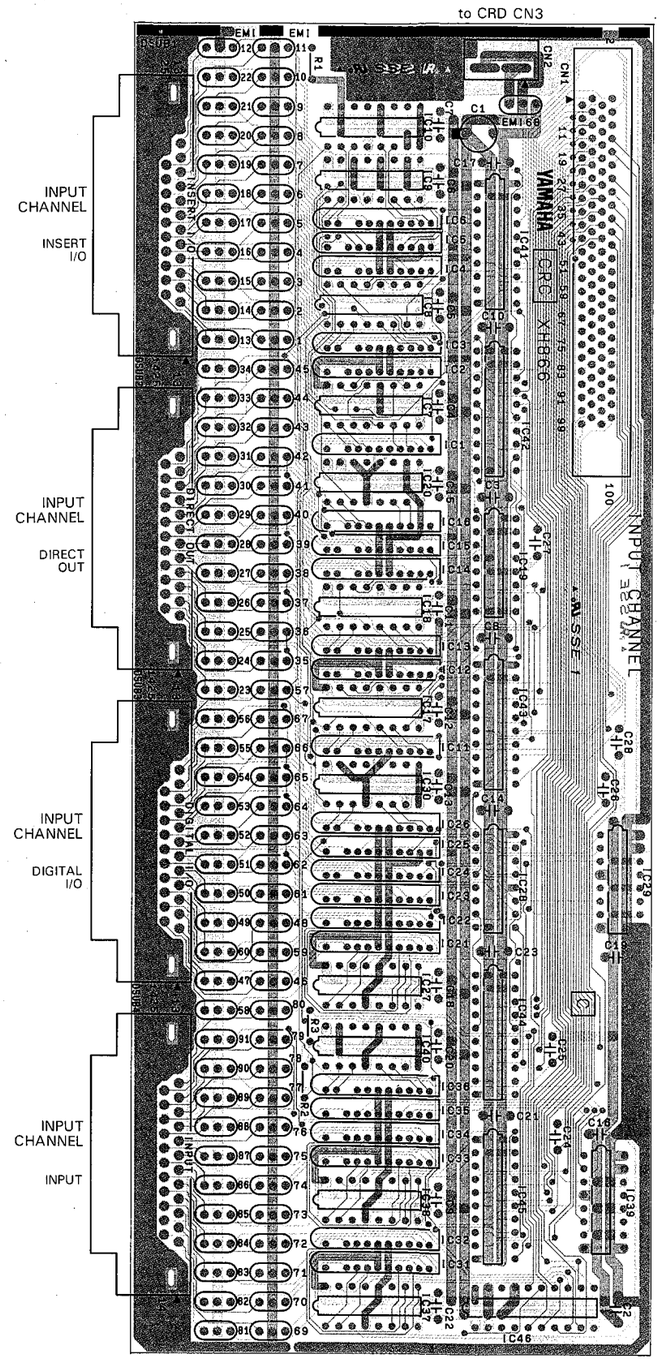
DMC1000

● CRA Circuit Board



Components side (部品側)

● CRC Circuit Board



Components side (部品側)

CRA: 3NA-VK15240 △
CRC: 3NA-VK15210 △

Notes)

Circuit Board: CRA (VK152400) XH869B0 = ST INPUT (ANALOG)

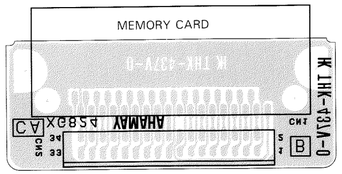
1. EMI Filter
   EMI 1-12: MT-B271KB (FZ007050) 270P
2. XLB Connector
   XL 1-6: XLB-3-31PCV-M09 (VI443700) A(L, R), B(L, R), C(L, R)

Notes)

Circuit Board: CRC (VK152100) XH866C0 = INPUT CHANNEL

1. IC
   IC 1, 2, 5, 16, 21, 22, 25, 31-35: 897021 (XH595A00) RS422 IN
   IC 3, 4, 6, 11-15, 23, 24, 26, 29, 36: 897022 (XH596A00) RS422 OUT
   IC 7, 9, 20, 27, 37-39: AM26LS32PC (XC571001) LINE RECEIVER
   IC 8, 10, 17-19, 28, 30, 40: AM26LS31PC (XC570001) LINE DRIVER
   IC41-46: SN74HC244 (IR024450) BUS-BUFFER
2. Semiconductive Cera. Cap.
   C 2-23: 0.1μ 25V Z (VC694800)
3. EMI Filter
   EMI 1-67, 69-91: LS MT B271KB (FZ006920) 270P
   EMI68: LS MT Y223NB (FZ006970) 22000P
4. D-SUB Connector
   DSUB 1-4: DBLC-J25SAF 25P (VL181700) INSERT I/O, DIRECT OUT, DIGITAL I/O, INPUT

● CA Circuit Board



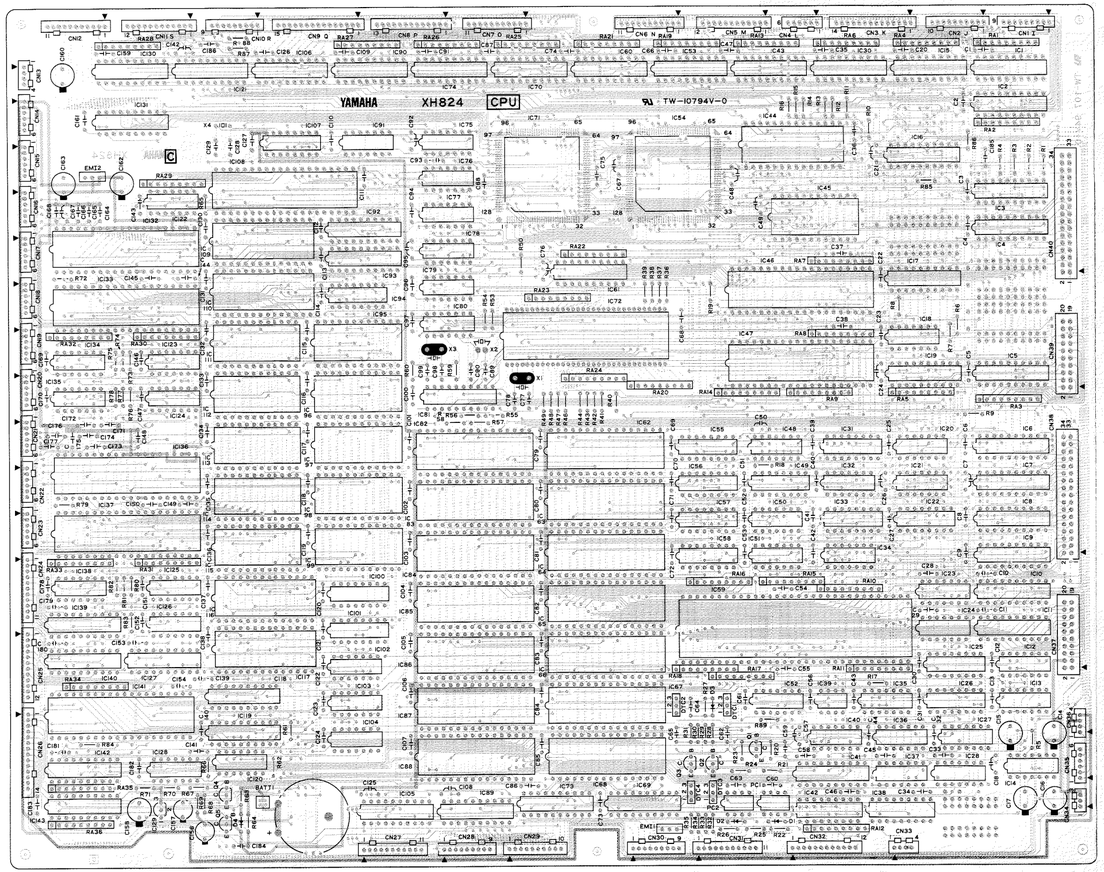
Pattern side (パターン側)

Notes)

Circuit Board: CA (VK155000) XG824B0

1. Connector, IC Card (MEMORY CARD)
   CN1: IC3A-38PS-1.27D (VF821100) 38P

● CPU Circuit Board



Components side (部品側)

Notes)

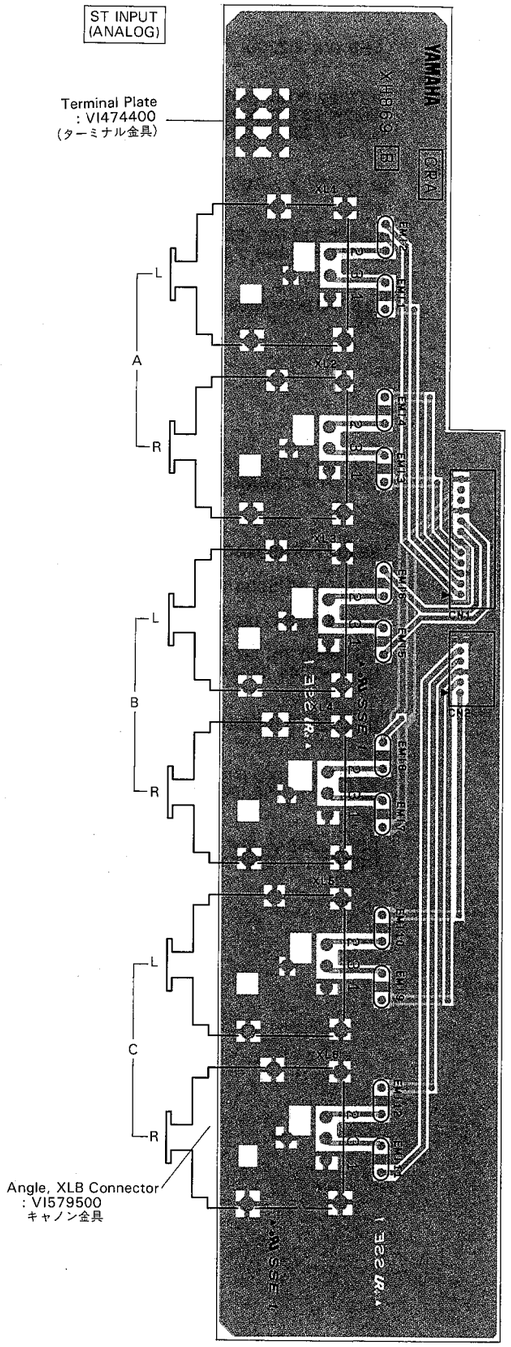
Circuit Board: CPU (VK151200) XH824C0

1. IC
   IC 1, 2, 5, 15, 19, 30, 142, 143: SN74HC374N (IR037450) D-FF
   IC 3, 6-8, 10, 16, 81, 89, 105, 121, 127, 131, 139, 140: SN74HC244 (IR024450) BUS-BUFFER
   IC 4, 17: SN74HC240N (IR024050) BUS-BUFFER
   IC 9, 11, 61, 69, 73, 106: SN74HC245N (IR024550) TRANSCEIVER
   IC 12, 20, 21, 27, 34, 51, 75: SN74HC32N (IR003250) OR
   IC 13, 77, 102, 122: SN74HC74N (IR007450) D-FF
   IC 14: SC17661C (XB088001) DC-DC CONVERTER
   IC 18: SN74HC125N (IR012550) 3S-BUFFER
   IC 22, 31, 33, 49, 55-58, 94, 100: SN74HC138N (IR013850) DECODER 3-8
   IC 23, 28, 128: SN74HC14N (IR001450) INVERTER
   IC 24, 103: SN74HC00N (IR000050) NAND
   IC 25, 101: SN74HC139N (IR013950) DECODER 2-4
   IC 26: SN74HC157N (IR015750) DATA-SELECTOR
   IC 32: SN74HC30N (IR003050) NAND
   IC 35: SN74HC03N (IR000350) NAND
   IC 36: SN74HC08N (IR000850) AND
   IC 37: SN74HC164N (IR016450) SHIFT REGISTER
   IC 40, 78, 79: SN74HC393N (IR039350) COUNTER
   IC 41, 43, 53, 60, 70, 74, 90, 130: SN74HC273N (IR027350) D-FF OCTAL
   IC 44: WD1772PH-02 (XB623001) FDC
   IC 45, 95-99, 111-115: μPD71054C (XC310A00) P.T.C
   IC 46, 47, 133, 137: μPD71055C (XB361001) PPI
   IC 48, 50, 52, 91, 104: SN74HC04N (IR000450) INVERTER
   IC 54, 71: YM6604 (XH497A00) ACIA
   IC 59: HD68HC000P12 (XC806A00) CPU
   IC 62-67, 82-87: HM628128LP-10 (XI580A00) SRAM 1M
   IC 68: D27C010-120V10 (XI559A00) EPROM BOOT-O
   IC 72: HD63C01Y0RS37P (XH499B00) CPU
   IC 76: TC74HC86P (IR008600) EX-OR
   IC 80: SN74HCU04N (IG142250) INVERTER
   IC 88: D27C010-120V10 (XI563A00) EPROM BOOT-E
   IC 92, 93, 118, 119: SN74HC373N (IR037350) D-LATCH
   IC107: MSM58321RS (IG090400) RTC
   IC108, 141: HD63B03RP (IG105200) CPU 8bit
   IC109: TMS27C128-20JL (XI560A00) EPROM FADER1
   IC110, 117: LH5164D-10L (XF876A00) SRAM 64K
   IC116: TMS27C128-20JL (XI564A00) EPROM FADER2
   IC120: SN74HC05N (IR000550) INVERTER
   IC123-126, 134, 135, 138: SN74HC11N (IR001150) AND
   IC129: PST518B-2 (IG116200) SYSTEM RESET
   IC132, 136: HD46508A-1 (IG129200) DATA IN
2. Photo Coupler
   PC 1, 2: 6N137 (VD473200)
3. Transistor
   Q 1-4: 2SC1815 Y, GR (IC181580)
   Q 5: 2SA1015 O, Y (IA101580)
4. Digital Transistor
   DTC 1-4: DTC143XS (VD488500)
5. Transistor Array
   IC 38, 42: TD62381P (VJ041400)
6. Diode
   D 1-4: 1SS133 (IF003450)
7. Resistor Array
   RA 1-36: RGLD8X472J (VE331200)
8. Electrolytic Cap.
   C160, 162, 163: 470μ 10V (UJ828470)
9. Ceramic Cap.
   C 1-13, 18, 20-58, 60, 61, 66-76, 79-88, 91-97, 100-127, 130-147, 149-154, 159, 161, 169, 170, 178-183, 185, 186: 10000P 16V N (VD843800)
10. Monolithic Cera. Cap.
    C 63, 64, 148, 164-168, 171-177: 0.1μ 50V Z (VI307100)
11. EMI Filter
    EMI 1, 2: LS MT Y223NB (FZ006970) 22000P
12. Ceramic Resonator
    X 2: CSB (VJ041100) 1.2288MHz
13. Quartz Crystal Unit
    IC 39: EXO-3C (VF939500) 24MHz
    X 1: AT-49 (VJ040900) 10.752MHz
    X 3: AT-51 (VE804600) 16MHz
    X 4: (VA070900) 32.768KHz
14. Lithium Battery
    BATT: CR2450-HE4 (VF913300)

CA: 3NA-VJ02600 △
CPU: 3NA-VK15120 △

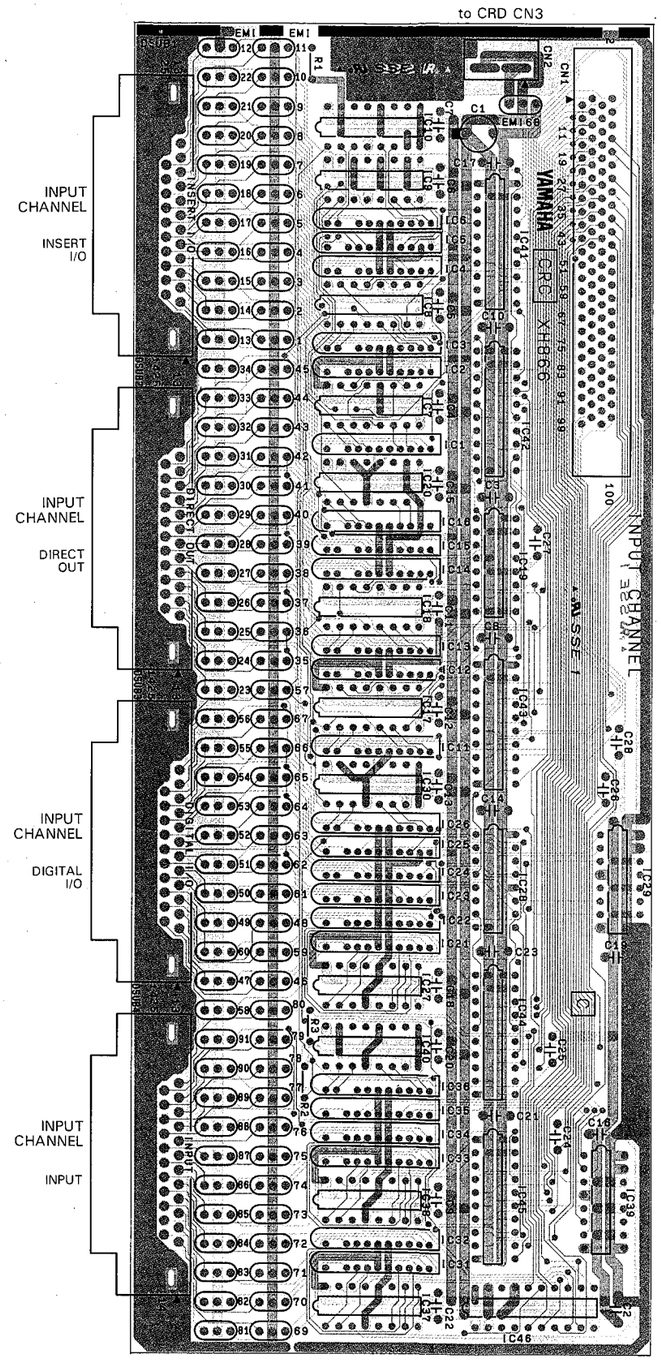
DMC1000

● CRA Circuit Board



Components side (部品側)

● CRC Circuit Board



Components side (部品側)

CRA: 3NA-VK15240 △
CRC: 3NA-VK15210 △

Notes)

Circuit Board: CRA (VK152400) XH869B0 = ST INPUT (ANALOG)

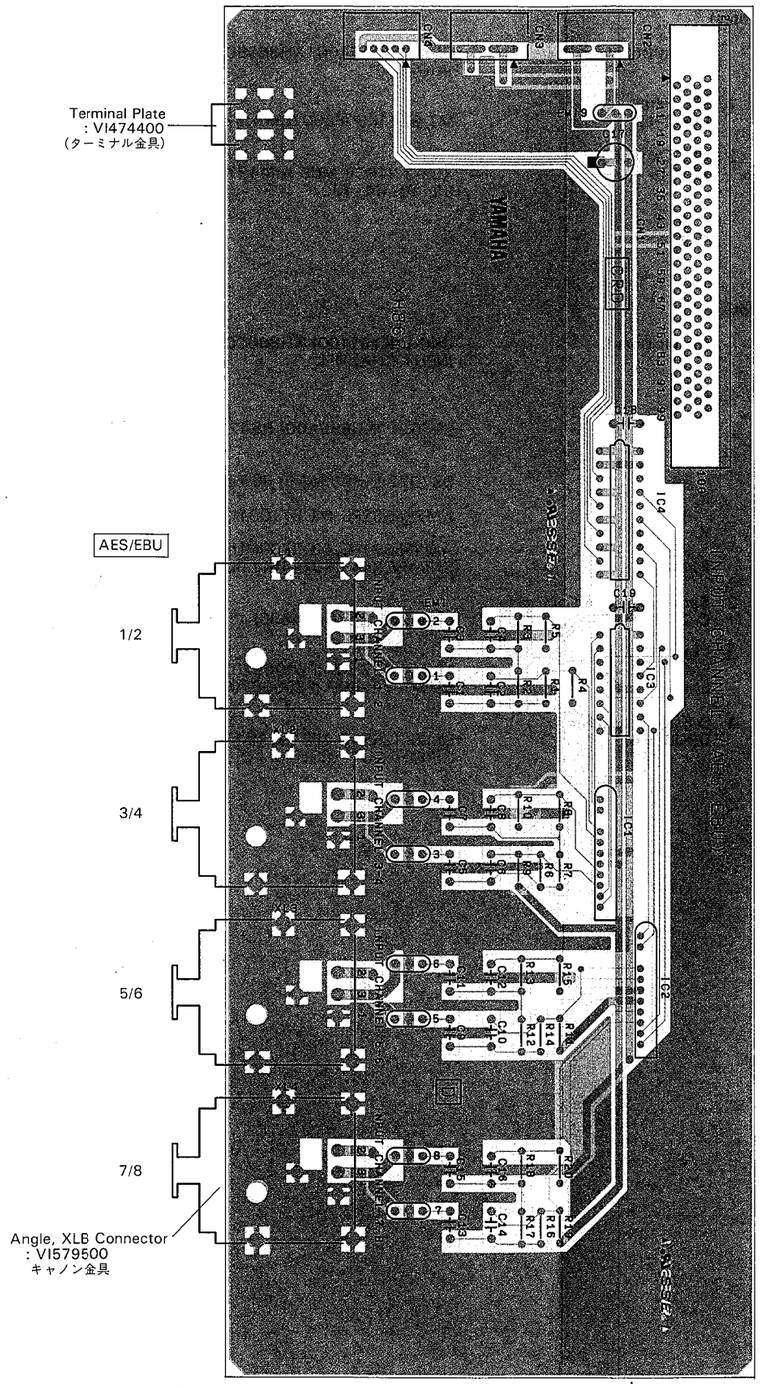
1. EMI Filter
   EMI 1-12: MT-B271KB (FZ007050) 270P
2. XLB Connector
   XL 1-6: XLB-3-31PCV-M09 (VI443700) A(L, R), B(L, R), C(L, R)

Notes)

Circuit Board: CRC (VK152100) XH866C0 = INPUT CHANNEL

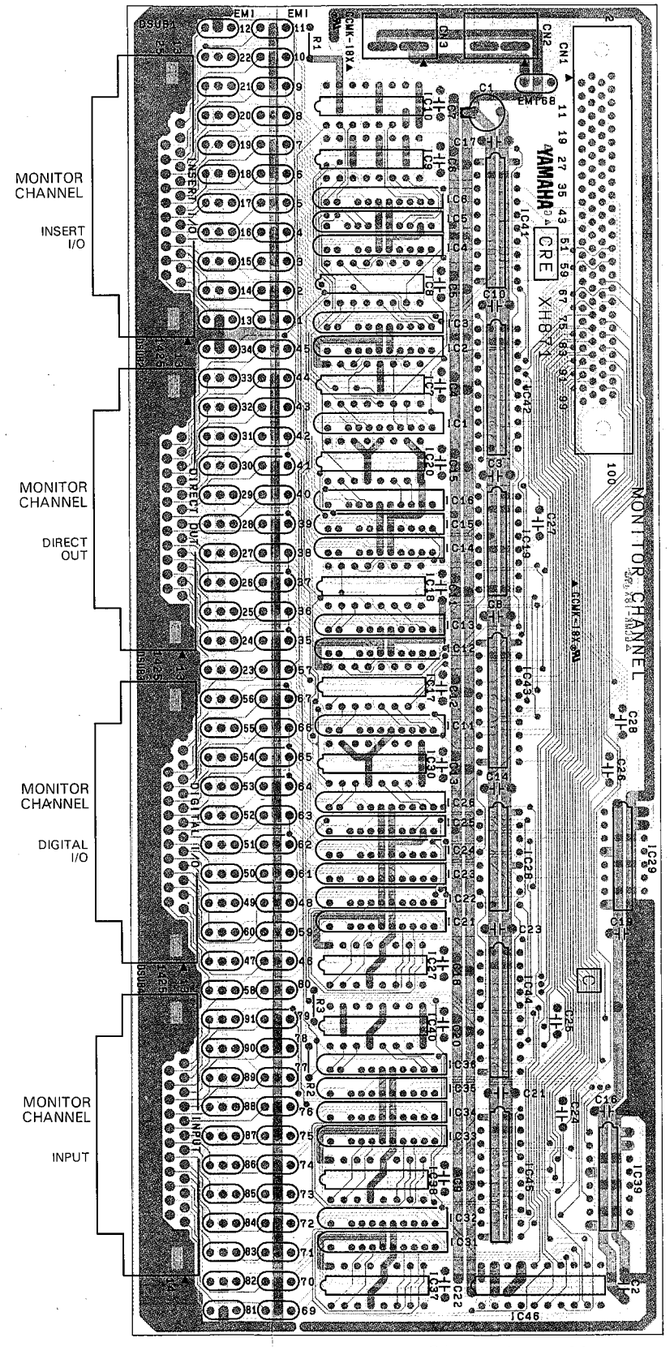
1. IC
   IC 1, 2, 5, 16, 21, 22, 25, 31-35: 897021 (XH595A00) RS422 IN
   IC 3, 4, 6, 11-15, 23, 24, 26, 29, 36: 897022 (XH596A00) RS422 OUT
   IC 7, 9, 20, 27, 37-39: AM26LS32PC (XC571001) LINE RECEIVER
   IC 8, 10, 17-19, 28, 30, 40: AM26LS31PC (XC570001) LINE DRIVER
   IC41-46: SN74HC244 (IR024450) BUS-BUFFER
2. Semiconductive Cera. Cap.
   C 2-23: 0.1μ 25V Z (VC694800)
3. EMI Filter
   EMI 1-67, 69-91: LS MT B271KB (FZ006920) 270P
   EMI68: LS MT Y223NB (FZ006970) 22000P
4. D-SUB Connector
   DSUB 1-4: DBLC-J25SAF 25P (VL181700) INSERT I/O, DIRECT OUT, DIGITAL I/O, INPUT

● CRD Circuit Board



Components side(部品側)

● CRE Circuit Board



Components side(部品側)

Notes)

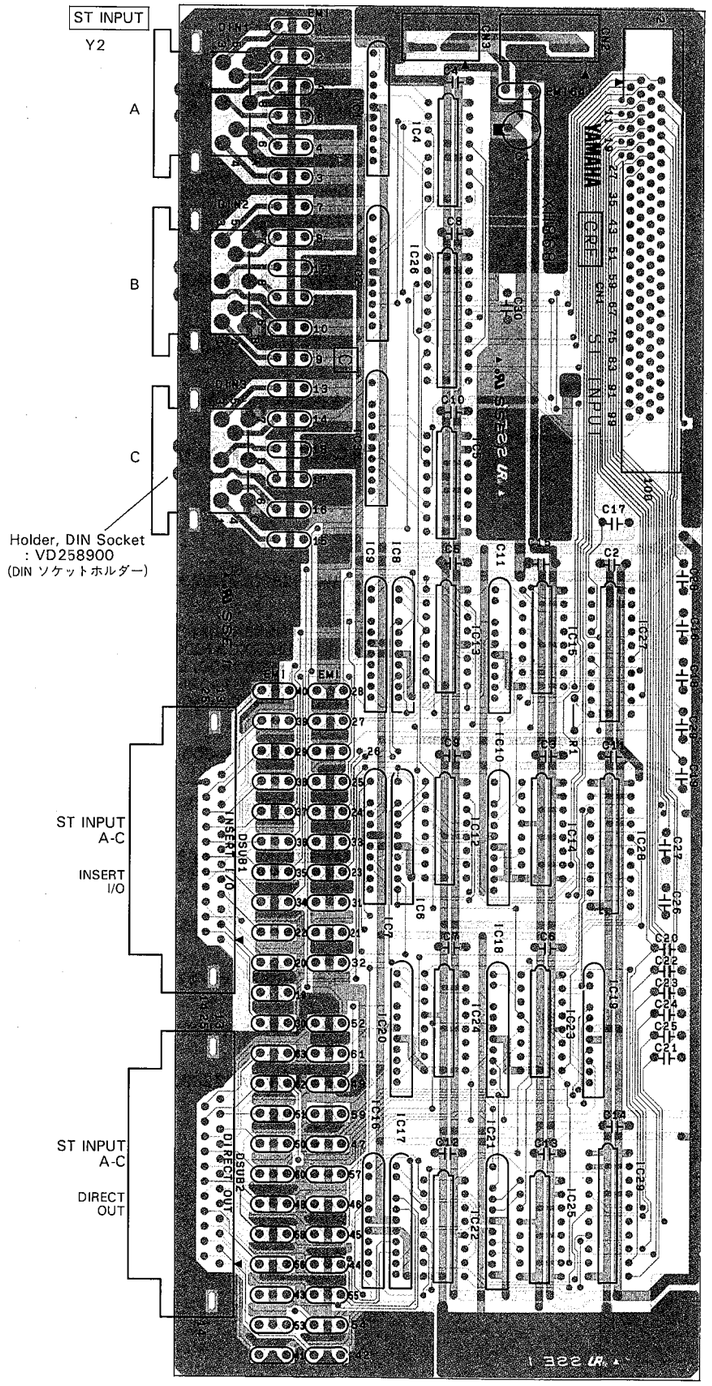
Circuit Board:	CRD (VK152200) XH867D0 = AES/EBU
1. IC	
IC 1, 2:	897022 (XH596A00) RS422 OUT
IC 3:	AM26LS32PC (XC571001) LINE RECEIVER
IC 4:	SN74HC244 (IR024450) BUS-BUFFER
2. Semiconductive Cera. Cap.	
C 18, 19:	0.1μ 25V Z (VC694800)
3. EMI Filter	
EMI 1-8:	LS MT B271KB (FZ006920) 270P
EMI 9:	LS MT Y223NB (FZ006970) 22000P
4. XLB Connector	
XL 1-4:	XLB-3-31PCV-M09 (VI443700) 1/2, 3/4, 5/6, 7/8

Notes)

Circuit Board:	CRE (VK152600) XH871C0 = MONITOR CHANNEL
1. IC	
IC 1, 2, 5, 16, 21, 22, 25, 31-35:	897021 (XH595A00) RS422 IN
IC 3, 4, 6, 11-15, 23, 24, 26, 36:	897022 (XH596A00) RS422 OUT
IC 7, 9, 20, 27, 29, 37-39:	AM26LS32PC (XC571001) LINE RECEIVER
IC 8, 10, 17-19, 28, 30, 40:	AM26LS31PC (XC570001) LINE DRIVER
IC41-46:	SN74HC244 (IR024450) BUS-BUFFER
2. Semiconductive Cera. Cap.	
C 2-23:	0.1μ 25V Z (VC694800)
3. EMI Filter	
EMI 1-67, 69-91:	LS MT B271KB (FZ006920) 270P
EMI68:	LS MT Y223NB (FZ006970) 22000P
4. D-SUB Connector	
DSUB 1-4:	DBLC-J25SAF 25P (VL181700) INSERT I/O, DIRECT I/O, DIGITAL I/O, INPUT

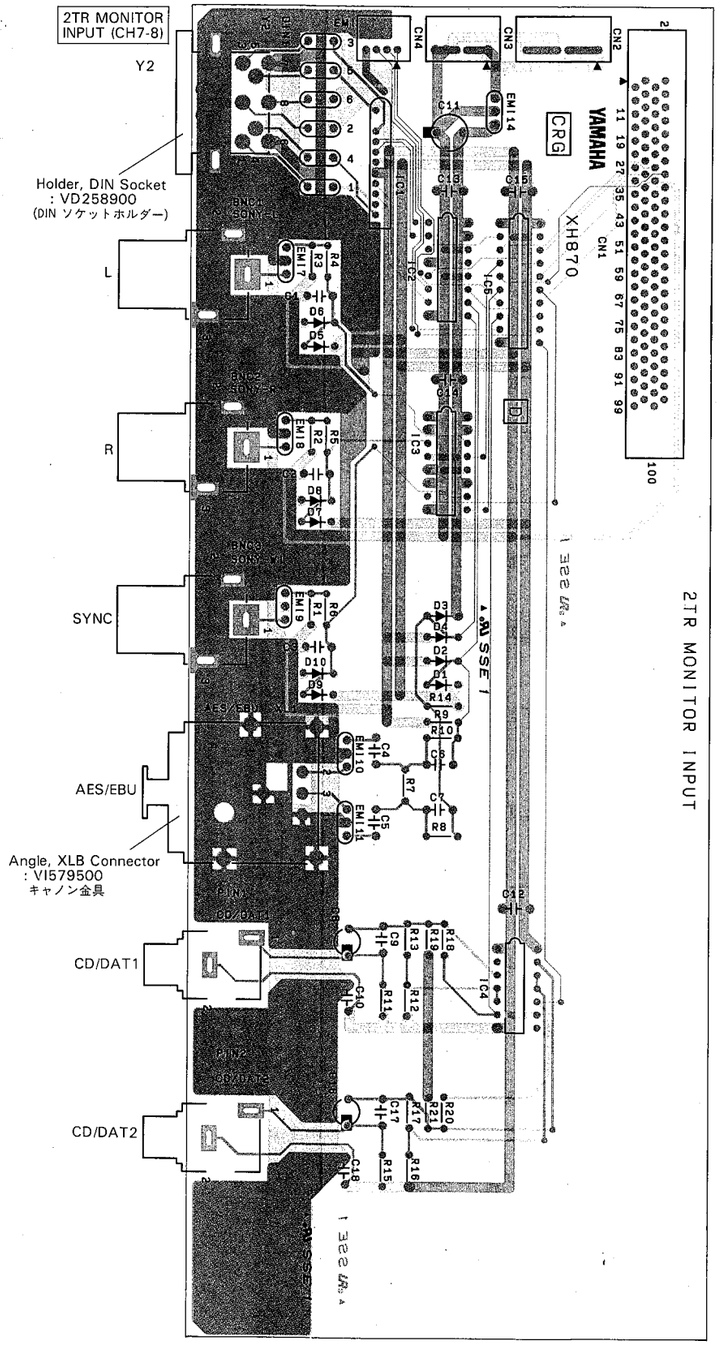
CRD: 3NA-VK15220 △
CRE: 3NA-VK15260 △

● CRF Circuit Board



Components side (部品側)

● CRG Circuit Board



Components side (部品側)

CRF: 3NA-VK15230 △
CRG: 3NA-VK15250 △

Notes)

Circuit Board: CRF (VK152300) XH868C0 = ST INPUT

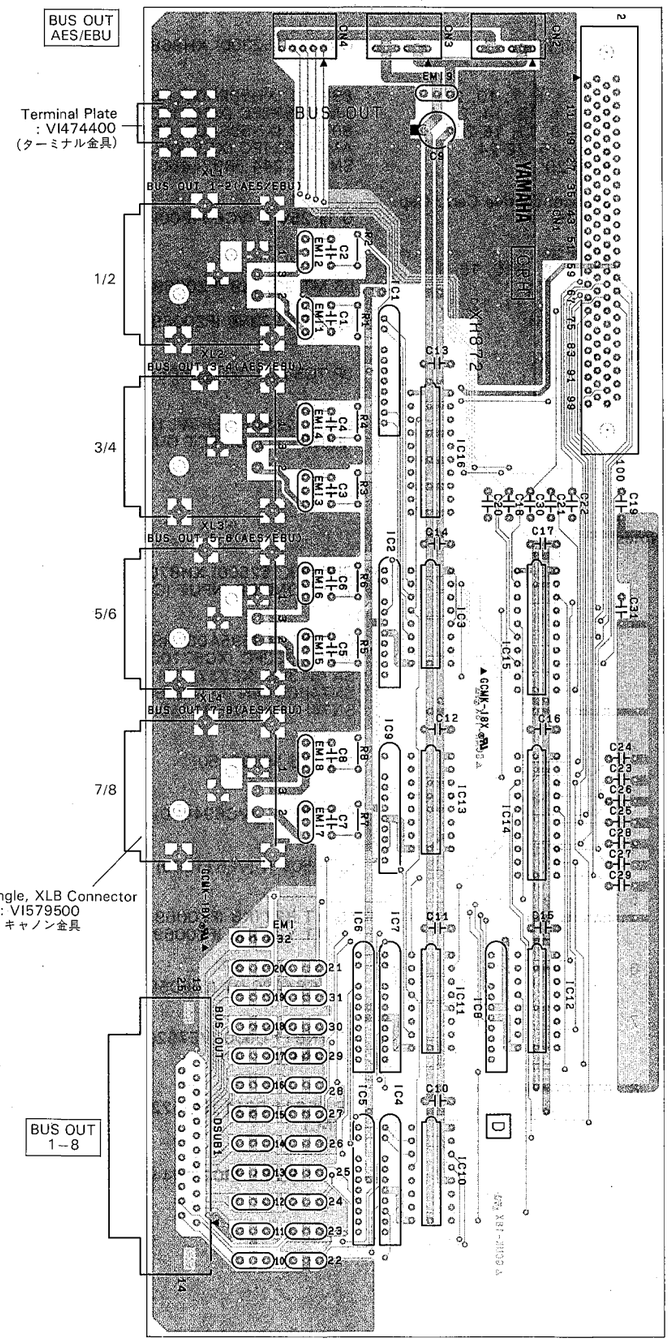
1. IC
   - IC 1-3, 6, 7, 10, 21: 897021 (XH595A00) RS422 IN
   - IC 4, 5, 12, 14, 25: AM26LS32PC (XC571001) LINE RECEIVER
   - IC 8, 9, 11, 16-20: 897022 (XH596A00) RS422 OUT
   - IC13, 15, 22-24: AM26LS31PC (XC570001) LINE DRIVER
   - IC26-29: SN74HC244 (IR024450) BUS-BUFFER
2. Semiconductive Cera. Cap.
   - C 2-15: 0.1μ 25V Z (VC694800)
3. EMI Filter
   - EMI 1-4, 7-10, 13-16 19-63: LS MT B271KB (FZ006920) 270P
   - EMI 5, 6, 11, 12, 17, 18, 64: LS MT Y223NB (FZ006970) 22000P
4. DIN Jack
   - DIN 1-3: 8P TCS4680-01 (LB605820) Y2 (A, B, C)
5. D-SUB Connector
   - DSUB 1, 2: DBLC-J25SAF 25P (VL181700) ST INPUT A-C (INSERT I/O, DIRECT OUT)

Notes)

Circuit Board: CRG (VK152500) XH870D0 = 2TR MONITOR INPUT (CH7-8)

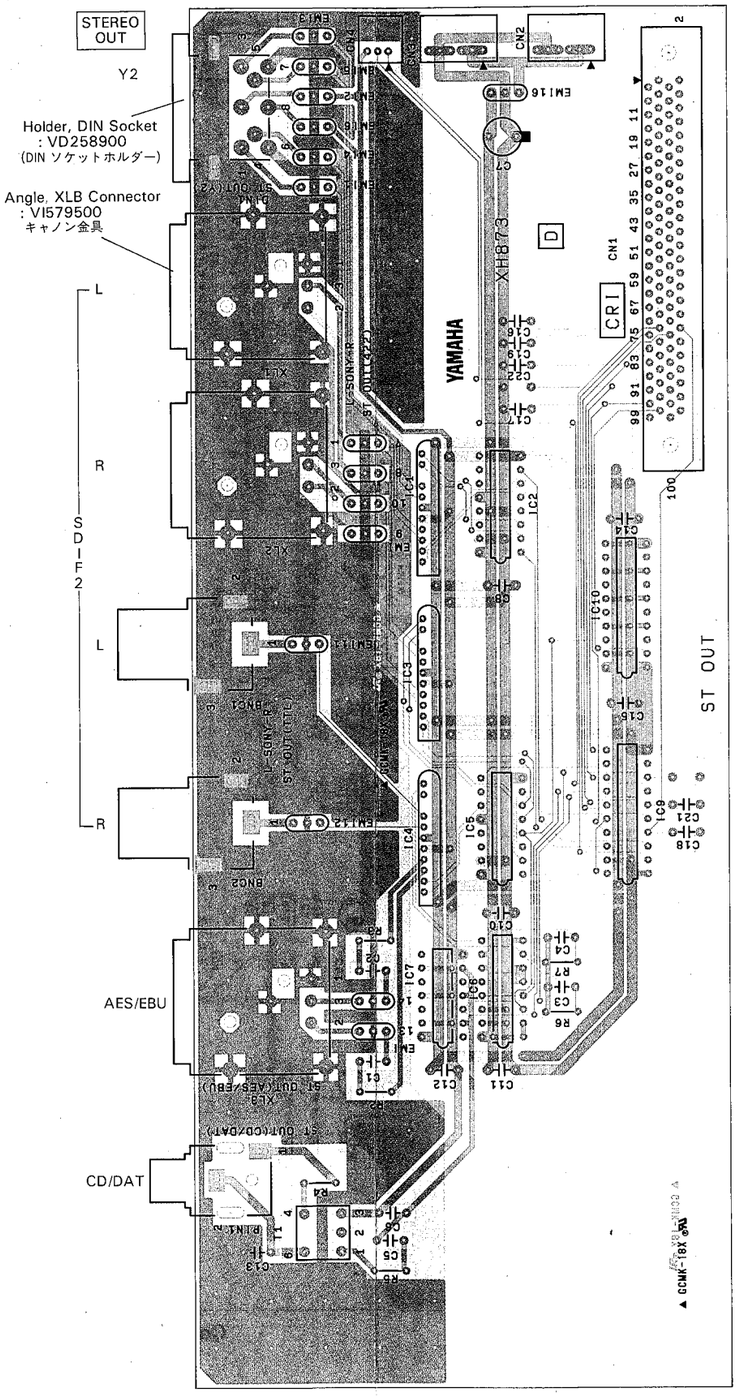
1. IC
   - IC 1: 897021 (XH595A00) RS422 IN
   - IC 2: AM26LS32PC (XC571001) LINE RECEIVER
   - IC 3: SN75124N (XE737A00) LINE RECEIVER
   - IC 4: SN74HCU04N (IG142250) INVERTER
   - IC 5: SN74HC244 (IR024450) BUS-BUFFER
2. Diode
   - D 1-10: 1SS133 (IF003450)
3. Semiconductive Cera. Cap.
   - C10, 12-15, 18: 0.1μ 25V Z (VC694800)
4. Monolithic Cera. Cap.
   - C 9, 17: 0.1μ 50V K (VF611200)
5. EMI Filter
   - EMI 1, 3-5, 7-11: LS MT B271KB (FZ006920) 270P
   - EMI 2, 6, 14: LS MT Y223NB (FZ006970) 22000P
6. DIN Jack
   - DIN 1: 8P TCS4680-01 (LB605820) Y2
7. Pin Jack
   - PIN 1, 2: 1P YKB11-0500 (VE752000) CD/DAT1, CD/DAT2
8. BNC Connector
   - BNC 1-3: 1P YKS11-0011 (VI552200) SDIF2 (L, R, SYNC)
9. XLB Connector
   - XL 1: XLB-3-31PCV-M09 (VI443700) AES/EBU

● CRH Circuit Board



Components side (部品側)

● CRI Circuit Board



Components side (部品側)

Notes)

Circuit Board:	CRH (VK152700) XH872D0 = BUS OUT AES/EBU, BUS OUT 1-8
1. IC	
IC 1, 2, 4-8:	897022 (XH596A00) RS422 OUT
IC 3, 10-12:	AM26LS31PC (XC570001) LINE DRIVER
IC 9:	897021 (XH595A00) RS422 IN
IC13:	AM26LS32PC (XC571001) LINE RECEIVER
IC14-16:	SN74HC244 (IR024450) BUS-BUFFER
2. Semiconductive Cera. Cap.	
C 10-17:	0.1μ 25V Z (VC694800)
3. EMI Filter	
EMI 1-8, 10-32:	LS MT B271KB (FZ006920) 270P
EMI 9:	LS MT Y223NB (FZ006970) 22000P
4. XLB Connector	
XL 1-4:	XLB-3-32PCV (VI579600) 1/2, 3/4, 5/6, 7/8
5. D-SUB Connector	
DSUB 1:	DBLC-J25SAF 25P (VL181700) BUS OUT 1-8

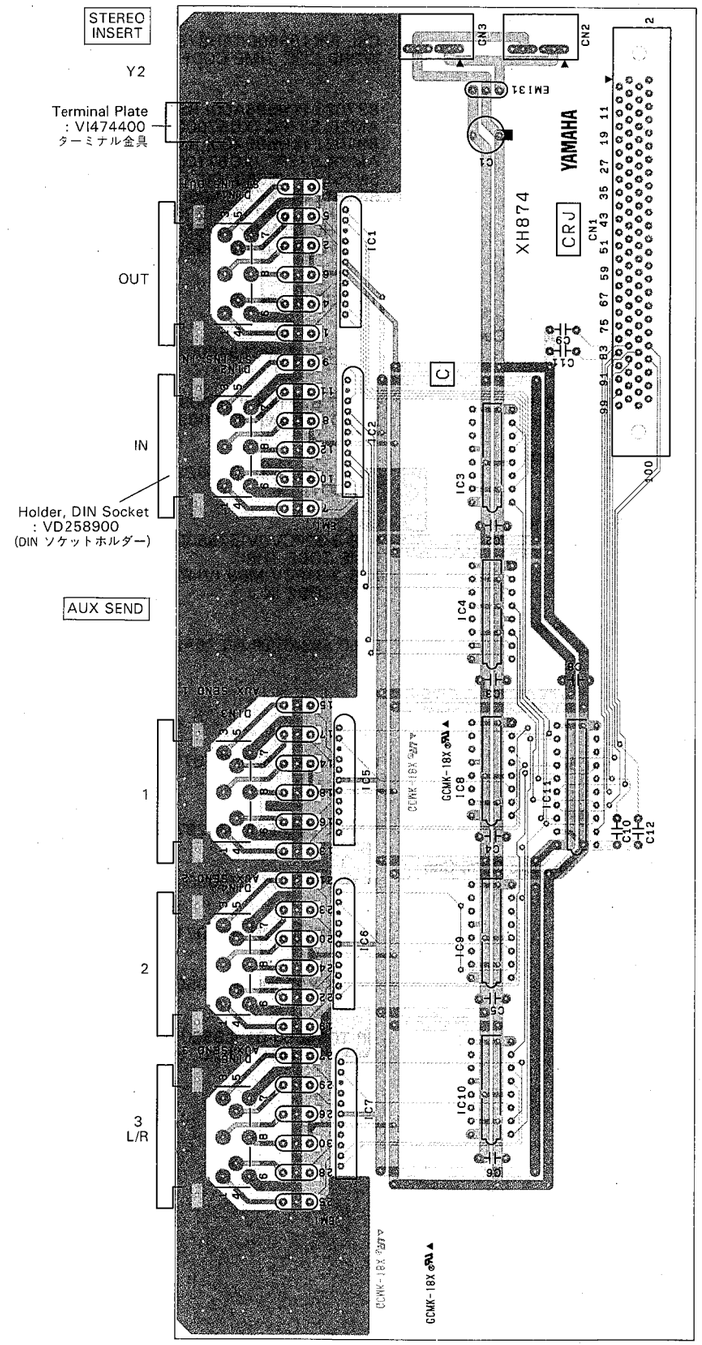
Notes)

Circuit Board:	CRI (VK152800) XH873D0 = ST OUT
1. IC	
IC 1, 3, 4:	897022 (XH596A00) RS422 OUT
IC 2, 5:	AM26LS31PC (XC570001) LINE DRIVER
IC 6:	SN75121 (XE683A00) LINE DRIVER
IC 7:	SN74HCU04N (IG142250) INVERTER
IC 9, 10:	SN74HC244 (IR024450) BUS-BUFFER
2. Semiconductive Cera. Cap.	
C 8, 10-15:	0.1μ 25V Z (VC694800)
3. Pulse Transformer	
T 1:	TC-1019-06 7mm (VC548200) 100μ
4. EMI Filter	
EMI 1, 3-5, 7-14:	LS MT B271KB (FZ006920) 270P
EMI 2, 6, 16:	LS MT Y223NB (FZ006970) 22000P
5. DIN Jack	
DIN 1:	8P TCS4680-01 (LB605820) Y2
6. Pin Jack	
PIN 1:	1P YKB11-0500 (VE752000) CD/DAT
7. BNC Connector	
BNC 1, 2:	1P YKS11-0011 (VI552200) SDIF2 (L, R)
8. XLB Connector	
XL 1-3:	XLB-3-32PCV (VI579600) ST OUT AES/EBU

CRH: 3NA-VK15270 △
CRI: 3NA-VK15280 △

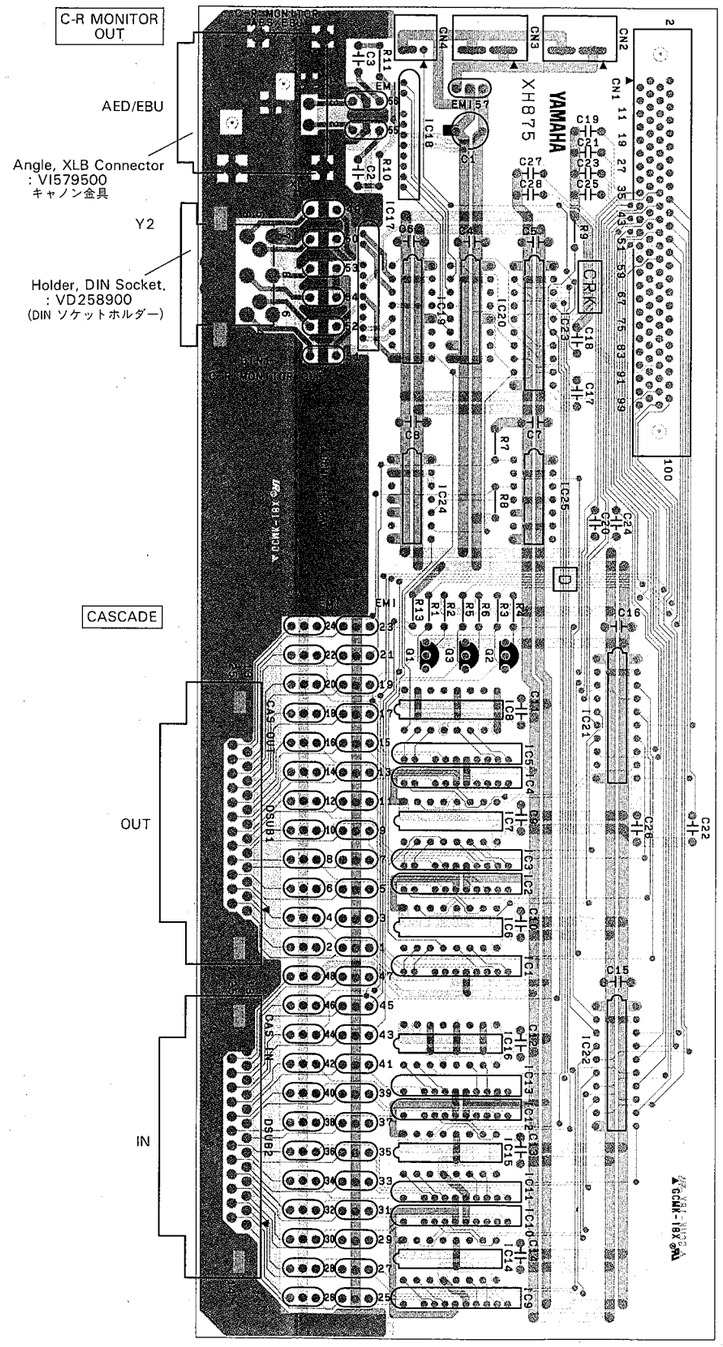
DMC1000

● CRJ Circuit Board



Components side (部品側)

● CRK Circuit Board



Components side (部品側)

Notes)

Circuit Board: CRJ (VK152900) XH874C0 = STEREO INSERT, AUX SEND

1. IC
   - IC 1, 5-7: 897022 (XH596A00) RS422 OUT
   - IC 2: 897021 (XH595A00) RS422 IN
   - IC 3, 8-10: AM26LS31PC (XC570001) LINE DRIVER
   - IC 4: AM26LS32PC (XC571001) LINE RECEIVER
   - IC11: SN74HC244 (IR024450) BUS-BUFFER
2. Semiconductive Cera. Cap.
   - C 2-6, 8: 0.1μ 25V Z (VC694800)
3. EMI Filter
   - EMI 1, 3-5, 7, 9-11, 13, 15-17, 19, 21-23, 25, 27-29: LS MT B271KB (FZ006920) 270P
   - EMI 2, 6, 8, 12, 14, 18, 20, 24, 26, 30, 31: LS MT Y223NB (FZ006970) 22000P
4. DIN Jack
   - DIN 1-5: 8P TCS4680-01 (LB605820) ST INSERT Y2 (OUT, IN), AUX SEND (1, 2, 3)

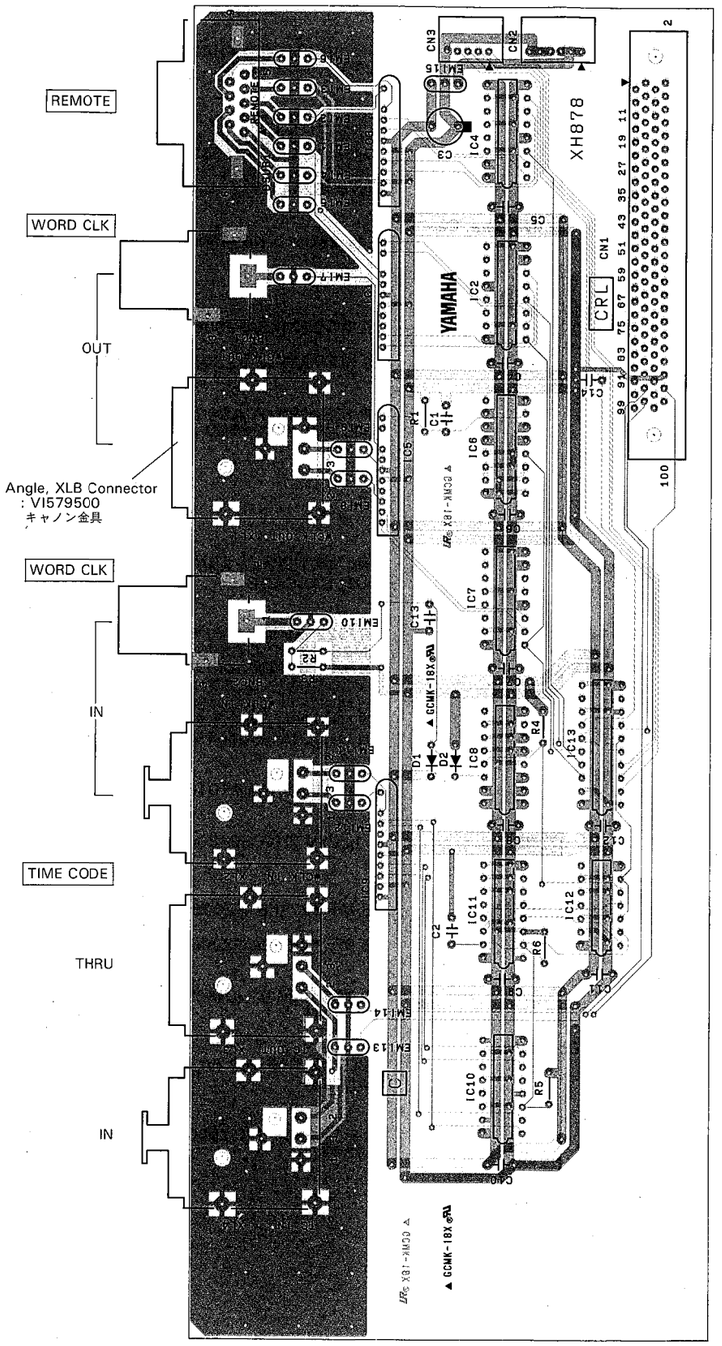
Notes)

Circuit Board: CRK (VK153300) XH875D0 = C-R MONITOR OUT, CASCADE

1. IC
   - IC 1-5, 17, 18: 897022 (XH596A00) RS422 OUT
   - IC 6-8, 19, 20: AM26LS31PC (XC570001) LINE DRIVER
   - IC 9-13: 897021 (XH595A00) RS422 IN
   - IC14-16: AM26LS32PC (XC571001) LINE RECEIVER
   - IC21-23: SN74HC244 (IR024450) BUS-BUFFER
   - IC24: SN74HC08N (IR000850) AND
   - IC25: SN74HC04N (IR000450) INVERTER
2. Transistor
   - Q 1-3: 2SA1015 O, Y (IA101580)
3. Semiconductive Cera. Cap.
   - C 4-16, 27, 28: 0.1μ 25V Z (VC694800)
4. EMI Filter
   - EMI 1-23, 25-47, 49-52, 55, 56: LS MT B271KB (FZ006920) 270P
   - EMI24, 48, 53, 54, 57: LS MT Y223NB (FZ006970) 22000P
5. DIN Jack
   - DIN 1: 8P TCS4680-01 (LB605820) C-R MONITOR OUT (Y2)
6. D-SUB Connector
   - DSUB 1, 2: DBLC-J25SAF 25P (VL181700) CASCADE (OUT, IN)
7. XLB Connector
   - XL 1: XLB-3-32PCV (VI579600) C-R MONITOR OUT (AES/EBU)

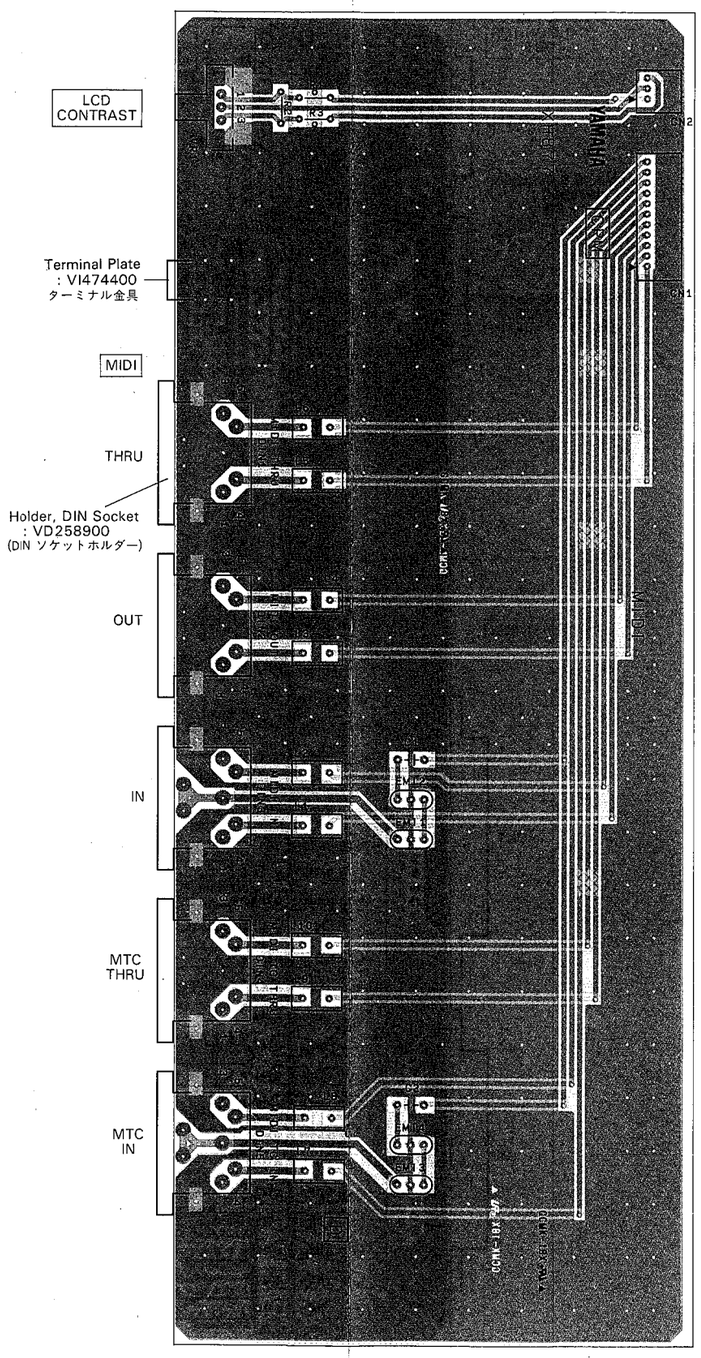
CRJ: 3NA-VK15290 △
CRK: 3NA-VK15330 △

● CRL Circuit Board



Components side (部品側)

● CRM Circuit Board



Components side (部品側)

Notes)

Circuit Board: CRL (VK153600) XH878C0 = REMOTE, WORD CLK, TIME CODE

1. IC
   - IC 1, 5: 897022 (XH596A00) RS422 OUT
   - IC 2, 7: AM26LS31PC (XC570001) LINE DRIVER
   - IC 3, 9: 897021 (XH595A00) RS422 IN
   - IC 4, 10: AM26LS32PC (XC571001) LINE RECEIVER
   - IC 6: SN75121 (XE683A00) LINE DRIVER
   - IC 8: SN75124N (XE737A00) LINE RECEIVER
   - IC11: TC74HC123AP (IR012300) SINGLE SHOT MV.
   - IC12: SN74HC125N (IR012550) 3S-BUFFER
   - IC13: SN74HC244 (IR024450) BUS-BUFFER
2. Diode
   - D 1, 2: 1SS133 (IF003450)
3. Semiconductive Cera. Cap.
   - C 4-12: 0.1μ 25V Z (VC694800)
4. EMI Filter
   - EMI 1, 2, 5-14: LS MT B271KB (FZ006920) 270P
   - EMI 3, 4, 15: LS MT Y223NB (FZ006970) 22000P
5. BNC Connector
   - BNC 1, 2: YKS11-0011 1P (VI552200) WORD CLK (IN, OUT)
6. XLB Connector
   - XL 1, 3: XLB-3-32PCV (VI579600) WORD CLK OUT, TIME CODE THRU
   - XL 2, 4: XLB-3-31PCV-M09 (VI443700) WORD CLK IN, TIME CODE IN
7. D-SUB Connector
   - DSUB 1: DELC-J9SAF 9P (VL184200) REMOTE

Notes)

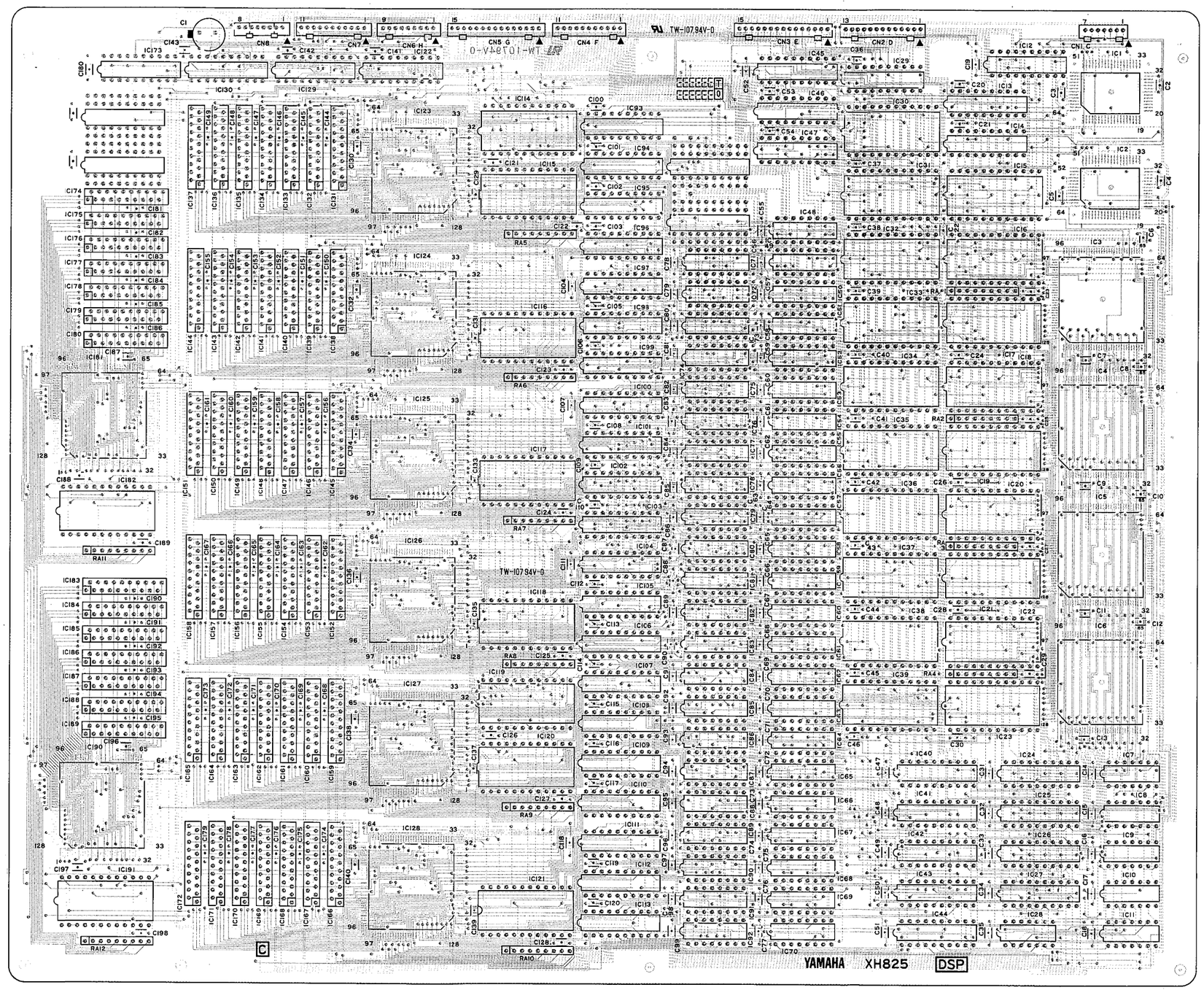
Circuit Board: CRM (VK153500) XH877D0=LCD CONTRAST, MIDI

1. Variable Resistor
   - VR 1: B100K EVU-E2A (VK297800) LCD CONTRAST
2. Semiconductive Cera. Cap.
   - C 1, 2: 0.1μ 25V Z (VE659000)
3. Coil
   - L 1-10: FL5R200QN 20μ (VB971100)
4. EMI Filter
   - EMI 1-4: LS MT Y223NB (FZ005920) 22000P
5. DIN Jack
   - DIN 1-5: 5P TCS4650-01 (LB500590) MIDI (THRU, OUT, IN), MTC (THRU, IN)

CRL: 3NA-VK15360 △
CRM: 3NA-VK15350 △

DMC1000

● DSP Circuit Board



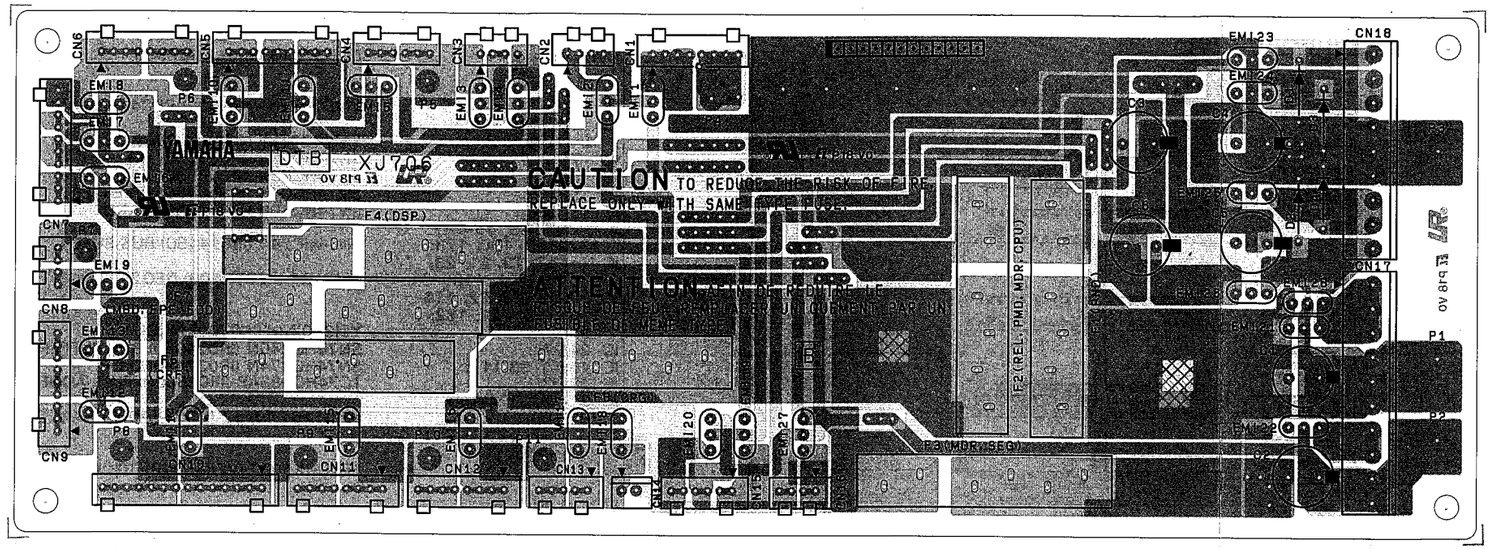
Components side (部品側)

Notes)

Circuit Board: DSP (VK151300) XH825C0

1. IC
   - IC 1, 2: YM6067 (XH494A00) PSC4
   - IC 3-6, 123-128, 181, 190: YM6007 (XF164A00) DSP2
   - IC 7: SN74HC32N (IR003250) OR
   - IC 8: SN74HC08N (IR000850) AND
   - IC 9, 11: SN74HC04N (IR000450) INVERTER
   - IC 10, 28: SN74HC30N (IR003050) NAND
   - IC 12-14, 29, 45-47, 122, 129, 130, 173: SN74HC244 (IR024450) BUS-BUFER
   - IC 15, 17, 19, 21, 23, 30-39, 114, 119: YM6104 (XE788A00) DEQ2
   - IC 16, 18, 20, 22, 115-118, 120, 121, 182, 191: YM3807 (IT380700) MOD
   - IC 24-27: SN74HC240N (IR024050) BUS-BUFFER
   - IC 40-44, 93-113: SN74HC374N (IR037450) D-FF
   - IC 48-92: TC74HC283AP (IR028300) FULL-ADDER
   - IC131-172, 174-180, 183-189: MB81464-12PSZ (XD265A00) DRAM 256K
2. Resistor Array
   RA 1-12: RGLD8X103J (VE445200) 10K × 4
3. Electrolytic Cap.
   C 1: 470μ 10V (UJ828470)
4. Chip Cera. Cap.
   C 2-198: F 0.01μ 50V Z (UB044100)

● DTB Circuit Board



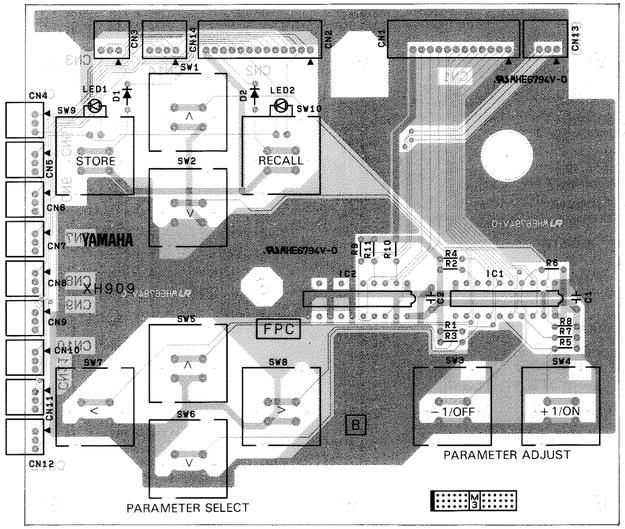
Components side (部品側)

Notes)

Circuit Board : DTB (VL686700) J XJ706B0
DTB (VL686900) U, C XJ706B0
DTB (VL687100) H, B XJ706B0

1. Diode
   D 1-4: 11ES4 (VB482000)
2. Electrolytic Cap.
   C 1-6: 470μ 25V (UJ748470)
3. EMI Filter
   EMI 1-27: LS MT Y223NB (FZ005920) 22000P
4. Fuse
   F 1-3, 5-7: T 4.00A J 250V (KB000380) J
   T 3.15A U 250V (VB245200) U, C
   T 3.15A S 250V (KB000760) H, B
   F 4: T 5.00A J 250V (KB000400) J
   T 5.00A U 250V (VB002590) U, C
   T 5.00A S 250V (KB000780) H, B
5. Fuse Holder
   F 1-7: PC-FH1 (LB201530)

●FPC Circuit Board



Components side (部品側)

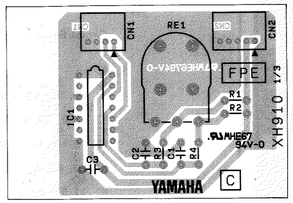
Notes)

Circuit Board:	FPC (VK154400) XH909B0
1. IC IC 1, 2:	SN74HC244 (IR024450) BUS-BUFFER
2. Diode D 1, 2:	1SS133 (IF003450)
3. LED LED 1, 2:	LN242RP RE (VA262300) STORE, RECALL
4. Semiconductive Cera. Cap. C 1, 2:	0.1μ 25V Z (VE659000)
5. Push Switch SW 1-10:	SKHHAL (KA907030) MEMORY, PARAMETER SELECT, PARAMETER ADJUST

FPC: 3NA-VK15440 △
FPE: 3NA-VK15450 △
HP: 3NA-VK15370 △

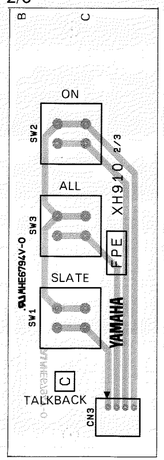
●FPE Circuit Board

1/3

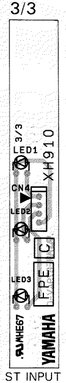


PARAMETER ADJUST

2/3



3/3



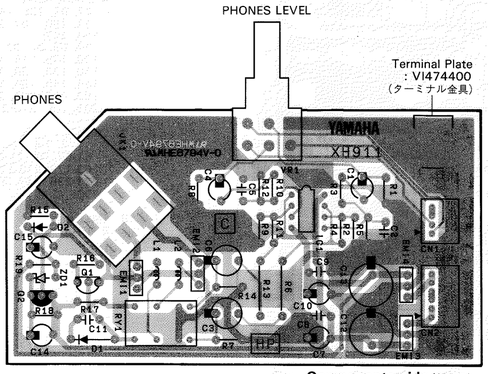
ST INPUT

Components side (部品側)

Notes)

Circuit Board:	FPE1/3 (NX810190) XH910C0 FPE2/3 (NX810200) XH910C0 FPE3/3 (NX810210) XH910C0
1. IC IC 1:	SN74HC14N (IR001450) INVERTER
2. LED LED 1-3:	LN221RP RE (IF003170) A, B, C
3. Ceramic Cap. C 1, 2:	1500P 50V K (FG413150)
4. Semiconductive Cera. Cap. C 3:	0.1μ 25V Z (VE659000)
5. Push Switch SW 1-3:	SKHQAC (VK700800) TALK BACK (ON, ALL, SLATE)
6. Rotary Encoder RE 1:	EC16B40B (VL236800)

●HP Circuit Board



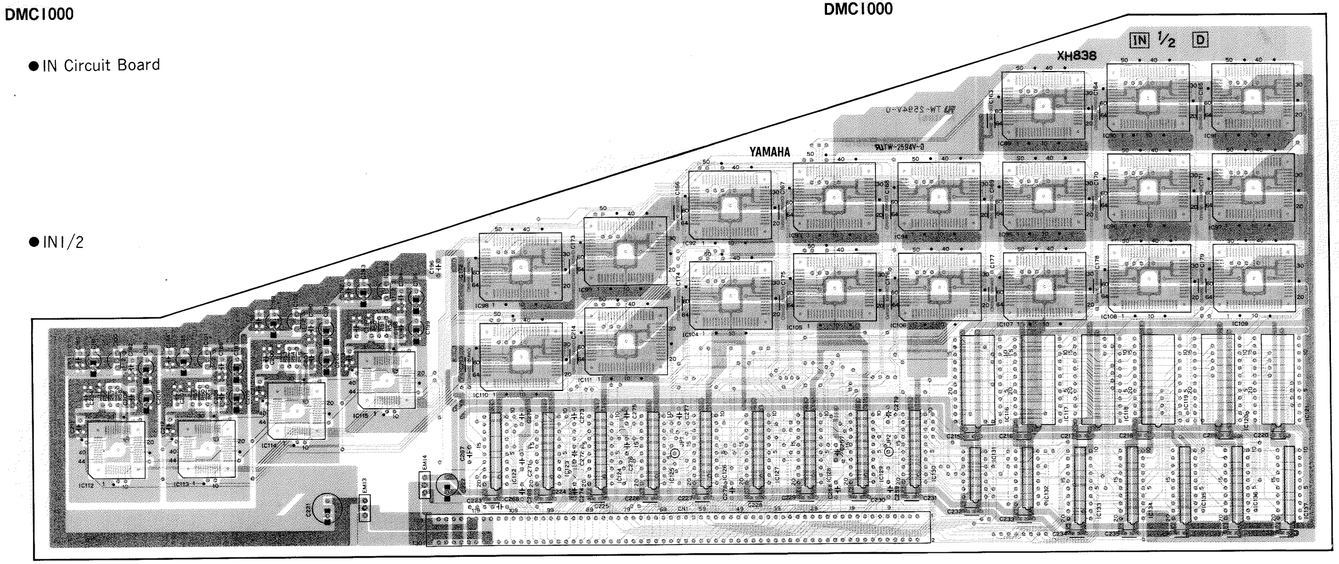
Components side (部品側)

Notes)

Circuit Board:	HP (VK153700) XH911C0
1. IC IC 1:	NJM4556DD (XE803A00) OP AMP.
2. Transistor Q 1: Q 2:	2SC1815 GR (IC181530) 2SA1015 GR (IA101530)
3. Diode D 1: D 2:	1S1885 (IH000240) 1SS133 (IF003450)
4. Zener Diode ZD 1:	RD27EB3 27V (IF005660)
5. Metal Oxide Film Resistor R 6, 13:	150Ω 1W J (VC731800)
6. Variable Resistor VR 1:	RK16312A (VK963800) A10K × 2 PHONES LEVEL
7. Semiconductive Cera. Cap. C 8, 9, 11:	0.1μ 25V Z (VE659000)
8. Coil L 1, 2:	FL5R200QN 20μ (VB971100)
9. EMI Filter EMI 1-4:	LS MT Y223NB (FZ005920) 22000P
10. Phone Jack JK 1:	STEREO HLJ0259 (LB301080) PHONES
11. Relay RY 1:	DC AG 8023 (VD613500)

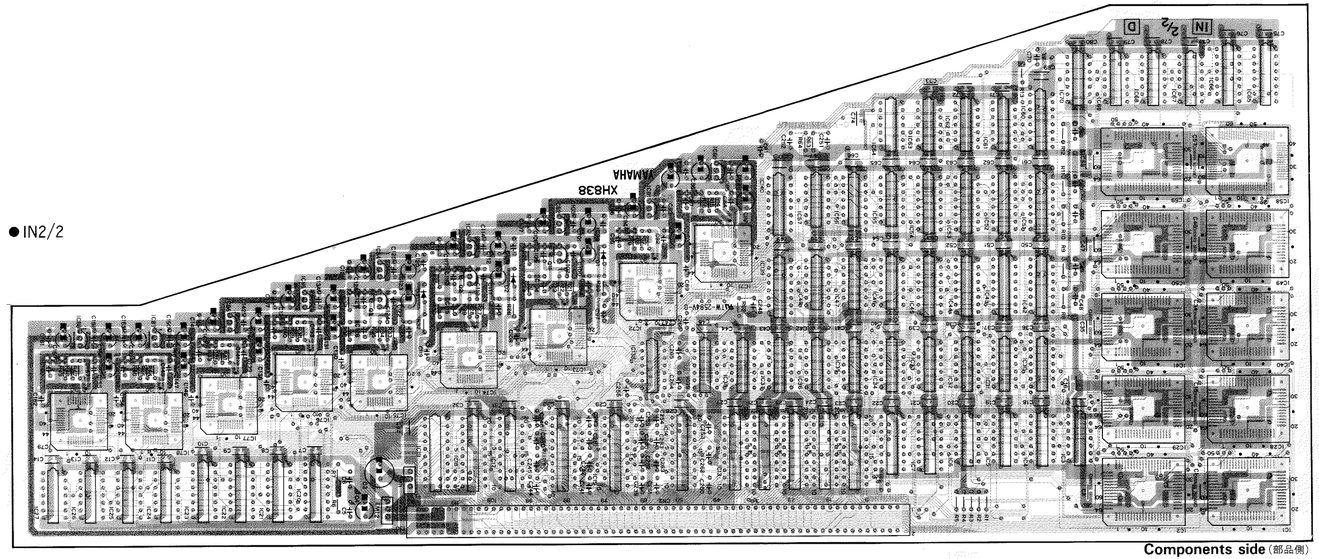
● IN Circuit Board

● IN1/2



DMC1000

● IN2/2



Components side (部品側)

DMC1000

Notes)

Circuit Board: IN1/2 (VK707700) XH838D0
IN2/2 (VK707800) XH838D0

1. IC
   - IC 1, 2, 28, 29, 40, 41, 49, 50, 59, 89-99, 104-111: YM6067 (XH494A00) PSC4
   - IC 3-6, 24, 25, 30-32: SN74HC125N (IR012550) 3S-BUFFER
   - IC 7, 8: SN74HC138N (IR013850) DECODER 3-8
   - IC 9-19, 122-130, 133: SN74HC244 (IR024450) BUS-BUFF
   - IC 20, 42, 51, 60, 139, 140: TC74HC123AP (IR012300) SINGLE SHOT MV
   - IC 21-23, 43-45, 52-54, 65, 66: SN74HC163N (IR016350) COUNTER
   - IC 26, 47, 61: SN74HC04N (IR000450) INVERTER
   - IC 27, 70, 131: SN74HC32N (IR003250) OR
   - IC 33, 36, 64, 67: SN74HC164N (IR016450) SHIFT REGISTER
   - IC 34, 35, 37, 38, 55, 56, 62, 63, 68: SN74HC74N (IR007450) D-FF
   - IC 39, 46, 48, 57, 69, 138: SN74HC08N (IR000850) AND
   - IC 58: YM6035 (XE800A00) PSC2
   - IC 71-79, 112-115: YM3436BG (XQ948C00) DIR2
   - IC 80-88, 100-103: AN78L05 (IG157200) +5V REGULATOR
   - IC116-121: YMAB04 (XH888A00) BIT SHIFT
   - IC132: SN74HC139N (IR013950) DECODER 2-4
   - IC134-137: SN74HC273N (IR027350) D-FF OCTAL

2. Transistor
   - Q 1-3: 2SC1815 Y, GR (IC181580)

3. Diode
   - D 1-3: 1SS133 (IF003450)

4. Electrolytic Cap.
   - C 3, 221: 470μ 16V (UJ838470)

5. Semiconductive Cera. Cap.
   - C 81, 85, 88, 93, 96, 103, 107, 114, 118, 125, 129, 134, 137, 142, 145, 150, 153, 158, 161, 180, 182, 184, 186, 188, 190, 192, 194, 196: 0.1μ 16V M (FZ004100)

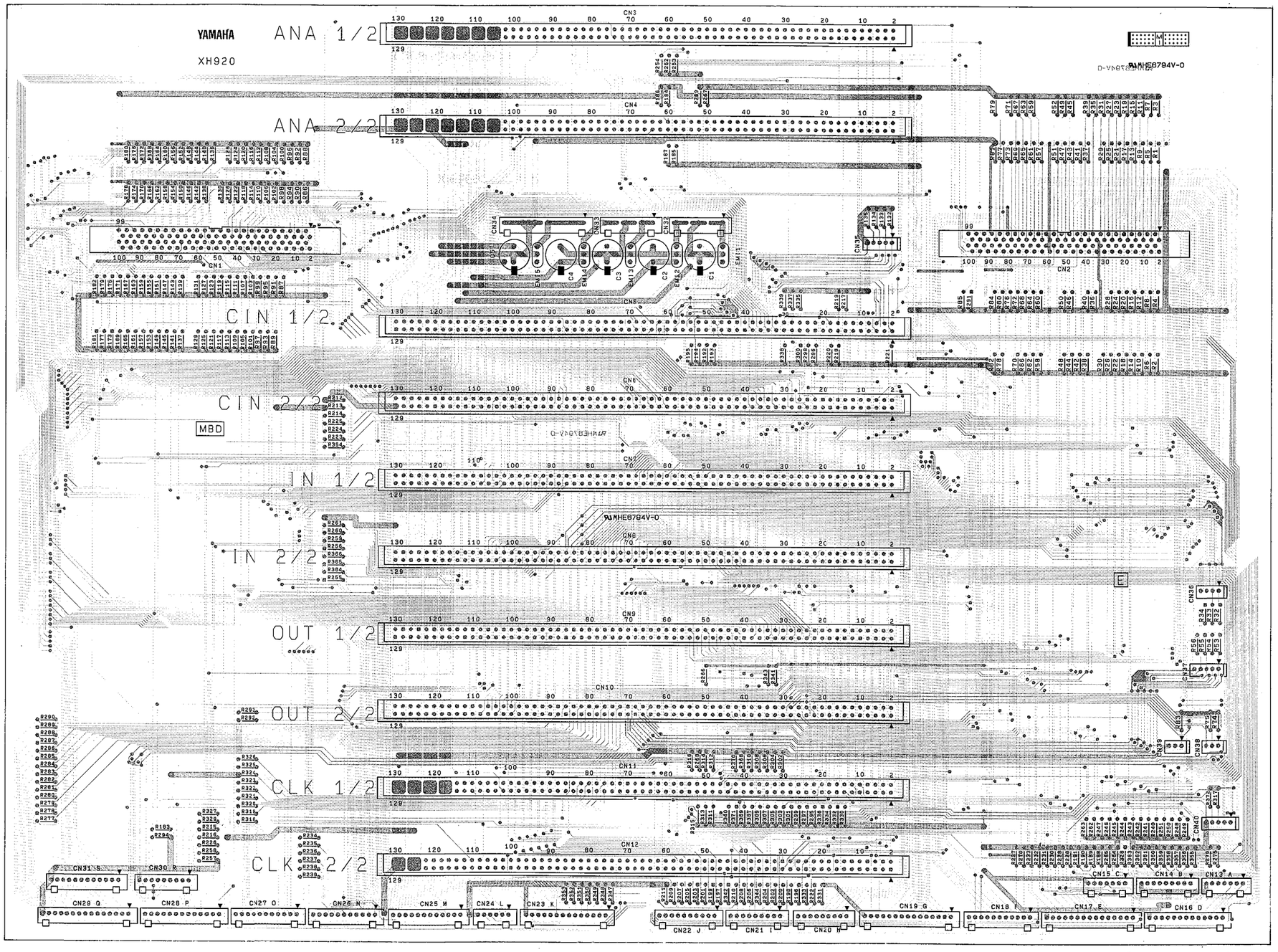
6. Monolithic Cera. Cap.
   - C 87, 95, 136, 144, 152, 160, 197, 200, 204, 207: 0.22μ 50V Z (VJ786300)
   - C 84, 89, 92, 97, 98, 108, 109, 119, 120, 130, 133, 138, 141, 146, 149, 154, 157, 162, 198, 201, 203, 205, 208, 210-212: 1.5μ 25V Z (VD534400)

7. Chip Cera. Cap.
   - C 1, 2, 7-47, 50-58, 61-67, 69, 71-80, 163-179, 213-220, 223-238, 247, 249, 250: F 0.1μ 25V Z (VJ798800)

8. EMI Filter
   - EMI 1-4: LS MT Y223NB (FZ006970) 22000P

DMC1000

● MBD Circuit Board

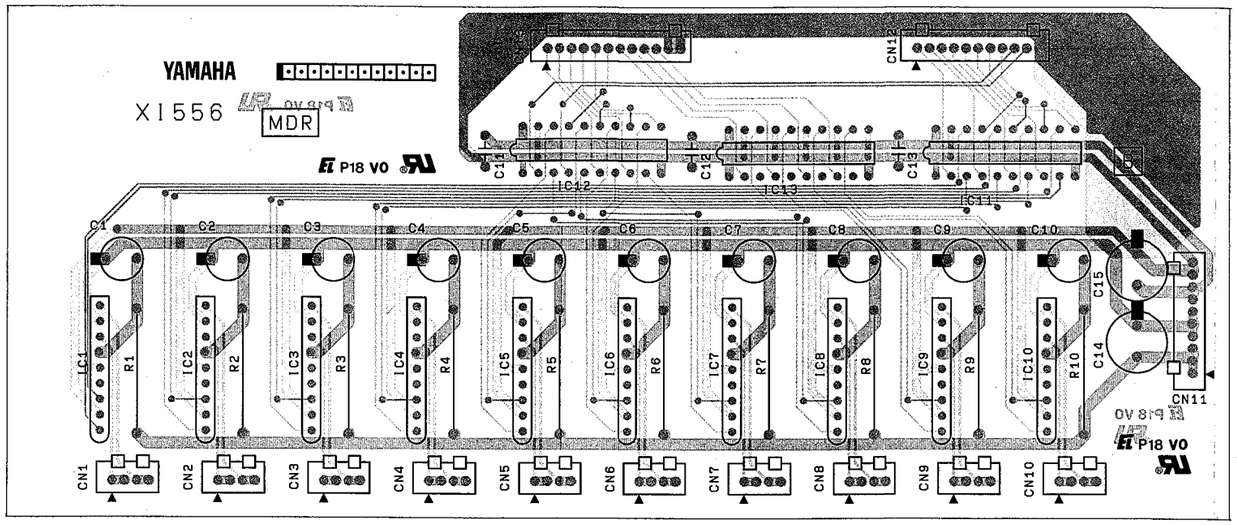


Components side (部品側)

Notes)

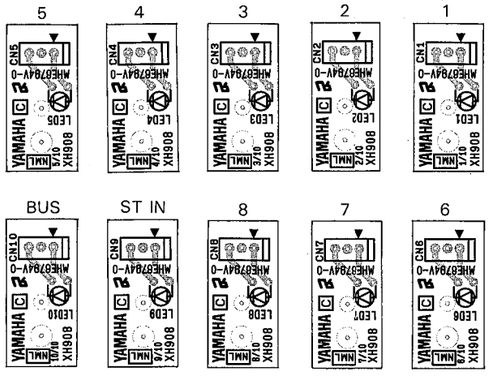
Circuit Board:	MBD (VK153800) XH920D0
1. Electrolytic Cap. C 1-5:	470μ 25V (UJ748470)
2. EMI Filter EMI 1-5:	LS MT Y223NB (FZ005920) 22000P

● MDR Circuit Board



Components side (部品側)

● NML Circuit Board



Components side (部品側)

Notes)

Circuit Board:	MDR (VK244600) XI556B0
1. IC	
IC 1-10:	BA6218 (IG153500) MOTOR DRIVER
IC11-13:	SN74HC244 (IR024450) BUS-BUFFER
2. Metal Oxide Film Resistor	
R 1-10:	10Ω 3W J (VL099900)
3. Electrolytic Cap.	
C 14:	470μ 10V (UJ728470)
C 15:	330μ 35V (UJ758330)
4. Semiconductive Cera. Cap.	
C 11-13:	0.1μ 25V Z (VC694800)

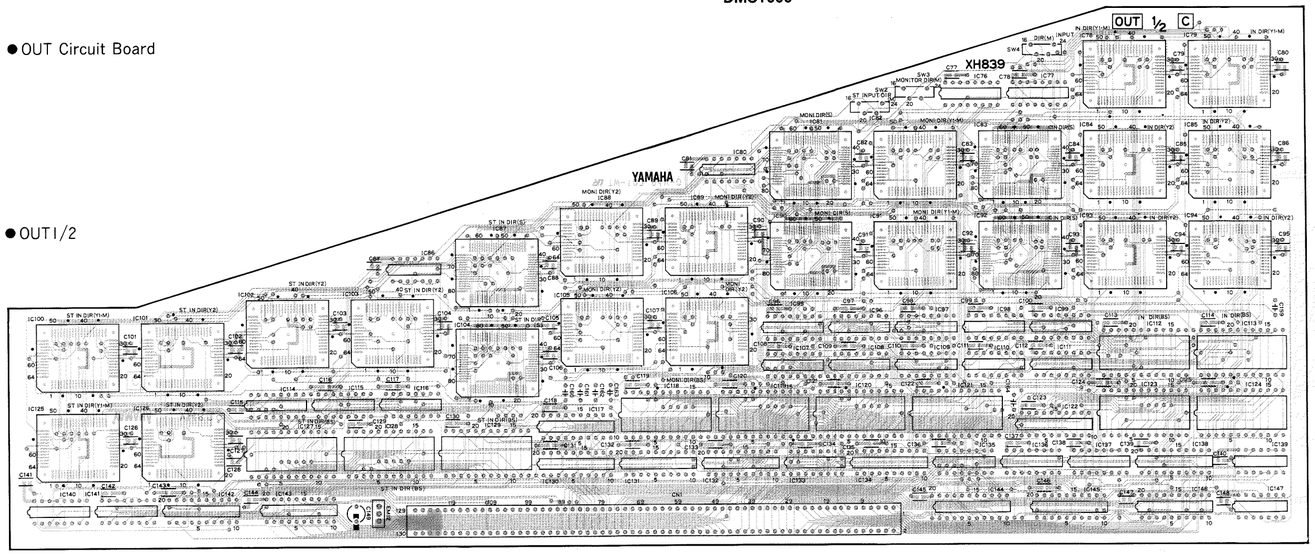
Notes)

Circuit Board:	NML (NX810180) XH908C0
1. LED	
LED 1-10:	LN221RP RE (IF003170) FADER indicator

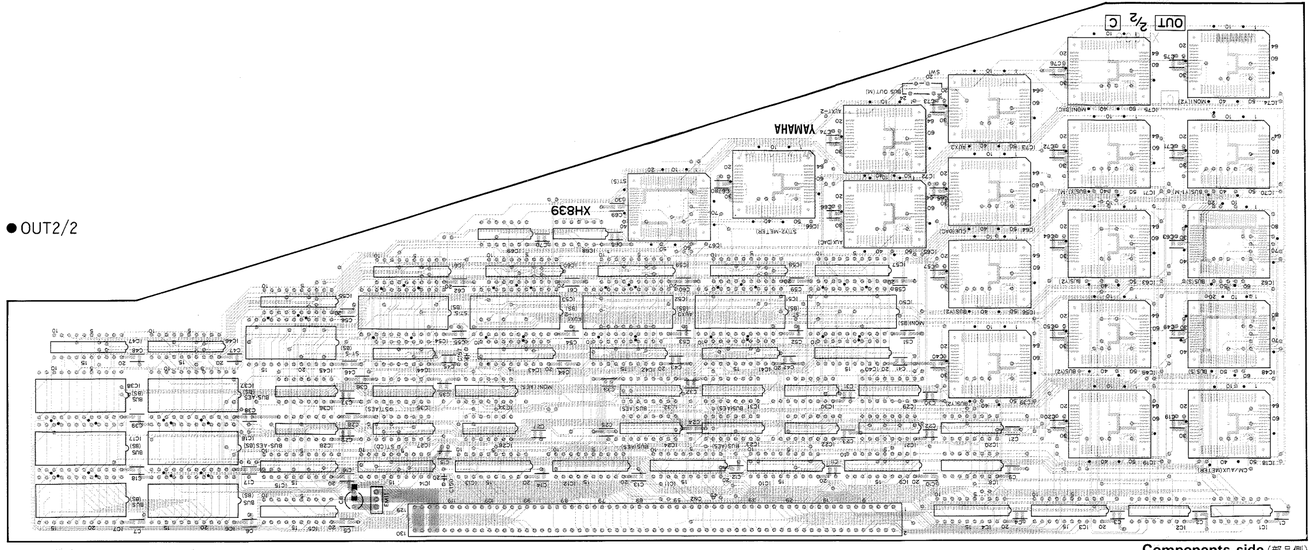
MDR: 3NA-VK24460 △
NML: 3NA-VK15430 △

● OUT Circuit Board

● OUT1/2



● OUT2/2



Components side (部品側)

3NA-VK15180 △

Notes)

Circuit Board: OUT1/2 (VK707900) XH839C0
OUT2/2 (VK708000) XH839C0

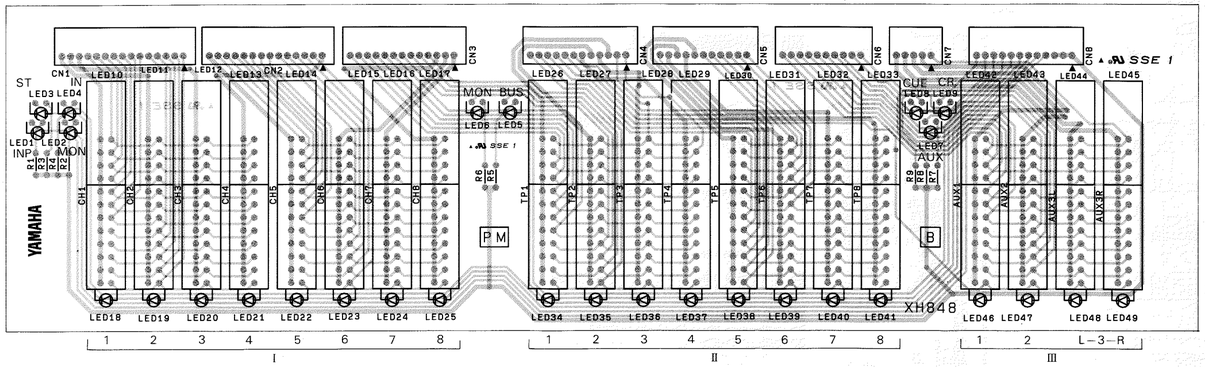
1. IC
   IC 1, 2, 8, 20, 44, 95, 96, 98, 99, 107, 108, 110, 111, 114-116, 135-137: SN74HC153N (IR015350) 4-1 SELECTOR
   IC 3-5, 9-15, 130, 132, 134, 138, 142-146: SN74HC244 (IR024450) BUS-BUFFER
   IC 6, 7, 16, 17, 37, 38, 45, 50-54, 112, 113, 118-121, 123, 124, 127-129: YMAB04 (XH888A00) BIT SHIFT
   IC 18, 19, 39, 49, 56, 63-66, 70-75, 78, 79, 82, 84, 85, 88, 89, 91, 93, 94, 100-103, 105, 106, 125, 126: YM6067 (XH494A00) PSC4
   IC 21, 29, 76, 77, 97, 109, 140, 141: SN74HC157N (IR015750) DATA-SELECTOR
   IC 22, 69, 147: SN74HC04N (IR000450) INVERTER
   IC 23, 24, 27, 31, 32, 34, 35: YM3437 (XG949A00) DIT2
   IC 26: SN74HC125N (IR012550) 3S-BUFFER
   IC 28, 36: SN74HC138N (IR013850) DECODER 3-8
   IC 30, 80, 86: SN74HC08N (IR000850) AND
   IC 40-43, 46, 47, 55, 57-61, 117, 122, 131: SN74HC273N (IR027350) D-FF OCTAL
   IC 48, 62, 67, 81, 83, 87, 90, 92, 104: YM6035 (XE800A00) PSC2
   IC 68: SN74HC74N (IR007450) D-FF
   IC133: SN74HC139N (IR013950) DECODER 2-4
   IC139: SN74HC32N (IR003250) OR

2. EMI Filter
   EMI 1, 2: LS MT Y223NB (FZ006970) 22000P

3. Slide Switch
   SW 1-4: SSSS213 (VK500200) BUS OUT(M), INPUT(ST/DIR), TAPE D(M), CHANNEL DIR(M)

4. Chip Cera. Cap.
   C 1-7, 9-25, 27-33, 35-148: F 0.01μ 50V Z (UB044100)

● PM Circuit Board



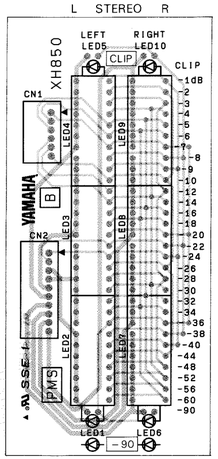
Components side (部品側)

Notes)

Circuit Board: PM (VK154000) XH848B0

1. LED
   LED 1-9: LD-201VR (IF009570) INP, MON, ST, IN, BUS, MON, AUX, CUE, CR
2. LED Display
   LED10-17, 26-33, 42-45: SX-25-S (VF521500) High level indicator
   LED18-25, 34-41, 46-49: SX-25AF (VJ155200) Low level indicator
3. LED Spacer
   LD-201 (VK423500)

● PMS Circuit Board



Components side (部品側)

Notes)

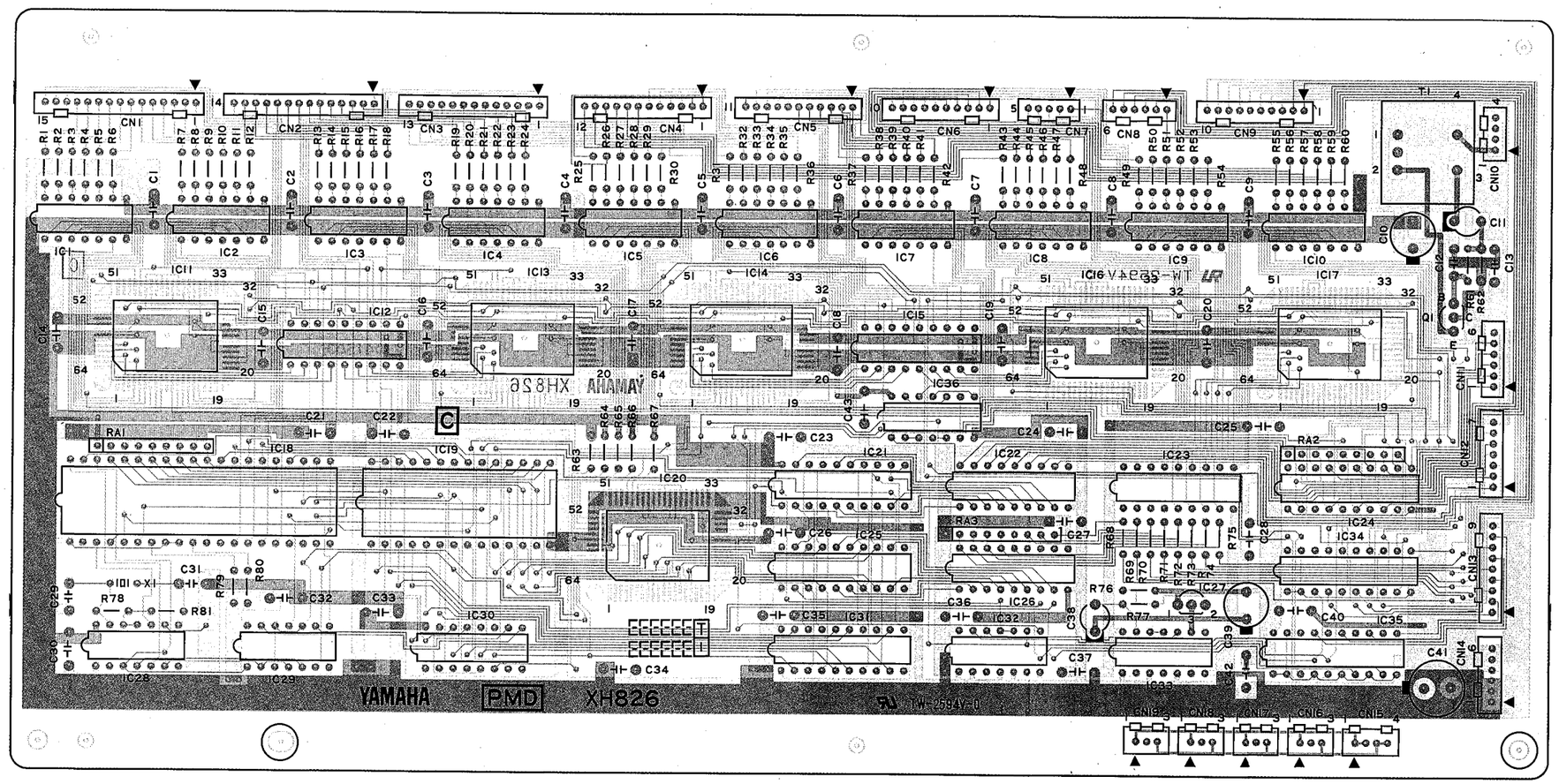
Circuit Board: PMS (VK154200) XH850B0

1. LED
   LED 1, 6: LD101MG GR (IF007690) – 90dB
   LED 5, 10: LD-101VR RE (IF004940) CLIP
2. LED Level Meter (L STREO R)
   LED 2, 7: SLA-2651 10P (VK272300) GR
   LED 3, 8: SLA5651-14 (VK272500) YE(6)+GR(4)
   LED 4, 9: SLA-4651 10P (VK272400) YE

PM: 3NA-VK15400
PMS: 3NA-VK15420

DMC1000

● PMD Circuit Board



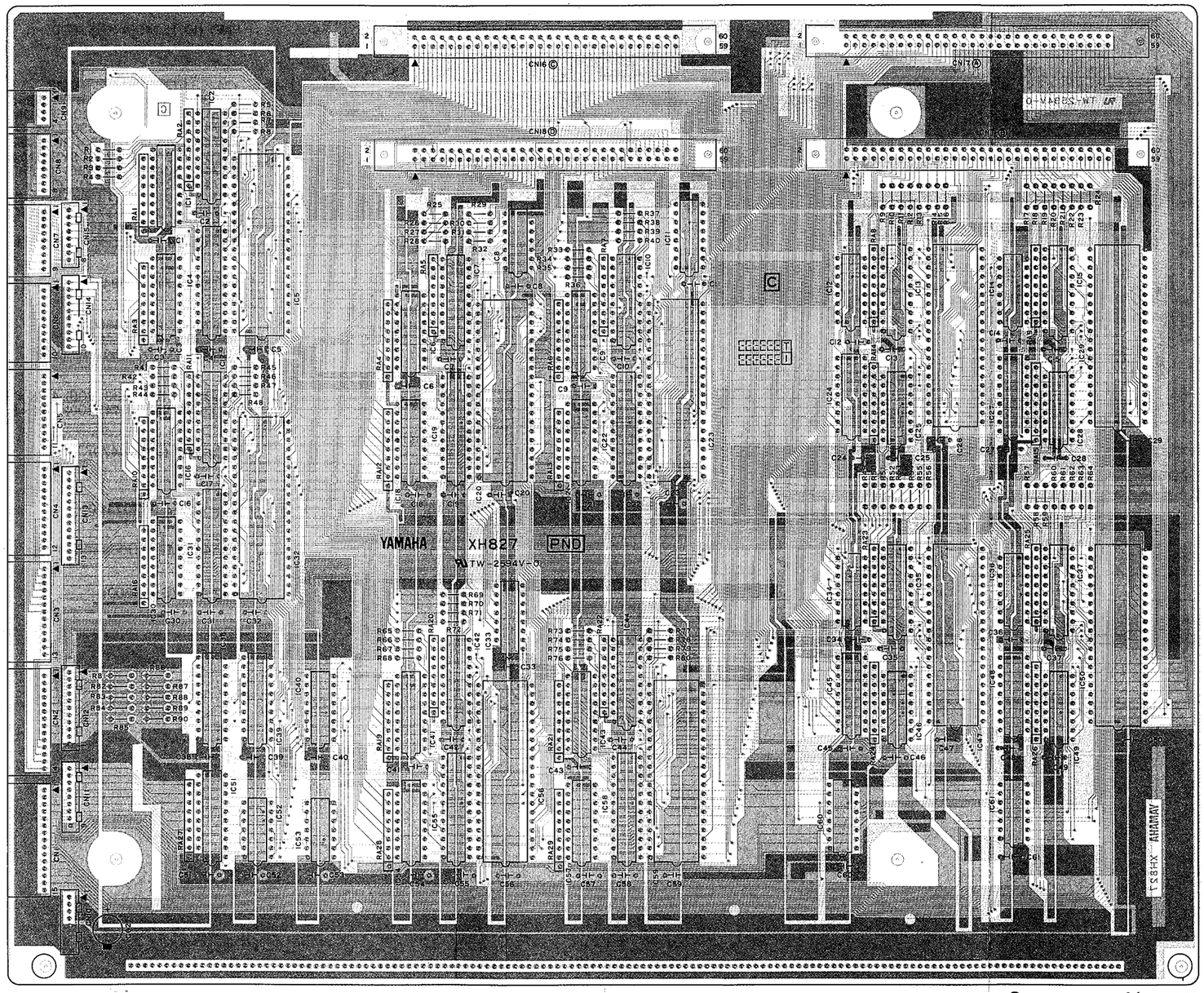
Components side (部品側)

Notes)

	Circuit Board:	PMD (VK151400) XH826C0
1.	IC	
	IC11, 13, 14, 16, 17, 20:	YM3934 (XE798A00) PMM2
	IC18:	HD6303R1P (IG093500) CPU 8bit
	IC19:	MBM27C128 (XI561D00) EP ROM (METER)
	IC21, 25:	SN74HC273N (IR027350) D-FF OCTAL
	IC24, 34, 35:	SN74HC244 (IR024450) BUS-BUFFER
	IC27:	PST518B-2 (IG116200) SYSTEM RESET
	IC28:	SN74HCU04N (IG142250) INVERTER
	IC29:	SN74HC32N (IR003250) OR
	IC30:	SN74HC139N (IR013950) DECODER 2-4
	IC31:	SN74HC373N (IR037350) D-LATCH
	IC32:	SN74HC08N (IR000850) AND
	IC33, 36:	SN74HC14N (IR001450) INVERTER
2.	Transistor	
	Q 1:	2SC945A PA (IC094530)
3.	Transistor Array	
	IC 1-10:	TD62703P (VF519600)
	IC12, 15, 23, 26:	TD62381P (VJ041400)
	IC22:	TD62781AP (XC551001) DRIVE
4.	Resistor Array	
	RA 1, 2:	RGLD8X472J (VE331200) 4.7K × 8
	RA 3:	RGLD8X103J (VE445200) 10K × 8
5.	Electrolytic Cap.	
	C41:	470μ 10V (UJ828470)
6.	Monolithic Cera. Cap.	
	C 1-9, 13-28, 30, 32-37, 40, 42:	0.1μ 50V Z (VI307100)
7.	Ceramic Resonator	
	X 1:	CSA4.00MT (QU004800) 4MHz
8.	DA Inverter Transformer	
	T 1:	D32-49 (VG582600)

DMC1000

● PND Circuit Board



Components side (部品側)

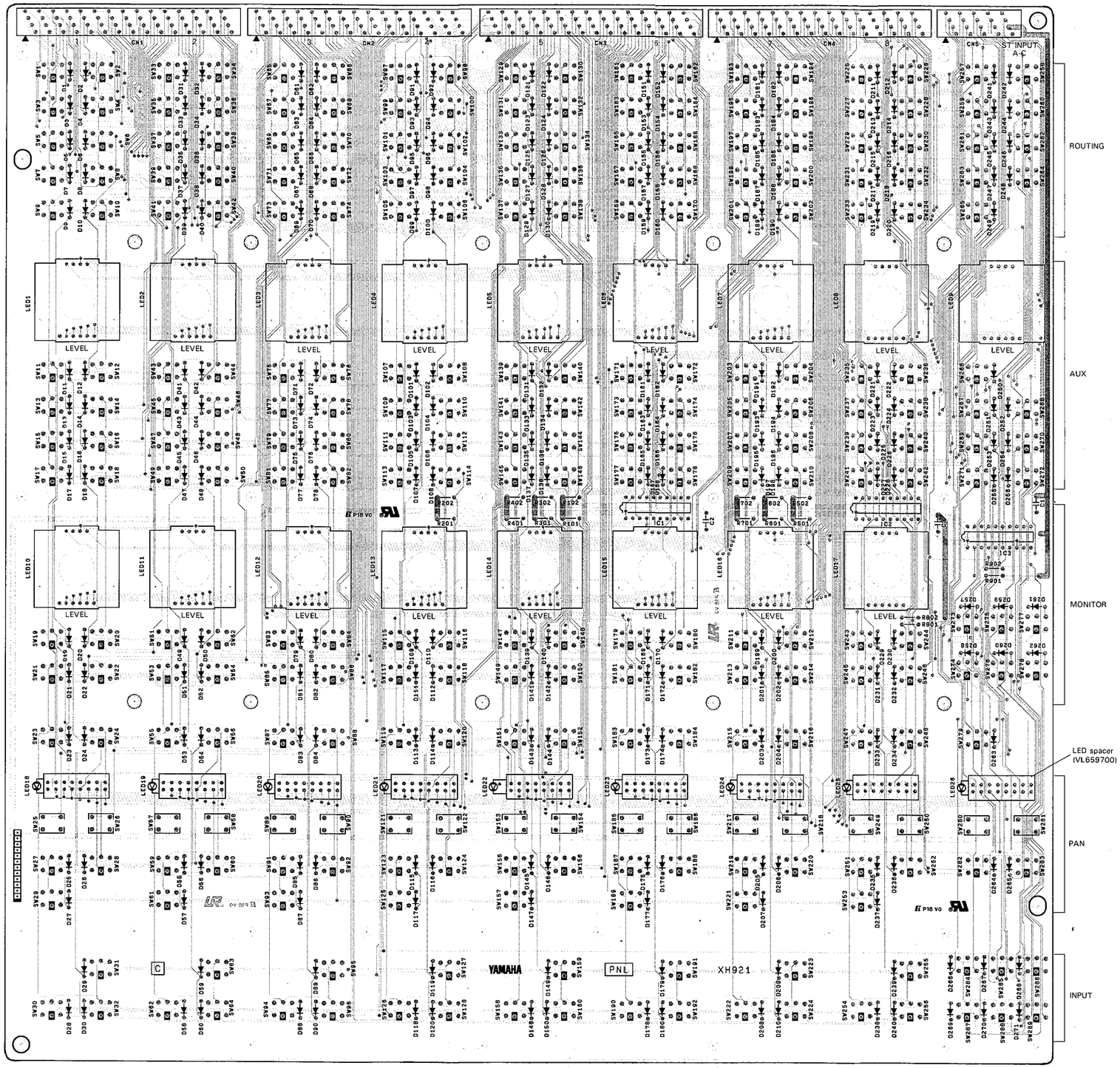
Notes)

Circuit Board: PND (VK151500) XH827C0

1. IC
   - IC 2, 7, 10, 13, 15, 17, 35, 37, 42, 44: HD74LS240P (IG044500) BUFFER
   - IC 4, 19, 22, 31, 55, 58: TC74HC154AP (IR015400) DECODER
   - IC 5, 20, 23, 26, 29, 32, 47, 50, 56, 59: μPD8279C-2 (XC519001) CPU
   - IC 8, 61: SN74HC04N (IR000450) INVERTER
   - IC11, 12, 14, 25, 28, 33, 34, 36, 46, 49, 60: SN74HC138N (IR013850) DECODER 3-8
   - IC38, 39: SN74HC244 (IR024450) BUS-BUFFER
   - IC40: SN74HC139N (IR013950) DECODER 2-4
   - IC51: SN74HC245N (IR024550) TRANSCEIVER
   - IC52: SN74HC14N (IR001450) INVERTER
   - IC53: SN74HC08N (IR000850) AND
2. Transistor Array
   - IC 1, 3, 6, 9, 16, 18, 21, 24, 27, 30, 41, 43, 45, 48, 54, 57: TD62786AP (VJ041500)
3. Resistor Array
   - RA 1-16, 19-29: RGLD8X472J (VE331200) 4.7K × 8
4. Electrolytic Cap.
   - C 62: 470μ 10V (UJ828470)
5. Monolithic Cera. Cap.
   - C 1-61: 0.1μ 50V Z (VI307100)

DMC1000

● PNL Circuit Board



Components side (部品側)

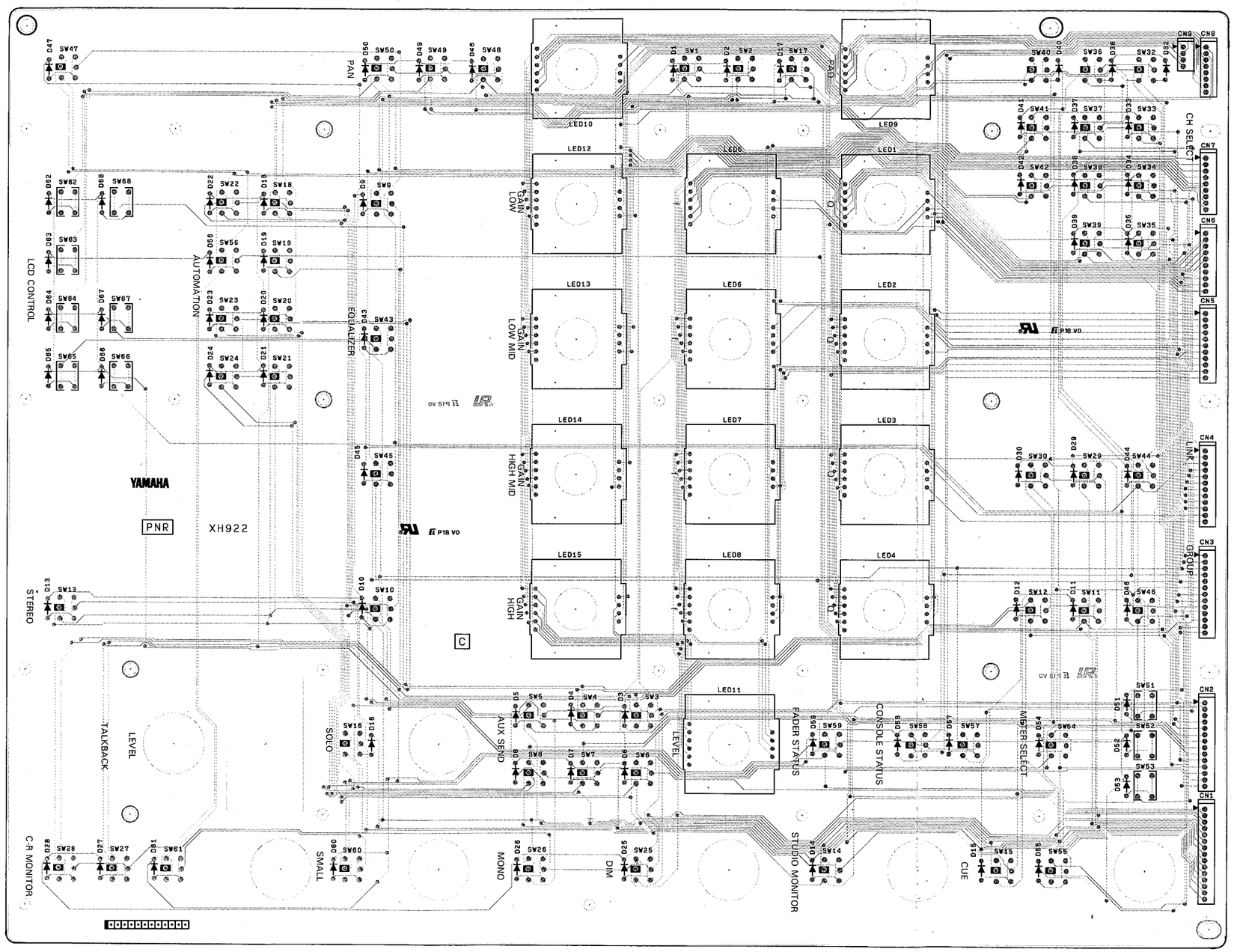
Notes)

Circuit Board: PNL (VK154600) XH921C0

1. IC
   IC 1-3: SN74HC244 (IR024450) BUS-BUFFER
2. Diode
   D 1-271: 1SS133 (IF003450)
3. Monolithic Cera. Cap.
   C 1-3: 0.1μ 50V Z (VI307100)
4. Push Switch
   SW 1-8, 14, 16, 18, 22, 23, 32-40, 46, 48, 50, 54, 55, 64-72, 78, 80, 82, 86, 87, 96-104, 110, 112, 114, 118, 119, 128-136, 142, 144, 146, 150, 151, 160-168, 174, 176, 178, 182, 183, 192-200, 206, 208, 210, 214, 215, 224-232, 238, 240, 242, 246, 247, 256-264, 268, 270, 272, 273, 275, 277, 279, 284-286: SKHQFN GR (VJ701100)
   SW 9, 13, 15, 17, 20, 21, 30, 31, 41, 45, 47, 49, 52, 53, 62, 63, 73, 77, 79, 81, 84, 85, 94, 95, 105, 109, 111, 113, 116, 117, 126, 127, 137, 141, 143, 145, 148, 149, 158, 159, 169, 173, 175, 177, 180, 181, 190, 191, 201, 205, 207, 209, 212, 213, 222, 223, 233, 237, 239, 241, 244, 245, 254, 255, 265, 267, 269, 271, 274, 276, 278, 287-289: KHQFH AMBER (VK700900)
   SW 10-12, 19, 24, 27-29, 42-44, 51, 56, 59-61, 74-76, 83, 88, 91-93, 106-108, 115, 120, 123-125, 138-140, 147, 152, 155-157, 170-172, 179, 184, 187-189, 202-204, 211, 216, 219-221, 234-236, 243, 248, 251-253, 266, 282, 283: SKHQFM OR (VK701000)
   SW 25, 26, 57, 58, 89, 90, 121, 122, 153, 154, 185, 186, 217, 218, 249, 250, 280, 281: SKHQAC (VK700800)
5. LED Display
   LED 1-17: 16P RE LT4143A (VK240500) LEVEL (AUX SEND, MONITOR)
   LED18-26: SX-25AE (VK251100) PAN Indicator
6. LED Spacer
   installed at LED18-26: 8 points (VL659700)
7. Connector Assembly (These connector assemblies are not prepared as service parts.)
   CN1: (VK27120)
   CN2: (VK27150)
   CN3: (VK27110)
   CN4: (VK27140)
   CN5: (VK29540)

DMC1000

● PNR Circuit Board



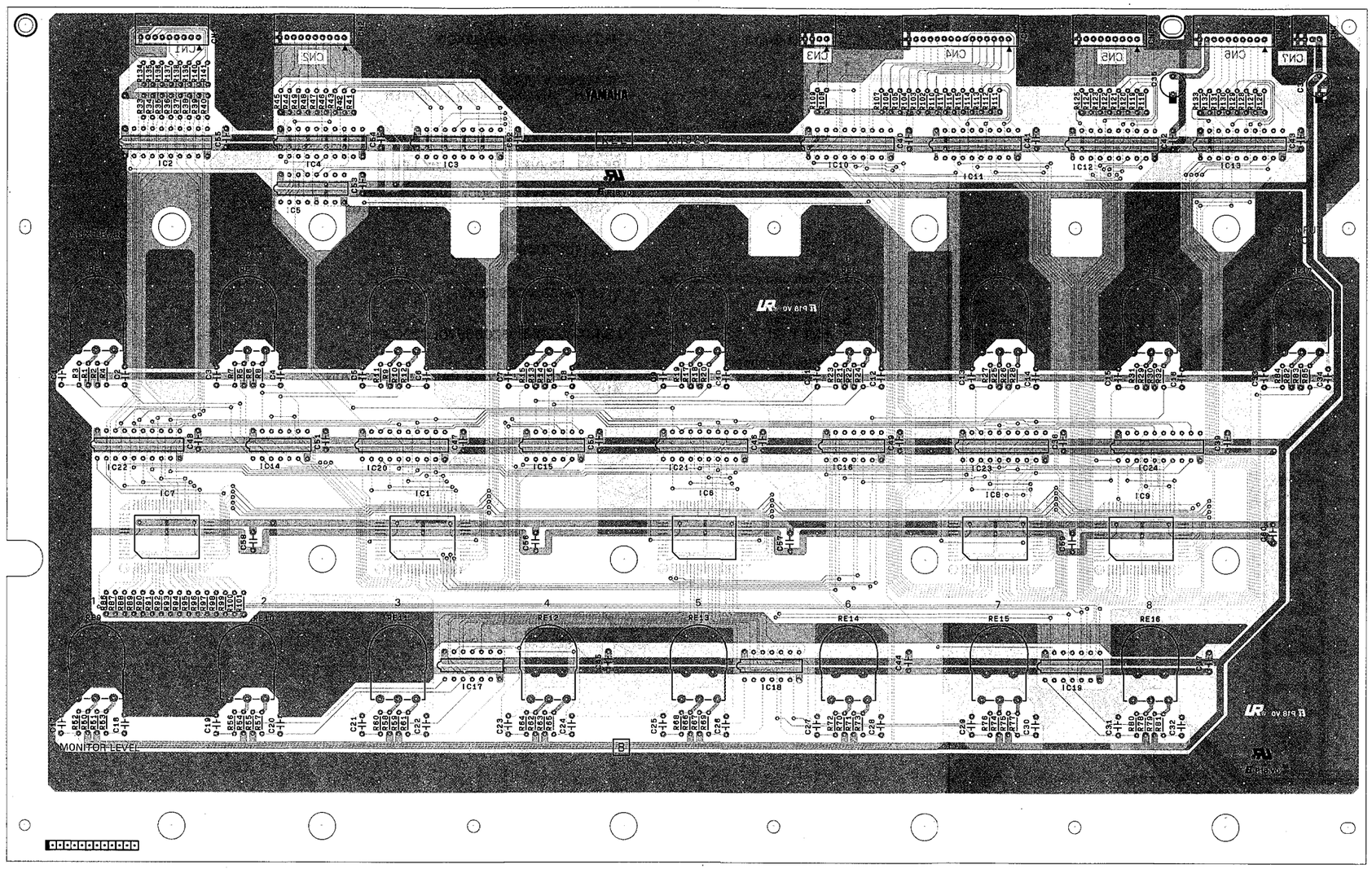
Components side (部品側)

Notes)

Circuit Board:	PNR (VK154700) XH922C0
1. Diode	
D 1-30, 32-68:	1SS133 (IF003450)
2. Push Switch	
SW 1, 2, 6-12, 18-21, 27, 29, 30, 32-42:	SKHQFN GR (VK701100)
SW 3-5, 13-17, 22-26, 28:	SKHQFH AMBER (VK700900)
SW43-50, 54-61:	SKHQFM OR (VK701000)
SW51-53, 62-68:	SKHQAC (VK700800)
3. LED Display	
LED 1-9, 11:	16P RE LT4143A (VK240500) Q, f, PAD, AUX SEND LEVEL
LED10, 12-15:	14RE2YE LT4143B (VK325900) PAN, EQ GAIN

DMC1000

● REL Circuit Board



Components side (部品側)

Notes)

Circuit Board: REL (VK154800) XH923B0

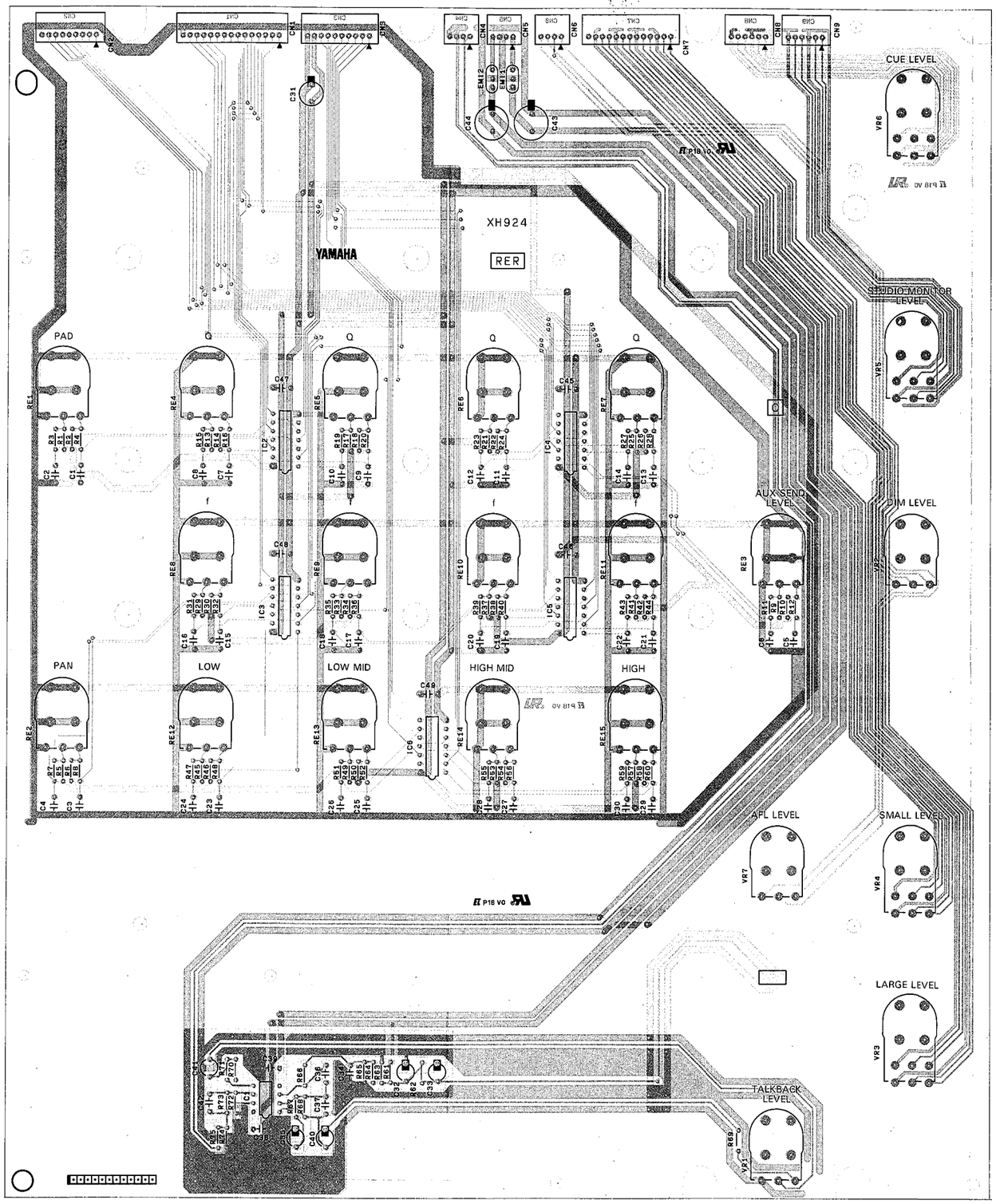
1. IC
   IC 1, 6-9: YMAB03 (XH887A00) RE COUNTER
   IC 2: SN74HC245N (IR024550) TRANSCEIVER
   IC 3, 4, 10-13, 20-24: SN74HC244 (IR024450) BUS-BUFFER
   IC 5: SN74HC138N (IR013850) DECODER 3-8
   IC14-19: SN74HC14N (IR001450) INVERTER

2. Electrolytic Cap.
   C 35, 36: 470μ 10V (UJ828470)

3. Semiconductive Cera. Cap.
   C 37-60: 0.1μ 25V Z (VC694800)

4. Rotary Encoder
   RE 1-17: EC16B40B (VK227100) LEVEL (AUX SEND, MONITOR)

● RER Circuit Board

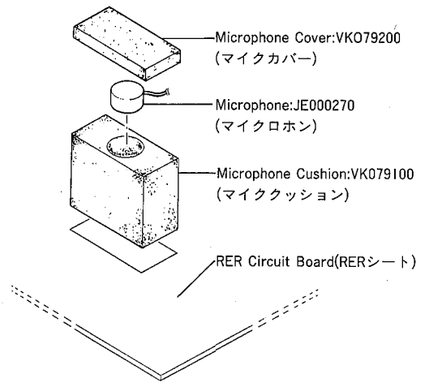


Components side (部品側)

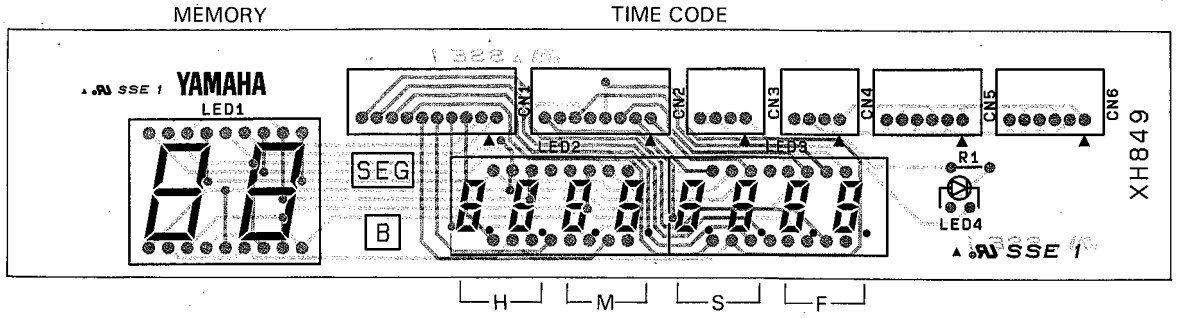
Notes)

Circuit Board: RER (VK154900) XH924C0

1. IC
   IC 1: RC4558D-V (IG001390) OP AMP.
   IC 2-6: SN74HC14N (IR001450) INVERTER
2. Variable Resistor
   VR 1: RK163122 (VK963600) A10K TALKBACK LEVEL
   VR 2, 7: RK163122 (VK963700) B10K LEVEL (DIM, AFL)
   VR 3-6: RK16312B (VK963900) A20K × 2 LEVEL (LARGE, SMALL, STUDIO MONITOR, CUE)
3. Electrolytic Cap.
   C 31: 470μ 10V (UJ828470)
4. Semiconductive Cera. Cap.
   C 45-49: 0.1μ 25V Z (VC694800)
5. EMI Filter
   EMI 1, 2: LS MT Y223NB (FZ006970) 22000P
6. Rotary Encoder
   RE 1-15: EC16B40B (VK227100) PAD, Q, f, EQ GAIN, AUX SEND LEVEL



● SEG Circuit Board



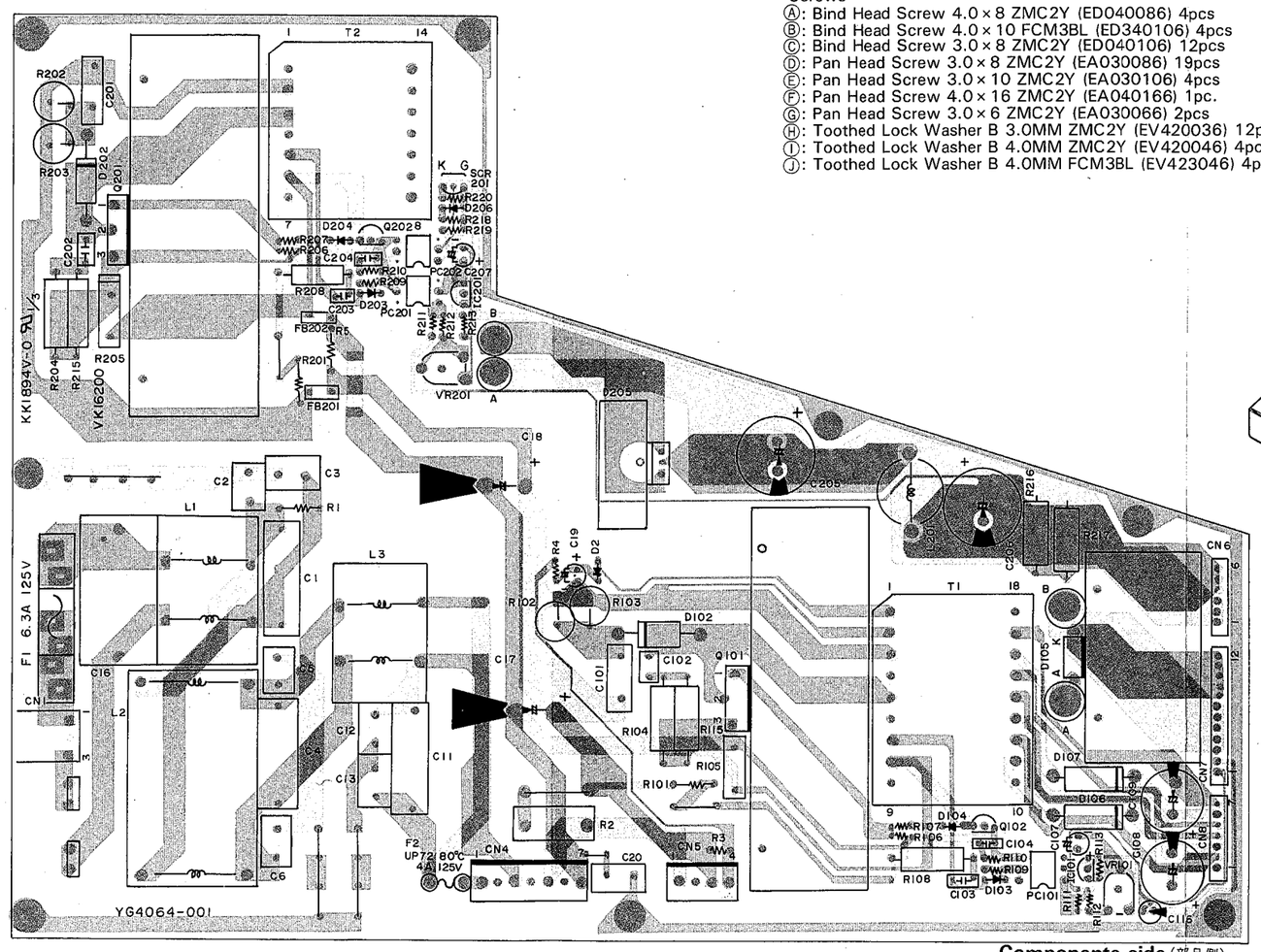
Components side (部品側)

Notes)

Circuit Board:	SEG (VK154100) XH849B0
1. LED LED 4:	LD-201VR (IF009570) DF
2. LED Display LED 1: LED 2, 3:	 GL7P220 (VK536600) MEMORY GL3P422 (VK536500) TIME CODE

■POWER SUPPLY UNIT（電源ユニット）　Japanese, U.S. and Canadian models

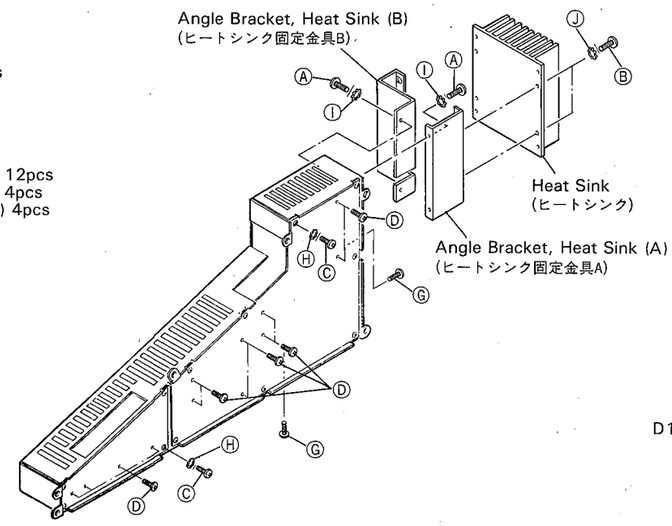
● Circuit Board 1/3

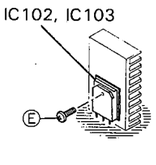


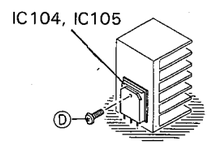
Components side（部品側）

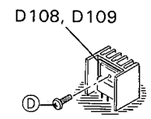
Notes)

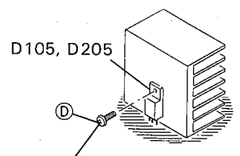
* Screws
Ⓐ: Bind Head Screw 4.0×8 ZMC2Y (ED040086) 4pcs
Ⓑ: Bind Head Screw 4.0×10 FCM3BL (ED340106) 4pcs
Ⓒ: Bind Head Screw 3.0×8 ZMC2Y (ED040106) 12pcs
Ⓓ: Pan Head Screw 3.0×8 ZMC2Y (EA030086) 19pcs
Ⓔ: Pan Head Screw 3.0×10 ZMC2Y (EA030106) 4pcs
Ⓕ: Pan Head Screw 4.0×16 ZMC2Y (EA040166) 1pc.
Ⓖ: Pan Head Screw 3.0×6 ZMC2Y (EA030066) 2pcs
Ⓗ: Toothed Lock Washer B 3.0MM ZMC2Y (EV420036) 12pcs
Ⓘ: Toothed Lock Washer B 4.0MM ZMC2Y (EV420046) 4pcs
Ⓙ: Toothed Lock Washer B 4.0MM FCM3BL (EV423046) 4pcs

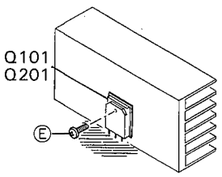


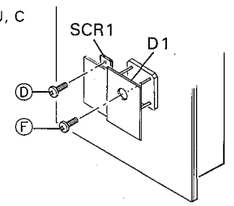




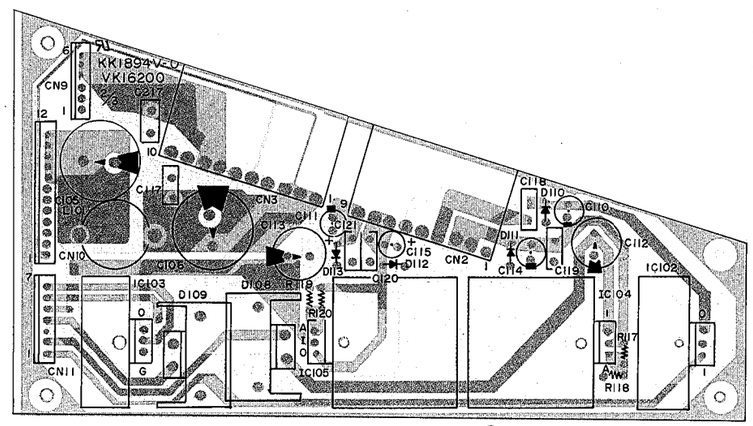






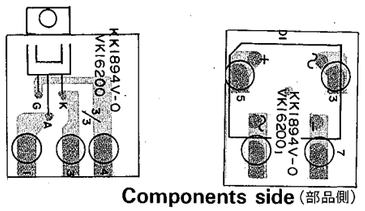


● Circuit Board 2/3



Components side（部品側）

● Circuit Board 3/3



Components side（部品側）

Notes)

Power Supply Unit: (VK162000) J,U,C / (VK162100) H,B

1. IC
IC101,201: μPC1093J (IX801910) REGULATOR
IC102: μPC7815H (IG063900) REGULATOR +15V
IC103: μPC7915H (IG077500) REGULATOR −15V
IC104: μPC317 (IX806110) REGULATOR
IC105: μPC337H (IX805950) REGULATOR

2. Photo Coupler
PC101,201: CNY17G-F2 (IX805930)

3. Transistor
Q102,202: 2SC2655 (IX552940)

4. FET
Q101,201: 2SK1170 (IX806120) J,U,C / 2SK1342 (IX806130) H,B

5. Diode
D2,103,203: 1SS84 (IF001380)
D102,202: 30DF6 (IX806150)
D105: 30KQ40 (IX806160)
D106,107: 31DQ09 (IX806170)
D108,109: 5KQ60 (IX806190)
D110-113: 11ES1 (IX806140)
D205: F16P06QS (IX806180)

6. Diode Bridge
D1: KBPC1504P (IX806200) J,U,C or KBPC1504 (IX806210) J,U,C
D1: KBPC1506P (IX806220) H,B or KBPC1506 (IX806230) H,B

7. Zener Diode
D104,204: HZ12B2 12.0V (IF002350)
D206: HZ15-3 15.0V (IF004240)

8. Thyristor
SCR1: 5P4SMYF (IX806240) J,U,C / 5P6SMYF (IX806250) H,B
SCR201: CR02AM4 (IX806260)

9. Metal Oxide Film Resistor
R2: 6.8Ω 5W (HX806350)
R102,103,202,203: 27KΩ 3W (HX806360) J,U,C / 68KΩ 2W (HL327680) H,B
R104,204,115,205: 330Ω 2W (HL825330)
R108,208: 82Ω 1W (HL314820)
R116: 6.8Ω 5W (HX806350) H,B
R216,217: 240Ω 2W (HX806370)

10. Wire Wound Resist
R105: 70mΩ 5W (HX806380) J,U,C / 0.15Ω 5W (HX806390) H,B
R205: 0.1Ω 5W (HM552100) J,U,C / 0.22Ω 5W (HM752220) H,B

11. Carbon Resistor
R101,201: 560KΩ 1/2W (J,U,C)
R101,114,201,214: 680KΩ 1/2W (H,B)

12. Trimmer Potentiometer
VR101: RVF08P01-102 (HT570540) B1K
VR201: RVF08P (HX806400) B10K

13. Electrolytic Cap.
C17,18: 820μF 200V (FX800720) J,U,C / 390μF 400V (FX800730) H,B
C105,106: 10000μF 10V (FZ006860)
C108,109: 2200μF 35V (FJ259220) J,U,C / 2200μF 25V (UJ649220) H,B
C112,113: 2200μF 16V (FZ006510)
C205,206: 4700μF 25V (FZ002720)

14. Ceramic Cap.
C2,3,5,6,12,13: 1000PF 125V (FX800740)
C7-10,14,15: 2200PF 125V (FZ002850) H,B
C20: 1000PF 125V (FX800740) J,U,C
C101,201: 0.01μF 125V (FZ002030) H,B
C102,202: 220PF 1KV (FX800750)

15. Metalized Film Cap.
C1,4,11: 0.22μF 250V (VI346100)
C16: 1.0μF 250V (FX800760) H,B
C101,201: 0.033μF 630V (FX800770) J,U,C

16. Choke Coil
L1: FM06E150M (GX803060) J,U,C / FT-1KM15D080045 (GX803070) H,B
L2: ETQ39K2A (GX803030) J,U,C / ETQ39K12A-1 (GX803040) H,B
L3: CL500300GB (GX803050) J,U,C / CL300500FBK (GX802800) H,B
L101,201: 20A 7μH (GX803080)

17. Fuse
F1: ST6 6.3A 125V (KX803030) J,U,C / T3.15A 250V (KX803040) H,B
F2: UP72 80°C (KX802770) J,U,C

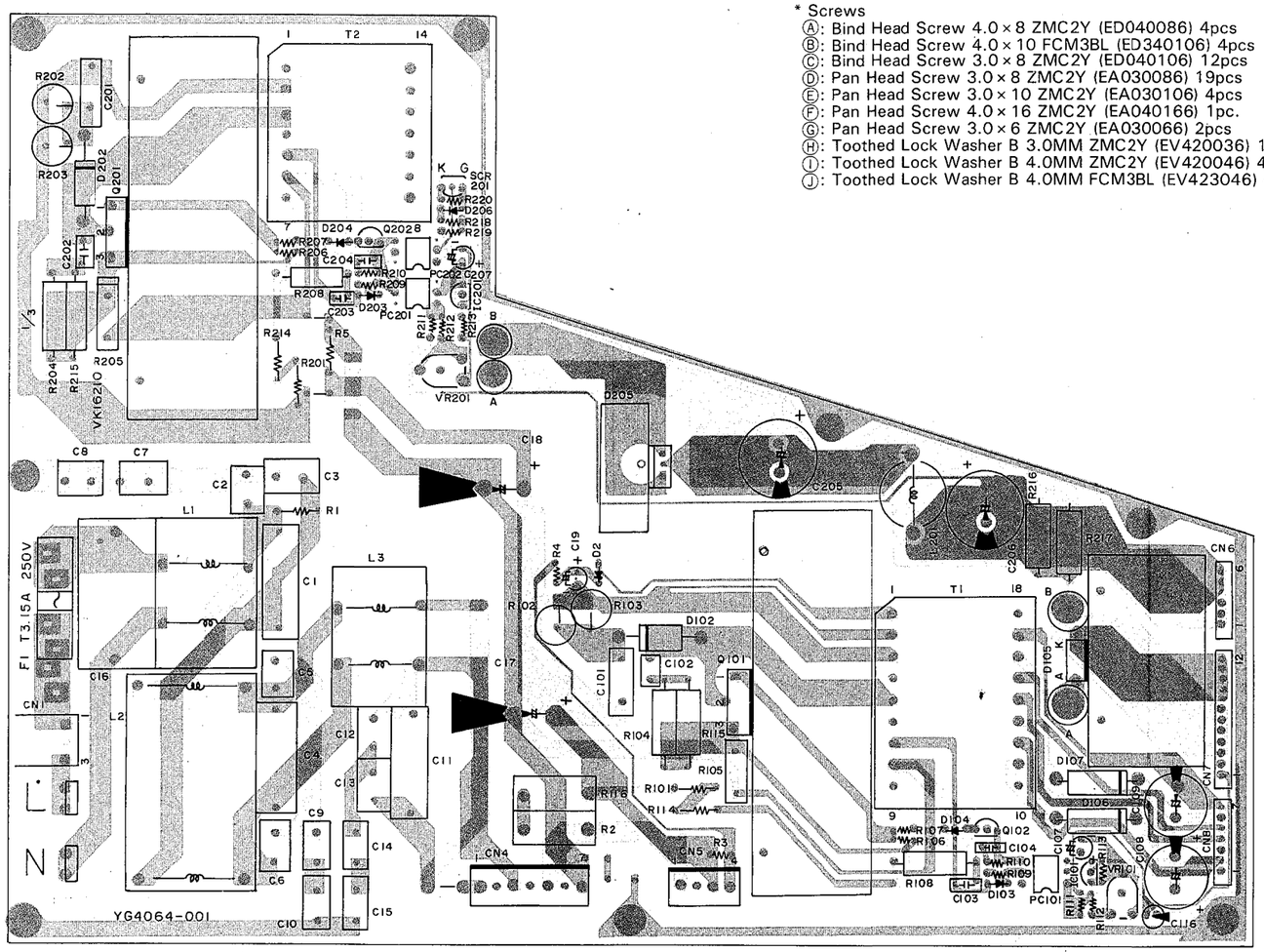
18. Ferrite Bead
FB201,202: LFW7B-M3R2A0 (BX800570) J,U,C

19. Power Transformer
T1: TUM031F (GX803090) J,U,C
T1: TUM033F (GX803100) H,B
T2: TUM030E (GX803110) J,U,C
T2: TUM032D (GX803120) H,B

DMC1000

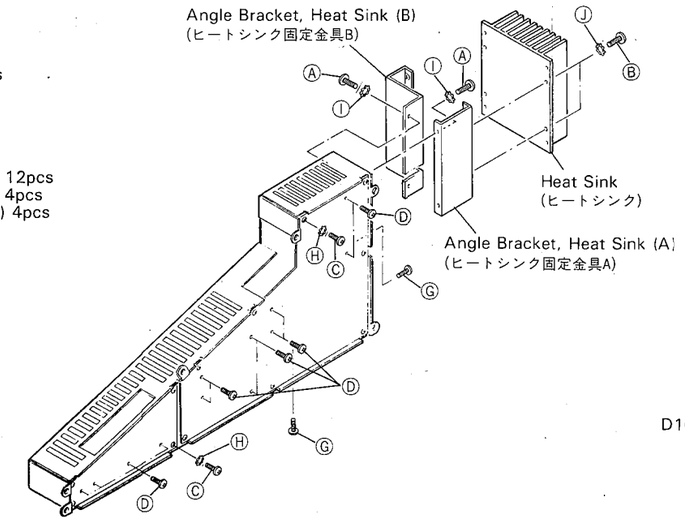
■POWER SUPPLY UNIT（電源ユニット）　European model

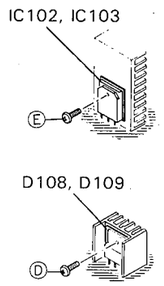
● Circuit Board 1/3

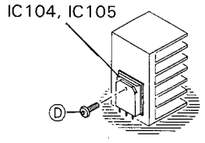


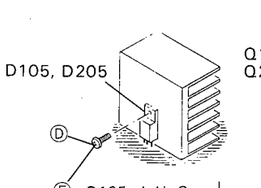
Notes)

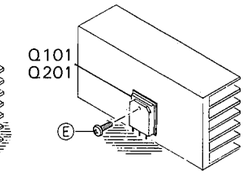
* Screws
- Ⓐ: Bind Head Screw 4.0×8 ZMC2Y (ED040086) 4pcs
- Ⓑ: Bind Head Screw 4.0×10 FCM3BL (ED340106) 4pcs
- Ⓒ: Bind Head Screw 3.0×8 ZMC2Y (ED040106) 12pcs
- Ⓓ: Pan Head Screw 3.0×8 ZMC2Y (EA030086) 19pcs
- Ⓔ: Pan Head Screw 3.0×10 ZMC2Y (EA030106) 4pcs
- Ⓕ: Pan Head Screw 4.0×16 ZMC2Y (EA040166) 1pc.
- Ⓖ: Pan Head Screw 3.0×6 ZMC2Y (EA030066) 2pcs
- Ⓗ: Toothed Lock Washer B 3.0MM ZMC2Y (EV420036) 12pcs
- Ⓘ: Toothed Lock Washer B 4.0MM ZMC2Y (EV420046) 4pcs
- Ⓙ: Toothed Lock Washer B 4.0MM FCM3BL (EV423046) 4pcs

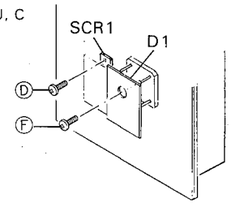




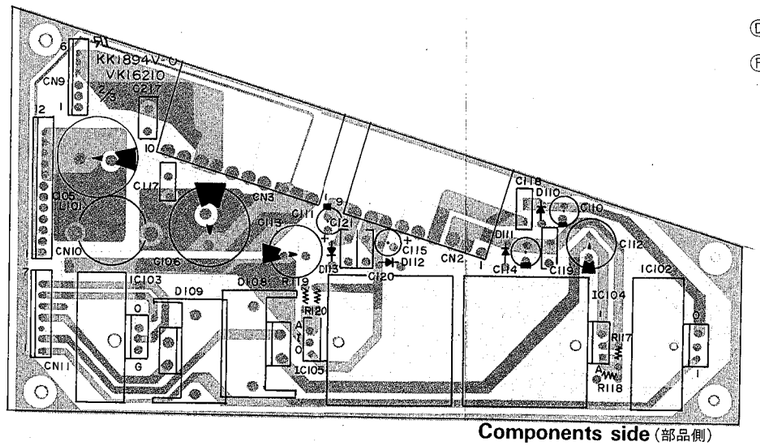






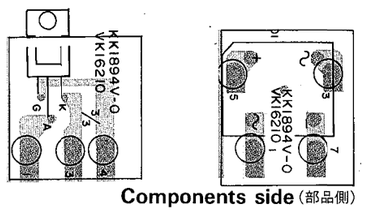


● Circuit Board 2/3



Components side（部品側）

● Circuit Board 3/3



Components side（部品側）

Notes)

Power Supply Unit: (VK162000) J,U,C / (VK162100) H,B

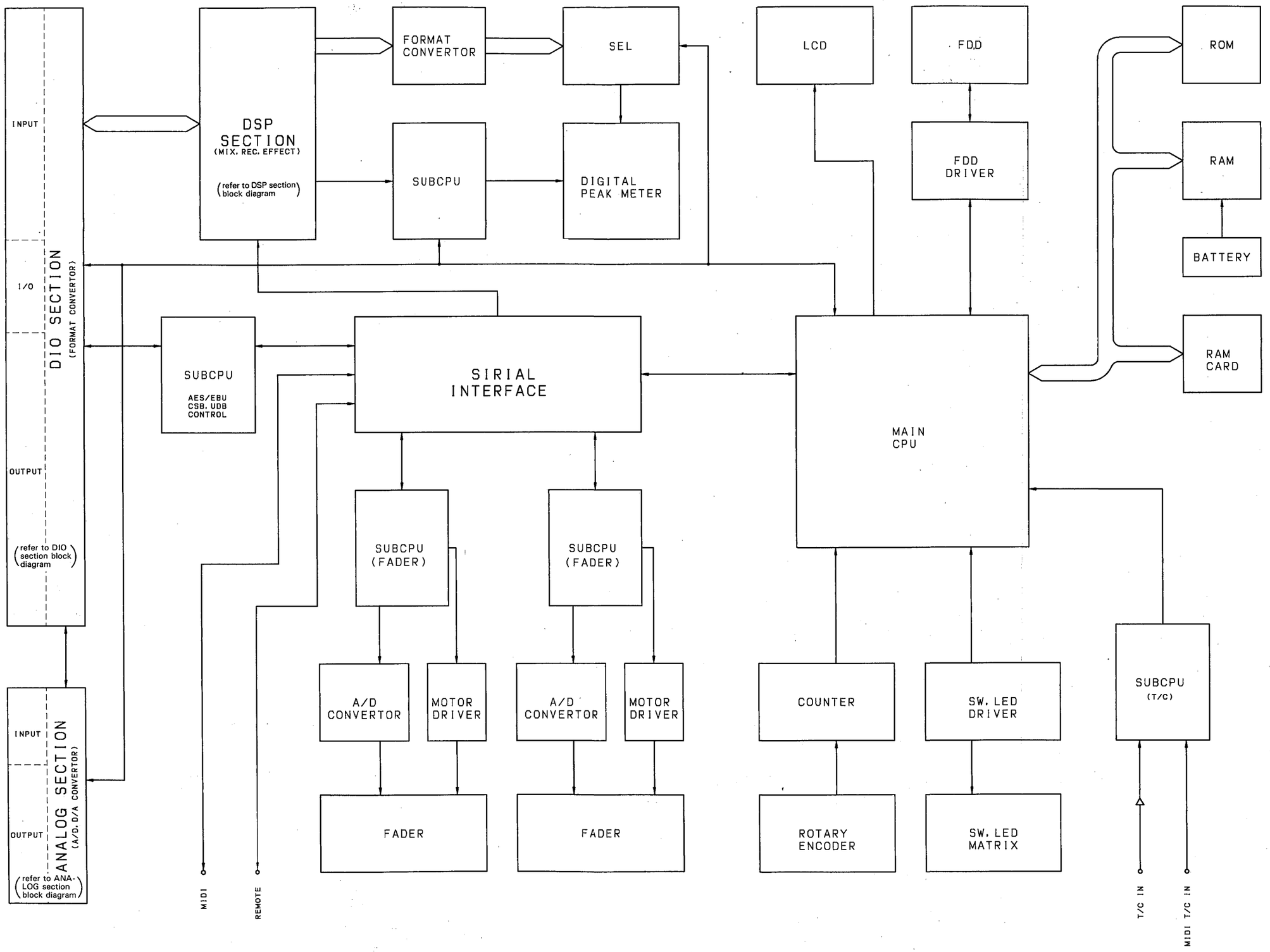
1. IC
   - IC101,201: μPC1093J (IX801910) REGULATOR
   - IC102: μPC7815H (IG063900) REGULATOR +15V
   - IC103: μPC7915H (IG077500) REGULATOR −15V
   - IC104: μPC317 (IX806110) REGULATOR
   - IC105: μPC337H (IX805950) REGULATOR
2. Photo Coupler
   - PC101,201: CNY17G-F2 (IX805930)
3. Transistor
   - Q102,202: 2SC2655 (IX552940)
4. FET
   - Q101,201: 2SK1170 (IX806120) J,U,C / 2SK1342 (IX806130) H,B
5. Diode
   - D2,103,203: 1SS84 (IF001380)
   - D102,202: 30DF6 (IX806150)
   - D105: 30KQ40 (IX806160)
   - D106,107: 31DQ09 (IX806170)
   - D108,109: 5KQ60 (IX806190)
   - D110-113: 11ES1 (IX806140)
   - D205: F16P06QS (IX806180)
6. Diode Bridge
   - D1: KBPC1504P (IX806200) J,U,C or KBPC1504 (IX806210) J,U,C
   - D1: KBPC1506P (IX806220) H,B or KBPC1506 (IX806230) H,B
7. Zener Diode
   - D104,204: HZ12B2 12.0V (IF002350)
   - D206: HZ15-3 15.0V (IF004240)
8. Thyristor
   - SCR1: 5P4SMYF (IX806240) J,U,C / 5P6SMYF (IX806250) H,B
   - SCR201: CR02AM4 (IX806260)
9. Metal Oxide Film Resistor
   - R2: 6.8Ω 5W (HX806350)
   - R102,103,202,203: 27KΩ 3W (HX806360) J,U,C
   - R104,204,115,205: 68KΩ 2W (HL327680) H,B
   - R108,208: 330Ω 2W (HL825330)
   - R116: 82Ω 1W (HL314820)
   - R216,217: 6.8Ω 5W (HX806350) H,B / 240Ω 2W (HX806370)
10. Wire Wound Resist
    - R105: 70mΩ 5W (HX806380) J,U,C / 0.15Ω 5W (HX806390) H,B / 0.1Ω 5W (HM552100) J,U,C / 0.22Ω 5W (HM752220) H,B
    - R205:
11. Carbon Resistor
    - R101,201: 560KΩ 1/2W (J,U,C)
    - R101,114,201,214: 680KΩ 1/2W (H,B)
12. Trimmer Potentiometer
    - VR101: RVF08P01-102 (HT570540) B1K
    - VR201: RVF08P (HX806400) B10K
13. Electrolytic Cap.
    - C17,18: 820μF 200V (FX800720) J,U,C / 390μF 400V (FX800730) H,B
    - C105,106: 10000μF 10V (FZ006860)
    - C108,109: 2200μF 35V (FJ259220) J,U,C / 2200μF 25V (UJ649220) H,B
    - C112,113: 2200μF 16V (FZ006510)
    - C205,206: 4700μF 25V (FZ002720)
14. Ceramic Cap.
    - C2,3,5,6,12,13: 1000PF 125V (FX800740)
    - C7-10,14,15: 2200PF 125V (FZ002850) H,B
    - C20: 1000PF 125V (FX800740) J,U,C
    - C101,201: 0.01μF 125V (FZ002030) H,B
    - C102,202: 220PF 1KV (FX800750)
15. Metalized Film Cap.
    - C1,4,11: 0.22μF 250V (VI346100)
    - C16: 1.0μF 250V (FX800760) H,B
    - C101,201: 0.033μF 630V (FX800770) J,U,C
16. Choke Coil
    - L1: FM06E150M (GX803060) J,U,C / FT-1KM15D080045 (GX803070) H,B
    - L2: ETQ39K2A (GX803030) J,U,C / ETQ39K12A-1 (GX803040) H,B
    - L3: CL500300GB (GX803050) J,U,C / CL300500FBK (GX802800) H,B
    - L101,201: 20A 7μH (GX803080)
17. Fuse
    - F1: ST6 6.3A 125V (KX803030) J,U,C / T3.15A 250V (KX803040) H,B
    - F2: UP72 80°C (KX802770) J,U,C
18. Ferrite Bead
    - FB201,202: LFW7B-M3R2A0 (BX800570) J,U,C
19. Power Transformer
    - T1: TUM031F (GX803090) J,U,C
    - T1: TUM033F (GX803100) H,B
    - T2: TUM030E (GX803110) J,U,C
    - T2: TUM032D (GX803120) H,B

■BLOCK DIAGRAM

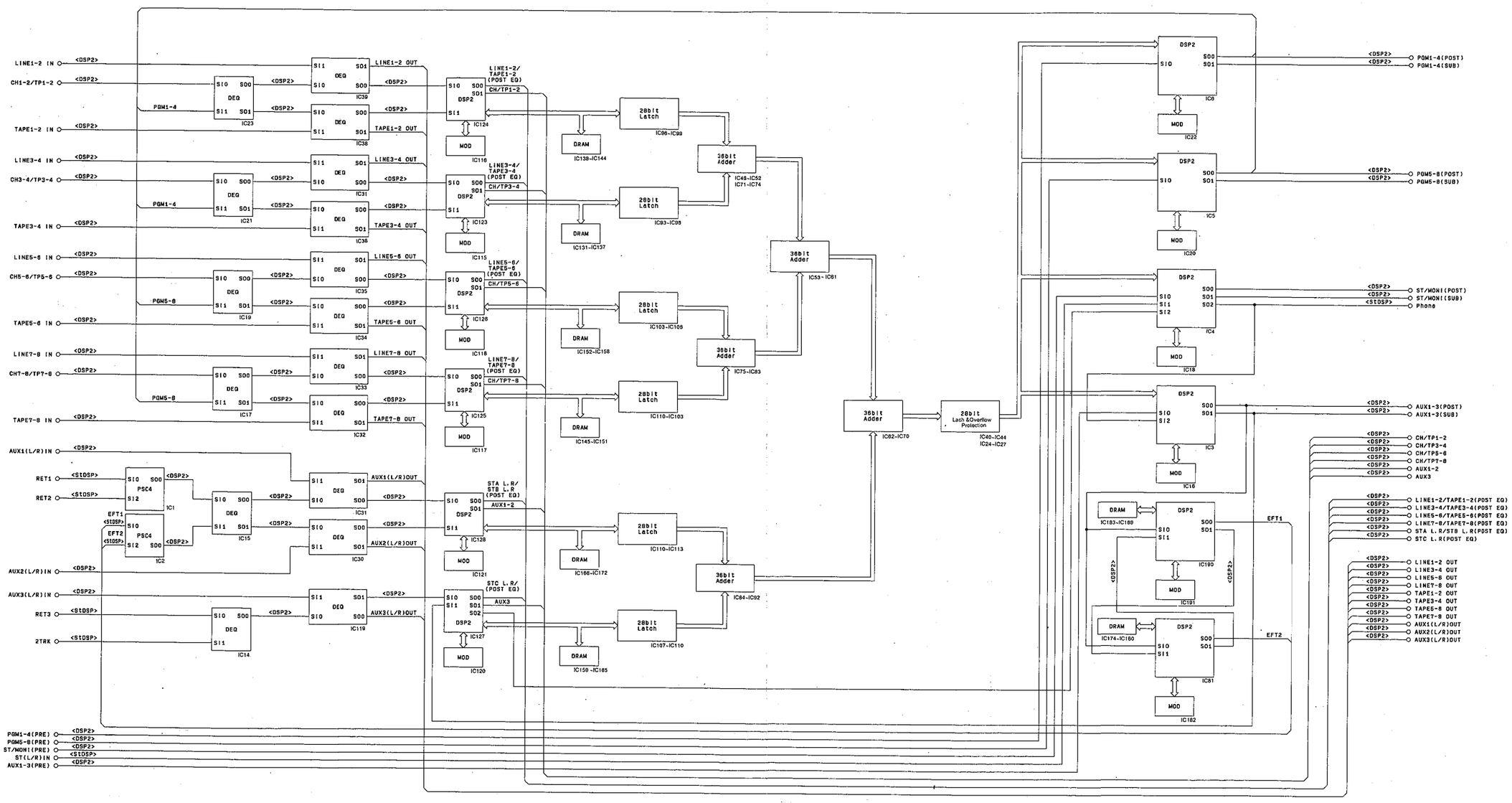
■CONTENTS（目次）

BLOCK DIAGRAM (MAIN) ····· 1
BLOCK DIAGRAM (DSP SECTION) ····· 2
BLOCK DIAGRAM (DIO SECTION) ····· 3
BLOCK DIAGRAM (ANALOG SECTION) ····· 4
LEVEL DIAGRAM (DIGITAL SECTION) ····· 5
LEVEL DIAGRAM (ANALOG SECTION) ····· 6
BLOCK DIAGRAM 1/2 ····· 7
BLOCK DIAGRAM 2/2) ····· 8

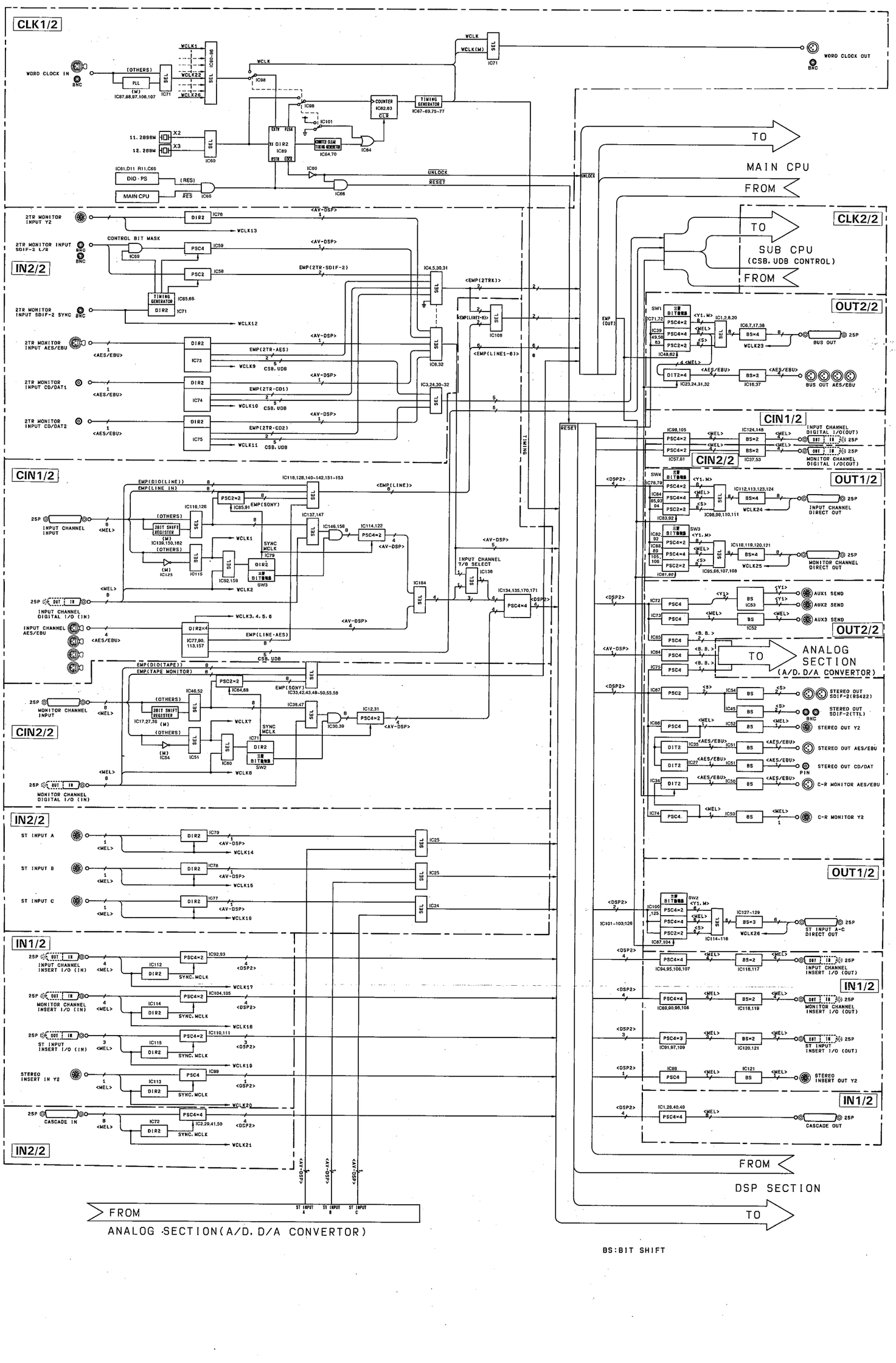
■BLOCK DIAGRAM (MAIN)



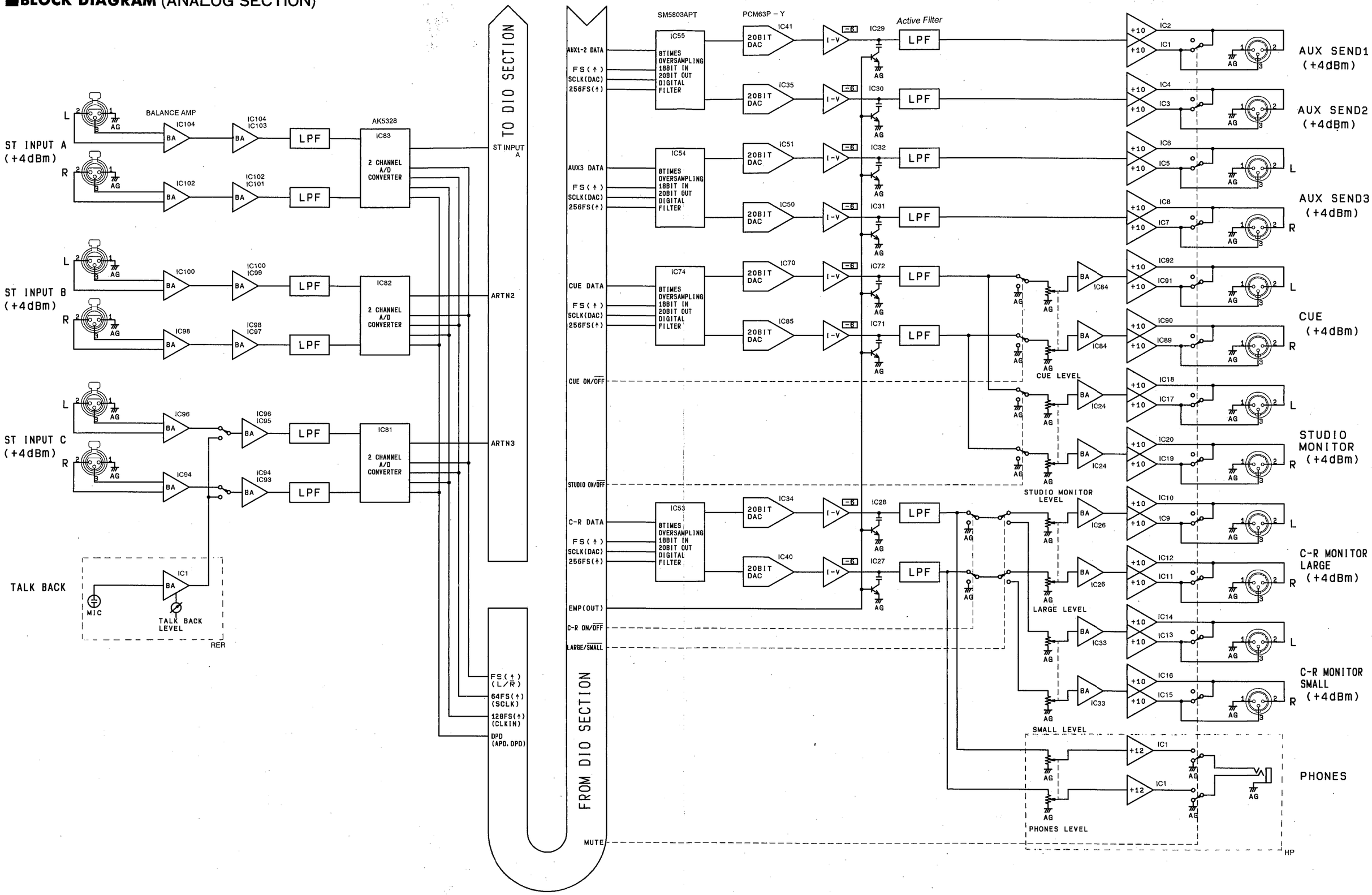
■BLOCK DIAGRAM (DSP SECTION)



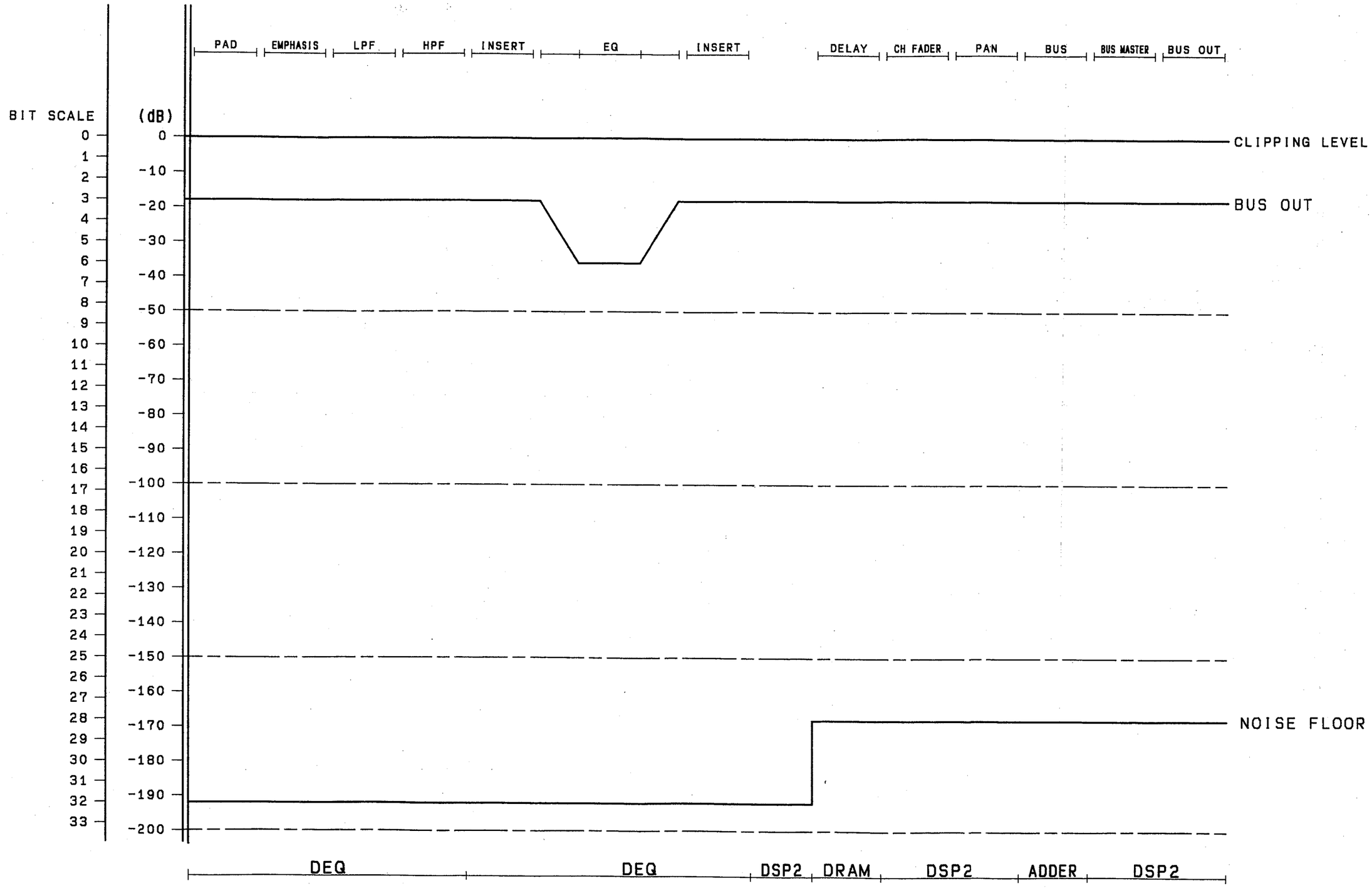
BLOCK DIAGRAM (DIO SECTION)



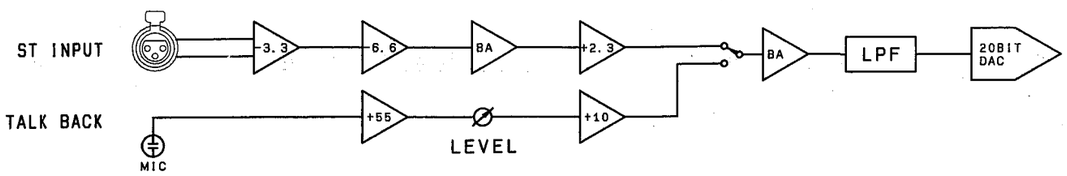
■BLOCK DIAGRAM (ANALOG SECTION)

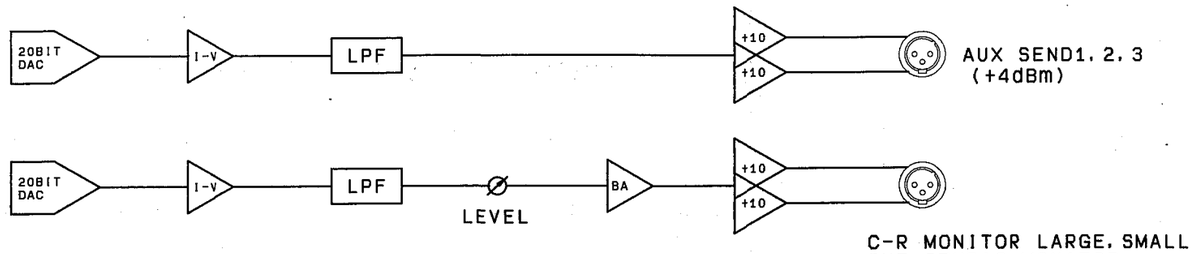


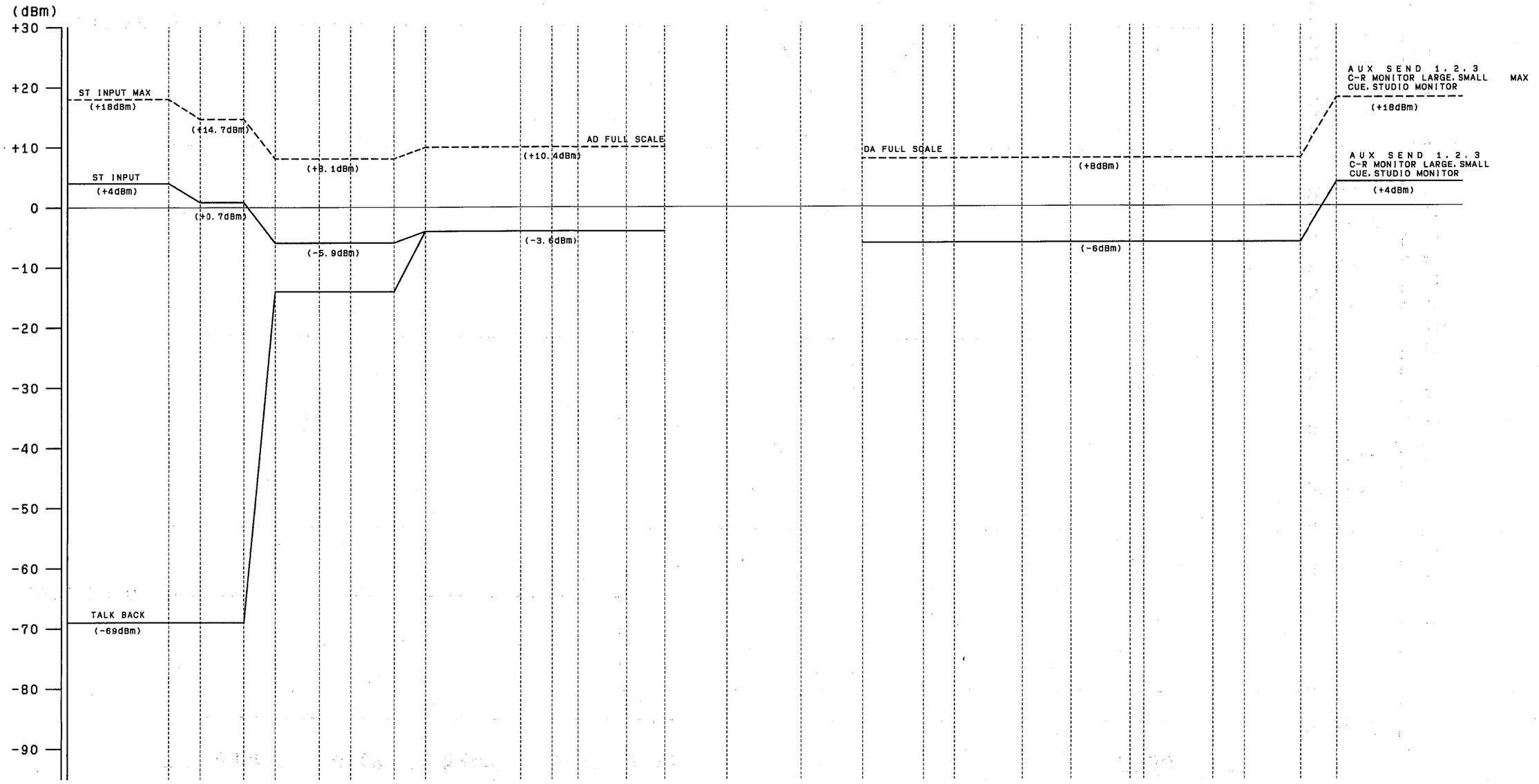
■LEVEL DIAGRAM (DIGITAL SECTION)



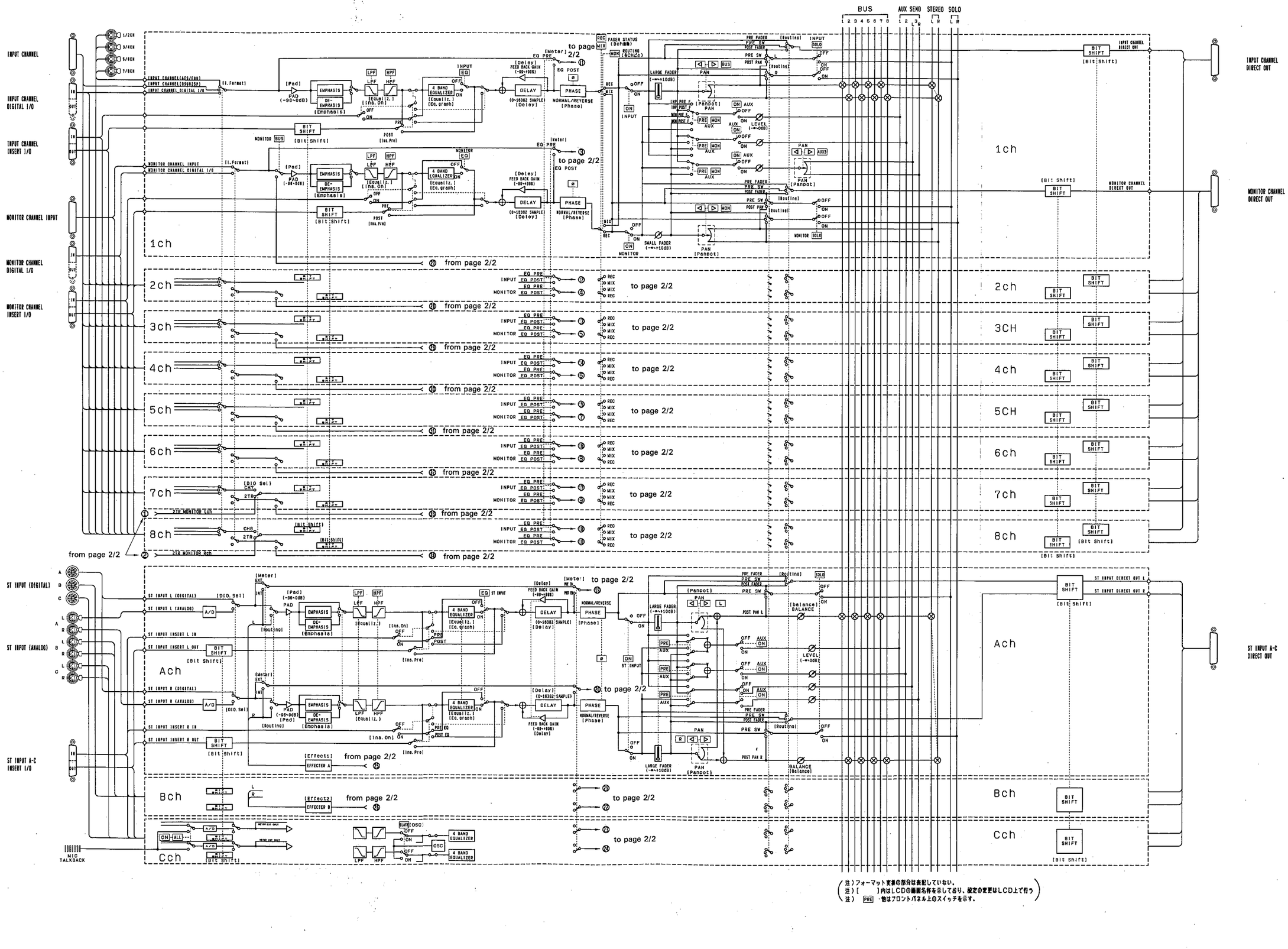
■LEVEL DIAGRAM (ANALOG SECTION)





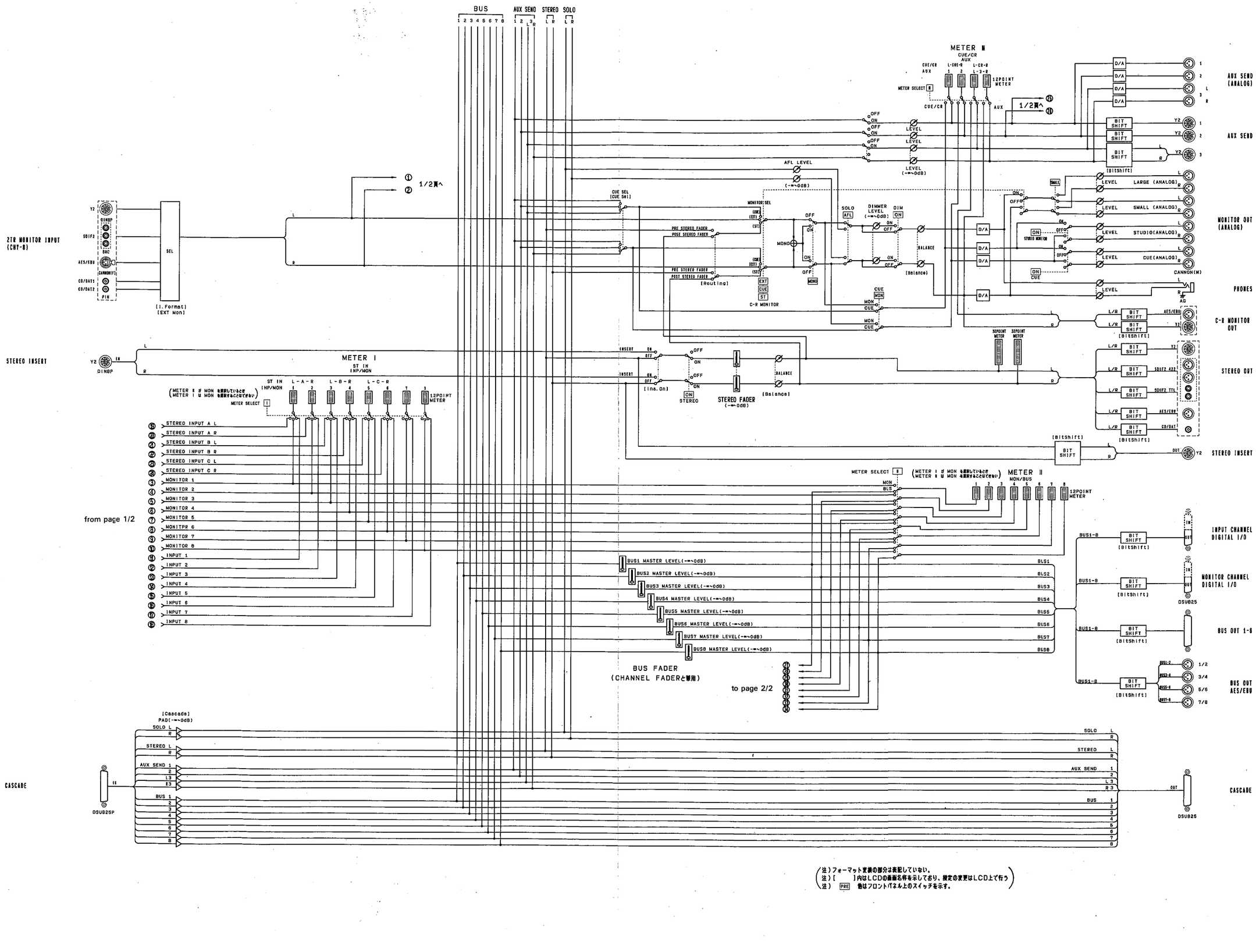


■BLOCK DIAGRAM 1/2



(注)フォーマット変更の部分は表記していない。
(注)[ ]内はLCDの画面名称を示しており、設定の変更はLCD上で行う
(注) PRE ・他はフロントパネル上のスイッチを示す。

■BLOCK DIAGRAM 2/2



(注)フォーマット変換の部分は表記していない。
(注)[ ]内はLCDの画面名称を示しており、設定の変更はLCD上で行う
(注) PRE 他はフロントパネル上のスイッチを示す。

■CIRCUIT DIAGRAM

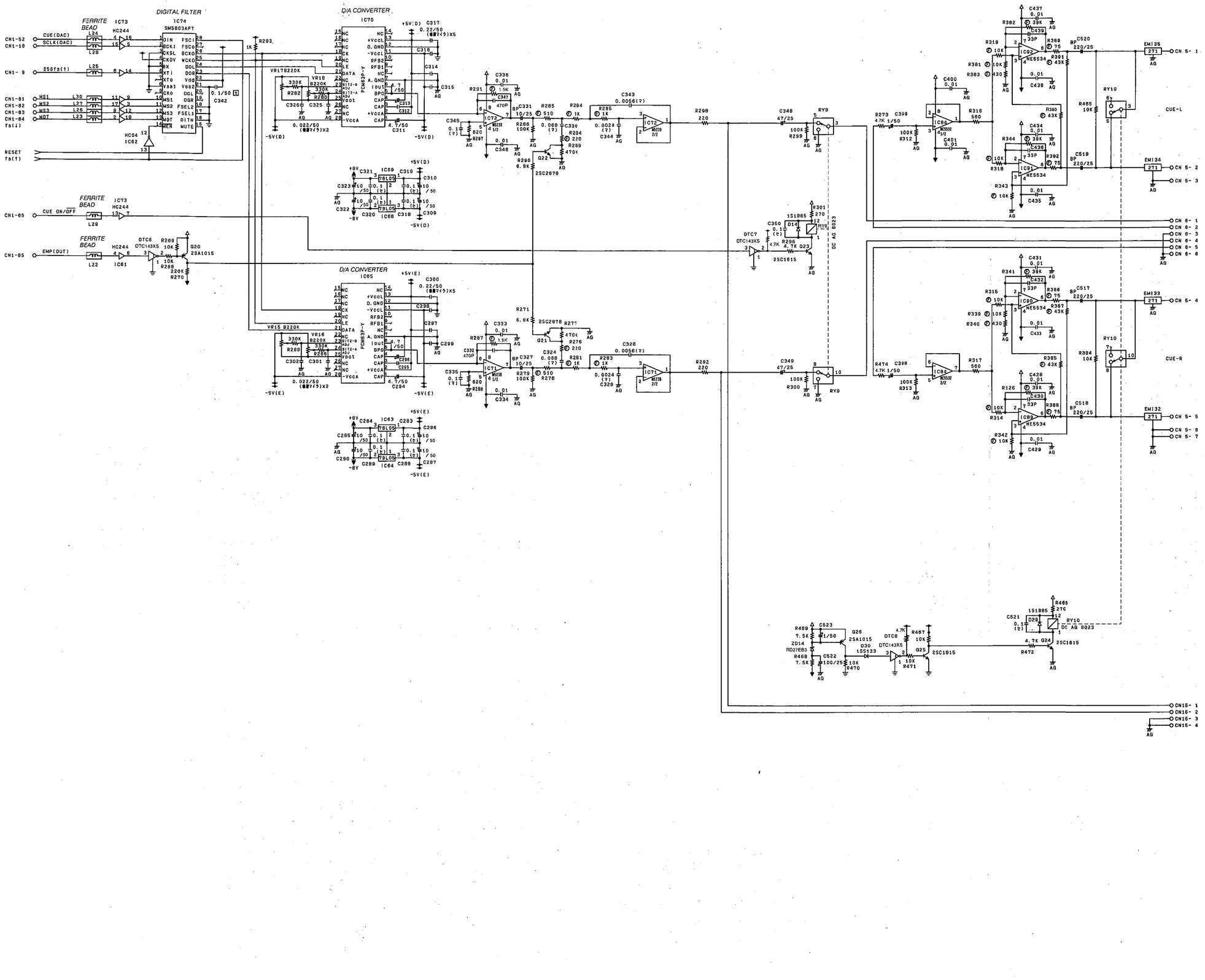
Page	Circuit Board		Description
1	ANA1/2-1/3 (Version Ⓑ)	Analog	A/D × 2 AUX1 (L·R) RETURN AUX2 (L·R) RETURN
2	ANA1/2-2/3 (Version Ⓑ)	Analog	A/D × 1 AUX3 (L·R) RETURN
3	ANA1/2-3/3 (Version Ⓑ)	Analog	DA × 2 DIGI FILTTER CUE L·R
4	ANA2/2-1/3 (Version Ⓑ)	Analog	DA × 4 DIGI FILTTER × 2 AUX1/2/AUX3 (L·R)
5	ANA2/2-2/3 (Version Ⓑ)	Analog	DA × 2 DIGI FILTTER CR MONI (LARGE) L·R/(SMALL) L·R
6	ANA2/2-3/3 (Version Ⓑ)	Analog	LINE AMP × 2 STUDIO L·R
7	ANA1/2-1/3 (Version Ⓒ)	Analog	A/D × 2 AUX1 (L·R) RETURN AUX2 (L·R) RETURN
8	ANA1/2-2/3 (Version Ⓒ)	Analog	A/D × 1 AUX3 (L·R) RETURN
9	ANA1/2-3/3 (Version Ⓒ)	Analog	DA × 2 DIGI FILTTER CUE L·R
10	ANA2/2-1/3 (Version Ⓒ)	Analog	DA × 4 DIGI FILTTER × 2 AUX1/2/AUX3 (L·R)
11	ANA2/2-2/3 (Version Ⓒ)	Analog	DA × 2 DIGI FILTTER CR MONI (LARGE) L·R/(SMALL) L·R
12	ANA2/2-3/3 (Version Ⓒ)	Analog	LINE AMP × 2 STUDIO L·R
13	CIN1/2-1/4	Channel In	LINE IN RSC4 × 2
14	CIN1/2-2/4	Channel In	LINE IN (AES) DIR2 × 4
15	CIN1/2-3/4	Channel In	LINE/TAPE MIX PSC4 × 5
16	CIN1/2-4/4	Channel In	LINE IN (EMP) DIR2 PSC2 × 2
17	CIN2/2-1/5	Channel In	TAPE IN PSC4 × 2
18	CIN2/2-2/5	Channel In	TAPE MIX PSC4 × 2
19	CIN2/2-3/5	Channel In	TAPE IN (EMP) PSC2 × 2 DIR2
20	CIN2/2-4/5	Channel In	METER1 PSC4 × 6
21	CIN2/2-5/5	Channel In	METER2 ESI × 2
22	CLK1/2	Clock	MASTER PLL WCLK SEL DIR2 × 1 PLL
23	CLK2/2	Clock	AES/EBU 8 bit CPU
24	CPU-1/7	CPU	CUP × 1 EPROM × 2 SRAM × 12 DECORDER
25	CPU-2/7	CPU	ACIA × 2 PPI × 2 FDC PTC RTC
26	CPU-3/7	CPU	TRANSCEIVER × 5
27	CPU-4/7	CPU	DATA BUS DRIVER
28	CPU-5/7	CPU	SUB CPU (8 bit) TC MIDI
29	CPU-6/7	CPU	SUB CPU (8 bit) FADER (1 ~ 5ch)
30	CPU-7/7	CPU	SUB CPU (8 bit) FADER (6 ~ 8ch, RET.ST)
31	CRA	Connector Rear-A	ANALOG IN
32	CRC-1/2	Connector Rear-C	LINE IN/DIR
33	CRC-2/2	Connector Rear-C	LINE INSERT/DIO
34	CRD	Connector Rear-D	LINE (AES/EBU) IN
35	CRE-1/2	Connector Rear-E	TAPE IN/DIR
36	CRE-2/2	Connector Rear-E	TAPE INSERT/DIO
37	CRF-1/2	Connector Rear-F	AUX RETURN
38	CRF-2/2	Connector Rear-F	AUX INSERT/DIR
39	CRG	Connector Rear-G	2 TRACK IN
40	CRH	Connector Rear-H	BUSS OUT
41	CRI	Connector Rear-I	ST OUT
42	CRJ	Connector Rear-J	ST INSERT/AUX SEND
43	CRK-1/2	Connector Rear-K	MONITOR OUT
44	CRK-2/2	Connector Rear-K	CASCADE IN/OUT
45	CRL	Connector Rear-L	REMOTE/WORD CLOCK/TIME CODE
46	CRM	Connector Rear-M	MIDI/MIDI TIME CODE
47	DSP-1/6	Digital Sound Processor	PSC4 × 2 DEQ2 × 15
48	DSP-2/6	Digital Sound Processor	(DSP2 + DRAM × 7) × 6
49	DSP-3/6	Digital Sound Processor	(ADDER × 9) × 3
50	DSP-4/6	Digital Sound Processor	(ADDER × 2) × 2
51	DSP-5/6	Digital Sound Processor	(DSP2 + MOD) × 4
52	DSP-6/6	Digital Sound Processor	(DSP2 + MOD + DRAM × 7) × 2
53	DTB	Distributor	±15V/+5V/+12V F1 ~ F7
54	FPC	Front Panel Control	
55	FPE	Front Panel Encoder	
56	HP	Headphone	HP AMP × 2
57	IN1/2-1/5	Input	STEREO INSERT DIR2 PSC4 × 2

Page	Circuit Board		Description
58	IN1/2-2/5	Input	INSERT (LINE) DIR2 PSC4 × 6
59	IN1/2-3/5	Input	INSERT (TAPE) DIR2 PSC4 × 6
60	IN1/2-4/5	Input	INSERT (AUX) DIR2 PSC4 × 5
61	IN1/2-5/5	Input	BIT SHIFT YMB04 BIT SHIFT × 6
62	IN2/2-1/6	Input	AUX RTN/2TRK (Y2) DIR2 × 4
63	IN2/2-2/6	Input	2TRK (SONY) DIR2 PSC2 PSC4
64	IN2/2-3/6	Input	2TRK (AES) DIR2 × 3
65	IN2/2-4/6	Input	2TRK (SEL)
66	IN2/2-5/6	Input	CASCADE IN DIR2 PSC4 × 4
67	IN2/2-6/6	Input	CASCADE OUT PSC4 × 4
68	MBD-1/3	Mother Board	CN1 CN2
69	MBD-2/3	Mother Board	CN3 ~ CN12
70	MBD-3/3	Mother Board	CN13 ~ CN34
71	MDR	Motor Drive	Motor Driver × 10
72	NML	Nominal Level	
73	OUT1/2-1/8	Output	LINE DIR OUT PSC4 × 2 PSC2 × 2
74	OUT1/2-2/8	Output	TAPE DIR OUT PSC4 × 2 PSC2 × 2
75	OUT1/2-3/8	Output	AUX DIR OUT PSC4 × 2 PSC2 × 2
76	OUT1/2-4/8	Output	DIRECT OUT PSC4 × 12
77	OUT1/2-5/8	Output	LINE DIR OUT SEL LINE (Y1, Y2, SONY) SEL LINE 8 out
78	OUT1/2-6/8	Output	TAPE DIR OUT SEL TAPE (Y1, Y2, SONY) SEL TAPE 8 out
79	OUT1/2-7/8	Output	AUX DIR OUT SEL AUX (Y1, Y2, SONY) SEL AUX1 ~ 6
80	OUT1/2-8/8	Output	DIR OUT BS
81	OUT2/2-1/7	Output	AUX SEND HEADPHONE PSC4 × 6
82	OUT2/2-2/7	Output	STEREO OUT PSC4 PSC2 DIT2 × 2
83	OUT2/2-3/7	Output	MONITOR OUT PSC4 × 2 DIT2 × 1
84	OUT2/2-4/7	Output	PGM OUT (Y1, M, SONY) PSC4 × 2 PSC2 × 2
85	OUT2/2-5/7	Output	PGM OUT (Y2, AES) PSC4 × 4 DIT2 × 4
86	OUT2/2-6/7	Output	BIT SHIFT YMAB04 × 12
87	OUT2/2-7/7	Output	PGM OUT SEL PGM (Y1, Y2, SONY) I13 ~ 20
88	PM-1/2	Peak Meter	12 LED × 8 METER I
89	PM-2/2	Peak Meter	12 LED × 8 METER II AUX ST
90	PMD-1/2	Peak Meter Drive	8 bit CPU PMM2
91	PMD-2/2	Peak Meter Drive	PMM2 × 5
92	PMS	Peak Meter Stereo	32 LED × 2
93	PND-1/3	Panel Drive	8 bit CPU × 4
94	PND-2/3	Panel Drive	8 bit CPU × 4
95	PND-3/3	Panel Drive	8 bit CPU × 2
96	PNL-1/8	Panel (L)	8 × 8 LED 8 × 8 SW ASSIN
97	PNL-2/8	Panel (L)	8 × 8 LED 8 × 8 SW AUX ON 1 ~ 3 AUX SEL 1 ~ 3 ST/MONITOR EQ
98	PNL-3/8	Panel (L)	6 × 8 LED 6 × 8 SW MONITOR ON/MONITOR SOLO MONITOR SEL/EQ/SOLO/ON
99	PNL-4/8	Panel (L)	LED SW RETERN AUX PAN
100	PNL-5/8	Panel (L)	8 × 8 LED 8 × 8 SW MON TO BUS/AUX PRE/AUX MON/ BUS TO MON/FLIP/PAN BUS/PAN MON/PAN SEND3
101	PNL-6/8	Panel (L)	RE LED × 8 CH1 ~ 8 AUX LEVEL
102	PNL-7/8	Panel (L)	RE LED × 8 CH1 ~ 8 MONITER LEVEL
103	PNL-8/8	Panel (L)	RE LED × 8 CH1 ~ 8 PAN/AUX LEVEL
104	PNR-1/3	Panel (R)	LED & SW (SW with LED)
105	PNR-2/3	Panel (R)	RE LED × 8 EQ
106	PNR-3/3	Panel (R)	RE LED × 7 EQ
107	REL-1/2	Rotaly Encoder (L)	RE COUNTER RE × 8
108	REL-2/2	Rotaly Encoder (L)	RE COUNTER × 4 RE × 9
109	RER-1/2	Rotaly Encoder (R)	RE × 15
110	RER-2/2	Rotaly Encoder (R)	TB MICROPHONE AMP/LEVEL VOL.
111	SEG	Segment	7SEG LED × 10
112	POWER SUPPLY UNIT		

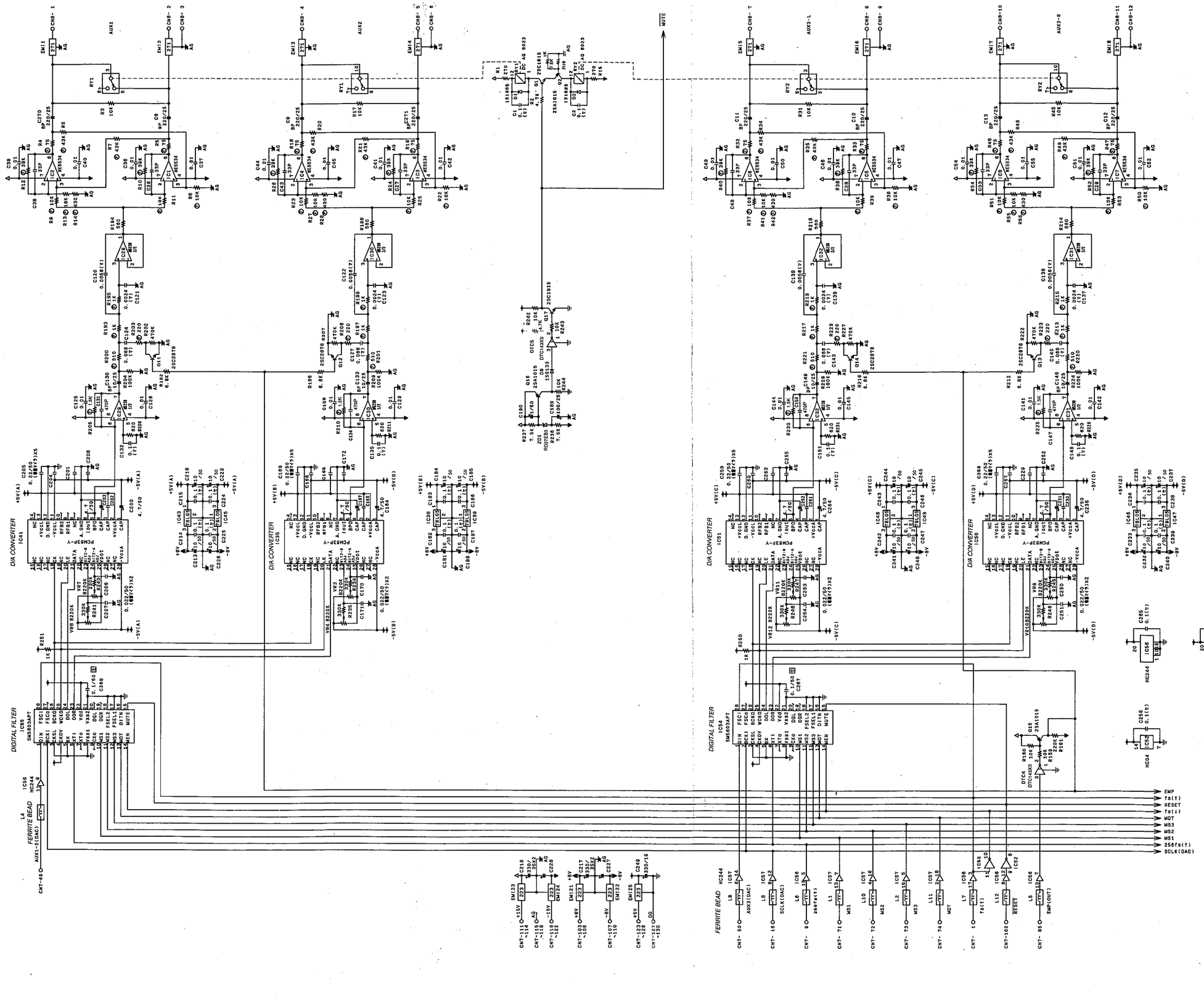
■ANA 1/2 CIRCUIT DIAGRAM 1/3 (Version B)

■ANA 1/2 CIRCUIT DIAGRAM 2/3 (Version B)

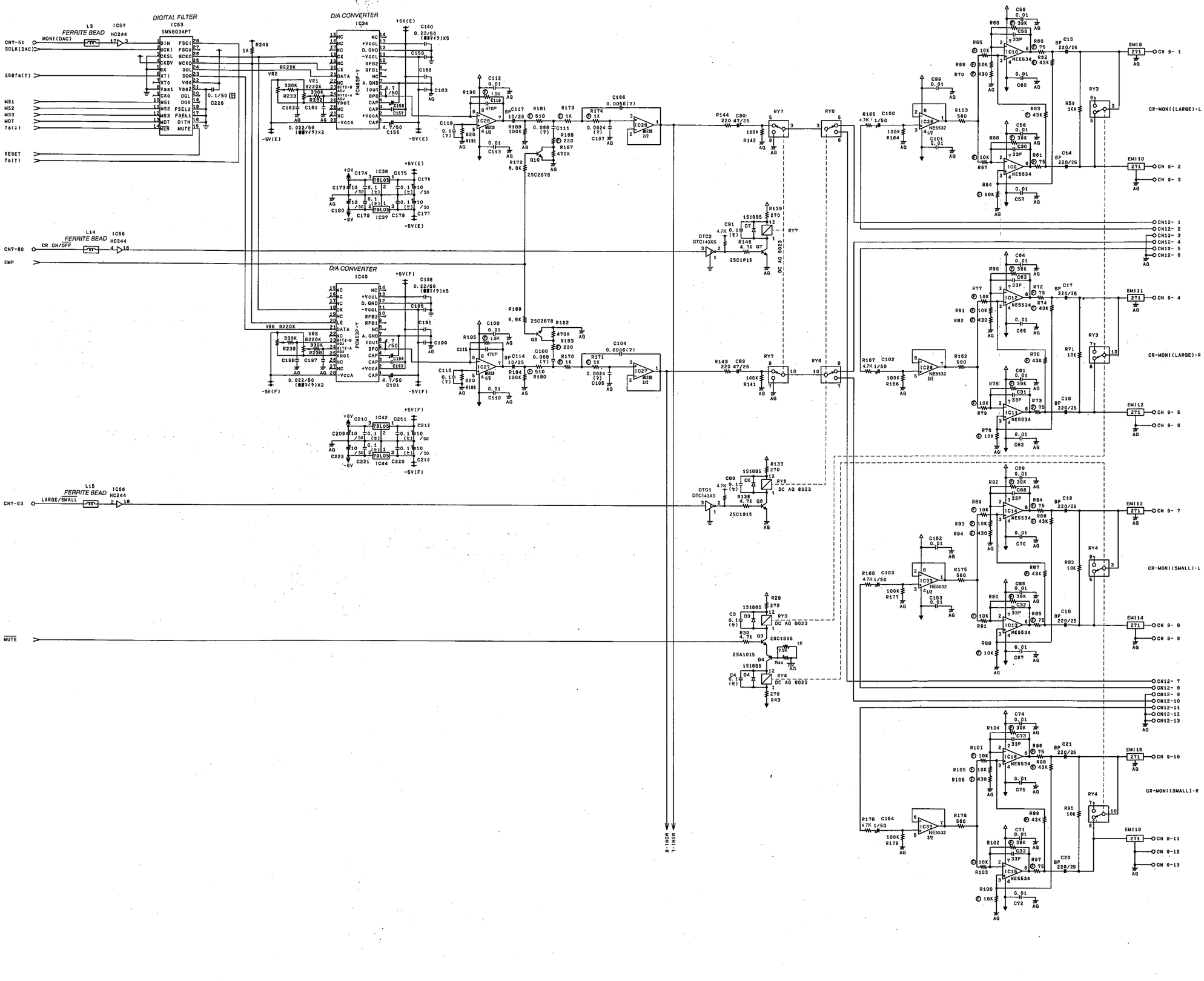
■ANA 1/2 CIRCUIT DIAGRAM 3/3 (Version B)



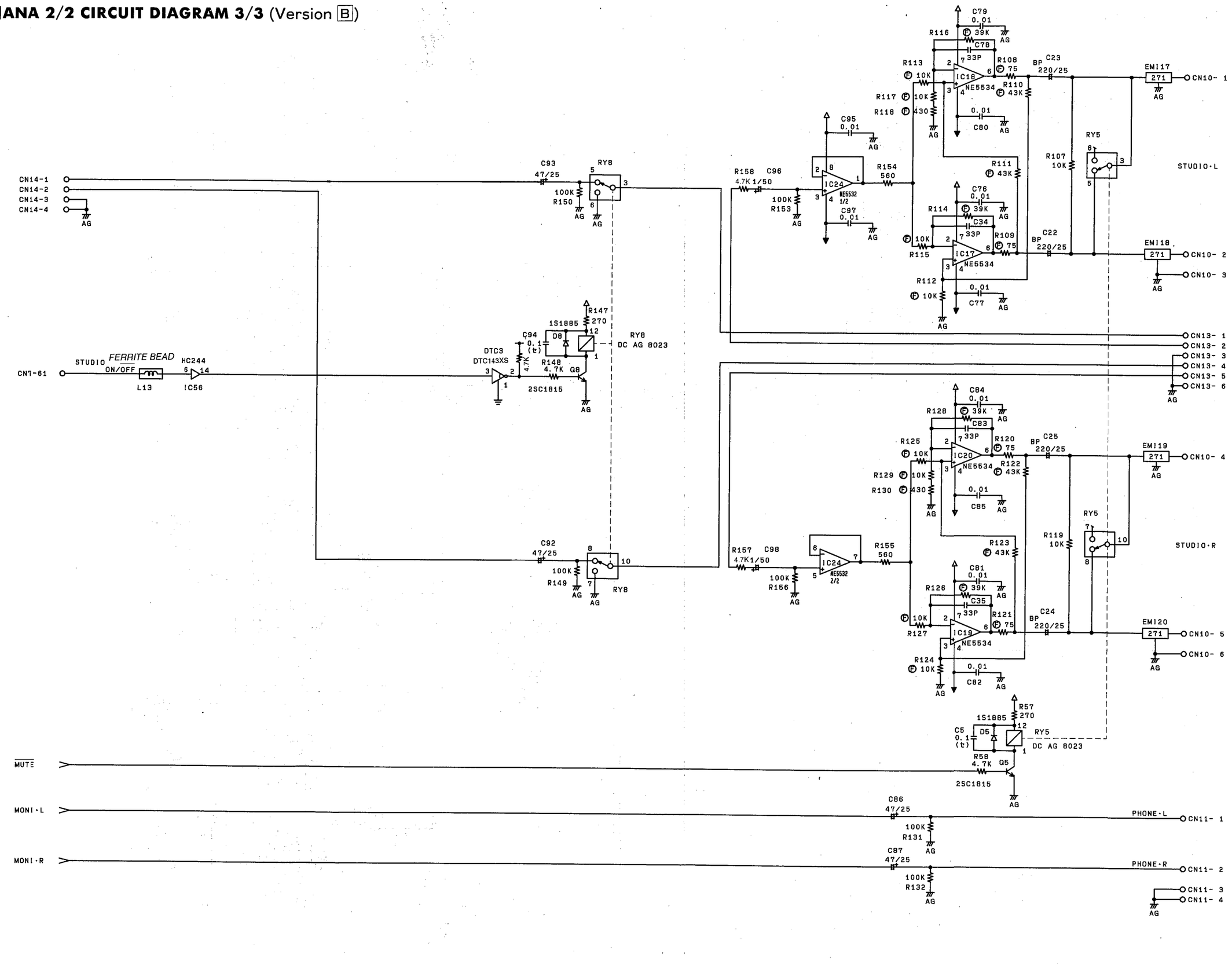
■ANA 2/2 CIRCUIT DIAGRAM 1/3 (Version B)



■ANA 2/2 CIRCUIT DIAGRAM 2/3 (Version B)



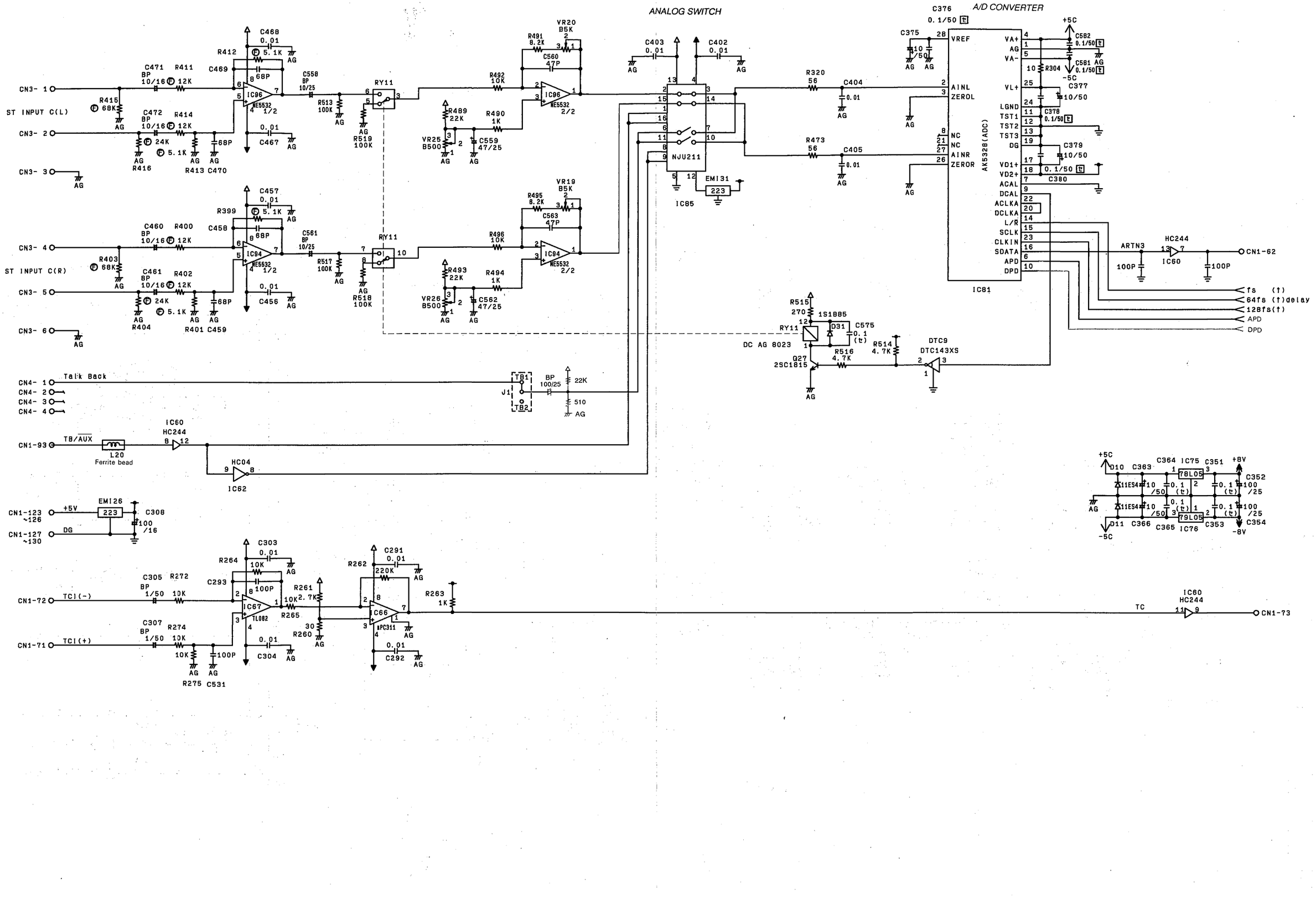
■ANA 2/2 CIRCUIT DIAGRAM 3/3 (Version B)



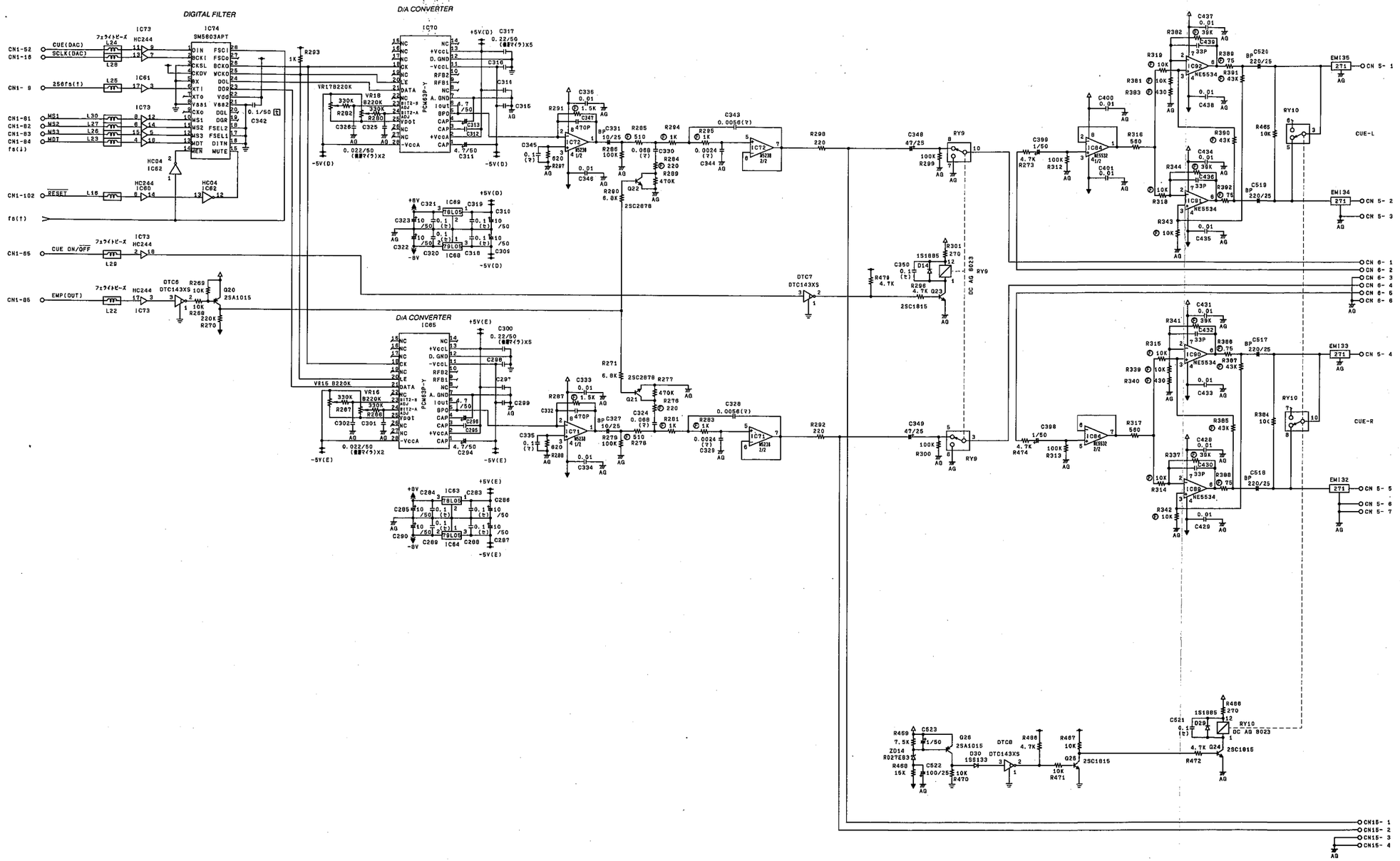
■ANA 1/2 CIRCUIT DIAGRAM 1/3 (Version C)

• Bypass capacitors
IC 60, 61, 62, 106

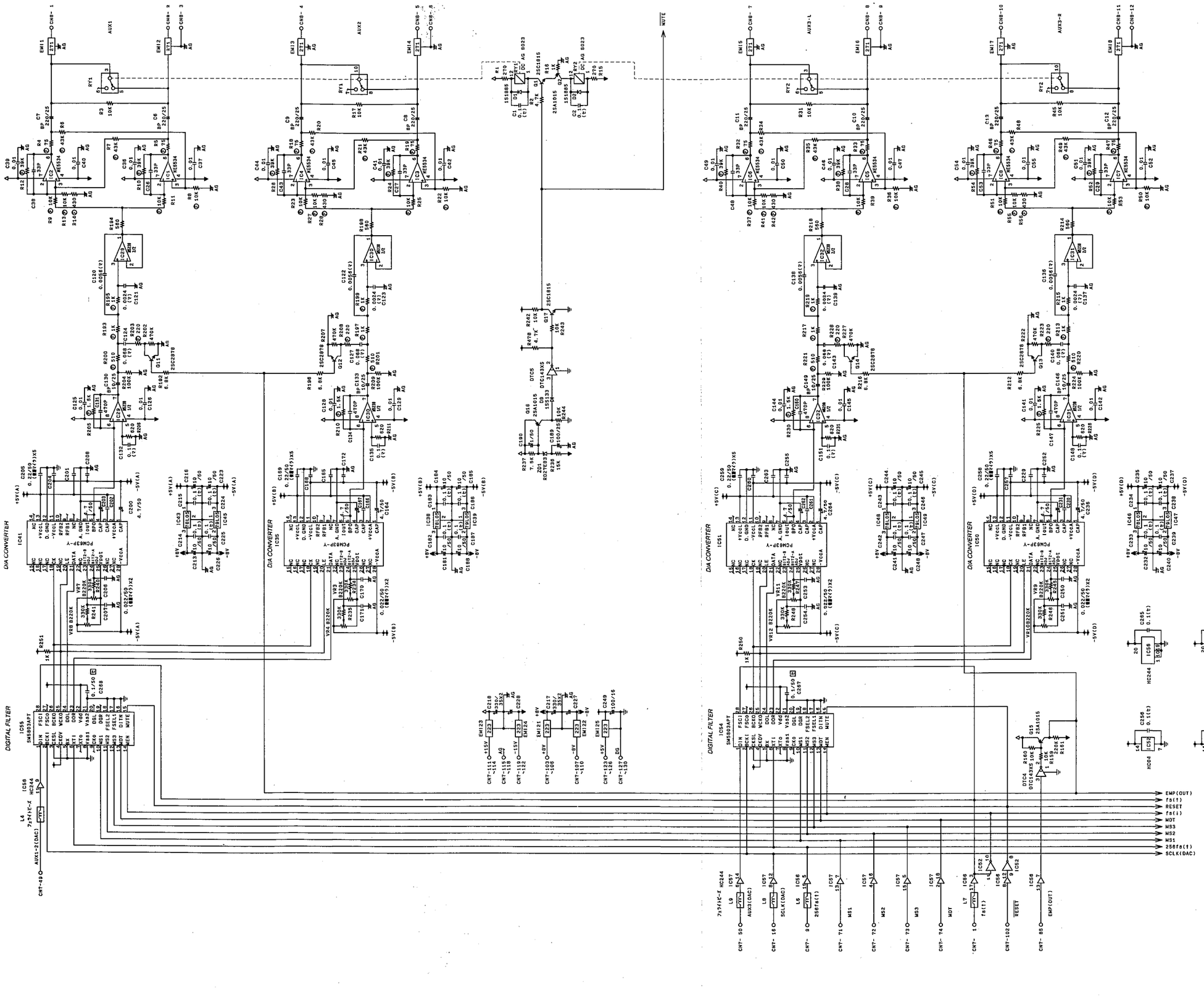
■ANA 1/2 CIRCUIT DIAGRAM 2/3 (Version C)



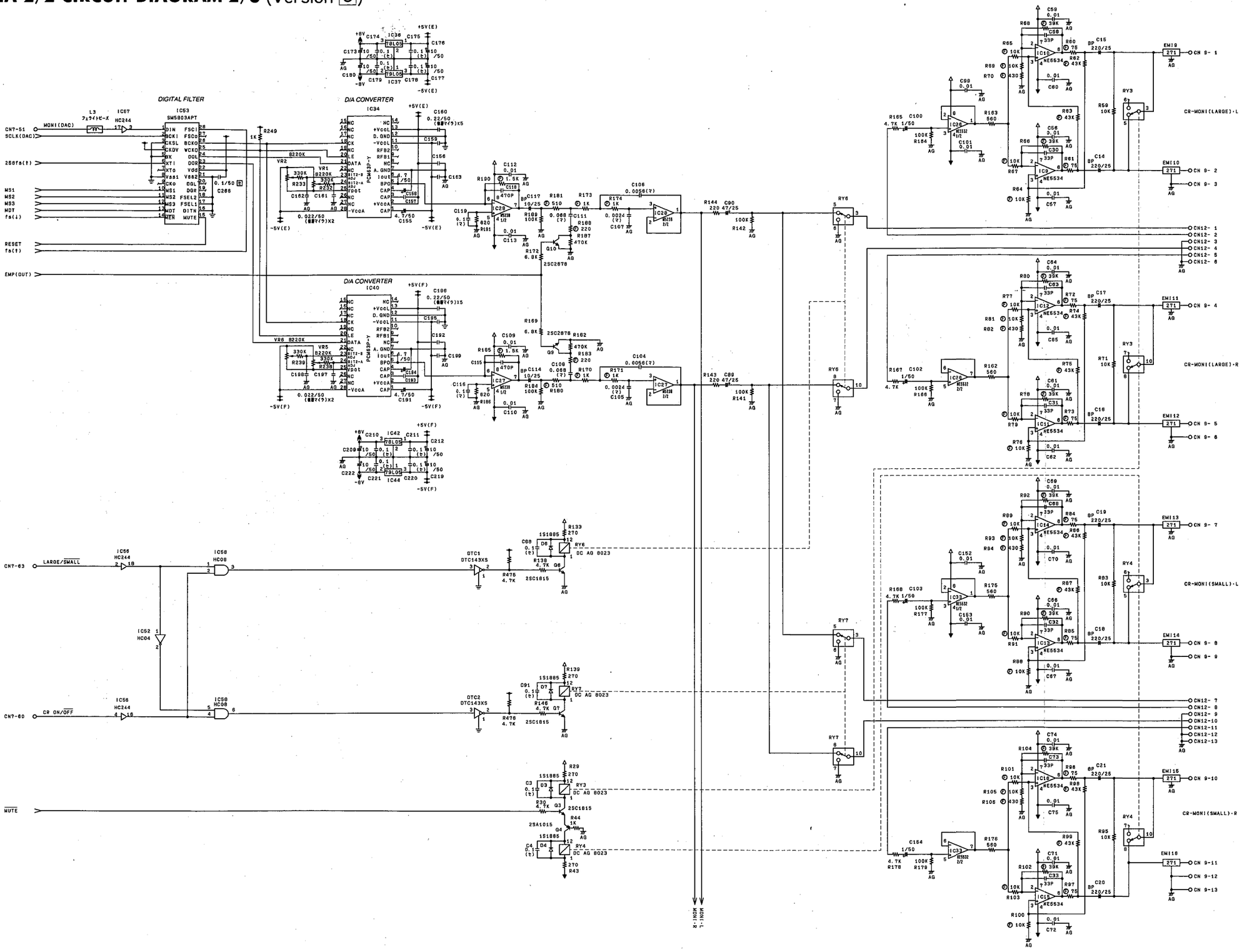
■ANA 1/2 CIRCUIT DIAGRAM 3/3 (Version C)



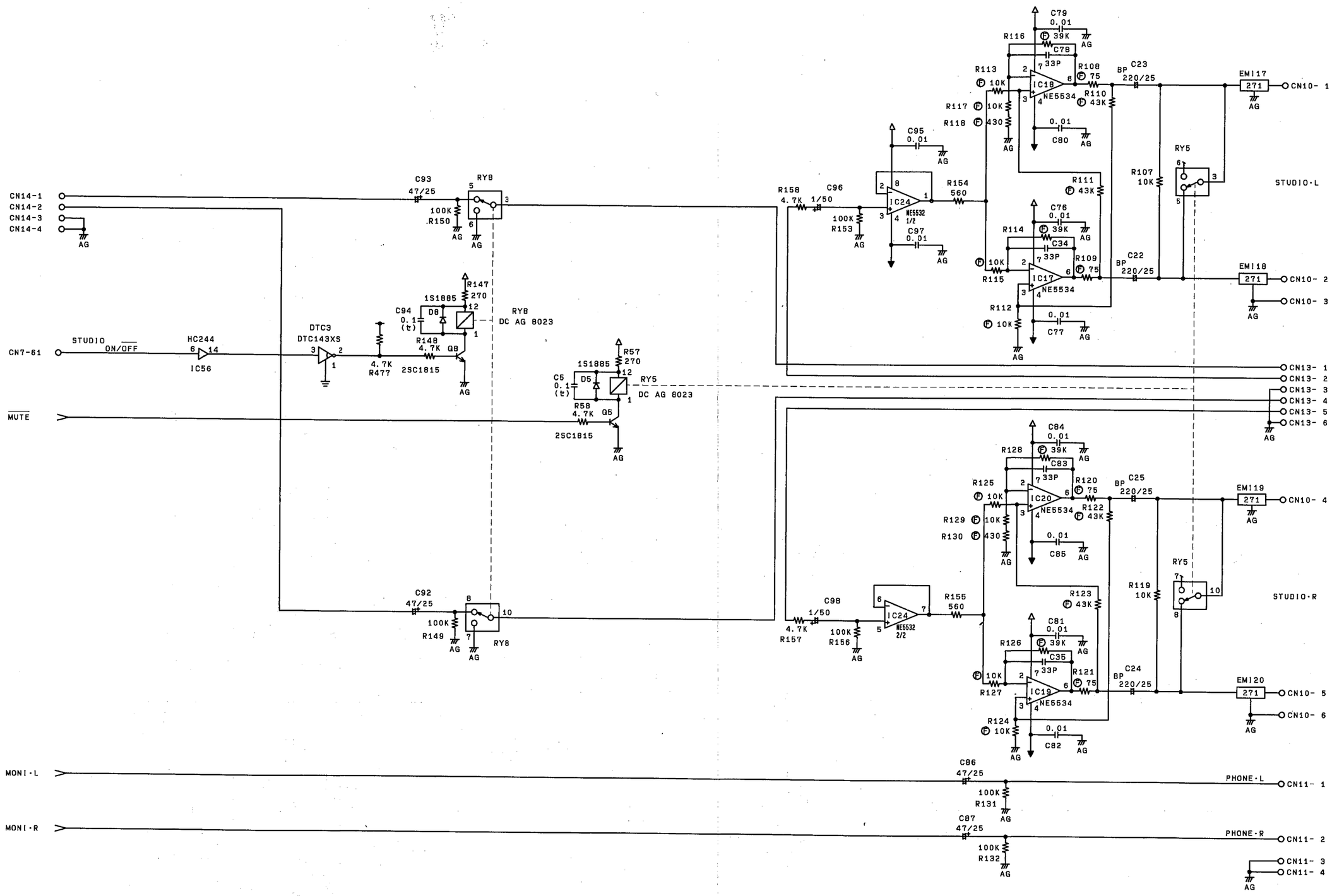
■ANA 2/2 CIRCUIT DIAGRAM 1/3 (Version C)



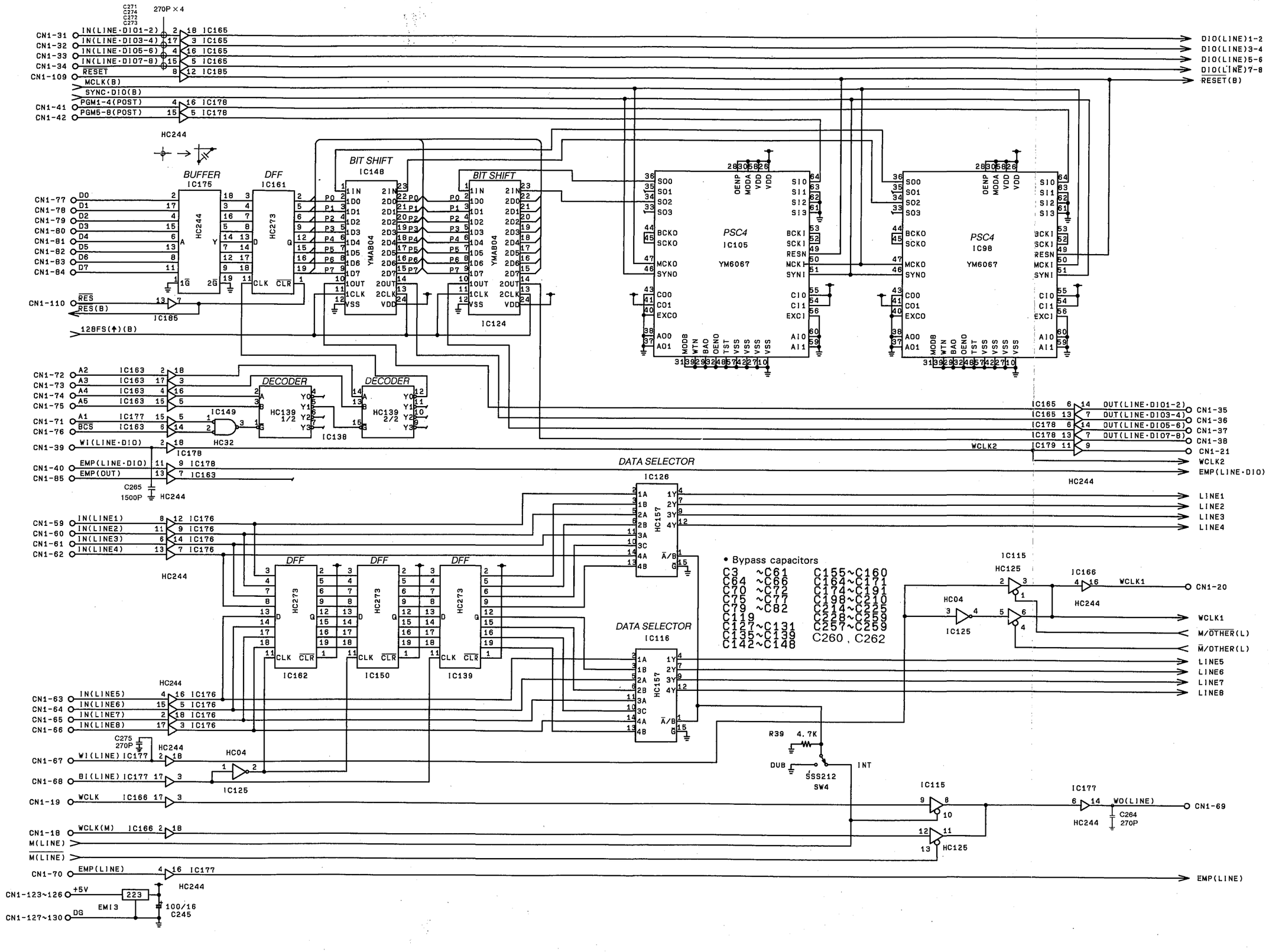
■ANA 2/2 CIRCUIT DIAGRAM 2/3 (Version C)



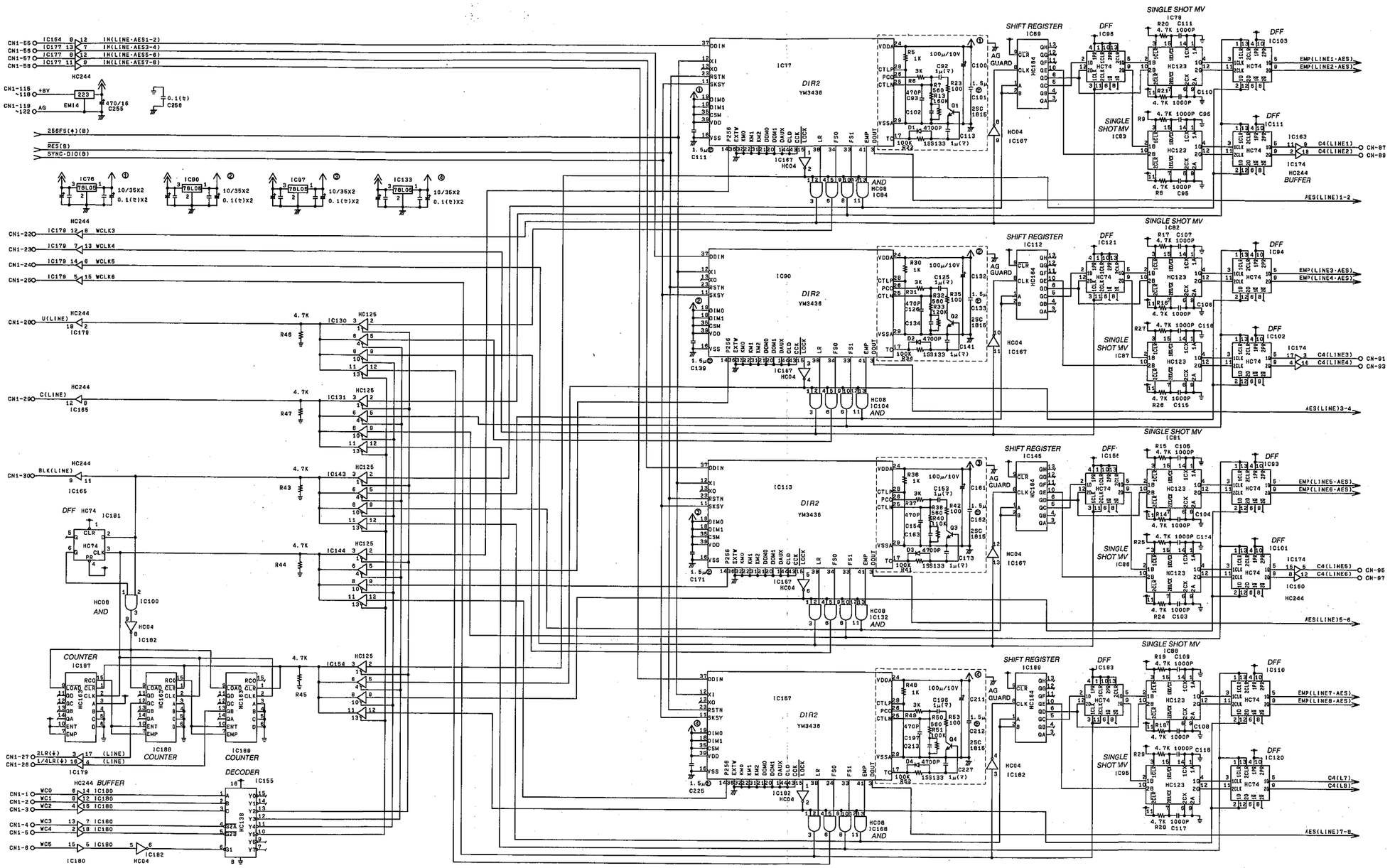
■ANA 2/2 CIRCUIT DIAGRAM 3/3 (Version C)



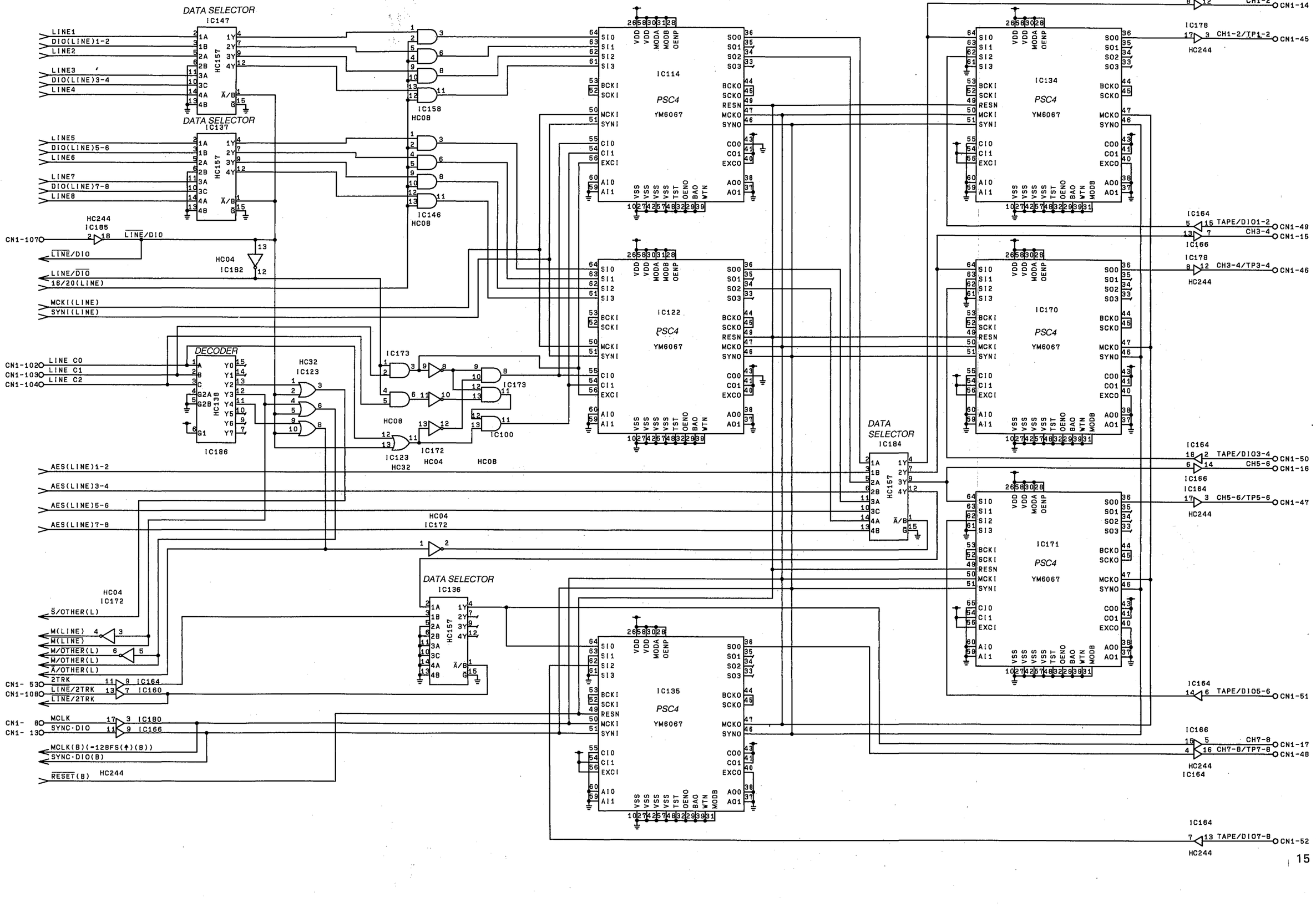
■CIN 1/2 CIRCUIT DIAGRAM 1/4 (LINE IN)



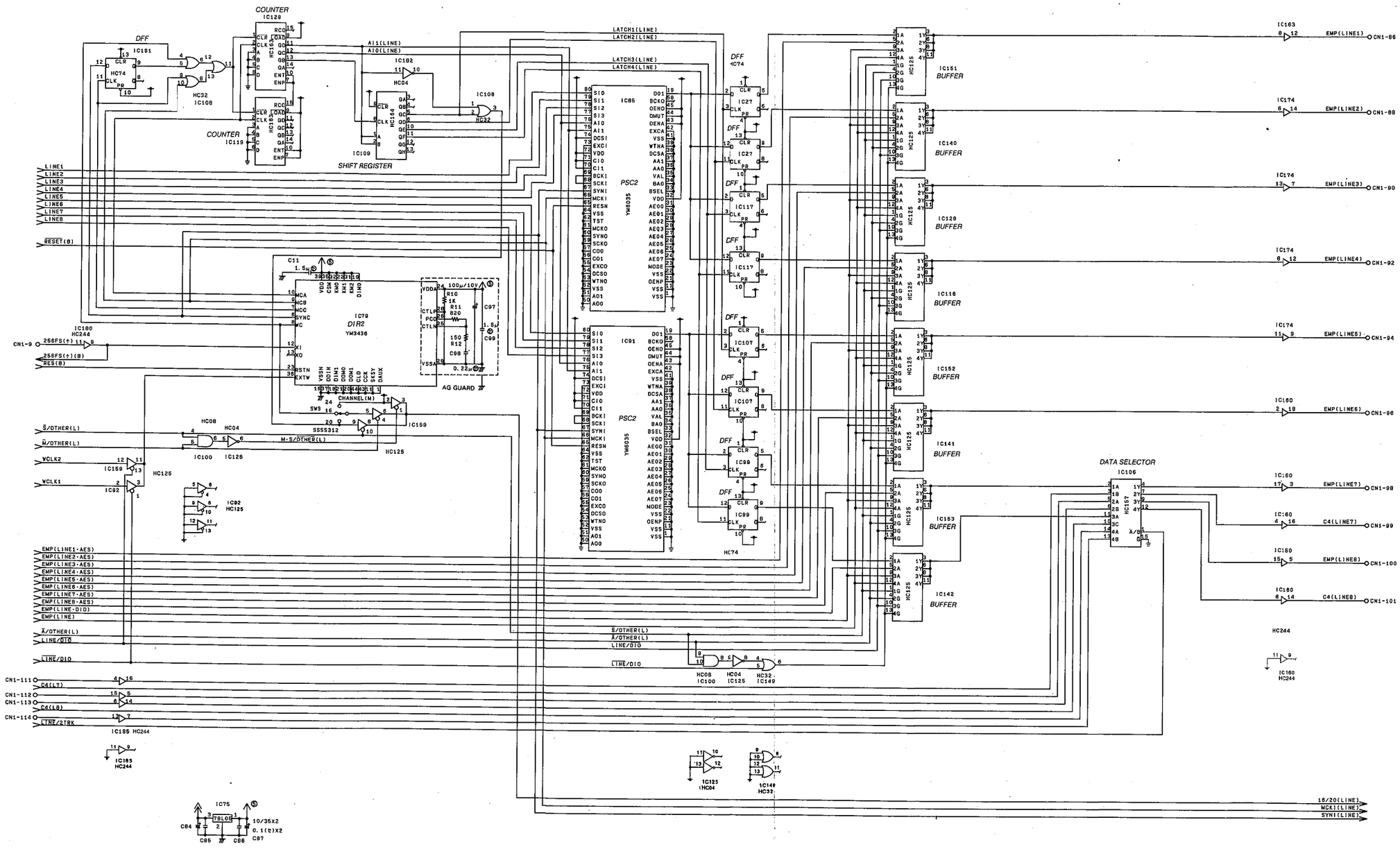
■CIN 1/2 CIRCUIT DIAGRAM 2/4 (LINE IN (AES))



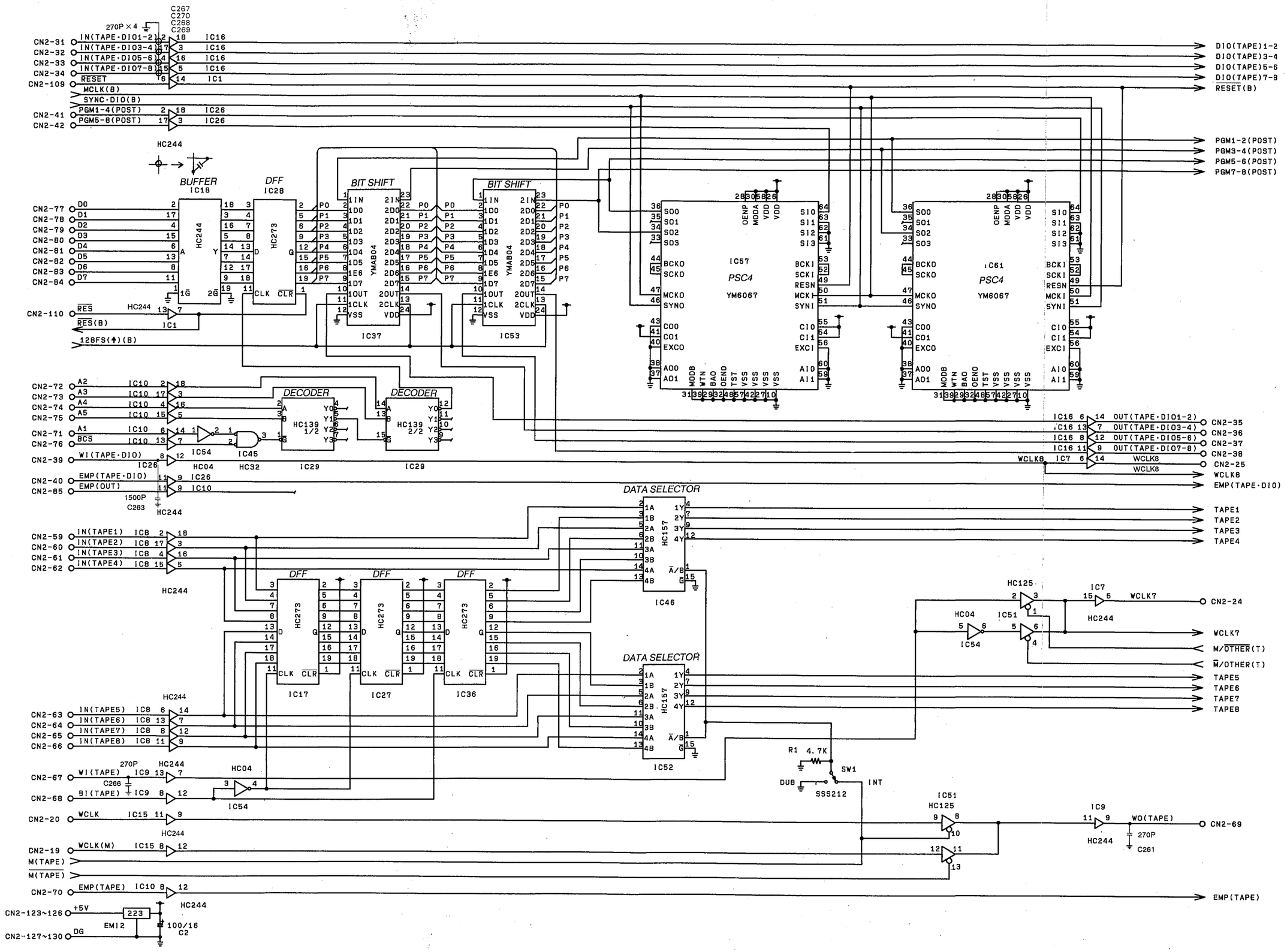
■CIN 1/2 CIRCUIT DIAGRAM 3/4 (LINE/TAPE MIX)



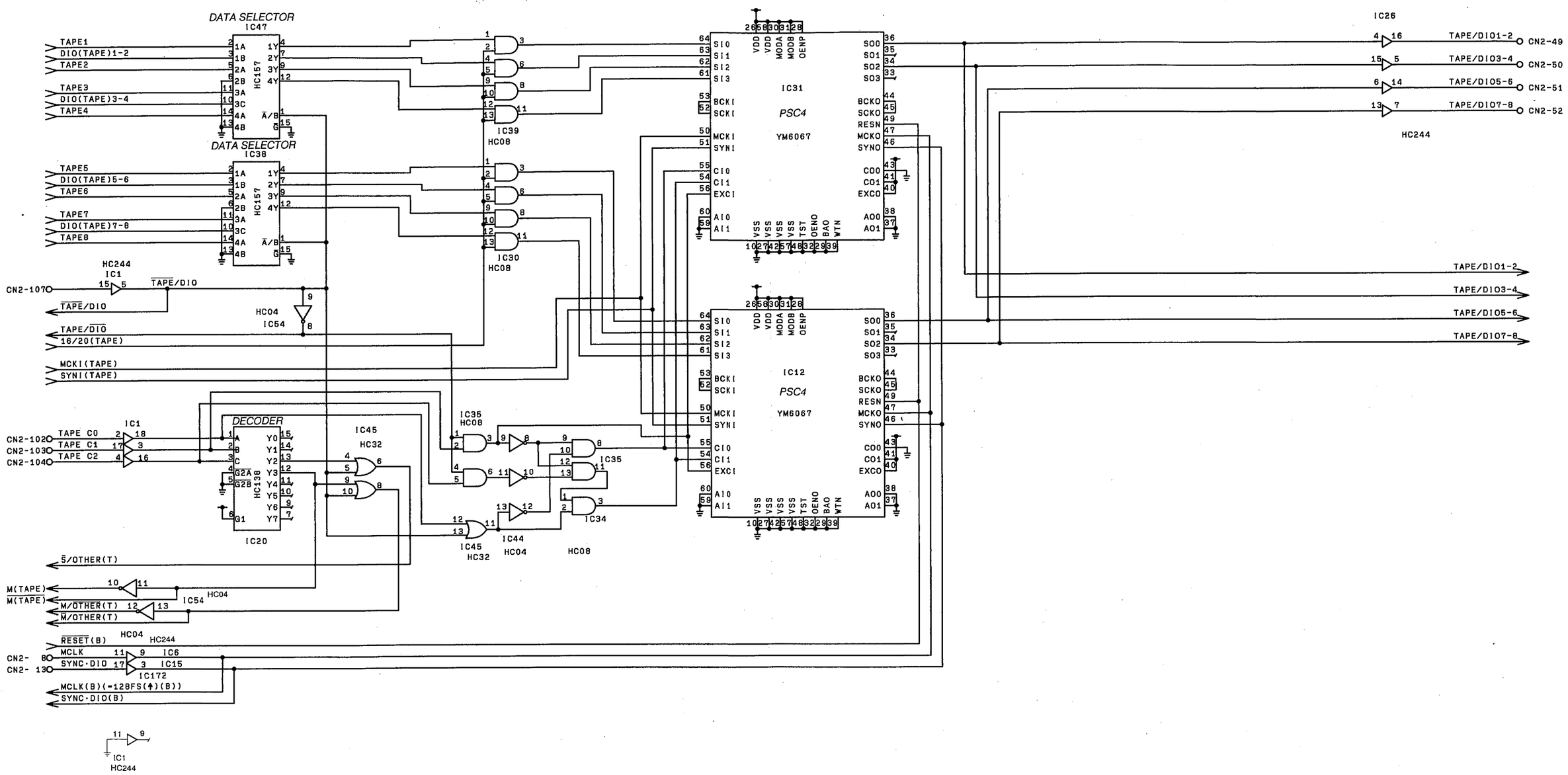
■CIN 1/2 CIRCUIT DIAGRAM 4/4 (LINE IN (EMP))



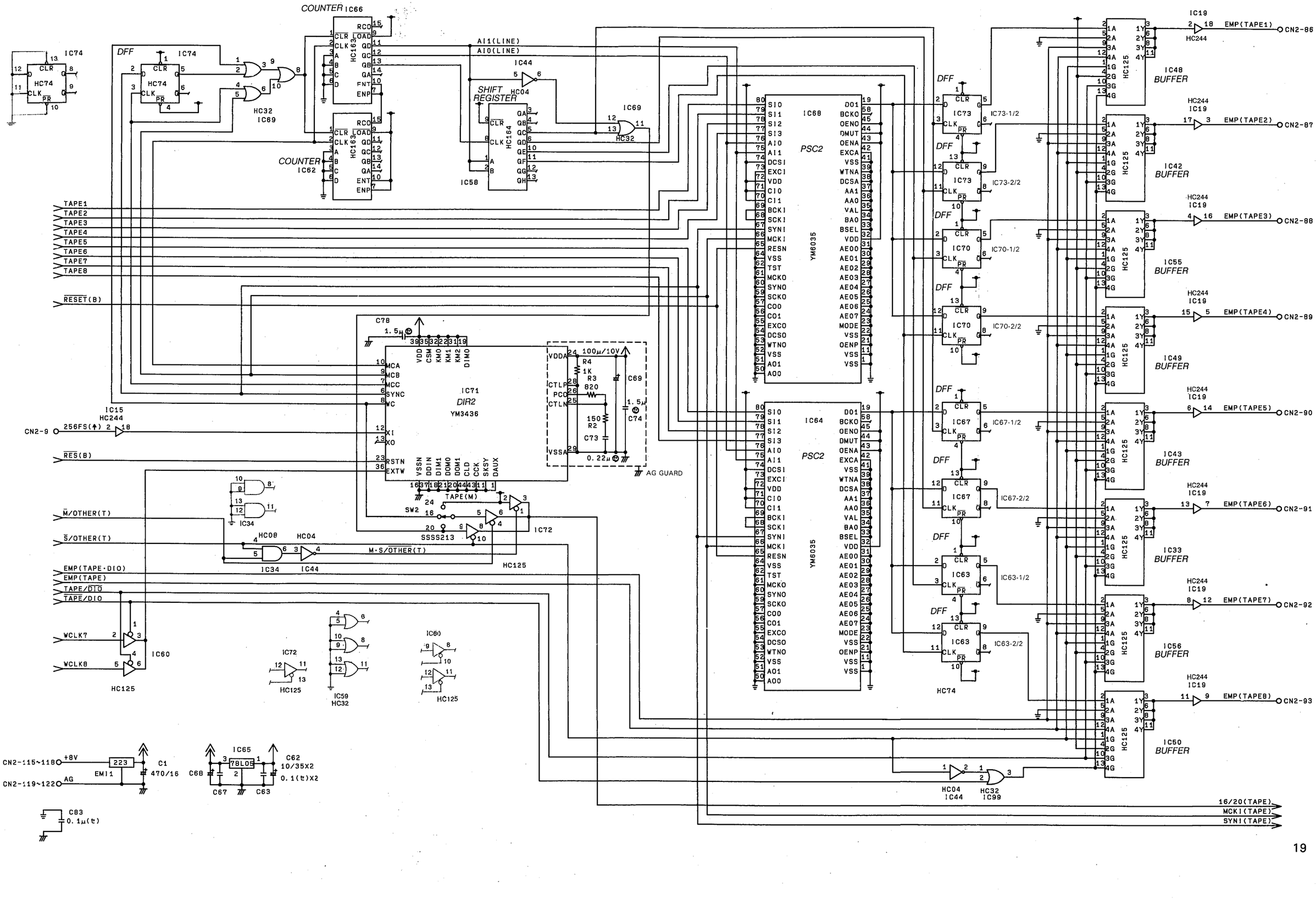
■CIN 2/2 CIRCUIT DIAGRAM 1/5 (TAPE IN)



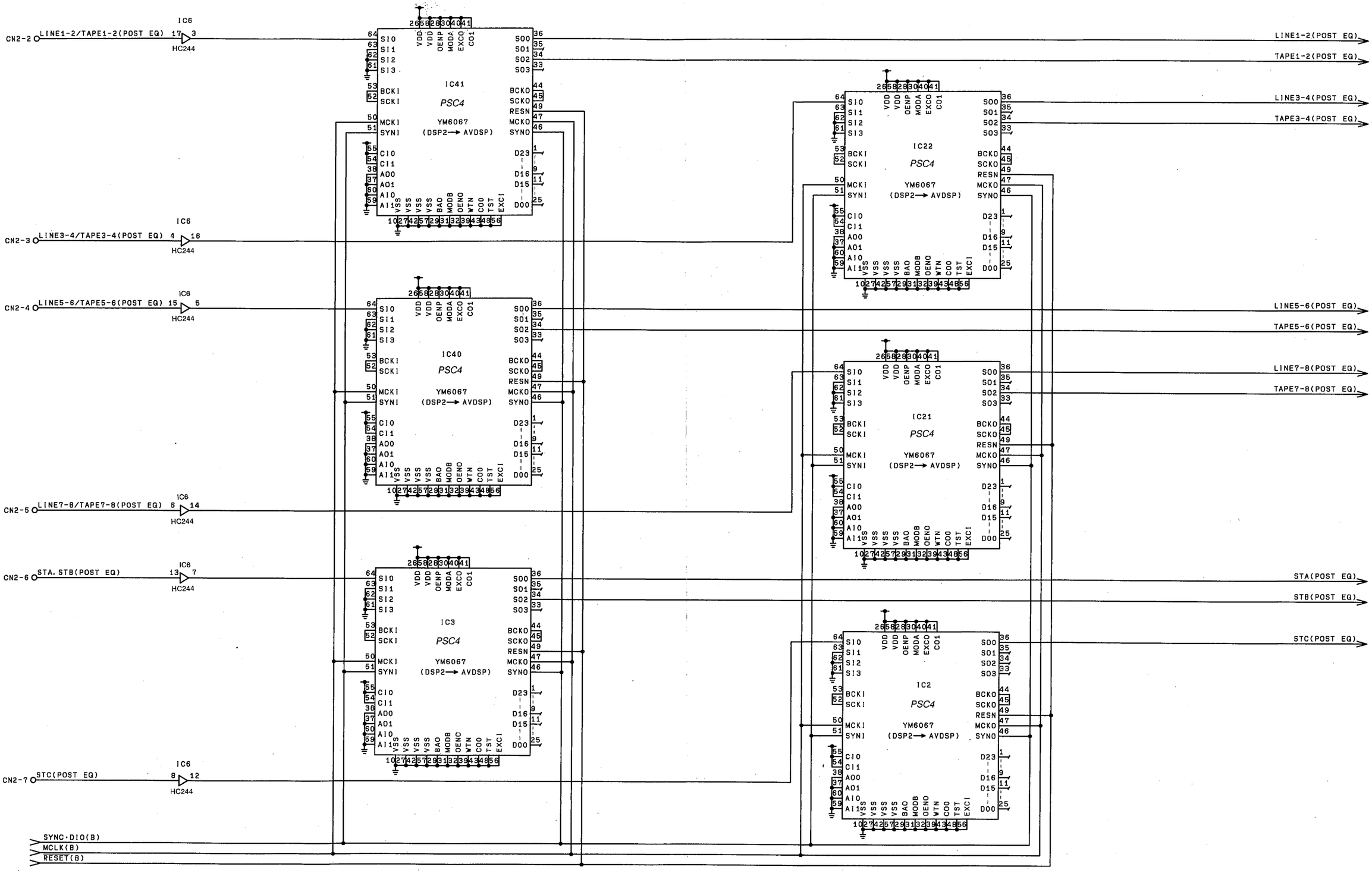
■CIN 2/2 CIRCUIT DIAGRAM 2/5 (TAPE MIX)



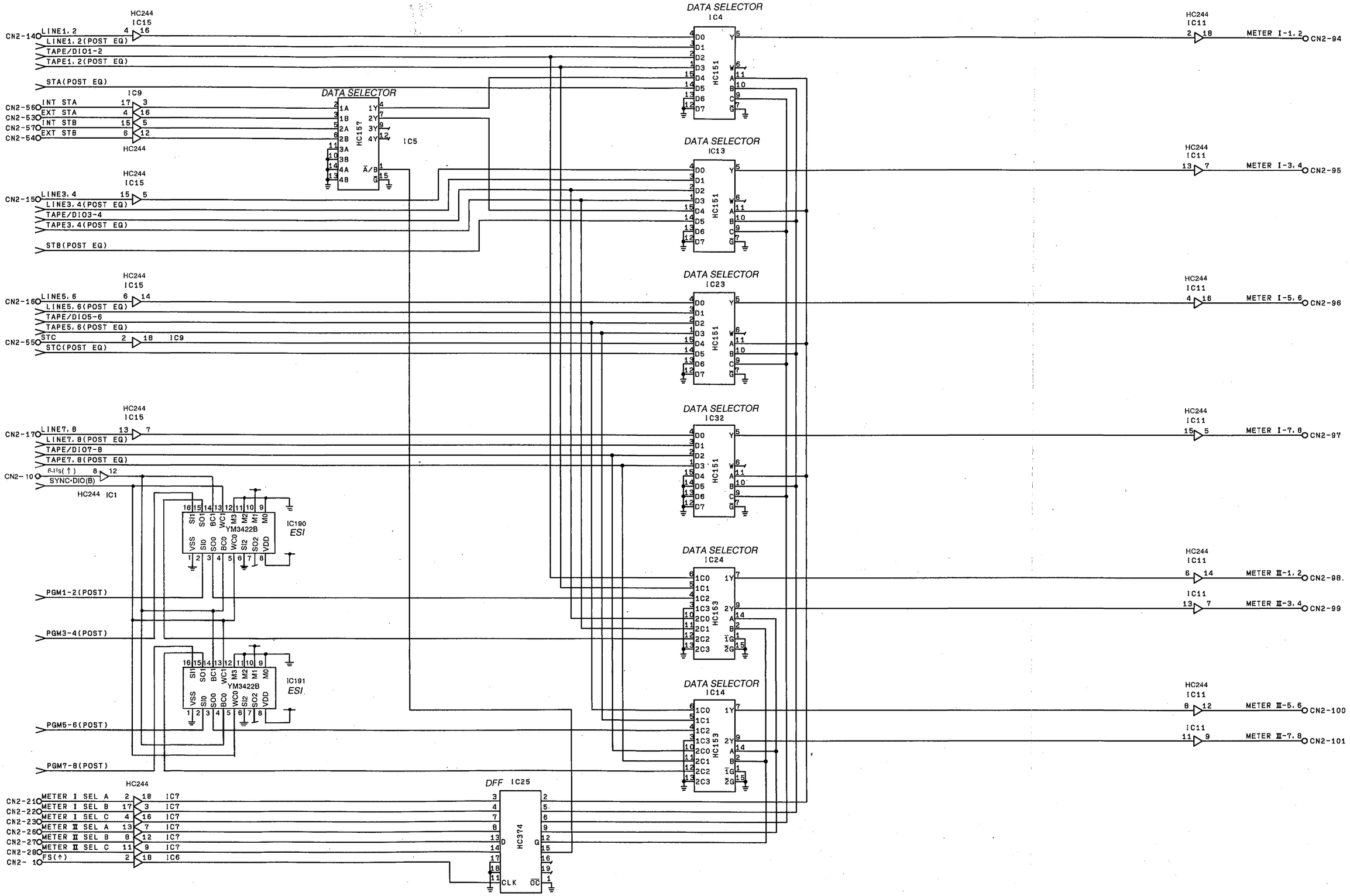
■CIN 2/2 CIRCUIT DIAGRAM 3/5 (TAPE IN (EMP))



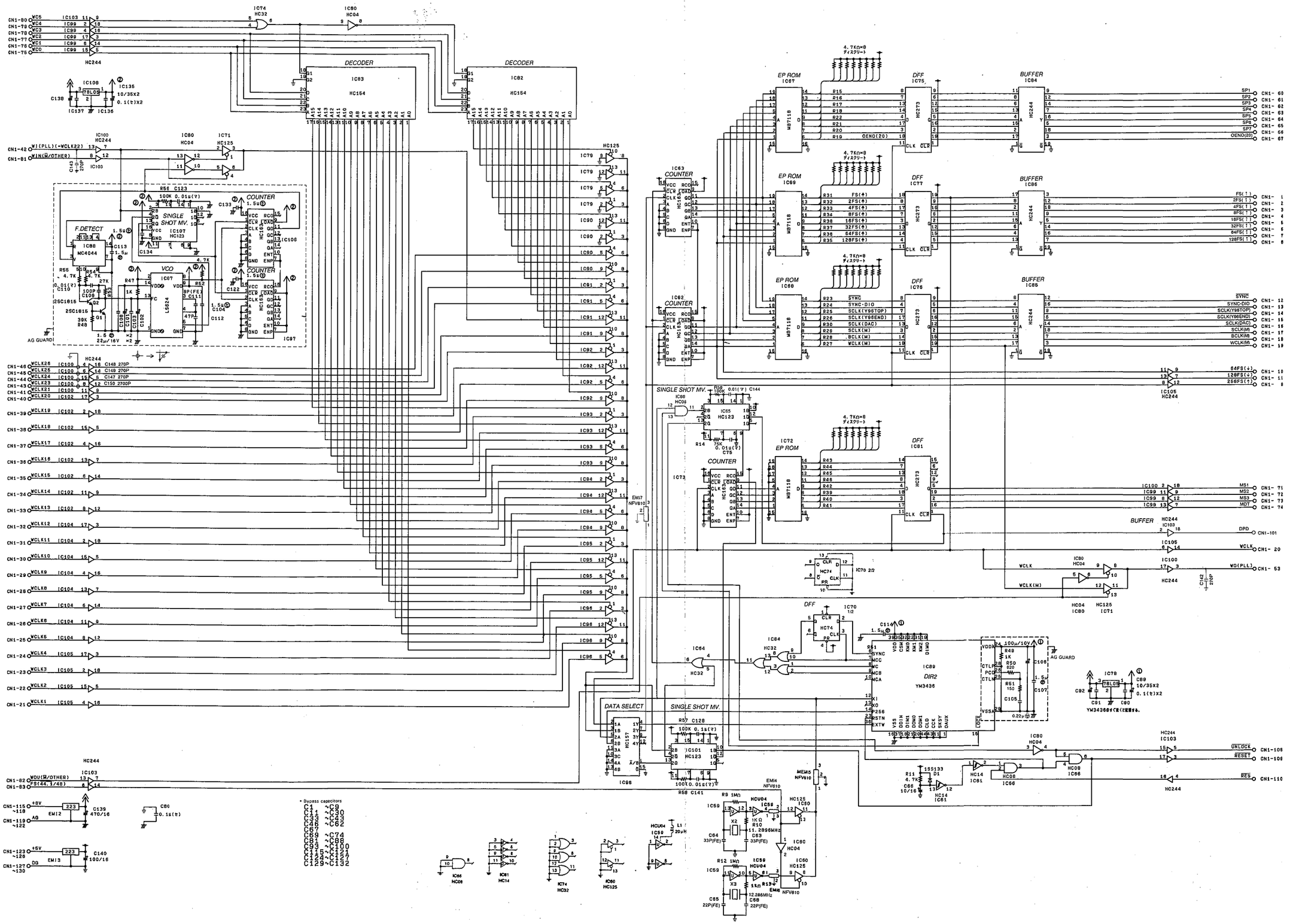
■CIN 2/2 CIRCUIT DIAGRAM 4/5 (METER 1)



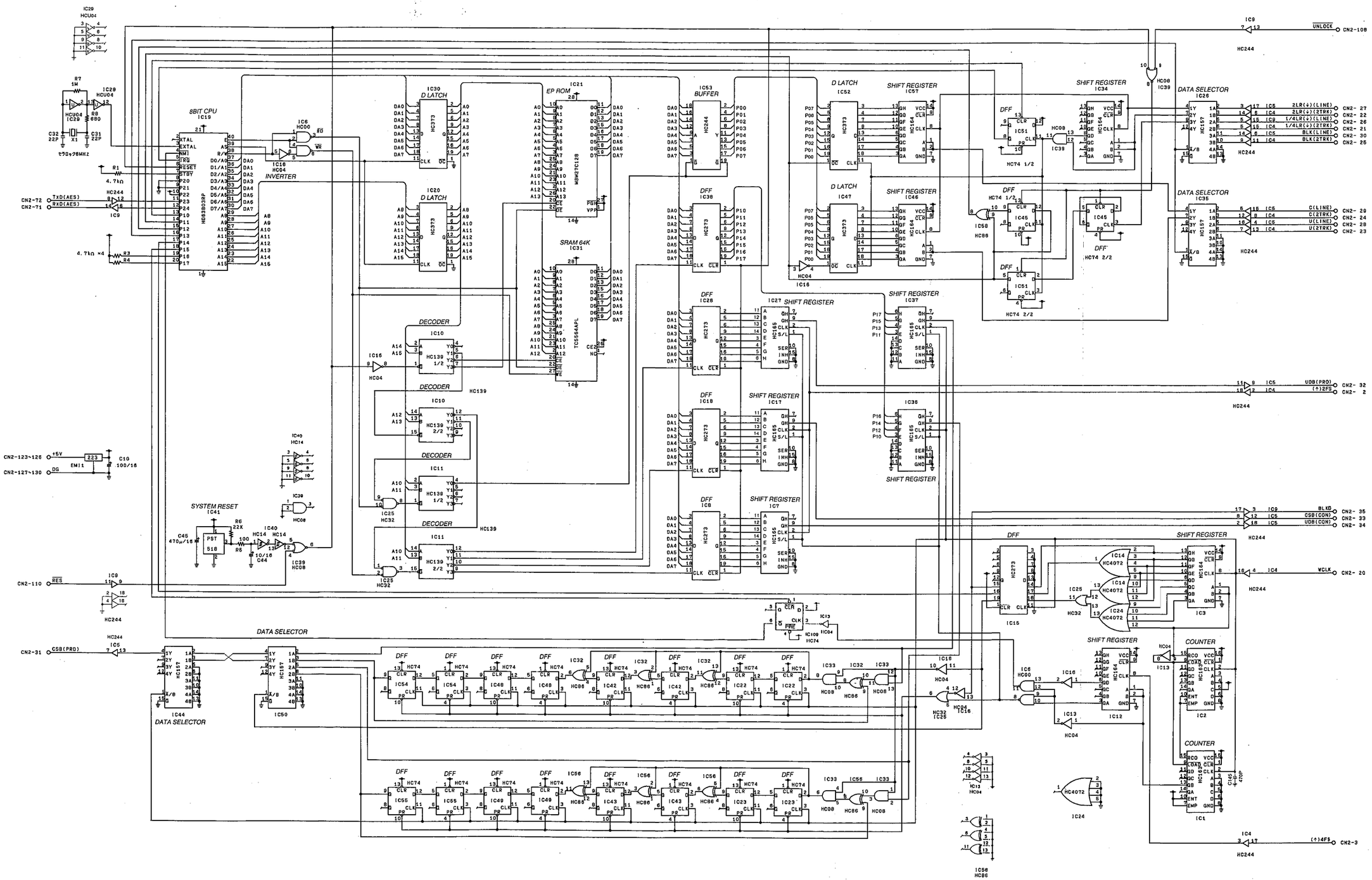
■CIN 2/2 CIRCUIT DIAGRAM 5/5 (METER 2)



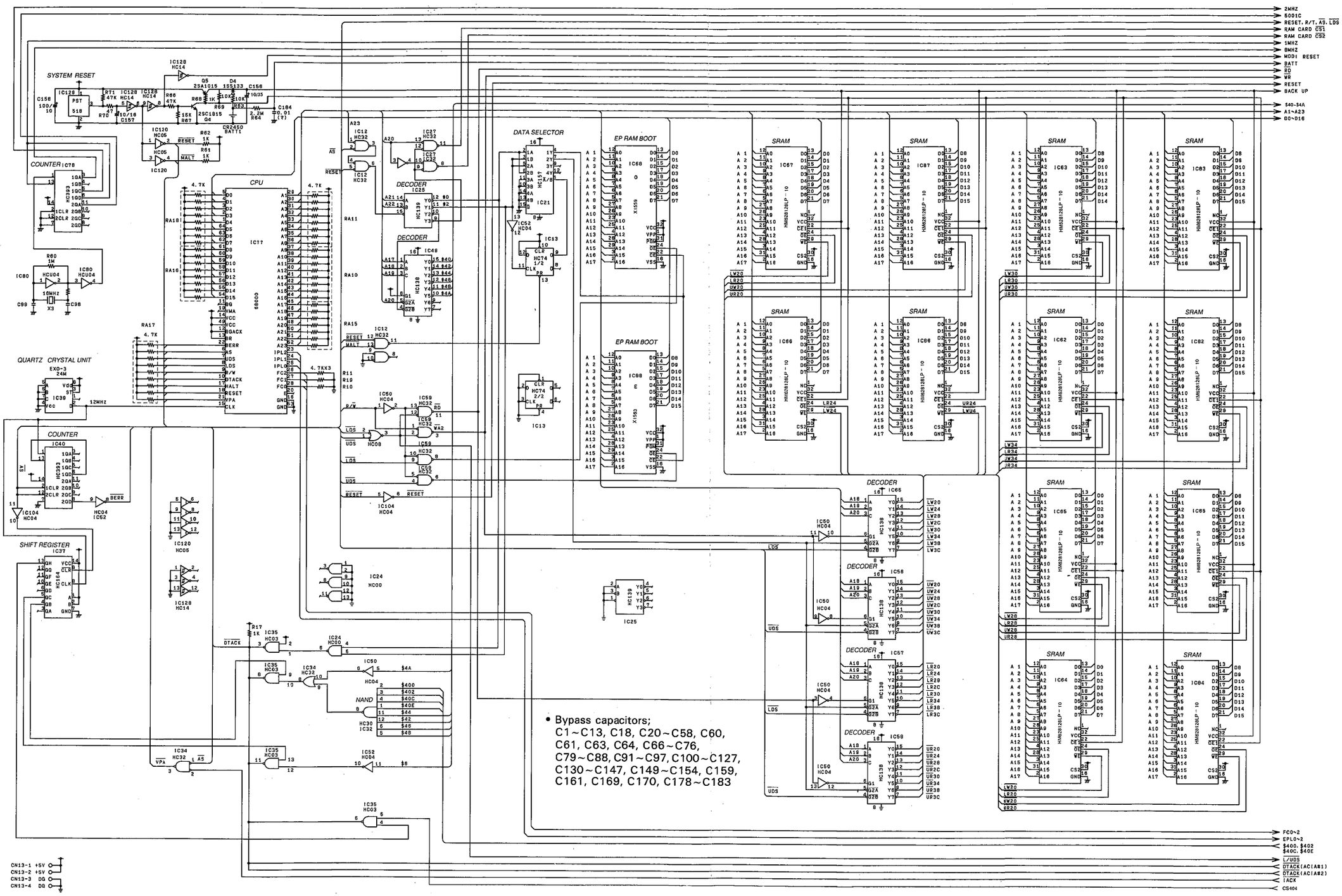
■CLK 1/2 CIRCUIT DIAGRAM (MASTER PLL)


DECODER
IC83 HC154
DECODER
IC82 HC154
EP ROM
IC67 M37118
DFF
IC75 HC273
BUFFER
IC84 HC244
EP ROM
IC69 M37118
DFF
IC77 HC273
BUFFER
IC86 HC244
EP ROM
IC68 M37118
DFF
IC76 HC273
BUFFER
IC85 HC244
COUNTER
IC63 HC161
COUNTER
IC62 HC161
SINGLE SHOT MV.
IC66 HC08
IC65 HC123
COUNTER
IC73 HC161
EP ROM
IC72 M37118
DFF
IC81 HC273
F.DETECT
IC88 MC4044
SINGLE SHOT MV.
IC107 HC123
VCO
IC87 L6524
COUNTER
IC106 HC161
COUNTER
IC97 HC161
DATA SELECT
IC96 HC157
SINGLE SHOT MV.
IC101 HC123
DIR2
IC89 YM3436
DFF
IC70 1/2 HC74
IC64 HC32
IC84 HC32
IC78 78L05
IC79 HC125
IC90 HC125
IC91 HC125
IC92 HC125
IC93 HC125
IC94 HC125
IC95 HC125
IC96 HC125
IC98 HC125
IC99 HC125
IC80 HC04
IC71 HC125
IC100 HC244
IC103 HC244
IC102 HC244
IC104 HC244
IC105 HC244
IC135 78L05
IC137
IC136
IC139
IC141
IC142
IC143
IC144
IC145
IC146
IC147
IC148
IC149
IC150
IC151
IC152
IC153
IC154
IC155
IC156
IC157
IC158
IC159
IC160
IC161
IC162
IC163
IC164
IC165
IC166
IC167
IC168
IC169
IC170
IC171
IC172
IC173
IC174
IC175
IC176
IC177
IC178
IC179
IC180

■CLK 2/2 CIRCUIT DIAGRAM (AES/EBU)

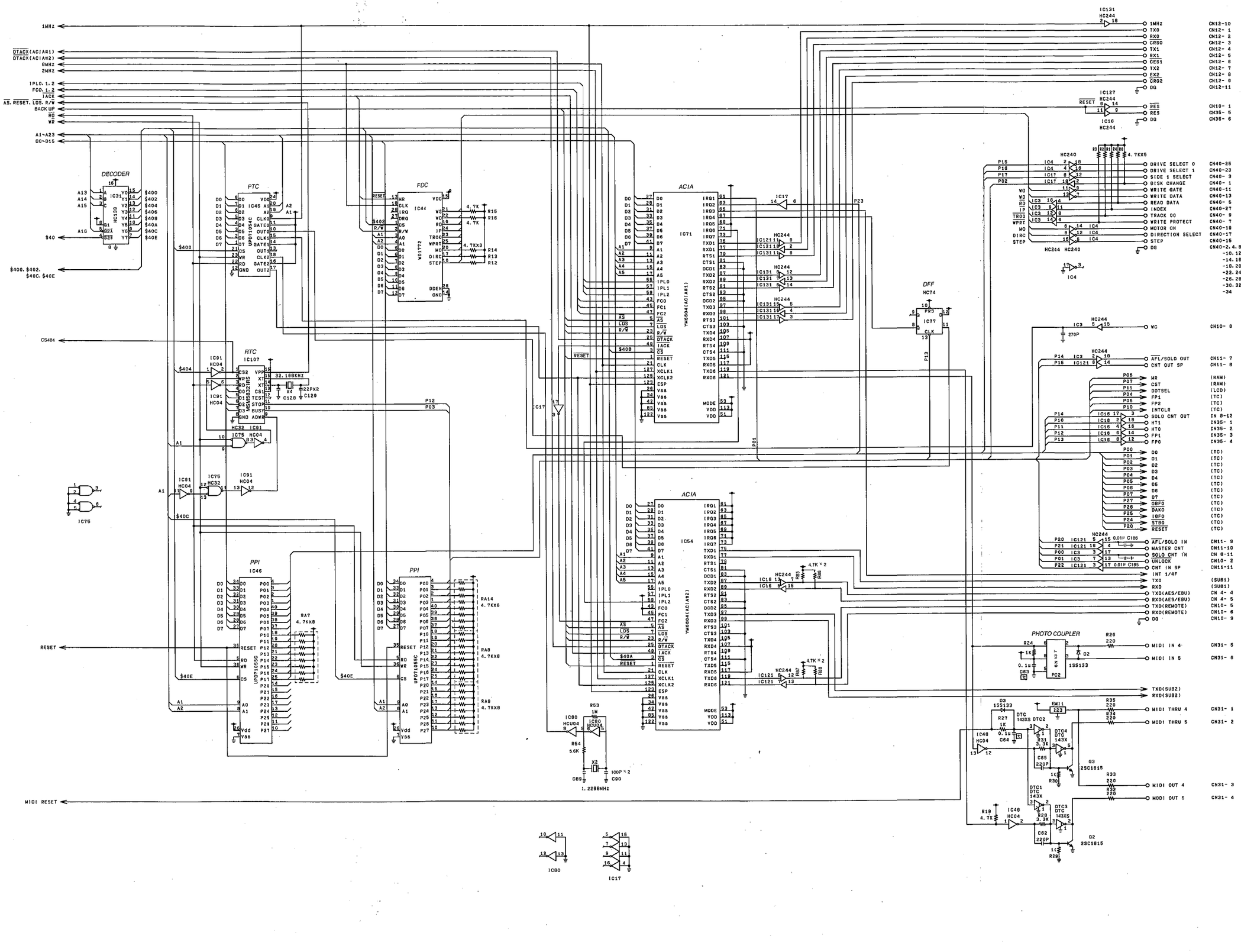

8BIT CPU
IC19
HD6303CP
EP ROM
IC21
M5M27C128
SRAM 64K
IC31
TC5564APL
D LATCH
IC30
IC20
HC373
BUFFER
IC53
HC244
INVERTER
IC16
HC04
DECODER
IC10
HC139 1/2
HC139 2/2
IC11
IC25
HC32
DFF
HC74 1/2
HC74 2/2
SHIFT REGISTER
IC57
IC34
IC46
IC37
IC27
IC17
IC7
IC36
HC165
HC164
DATA SELECTOR
IC26
IC35
IC44
IC50
HC157
SYSTEM RESET
IC41
PST 518
IC40
HC14
IC39
HC08
IC9
HC244
IC5
IC4
IC3
IC2
IC1
IC12
IC24
IC15
IC18
IC6
HC00
IC16
IC13
HC04
IC32
HC86
IC33
HC08
IC56
IC55
IC49
IC43
IC23
IC54
IC48
IC42
IC22
IC58
IC45
IC51
IC39
IC08
IC09
IC26
IC38
IC47
IC52
IC18
IC8
IC17
IC7
IC36
IC37
IC46
IC57
IC34
IC26
IC35
IC44
IC50
IC41
IC40
IC39
IC9
IC5
IC4
IC3
IC2
IC1
IC12
IC24
IC15
IC18
IC6
IC16
IC13
IC32
IC33

■CPU CIRCUIT DIAGRAM 1/7

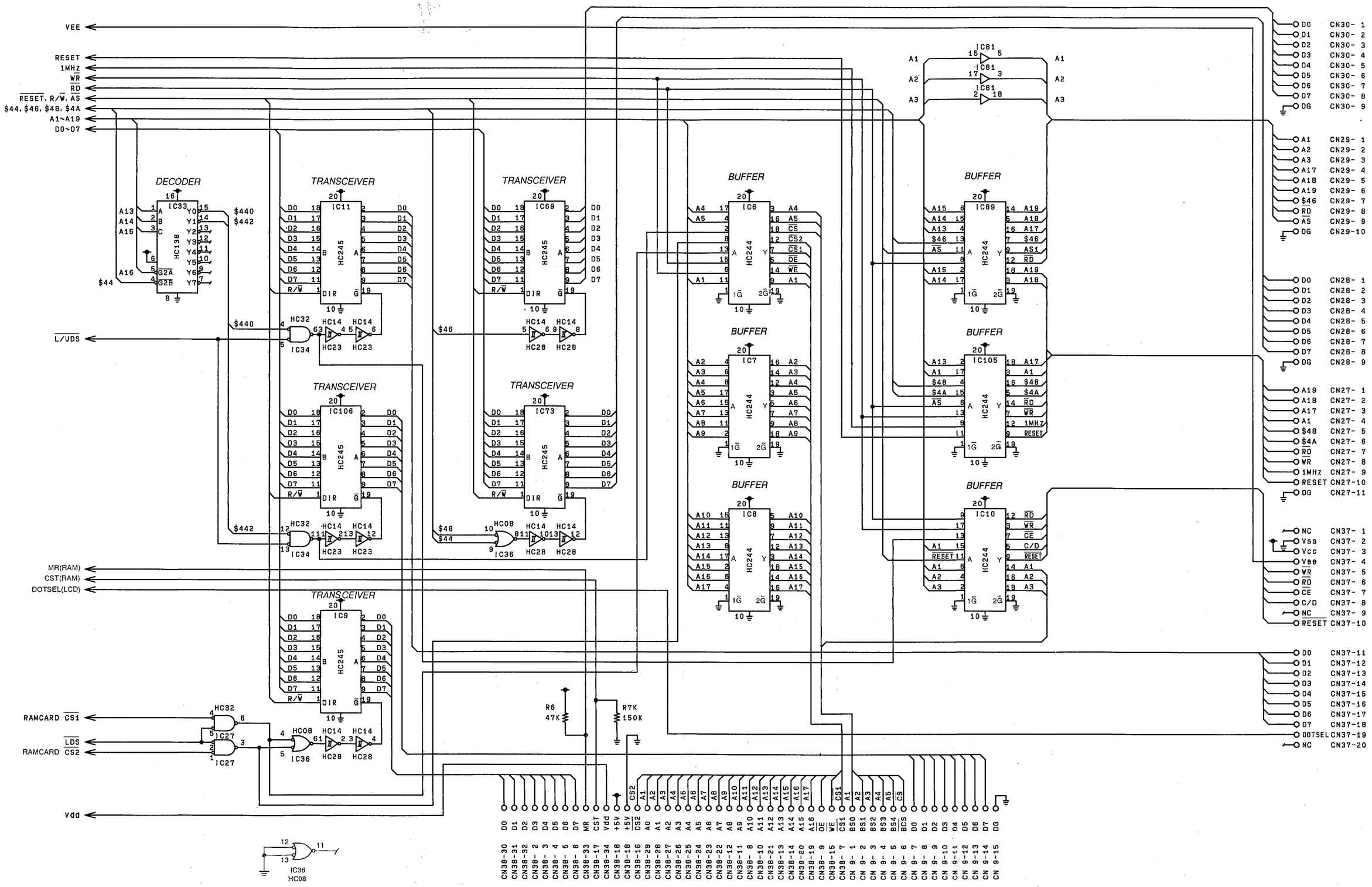


- Bypass capacitors;
  C1~C13, C18, C20~C58, C60, C61, C63, C64, C66~C76, C79~C88, C91~C97, C100~C127, C130~C147, C149~C154, C159, C161, C169, C170, C178~C183

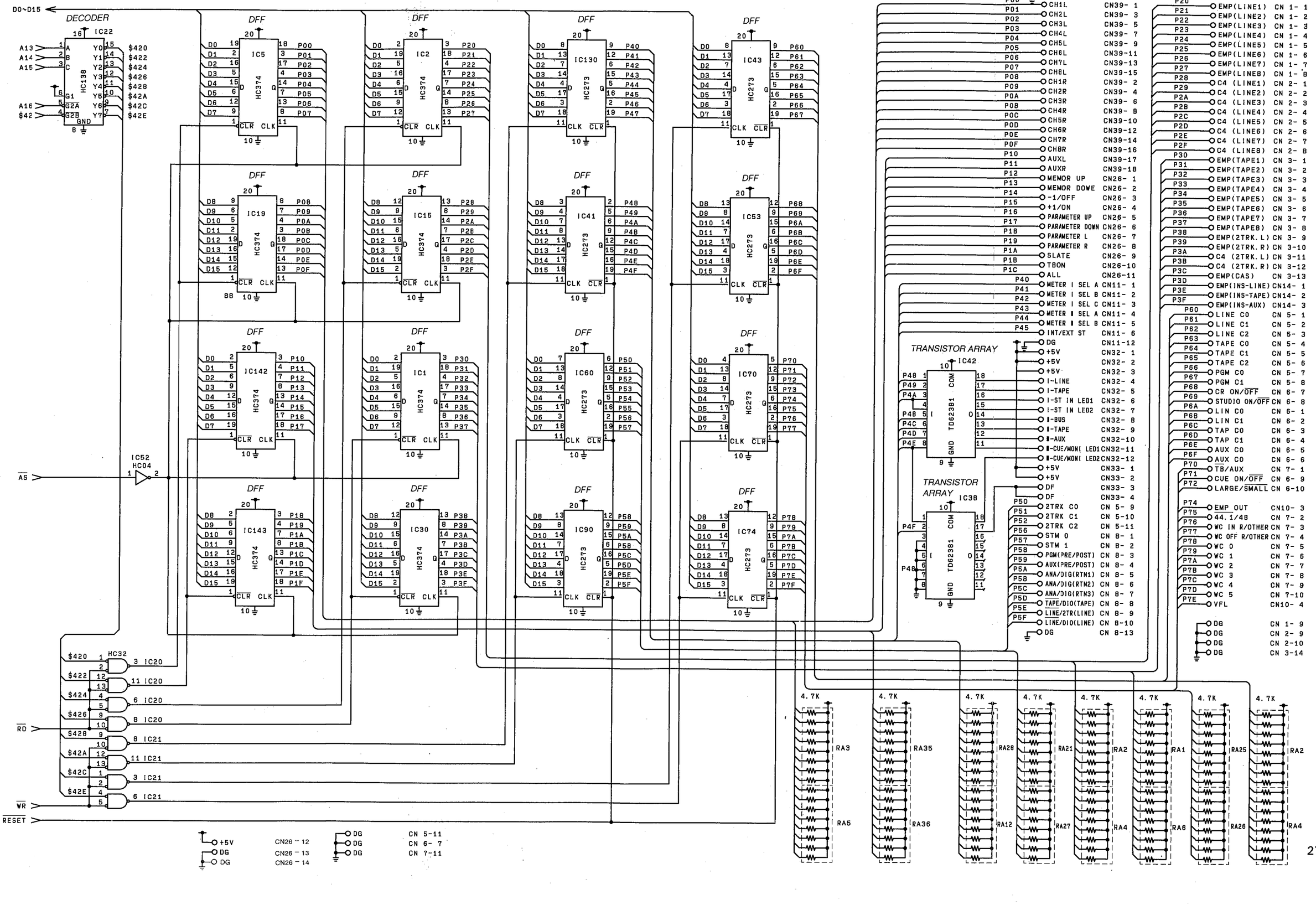
■CPU CIRCUIT DIAGRAM 2/7



■CPU CIRCUIT DIAGRAM 3/7

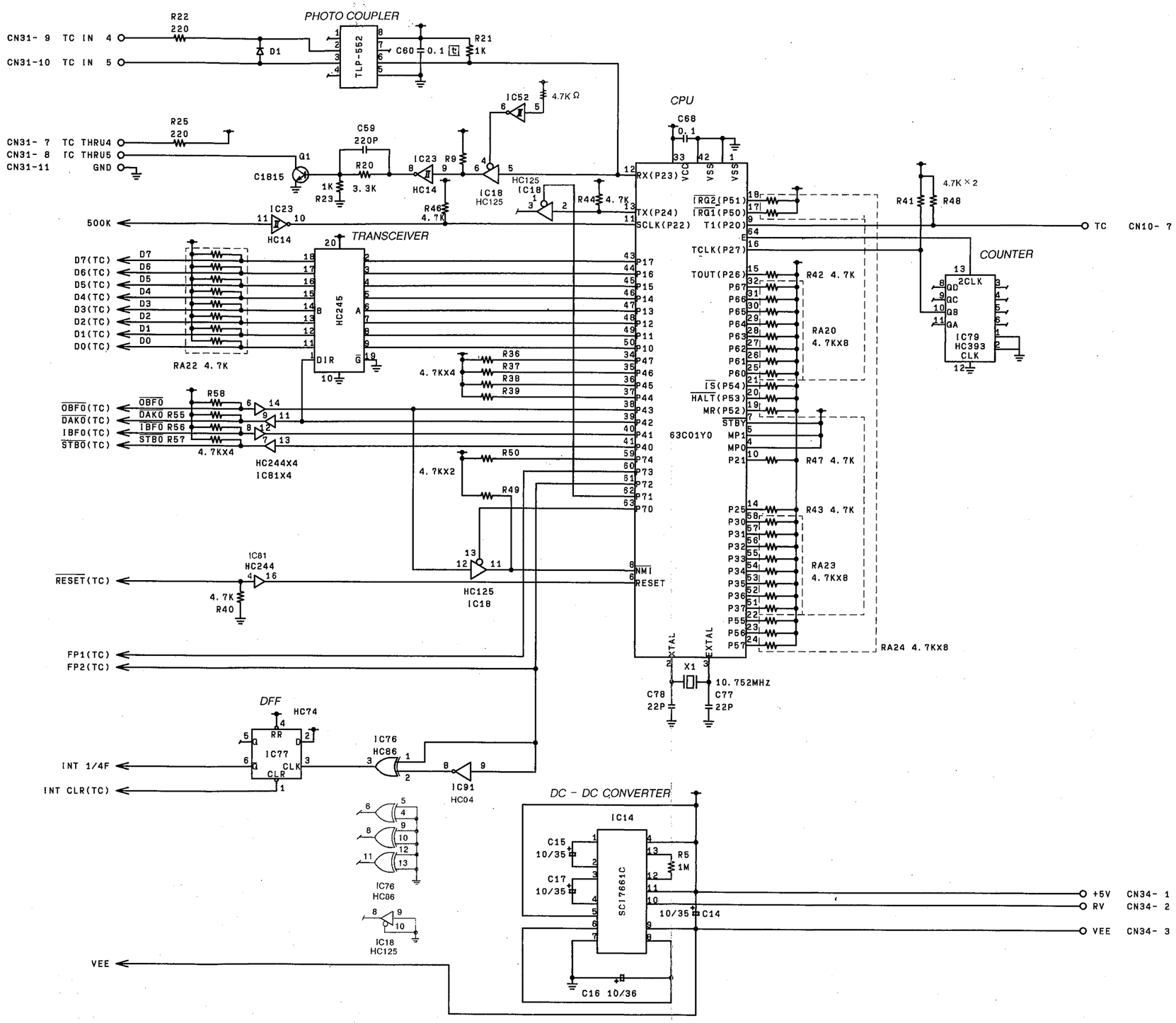


■CPU CIRCUIT DIAGRAM 4/7

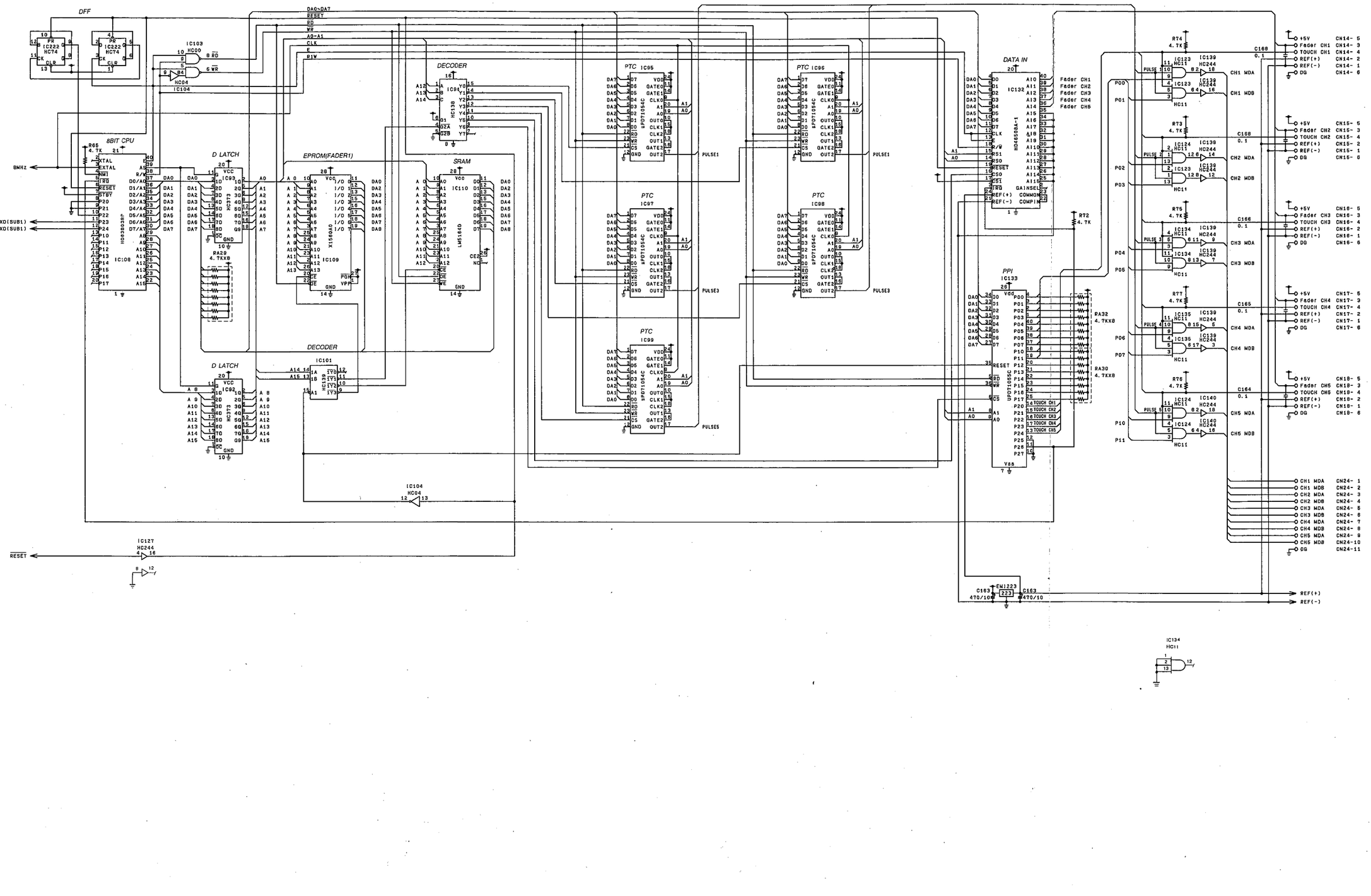


P00	CH1L	CN39- 1	EMP(LINE1) CN 1- 1
P01	CH2L	CN39- 3	EMP(LINE2) CN 1- 2
P02	CH3L	CN39- 5	EMP(LINE3) CN 1- 3
P03	CH4L	CN39- 7	EMP(LINE4) CN 1- 4
P04	CH5L	CN39- 9	EMP(LINE5) CN 1- 5
P05	CH6L	CN39-11	EMP(LINE6) CN 1- 6
P06	CH7L	CN39-13	EMP(LINE7) CN 1- 7
P07	CH8L	CN39-15	EMP(LINE8) CN 1- 8
P08	CH1R	CN39- 2	C4 (LINE1) CN 2- 1
P09	CH2R	CN39- 4	C4 (LINE2) CN 2- 2
P0A	CH3R	CN39- 6	C4 (LINE3) CN 2- 3
P0B	CH4R	CN39- 8	C4 (LINE4) CN 2- 4
P0C	CH5R	CN39-10	C4 (LINE5) CN 2- 5
P0D	CH6R	CN39-12	C4 (LINE6) CN 2- 6
P0E	CH7R	CN39-14	C4 (LINE7) CN 2- 7
P0F	CH8R	CN39-16	C4 (LINE8) CN 2- 8
P10	AUXL	CN39-17	EMP(TAPE1) CN 3- 1
P11	AUXR	CN39-18	EMP(TAPE2) CN 3- 2
P12	MEMOR UP	CN26- 1	EMP(TAPE3) CN 3- 3
P13	MEMOR DOWE	CN26- 2	EMP(TAPE4) CN 3- 4
P14	-1/OFF	CN26- 3	EMP(TAPE5) CN 3- 5
P15	+1/ON	CN26- 4	EMP(TAPE6) CN 3- 6
P16	PARAMETER UP	CN26- 5	EMP(TAPE7) CN 3- 7
P17	PARAMETER DOWN	CN26- 6	EMP(TAPE8) CN 3- 8
P18	PARAMETER L	CN26- 7	EMP(2TRK.L) CN 3- 9
P19	PARAMETER R	CN26- 8	EMP(2TRK.R) CN 3-10
P1A	SLATE	CN26- 9	C4 (2TRK.L) CN 3-11
P1B	TBON	CN26-10	C4 (2TRK.R) CN 3-12
P1C	ALL	CN26-11	EMP(CAS) CN 3-13
P40	METER I SEL A	CN11- 1	EMP(INS-LINE) CN14- 1
P41	METER I SEL B	CN11- 2	EMP(INS-TAPE) CN14- 2
P42	METER I SEL C	CN11- 3	EMP(INS-AUX) CN14- 3
P43	METER II SEL A	CN11- 4	LINE C0 CN 5- 1
P44	METER II SEL B	CN11- 5	LINE C1 CN 5- 2
P45	INT/EXT ST	CN11- 6	LINE C2 CN 5- 3
			TAPE C0 CN 5- 4
			TAPE C1 CN 5- 5
			TAPE C2 CN 5- 6
			PGM C0 CN 5- 7
			PGM C1 CN 5- 8
			CR ON/OFF CN 6- 7
			STUDIO ON/OFF CN 6- 8
			LIN C0 CN 6- 1
			LIN C1 CN 6- 2
			TAP C0 CN 6- 3
			TAP C1 CN 6- 4
			AUX C0 CN 6- 5
			AUX C0 CN 6- 6
			TB/AUX CN 7- 1
			CUE ON/OFF CN 6- 9
			LARGE/SMALL CN 6-10
			EMP_OUT CN10- 3
			44.1/48 CN 7- 2
			WC IN R/OTHER CN 7- 3
			WC OFF R/OTHER CN 7- 4
			WC 0 CN 7- 5
			WC 1 CN 7- 6
			WC 2 CN 7- 7
			WC 3 CN 7- 8
			WC 4 CN 7- 9
			WC 5 CN 7-10
			VFL CN10- 4
			DG CN 1- 9
			DG CN 2- 9
			DG CN 2-10
			DG CN 3-14

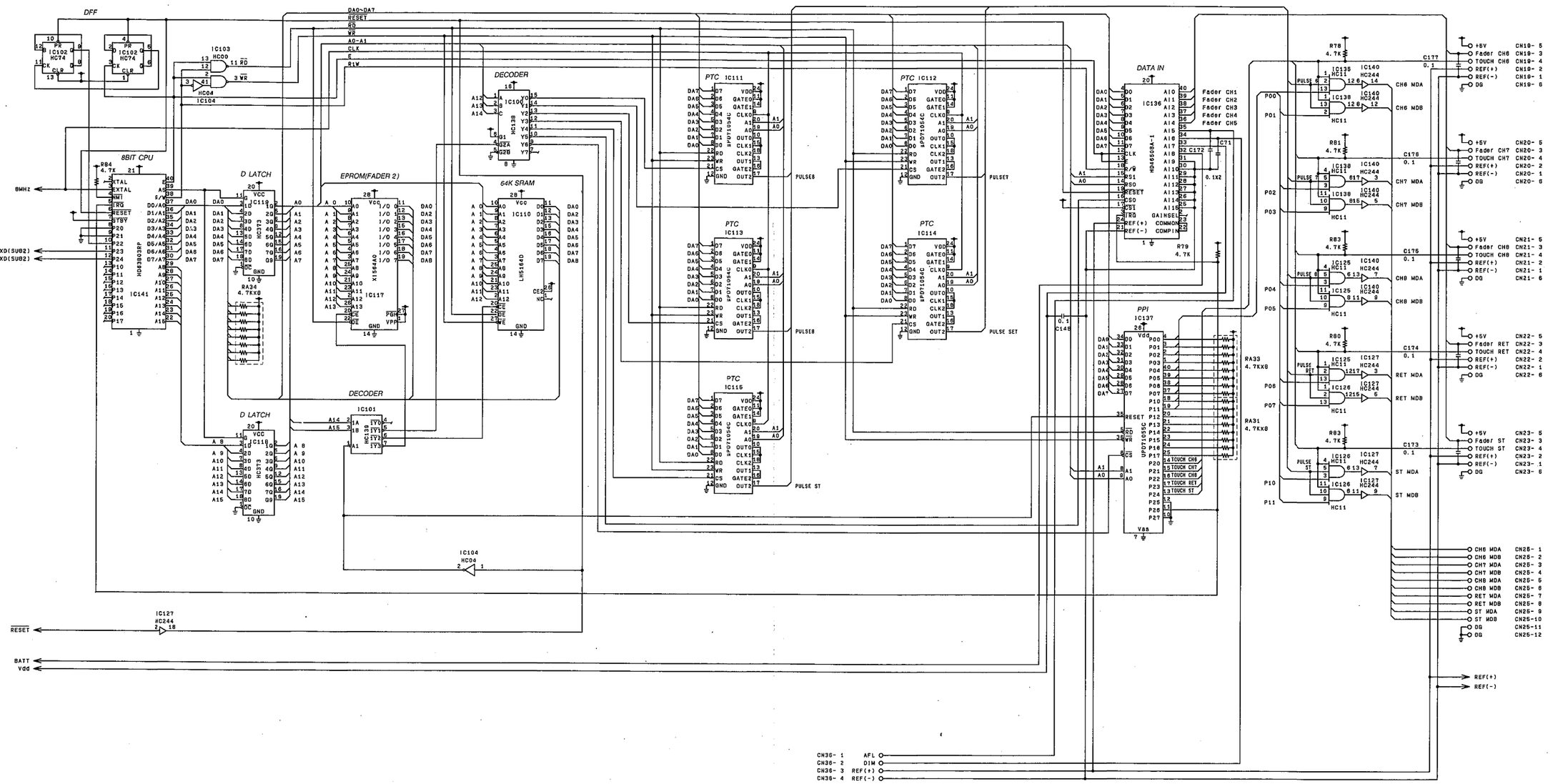
■CPU CIRCUIT DIAGRAM 5/7



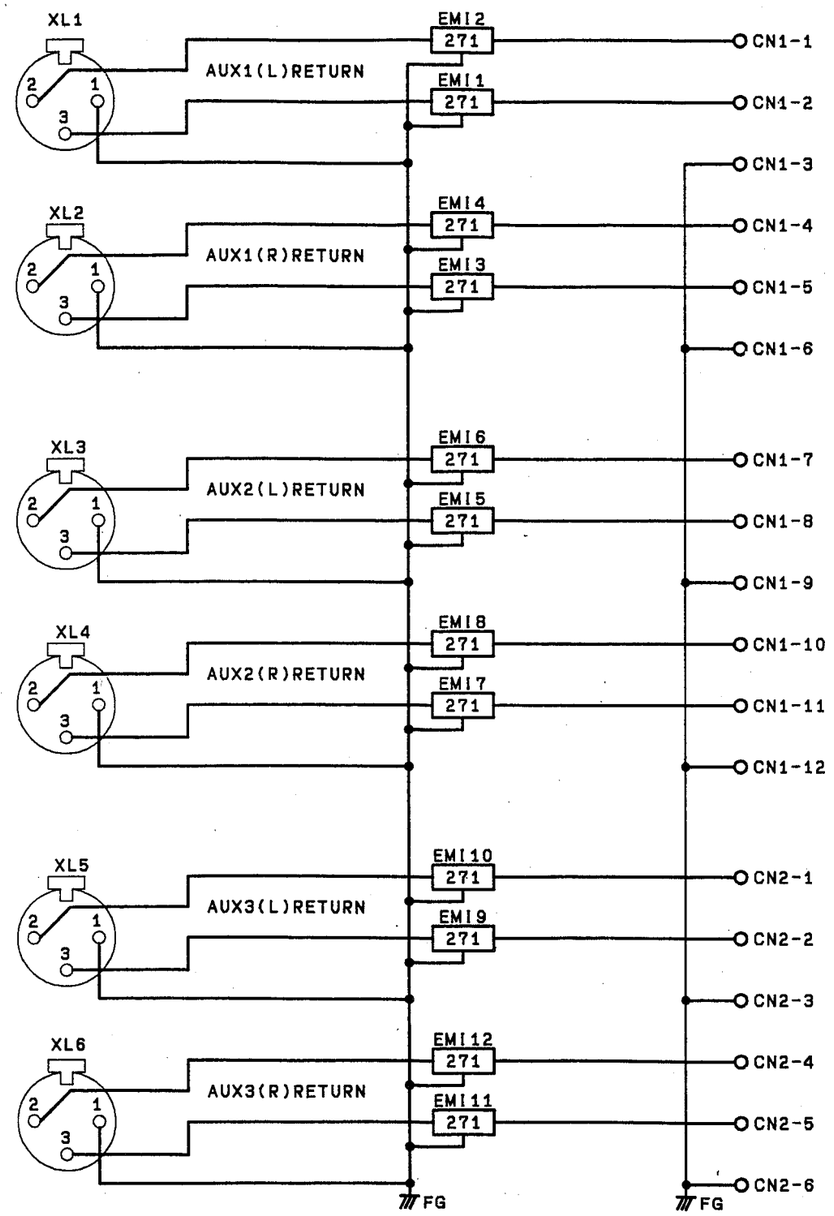
■CPU CIRCUIT DIAGRAM 6/7



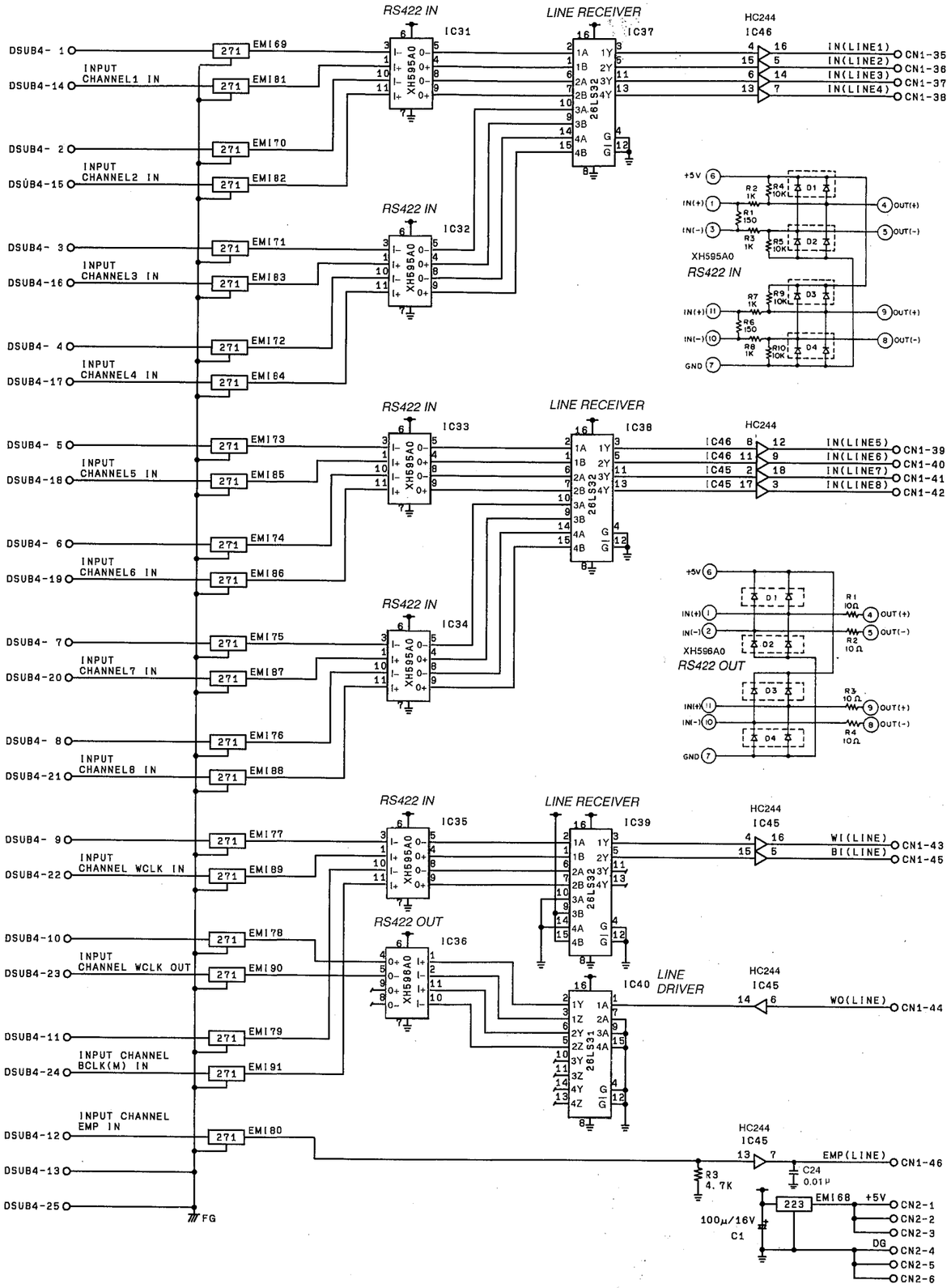
■CPU CIRCUIT DIAGRAM 7/7

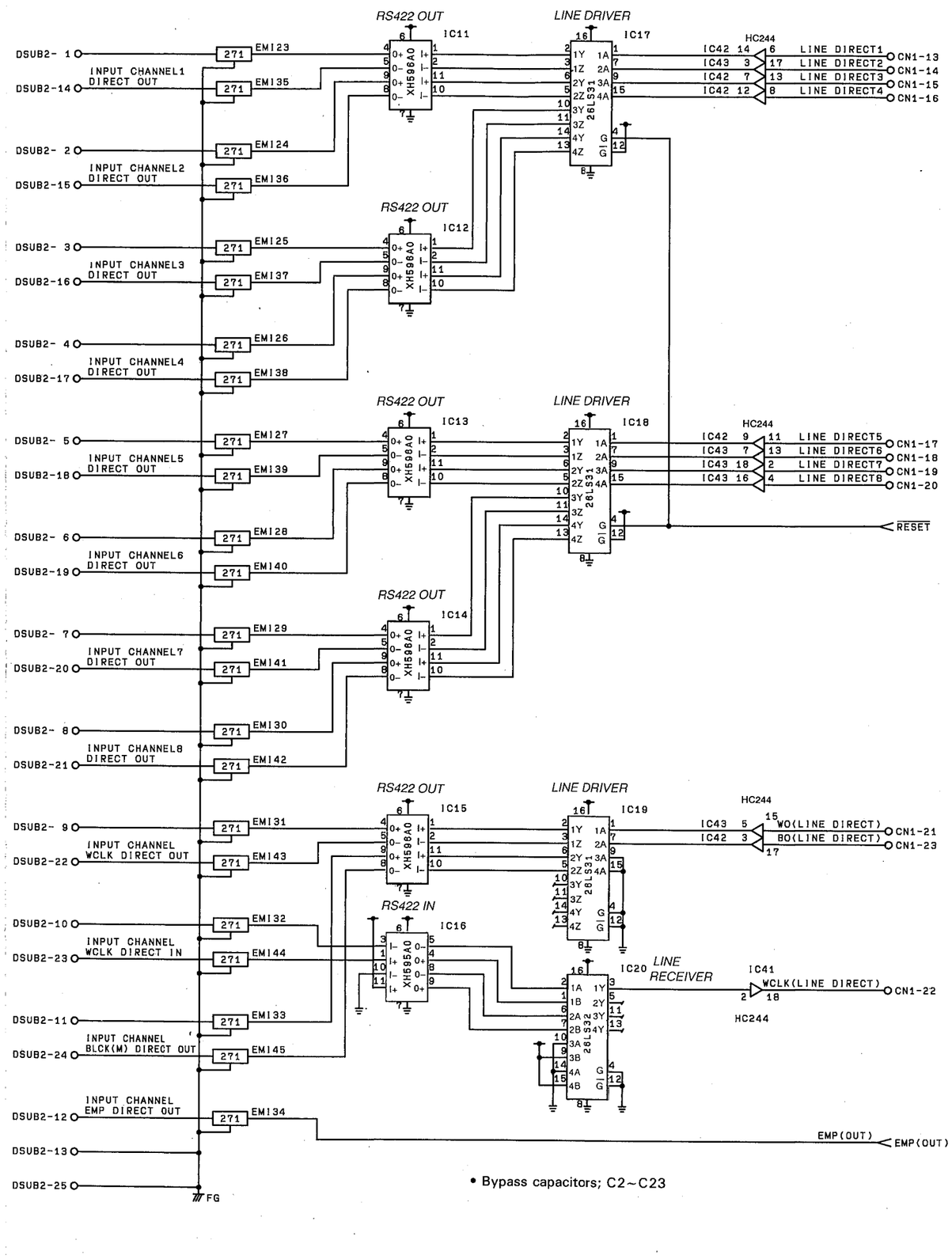


■CRA CIRCUIT DIAGRAM (ANALOG IN)



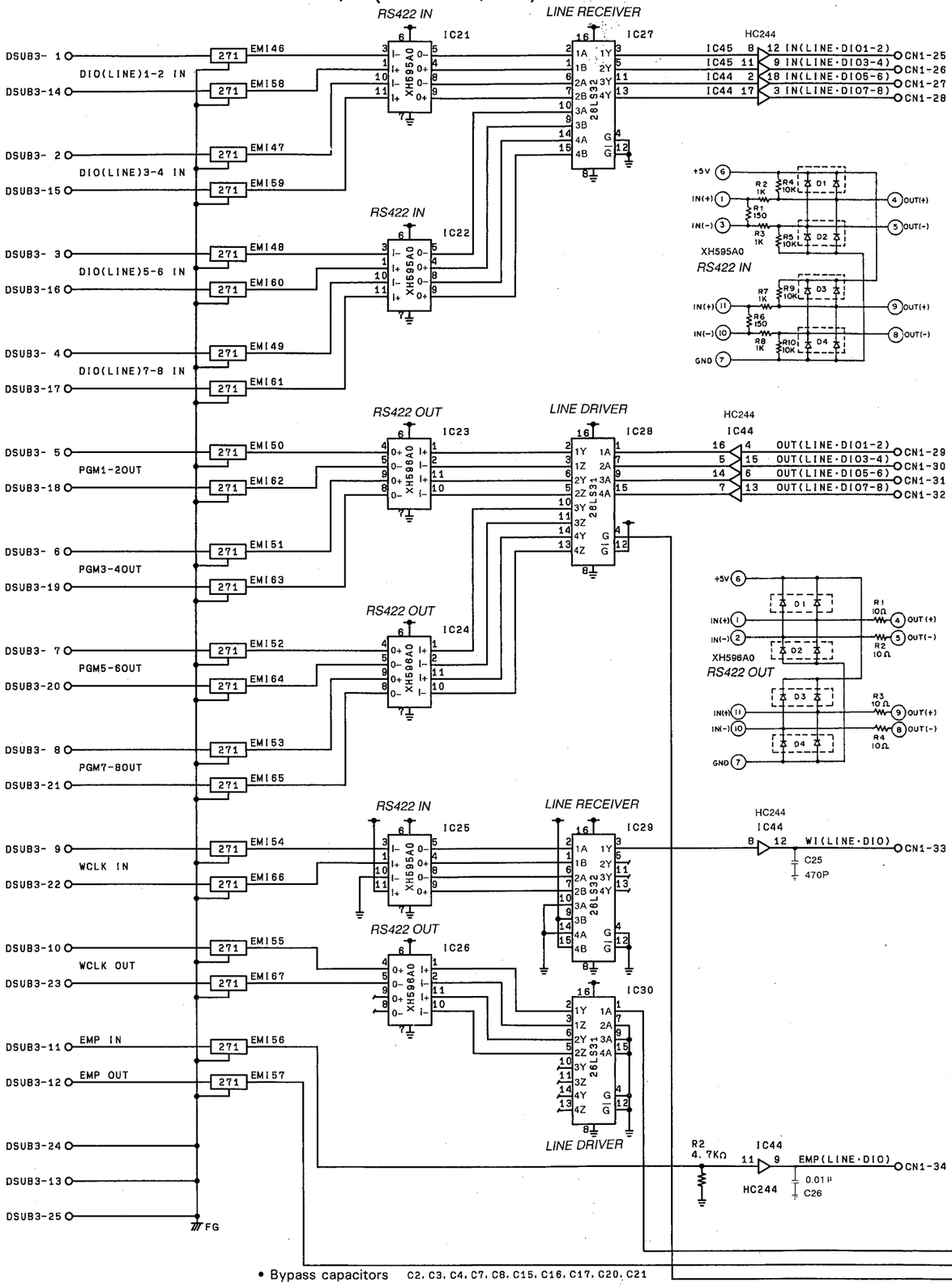
■CRC CIRCUIT DIAGRAM 1/2 (LINE IN/DIR)

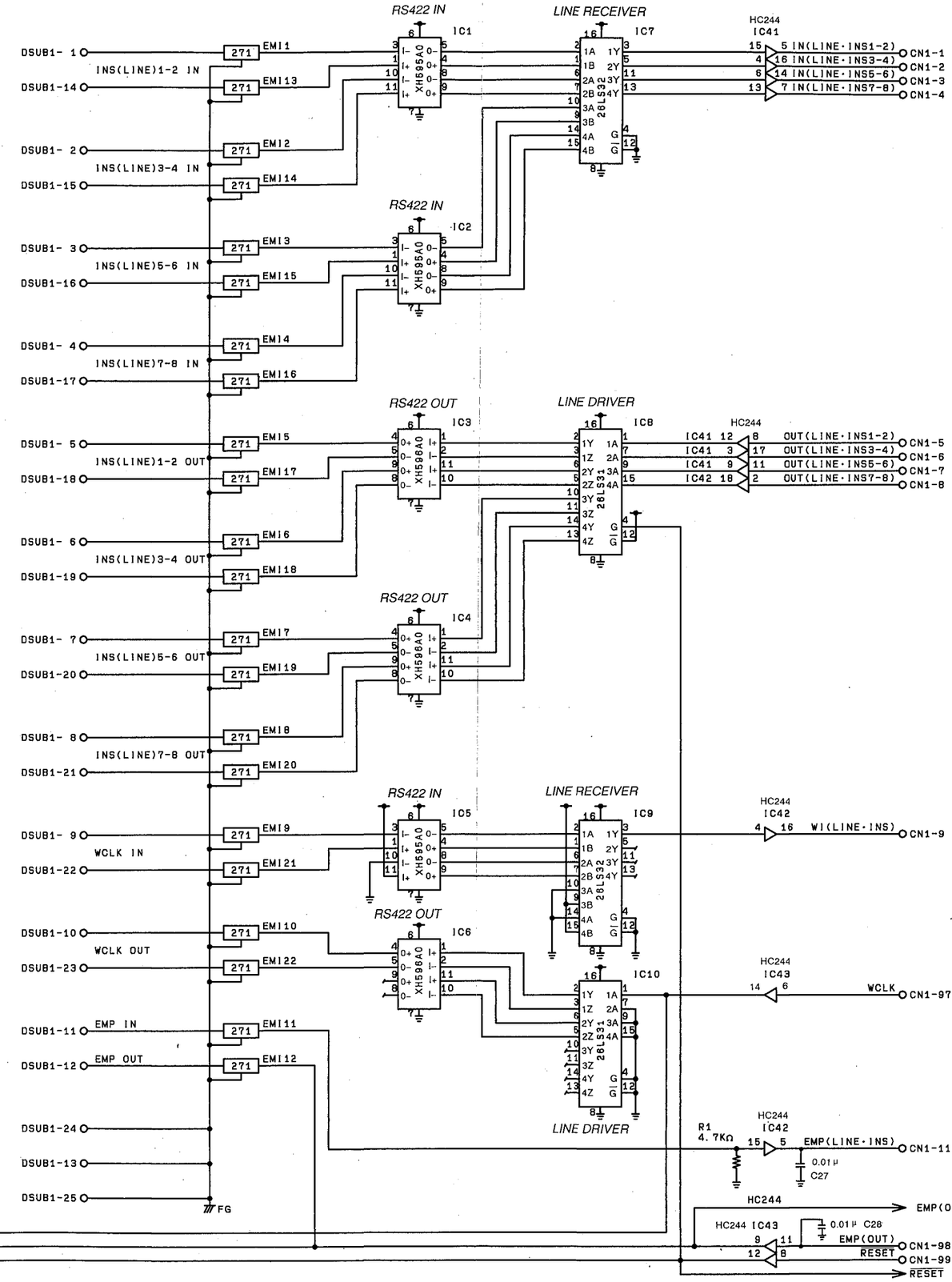




• Bypass capacitors; C2~C23

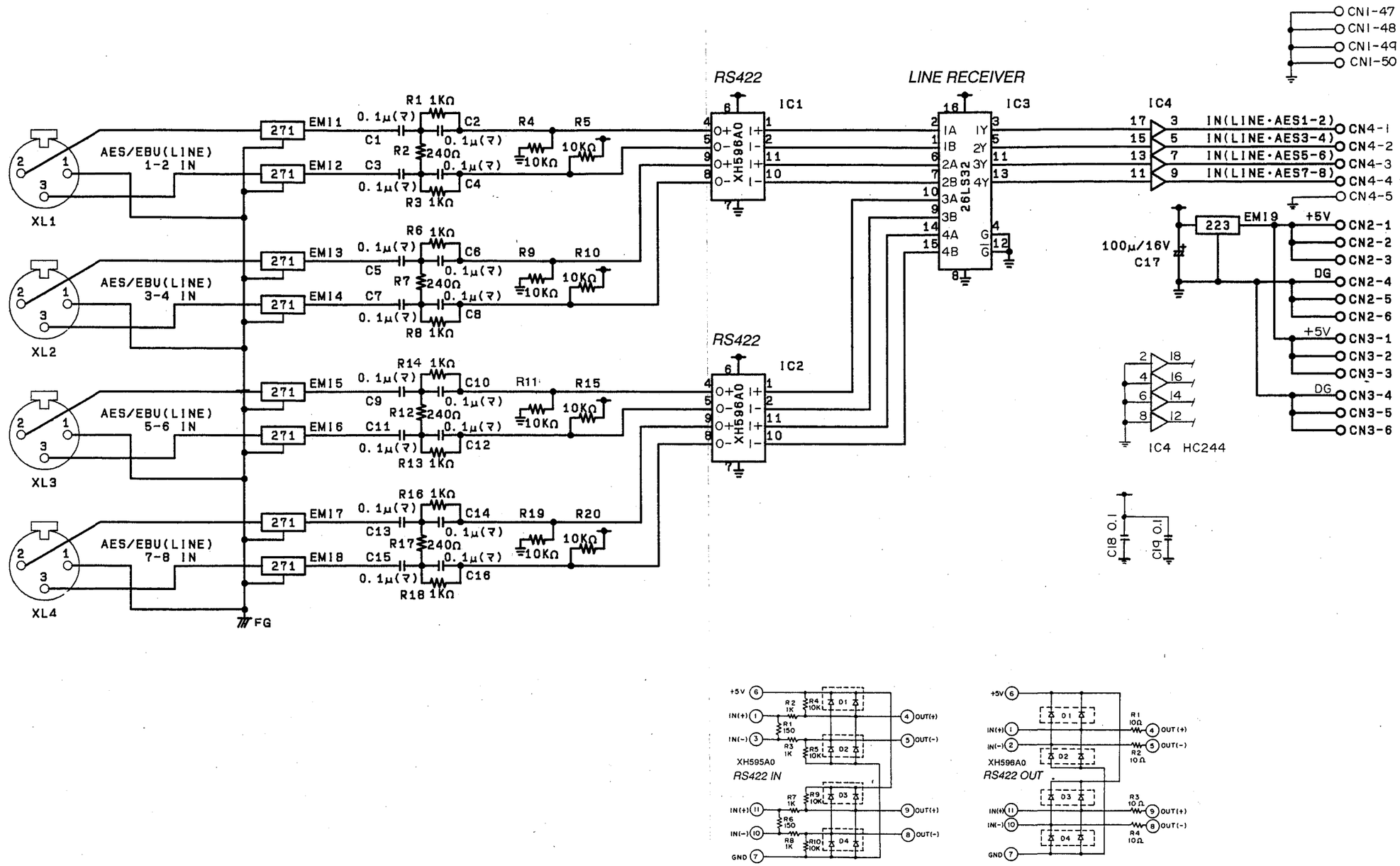
■CRC CIRCUIT DIAGRAM 2/2 (LINE INS/DIO)



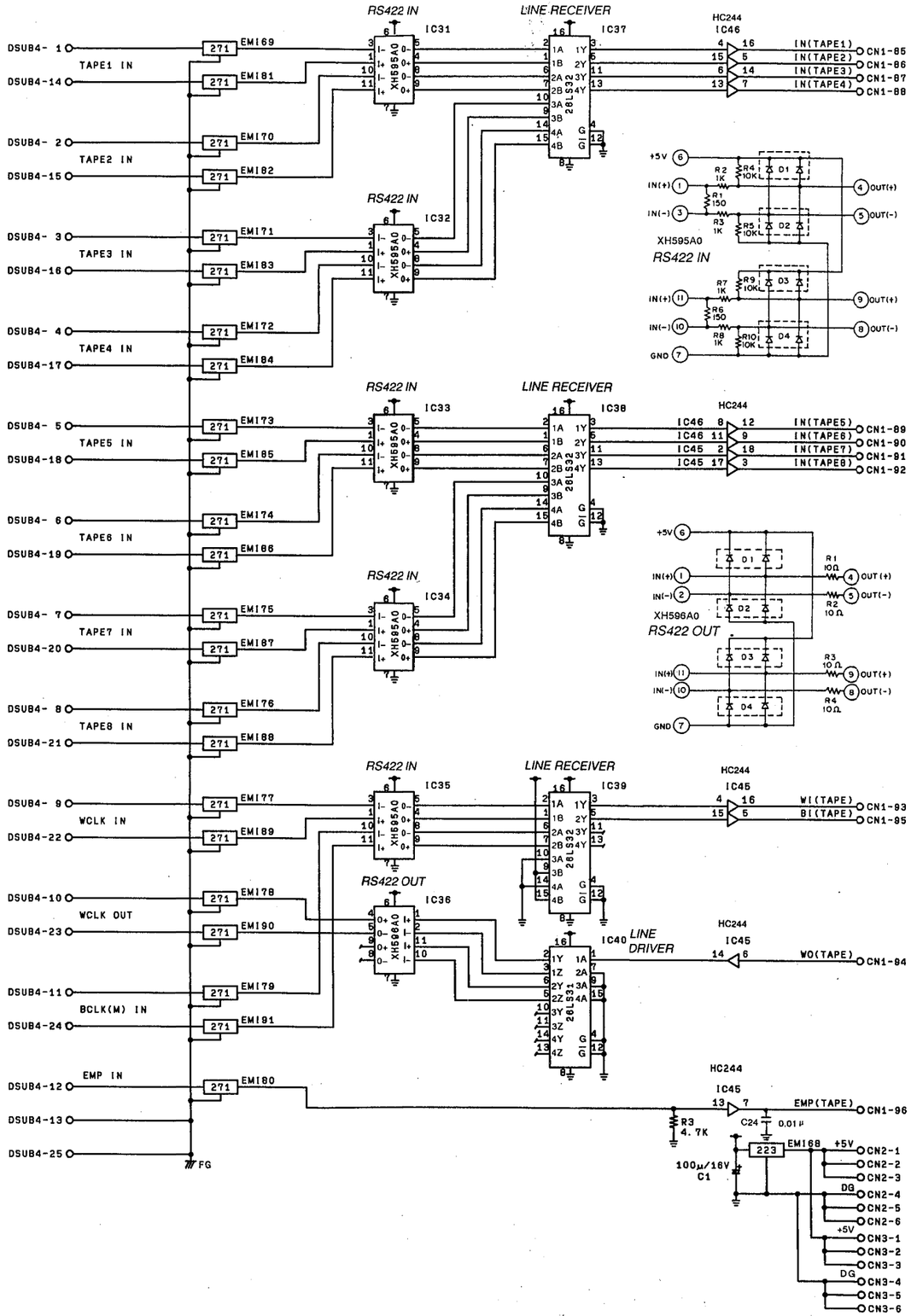


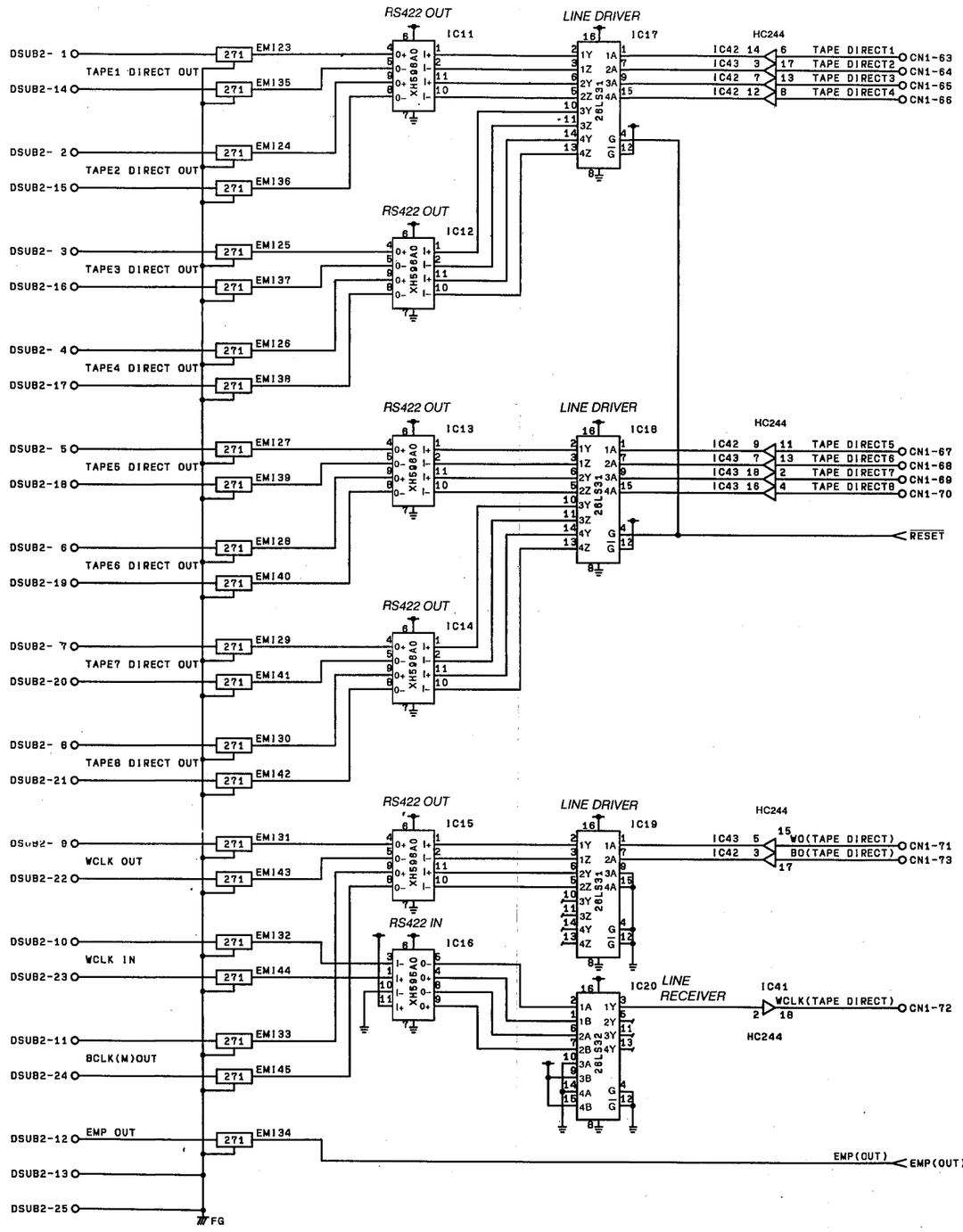
• Bypass capacitors C2, C3, C4, C7, C8, C15, C16, C17, C20, C21

■CRD CIRCUIT DIAGRAM (LINE (AES/EBU) IN)



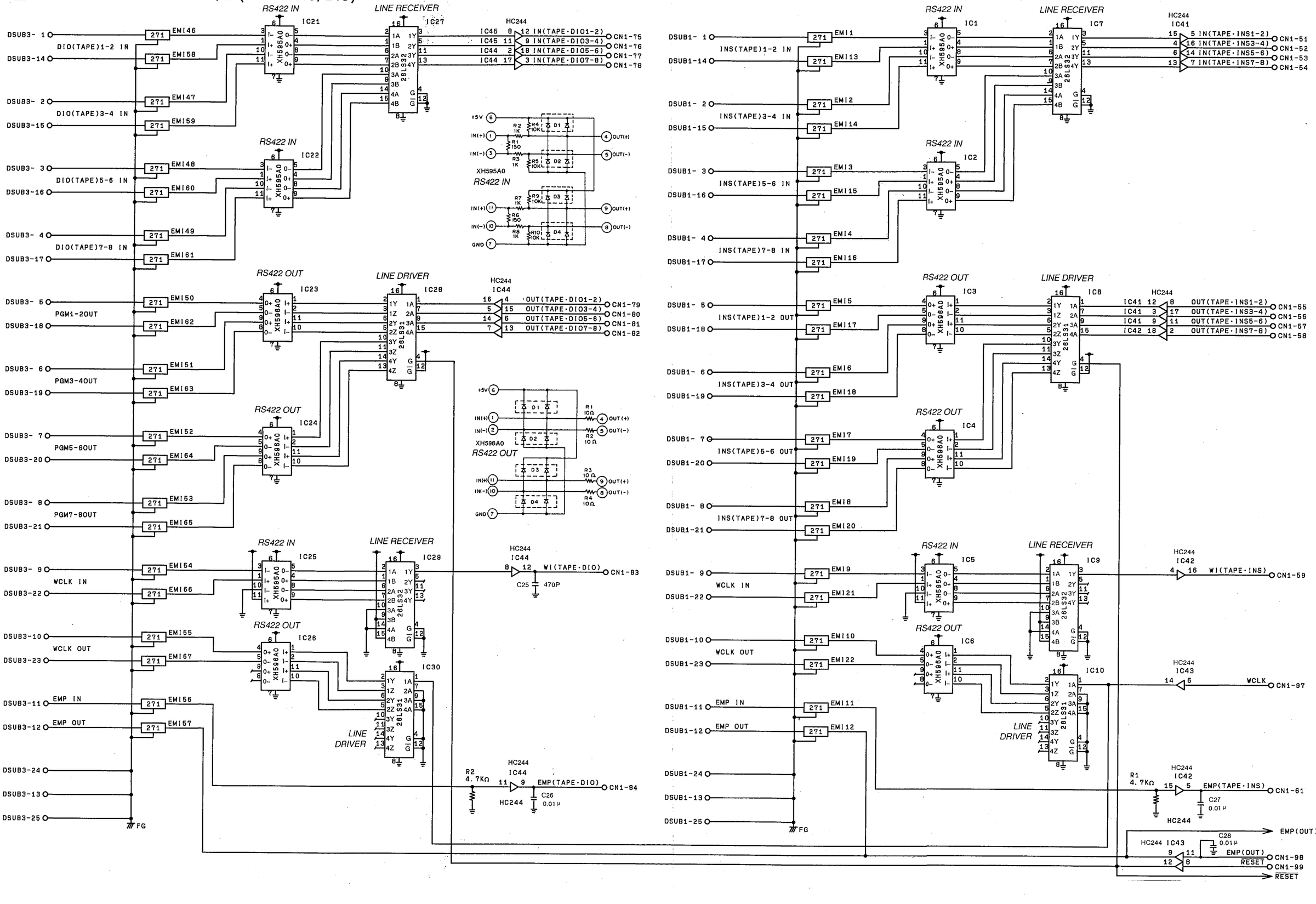
■CRE CIRCUIT DIAGRAM 1/2 (TAPE IN/DIR)



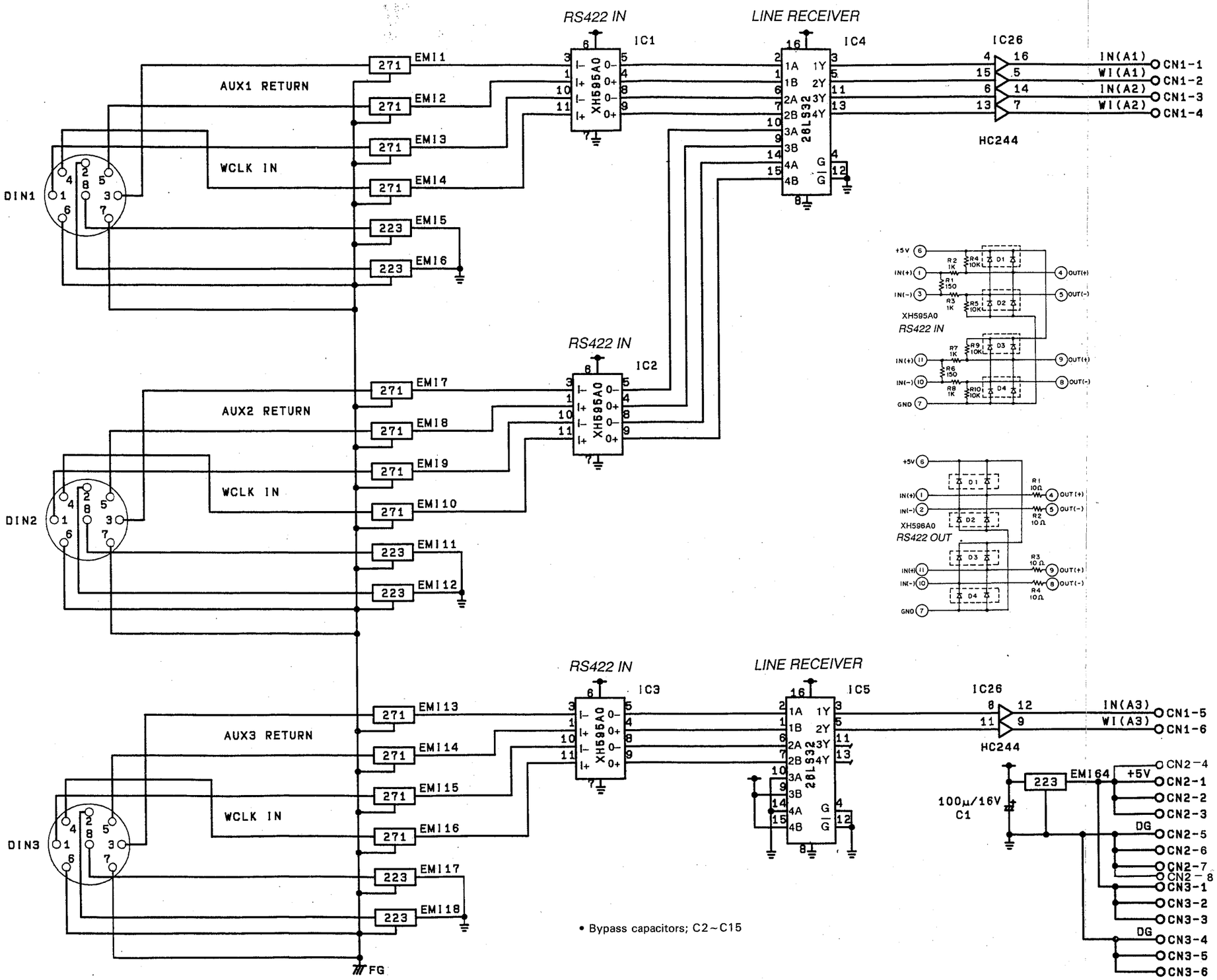


• Bypass capacitors; C2~C23

■CRE CIRCUIT DIAGRAM 2/2 (TAPE INS/DIO)

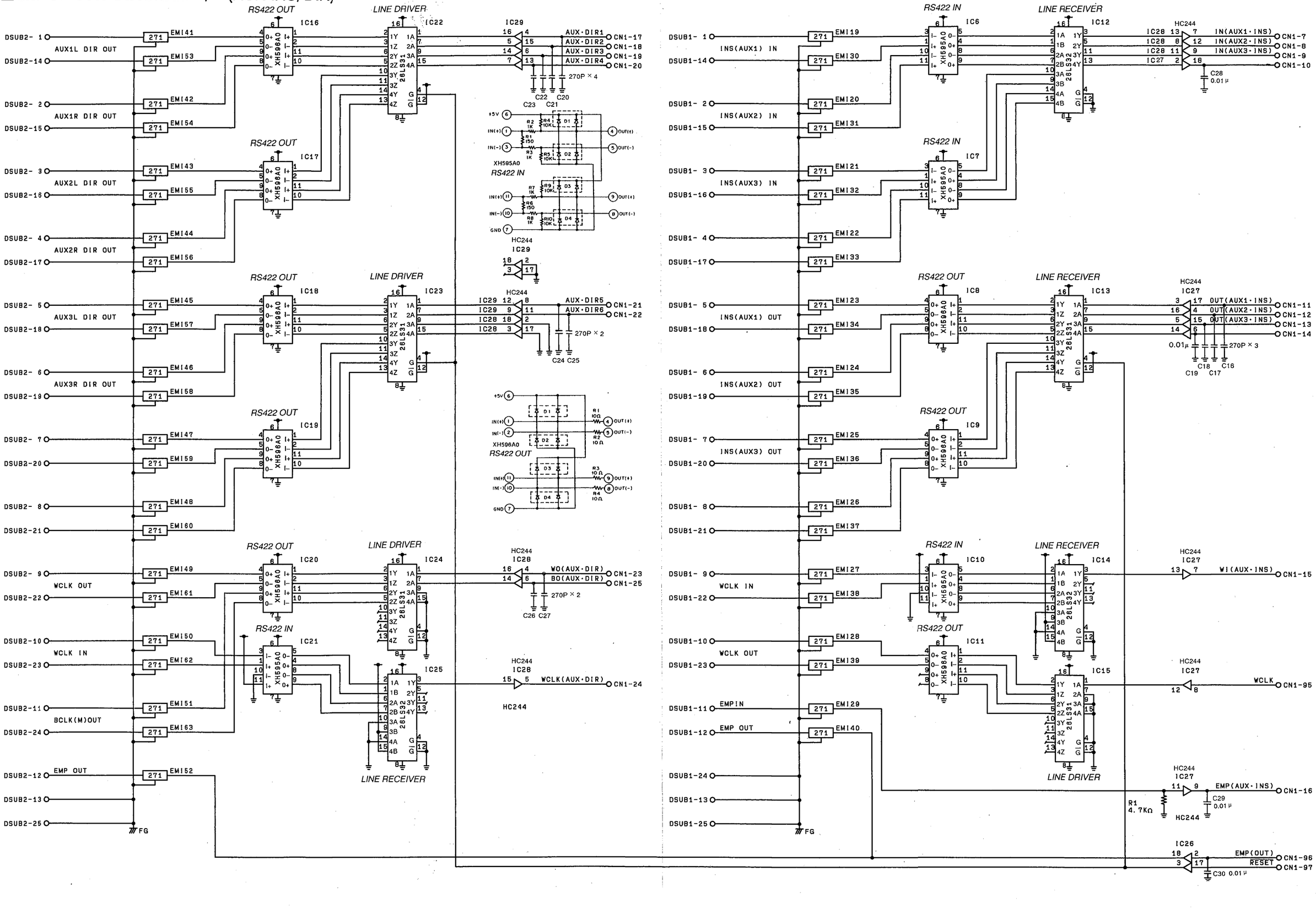


■CRF CIRCUIT DIAGRAM 1/2 (AUX RETURN)

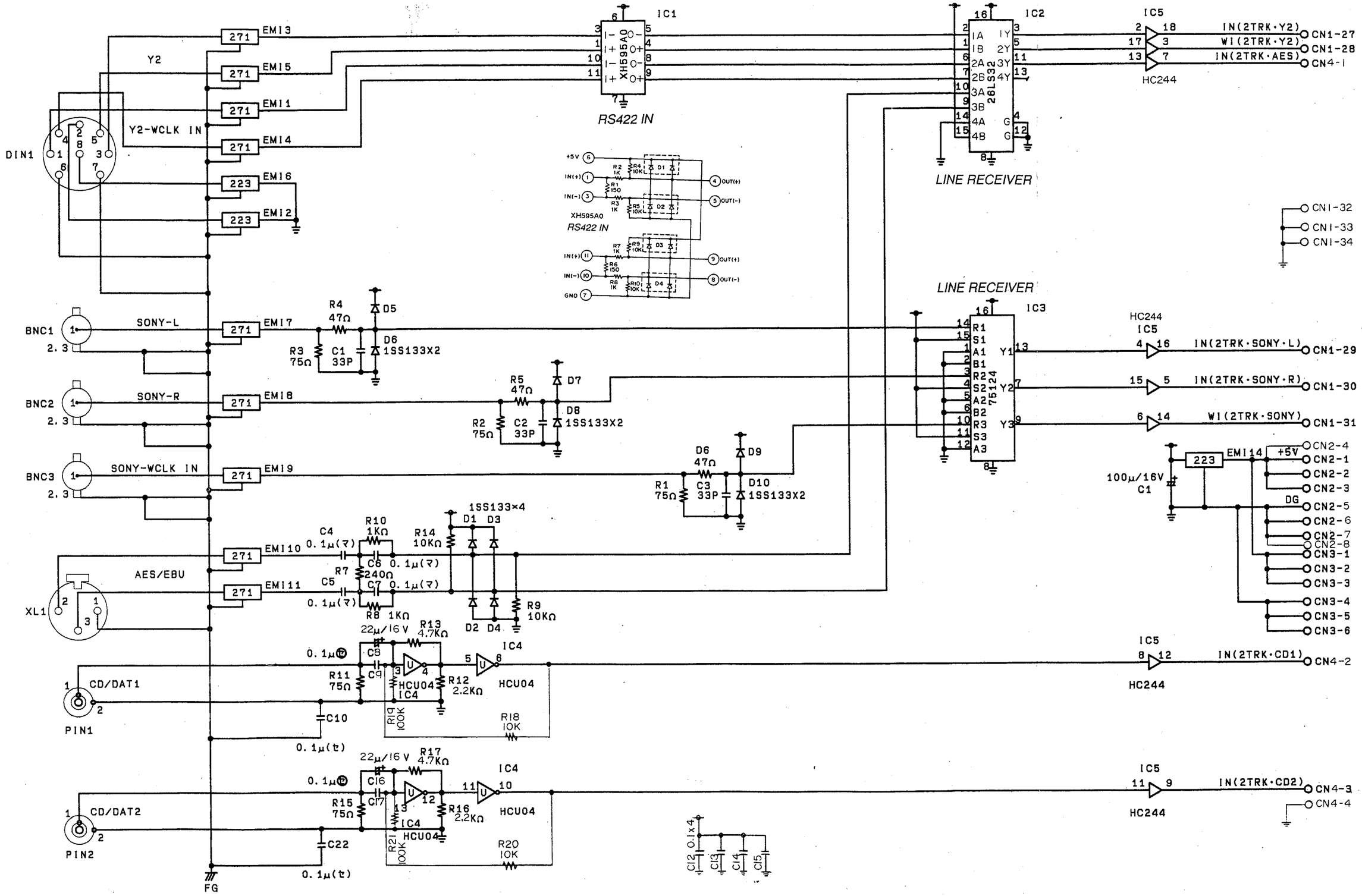


• Bypass capacitors; C2~C15

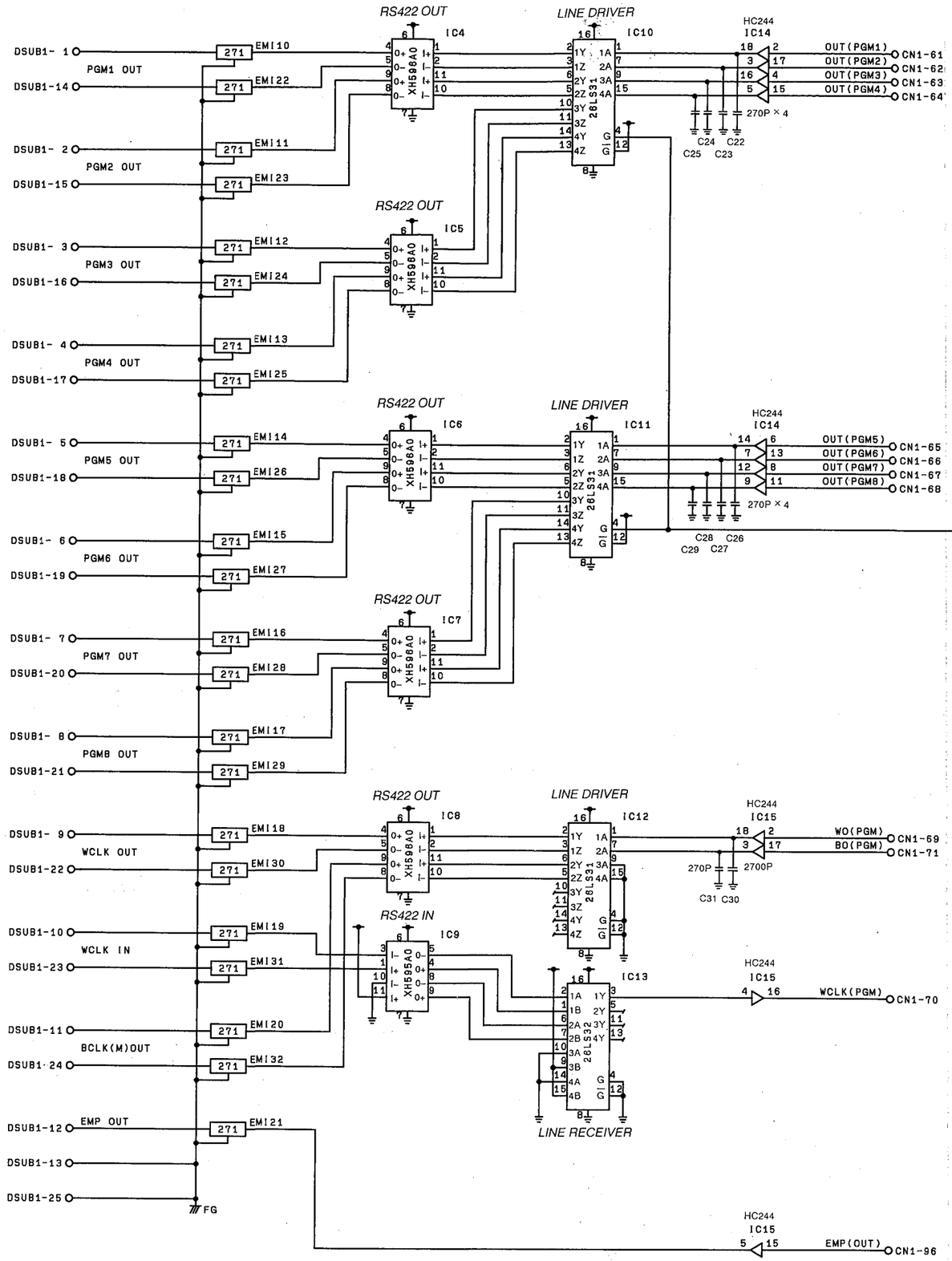
■CRF CIRCUIT DIAGRAM 2/2 (AUX INS/DIR)

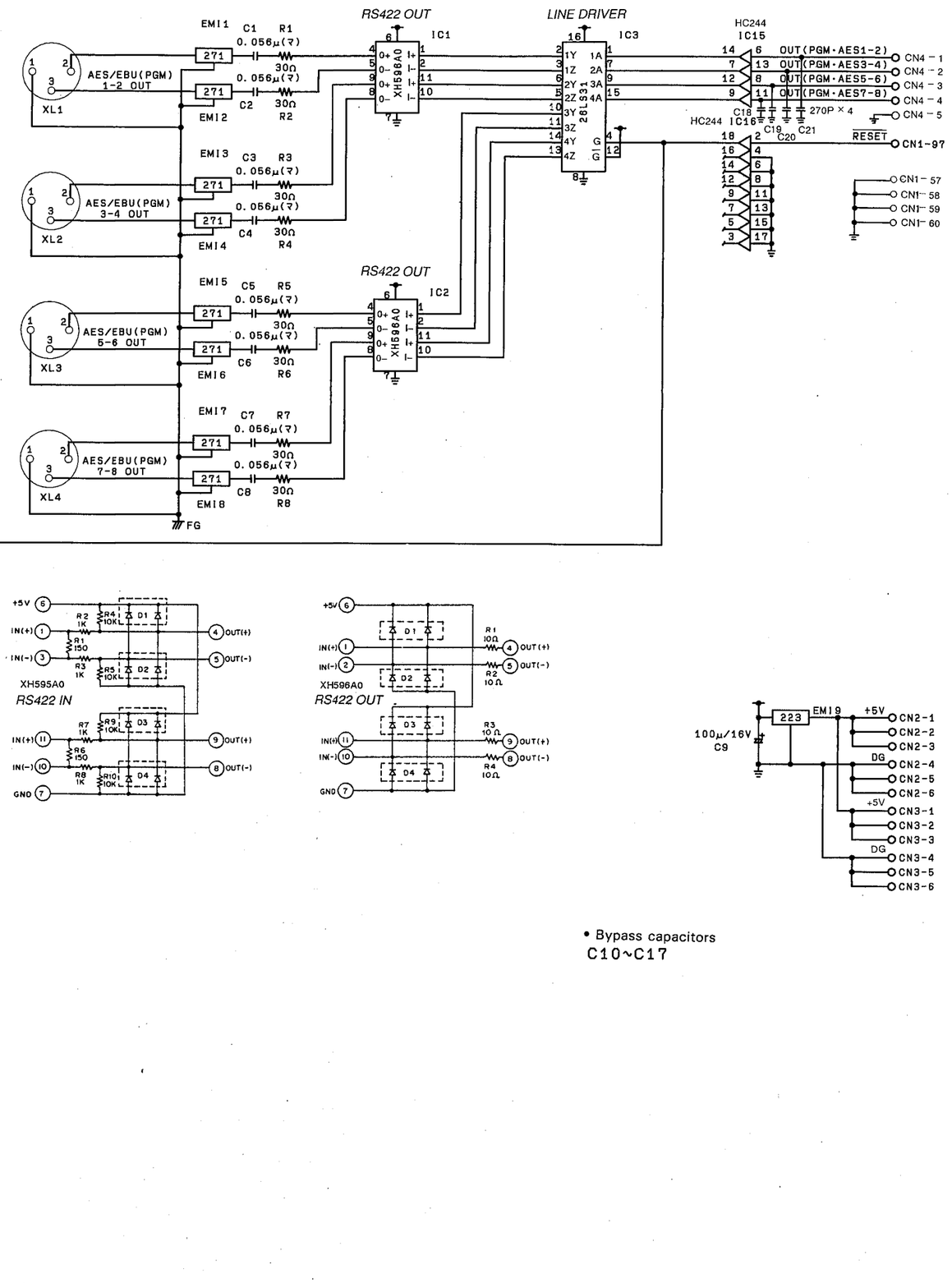


■CRG CIRCUIT DIAGRAM (2TRK IN)



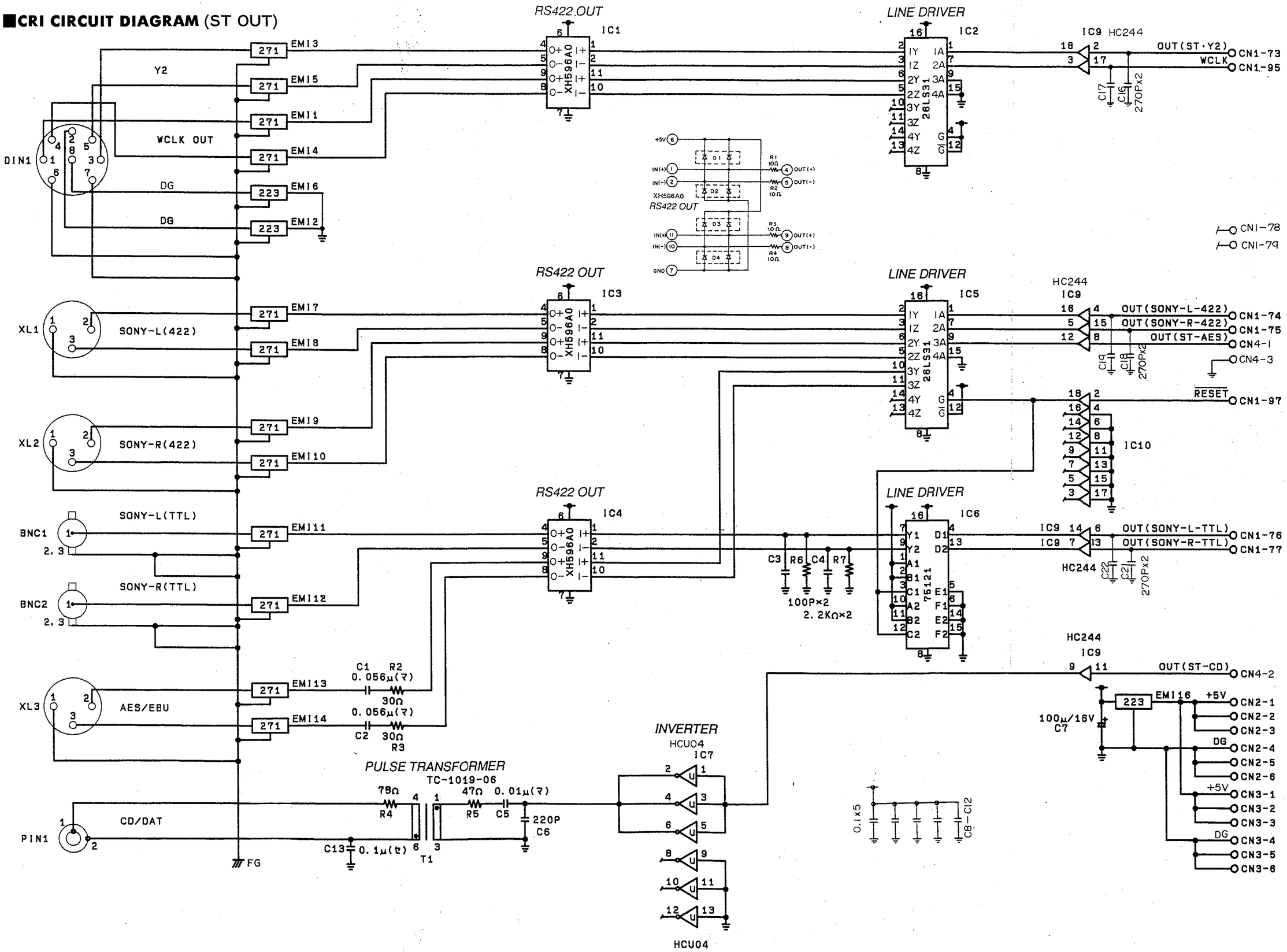
■CRH CIRCUIT DIAGRAM (BUSS OUT)



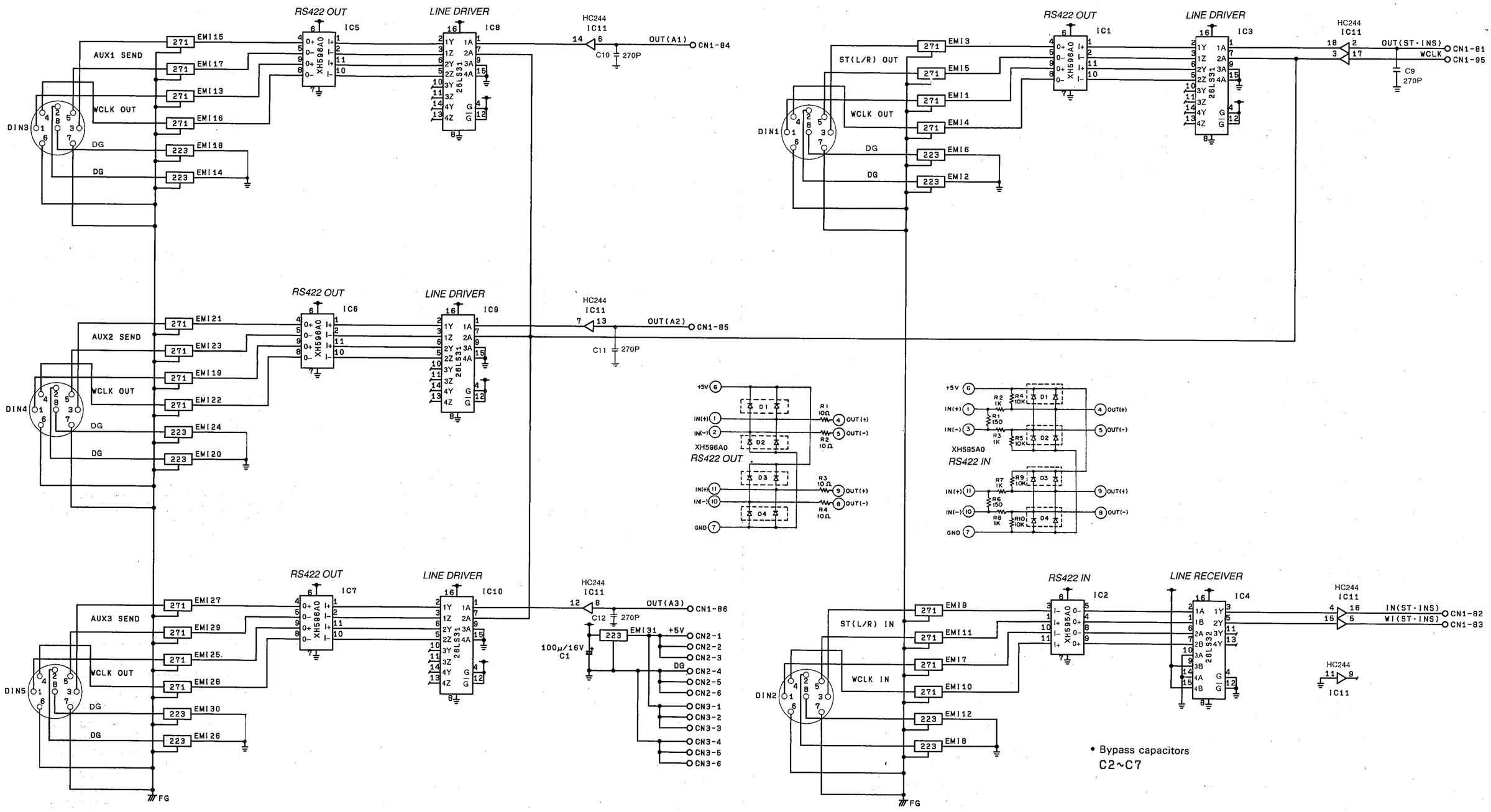


• Bypass capacitors
C10~C17

■CRI CIRCUIT DIAGRAM (ST OUT)

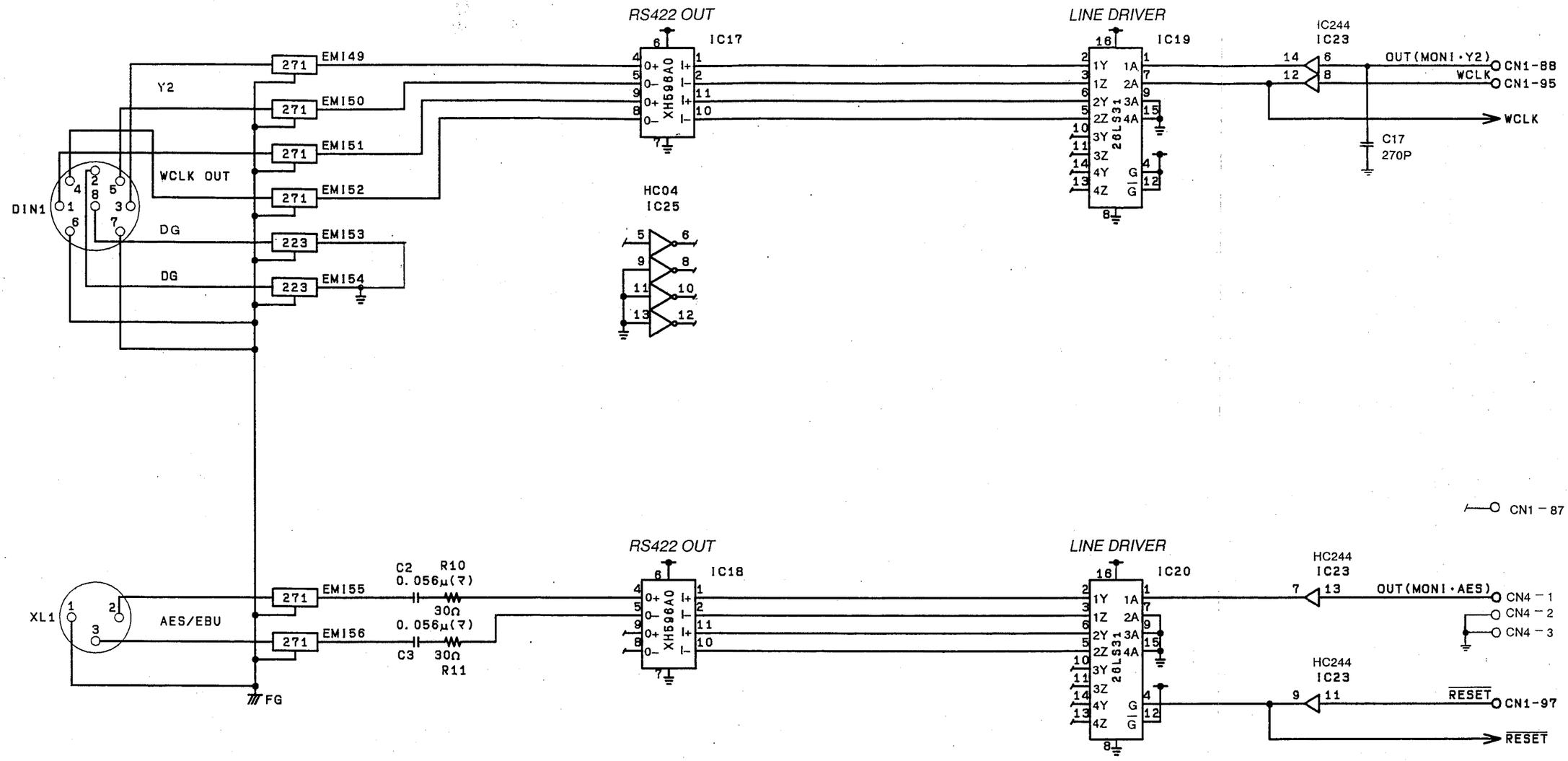


■CRJ CIRCUIT DIAGRAM (ST INS/AUX SEND)

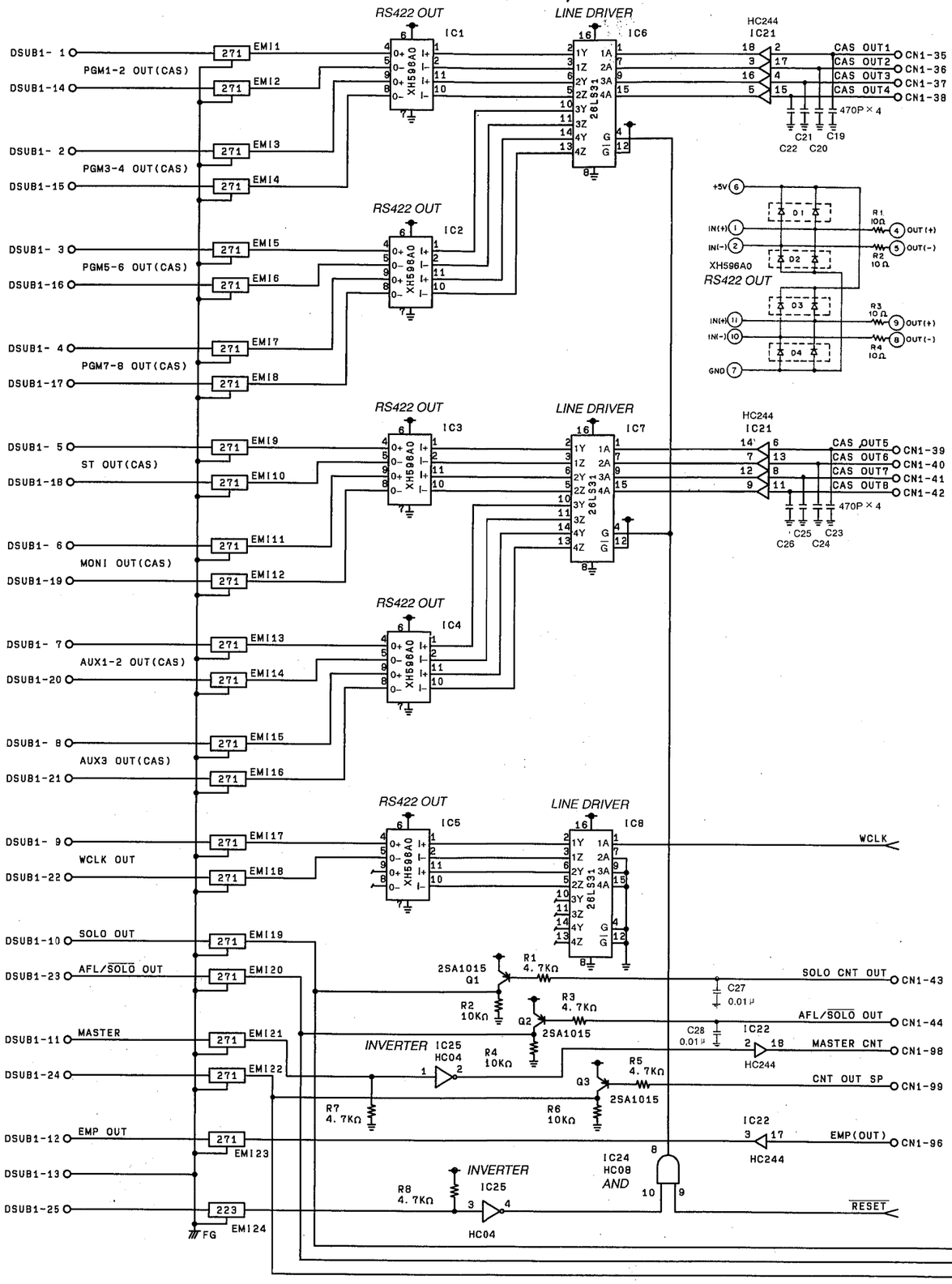


• Bypass capacitors
C2~C7

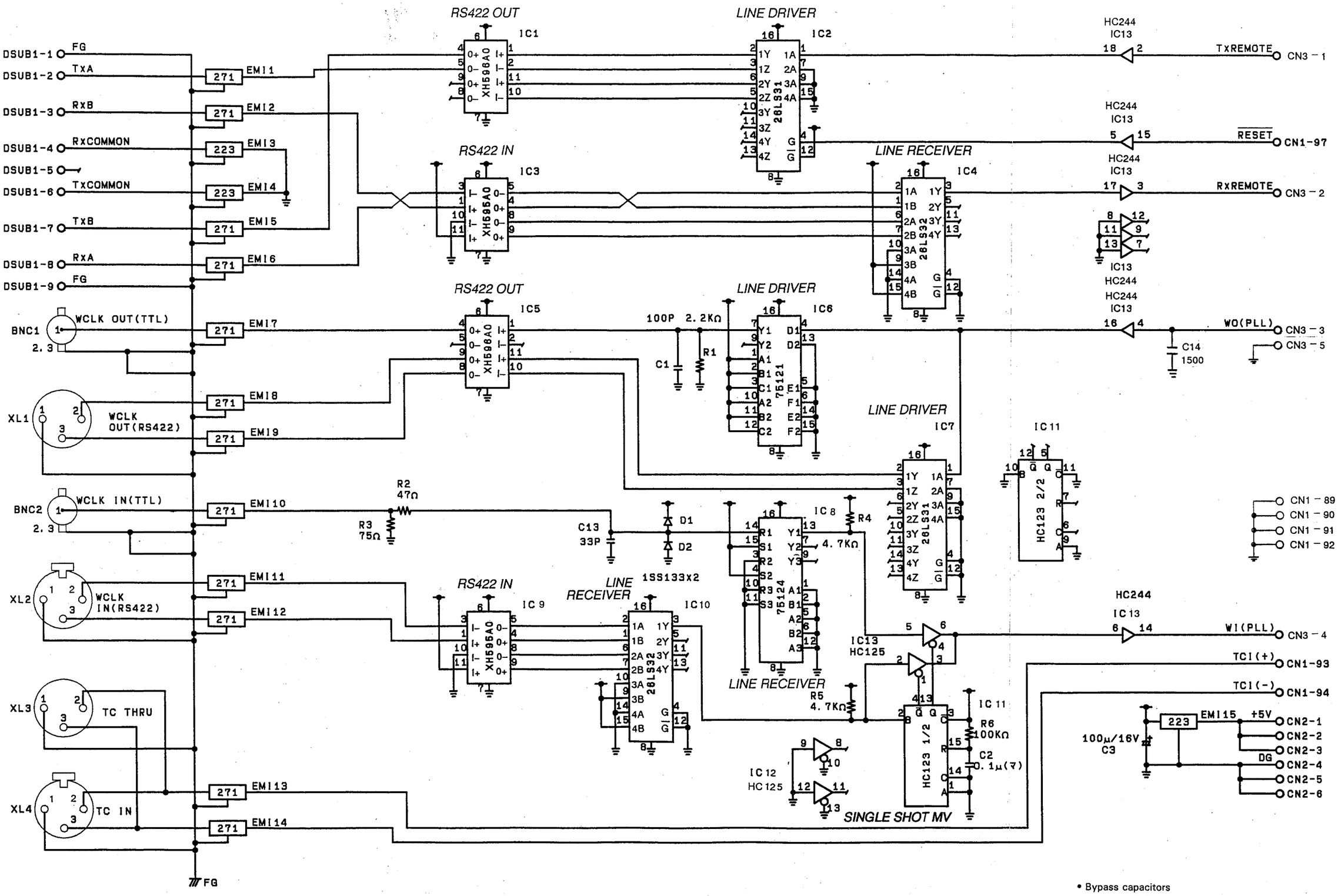
■CRK CIRCUIT DIAGRAM 1/2 (MONITOR OUT)



■CRK CIRCUIT DIAGRAM 2/2 (CASCADE IN/OUT)

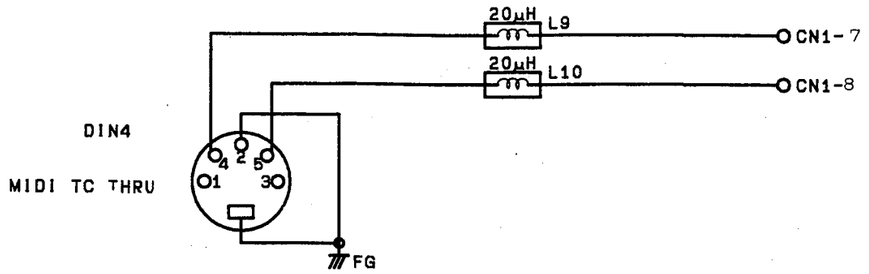


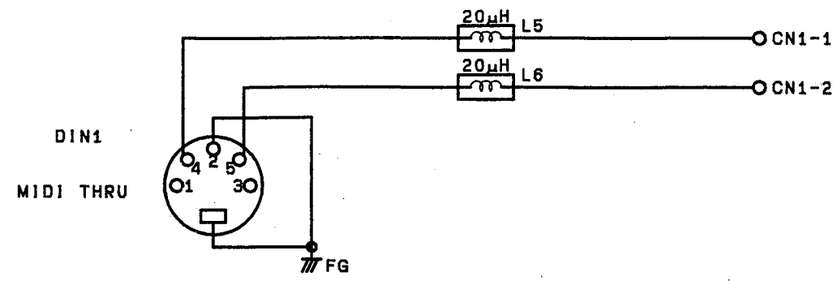
■CRL CIRCUIT DIAGRAM (REMOTE/WCLK/TC)

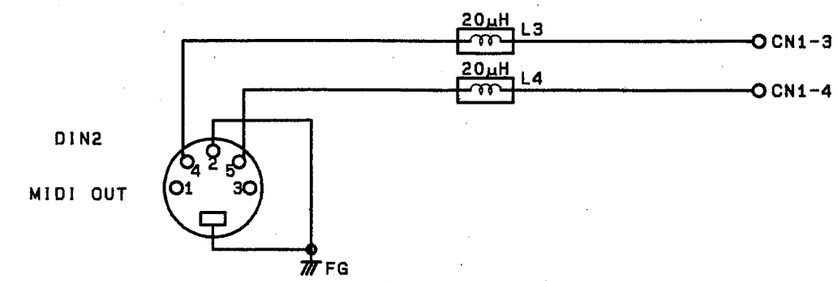


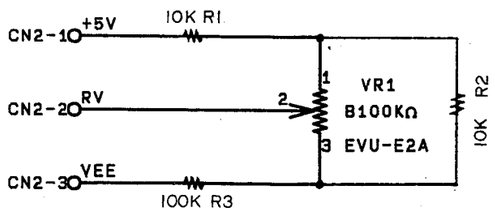
• Bypass capacitors
C4~C12

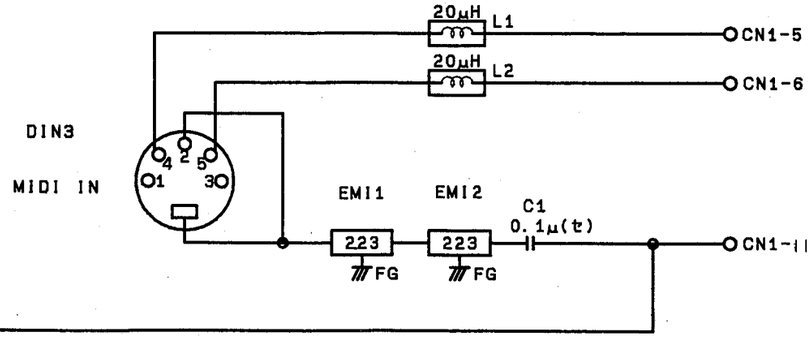
■CRM CIRCUIT DIAGRAM (MIDI/MIDI TC)



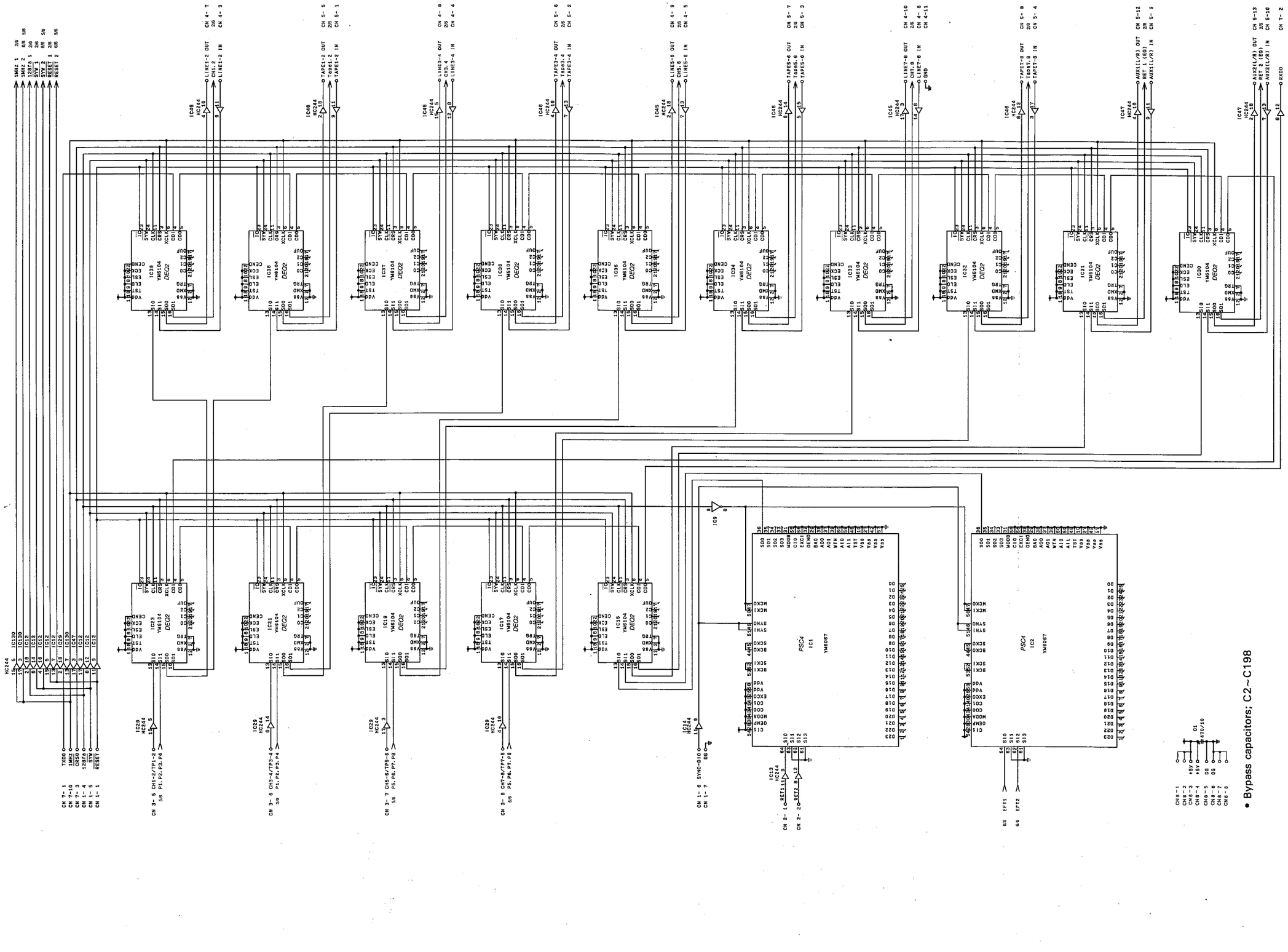






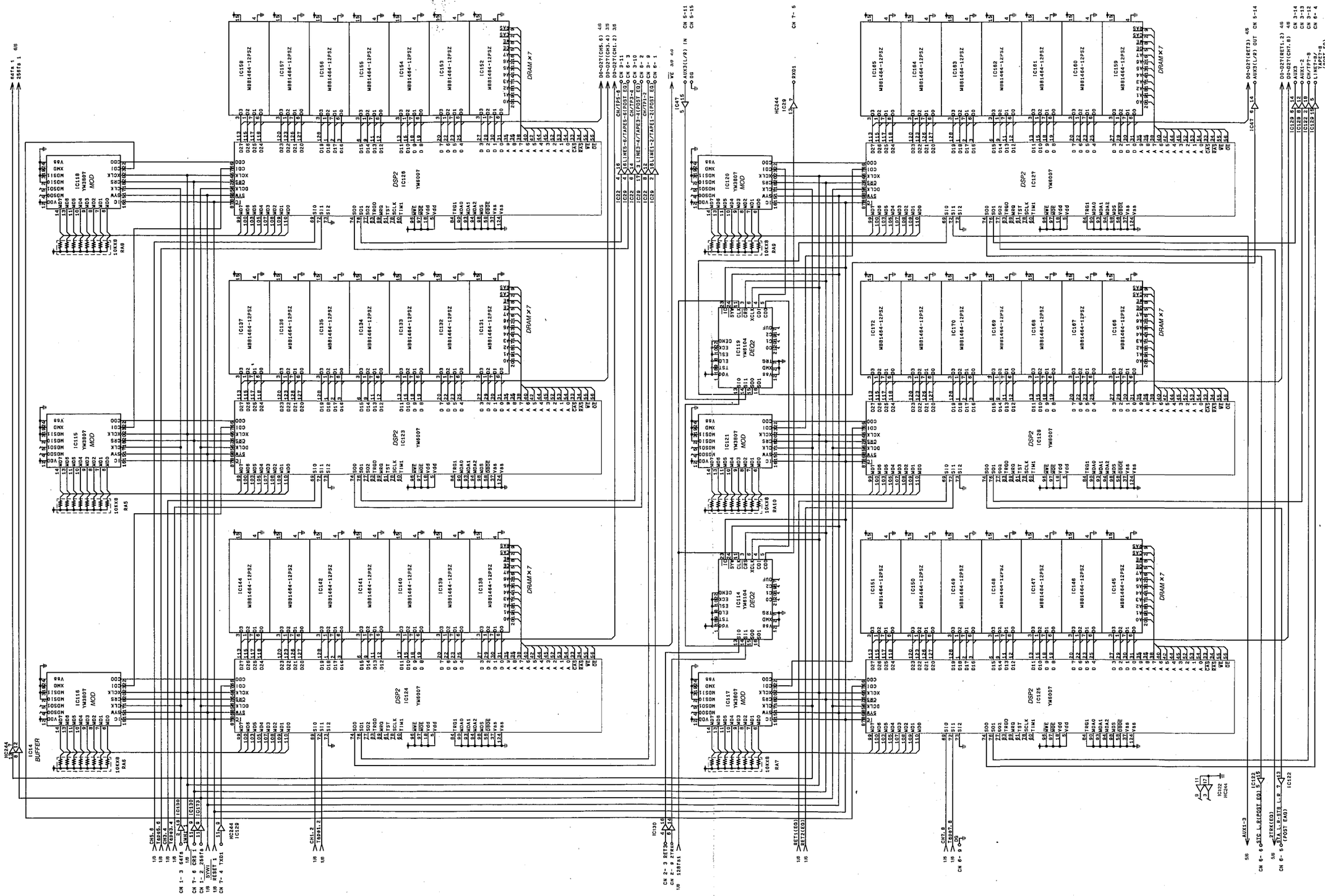


■DSP CIRCUIT DIAGRAM 1/6

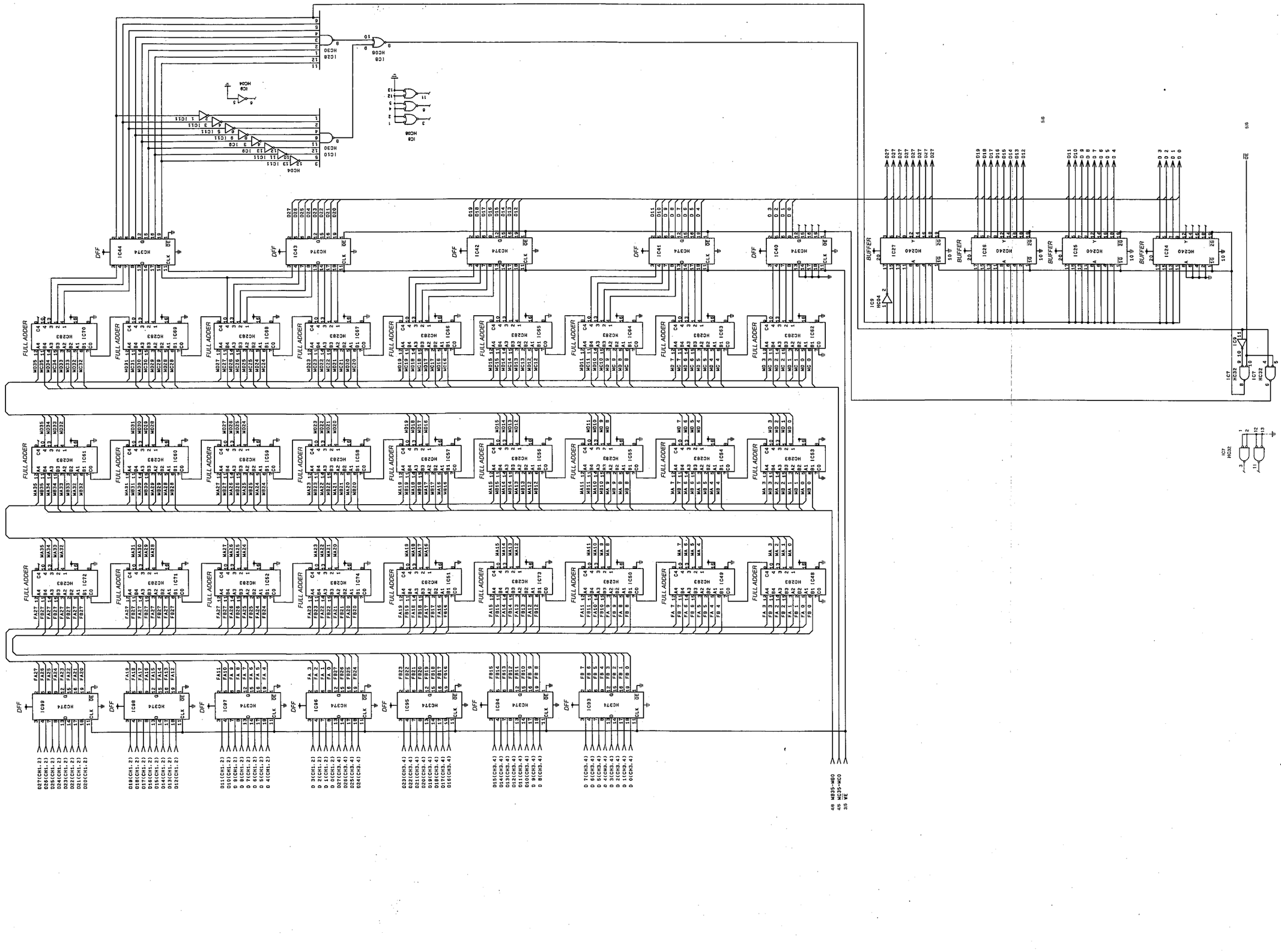


• Bypass capacitors; C2~C198

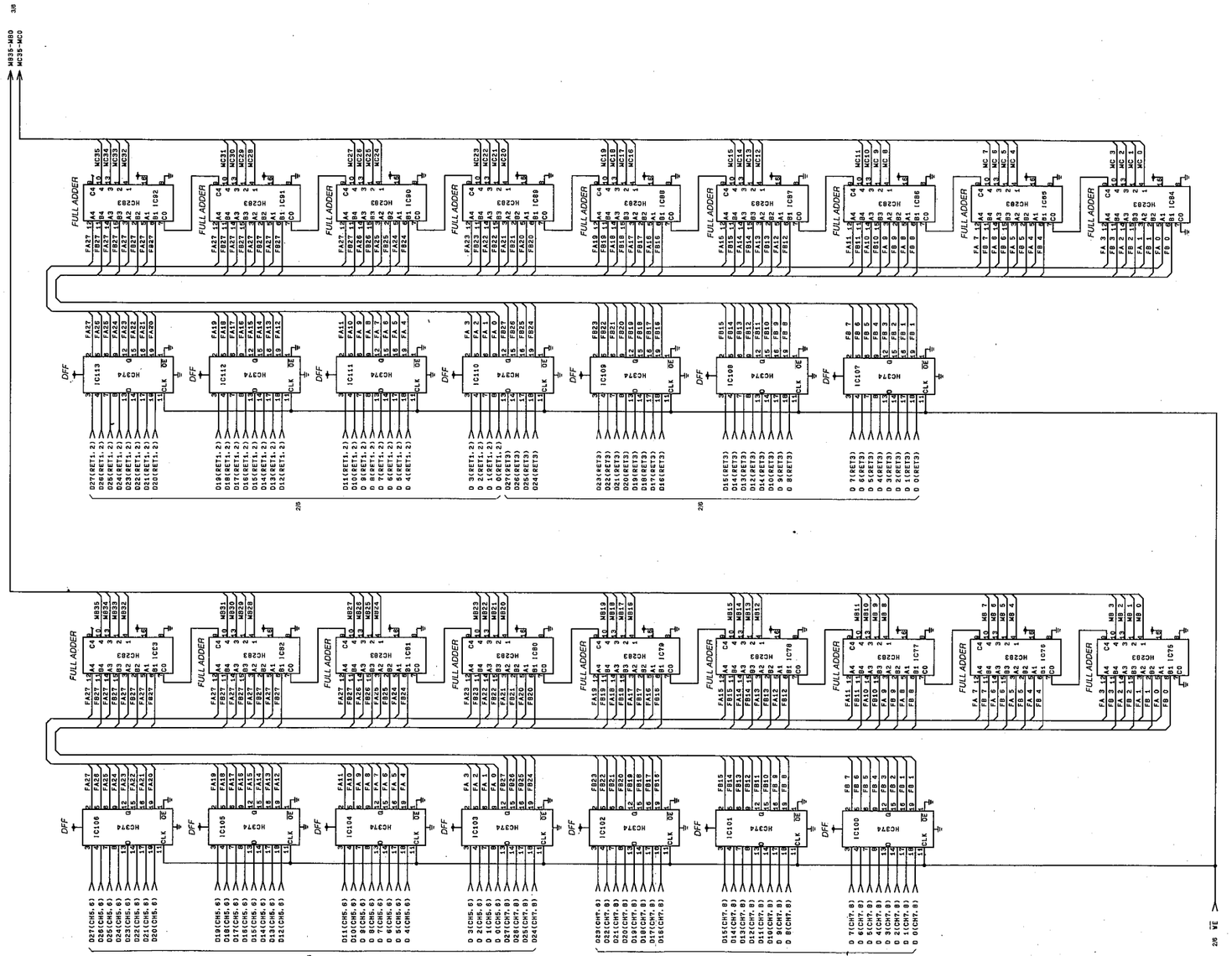
■DSP CIRCUIT DIAGRAM 2/6



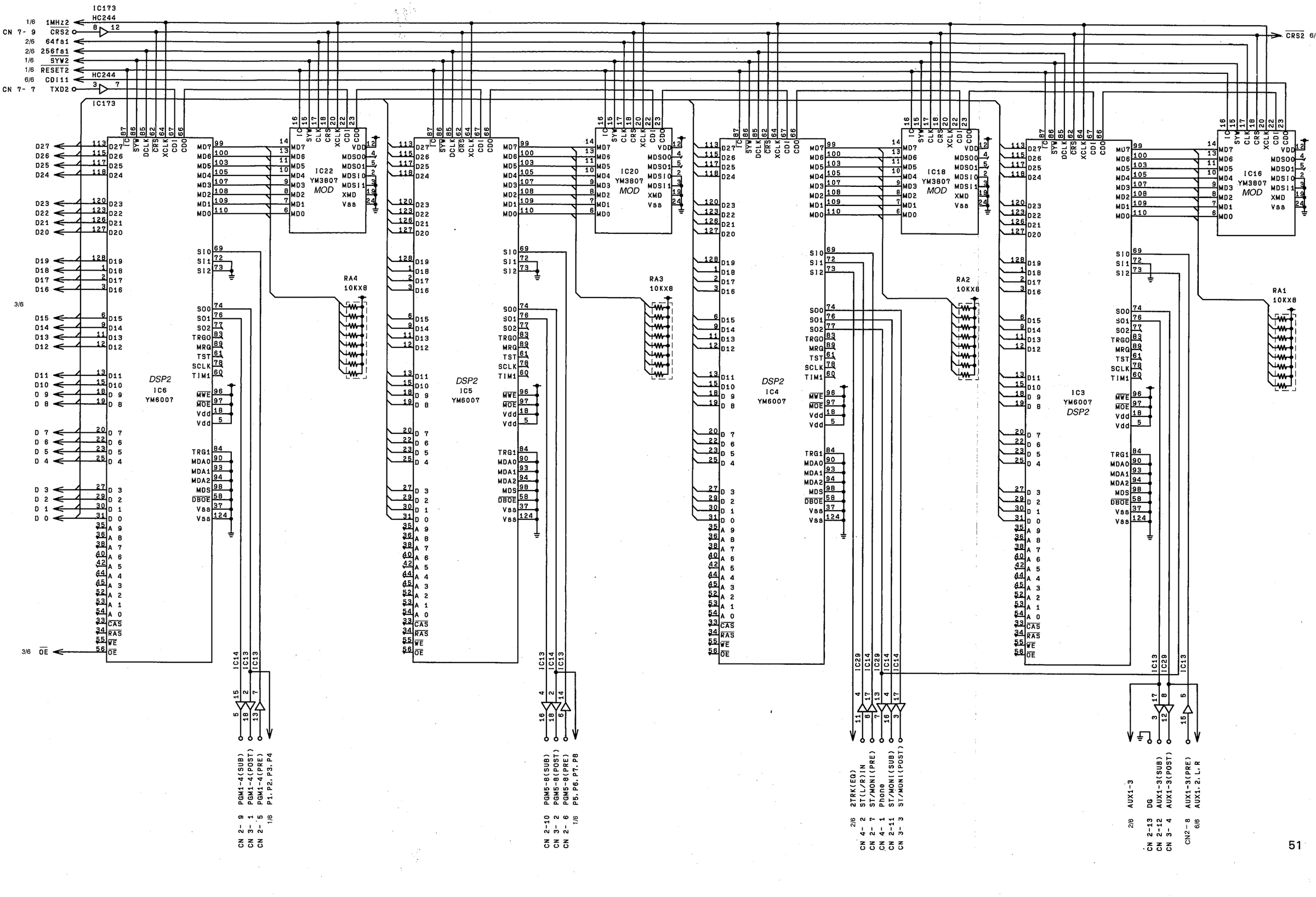
■DSP CIRCUIT DIAGRAM 3/6



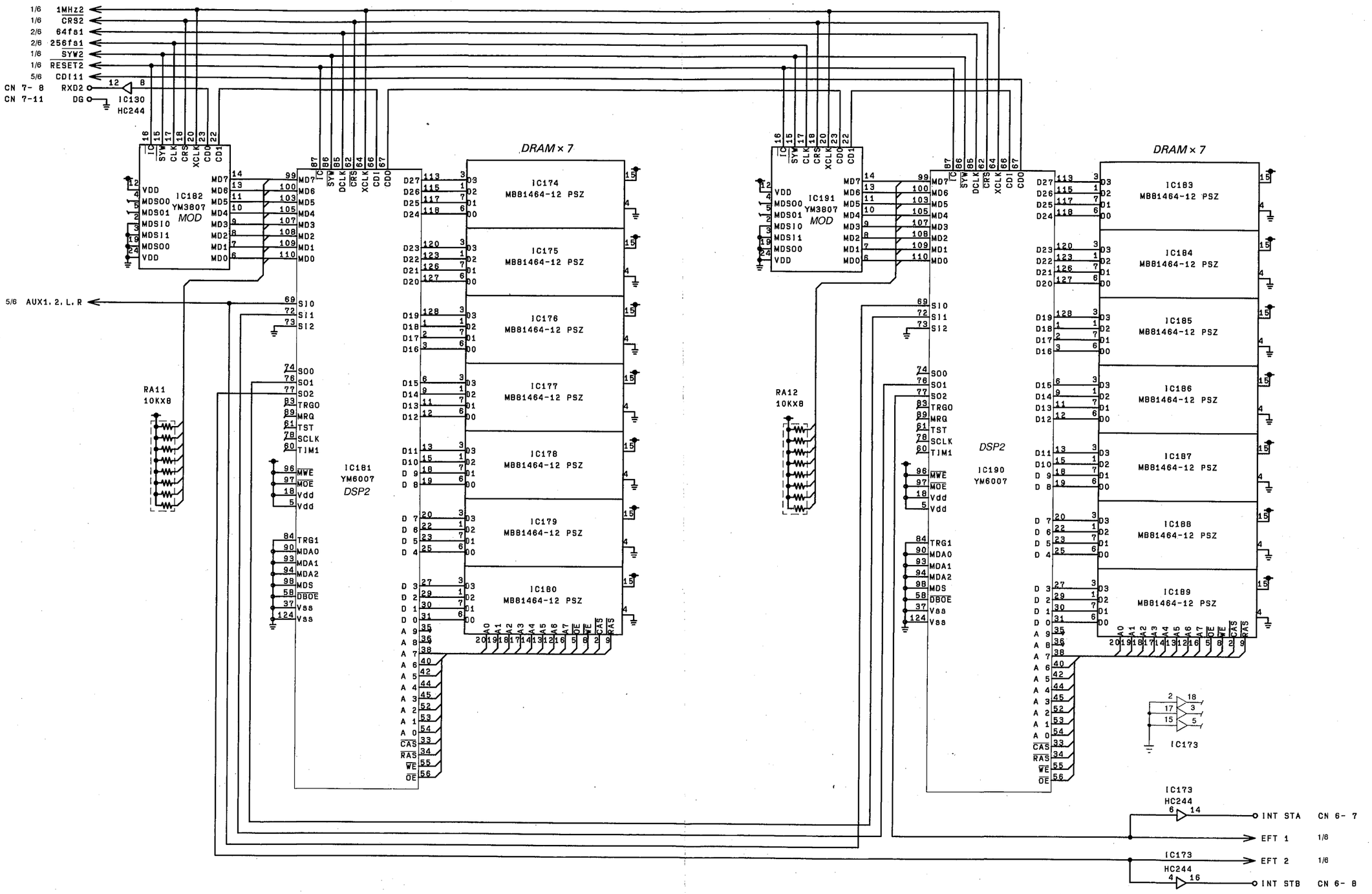
■DSP CIRCUIT DIAGRAM 4/6



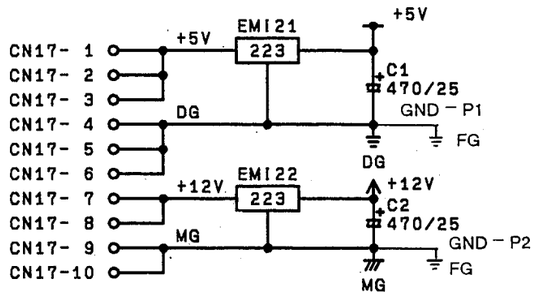
■DSP CIRCUIT DIAGRAM 5/6

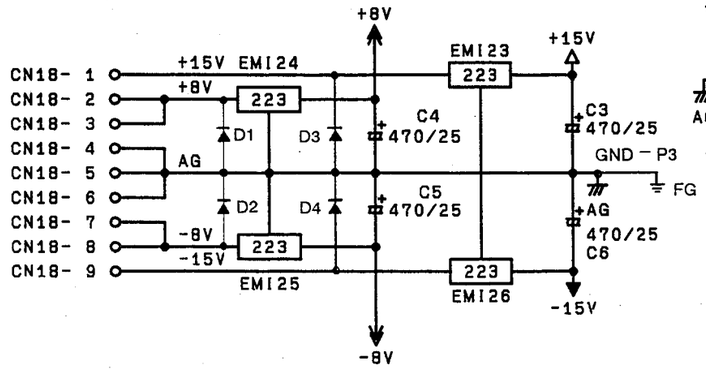


■DSP CIRCUIT DIAGRAM 6/6

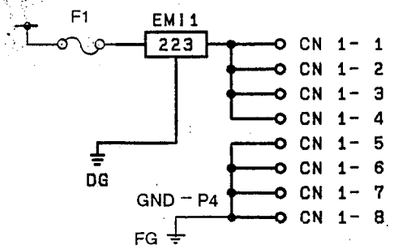


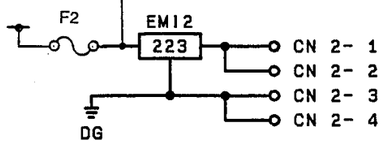
■DTB CIRCUIT DIAGRAM

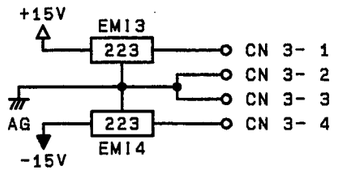


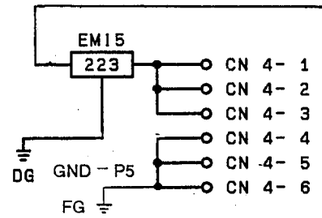


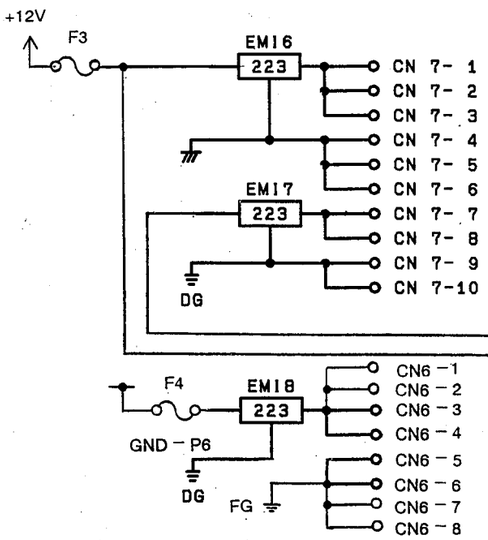
	F1~F3,F5~F7	F4
J	4A 250V	5A 250V
U,C	UL 3.15A 250V	UL 5A 250V
H,B	S T3.15A 250V	S T5A 250V

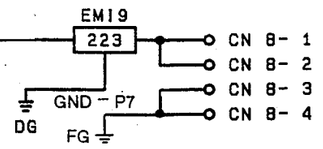


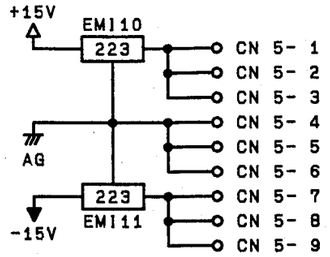


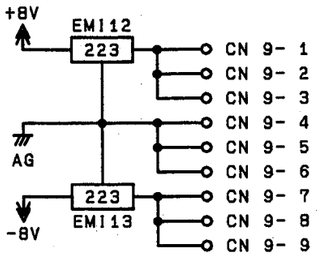


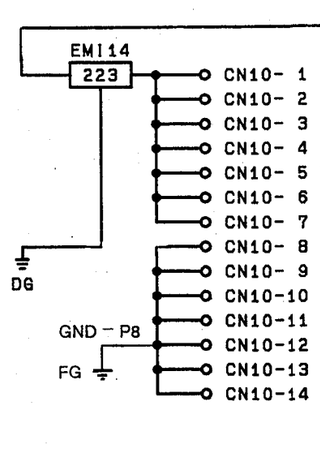


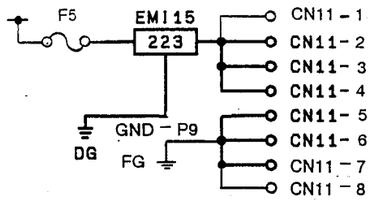


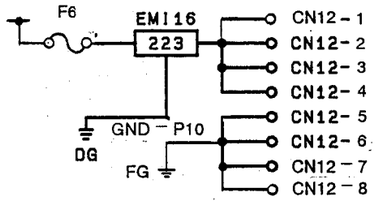


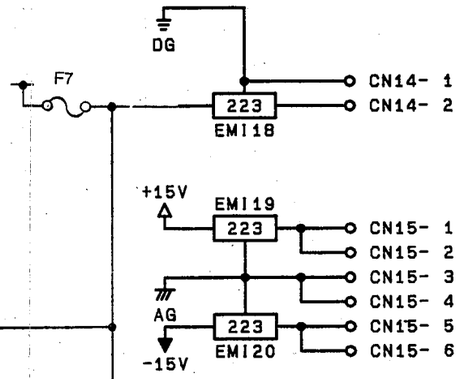


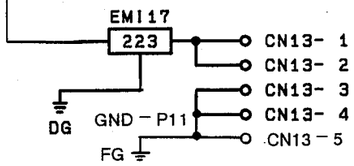


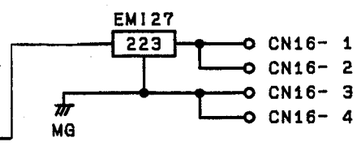




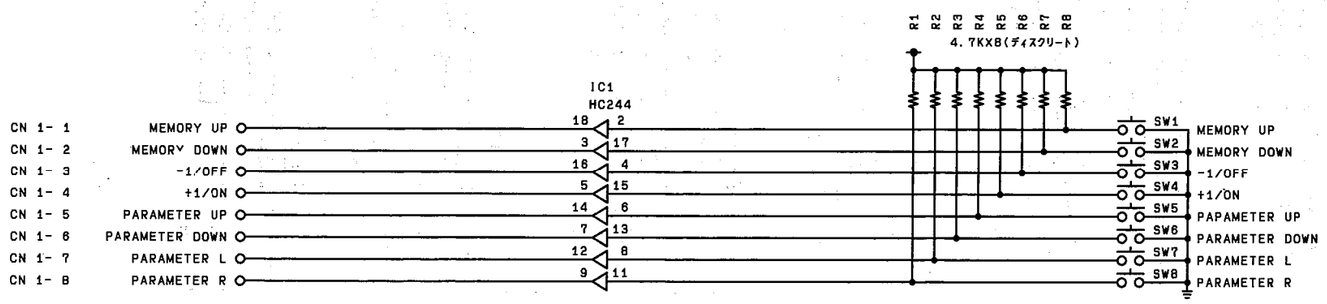


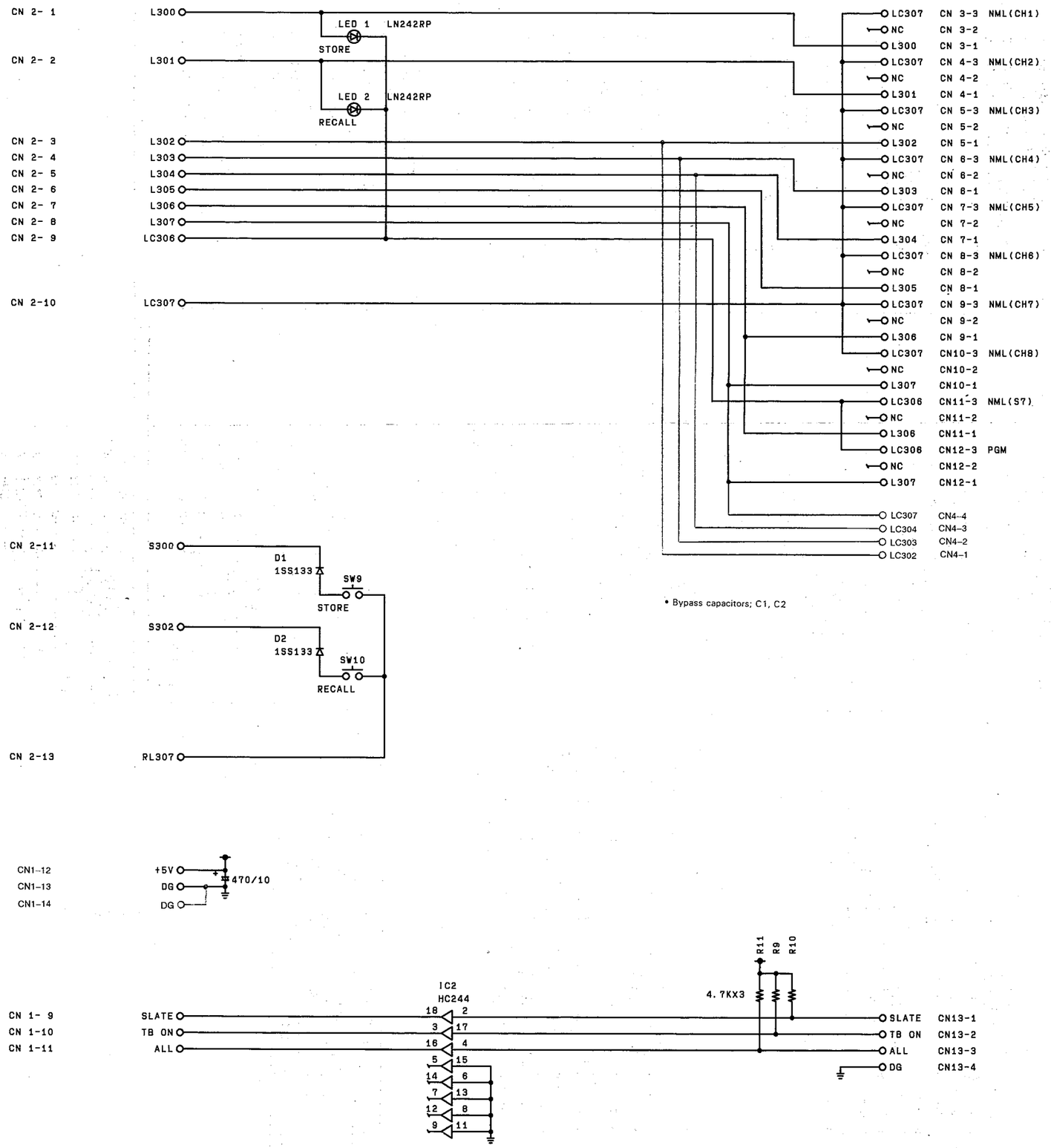






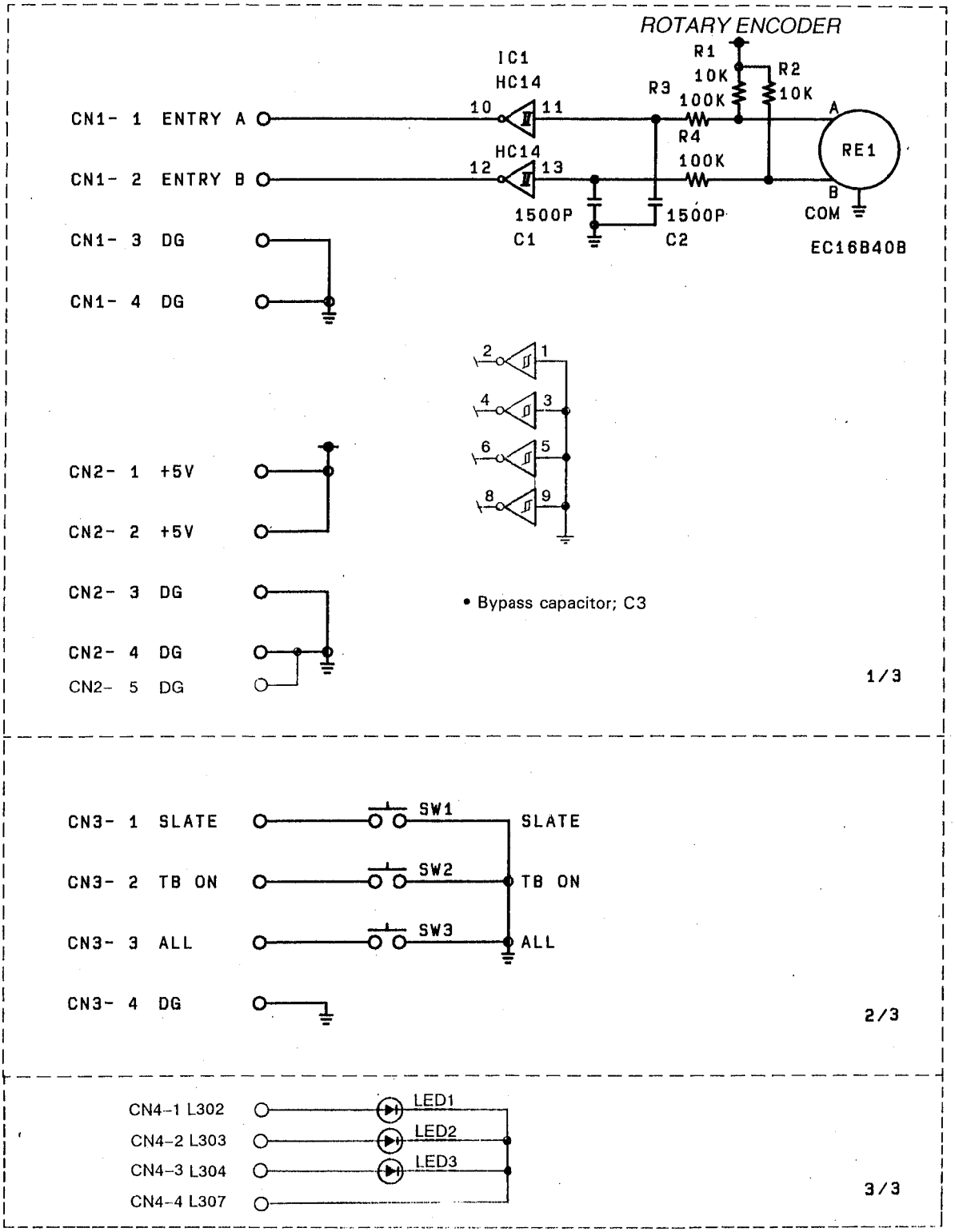
■FPC CIRCUIT DIAGRAM



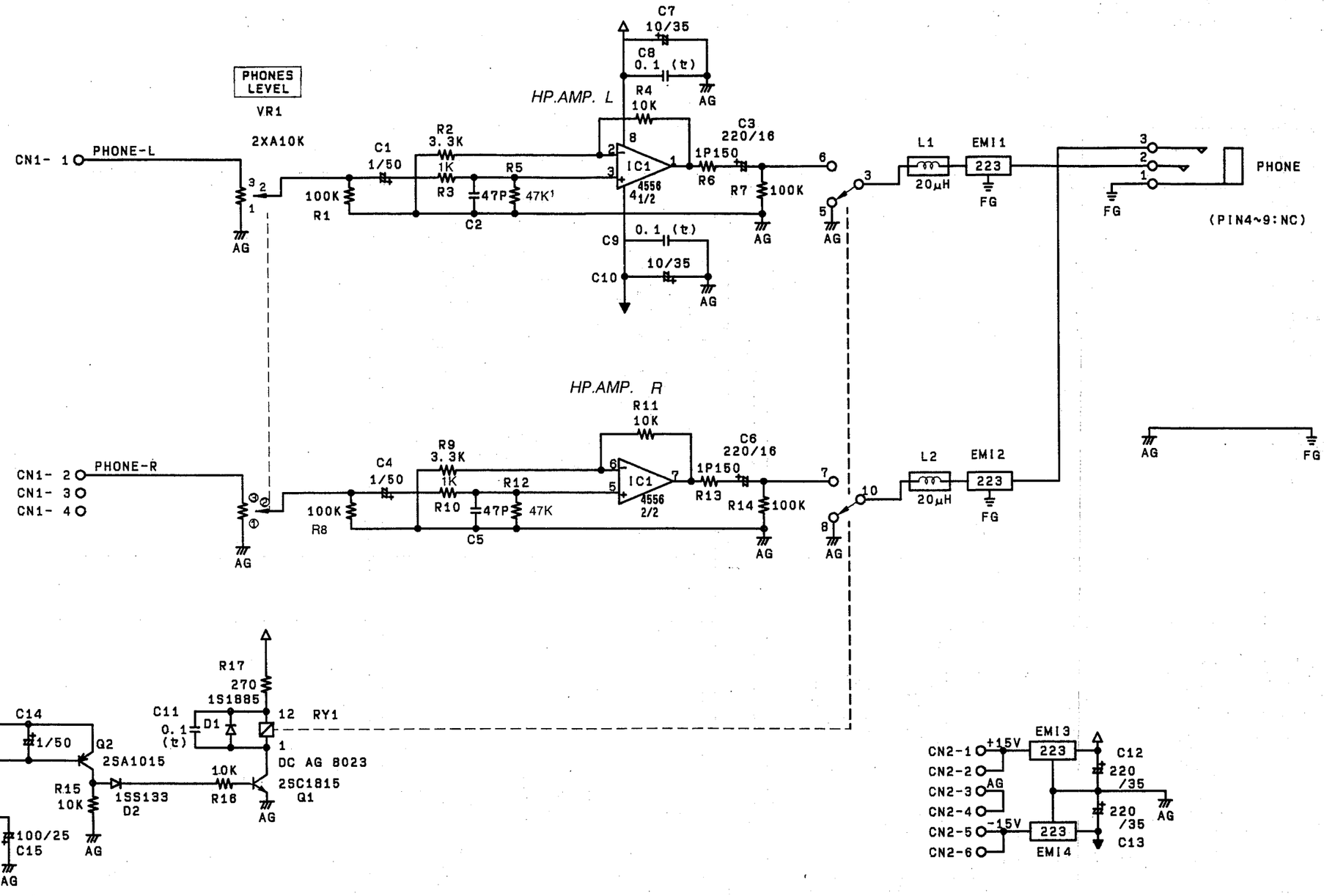


• Bypass capacitors; C1, C2

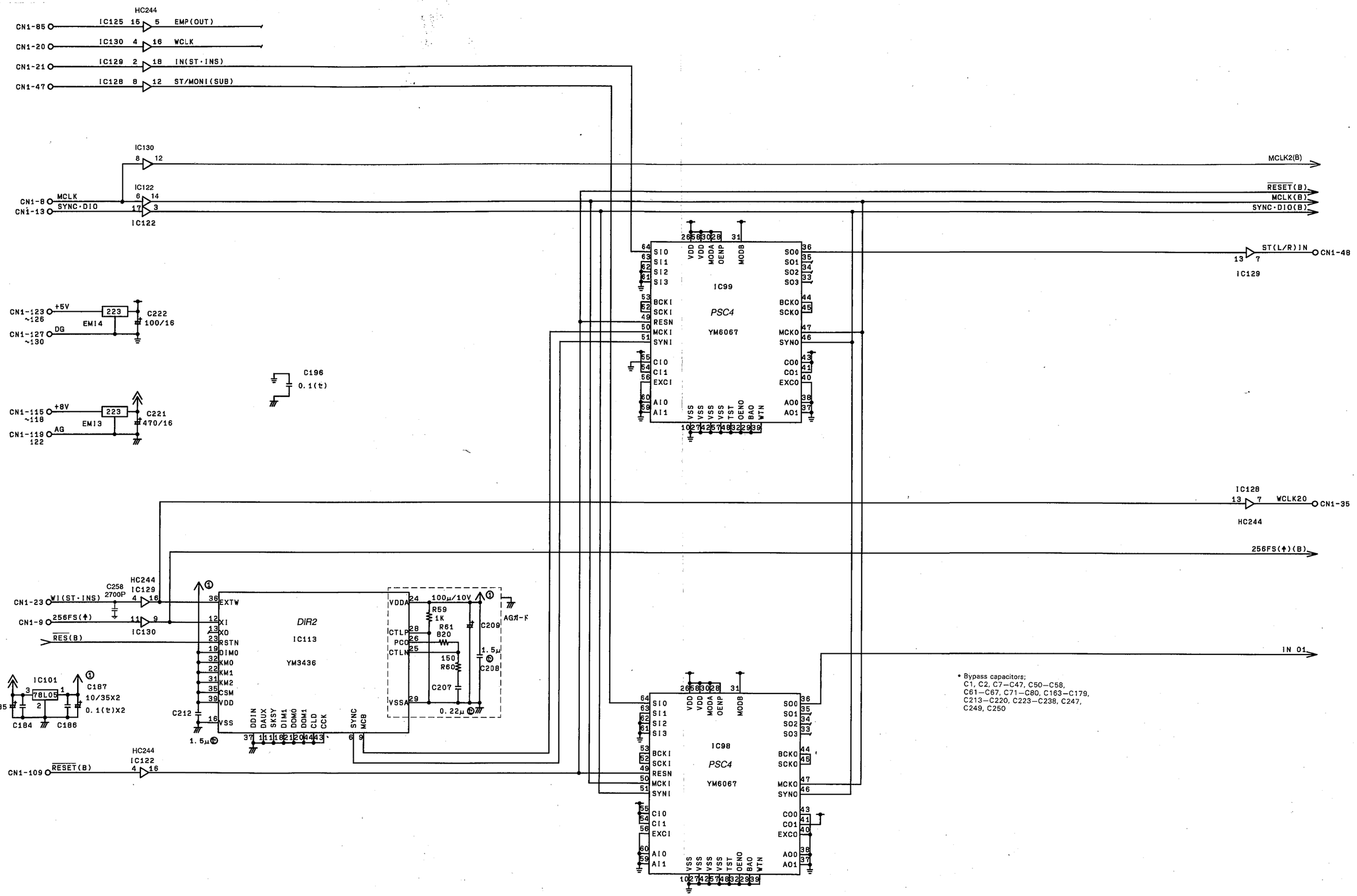
■FPE CIRCUIT DIAGRAM



■HP CIRCUIT DIAGRAM

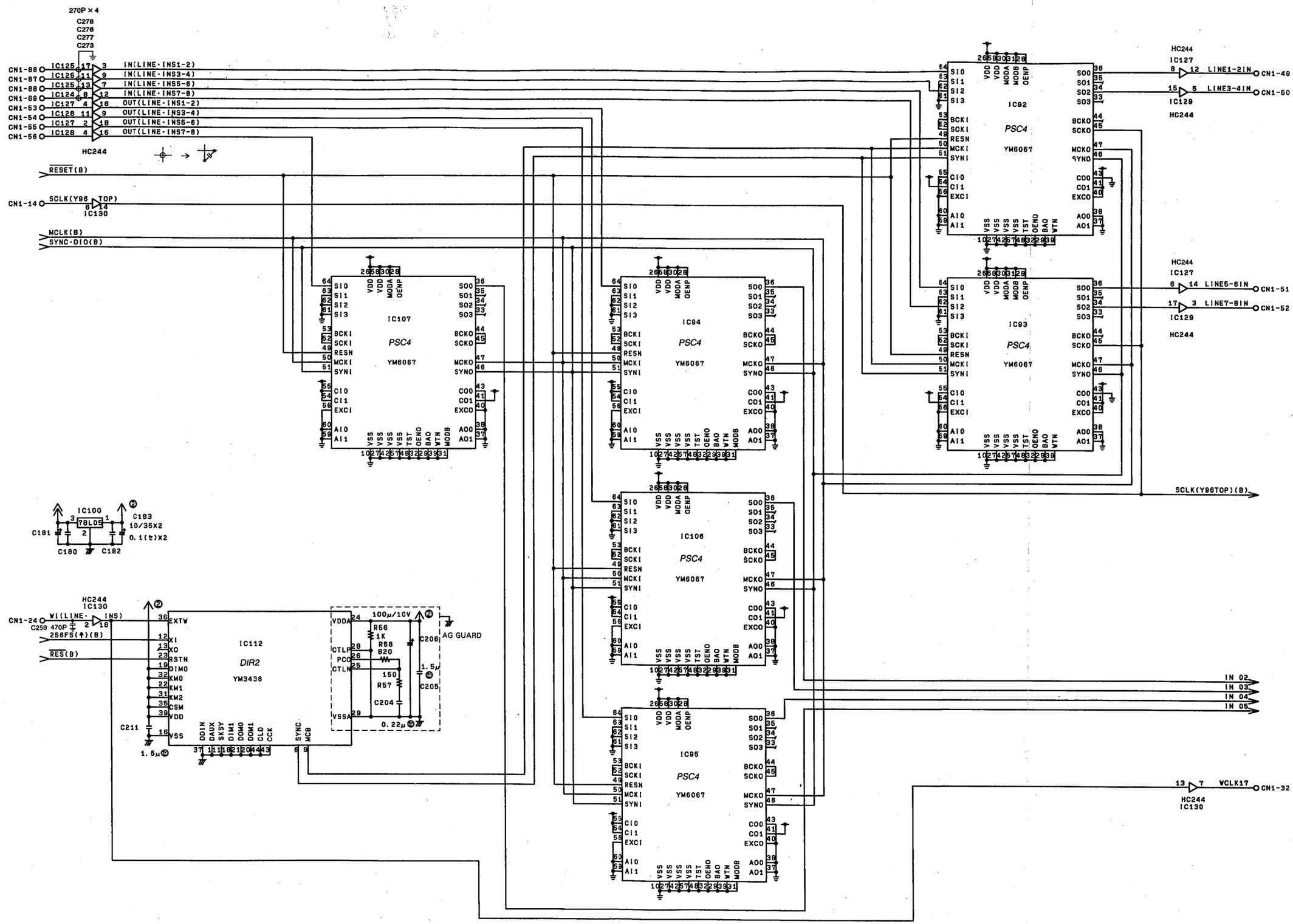


■IN 1/2 CIRCUIT DIAGRAM 1/5 (STEREO INSERT)

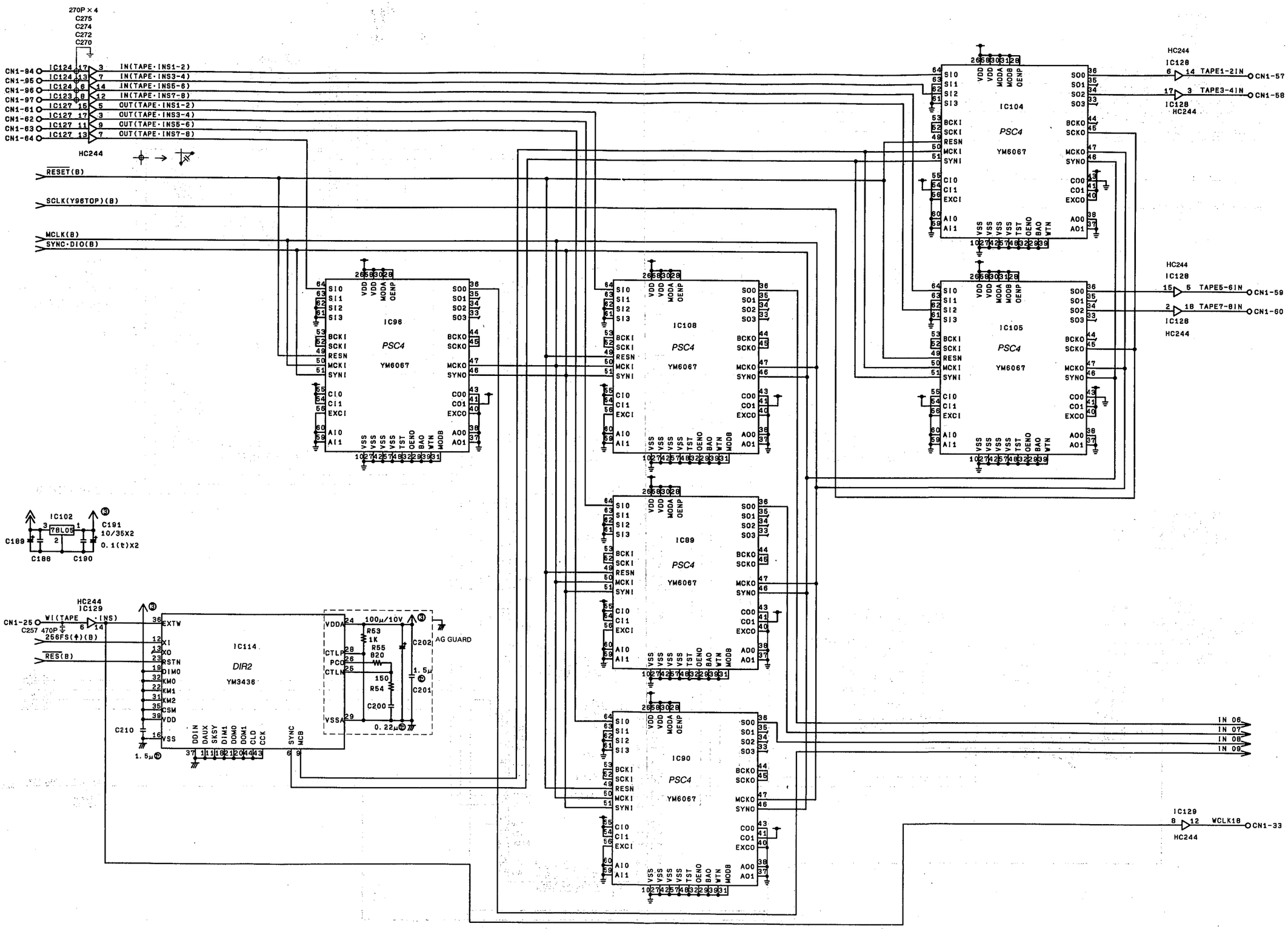


• Bypass capacitors;
C1, C2, C7—C47, C50—C58,
C61—C67, C71—C80, C163—C179,
C213—C220, C223—C238, C247,
C249, C250

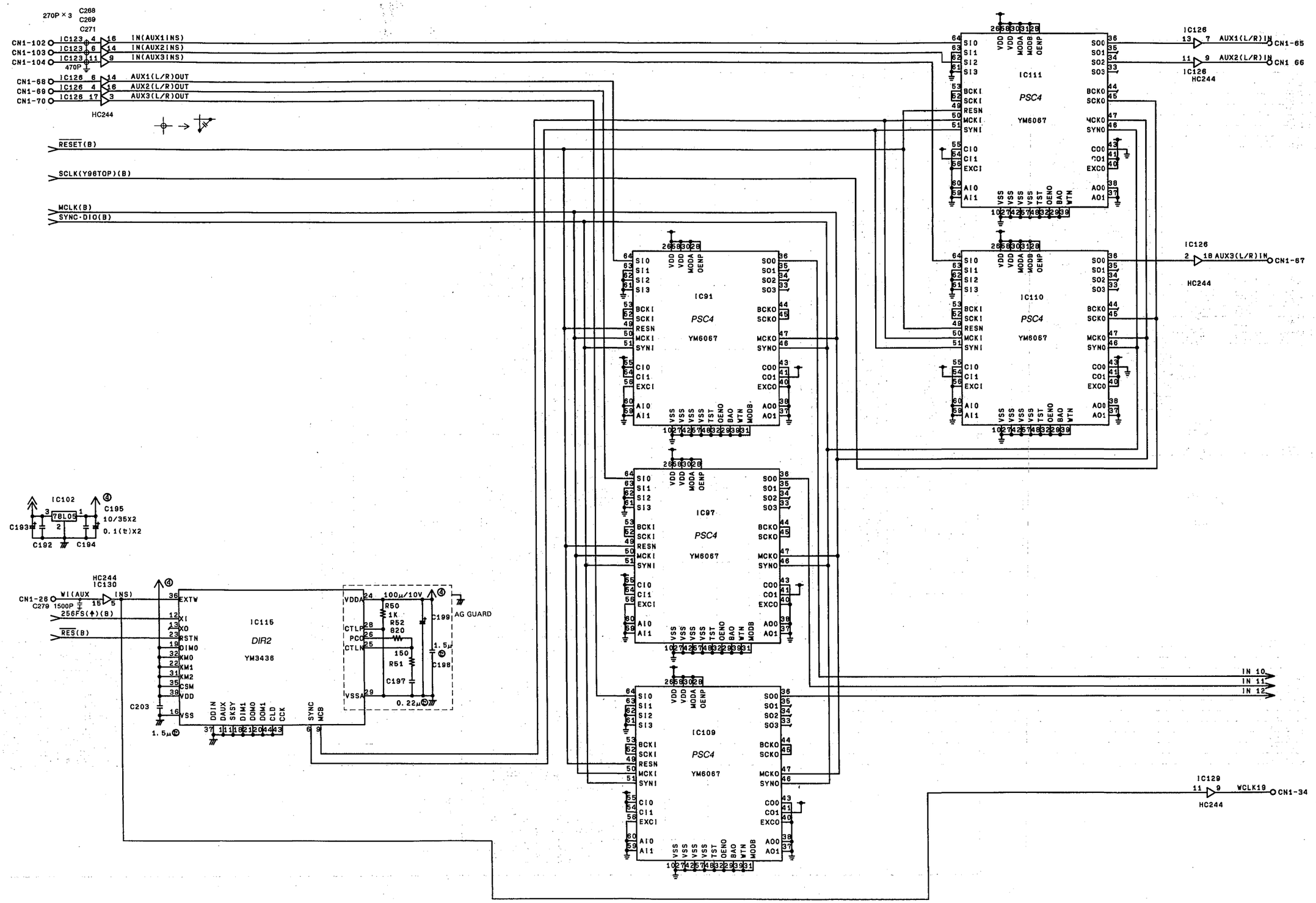
■IN 1/2 CIRCUIT DIAGRAM 2/5 (INSERT(LINE))



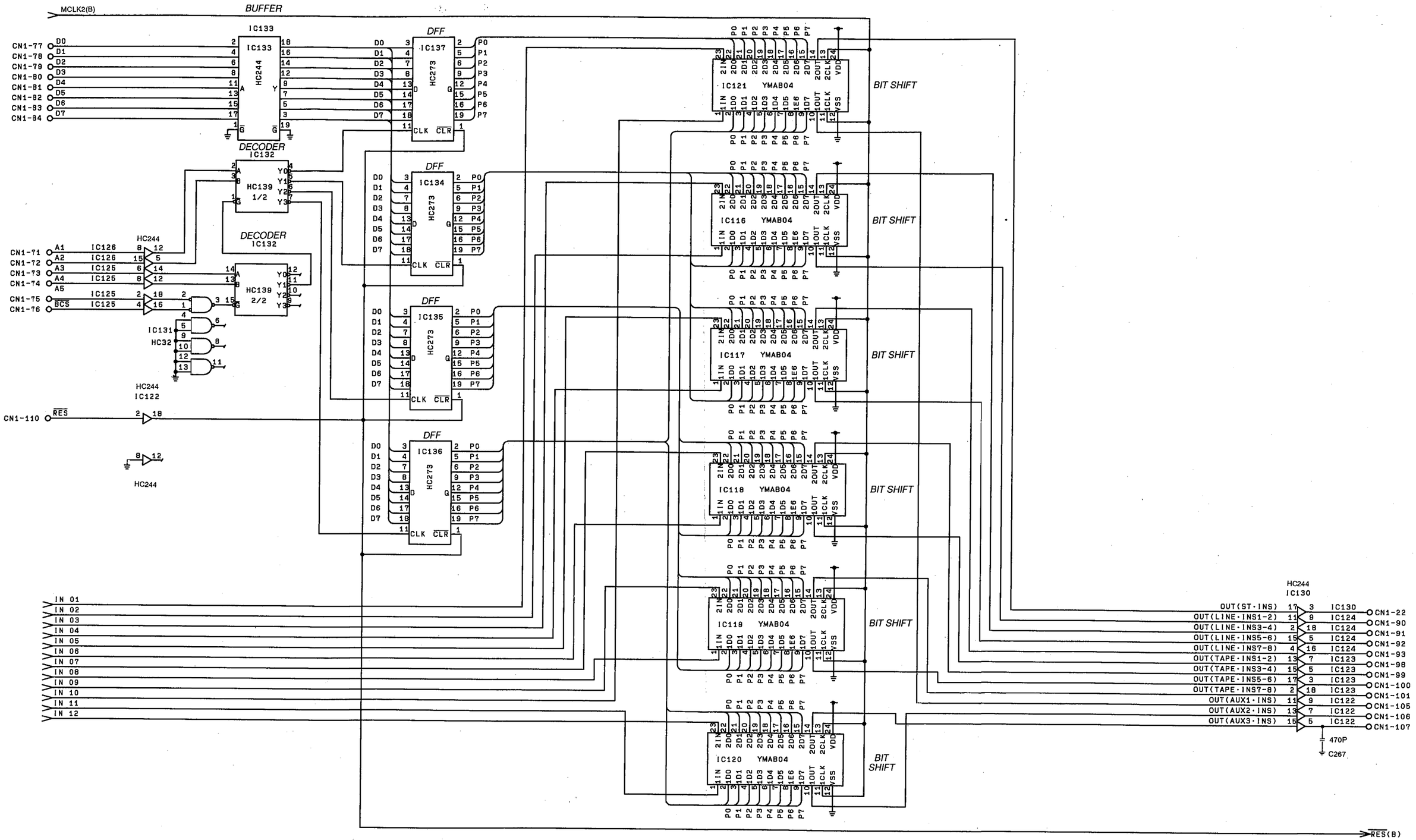
■IN 1/2 CIRCUIT DIAGRAM 3/5 (INSERT(TAPE))



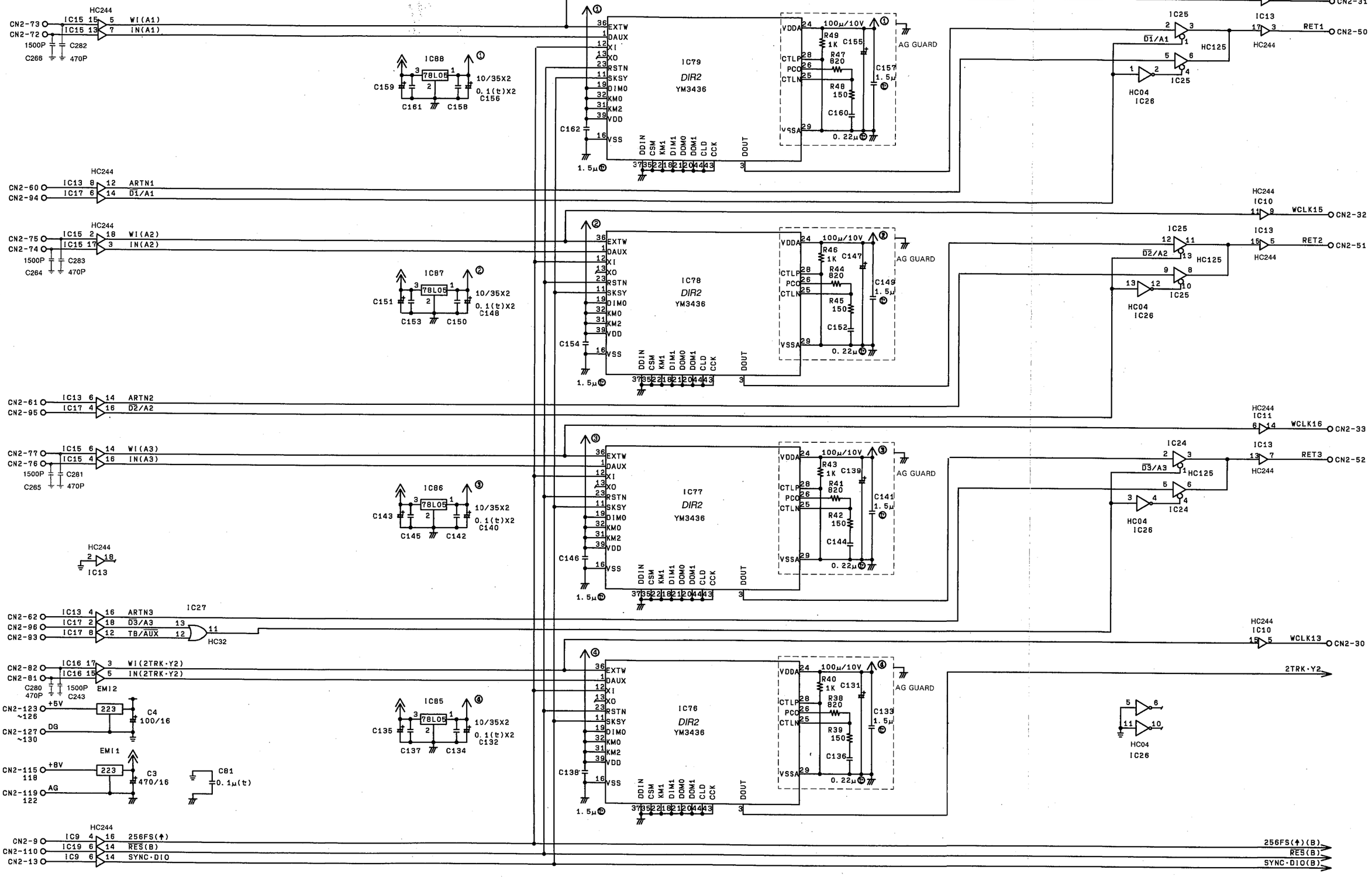
■IN 1/2 CIRCUIT DIAGRAM 4/5 (INSERT(AUX))



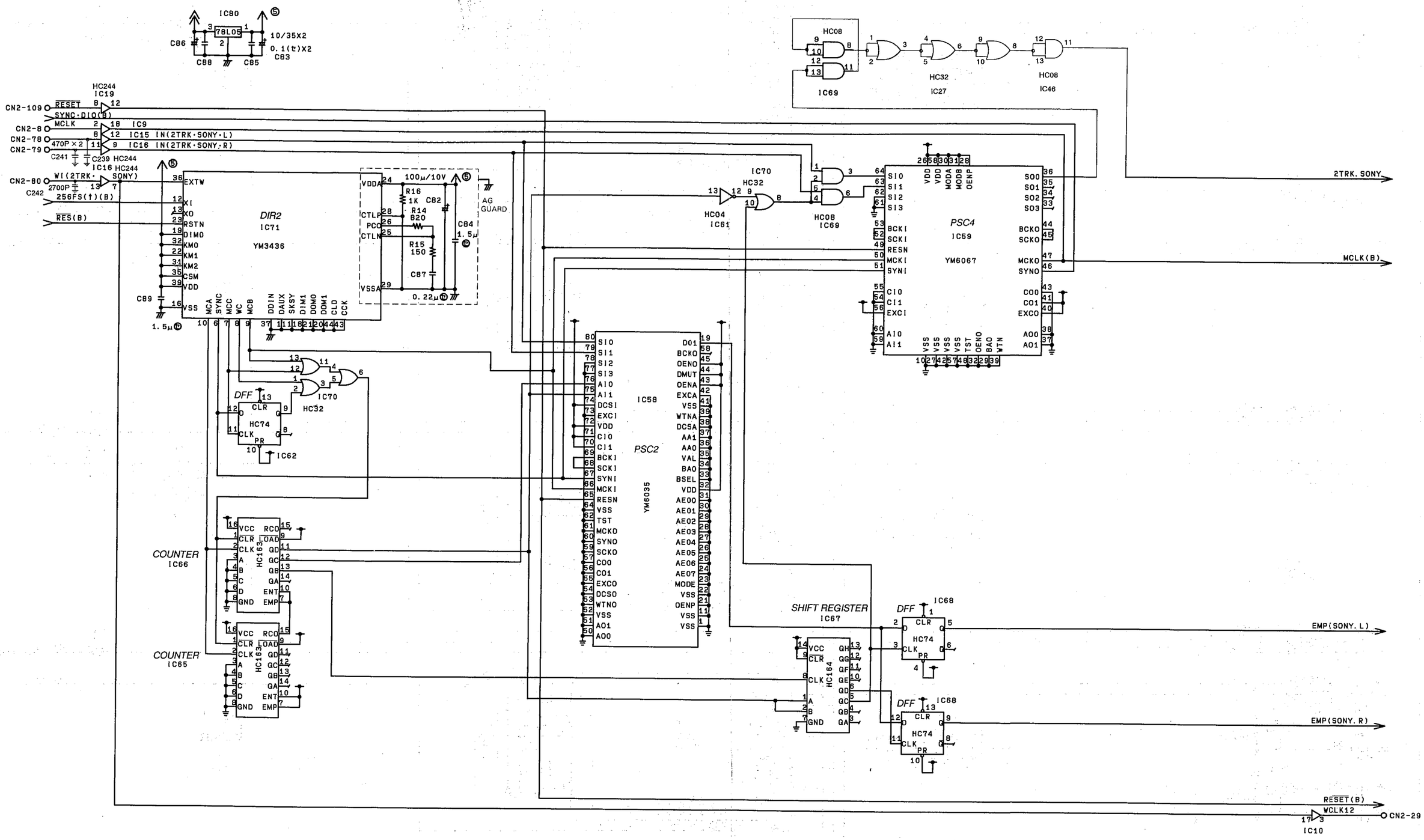
■IN 1/2 CIRCUIT DIAGRAM 5/5 (BIT SHIFT)



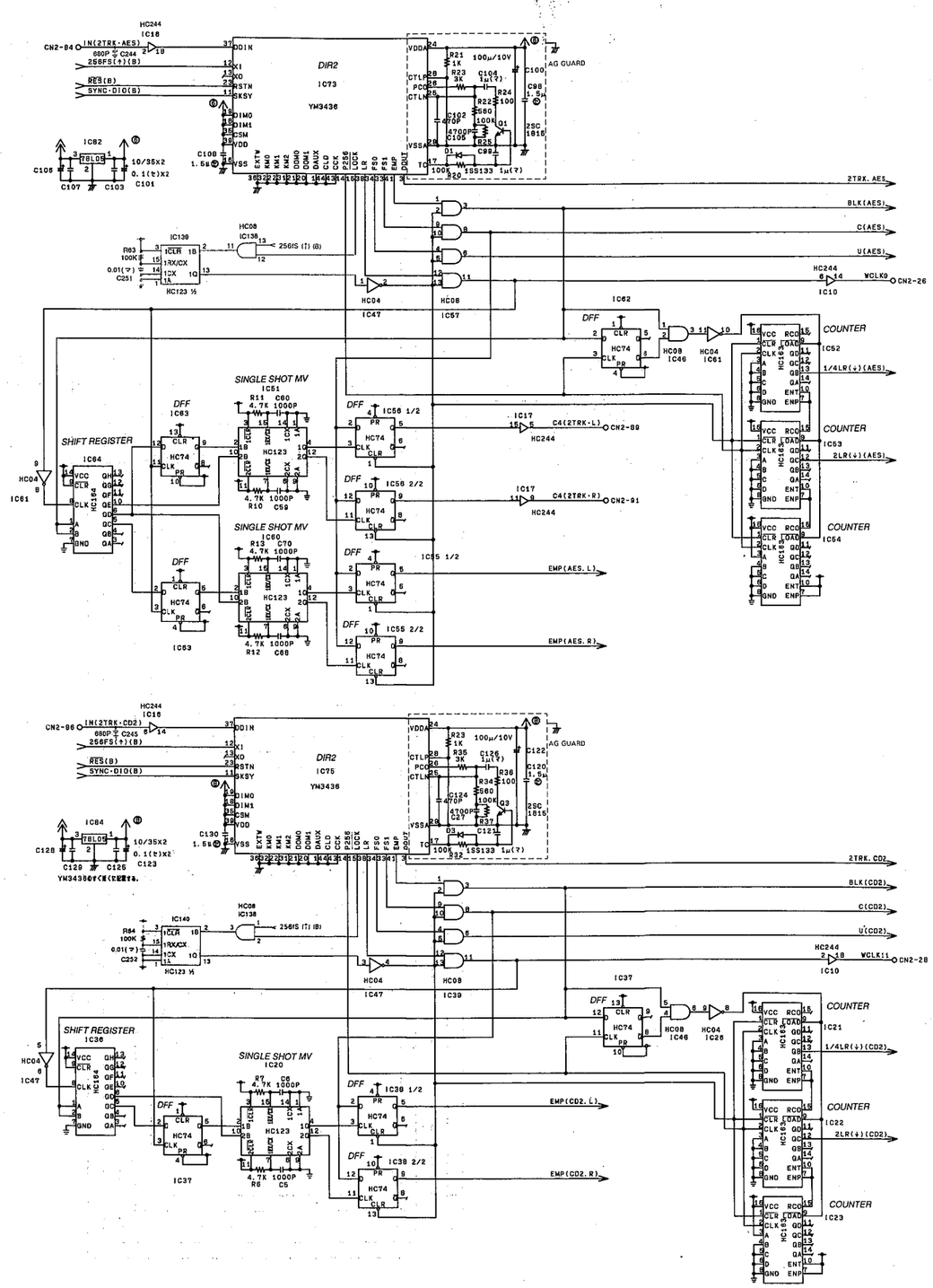
■IN 2/2 CIRCUIT DIAGRAM 1/6 (AUX RTN/2TRK(Y2))



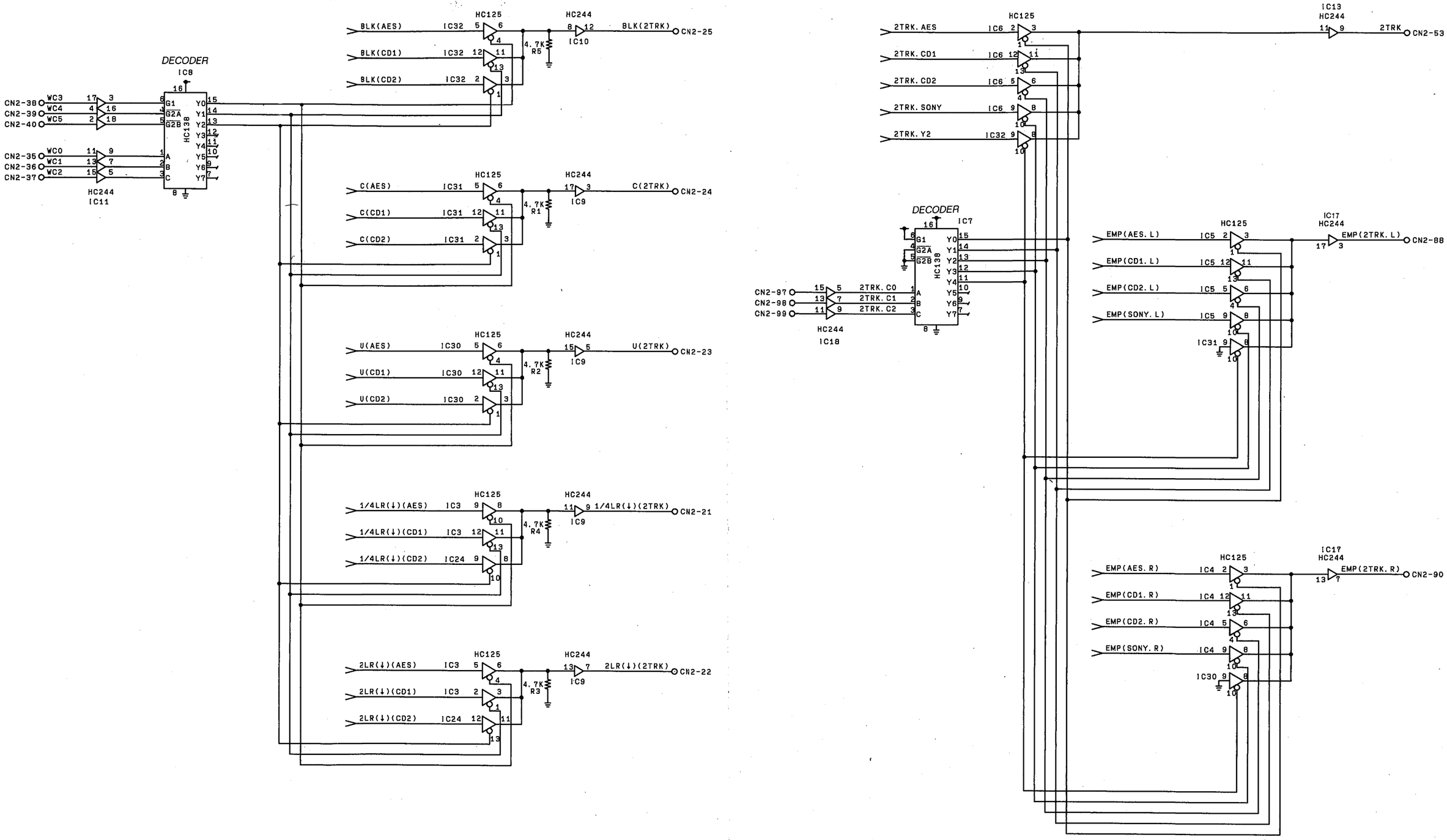
■IN 2/2 CIRCUIT DIAGRAM 2/6 (2TRK(SONY))



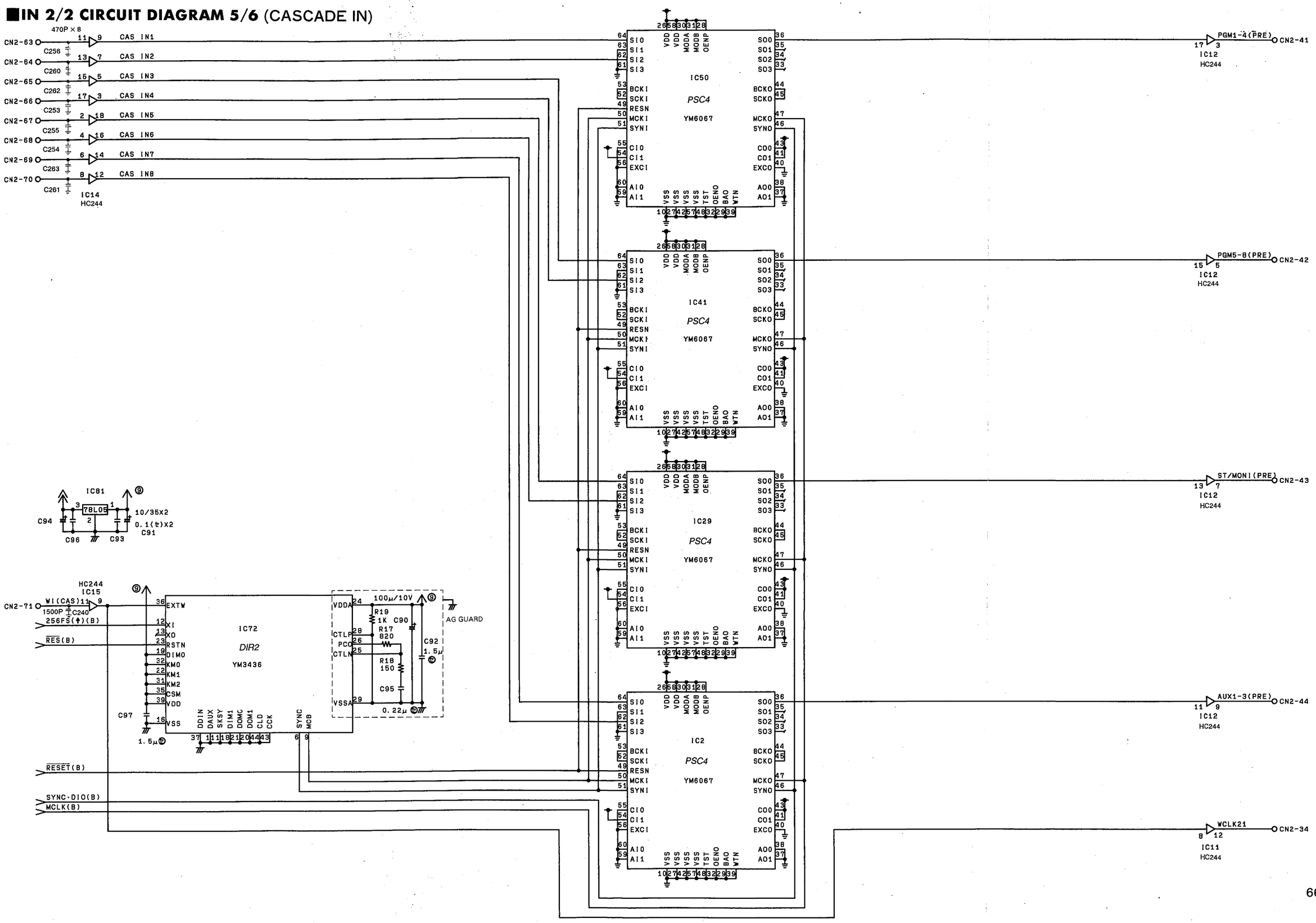
■IN 2/2 CIRCUIT DIAGRAM 3/6 (2TRK(AES))



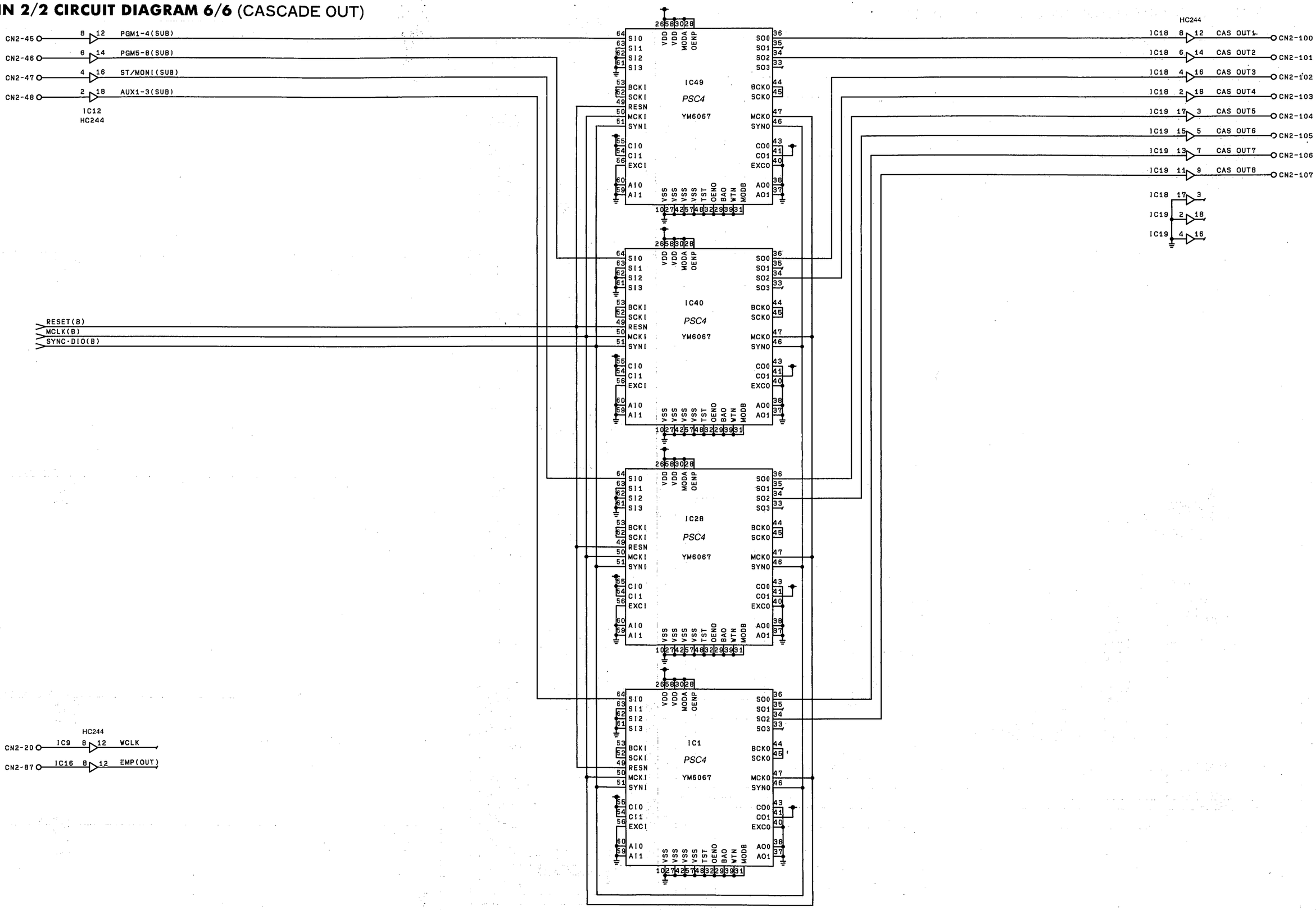
■IN 2/2 CIRCUIT DIAGRAM 4/6 (2TRK(SEL))



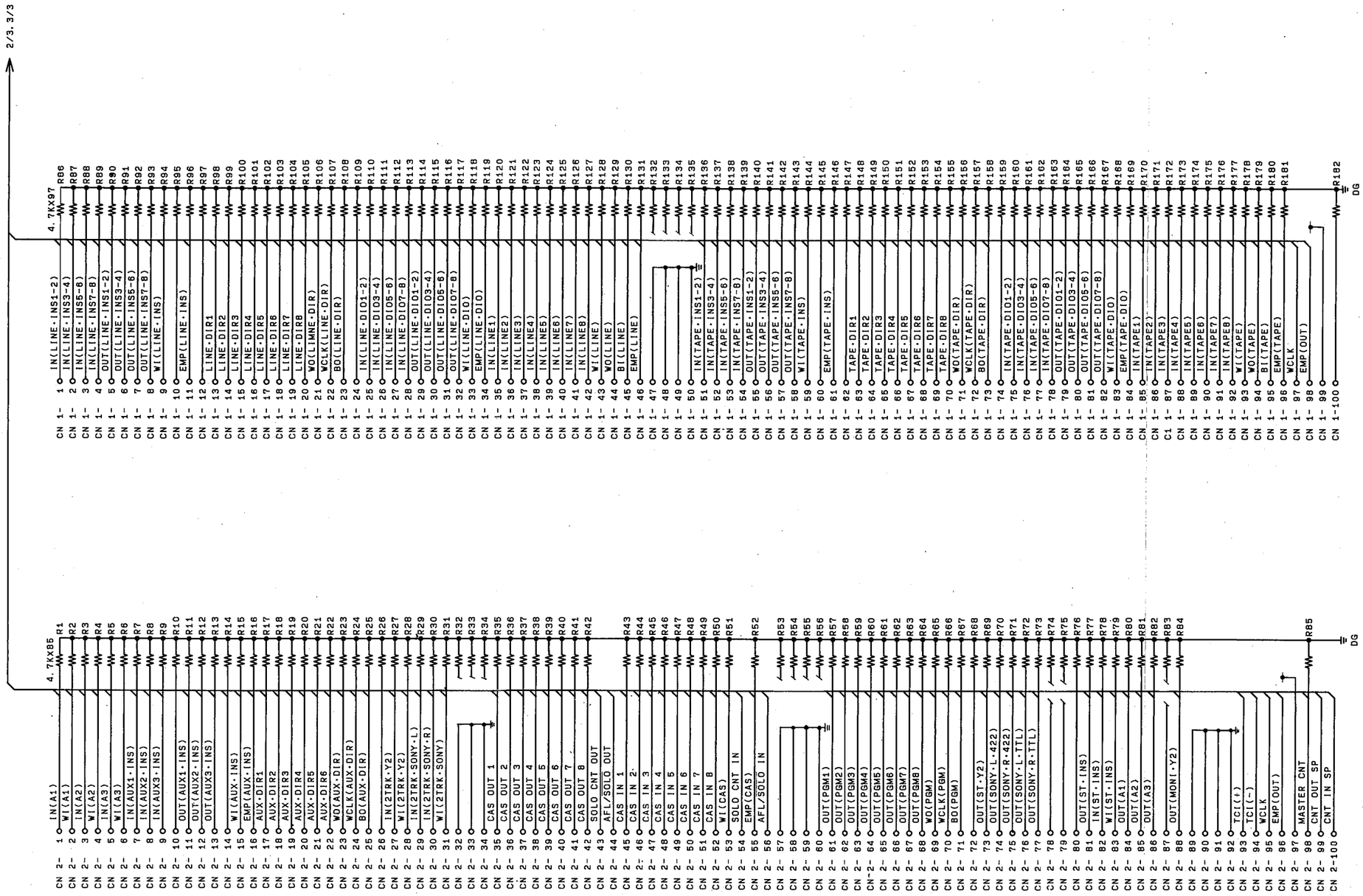
■IN 2/2 CIRCUIT DIAGRAM 5/6 (CASCADE IN)



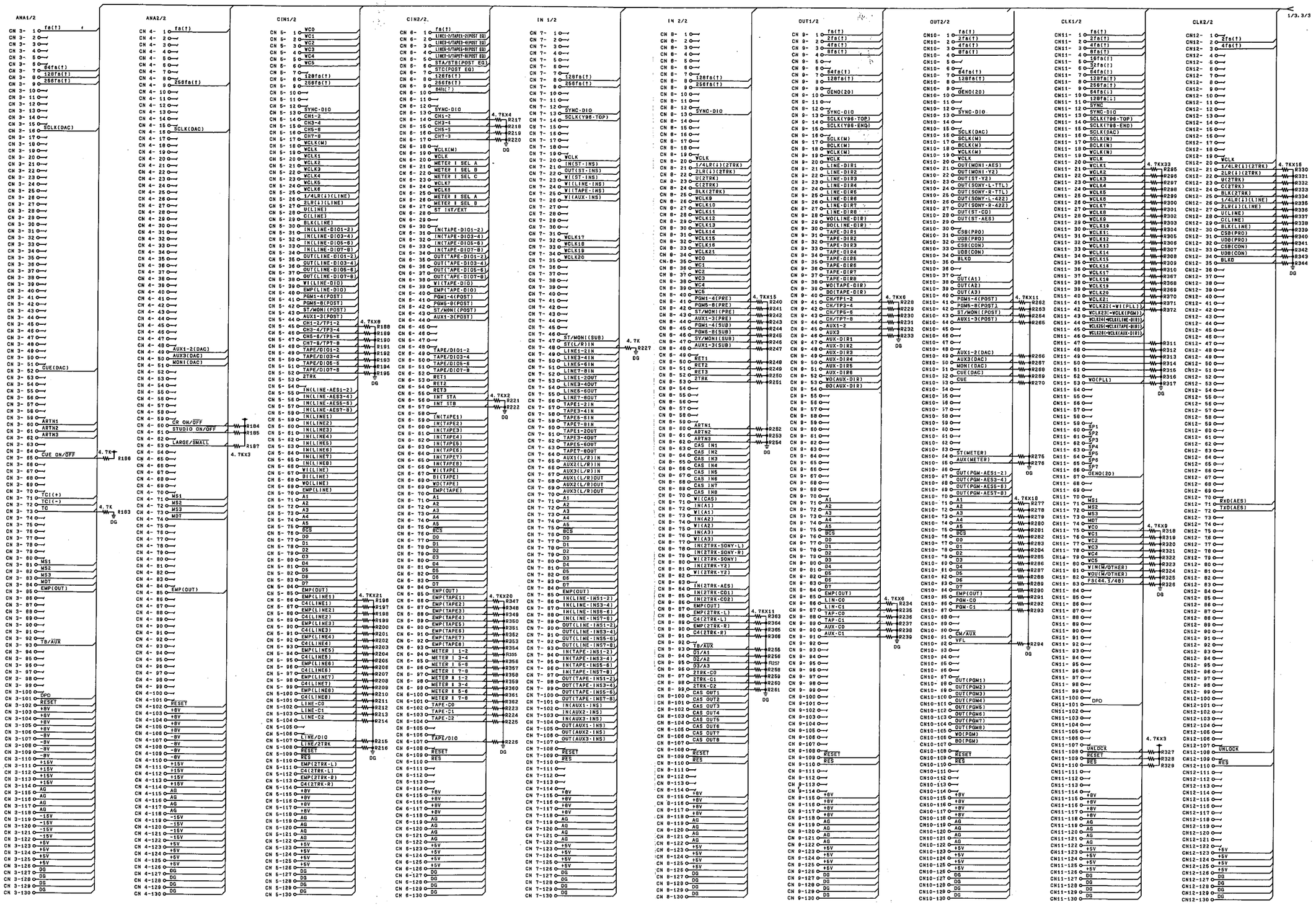
■IN 2/2 CIRCUIT DIAGRAM 6/6 (CASCADE OUT)



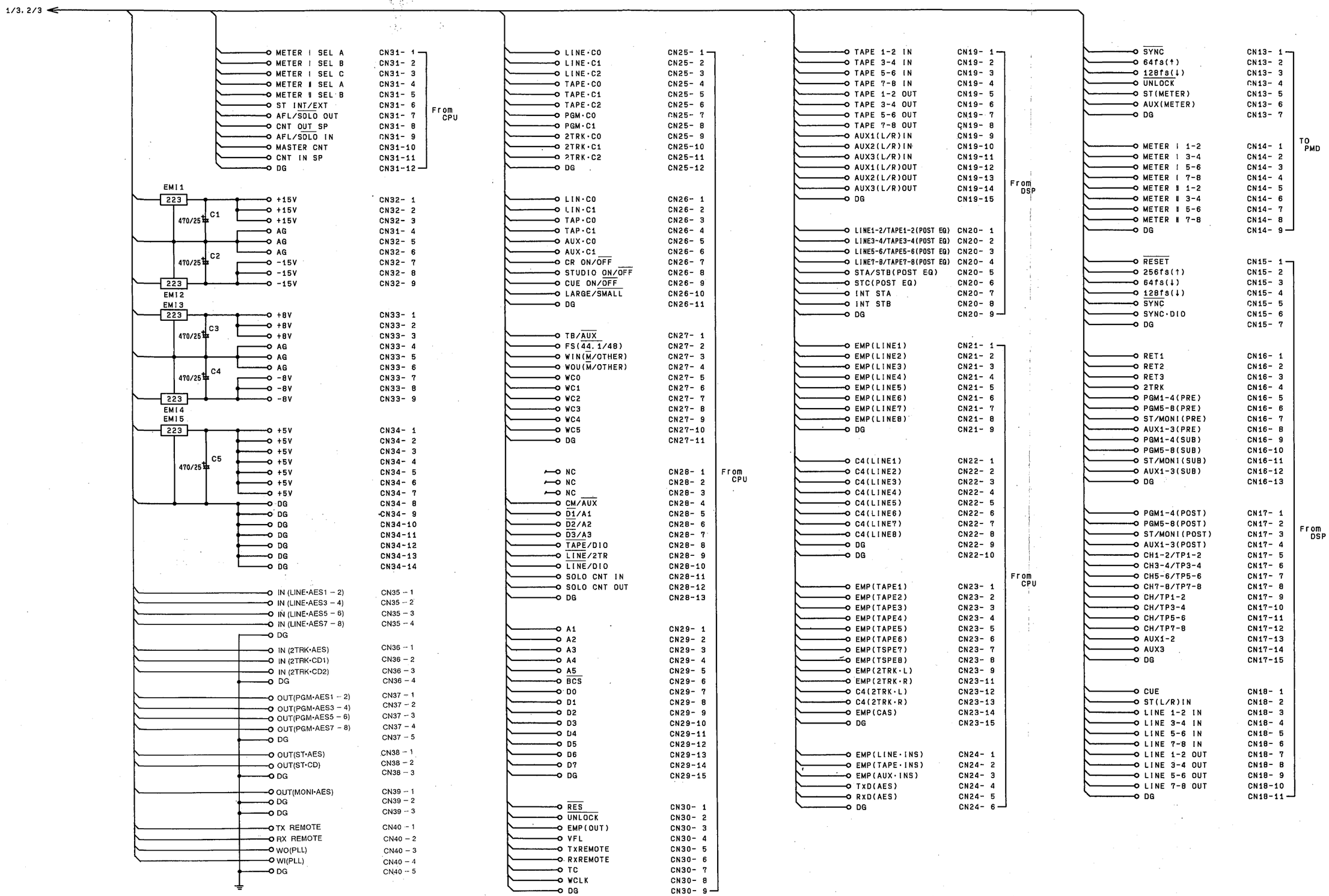
■MBD CIRCUIT DIAGRAM 1/3



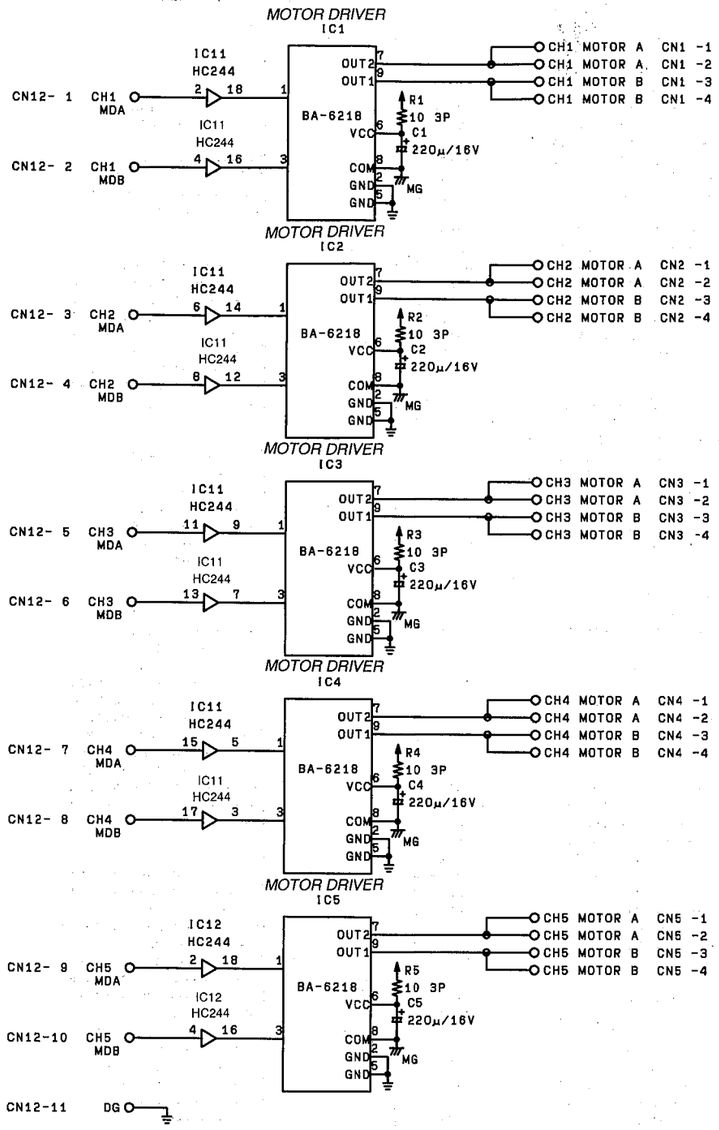
■MBD CIRCUIT DIAGRAM 2/3



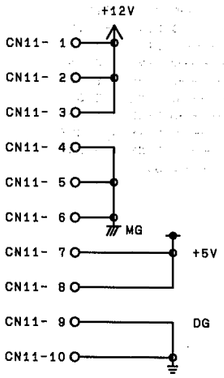
■MBD CIRCUIT DIAGRAM 3/3

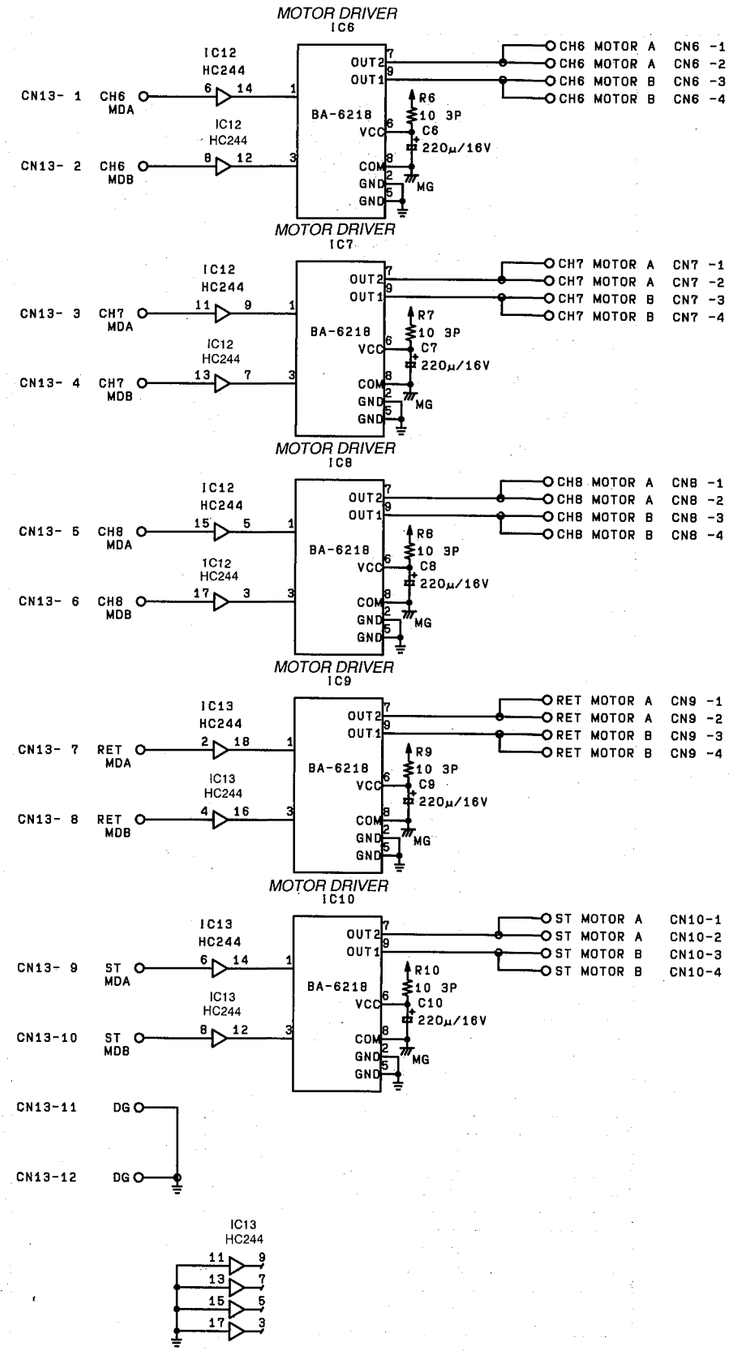


■MDR CIRCUIT DIAGRAM

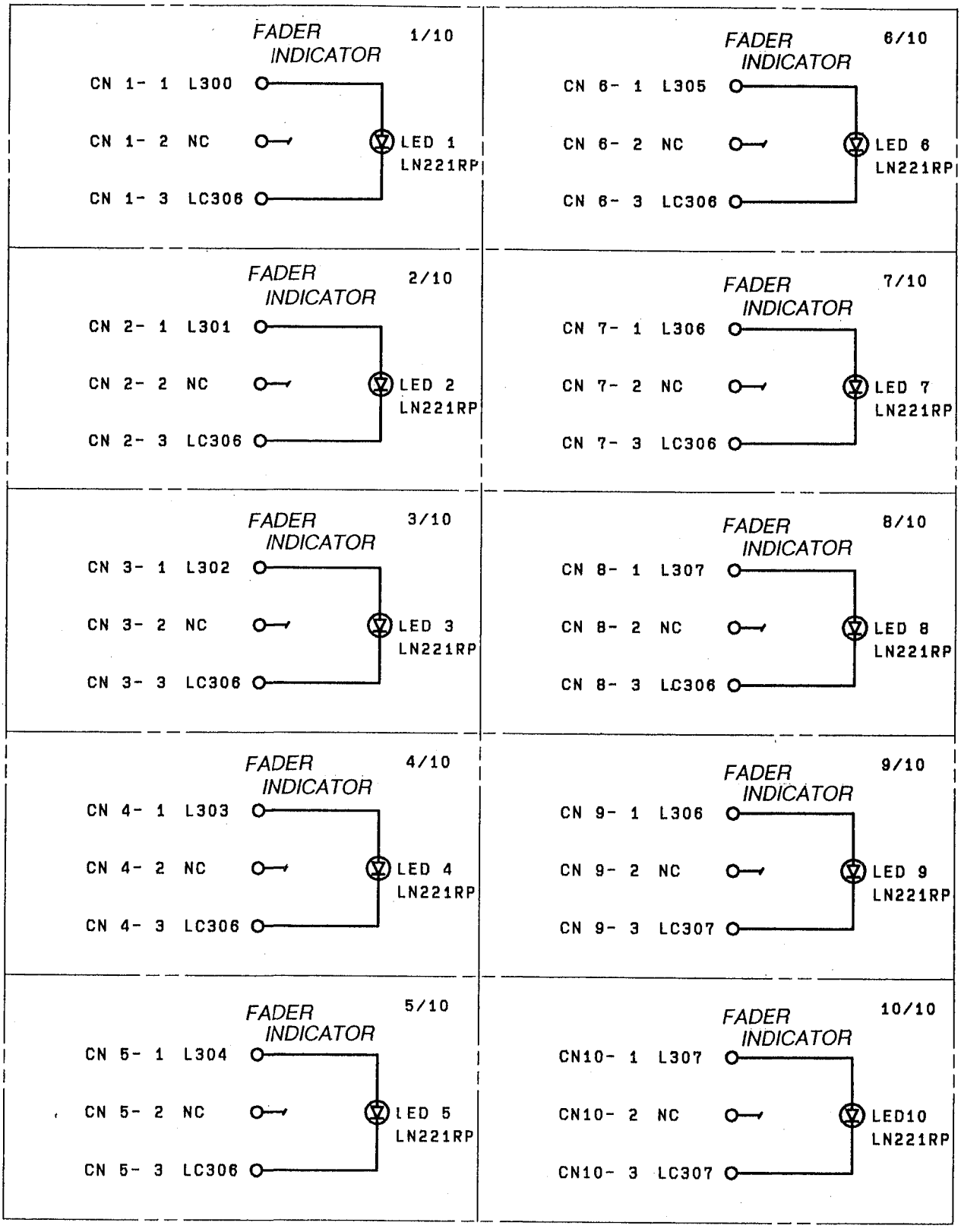


• Bypass capacitors; C11, C12, C13

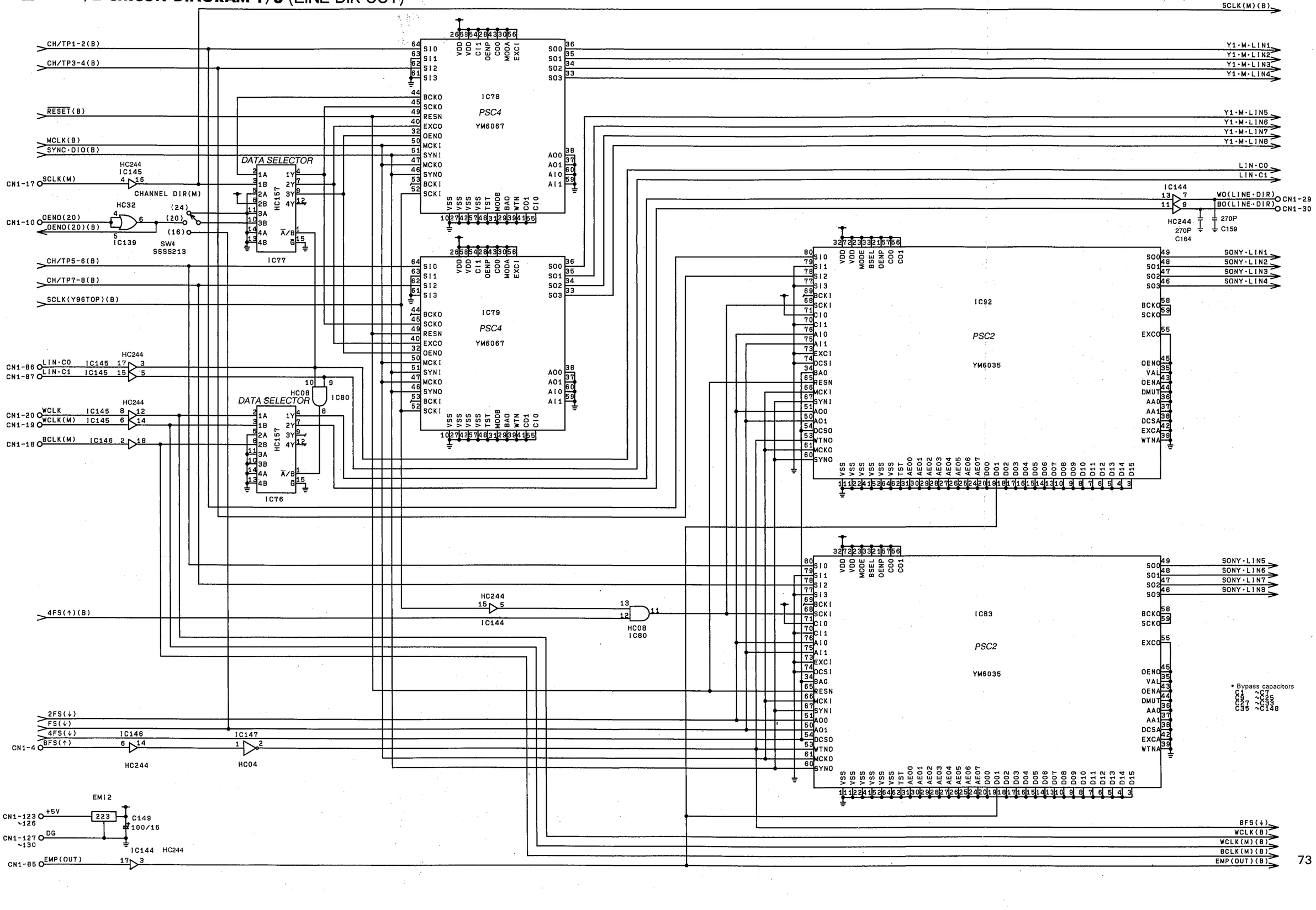




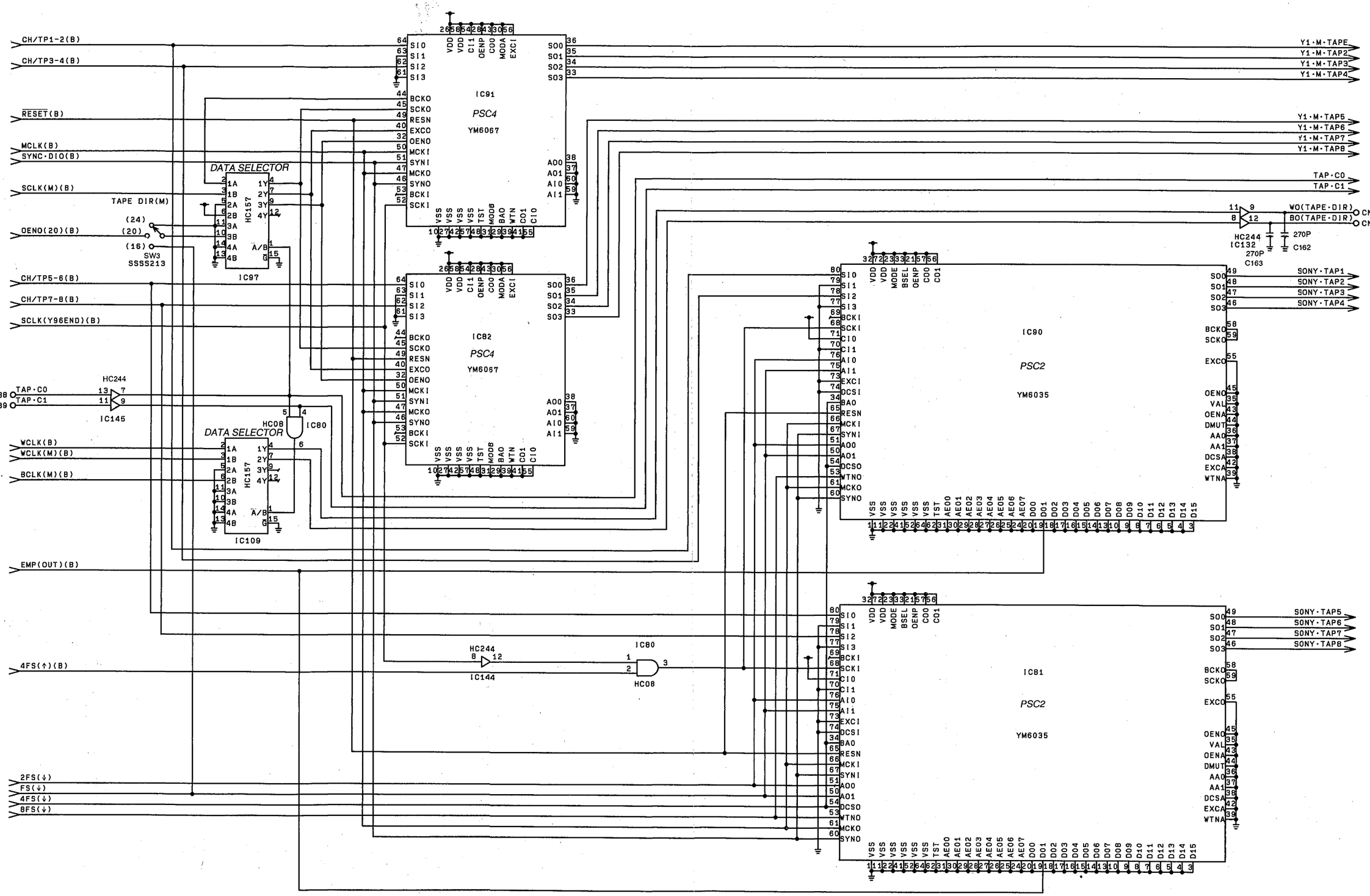
■NML CIRCUIT DIAGRAM



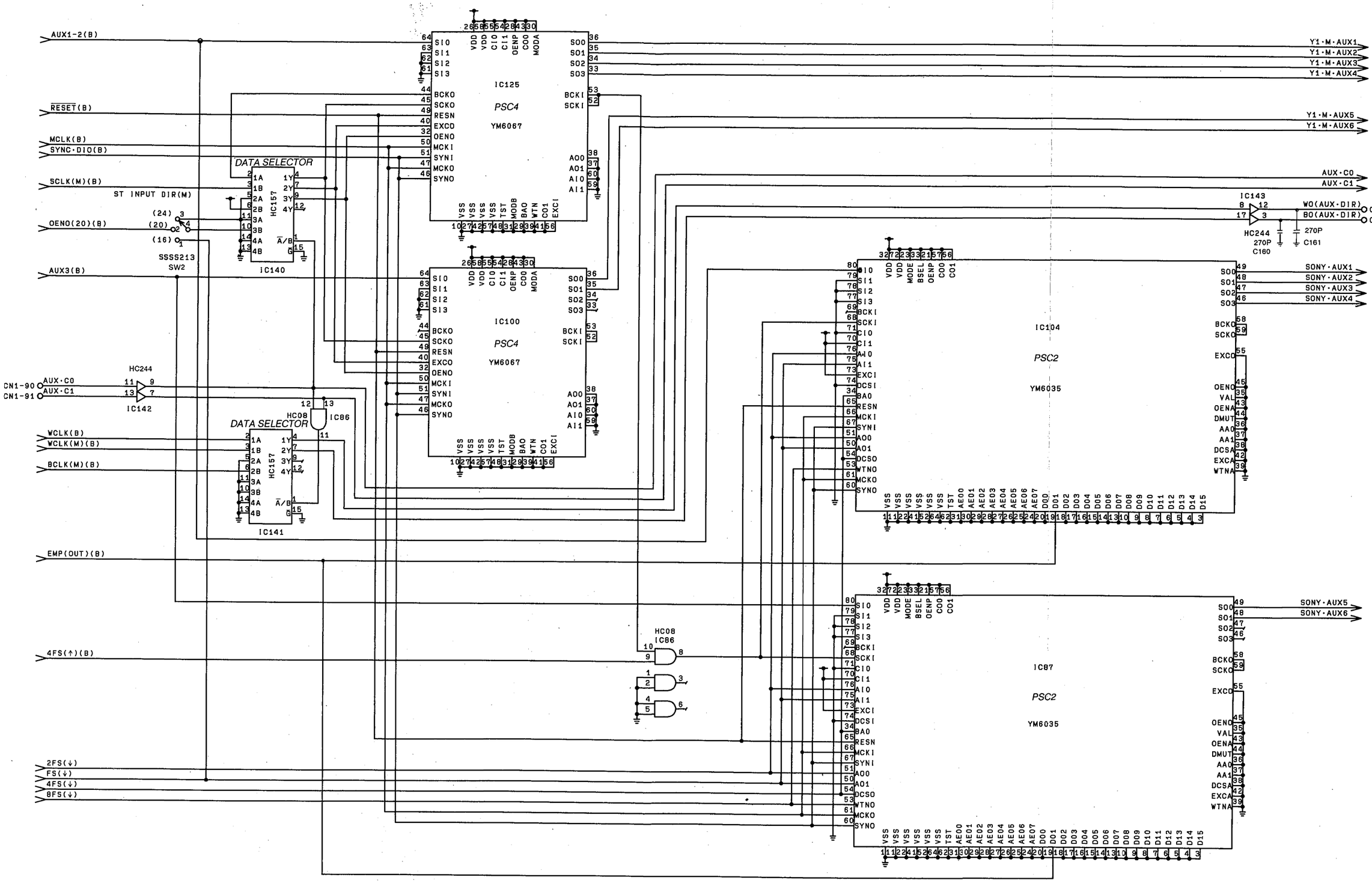
■OUT 1/2 CIRCUIT DIAGRAM 1/8 (LINE DIR OUT)



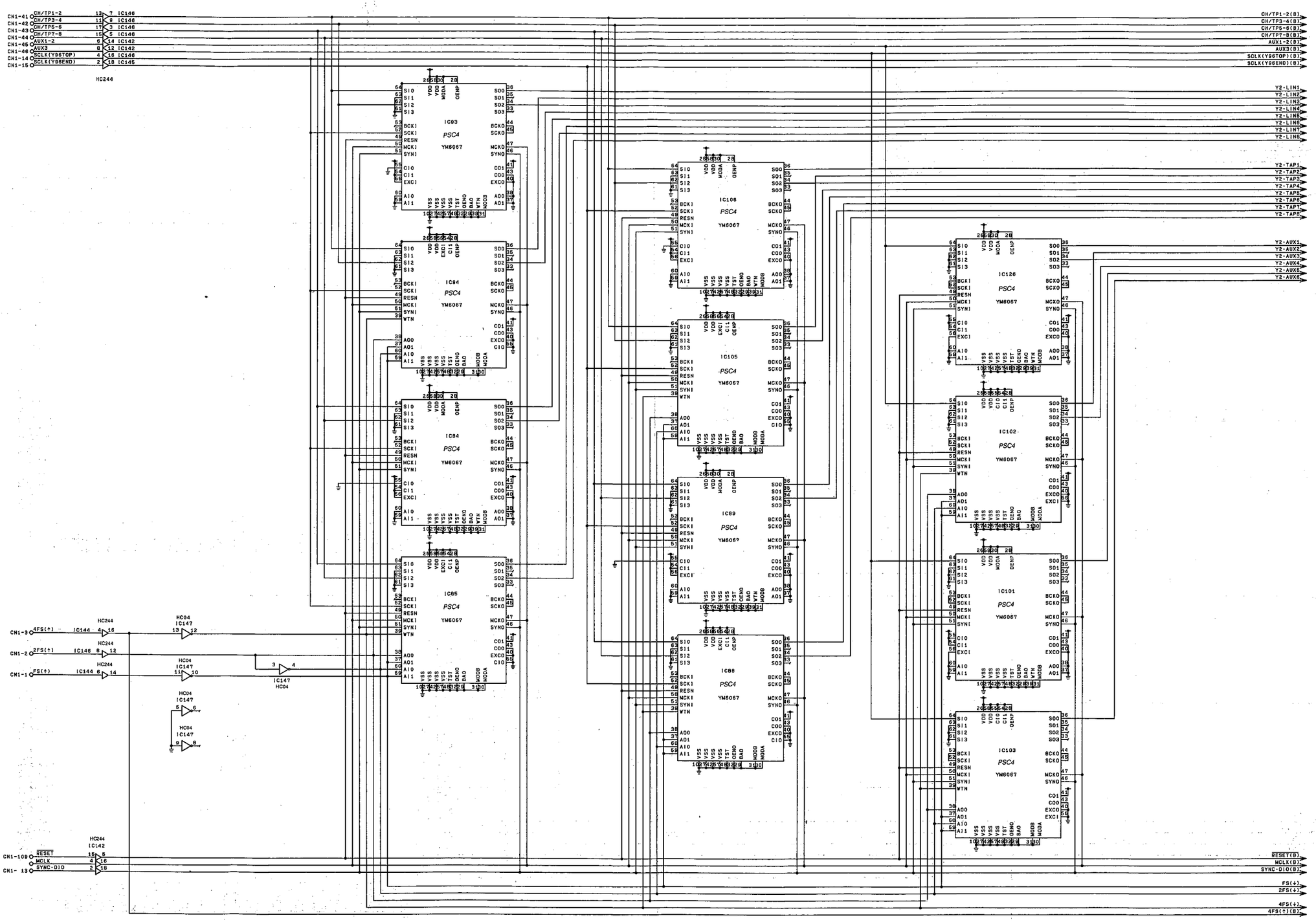
■OUT 1/2 CIRCUIT DIAGRAM 2/8 (TAPE DIR OUT)



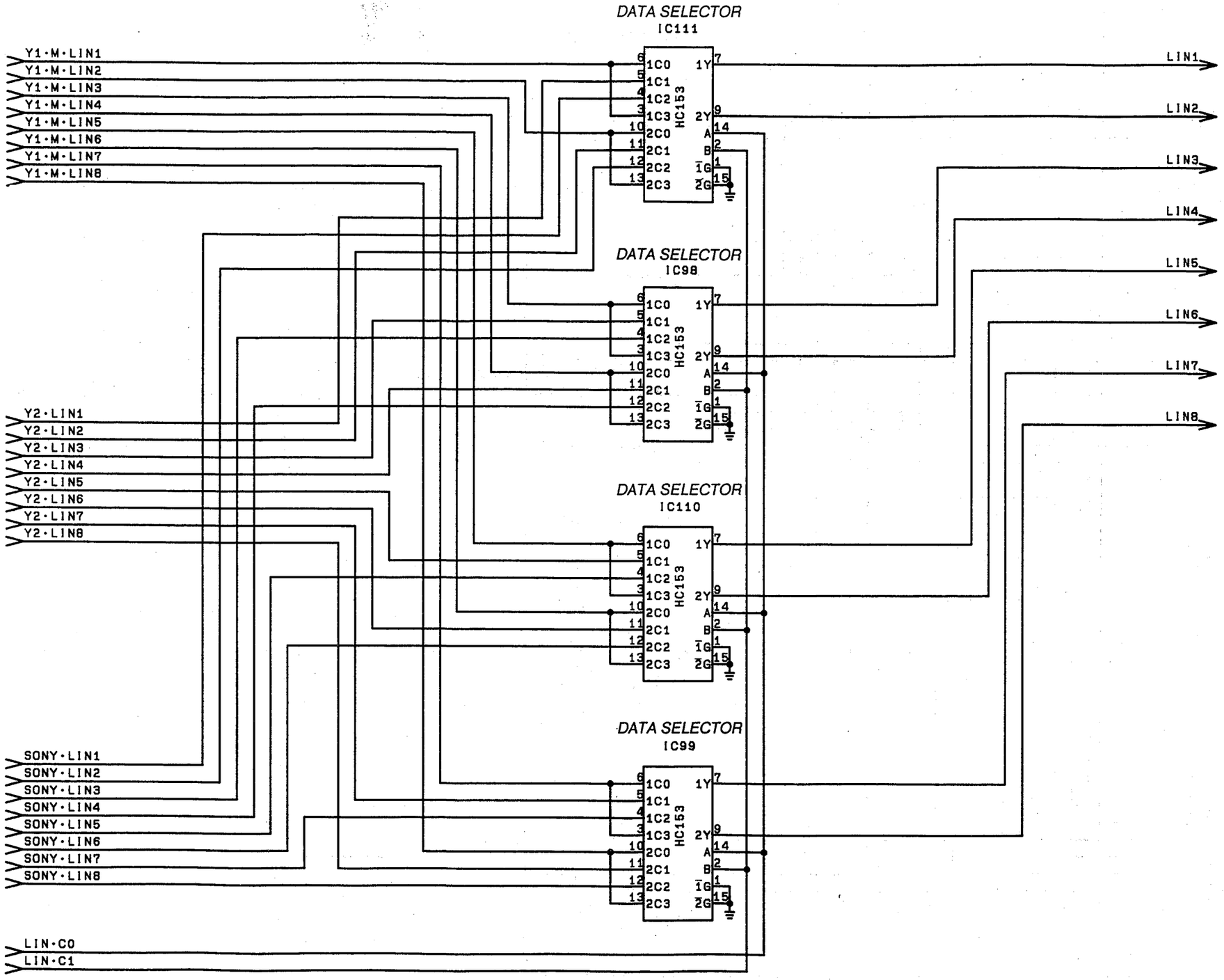
■OUT 1/2 CIRCUIT DIAGRAM 3/8 (AUX DIR OUT)



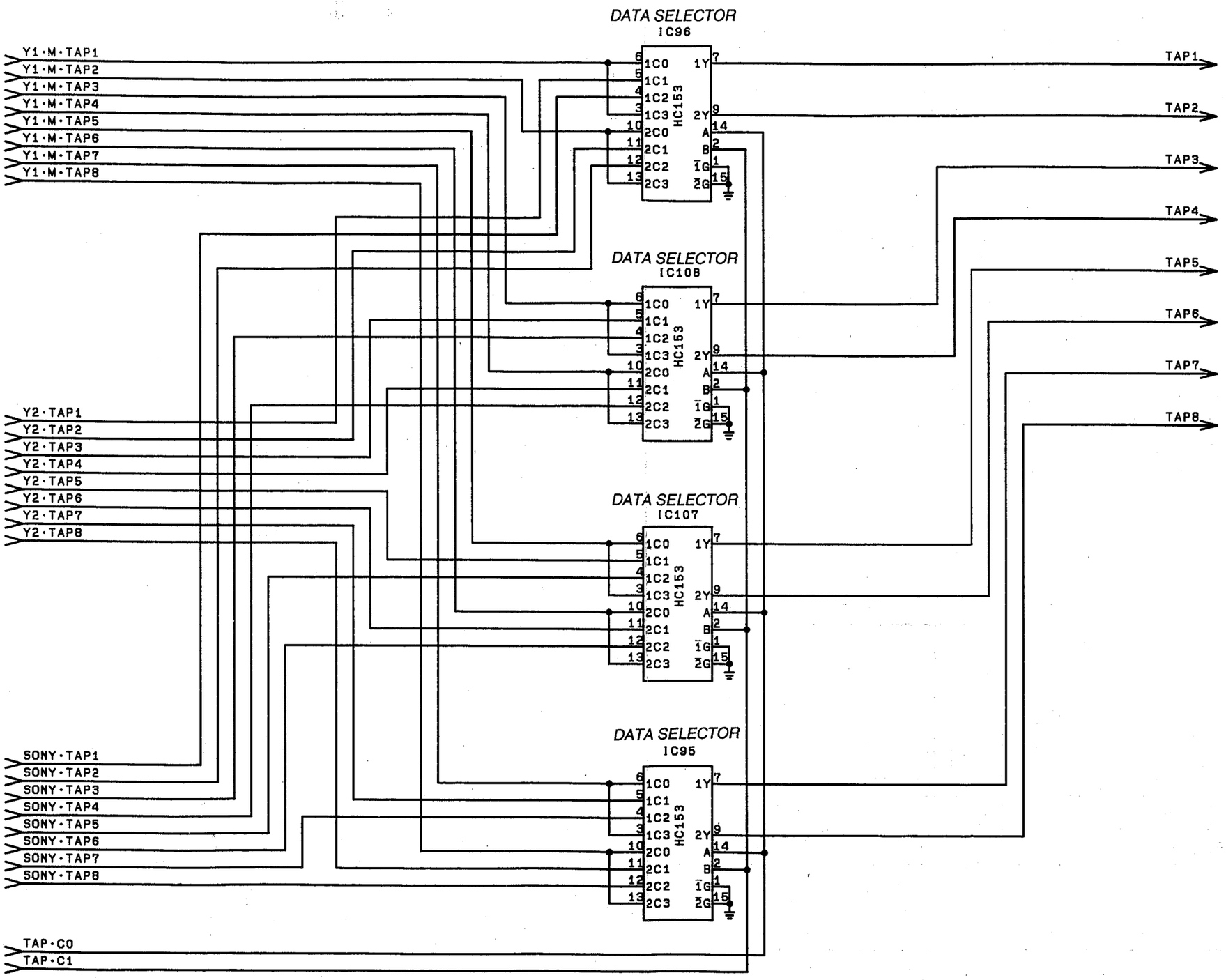
■OUT 1/2 CIRCUIT DIAGRAM 4/8 (DIRECT OUT)



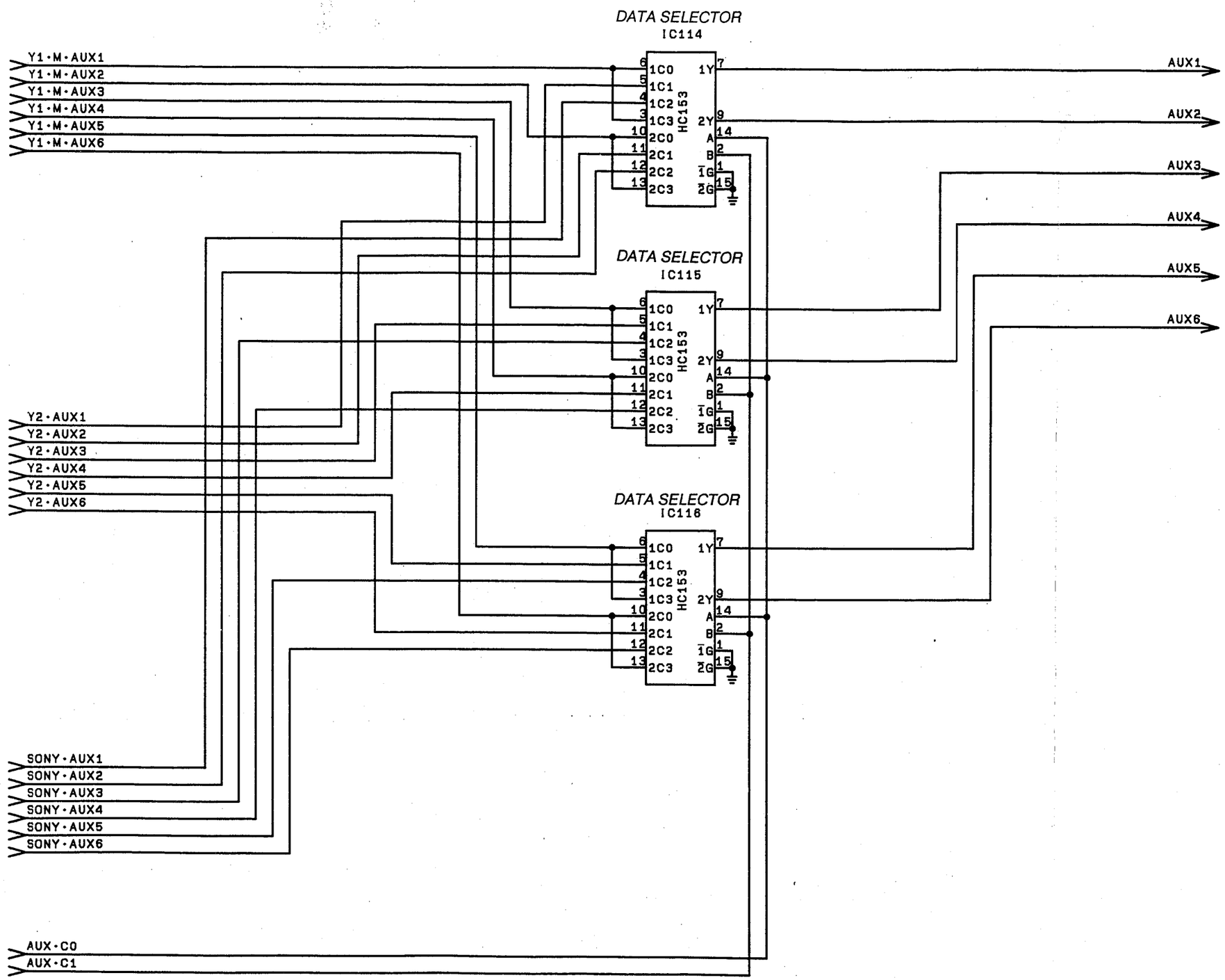
■OUT 1/2 CIRCUIT DIAGRAM 5/8 (LINE DIR OUT SEL)



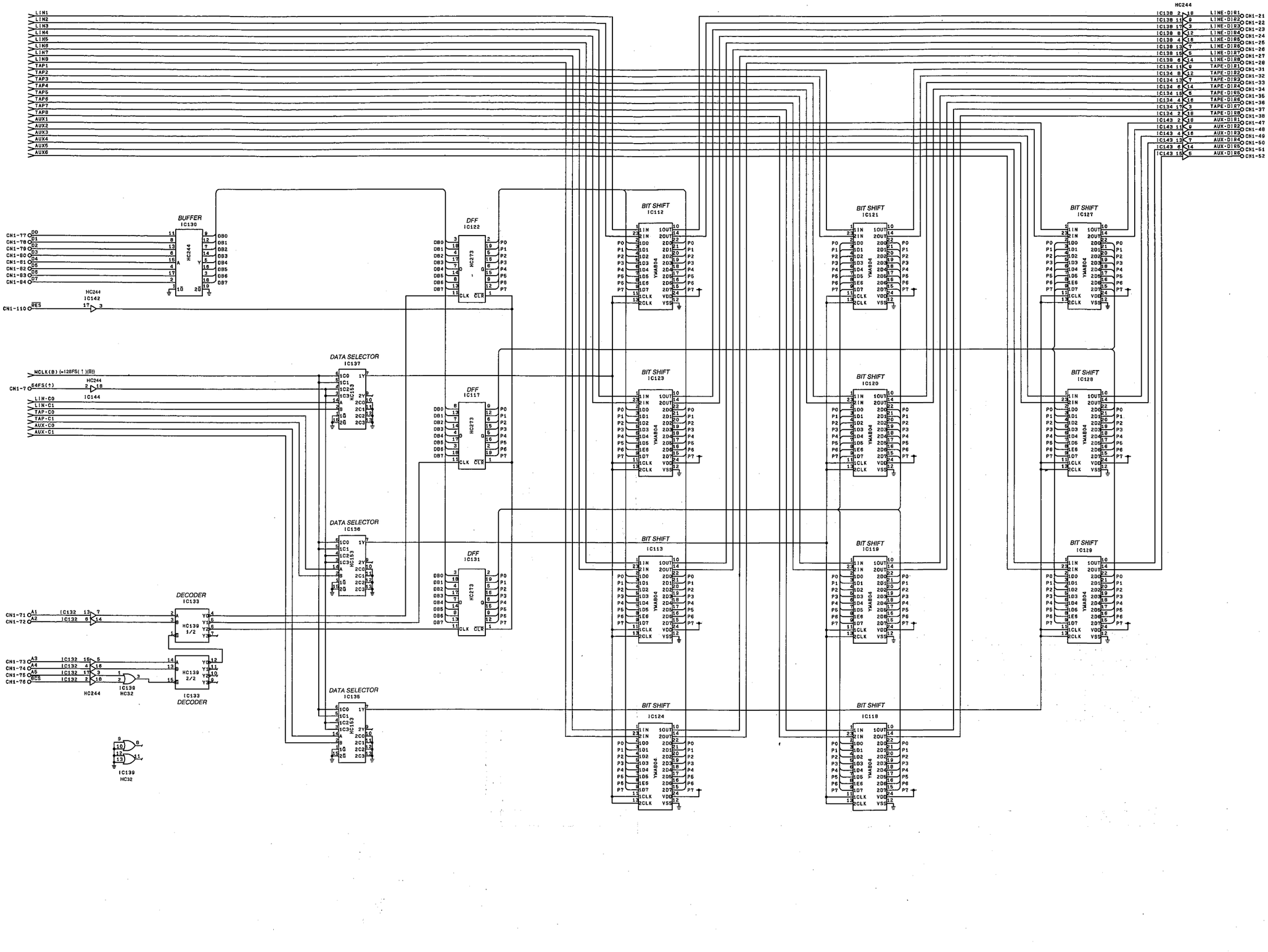
■OUT 1/2 CIRCUIT DIAGRAM 6/8 (TAPE DIR OUT SEL)



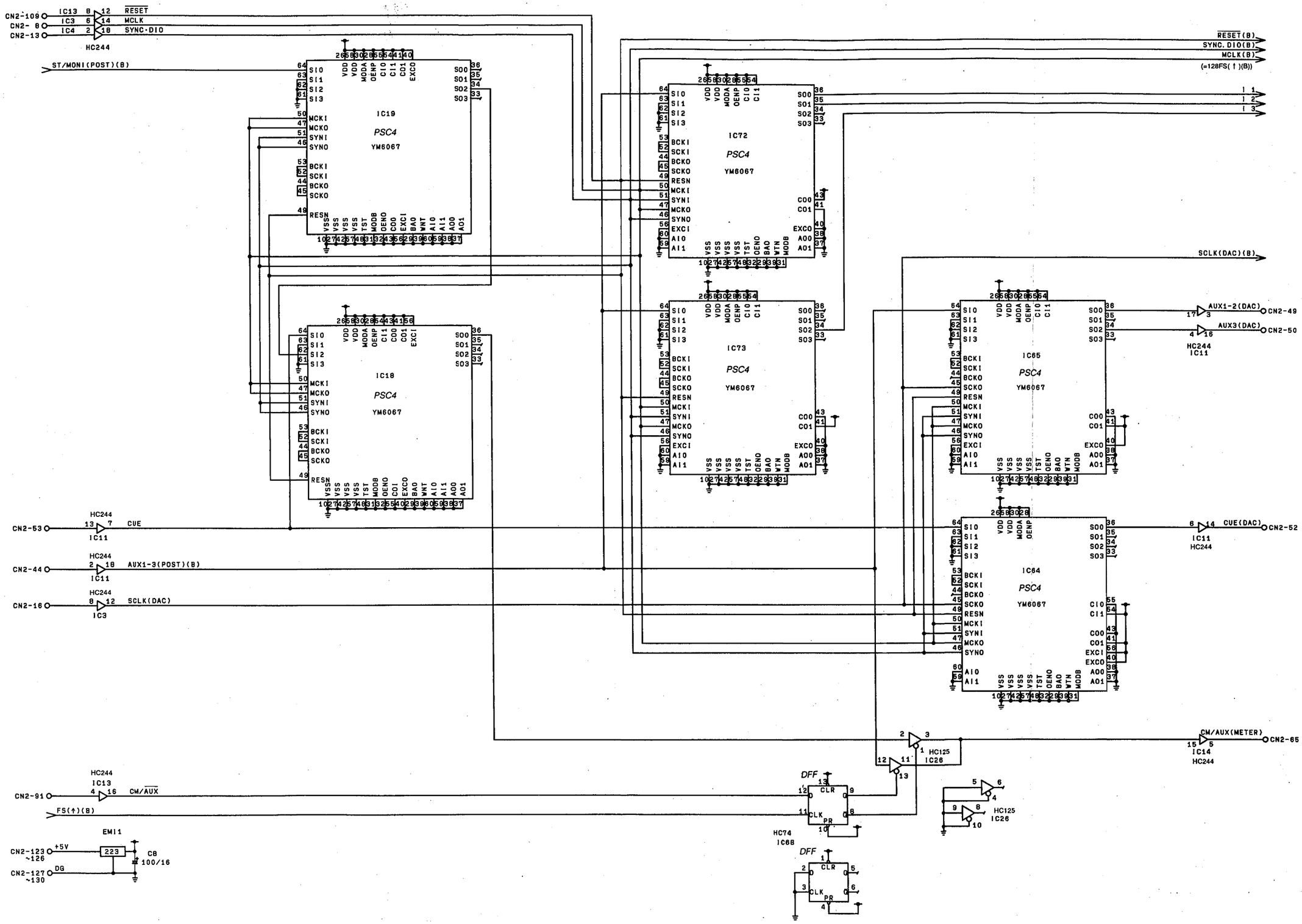
■OUT 1/2 CIRCUIT DIAGRAM 7/8 (AUX DIR OUT SEL)



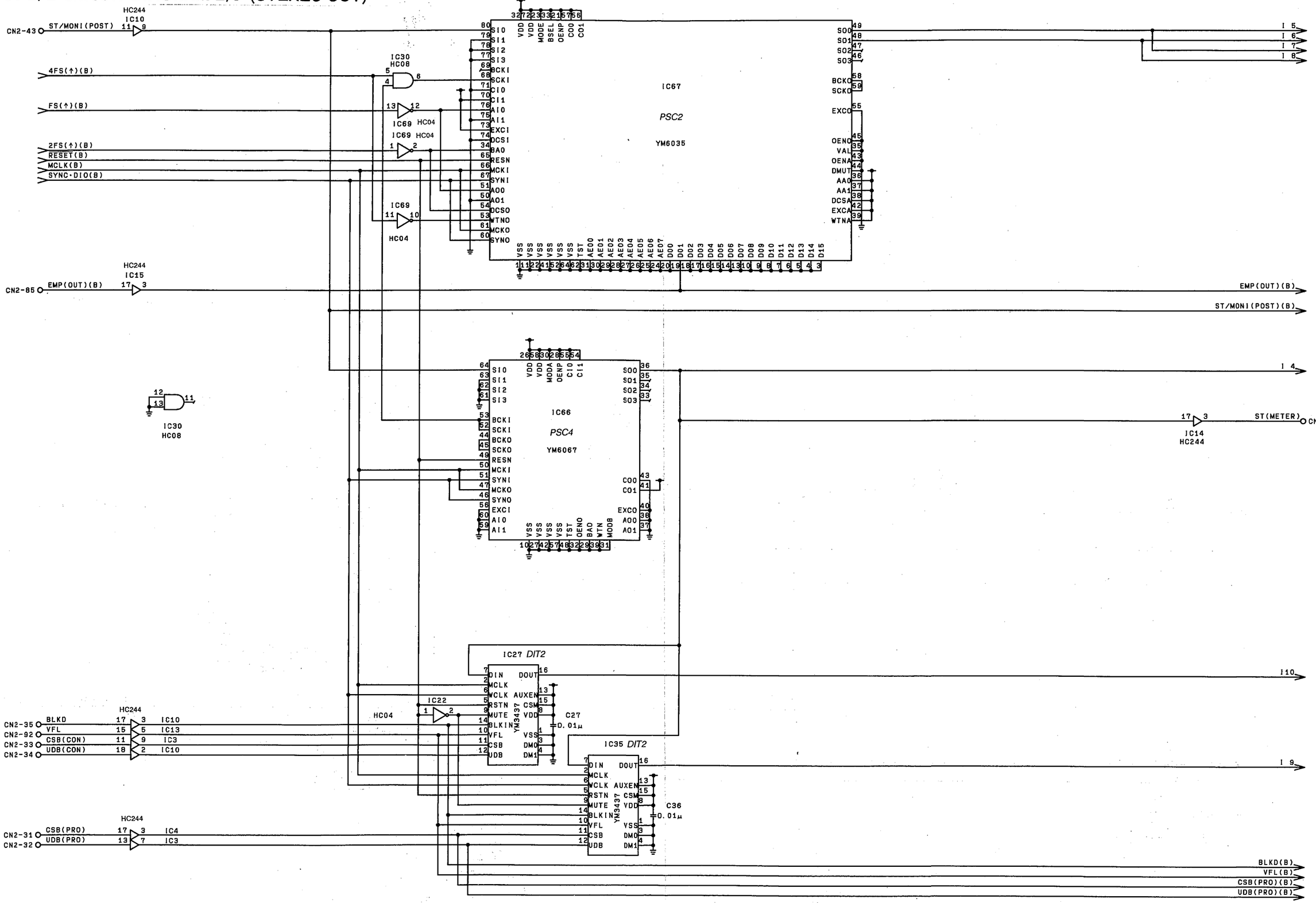
■OUT 1/2 CIRCUIT DIAGRAM 8/8 (DIR OUT BS)



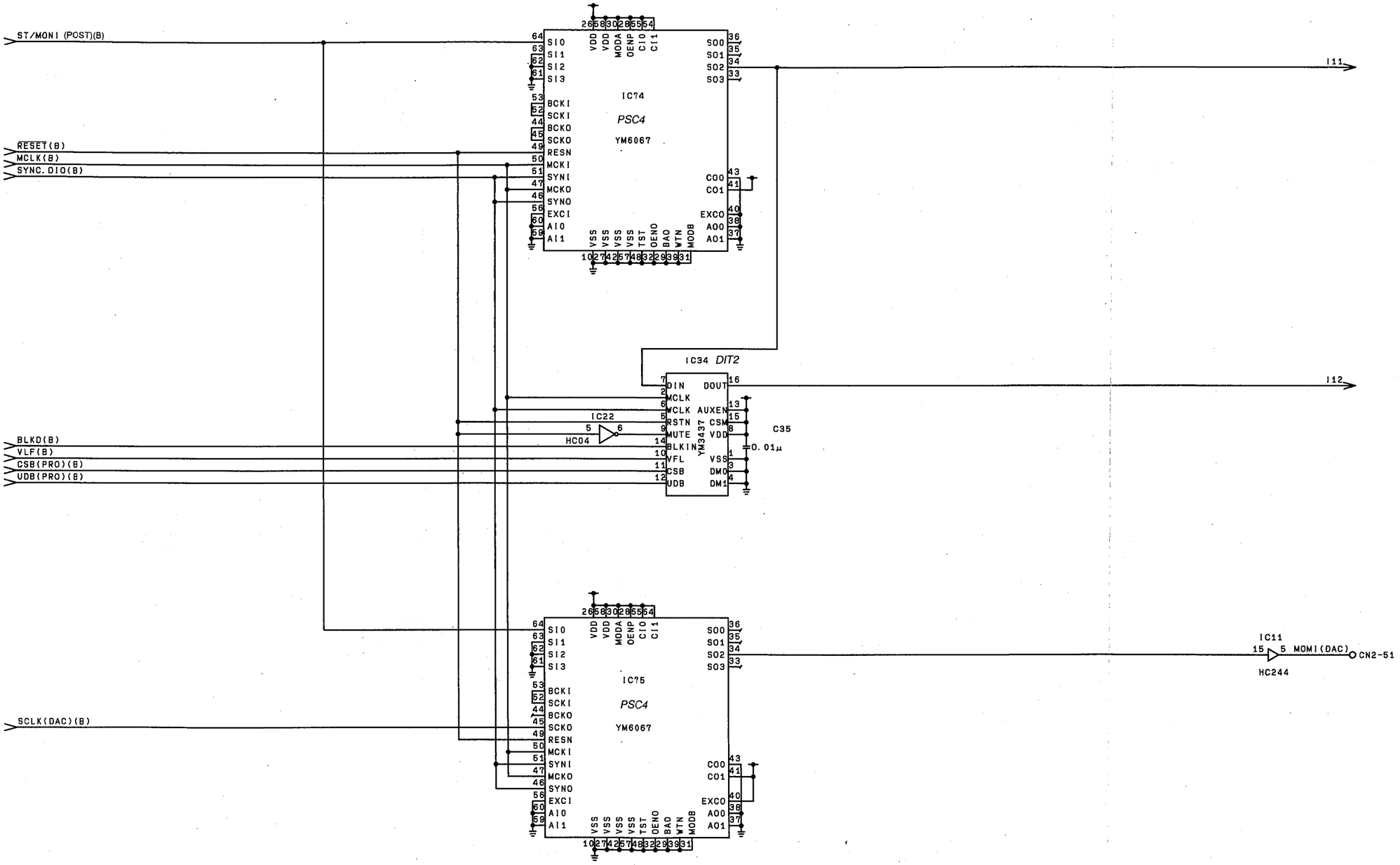
■OUT 2/2 CIRCUIT DIAGRAM 1/7 (AUX SEND, HEADPHONE)



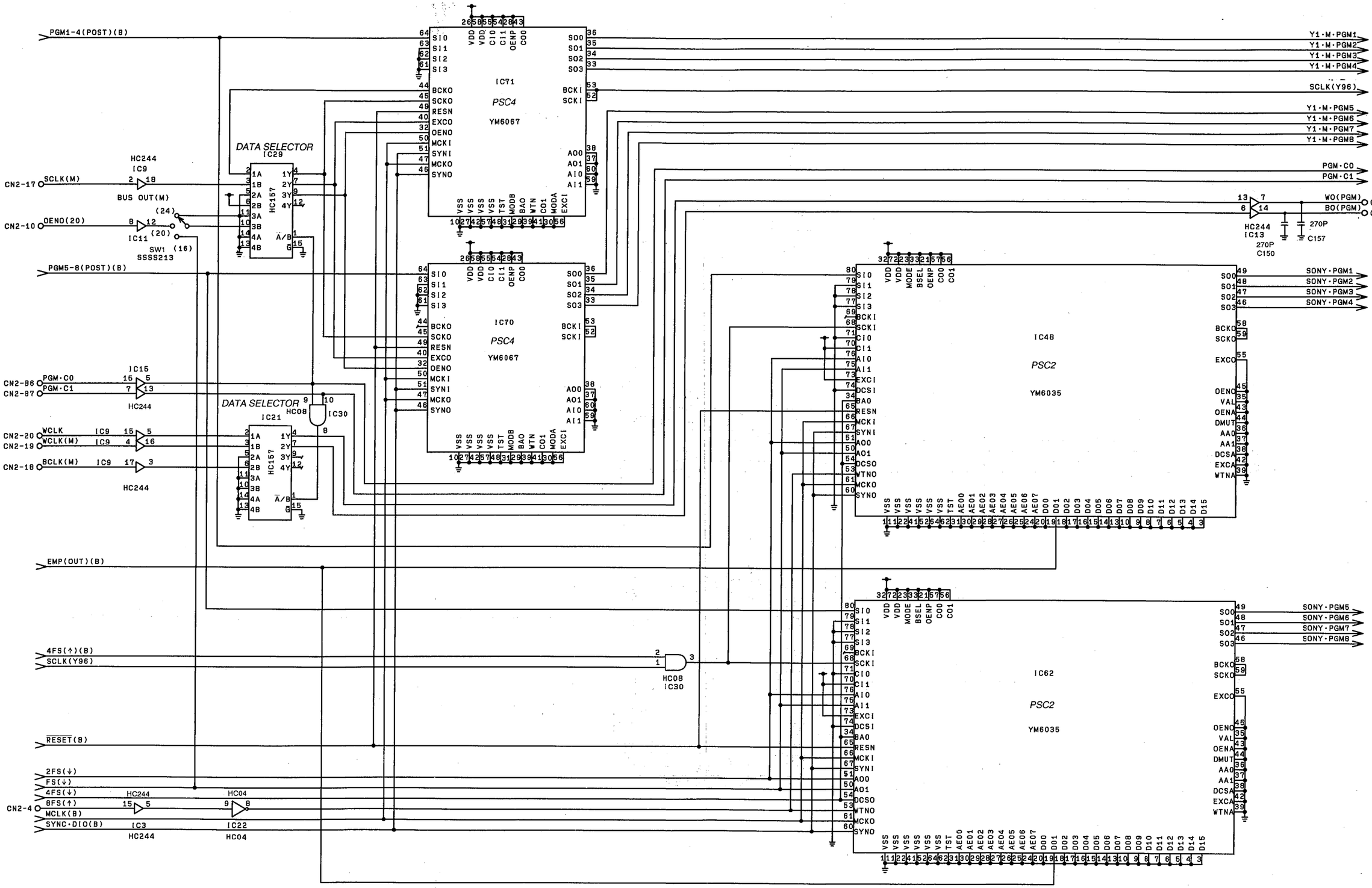
■OUT 2/2 CIRCUIT DIAGRAM 2/7 (STEREO OUT)



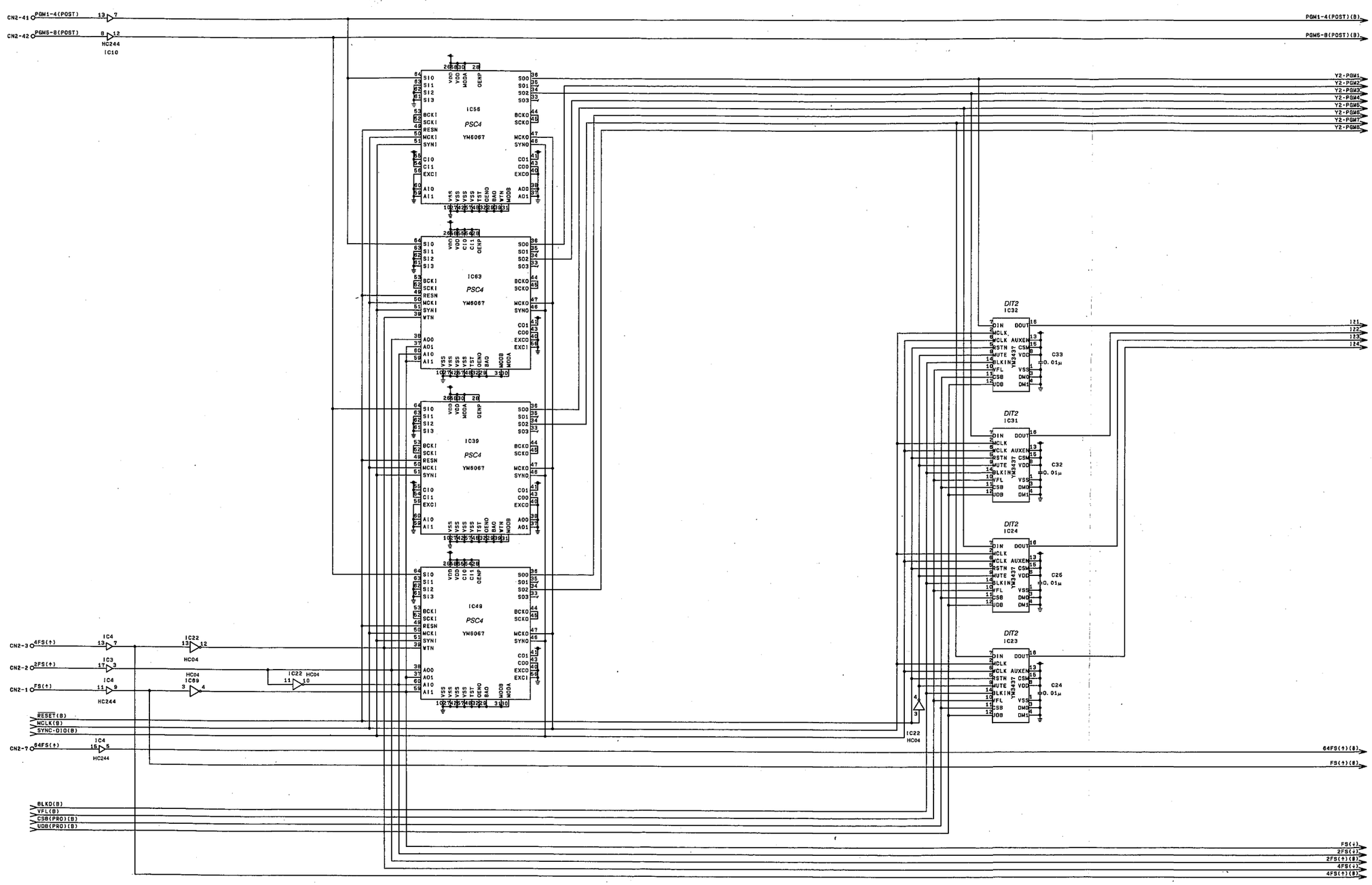
■OUT 2/2 CIRCUIT DIAGRAM 3/7 (MONITOR OUT)



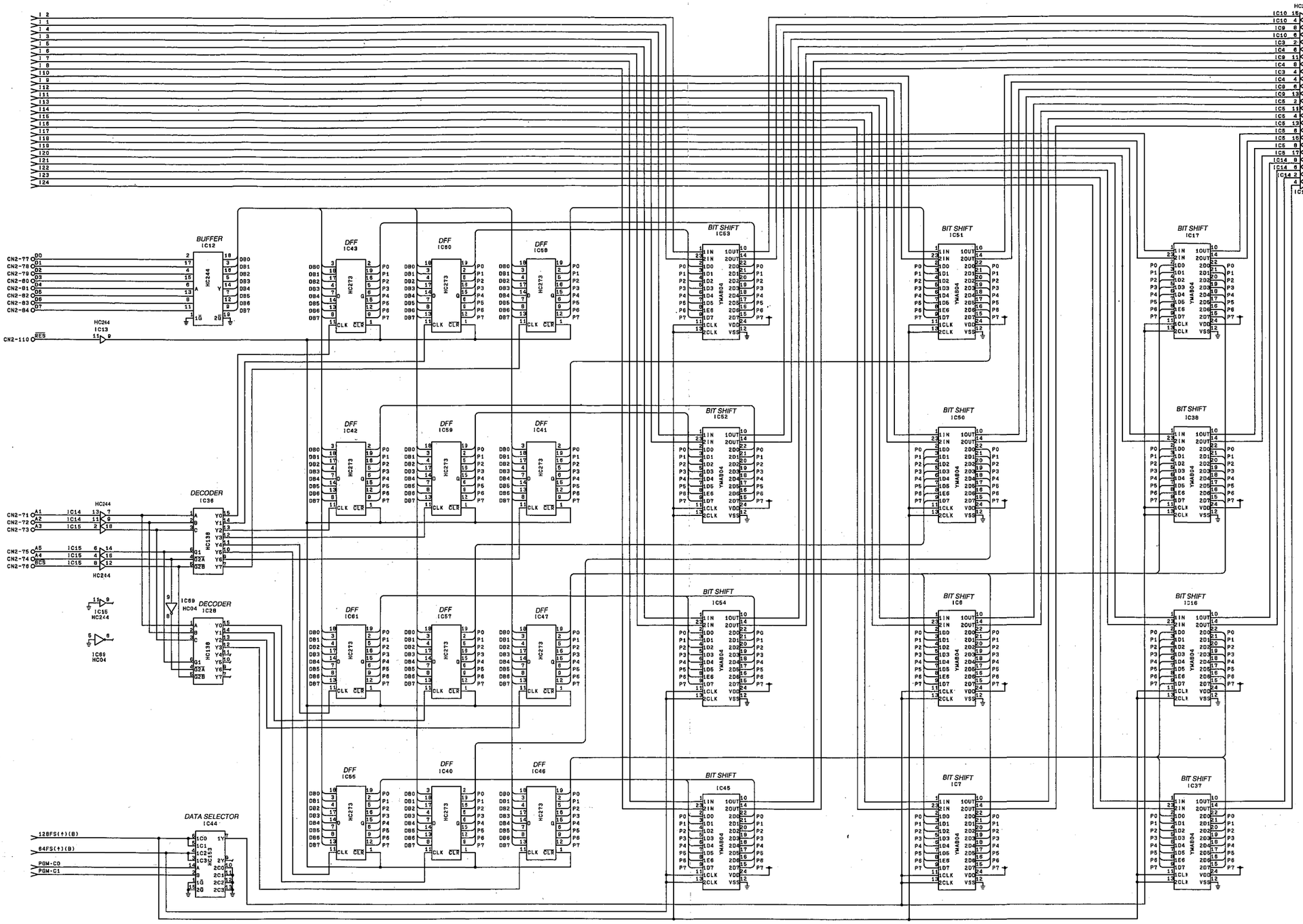
■OUT 2/2 CIRCUIT DIAGRAM 4/7 (PGM OUT (Y1, M, SONY))



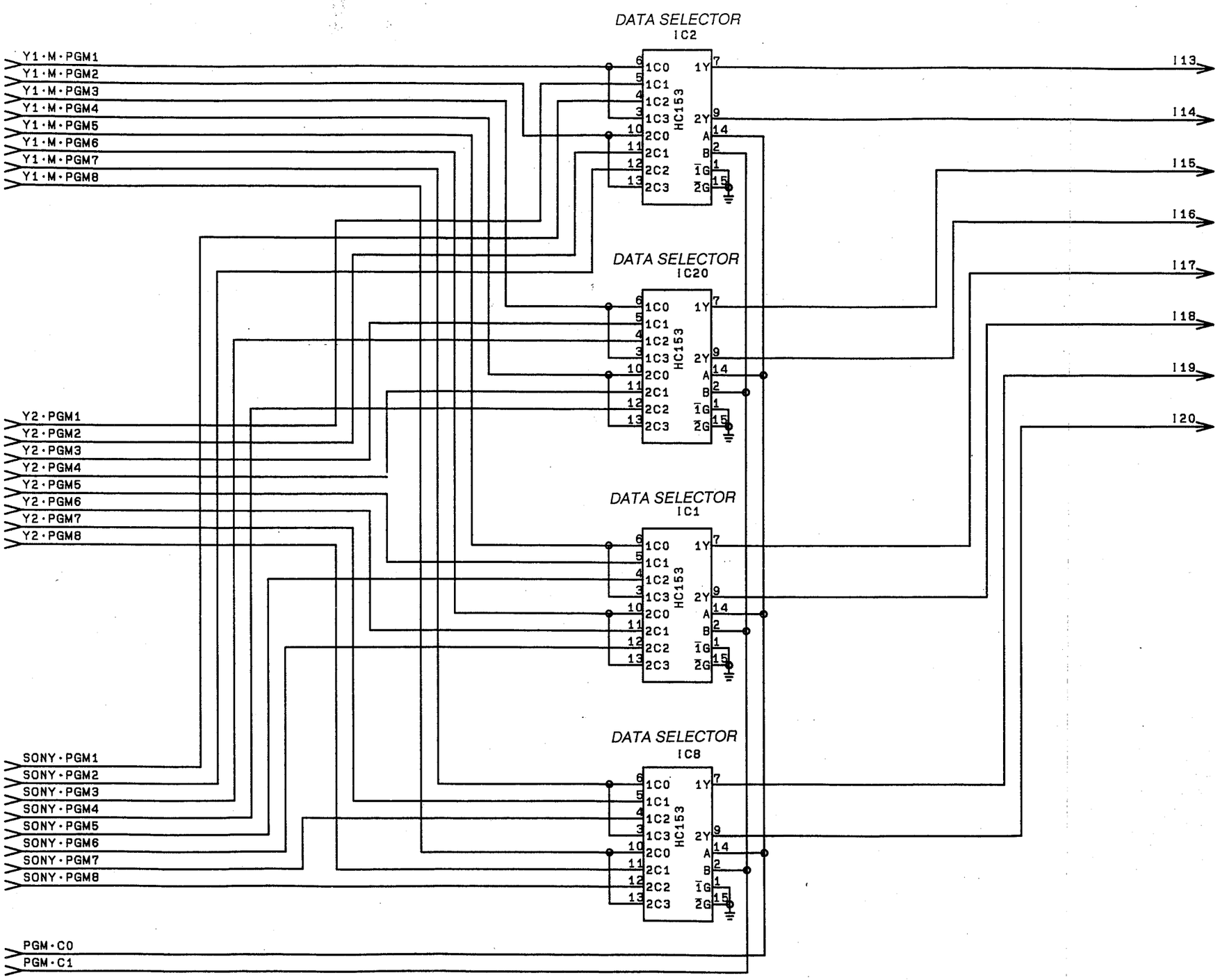
■OUT 2/2 CIRCUIT DIAGRAM 5/7 (PGM OUT (Y2, AES))



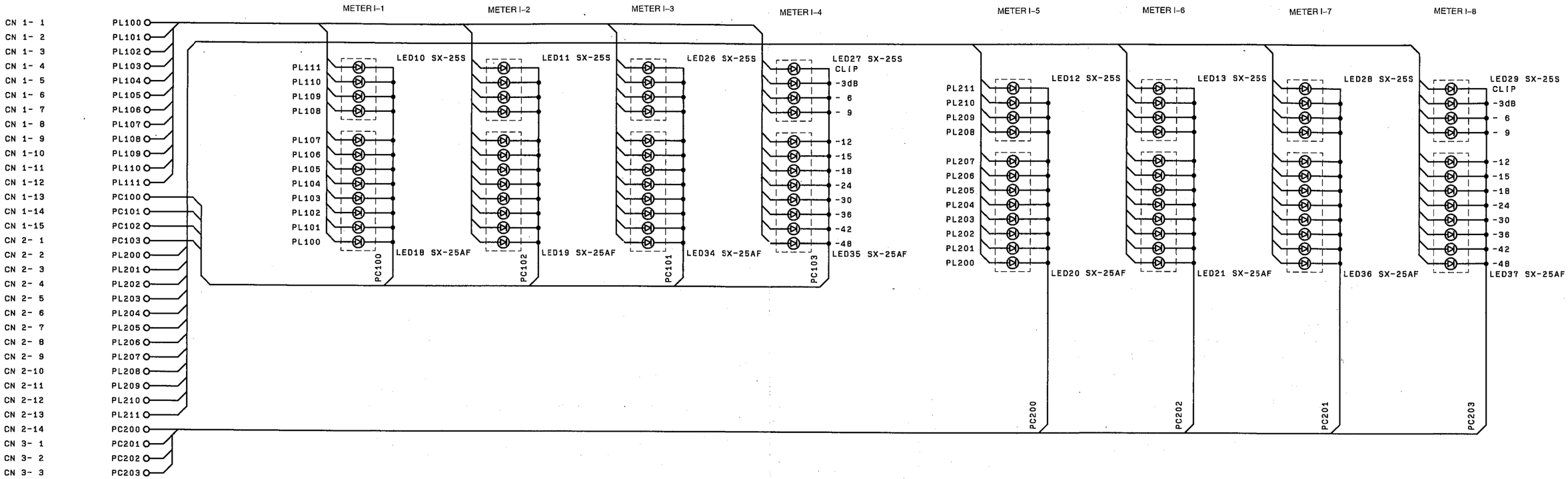
■OUT 2/2 CIRCUIT DIAGRAM 6/7 (BIT SHIFT)

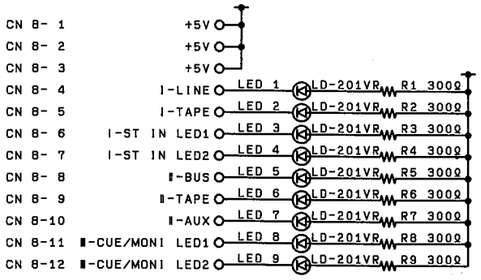


■OUT 2/2 CIRCUIT DIAGRAM 7/7 (PGM OUT SEL)

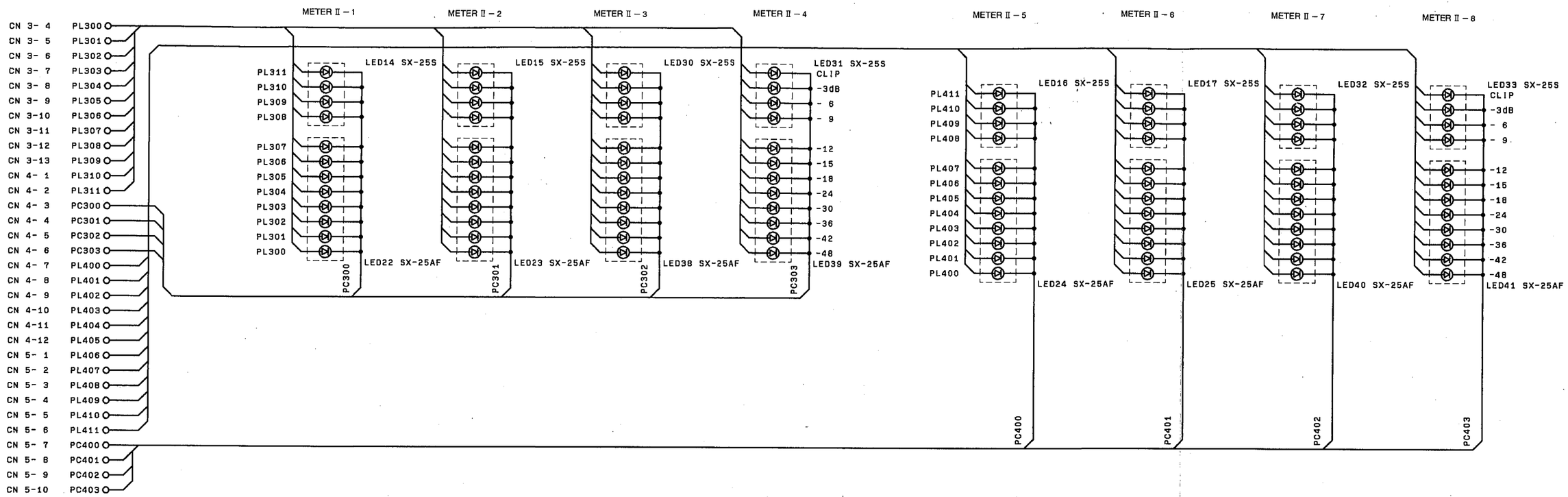


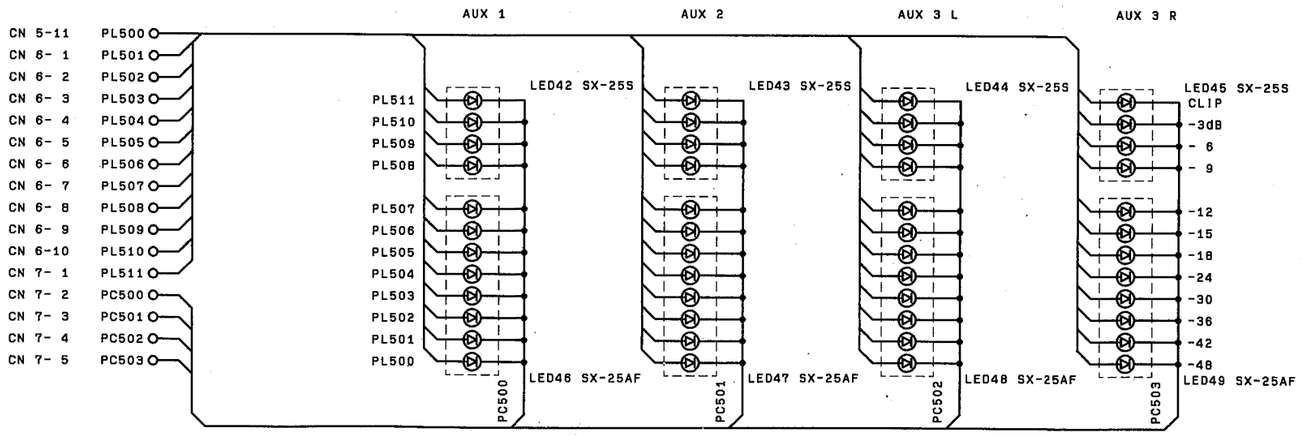
■PM CIRCUIT DIAGRAM 1/2



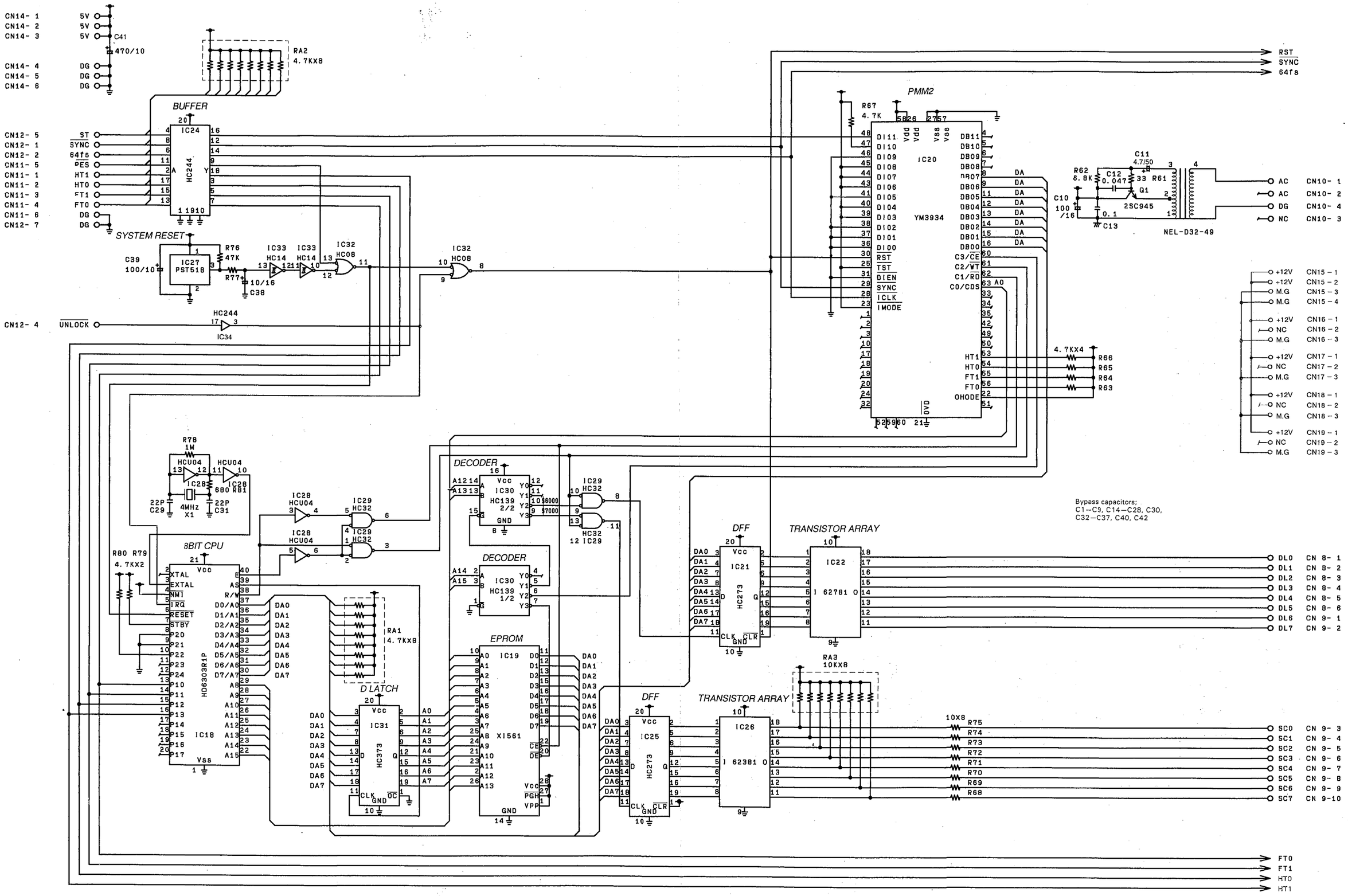


■PM CIRCUIT DIAGRAM 2/2



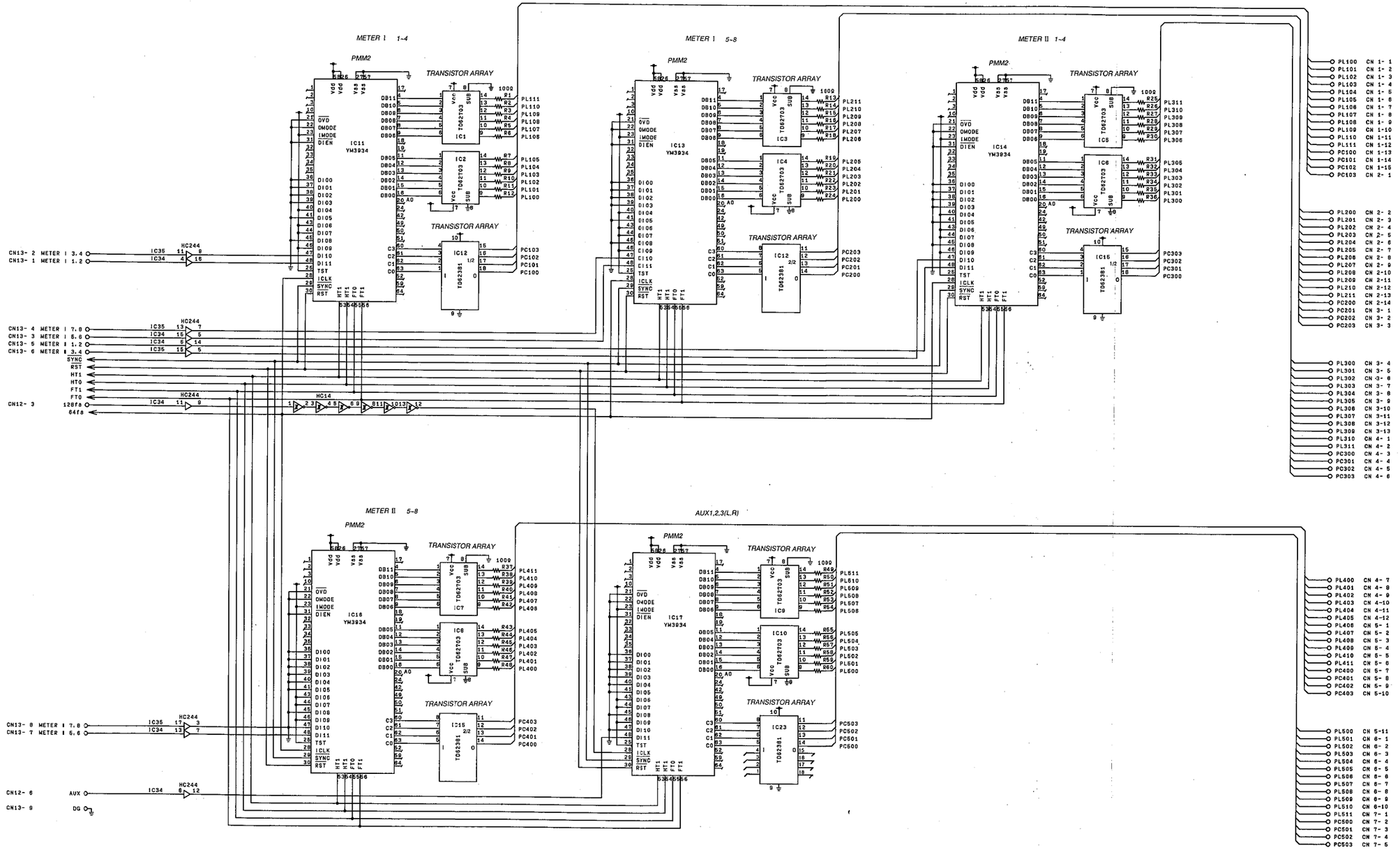


■PMD CIRCUIT DIAGRAM 1/2

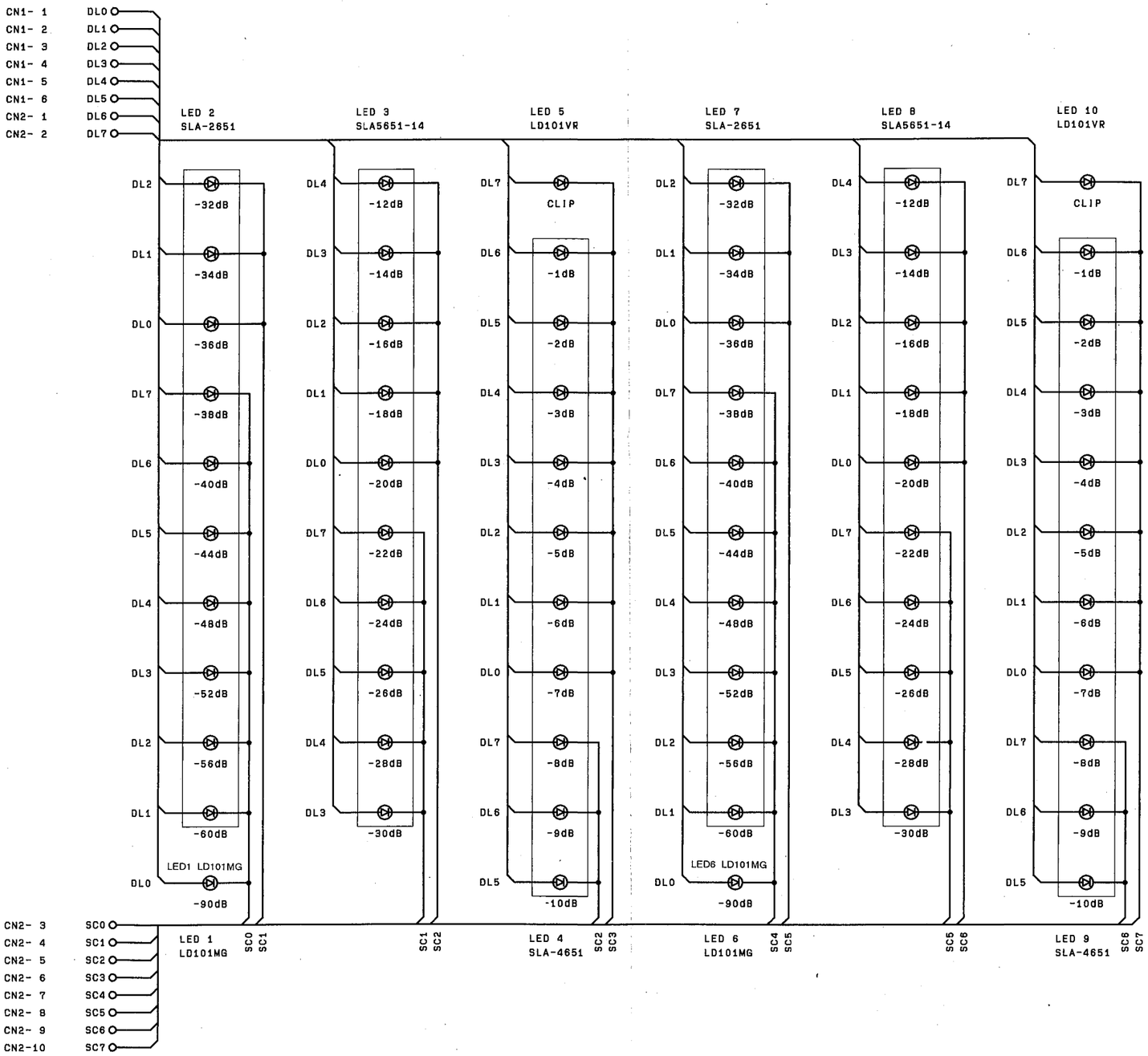


Bypass capacitors;
C1—C9, C14—C28, C30,
C32—C37, C40, C42

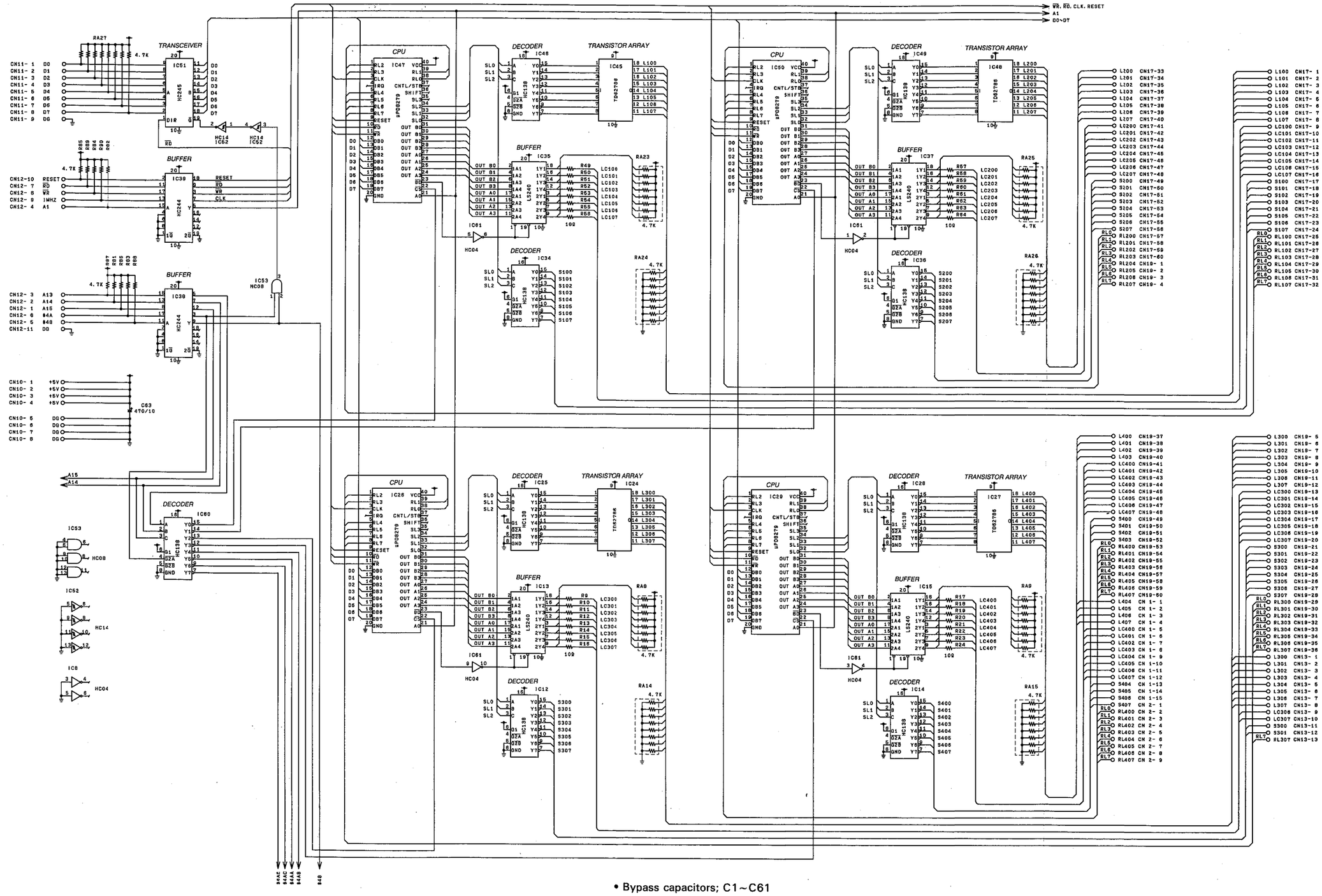
■PMD CIRCUIT DIAGRAM 2/2



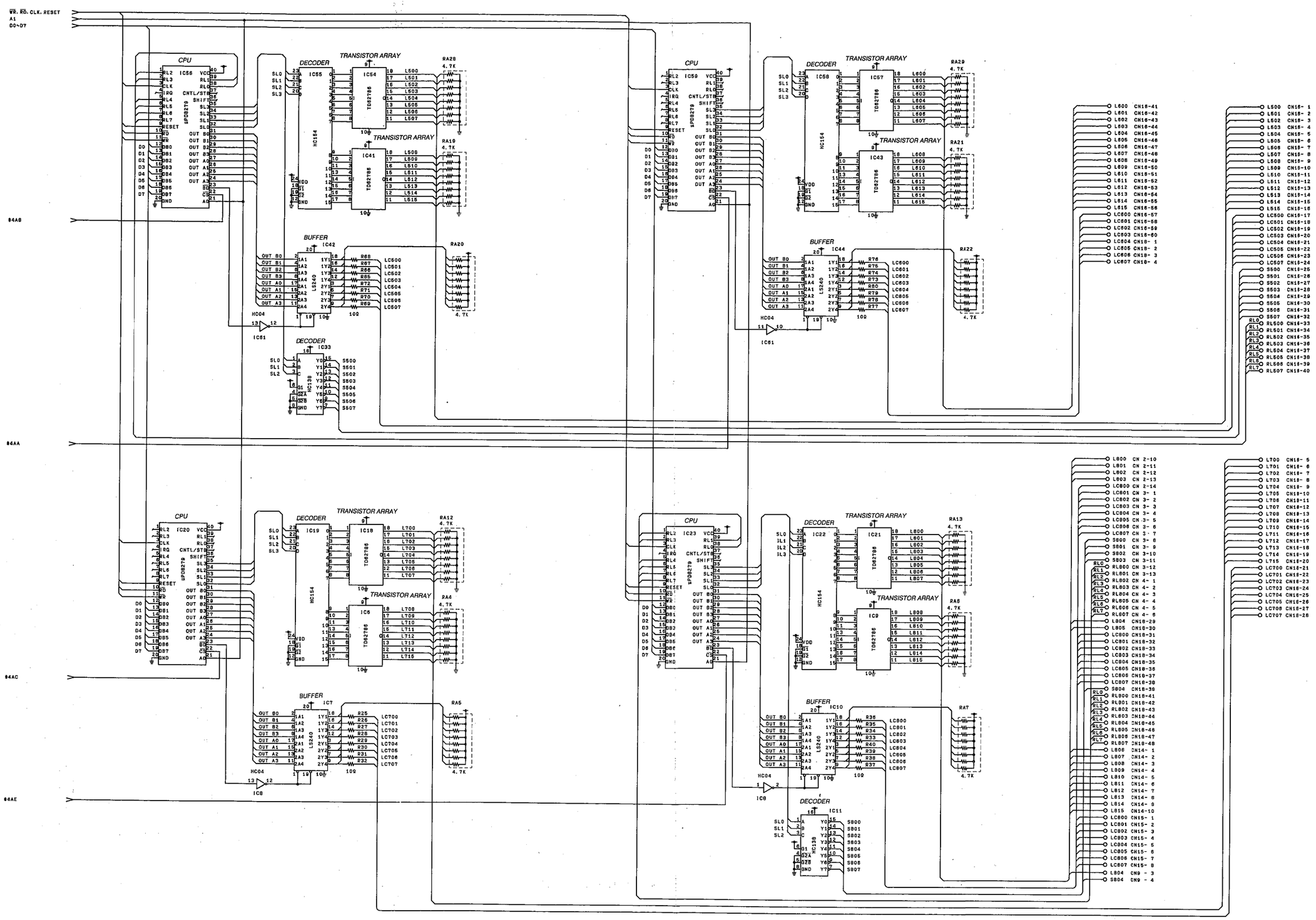
■PMS CIRCUIT DIAGRAM



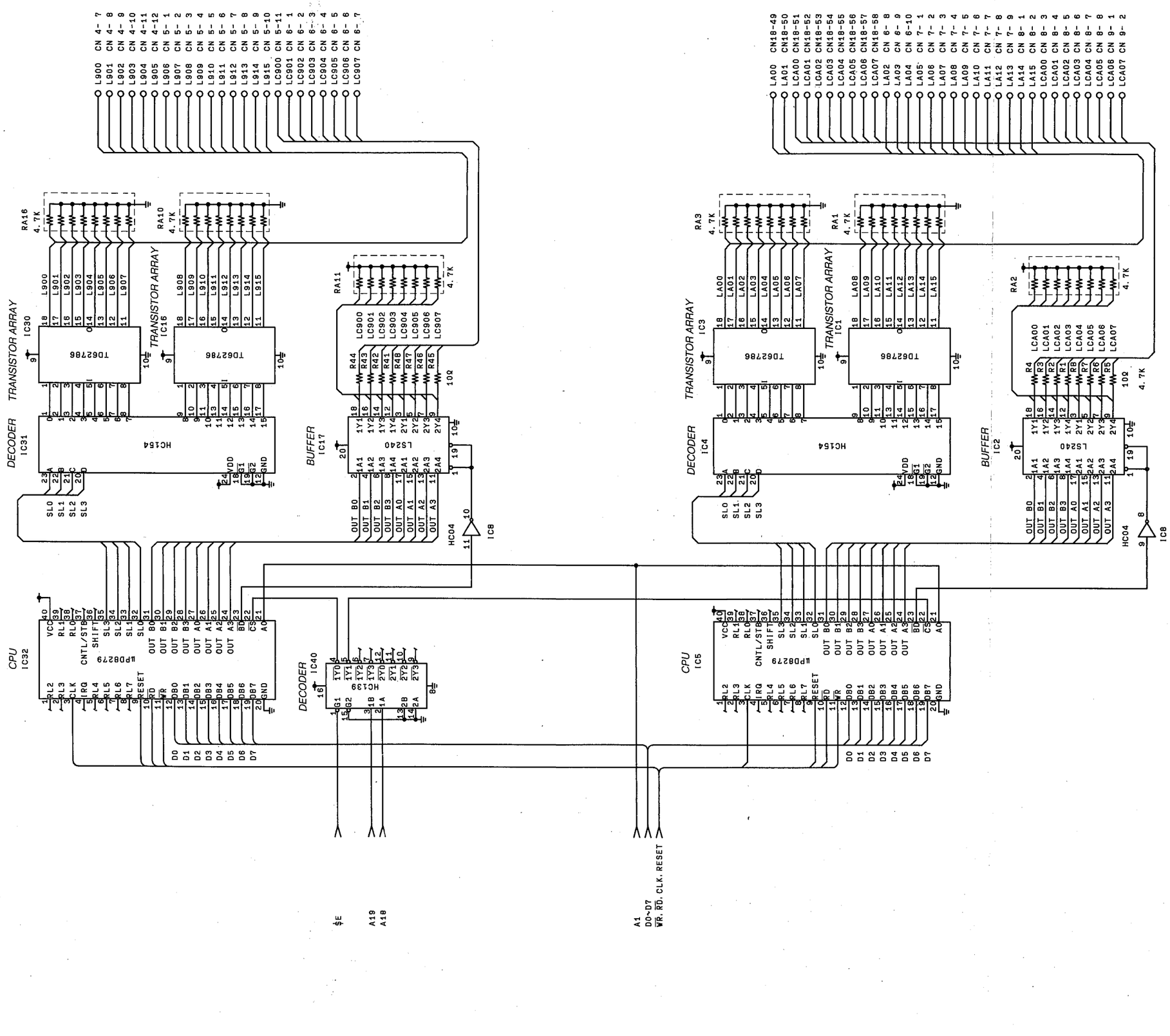
■PND CIRCUIT DIAGRAM 1/3



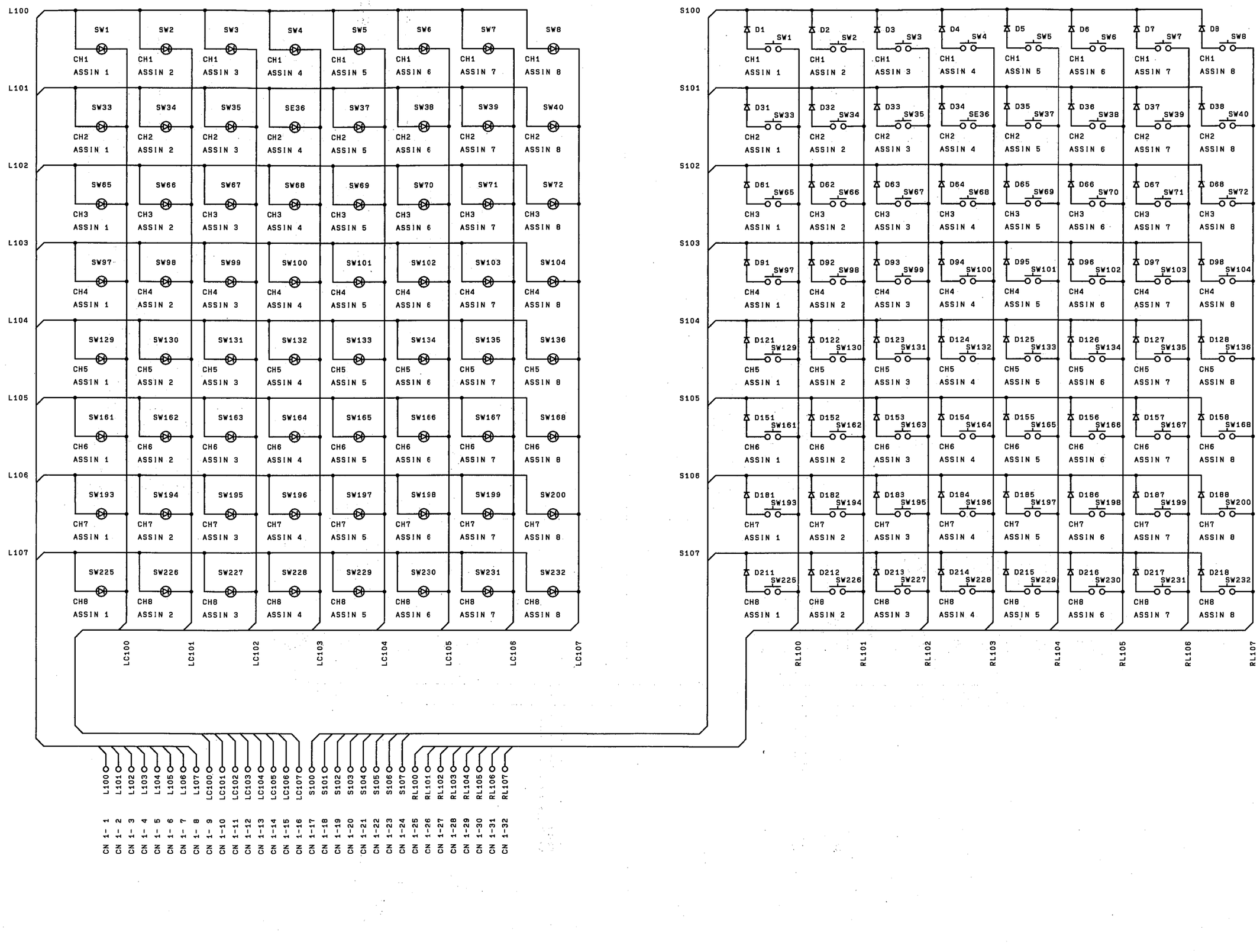
■PND CIRCUIT DIAGRAM 2/3



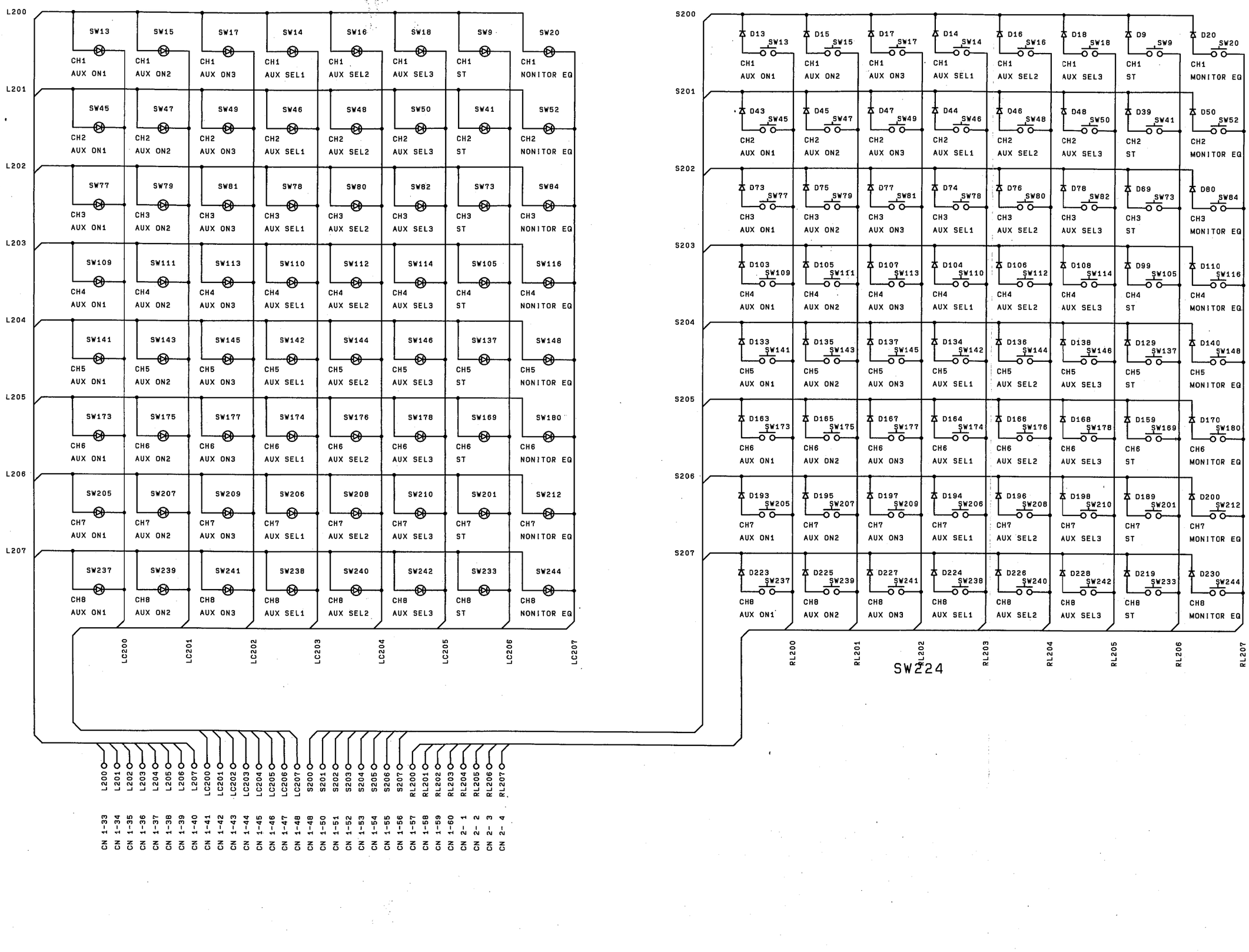
■PND CIRCUIT DIAGRAM 3/3



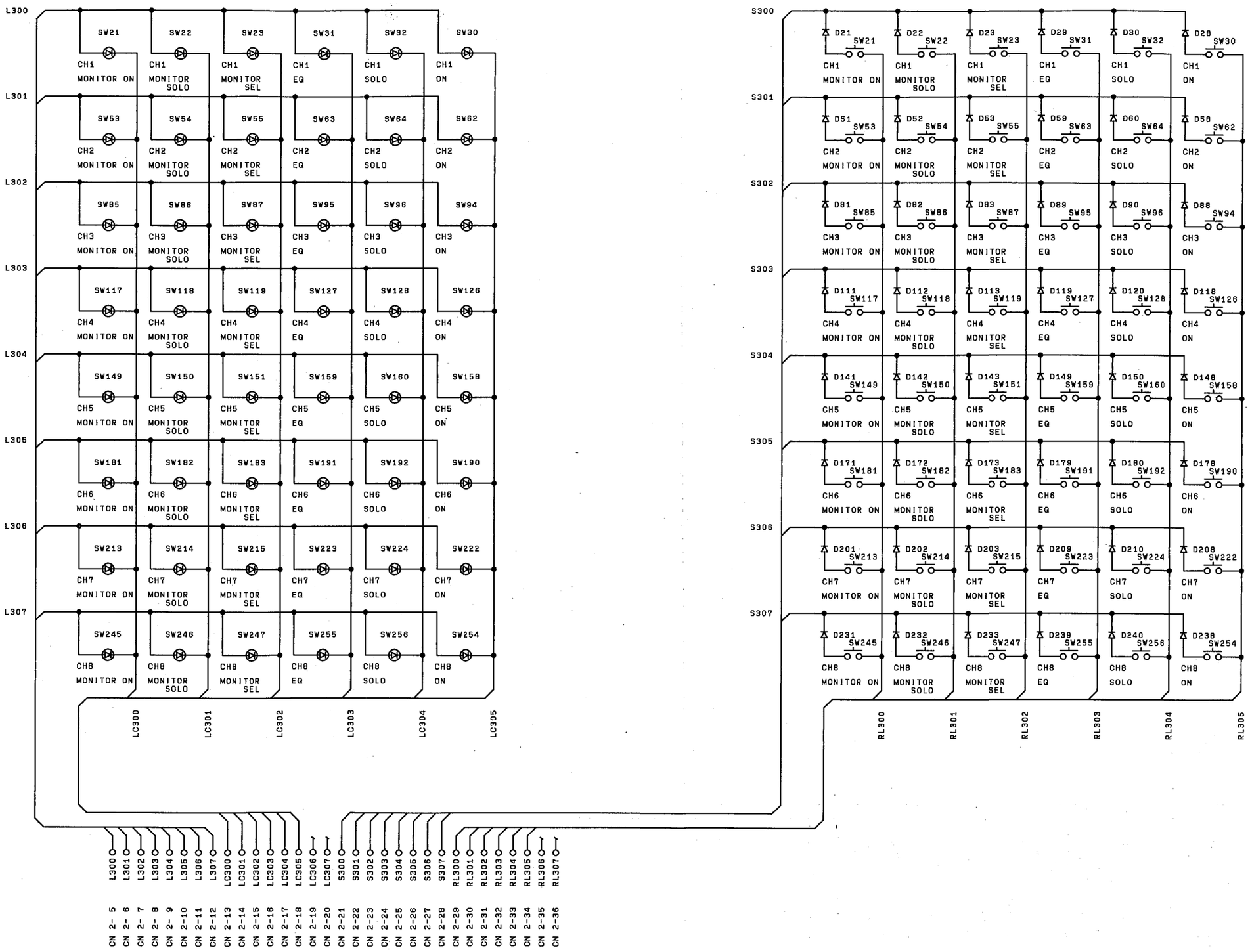
■PNL CIRCUIT DIAGRAM 1/8



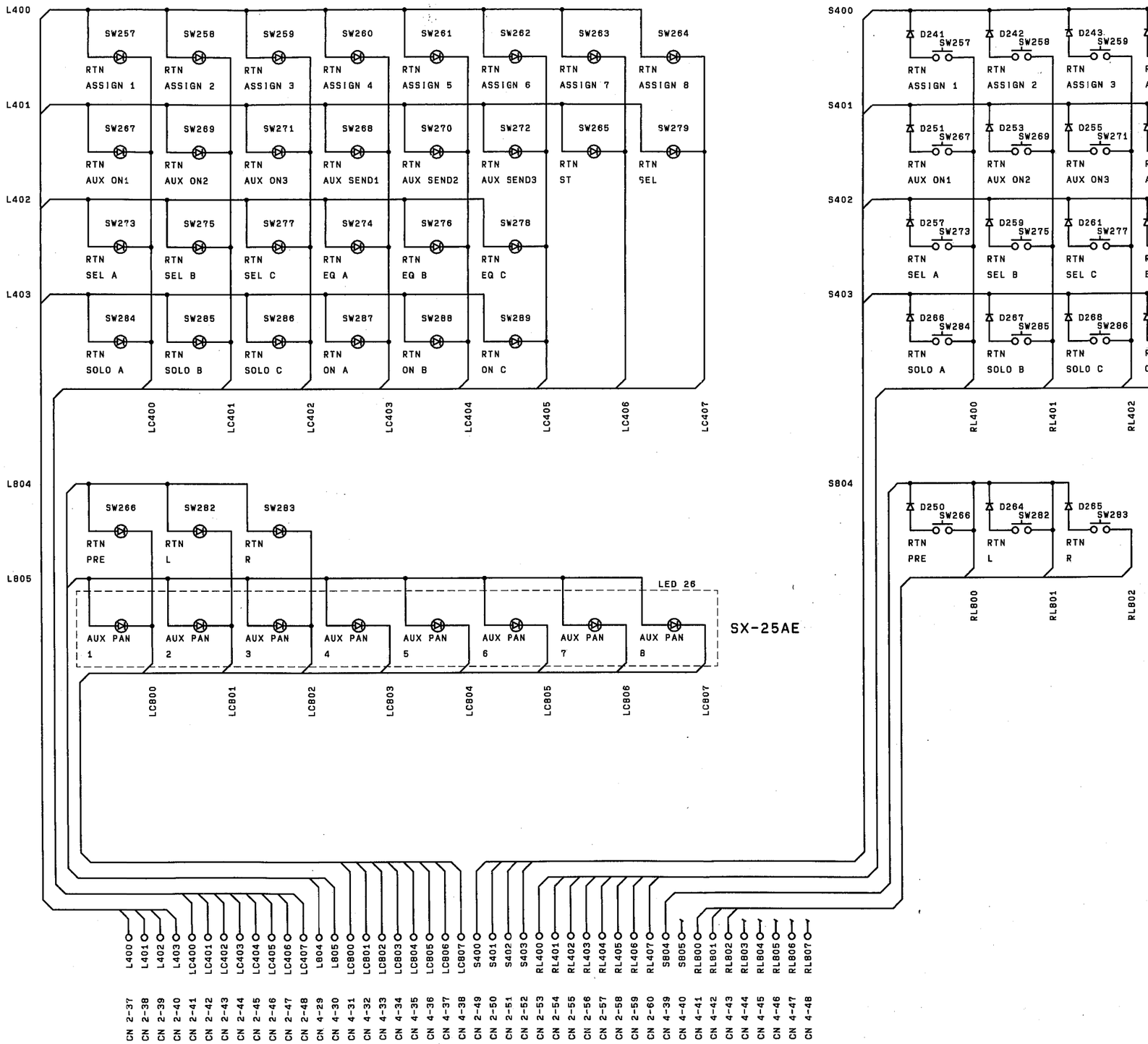
■PNL CIRCUIT DIAGRAM 2/8



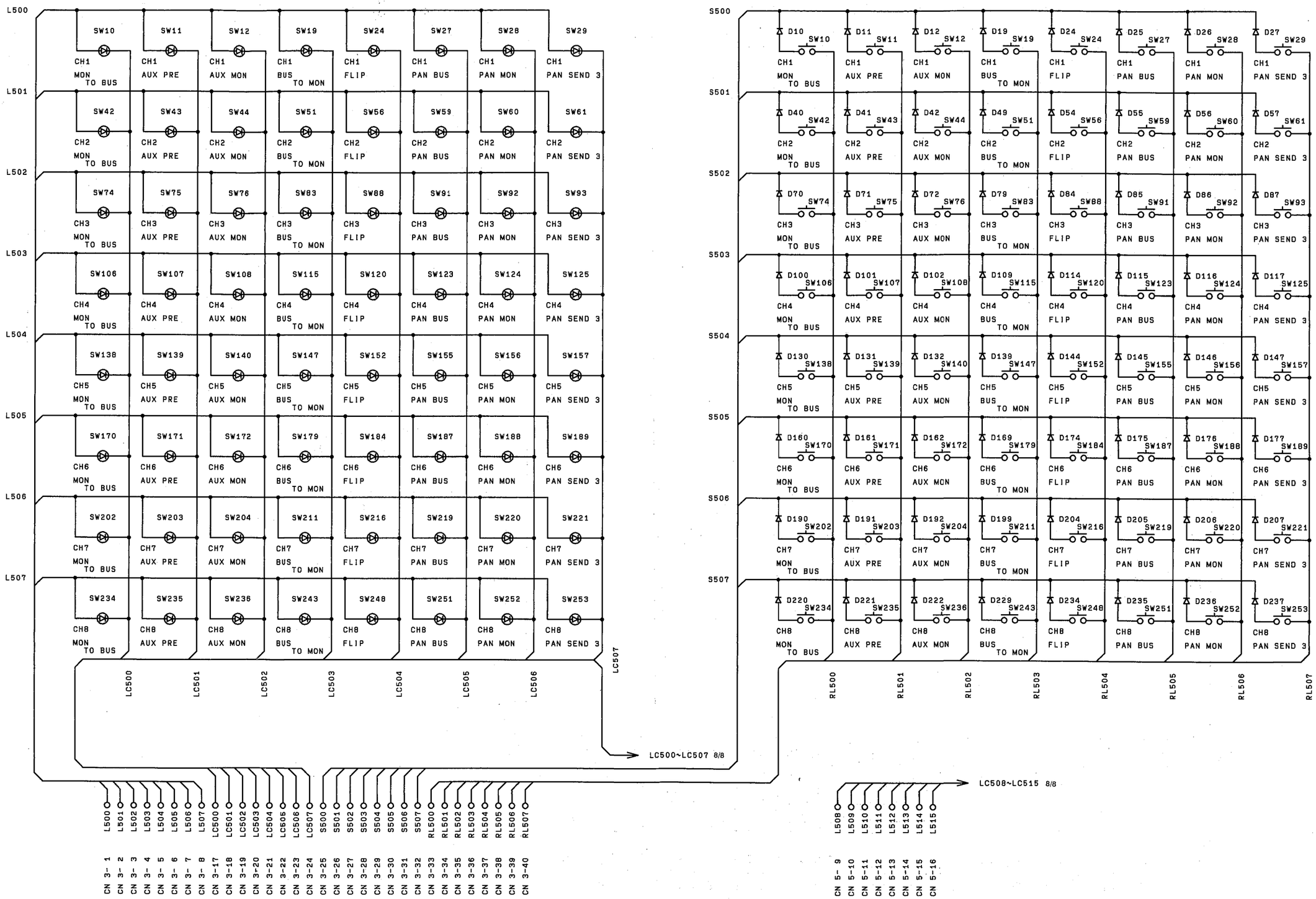
■PNL CIRCUIT DIAGRAM 3/8



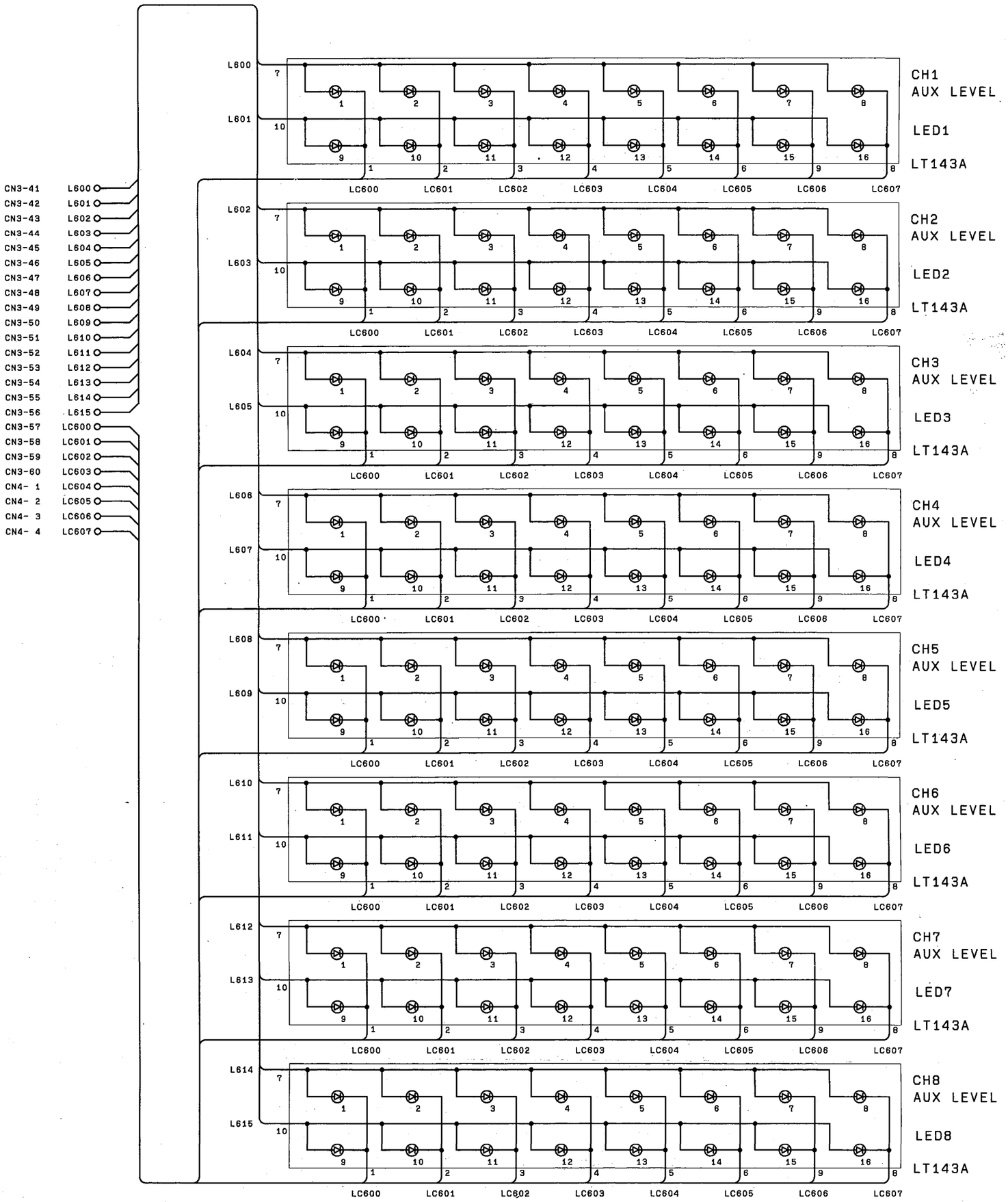
■PNL CIRCUIT DIAGRAM 4/8



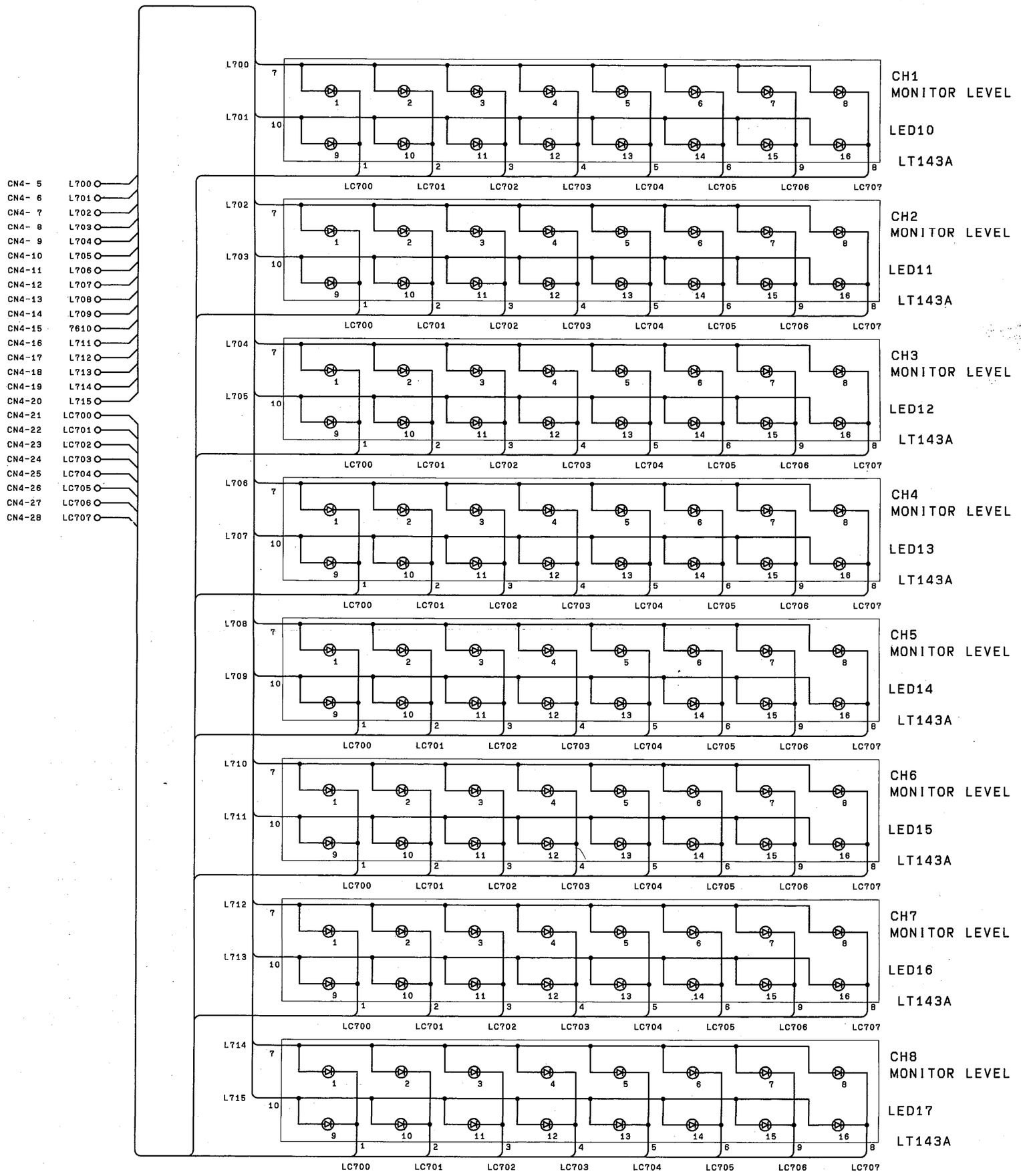
■PNL CIRCUIT DIAGRAM 5/8



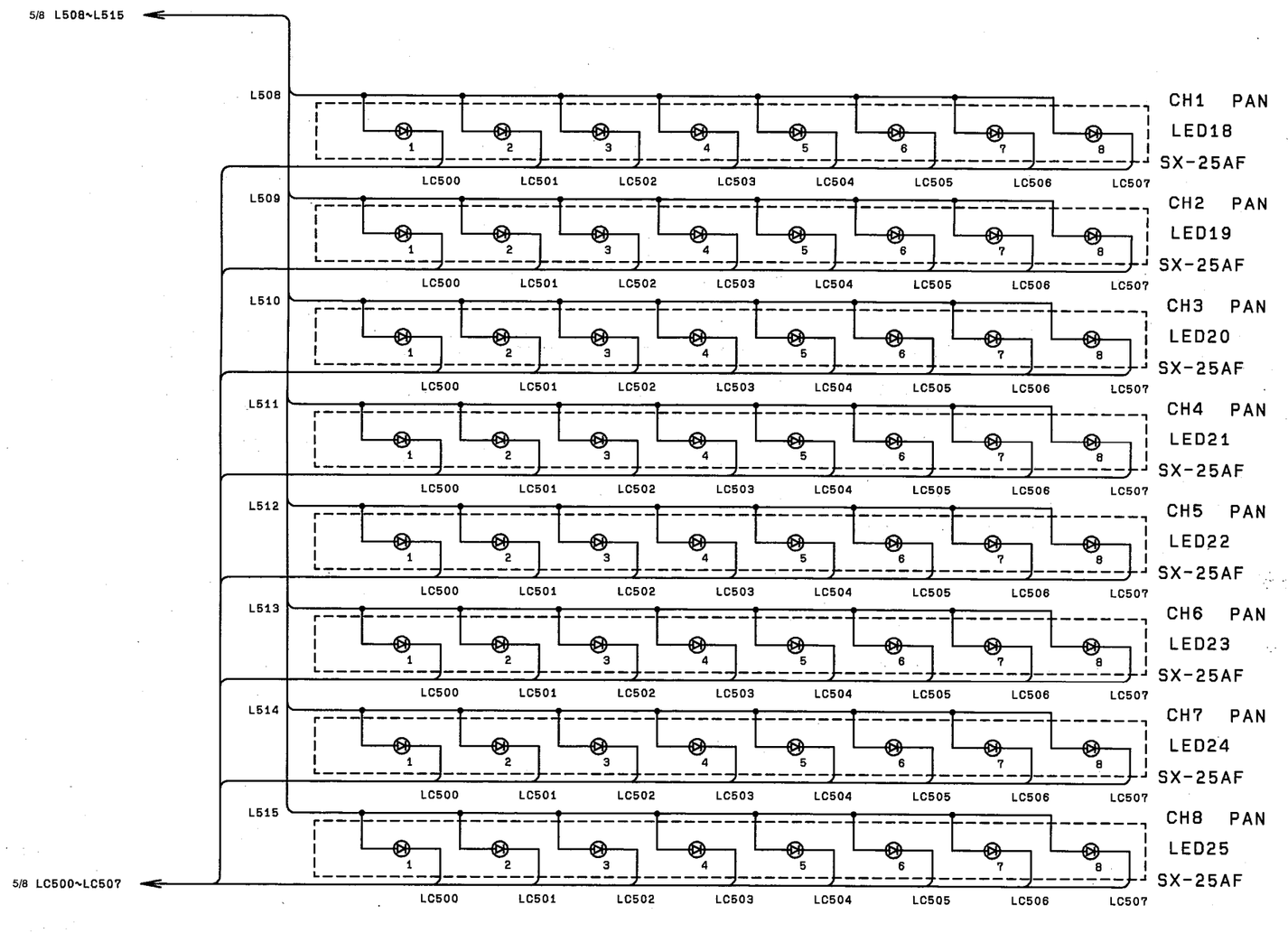
■PNL CIRCUIT DIAGRAM 6/8

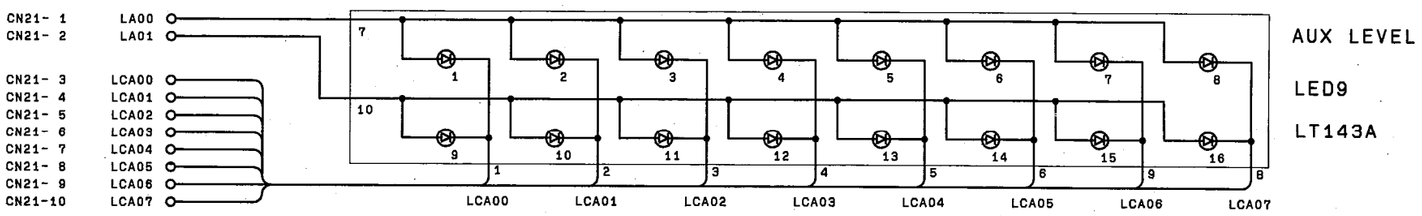


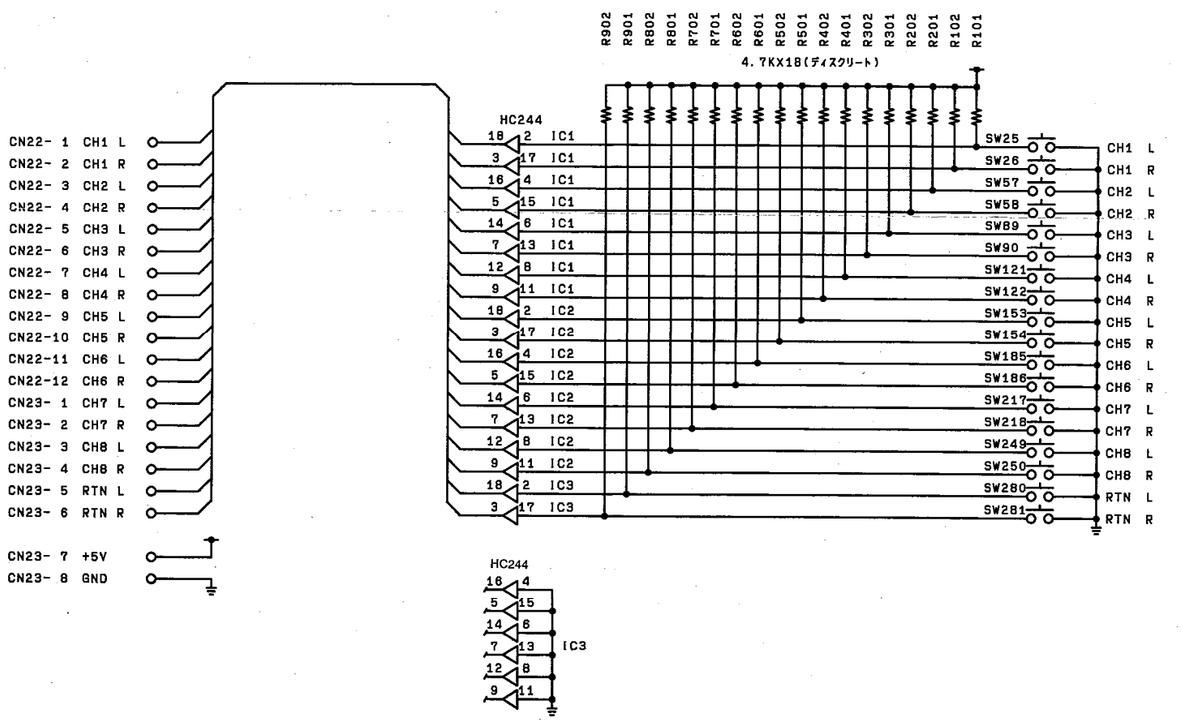
■PNL CIRCUIT DIAGRAM 7/8



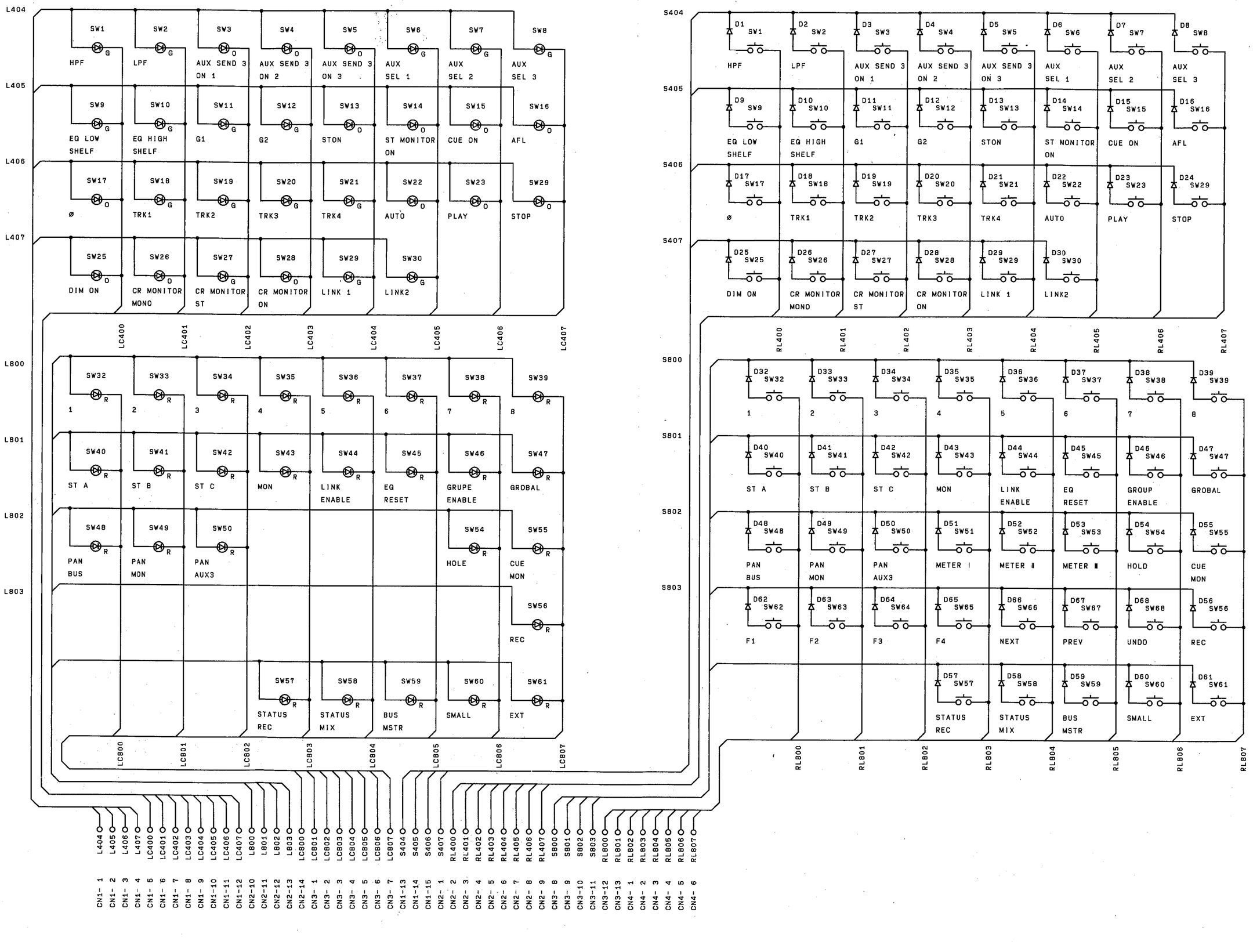
■PNL CIRCUIT DIAGRAM 8/8



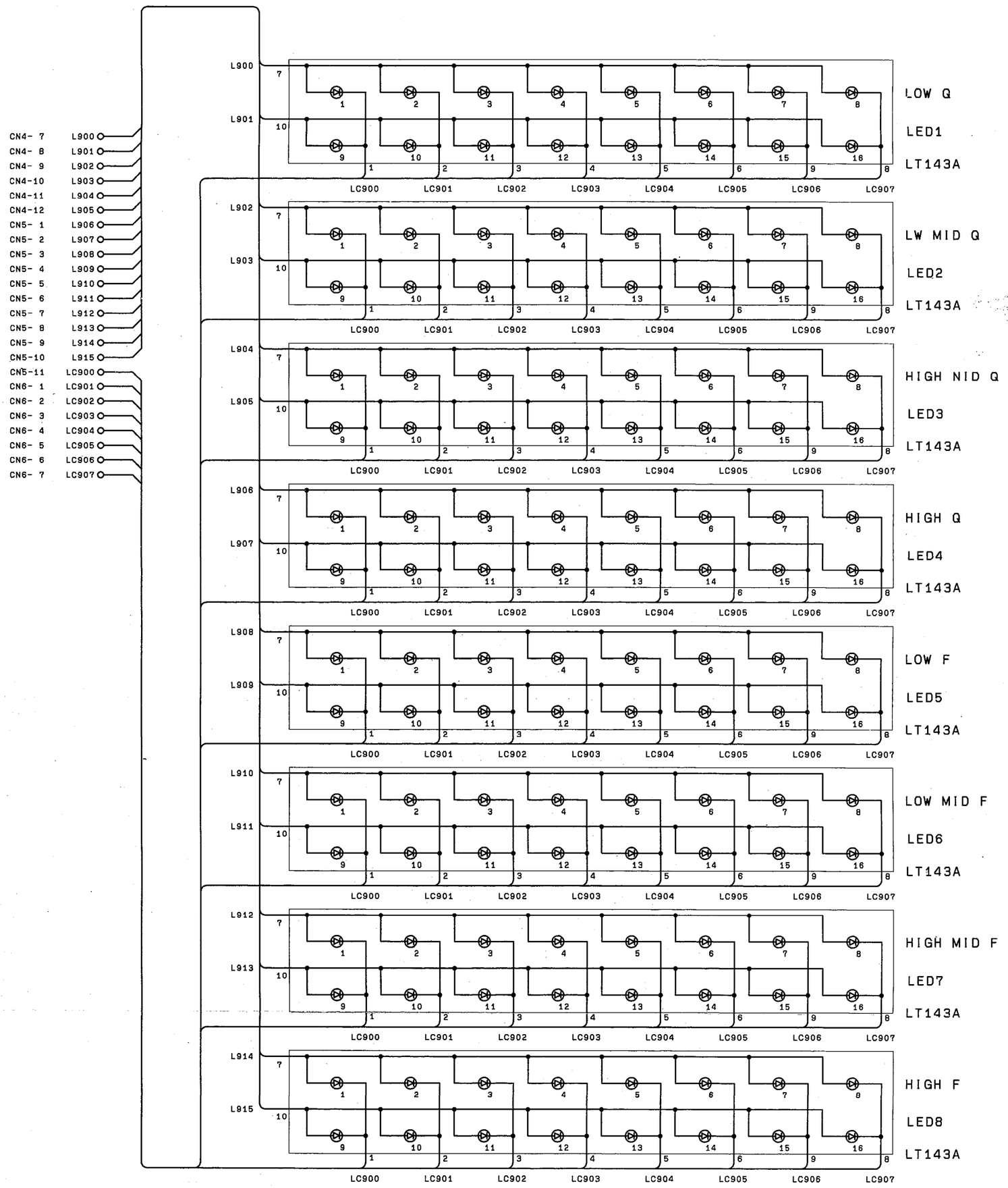




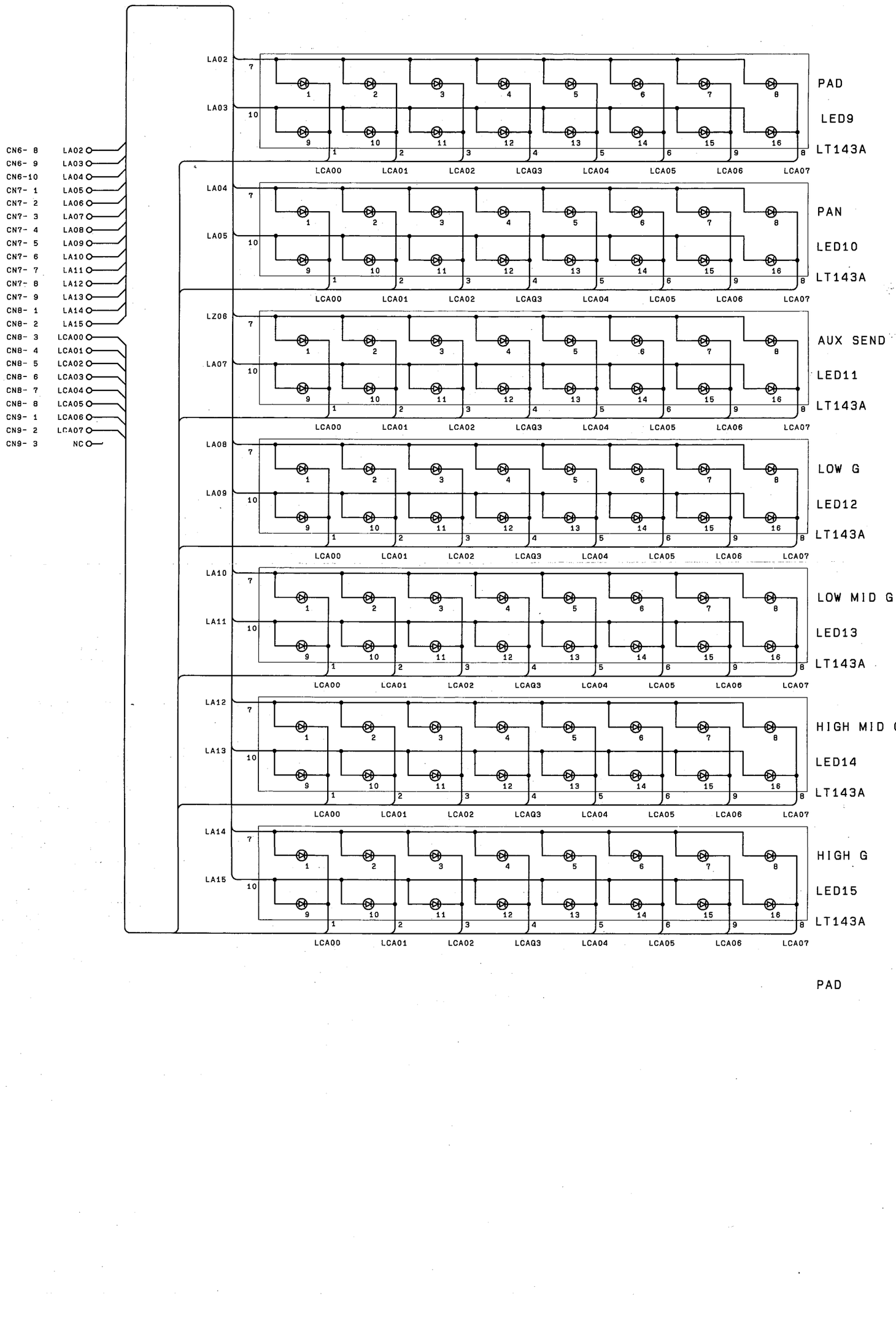
■PNR CIRCUIT DIAGRAM 1/3



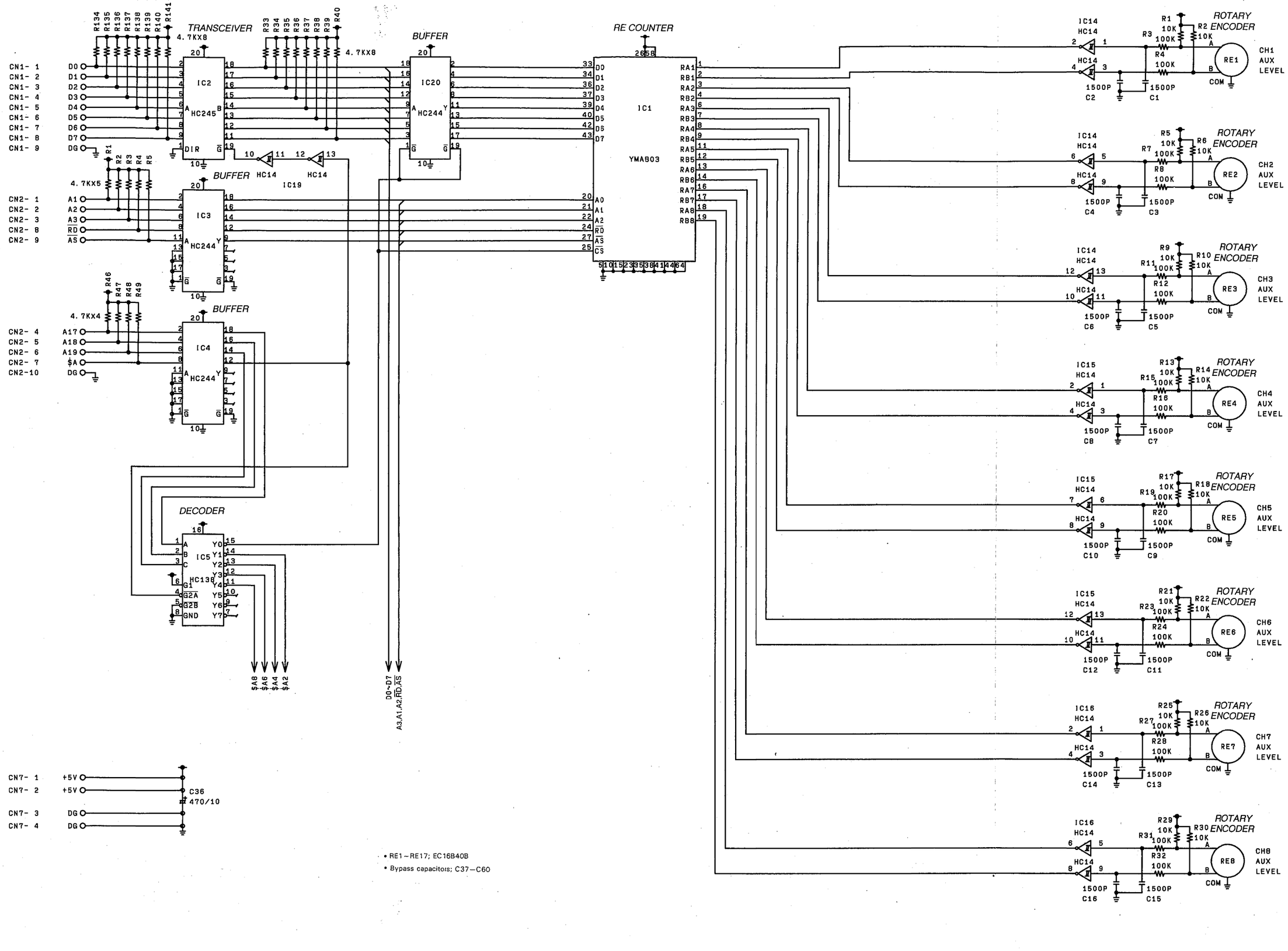
■PNR CIRCUIT DIAGRAM 2/3



■PNR CIRCUIT DIAGRAM 3/3

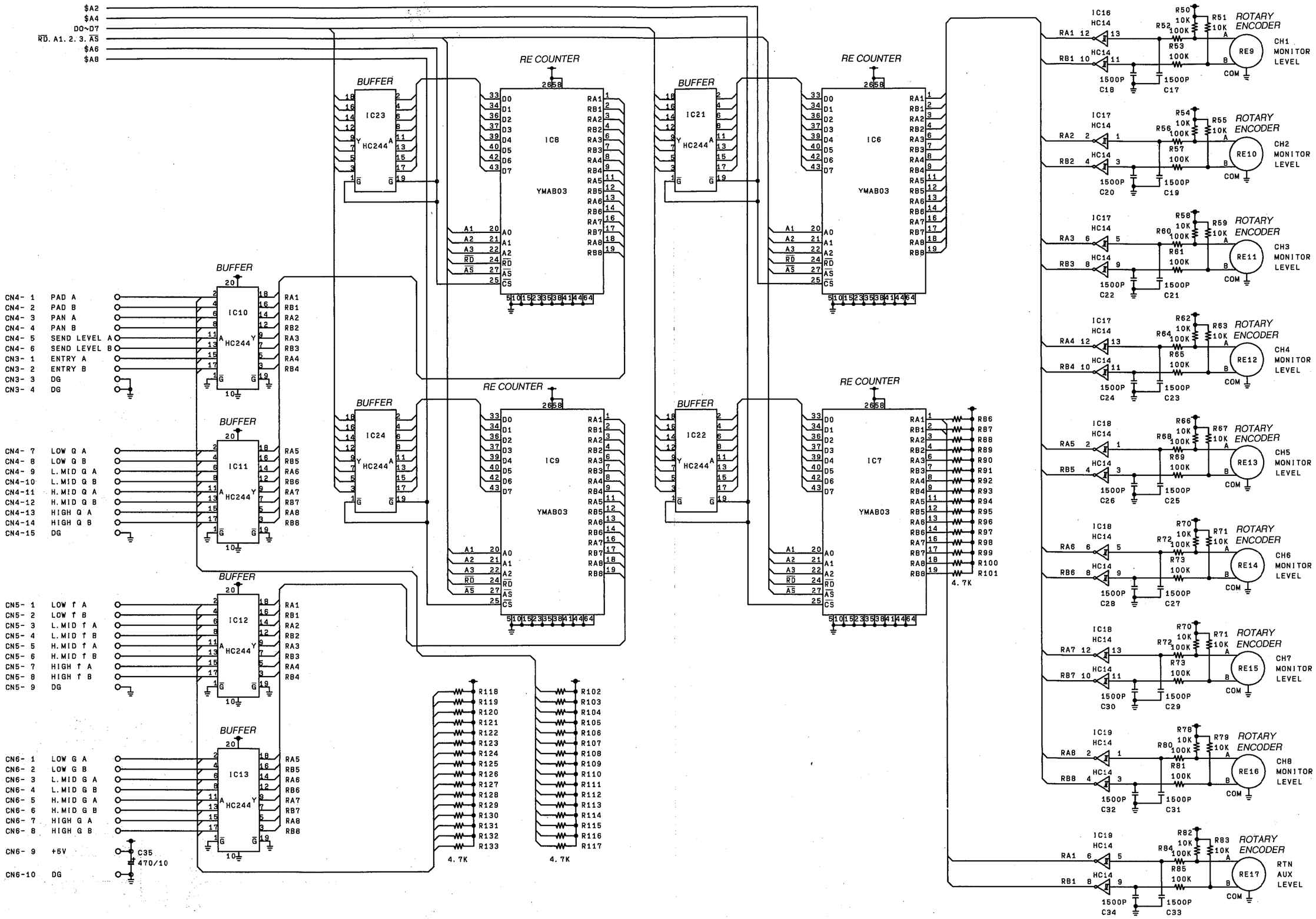


■REL CIRCUIT DIAGRAM 1/2

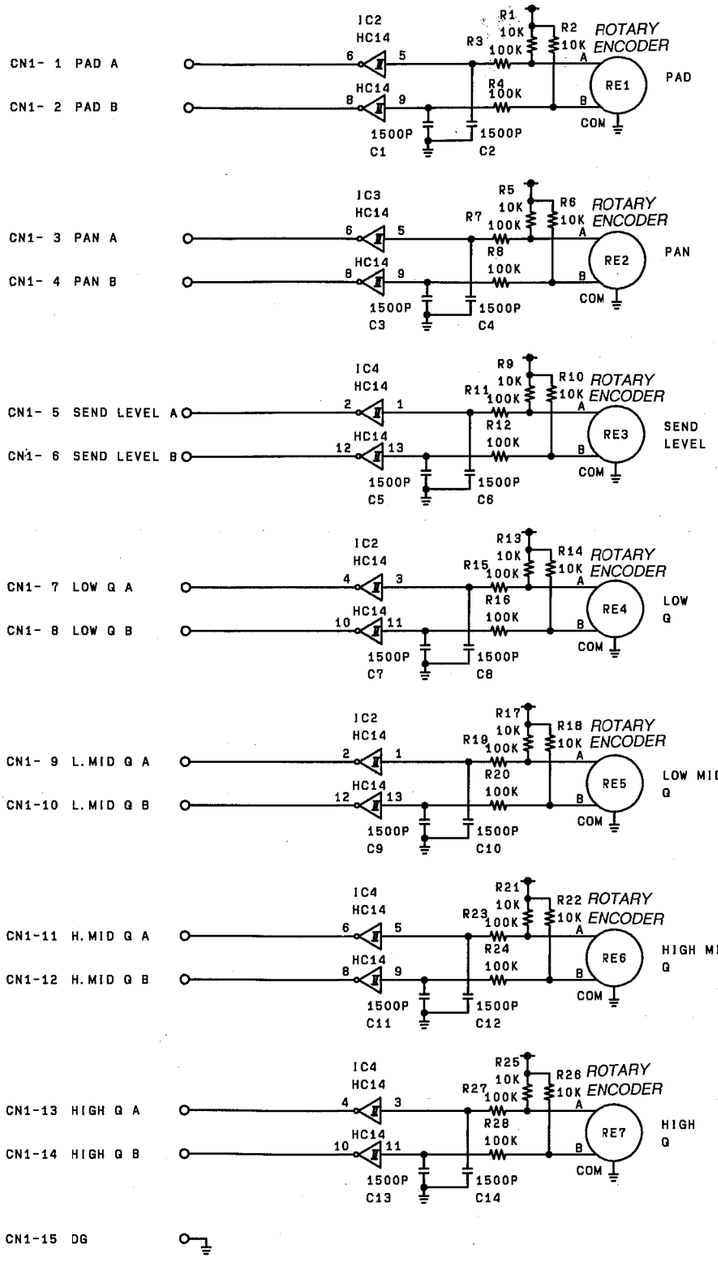


- RE1~RE17; EC16B40B
- Bypass capacitors; C37—C60

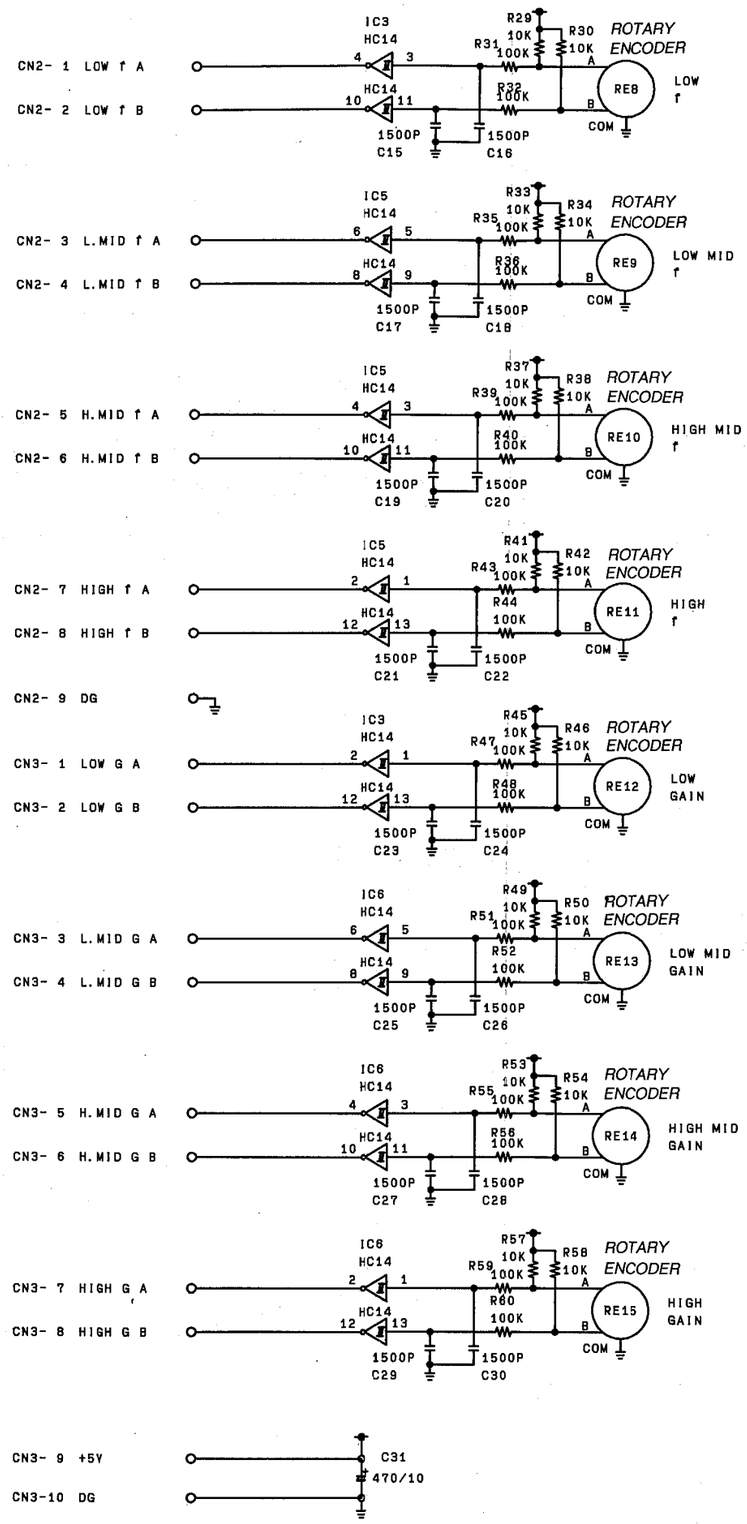
■REL CIRCUIT DIAGRAM 2/2



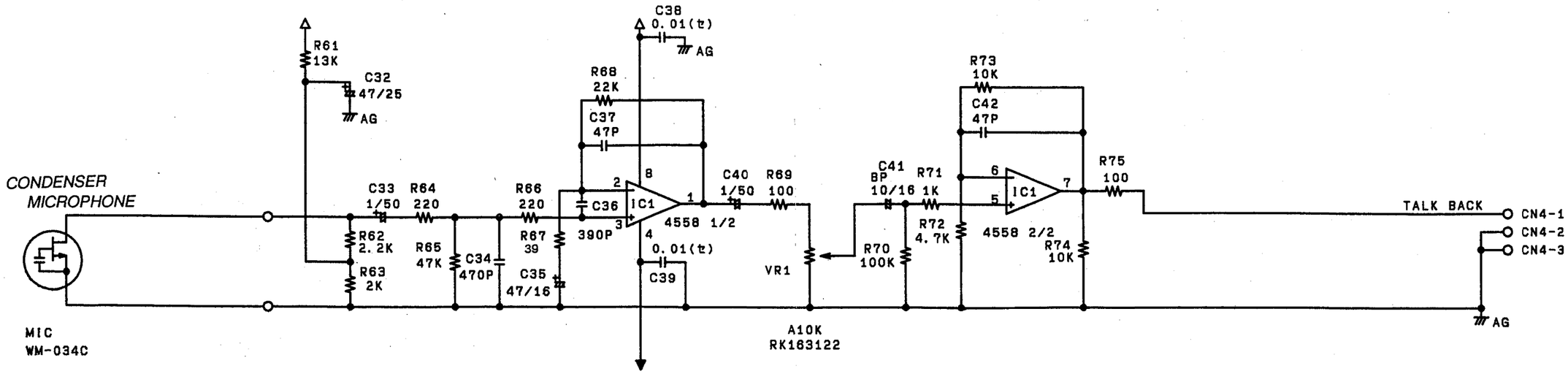
■RER CIRCUIT DIAGRAM 1/2

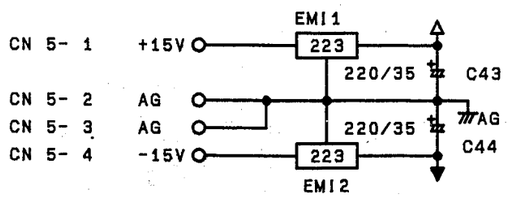


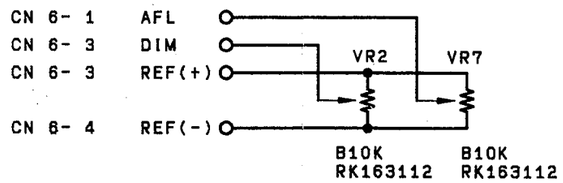
• Bypass capacitors; C45—C49

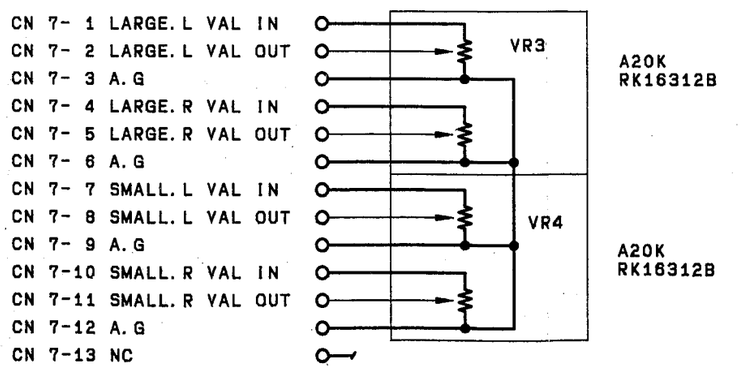


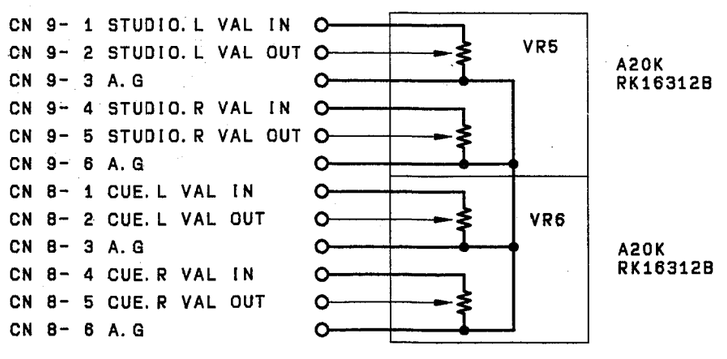
■RER CIRCUIT DIAGRAM 2/2



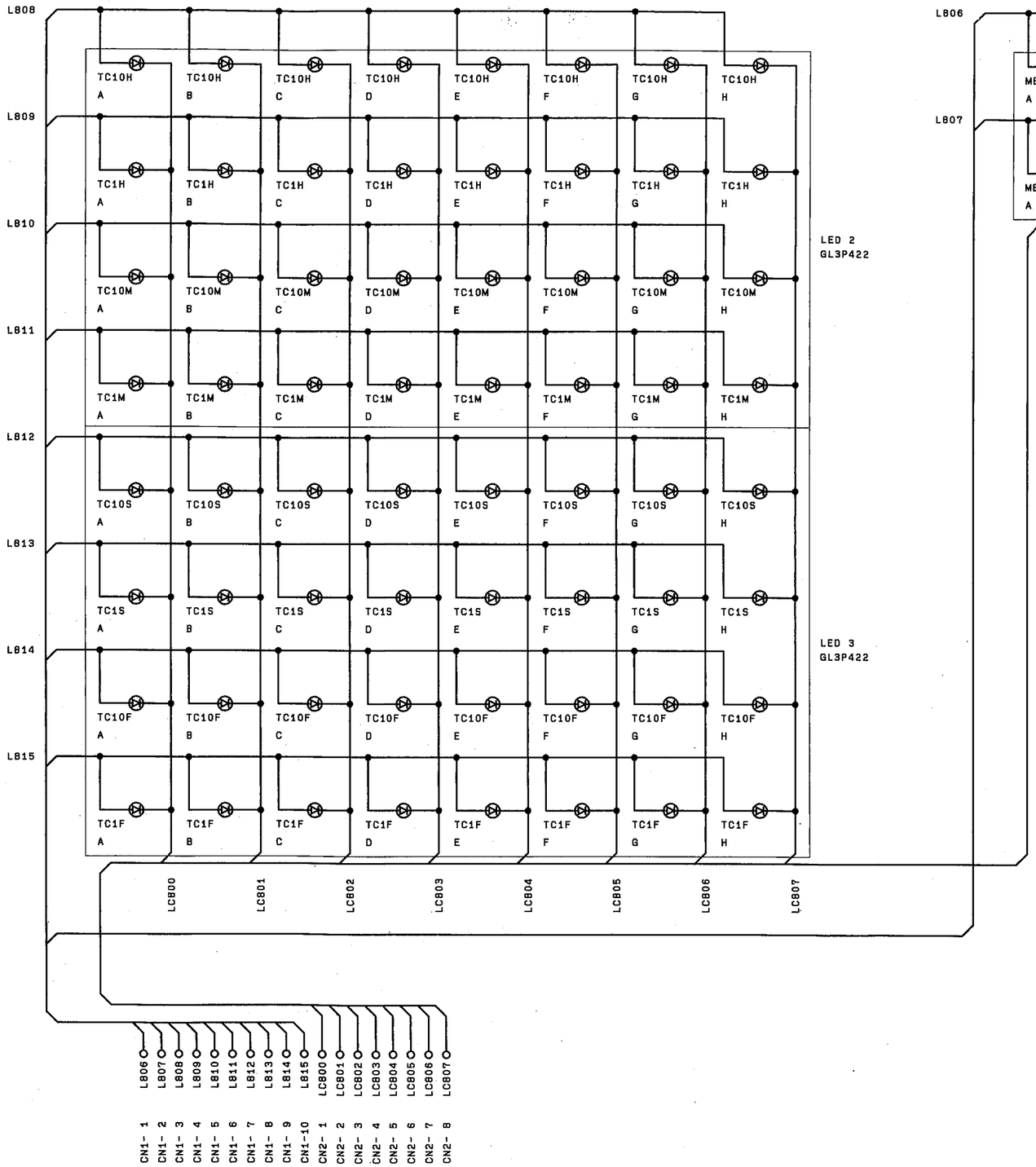


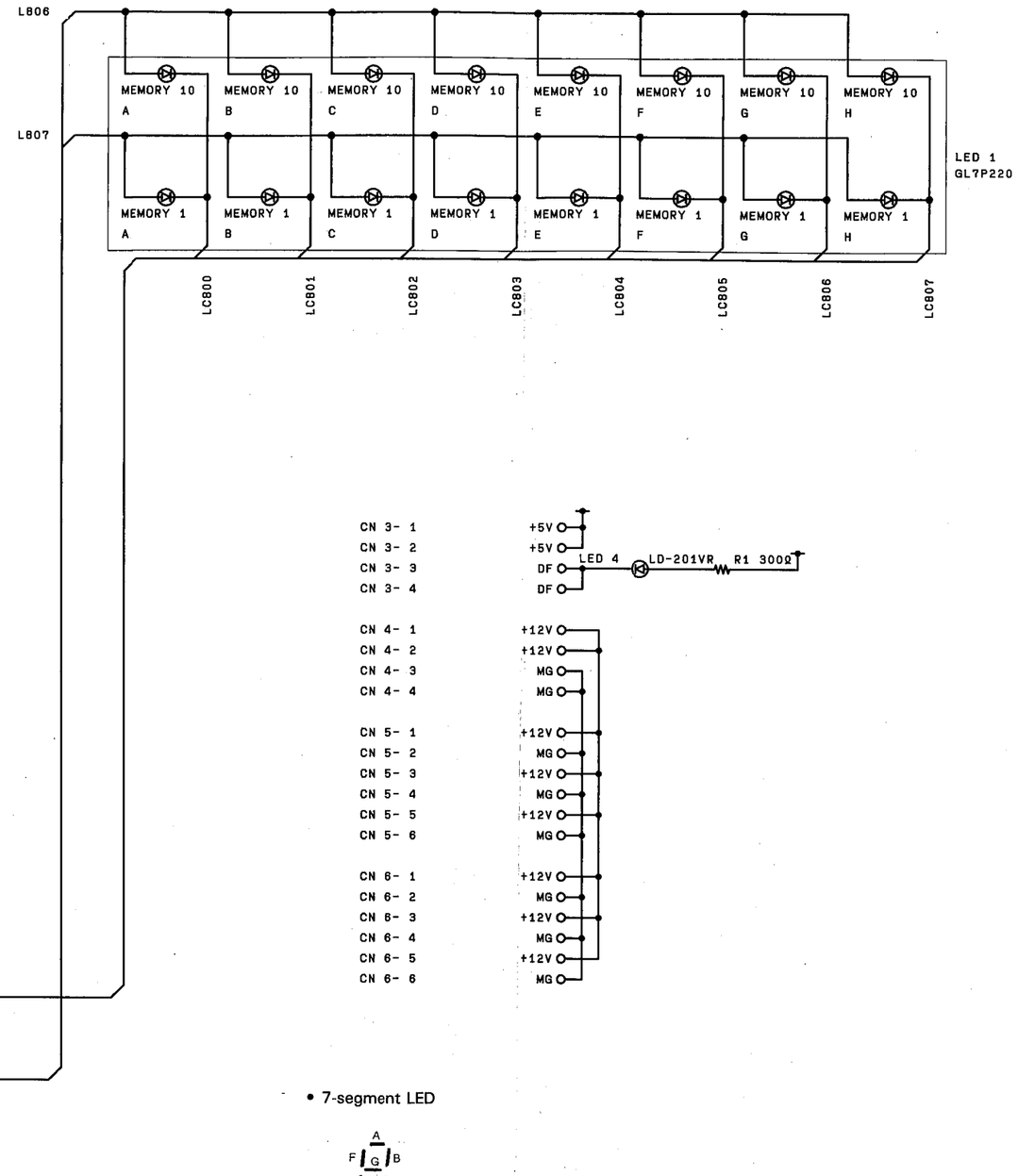




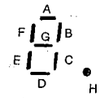


■SEG CIRCUIT DIAGRAM

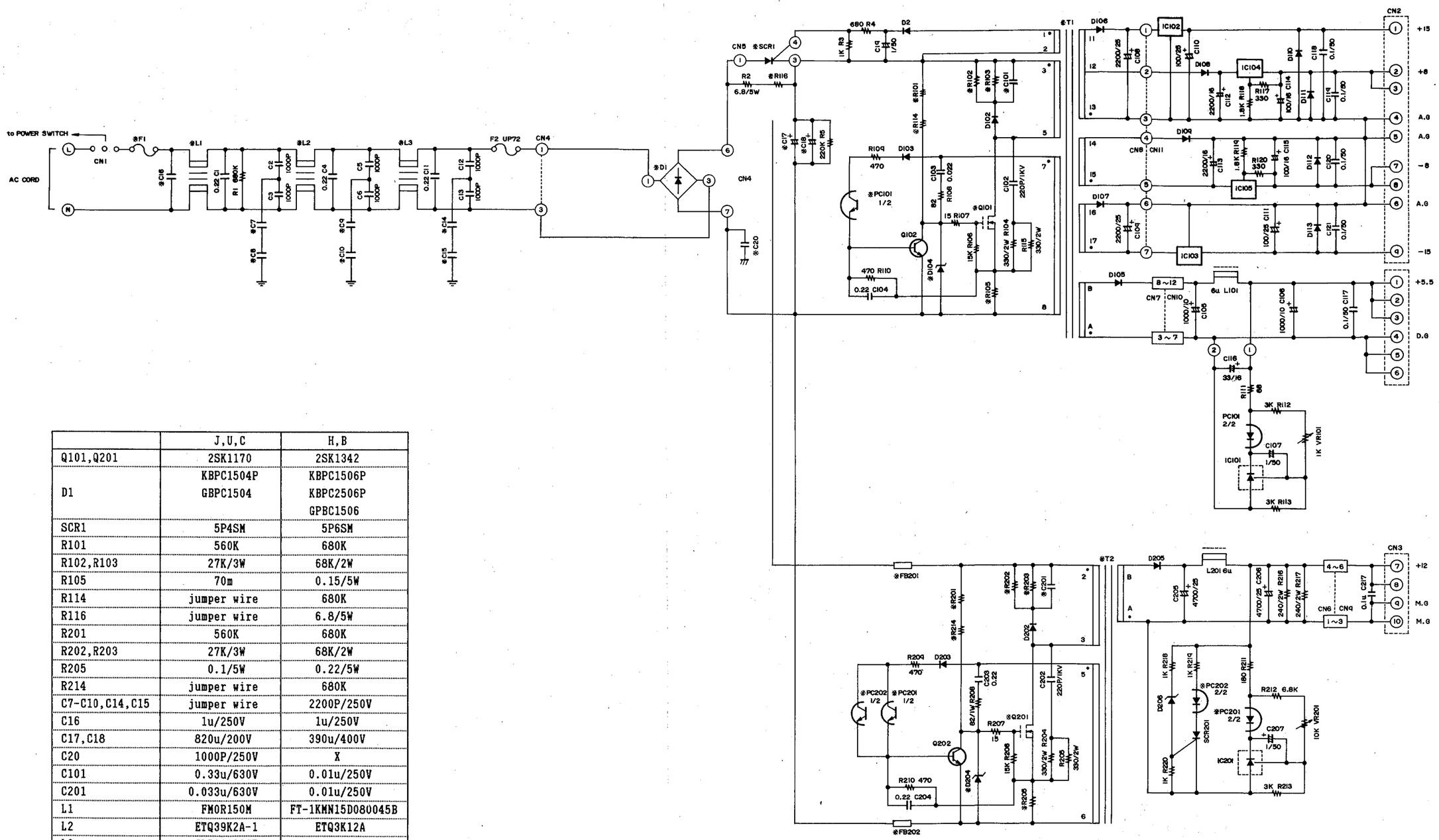




• 7-segment LED



■POWER SUPPLY UNIT



	J,U,C	H,B
Q101,Q201	2SK1170	2SK1342
D1	KBPC1504P GBPC1504	KBPC1506P KBPC2506P GPBC1506
SCR1	5P4SM	5P6SM
R101	560K	680K
R102,R103	27K/3W	68K/2W
R105	70m	0.15/5W
R114	jumper wire	680K
R116	jumper wire	6.8/5W
R201	560K	680K
R202,R203	27K/3W	68K/2W
R205	0.1/5W	0.22/5W
R214	jumper wire	680K
C7-C10,C14,C15	jumper wire	2200P/250V
C16	1u/250V	1u/250V
C17,C18	820u/200V	390u/400V
C20	1000P/250V	X
C101	0.33u/630V	0.01u/250V
C201	0.033u/630V	0.01u/250V
L1	FM0R150M	FT-1KMN15D0800045B
L2	ETQ39K2A-1	ETQ3K12A
L3	CL500300GB	CL300500FBK
FB201,FB202	LFW7B-M3R2A0	jumper wire
T1	TUM031F	TUM033F
T2	TUM030E	TUM032D
F1	6.3A/125V	T3.15A/250V

DIGITAL MIXING CONSOLE

DMC-1000

PARTS LIST

■**CONTENTS**（目次）

ELECTRICAL PARTS（電気部品）. 1
OVERALL ASSEMBLY（総組立）. 11
FRONT PANEL ASSEMBLY（フロントパネルAss'y）. . . . 13
PANEL ASSEMBLY（パネルAss'y）. 16
BOTTOM ASSEMBLY（ボトムAss'y）. 22
POWER SUPPLY ASSEMBLY（電源Ass'y）. 26
ACCESORIES（付属品）. 27

Notes DESTINATION ABBREVIATIONS

J	: Japanese model	A	: Australian model
U	: U.S. model	E	: European model
C	: Canadian model	D	: German model
X	: General model	B	: British model
M	: South African model	I	: Indonesian model
H	: North European model		

■ELECTRICAL PARTS（電気部品）

Ref. No.	Part No.	Description		部品名	Remarks	ランク
	VK707500	Circuit Board	ANA1/2	ＡＮＡ1/2シート		78
	VK707600	Circuit Board	ANA2/2	ＡＮＡ1/2シート		78
	VK155000	Circuit Board	CA	ＣＡシート		10
	VK708100	Circuit Board	CIN1/2	ＣＩＮ1/2シート		65
	VK708200	Circuit Board	CIN2/2	ＣＩＮ2/2シート		65
	VK708300	Circuit Board	CLK1/2	ＣＬＫ1/2シート		50
	VK708400	Circuit Board	CLK2/2	ＣＬＫ2/2シート		51
	VK151200	Circuit Board	CPU	ＣＰＵシート		
	VK152400	Circuit Board	CRA	ＣＲＡシート		22
	VK152100	Circuit Board	CRC	ＣＲＣシート		44
	VK152200	Circuit Board	CRD	ＣＲＤシート		26
	VK152600	Circuit Board	CRE	ＣＲＥシート		45
	VK152300	Circuit Board	CRF	ＣＲＦシート		36
	VK152500	Circuit Board	CRG	ＣＲＧシート		25
	VK152700	Circuit Board	CRH	ＣＲＨシート		31
	VK152800	Circuit Board	CRI	ＣＲＩシート		27
	VK152900	Circuit Board	CRJ	ＣＲＪシート		27
	VK153300	Circuit Board	CRK	ＣＲＫシート		34
	VK153600	Circuit Board	CRL	ＣＲＬシート		30
	VK153500	Circuit Board	CRM	ＣＲＭシート		20
	VK151300	Circuit Board	DSP	ＤＳＰシート		91
	VL686700	Circuit Board	DTB	ＤＴＢシート	J	26
	VL686900	Circuit Board	DTB	ＤＴＢシート	U,C	27
	VL687100	Circuit Board	DTB	ＤＴＢシート	H,B	26
	VK154400	Circuit Board	FPC	ＦＰＣシート		17
	NX810190	Circuit Board	FPE1/3	ＦＰＥ1/3シート		
	NX810200	Circuit Board	FPE2/3	ＦＰＥ2/3シート		
	NX810210	Circuit Board	FPE3/3	ＦＰＥ3/3シート		
	VK153700	Circuit Board	HP	ＨＰシート		15
	VK707700	Circuit Board	IN1/2	ＩＮ1/2シート		66
	VK707800	Circuit Board	IN2/2	ＩＮ2/2シート		69
	VK153800	Circuit Board	MBD	ＭＢＤシート		54
	VK244600	Circuit Board	MDR	ＭＤＲシート		20
	NX810180	Circuit Board	NML	ＮＭＬシート		
	VK707900	Circuit Board	OUT1/2	ＯＵＴ1/2シート		74
	VK708000	Circuit Board	OUT2/2	ＯＵＴ2/2シート		74
	VK154000	Circuit Board	PM	ＰＭシート		41
	VK151400	Circuit Board	PMD	ＰＭＤシート		51
	VK154200	Circuit Board	PMS	ＰＭＳシート		17
	VK151500	Circuit Board	PND	ＰＮＤシート		55
	VK154600	Circuit Board	PNL	ＰＮＬシート		79
	VK154700	Circuit Board	PNR	ＰＮＲシート		60
	VK154800	Circuit Board	REL	ＲＥＬシート		59
	VK154900	Circuit Board	RER	ＲＥＲシート		53
	VK154100	Circuit Board	SEG	ＳＥＧシート		16
	VK707500	Circuit Board	ANA1/2	ＡＮＡ1/2シート		78
	VK707600	Circuit Board	ANA2/2	ＡＮＡ2/2シート		78
	IG052500	IC	TL082CP	ＩＣ	OP AMP.	04
	IG076700	IC	NE5534P	ＩＣ	OP AMP.	05
	IG102500	IC	NE5532P	ＩＣ	OP AMP.	06
	XA013001	IC	M5238P	ＩＣ	OP AMP.	04
	IG157200	IC	AN78L05	ＩＣ	+5V REGULATOR	03
	XF611A00	IC	AN79L05	ＩＣ	-5V REGULATOR	03
	IG033400	IC	μPC311C	ＩＣ	COMPARATOR	05
	XC555001	IC	NJU211D	ＩＣ	ANALOG SWITCH	07
	IR000450	IC	SN74HC04N	ＩＣ	INVERTER	03
	IR000850	IC	SN74HC08N	ＩＣ	AND PCB=XH840C0	03
	IR003250	IC	SN74HC32N	ＩＣ	OR PCB=XH840C0	03
	IR024450	IC	SN74HC244	ＩＣ	BUS-BUFFER	07
	XH751A00	IC	SM5803APT	ＩＣ	DIGITAL FILTER	16
	XH987A00	IC	PCM63P-Y	ＩＣ	D/A CONVERTER	17
	XI521A00	IC	AK5328-VP	ＩＣ	A/D CONVERTER	25
	IA101580	Transistor	2SA1015 O,Y	トランジスタ		01
	IC181580	Transistor	2SC1815 Y,GR	トランジスタ		01
	IC287820	Transistor	2SC2878 A,B	トランジスタ		01
	VD488500	Digital Transistor	DTC143XS	デジタルトランジスタ		03
	IH000240	Diode	1S1885	ダイオード		01
	VB481900	Diode	11ES4	ダイオード		01
	IF003450	Diode	1SS133	ダイオード		01
	IF005660	Zener Diode	RD27EB3 27V	ツェナーダイオード		01
	IX608000	Zener Diode	MTZ4.7B	ツェナーダイオード	PCB=XH840B0	02
	VC819600	Metal Film Resistor	75.0Ω 1/6 F	金属皮膜抵抗		01
	VC820900	Metal Film Resistor	220.0Ω 1/6 F	金属皮膜抵抗		01
	VC821600	Metal Film Resistor	430.0Ω 1/6 F	金属皮膜抵抗		01
	VC821800	Metal Film Resistor	510.0Ω 1/6 F	金属皮膜抵抗		01
	VC822500	Metal Film Resistor	1.0KΩ 1/6 F	金属皮膜抵抗		01
	VB065900	Metal Film Resistor	1.5KΩ 1/4 F	金属皮膜抵抗		01
	VC824000	Metal Film Resistor	4.3KΩ 1/6 F	金属皮膜抵抗	PCB=XH840B0	01

＊: New Parts（新規部品） NR

ランク：Japan Only

Ref. No.	Part No.	Description		部品名	Remarks	ランク
	VA074200	Metal Film Resistor	5.1KΩ 1/4 F	金属皮膜抵抗	PCB=XH840C0	01
	VC824700	Metal Film Resistor	8.2KΩ 1/6 F	金属皮膜抵抗	PCB=XH840B0	01
	VC824900	Metal Film Resistor	10.0KΩ 1/6 F	金属皮膜抵抗		01
	VC825100	Metal Film Resistor	12.0KΩ 1/6 F	金属皮膜抵抗		01
	VC825200	Metal Film Resistor	13.0KΩ 1/6 F	金属皮膜抵抗	PCB=XH840B0	01
	VC825700	Metal Film Resistor	22.0KΩ 1/6 F	金属皮膜抵抗	PCB=XH840B0	01
	VB068200	Metal Film Resistor	24.0KΩ 1/4 F	金属皮膜抵抗	PCB=XH840C0	01
	VC826300	Metal Film Resistor	39.0KΩ 1/6 F	金属皮膜抵抗		01
	VC826400	Metal Film Resistor	43.0KΩ 1/6 F	金属皮膜抵抗		01
	VC826900	Metal Film Resistor	68.0KΩ 1/6 F	金属皮膜抵抗		01
	HT560030	Trimmer Potentiometer	B500 3P 3321H	半固定ボリューム	PCB=XH840C0	05
	VD753100	Trimmer Potentiometer	B5.0K 3P EVN	半固定ボリューム	PCB=XH840C0	01
	VA024800	Trimmer Potentiometer	B10K EVN-D4A	半固定ボリューム	PCB=XH840B0	02
	VA788500	Trimmer Potentiometer	B220K 3P RHE	半固定ボリューム		01
*	UJ858330	Electrolytic Cap.	330μ 35V	ケミコン		01
	VD843800	Ceramic Cap.	10000P 16V N	円筒セラ（Y）		01
	VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
	VF611200	Monolithic Cera. Cap.	0.1μ 50V K	積層セラコン		02
	VD534400	Monolithic Cera. Cap.	1.5μ 25V Z	積層セラコン	PCB=XH840B0	01
	VJ663000	Monolithic Mylar Cap.	0.022μ 50V J	積層マイラーコン		01
	VJ663100	Monolithic Mylar Cap.	0.22μ 50V J	積層マイラーコン		01
	FZ006920	EMI Filter	LS MT B271KB	ＬＣフィルター ＥＭＩ	270P	01
	FZ006970	EMI Filter	LS MT Y223NB	ＬＣフィルター ＥＭＩ	22000P	02
	VD613500	Relay	DC AG 8023	リレー		06
	GE300610	Ferrite Bead	BL02RN1-R62T4	フェライトビーズ		01
	VC719300	Terminal Plate	P-424	ターミナル金具	1pc.	01
*	VK155000	Circuit Board	CA	ＣＡシート		10
	VF821100	Connector, IC Card	IC3A-38PS-1.27D	ＩＣカード用コネクタ	38P MEMORY CARD	06
*	VK708100	Circuit Board	CIN1/2	ＣＩＮ1/2シート		65
*	VK708200	Circuit Board	CIN2/2	ＣＩＮ2/2シート		65
	IG157200	IC	AN78L05	ＩＣ	+5V REGULATOR	03
	IR000450	IC	SN74HC04N	ＩＣ	INVERTER	03
	IR000850	IC	SN74HC08N	ＩＣ	AND	03
	IR003250	IC	SN74HC32N	ＩＣ	OR	03
	IR007450	IC	SN74HC74N	ＩＣ	D-FF	04
	IR012300	IC	TC74HC123AP	ＩＣ	MONO-FF	04
	IR012550	IC	SN74HC125N	ＩＣ	3S-BUFFER	03
	IR013850	IC	SN74HC138N	ＩＣ	DECODER 3-8	05
	IR013950	IC	SN74HC139N	ＩＣ	DECODER 2-4	05
*	IR015150	IC	SN74HC151N	ＩＣ	MULTIPLEXER	02
	IR015350	IC	SN74HC153N	ＩＣ	4-1 SELECTOR	03
	IR015750	IC	SN74HC157N	ＩＣ	DATA-SELECTOR	02
	IR016350	IC	SN74HC163N	ＩＣ	COUNTER	03
	IR016450	IC	SN74HC164N	ＩＣ	SHIFT REGISTER	05
	IR024450	IC	SN74HC244	ＩＣ	BUS-BUFFER	07
	IR027350	IC	SN74HC273N	ＩＣ	D-FF OCTAL	05
	IR037450	IC	SN74HC374N	ＩＣ	D-FF	06
	XE800A00	IC	YM6035	ＩＣ	PSC2	11
	XE862B00	IC	YM3422B	ＩＣ	ESI	05
*	XG948C00	IC	YM3436BG	ＩＣ	DIR2	
	XH494A00	IC	YM6067	ＩＣ	PSC4	10
*	XH888A00	IC	YMAB04	ＩＣ	BIT SHIFT	11
	IC181580	Transistor	2SC1815 Y,GR	トランジスタ		01
	IF003450	Diode	1SS133	ダイオード		01
	UJ838470	Electrolytic Cap.	470μ 16V	ケミコン		01
	FZ004100	Semiconductive Cera. Cap.	0.1μ 16V M	半導体セラコン		01
	VJ786300	Monolithic Cera. Cap.	0.22μ 50V Z	積層セラコン		01
	VD534400	Monolithic Cera. Cap.	1.5μ 25V Z	積層セラコン		01
	--	Chip Cera. Cap.	F 0.01μ 50V Z	チップ積層セラコン		
	FZ006970	EMI Filter	LS MT Y223NB	ＬＣフィルター ＥＭＩ	22000P	02
	KA401270	Slide Switch	SSS212	スライドスイッチ	2pcs	03
*	VK500200	Slide Switch	SSSS213	スライドスイッチ	2pcs	01
*	VK708300	Circuit Board	CLK1/2	ＣＬＫ1/2シート		50
*	VK708400	Circuit Board	CLK2/2	ＣＬＫ2/2シート		51
	IG157200	IC	AN78L05	ＩＣ	+5V REGULATOR	03
	IG116200	IC	PST518B-2	ＩＣ	SYSTEM RESET	04
	IG057900	IC	MC4044	ＩＣ	F.DETECT	08
	IG136400	IC	SN74LS624N	ＩＣ	VCO	07
	IG142250	IC	SN74HCU04N	ＩＣ	INVERTER	01
	IR000050	IC	SN74HC00N	ＩＣ	NAND	03
	IR000450	IC	SN74HC04N	ＩＣ	INVERTER	03
	IR000850	IC	SN74HC08N	ＩＣ	AND	03
	IR001450	IC	SN74HC14N	ＩＣ	INVERTER	05
	IR003250	IC	SN74HC32N	ＩＣ	OR	03
	IR007450	IC	SN74HC74N	ＩＣ	D-FF	04
	IR008600	IC	TC74HC86P	ＩＣ	EX-OR	02

＊：New Parts（新規部品）　NR　　ランク：Japan Only

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
		IR012300	IC	TC74HC123AP	I C	MONO-FF	04
		IR012550	IC	SN74HC125N	I C	3S-BUFFER	03
		IR013950	IC	SN74HC139N	I C	DECODER 2-4	05
		IR015400	IC	TC74HC154AP	I C	DECODER 4-16	04
		IR015750	IC	SN74HC157N	I C	DATA-SELECTOR	02
		IR016350	IC	SN74HC163N	I C	COUNTER	03
		IR018450	IC	SN74HC164N	I C	SHIFT REGISTER	05
		IR016550	IC	SN74HC165N	I C	SHIFT REGISTER	04
		IR024450	IC	SN74HC244	I C	BUS-BUFFER	07
		IR027350	IC	SN74HC273N	I C	D-FF OCTAL	05
		IR037350	IC	SN74HC373N	I C	D-LATCH	05
		IR407200	IC	TC74HC4072AP	I C	OR	02
		IG105200	IC	HD63B03RP	I C	CPU 8bit	16
		XF876A00	IC	LH5164D-10L	I C	SRAM 64K	08
*		XI562B00	IC	MB7118HM	I C	EP ROM (T1)	
*		XI565B00	IC	MB7118HM	I C	EP ROM (T2)	
*		XI566B00	IC	MB7118HM	I C	EP ROM (T3)	
*		XI567B00	IC	MB7118HM	I C	EP ROM (T4)	
*		XI569B00	IC	D27C010	I C	EP ROM(AES/EBU)	
*		XG948C00	IC	YM3436BG	I C	DIR2	
		IC181580	Transistor	2SC1815 Y,GR	トランジスタ		01
		IF003450	Diode	1SS133	ダイオード		01
		WJ838470	Electrolytic Cap.	470μ 16V	ケミコン		01
		FZ004100	Semiconductive Cera. Cap.	0.1μ 16V M	半導体セラコン		01
		FZ005780	Monolithic Cera. Cap.	0.22μ 50V Z	積層セラコン		01
		VD534400	Monolithic Cera. Cap.	1.5μ 25V Z	積層セラコン		01
		VB835000	Coil	20μ FL5R200QNT	コイル		01
		FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
		VH227800	EMI Filter	NFV610-655T2A	LCフィルターEMI	50MHz	03
		QU008500	Ceramic Resonator	CSA8.00MT	セラミック振動子	8MHz	03
		VI551900	Quartz Crystal Unit	AF5883CK	水晶振動子	11.2896MHz	03
		VI552000	Quartz Crystal Unit	AF2138CG	水晶振動子	12.288MHz	03
*		FU450800	Maica Capacitor	8P 500V J	マイカコン		01
		FU351220	Maica Capacitor	22P 500V J	マイカコン		01
		FU351330	Maica Capacitor	33P 500V J	マイカコン		01
		VC719300	Terminal Plate	P-424	ターミナル金具		01
*		VK151200	Circuit Board	CPU	CPUシート		
		XB088001	IC	SC17661C	I C	DC-DC CONVERTER	06
		IG116200	IC	PST518B-2	I C	SYSTEM RESET	04
		IG142250	IC	SN74HCU04N	I C	INVERTER	01
		IR000050	IC	SN74HC00N	I C	NAND	03
		IR000350	IC	SN74HC03N	I C	NAND	01
		IR000450	IC	SN74HC04N	I C	INVERTER	03
		IR000550	IC	SN74HC05N	I C	INVERTER	02
		IR000850	IC	SN74HC08N	I C	AND	03
		IR001150	IC	SN74HC11N	I C	AND	03
		IR001450	IC	SN74HC14N	I C	INVERTER	05
		IR003050	IC	SN74HC30N	I C	NAND	02
		IR003250	IC	SN74HC32N	I C	OR	03
		IR007450	IC	SN74HC74N	I C	D-FF	04
		IR008600	IC	TC74HC86P	I C	EX-OR	02
		IR012550	IC	SN74HC125N	I C	3S-BUFFER	03
		IR013850	IC	SN74HC138N	I C	DECODER 3-8	05
		IR013950	IC	SN74HC139N	I C	DECODER 2-4	05
		IR015750	IC	SN74HC157N	I C	DATA-SELECTOR	02
		IR018450	IC	SN74HC164N	I C	SHIFT REGISTER	05
		IR024050	IC	SN74HC240N	I C	BUS-BUFFER	04
		IR024450	IC	SN74HC244	I C	BUS-BUFFER	07
		IR024550	IC	SN74HC245N	I C	TRANSCEIVER	06
		IR027350	IC	SN74HC273N	I C	D-FF OCTAL	05
		IR037350	IC	SN74HC373N	I C	D-LATCH	05
		IR037450	IC	SN74HC374N	I C	D-FF	06
		IR039350	IC	SN74HC393N	I C	COUNTER	04
		IG090400	IC	MSM58321RS	I C	RTC	09
		IG105200	IC	HD63B03RP	I C	CPU 8bit	16
		IG129200	IC	HD46508A-1	I C	DATA IN	12
		XB361001	IC	μPD71055C	I C	PPI	06
		XB623001	IC	WD1772PH-02	I C	FDC	12
		XC310A00	IC	μPD71054C	I C	PTC	06
*		XC806A00	IC	HD68HC000P12	I C	CPU	17
		XH499B00	IC	HD63C01Y0RS37P	I C	CPU	08
		XF876A00	IC	LH5164D-10L	I C	SRAM 64K	08
*		XI559A00	IC	D27C010-120V10	I C	EP ROM (BOOT-0)	18
*		XI560A00	IC	TMS27C128-20JL	I C	EP ROM (FADER1)	11
*		XI563A00	IC	D27C010-120V10	I C	EP ROM (BOOT-E)	18
*		XI564A00	IC	TMS27C128-20JL	I C	EP ROM (FADER2)	11
		XH497A00	IC	YM6604	I C	ACIA	18
		XI580A00	IC	HM628128LP-10	I C	SRAM 1M	22

＊：New Parts (新規部品)　NR

ランク：Japan Only

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
		VD473200	Photo Coupler	6N137	フォトカプラ		05
		IA101580	Transistor	2SA1015 O,Y	トランジスタ		01
		IC181580	Transistor	2SC1815 Y,GR	トランジスタ		01
		VD488500	Digital Transistor	DTC143XS	デジタルトランジスタ		03
		VJ041400	Transistor Array	TD62381P	トランジスタアレイ		04
		IF003450	Diode	1SS133	ダイオード		01
		VE331200	Resistor Array	RGLD8X472J	抵抗アレイ		01
		UJ828470	Electrolytic Cap.	470μ 10V	ケミコン		01
		VD843800	Ceramic Cap.	10000P 16V N	円筒セラ（Y）		01
		VI307100	Monolithic Cera. Cap.	0.1μ 50V Z	積層セラコン		01
		FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
		VJ041100	Ceramic Resonator	CSB	セラミック振動子	1.2288MHz	02
		VA070900	Quartz Crystal Unit		水晶振動子	32.768KHz	03
		VE804600	Quartz Crystal Unit	AT-51	水晶振動子	16MHz	03
		VF039500	Quartz Crystal Unit	EXO-3C	水晶振動子	24MHz	06
		VJ040900	Quartz Crystal Unit	AT-49	水晶振動子	10.752MHz	04
		VF013300	Lithium Battery	CR2450-HE4	リチウム電池		05
*		VK152400	Circuit Board	CRA	CRAシート		22
		FZ007050	EMI Filter	MT-B271KB	LCフィルターEMI		01
		VI443700	XLB Connector	XLB-3-31PCV-M09	キャノンコネクター	ST INPUT	07
		VI474400	Terminal Plate		ターミナル金具	1pc.	01
		VI579500	Holder, XLB Connector		キャノン金具	6pcs	03
*		VK152100	Circuit Board	CRC	CRCシート		44
		XH595A00	IC	897021	IC	RS422 IN	05
		XH596A00	IC	897022	IC	RS422 OUT	05
		IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
		XC570001	IC	AM26LS31PC	IC	LINE DRIVER	05
		XC571001	IC	AM26LS32PC	IC	LINE RECEIVER	05
		VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
		FZ006920	EMI Filter	LS MT B271KB	LCフィルターEMI	270P	01
		FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
*		VL181700	D-SUB Connector	DBLC-J25SAF 25P	D-SUBコネクター	INPUT CHANNEL	
*		VK152200	Circuit Board	CRD	CRDシート		26
		XH596A00	IC	897022	IC	RS422 OUT	05
		IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
		XC571001	IC	AM26LS32PC	IC	LINE RECEIVER	05
		VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
		FZ006920	EMI Filter	LS MT B271KB	LCフィルターEMI	270P	01
		FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
		VI443700	XLB Connector	XLB-3-31PCV-M09	キャノンコネクター	AES/EBU 1/2-7/8	07
		VI474400	Terminal Plate		ターミナル金具	1pc.	01
		VI579500	Holder, XLB Connector		キャノン金具	4pcs	03
*		VK152600	Circuit Board	CRE	CREシート		45
		XH595A00	IC	897021	IC	RS422 IN	05
		XH596A00	IC	897022	IC	RS422 OUT	05
		IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
		XC570001	IC	AM26LS31PC	IC	LINE DRIVER	05
		XC571001	IC	AM26LS32PC	IC	LINE RECEIVER	05
		VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
		FZ006920	EMI Filter	LS MT B271KB	LCフィルターEMI	270P	01
		FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
*		VL181700	D-SUB Connector	DBLC-J25SAF 25P	D-SUBコネクター	MONITOR CHANNEL	
*		VK152300	Circuit Board	CRF	CRFシート		38
		XH595A00	IC	897021	IC	RS422 IN	05
		XH596A00	IC	897022	IC	RS422 OUT	05
		IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
		XC570001	IC	AM26LS31PC	IC	LINE DRIVER	05
		XC571001	IC	AM26LS32PC	IC	LINE RECEIVER	05
		VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
		FZ006920	EMI Filter	LS MT B271KB	LCフィルターEMI	270P	01
		FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
		LB605820	DIN Jack	8P TCS4680-01	DINジャック	ST INPUT A-C	03
*		VL181700	D-SUB Connector	DBLC-J25SAF 25P	D-SUBコネクター	ST INPUT A-C	
		VD258900	Holder, DIN Socket		DINソケットホルダ	3pcs	02
*		VK152500	Circuit Board	CRG	CRGシート		25
		XH595A00	IC	897021	IC	RS422 IN	05
		IG142250	IC	SN74HCU04N	IC	INVERTER	01
		IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
		XC571001	IC	AM26LS32PC	IC	LINE RECEIVER	05
		XE737A00	IC	SN75124N	IC	LINE RECEIVER	05
		IF003450	Diode	1SS133	ダイオード		01
		VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
		VF611200	Monolithic Cera. Cap.	0.1μ 50V K	積層セラコン		02

＊：New Parts（新規部品）　NR　　ランク：Japan Only

Ref. No.	Part No.	Description		部品名	Remarks	ランク
	FZ006920	EMI Filter	LS MT B271KB	LCフィルターEMI	270P	01
	FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
	LB605820	DIN Jack	8P TCS4680-01	DINジャック	2TR MONITOR IN.	03
	VE752000	Pin Jack	1P YKB11-0500	ピンジャック	CD/DAT1,2	03
	VI552200	BNC Connector	1P YKS11-0011	BNCコネクター	L,R,SYNC	05
	VI443700	XLB Connector	XLB-3-31PCV-M09	キャノンコネクター	AES/EBU	07
	VD258900	Holder, DIN Socket		DINソケットホルダ	1pc.	02
	VI579500	Holder, XLB Connector		キャノン金具	1pc.	03
*	VK152700	Circuit Board	CRH	CRHシート		31
	XH595A00	IC	897021	IC	RS422 IN	05
	XH596A00	IC	897022	IC	RS422 OUT	05
	IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
	XC570001	IC	AM26LS31PC	IC	LINE DRIVER	05
	XC571001	IC	AM26LS32PC	IC	LINE RECEIVER	05
	VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
	FZ006920	EMI Filter	LS MT B271KB	LCフィルターEMI	270P	01
	FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
	VI579600	XLB Connector	XLB-3-32PCV	キャノンコネクター	BUS OUT,AES/EBU	06
*	VL181700	D-SUB Connector	DBLC-J25SAF 25P	D-SUBコネクター	BUS OUT 1-8	
	VI474400	Terminal Plate		ターミナル金具	1pc.	01
	VI579500	Holder, XLB Connector		キャノン金具	4pcs	03
*	VK152800	Circuit Board	CRI	CRIシート		27
	XH596A00	IC	897022	IC	RS422 OUT	05
	IG142250	IC	SN74HCU04N	IC	INVERTER	01
	IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
	XC570001	IC	AM26LS31PC	IC	LINE DRIVER	05
	XE683A00	IC	SN75121	IC	LINE DRIVER	05
	VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
	VC548200	Pulse Transformer	TC-1019-06 7mm	パルストランス	100μ	04
	FZ006920	EMI Filter	LS MT B271KB	LCフィルターEMI	270P	01
	FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
	LB605820	DIN Jack	8P TCS4680-01	DINジャック	STEREO OUT	03
	VE752000	Pin Jack	1P YKB11-0500	ピンジャック	SDIF2,CD/DAT	03
	VI552200	BNC Connector	1P YKS11-0011	BNCコネクター	SDIF2 L,R	05
	VI579600	XLB Connector	XLB-3-32PCV	キャノンコネクター	ST OUT AES/EBU	06
	VD258900	Holder, DIN Socket		DINソケットホルダ		02
	VI579500	Holder, XLB Connector		キャノン金具		03
*	VK152900	Circuit Board	CRJ	CRJシート		27
	XH595A00	IC	897021	IC	RS422 IN	05
	XH596A00	IC	897022	IC	RS422 OUT	05
	IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
	XC570001	IC	AM26LS31PC	IC	LINE DRIVER	05
	XC571001	IC	AM26LS32PC	IC	LINE RECEIVER	05
	VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
	FZ006920	EMI Filter	LS MT B271KB	LCフィルターEMI	270P	01
	FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
	LB605820	DIN Jack	8P TCS4680-01	DINジャック	ST IN,AUX SEND	03
	VD258900	Holder, DIN Socket		DINソケットホルダ	5pcs	02
	VI474400	Terminal Plate		ターミナル金具	1pc.	01
*	VK153300	Circuit Board	CRK	CRKシート		34
	XH595A00	IC	897021	IC	RS422 IN	05
	XH596A00	IC	897022	IC	RS422 OUT	05
	IR000450	IC	SN74HC04N	IC	INVERTER	03
	IR000850	IC	SN74HC08N	IC	AND	03
	IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
	XC570001	IC	AM26LS31PC	IC	LINE DRIVER	05
	XC571001	IC	AM26LS32PC	IC	LINE RECEIVER	05
	IA101580	Transistor	2SA1015 O,Y	トランジスタ		01
	VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
	FZ006920	EMI Filter	LS MT B271KB	LCフィルターEMI	270P	01
	FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
	LB605820	DIN Jack	8P TCS4680-01	DINジャック	C-R MONITOR OUT	03
*	VL181700	D-SUB Connector	DBLC-J25SAF 25P	D-SUBコネクター	25P CASCADE I/O	
	VI579600	XLB Connector	XLB-3-32PCV	キャノンコネクター	C-R MONI.AES/EB	06
	VD258900	Holder, DIN Sodket		DINソケットホルダ	1pc.	02
	VI579500	Holder, XLB Connector		キャノン金具	1pc.	03
*	VK153600	Circuit Board	CRL	CRLシート		30
	XH595A00	IC	897021	IC	RS422 IN	05
	XH596A00	IC	897022	IC	RS422 OUT	05
	IR012300	IC	TC74HC123AP	IC	MONO-FF	04
	IR012550	IC	SN74HC125N	IC	3S-BUFFER	03
	IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
	XC570001	IC	AM26LS31PC	IC	LINE DRIVER	05
	XC571001	IC	AM26LS32PC	IC	LINE RECEIVER	05

＊：New Parts（新規部品）　NR　　ランク：Japan Only

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
		XE683A00	IC	SN75121	IC	LINE DRIVER	05
		XE737A00	IC	SN75124N	IC	LINE RECEIVER	05
		IF003450	Diode	1SS133	ダイオード		01
		VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
		FZ006920	EMI Filter	LS MT B271KB	LCフィルターEMI	270P	01
		FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
		VI552200	BNC Connector	YKS11-0011 1P	BNCコネクター	WORD CLK IN,OUT	05
		VI443700	XLB Connector	XLB-3-31PCV-M09	キャノンコネクター	WORD CLK OUT	07
		VI579600	XLB Connector	XLB-3-32PCV	キャノンコネクター	WORD CLK IN	06
		VL184200	D-SUB Connector	DELC-J9SAF 9P	D-SUBコネクター	REMOTE	05
		VI579500	Holder, XLB Connector		キャノン金具	4pcs	03
*		VK153500	Circuit Board	CRM	CRMシート		20
*		VK297800	Variable Resistor	B100K EVU-E2A	ロータリーボリューム	LCD CONTRAST	02
		VE659000	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
		VB971100	Coil	FL5R200QN 20μ	コイル		01
		FZ005920	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
		LB500590	DIN Jack	5P TCS4650-01	DINジャック	MIDI THR-MTC IN	02
		VD258900	Holder, DIN Socket		DINソケットホルダ	2pcs	02
		VI474400	Terminal Plate		ターミナル金具	1pc.	01
*		VK151300	Circuit Board	DSP	DSPシート		91
		IR000450	IC	SN74HC04N	IC	INVERTER	03
		IR000850	IC	SN74HC08N	IC	AND	03
		IR003050	IC	SN74HC30N	IC	NAND	02
		IR003250	IC	SN74HC32N	IC	OR	03
		IR024050	IC	SN74HC240N	IC	BUS-BUFFER	04
		IR024450	IC	SN74HC244	IC	BUS-BUFER	07
		IR028300	IC	TC74HC283AP	IC	FULL-ADDER	05
		IR037450	IC	SN74HC374N	IC	D-FF	06
		XD265A00	IC	MB81464-12PSZ	IC	DRAM 256K	08
		IT380700	IC	YM3807	IC	MOD	15
		XE788A00	IC	YM6104	IC	DEO2	11
		XF164A00	IC	YM6007	IC	DSP2	18
		XH494A00	IC	YM6067	IC	PSC4	10
		VE445200	Resistor Array	RGLD8X103J	抵抗アレイ		01
		UJ828470	Electrolytic Cap.	470μ 10V	ケミコン		01
		--	Chip Cera. Cap.	F 0.01μ 50V Z	チップ積層セラコン		
*		VL686700	Circuit Board	DTB	DTBシート	J	26
*		VL686900	Circuit Board	DTB	DTBシート	U,C	27
*		VL687100	Circuit Board	DTB	DTBシート	H,B	26
		VB482000	Diode	11ES4	ダイオード		01
		UJ748470	Electrolytic Cap.	470μ 25V	ケミコン		01
		FZ005920	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
		KB000380	Fuse	T 4.00A J 250V	ヒューズ	J (6pcs)	01
		KB000400	Fuse	T 5.00A J 250V	ヒューズ	J (1pc.)	01
		VB245200	Fuse	T 3.15A U 250V	ヒューズ	U,C (6pcs)	07
		KB002590	Fuse	T 5.00A U 250V	ヒューズ	U,C (1pc.)	02
		KB000760	Fuse	T 3.15A S 250V	ヒューズ	H,B (6pcs)	02
		KB000780	Fuse	T 5.00A S 250V	ヒューズ	H,B (1pc.)	02
		LB201530	Fuse Holder	PC-FH1	ヒューズホルダー		01
*		VK154400	Circuit Board	FPC	FPCシート		17
		IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
		IF003450	Diode	1SS133	ダイオード		01
		VA262300	LED	LN242RP RE	LED		01
		VE659000	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
		KA907030	Push Switch	SKHHAL	プッシュスイッチ	MEMO.PARA.SCRO.	01
*		NX810190	Circuit Board	FPE1/3	FPE1/3シート		
*		NX810200	Circuit Board	FPE2/3	FPE2/3シート		
*		NX810210	Circuit Board	FPE3/3	FPE3/3シート		
		IR001450	IC	SN74HC14N	IC	INVERTER	05
		IF003170	LED	LN221RP RE	LED		02
		FG413150	Ceramic Cap.	1500P 50V K	セラコンB		01
		VE659000	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
		VK700800	Push Switch	SKHQAC	プッシュスイッチ	TALK BACK	01
*		VL236800	Rotary Encoder	EC16B40B	16形エンコーダー	DATA ENTRY	06
*		VK153700	Circuit Board	HP	HPシート		15
		XE803A00	IC	NJM4556DD	IC	OP AMP.	03
		IA101530	Transistor	2SA1015 GR	トランジスタ		01
		IC181530	Transistor	2SC1815 GR	トランジスタ		01
		IF003450	Diode	1SS133	ダイオード		01
		IH000240	Diode	1S1885	ダイオード		01
		IF005660	Zener Diode	RD27EB3 27V	ツェナーダイオード		01
		VC731800	Metal Oxide Film Resistor	150Ω 1W J	酸化金属皮膜抵抗		01
*		VK963800	Variable Resistor	RK16312A	二連ロータリーVR	A10K×2 LEVEL	04

*：New Parts (新規部品)　NR

ランク：Japan Only

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
		VE659000	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
		VB971100	Coil	FL5R200QN 20μ	コイル		01
		FZ005920	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
		LB301080	Phone Jack	STEREO HLJ0259	ホーンジャック	PHONES	04
		VD613500	Relay	DC AG 8023	リレー		06
		VI474400	Terminal Plate		ターミナル金具	1pc.	01
*		VK707700	Circuit Board	IN1/2	IN1/2シート		66
*		VK707800	Circuit Board	IN2/2	IN2/2シート		69
		IG157200	IC	AN78L05	IC	+5V REGULATOR	03
		IR000450	IC	SN74HC04N	IC	INVERTER	03
		IR000850	IC	SN74HC08N	IC	AND	03
		IR003250	IC	SN74HC32N	IC	OR	03
		IR007450	IC	SN74HC74N	IC	D-FF	04
		IR012300	IC	TC74HC123AP	IC	MONO-FF	04
		IR012550	IC	SN74HC125N	IC	3S-BUFFER	03
		IR013850	IC	SN74HC138N	IC	DECODER 3-8	05
		IR013950	IC	SN74HC139N	IC	DECODER 2-4	05
		IR016350	IC	SN74HC163N	IC	COUNTER	03
		IR016450	IC	SN74HC164N	IC	SHIFT REGISTER	05
		IR024450	IC	SN74HC244	IC	BUS-BUFF	07
		IR027350	IC	SN74HC273N	IC	D-FF OCTAL	05
		XE800A00	IC	YM6035	IC	PSC2	11
*		XG948C00	IC	YM3436BG	IC	DIR2	
		XH494A00	IC	YM6067	IC	PSC4	10
*		XH888A00	IC	YMAB04	IC	BIT SHIFT	11
		IC181580	Transistor	2SC1815 Y,GR	トランジスタ		01
		IF003450	Diode	1SS133	ダイオード		01
		UJ838470	Electrolytic Cap.	470μ 16V	ケミコン		01
		FZ004100	Semiconductive Cera. Cap.	0.1μ 16V M	半導体セラコン		01
		VJ786300	Monolithic Cera. Cap.	0.22μ 50V Z	積層セラコン		01
		VD534400	Monolithic Cera. Cap.	1.5μ 25V Z	積層セラコン		01
		FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
*		VJ798800	Chip Cera. Cap.	F 0.1μ 25V Z	チップ積層セラコン		01
*		VK153800	Circuit Board	MBD	MBDシート		54
		UJ748470	Electrolytic Cap.	470μ 25V	ケミコン		01
		FZ005920	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
*		VK244600	Circuit Board	MDR	MDRシート		20
		IG153500	IC	BA6218	IC	MOTOR DRIVER	04
		IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
*		VL099900	Metal Oxide Film Resistor	10Ω 3W J	酸化金属被膜抵抗		01
*		UJ728470	Electrolytic Cap.	470μ 10V	ケミコン		01
*		UJ758330	Electrolytic Cap.	330μ 35V	ケミコン		01
		VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
*		NX810180	Circuit Board	NML	NMLシート		
		IF003170	LED	LN221RP RE	LED	FADER Indicator	02
*		VK707900	Circuit Board	OUT1/2	OUT1/2シート		74
*		VK708000	Circuit Board	OUT2/2	OUT2/2シート		74
		IR000450	IC	SN74HC04N	IC	INVERTER	03
		IR000850	IC	SN74HC08N	IC	AND	03
		IR003250	IC	SN74HC32N	IC	OR	03
		IR007450	IC	SN74HC74N	IC	D-FF	04
		IR012550	IC	SN74HC125N	IC	3S-BUFFER	03
		IR013850	IC	SN74HC138N	IC	DECODER 3-8	05
		IR013950	IC	SN74HC139N	IC	DECODER 2-4	05
		IR015350	IC	SN74HC153N	IC	4-1 SELECTOR	03
		IR015750	IC	SN74HC157N	IC	DATA-SELECTOR	02
		IR024450	IC	SN74HC244	IC	BUS-BUFFER	07
		IR027350	IC	SN74HC273N	IC	D-FF OCTAL	05
		XE800A00	IC	YM6035	IC	PSC2	11
		XG949A00	IC	YM3437	IC	DIT2	05
		XH494A00	IC	YM6067	IC	PSC4	10
*		XH888A00	IC	YMAB04	IC	BIT SHIFT	11
		FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
*		VK500200	Slide Switch	SSSS213	スライドスイッチ	4pcs	01
		--	Chip Cera. Cap.	F 0.01μ 50V Z	チップ積層セラコン		
*		VK154000	Circuit Board	PM	PMシート		41
		IF009570	LED	LD-201VR	面発光LED	ST IN-AUX	02
		VF521500	LED Display	SX-25-S	LEDディスプレイ	Level indicator	05
		VJ155200	LED Display	SX-25AF	LEDディスプレイ	Level indicator	06
*		VK423500	LED Spacer	LD-201	LEDスペーサー	3pcs	04
*		VK151400	Circuit Board	PMD	PMDシート		51
		IG116200	IC	PST518B-2	IC	SYSTEM RESET	04

＊：New Parts（新規部品）　NR

ランク：Japan Only

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
		IG142250	IC	SN74HCU04N	I C	INVERTER	01
		IR000850	IC	SN74HC08N	I C	AND	03
		IR001450	IC	SN74HC14N	I C	INVERTER	05
		IR003250	IC	SN74HC32N	I C	OR	03
		IR013950	IC	SN74HC139N	I C	DECODER 2-4	05
		IR024450	IC	SN74HC244	I C	BUS-BUFFER	07
		IR027350	IC	SN74HC273N	I C	D-FF OCTAL	05
		IR037350	IC	SN74HC373N	I C	D-LATCH	05
		IG093500	IC	HD6303R1P	I C	CPU 8bit	16
	*	XI561D00	IC	TMS27C128-20JL	I C	EP ROM (METER)	
		XE798A00	IC	YM3934	I C	PWM2	12
		IC094530	Transistor	2SC945A PA	トランジスタ		01
		VF519600	Transistor Array	TD62703P	トランジスタアレイ		03
		VJ041400	Transistor Array	TD62381P	トランジスタアレイ		04
		XC551001	Transistor Array	TD62781AP	トランジスタアレイ		04
		VE331200	Resistor Array	RGLD8X472J	抵抗アレイ		01
		VE445200	Resistor Array	RGLD8X103J	抵抗アレイ		01
		UJ828470	Electrolytic Cap.	470μ 10V	ケミコン		01
		VI307100	Monolithic Cera. Cap.	0.1μ 50V Z	積層セラコン		01
		QU004800	Ceramic Resonator	CSA4.00MT	セラミック振動子	4MHz	03
		VG582600	DA Inverter Transformer	D32-49	D/Aインバータートランス		07
	*	VK154200	Circuit Board	PMS	P M S シート	L STEREO R	17
	*	IF004940	LED	LD-101VR RE	L E D		02
	*	IF007690	LED	LD101MG GR	L E D		02
	* *	VK272300	LED Level Meter	SLA-2651 10P	L E D レベルメーター	GR	05
	* *	VK272400	LED Level Meter	SLA-4651 10P	L E D レベルメーター	YE	05
	*	VK272500	LED Level Meter	SLA5651-14	L E D レベルメーター	YE(6)+GR(4)	07
	*	VK151500	Circuit Board	PND	P N D シート		55
		IG044500	IC	HD74LS240P	I C	BUFFER	08
		IR000450	IC	SN74HC04N	I C	INVERTER	03
		IR000850	IC	SN74HC08N	I C	AND	03
		IR001450	IC	SN74HC14N	I C	INVERTER	05
		IR013850	IC	SN74HC138N	I C	DECODER 3-8	05
		IR013950	IC	SN74HC139N	I C	DECODER 2-4	05
		IR015400	IC	TC74HC154AP	I C	DECODER 4-16	04
		IR024450	IC	SN74HC244	I C	BUS-BUFFER	07
		IR024550	IC	SN74HC245N	I C	TRANSCEIVER	06
		XC519001	IC	μPD8279C-2	I C	CPU	07
		VJ041500	Transistor Array	TD62786AP	トランジスタアレイ		04
		VE331200	Resistor Array	RGLD8X472J	抵抗アレイ		01
		UJ828470	Electrolytic Cap.	470μ 10V	ケミコン		01
		VI307100	Monolithic Cera. Cap.	0.1μ 50V Z	積層セラコン		01
	*	VK154600	Circuit Board	PNL	P N L シート		79
		IR024450	IC	SN74HC244	I C	BUS-BUFFER	07
		IF003450	Diode	1SS133	ダイオード		01
		VI307100	Monolithic Cera. Cap.	0.1μ 50V Z	積層セラコン		01
		VK700800	Push Switch	SKHQAC	プッシュスイッチ	18pcs	01
		VK700900	Push Switch	SKHQFH AMBER	プッシュスイッチ	74pcs	02
		VK701000	Push Switch	SKHQFM OR	プッシュスイッチ	67pcs	02
		VK701100	Push Switch	SKHQFN GR	プッシュスイッチ	130pcs	02
	*	VK251100	LED Display	SX-25AE	L E D ディスプレイ	LEVEL indicator	05
	* *	VK240500	LED Display	16P RE LT4143A	L E D ディスプレイ	PAN indicator	08
	*	VL659700	LED Spacer	8 points	L E D スペーサー	9pcs	
	*	VK154700	Circuit Board	PNR	P N R シート		60
		IF003450	Diode	1SS133	ダイオード		01
		VK700800	Push Switch	SKHQAC	プッシュスイッチ	10pcs	01
		VK700900	Push Switch	SKHQFH AMBER	プッシュスイッチ	14pcs	02
		VK701000	Push Switch	SKHQFM OR	プッシュスイッチ	16pcs	02
		VK701100	Push Switch	SKHQFN GR	プッシュスイッチ	27pcs	02
	*	VK240500	LED Display	16P RE LT4143A	L E D ディスプレイ	PAD-LEVEL	08
	*	VK325900	LED Display	14RE2YE LT4143B	L E D ディスプレイ	L/R-GAIN HIGH	08
	*	VK154800	Circuit Board	REL	R E L シート		59
		IR001450	IC	SN74HC14N	I C	INVERTER	05
		IR013850	IC	SN74HC138N	I C	DECODER 3-8	05
		IR024450	IC	SN74HC244	I C	BUS-BUFFER	07
		IR024550	IC	SN74HC245N	I C	TRANSCEIVER	06
	*	XH887A00	IC	YMAB03	I C	RE COUNTER	12
		UJ828470	Electrolytic Cap.	470μ 10V	ケミコン		01
		VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
	*	VK227100	Rotary Encoder	EC16B40B	16形エンコーダー	LEVEL	06
	*	VK154900	Circuit Board	RER	R E R シート		53
		IG001390	IC	RC4558D-V	I C	OP AMP.	03
		IR001450	IC	SN74HC14N	I C	INVERTER	05

＊：New Parts（新規部品）　NR

ランク：Japan Only

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
*		VK963600	Variable Resistor	RK163122	ロータリーボリューム	A10K TALK LEVEL	04
*		VK963700	Variable Resistor	RK163122	ロータリーボリューム	B10K LEVEL	04
*		VK963900	Variable Resistor	RK16312B	二連ロータリーVR	A20K×2 LEVEL	04
		UJ828470	Electrolytic Cap.	470μ 10V	ケミコン		01
		VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
		FZ006970	EMI Filter	LS MT Y223NB	LCフィルターEMI	22000P	02
*		VK227100	Rotary Encoder	EC16B40B	16形エンコーダー	PAD-GAIN HIGH	06
		JE000270	Microphone	WM-034C	マイクロホン	MIC	03
*		VK079100	Microphone Cushion		マイククッション		02
*		VK079200	Microphone Cover		マイクカバー		02
*		VK154100	Circuit Board	SEG	SEGシート		16
		IF009570	LED	LD-201VR3	面発光LED	DF	02
*		VK536500	LED Display	GL3P422	LEDディスプレイ	MEMORY	08
*		VK536600	LED Display	GL7P220	LEDディスプレイ	TIME CORD	05
		VK448900	XL Connector (multipul)	MA16RN-3PF-A	キャノンコネクター	AUX SND, MON. O	11
		VI577100	Floppy Disk Drive Unit	MF353C-152MY	3.5"FDD		27
*		VK162000	Power Supply Unit		電源ユニット	J,U,C	82
*		VK162100	Power Supply Unit		電源ユニット	H,B	82
		MG000610	AC Cord	J 15A 2.1M	電源コード	J	06
		VD279600	AC Cord	UC 10A 2.5M	電源コード	U,C	08
		VD280600	AC Cord	E 10A 2.5M	電源コード	H	08
		VH890200	AC Cord	B 10A 2.5M	電源コード	B	09
*		VL241000	Seesaw Switch	EST-15	シーソースイッチ	POWER SWITCH	07
*		VK896200	Fader	AF102A B	フェーダー		45
		VF931200	LCD	DMF5005NYL-EW	液晶ディスプレイ		28
*		VK780100	Lamp	1.6W 115mA L600	ランプ 1pc.	～S/# HK*****	05
*		VL443900	Lamp	1.6W 115mA L600	ランプ 2pcs	S/# HL01001～	03
*		VK780200	Lamp	1.6W 115mA L300	ランプ 1pc.	～S/# HK*****	05
*		VL443900	Lamp	1.6W 115mA L600	ランプ 2pcs	S/# HL01001～	03
*		TX800220	Extension Board Set		延長基板セット		

VK448900 + TD030056
S/N 1121

* : New Parts (新規部品)　NR

ランク : Japan Only

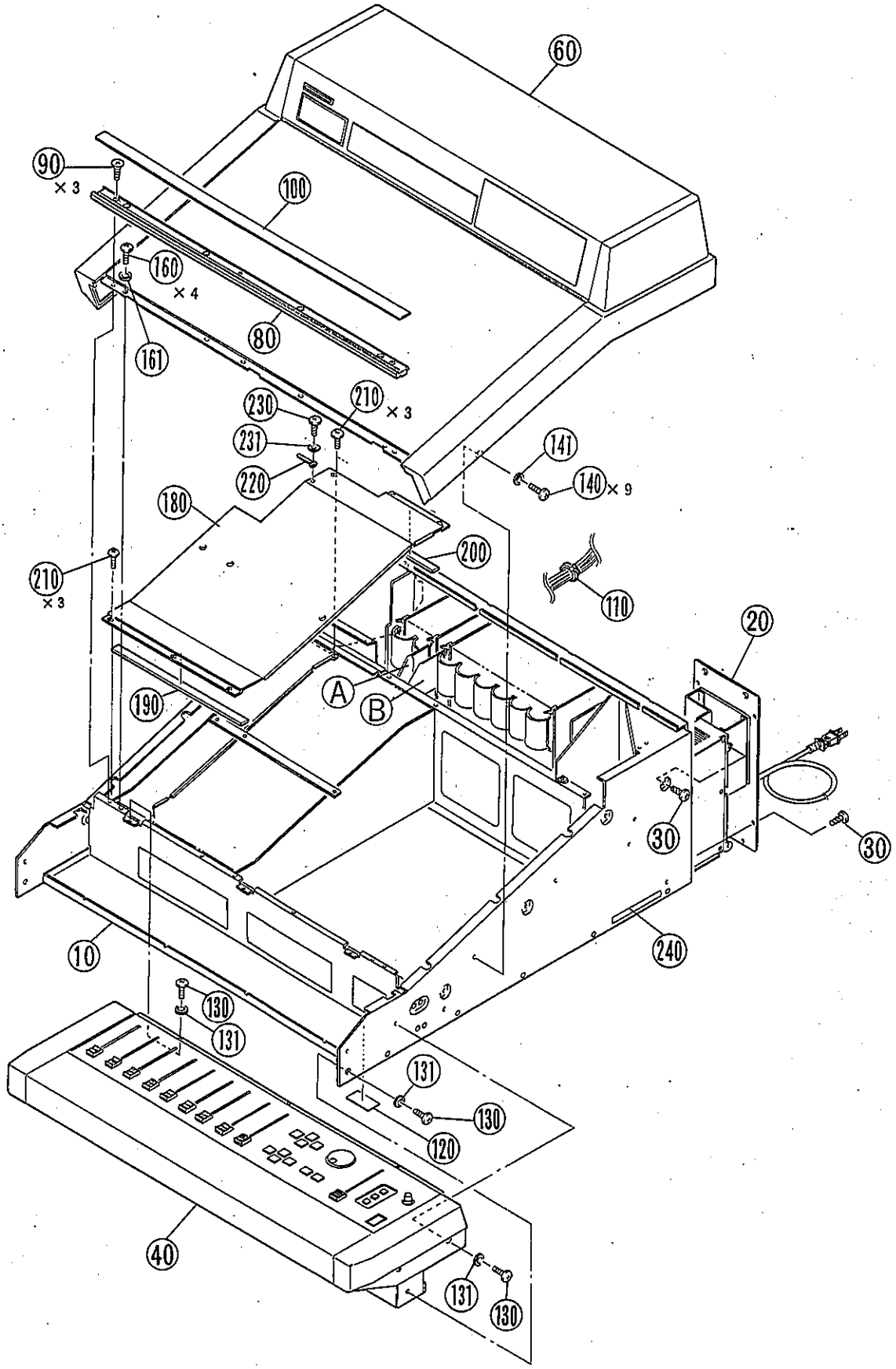
● Power Supply Unit（電源ユニット）

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
*		VK162000	<POWER SUPPLY UNIT>		<電源ユニット>	J,U,C	82
*		VK162100	<POWER SUPPLY UNIT>		<電源ユニット>	H,B	82
		---	Circuit Board,Power Supply		電源シート		
		IX801910	IC	μPC1093J	IC	REGULATOR	03
		IG063900	IC	μPC7815H	IC	REGULATOR +15V	05
		IG077500	IC	μPC7915H	IC	REGULATOR -15V	05
*		IX806110	IC	μPC317	IC	REGULATOR	
		IX805950	IC	μPC337H	IC	REGULATOR	
		IX805930	Photo Coupler	CNY17G-F2	フォトカプラ		
		IX552940	Transistor	2SC2655	トランジスタ		01
*		IX806120	FET	2SK1170	FET	J,U,C	
*		IX806130	FET	2SK1342	FET	H,B	
*		IX806140	Diode	11ES1	ダイオード		
*		IX806150	Diode	30DF6	ダイオード		
*		IX806160	Diode	30KQ40	ダイオード		
		IF001380	Diode	1SS84	ダイオード		01
*		IX806170	Diode	31DQ09	ダイオード		
*		IX806180	Diode	F16P06QS	ダイオード		
*		IX806190	Diode	5KQ60	ダイオード		
*		IX806200	Diode Bridge	KBPC1504P	ダイオードブリッジ	J,U,C	
*		IX806210	Diode Bridge	KBPC1504	ダイオードブリッジ	J,U,C	
*		IX806220	Diode Bridge	KBPC1506P	ダイオードブリッジ	H,B	
*		IX806230	Diode Bridge	KBPC1506	ダイオードブリッジ	H,B	
		IF002350	Zener Diode	HZ12B2 12.0V	ツェナーダイオード		01
		IF004240	Zener Diode	HZ15-3 15.0V	ツェナーダイオード		01
*		HX806350	Metal Oxide Film Resistor	6.8Ω 5W	酸化金属皮膜抵抗		
		HL825330	Metal Oxide Film Resistor	330Ω 2W	酸化金属皮膜抵抗		01
		HL314820	Metal Oxide Film Resistor	82Ω 1W	酸化金属皮膜抵抗		01
*		HX806360	Metal Oxide Film Resistor	27KΩ 3W	酸化金属皮膜抵抗	J,U,C	
		HL327680	Metal Oxide Film Resistor	68KΩ 2W	酸化金属皮膜抵抗	H,B	01
*		HX806370	Metal Oxide Film Resistor	240Ω 2W	酸化金属皮膜抵抗		
		HM552100	Wire Wound Resistor	0.1Ω 5W	セメント抵抗	J,U,C	01
*		HX806380	Wire Wound Resistor	70mΩ 5W	線抵抗	J,U,C	
*		HX806390	Wire Wound Resistor	0.15Ω 5W	セメント抵抗	H,B	
		HM752220	Wire Wound Resistor	0.22Ω 5W	セメント抵抗	H,B	01
		HT570540	Trimmer Potentiometer	RVF08P01-102	半固定ボリューム	B1K	02
*		HX806400	Trimmer Potentiometer	RVF08P	半固定ボリューム	B10K	
*		FX800720	Electrolytic Cap.	820μF 200V	ケミコン	J,U,C	
*		FX800730	Electrolytic Cap.	390μF 400V	ケミコン	H,B	
		FZ006860	Electrolytic Cap.	10000μF 10V	ケミコン		02
		FZ002720	Electrolytic Cap.	4700μF 25V	ケミコン		05
		FJ259220	Electrolytic Cap.	2200μF 35V	ケミコン	J,U,C	04
		UJ649220	Electrolytic Cap.	2200μF 25V	ケミコン	H,B	03
		FZ006510	Electrolytic Cap.	2200μF 16V	ケミコン		03
*		FX800740	Ceramic Cap.	1000PF 125V	セラコン		
		FZ002850	Ceramic Cap.	2200PF 125V	セラコン	H,B	02
		FZ002030	Ceramic Cap.	0.01μF 125V	セラコン	H,B	02
*		FX800750	Ceramic Cap.	220PF 1KV	セラコン		
		VI346100	Mylar Cap.	0.22μF 250V	マイラーコン		02
*		FX800760	Mylar Cap.	1.0μF 250V	マイラーコン		
*		FX800770	Mylar Cap.	0.033μF 630V	マイラーコン	J,U,C	
*		GX803030	Choke Coil	ETQ39K2A	チョークコイル	J,U,C	
*		GX803040	Choke Coil	ETQ39K12A-1	チョークコイル	H,B	
*		GX803050	Choke Coil	CL500300GB	チョークコイル	J,U,C	
		GX802800	Choke Coil	CL300500FBK	チョークコイル	H,B	
*		GX803060	Choke Coil	FW06E150M	チョークコイル	J,U,C	
*		GX803070	Choke Coil	FT-1KM15D080045	チョークコイル	H,B	
*		GX803080	Choke Coil	20A 7μH	チョークコイル		
*		KX803030	Fuse	ST6 6.3A 125V	ヒューズ	J,U,C	
*		KX803040	Fuse	T3.15A 250V	ヒューズ	H,B	
		KX802770	Fuse	UP72 80°C	温度ヒューズ	J,U,C	
*		BX800570	Ferrite Bead	LFW7B-M3R2A0	フェライトビーズ	J,U,C	
*		IX806240	Thyristor	5P4SMYF	サイリスタ	J,U,C	
*		IX806250	Thyristor	5P6SMYF	サイリスタ	H,B	
*		IX806260	Thyristor	CR02AM4	サイリスタ		
*		GX803090	Power Transformer	TUH031F	電源トランス	J,U,C	
*		GX803100	Power Transformer	TUH033F	電源トランス	H,B	
*		GX803110	Power Transformer	TUH030E	電源トランス	J,U,C	
*		GX803120	Power Transformer	TUH032D	電源トランス	H,B	
		LB201530	Fuse Holder	PC-FH1	ヒューズホルダー		01
			Screw		取付けネジ		
		ED040086	Bind Head Screw	4.0X8 ZMC2Y	バインド小ネジ	4pcs	01
		ED340106	Bind Head Screw	4.0X10 FCM3BL	バインド小ネジ	4pcs	01
		ED040106	Bind Head Screw	3.0X8 ZMC2Y	バインド小ネジ	12pcs	01
		EA030086	Pan Head Screw	3.0X8 ZMC2Y	ナベ小ネジ	19pcs	01
		EA030106	Pan Head Screw	3.0X10 ZMC2Y	ナベ小ネジ	4pcs	01
		EA040166	Pan Head Screw	4.0X16 ZMC2Y	ナベ小ネジ	1pc.	01

＊：New Parts（新規部品）　NR

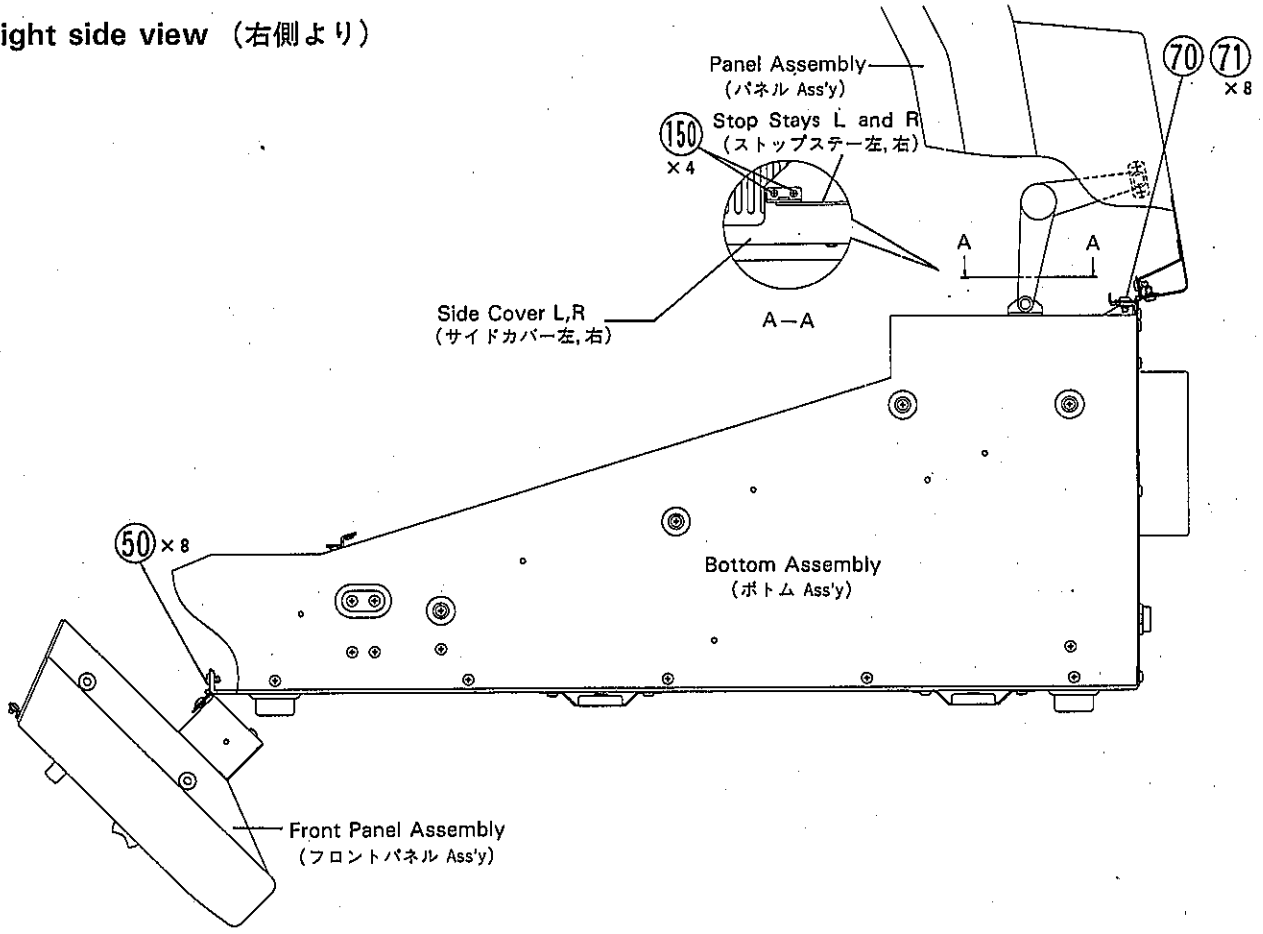
ランク：Japan Only

■OVERALL ASSEMBLY（総組立）



■OVERALL ASSEMBLY（総組立）

● Right side view （右側より）

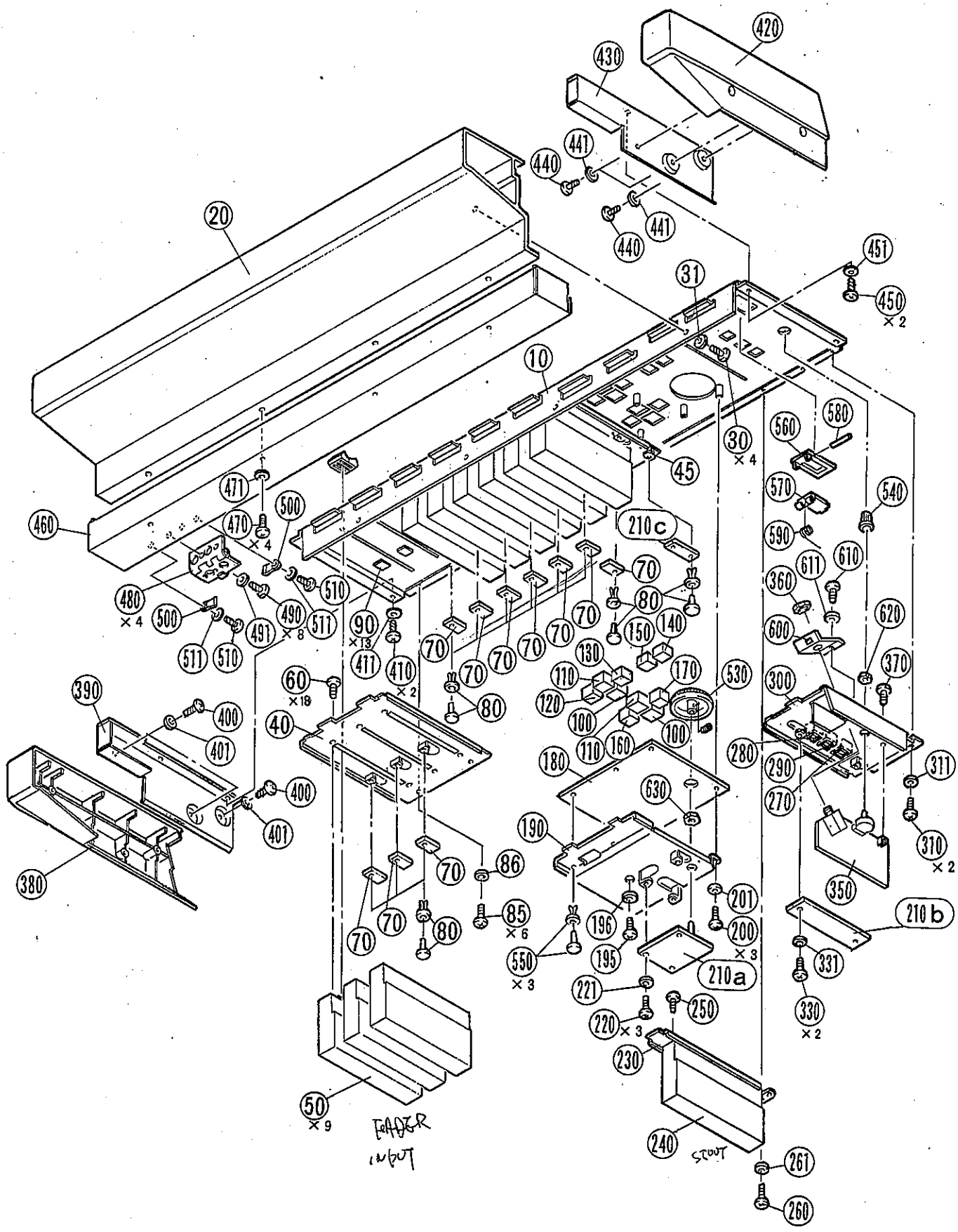


	Ref. No.	Part No.	Description		部品名	Remarks	ランク
			<OVERALL ASSEMBLY>		＜総組立＞		
	10	--	Bottom Assembly		ボトムAss'y		
	20	--	Power Supply Assembly		電源Ass'y		
*	30	VK480800	Bonding Head Tapping Screw	4.0X8 FCH3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	14pcs	01
	40	--	Front Panel Assembly		フロントパネルAss'y		
	50	EI340086	Bind Head Tapping Screw	4.0X8 FCH3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	8pcs	01
	51	EV413046	Toothed Lock Washer	A 4.0 FCH3BL	歯付座金内歯形	8pcs	01
	60	--	Panel Assembly		パネルAss'y		
	70	EI340086	Bind Head Tapping Screw	4.0X8 FCH3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	8pcs	01
	71	EV413046	Toothed Lock Washer	A 4.0 FCH3BL	歯付座金内歯形	8pcs	01
*	80	VK067900	Sash		表示サッシ		13
	90	EB340126	Flat Head Screw	4.0X12 FCH3BL	皿小ネジ	3pcs	01
*	100	VK465200	Plate		表示プレート		06
	110	CB069250	Cord Tie	BK-1	束線止め	61pcs	01
	120	--	Label	L	レラベル		
	130	ED340086	Bind Head Screw	4.0X8 FCH3BL	バインド小ネジ	9pcs	01
	131	EV413046	Toothed Lock Washer	A 4.0 FCH3BL	歯付座金内歯形	9pcs	01
	140	ED340086	Bind Head Screw	4.0X8 FCH3BL	バインド小ネジ	6pcs	01
	141	EV413046	Toothed Lock Washer	A 4.0 FCH3BL	歯付座金内歯形	6pcs	01
	150	EB330086	Flat Head Screw	3.0X8 FCH3BL	皿小ネジ	4pcs	01
	160	ED340086	Bind Head Screw	4.0X8 FCH3BL	バインド小ネジ	4pcs	01
	161	EV413046	Toothed Lock Washer	A 4.0 FCH3BL	歯付座金内歯形	4pcs	01
*	180	VL255100	Protection Plate, Cable		ケーブル保護プレート		14
*	190	VK074100	Rubber Holder, PCB		基板押えゴム		03
*	200	VL255200	Rubber Holder, PCB	Small	基板押えゴム（小）		02
	210	VD330000	Bonding Head Screw	3.0X8 FCH3BL	ボンディング小ネジ	6pcs	01
	220	CB817510	Cord Holder	S-14B	束線止め	1pc.	01
	230	EI340086	Bind Head Tapping Screw	4.0X8 FCH3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	1pc.	01
	231	EV413046	Toothed Lock Washer	A 4.0 FCH3BL	歯付座金内歯形	1pc.	01
	240	--	Caution Label		注意書	U.C	
	250	--	Cord Holder	SKB-3MC	束線止め	1pc.	
*	A	VL663800	Connector Assembly	MBD → CRC 100P	線材Ass'y		
*	B	VL663900	Connector Assembly	MBD → CRF 100P	線材Ass'y		

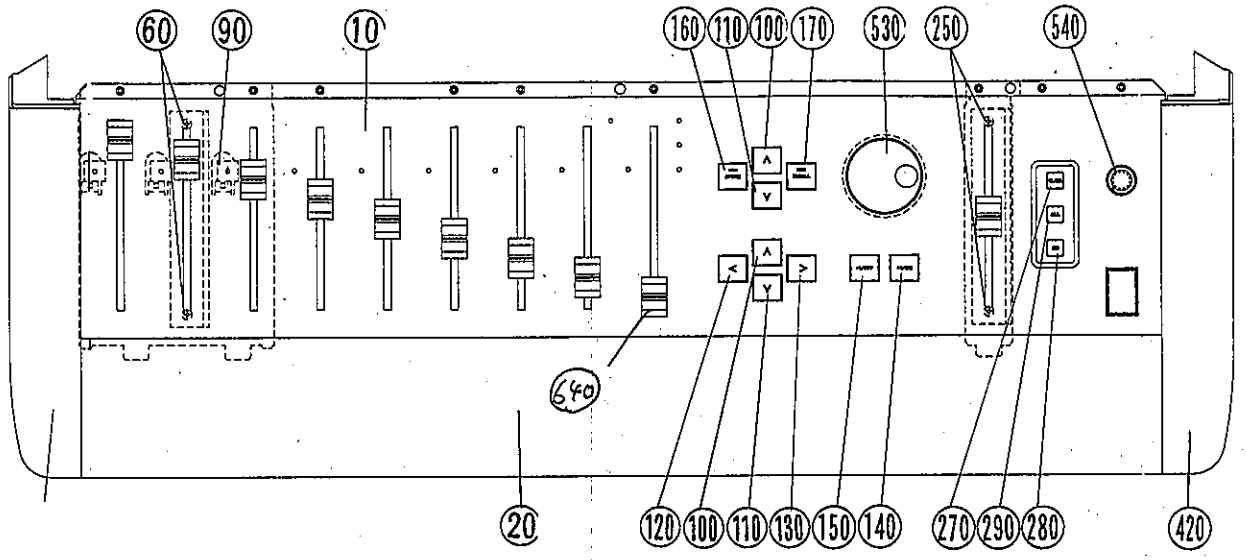
＊：New Parts（新規部品）　NR

ランク：Japan Only

■FRONT PANEL ASSEMBLY (フロントパネル Ass'y)



● Top View (上方より)



	Ref. No.	Part No.	Description		部品名	Remarks	ランク
			<FRONT PANEL ASSEMBLY>		<ﾌﾛﾝﾄﾊﾟﾈﾙAss'y>		
*	10	VK074600	Front Panel		フロントパネル		29
*	20	VK074700	Front Pad		フロントパッド		20
	30	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	4pcs	01
	31	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	4pcs	01
*	40	VK074900	Sub Panel, Fader	Large	フェーダサブパネル大	2pcs	11
*	45	VL011500	Sub Panel, Fader	Large-2	フェーダサブパネル大	1pc.	12
*	50	VK896200	Fader	AF102A B	フェーダー	9pcs	45
	60	ED330046	Bind Head Screw	3.0X4 FCM3BL	バインド小ネジ	18pcs	01
*	70	NX810180	Circuit Board	NML	NMLシート		
	80	CB602970	Plastic Rivet	NO.920	プラスチックリベット	12pcs	01
	85	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	6pcs	01
	86	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	6pcs	01
	90	VG230800	Lens, LED		LEDレンズ	13pcs	01
*	100	VK484000	Top Cap Assembly	<1>↑	トップキャップAss'y	2pcs	03
*	110	VK484100	Top Cap Assembly	<1>↓	トップキャップAss'y	2pcs	03
*	120	VK484200	Top Cap Assembly	<1>←	トップキャップAss'y	1pc.	03
*	130	VK484300	Top Cap Assembly	<1>→	トップキャップAss'y	1pc.	03
*	140	VK484400	Top Cap Assembly	<1>+1/ON	トップキャップAss'y	1pc.	03
*	150	VK484500	Top Cap Assembly	<1>-1/OFF	トップキャップAss'y	1pc.	03
*	160	VK484600	Top Cap Assembly	<1>STORE	トップキャップAss'y	1pc.	03
*	170	VK484700	Top Cap Assembly	<1>RECALL	トップキャップAss'y	1pc.	03
*	180	VK154400	Circuit Board	FPC	FPCシート		17
*	190	VK075100	Sub Panel, FPC		FPCサブパネル		15
	195	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	1pc.	01
	196	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	1pc.	01
	200	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	3pcs	01
	201	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	3pcs	01
*	210	--	Circuit Board	FPE	FPEシート		13
*	210a	NX810190	Circuit Board	FPE1/3	FPE1/3シート		
*	210b	NX810200	Circuit Board	FPE2/3	FPE2/3シート		
*	210c	NX810210	Circuit Board	FPE3/3	FPE3/3シート		
	220	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	3pcs	01
	221	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	3pcs	01
*	230	VK075300	Sub Panel, Fader	Small	フェーダサブパネル小	1pc.	09
*	240	VK896200	Fader	AF102A B	フェーダー	1pc.	45
	250	ED330046	Bind Head Screw	3.0X4 FCM3BL	バインド小ネジ	2pcs	01
	260	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	1pc.	01
	261	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	1pc.	01
*	270	VK468500	Push Button Assembly	<1>SLATE L	ﾌﾟｯｼｭﾎﾞﾀﾝ大Ass'y	1pc.	04
*	280	VL186100	Push Button Assembly	<1>ON L	ﾌﾟｯｼｭﾎﾞﾀﾝ大Ass'y	1pc.	04
*	290	VK468700	Push Button Assembly	<1>ALL L	ﾌﾟｯｼｭﾎﾞﾀﾝ大Ass'y	1pc.	04
*	300	VK075500	Sub Panel, STB/HP		STB/HPサブパネル		14
	310	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	2pcs	01

＊：New Parts (新規部品)　NR

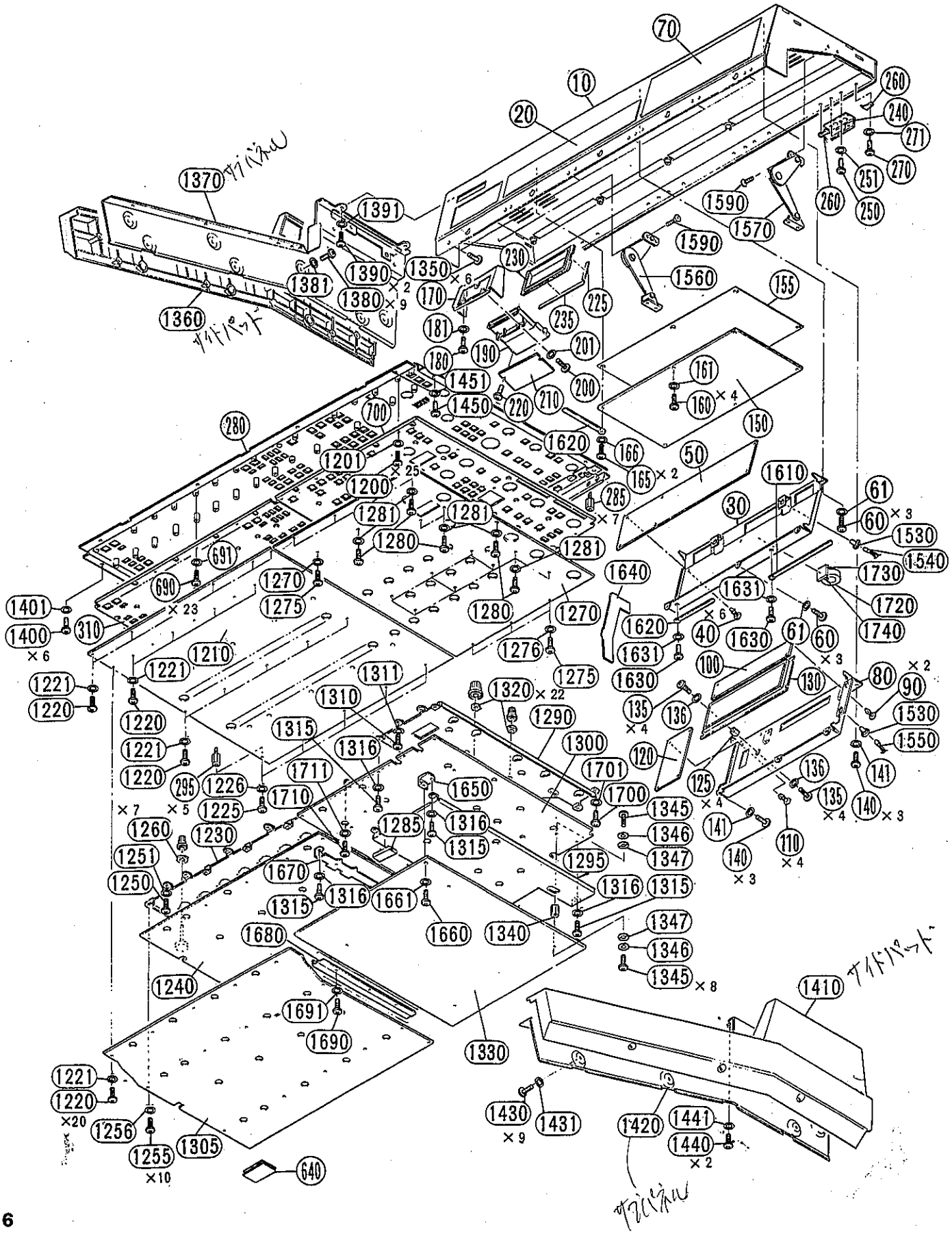
ランク：Japan Only

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
	311	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	2pcs	01
	330	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	2pcs	01
	331	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	2pcs	01
*	350	VK153700	Circuit Board	HP	ＨＰシート		15
	360	VC364900	Hexagonal Nut	φ9 FCM3BL	特殊六角ナット	1pc.	01
*	370	VK464300	Boding Head Screw	4.0X8 FCM3BL	ボンディング小ネジ	1pc.	01
*	380	VK075800	Side Pad	Left-Small	サイドパッド小（左）		09
*	390	VK076000	Sub Panel	Left-Small	サブパネル小（左）		13
	400	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	3pcs	01
	401	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	3pcs	01
	410	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	2pcs	01
	411	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	2pcs	01
*	420	VK075700	Side Pad	Right-Small	サイドパッド小（右）		09
*	430	VK075900	Sub Panel	Right-Small	サブパネル小（右）		13
	440	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	3pcs	01
	441	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	3pcs	01
	450	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	2pcs	01
	451	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	2pcs	01
*	460	VK076100	Front Cover		フロントカバー		14
	470	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	4pcs	01
	471	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	4pcs	01
*	480	VK503100	Hinge	ZNC2BL	蝶番	4pcs	06
	490	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	8pcs	01
	491	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	8pcs	01
	500	BB807050	Contact		接触子	8pcs	01
	510	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	8pcs	01
	511	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	8pcs	01
*	530	VL183700	Knob, Encoder		エンコーダーツマミ	1pc.	10
	540	VJ706200	Volume Knob		ボリュームツマミ	1pc.	02
	550	CB602970	Plastic Rivet	NO.920	プラスチックリベット	3pcs	01
*	560	VK476500	Escutcheon		エスカッション	PHONES	04
*	570	VK476600	Cover		蓋	PHONES	04
	580	VA294400	Shaft		軸	1pc.	03
	590	VA294300	Spring		スプリング	1pc.	03
*	600	VK483600	Jack Bracket		ＪＡＣＫ板		08
	610	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	1pc.	01
	611	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	1pc.	01
	620	ES200180	Hexagonal Nut	φ7.0 ZNC2BL	特殊六角ナット	1pc.	01
	630	ES200180	Hexagonal Nut	φ7.0 ZNC2BL	特殊六角ナット	1pc.	01
	640	AAX-5070	Fader Knob		フェダー ツマミ	10pcs	

＊：New Parts（新規部品）　NR

ランク：Japan Only

■ PANEL ASSEMBLY (パネル Ass'y) 1/2



	Ref. No.	Part No.	Description		部品名	Remarks	ランク
			<PANEL ASSEMBLY>	1/2	<パネルAss'y1/2>		
*	10	VK076200	Meter Panel		メーターパネル		40
*	20	VL225000	Meter Cover Assembly	Left	メーターカバーAss'y		21
*	30	VK076500	Sub Panel, PM		PMサブパネル		16
	40	VF474300	Spacer	KGLS-8RT	ﾛｯｷﾝｸﾞｶｰﾄﾞｽﾍﾟｰｻｰ	6pcs	01
*	50	VK154000	Circuit Board	PM	PMシート		41
	60	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	6pcs	01
	61	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	6pcs	01
*	70	VL225100	Meter Cover Assembly	Right	メーターカバーAss'y		21
*	80	VK076600	Sub Panel, LCD		LCDサブパネル		17
	90	VF474300	Spacer	KGLS-8RT	ﾛｯｷﾝｸﾞｶｰﾄﾞｽﾍﾟｰｻｰ	4pcs	01
*	100	VK154100	Circuit Board	SEG	SEGシート		16
	110	VF474300	Spacer	KGLS-8RT	ﾛｯｷﾝｸﾞｶｰﾄﾞｽﾍﾟｰｻｰ	4pcs	01
*	120	VK154200	Circuit Board	PMS	PMSシート		17
*	125	VL285600	Support	T06B-10 L=10	サポート	4pcs	01
	130	VF031200	LCD	DMF5005NYL-EW	液晶ディスプレイ	(VK162600)	28
	135	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	8pcs	01
	136	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	8pcs	01
	140	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	6pcs	01
	141	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	6pcs	01
*	150	VK151400	Circuit Board	PMD	PMDシート		51
*	155	VL224300	Shield Sheet	PMD BL	絶縁シート		04
	160	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	4pcs	01
	161	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	4pcs	01
	165	ED330086	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	2pcs	01
	166	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	2pcs	01
*	170	VK076700	Sub Panel, CD		CDサブパネル		12
	180	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	2pcs	01
	181	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	2pcs	01
*	190	VK092400	Escutcheon, CD		CDエスカッション		04
	200	ED330066	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	3pcs	01
	201	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	3pcs	01
*	210	VK155000	Circuit Board	CA	CAシート		10
	220	EP600730	Bind Head Tapping Screw-P	3.0X8 FCM3BL	+バインドPタイト	2pcs	01
*	225	VL278400	Felt	Small	フェルト (小)	2pcs	02
*	230	VK076800	Escutcheon, FD		FDエスカッション		05
*	235	VL278300	Felt	Large	フェルト (大)		02
*	240	VK503100	Hinge		蝶番	4pcs	06
	250	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	8pcs	01
	251	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	8pcs	01
	260	BB807050	Contact		接触子	8pcs	01
	270	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	8pcs	01
	271	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	8pcs	01
*	280	VK076900	Panel	Center	センターパネル		40
	285	VD807400	Spacer	H=7.5 B=5.5	支柱	7pcs	01
*	295	VL311100	Support	T07B-10 L=10	サポート	5pcs	02
*	310	VK077200	Sub Panel, PNL		PNLサブパネル		15
*	640	VK403300	Hook Loop Fastener		束線止め	12pcs	02
	690	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	23pcs	01
	691	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	23pcs	01
*	700	VK077600	Sub Panel, PNR		PNRサブパネル		13
	1200	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	25pcs	01
	1201	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	25pcs	01
*	1210	VK154600	Circuit Board	PNL	PNLシート		79
	1220	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	20pcs	01
	1221	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	20pcs	01
	1225	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	5pcs	01
	1226	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	5pcs	01
*	1230	VK077700	Angle Bracket, PNL		PNLアングル		15
*	1240	VK154800	Circuit Board	REL	RELシート		59
	1250	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	10pcs	01
	1251	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	10pcs	01
	1255	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	10pcs	01
	1256	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	10pcs	01
	1260	ES200180	Hexagonal Nut	7.0 ZMC2BL	特殊六角ナット	17pcs	01
*	1270	VK154700	Circuit Board	PNR	PNRシート		60
	1275	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	4pcs	01
	1276	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	4pcs	01
	1280	ED330066	Bind Head Screw	3.0X6 FCM3BL	バインド小ネジ	16pcs	01
	1281	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	16pcs	01
*	1285	VL319400	Spacer		防振スペーサー	5pcs	02
*	1290	VK078000	Angle Bracket, PNR		PNRアングル		21
*	1295	VL288000	Shield Plate, RER		シールドプレート		13
*	1300	VK154900	Circuit Board	RER	RERシート		53
*	1305	VL255000	Protection Sheet, Cable		ケーブル保護シート		07
	1310	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	5pcs	01
	1311	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	5pcs	01
	1315	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	8pcs	01
	1316	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	8pcs	01

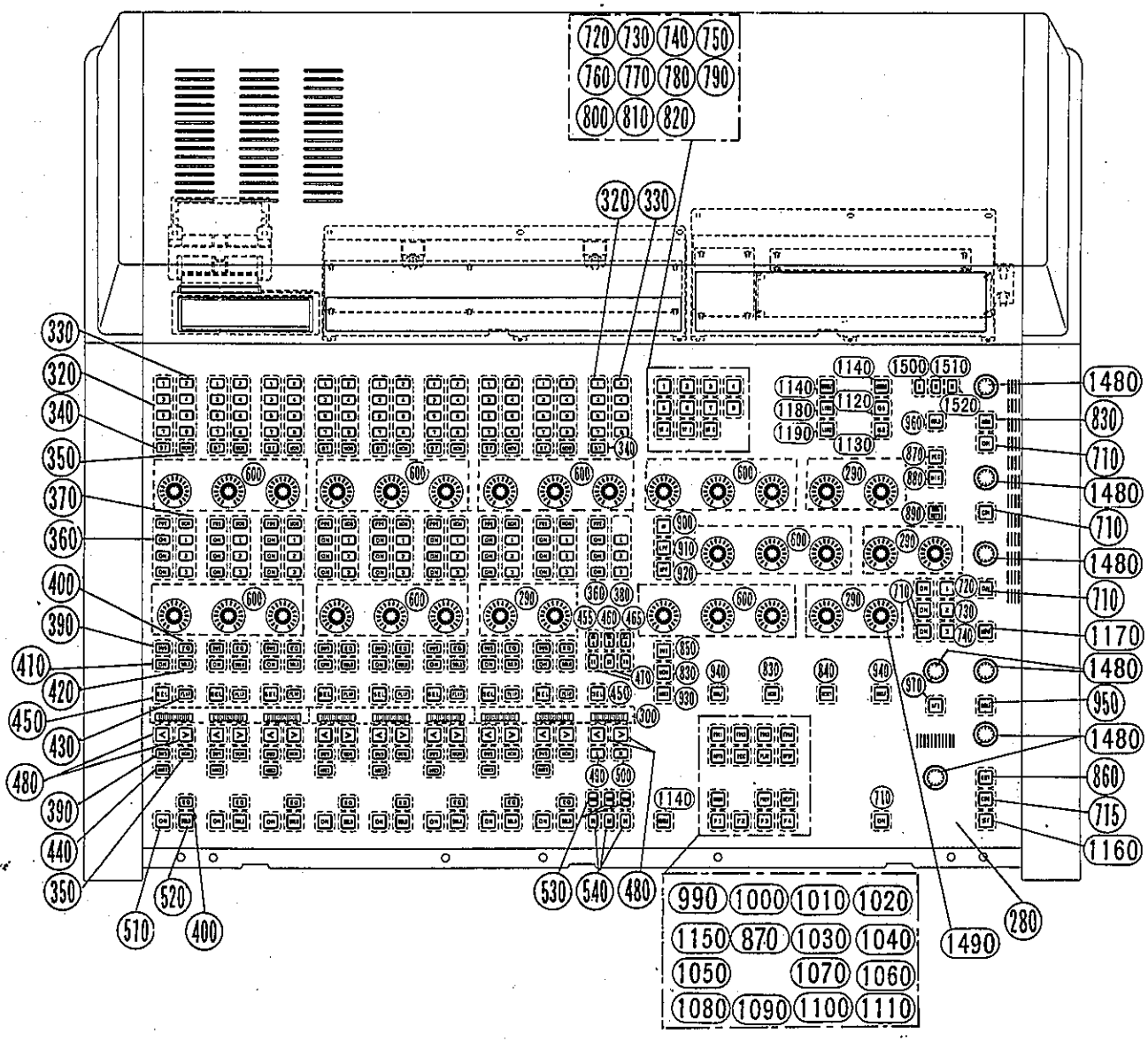
*：New Parts (新規部品)　NR　　ランク：Japan Only

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
	1320	ES200180	Hexagonal Nut	7.0 ZNC2BL	特殊六角ナット	22pcs	01
*	1330	VK151500	Circuit Board	PND	ＰＮＤシート		55
*	1340	VL285700	Support	T06B-15 L=15	サポート	4pcs	01
	1345	EA330086	Pan Head Screw	3.0X8 FCN3BL	ナベ小ネジ	8pcs	01
	1346	EV303306	Spring Washer	3.0 ZNC2BL	バネ座金	8pcs	01
	1347	EV203036	Flat Washer	3.0 FCN3BL	平座金	8pcs	01
*	1350	VK480800	Bonding Head Tapping Screw	4.0X8 FCN3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	6pcs	01
*	1360	VK078300	Side Pad	Left-Large	サイドパッド大（左）		13
*	1370	VK078500	Sub Panel	Left-Large	サブパネル大（左）		20
	1380	EI340086	Bind Head Tapping Screw	4.0X8 FCN3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	9pcs	01
	1381	EV413046	Toothed Lock Washer	A 4.0 FCN3BL	歯付座金内歯形	9pcs	01
	1390	ED330086	Bind Head Screw	3.0X8 FCN3BL	バインド小ネジ	2pcs	01
	1391	EV413036	Toothed Lock Washer	A 3.0 FCN3BL	歯付座金内歯形	2pcs	01
	1400	EI340086	Bind Head Tapping Screw	4.0X8 FCN3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	6pcs	01
	1401	EV413046	Toothed Lock Washer	A 4.0 FCN3BL	歯付座金内歯形	6pcs	01
*	1410	VK078200	Side Pad	Right-Large	サイドパッド大（右）		13
*	1420	VK078400	Sub Panel	Right-Large	サブパネル大（右）		20
	1430	EI340086	Bind Head Tapping Screw	4.0X8 FCN3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	9pcs	01
	1431	EV413046	Toothed Lock Washer	A 4.0 FCN3BL	歯付座金内歯形	9pcs	01
	1440	ED330086	Bind Head Screw	3.0X8 FCN3BL	バインド小ネジ	2pcs	01
	1441	EV413036	Toothed Lock Washer	A 3.0 FCN3BL	歯付座金内歯形	2pcs	01
	1450	EI340086	Bind Head Tapping Screw	4.0X8 FCN3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	6pcs	01
	1451	EV413046	Toothed Lock Washer	A 4.0 FCN3BL	歯付座金内歯形	6pcs	01
*	1530	VK780000	Lamp Cap	AG-4015-G5	ランプキャップ	4pcs	02
* *	1540	VK780100	Lamp	1.6W 115mA L600	ランプ 1pc.	～S/# HK*****	05
* * *	1540	VL443900	Lamp	1.6W 115mA L600	ランプ 2pcs	S/# HL01001～	03
* *	1550	VK780200	Lamp	1.6W 115mA L300	ランプ 1pc.	～S/# HK*****	05
* * *	1550	VL443900	Lamp	1.6W 115mA L600	ランプ 2pcs	S/# HL01001～	03
*	1560	VL136000	Stop Stay	Left	ストップステー（左）		14
*	1570	VL136100	Stop Stay	Right	ストップステー（右）		14
	1590	EB330086	Flat Head Screw	3.0X8 FCN3BL	皿小ネジ	4pcs	01
	1610	VJ770600	Cord Holder	S-126	束線止め	1pc.	01
	1620	CB817510	Cord Holder	S-14B	束線止め	4pcs	01
	1630	EI340086	Bind Head Tapping Screw	4.0X8 FCN3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	2pcs	01
	1631	EV413046	Toothed Lock Washer	A 4.0 FCN3BL	歯付座金内歯形	2pcs	01
*	1640	VL186200	Masking Sheet	C-4405	マスキングシート	2pcs	03
*	1650	VL314700	Angle Bracket, PCB	A	シート金具（A）		09
	1660	ED340086	Bind Head Screw	4.0X8 FCN3BL	バインド小ネジ	1pc.	01
	1661	EV413046	Toothed Lock Washer	A 4.0 FCN3BL	歯付座金内歯形	1pc.	01
*	1670	VL314800	Angle Bracket, PCB	B1	シート金具（B1）		10
*	1680	VL314900	Angle Bracket, PCB	B2	シート金具（B2）		09
	1690	ED330086	Bind Head Screw	3.0X8 FCN3BL	バインド小ネジ	3pcs	01
	1691	EV413036	Toothed Lock Washer	A 3.0 FCN3BL	歯付座金内歯形	3pcs	01
	1700	ED330086	Bind Head Screw	3.0X8 FCN3BL	バインド小ネジ	1pc.	01
	1701	EV413036	Toothed Lock Washer	A 3.0 FCN3BL	歯付座金内歯形	1pc.	01
	1710	ED330086	Bind Head Screw	3.0X8 FCN3BL	バインド小ネジ	2pcs	01
	1711	EV413036	Toothed Lock Washer	A 3.0 FCN3BL	歯付座金内歯形	2pcs	01
	1720	VC362700	Ferrite Core	FR25/15/12-1400	フェライトコア	2pcs	04
	1730	CB835590	Holder	THS-20	バンド固定金具	2pcs	01
	1740	CB069250	Wire Harness Tie	BK-1	束線止め	2pcs	01

＊：New Parts（新規部品） NR

ランク：Japan Only

■PANEL ASSEMBLY (パネル Ass'y) 2/2



	Ref. No.	Part No.	Description		部品名	Remarks	ランク
			<PANEL ASSEMBLY>	2/2	<パネルAss'y2/2>		
*	290	VK077000	LED Cover (2)	16 points	LEDカバー(2)	4pcs	07
*	300	VK077100	LED Cover	8 points	LEDカバー	3pcs	06
*	320	VK473700	Push Button Assembly	<4>1,3,5,7 S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	9pcs	07
*	330	VK473800	Push Button Assembly	<4>2,4,6,8 S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	8pcs	07
*	340	VK466300	Push Button Assembly	<1>ST S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	9pcs	04
*	350	VK466600	Push Button Assembly	<1>MON S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	16pcs	04
*	360	VK473900	Push Button Assembly	<4>PRE,ON3 S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	9pcs	07
*	370	VK474000	Push Button Assembly	<4>MON,1-3 S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	8pcs	07
*	380	VK573100	Push Button Assembly	<3>1-3 S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	1pc.	06
*	390	VK467700	Push Button Assembly	<1>BUS S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	16pcs	04
*	400	VK467100	Push Button Assembly	<1>EQ S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	16pcs	04
*	410	VK466700	Push Button Assembly	<1>ON S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	8pcs	04
*	420	VK467200	Push Button Assembly	<1>SOLO S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	8pcs	04
*	430	VK467600	Push Button Assembly	<1>FLIP S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	8pcs	04
*	440	VK467800	Push Button Assembly	<1>AUX3 S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	8pcs	04
*	450	VK478000	Push Button Assembly	<1>SEL L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	9pcs	04
*	455	VL175100	Push Button Assembly	<1>SEL A S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	1pc.	04
*	460	VL175200	Push Button Assembly	<3>SEL B S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	1pc.	04
*	465	VL175300	Push Button Assembly	<3>SEL C S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	1pc.	04
*	470	VL175400	Push Button Assembly	<1>EQ S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	3pcs	04
*	480	VK478600	Push Button Assembly	<1>< L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	18pcs	04
*	490	VK467900	Push Button Assembly	<1>L S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	1pc.	04
*	500	VK468000	Push Button Assembly	<1>R S	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	1pc.	04
*	510	VK468600	Push Button Assembly	<1>ON L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	8pcs	04
*	520	VK471900	Push Button Assembly	<1>SOLO L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	8pcs	04
*	530	VK468100	Push Button Assembly	<1>SOLO S-V	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	3pcs	04
*	540	VK466400	Push Button Assembly	<1>ON S-V	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	3pcs	04
*	600	VK449100	LED Cover (3)	16 points	LEDカバー(3)	8pcs	08
*	710	VK468600	Push Button Assembly	<1>ON L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	7pcs	04
*	715	VL177900	Push Button Assembly	<1>CUE L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	720	VK468800	Push Button Assembly	<1>1 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	2pcs	04
*	730	VK468900	Push Button Assembly	<1>2 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	2pcs	04
*	740	VK469000	Push Button Assembly	<1>3 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	2pcs	04
*	750	VK469100	Push Button Assembly	<1>4 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	760	VK469200	Push Button Assembly	<1>5 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	770	VK469300	Push Button Assembly	<1>6 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	780	VK469400	Push Button Assembly	<1>7 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	790	VK469500	Push Button Assembly	<1>8 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	800	VK469600	Push Button Assembly	<1>ST A L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	810	VK469700	Push Button Assembly	<1>ST B L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	820	VK469800	Push Button Assembly	<1>ST C L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	830	VK469900	Push Button Assembly	<1>MON L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	3pcs	04
*	840	VK470000	Push Button Assembly	<1>RESET L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	850	VK470100	Push Button Assembly	<1>BUS L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	860	VK470200	Push Button Assembly	<1>EXT L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	870	VK470300	Push Button Assembly	<1>REC L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	2pcs	04
*	880	VK470400	Push Button Assembly	<1>MIX L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	890	VK470500	Push Button Assembly	<1>BUSMSTR L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	900	VK470600	Push Button Assembly	<1>φ L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	910	VK470700	Push Button Assembly	<1>LPF L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	920	VK470800	Push Button Assembly	<1>HPF L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	930	VK470900	Push Button Assembly	<1>AUX3 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	940	VK471000	Push Button Assembly	<1>SHELF L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	2pcs	04
*	950	VK471100	Push Button Assembly	<1>SMALL L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	960	VK471200	Push Button Assembly	<1>HOLD L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	970	VK471300	Push Button Assembly	<1>AFL L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	990	VK471500	Push Button Assembly	<1>TRK 1 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1000	VK471600	Push Button Assembly	<1>TRK 2 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1010	VK471700	Push Button Assembly	<1>TRK 3 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1020	VK471800	Push Button Assembly	<1>TRK 4 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1030	VK472000	Push Button Assembly	<1>PLAY L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1040	VK472100	Push Button Assembly	<1>STOP L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1050	VK472200	Push Button Assembly	<1>UNDO L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1060	VK472300	Push Button Assembly	<1>NEXT L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1070	VK472400	Push Button Assembly	<1>PREV L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1080	VK472500	Push Button Assembly	<1>F1 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1090	VK472600	Push Button Assembly	<1>F2 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1100	VK472700	Push Button Assembly	<1>F3 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1110	VK472800	Push Button Assembly	<1>F4 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1120	VK472900	Push Button Assembly	<1>G1 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1130	VK473000	Push Button Assembly	<1>G2 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1140	VK473100	Push Button Assembly	<1>ENABLE L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1150	VK473200	Push Button Assembly	<1>AUTO L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1160	VK473300	Push Button Assembly	<1>ST L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1170	VK473400	Push Button Assembly	<1>MONO L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1180	VK473500	Push Button Assembly	<1>LINK 1 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
*	1190	VK473600	Push Button Assembly	<1>LINK 2 L	ﾌﾟｯｼｭﾎﾞﾀﾝ大 Ass'y	1pc.	04
	1480	VJ706200	Volume Knob		ボリュームツマミ	7pcs	02

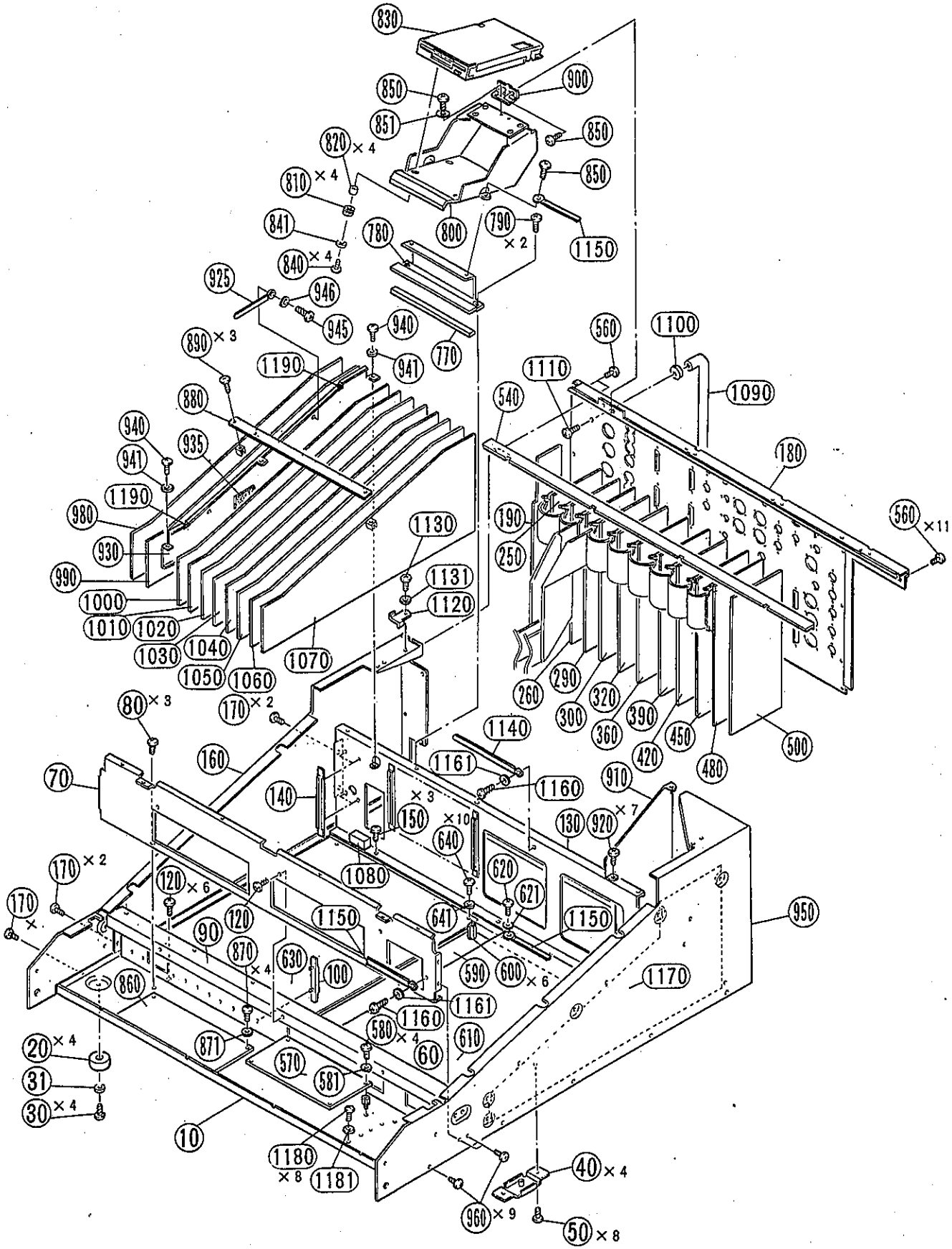
*：New Parts (新規部品)　NR　　ランク：Japan Only

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
*	1490	VK092500	Knob	Small	ノブ小	32pcs	02
*	1500	VK466800	Push Button Assembly	Small	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	<1> I	04
*	1510	VK466900	Push Button Assembly	Small	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	<1> II	04
*	1520	VK467000	Push Button Assembly	Small	ﾌﾟｯｼｭﾎﾞﾀﾝ小 Ass'y	<1> III	04

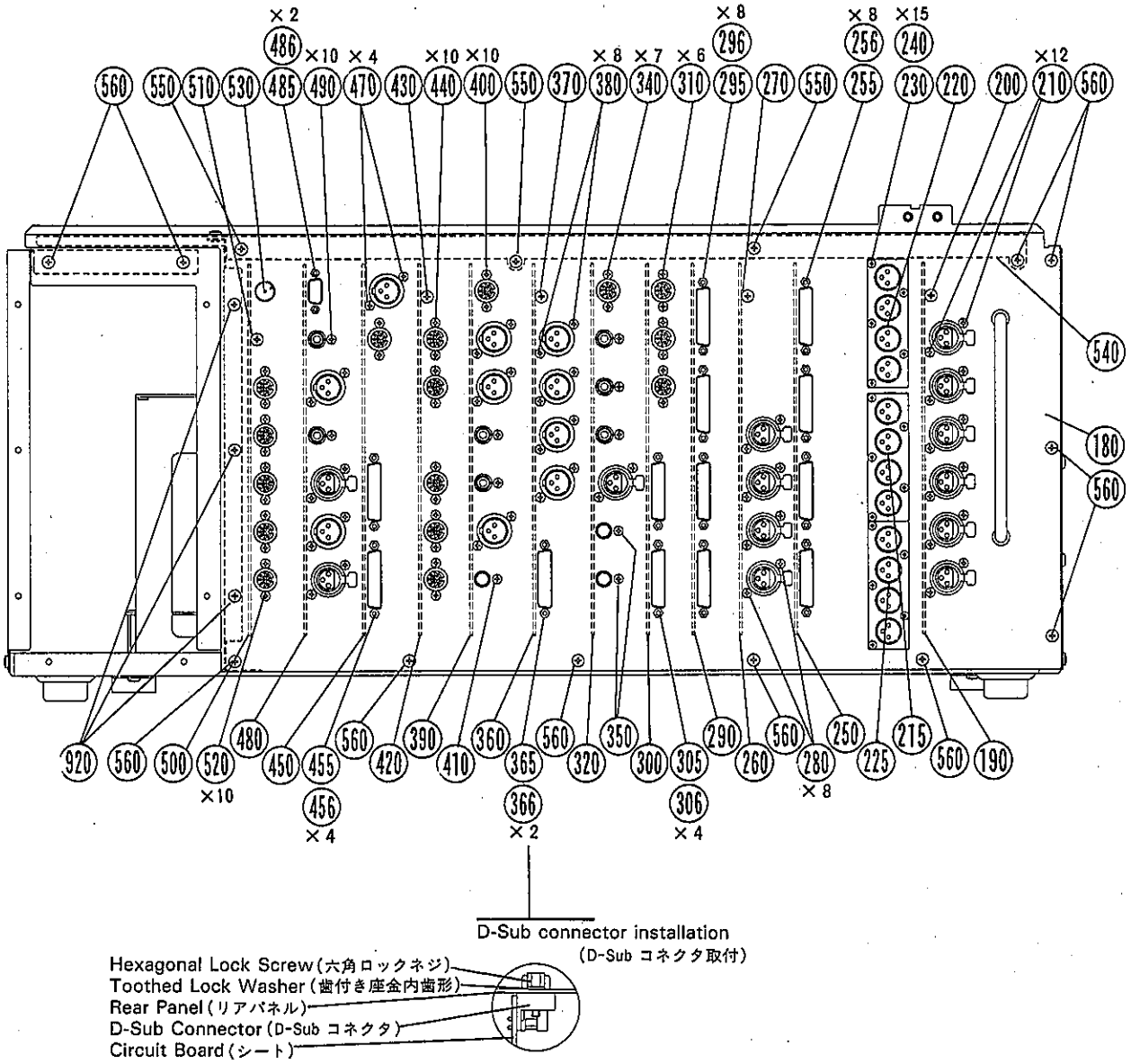
* : New Parts (新規部品)　NR

ランク : Japan Only

■BOTTOM ASSEMBLY(ボトムAss'y)



● Rear side view (後方より)



D-Sub connector installation
(D-Sub コネクタ取付)

Hexagonal Lock Screw (六角ロックネジ)
Toothed Lock Washer (歯付き座金内歯形)
Rear Panel (リアパネル)
D-Sub Connector (D-Sub コネクタ)
Circuit Board (シート)

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
			<BOTTOM ASSEMBLY>		<ボトムAss'y>		
*	10	VK068400	Bottom Cover		ボトムカバー		46
	20	CB806590	Foot	ABS(BL)	アンプレッグ	4pcs	01
	30	EI340106	Bind Head Tapping Screw	4.0X10 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	4pcs	01
	31	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	4pcs	01
*	40	VK070600	Stand Angle Bracket		スタンド金具	4pcs	06
*	50	VK480800	Bonding Head Tapping Screw	4.0X8 FCM3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	8pcs	01
	60	VD807400	Spacer	H=7.5 B=5.5	支柱	24pcs	01
*	70	VK071100	Stay	Front	ステー（前）		17
*	80	VK480800	Bonding Head Tapping Screw	4.0X8 FCM3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	3pcs	01
*	90	VK071600	Stay	Center	ステー（中）		15
*	100	VK092800	Guide Rail	OR-80S	ガイドレール	10pcs	03
*	120	VK480800	Bonding Head Tapping Screw	4.0X8 FCM3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	6pcs	01
*	130	VK071800	Stay	Rear	ステー（後）		14
*	140	VK092900	Guide Rail	GR-120S	ガイドレール	10pcs	04
*	150	VK480800	Bonding Head Tapping Screw	4.0X8 FCM3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	3pcs	01
*	160	VK072300	Side Cover	Left	サイドカバー（左）		23
*	170	VK480800	Bonding Head Tapping Screw	4.0X8 FCM3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	11pcs	01
*	180	VK148800	Rear Panel		リアパネル		27
*	190	VK152400	Circuit Board	CRA	ＣＲＡシート		22
*	200	VK464300	Boding Head Screw	4.0X8 FCM3BL	ボンディング小ネジ	1pc.	01
	210	VD330000	Boding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	12pcs	01
	215	VK448900	XL Connector	HA16RN-3PF-A	キャノンコネクター	LARGE, SMALL O	11
	220	VK448900	XL Connector	HA16RN-3PF-A	キャノンコネクター	AUX SEND	11
	225	VK448900	XL Connector	HA16RN-3PF-A	キャノンコネクター	STUDIO, CUE OUT	11
	230	ED326086	Bind Head Screw	2.6X8 ZMC2BL	バインド小ネジ	15pcs	01
	240	EV413266	Toothed Lock Washer	A2.6 FCM3BL	歯付座金内歯形	15pcs	01
*	250	VK152100	Circuit Board	CRC	ＣＲＣシート		44
*	255	VL183000	Hexagonal Lock Screw	D20418-J3F JAE	六角ロックネジ	8pcs	03
	256	EV413266	Toothed Lock Washer	A 2.6 FCM3BL	歯付座金内歯形	8pcs	01
*	260	VK152200	Circuit Board	CRD	ＣＲＤシート		26
*	270	VK464300	Boding Head Screw	4.0X8 FCM3BL	ボンディング小ネジ	1pc.	01
	280	VD330000	Boding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	8pcs	01
*	290	VK152600	Circuit Board	CRE	ＣＲＥシート		45
*	295	VL183000	Hexagonal Lock Screw	D20418-J3F JAE	六角ロックネジ	8pcs	03
	296	EV413266	Toothed Lock Washer	A 2.6 FCM3BL	歯付座金内歯形	8pcs	01
*	300	VK152300	Circuit Board	CRF	ＣＲＦシート		36
*	305	VL183000	Hexagonal Lock Screw	D20418-J3F JAE	六角ロックネジ	4pcs	03
	306	EV413266	Toothed Lock Washer	A 2.6 FCM3BL	歯付座金内歯形	4pcs	01
	310	VD330000	Boding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	6pcs	01
*	320	VK152500	Circuit Board	CRG	ＣＲＧシート		25
	340	VD330000	Boding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	7pcs	01
	350	EP600730	Bind Head Tapping Screw-P	3.0X8 FCM3BL	＋バインドＰタイト	2pcs	01
*	360	VK152700	Circuit Board	CRH	ＣＲＨシート		31
*	365	VL183000	Hexagonal Lock Screw	D20418-J3F JAE	六角ロックネジ	2pcs	03
	366	EV413266	Toothed Lock Washer	A 2.6 FCM3BL	歯付座金内歯形	2pcs	01
*	370	VK464300	Boding Head Screw	4.0X8 FCM3BL	ボンディング小ネジ	1pc.	01
	380	VD330000	Boding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	8pcs	01
*	390	VK152800	Circuit Board	CRI	ＣＲＩシート		27
	400	VD330000	Boding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	10pcs	01
	410	EP600730	Bind Head Tapping Screw-P	3.0X8 FCM3BL	＋バインドＰタイト	1pc.	01
*	420	VK152900	Circuit Board	CRJ	ＣＲＪシート		27
*	430	VK464300	Boding Head Screw	4.0X8 FCM3BL	ボンディング小ネジ	1pc.	01
	440	VD330000	Boding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	10pcs	01
*	450	VK153300	Circuit Board	CRK	ＣＲＫシート		34
*	455	VL183000	Hexagonal Lock Screw	D20418-J3F JAE	六角ロックネジ	4pcs	03
	456	EV413266	Toothed Lock Washer	A 2.6 FCM3BL	歯付座金内歯形	4pcs	01
	470	VD330000	Boding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	4pcs	01
*	480	VK153600	Circuit Board	CRL	ＣＲＬシート		30
*	485	VL183000	Hexagonal Lock Screw	D20418-J3F JAE	六角ロックネジ	2pcs	03
	486	EV413266	Toothed Lock Washer	A 2.6 FCM3BL	歯付座金内歯形	2pcs	01
	490	VD330000	Boding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	10pcs	01
*	500	VK153500	Circuit Board	CRM	ＣＲＭシート		20
*	510	VK464300	Boding Head Screw	4.0X8 FCM3BL	ボンディング小ネジ	1pc.	01
	520	VD330000	Boding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	10pcs	01
	530	VB182000	Knob, Round	WH-Beige	ノブ（白ーベージュ）	LCD CONTRAST	01
*	540	VK462700	Reinforcement Bracket		補強アングル		09
*	550	VK480800	Bonding Head Tapping Screw	4.0X8 FCM3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	3pcs	01
*	560	VK480800	Bonding Head Tapping Screw	4.0X8 FCM3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	11pcs	01
*	570	VL686700	Circuit Board	DTB	ＤＴＢシート	J	26
*	570	VL686900	Circuit Board	DTB	ＤＴＢシート	U,C	27
*	570	VL687100	Circuit Board	DTB	ＤＴＢシート	H,B	26
	580	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	4pcs	01
	581	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	4pcs	01
*	590	VK151300	Circuit Board	DSP	ＤＳＰシート		91
*	600	VL180200	Support	T09B-30 L=30	サポート	6pcs	03
*	610	VK151200	Circuit Board	CPU	ＣＰＵシート		
	620	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	6pcs	01
	621	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	6pcs	01

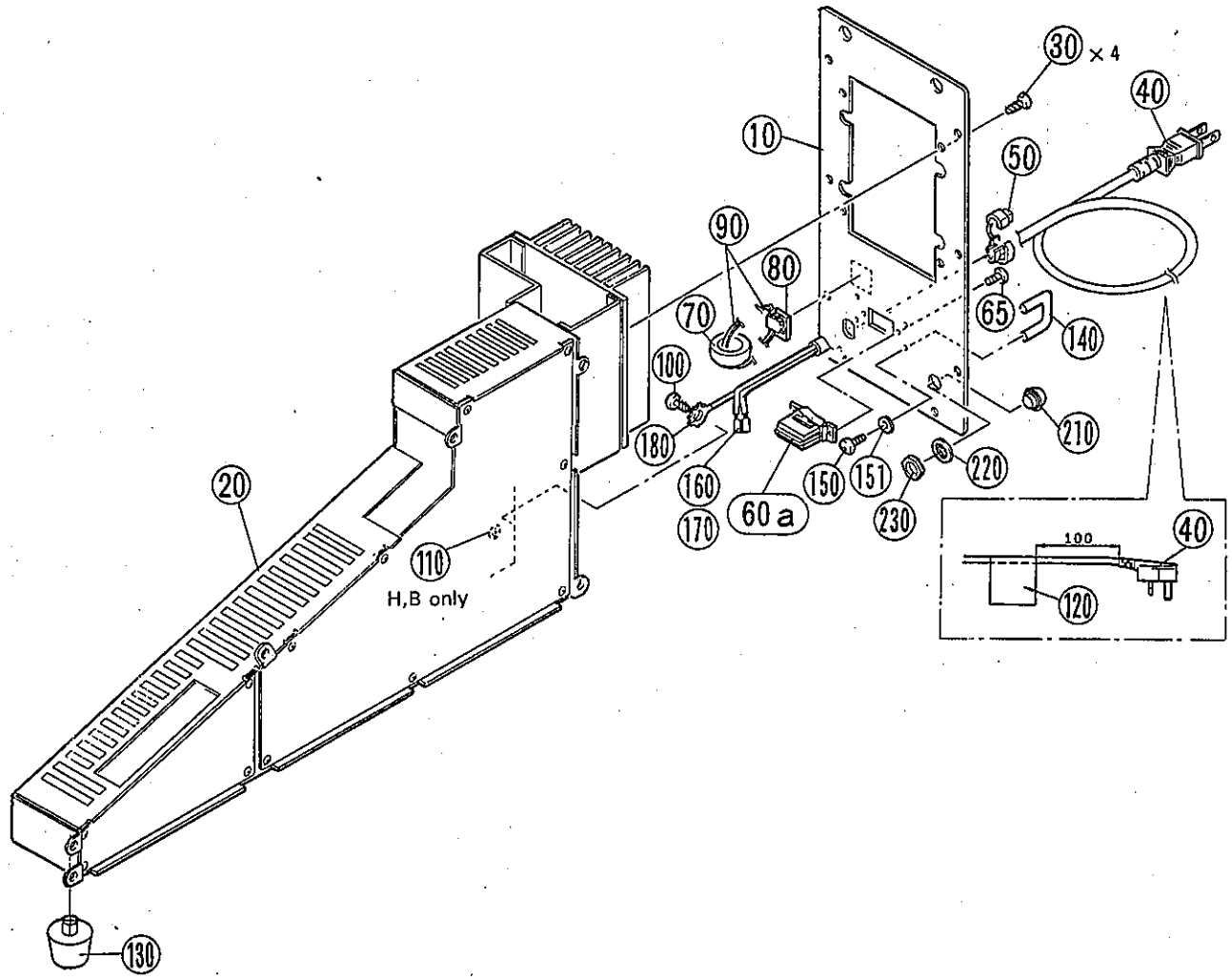
＊：New Parts（新規部品）　NR　　ランク：Japan Only

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
*	630	VK153800	Circuit Board	MBD	ＭＢＤシート		54
	640	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	10pcs	01
	641	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	10pcs	01
*	770	VL266800	Rubber Holder, PCB	mid	基板押えゴム（中）		02
*	780	VK074300	Angle Bracket, FD		ＦＤアングル		10
	790	VD330000	Bonding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	2pcs	01
*	800	VK074400	Sub Panel, FD		サブパネル		18
	810	VC886900	Insulator, FDD		ＦＤＤインシュレータ	4pcs	01
	820	VD385000	Bushing	3X3 ZMC2Y	巻きブッシュ	4pcs	01
	830	VI577100	Floppy Disk Drive Unit	MF353C-152MY	３．５"ＦＤＤ		27
	840	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	4pcs	01
	841	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	4pcs	01
	850	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	6pcs	01
	851	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	6pcs	01
*	860	VK244600	Circuit Board	MDR	ＭＤＲシート		20
	870	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	4pcs	01
	871	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	4pcs	01
*	880	VK462800	Angle Bracket, PCB		基板押え金具		09
	890	VD330000	Bonding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	3pcs	01
*	900	VK503100	Hinge	ZMC2BL	蝶番	1pc.	06
*	910	VK463100	Angle Bracket	Right	サブ金具（右）		11
*	920	VK480800	Bonding Head Tapping Screw	4.0X8 FCM3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	7pcs	01
	925	CB817510	Cord Holder	S-14B	束線止め	2pcs	01
*	930	VK463000	Shield Plate		シールドプレート		13
*	935	VK463300	Hook Loop Fastener		束線止め	4pcs	02
	940	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	2pcs	01
	941	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	2pcs	01
	945	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	2pcs	01
	946	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	2pcs	01
*	950	VK071900	Side Cover	Right	サイドカバー（右）		24
*	960	VK480800	Bonding Head Tapping Screw	4.0X8 FCM3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	9pcs	01
*	980	VK707500	Circuit Board	ANA1/2	ＡＮＡ1/2シート		78
*	990	VK707600	Circuit Board	ANA2/2	ＡＮＡ2/2シート		78
*	1000	VK708100	Circuit Board	CIN1/2	ＣＩＮ1/2シート		65
*	1010	VK708200	Circuit Board	CIN2/2	ＣＩＮ2/2シート		65
*	1020	VK707700	Circuit Board	IN1/2	ＩＮ1/2シート		66
*	1030	VK707800	Circuit Board	IN2/2	ＩＮ2/2シート		69
*	1040	VK707900	Circuit Board	OUT1/2	ＯＵＴ1/2シート		74
*	1050	VK708000	Circuit Board	OUT2/2	ＯＵＴ2/2シート		74
*	1060	VK708300	Circuit Board	CLK1/2	ＣＬＫ1/2シート		50
*	1070	VK708400	Circuit Board	CLK2/2	ＣＬＫ2/2シート		51
*	1080	VK768100	Holder, Shield Plate		シールド板押え	1pc.	02
*	1090	VL100100	Panel Handle	TLA-31	パネル取手		08
*	1100	VL100200	Washer, Panel Handle	THA-268	パネル取手用座金	2pcs	03
	1110	ED350126	Bind Head Screw	5.0X12 FCM3BL	バインド小ネジ	2pcs	01
*	1120	VL037600	Stopper, FD		ＦＤストッパー		08
	1130	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	1pc.	01
	1131	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	1pc.	01
	1140	VJ770600	Cord Holder	S-12B	束線止め	1pc.	01
	1150	CB817510	Cord Holder	S-14B	束線止め	4pcs	01
	1160	EI340086	Bind Head Tapping Screw	4.0X8 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	2pcs	01
	1161	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	2pcs	01
*	1170	VL035500	Shield Sheet		絶縁シート		09
	1180	ED340066	Bind Head Screw	4.0X6 ZMC2BL	バインド小ネジ	8pcs	01
	1181	EV413046	Toothed Lock Washer	A 4.0 FCM3BL	歯付座金内歯形	8pcs	01
	1190	--	Acetate Cloth Tape	15×30	アセテート粘着テープ		

＊：New Parts（新規部品）　NR

ランク：Japan Only

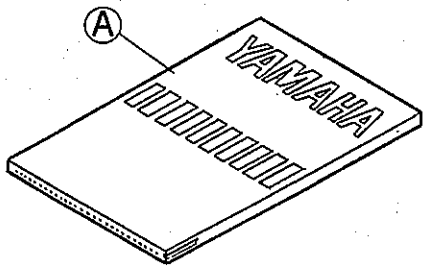
■POWER SUPPLY ASSEMBRY（電源Ass'y）

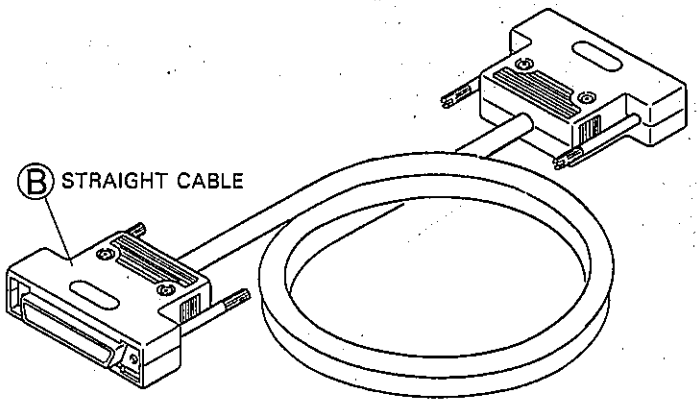


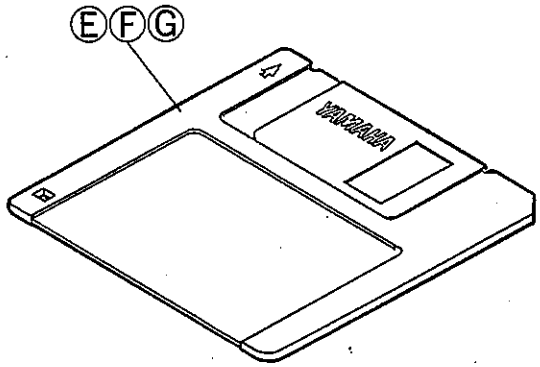
	Ref. No.	Part No.	Description		部品名	Remarks	ランク
			<POWER SUPPLY ASSEMBLY>		<電源Ass'y>		
*	10	VK423200	Panel,Power Supply		電源パネル	J	15
*	10	VK423300	Panel,Power Supply		電源パネル	U,C	15
*	10	VK423400	Panel,Power Supply		電源パネル	H	15
*	10	VK586000	Panel,Power Supply		電源パネル	B	15
*	20	VK162000	Power Supply Unit		電源ユニット	J,U,C	82
*	20	VK162100	Power Supply Unit		電源ユニット	H,B	82
*	30	VK480800	Bonding Head Tapping Screw	4.0X8 FCM3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	4pcs	01
	40	MG000610	AC Cord	J 15A 2.1M	電源コード	J	06
	40	VD279600	AC Cord	UC 10A 2.5M	電源コード	U,C	08
	40	VD280600	AC Cord	E 10A 2.5M	電源コード	H	08
	40	VH890200	AC Cord	B 10A 2.5M	電源コード	B	09
	50	CB806850	Cord Strain Relief	SR-6N3-4	コードストッパー	J,U,C	02
	50	CB032840	Cord Strain Relief	SR-5N-4	コードストッパー	H,B	01
	60	--	Connector Assembly	POWER SW	線材Ass'y		
*	60a	VL241000	Seesaw Switch	EST-15	シーソースイッチ	POWER SWITCH	07
	65	VD330000	Bonding Head Screw	3.0X8 FCM3BL	ボンディング小ネジ	2pcs	01
	70	VC362700	Ferrite Core	FR25/15/12-1400	フェライトコア	1pc.	04
	80	CB835590	Holder	TMS-20	バンド固定具		01
	90	CB069250	Cord Tie	BK-1	束線止め	1pc.	01
*	100	VK480800	Bonding Head Tapping Screw	4.0X8 FCM3BL	ﾎﾞﾝﾃﾞｨﾝｸﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	1pc.	01
	110	--	Earth Mark		アースマーク	H,B	
	120	--	Label	BS-3	コード注意ラベル	B	
*	130	VL136400	Plastic Foot		プラスティックフット	1pc.	05
	140	VG322400	Protector		プロテクター	2pcs	06
	150	ED330086	Bind Head Screw	3.0X8 FCM3BL	バインド小ネジ	4pcs	01
	151	EV413036	Toothed Lock Washer	A 3.0 FCM3BL	歯付座金内歯形	4pcs	01
	160	LB101160	Terminal	170265-2	圧着端子	2pcs	01
	170	LB101180	Positive Lock Housing	1P	PLハウジング	2pcs	01
	180	LA003690	Lug Terminal		ラグ端子	U,C,H,B	01
	210	NB082640	Earth Terminal Assembly		アース端子Ass'y	J	05
	220	ET800060	Toothed Lock Washer	8.0 ZMC2Y	歯付座金内歯形	J (1pc.)	01
	230	LA001680	Hexagonal Nut	M8×0.75 NI	六角ナット	J (1pc.)	01

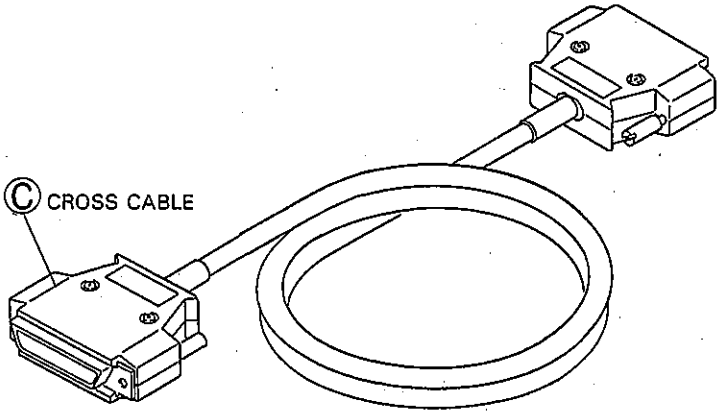
 ＊：New Parts（新規部品） NR ランク：Japan Only

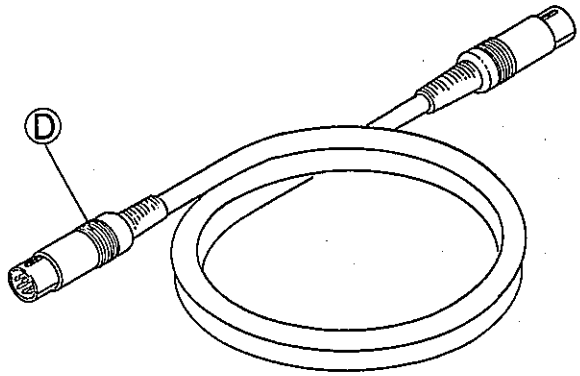
■ACCESSORIES (付属品)









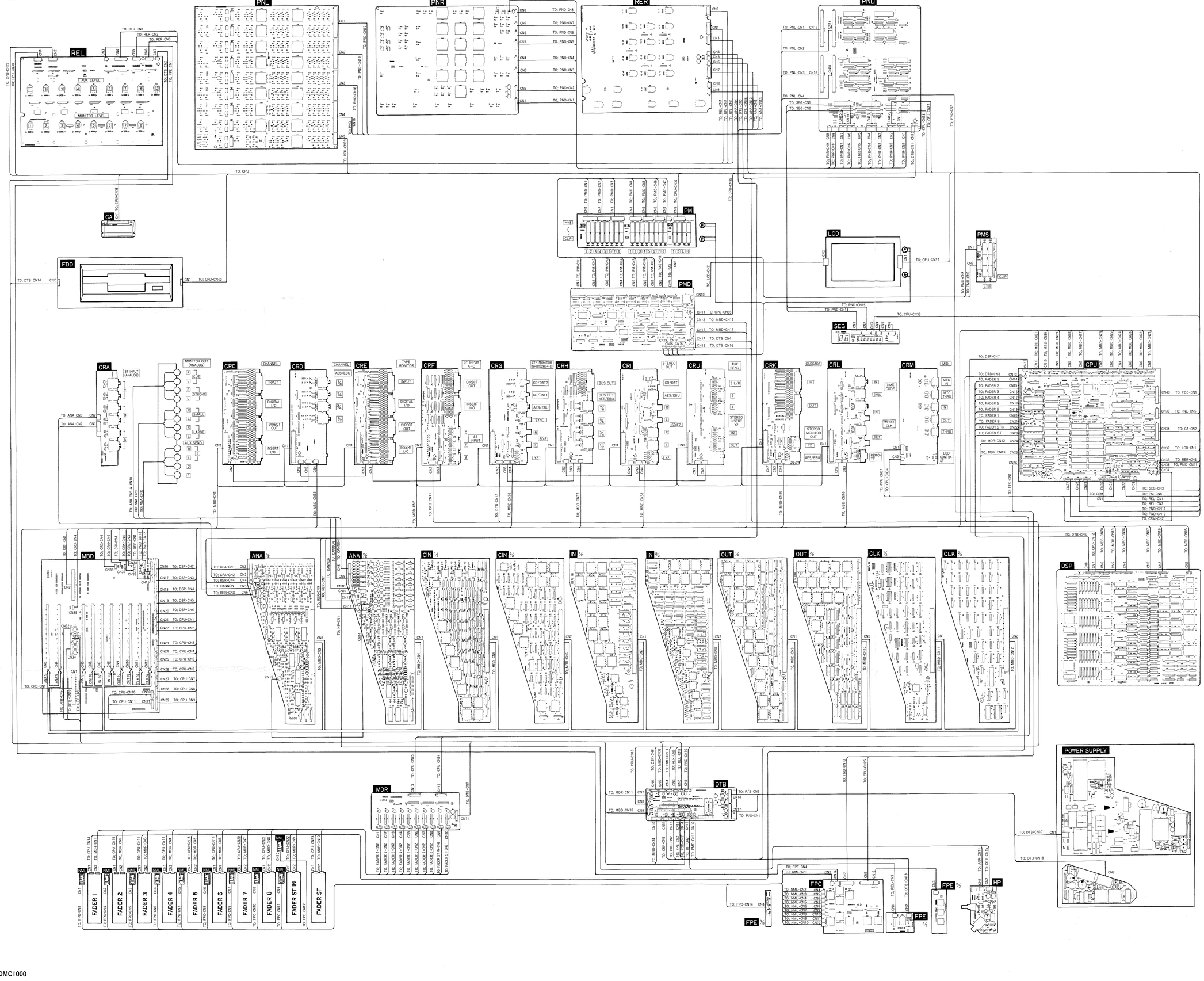


Ref. No.	Part No.	Description		部品名	Remarks	ランク
		<ACCESSORRIES>		<付属品>		
A	VG567500	RAM Card	MCD-64	RAMカード		23
B	VF739800	D-SUB Cable	25P 5m	D-SUBケーブル	STRAIGHT	26
C	VJ132100	D-SUB Cable	25P 17JE	D-SUBケーブル	CROSS	21
D	VD996300	Cascade Cable	DIN8P 3m	カスケードケーブル		12
E	--	Floppy Disk	SYSTEM DISK	搏込済フロッピー	1000K 3.5-inch	
F	--	Floppy Disk	BLANK DISK	フロッピーディスク	1000K 3.5-inch	
G	--	Floppy Disk	HEAD PROTECT	フロッピーディスク	1000K 3.5-inch	
		<SERVICE PARTS>		<サービス専用部品>		
*	TX800230	Stay		ステー		11
*	TX800220	Extension Board Set		延長基板セット		

*: New Parts (新規部品) NR

ランク: Japan Only

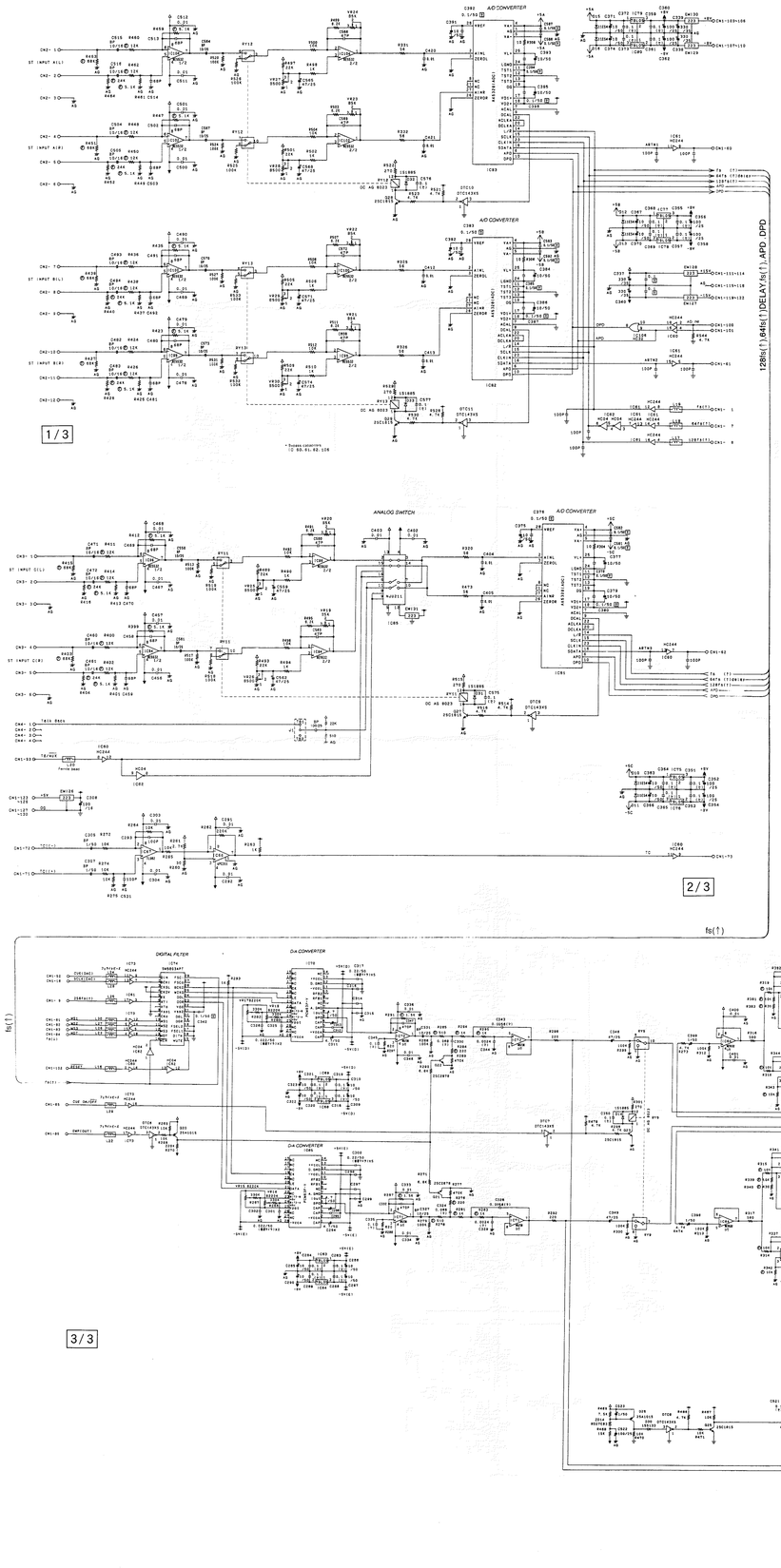
■ DMC1000 WIRING



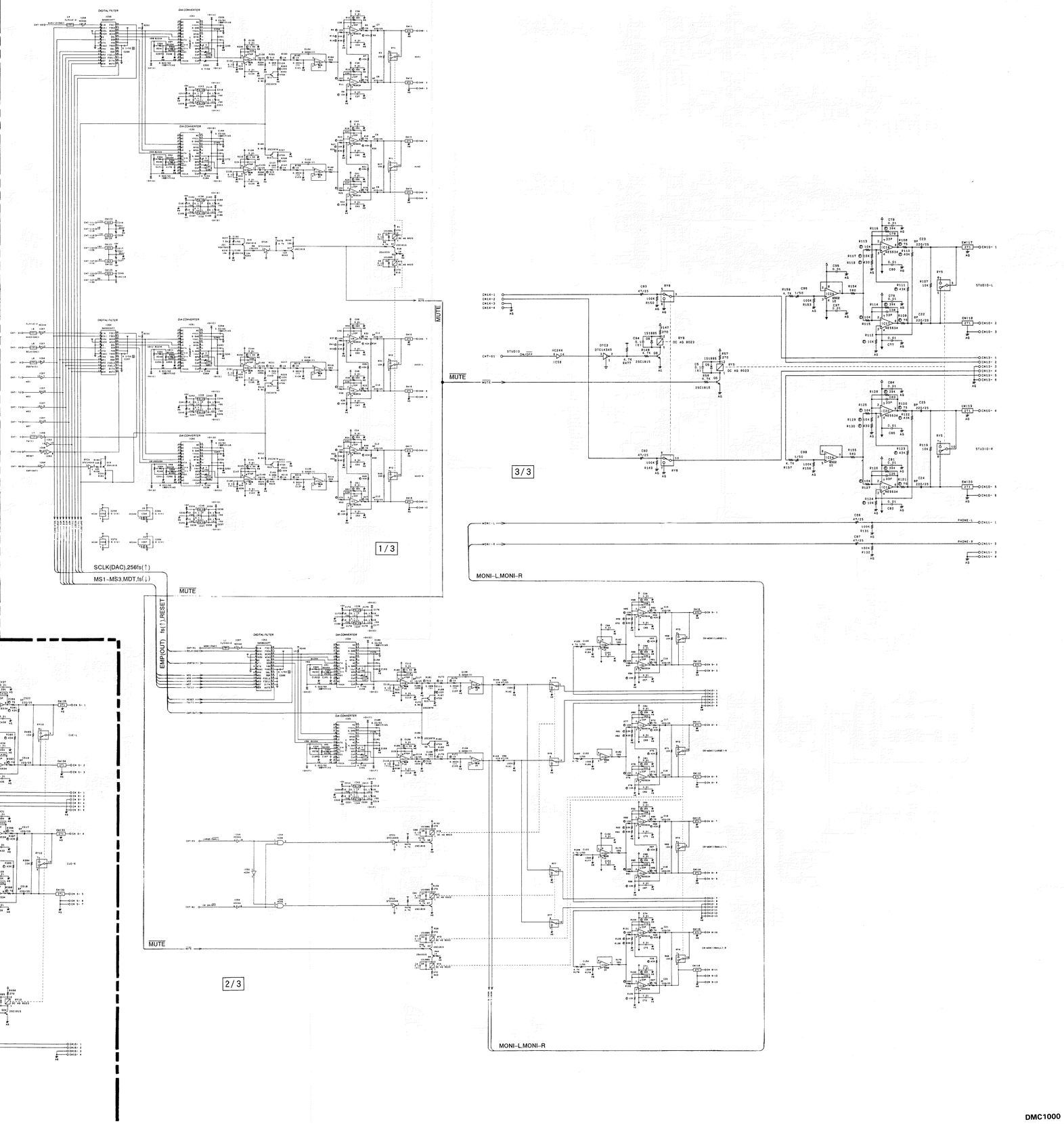
DMC1000

■ANA 1/2, 2/2 CIRCUIT DIAGRAM (Version C)

● ANA1/2 CIRCUIT DIAGRAM (Version C)



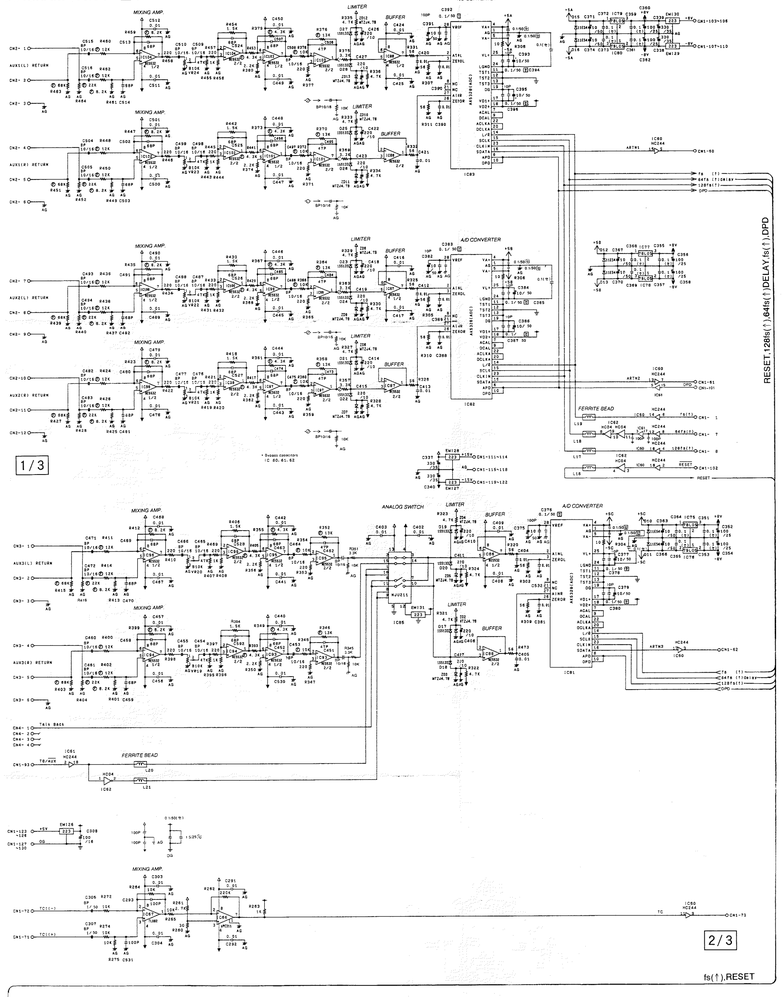
● ANA2/2 CIRCUIT DIAGRAM (Version C)



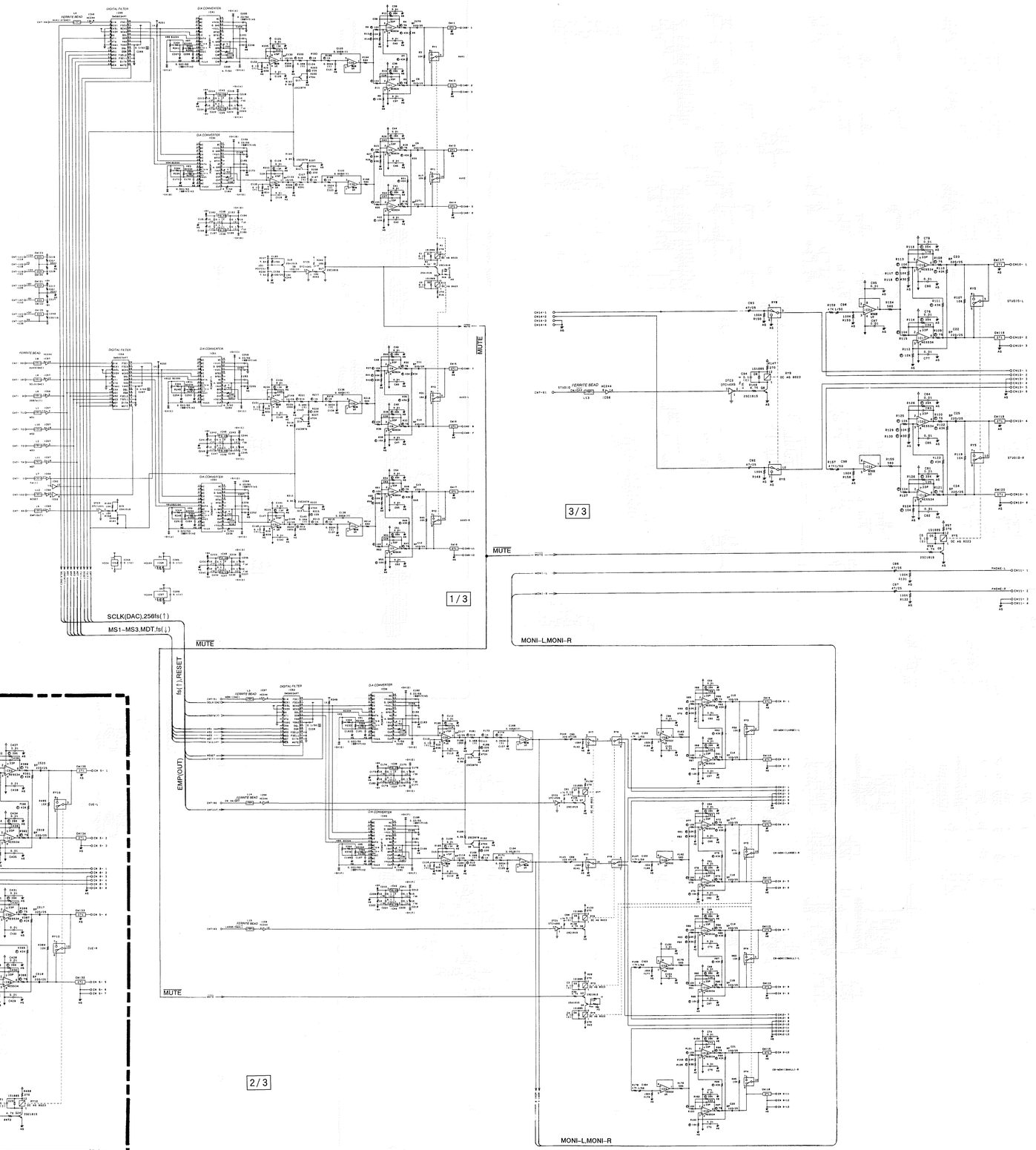
DMC1000

■ANA 1/2, 2/2 CIRCUIT DIAGRAM (Version B)

● ANA1/2 CIRCUIT DIAGRAM (Version B)

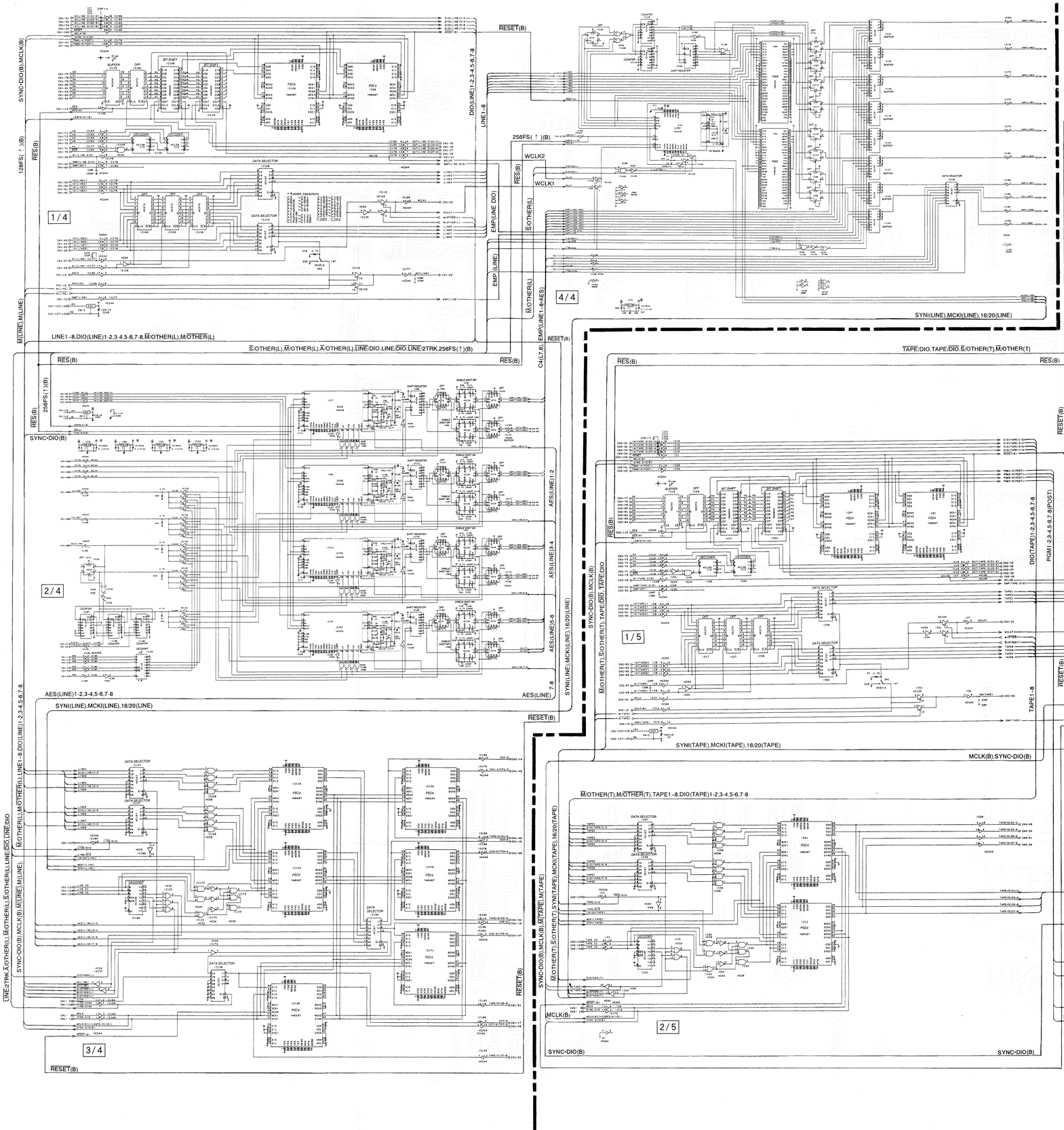


● ANA2/2 CIRCUIT DIAGRAM (Version B)



■CIN 1/2, 2/2 CIRCUIT DIAGRAM

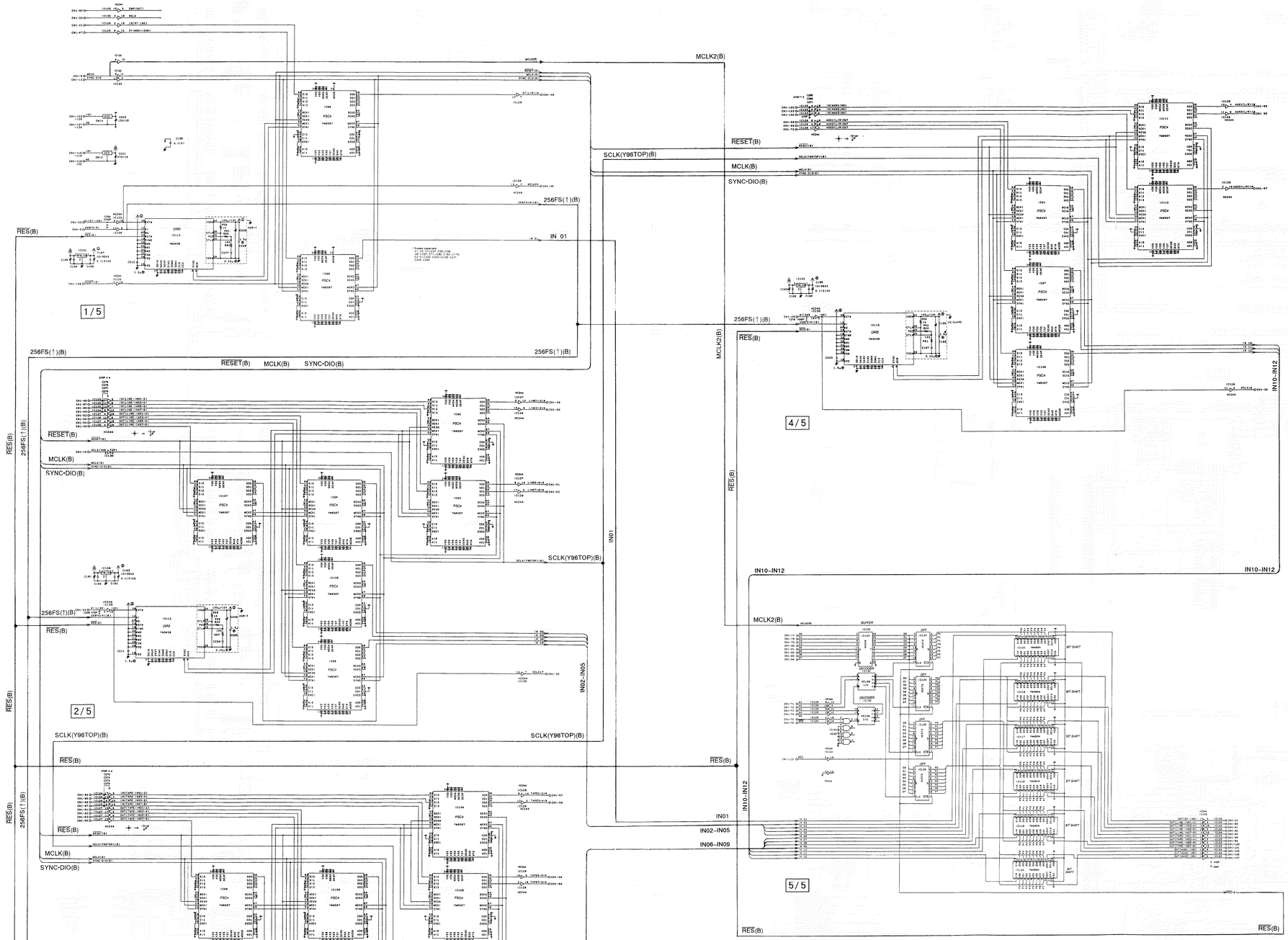
● CIN1/2 CIRCUIT DIAGRAM



● CIN2/2 CIRCUIT DIAGRAM

DMC1000

■IN 1/2 CIRCUIT DIAGRAM



■IN 2/2 CIRCUIT DIAGRAM

1/6

2/6

3/6

4/6

5/6

6/6

2TRK•Y2

RES(B),256FS(↑)(B),SYNC•DIO(B)

256FS(↑)(B)

RES(B)

SYNC•DIO(B)

MCLK(B)

RESET(B)

2TRK•SONY

EMP(SONY•L)

EMP(SONY•R)

2TRK•AES

BLK(AES)

C(AES)

U(AES)

2TRK•CD1

BLK(CD1)

C(CD1)

U(CD1)

1/4LR(↓)(AES)

2LR(↓)(CD1)

EMP(CD1•L)

EMP(CD1•R)

EMP(AES•L)

EMP(AES•R)

2TRK•CD2

BLK(CD2)

C(CD2)

U(CD2)

1/4LR(↓)(CD2)

2LR(↓)(CD2)

EMP(CD2•L)

EMP(CD2•R)

2TRK.Y2

2TRK•SONY.EMP(SONY•L),EMP(SONY•R)

2TRK•AES.CD2.CD1

BLK(AES),(CD1),(CD2)

C(AES),(CD1),(CD2)

U(AES),(CD1),(CD2)

1/4LR(↓)(AES),(↓)(CD1),(↓)(CD2)

2LR(↓)(AES),(↓)(CD1),(↓)(CD2)

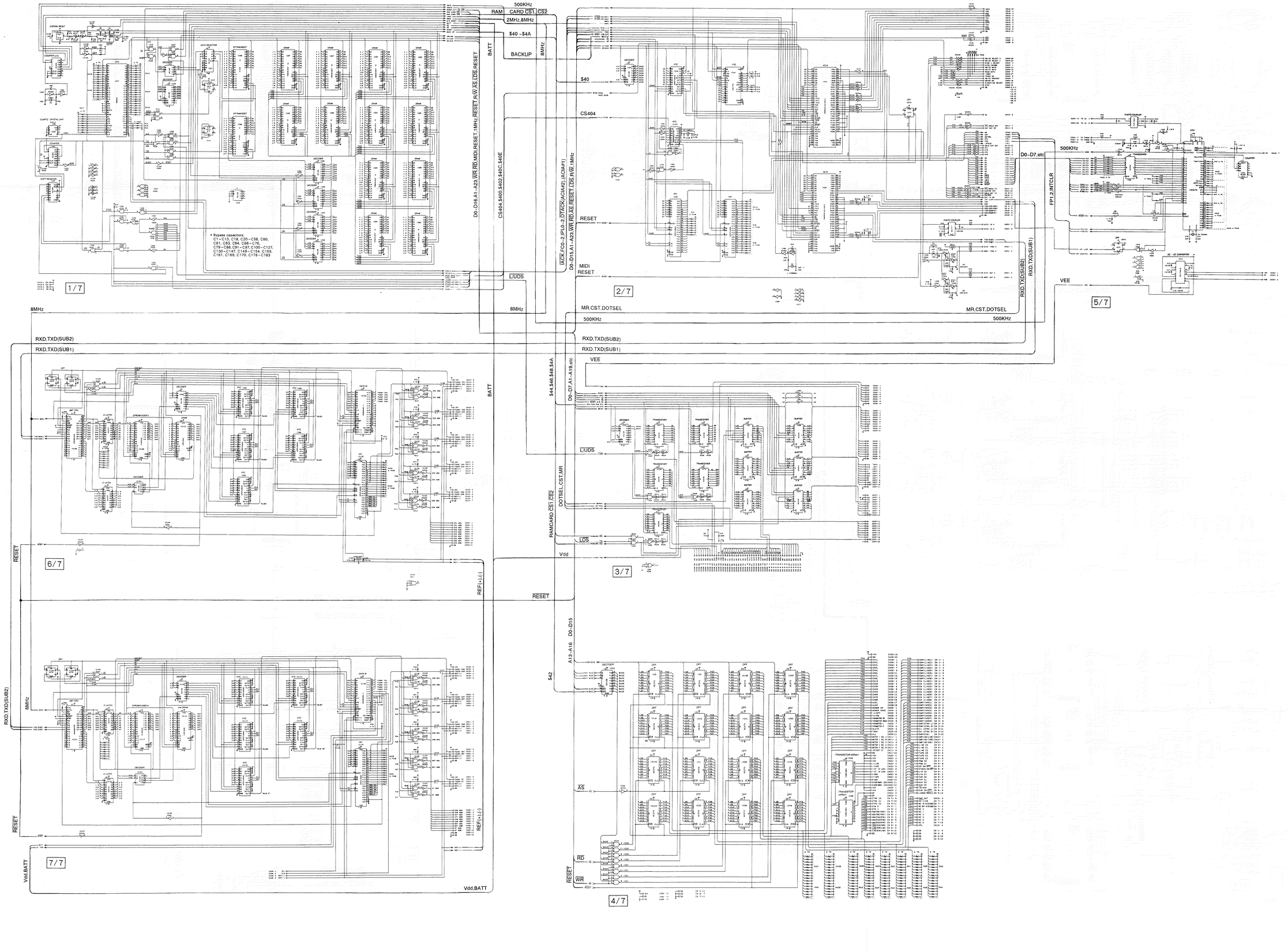
EMP(AES•L),(CD1•L),(CD2•L)

EMP(AES•R),(CD1•R),(CD2•R)

■OUT 2/2 CIRCUIT DIAGRAM

DMC1000

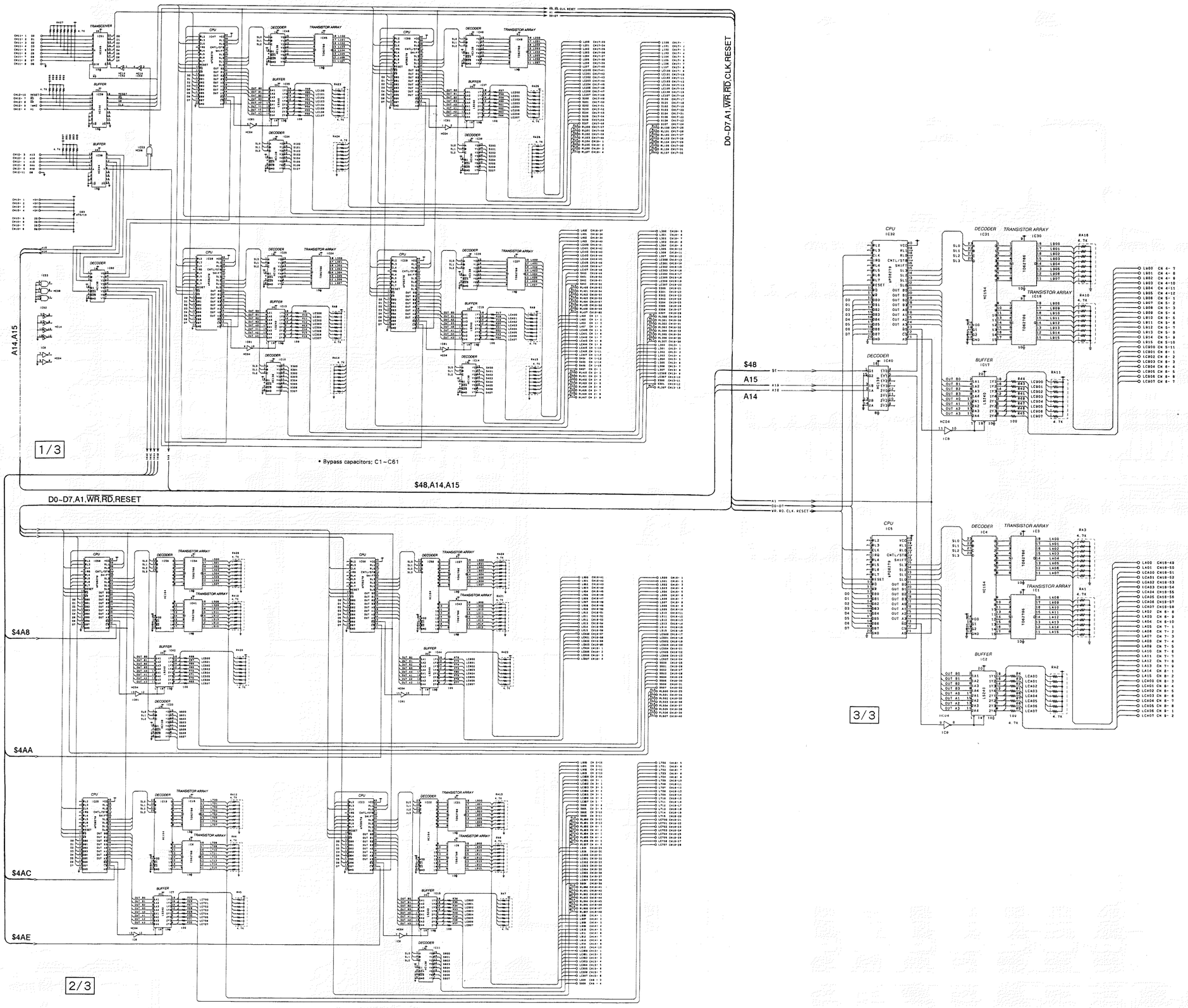
■CPU CIRCUIT DIAGRAM



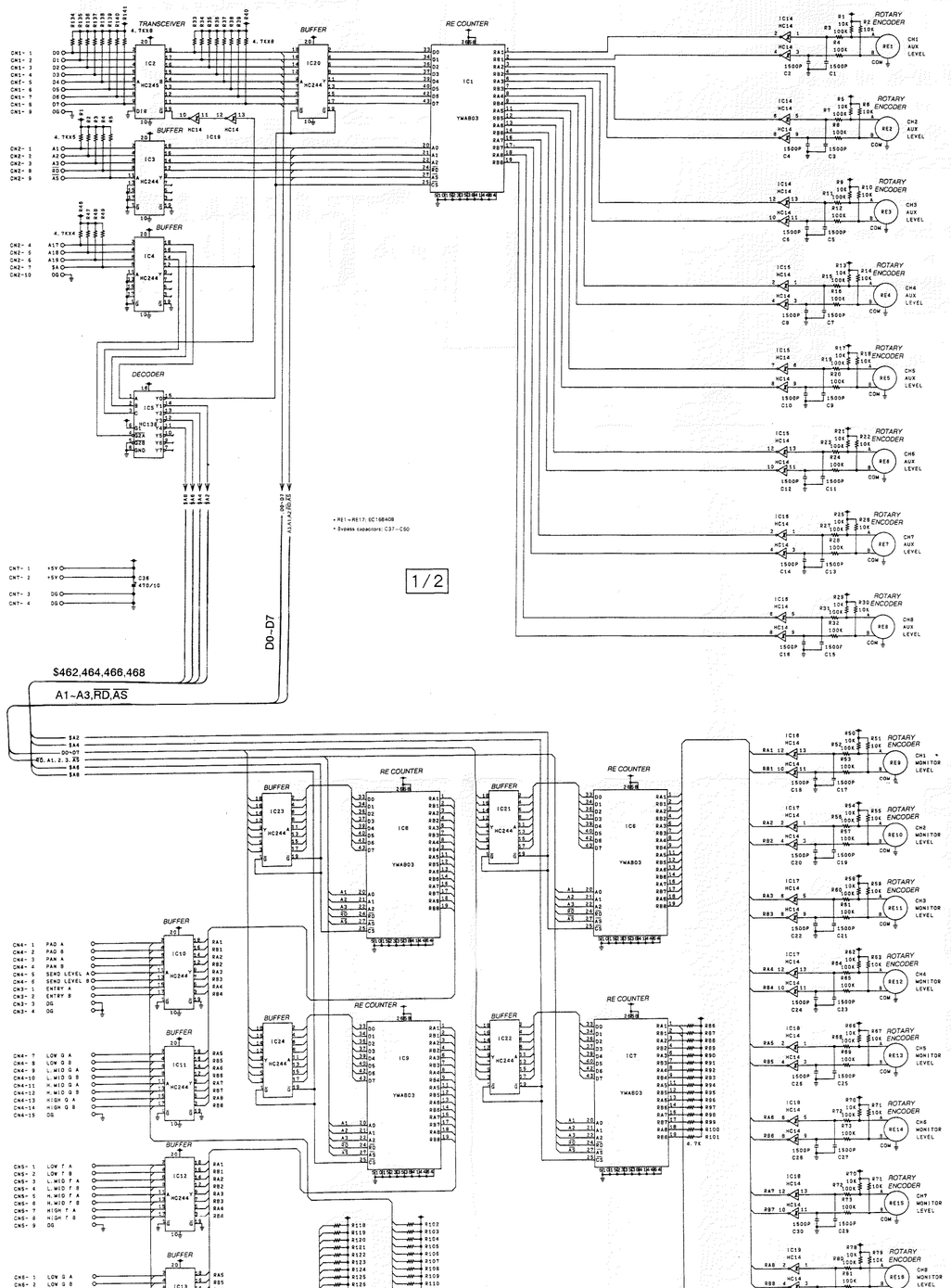
DMC1000

■DSP CIRCUIT DIAGRAM

● PND CIRCUIT DIAGRAM



● REL CIRCUIT DIAGRAM



● PMD CIRCUIT DIAGRAM