SONY

HD DIGITAL VIDEO SWITCHER

HDS-7000

POWER SUPPLY UNIT

HKDS-7690/7690A

SWITCHER CONTROL PANEL

BKDS-7011/7012/7025/7026

HKDS-7031

HKDS-7041

HZS-7010

HZS-7020

BKDS-7001

BKDS-7030

BKDS-7031

BKDS-7033

BKDS-7075

BKDS-7090

MAINTENANCE MANUAL Part 2

Volume 2 1st Edition

⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

設置や保守，点検，修理などを行う前に，別冊のメンテナンスマニュアルPart 1の「安全のために」と別冊のオペレーションマニュアルの「安全のために」を必ずお読みください。

⚠ WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠ WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠ AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres. Pour toute réparation faire appel à une personne compétente uniquement.

HDS-7000	Serial No. 10001 and Higher
HKDS-7690	Serial No. 10001 and Higher
HKDS-7690A	Serial No. 10001 and Higher
BKDS-7011	Serial No. 10001 and Higher
BKDS-7012	Serial No. 10001 and Higher
BKDS-7025	Serial No. 10001 and Higher
BKDS-7026	Serial No. 10001 and Higher
HKDS-7031	Serial No. 10001 and Higher
HKDS-7041	Serial No. 10001 and Higher
HZS-7010	Software Version 1.00 and Later
HZS-7020	Software Version 1.00 and Later
BKDS-7001	Serial No. 10001 and Higher
BKDS-7030	Serial No. 10001 and Higher
BKDS-7031	Serial No. 10001 and Higher
BKDS-7033	Serial No. 10001 and Higher
BKDS-7075	Serial No. 10001 and Higher
BKDS-7090	Serial No. 10001 and Higher

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このマニュアルについて
Manual Structure

本書の目的

本書は, HDデジタルビデオスイッチャーHDS-7000のメンテナンスマニュアルパート 2 Volume 2 です。

メンテナンスマニュアルパート2は, サービスエンジニアの方々にご使用いただくことを想定し, 本システムの部品レベルまでのサービスを前提とした情報 (ブロック図，補修用部品，部品交換要項，半導体ピンアサイン，マウント図，回路図等) を記載しています。

本書 (Volume 2) では，回路図を記載しています。

構成

メンテナンスマニュアルパート2の構成を把握していただくために，全章の概略を以下に説明します。

メンテナンスマニュアル パート 2 Volume 1
第 1 章　サービスインフォメーション
延長基板の使用方法，コネクタ，電源部の交換を記載しています。
第 2 章　Semiconductor Pin Assignments
半導体のピンアサインを記載しています。
第 3 章　Spare Parts
補修用部品を記載しています。
第 4 章　Location of Mounted Circuit Boards
基板配置図を記載しています。
第 5 章　Block Diagrams
オーバーオールブロック図と基板のブロック図をアルファベット順で記載しています。
第 6 章　Board Layouts
基板のマウント図をアルファベット順で記載しています。

メンテナンスマニュアル　パート 2 Volume 2
(本書)
Schematic Diagrams
基板回路図をアルファベット順で記載しています。

Purpose of this manual

This manual is the maintenance manual part 2 volume 2 of HD Digital Video Switcher HDS-7000.

The maintenance manual part 2 is intended for use by trained service engineers, and describes the information for detailed service information with the intention of servicing including block diagrams, detailed spare parts list, parts replacement, semicoductor pin assignments, board layouts, schematic diagrams.

This manual (volume 2) describes schematic diagrams.

Contents

The maintenance manual part 2 is organized by following sections.

Maintenance Manual Part 2 Volume 1
Section 1　Service Overview
This section describes the use of extension board, and replacement of connectors and power supply block.
Section 2　Semiconductor Pin Assignments
This section describes the semiconductor pin assignments.
Section 3　Spare Parts
This section describes detailed spare parts list.
Section 4　Location of Mounted Circuit Boards
This section describes the location of mounted circuit boards.
Section 5　Block Diagrams
This section describes the overall block diagrams and block diagrams in the alphabetical order.
Section 6　Board Layouts
This section describes the board layouts of mounted circuit boards in the alphabetical order.

Maintenance Manual Part 2 Volume 2
(This manual)
Schematic Diagrams
This section describes the schematic diagrams of the mounted circuit boards in the alphabetical order.

関連マニュアル

本システムには，この「メンテナンスマニュアル パート2」のほかに，下記のマニュアルが用意されています。

・ユーザーズガイド（HZS−7010 に付属）
本システムを実際に運用および操作するのに必要なマニュアルです。
部品番号：3−862−187−XX

・オペレーションマニュアル（本機に付属）
本システムの概要，システム構成例，仕様について記載したマニュアルです。
部品番号：3−862−468−XX

・インストレーションマニュアル（本機に付属）
本システムの納入設置時に必要な情報を記載したマニュアルです。
部品番号：3−194−862−XX

・メンテナンスマニュアル　パート 1
（本機に付属）
本システムの保守に関する情報，主なブロックおよび基板交換によるサービスを前提とした情報を記載したマニュアルです。
部品番号：3−194−861−XX

Related manuals

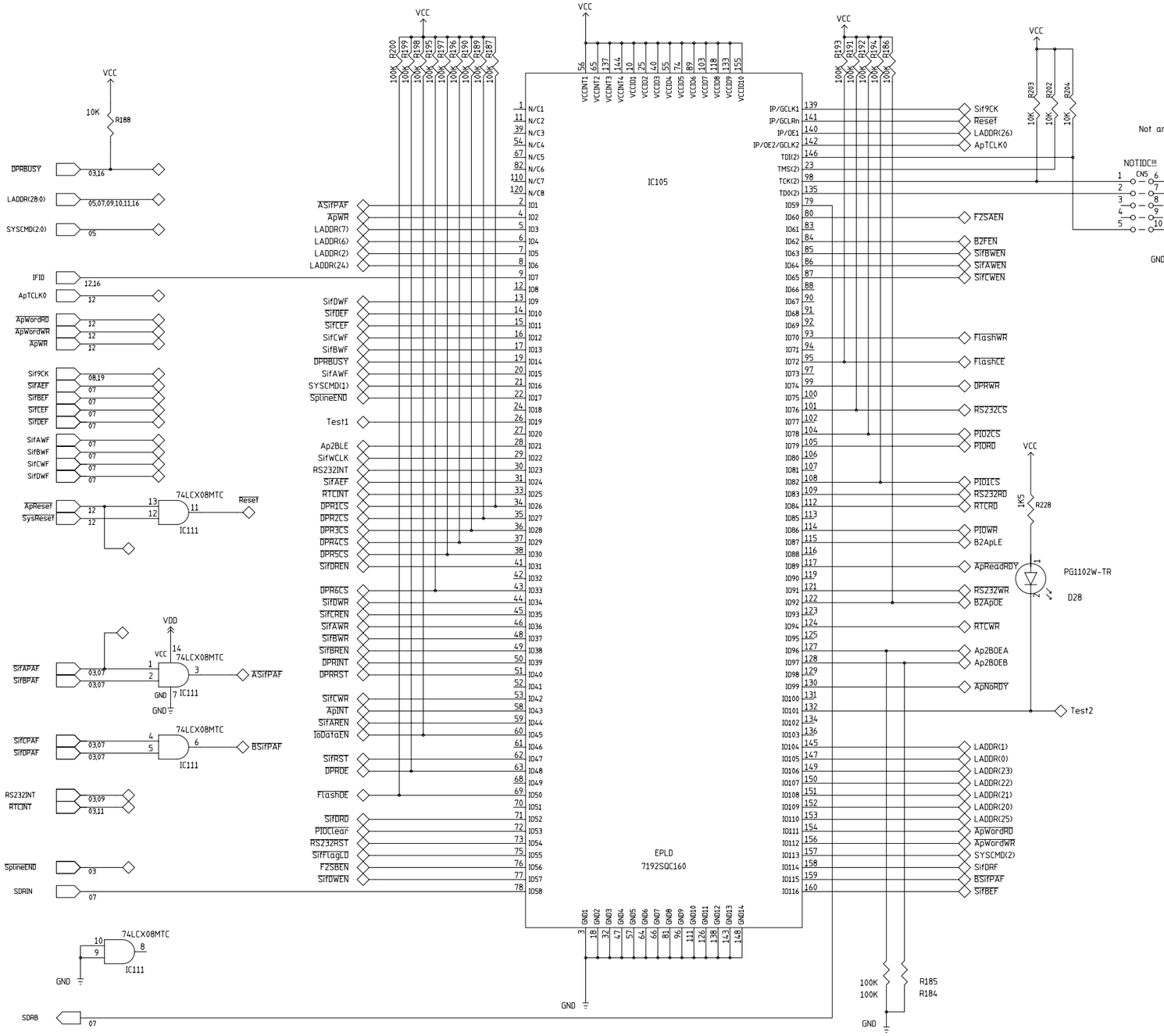
The following manuals are prepared for HDS-7000.

・**User’s Guide(Supplied with HZS-7020)**
This manual describes the application and operation of HDS-7000.

・**Operation Manual(Supplied with HDS-7000)**
This manual describes the overview, system configuration examples and specifications.
Part number : 3-862-468-XX

・**Installation Manual(Supplied with HDS-7000)**
This manual describes the information when installing HDS-7000.
Part number : 3-194-862-XX

・**Maintenance Manual Part 1**
(Supplied with HDS-7000)
This manuals describe the information for the periodic maintenance, and the information for the service with predicated on the replacement of the principal blocks and mounted circuit boards.
Part number : 3-194-861-XX



2x16 row pin header - 0.1" pitch

CON32
DIP2
NON_JIC

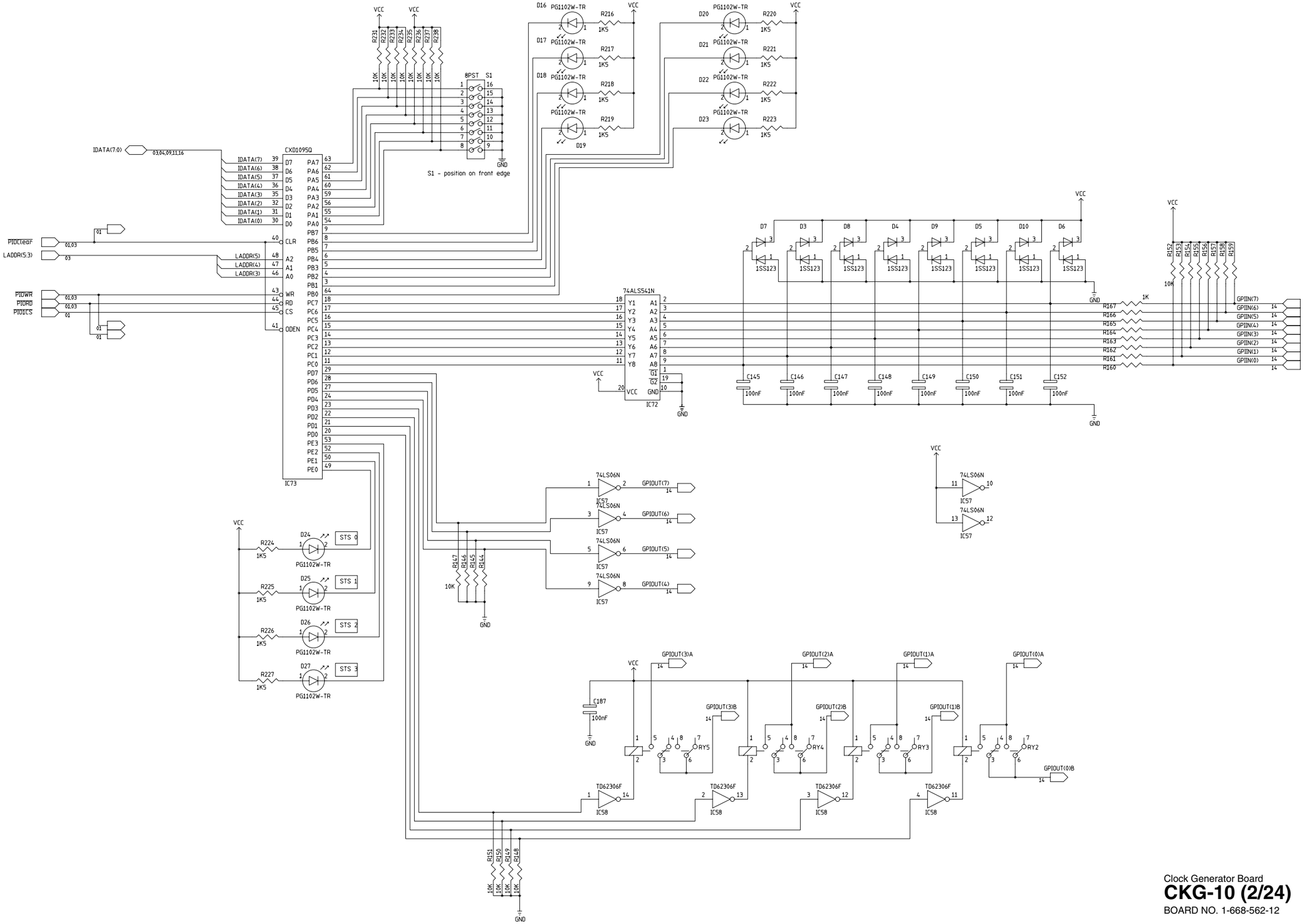
ApTCLK0	1	2	ApWordRD
ApWordWR	3	4	ApWR
ApReset	5	6	SifAEF
SifAWF	7	8	SifDRF
SifAPAF	9	10	SifAREN
SifAWR	11	12	SifAWEN
SifWCLK	13	14	SifDRD
Test1	15	16	Test2
B2ApLE	17	18	Ap2BLE
Ap2BOEA	19	20	Ap2BOEB
B2ApOE	21	22	ApReadRDY
ApNoRDY	23	24	F2SAEN
F2SBEN	25	26	B2FEN
IoDataEN	27	28	DPRICS
DPROE	29	30	DPRWR
DPRRST	31	32	DPRINT

Clock Generator Board
CKG-10 (1/24)
BOARD NO. 1-668-562-12

HDS-7000

HDS-7000

CKG-10 (2/24)

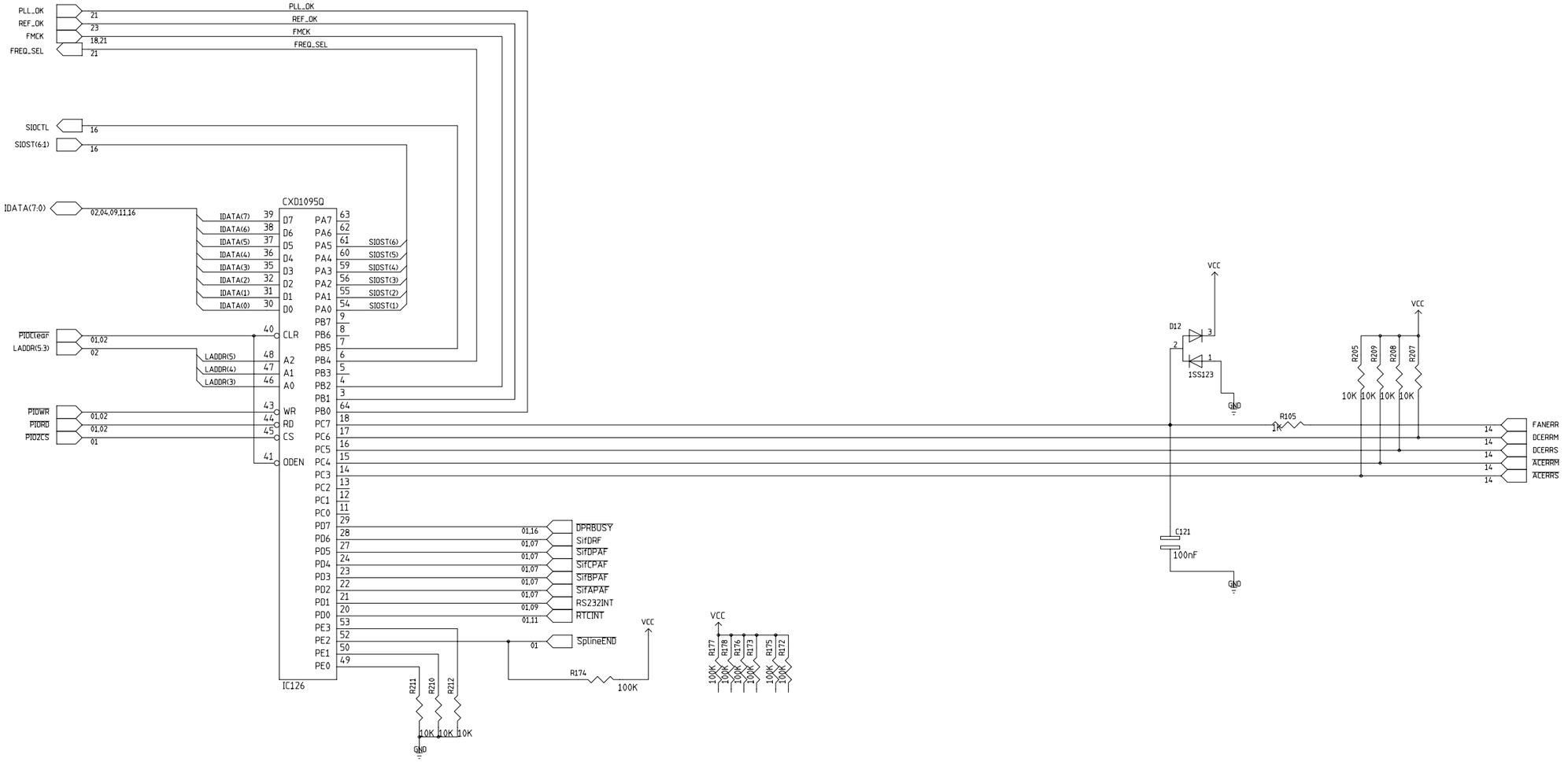


Clock Generator Board
CKG-10 (2/24)
BOARD NO. 1-668-562-12

HDS-7000

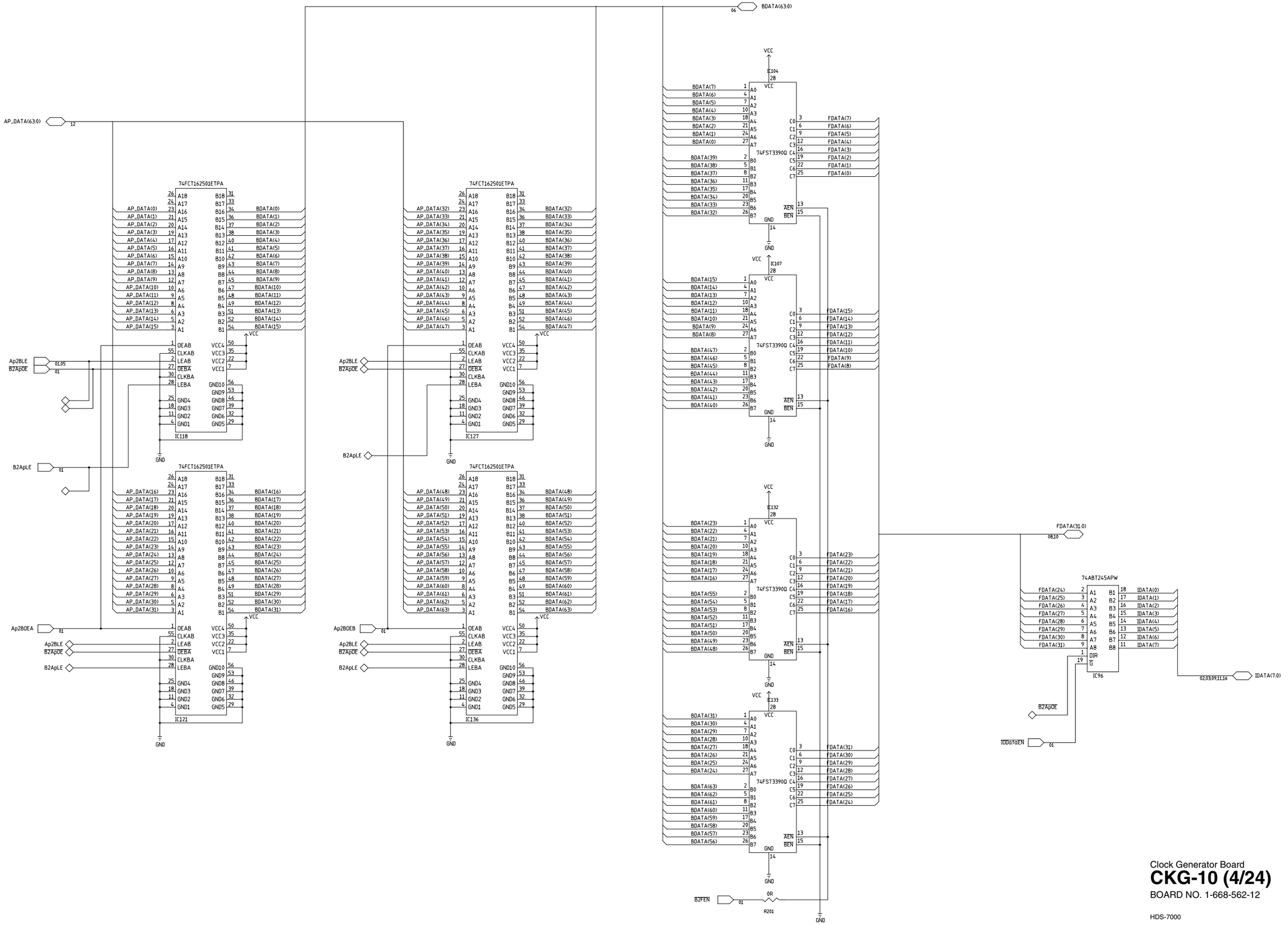
HDS-7000

CKG-10 (3/24)



Clock Generator Board
CKG-10 (3/24)
BOARD NO. 1-668-562-12

HDS-7000



Clock Generator Board

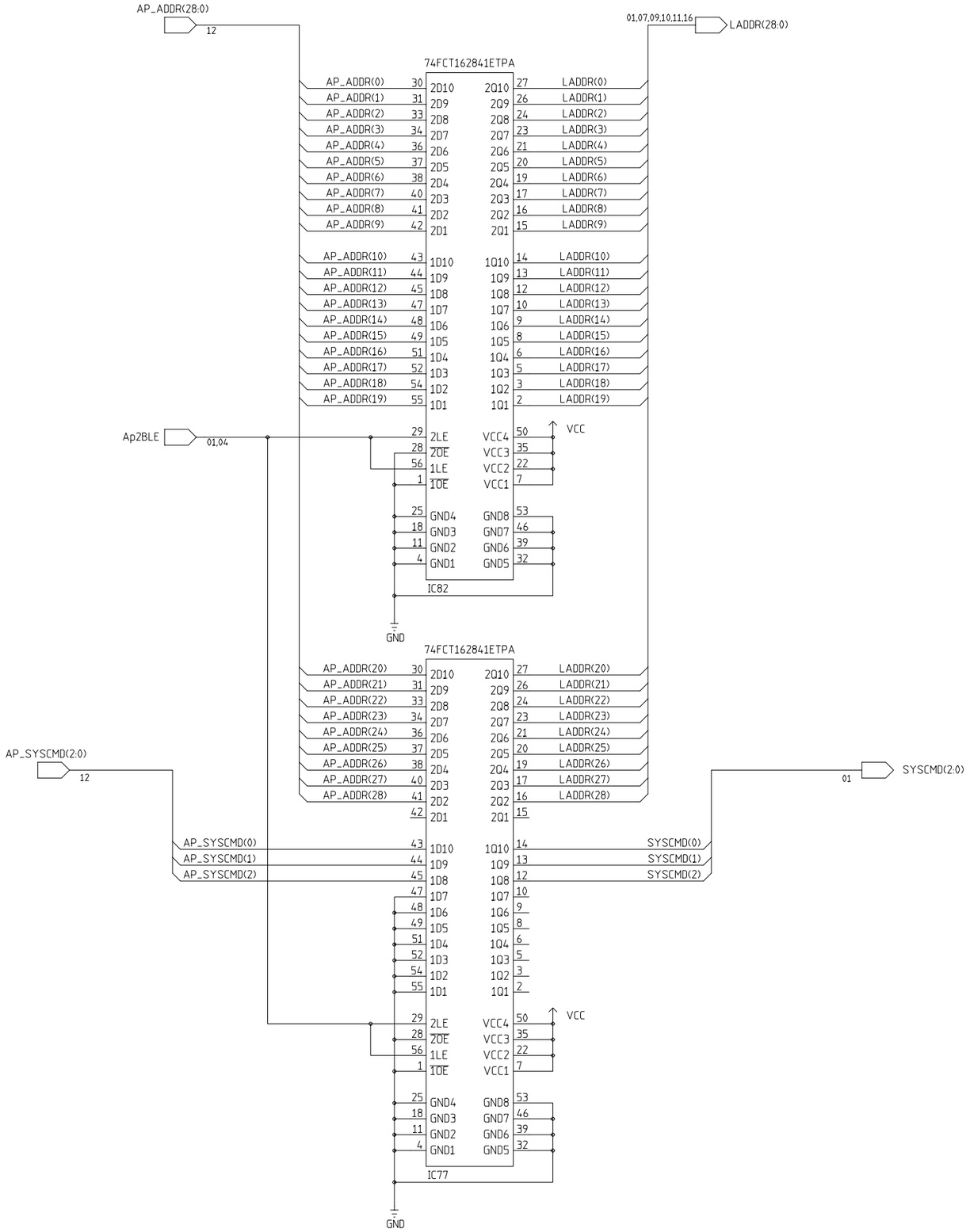
CKG-10 (4/24)

BOARD NO. 1-668-562-12

HDS-7000

HDS-7000

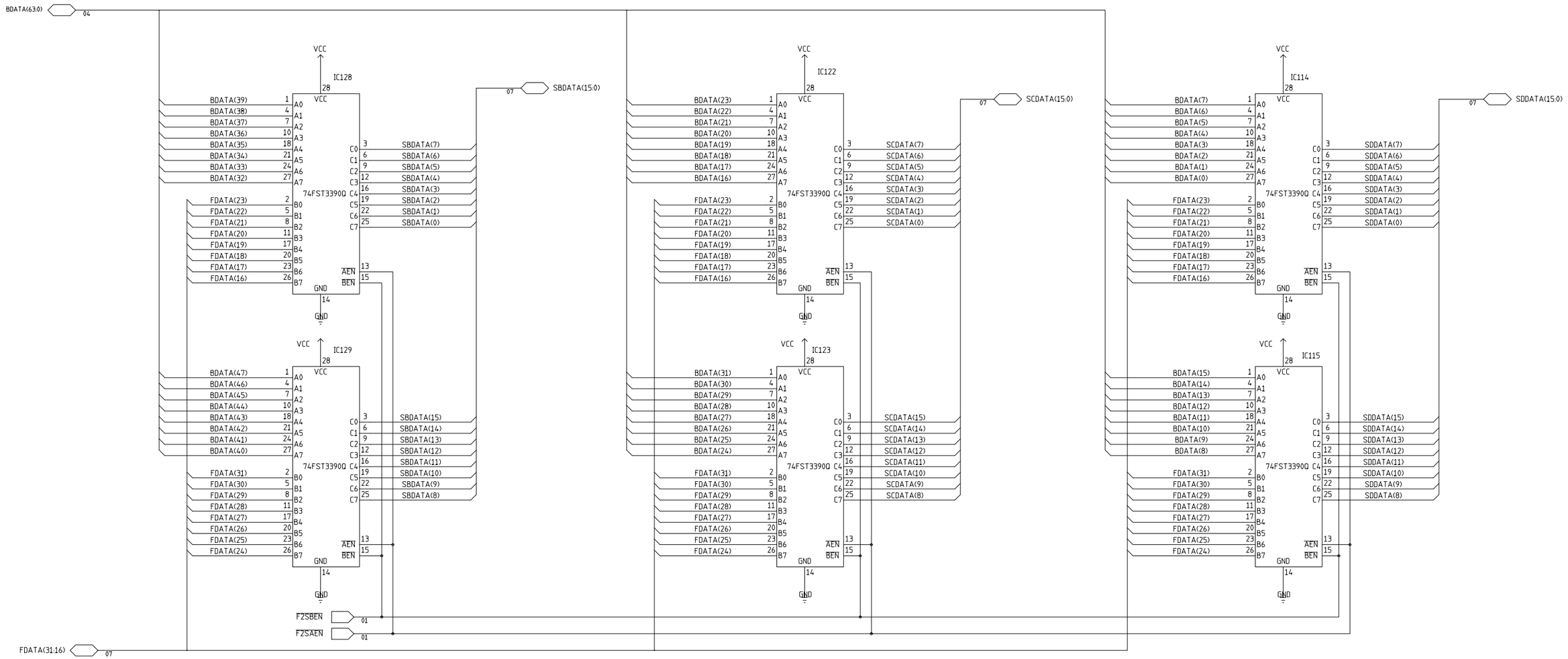
CKG-10 (5/24)



Clock Generator Board
CKG-10 (5/24)
BOARD NO. 1-668-562-12

HDS-7000

CKG-10 (6/24)

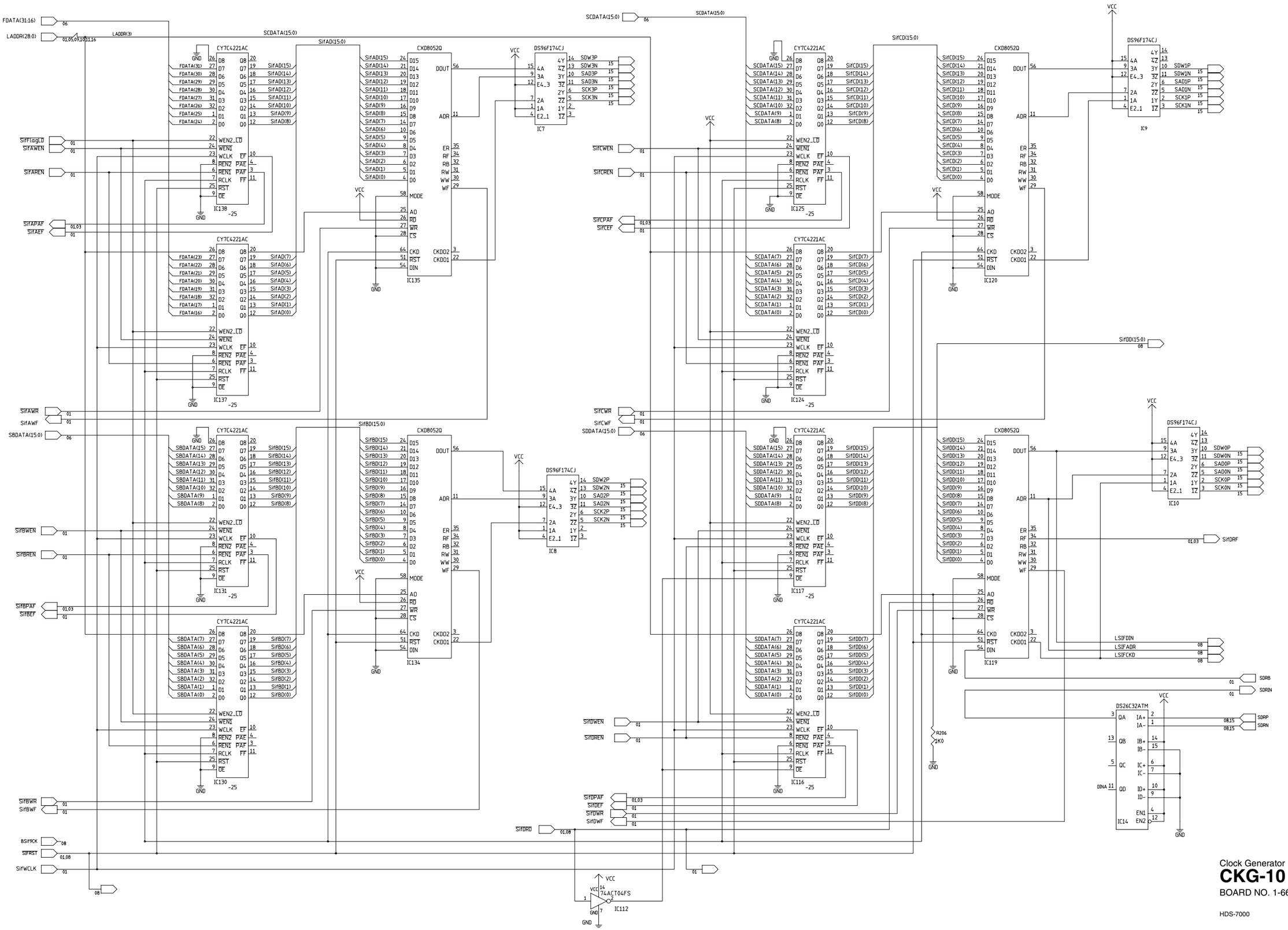


Clock Generator Board
CKG-10 (6/24)
BOARD NO. 1-668-562-12

HDS-7000

HDS-7000

CKG-10 (7/24)

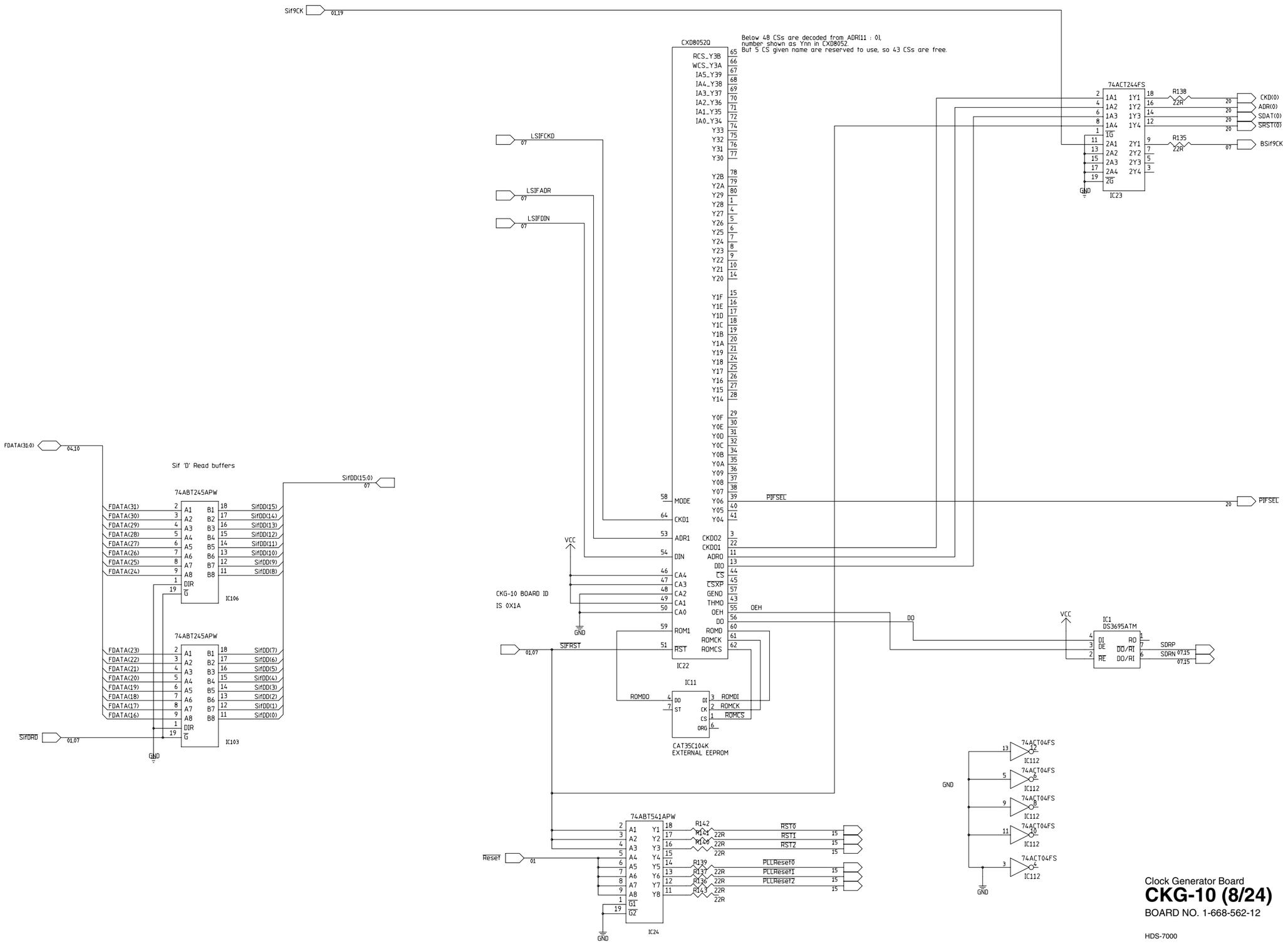


Clock Generator Board
CKG-10 (7/24)
BOARD NO. 1-668-562-12

HDS-7000

7 7

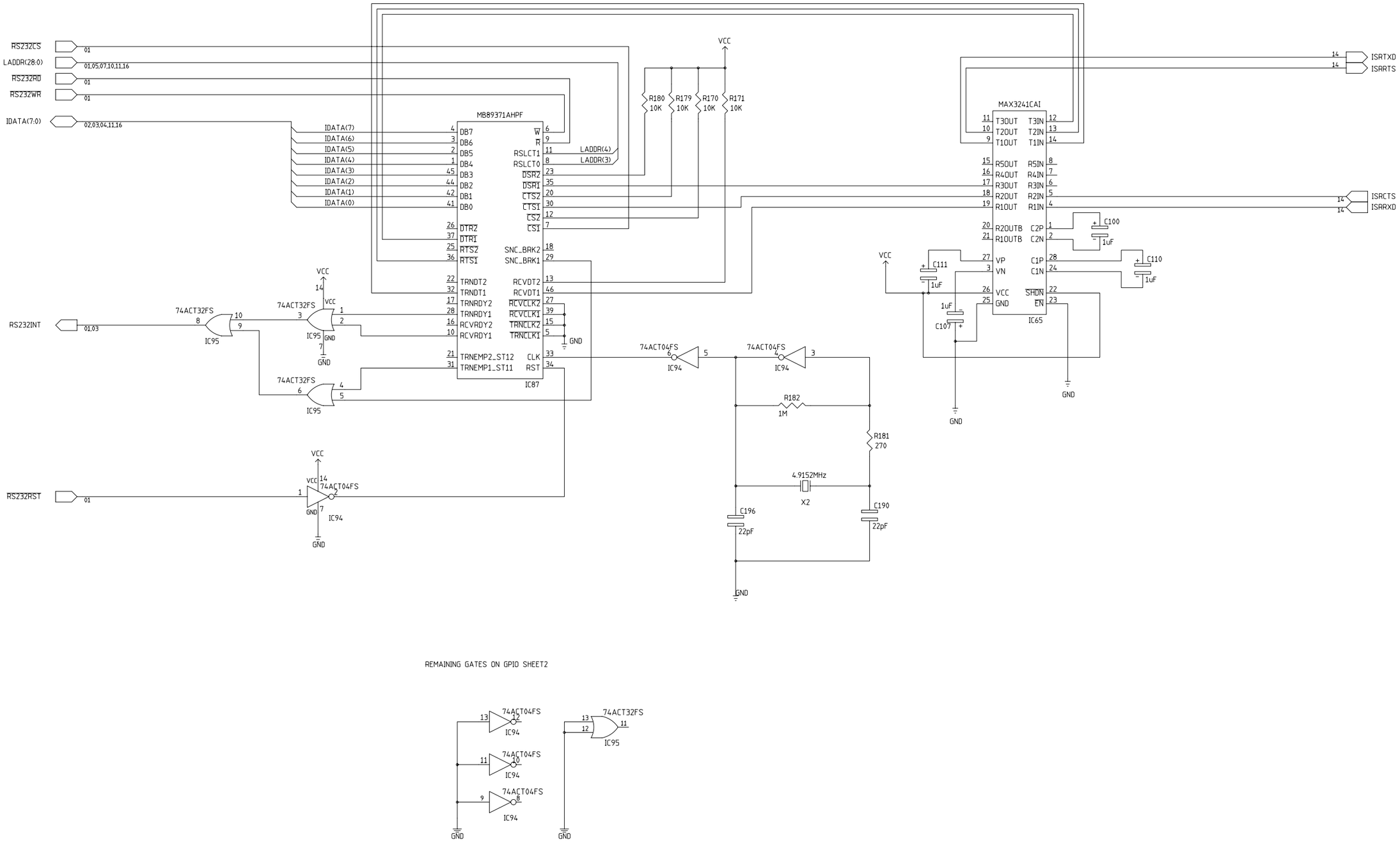
CKG-10 (8/24)



Clock Generator Board
CKG-10 (8/24)
BOARD NO. 1-668-562-12

HDS-7000

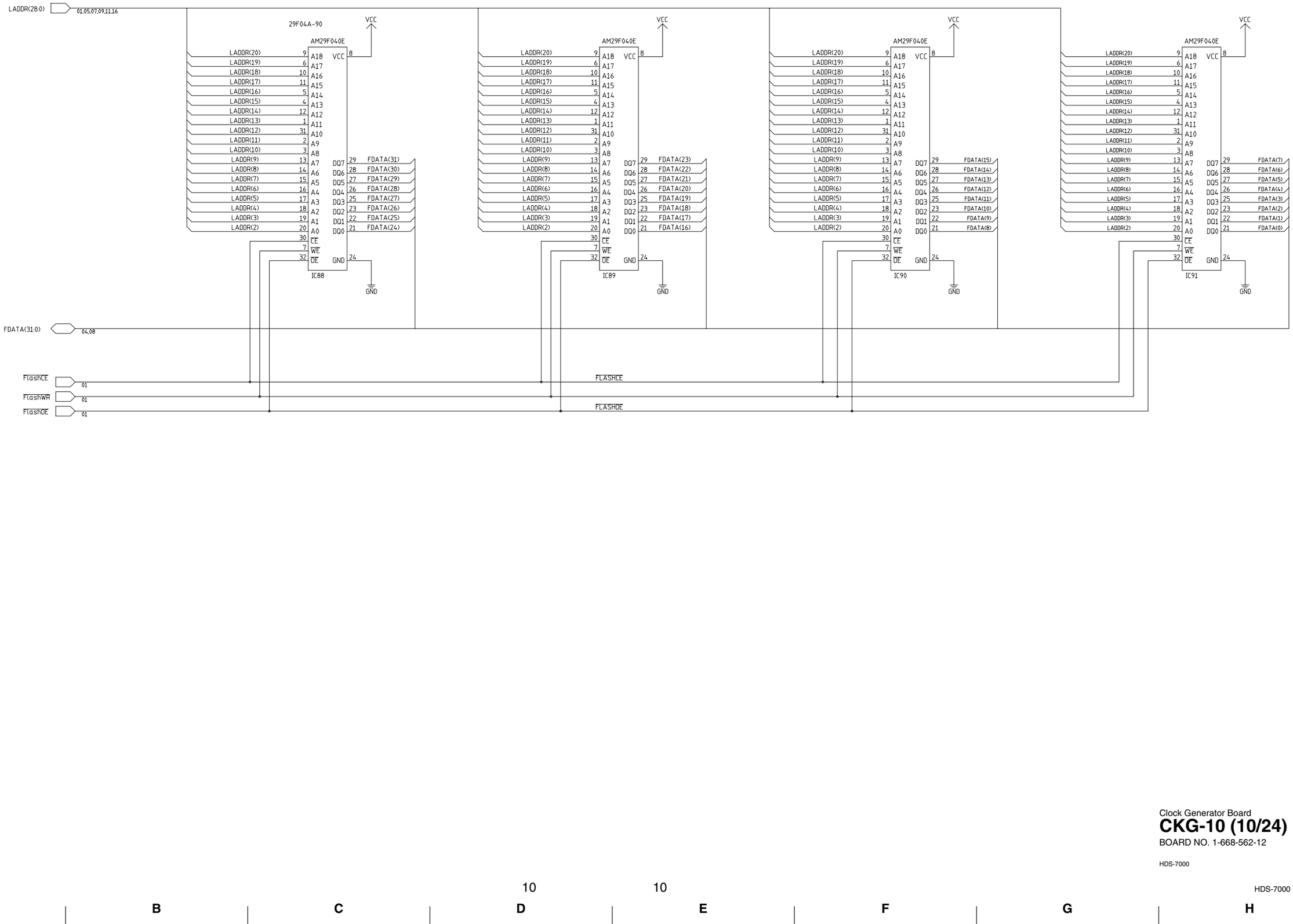
HDS-7000



Clock Generator Board
CKG-10 (9/24)
BOARD NO. 1-668-562-12

HDS-7000

CKG-10 (10/24)



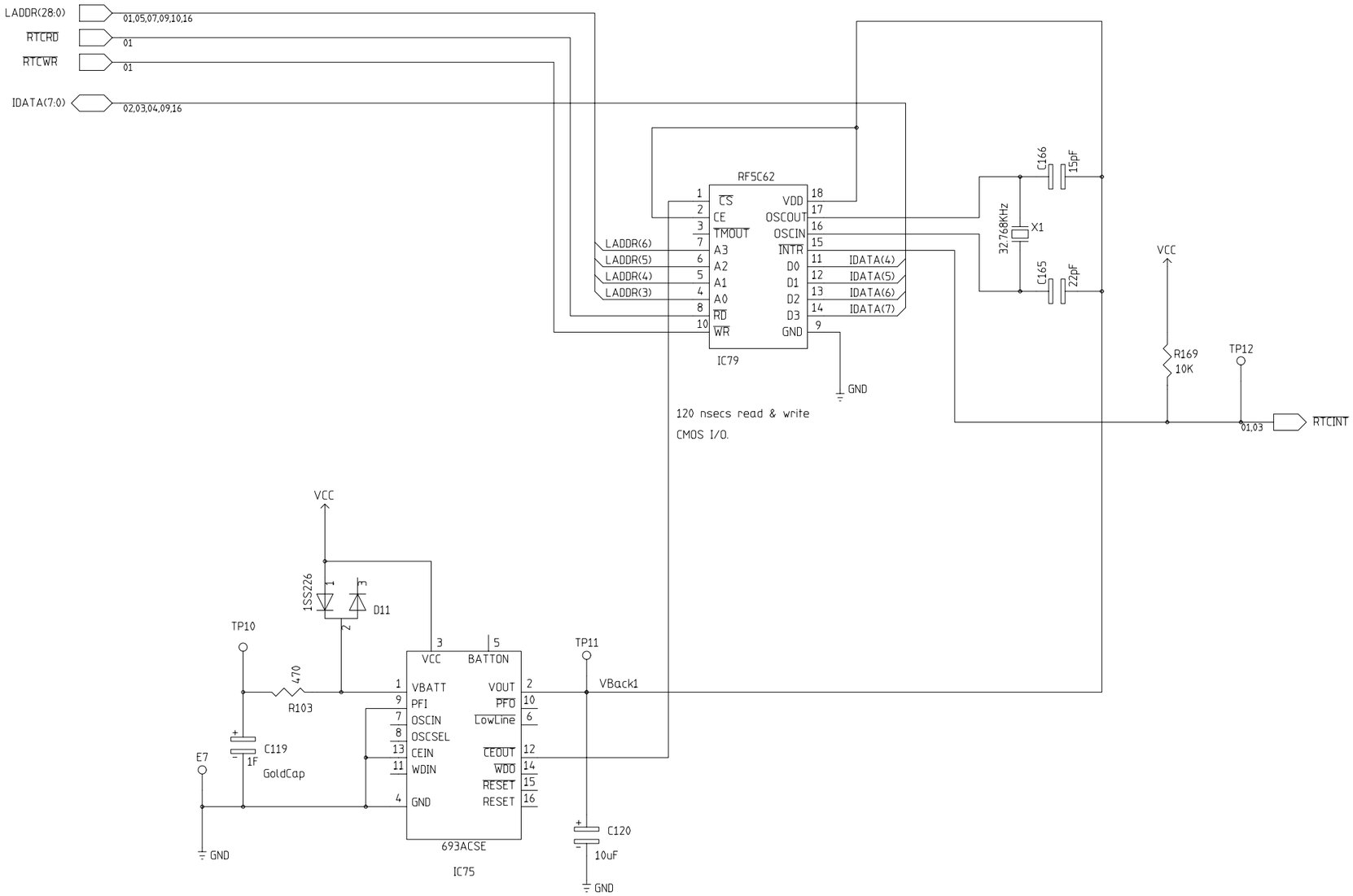
Clock Generator Board
CKG-10 (10/24)
BOARD NO. 1-668-562-12

HDS-7000

10

HDS-7000

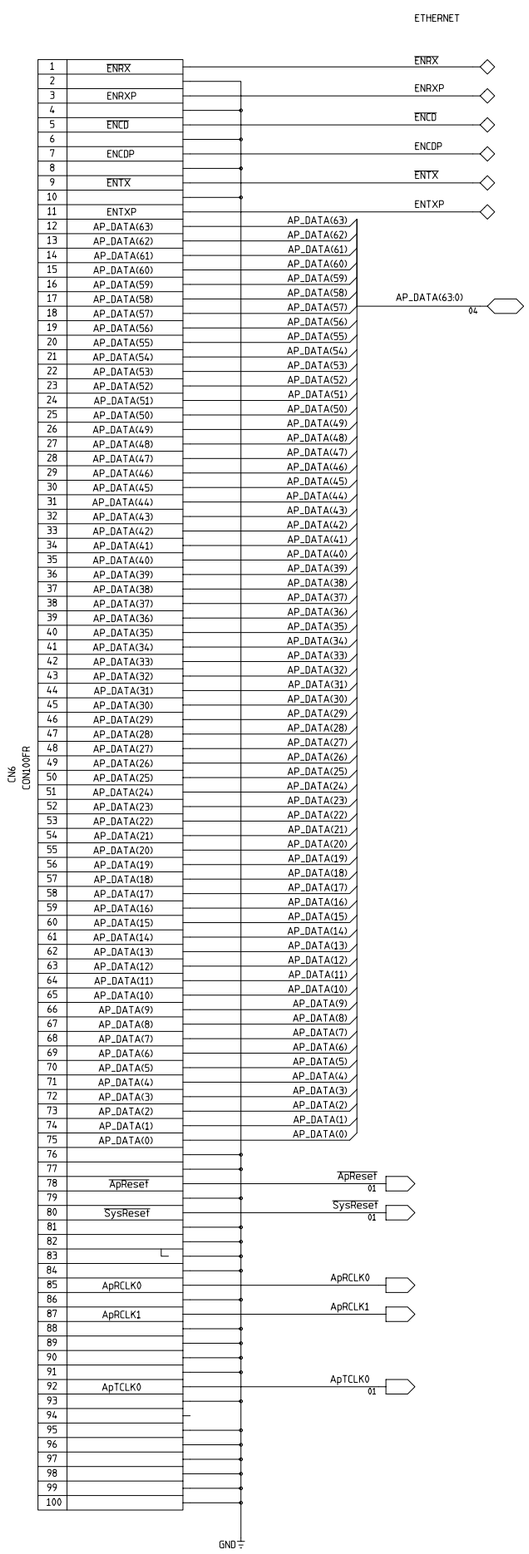
CKG-10 (11/24)

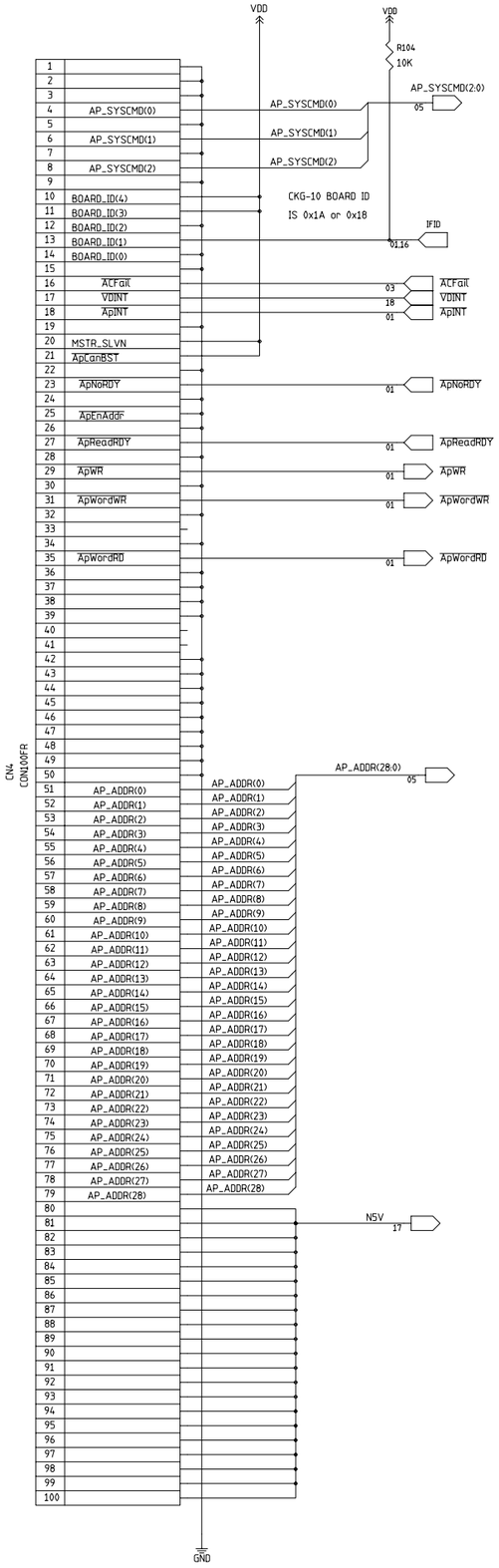


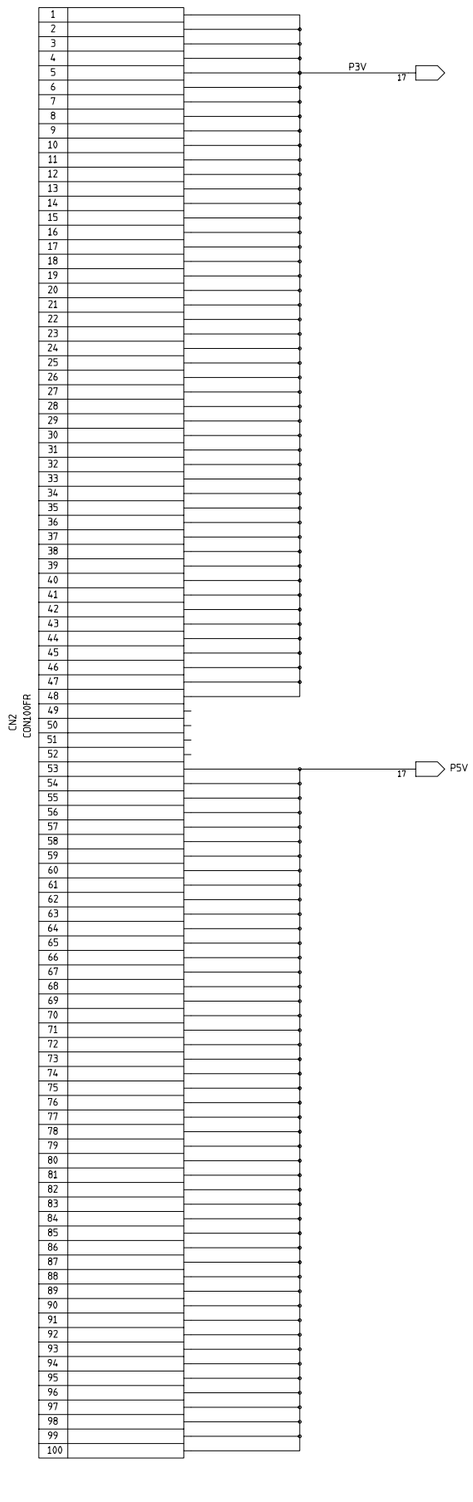
Clock Generator Board
CKG-10 (11/24)
BOARD NO. 1-668-562-12

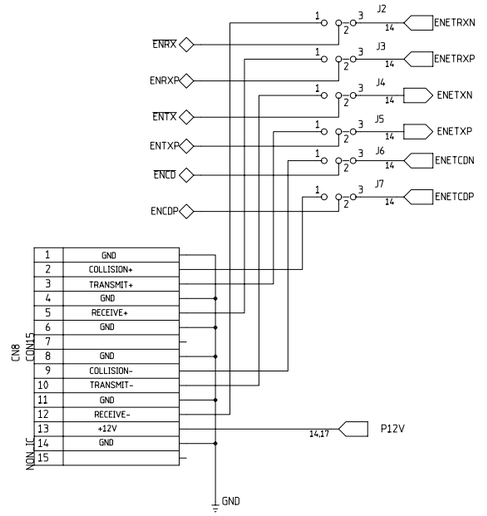
HDS-7000

CKG-10 (12/24)









15 way D Type Socket - right angled

Clock Generator Board

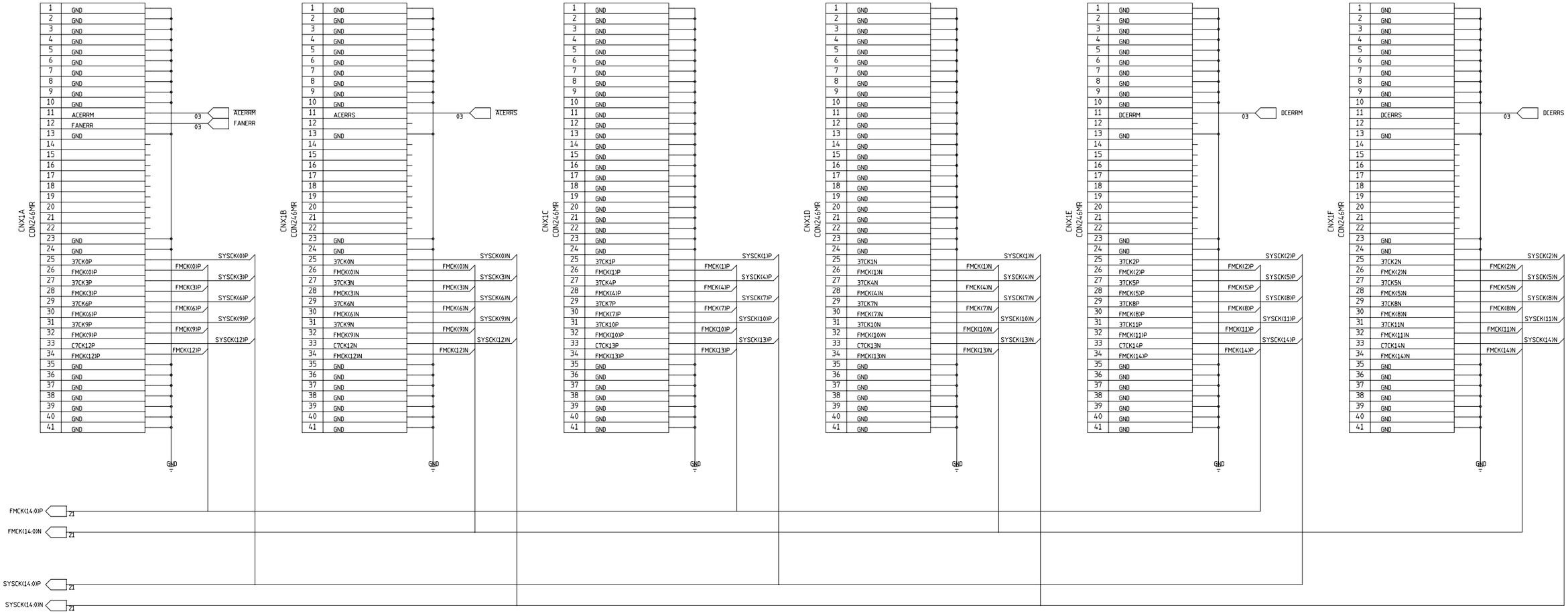
CKG-10 (12/24)

BOARD NO. 1-668-562-12

HDS-7000

HDS-7000

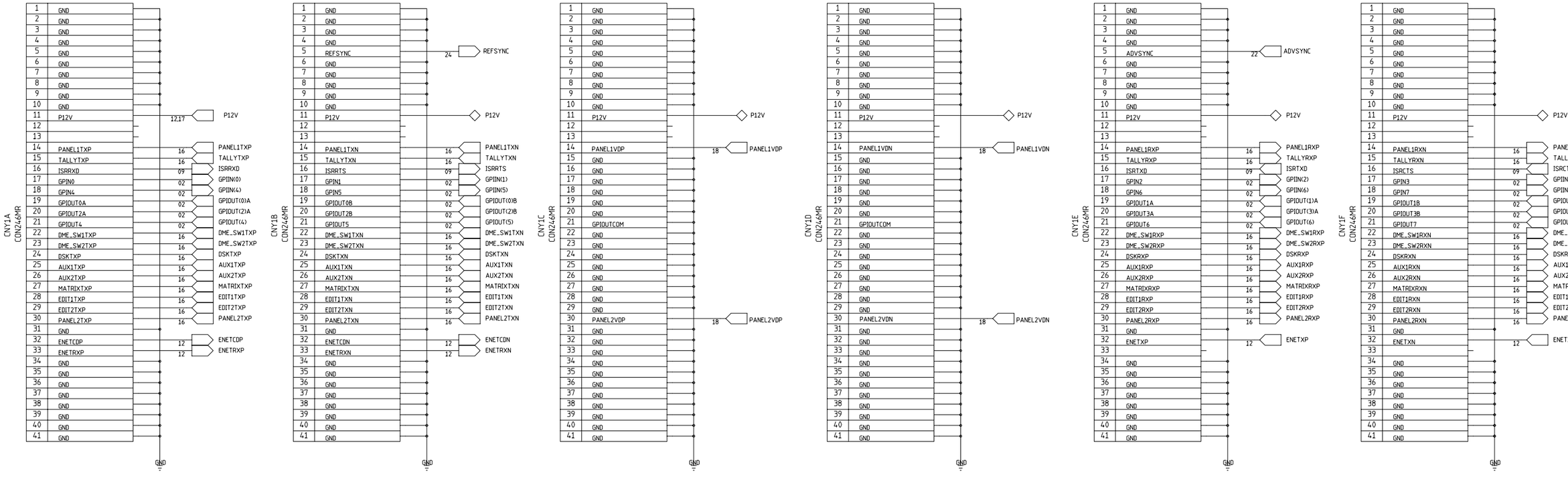
CKG-10 (13/24)



Clock Generator Board
CKG-10 (13/24)
BOARD NO. 1-668-562-12

HDS-7000

CKG-10 (14/24)

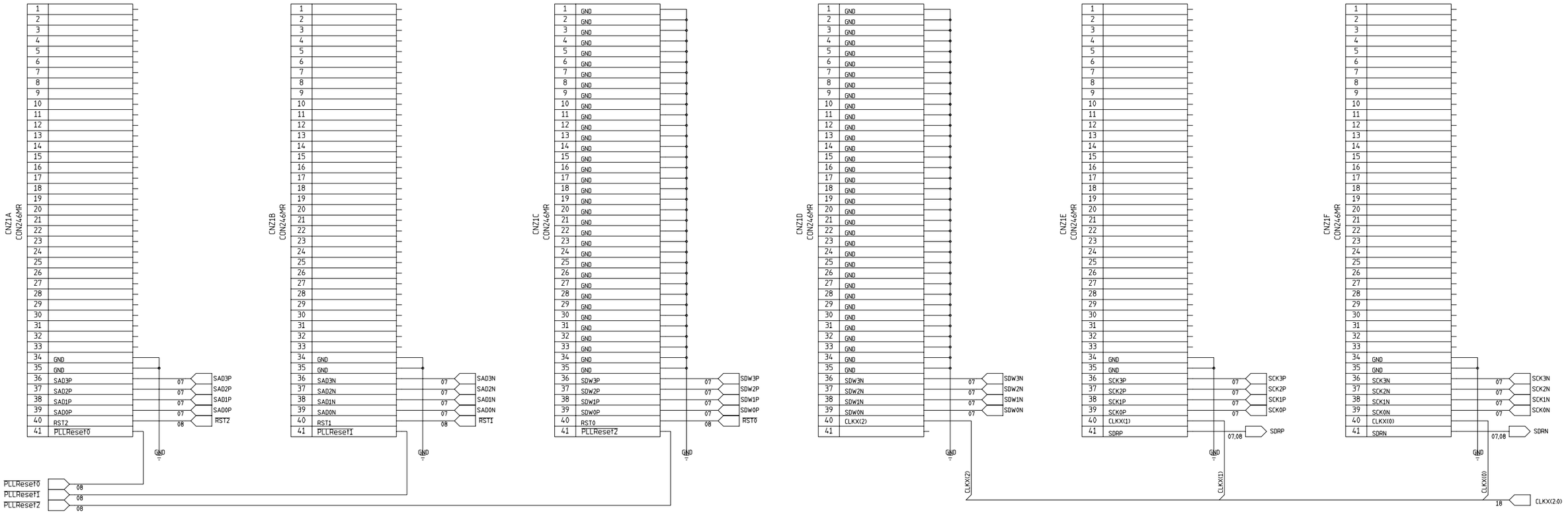


Clock Generator Board
CKG-10 (14/24)
BOARD NO. 1-668-562-12

HDS-7000

HDS-7000

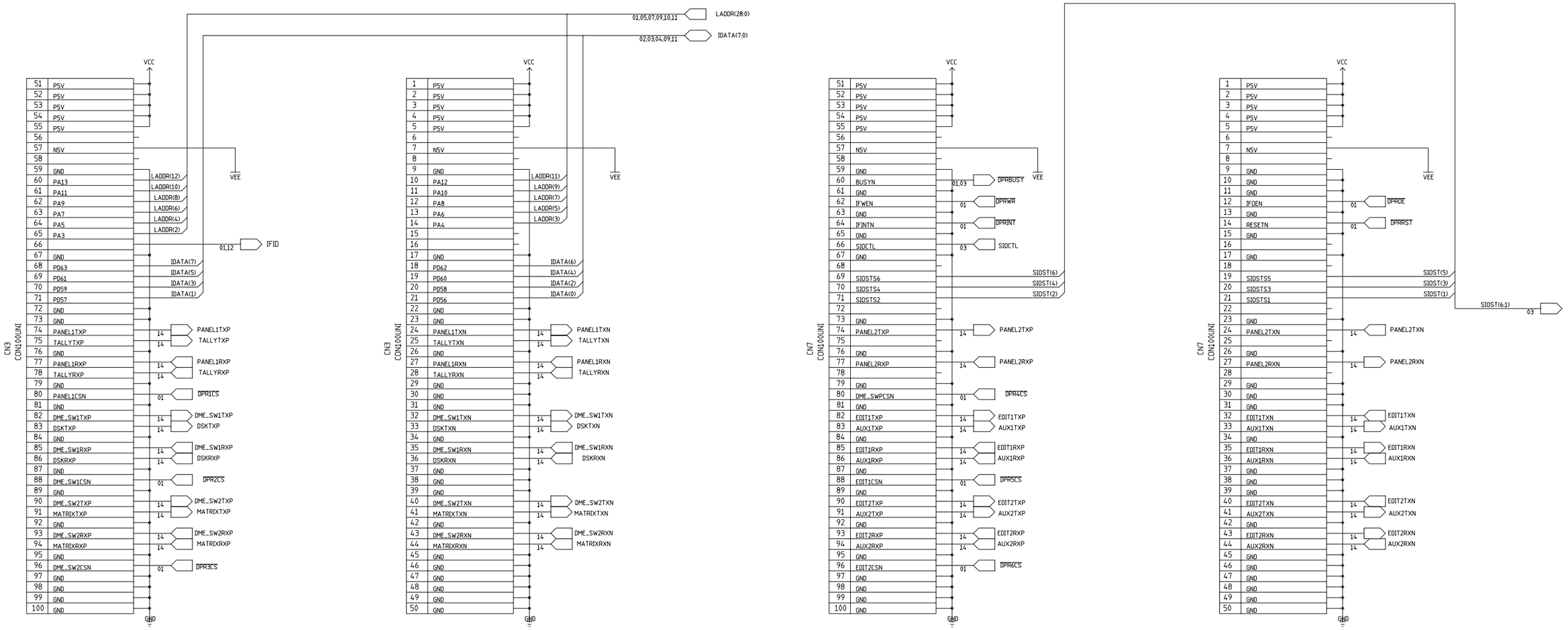
CKG-10 (15/24)



Clock Generator Board
CKG-10 (15/24)
BOARD NO. 1-668-562-12

HDS-7000

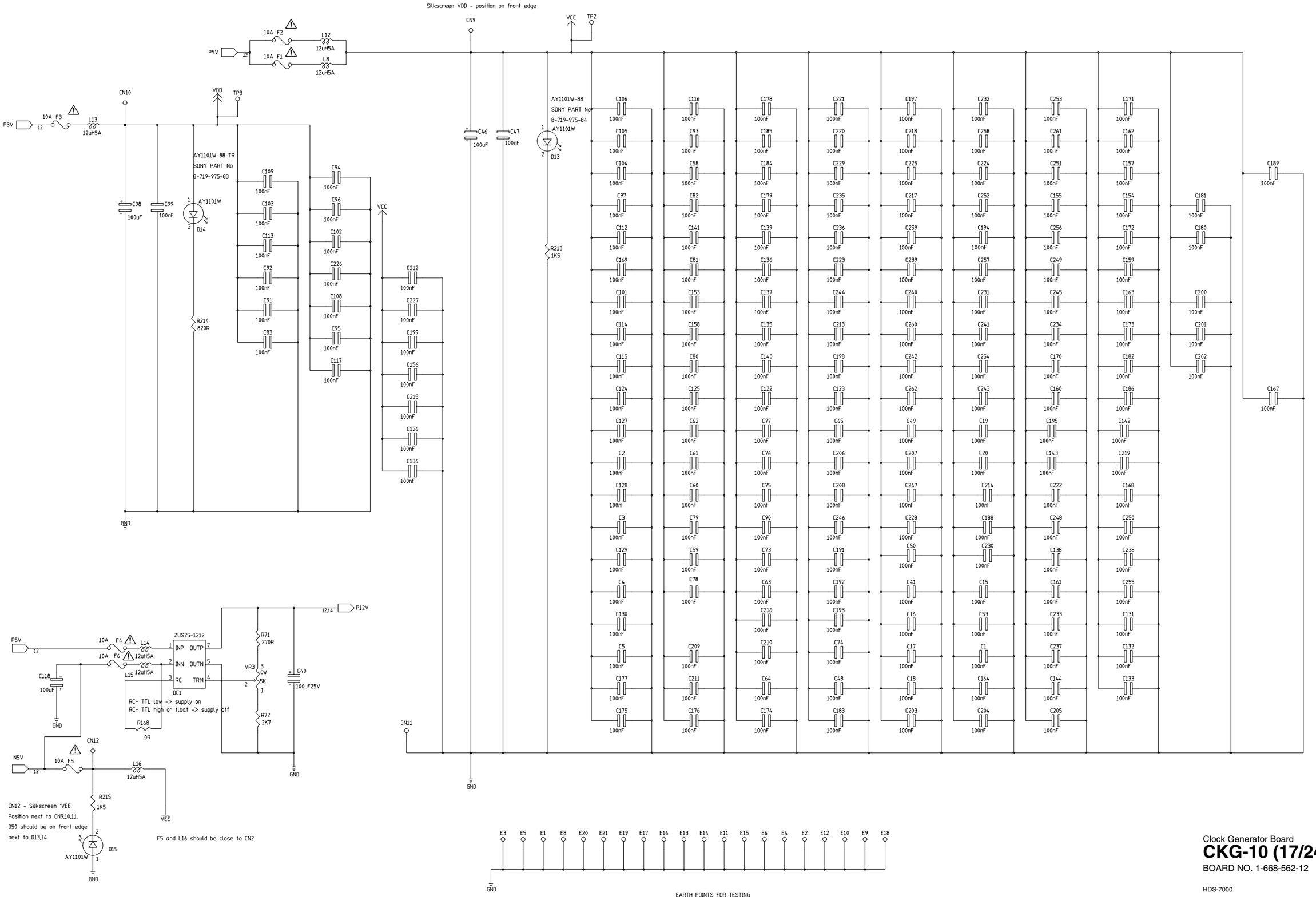
CKG-10 (16/24)



Clock Generator Board
CKG-10 (16/24)
BOARD NO. 1-668-562-12

HDS-7000

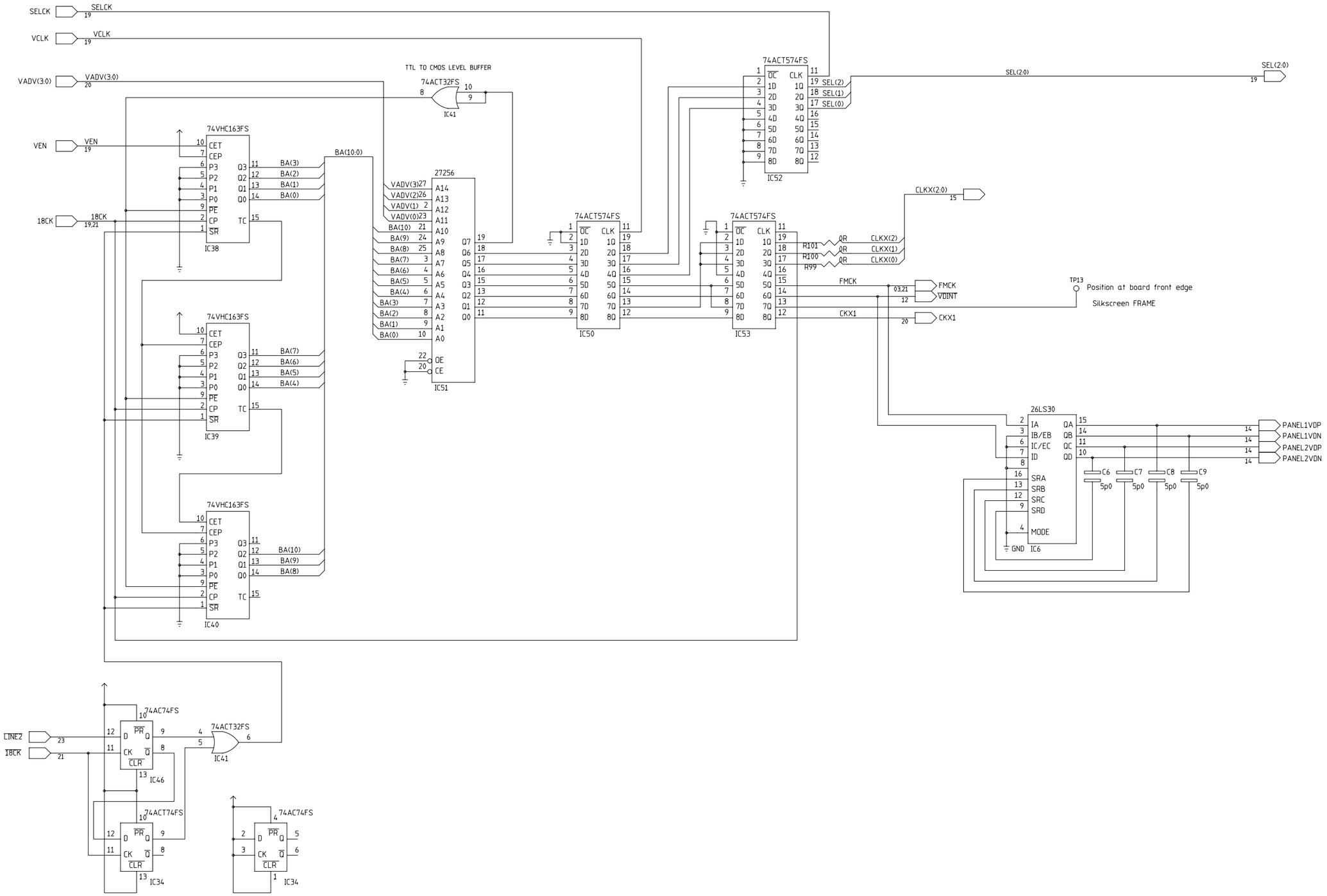
16
HDS-7000



Clock Generator Board
CKG-10 (17/24)
BOARD NO. 1-668-562-12

HDS-7000

CKG-10 (18/24)



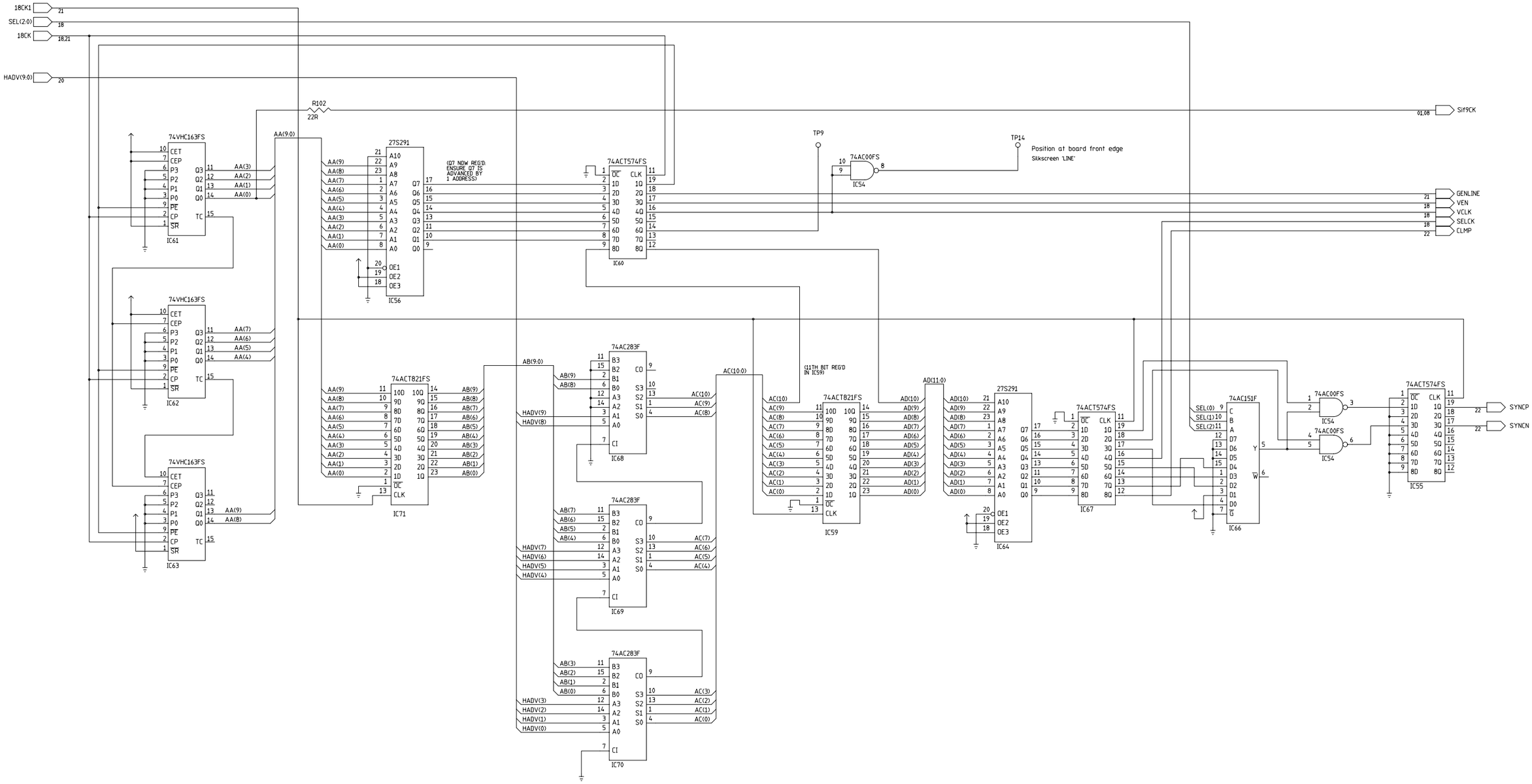
Clock Generator Board

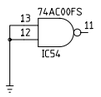
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BOARD NO. 1-668-562-12

HDS-7000

18
HDS-7000

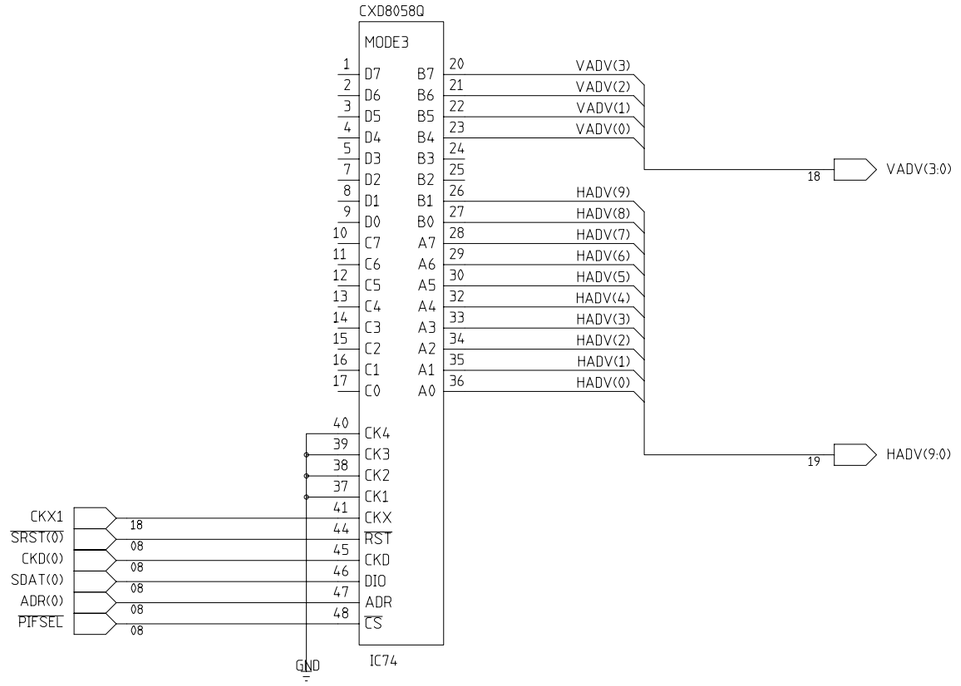




Clock Generator Board
CKG-10 (19/24)
BOARD NO. 1-668-562-12

HDS-7000

CKG-10 (20/24)

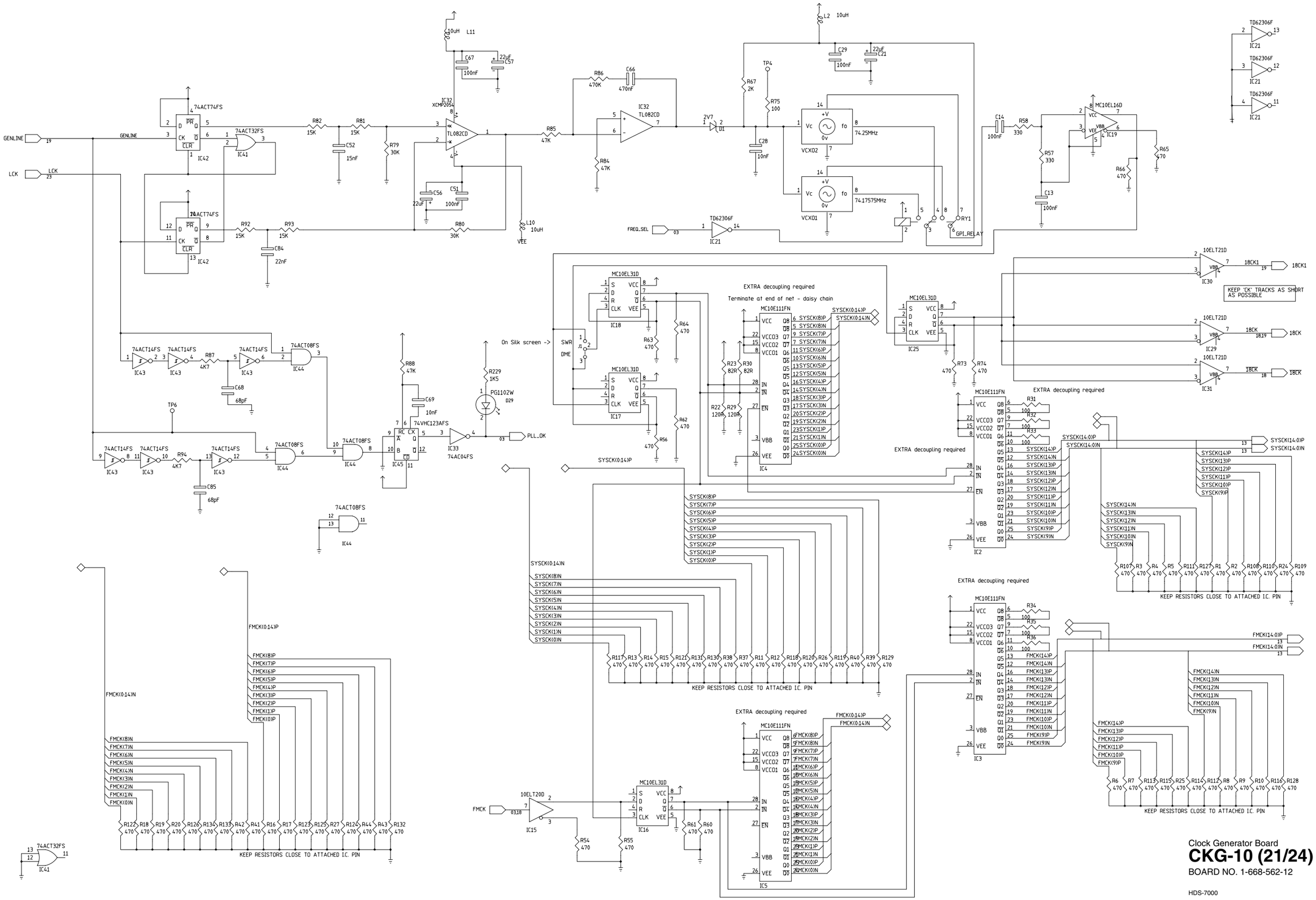


Clock Generator Board
CKG-10 (20/24)
BOARD NO. 1-668-562-12

HDS-7000

HDS-7000

CKG-10 (21/24)



HDS-7000

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21

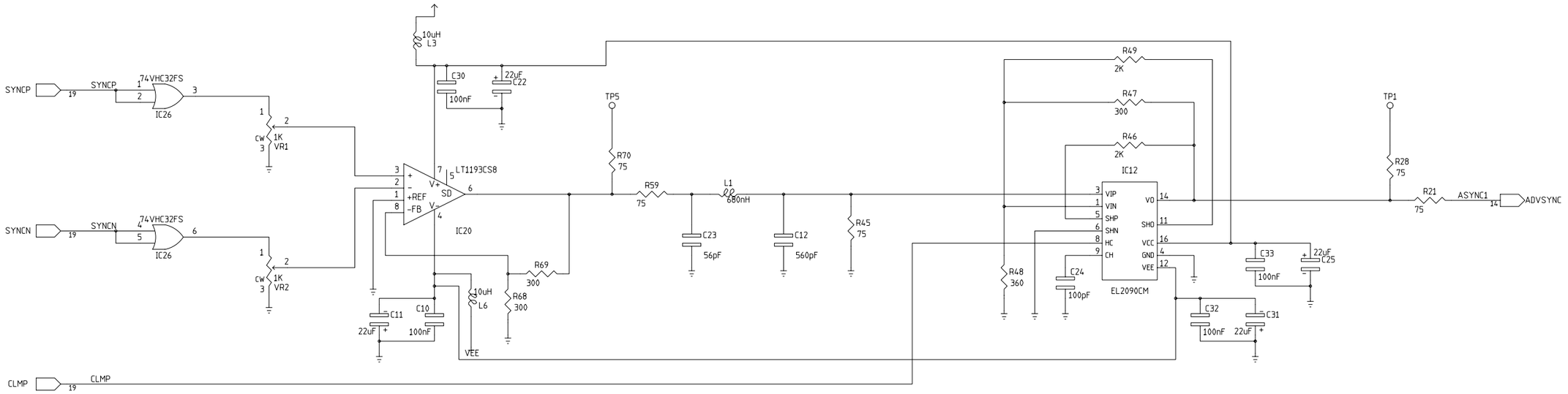
Clock Generator Board

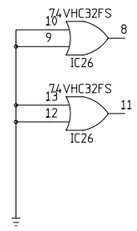
CKG-10 (21/24)

BOARD NO. 1-668-562-12

HDS-7000

CKG-10 (22/24)





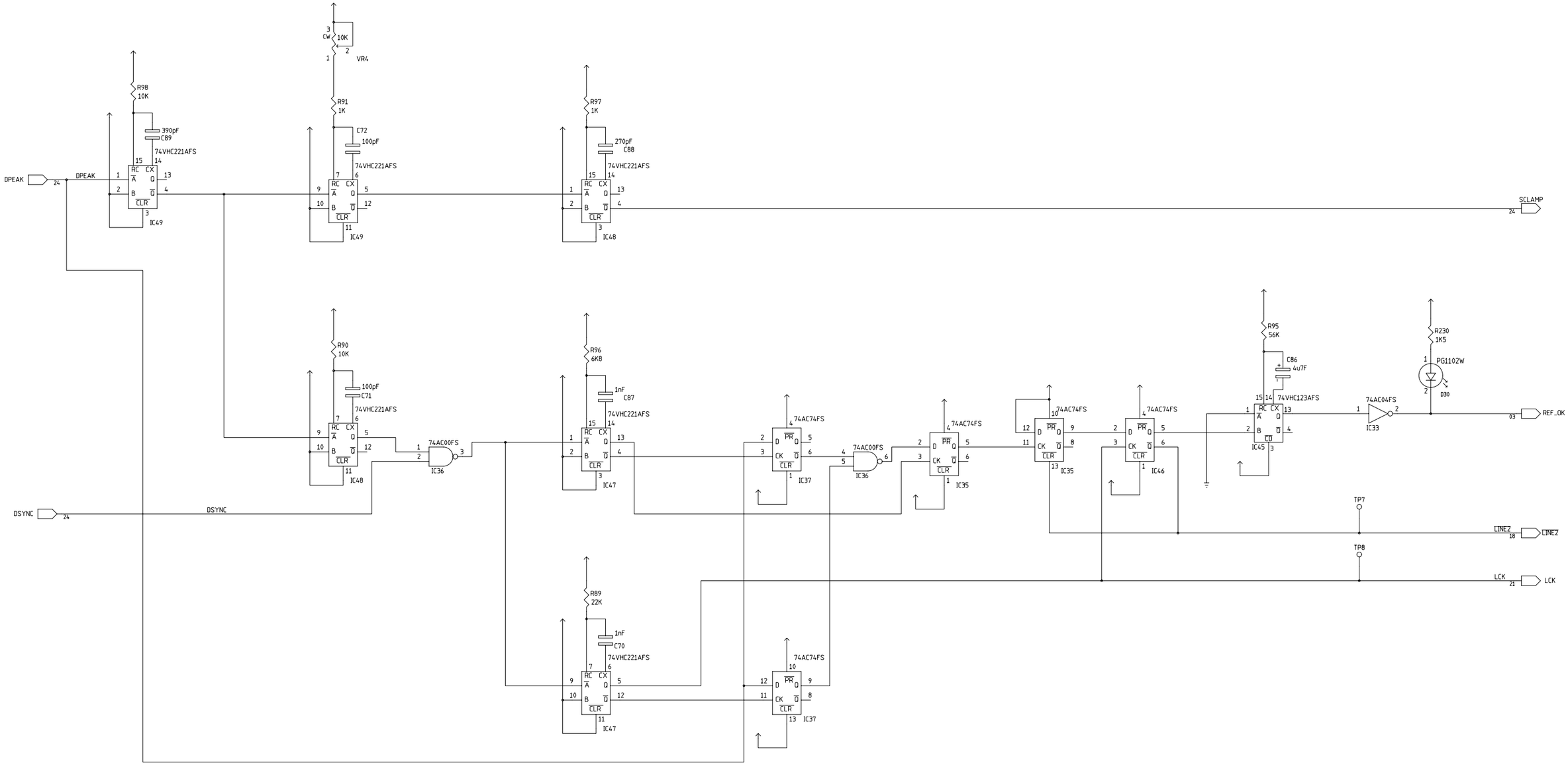
Clock Generator Board
CKG-10 (22/24)
BOARD NO. 1-668-562-12

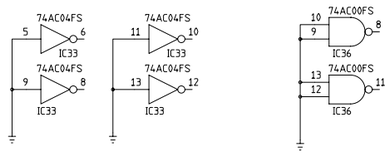
HDS-7000

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HDS-7000

CKG-10 (23/24)

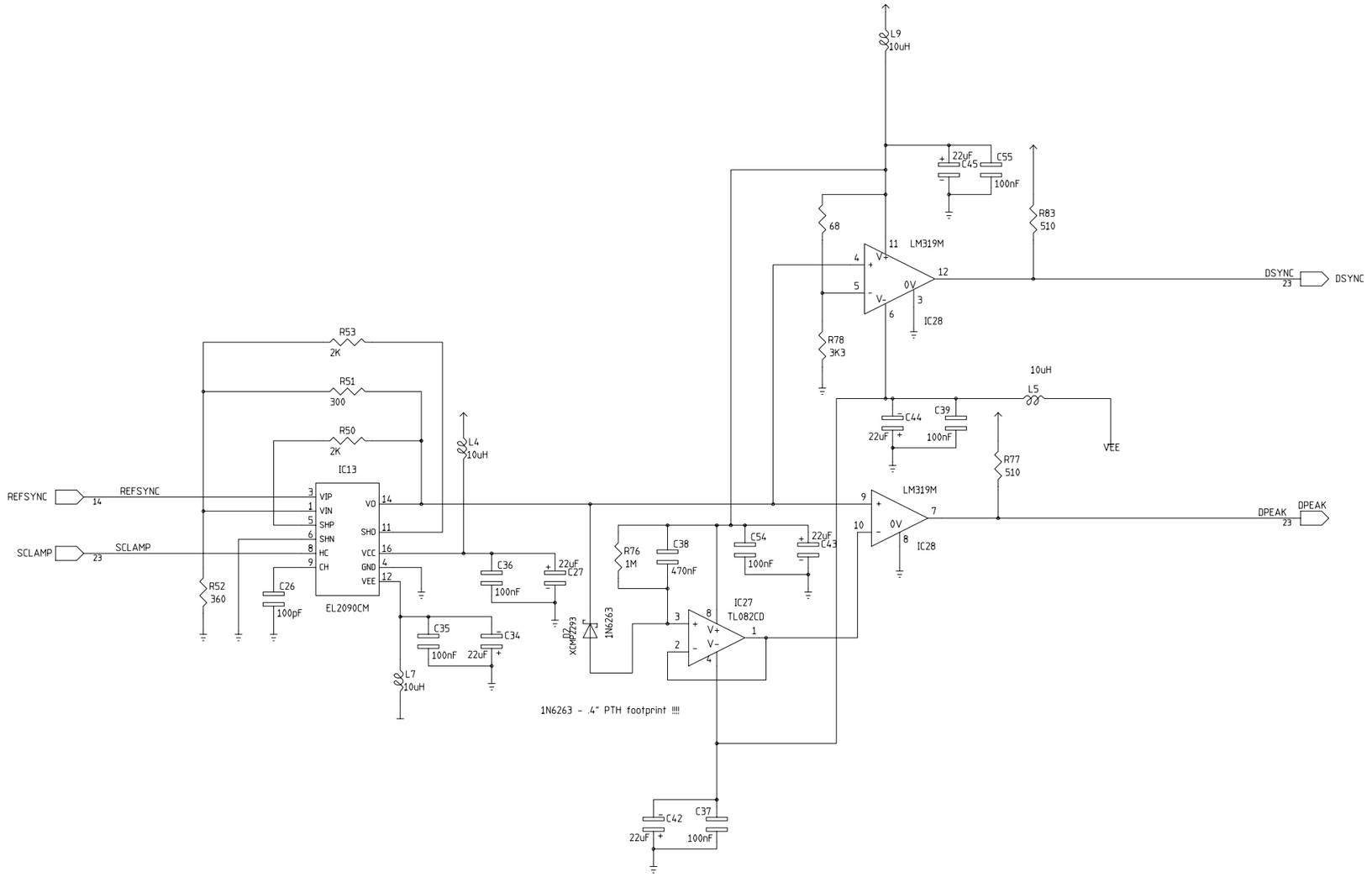




Clock Generator Board
CKG-10 (23/24)
BOARD NO. 1-668-562-12

HDS-7000

CKG-10 (24/24)

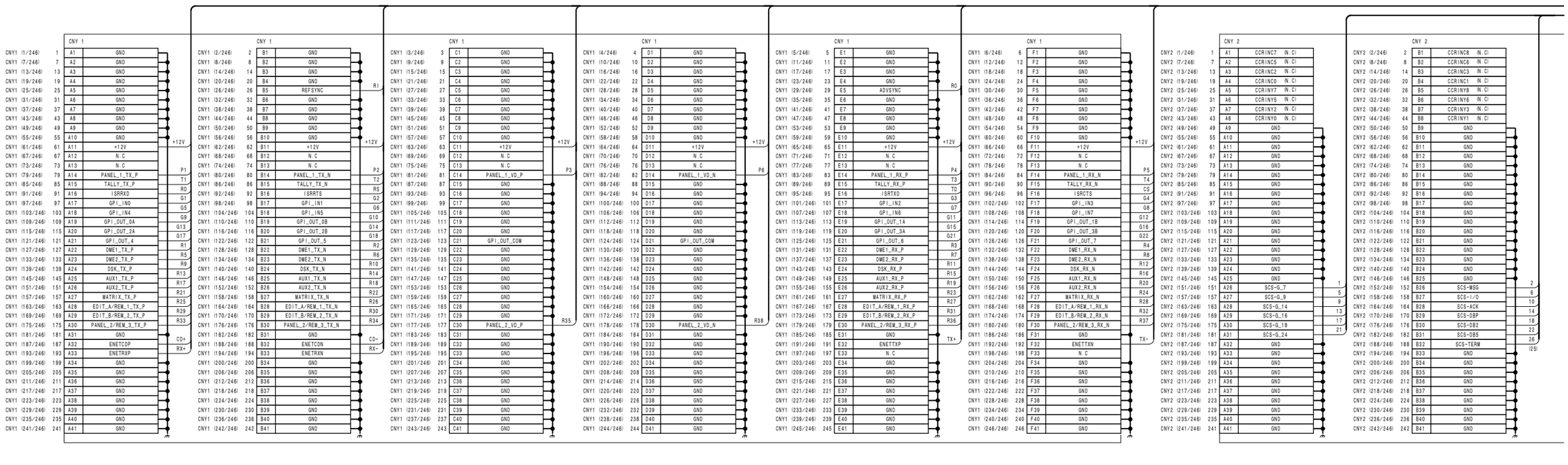


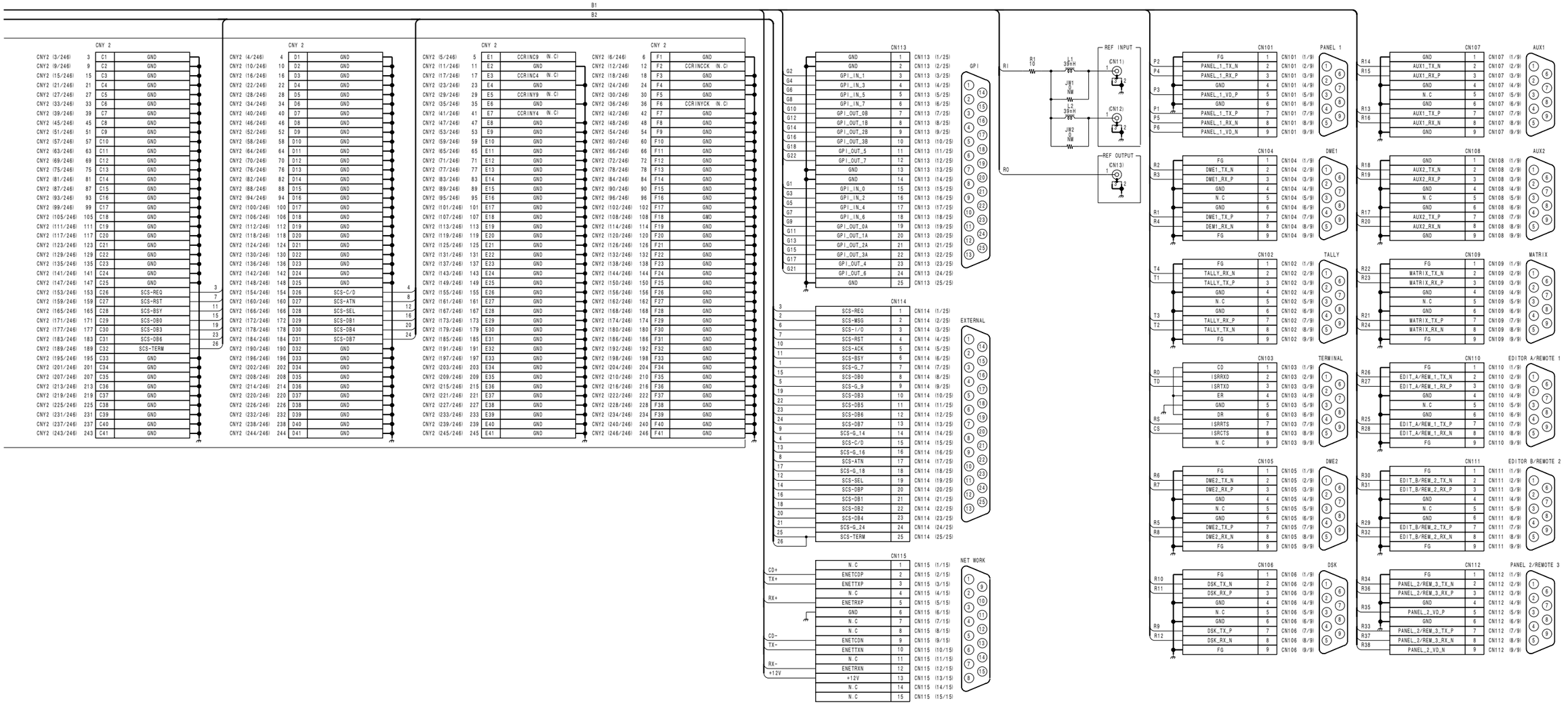
Clock Generator Board
CKG-10 (24/24)
BOARD NO. 1-668-562-12

HDS-7000

24

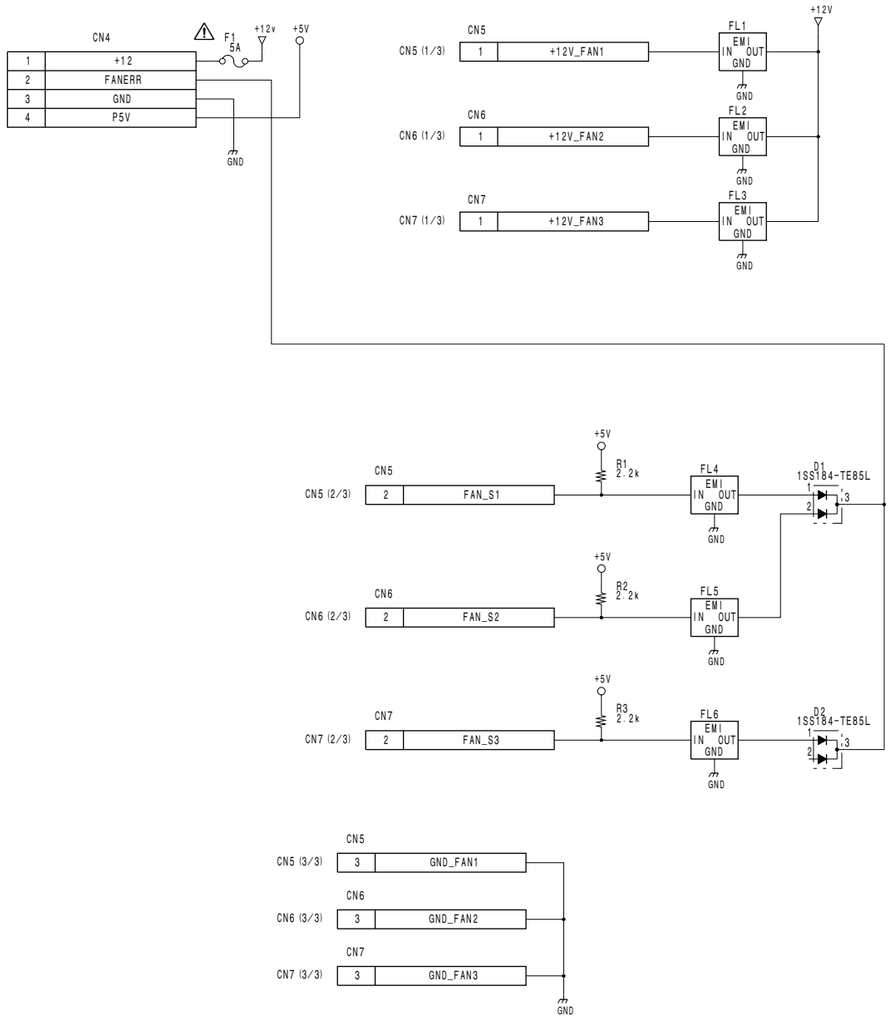
HDS-7000

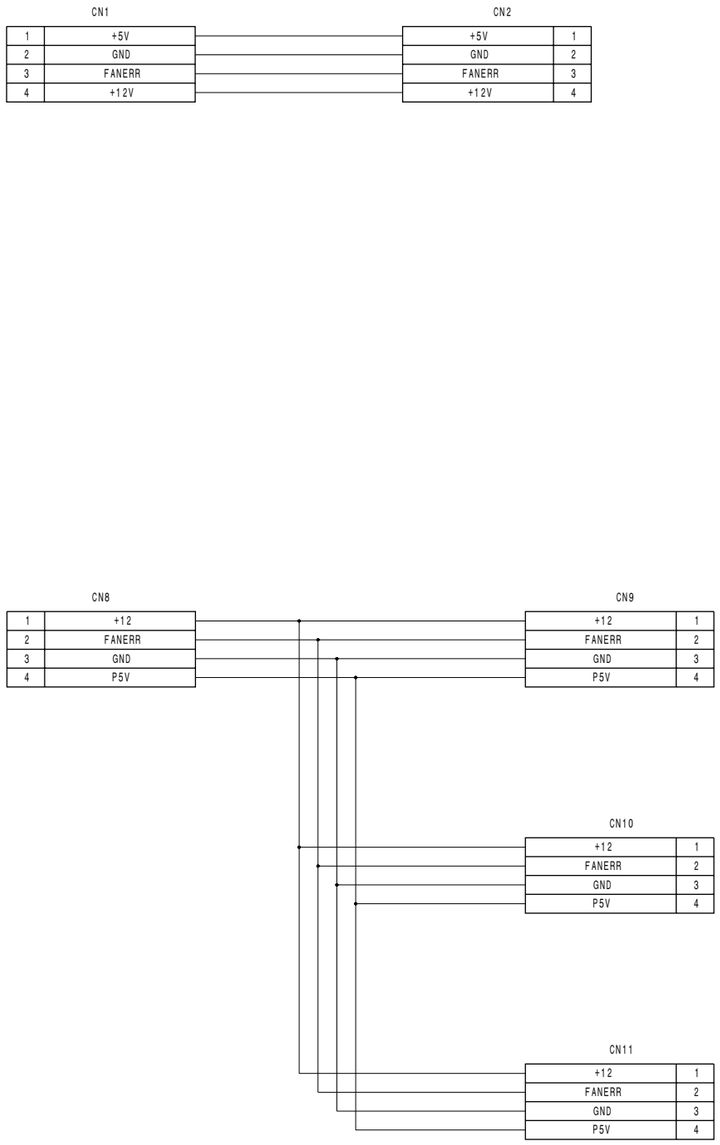

CNY 1
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CNY1 (7/246) 7 A2 GND
CNY1 (13/246) 13 A3 GND
CNY1 (19/246) 19 A4 GND
CNY1 (25/246) 25 A5 GND
CNY1 (31/246) 31 A6 GND
CNY1 (37/246) 37 A7 GND
CNY1 (43/246) 43 A8 GND
CNY1 (49/246) 49 A9 GND
CNY1 (55/246) 55 A10 GND +12V
CNY1 (61/246) 61 A11 +12V
CNY1 (67/246) 67 A12 N.C
CNY1 (73/246) 73 A13 N.C
CNY1 (79/246) 79 A14 PANEL_1_TX_P P1
CNY1 (85/246) 85 A15 TALLY_TX_P T1
CNY1 (91/246) 91 A16 ISRRXD RD
CNY1 (97/246) 97 A17 GPI_IN0 G1
CNY1 (103/246) 103 A18 GPI_IN4 G5
CNY1 (109/246) 109 A19 GPI_OUT_0A G9
CNY1 (115/246) 115 A20 GPI_OUT_2A G13
CNY1 (121/246) 121 A21 GPI_OUT_4 G17
CNY1 (127/246) 127 A22 DME1_TX_P R1
CNY1 (133/246) 133 A23 DME2_TX_P R5
CNY1 (139/246) 139 A24 DSK_TX_P R9
CNY1 (145/246) 145 A25 AUX1_TX_P R13
CNY1 (151/246) 151 A26 AUX2_TX_P R17
CNY1 (157/246) 157 A27 MATRIX_TX_P R21
CNY1 (163/246) 163 A28 EDIT_A/REM_1_TX_P R25
CNY1 (169/246) 169 A29 EDIT_B/REM_2_TX_P R29
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CNY1 (187/246) 187 A32 ENETCDP RX+
CNY1 (193/246) 193 A33 ENETRXP
CNY1 (199/246) 199 A34 GND
CNY1 (205/246) 205 A35 GND
CNY1 (211/246) 211 A36 GND
CNY1 (217/246) 217 A37 GND
CNY1 (223/246) 223 A38 GND
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CNY1 (2/246) 2 B1 GND
CNY1 (8/246) 8 B2 GND
CNY1 (14/246) 14 B3 GND
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CNY1 (26/246) 26 B5 REFSYNC
CNY1 (32/246) 32 B6 GND
CNY1 (38/246) 38 B7 GND
CNY1 (44/246) 44 B8 GND
CNY1 (50/246) 50 B9 GND
CNY1 (56/246) 56 B10 GND +12V
CNY1 (62/246) 62 B11 +12V
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CNY1 (74/246) 74 B13 N.C T2
CNY1 (80/246) 80 B14 PANEL_1_TX_N R5
CNY1 (86/246) 86 B15 TALLY_TX_N G2
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CNY1 (39/246) 39 C7 GND
CNY1 (45/246) 45 C8 GND
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CNY1 (57/246) 57 C10 GND +12V
CNY1 (63/246) 63 C11 +12V
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CNY1 (81/246) 81 C14 PANEL_1_VD_P R7
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CNY1 (147/246) 147 C25 GND R23
CNY1 (153/246) 153 C26 GND R27
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CNY1 (165/246) 165 C28 GND R35
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CNY1 (94/246) 94 D16 GND G8
CNY1 (100/246) 100 D17 GND G12
CNY1 (106/246) 106 D18 GND G16
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CNY1 (166/246) 166 D28 GND R36
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CNY1 (65/246) 65 E11 +12V
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CNY1 (173/246) 173 E29 EDIT_B/REM_2_RX_P R36
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CNY1 (234/246) 234 F39 GND
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CNY1 (246/246) 246 F41 GND
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CNY2 (1/246) 1 A1 CCRINC7 (N.C)
CNY2 (7/246) 7 A2 CCRINC5 (N.C)
CNY2 (13/246) 13 A3 CCRINC2 (N.C)
CNY2 (19/246) 19 A4 CCRINC0 (N.C)
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CNY2 (37/246) 37 A7 CCRINY2 (N.C)
CNY2 (43/246) 43 A8 CCRINY0 (N.C)
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CNY2 (163/246) 163 A28 SCS-G_14
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CNY2 (217/246) 217 A37 GND
CNY2 (223/246) 223 A38 GND
CNY2 (229/246) 229 A39 GND
CNY2 (235/246) 235 A40 GND
CNY2 (241/246) 241 A41 GND
CNY 2
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CNY2 (8/246) 8 B2 CCRINC6 (N.C)
CNY2 (14/246) 14 B3 CCRINC3 (N.C)
CNY2 (20/246) 20 B4 CCRINC1 (N.C)
CNY2 (26/246) 26 B5 CCRINY8 (N.C)
CNY2 (32/246) 32 B6 CCRINY6 (N.C)
CNY2 (38/246) 38 B7 CCRINY3 (N.C)
CNY2 (44/246) 44 B8 CCRINY1 (N.C)
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CNY2 (62/246) 62 B11 GND
CNY2 (68/246) 68 B12 GND
CNY2 (74/246) 74 B13 GND
CNY2 (80/246) 80 B14 GND
CNY2 (86/246) 86 B15 GND
CNY2 (92/246) 92 B16 GND
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CNY2 (146/246) 146 B25 GND
CNY2 (152/246) 152 B26 SCS-MSG
CNY2 (158/246) 158 B27 SCS-I/O
CNY2 (164/246) 164 B28 SCS-ACK
CNY2 (170/246) 170 B29 SCS-DBP
CNY2 (176/246) 176 B30 SCS-DB2
CNY2 (182/246) 182 B31 SCS-DB5
CNY2 (188/246) 188 B32 SCS-TERM
CNY2 (194/246) 194 B33 GND
CNY2 (200/246) 200 B34 GND
CNY2 (206/246) 206 B35 GND
CNY2 (212/246) 212 B36 GND
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CNY2 (236/246) 236 B40 GND
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P5
T4
CS
G4
G8
G12
G16
G22
R4
R8
R12
R16
R20
R24
R28
R32
R37
1 2
5 6
9 10
13 14
17 18
21 22
(25) 26



Connector Board
CN-1439
BOARD NO. 1-668-542-11

HDS-7000





Connector Board
CN-1700
BOARD NO. 1-669-504-11

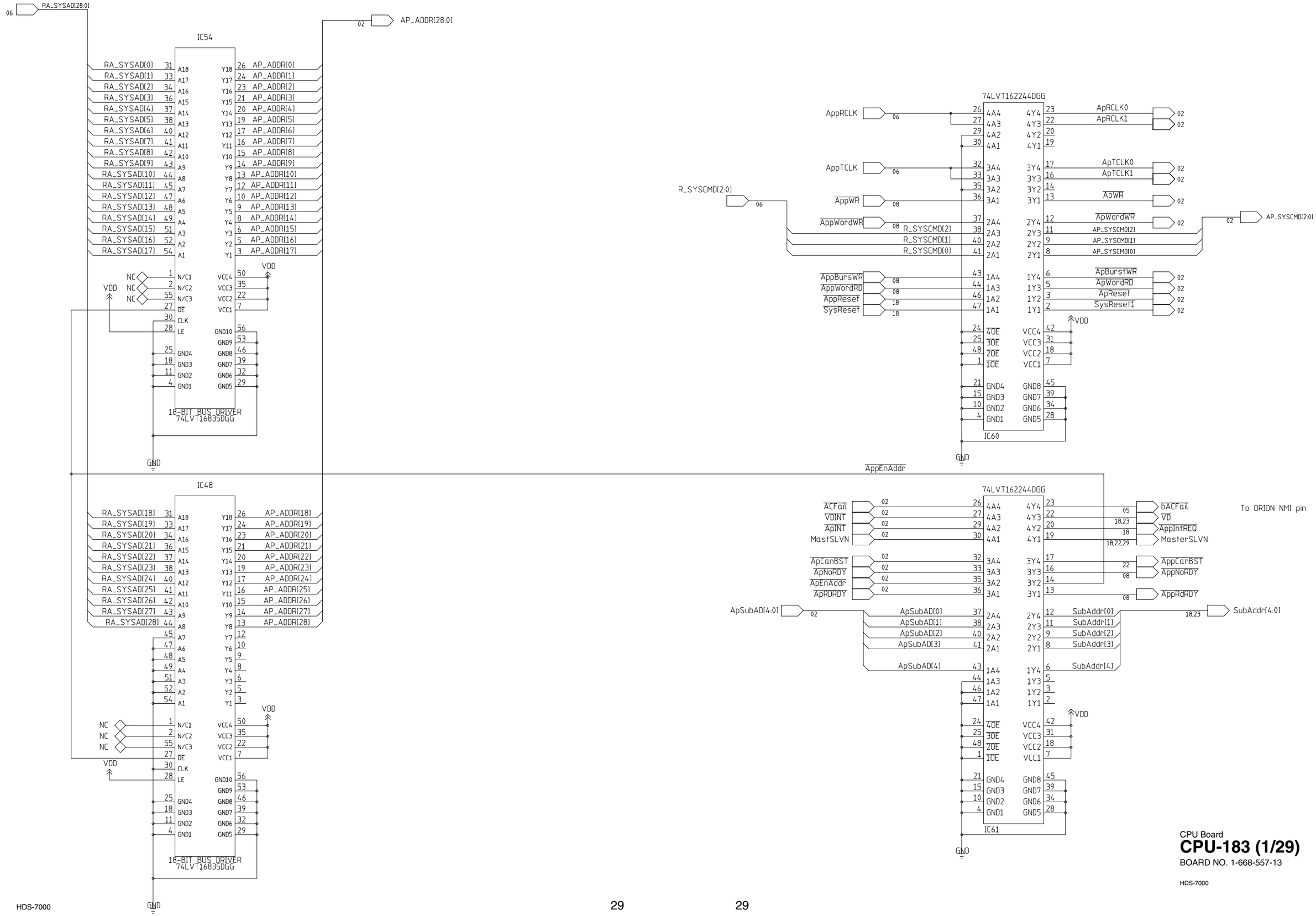
HDS-7000

Connector Board
CN-1539
BOARD NO. 1-668-544-12

HDS-7000

Connector Board
CN-1701
BOARD NO. 1-669-505-11

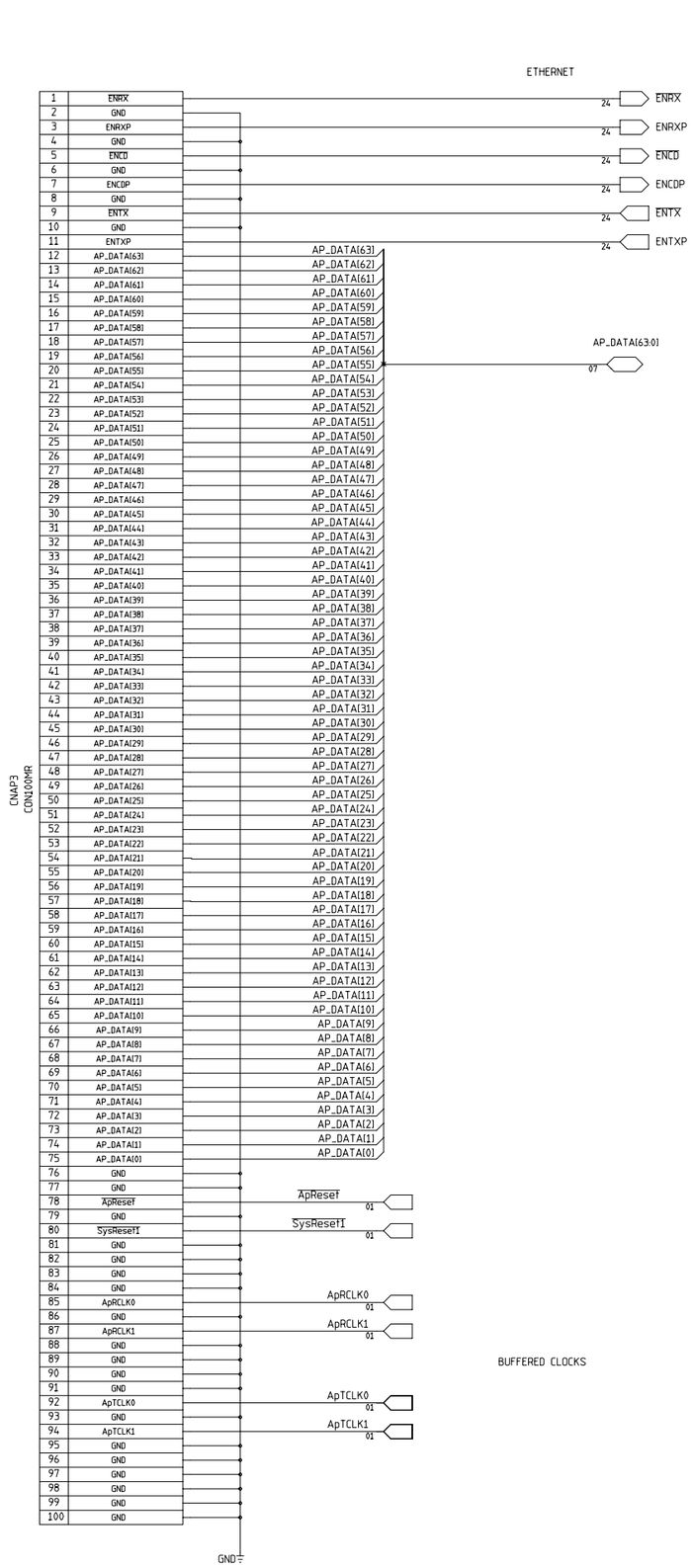
HDS-7000

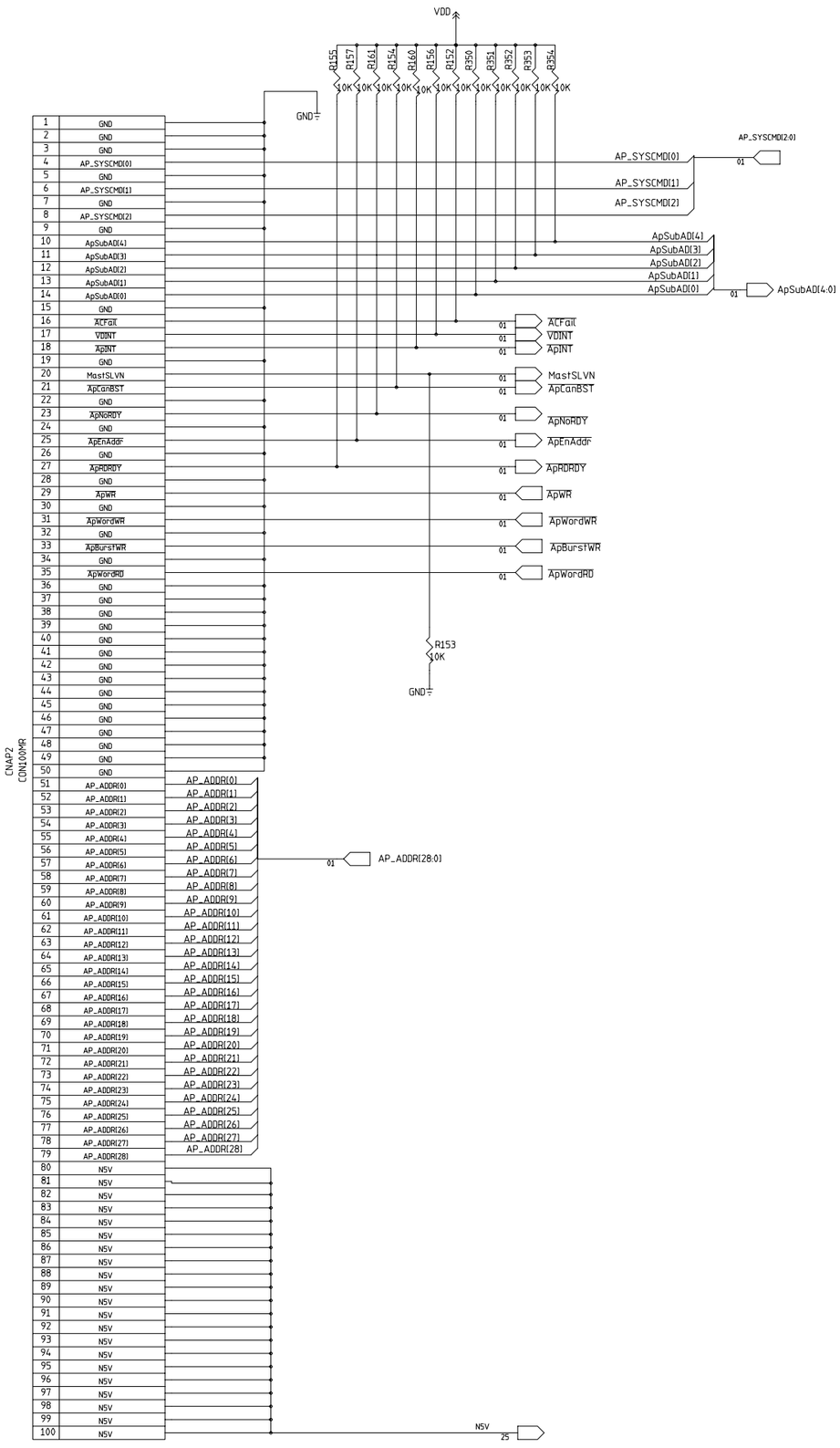


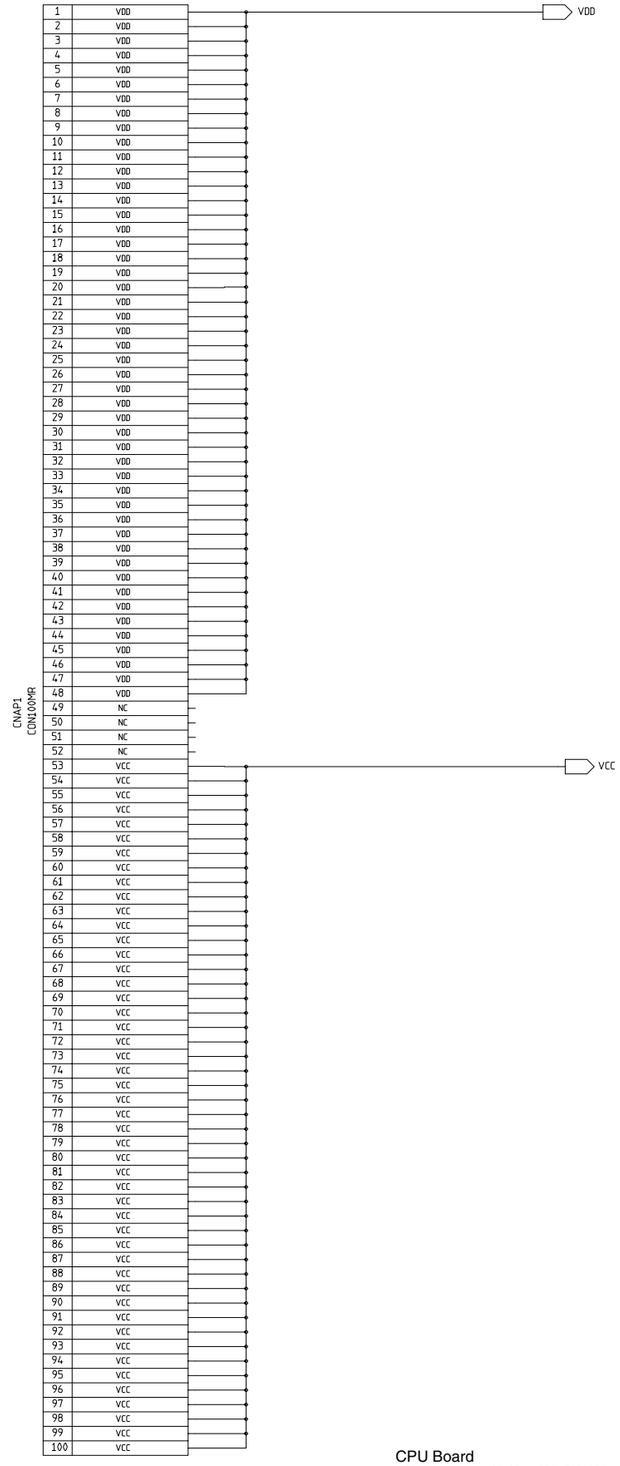
CPU Board
CPU-183 (1/29)
BOARD NO. 1-668-557-13

HDS-7000

CPU-183 (2/29)





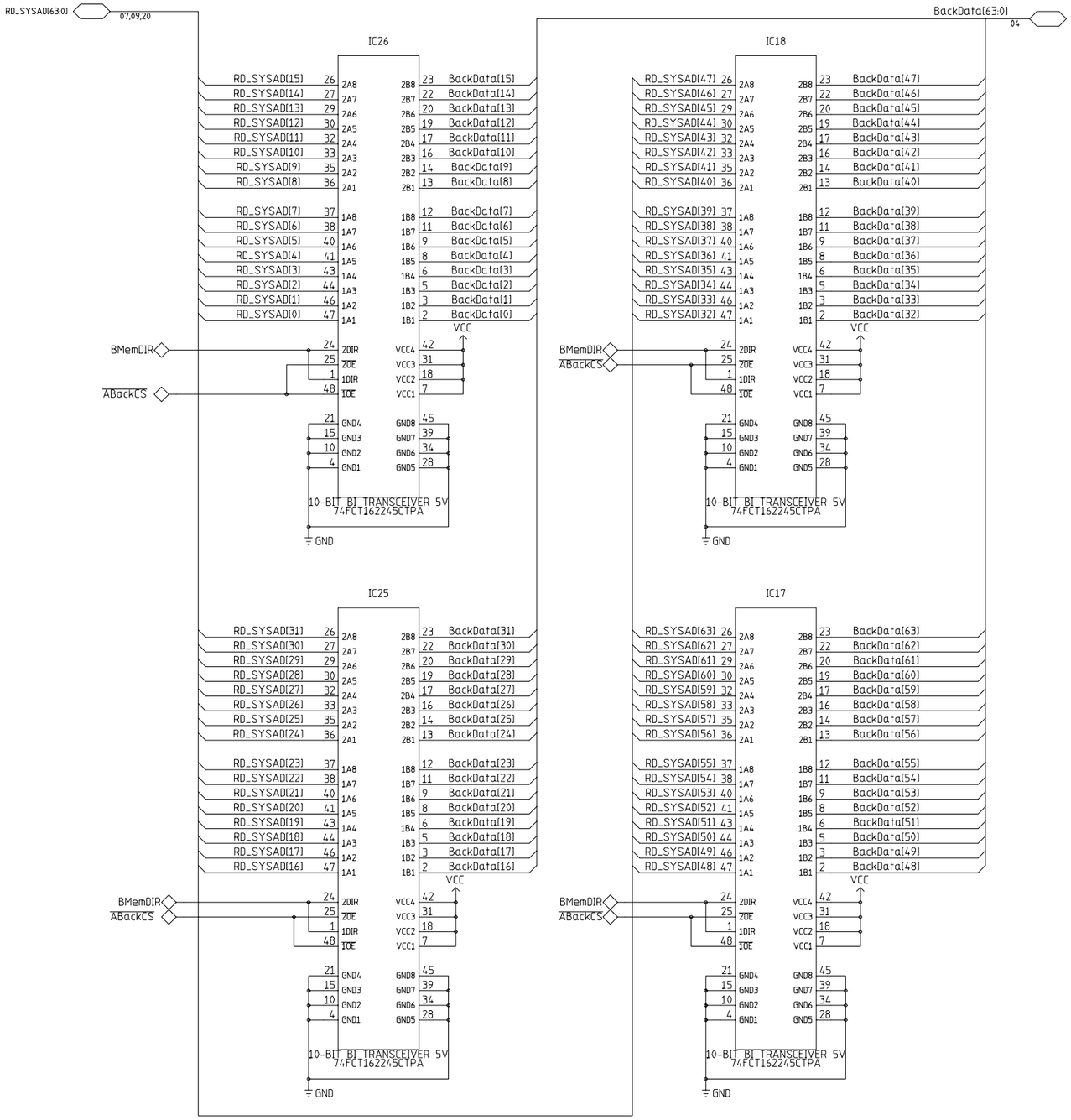


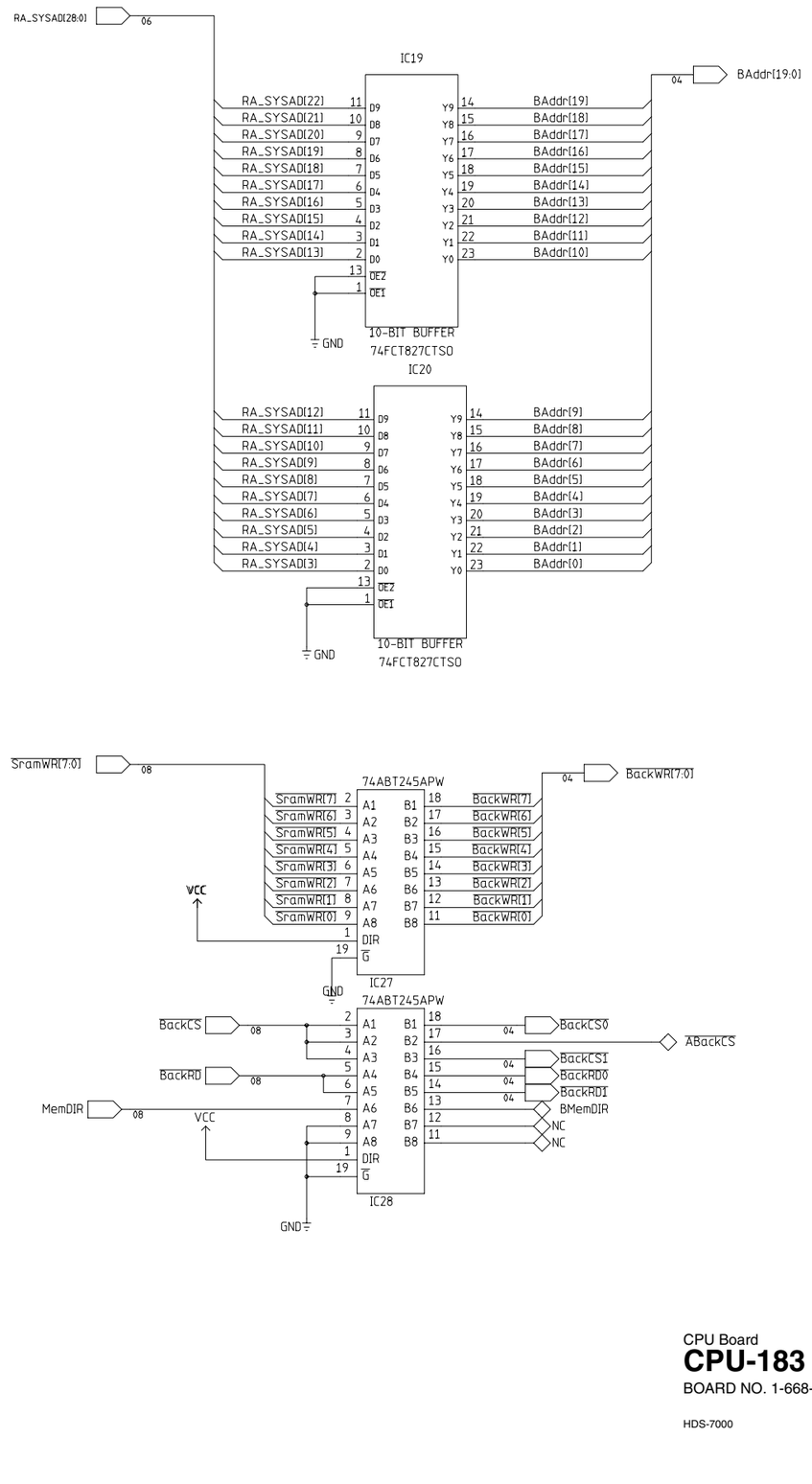
CPU Board
CPU-183 (2/29)
BOARD NO. 1-668-557-13

HDS-7000

HDS-7000

CPU-183 (3/29)



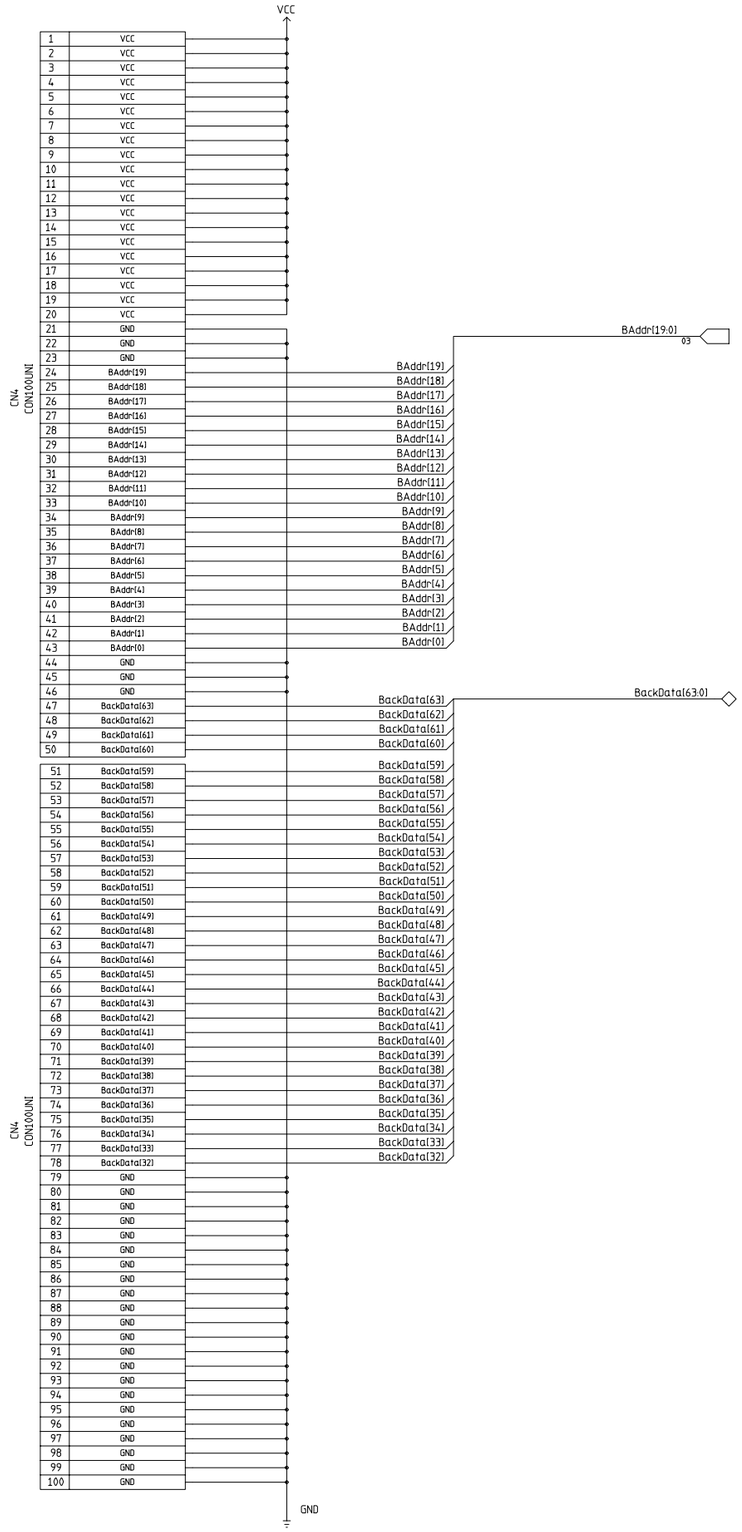


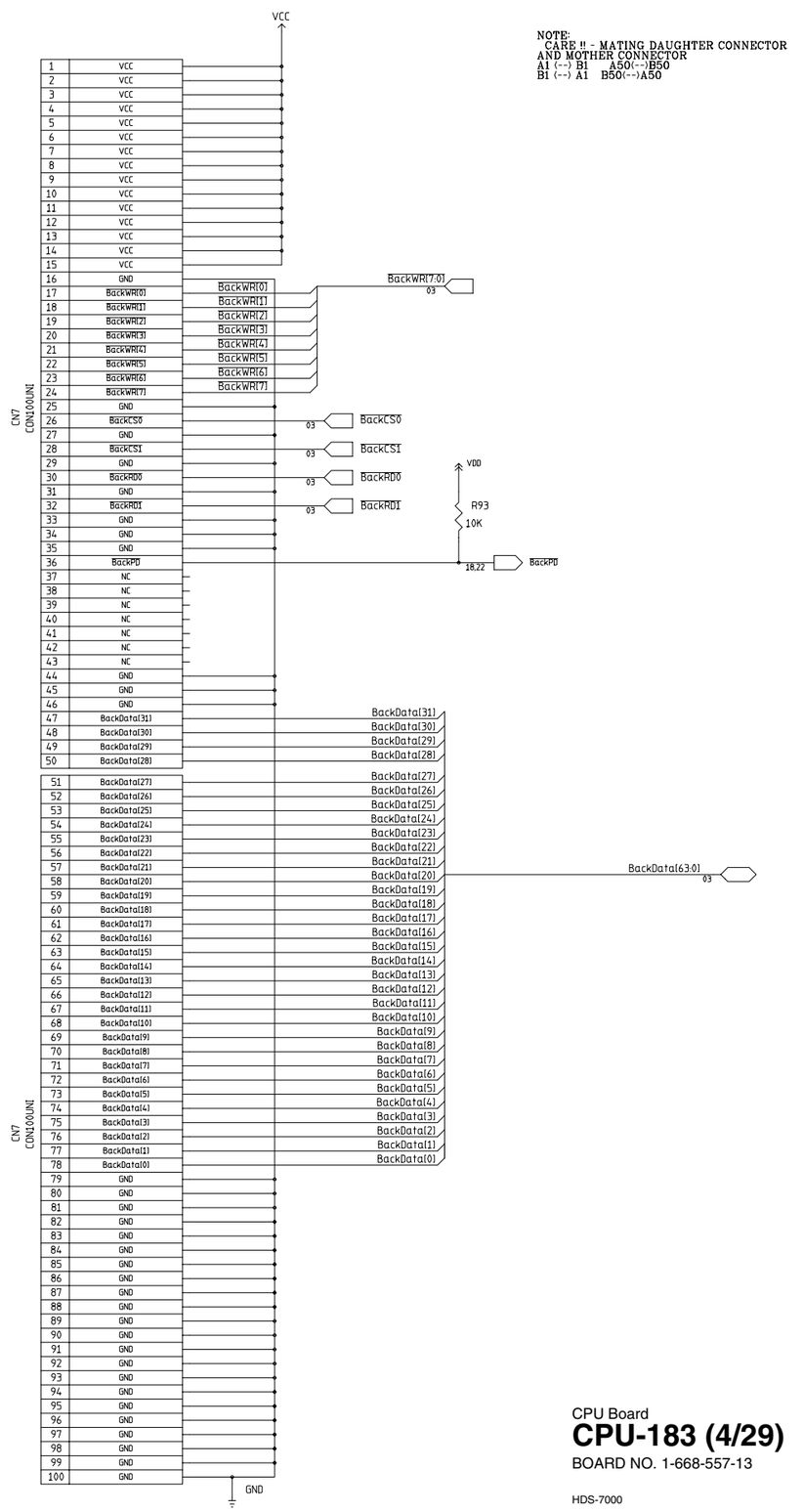
CPU Board
CPU-183 (3/29)
BOARD NO. 1-668-557-13

HDS-7000

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HDS-7000

CPU-183 (4/29)



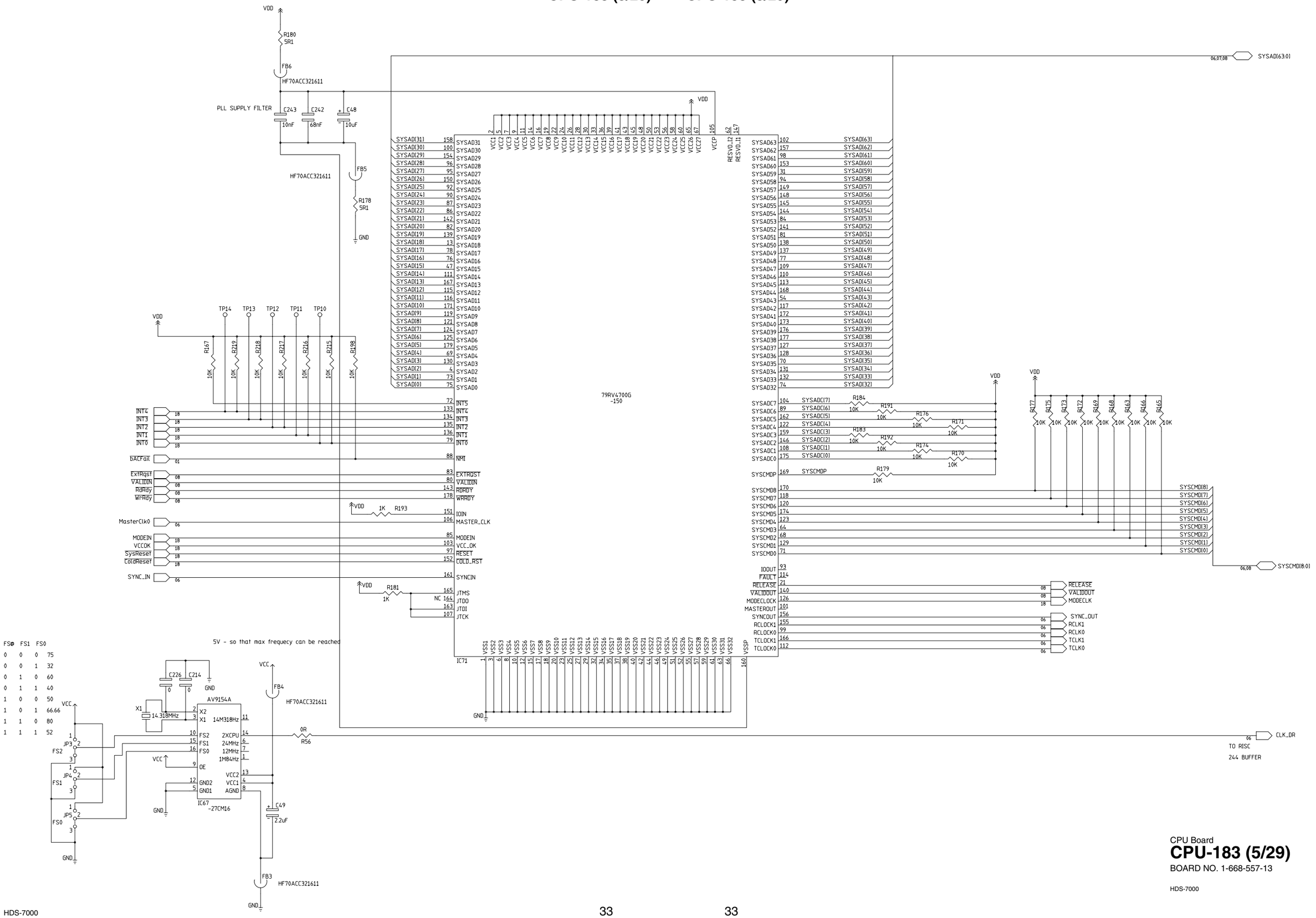


NOTE:
CARE !! - MATING DAUGHTER CONNECTOR
AND MOTHER CONNECTOR
A1 (--) B1 A50(--)B50
B1 (--) A1 B50(--)A50

CPU Board
CPU-183 (4/29)
BOARD NO. 1-668-557-13

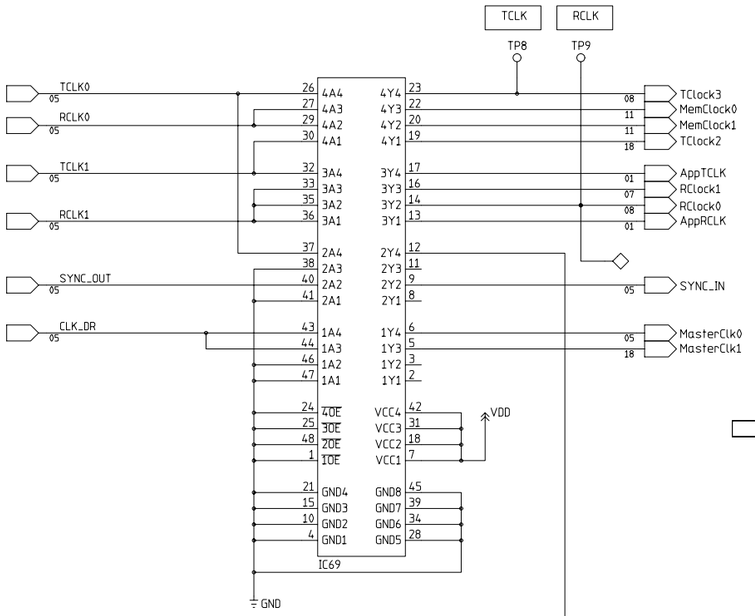
HDS-7000

CPU-183 (5/29)

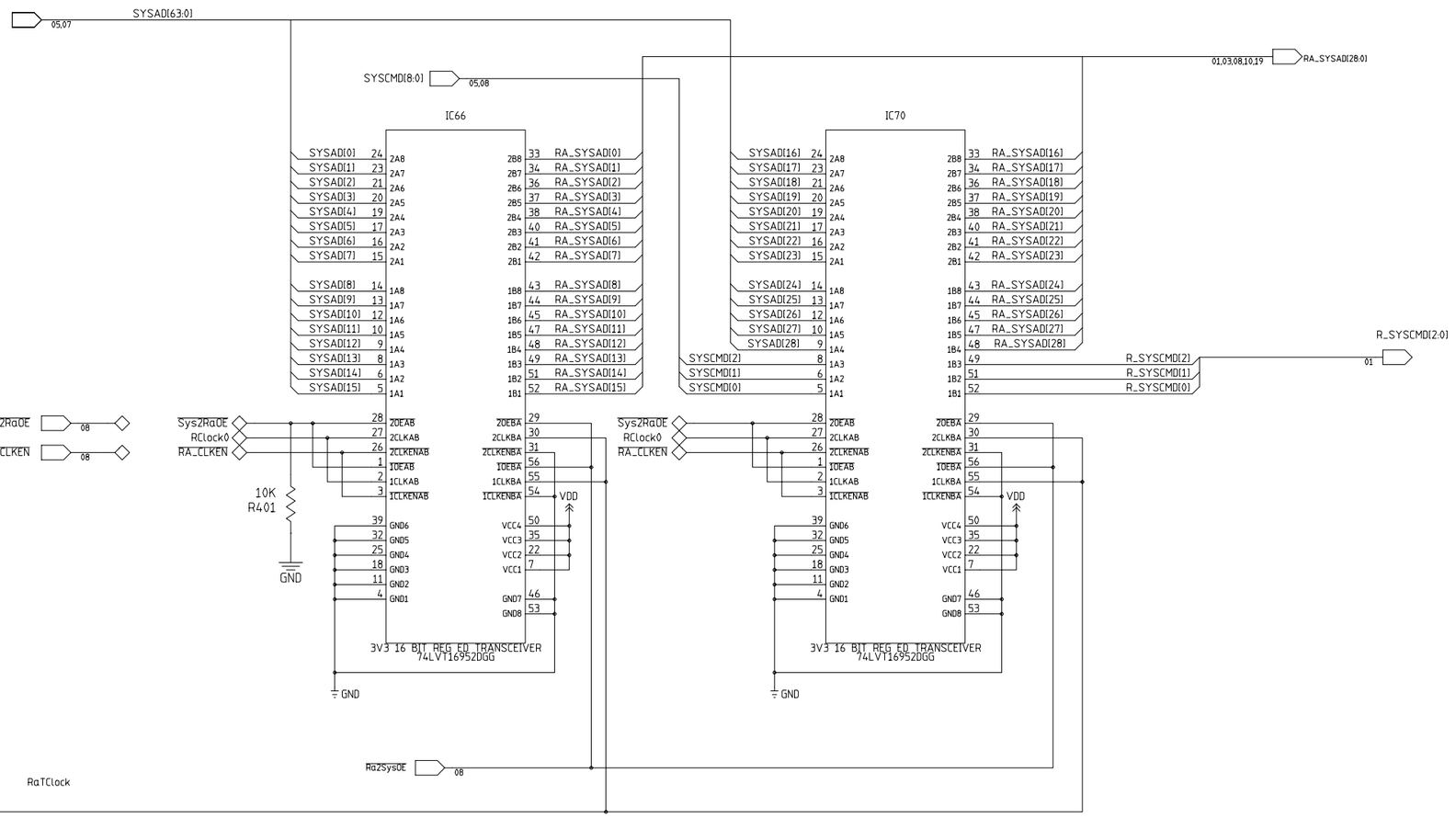


CPU Board
CPU-183 (5/29)
BOARD NO. 1-668-557-13

HDS-7000



CPU RCLOCK AND TCLOCK DISTRIBUTION



CPU Board
CPU-183 (6/29)
BOARD NO. 1-668-557-13

HDS-7000

CPU-183 (7/29)

SYSAD[63:0] 05,06,08

AP_DATA[63:0] 02

RD_SYSAD[63:0] 03,09,20

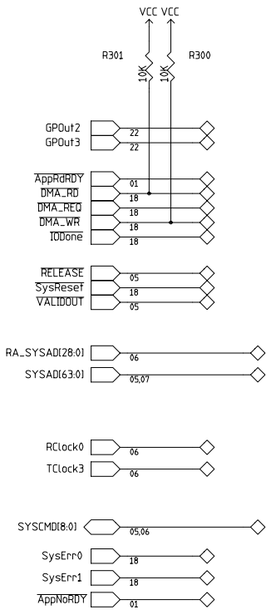
IC73 IC76 IC72 IC75

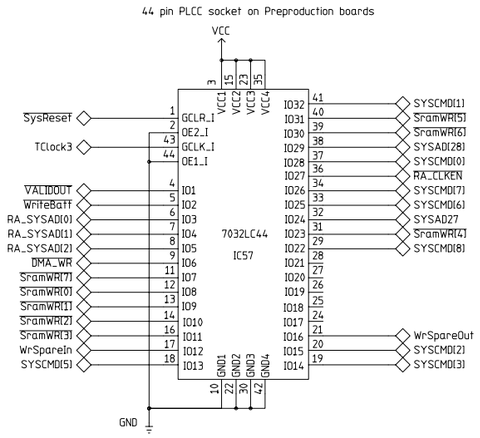
IC79 IC86 IC78 IC85

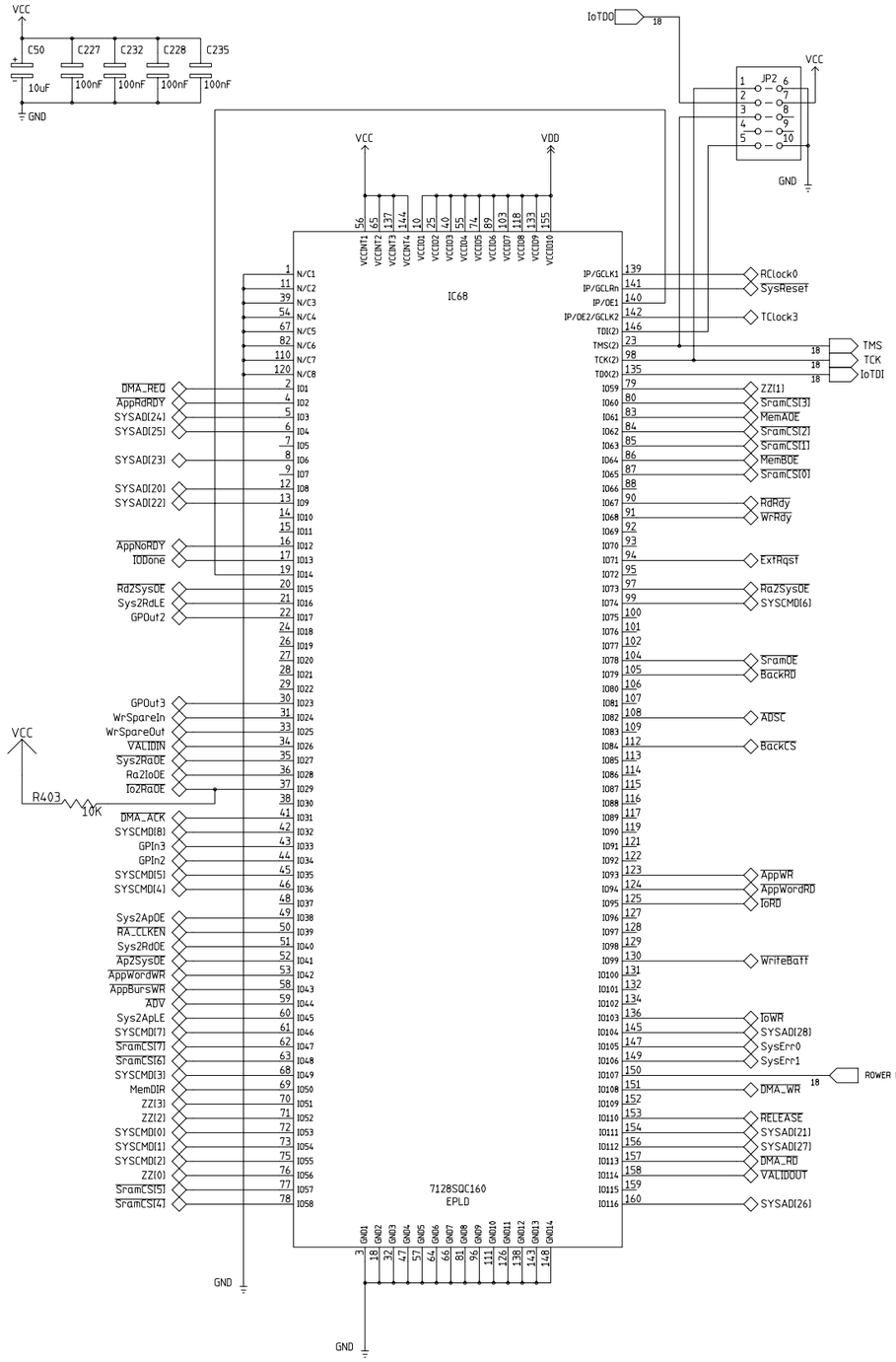
18-BIT TRANSCEIVER
74LVT16501DGG

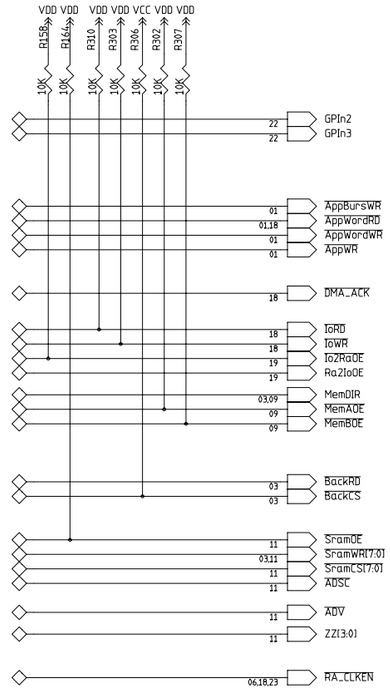
Sys2ApOE
Sys2ApLE
ApZSysOE
Sys2RdOE
RClock1
RdZSysOE
Sys2RdLE
VDD
GND
10K
R402

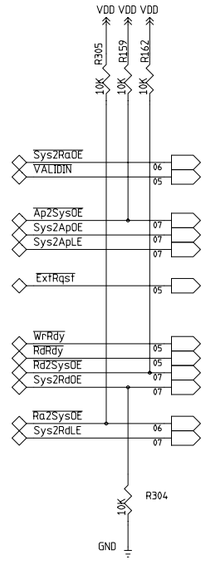
HDS-7000
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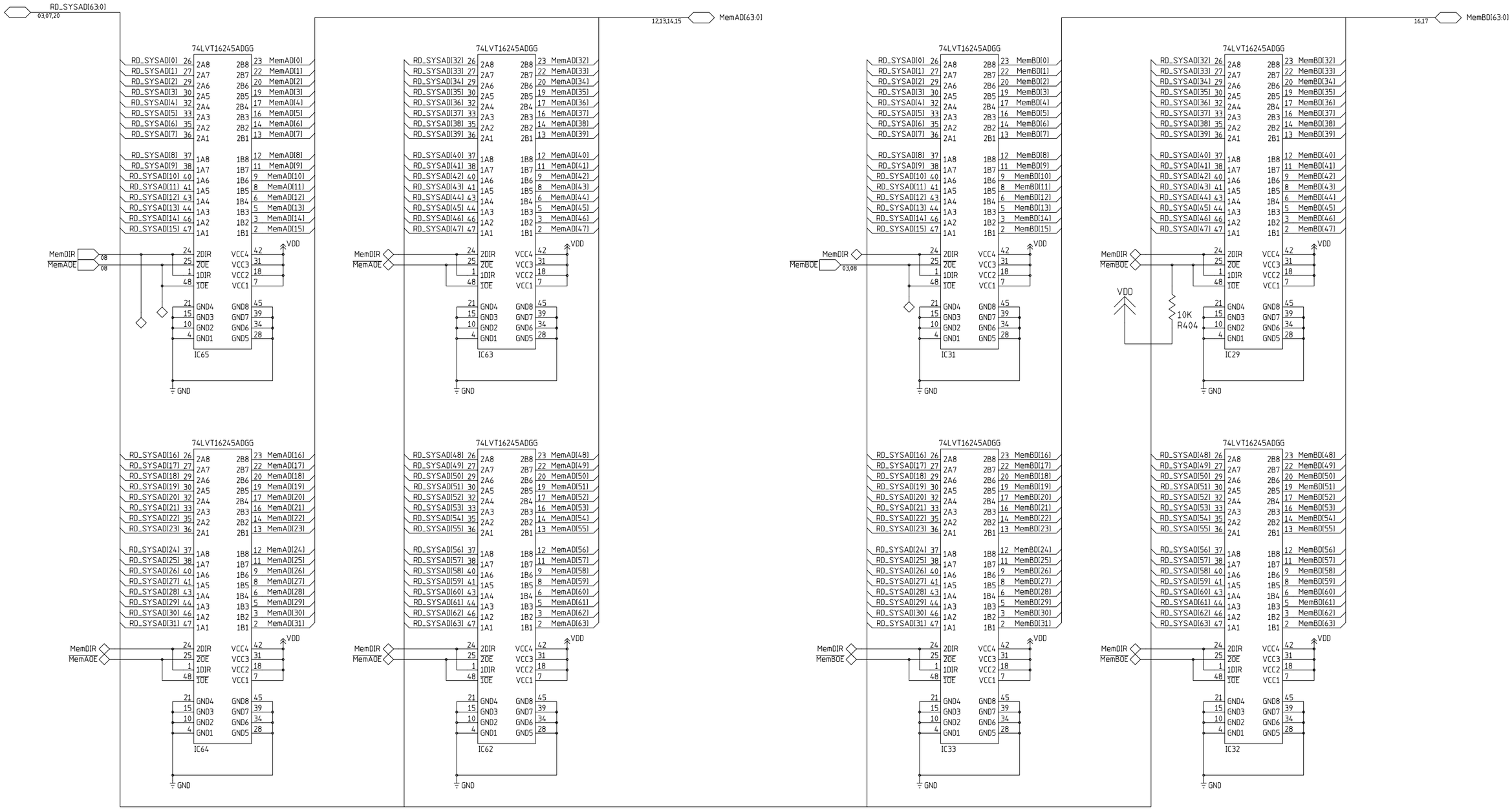


CPU Board

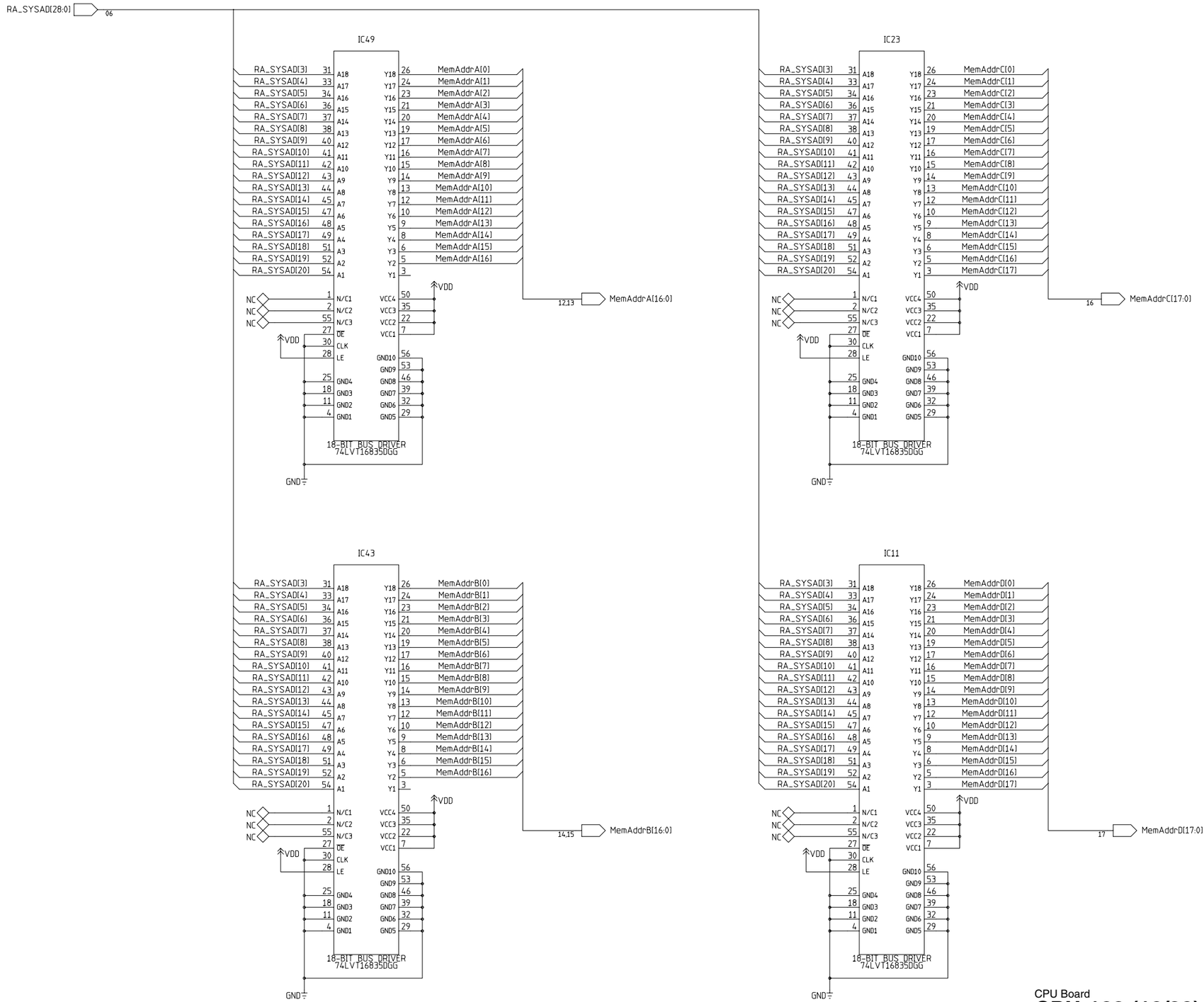
CPU-183 (8/29)

BOARD NO. 1-668-557-13

HDS-7000


RD_SYSAD[63:0]
03,07,20
MemAD[63:0]
12,13,14,15
MemBD[63:0]
16,17
74LVT16245ADGG
MemDIR
MemAOE
MemBOE
08
03,08
VDD
GND
10K
R404
IC65
IC64
IC63
IC62
IC31
IC33
IC29
IC32

CPU-183 (10/29)



CPU Board

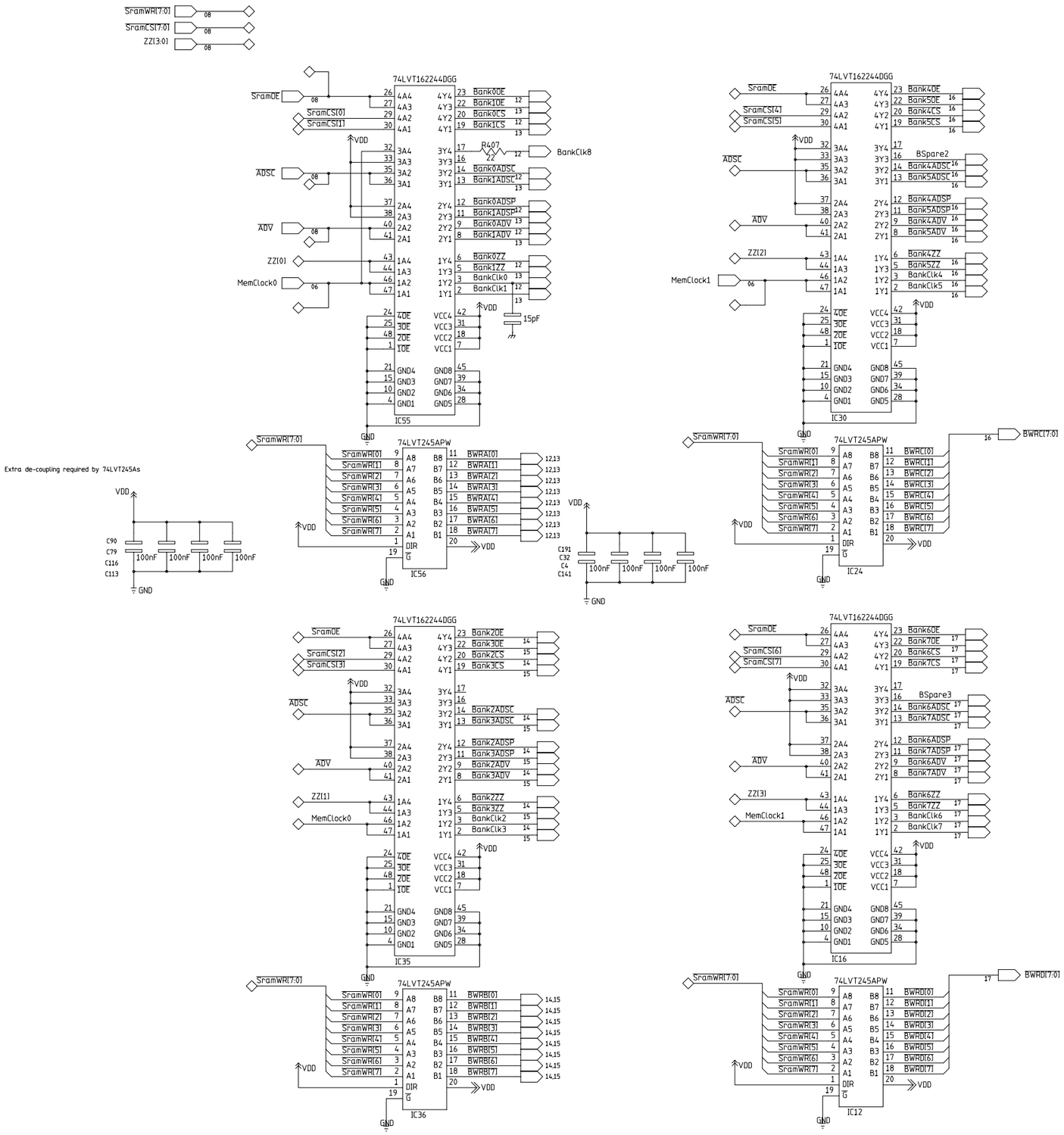
CPU-183 (10/29)

BOARD NO. 1-668-557-13

HDS-7000

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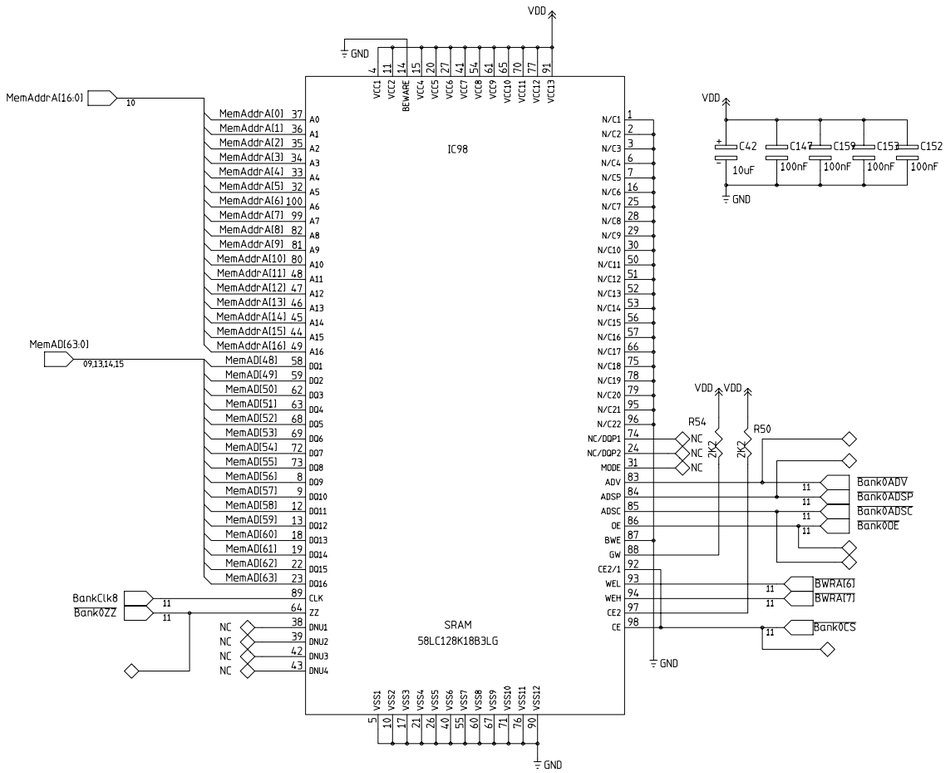
HDS-7000

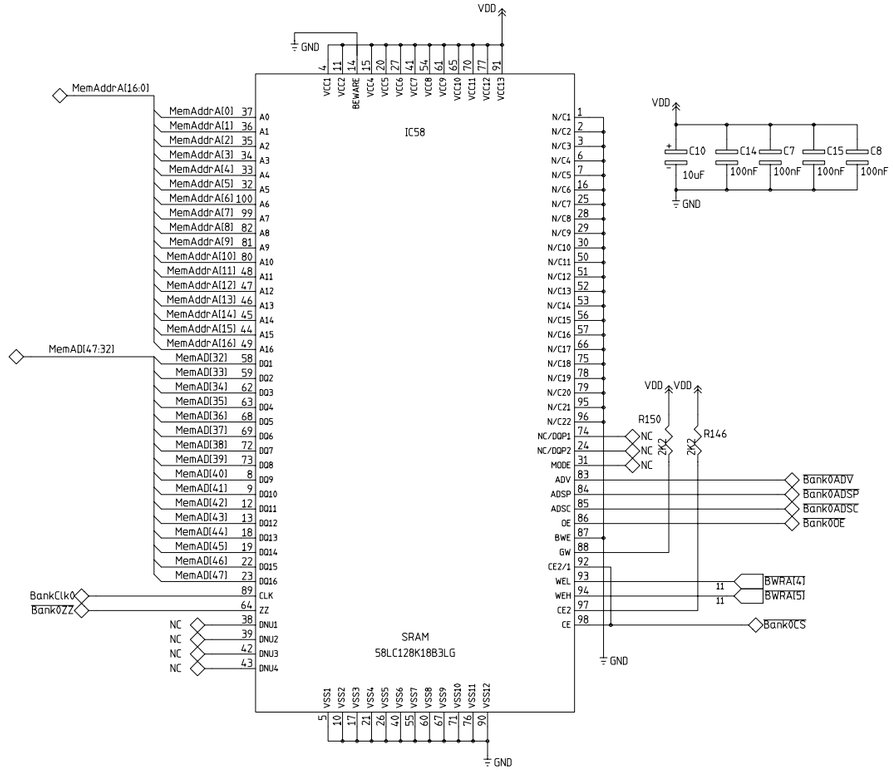


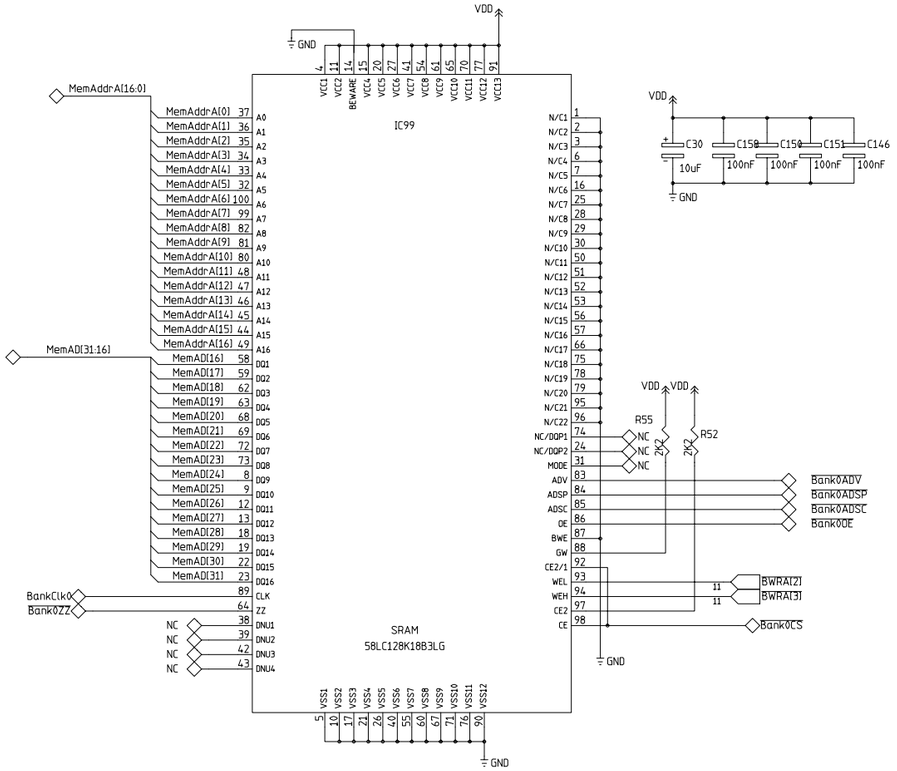
CPU Board
CPU-183 (11/29)
BOARD NO. 1-668-557-13

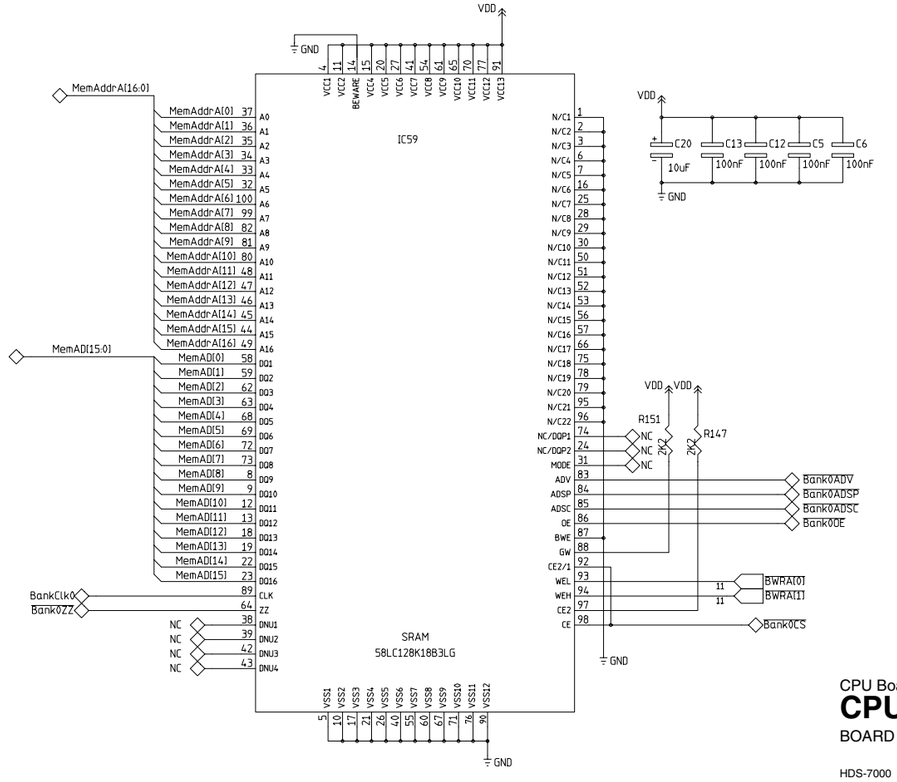
HDS-7000

CPU-183 (12/29)







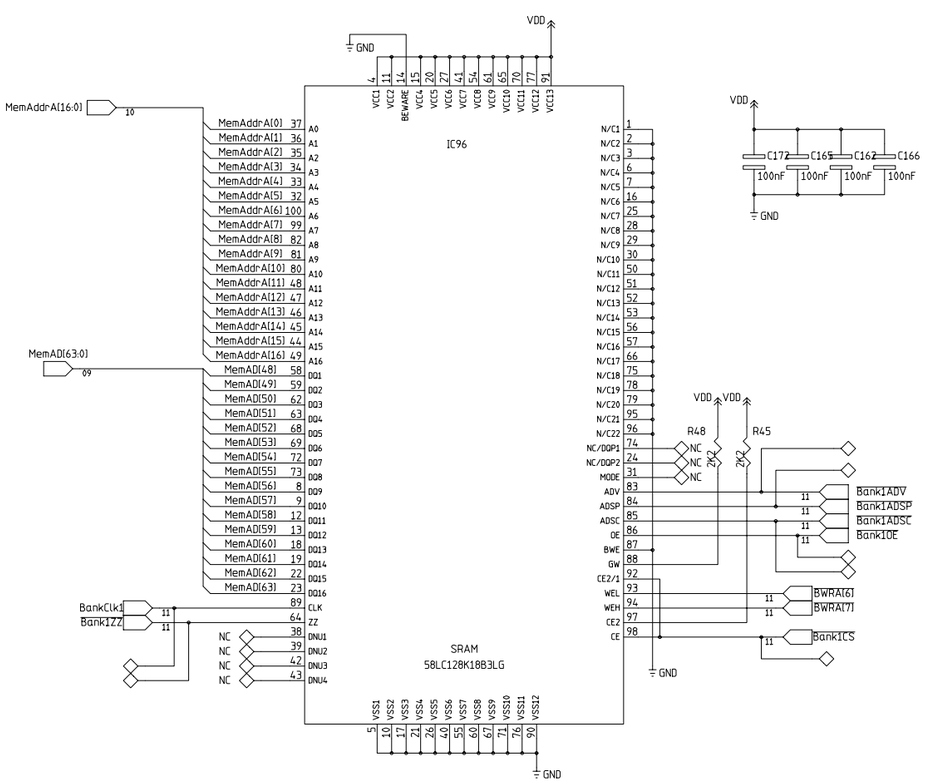


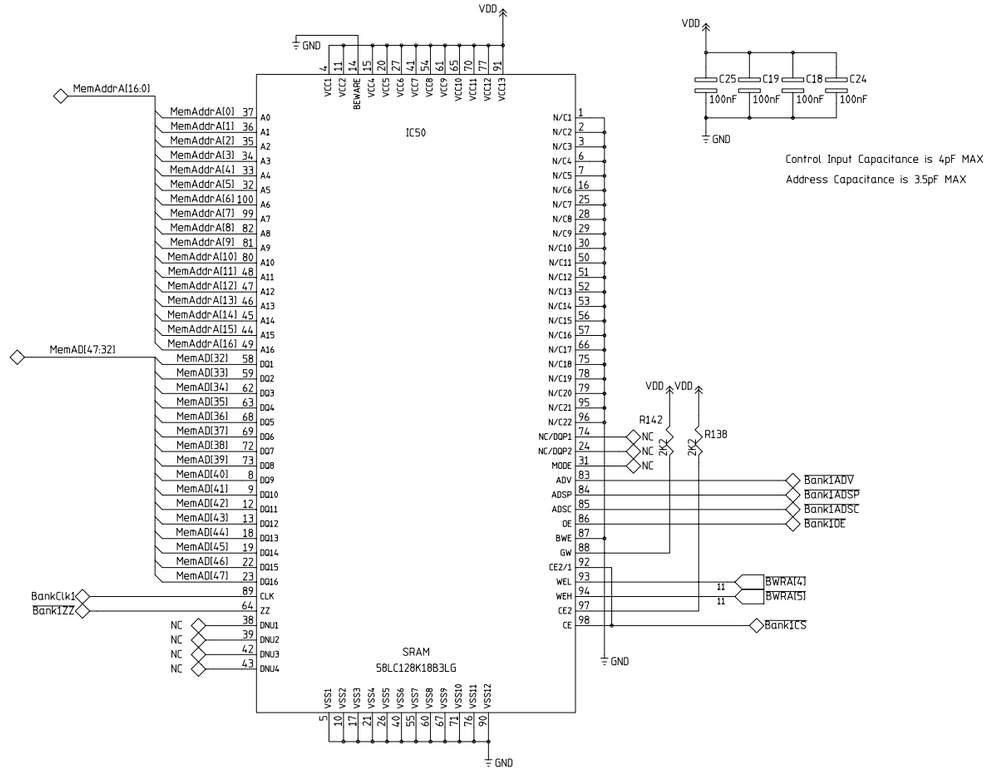
CPU Board
CPU-183 (12/29)
BOARD NO. 1-668-557-13

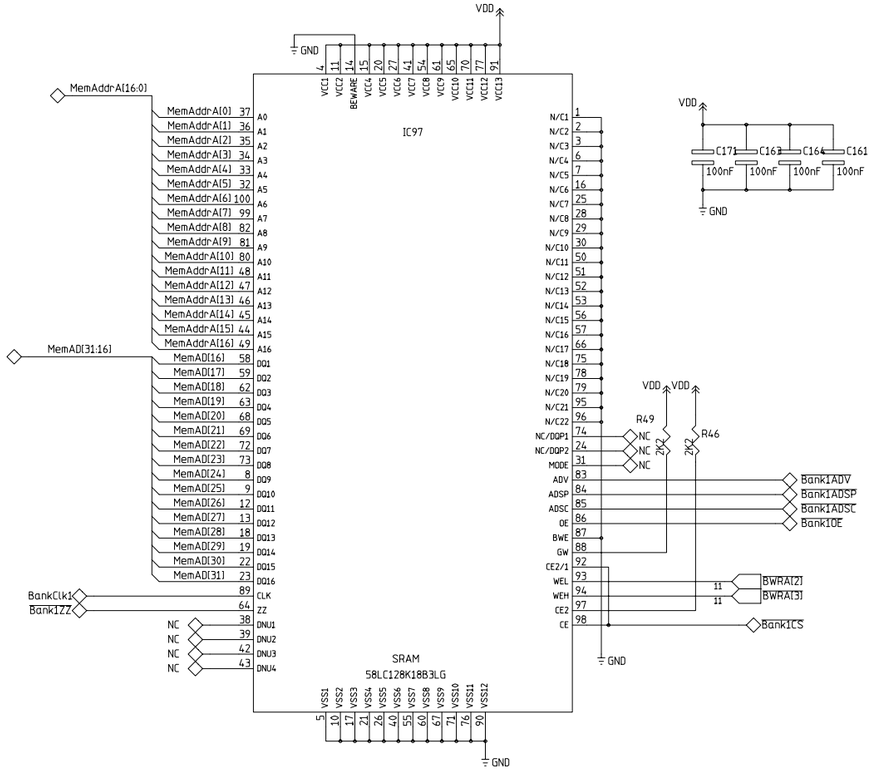
HDS-7000

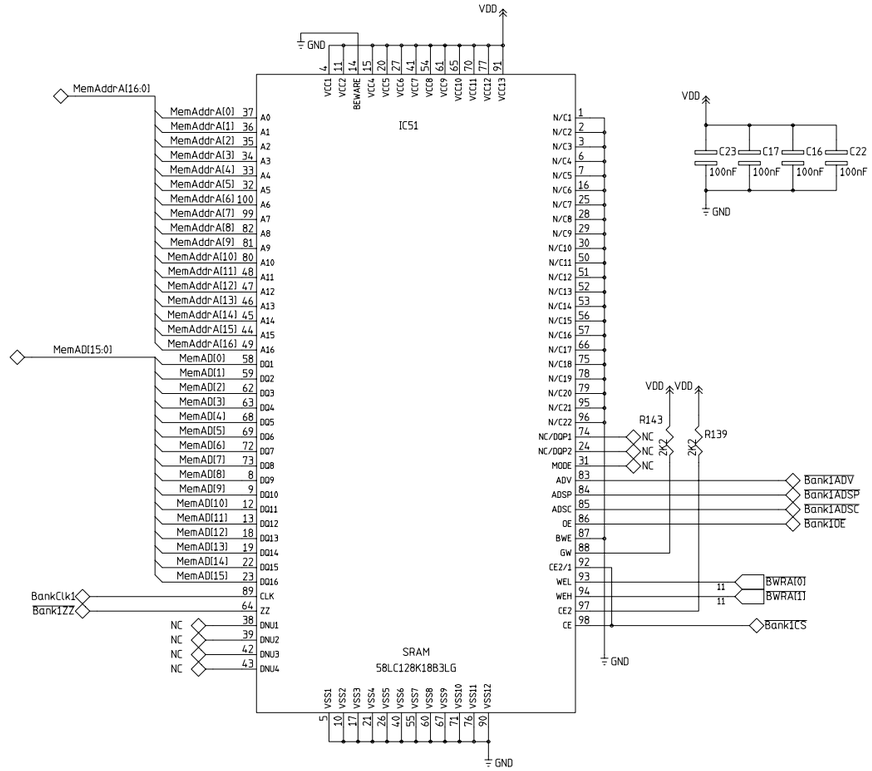
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HDS-7000

CPU-183 (13/29)





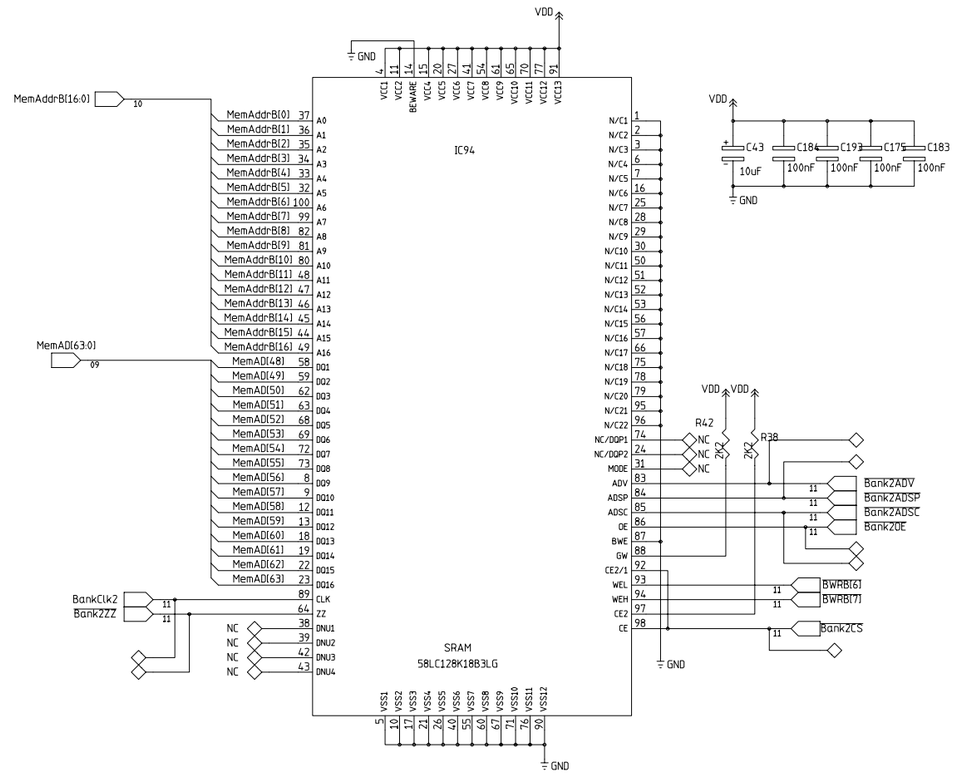


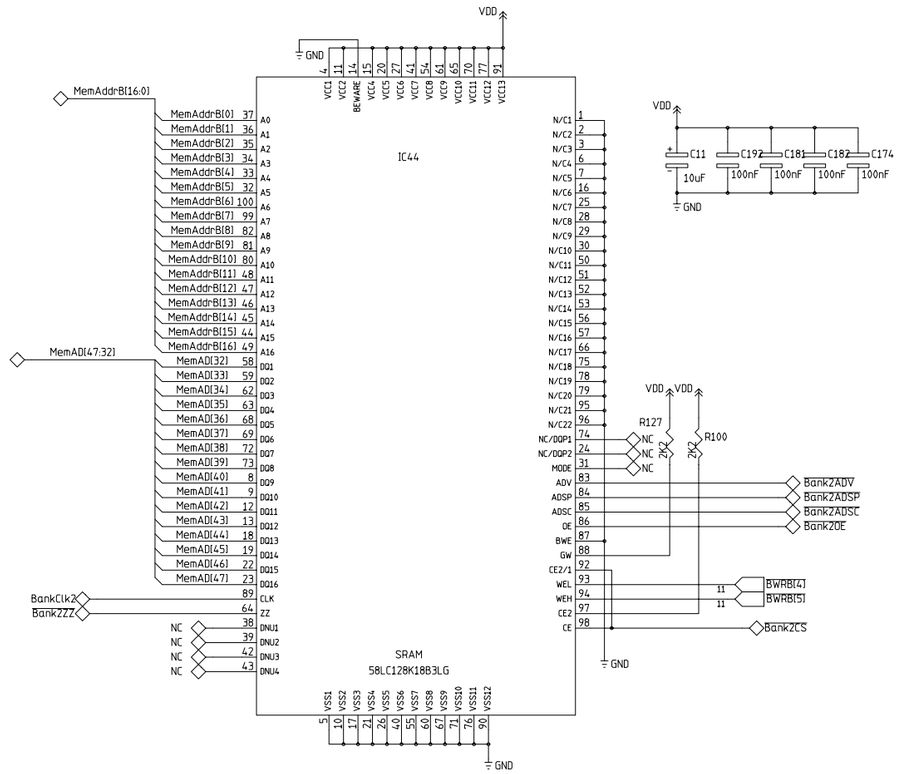


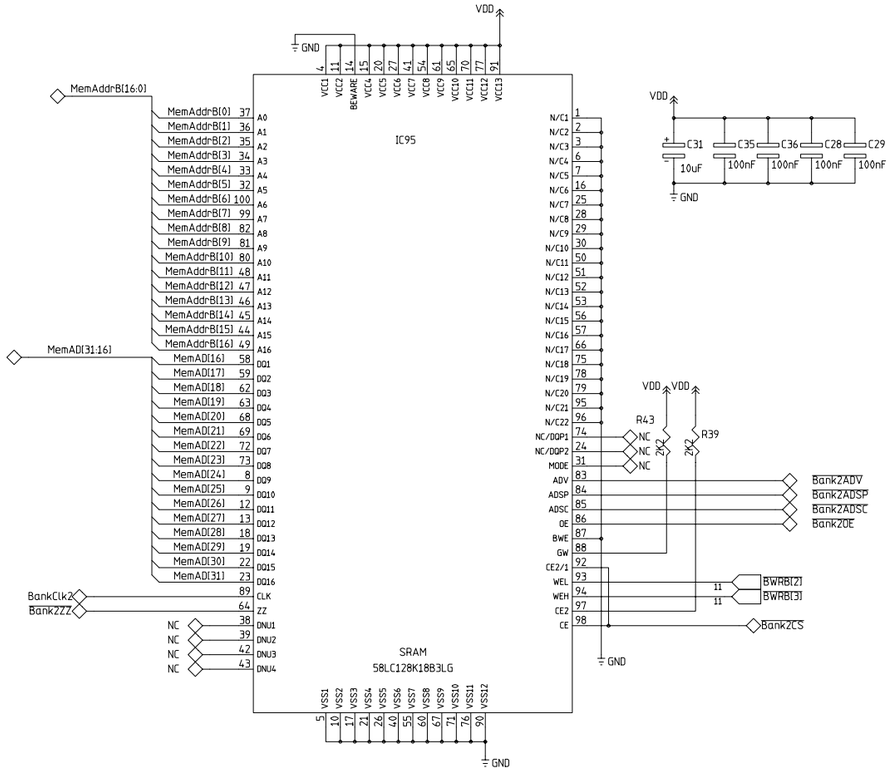
CPU Board
CPU-183 (13/29)
BOARD NO. 1-668-557-13

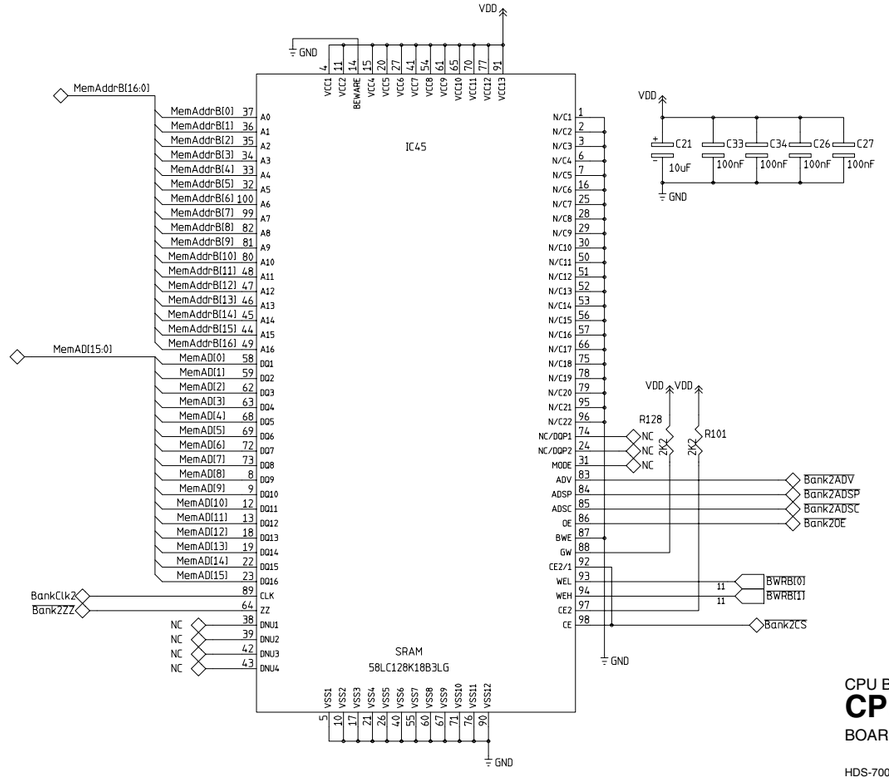
HDS-7000

CPU-183 (14/29)





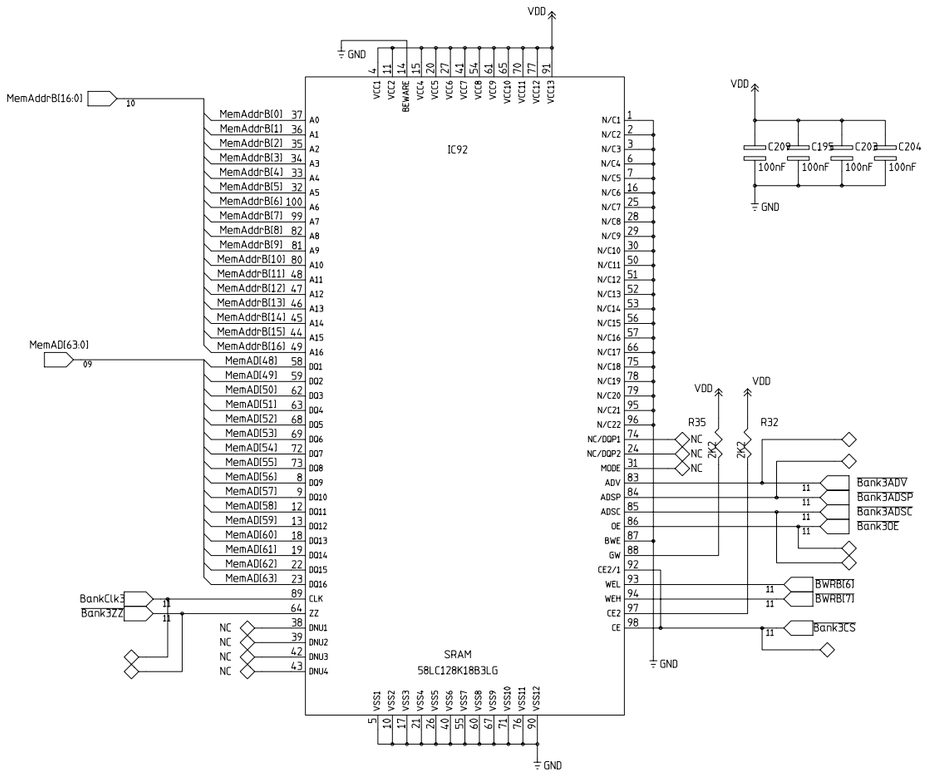


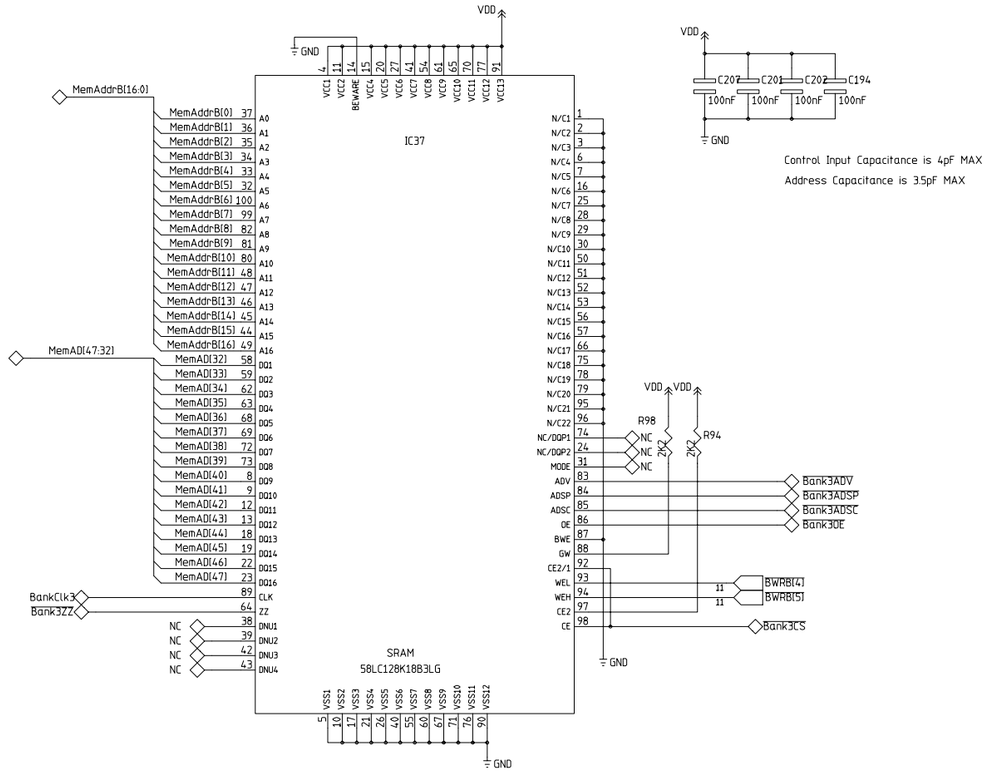


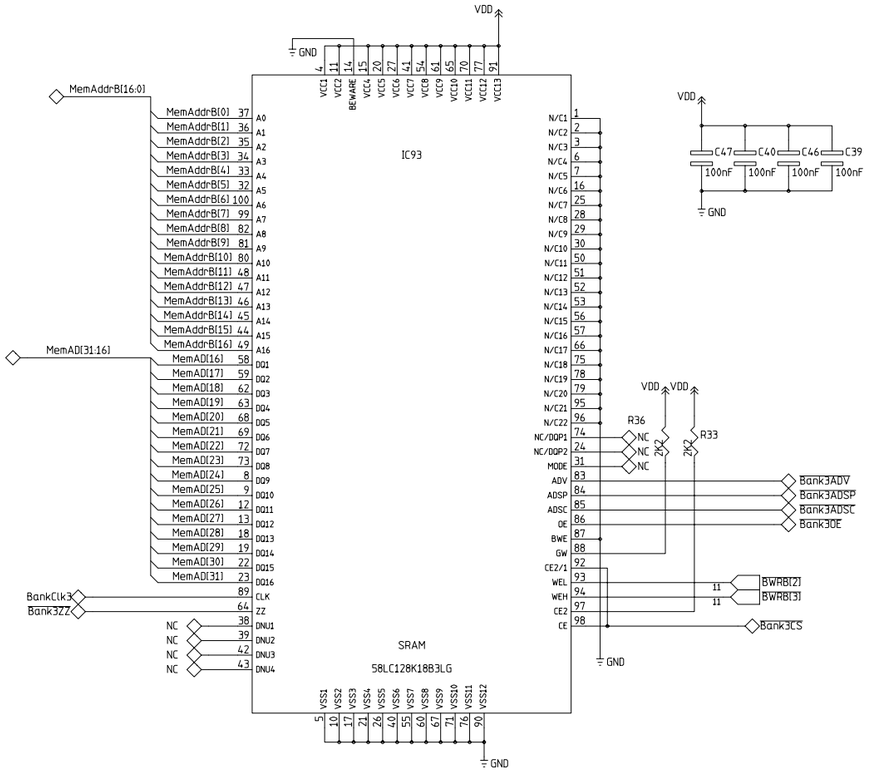
CPU Board
CPU-183 (14/29)
BOARD NO. 1-668-557-13

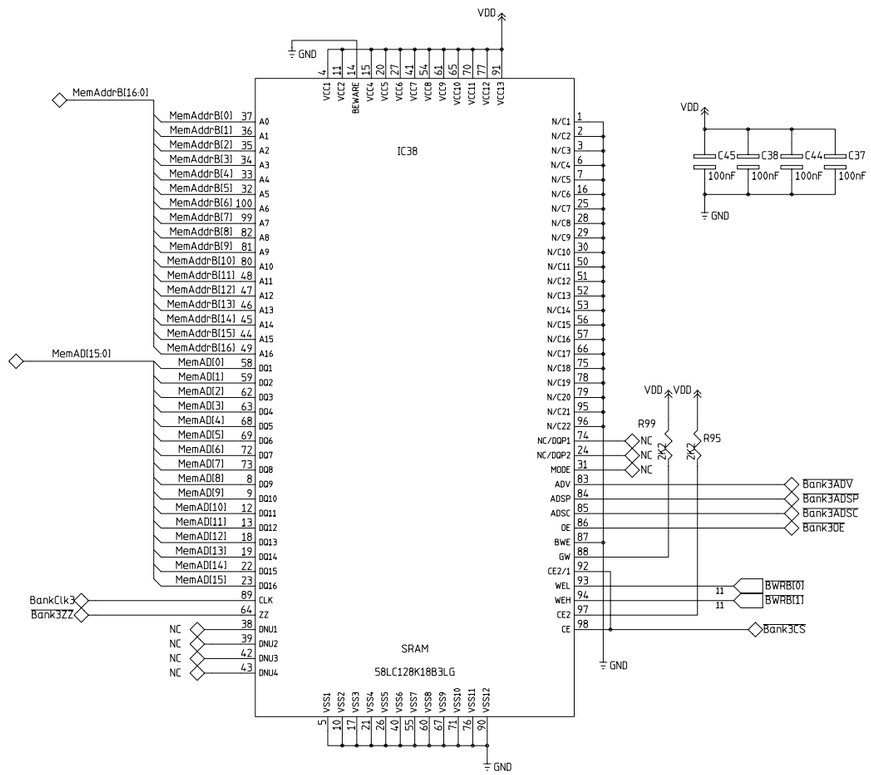
HDS-7000

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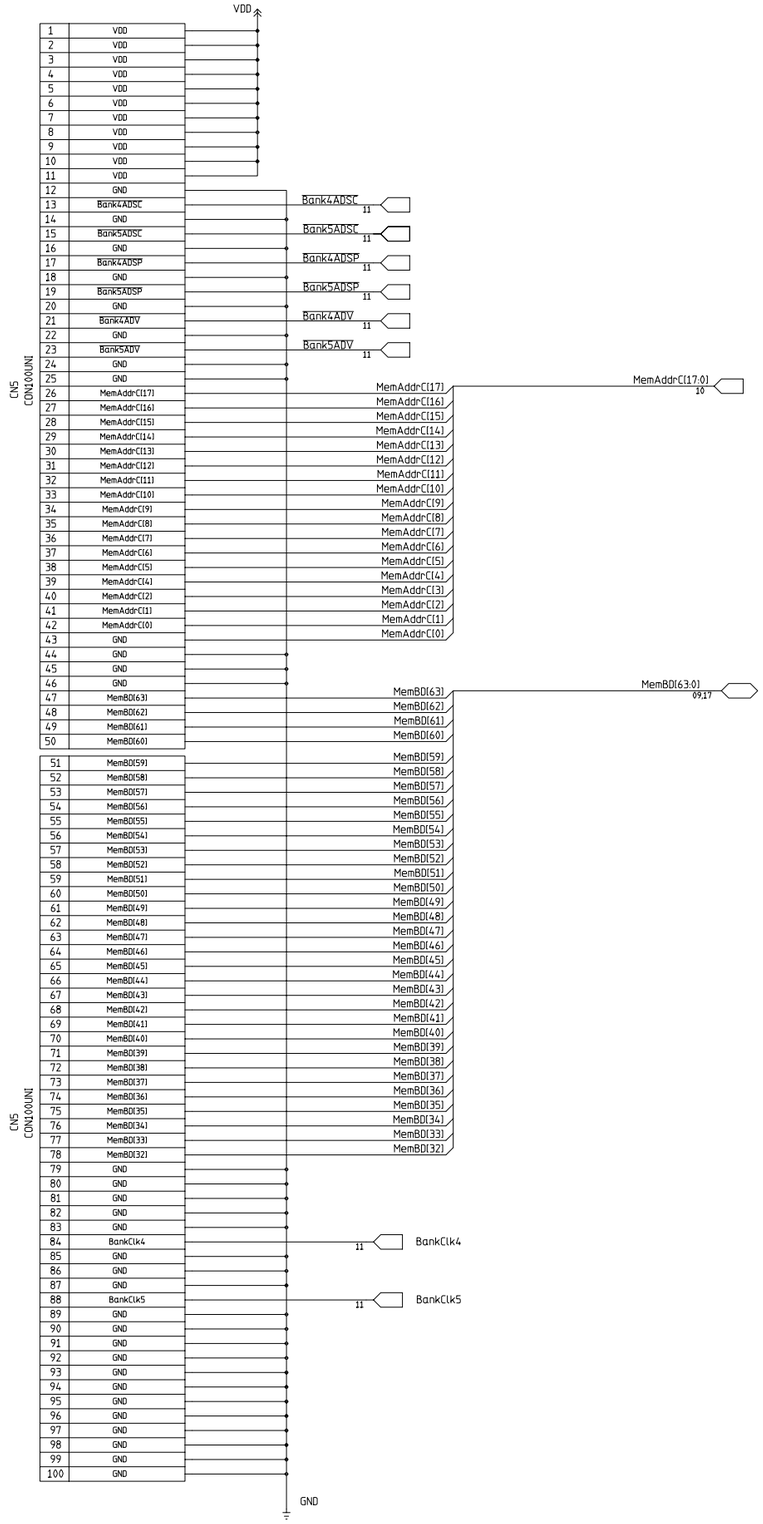


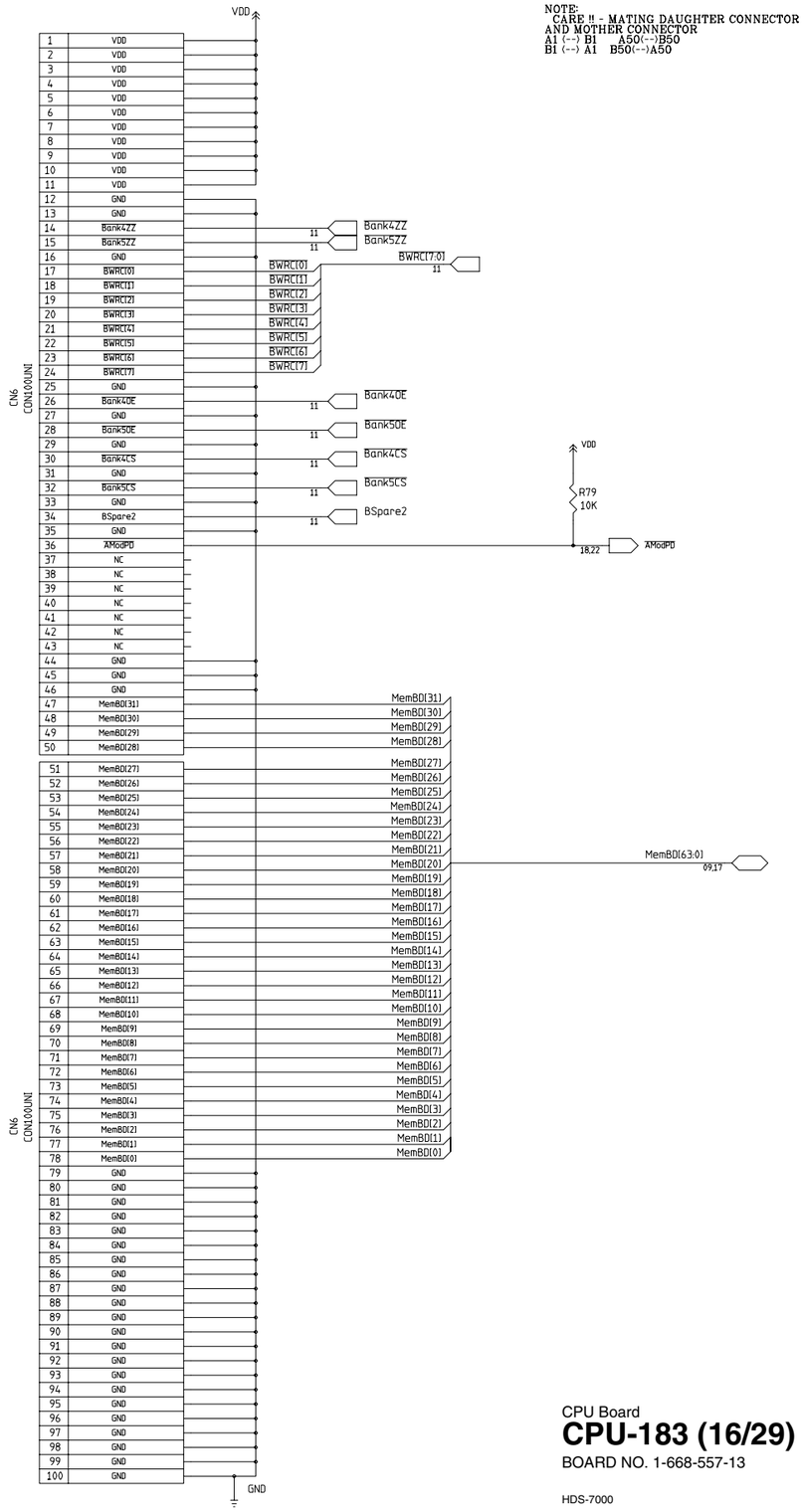


CPU Board
CPU-183 (15/29)
BOARD NO. 1-668-557-13

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CPU-183 (16/29)



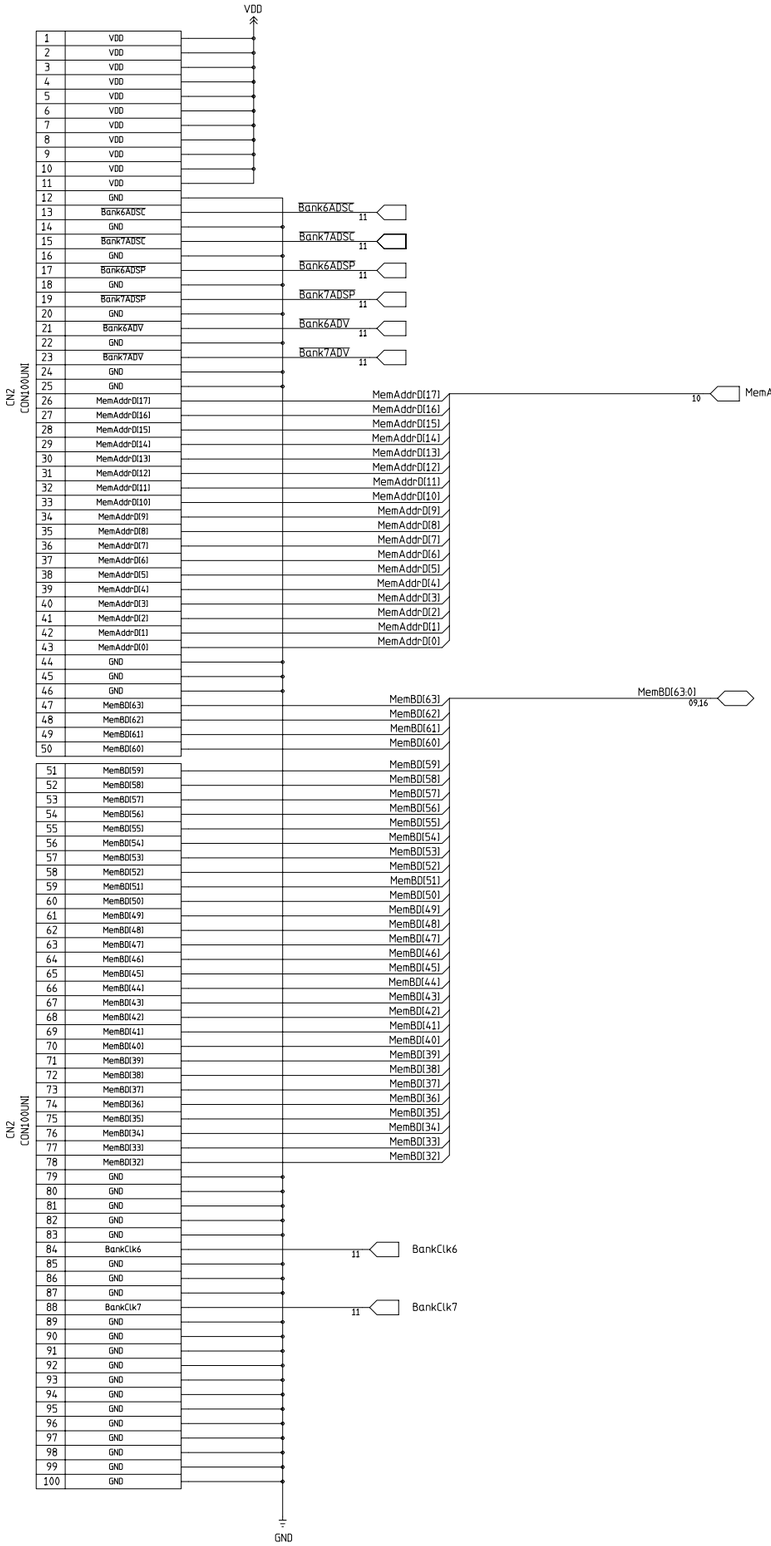


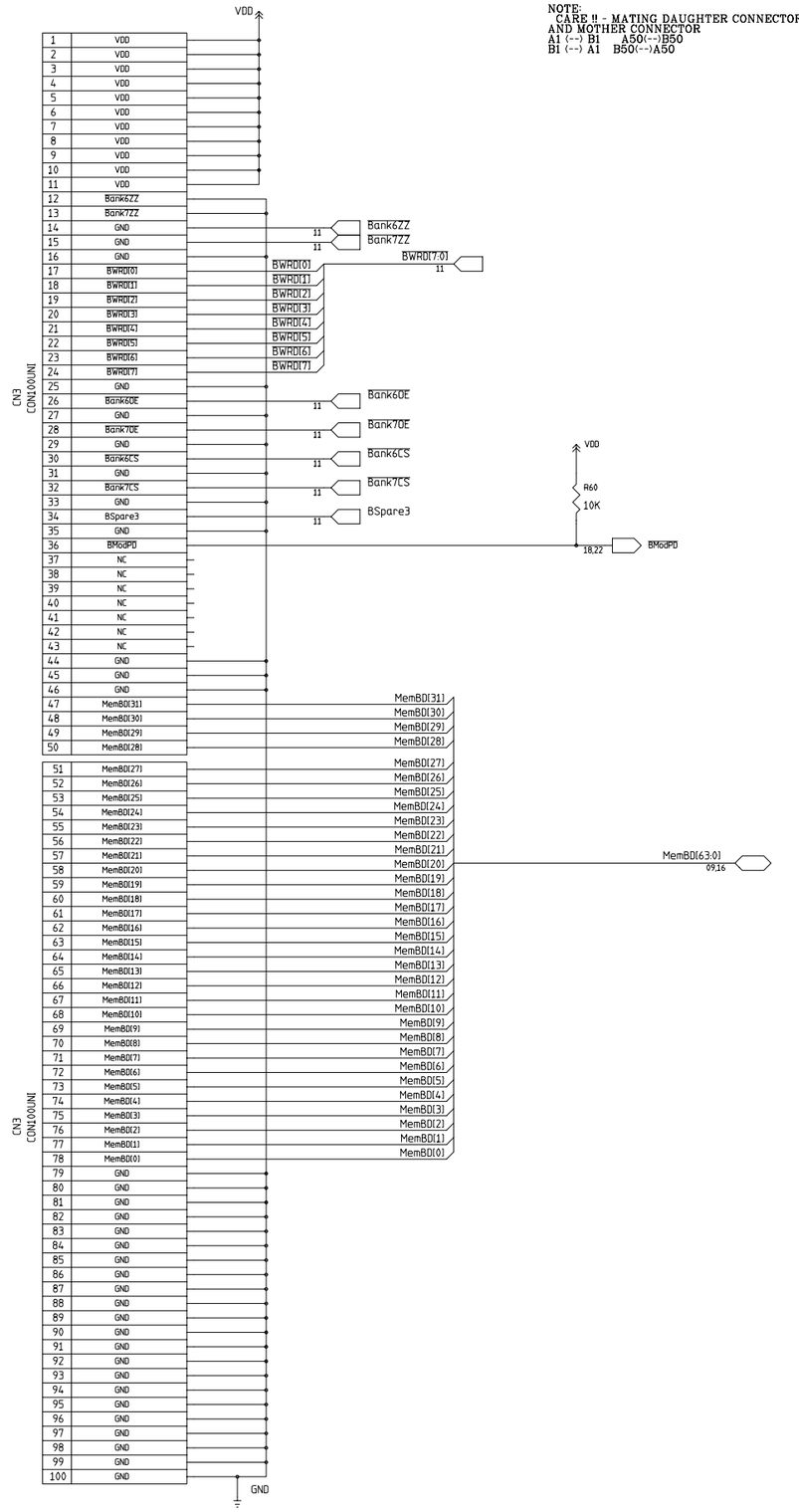
CPU Board
CPU-183 (16/29)
BOARD NO. 1-668-557-13

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HDS-7000

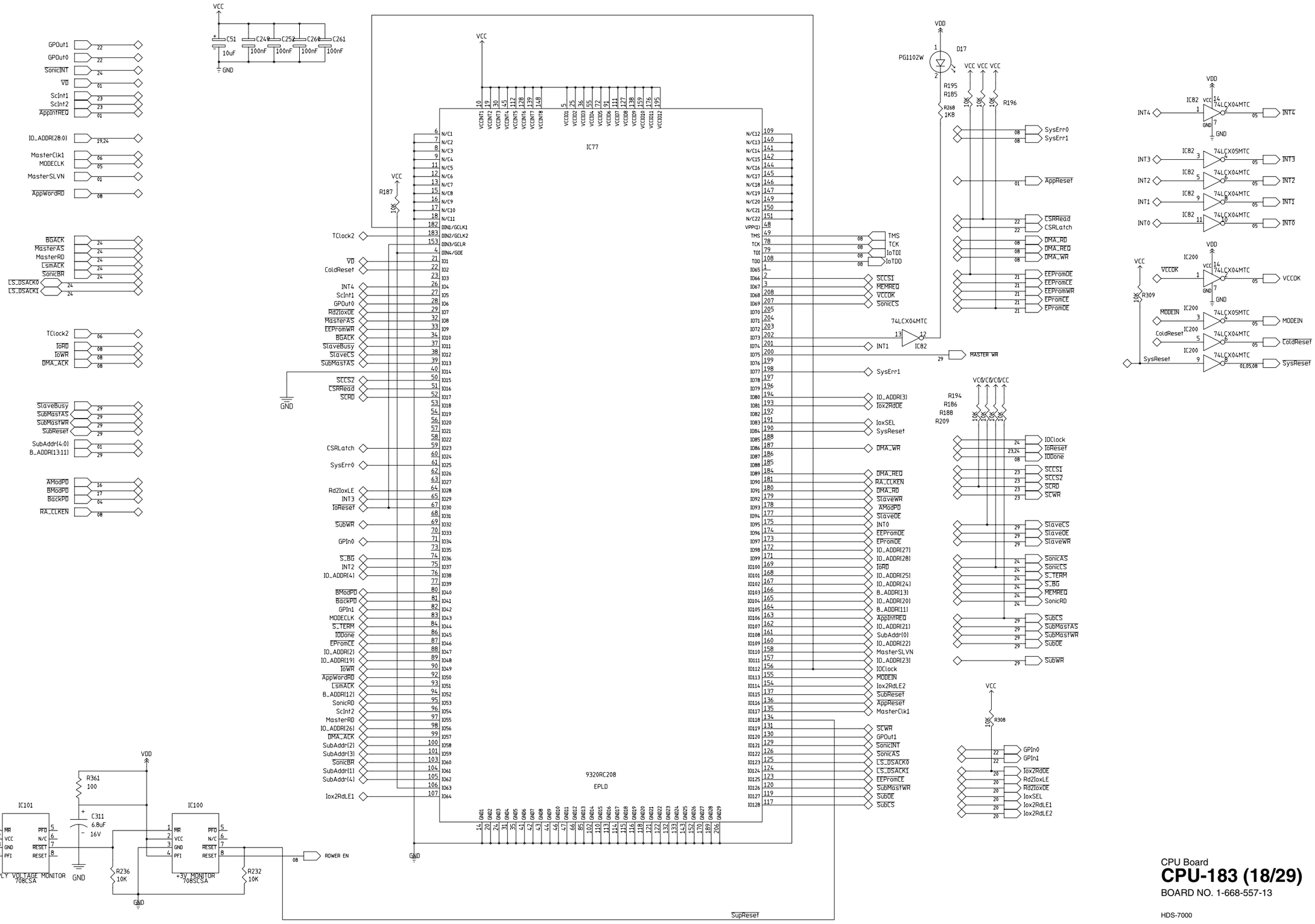
CPU-183 (17/29)





CPU Board
CPU-183 (17/29)
BOARD NO. 1-668-557-13

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CPU Board

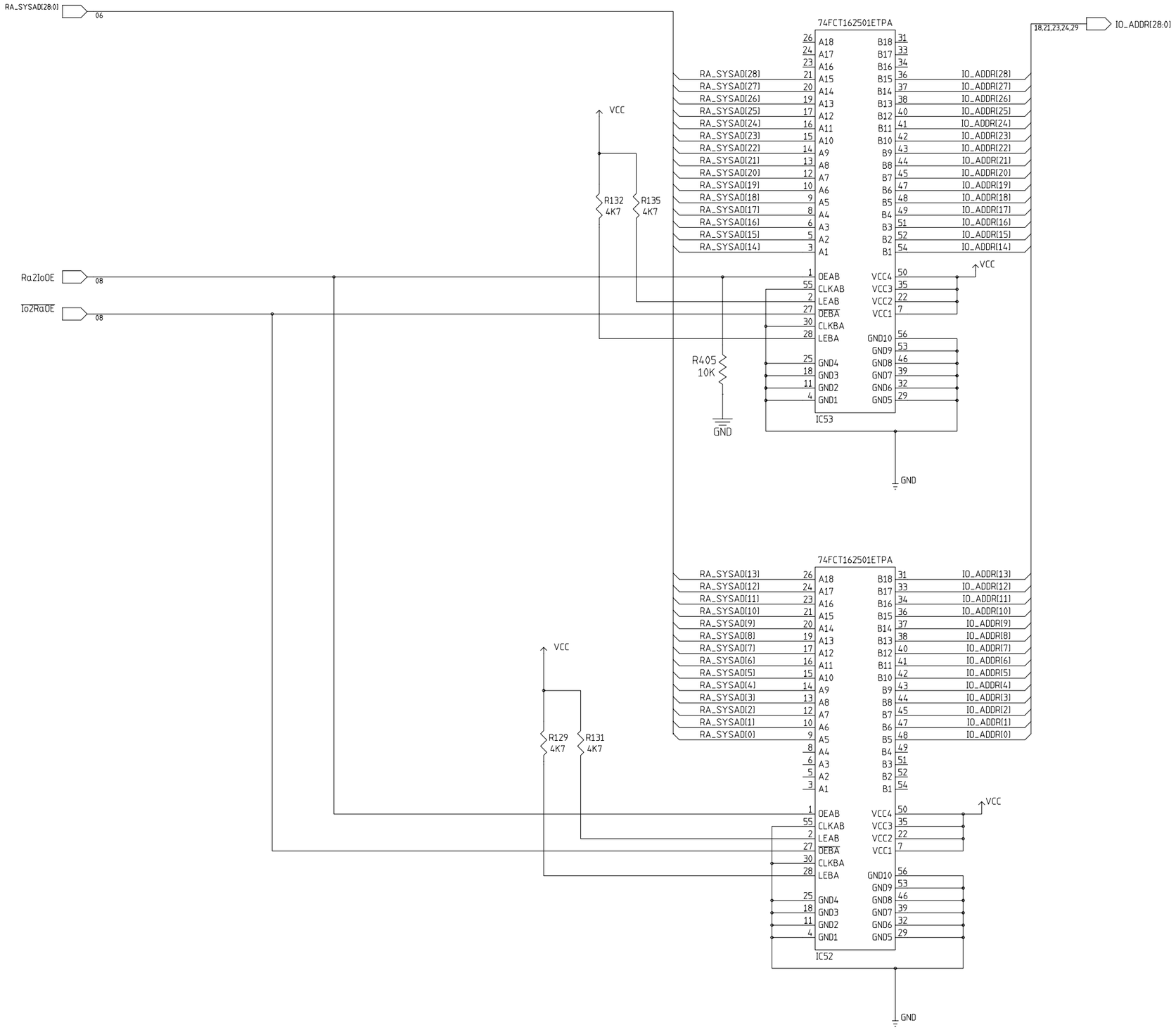
CPU-183 (18/29)

BOARD NO. 1-668-557-13

HDS-7000

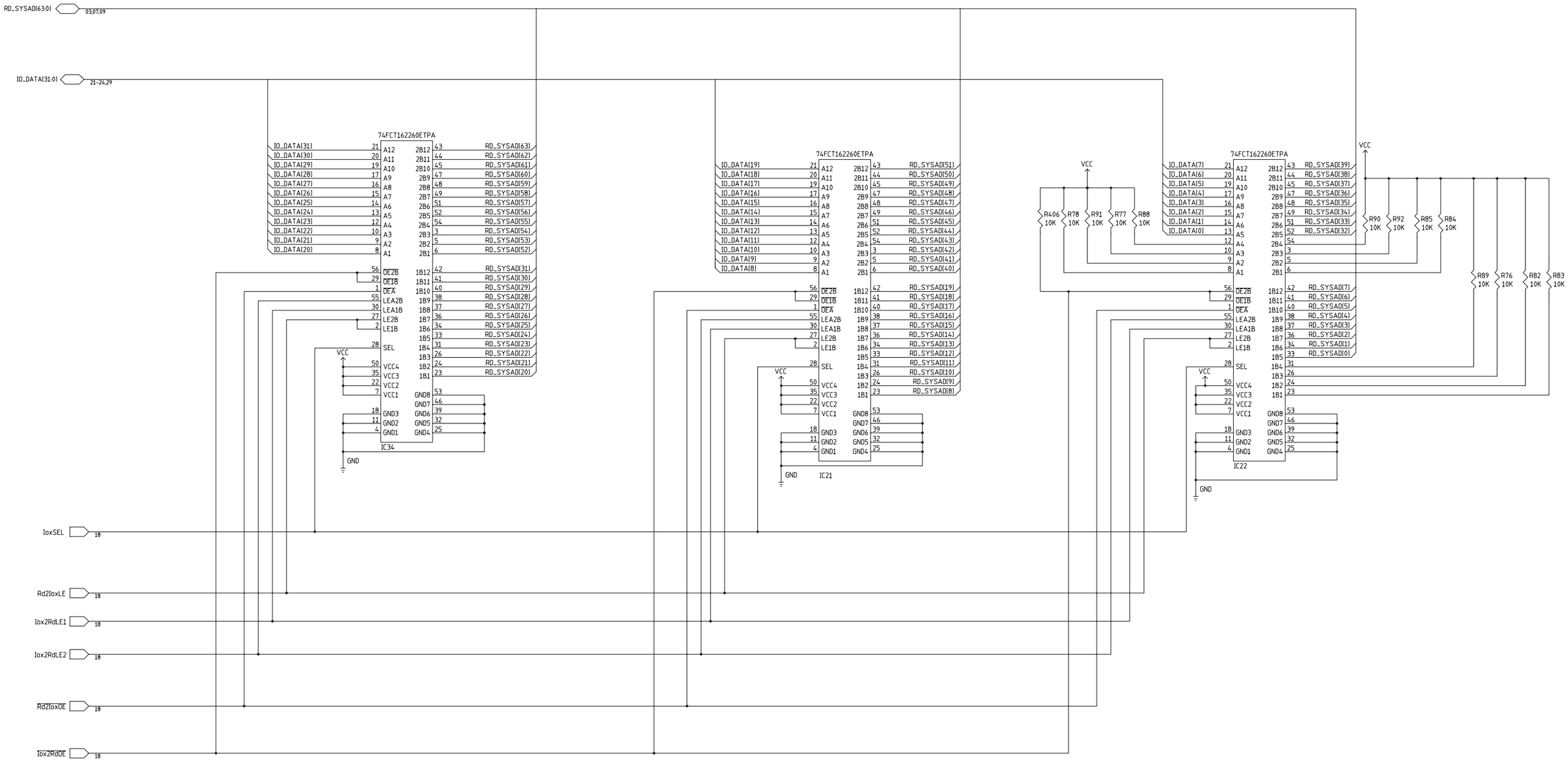
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CPU-183 (19/29)



CPU Board
CPU-183 (19/29)
BOARD NO. 1-668-557-13

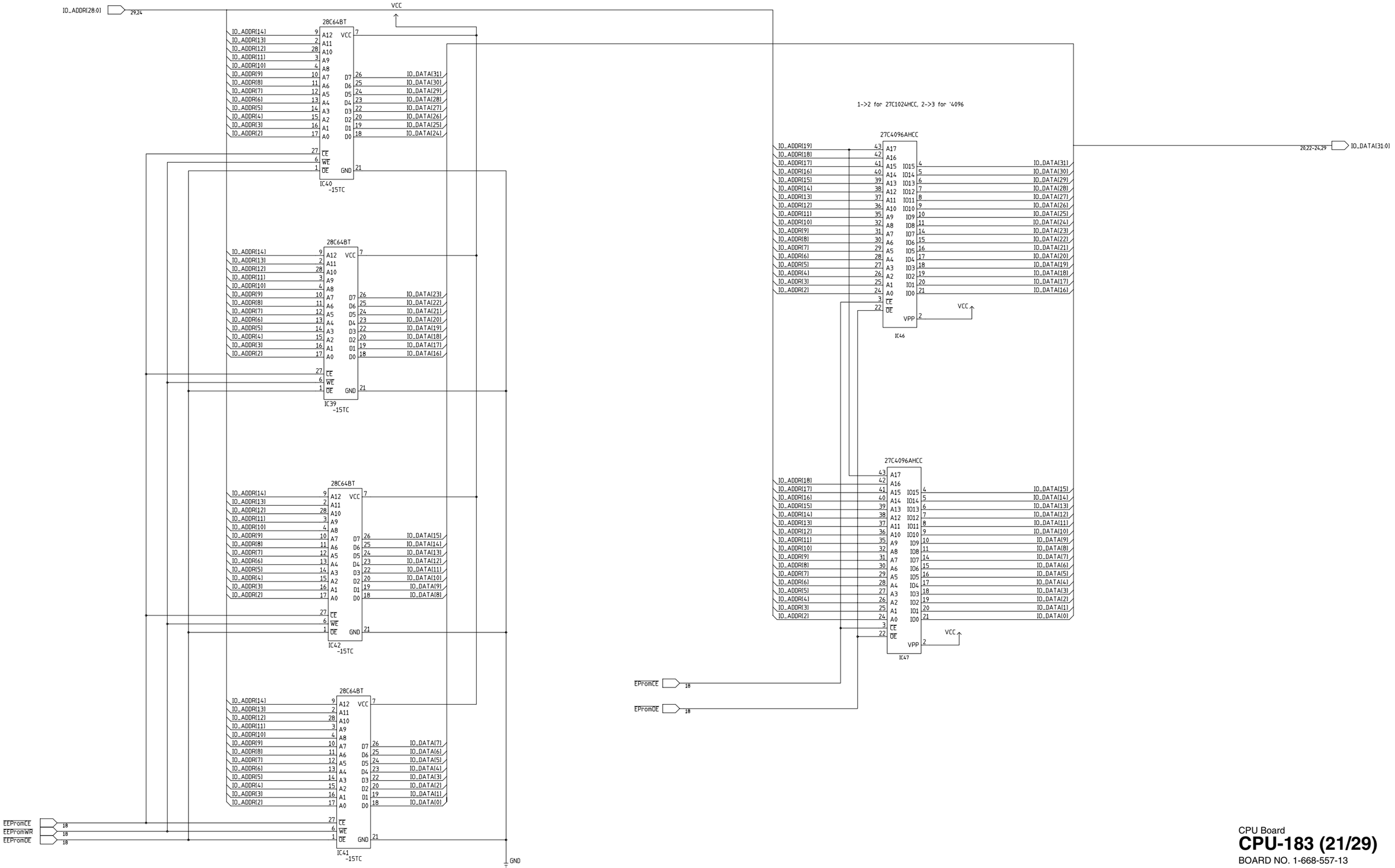
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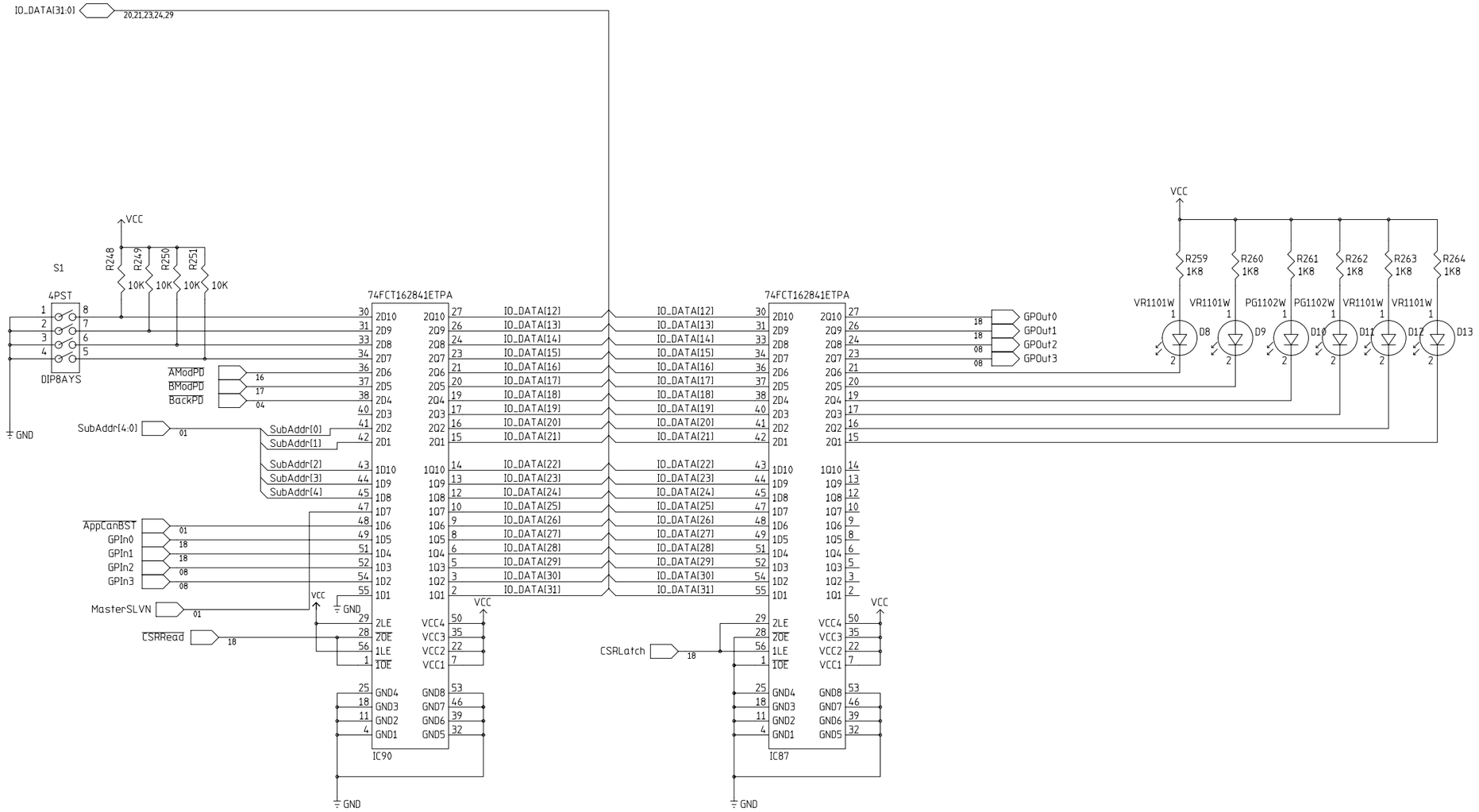
CPU Board
CPU-183 (20/29)
BOARD NO. 1-668-557-13

HDS-7000

CPU-183 (21/29)



CPU Board
CPU-183 (21/29)
BOARD NO. 1-668-557-13



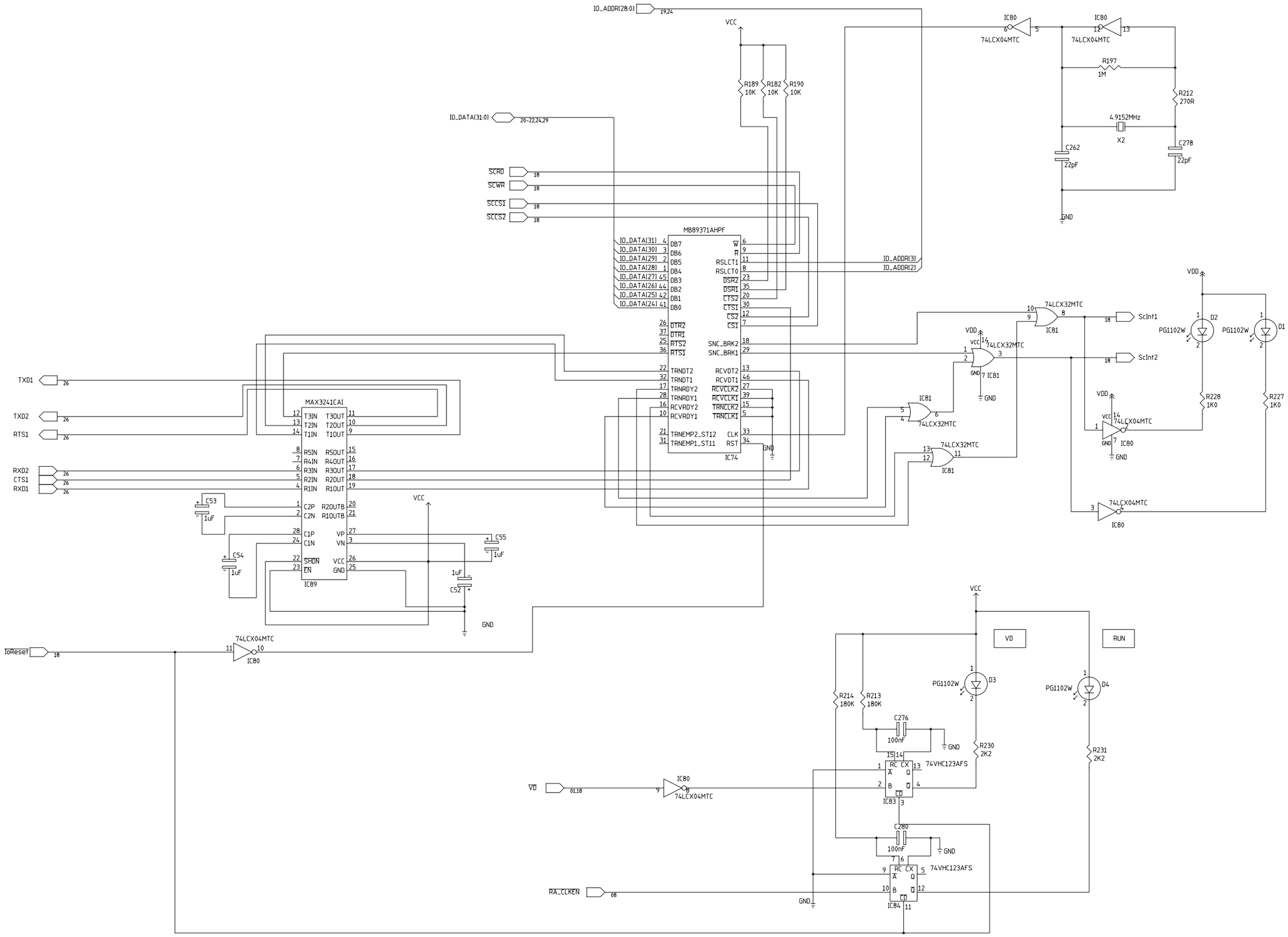
CPU Board

CPU-183 (22/29)

BOARD NO. 1-668-557-13

HDS-7000

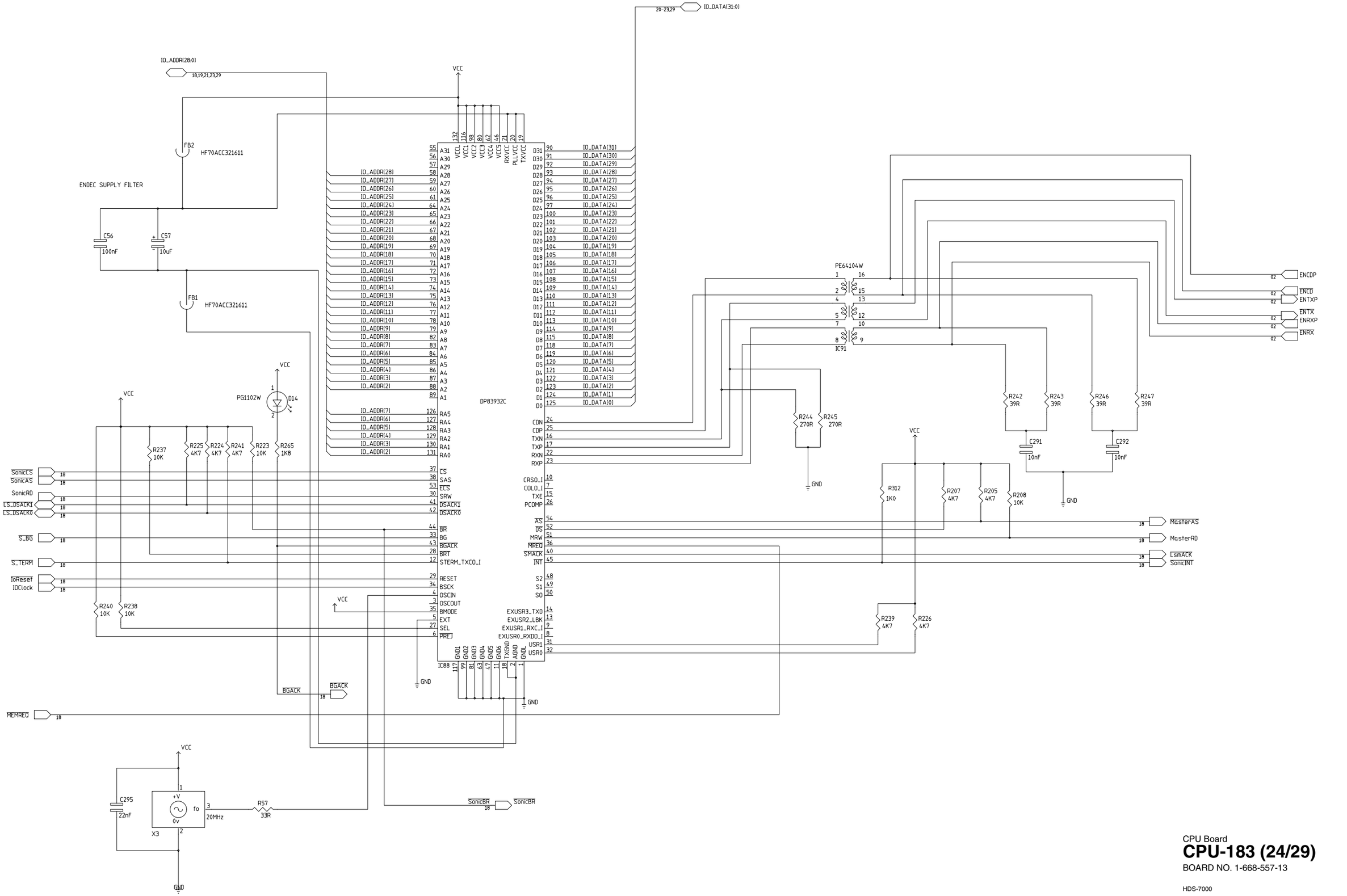
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CPU Board
CPU-183 (23/29)
BOARD NO. 1-668-557-13

HDS-7000

CPU-183 (24/29)



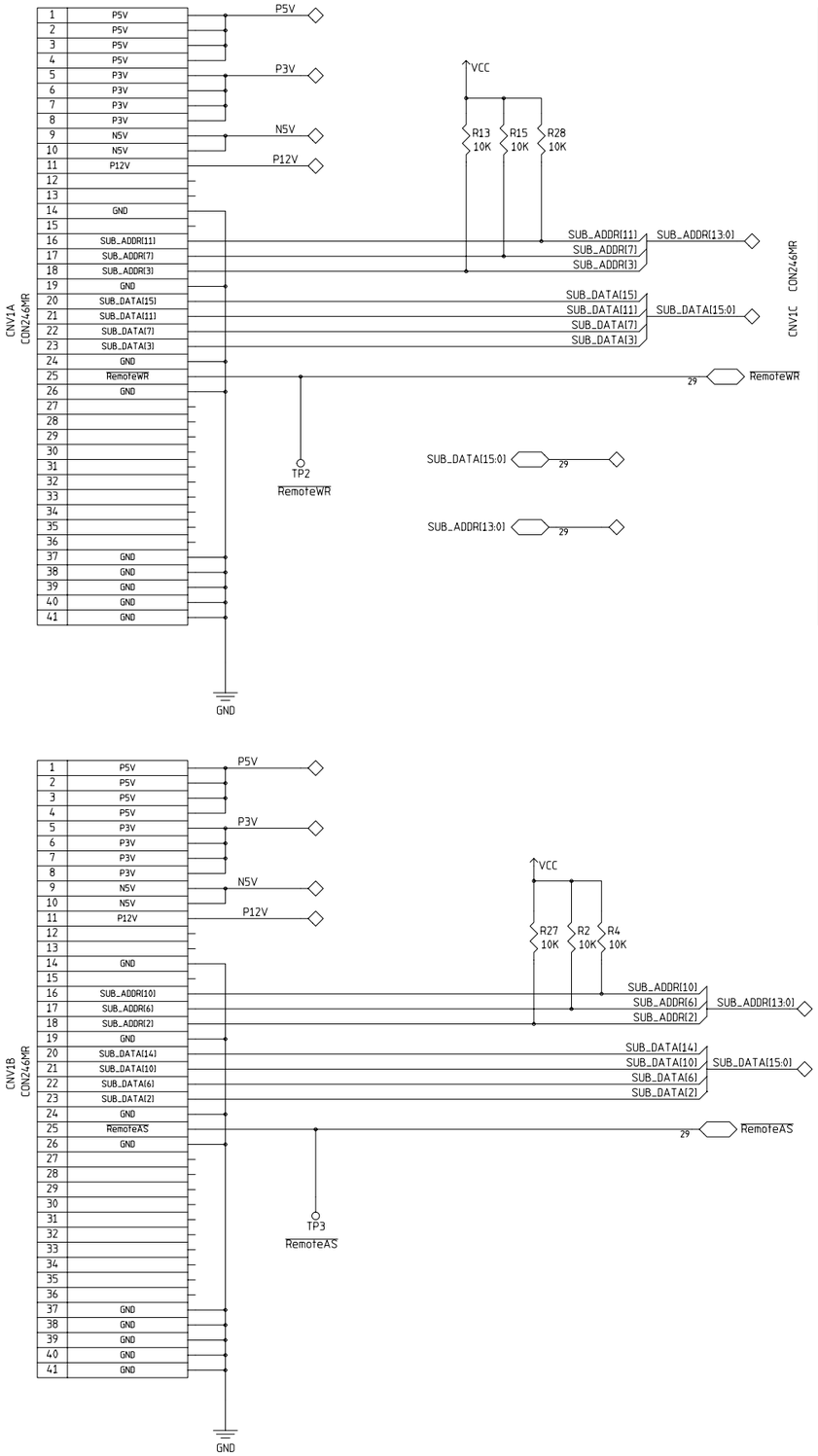
CPU Board
CPU-183 (24/29)
BOARD NO. 1-668-557-13

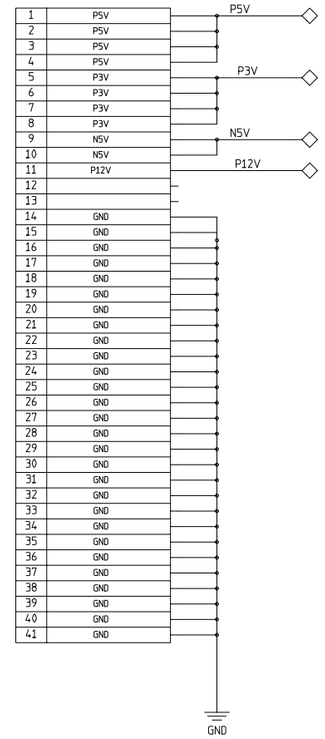
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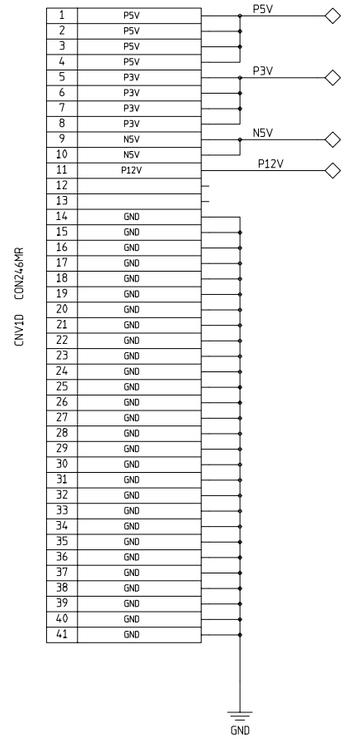
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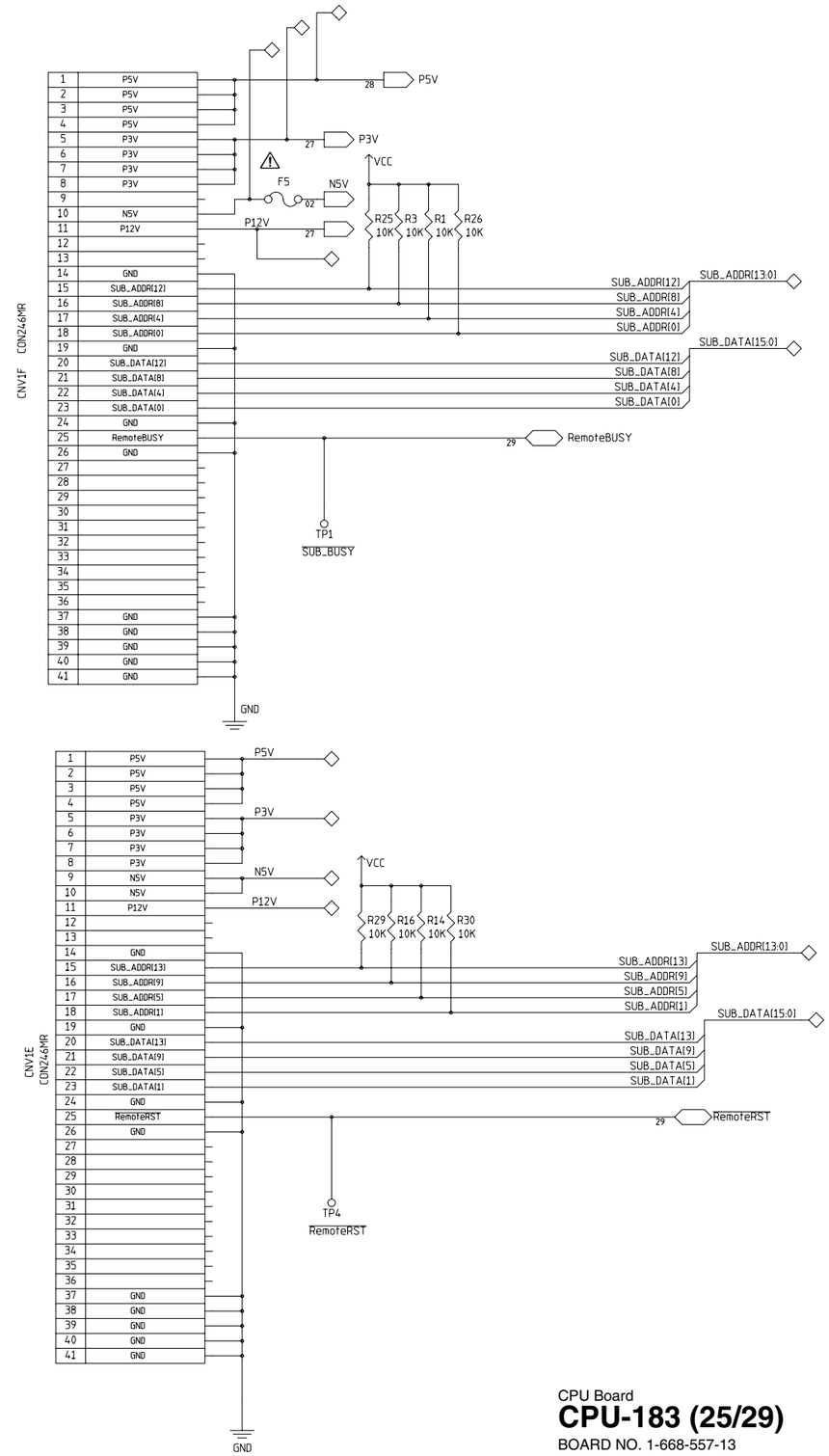
HDS-7000

CPU-183 (25/29)









NOTE:

POWER P5V, N5V AND P3V ROUTED TO 2X100 EDGE CONNECTORS FOR APP BOARD

P12V ROUTED TO SONIC DEBUG CONNECTOR

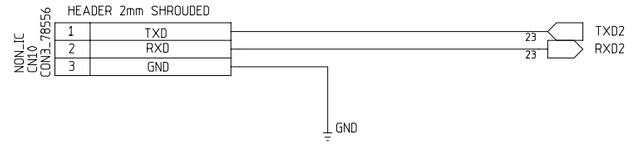
CPU Board

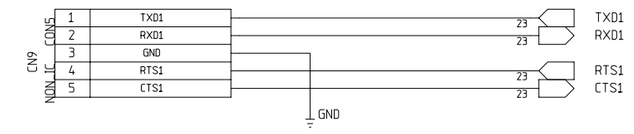
CPU-183 (25/29)

BOARD NO. 1-668-557-13

HDS-7000

CPU-183 (26/29)





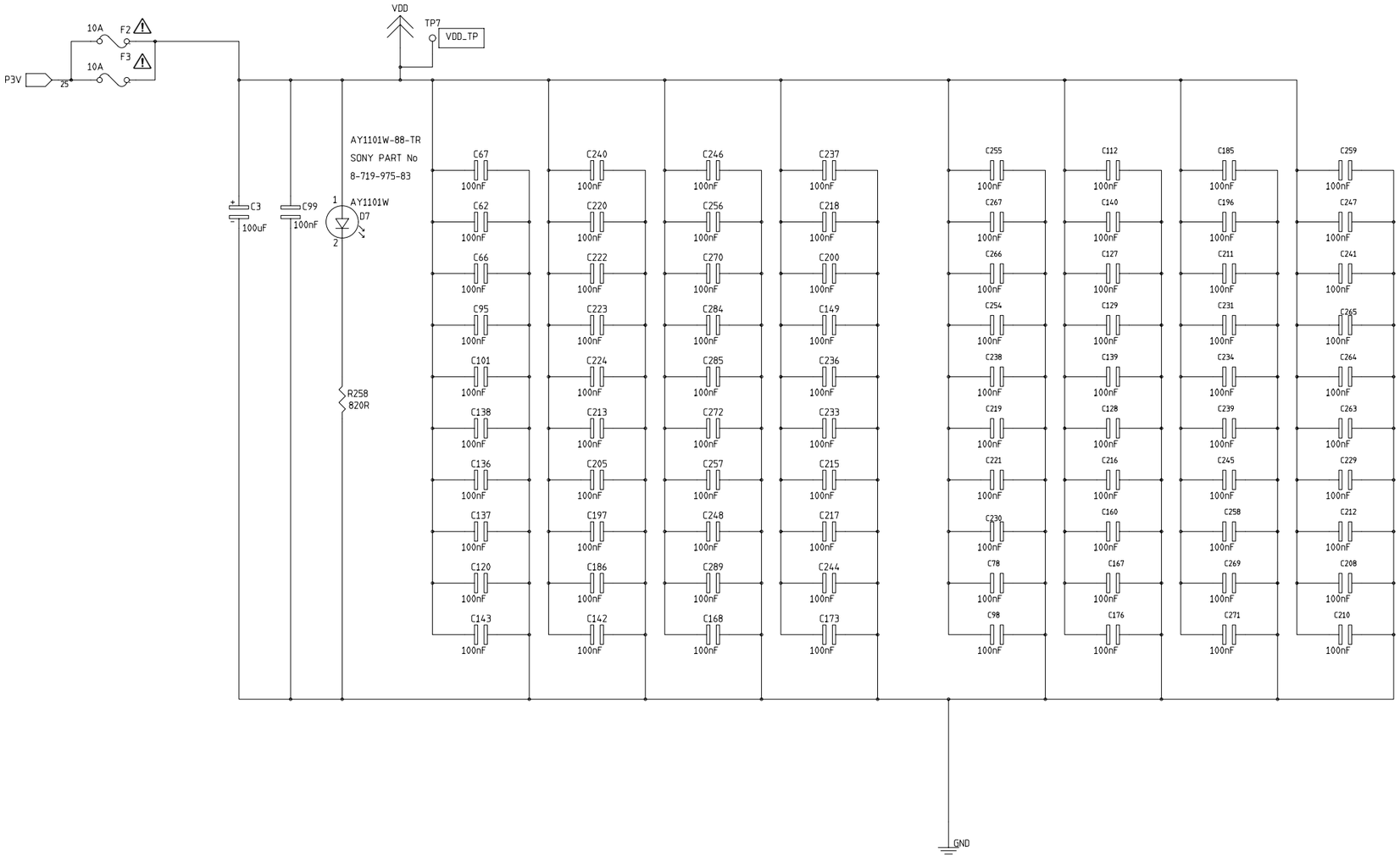
CPU Board
CPU-183 (26/29)
BOARD NO. 1-668-557-13

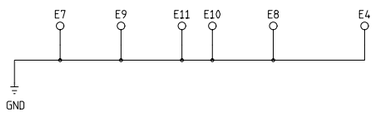
HDS-7000

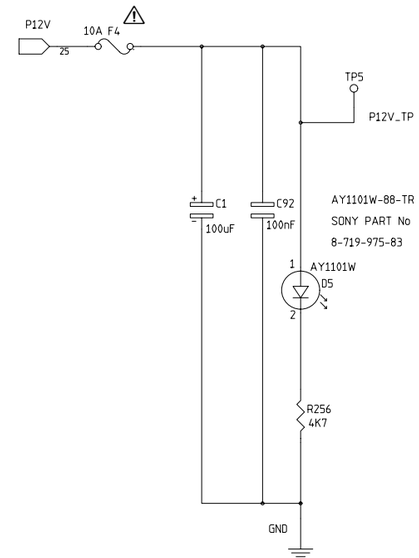
HDS-7000

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Processor 1.5A (typical)
SRAM 200mA x 16 onboard, x 2 in total - 6.6 Amps !!!



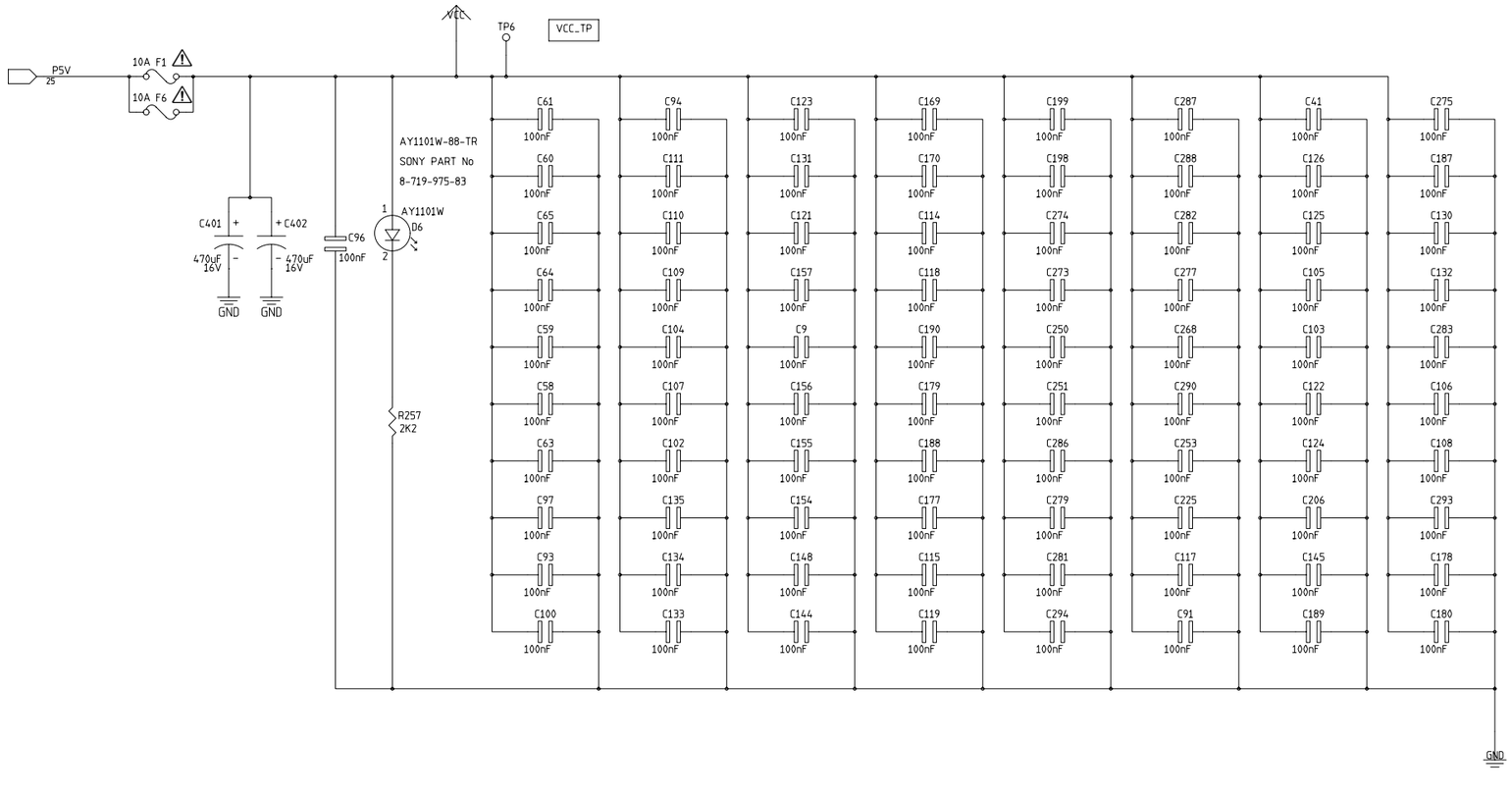




CPU Board
CPU-183 (27/29)
BOARD NO. 1-668-557-13

HDS-7000

CPU-183 (28/29)



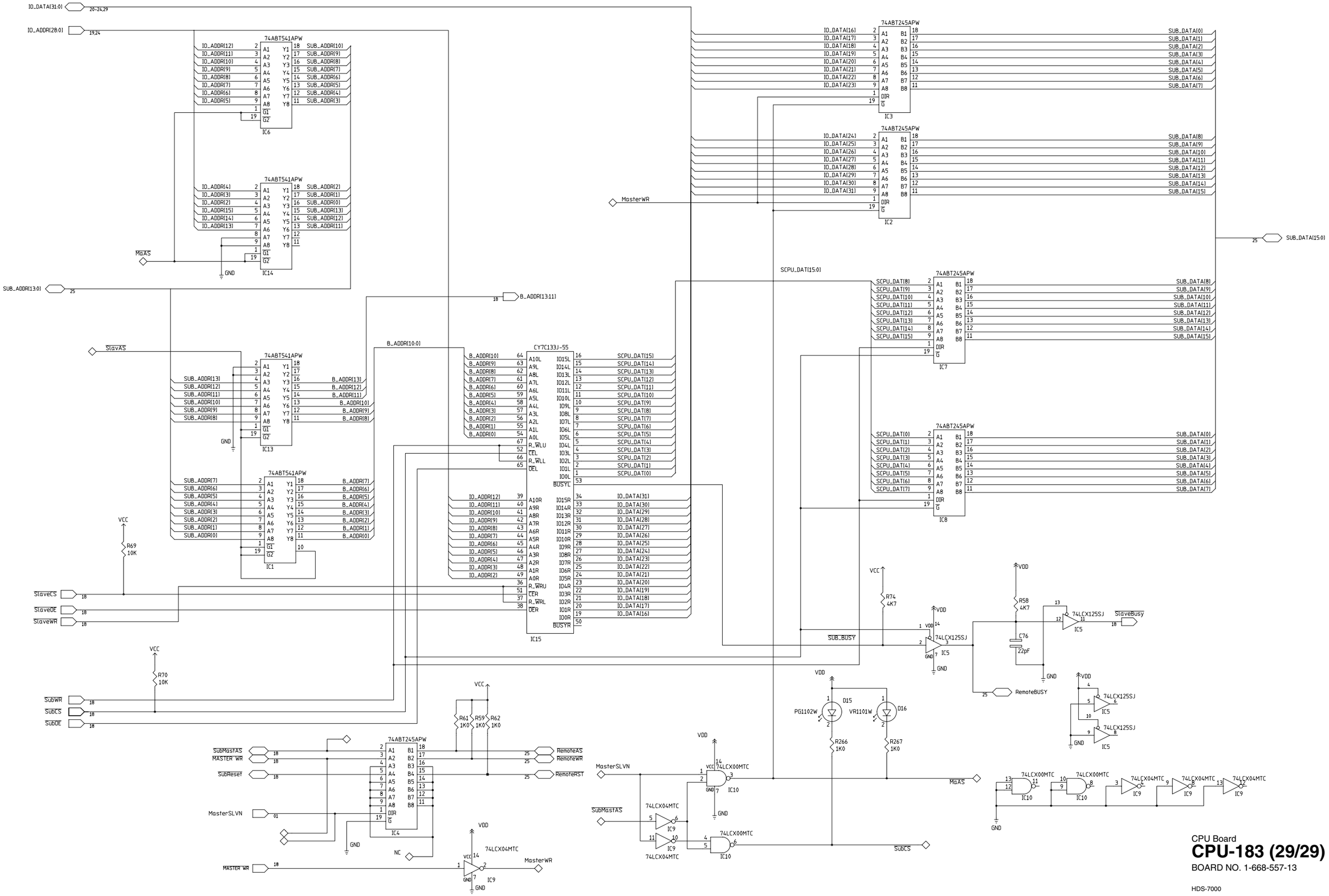
CPU Board
CPU-183 (28/29)
BOARD NO. 1-668-557-13

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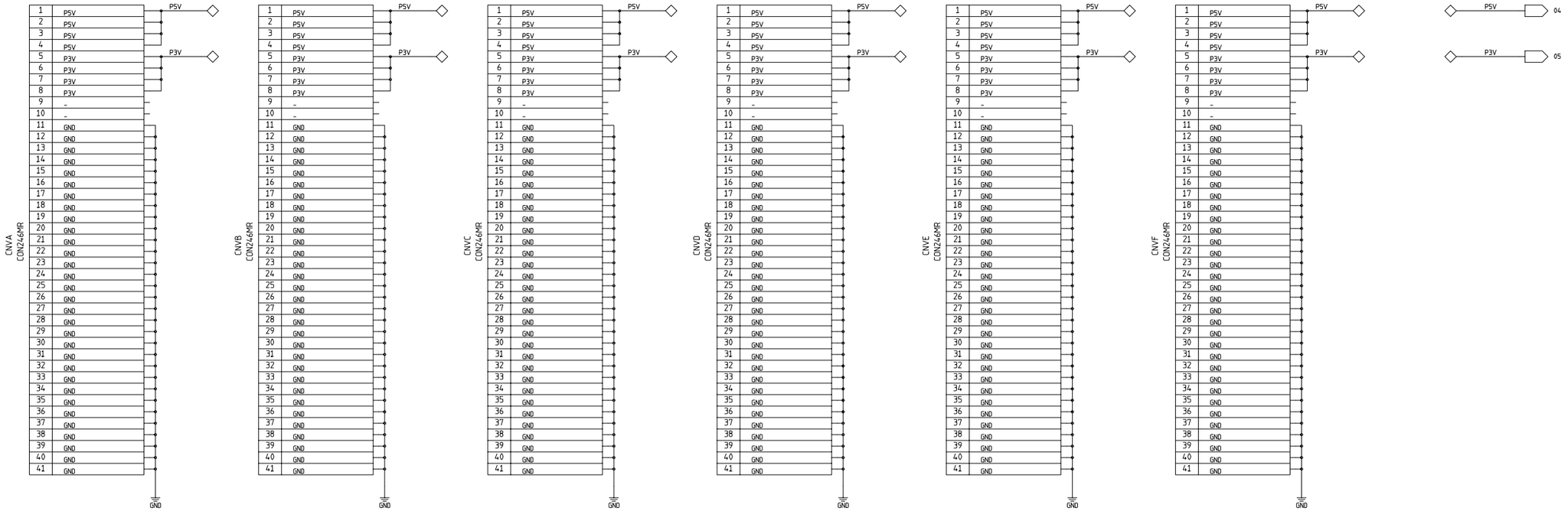
CPU-183 (29/29)

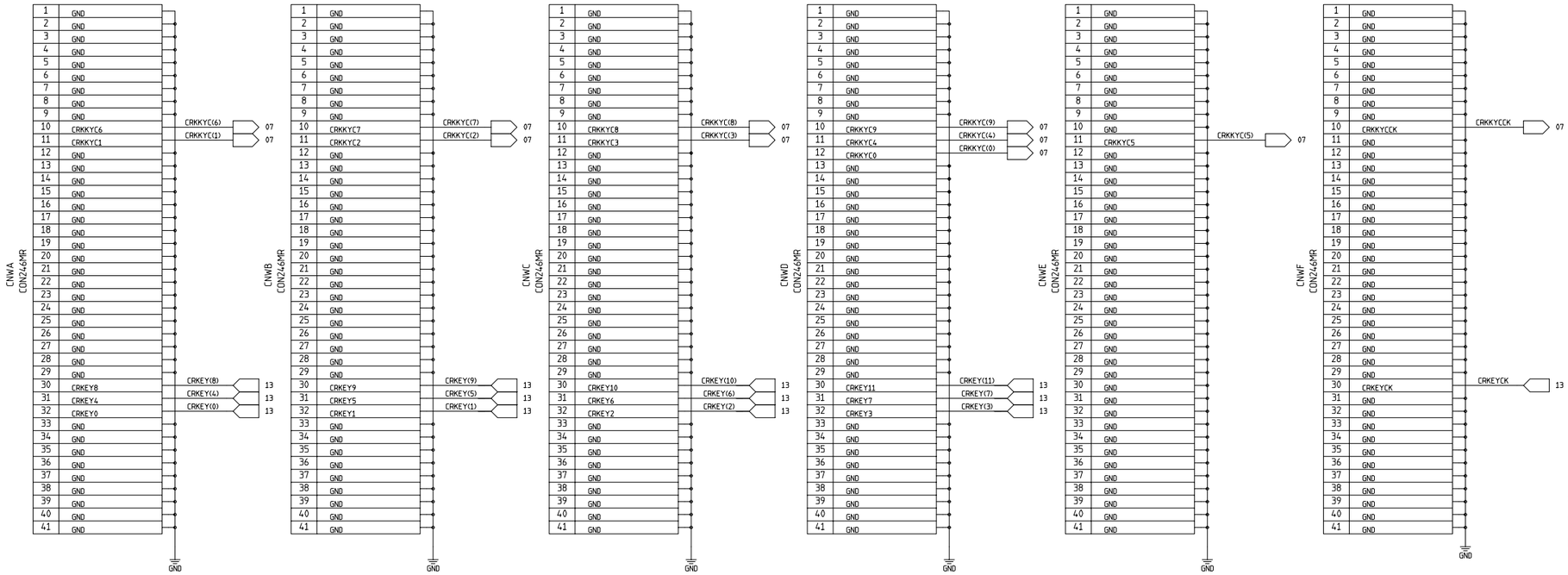


CPU Board
CPU-183 (29/29)
BOARD NO. 1-668-557-13

HDS-7000

CRK-9 (1/40)





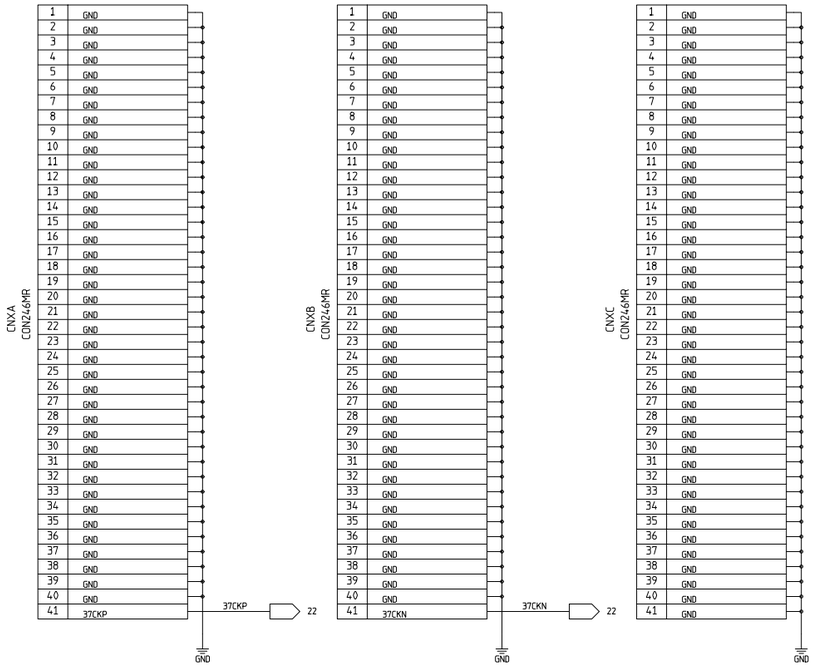
Chromakey Board
CRK-9 (1/40)
BOARD NO. 1-671-984-11

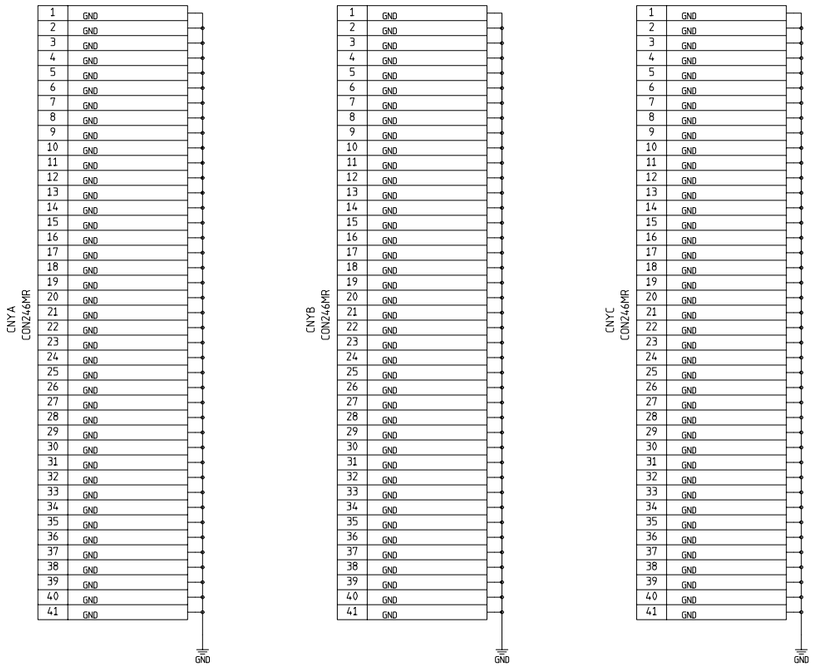
HKDS-7031

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HDS-7000

CRK-9 (2/40)





Chromakey Board
CRK-9 (2/40)
BOARD NO. 1-671-984-11

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HDS-7000

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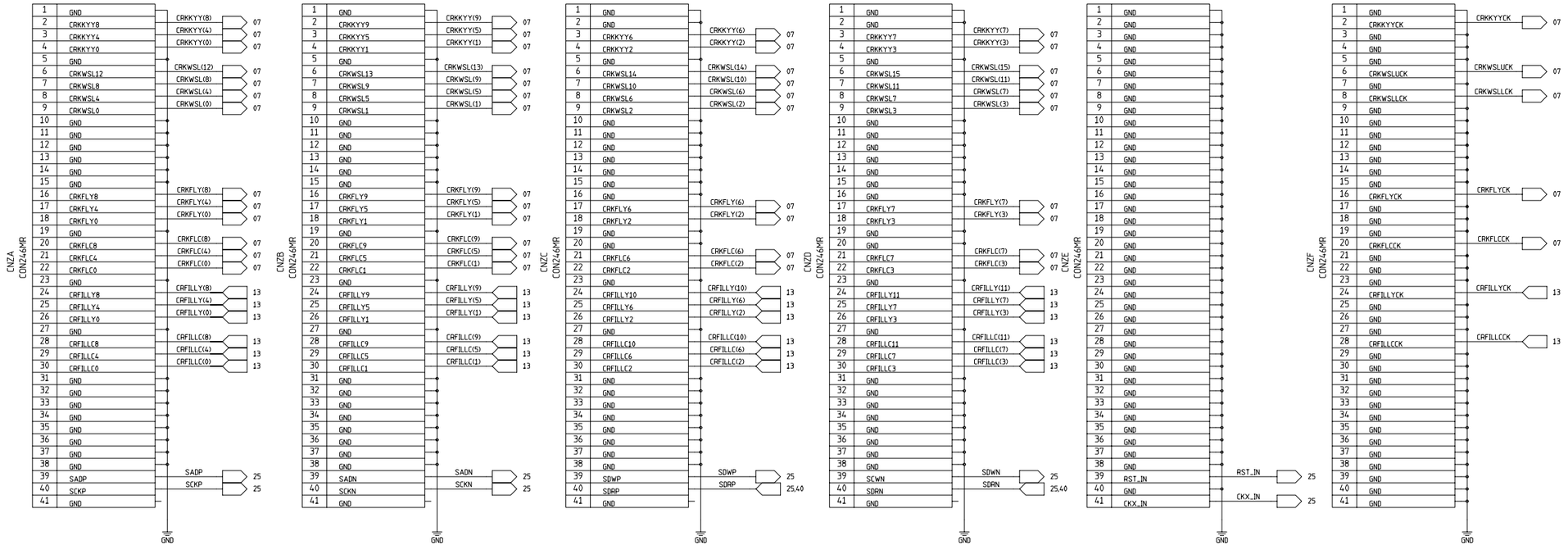
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CRK-9 (3/40)

CRK-9 (3/40)



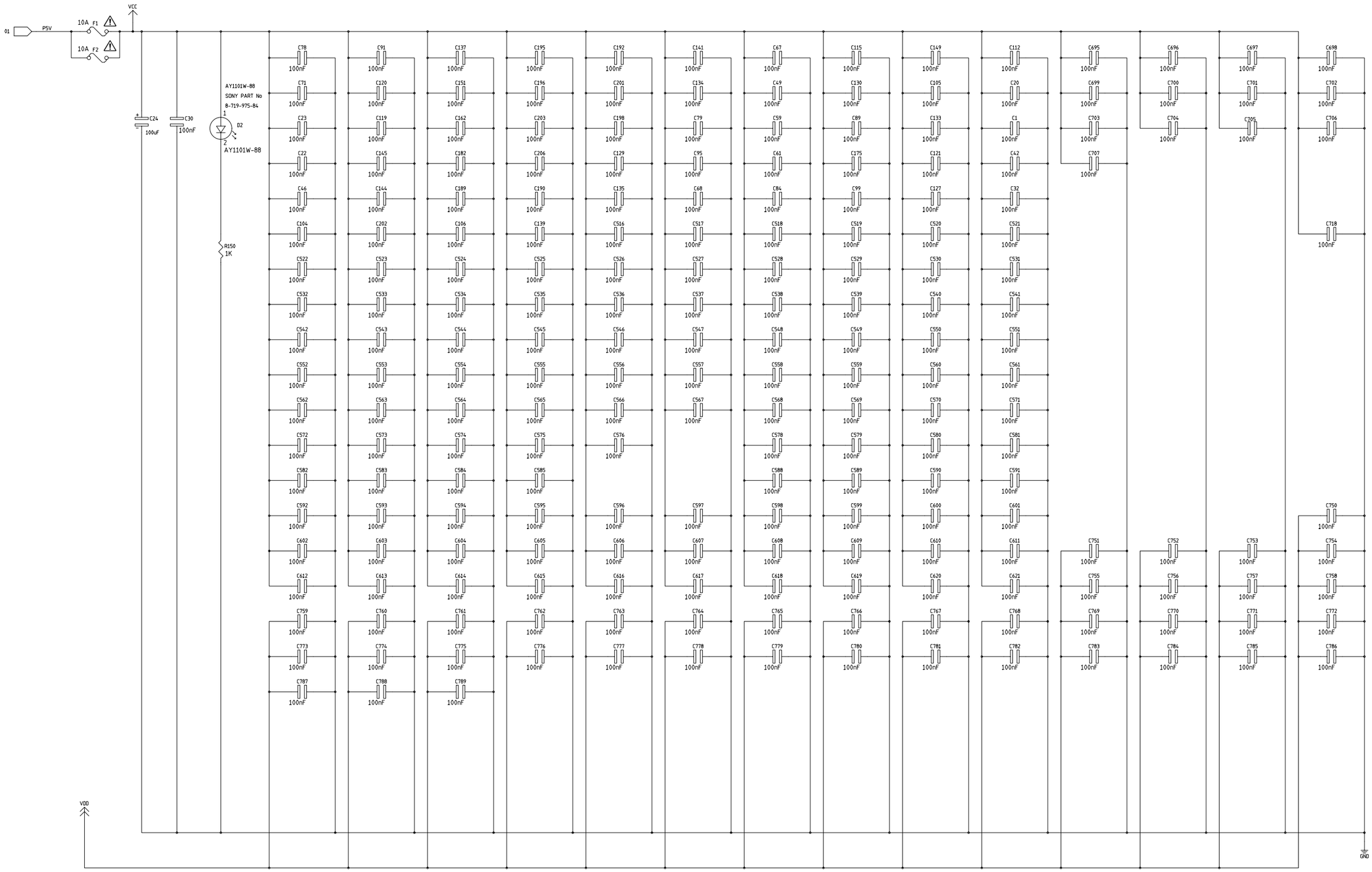
Chromakey Board

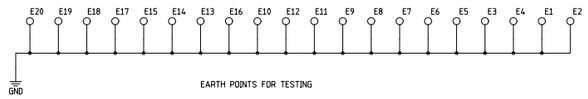
CRK-9 (3/40)

BOARD NO. 1-671-984-11

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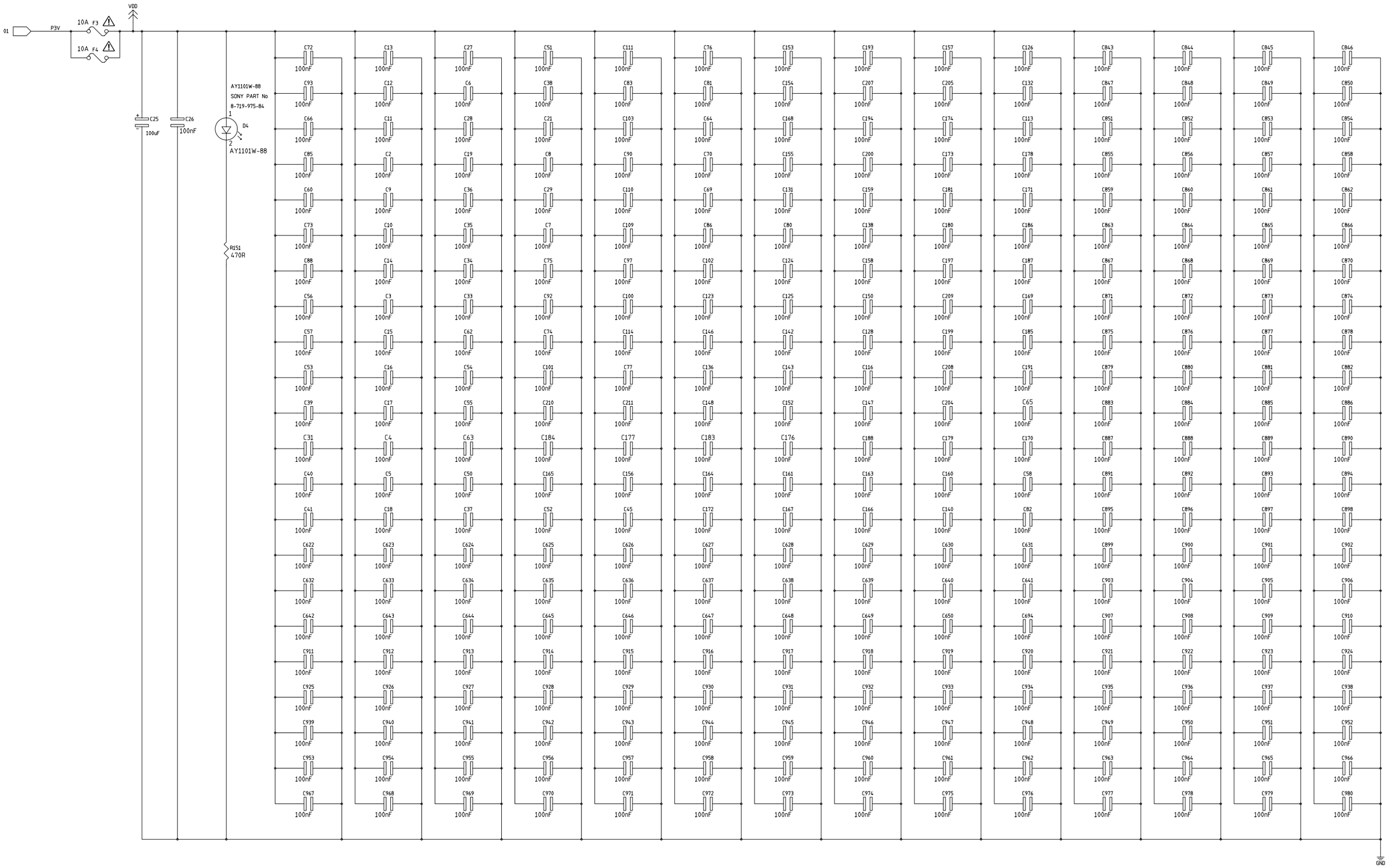




Chromakey Board
CRK-9 (4/40)
BOARD NO. 1-671-984-11

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CRK-9 (5/40)



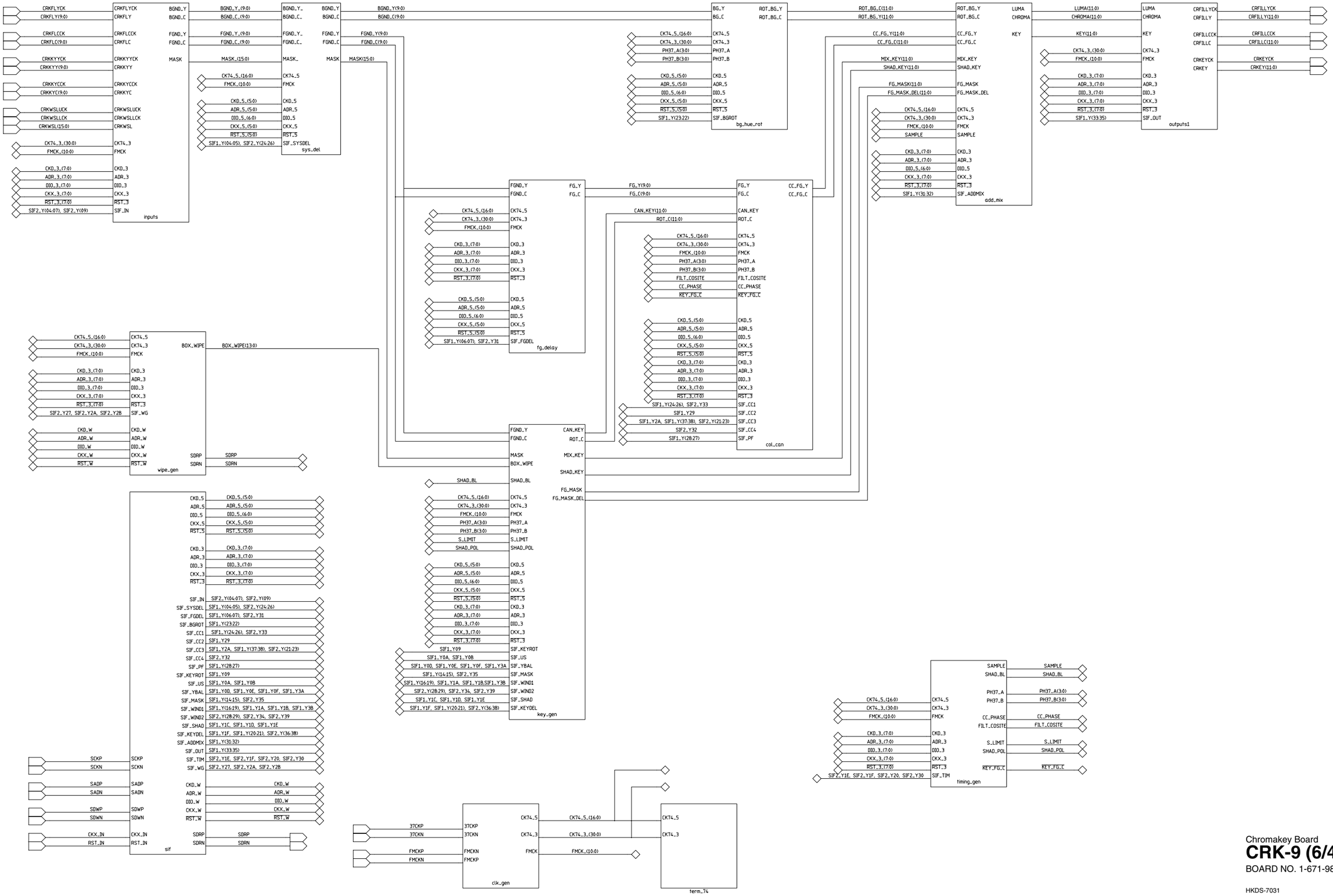
Chromakey Board
CRK-9 (5/40)
BOARD NO. 1-671-984-11

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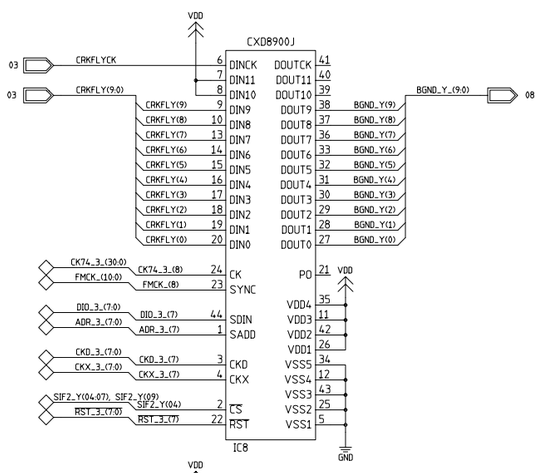
CRK-9 (6/40)

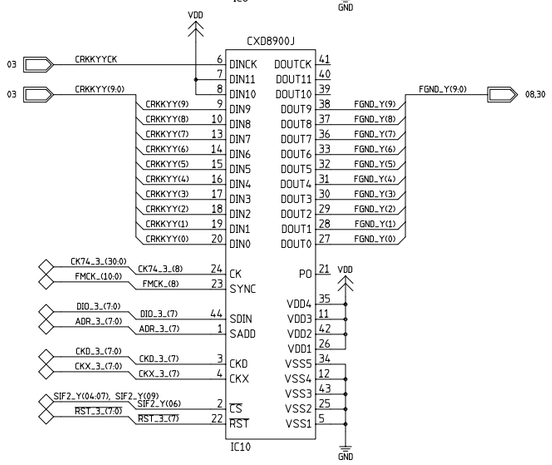


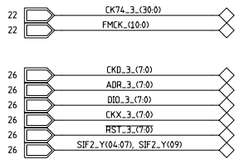
Chromakey Board
CRK-9 (6/40)
BOARD NO. 1-671-984-11

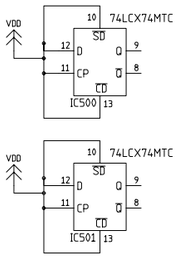
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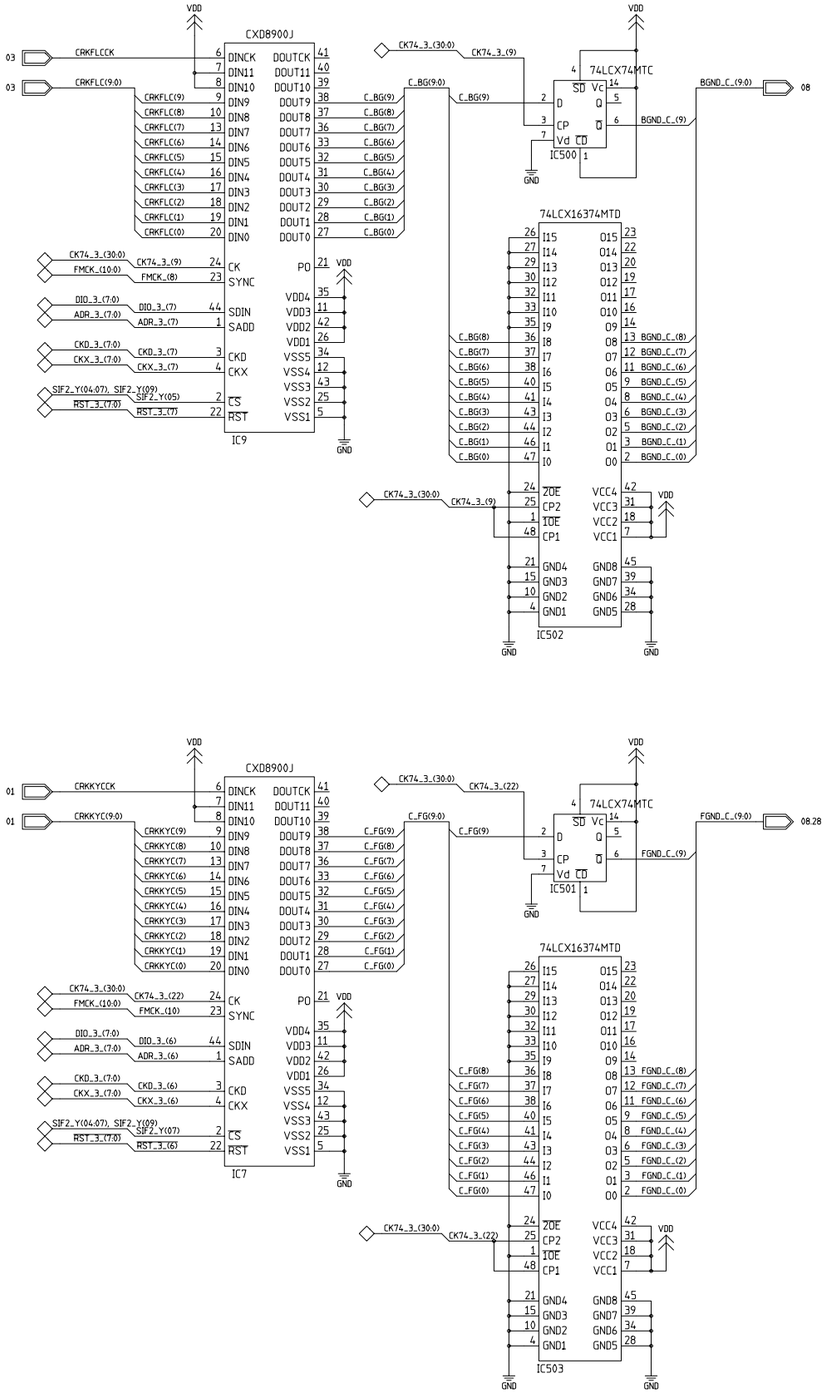
CRK-9 (7/40)

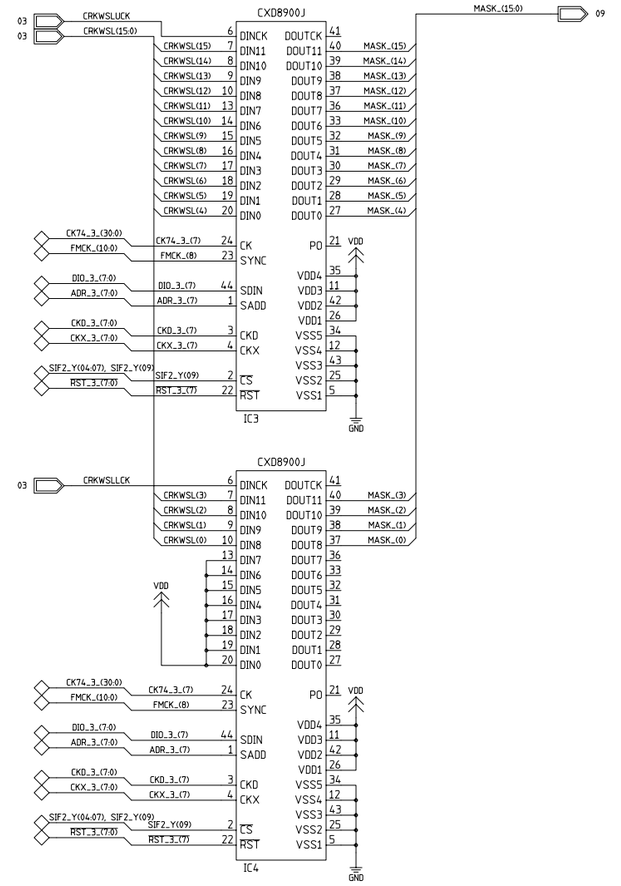












Chromakey Board
CRK-9 (7/40)
BOARD NO. 1-671-984-11

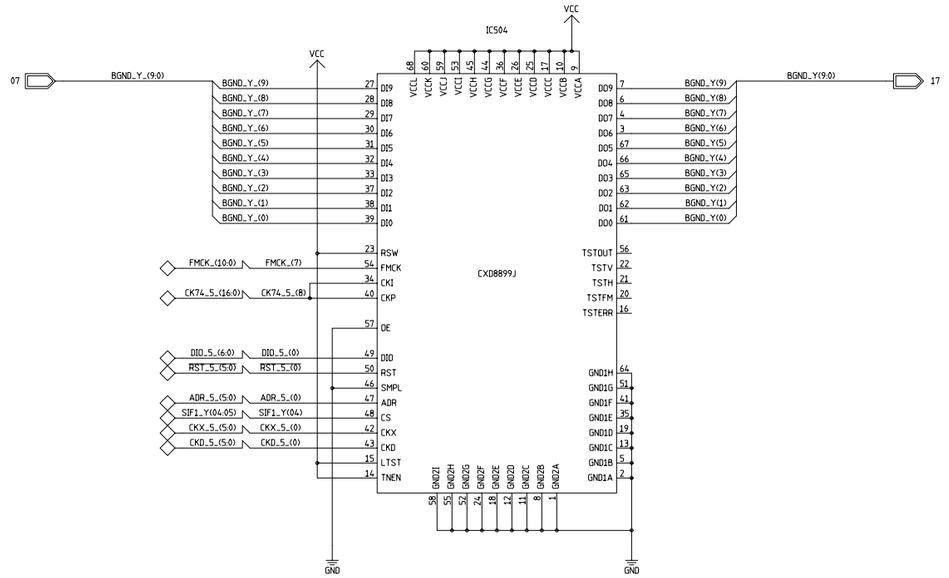
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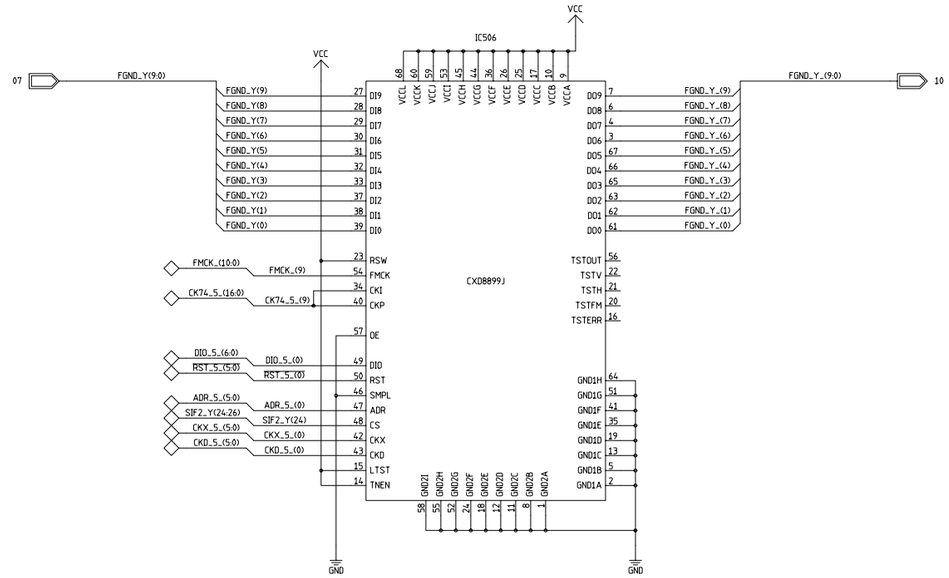
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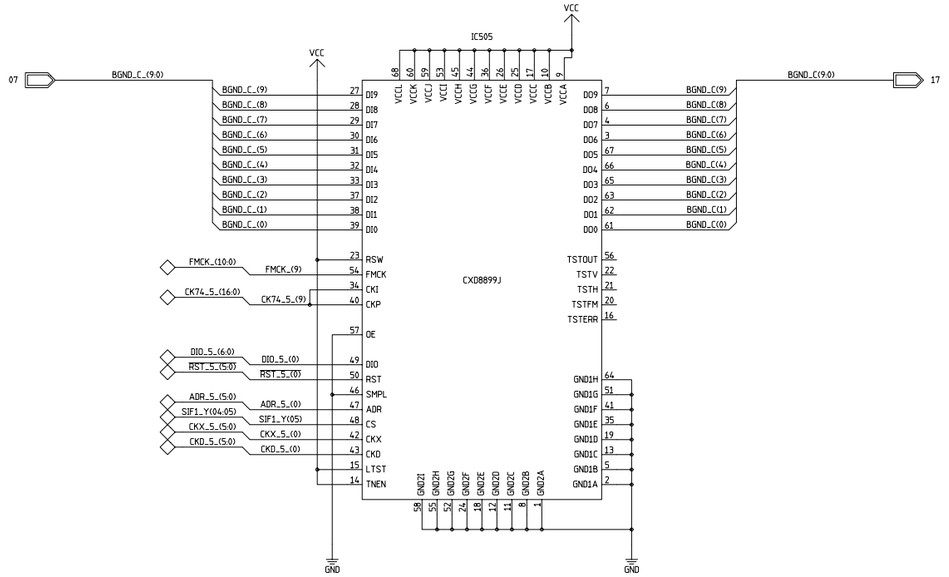
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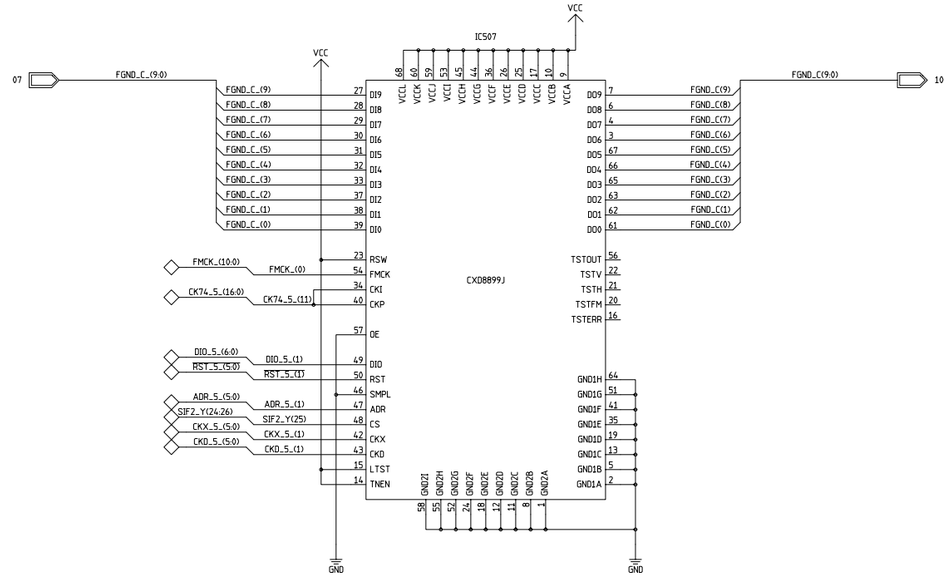
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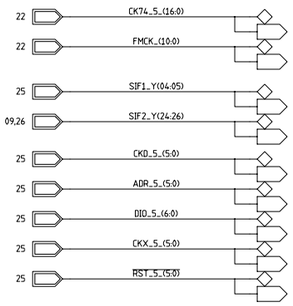
CRK-9 (8/40)











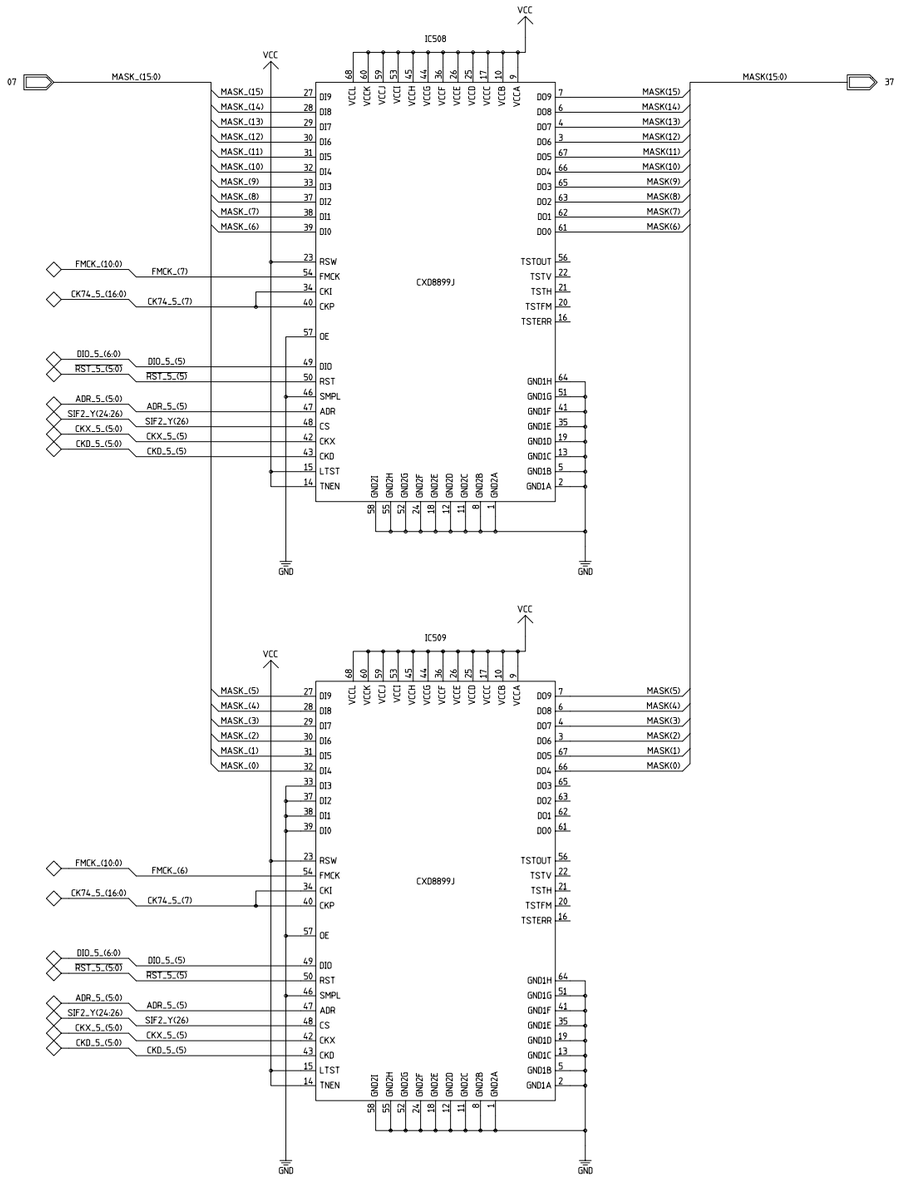
Chromakey Board
CRK-9 (8/40)
BOARD NO. 1-671-984-11

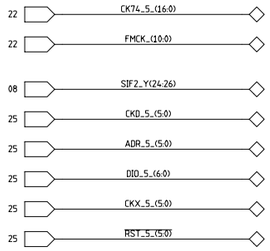
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CRK-9 (9/40)





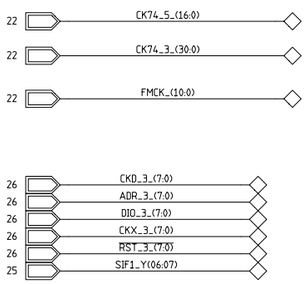
Chromakey Board
CRK-9 (9/40)
BOARD NO. 1-671-984-11

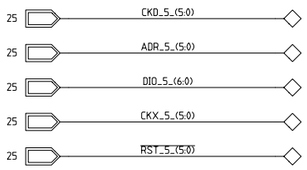
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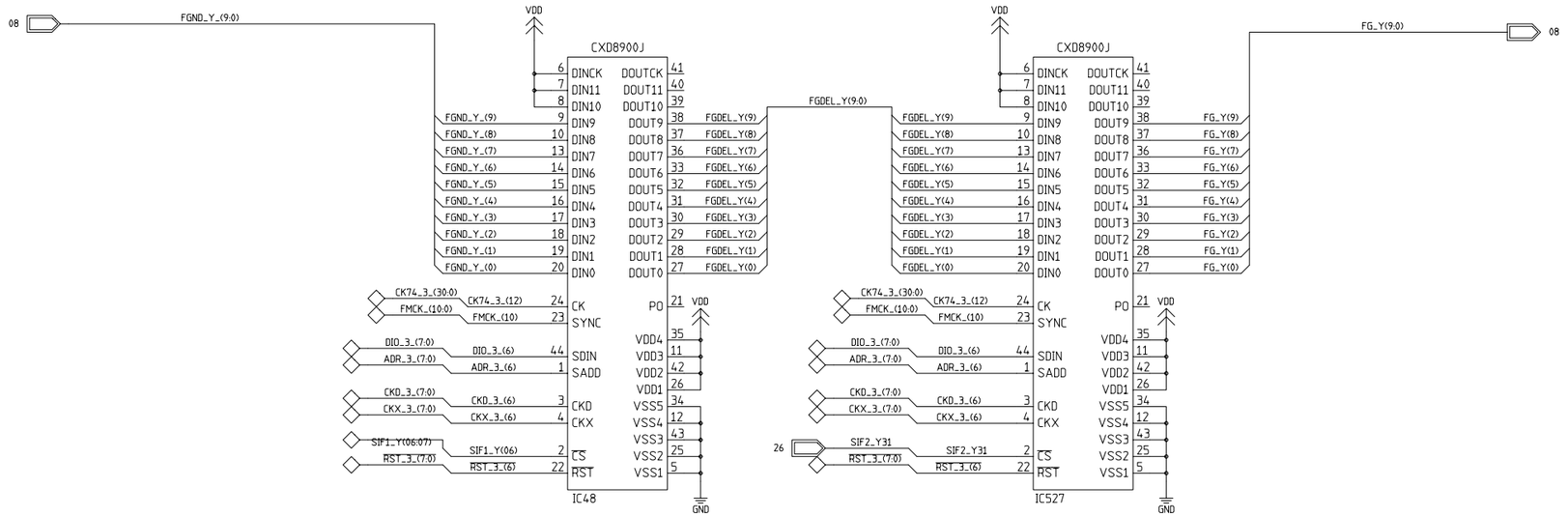
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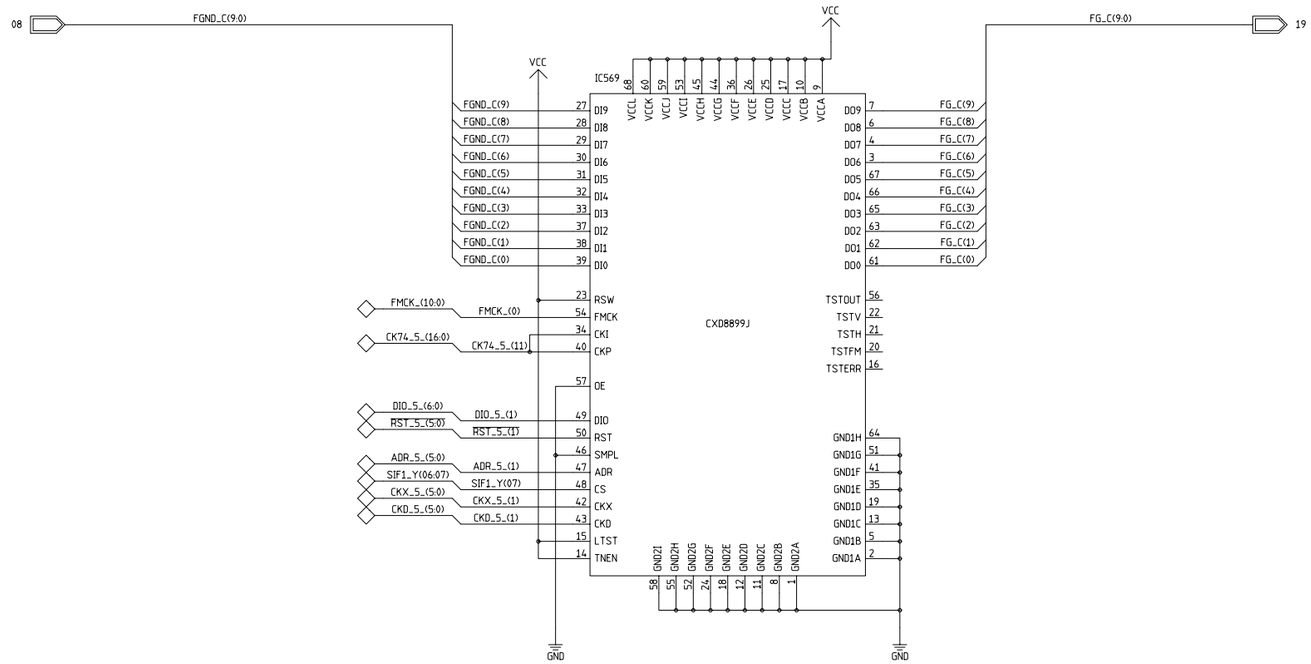
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CRK-9 (10/40)





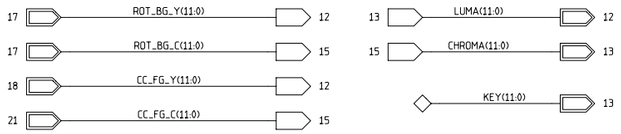


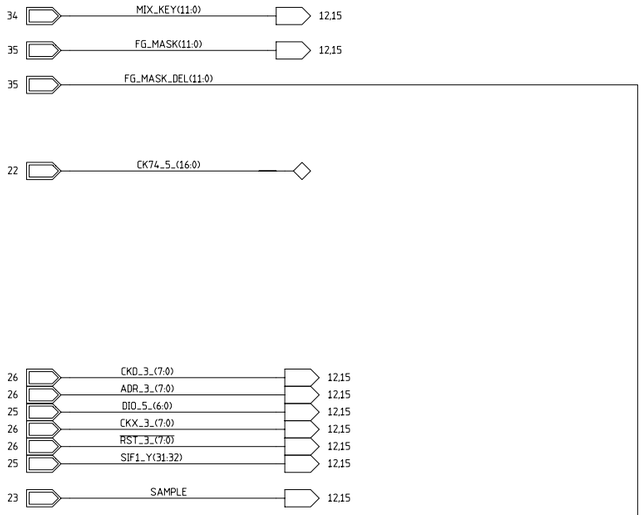


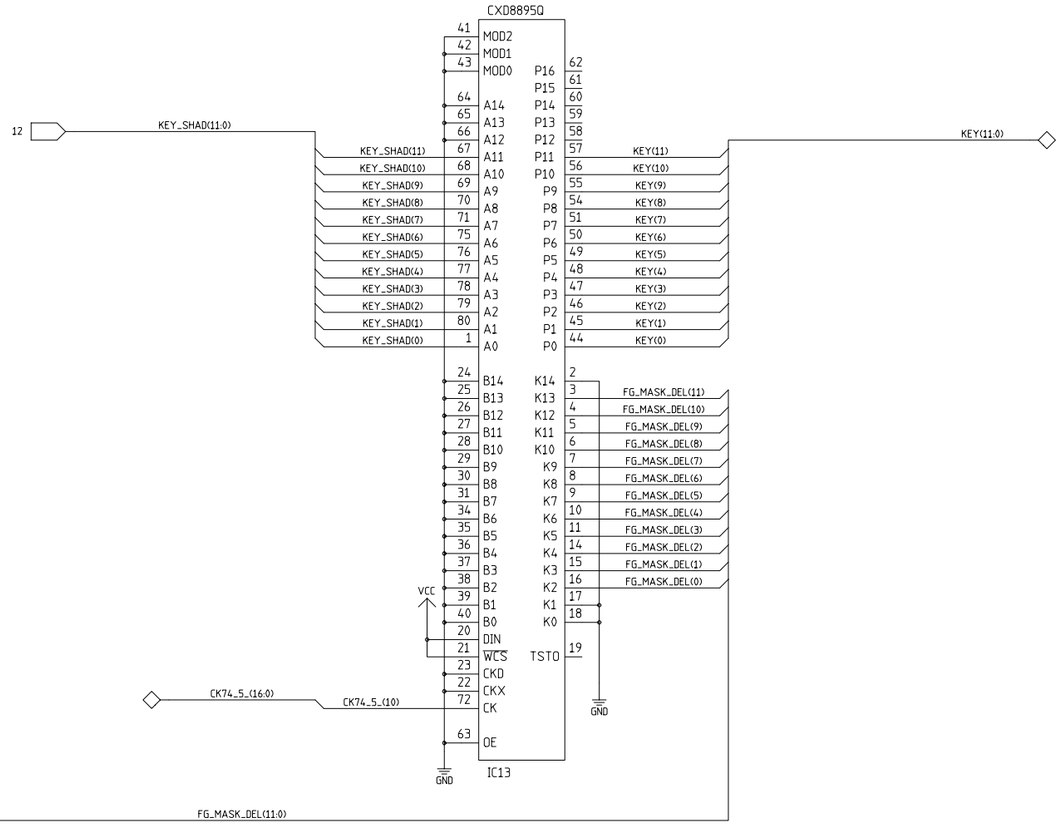
Chromakey Board
CRK-9 (10/40)
BOARD NO. 1-671-984-11

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CRK-9 (11/40)







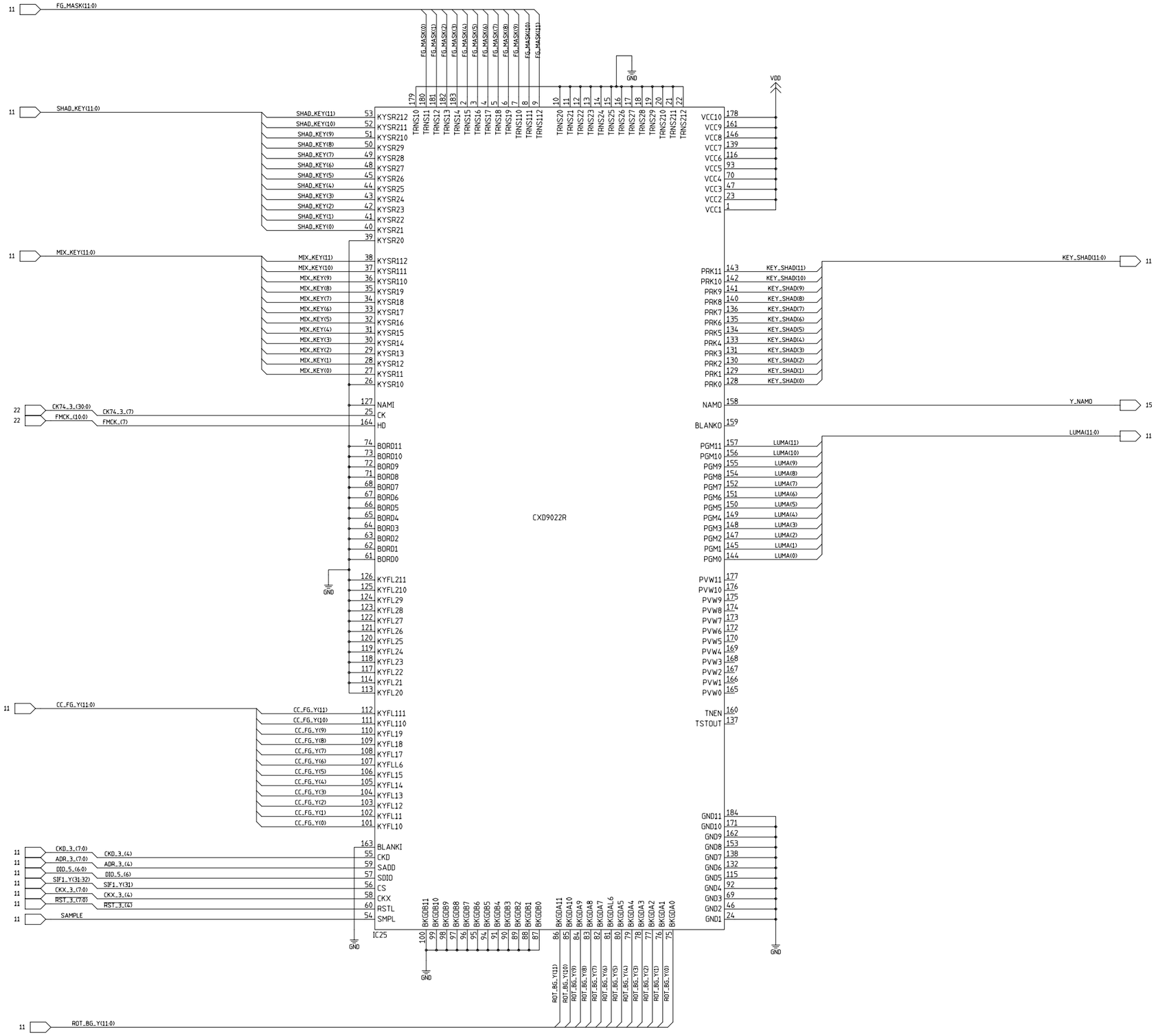
Chromakey Board
CRK-9 (11/40)
BOARD NO. 1-671-984-11

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CRK-9 (12/40)



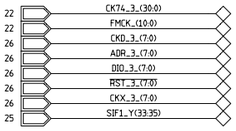
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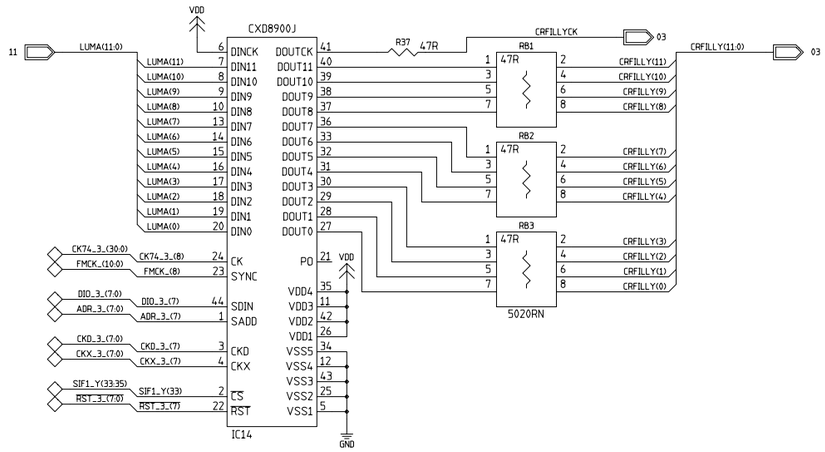
CRK-9 (12/40)

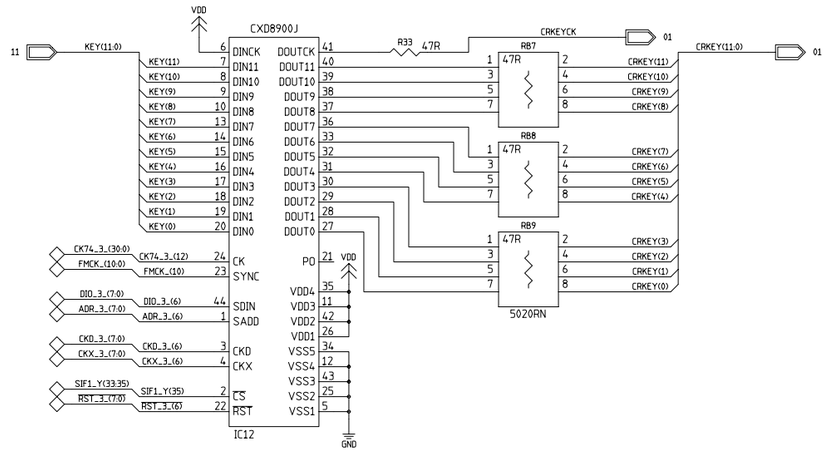
BOARD NO. 1-671-984-11

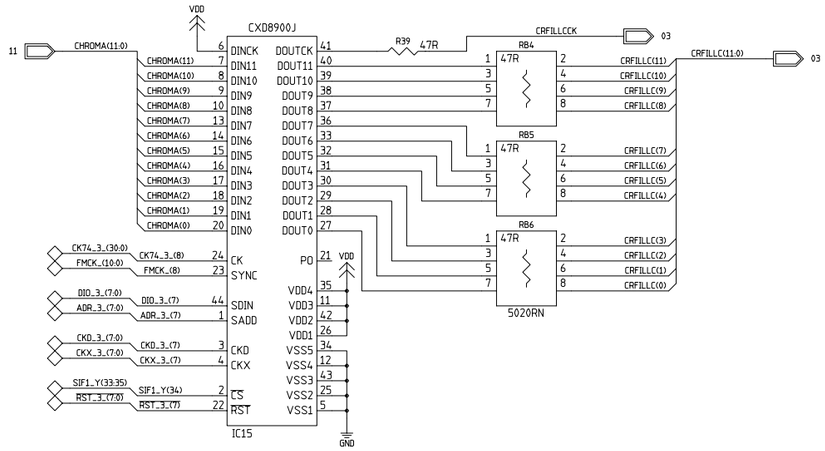
HKDS-7031

NOTE:
Drives to layers 1 and 8 of mother board
require 68R series termination resistors
Drives to layers 3 and 6 of mother board
require 36R termination resistors





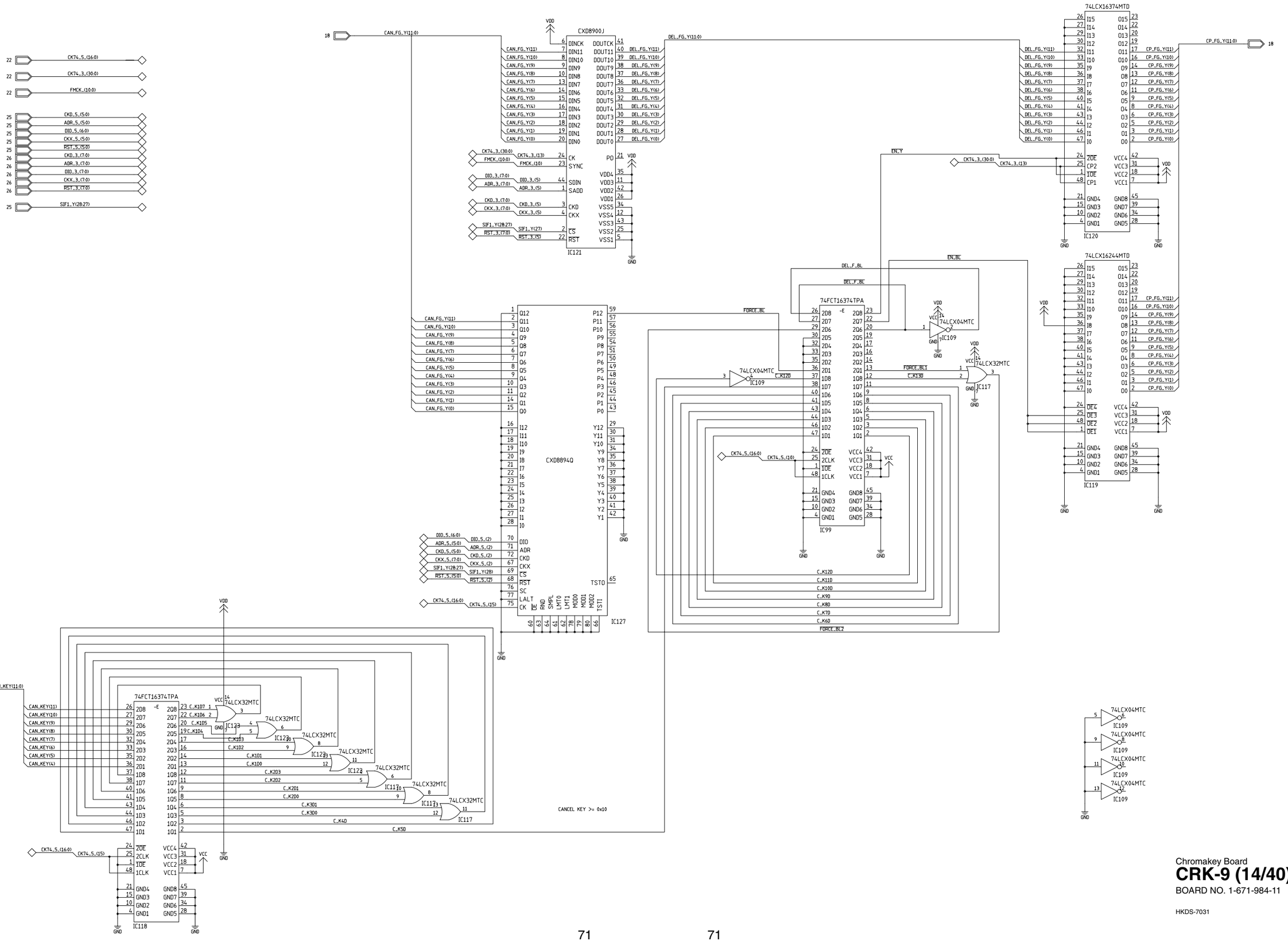




Chromakey Board
CRK-9 (13/40)
BOARD NO. 1-671-984-11

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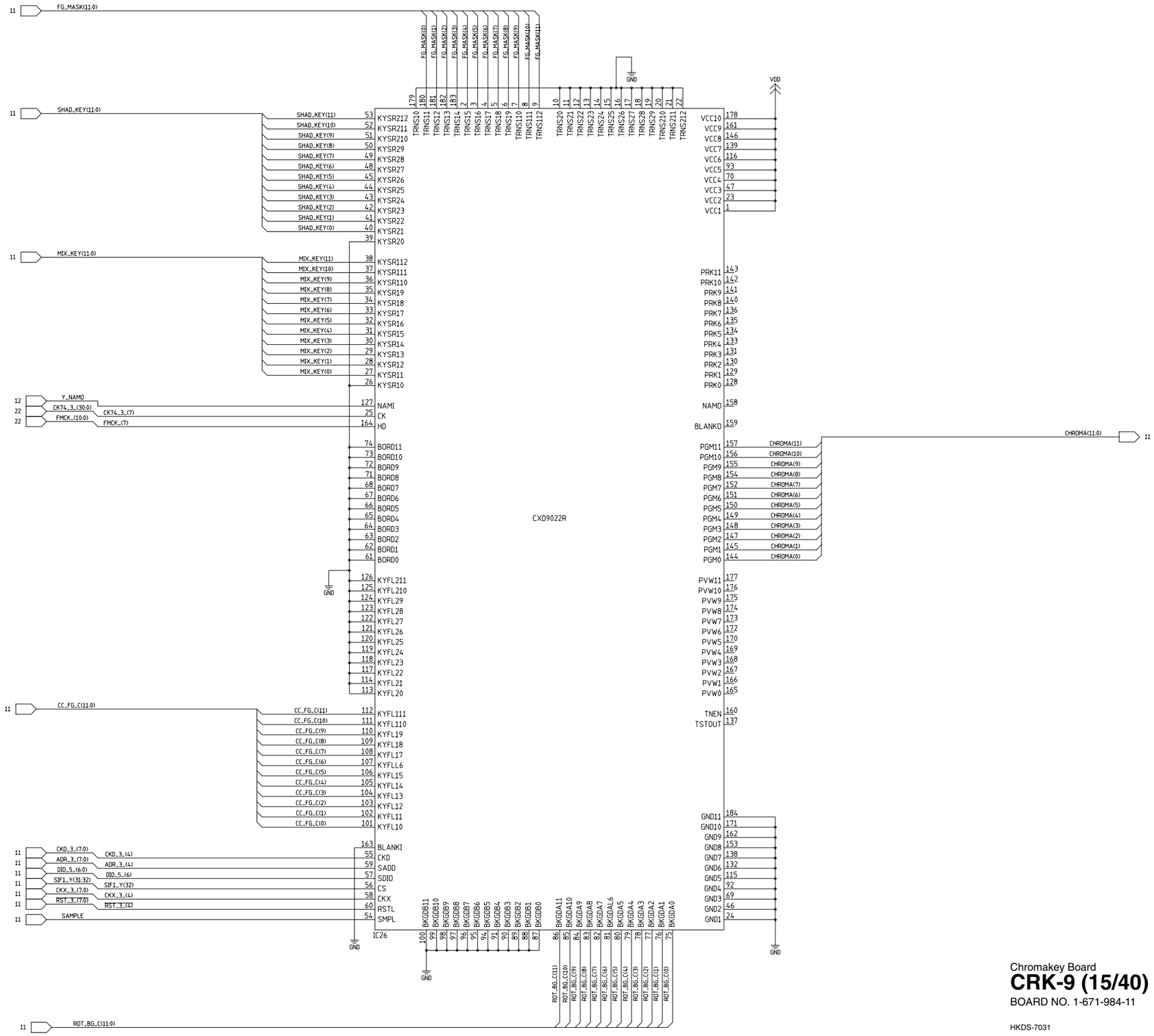
CRK-9 (14/40)



Chromakey Board
CRK-9 (14/40)
BOARD NO. 1-671-984-11

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CRK-9 (15/40)



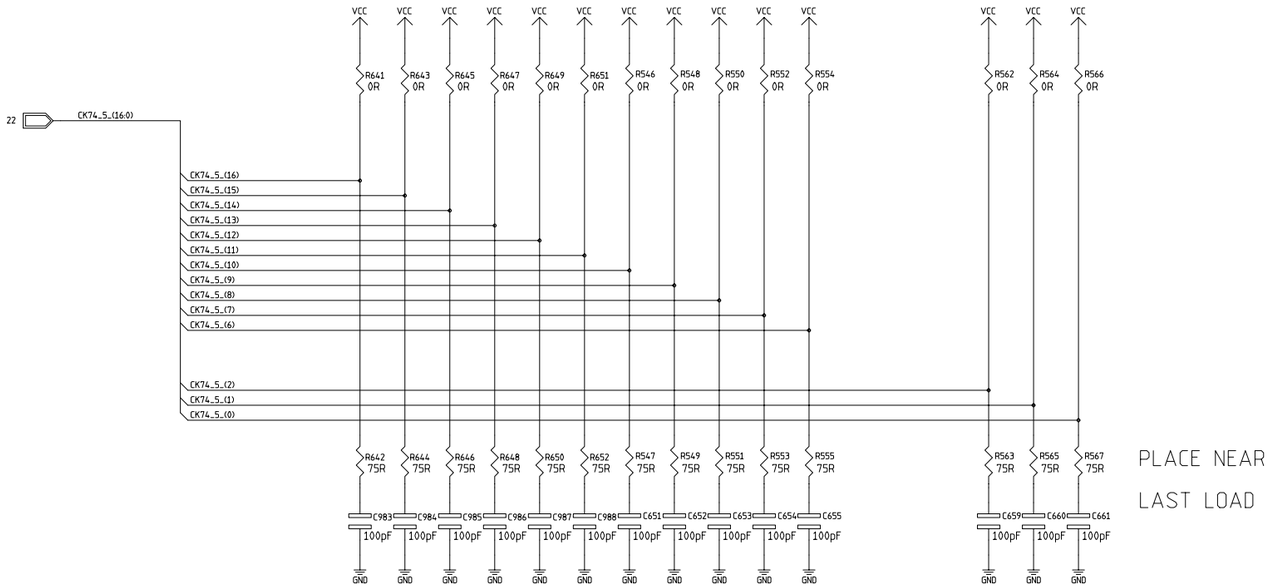
Chromakey Board
CRK-9 (15/40)
BOARD NO. 1-671-984-11

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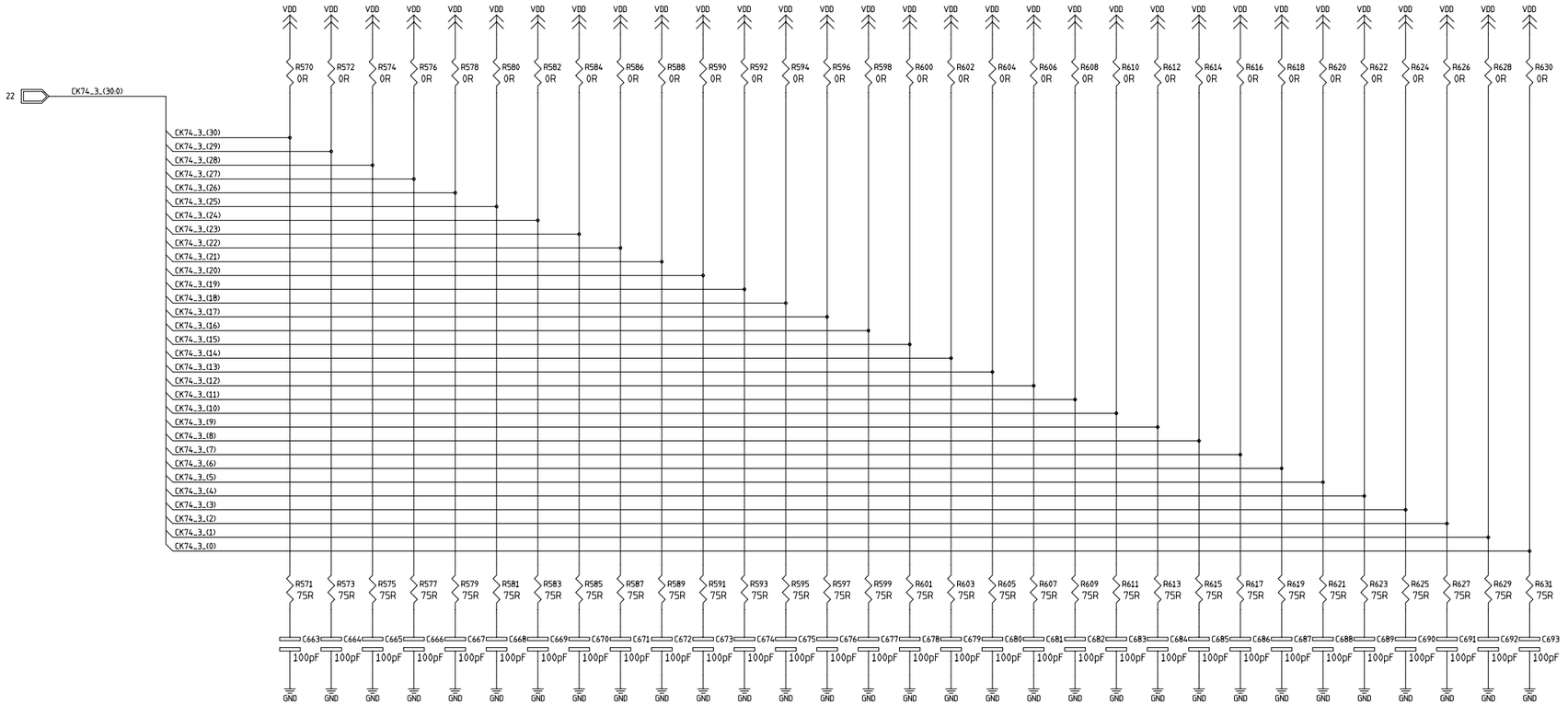
CRK-9 (16/40)

DO NOT FIT 0R RESISTORS



PLACE NEAR
LAST LOAD

DO NOT FIT 0R RESISTORS

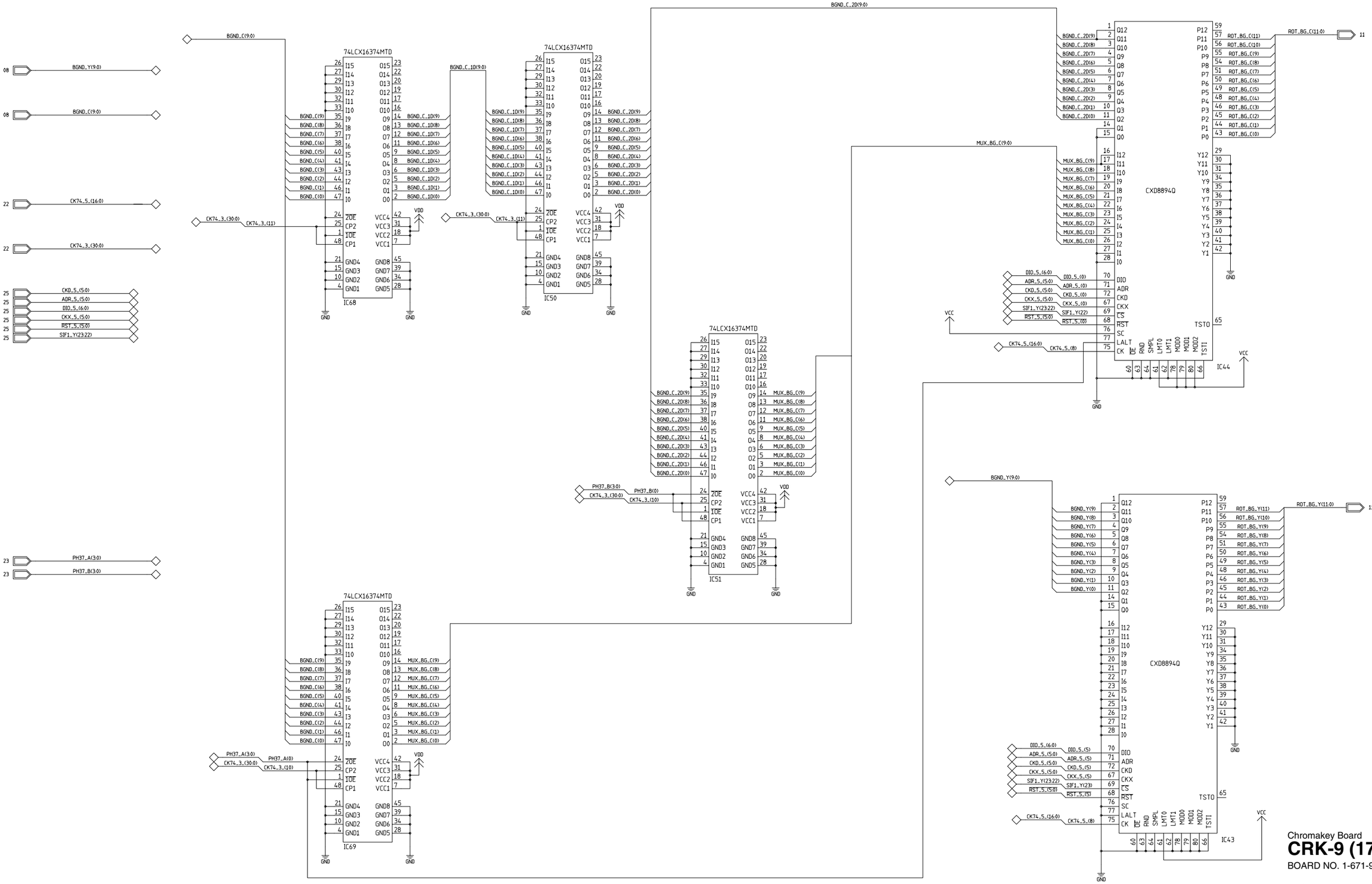


PLACE NEAR
LAST LOAD

Chromakey Board
CRK-9 (16/40)
BOARD NO. 1-671-984-11

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CRK-9 (17/40)



Chromakey Board

CRK-9 (17/40)

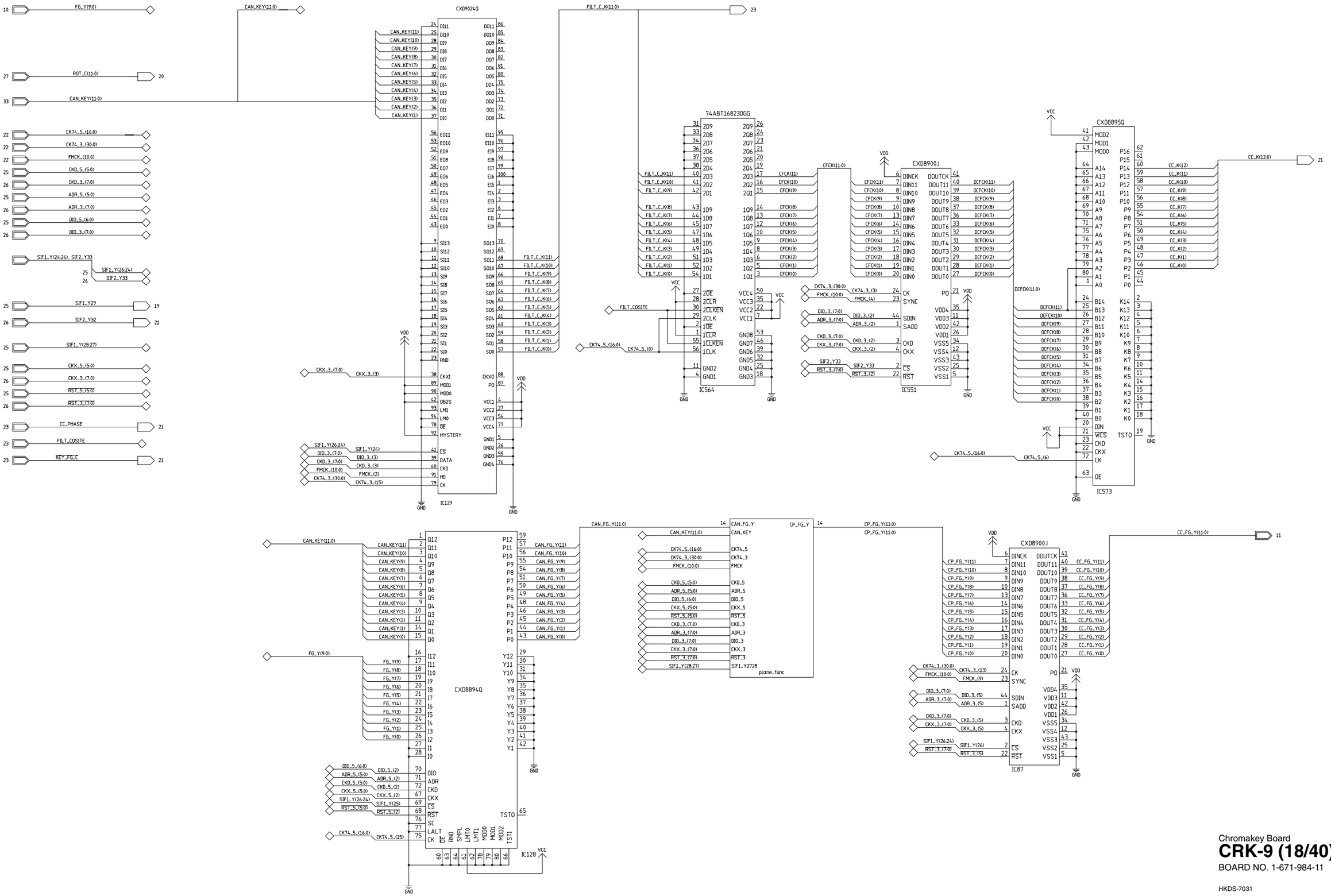
BOARD NO. 1-671-984-11

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74 74

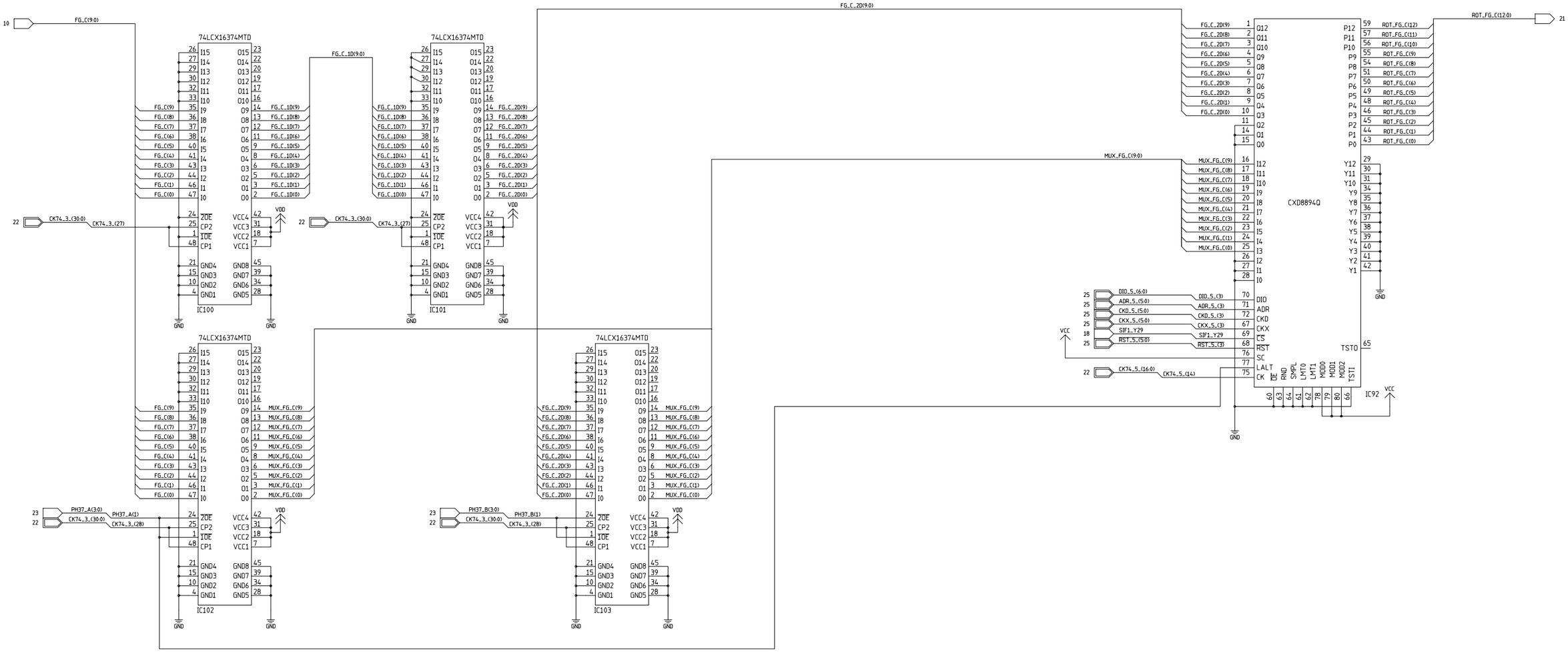
CRK-9 (18/40)



Chromakey Board
CRK-9 (18/40)
BOARD NO. 1-671-984-11

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CRK-9 (19/40)



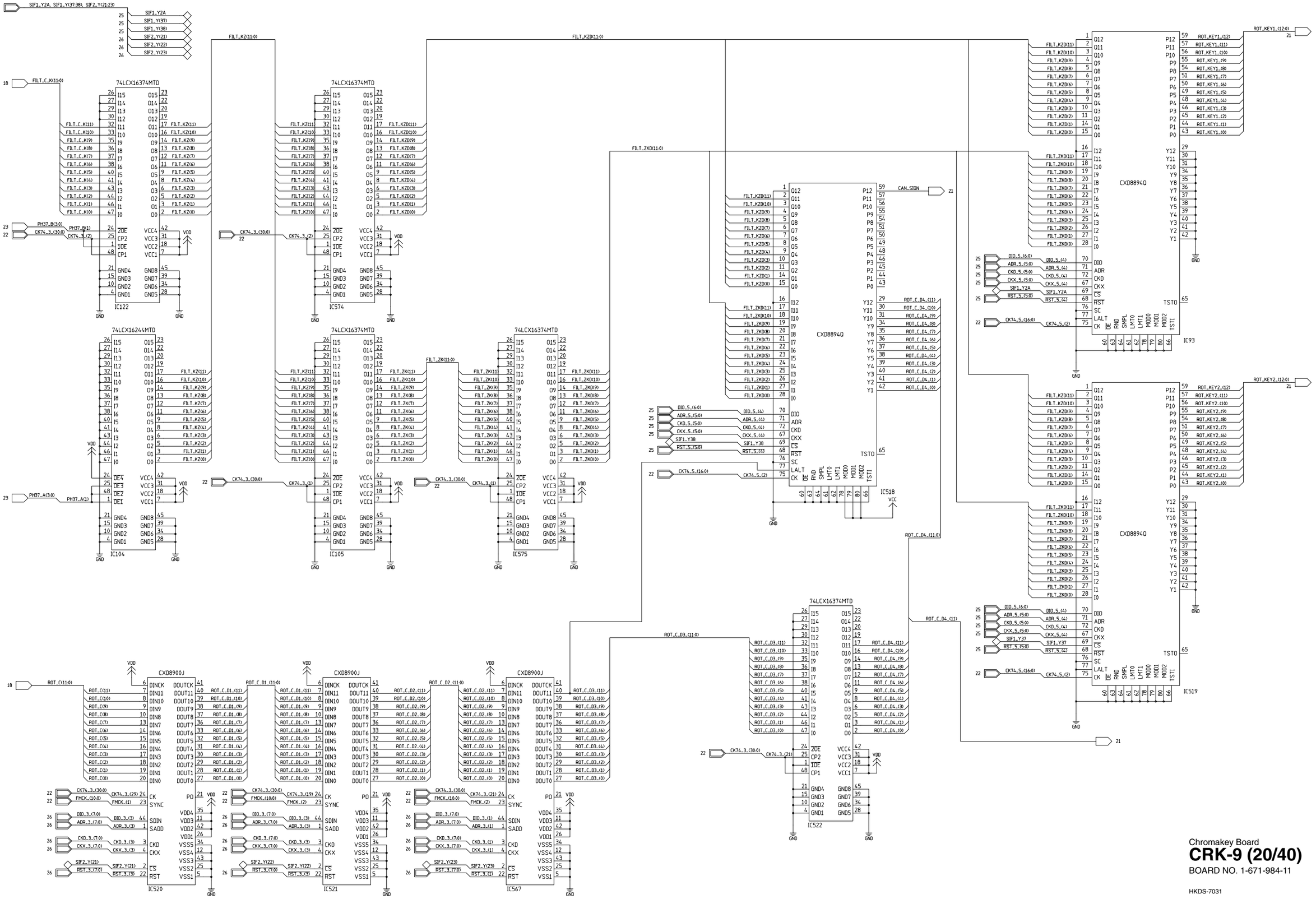
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Chromakey Board
CRK-9 (19/40)
BOARD NO. 1-671-984-11

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CRK-9 (20/40)



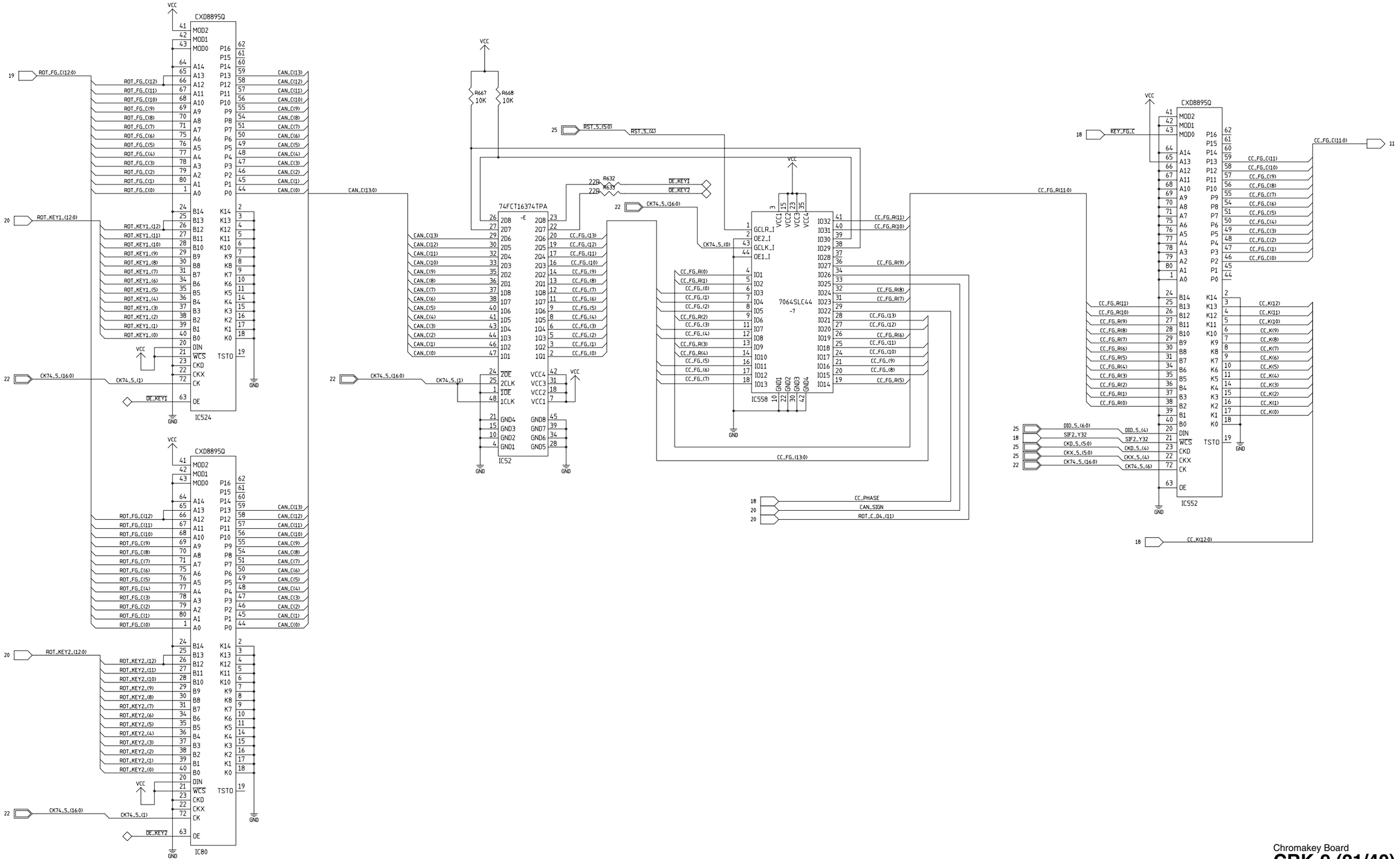
Chromakey Board

CRK-9 (20/40)

BOARD NO. 1-671-984-11

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CRK-9 (21/40)



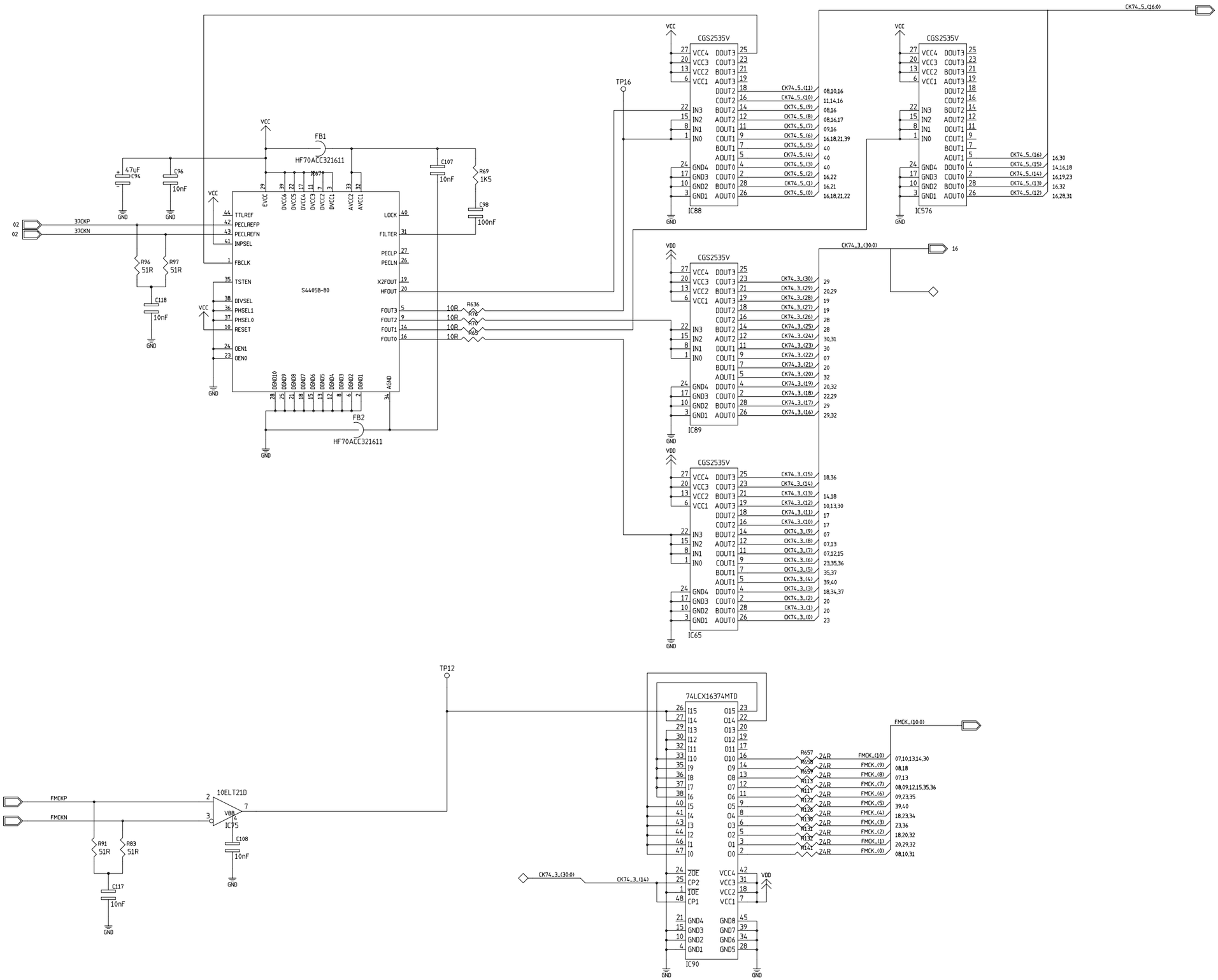
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Chromakey Board
CRK-9 (21/40)
BOARD NO. 1-671-984-11

HKDS-7031

HDS-7000

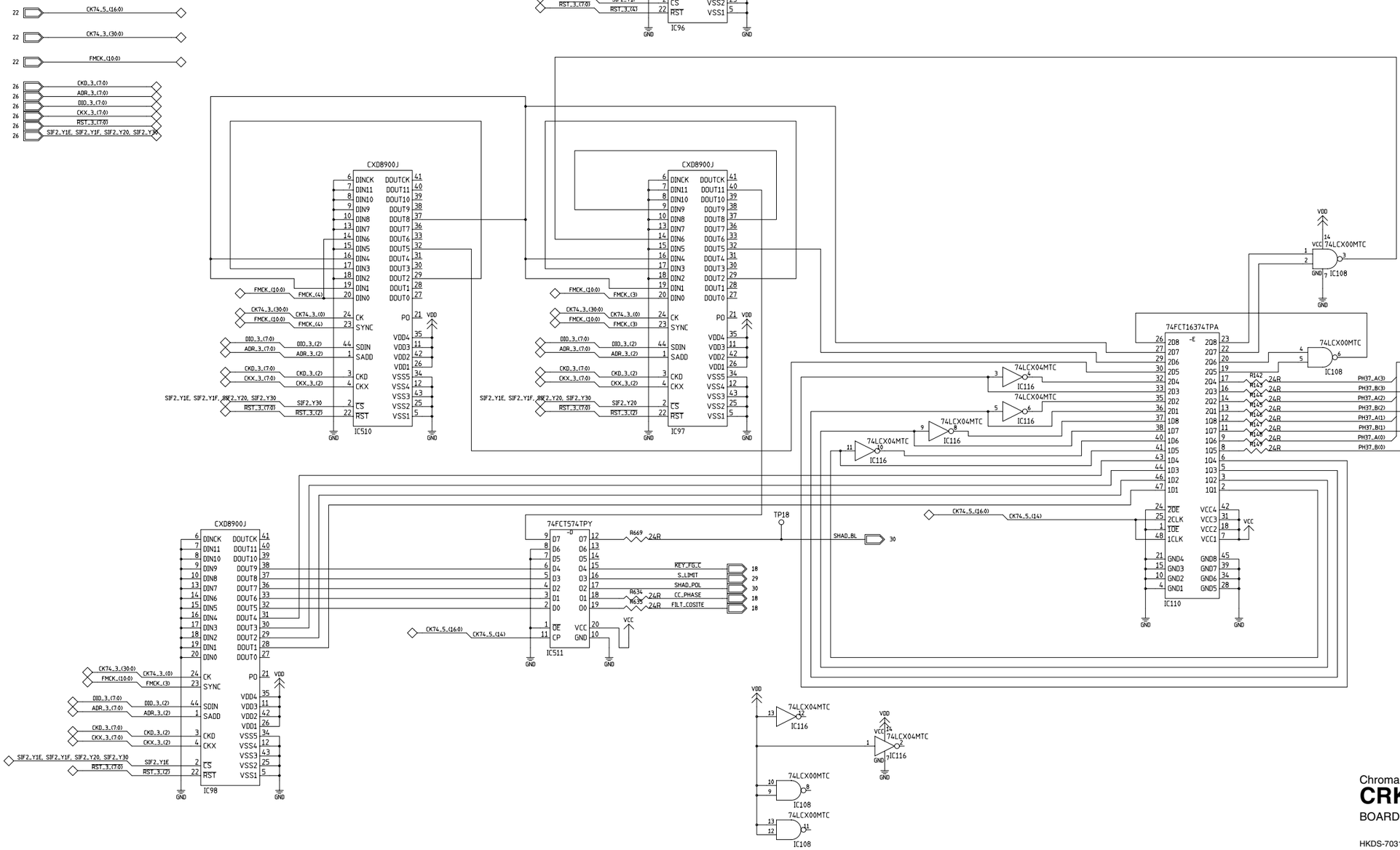
CRK-9 (22/40)



Chromakey Board
CRK-9 (22/40)
BOARD NO. 1-671-984-11

HKDS-7031

CRK-9 (23/40)

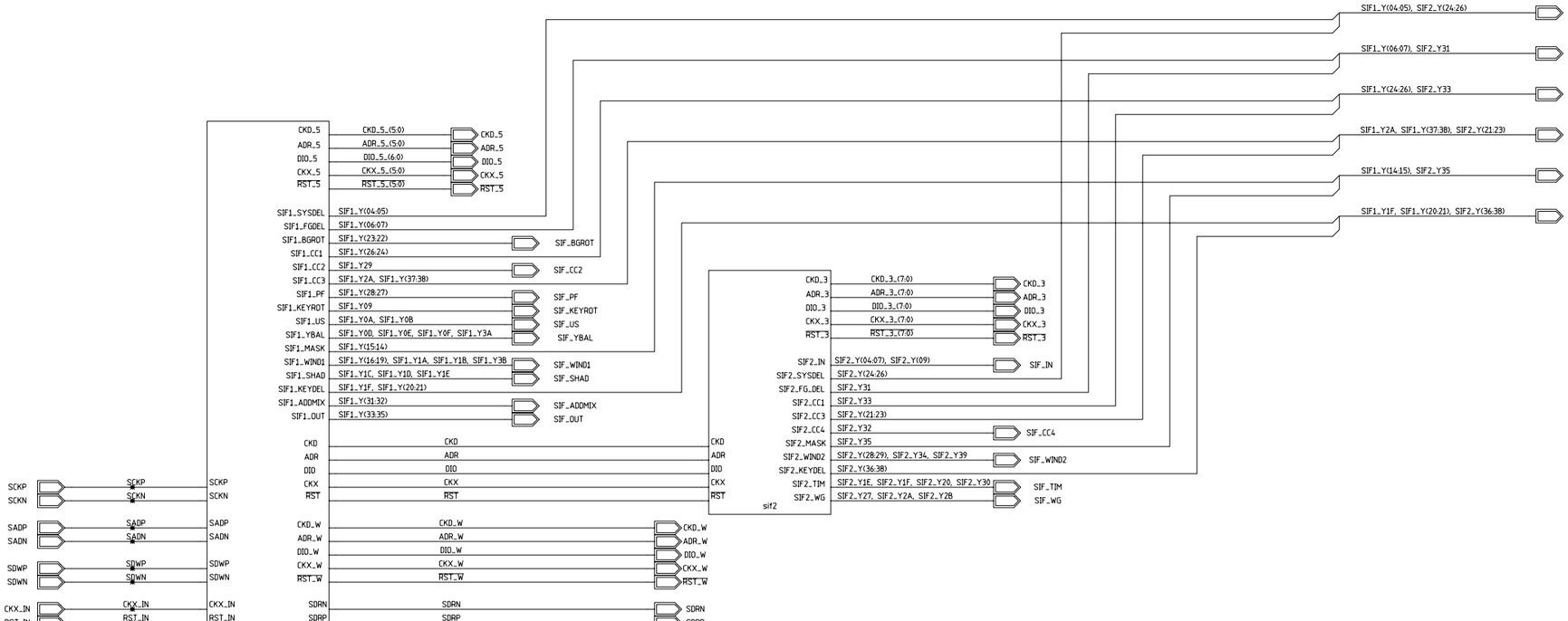


Chromakey Board
CRK-9 (23/40)
BOARD NO. 1-671-984-11

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HDS-7000

CRK-9 (24/40)

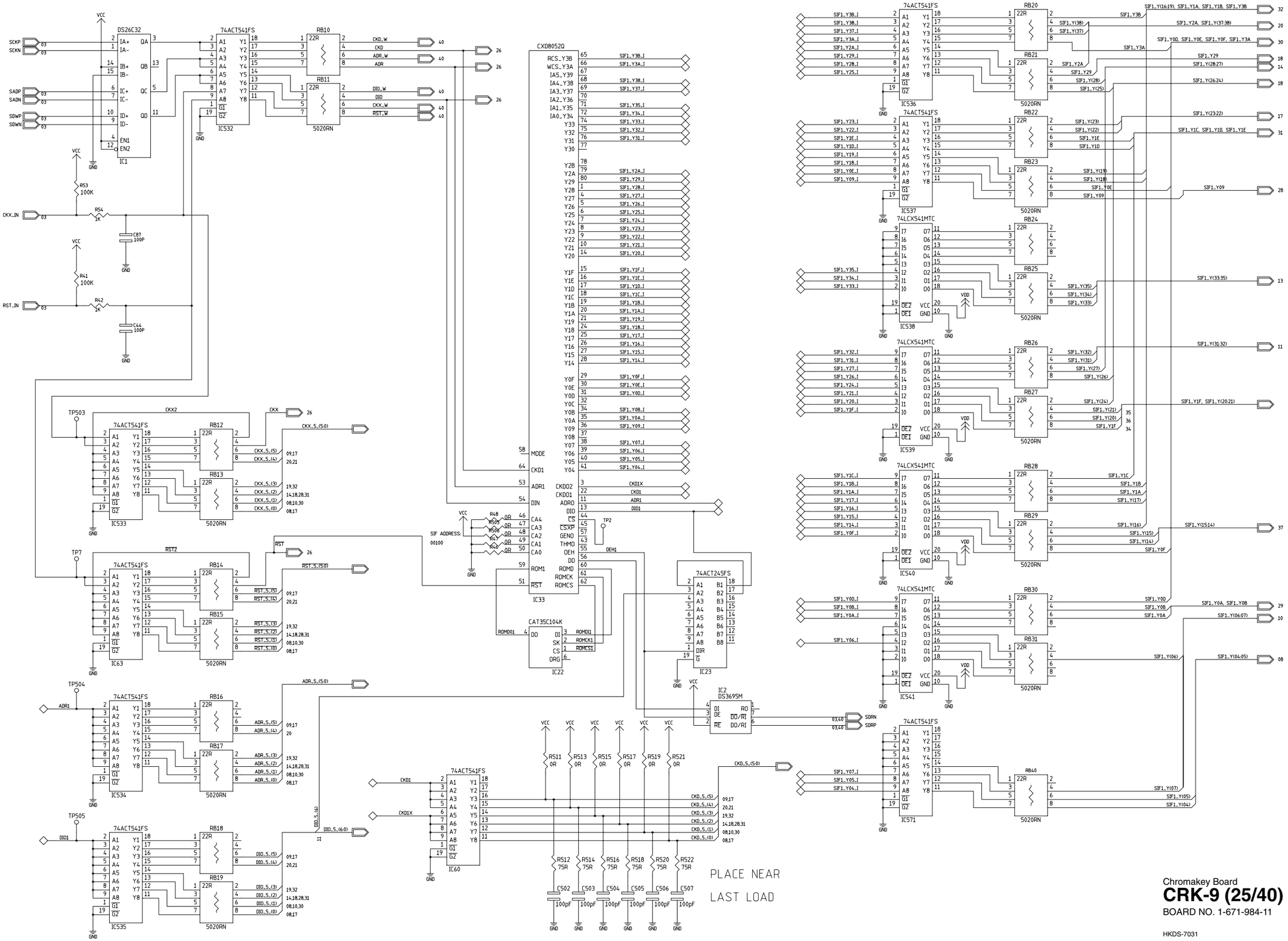


Chromakey Board
CRK-9 (24/40)
BOARD NO. 1-671-984-11

HKDS-7031

HDS-7000

CRK-9 (25/40)

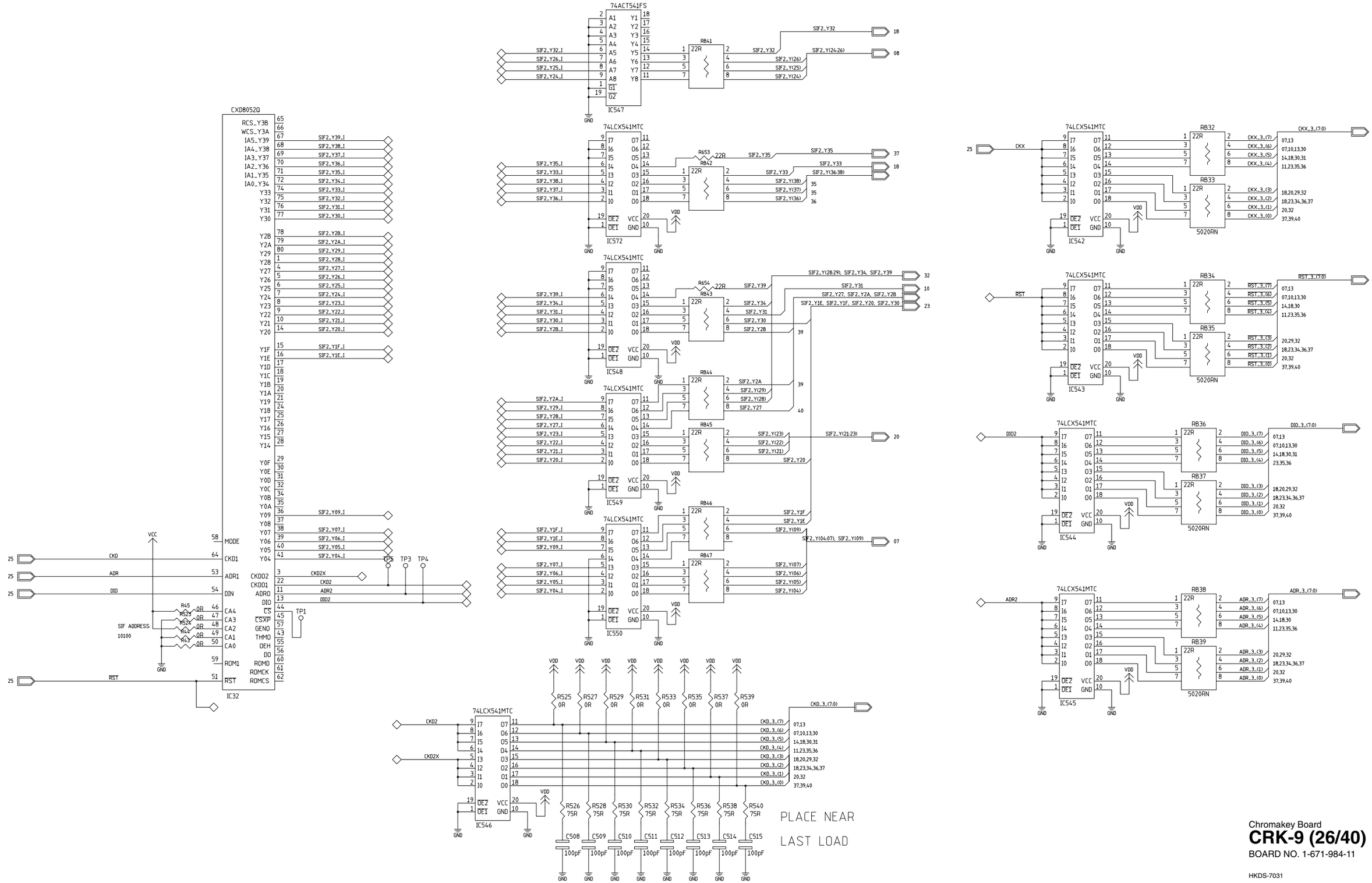


Chromakey Board
CRK-9 (25/40)
BOARD NO. 1-671-984-11

HKDS-7031

HDS-7000

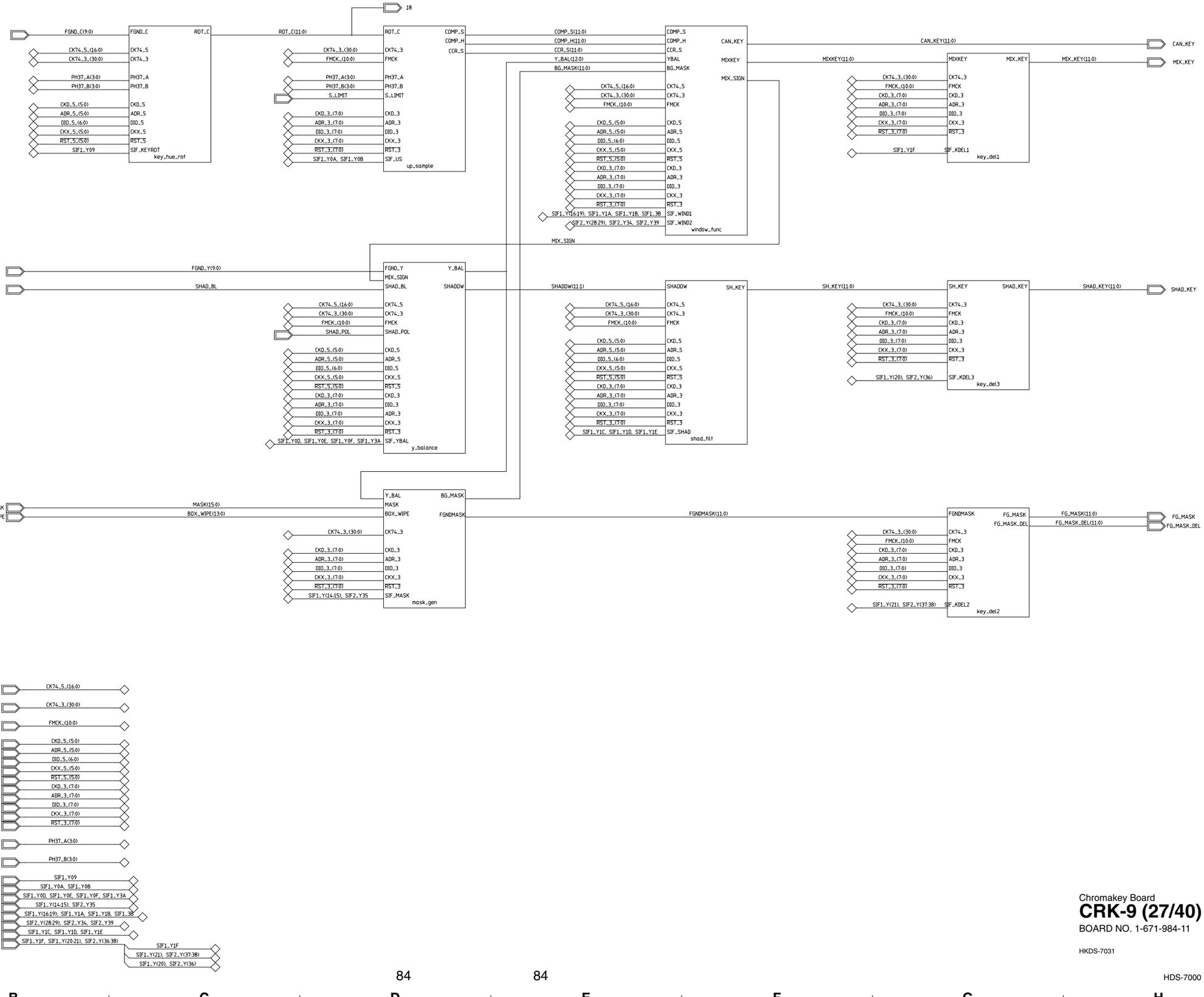
CRK-9 (26/40)



Chromakey Board
CRK-9 (26/40)
BOARD NO. 1-671-984-11

HKDS-7031

CRK-9 (27/40)



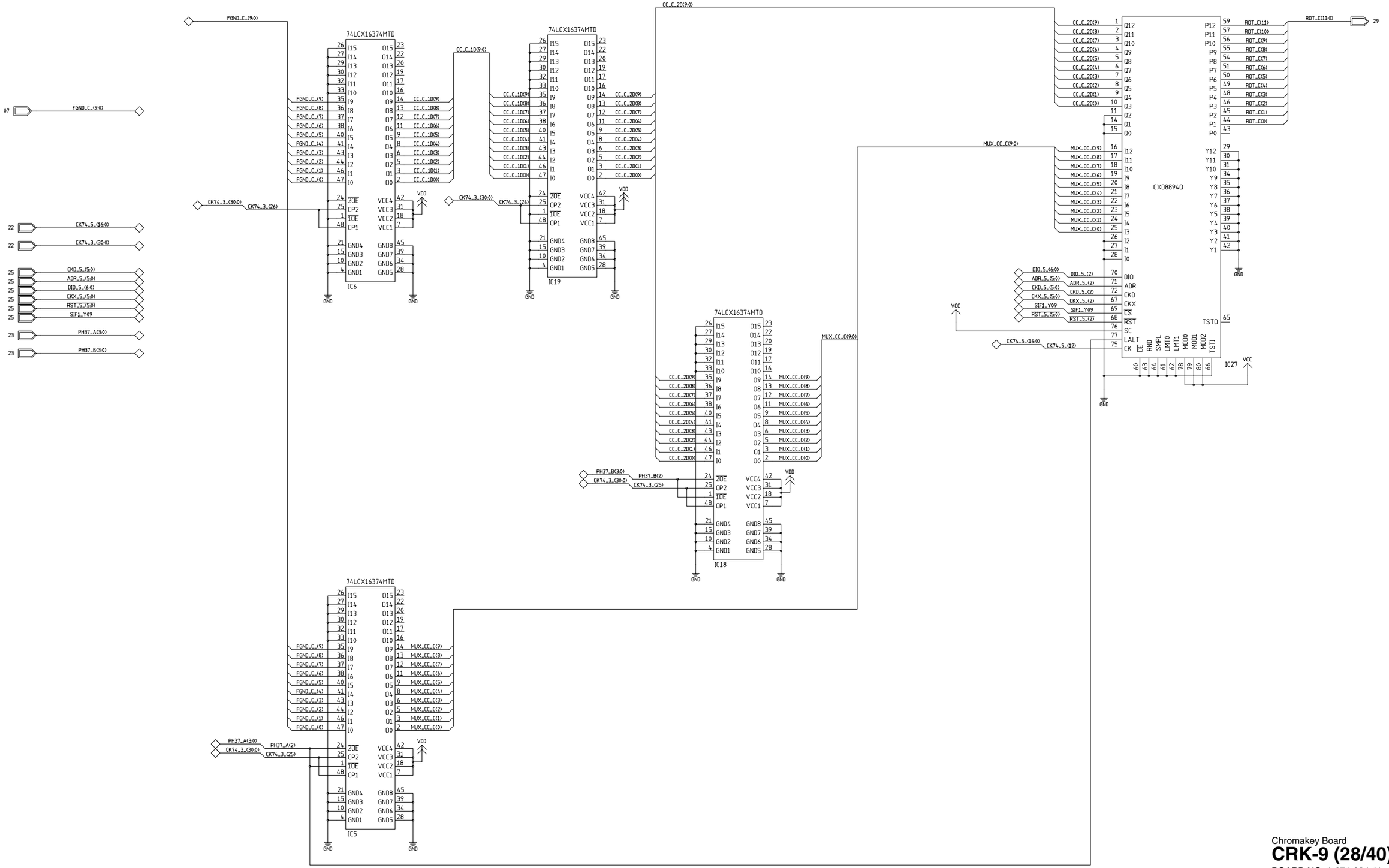
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Chromakey Board
CRK-9 (27/40)
BOARD NO. 1-671-984-11

HKDS-7031

HDS-7000

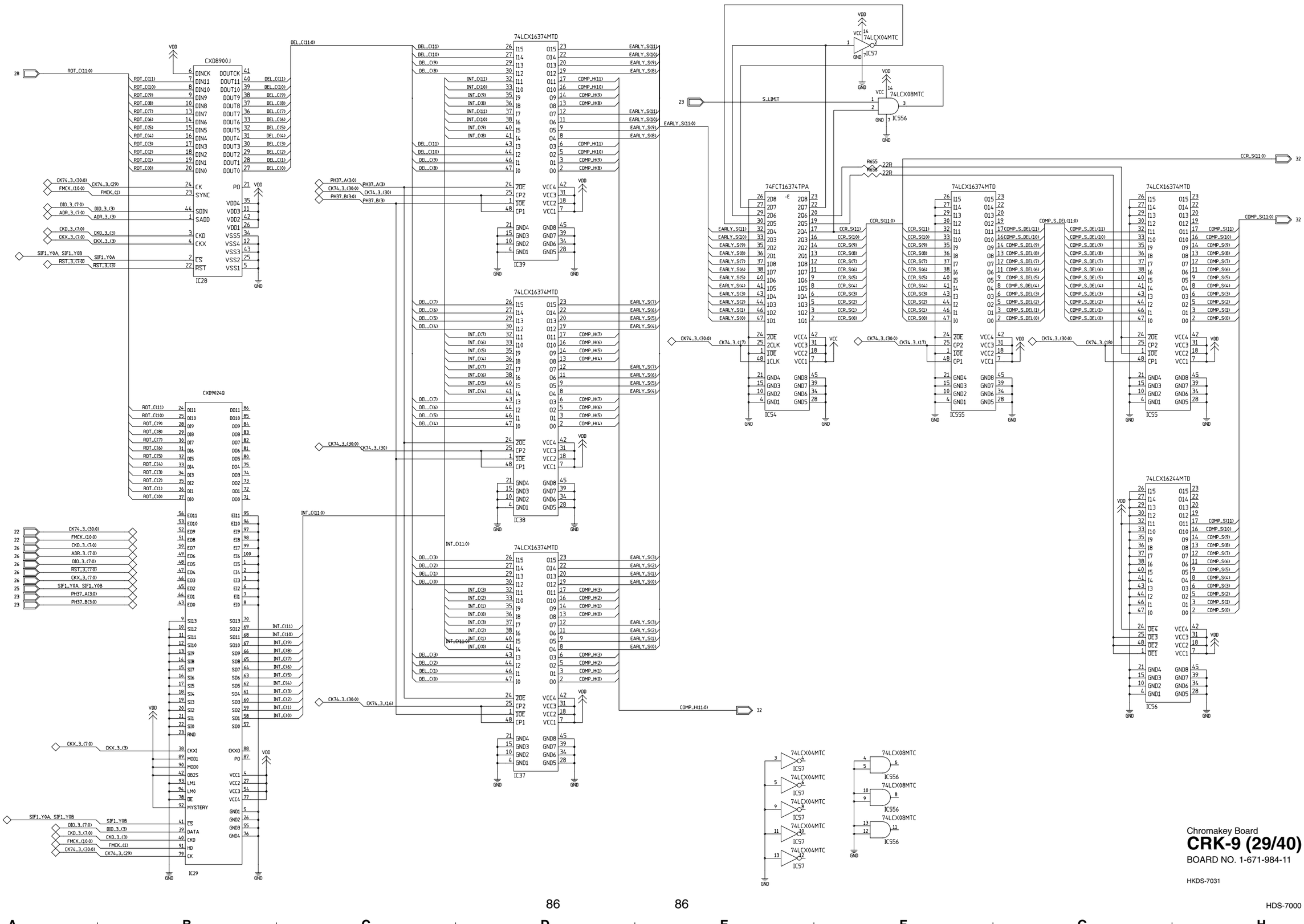
CRK-9 (28/40)



HDS-7000

Chromakey Board
CRK-9 (28/40)
BOARD NO. 1-671-984-11

HKDS-7031



Chromakey Board

CRK-9 (29/40)

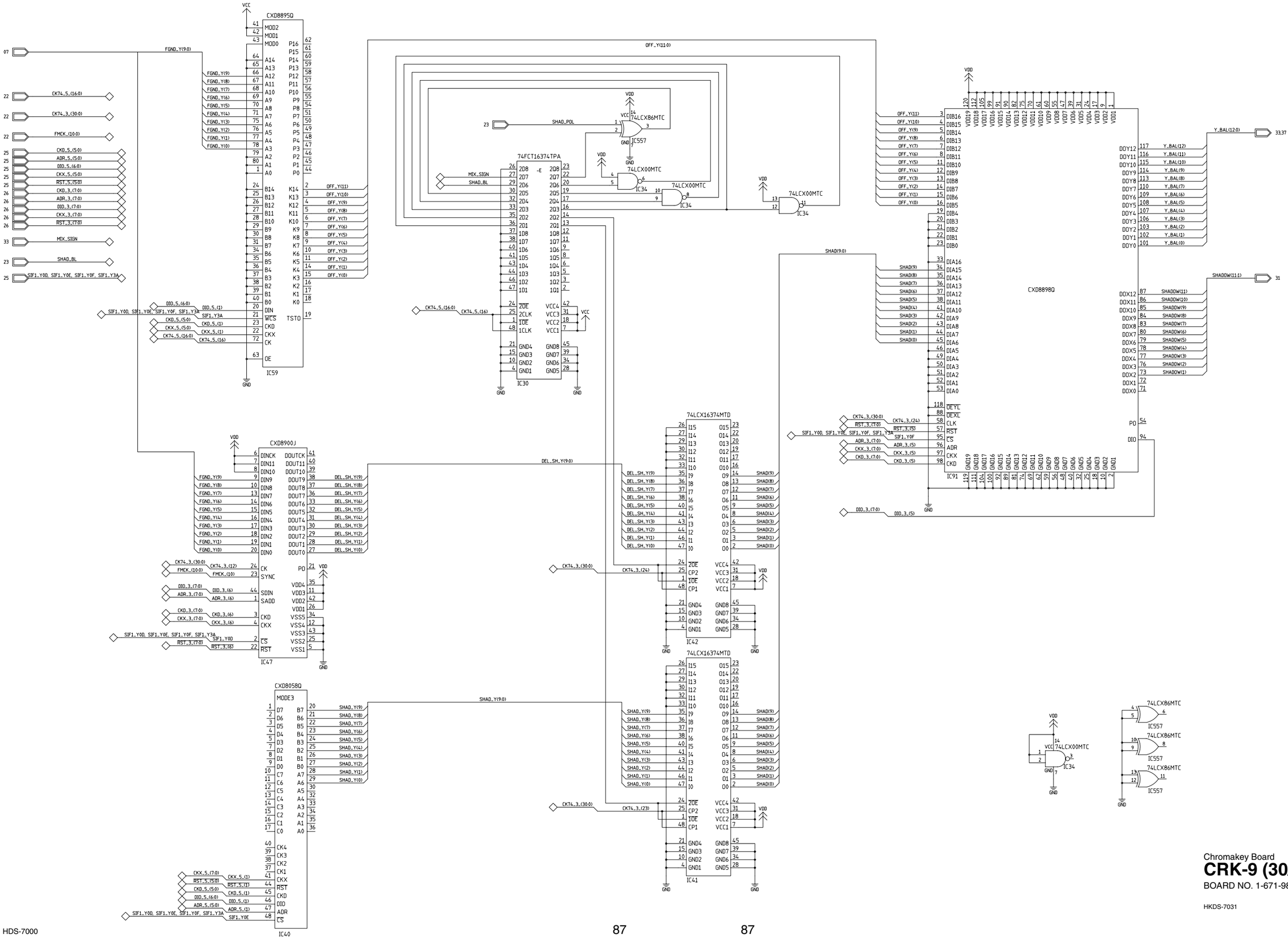
BOARD NO. 1-671-984-11

HKDS-7031

HDS-7000

86 86

CRK-9 (30/40)



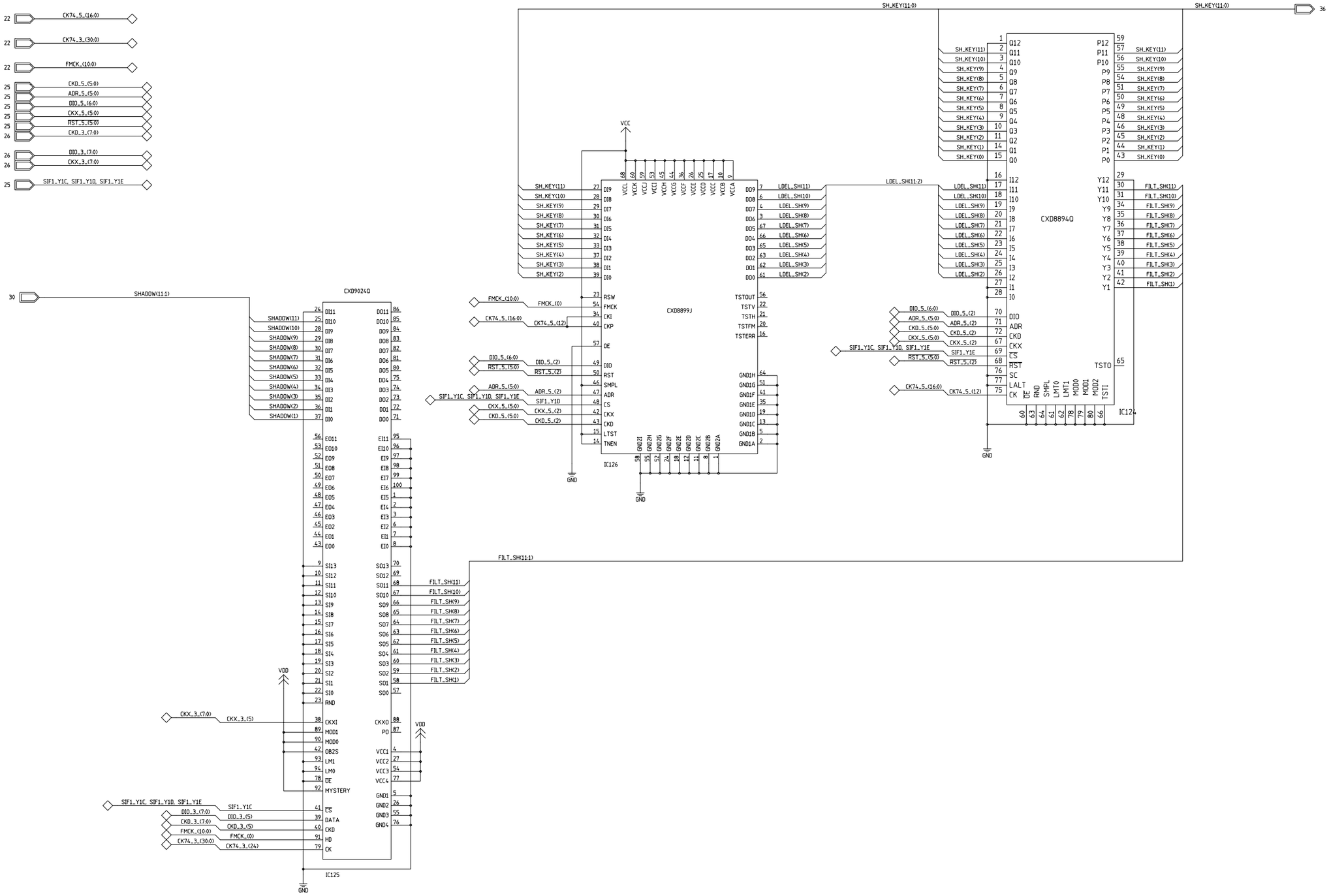
HDS-7000

87 87

Chromakey Board
CRK-9 (30/40)
BOARD NO. 1-671-984-11

HKDS-7031

CRK-9 (31/40)



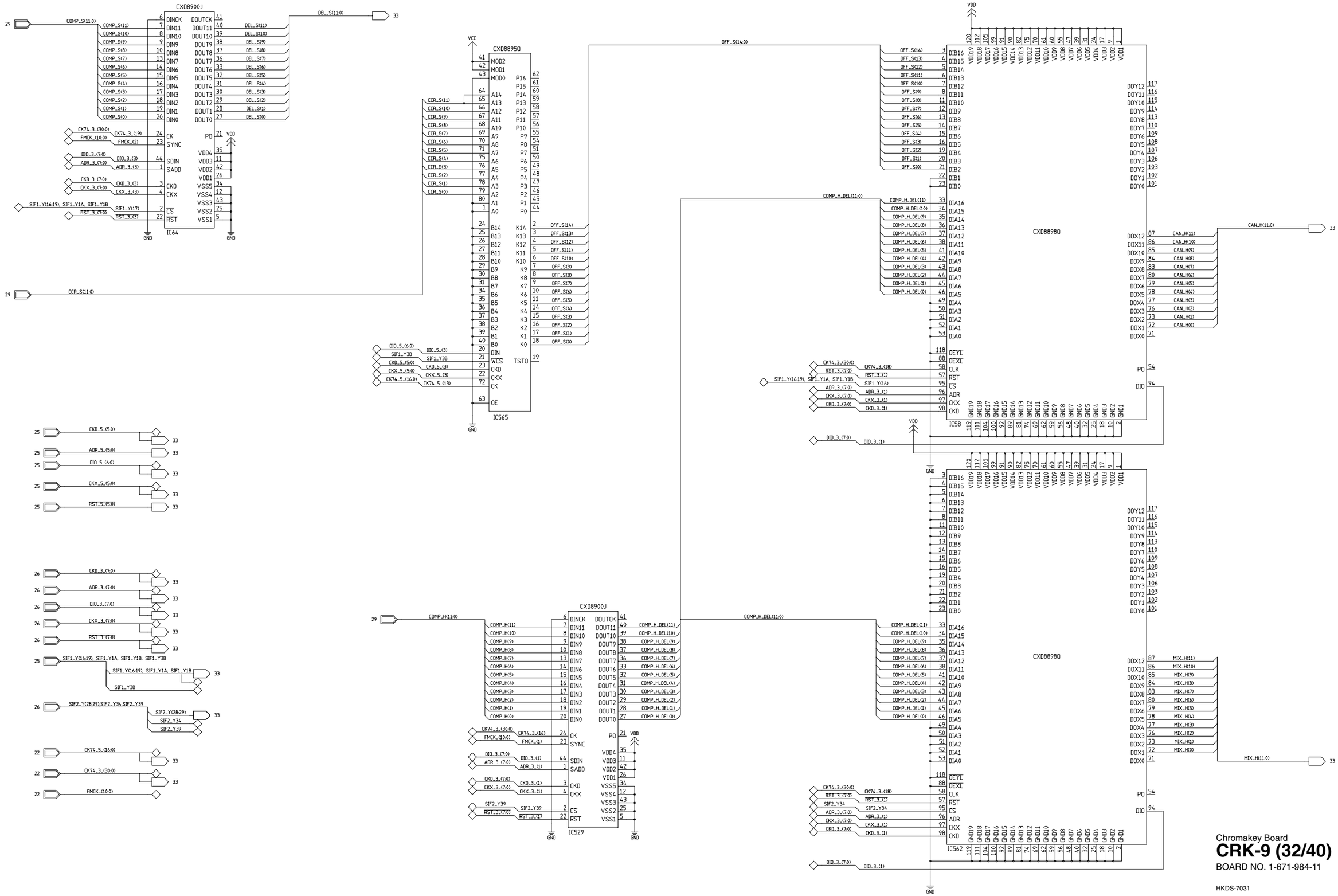
Chromakey Board
CRK-9 (31/40)
BOARD NO. 1-671-984-11

HKDS-7031

88

HDS-7000

CRK-9 (32/40)



HDS-7000

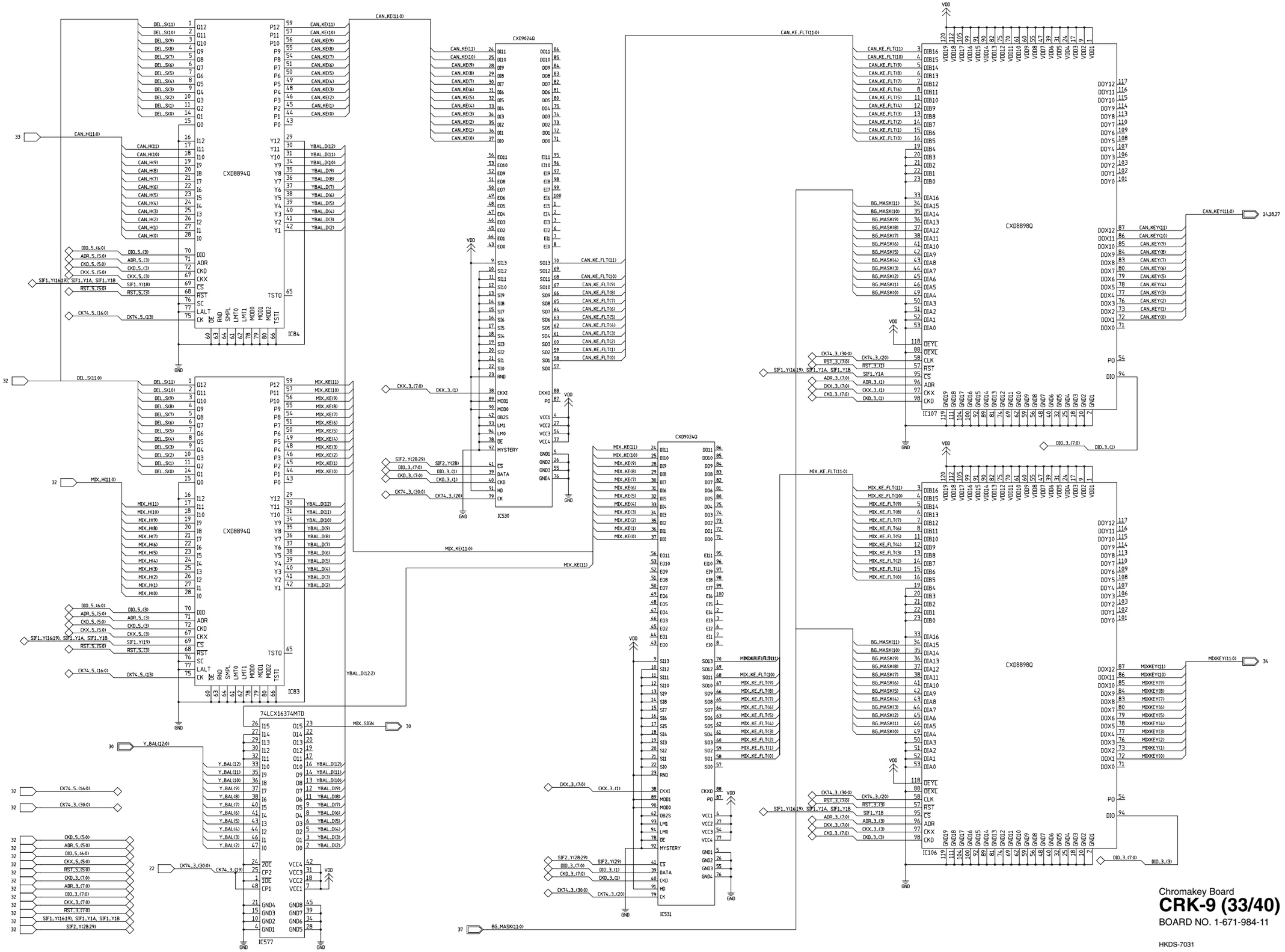
89

89

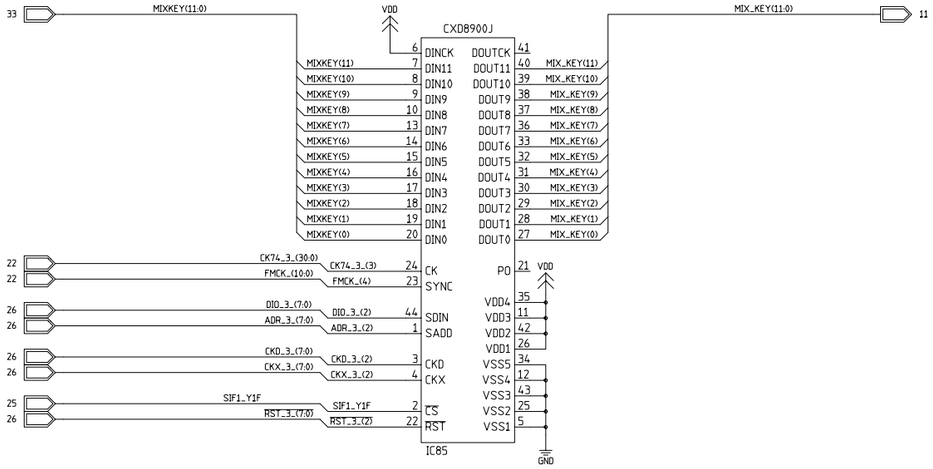
Chromakey Board
CRK-9 (32/40)
BOARD NO. 1-671-984-11

HKDS-7031

CRK-9 (33/40)


CXD8894Q
IC84
IC83
CXD9024Q
IC530
IC531
CXD8898Q
IC107
IC106
74LCX16374MTD
IC577
CAN_KE(11:0)
MIX_KE(11:0)
CAN_KE_FLT(11:0)
MIX_KE_FLT(11:0)
CAN_KEY(11:0)
MIXKEY(11:0)
YBAL_D(12:2)
MIX_SIGN
BG_MASK(11:0)
CAN_H(11:0)
DEL_S(11:0)
MIX_H(11:0)
Y_BAL(12:0)
SIF1_Y(16:19), SIF1_Y1A, SIF1_Y1B
SIF2_Y(28:29)
CK74_5_(16:0)
CK74_3_(30:0)
DIO_5_(6:0)
ADR_5_(5:0)
CKD_5_(5:0)
CKX_5_(5:0)
RST_5_(5:0)
CKX_3_(7:0)
CKD_3_(7:0)
DIO_3_(7:0)
Chromakey Board
CRK-9 (33/40)
BOARD NO. 1-671-984-11
HKDS-7031
HDS-7000

CRK-9 (34/40)



Chromakey Board
CRK-9 (34/40)
BOARD NO. 1-671-984-11

HKDS-7031

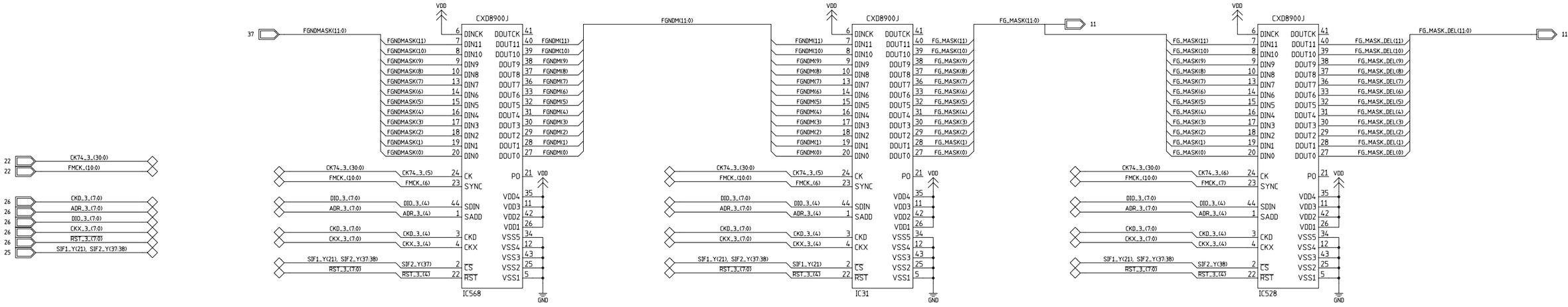
HDS-7000

91 91

A B C D E F G H

1 2 3 4 5

CRK-9 (35/40)

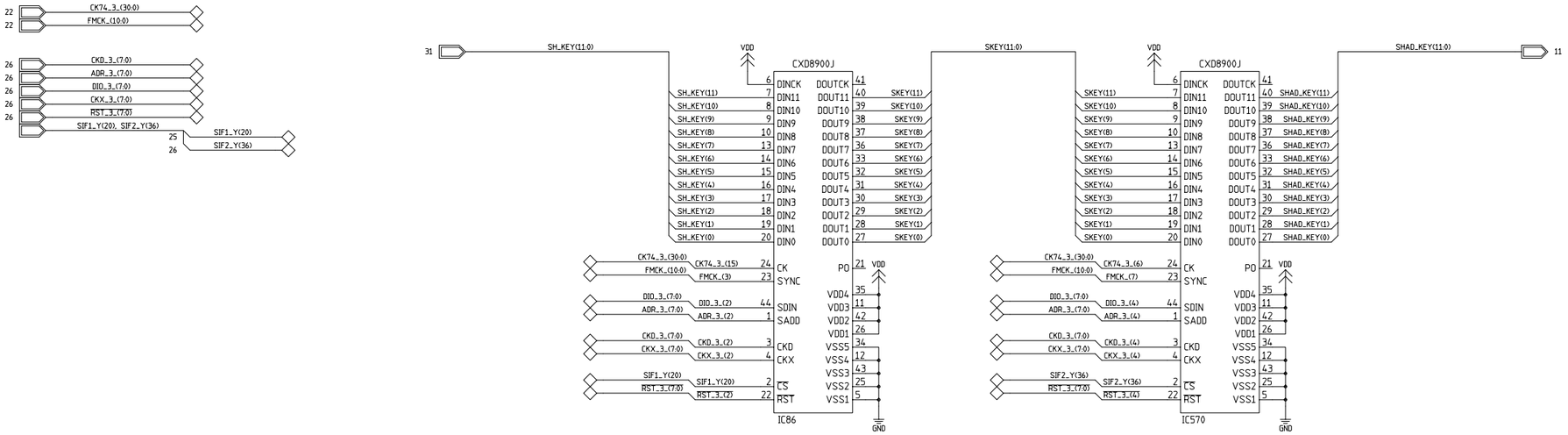


Chromakey Board
CRK-9 (35/40)
BOARD NO. 1-671-984-11

HKDS-7031

HDS-7000

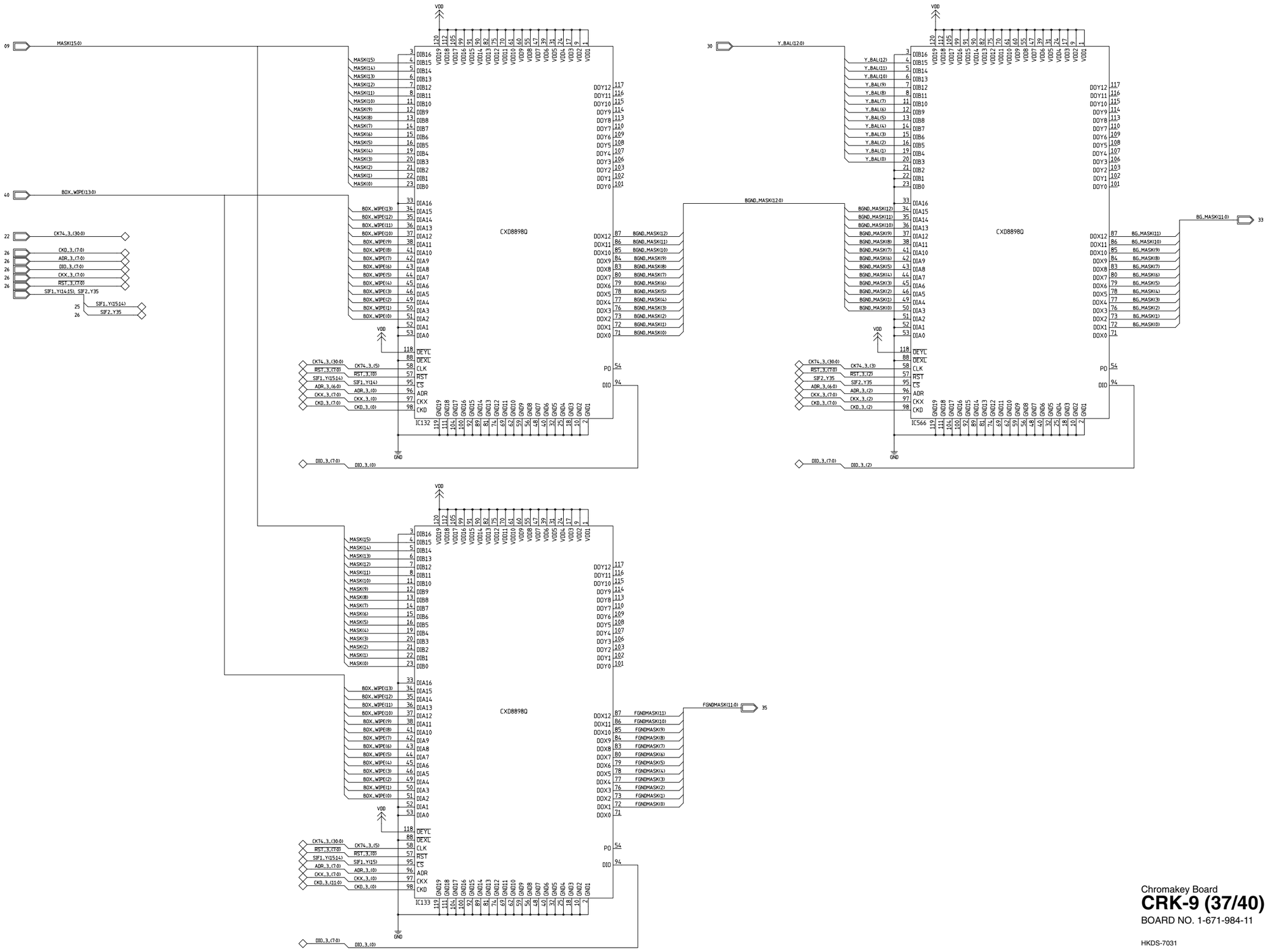
CRK-9 (36/40)



Chromakey Board
CRK-9 (36/40)
BOARD NO. 1-671-984-11

HKDS-7031

CRK-9 (37/40)

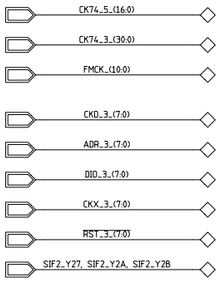


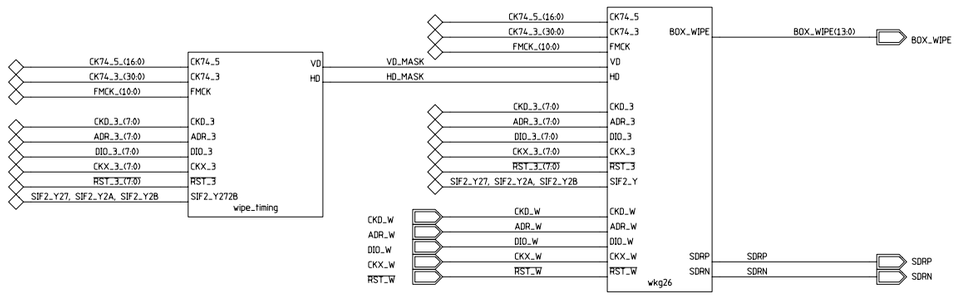
Chromakey Board
CRK-9 (37/40)
BOARD NO. 1-671-984-11

HKDS-7031

HDS-7000

CRK-9 (38/40)

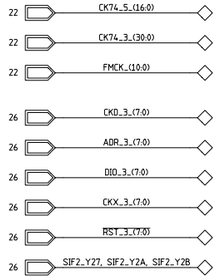


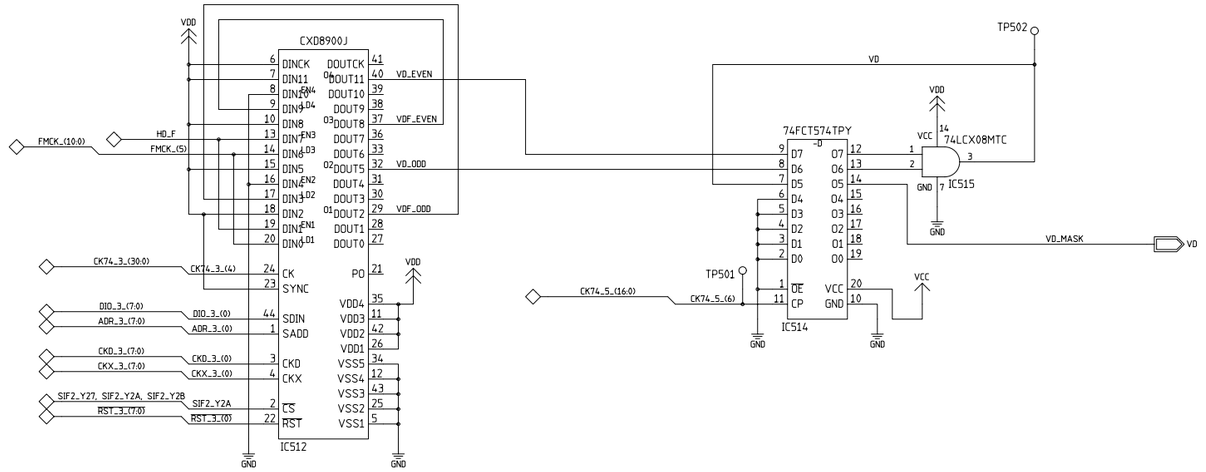


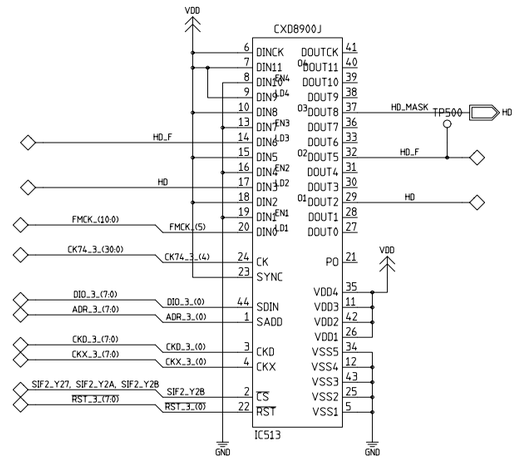
Chromakey Board
CRK-9 (38/40)
BOARD NO. 1-671-984-11

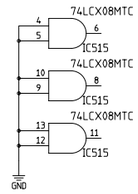
HKDS-7031

CRK-9 (39/40)









Chromakey Board
CRK-9 (39/40)
BOARD NO. 1-671-984-11

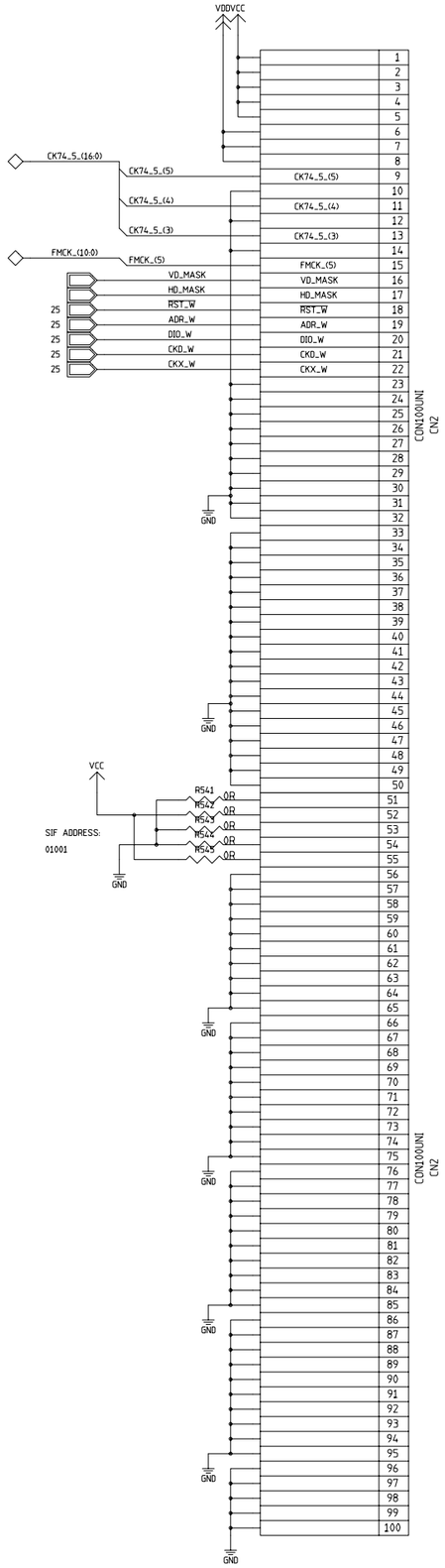
HKDS-7031

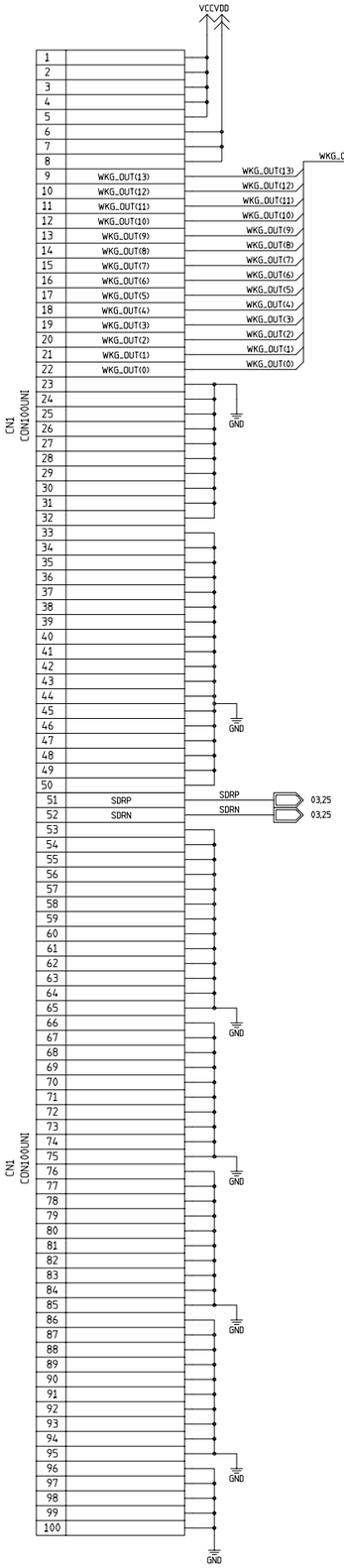
HDS-7000

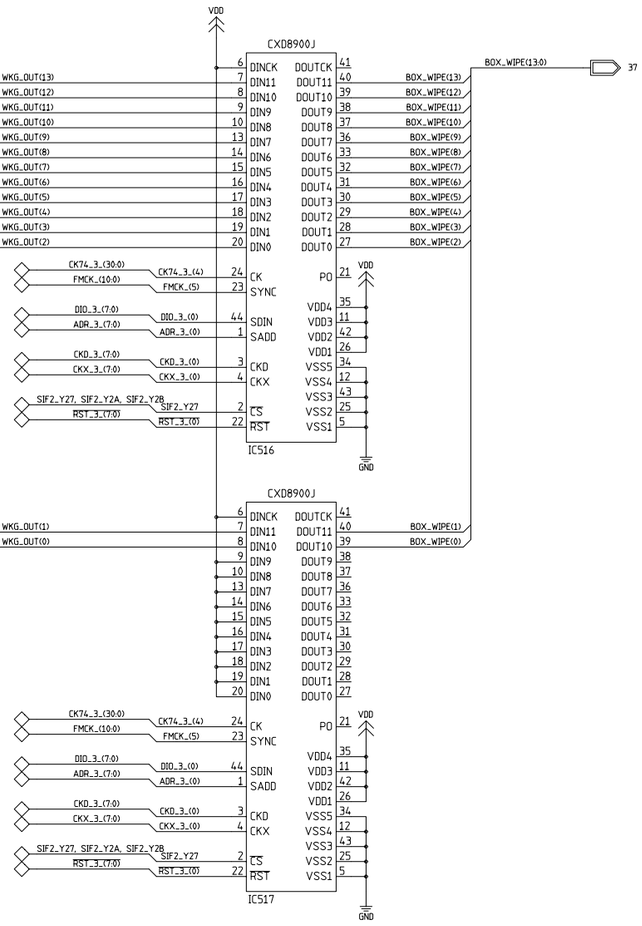
96

CRK-9 (40/40)

22 CK74_5_(16:0)
22 CK74_3_(30:0)
22 FMCK_(10:0)
26 CKD_3_(7:0)
26 ADR_3_(7:0)
26 DIO_3_(7:0)
26 CKX_3_(7:0)
26 RST_3_(7:0)
26 SIF2_Y27, SIF2_Y2A, SIF2_Y2B





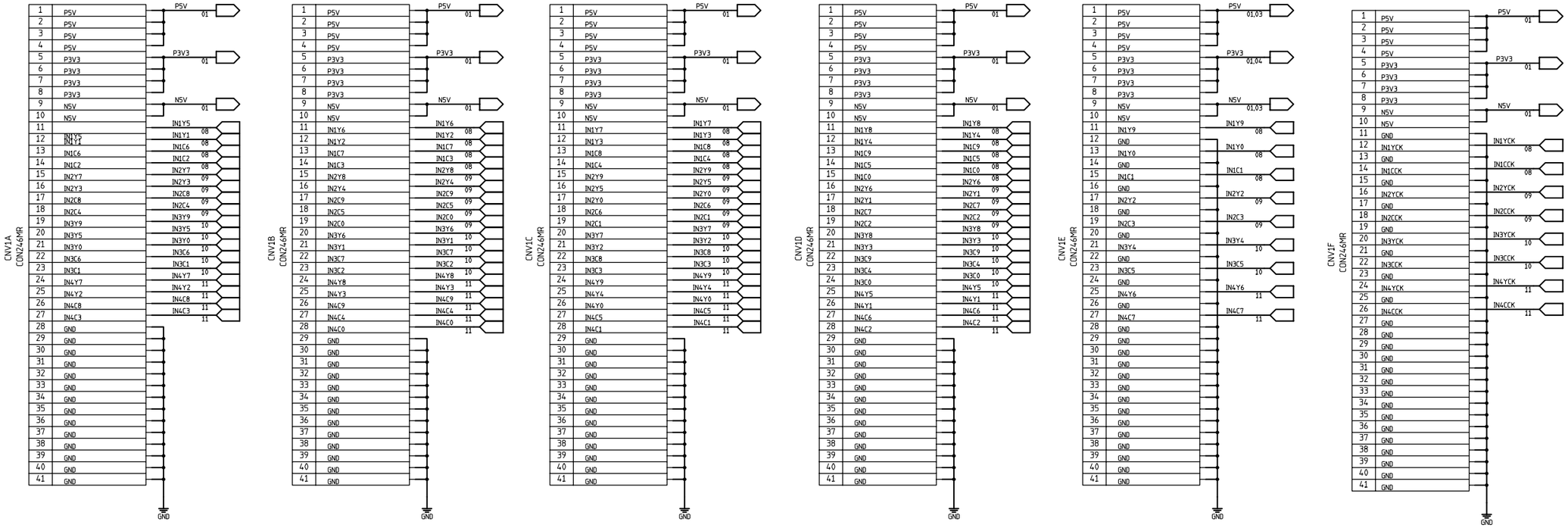


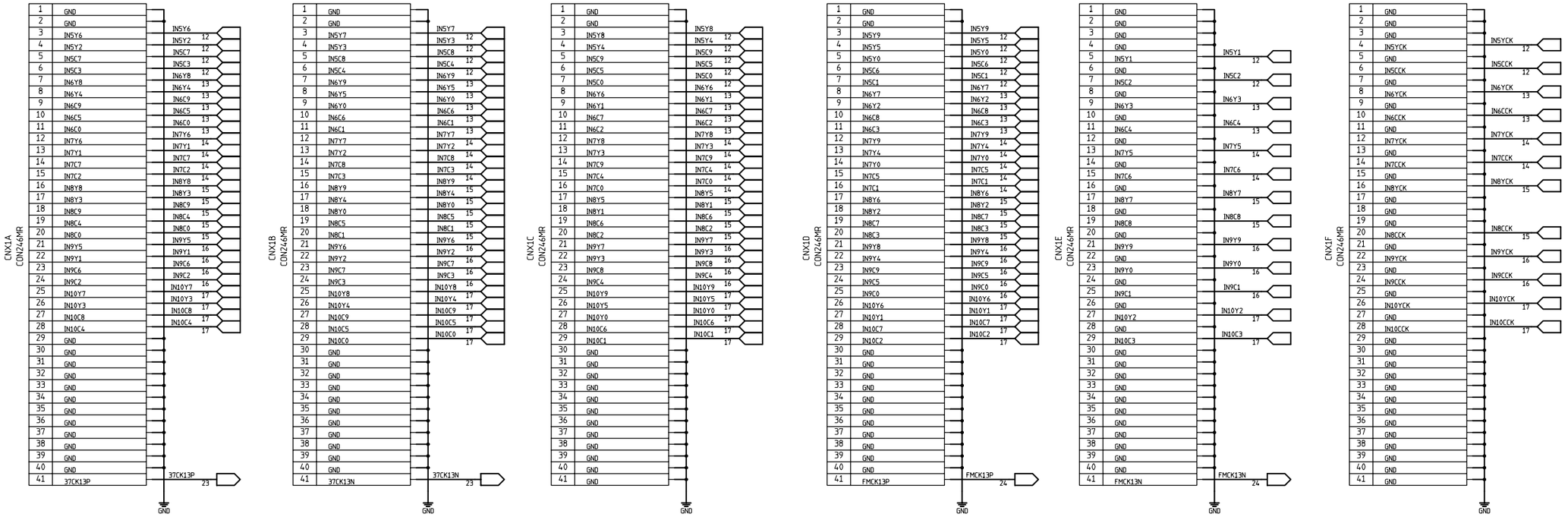
HDS-7000

Chromakey Board
CRK-9 (40/40)
BOARD NO. 1-671-984-11

HKDS-7031

DI-21 (1/31)





Input Board

DI-21 (1/31)

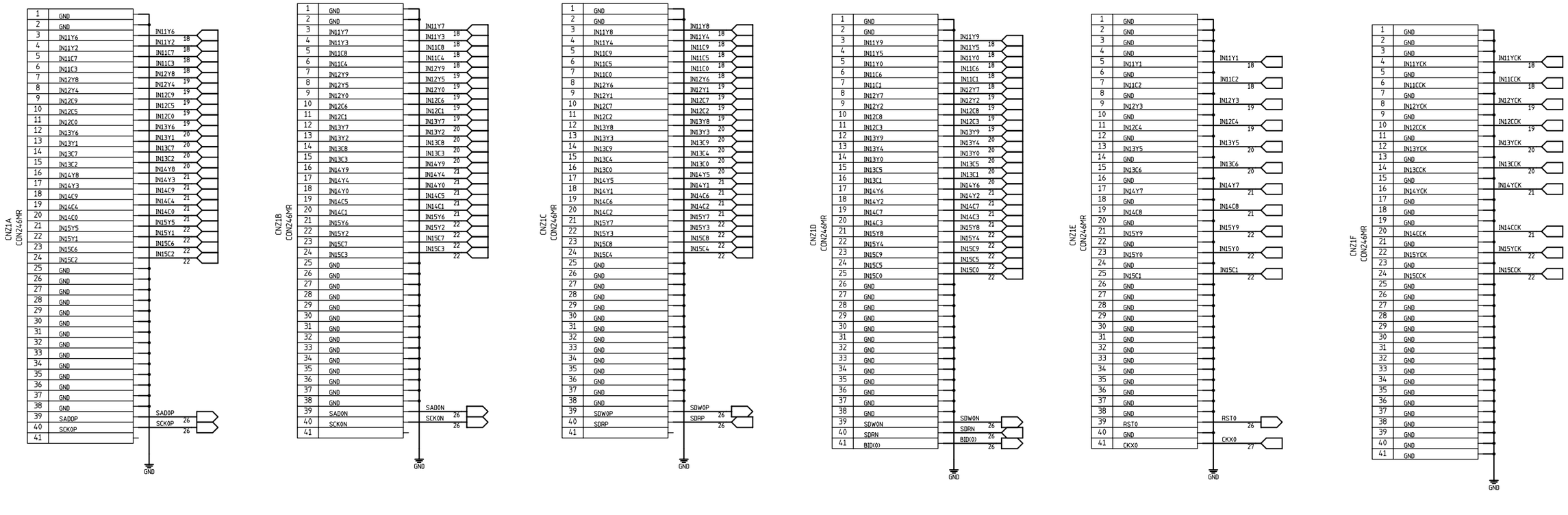
BOARD NO. 1-668-546-11

HDS-7000

HDS-7000

98

DI-21 (2/31)



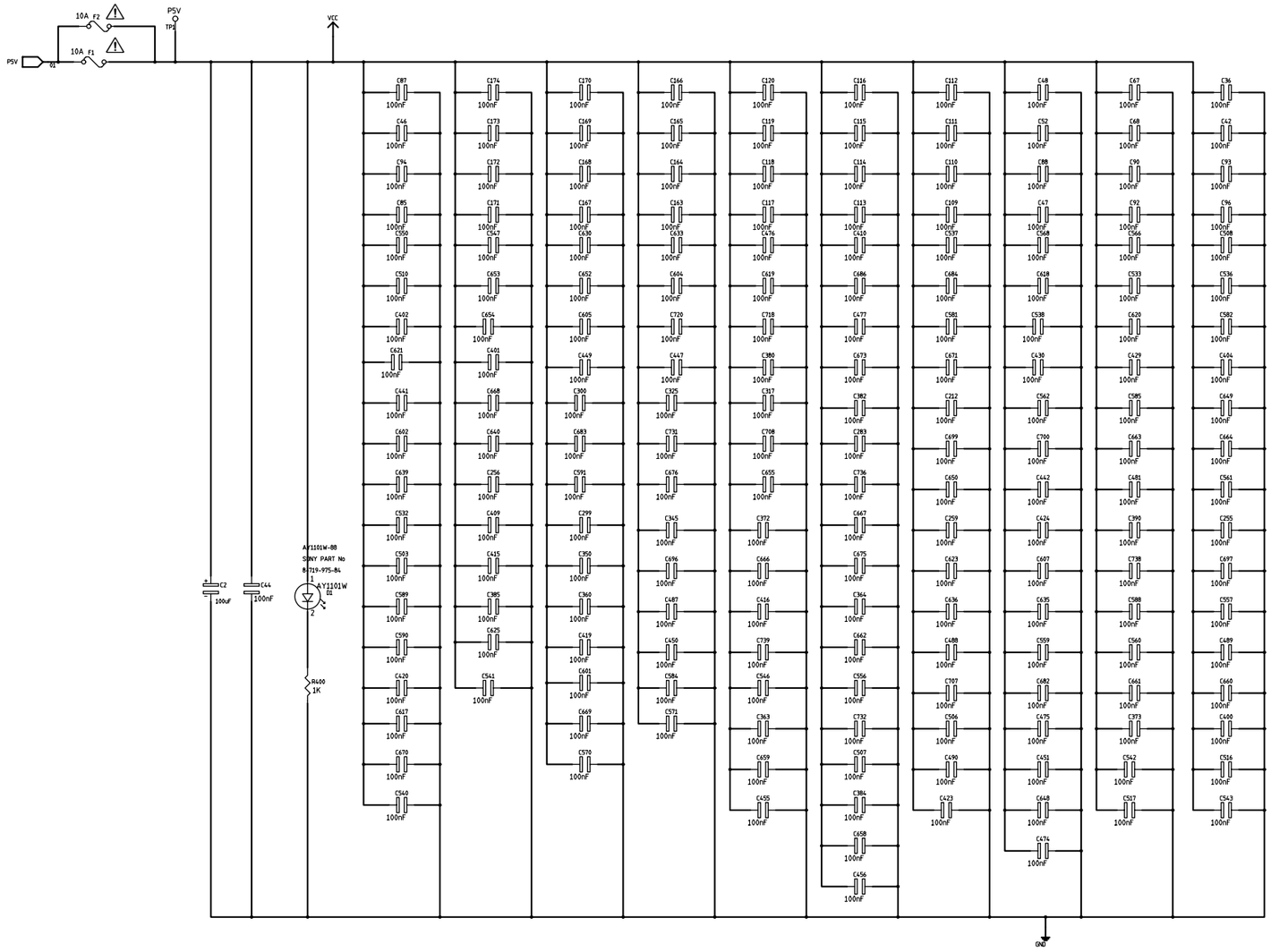
99

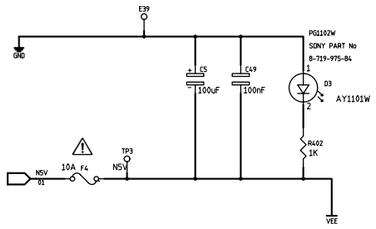
99

Input Board
DI-21 (2/31)
BOARD NO. 1-668-546-11

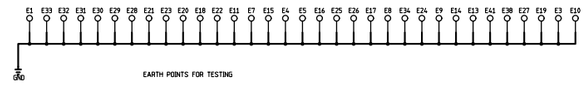
HDS-7000

DI-21 (3/31)





Number of Capacitor = 230 (21/4/97)



Input Board
DI-21 (3/31)
BOARD NO. 1-668-546-11

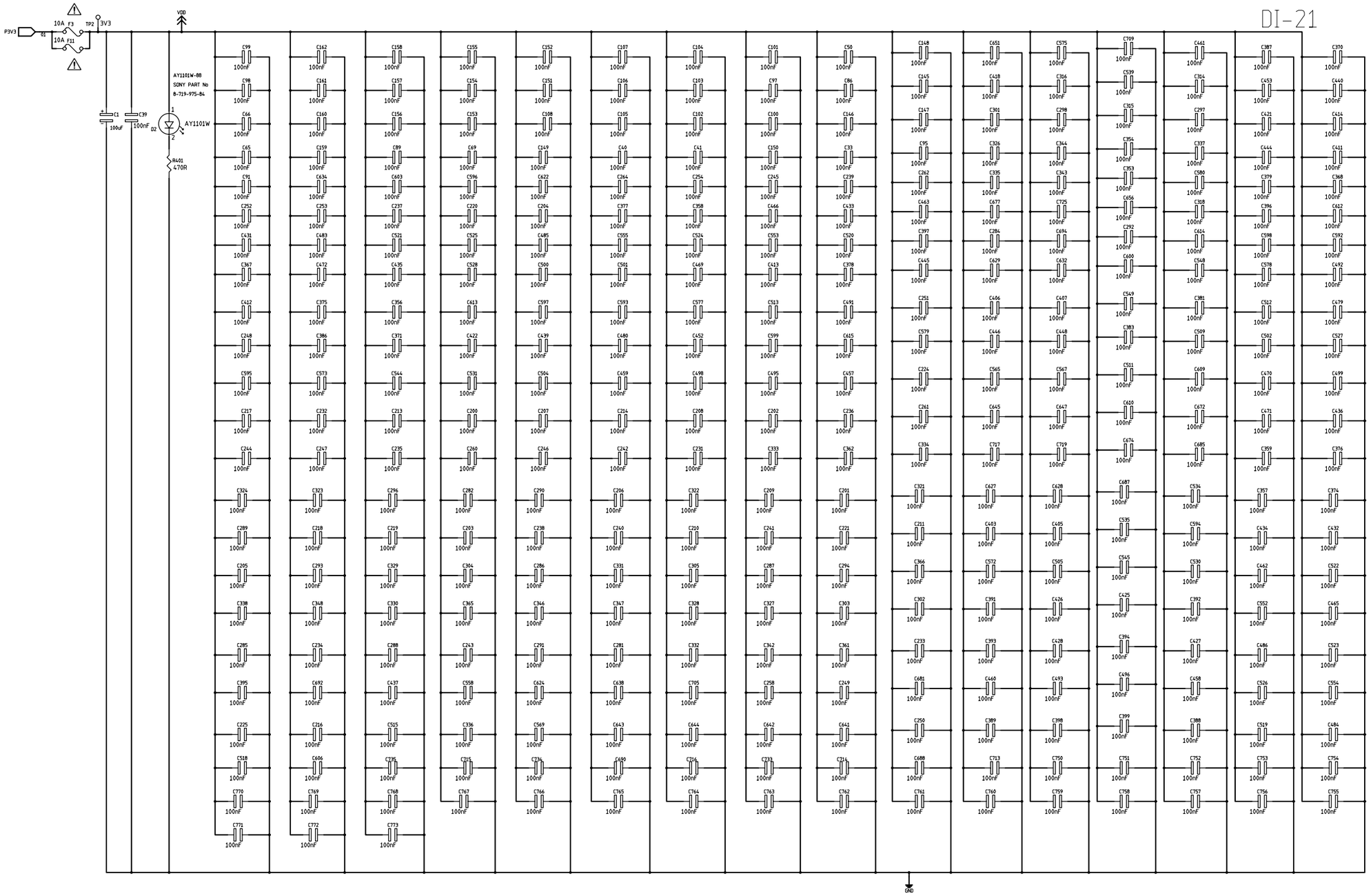
HDS-7000

HDS-7000

100 100

A B C D E F G H

DI-21 (4/31)



Number of Capictors = 204 (30/09/97)

Input Board
DI-21 (4/31)
BOARD NO. 1-668-546-11

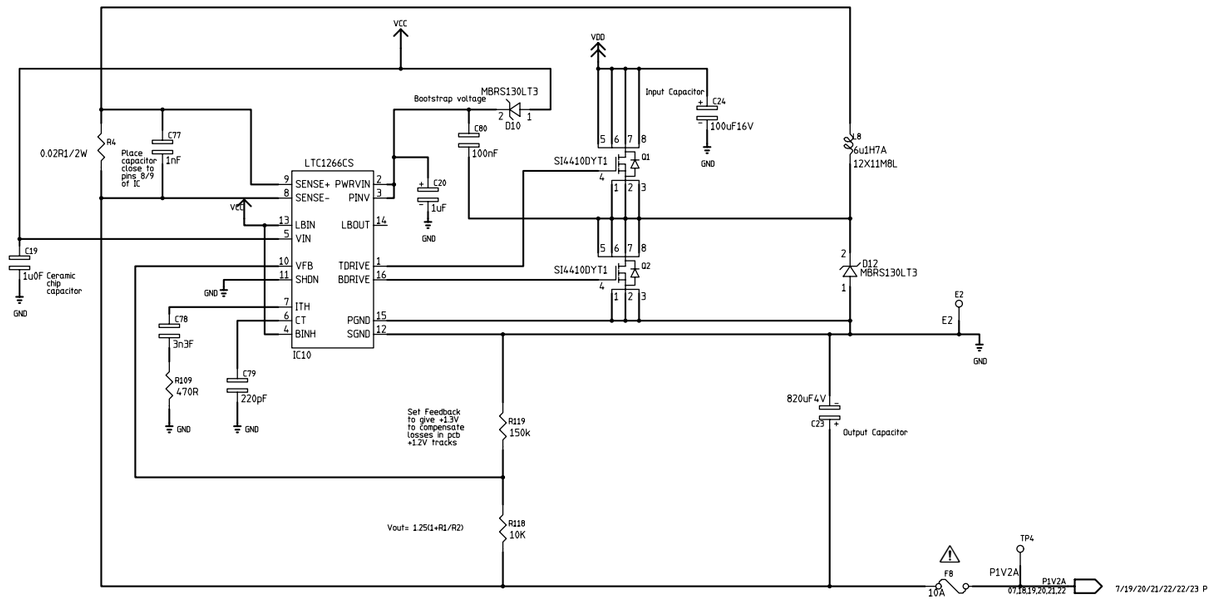
HDS-7000

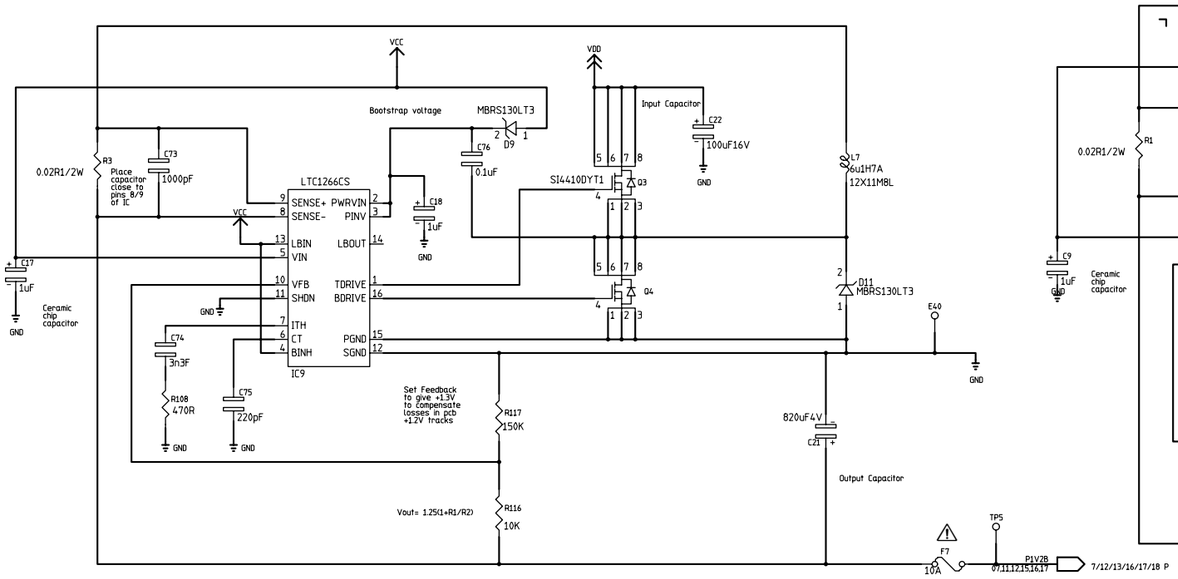
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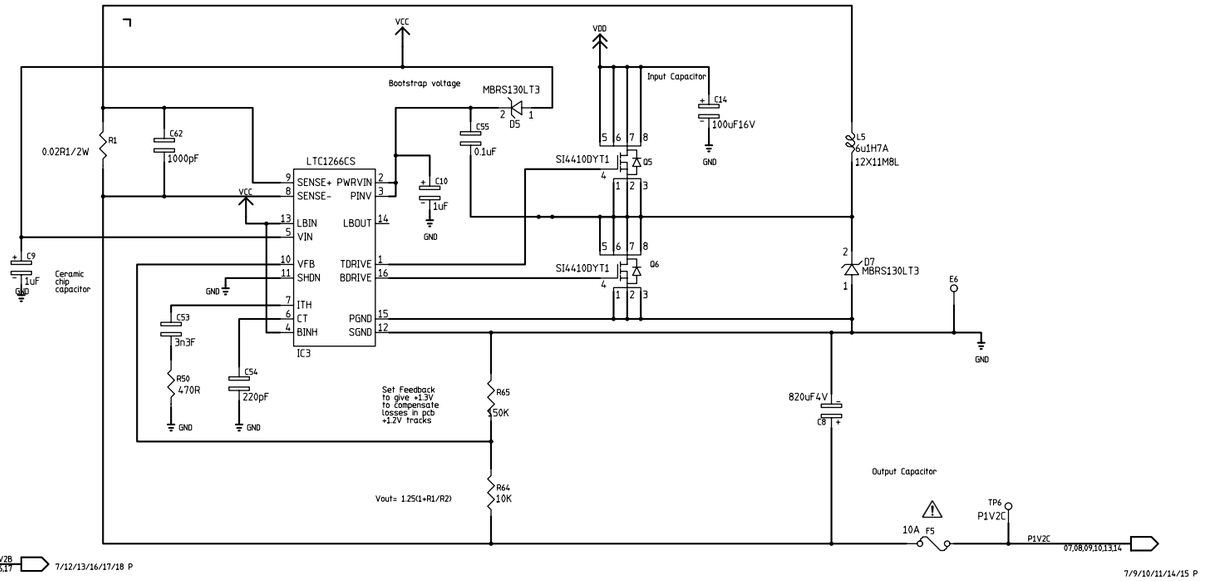
101 101

A B C D E F G H

1 2 3 4 5

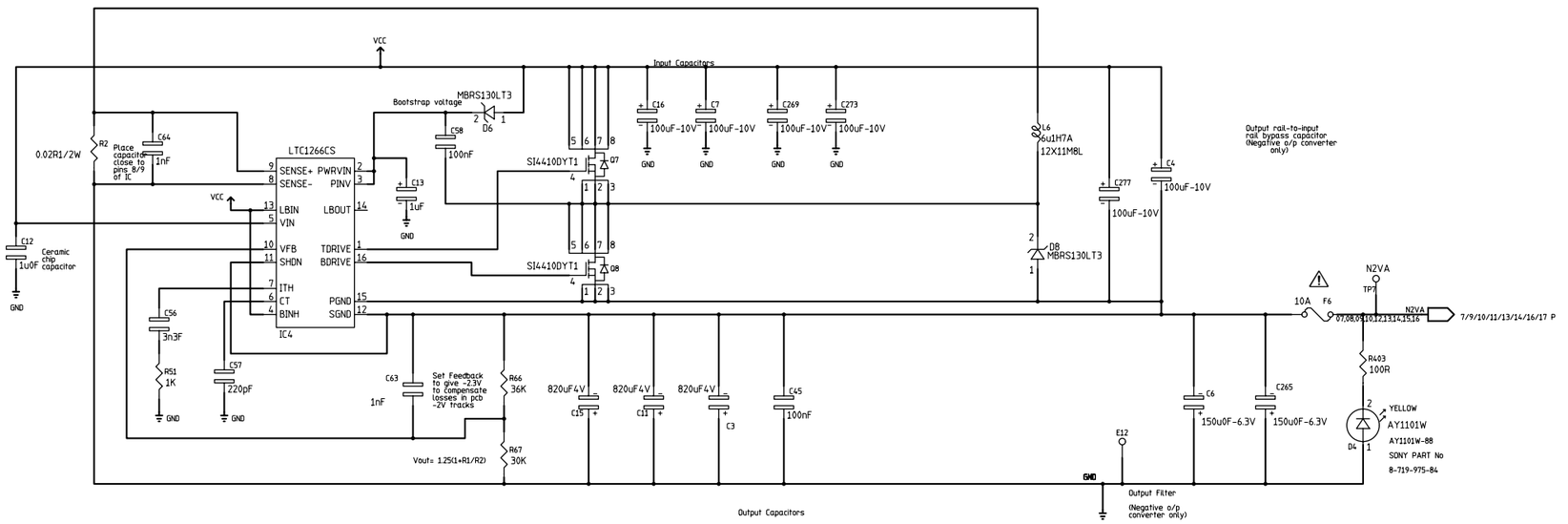


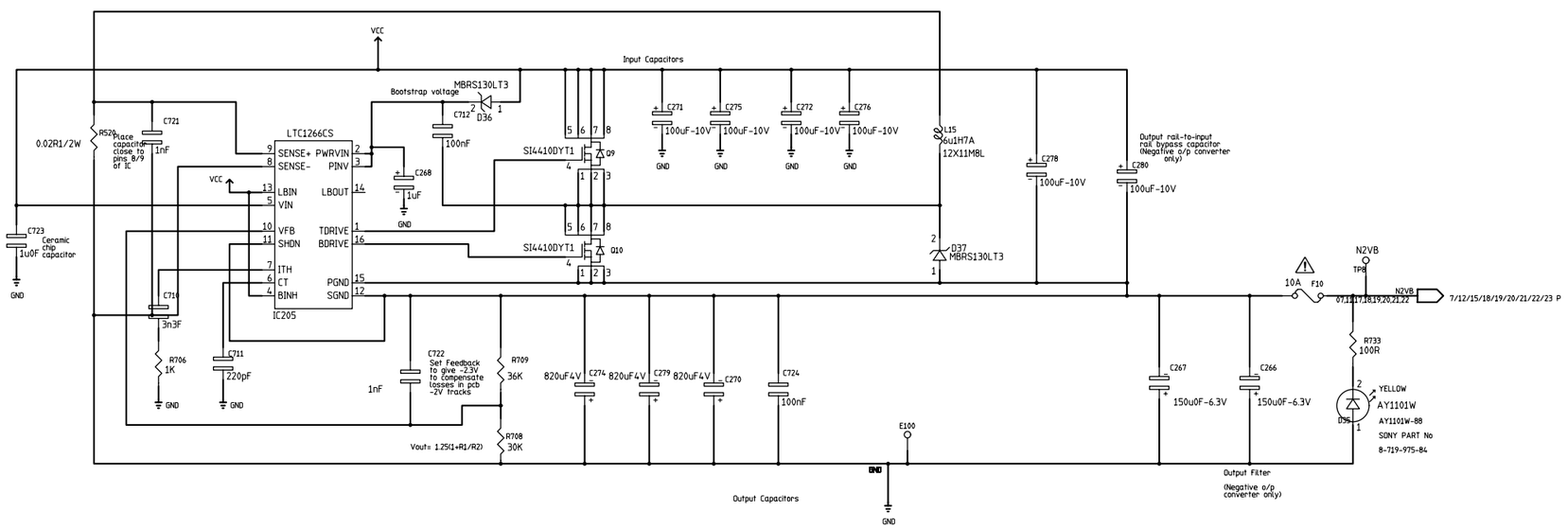




Input Board
DI-21 (5/31)
BOARD NO. 1-668-546-11

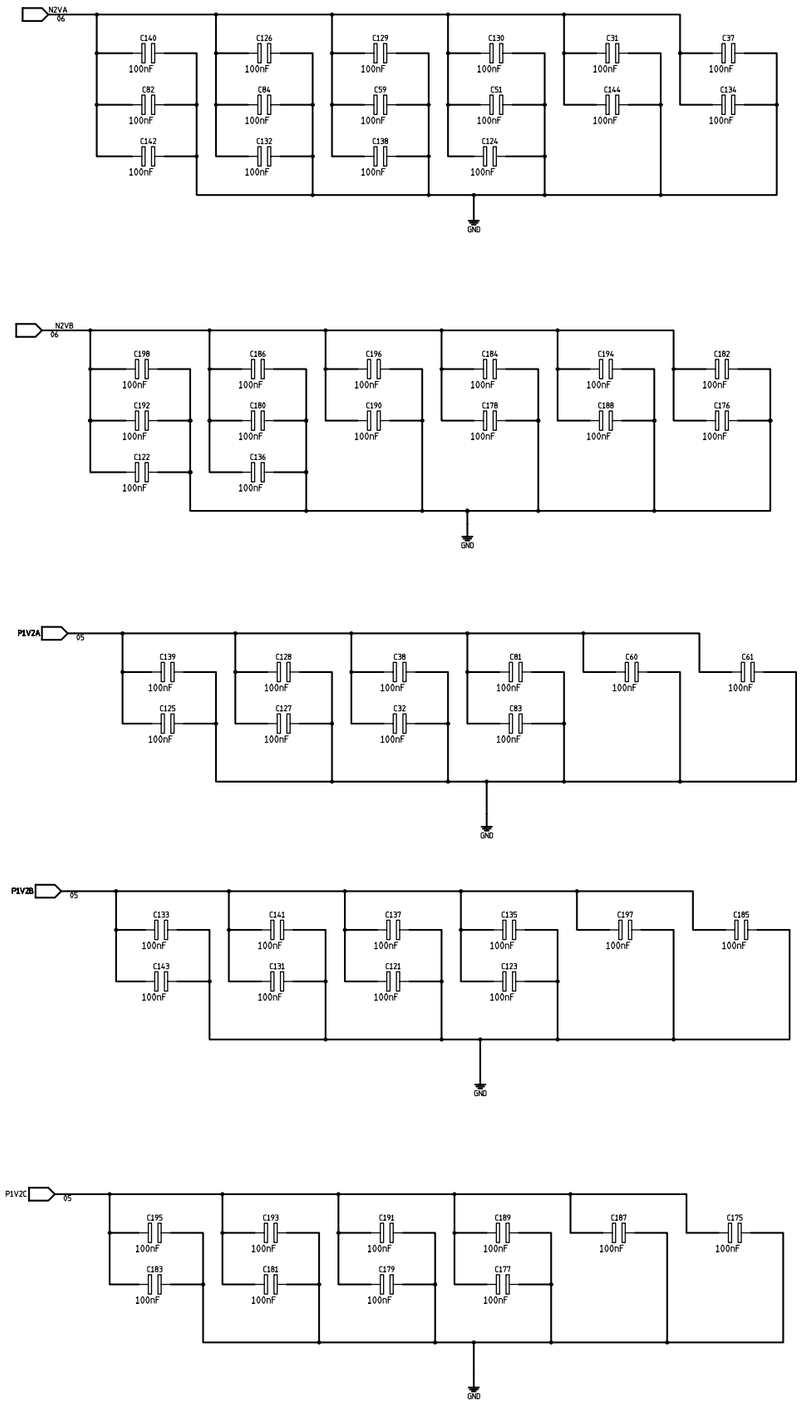
HDS-7000





Input Board
DI-21 (6/31)
BOARD NO. 1-668-546-11

DI-21 (7/31)



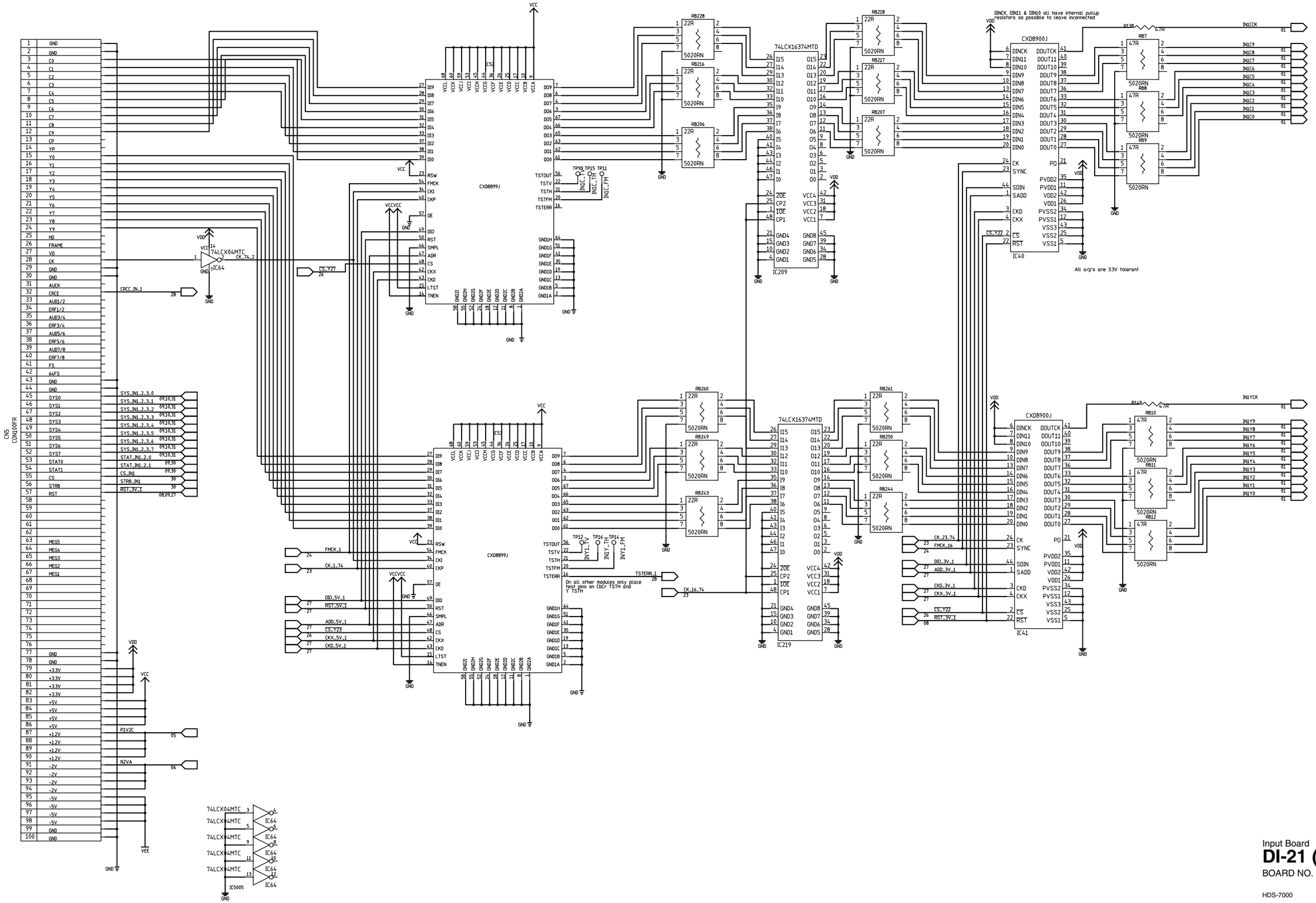
Input Board
DI-21 (7/31)
BOARD NO. 1-668-546-11

HDS-7000

104

HDS-7000

DI-21 (8/31)



Input Board
DI-21 (8/31)
BOARD NO. 1-668-546-11

HDS-7000

105
HDS-7000

DI-21 (9/31)

DINCK, DIN11 & DIN10 all have internal pullup resistors so possible to leave inconnected

All o/p's are 3.3V tolerant

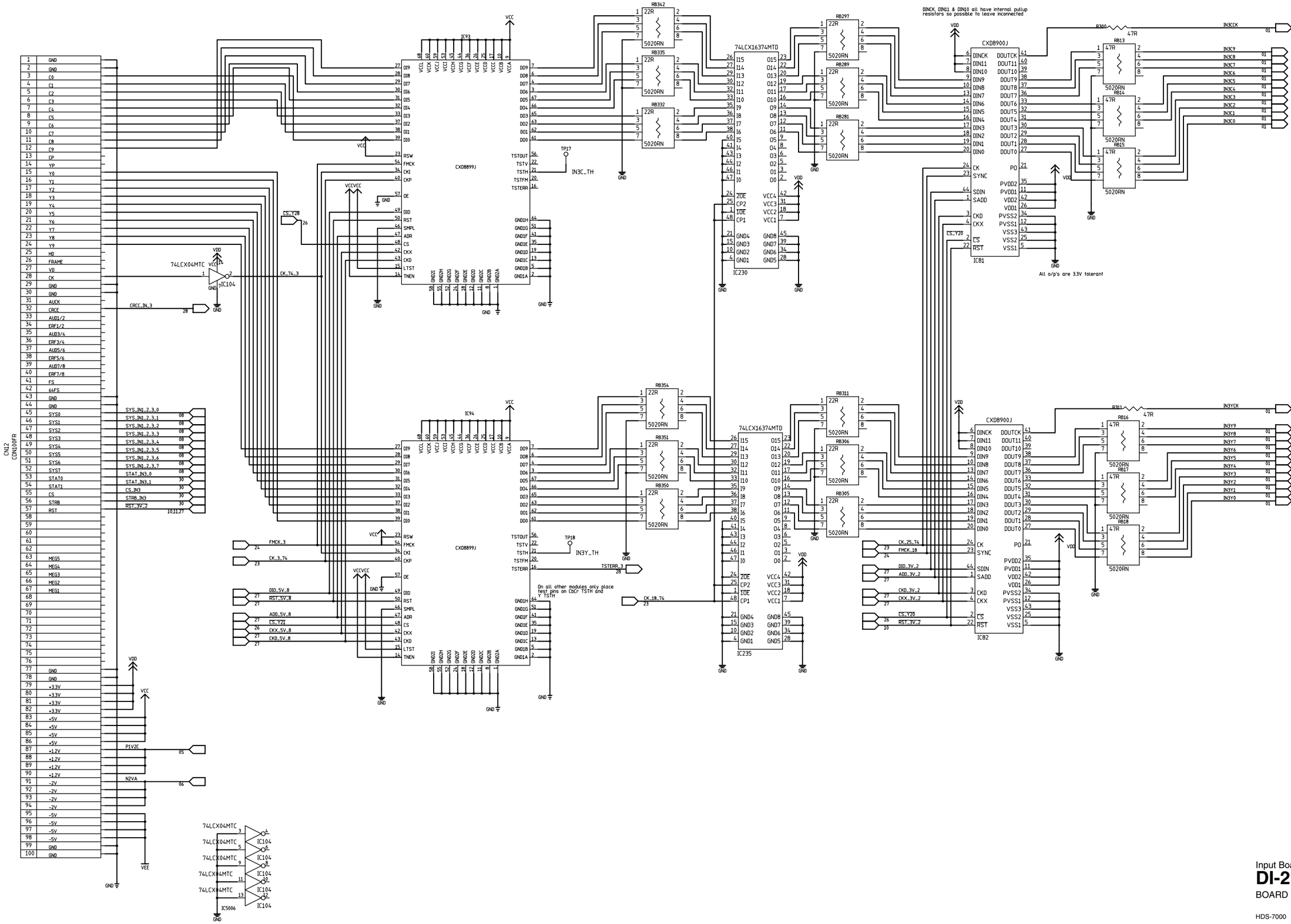
On all other modules only place Test pins on CDC: TSTH and Y TSTH

106

Input Board
DI-21 (9/31)
BOARD NO. 1-668-546-11

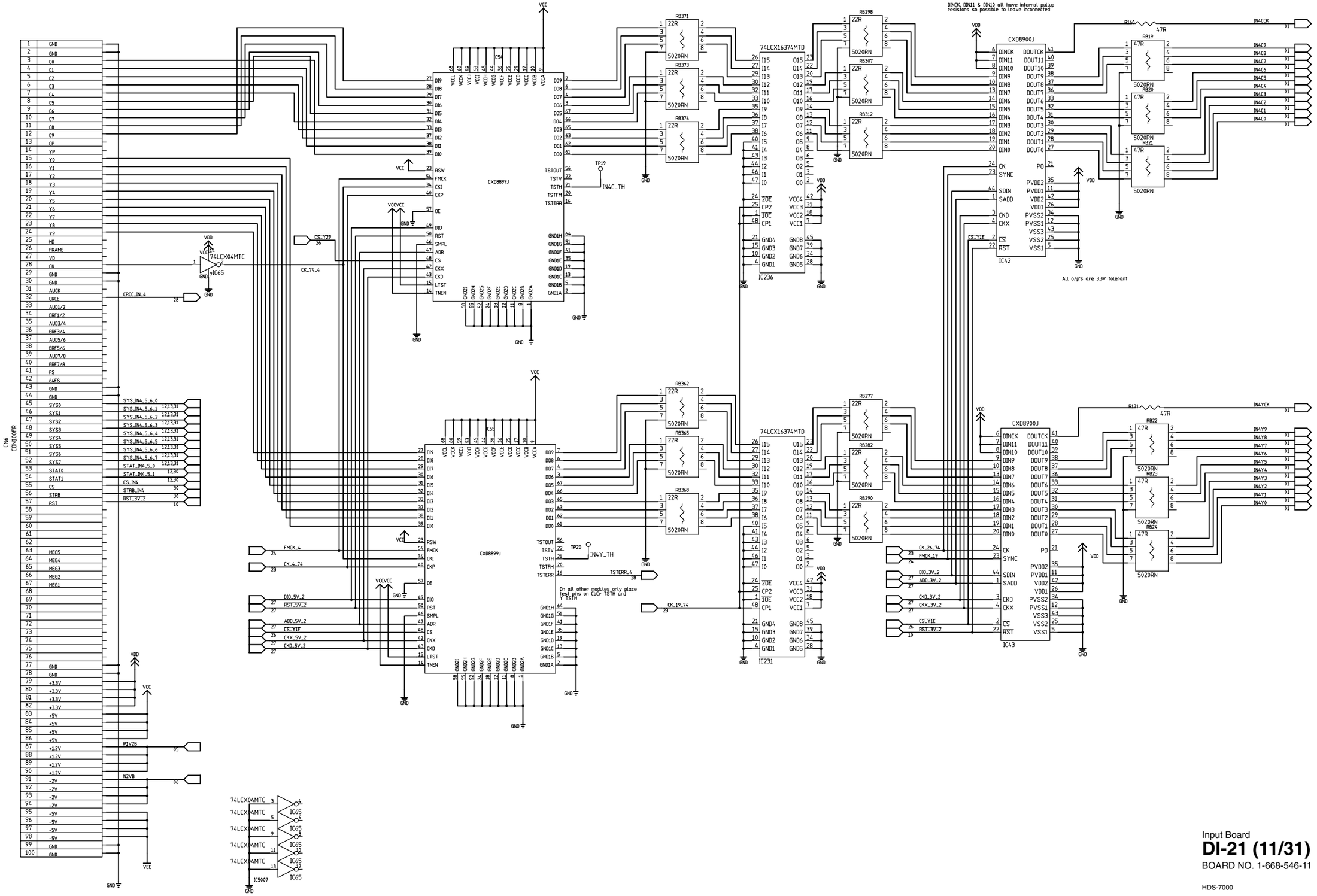
HDS-7000

HDS-7000



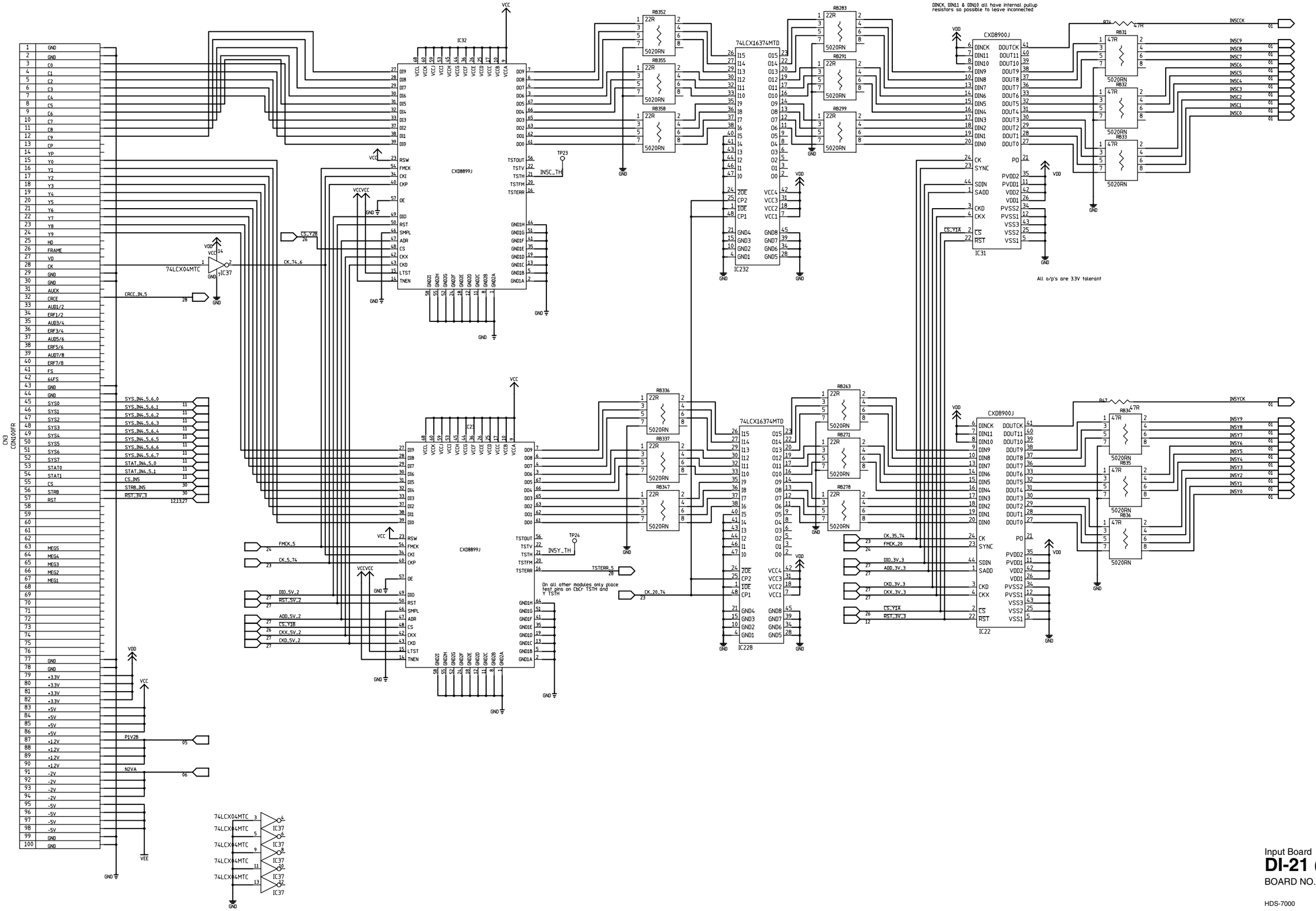
Input Board
DI-21 (10/31)
BOARD NO. 1-668-546-11

HDS-7000



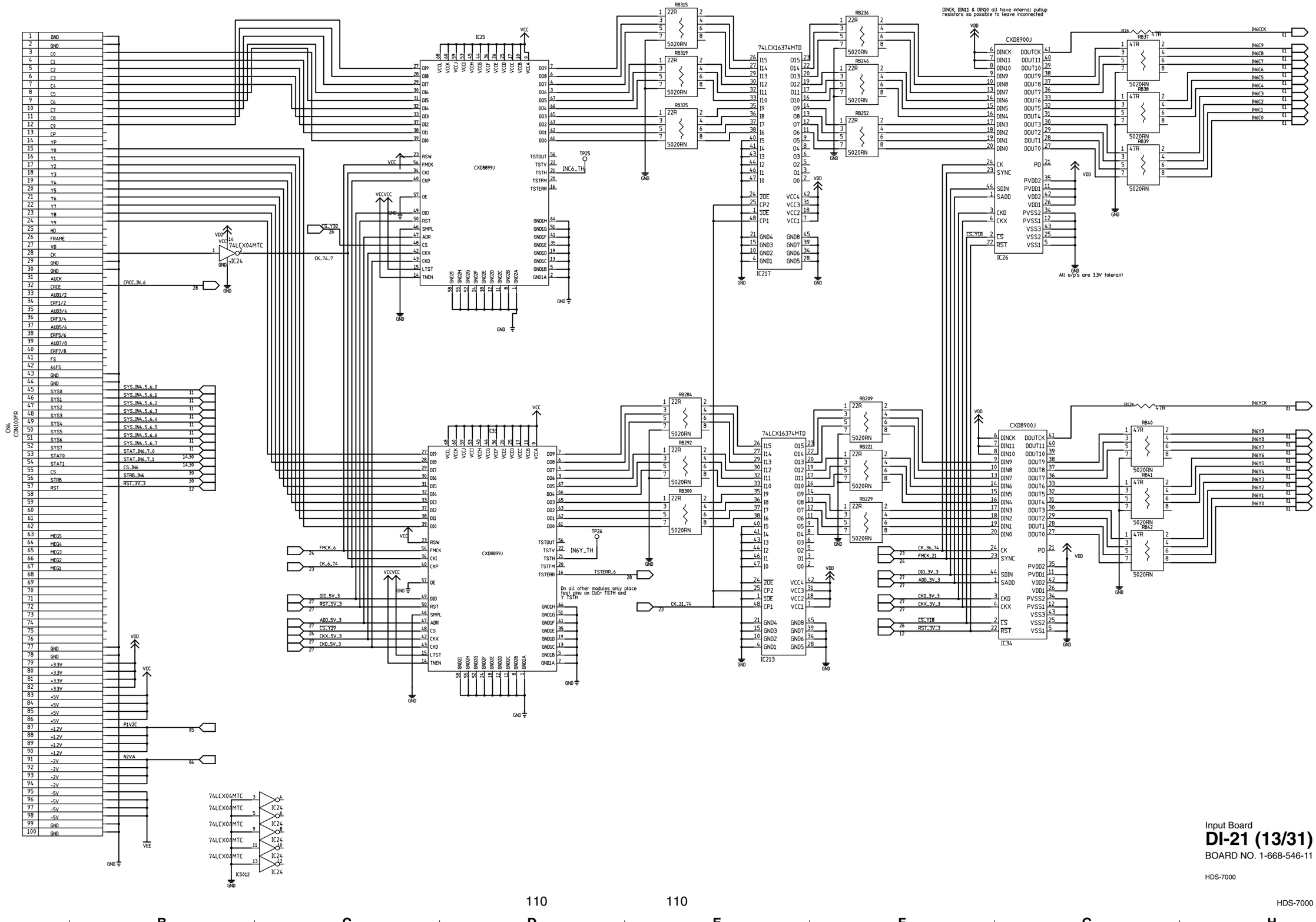
Input Board
DI-21 (11/31)
BOARD NO. 1-668-546-11

HDS-7000



Input Board
DI-21 (12/31)
BOARD NO. 1-668-546-11

HDS-7000



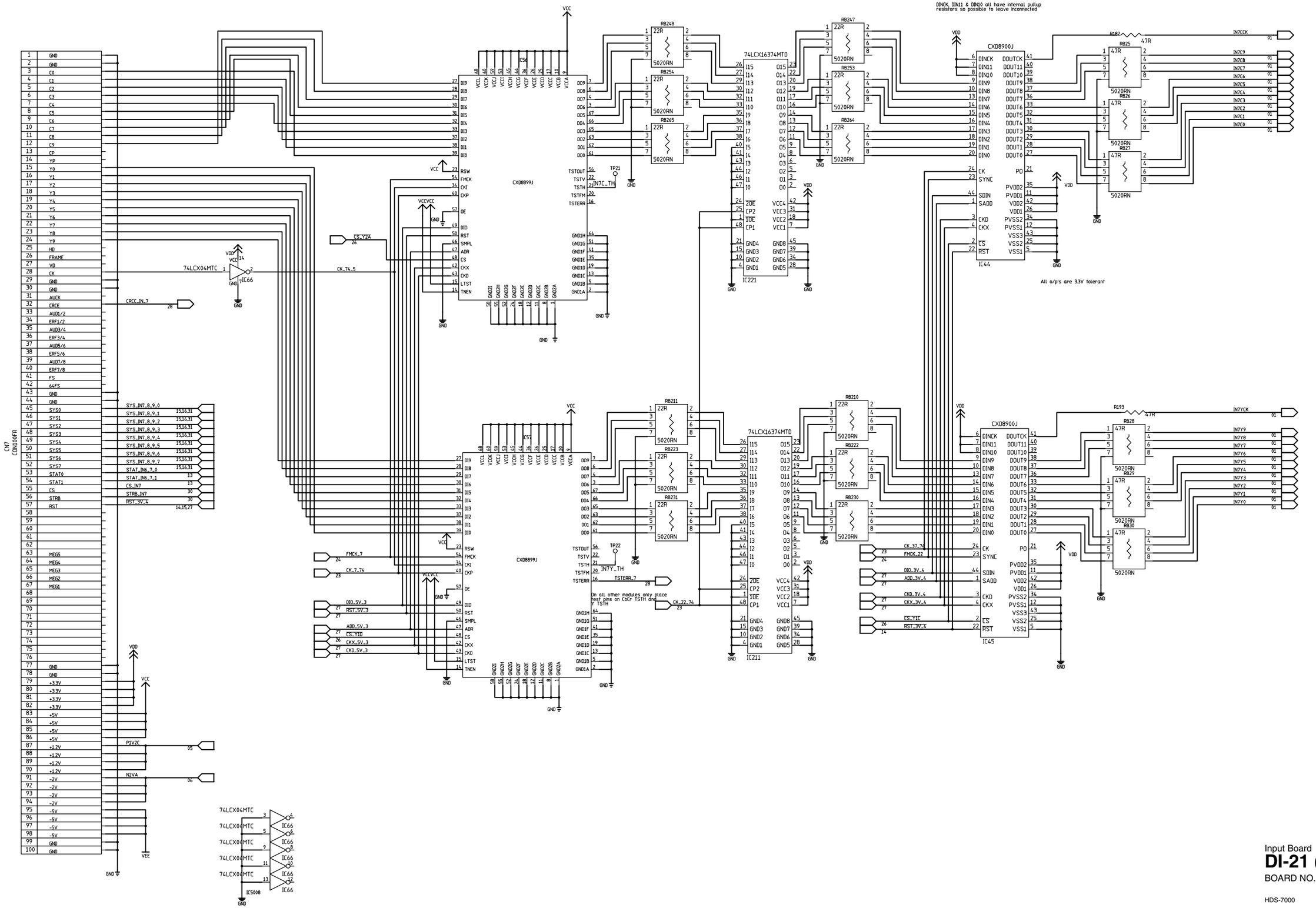
Input Board

DI-21 (13/31)

BOARD NO. 1-668-546-11

HDS-7000

DI-21 (14/31)



Input Board
DI-21 (14/31)
BOARD NO. 1-668-546-11

HDS-7000

DINCK, DIN11 & DIN10 all have internal pullup resistors so possible to leave inconnected

All o/p's are 3.3V tolerant

On all other modules only place test pins on CDCP TSTH and Y TSTH

Input Board
DI-21 (15/31)
BOARD NO. 1-668-546-11

HDS-7000

DINCK, DIN11 & DIN11 all have internal pullup resistors so possible to leave inconnected

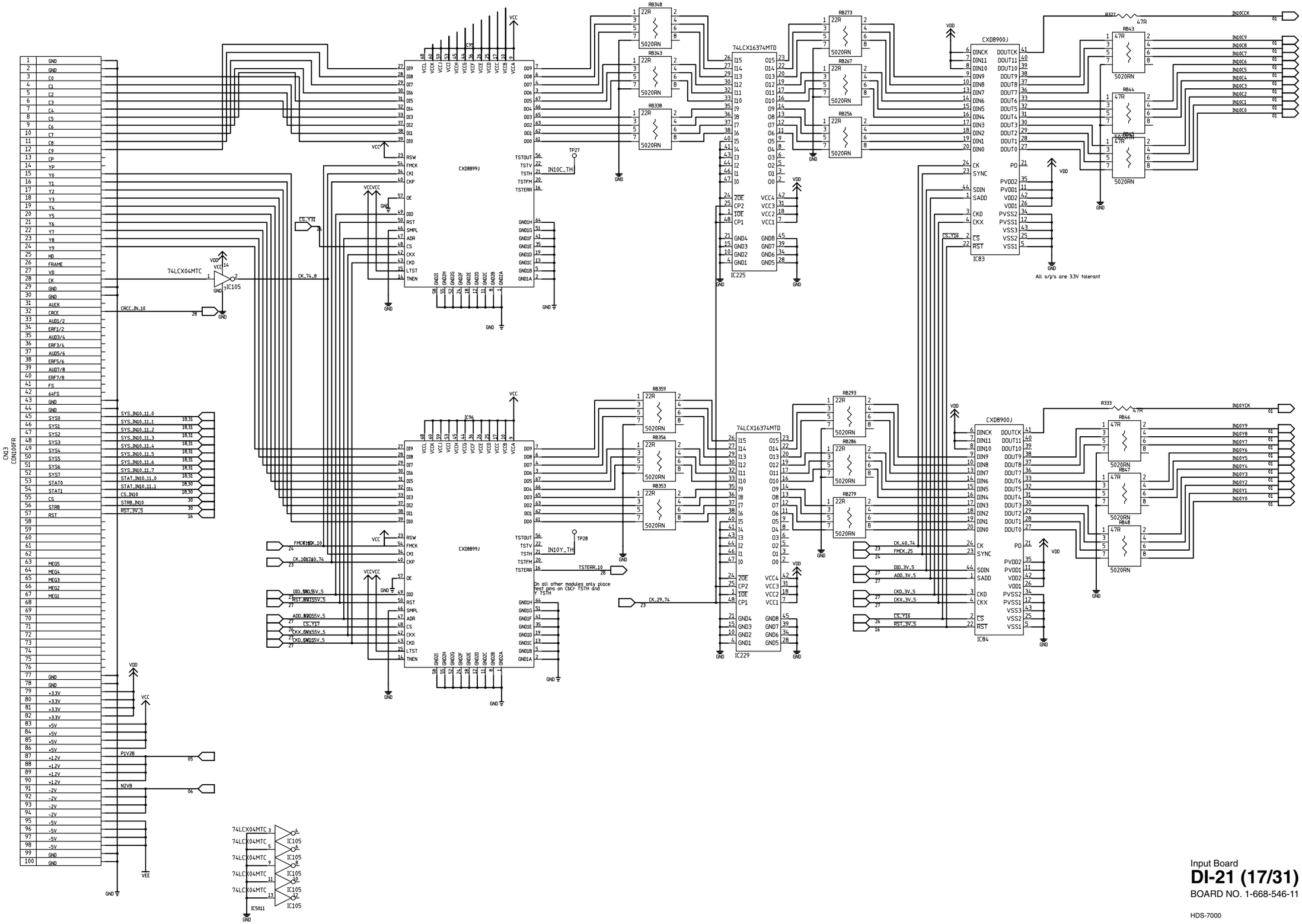
All o/p's are 3.3V tolerant

On all other modules only place test pins on CbCr TSTH and Y TSTH

Input Board
DI-21 (16/31)
BOARD NO. 1-668-546-11

HDS-7000

DI-21 (17/31)

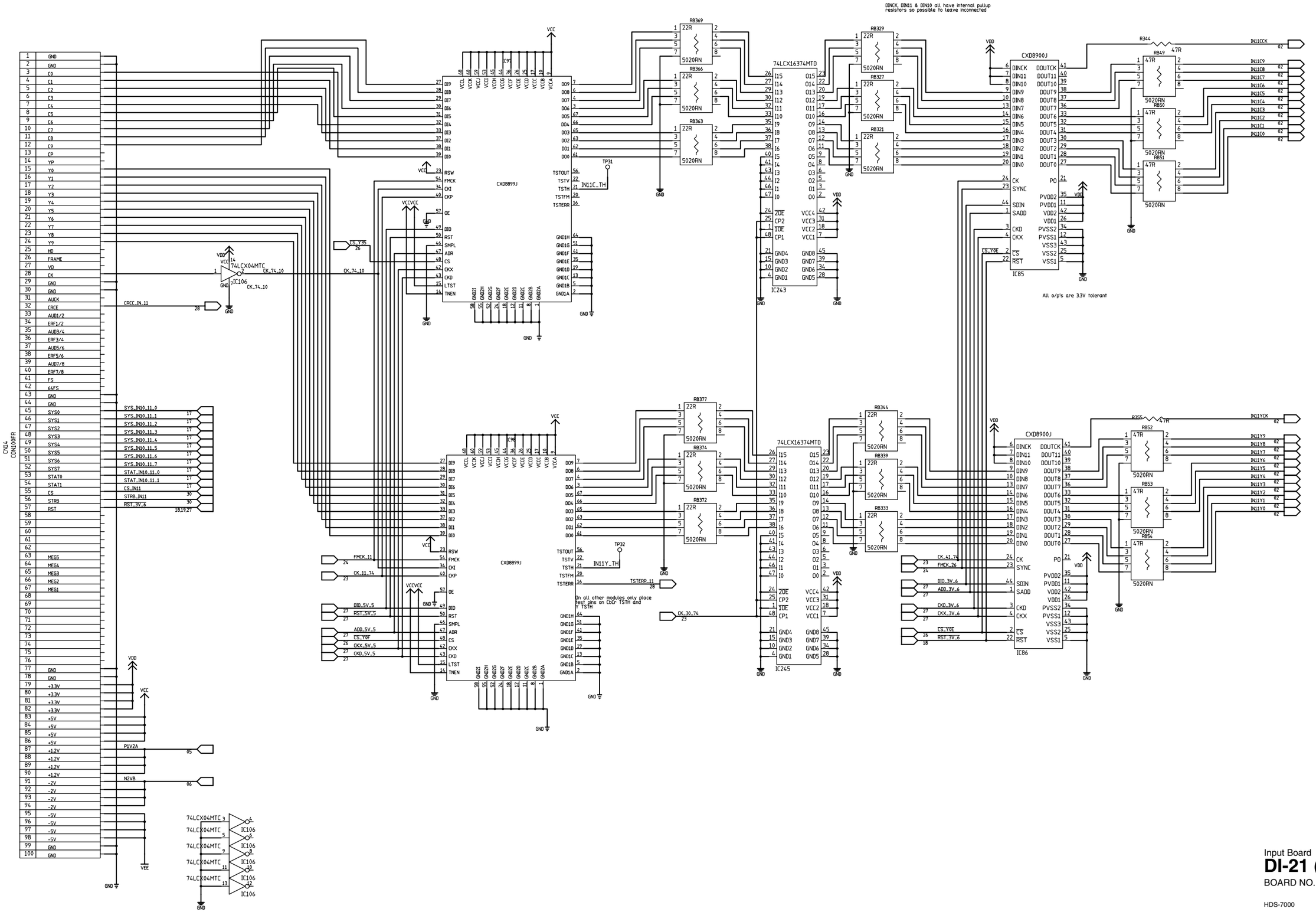


Input Board
DI-21 (17/31)
BOARD NO. 1-668-546-11

HDS-7000

114

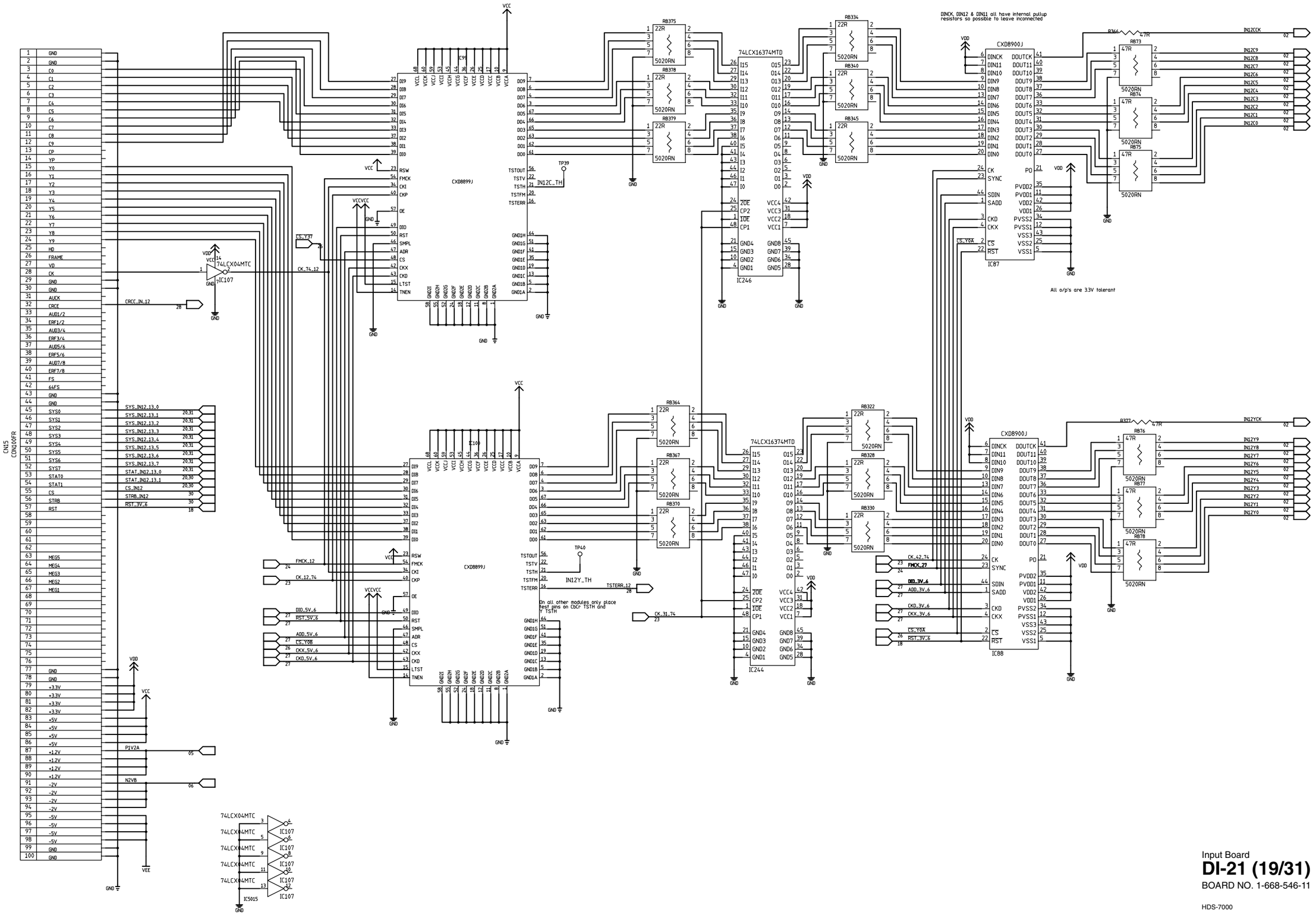
HDS-7000



Input Board
DI-21 (18/31)
BOARD NO. 1-668-546-11

HDS-7000

DI-21 (19/31)



Input Board
DI-21 (19/31)
BOARD NO. 1-668-546-11

HDS-7000

116

HDS-7000

DINCK, DIN14 & DIN11 all have internal pullup resistors so possible to leave inconnected

All o/p's are 3.3V tolerant

CN16 CON100FR

IC108 74LCX04MTC

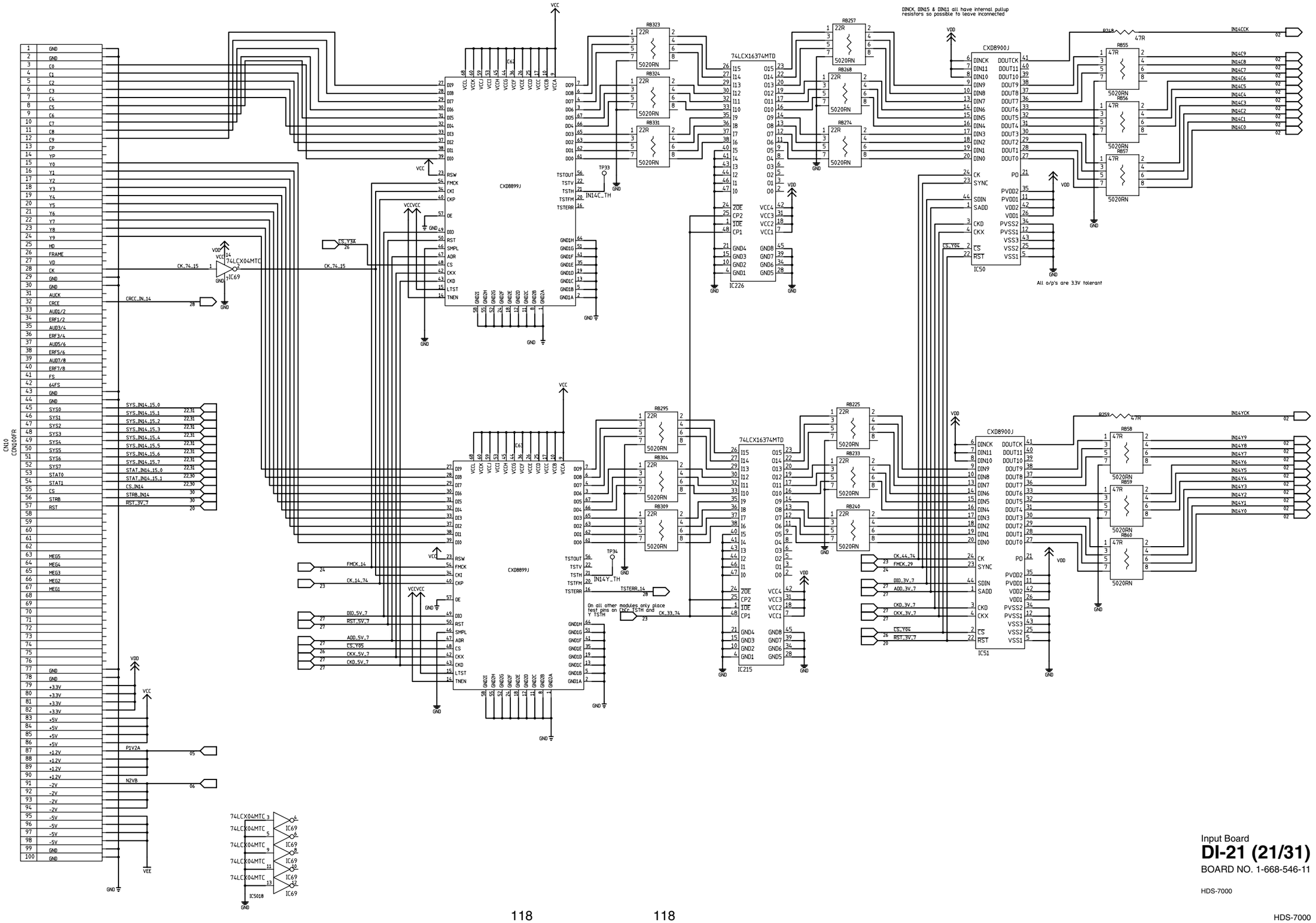
IC109 CXD8899J

IC239 74LCX16374MTD

IC89 CXD8900J

IC233 74LCX16374MTD

IC90 CXD8900J



Input Board
DI-21 (21/31)
BOARD NO. 1-668-546-11

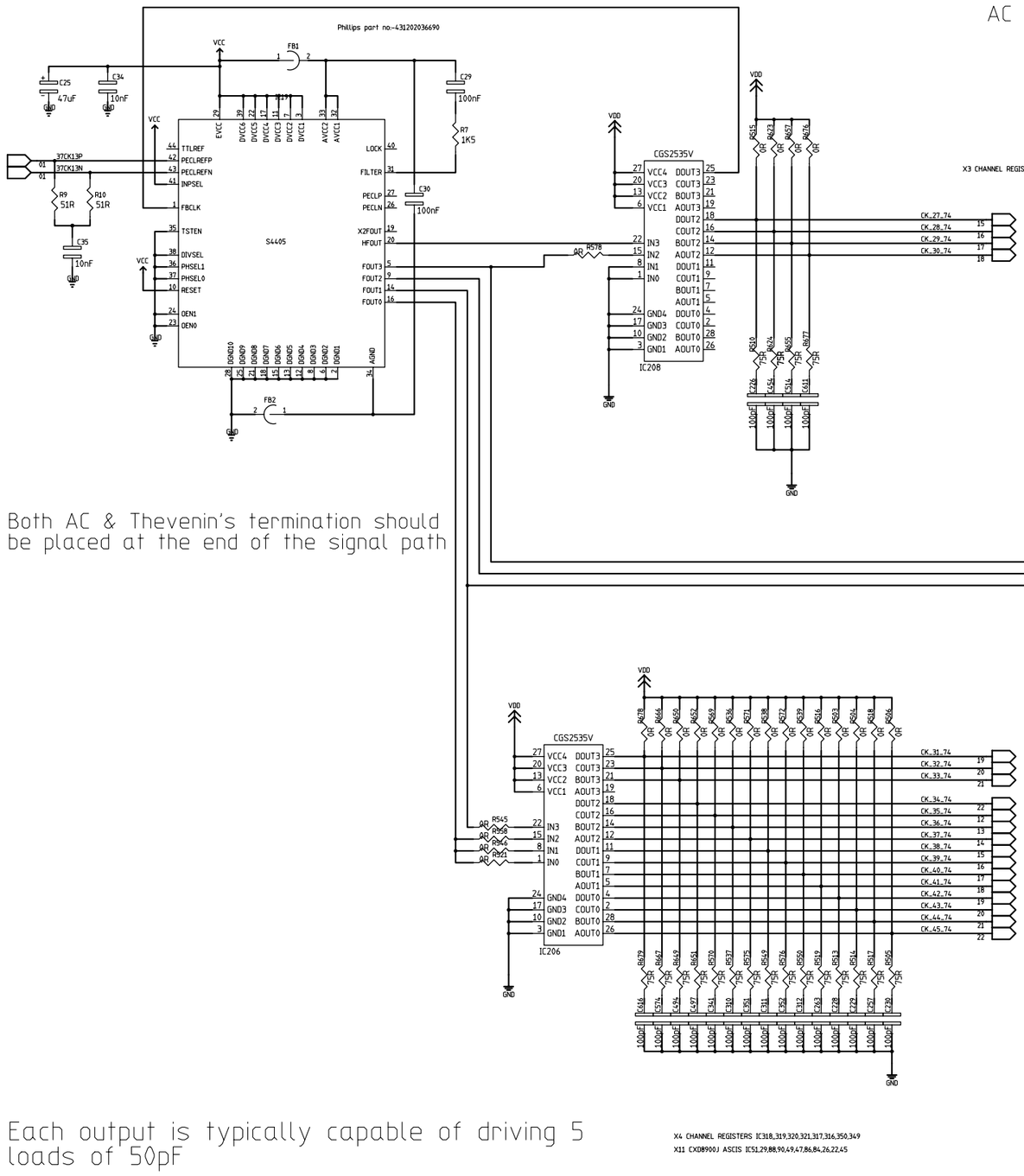
HDS-7000

DINCK, DIN13 & DIN11 all have internal pullup resistors so possible to leave inconnected

All o/p's are 3.3V tolerant

On all other modules only place test pins on CbCr TSTH and Y TSTH

Input Board
DI-21 (22/31)
BOARD NO. 1-668-546-11



AC termination will be fitted

Both AC & Thevenin's termination should be placed at the end of the signal path

Each output is typically capable of driving 5 loads of 50pF

However this is dependent on board layout.

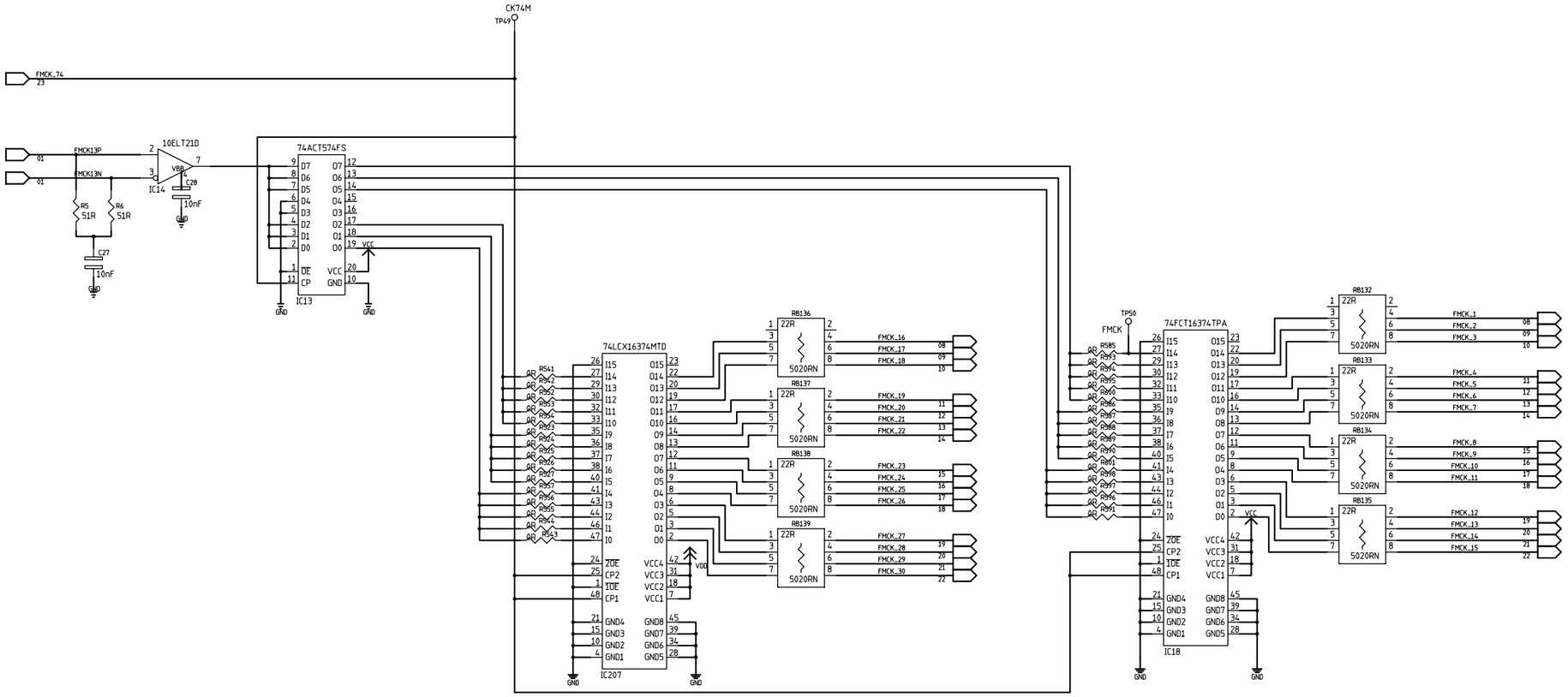
Input Board

DI-21 (23/31)

BOARD NO. 1-668-546-11

HDS-7000

AC termination will be fitted
Both AC & Thevenin's termination should
be placed at the end of the signal path

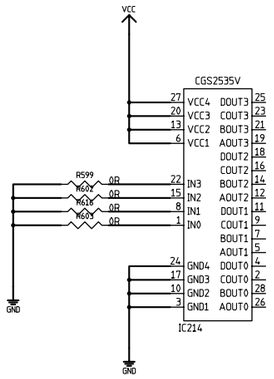


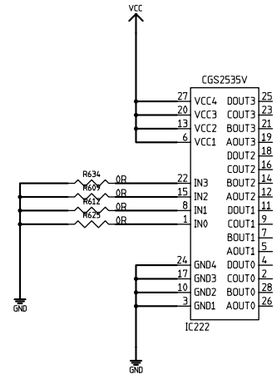
Input Board
DI-21 (24/31)
BOARD NO. 1-668-546-11

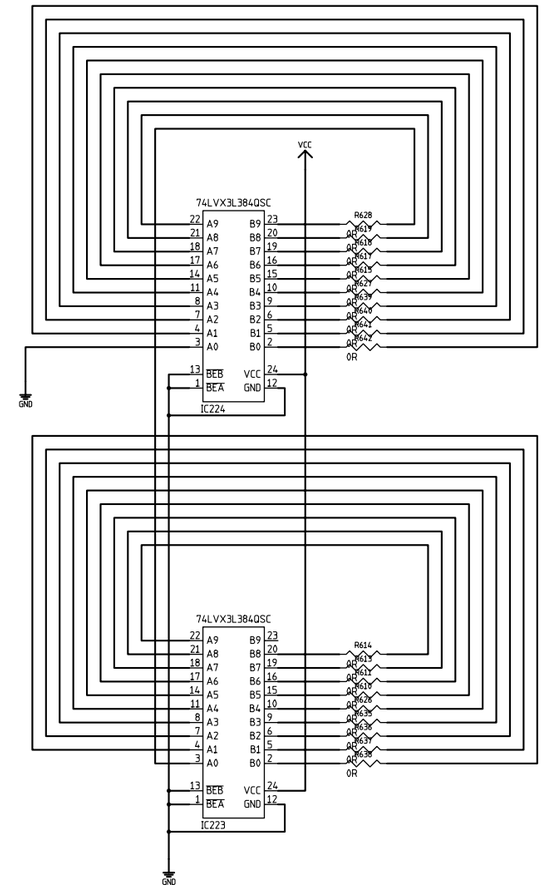
HDS-7000

HDS-7000

DI-21 (25/31)







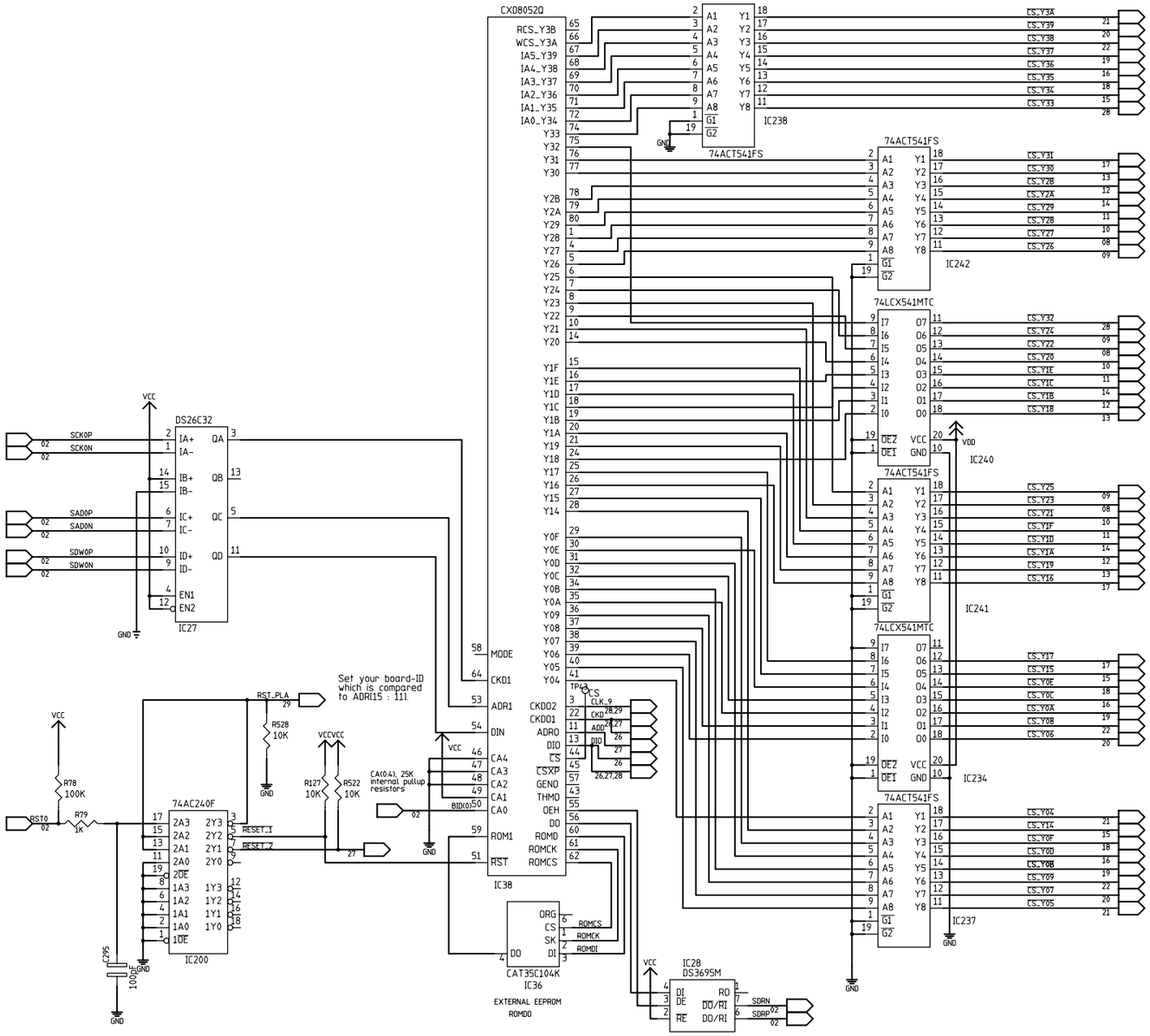
THIS CIRCUIT CAN BE USED TO DELAY THE CXD 8900 CLOCKS IF NECESSARAY.

Input Board
DI-21 (25/31)
BOARD NO. 1-668-546-11

HDS-7000

122

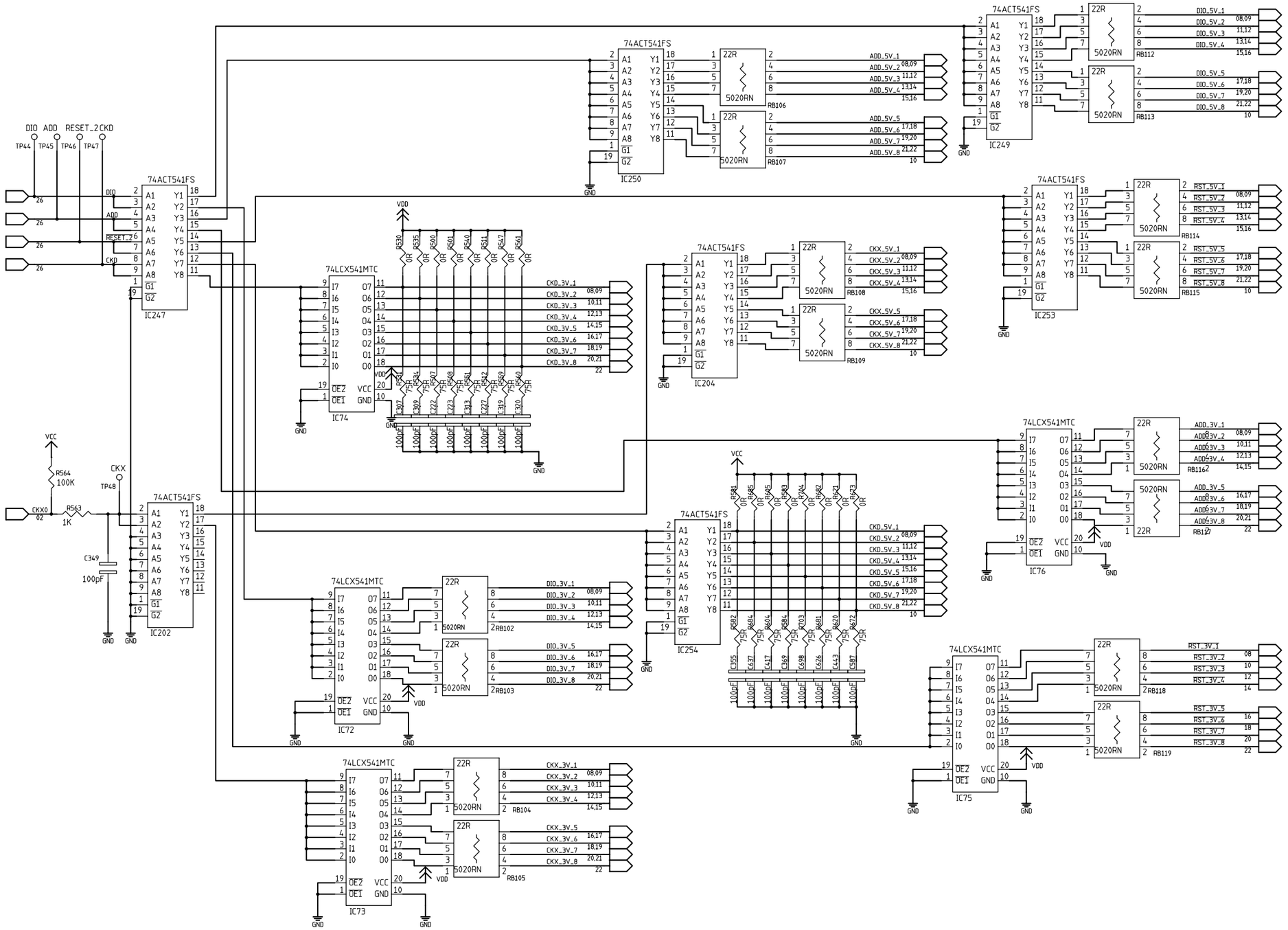
HDS-7000



Input Board
DI-21 (26/31)
BOARD NO. 1-668-546-11

HDS-7000

DI-21 (27/31)



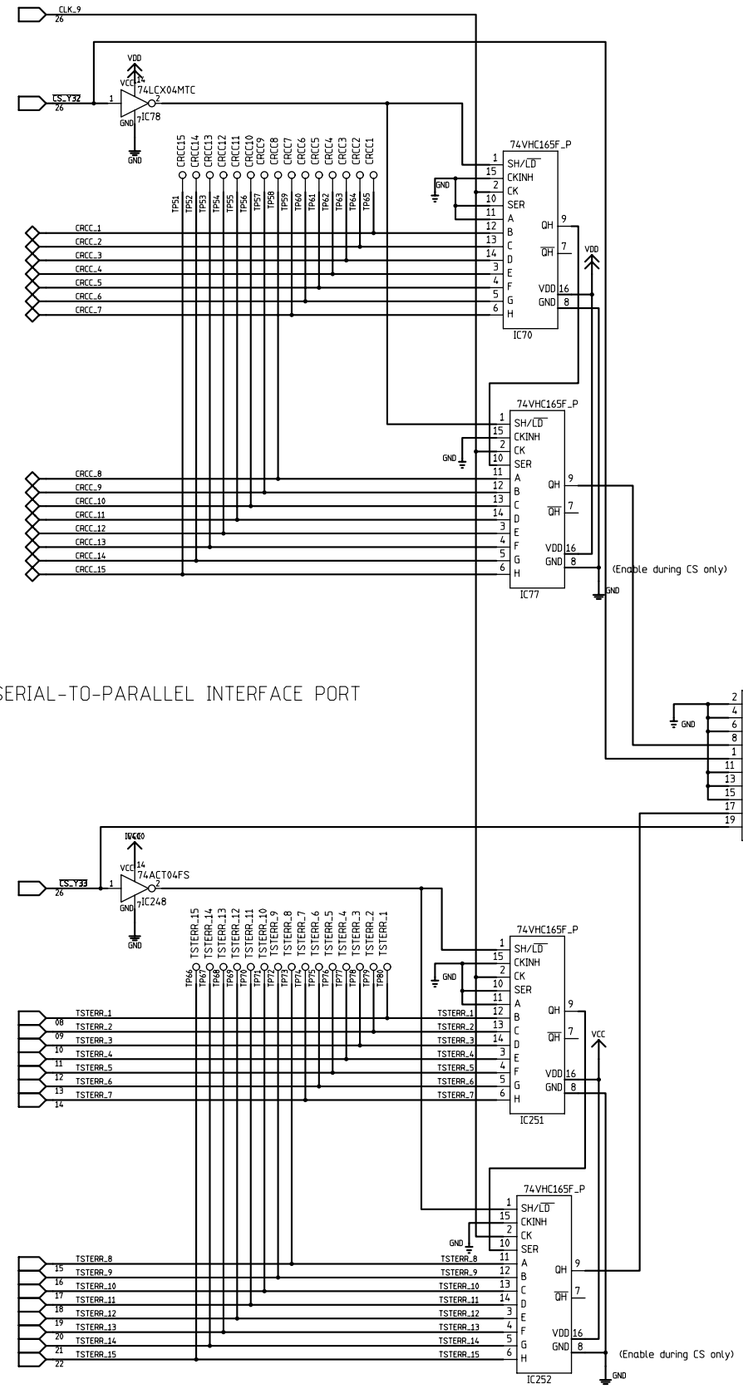
Input Board
DI-21 (27/31)
BOARD NO. 1-668-546-11

HDS-7000

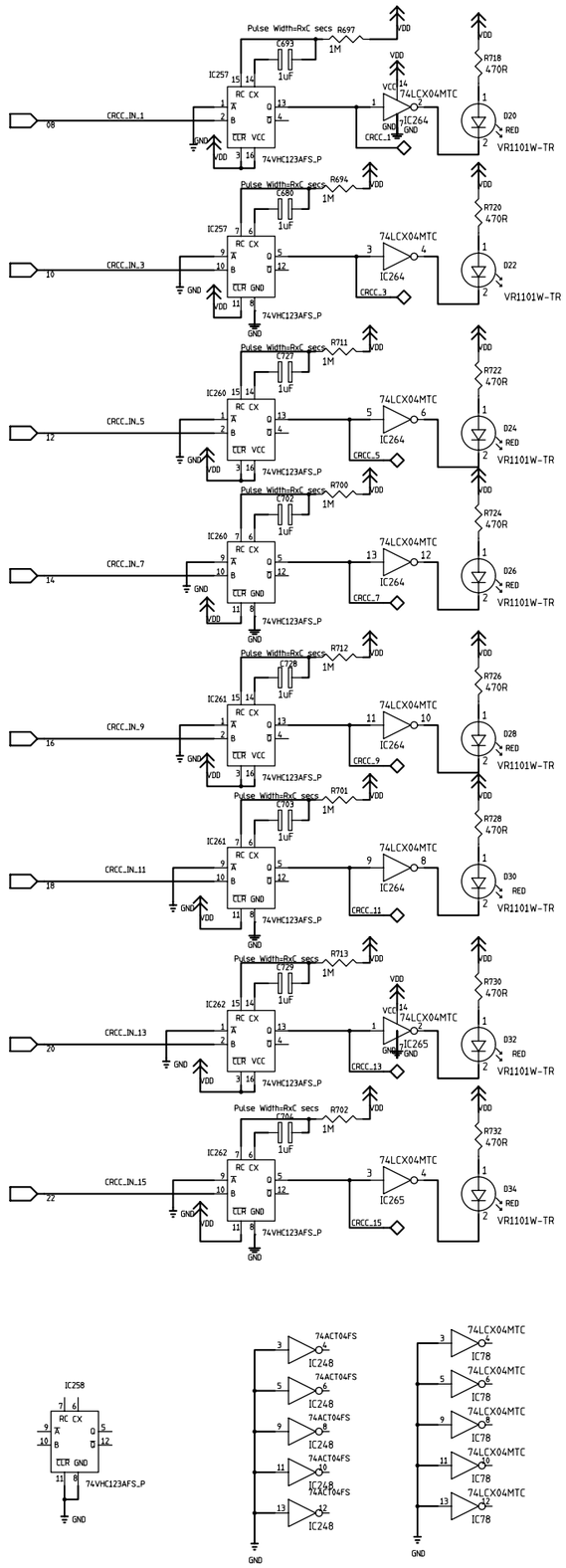
HDS-7000

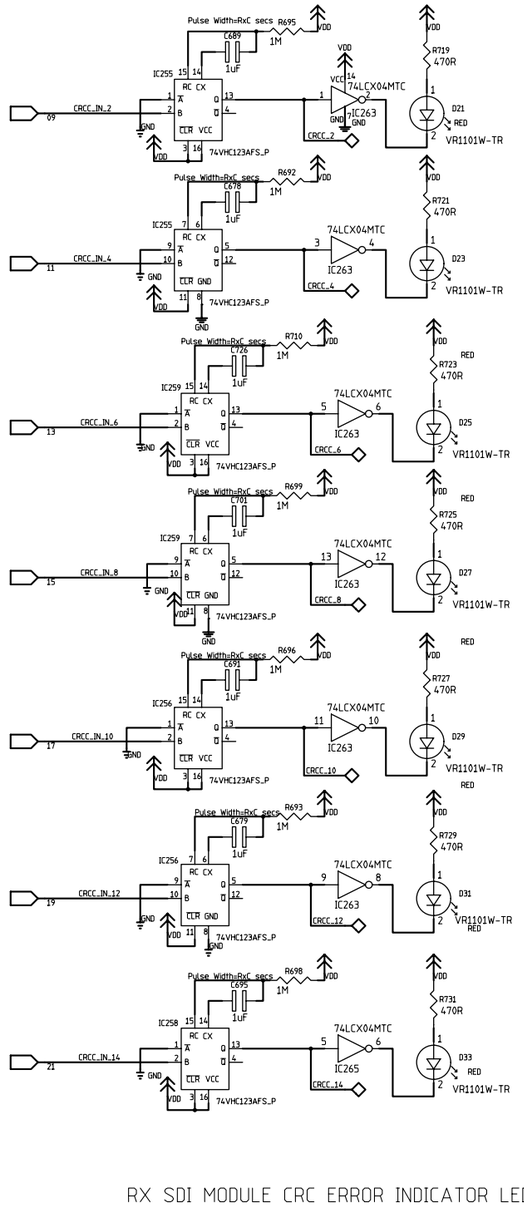
CRCC CHECK FROM X15 HD SDI RX MODULES
FOR FESABILITY TEST
CS = GROUP 20, Y32H & Y33H

THESE DEVICES ('VHC165's)
CONNECTED TO +3.3V POWER
(NOT +5V) FOR COMPATIBILITY
WITH SDI MODULE LV-CMOS
OUTPUTS

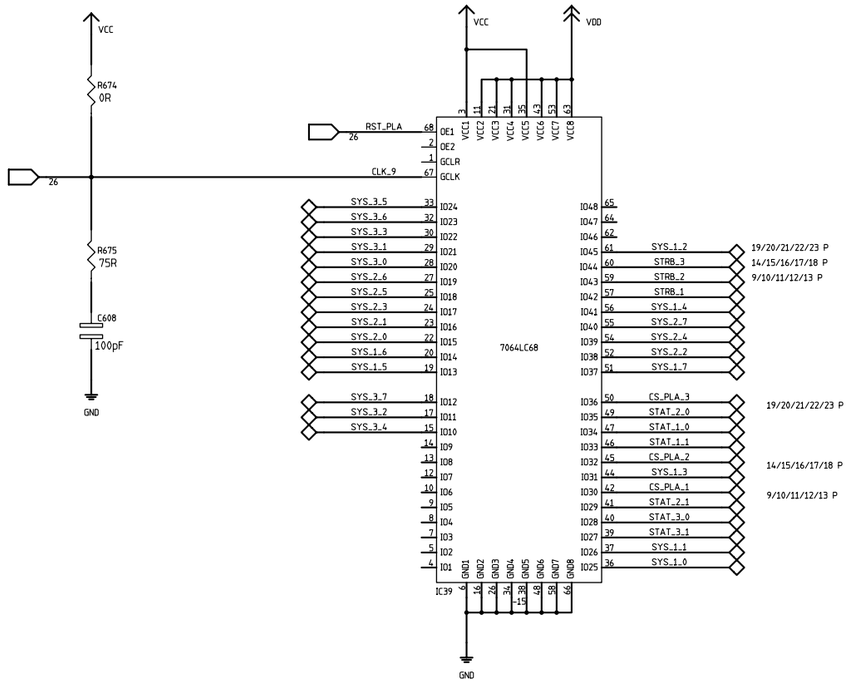


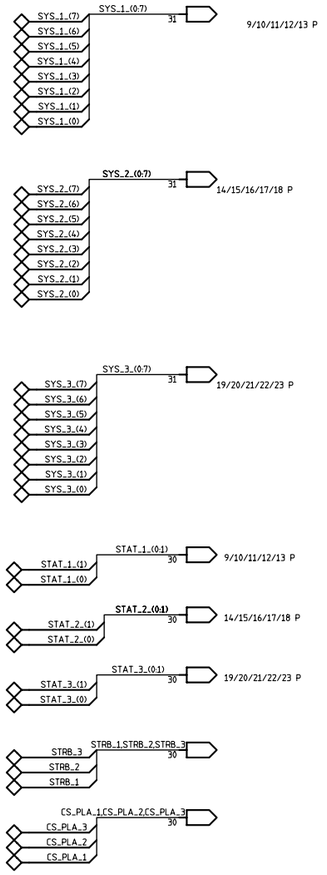
SERIAL-TO-PARALLEL INTERFACE PORT





RX SDI MODULE CRC ERROR INDICATOR LEDS

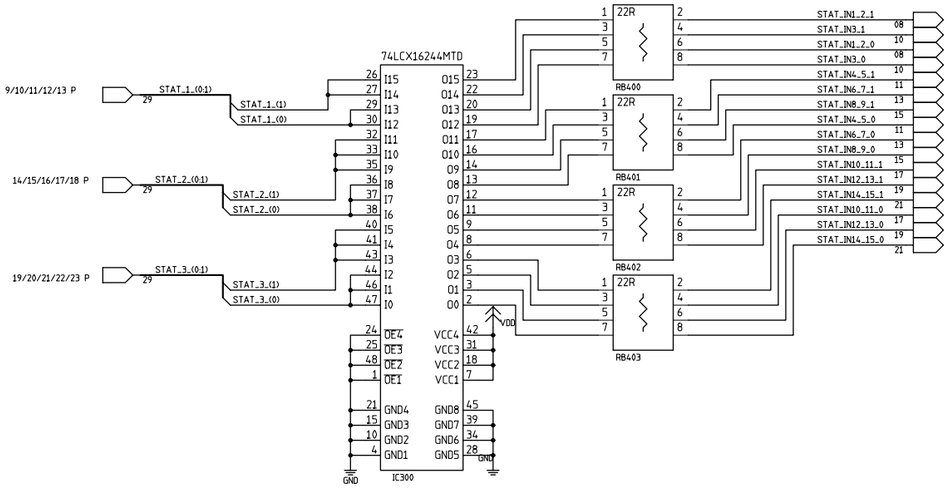


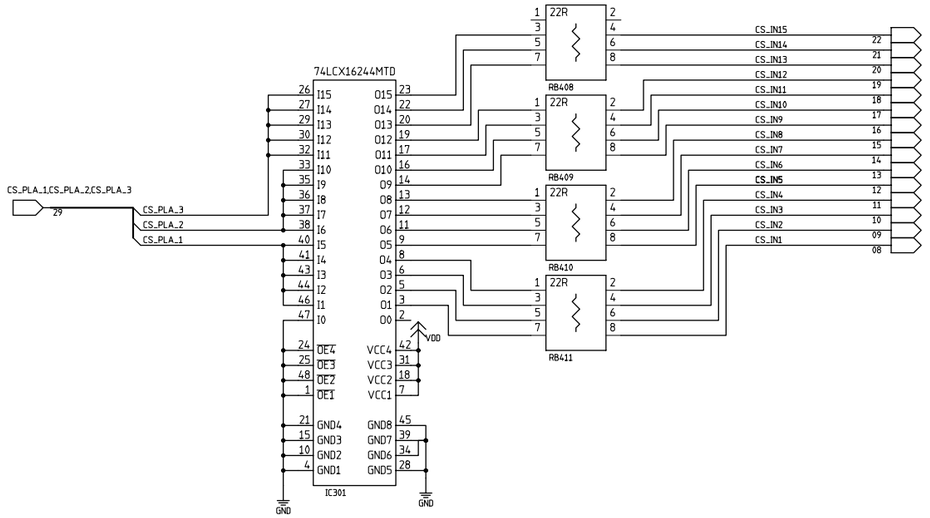


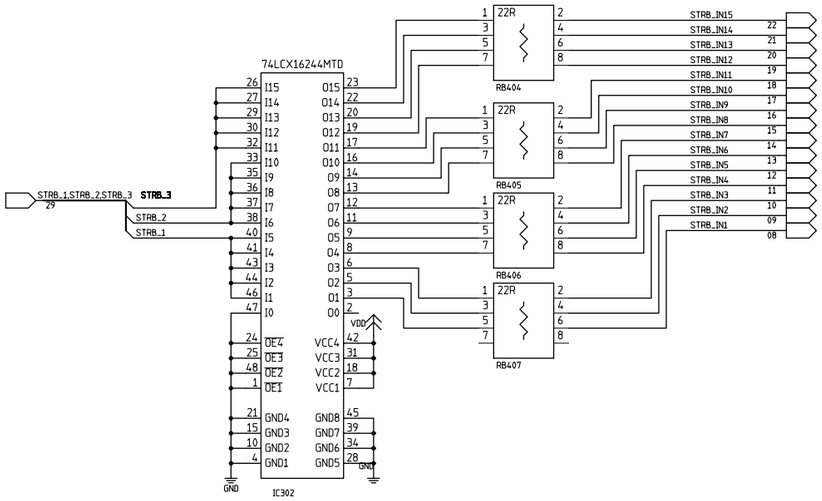
Input Board
DI-21 (29/31)
BOARD NO. 1-668-546-11

HDS-7000

DI-21 (30/31)





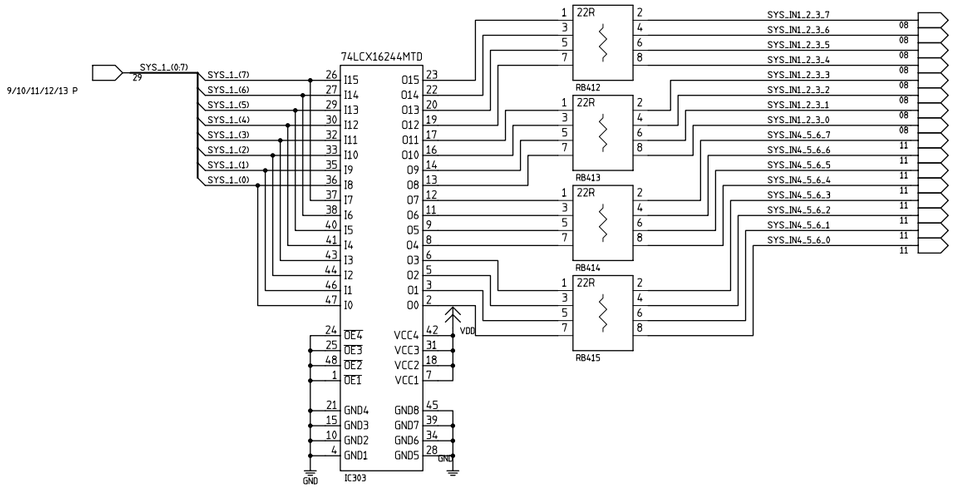


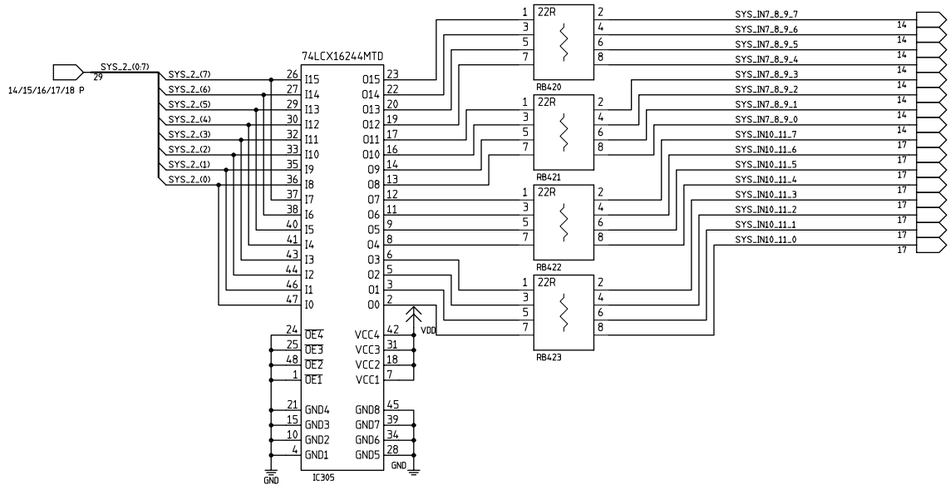
Input Board
DI-21 (30/31)
BOARD NO. 1-668-546-11

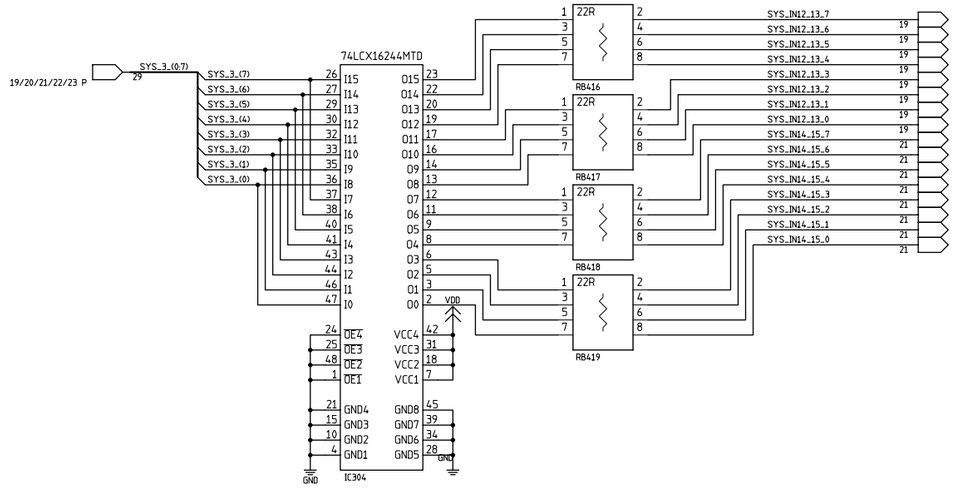
HDS-7000

127
HDS-7000

DI-21 (31/31)





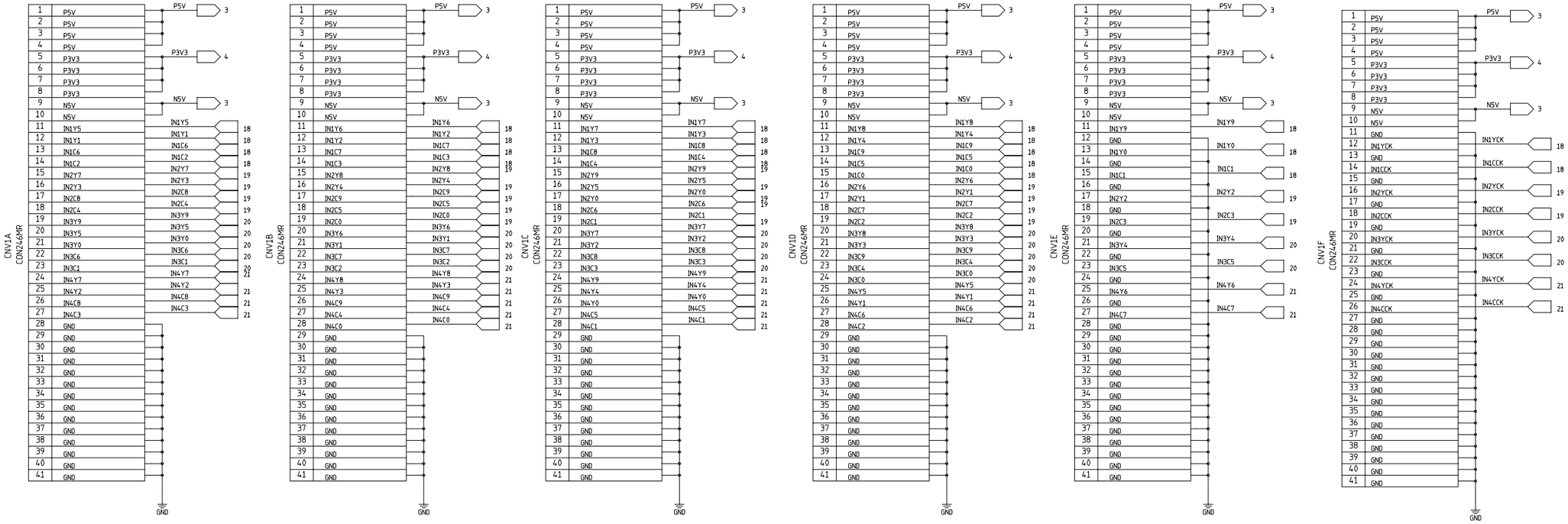


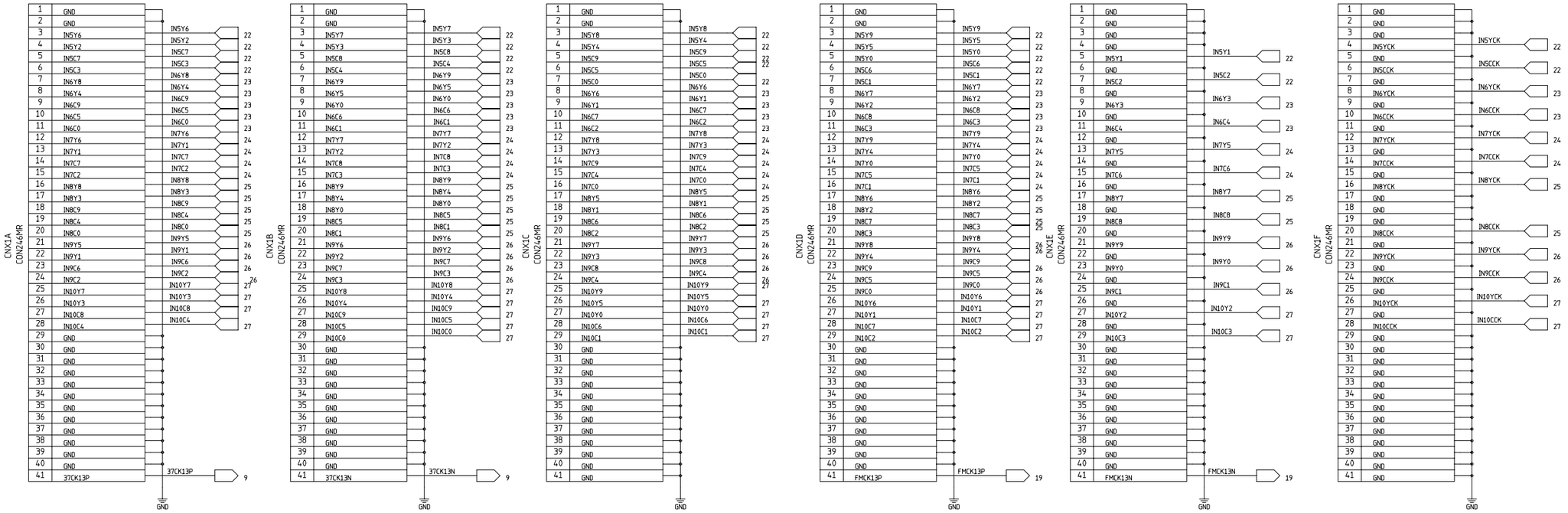
Input Board
DI-21 (31/31)
BOARD NO. 1-668-546-11

HDS-7000

HDS-7000

128

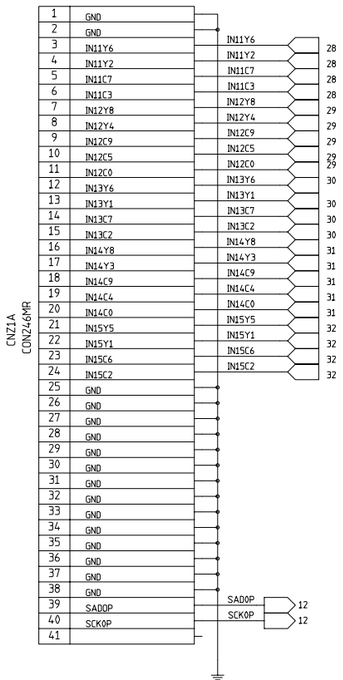


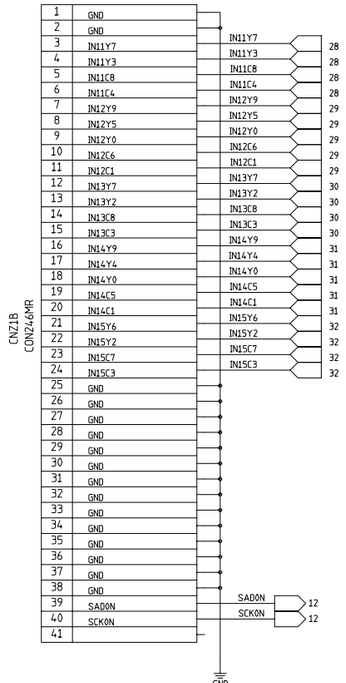


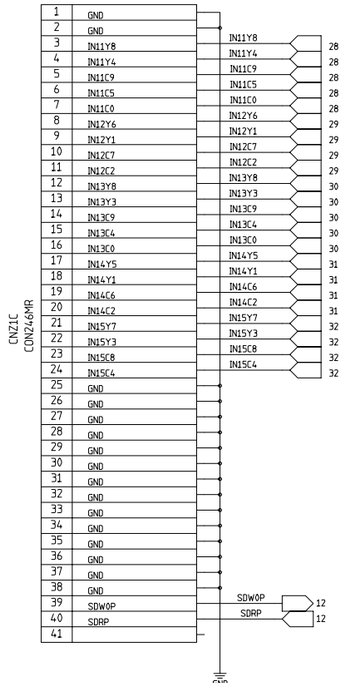
Input Board
DI-37 (1/32)
BOARD NO. 1-674-373-11

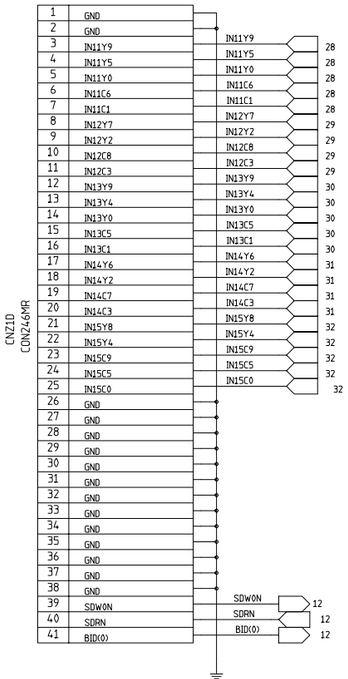
HDS-7000
HDS-7100
HDS-7150

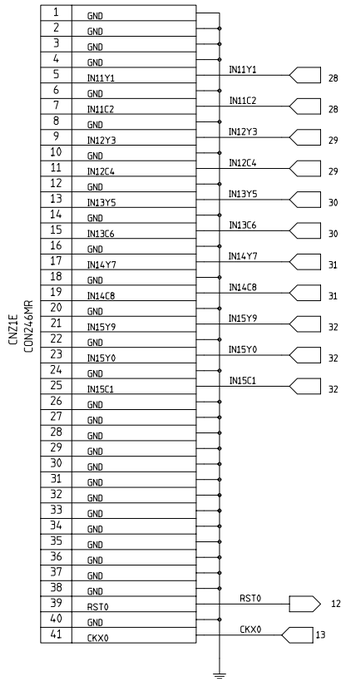
DI-37 (2/32)

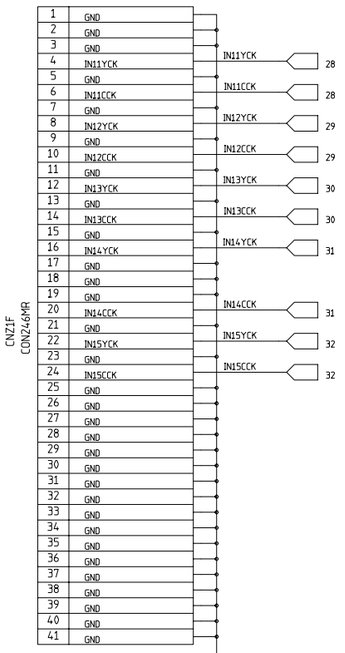








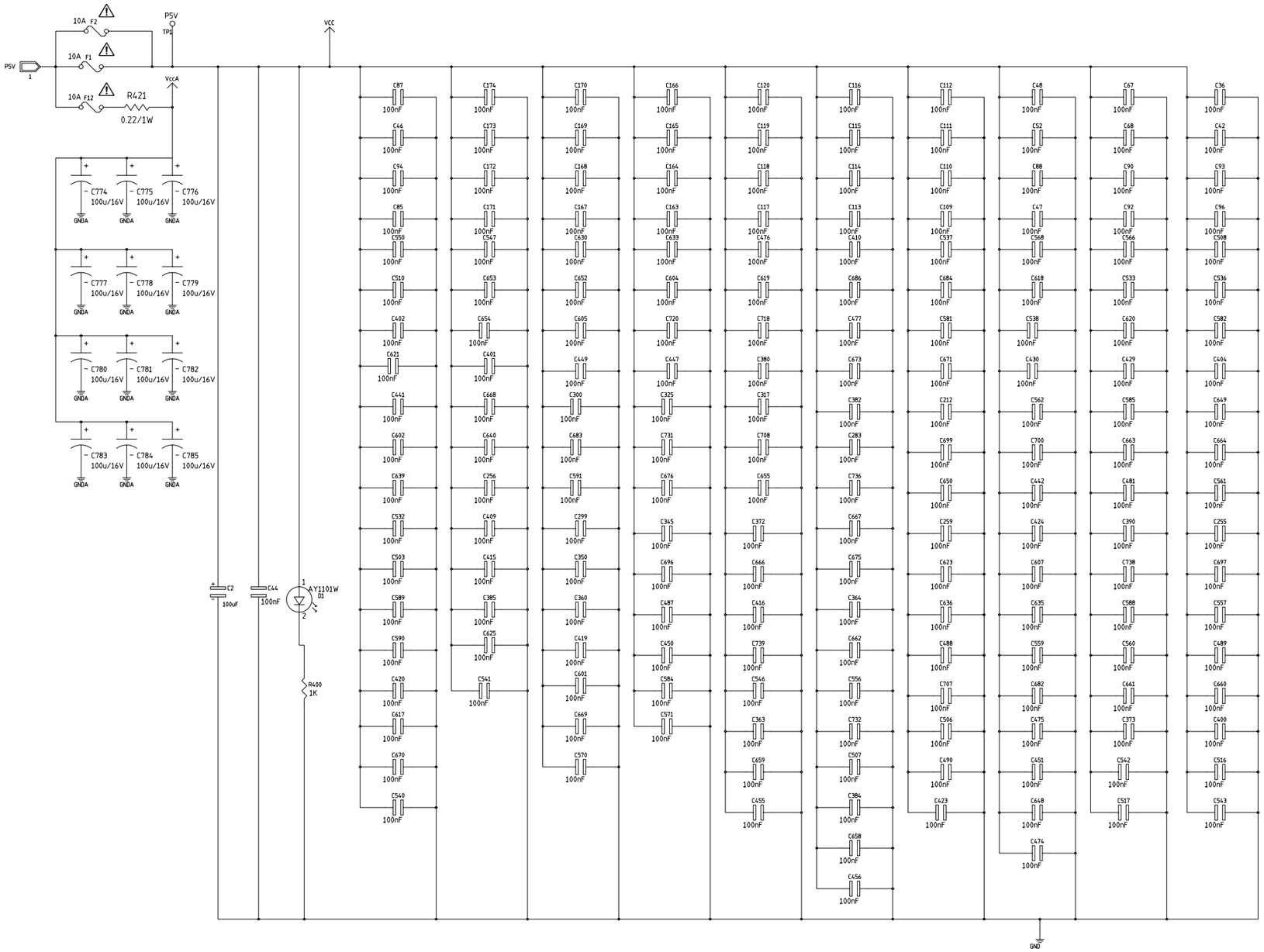


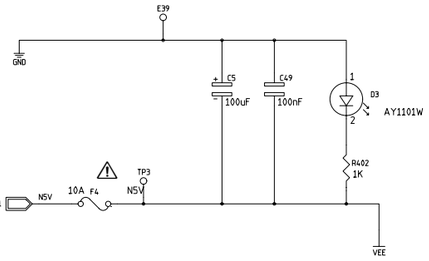


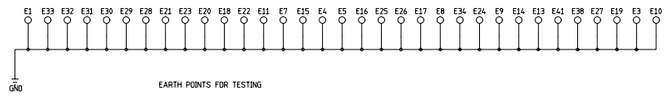
Input Board
DI-37 (2/32)
BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

130







131 131

HDS-7000

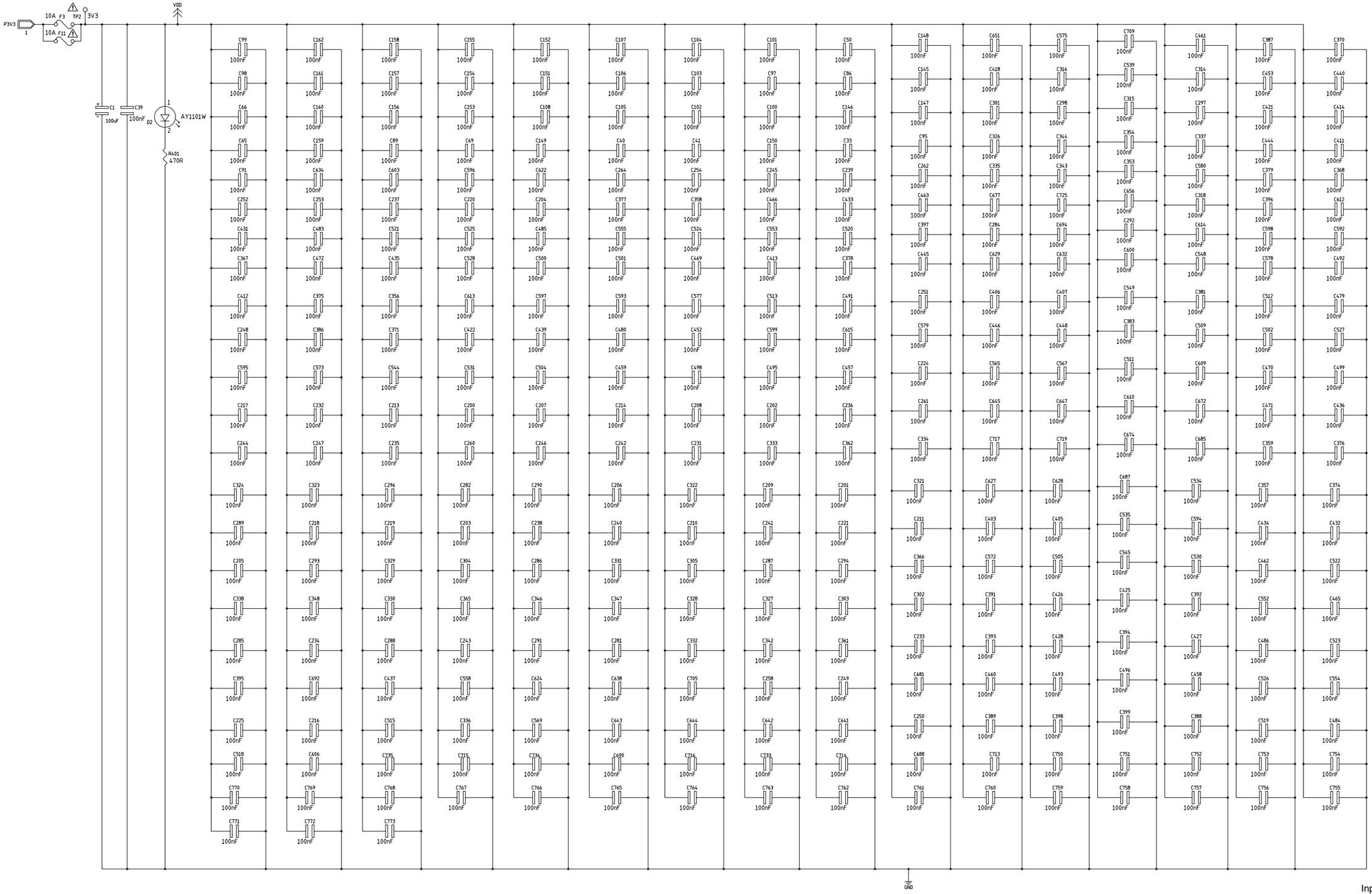
Input Board
DI-37 (3/32)
BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

A B C D E F G H

1 2 3 4 5

DI-37 (4/32)



Input Board

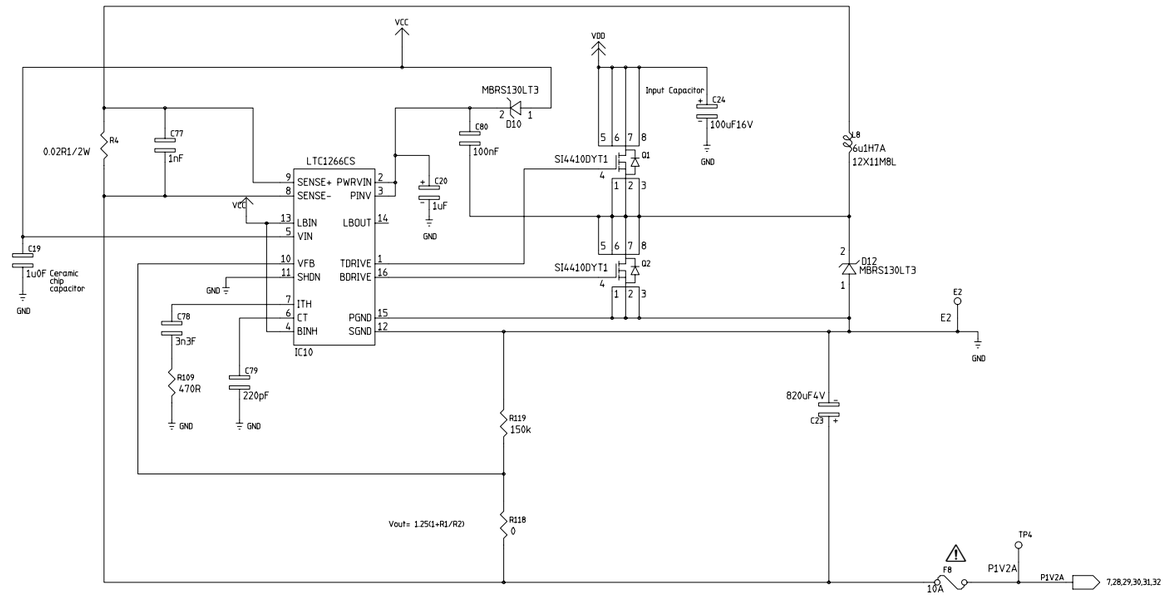
DI-37 (4/32)

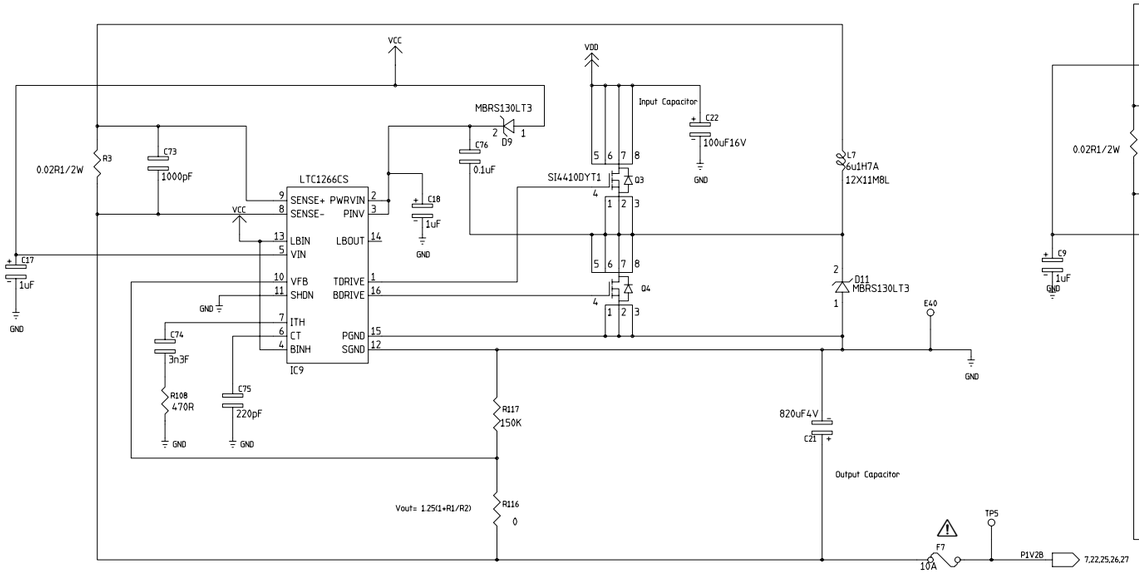
BOARD NO. 1-674-373-11

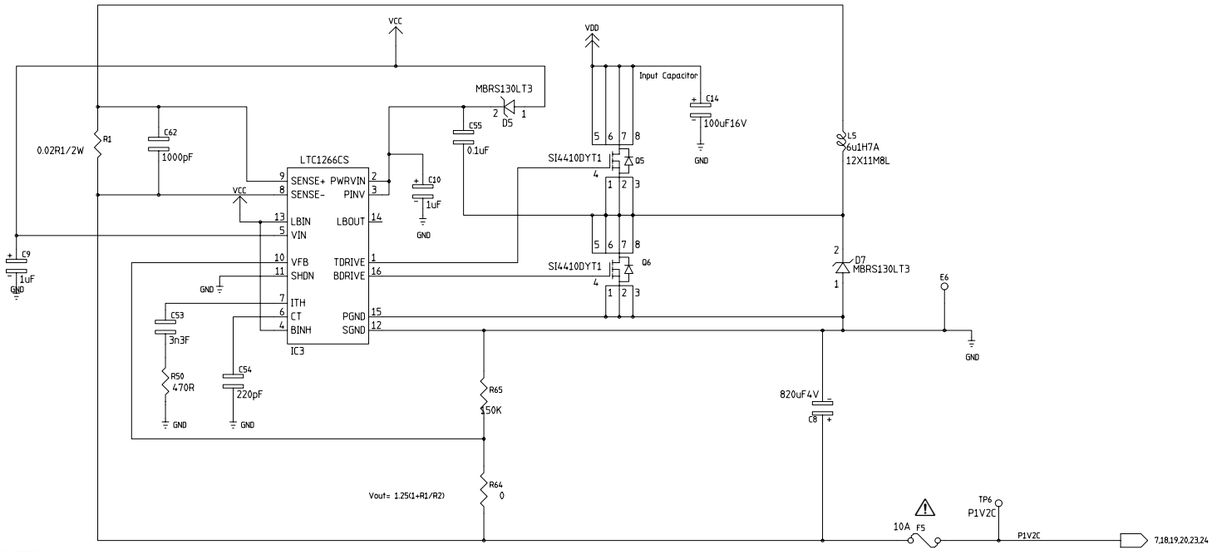
HDS-7000
HDS-7100
HDS-7150

132

HDS-7000







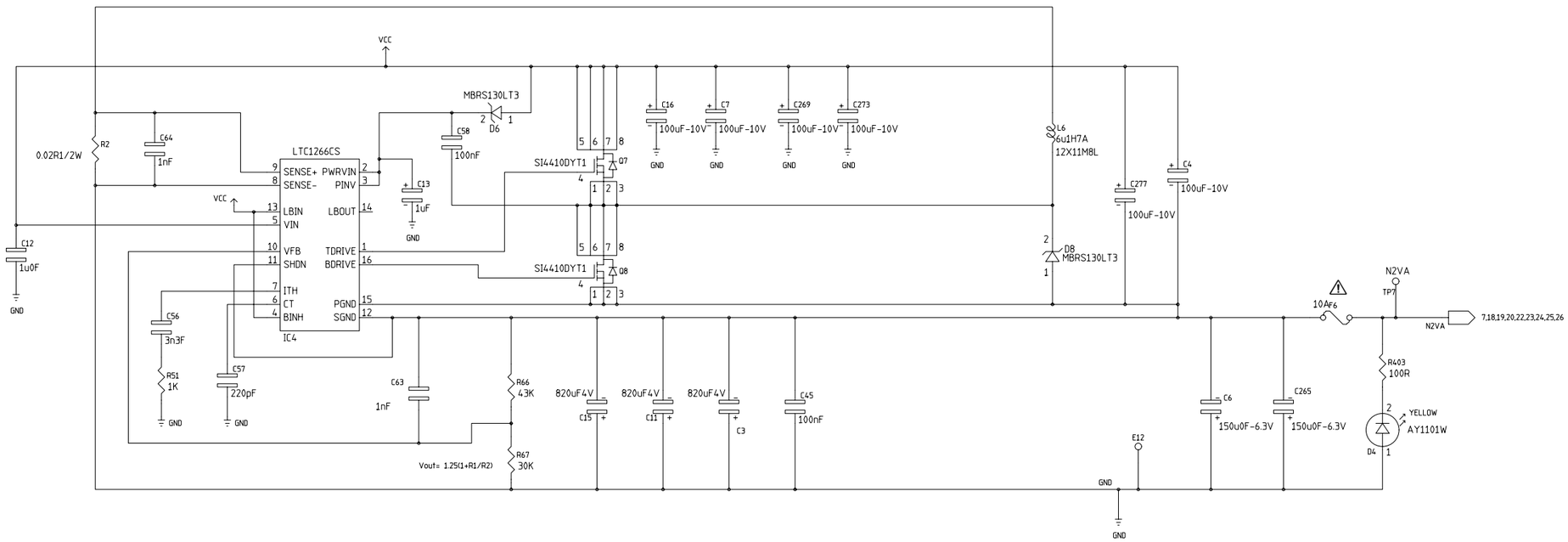
Input Board

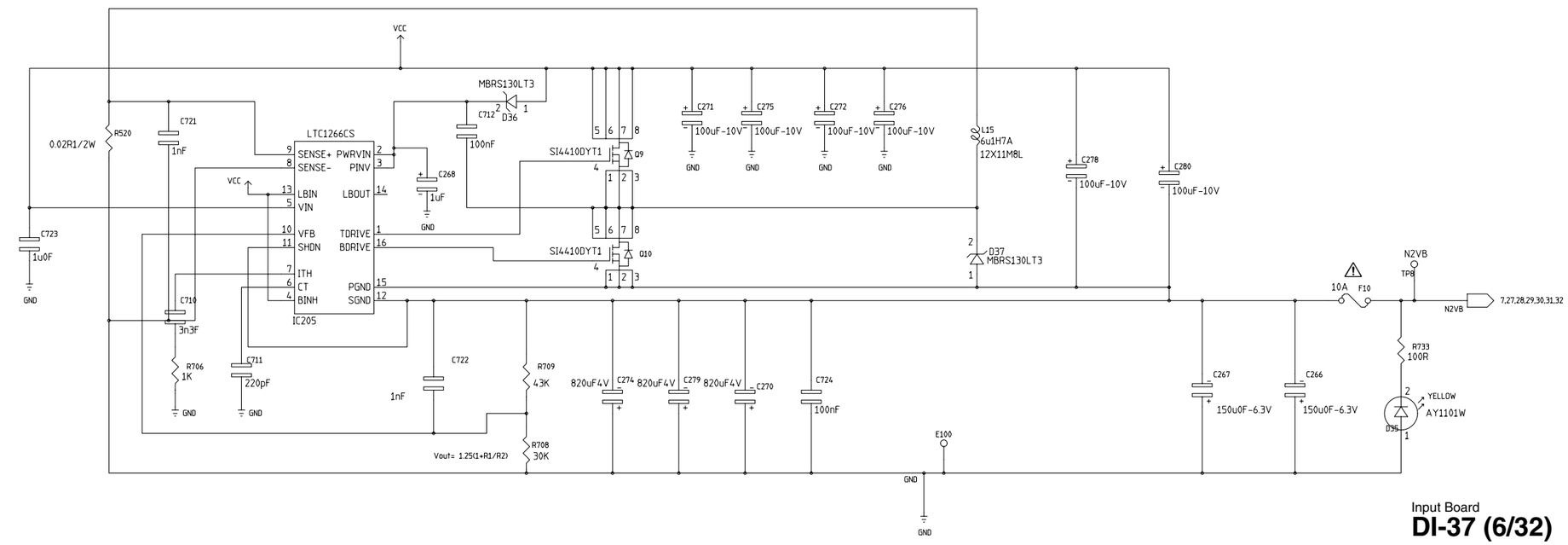
DI-37 (5/32)

BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

DI-37 (6/32)





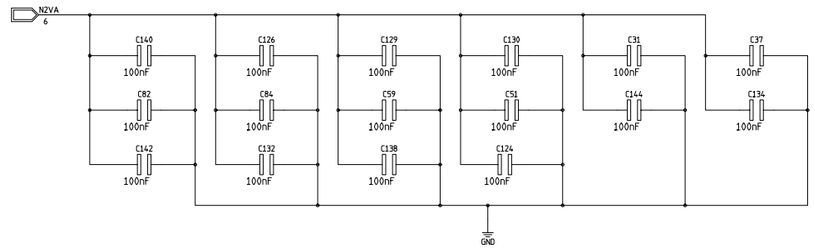
Input Board

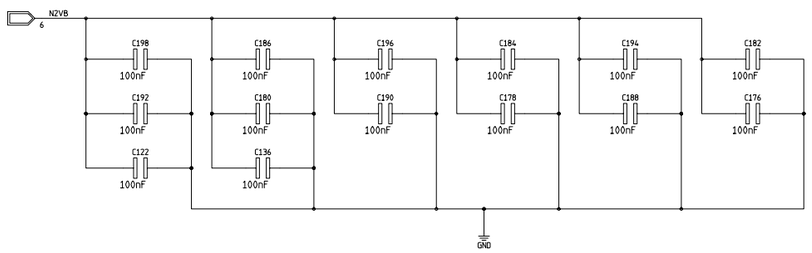
DI-37 (6/32)

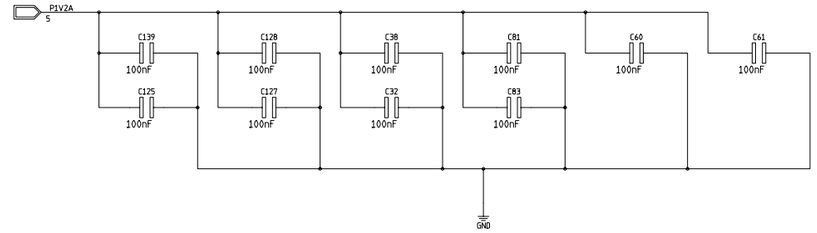
BOARD NO. 1-674-373-11

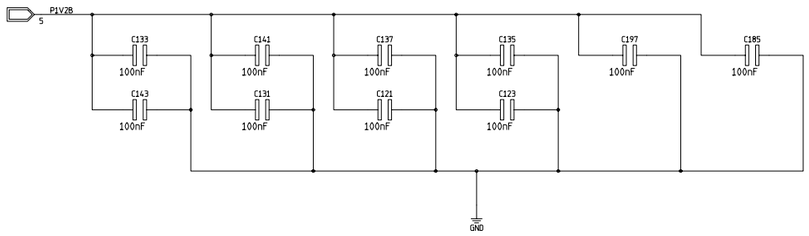
HDS-7000
HDS-7100
HDS-7150

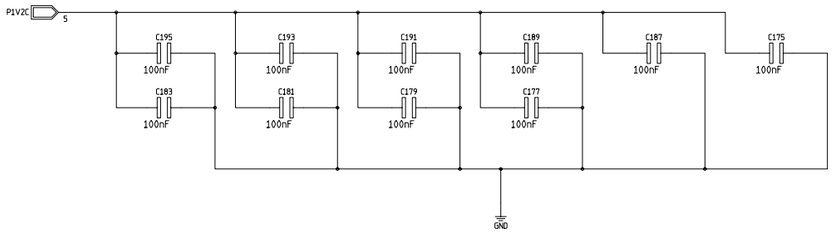
DI-37 (7/32)





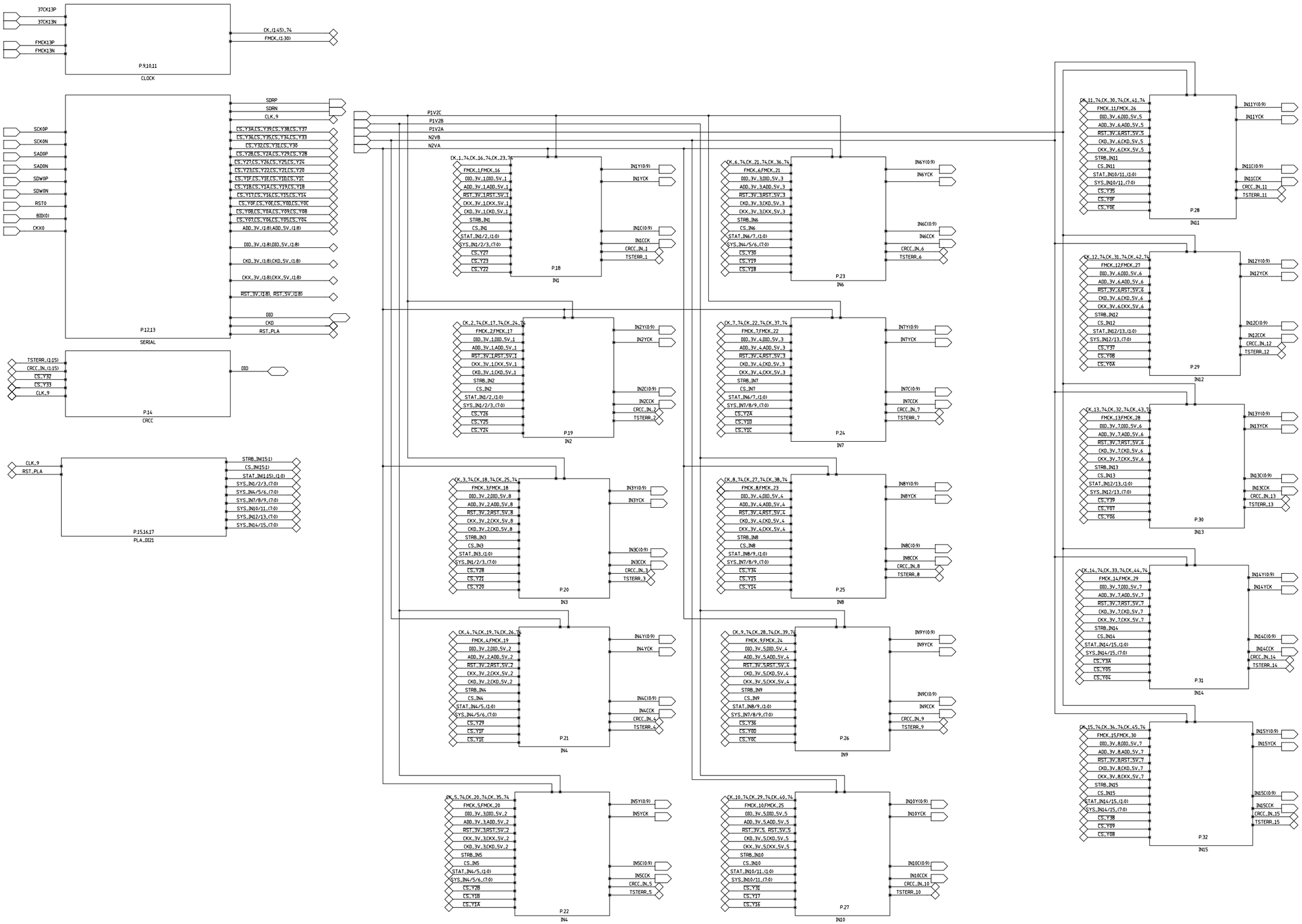






Input Board
DI-37 (7/32)
BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

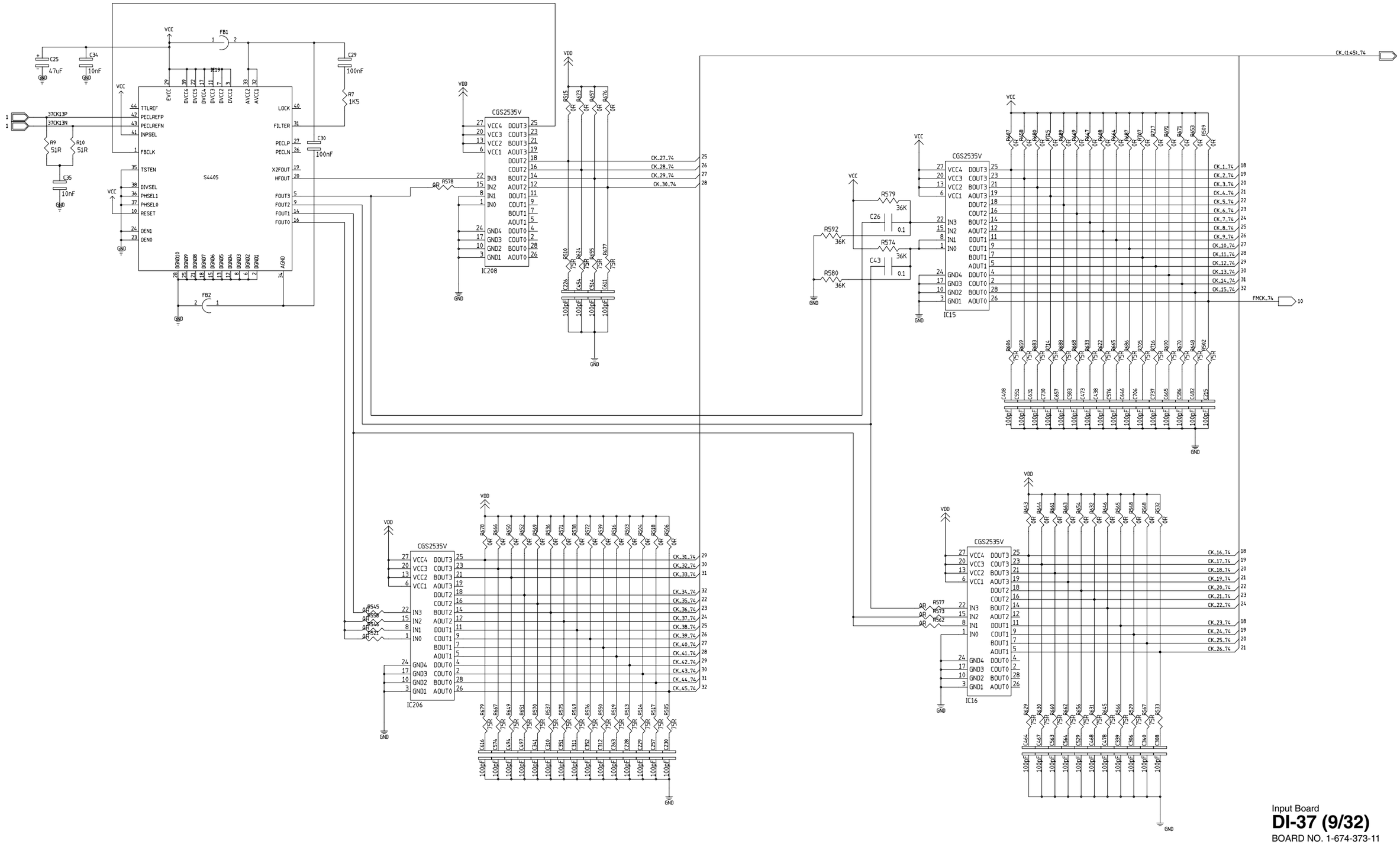


Input Board

DI-37 (8/32)

BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

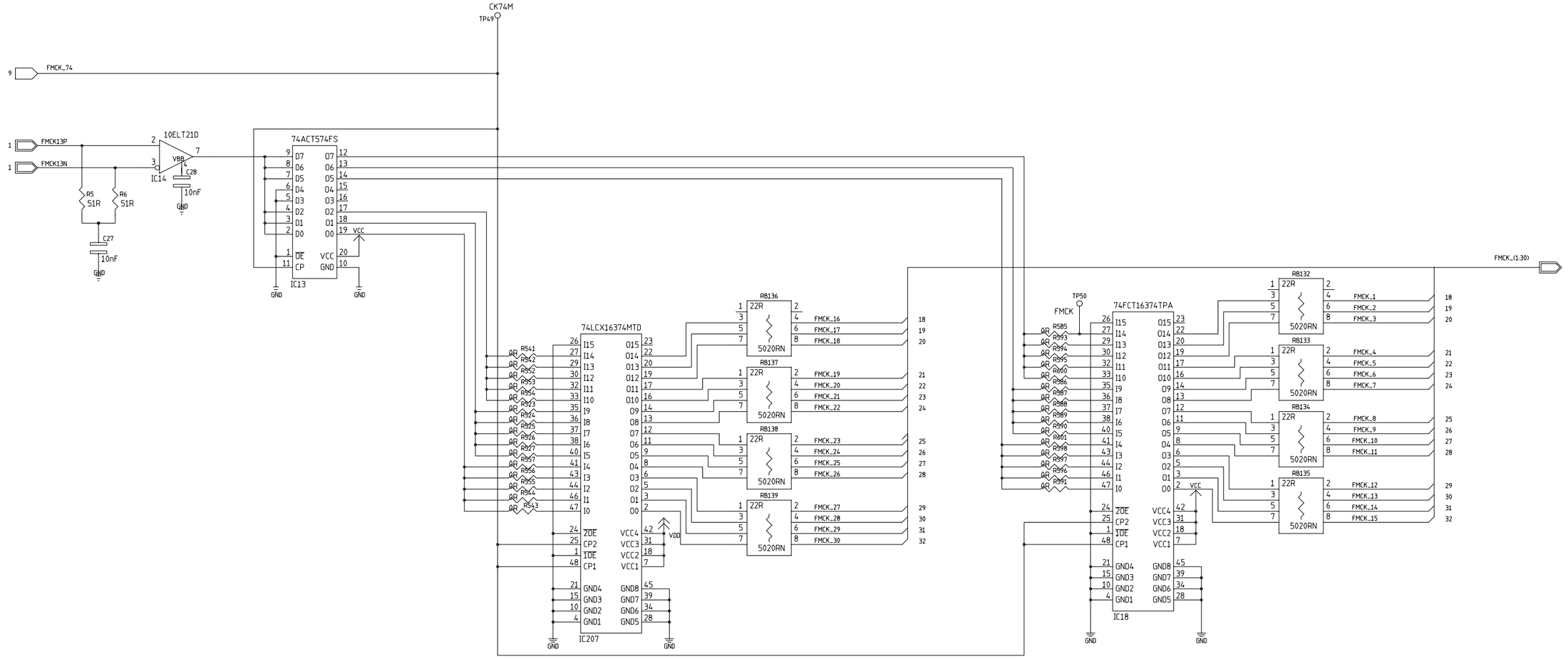


Input Board

DI-37 (9/32)

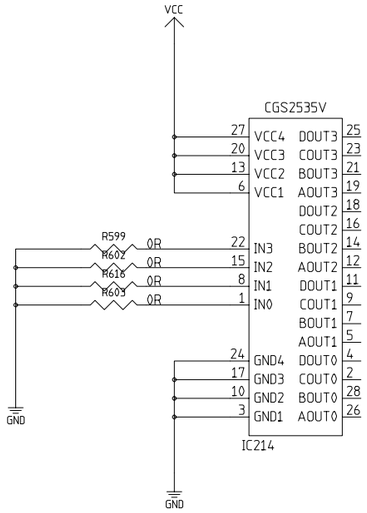
BOARD NO. 1-674-373-11

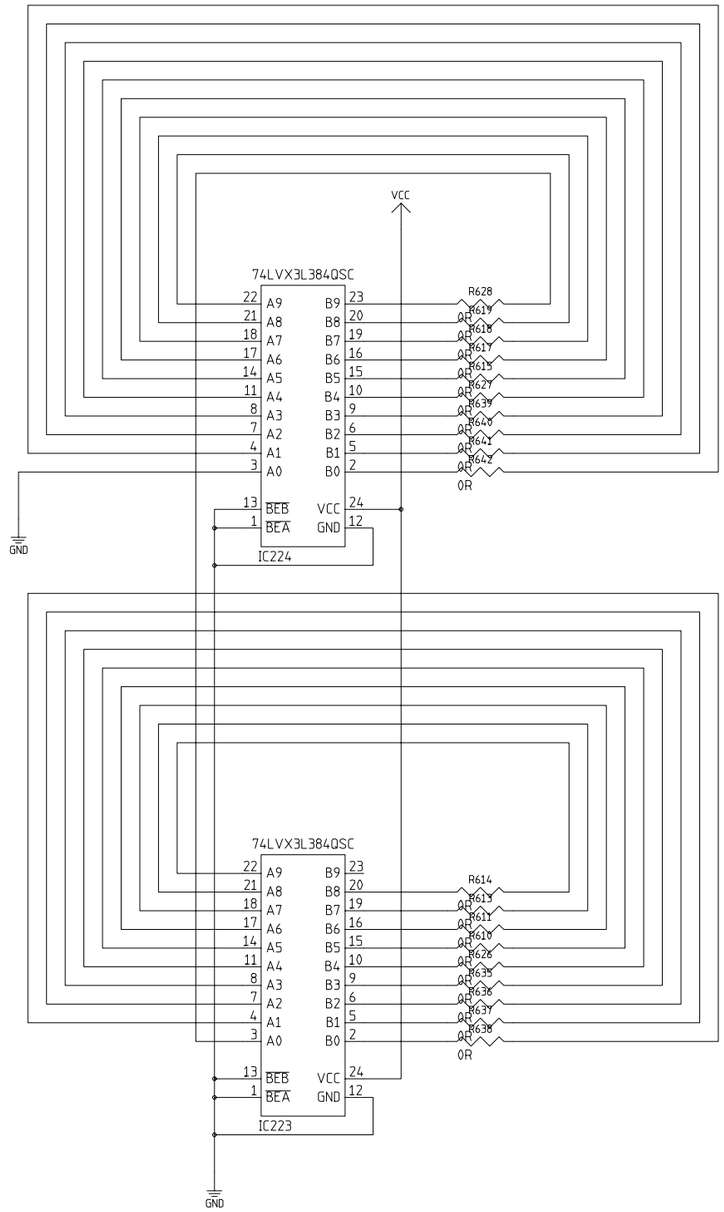
HDS-7000
HDS-7100
HDS-7150

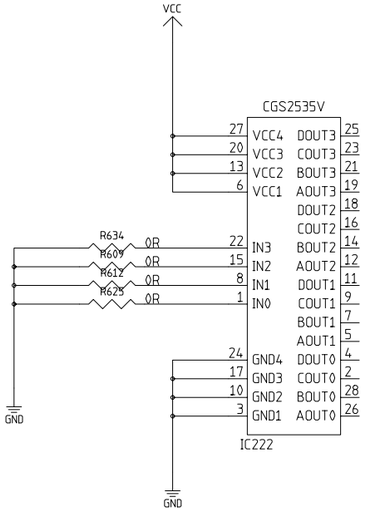


Input Board
DI-37 (10/32)
BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150



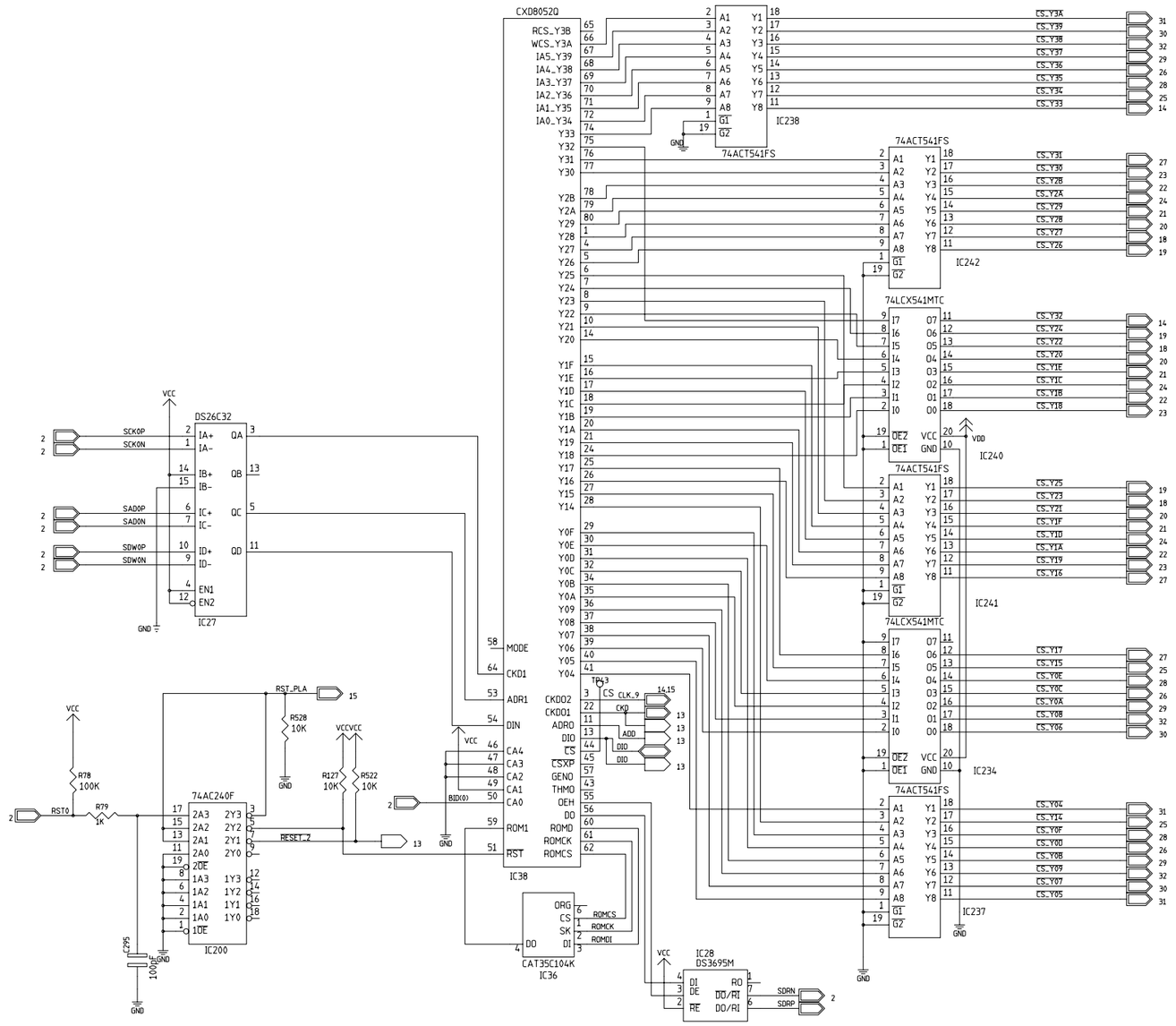




Input Board
DI-37 (11/32)
BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

DI-37 (12/32)



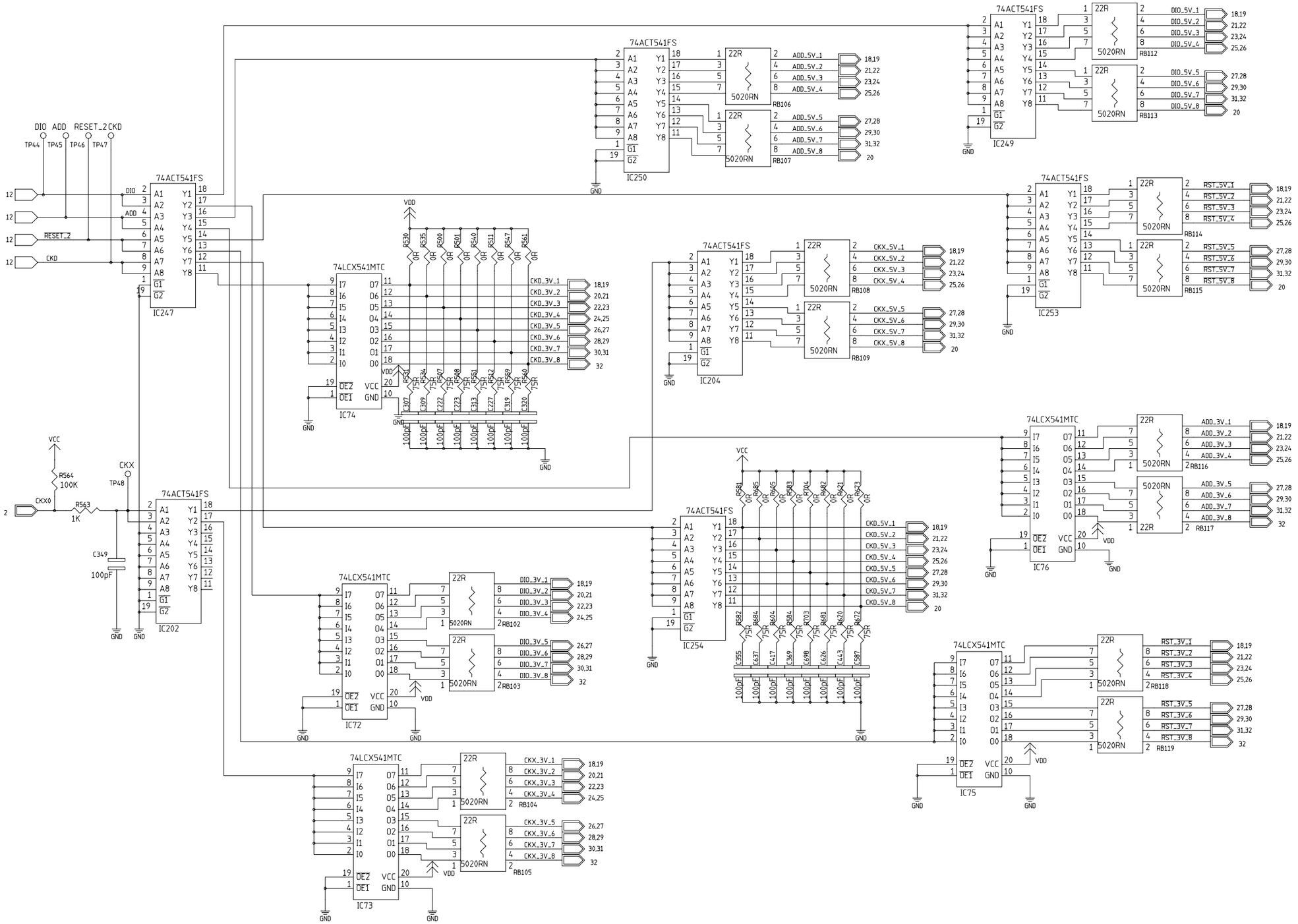
Input Board

DI-37 (12/32)

BOARD NO. 1-674-373-11

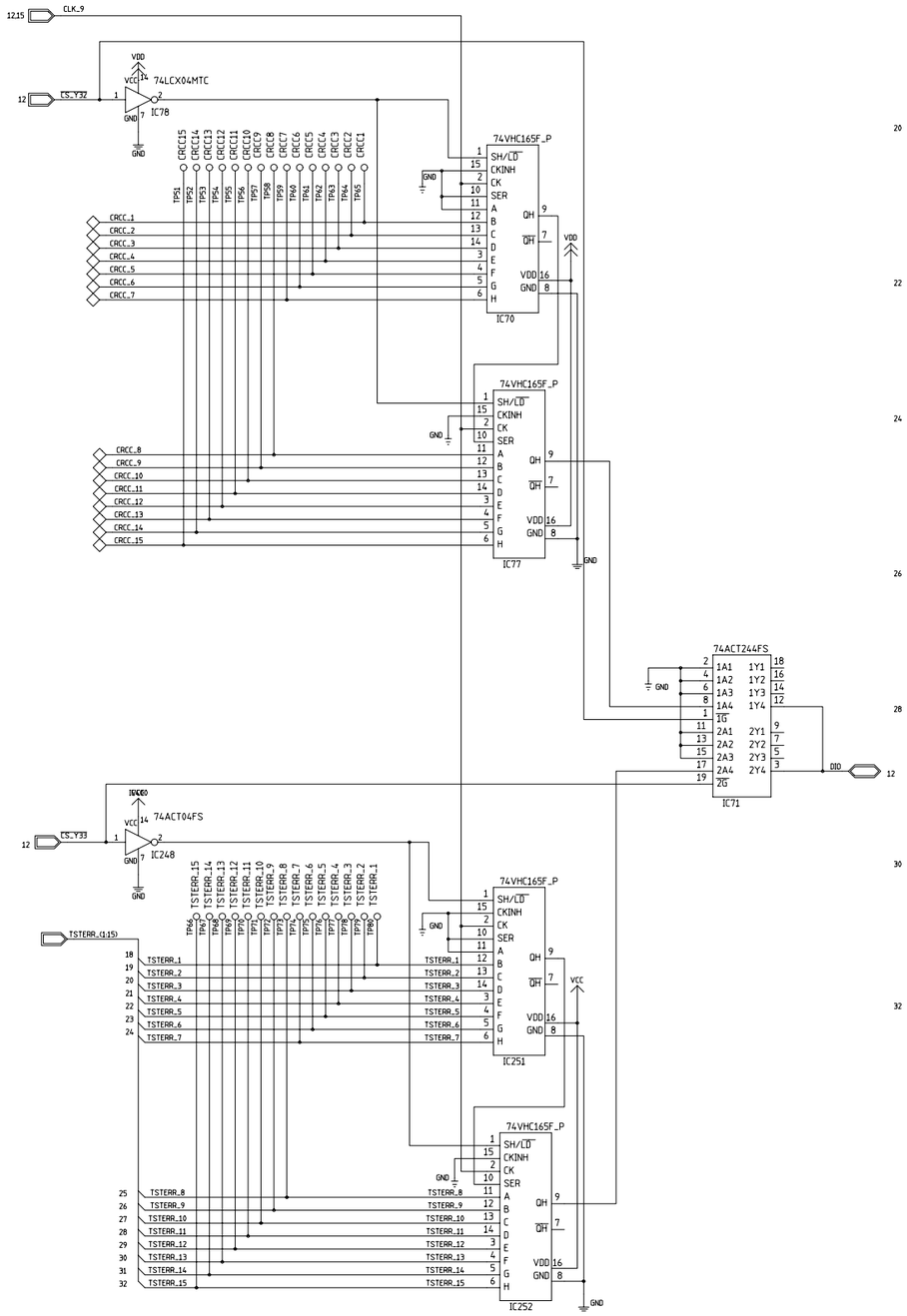
HDS-7000
HDS-7100
HDS-7150

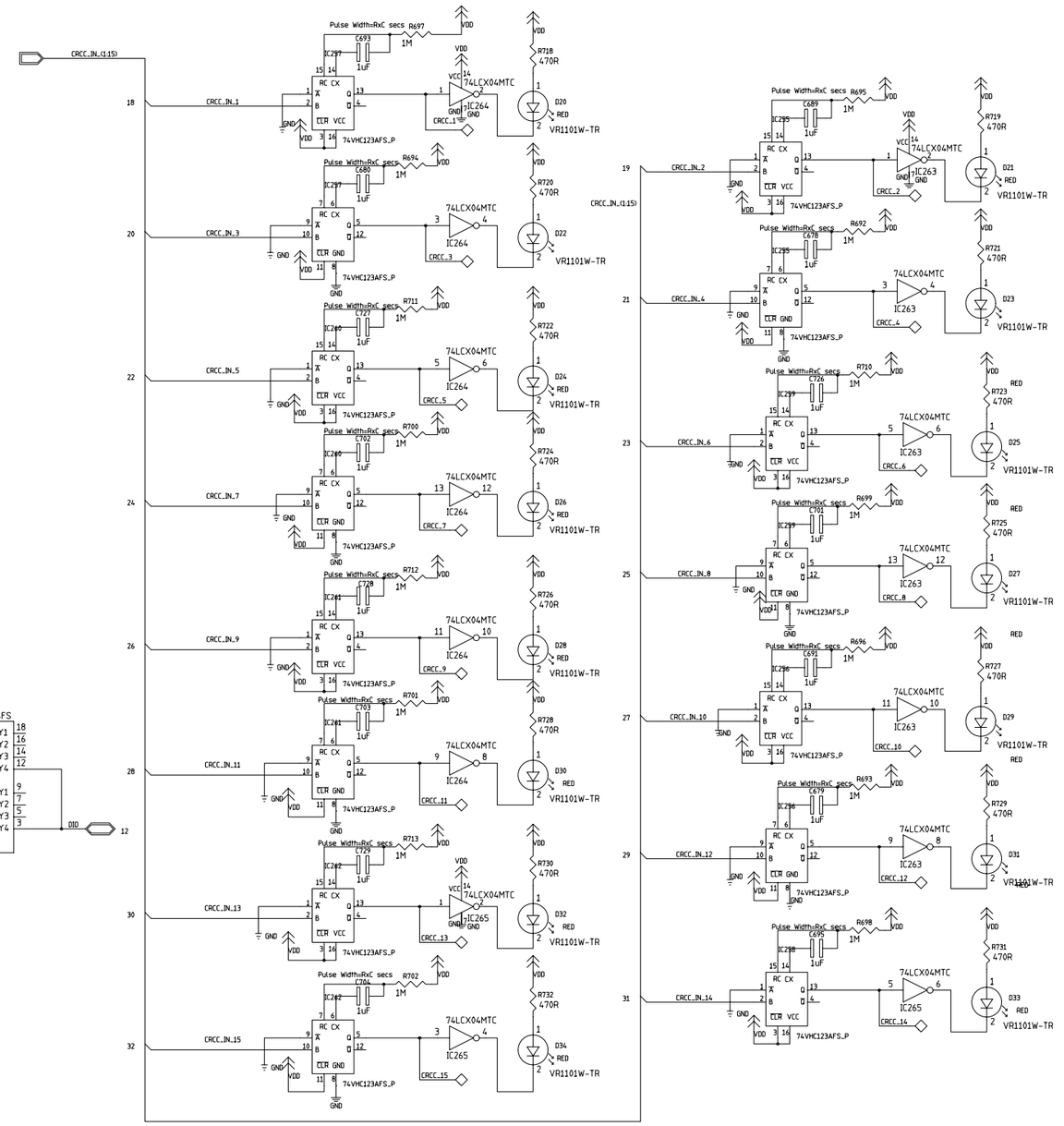
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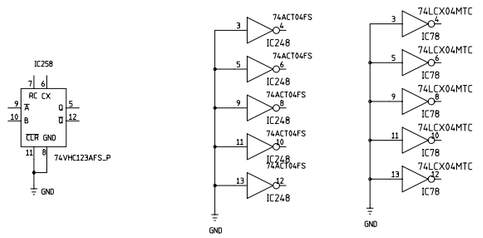


Input Board
DI-37 (13/32)
BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150





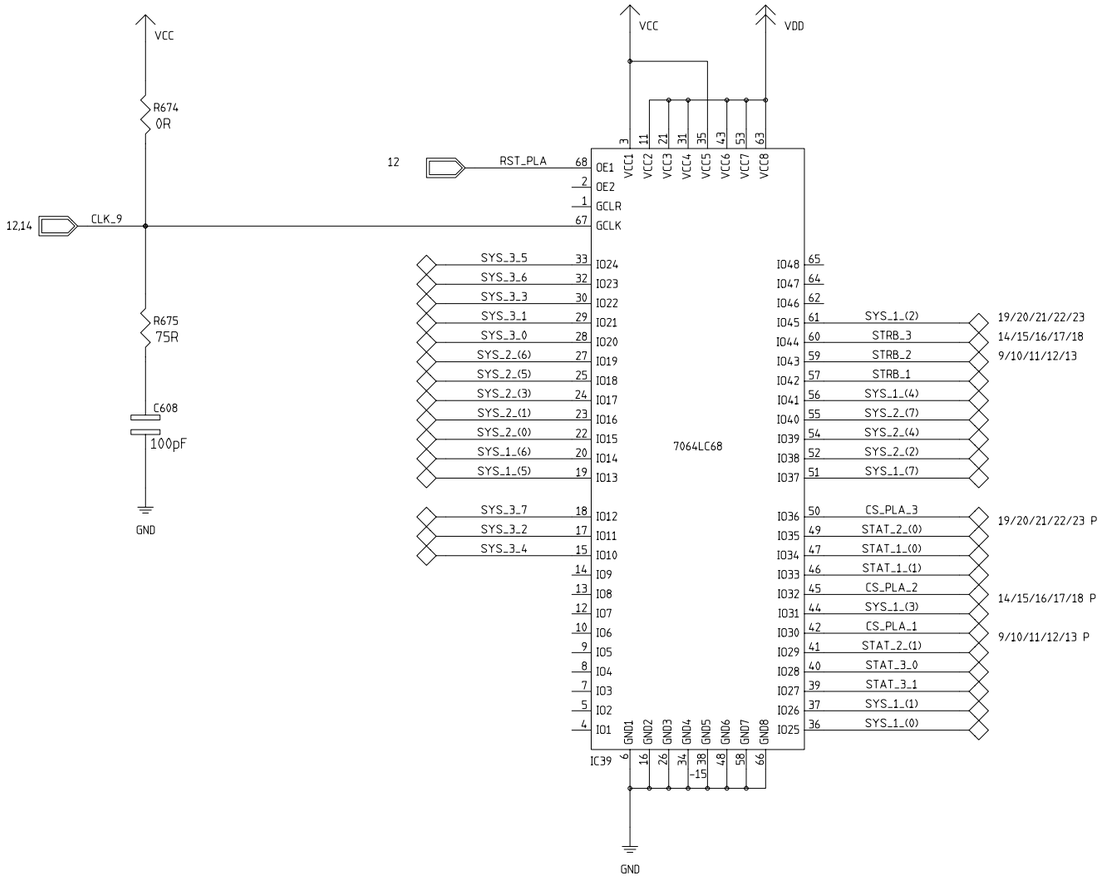


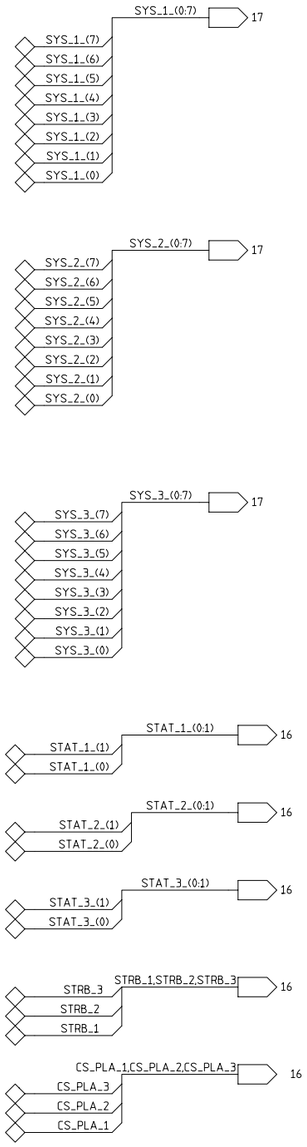
Input Board

DI-37 (14/32)

BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150



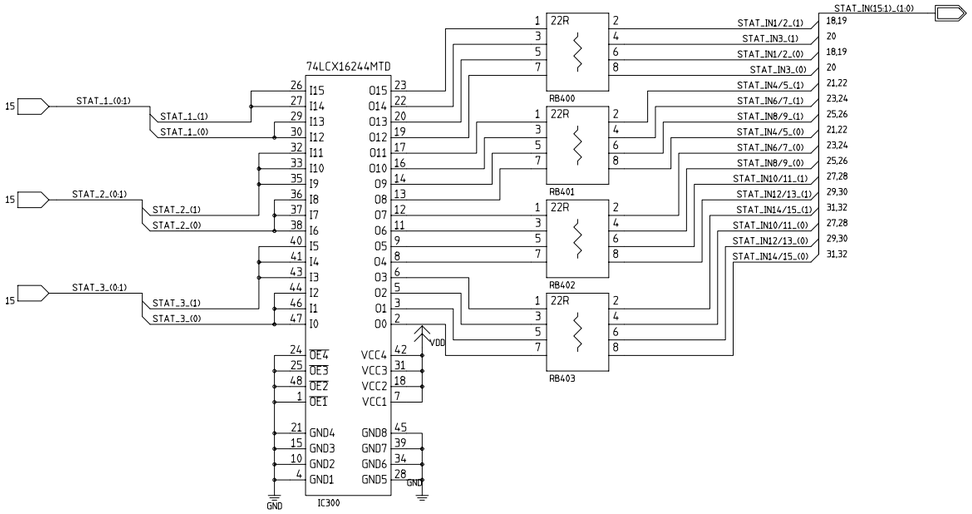


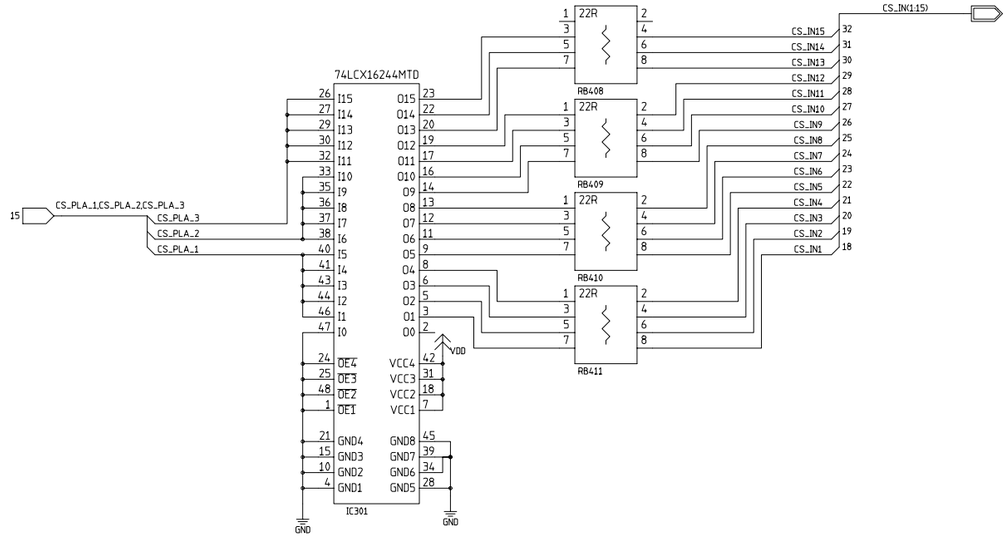
Input Board

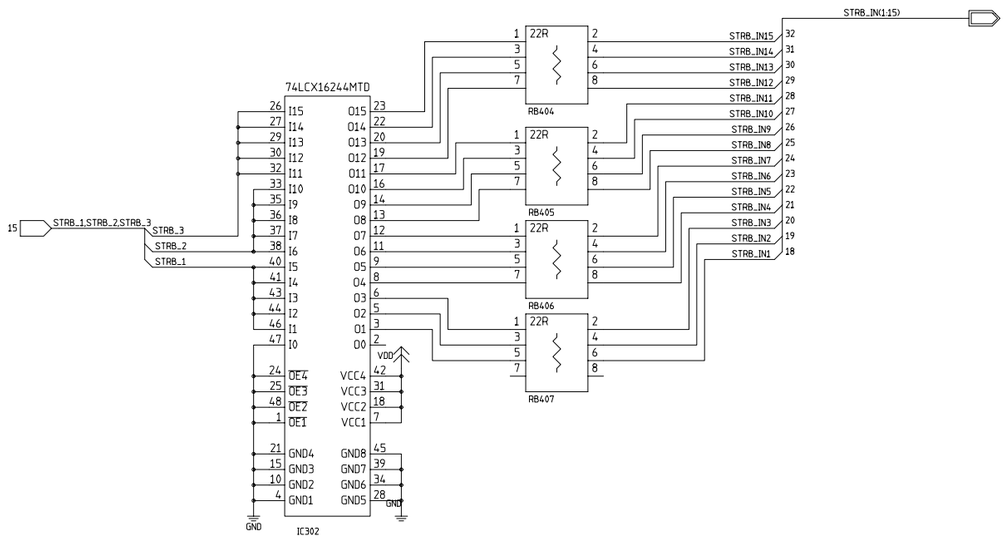
DI-37 (15/32)

BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

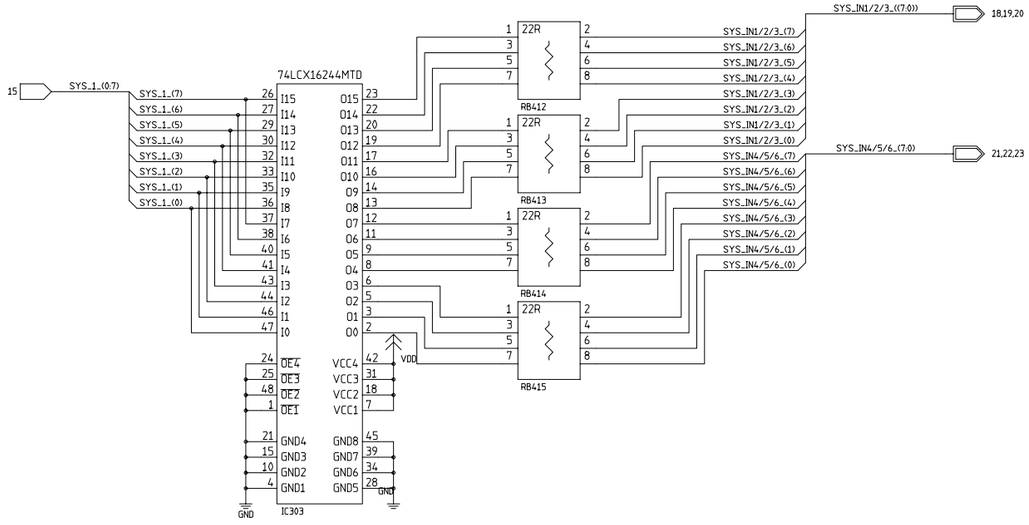


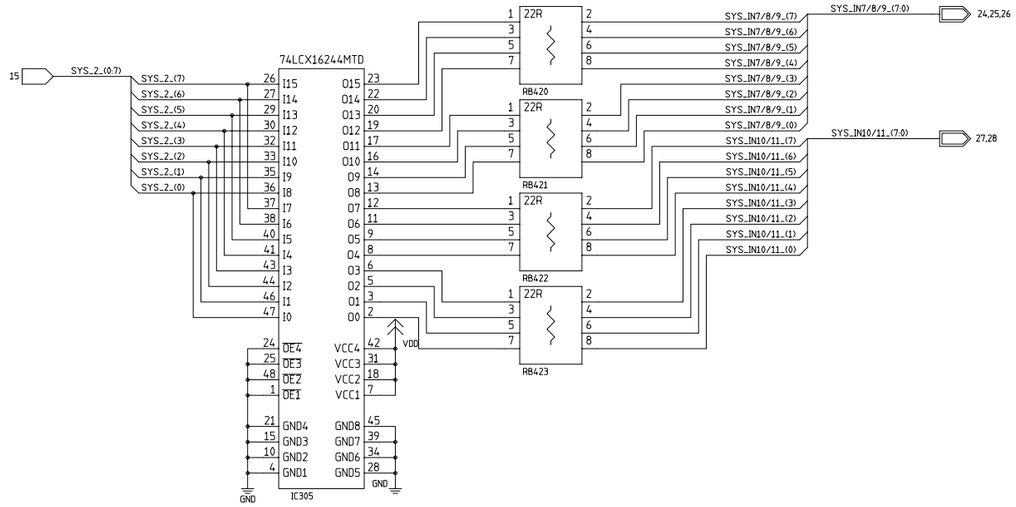


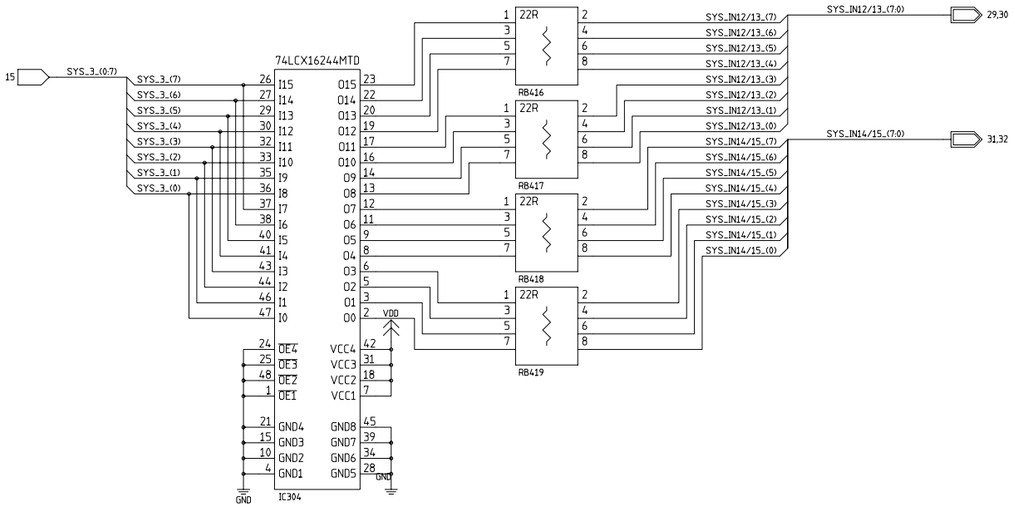


Input Board
DI-37 (16/32)
BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

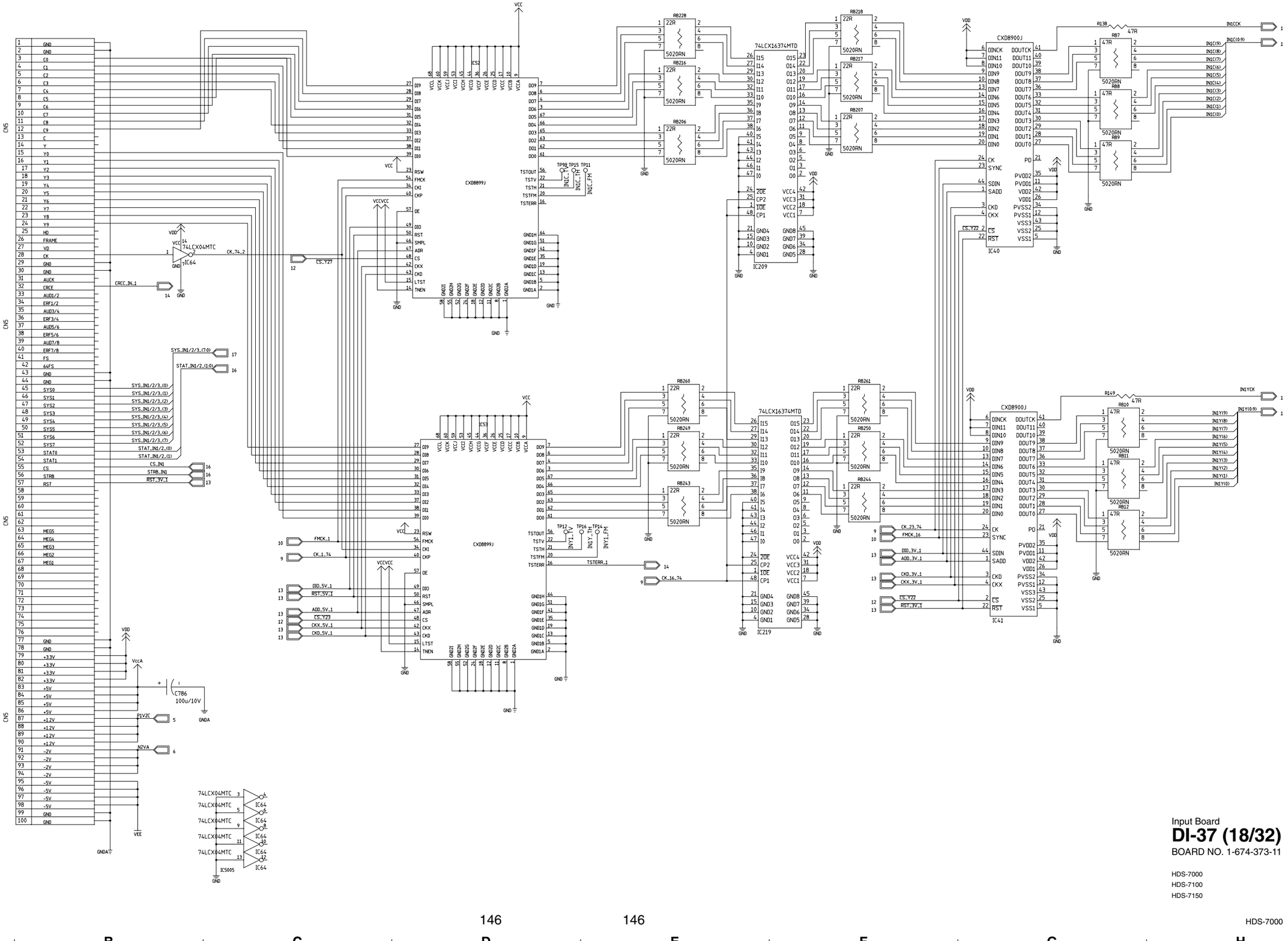






Input Board
DI-37 (17/32)
BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

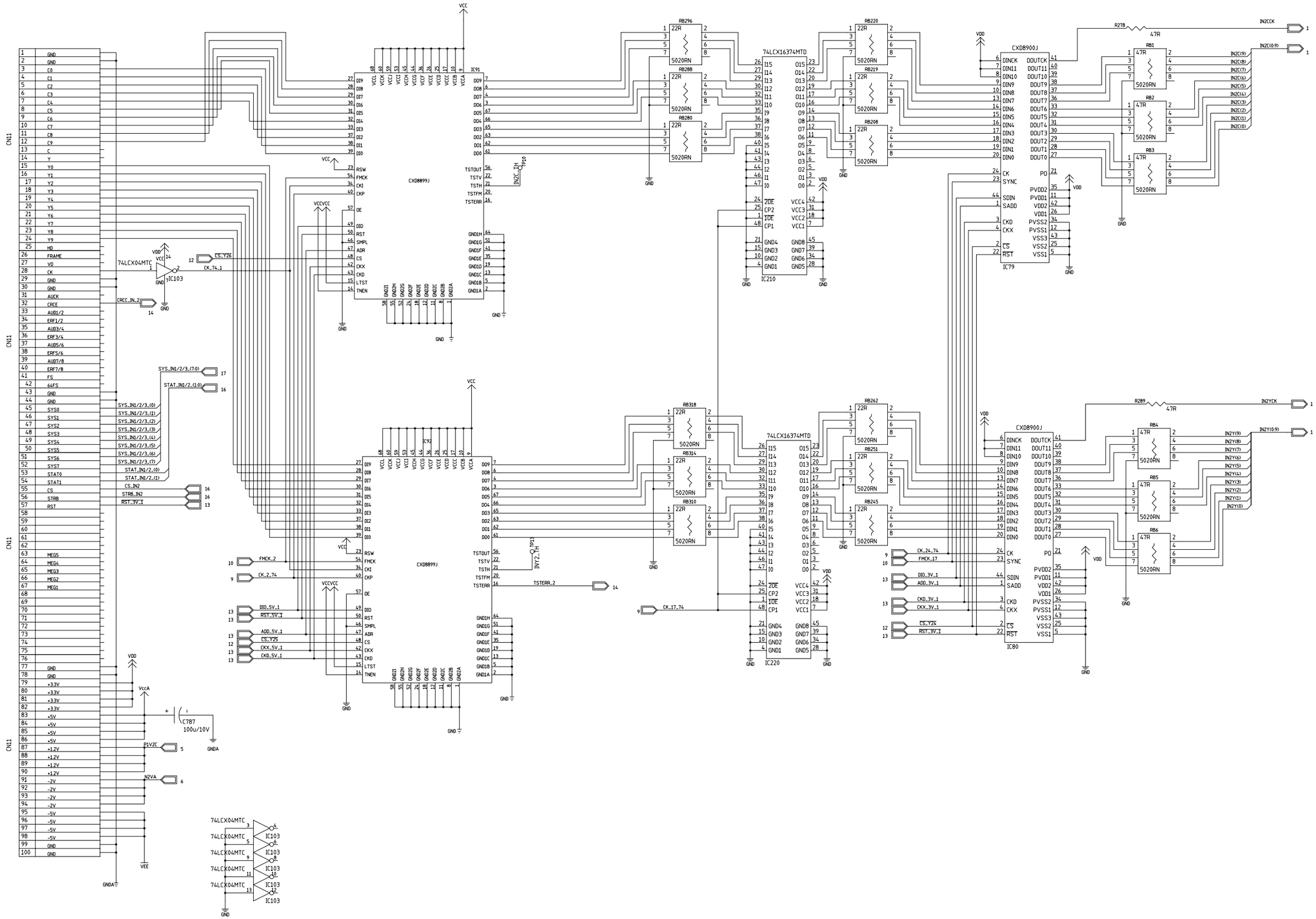


Input Board

DI-37 (18/32)

BOARD NO. 1-674-373-11

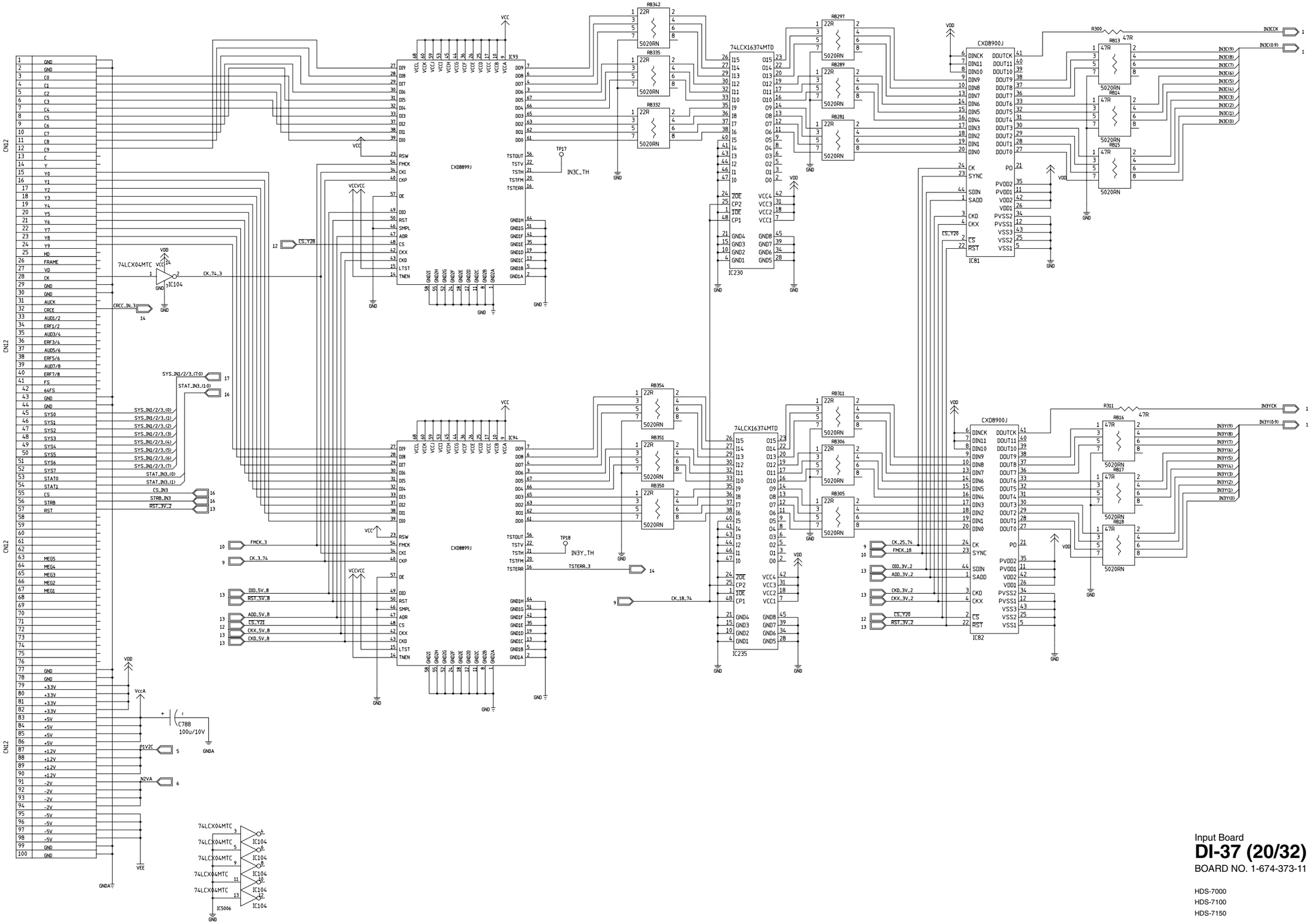
HDS-7000
HDS-7100
HDS-7150



Input Board
DI-37 (19/32)
BOARD NO. 1-674-373-11

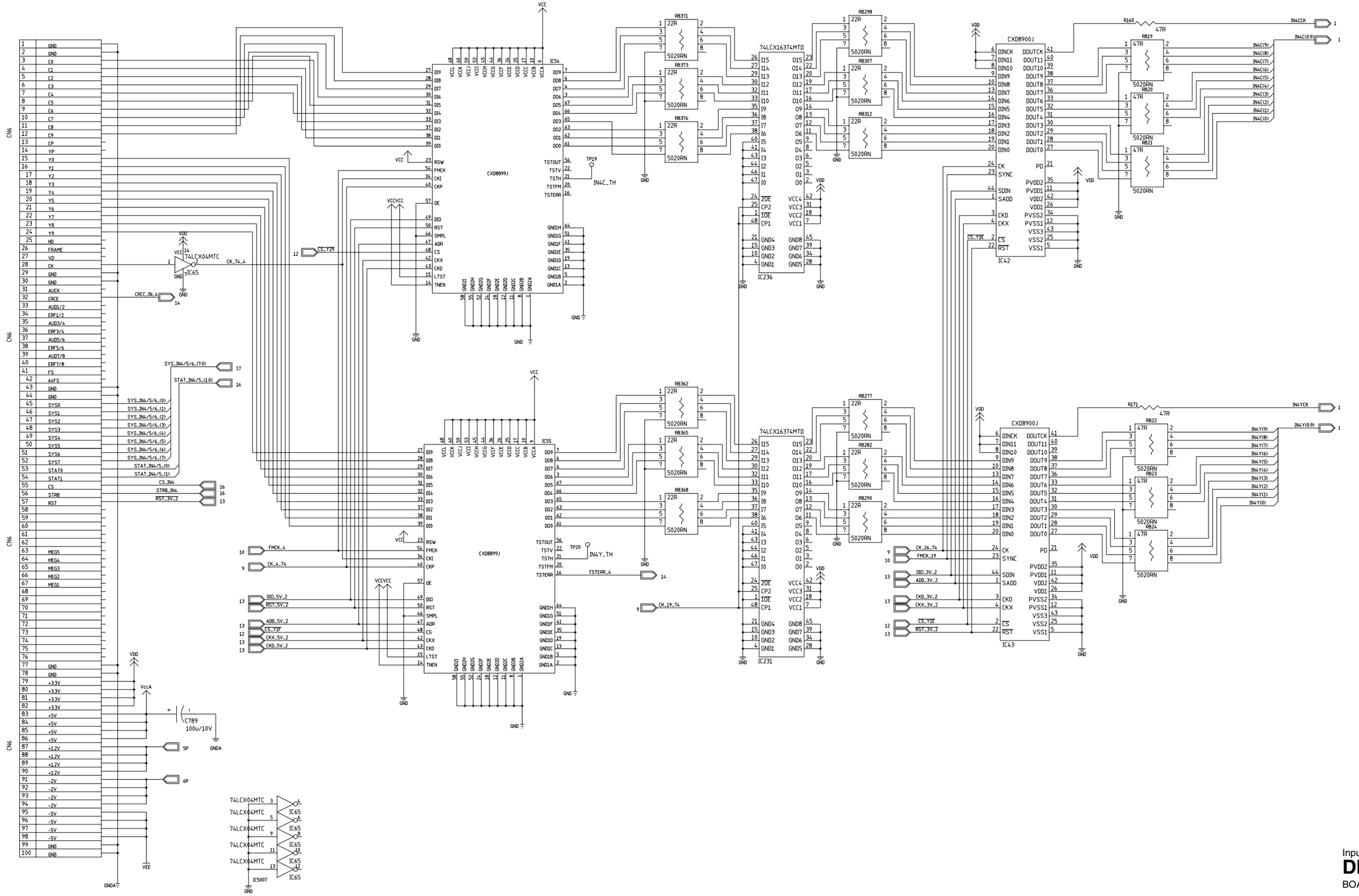
HDS-7000
HDS-7100
HDS-7150

DI-37 (20/32)



Input Board
DI-37 (20/32)
BOARD NO. 1-674-373-11

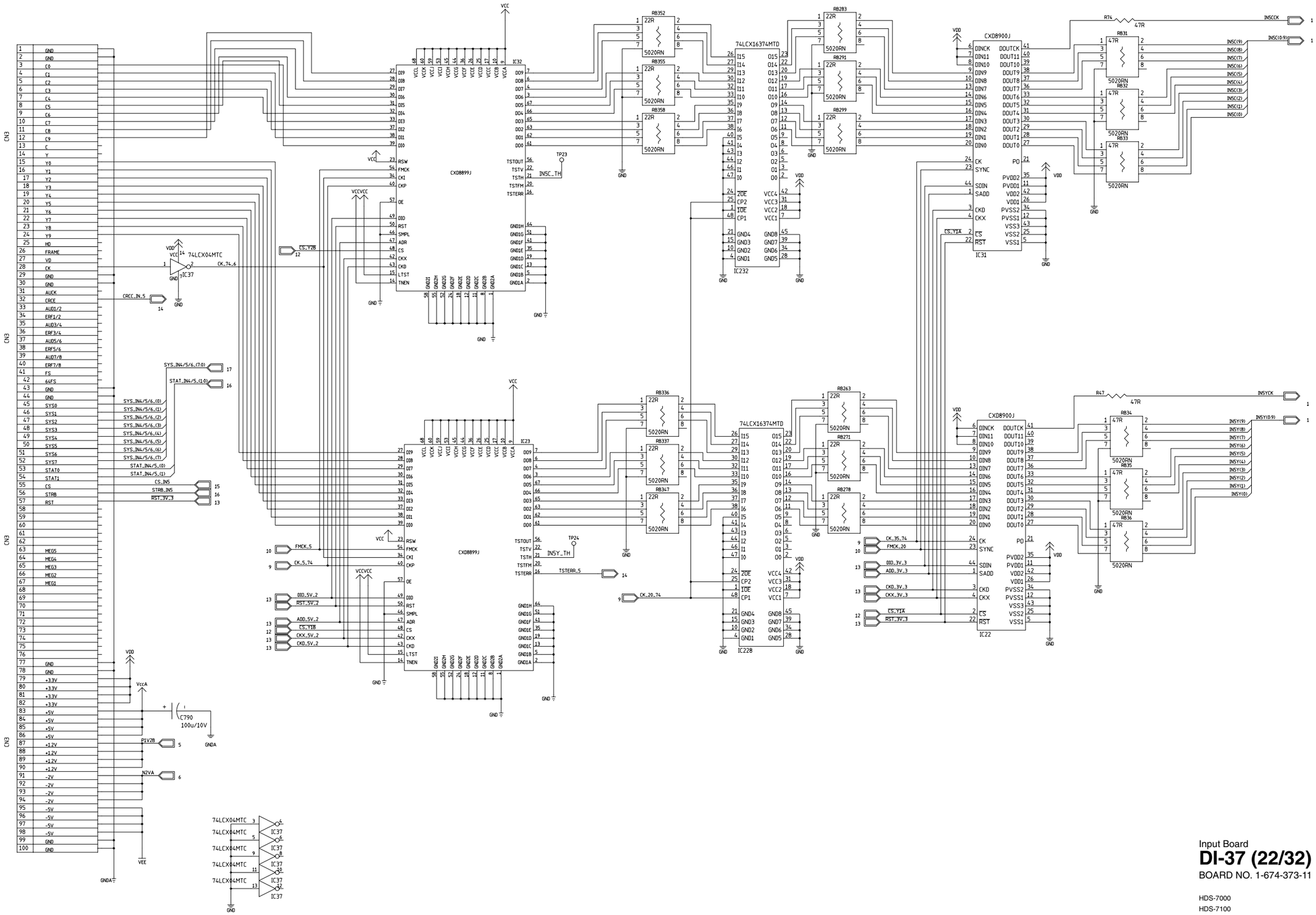
HDS-7000
HDS-7100
HDS-7150



Input Board
DI-37 (21/32)
BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

DI-37 (22/32)

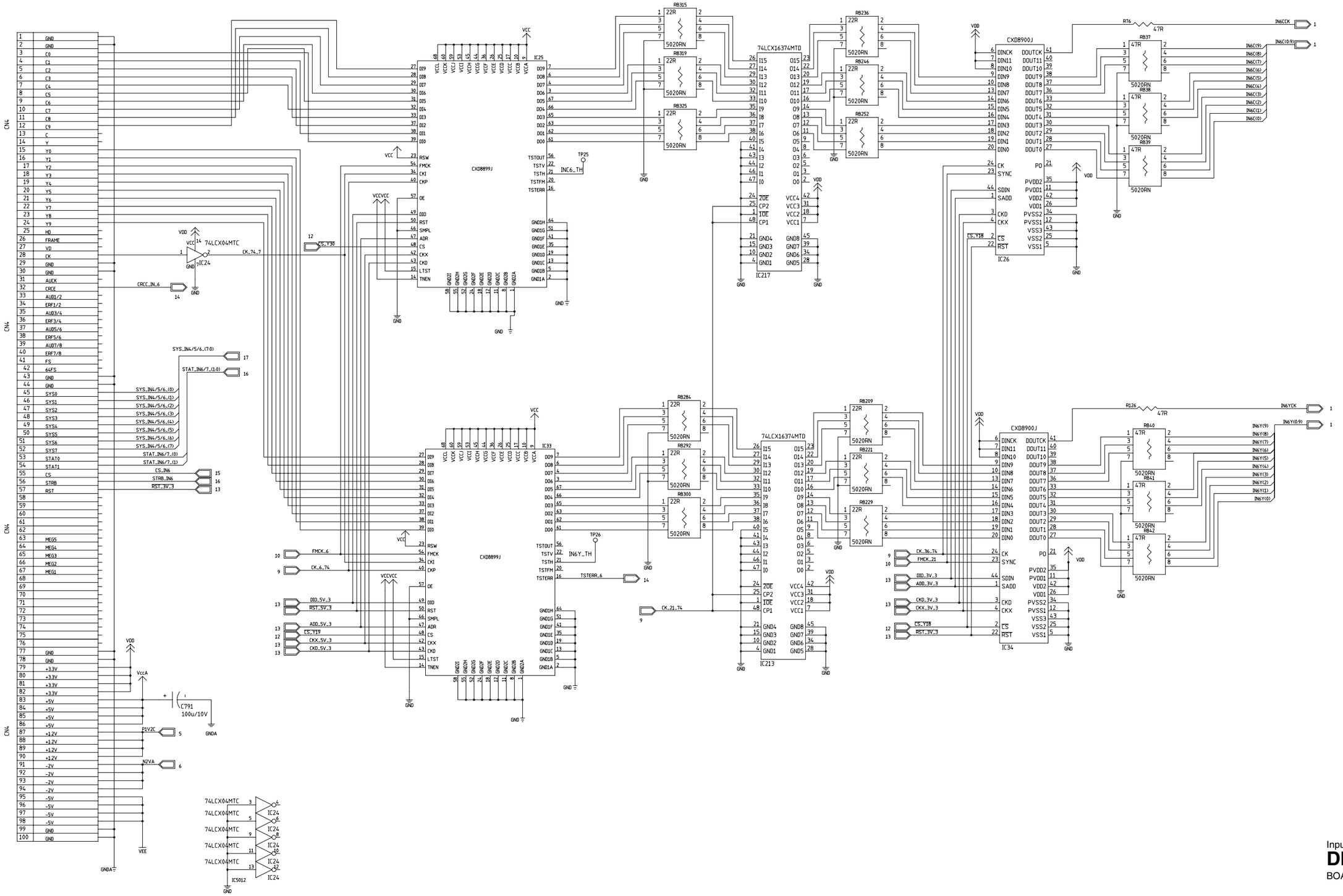


Input Board

DI-37 (22/32)

BOARD NO. 1-674-373-11

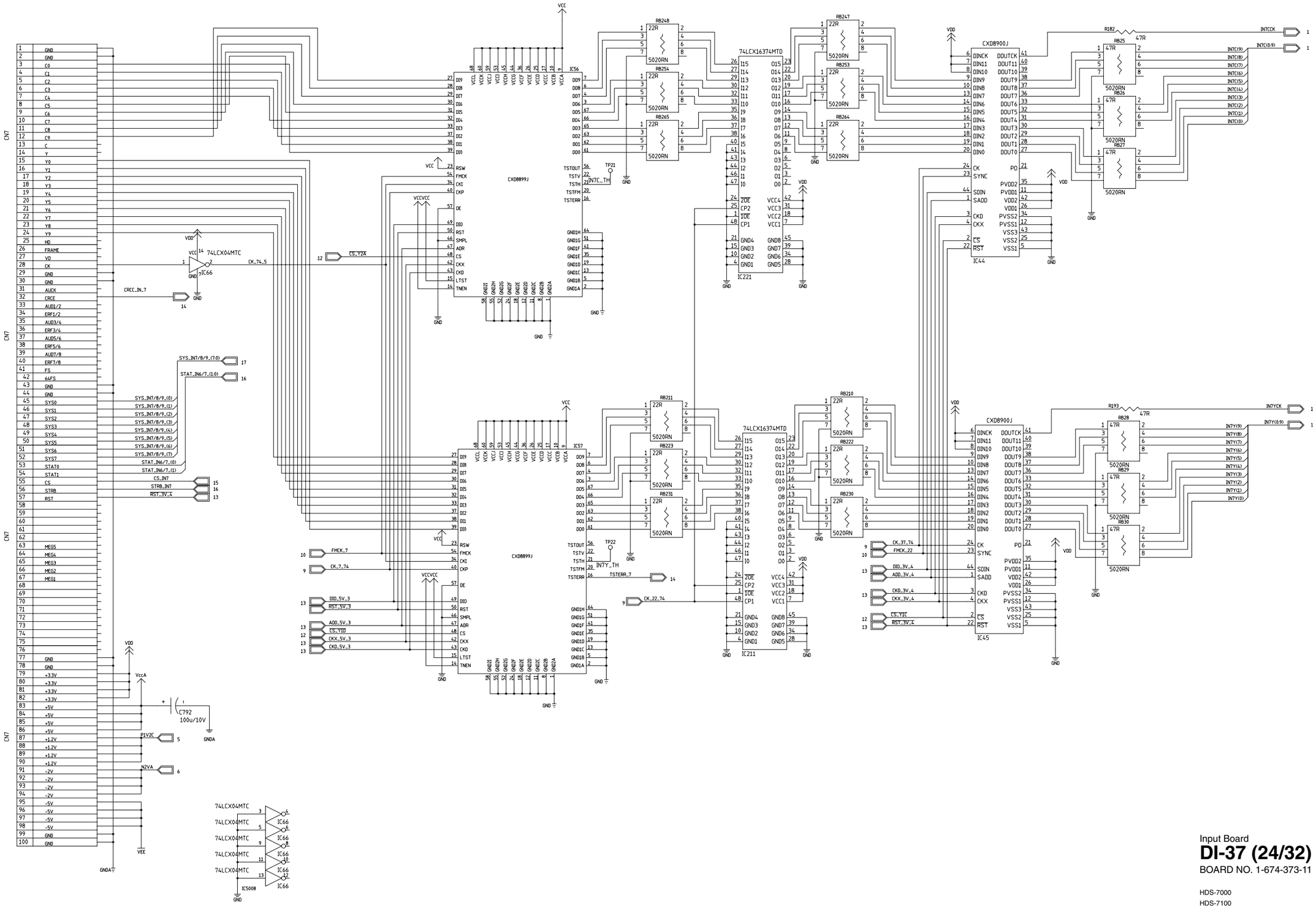
HDS-7000
HDS-7100
HDS-7150



Input Board
DI-37 (23/32)
BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

DI-37 (24/32)

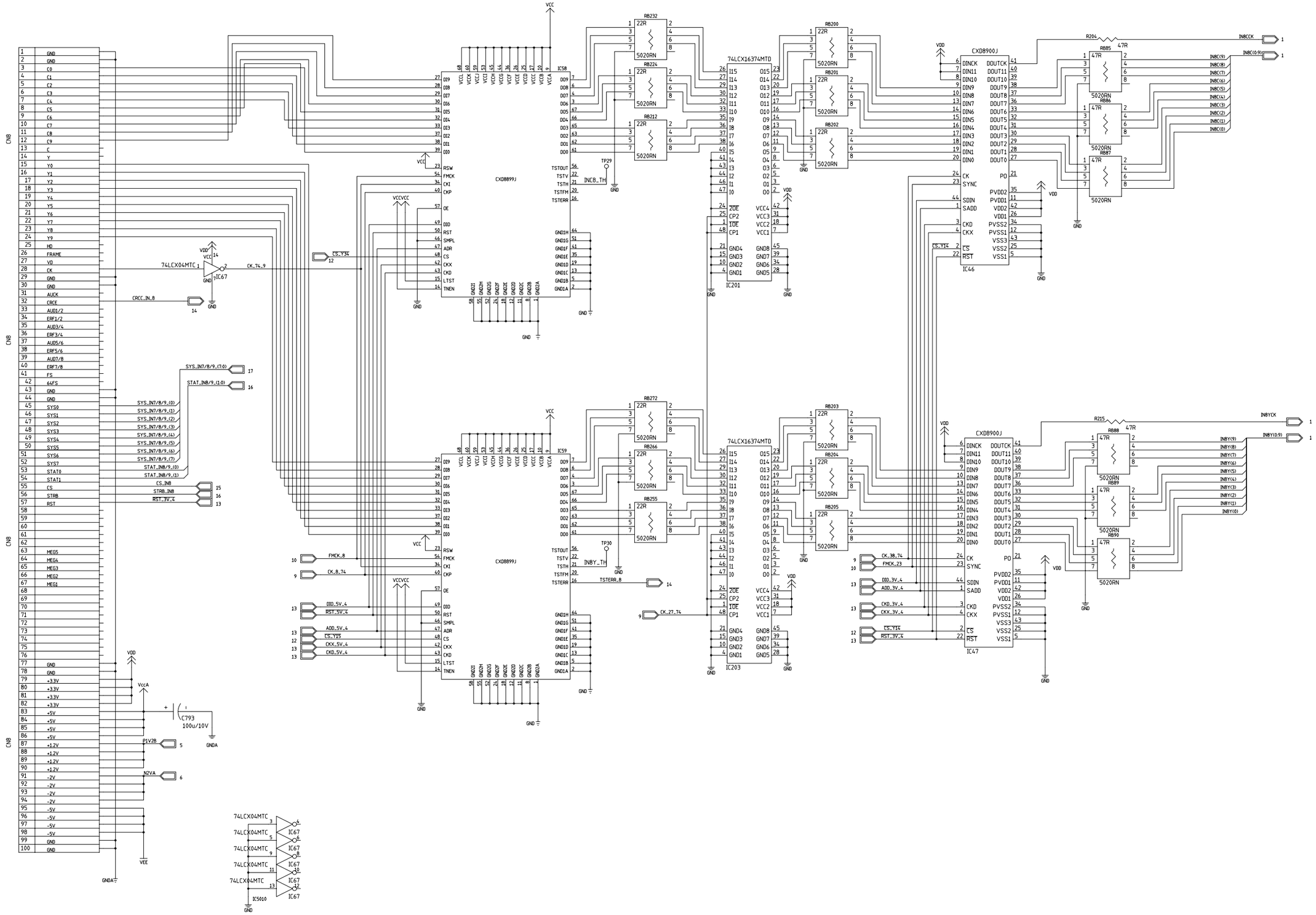


Input Board

DI-37 (24/32)

BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

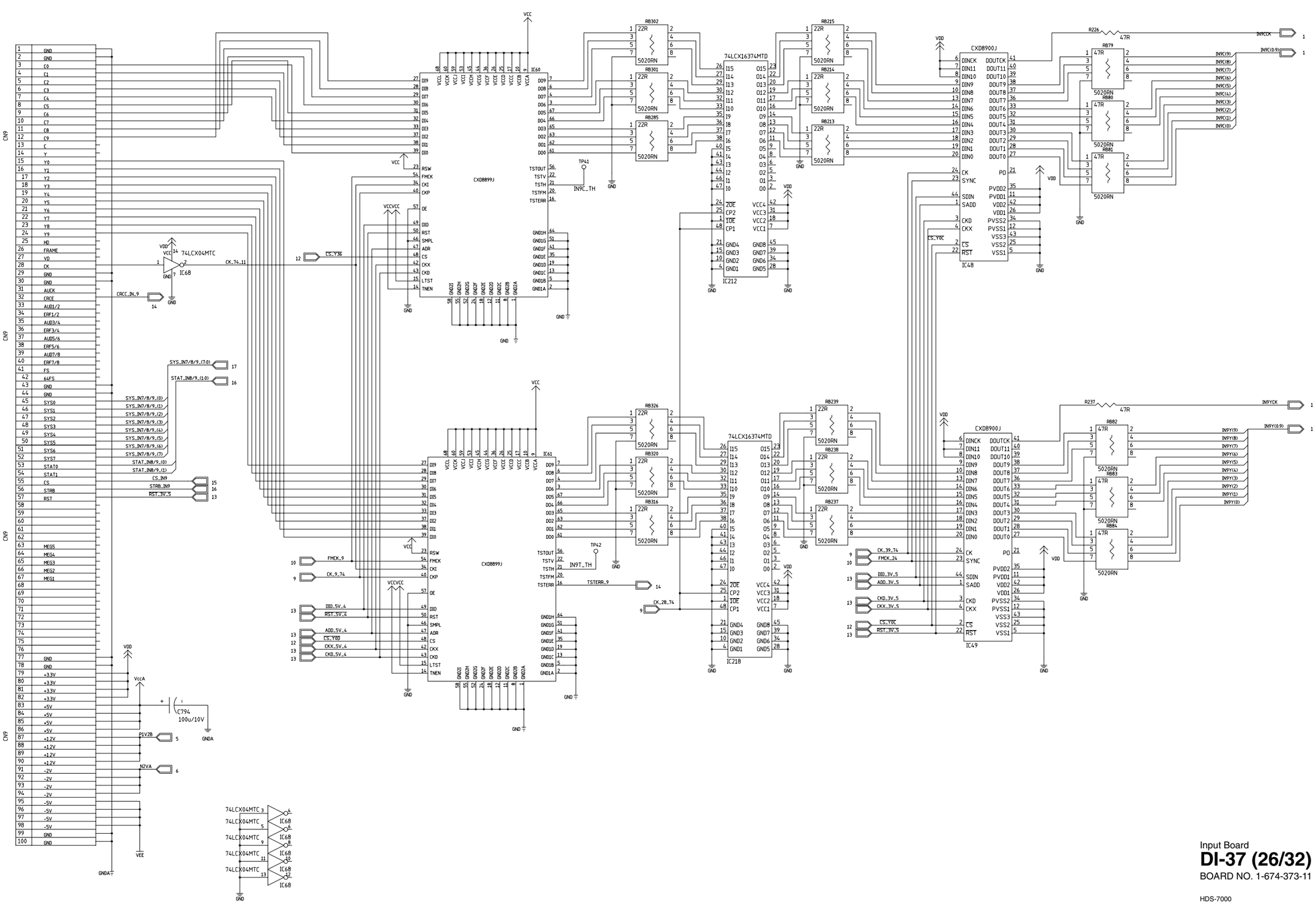


Input Board

DI-37 (25/32)

BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

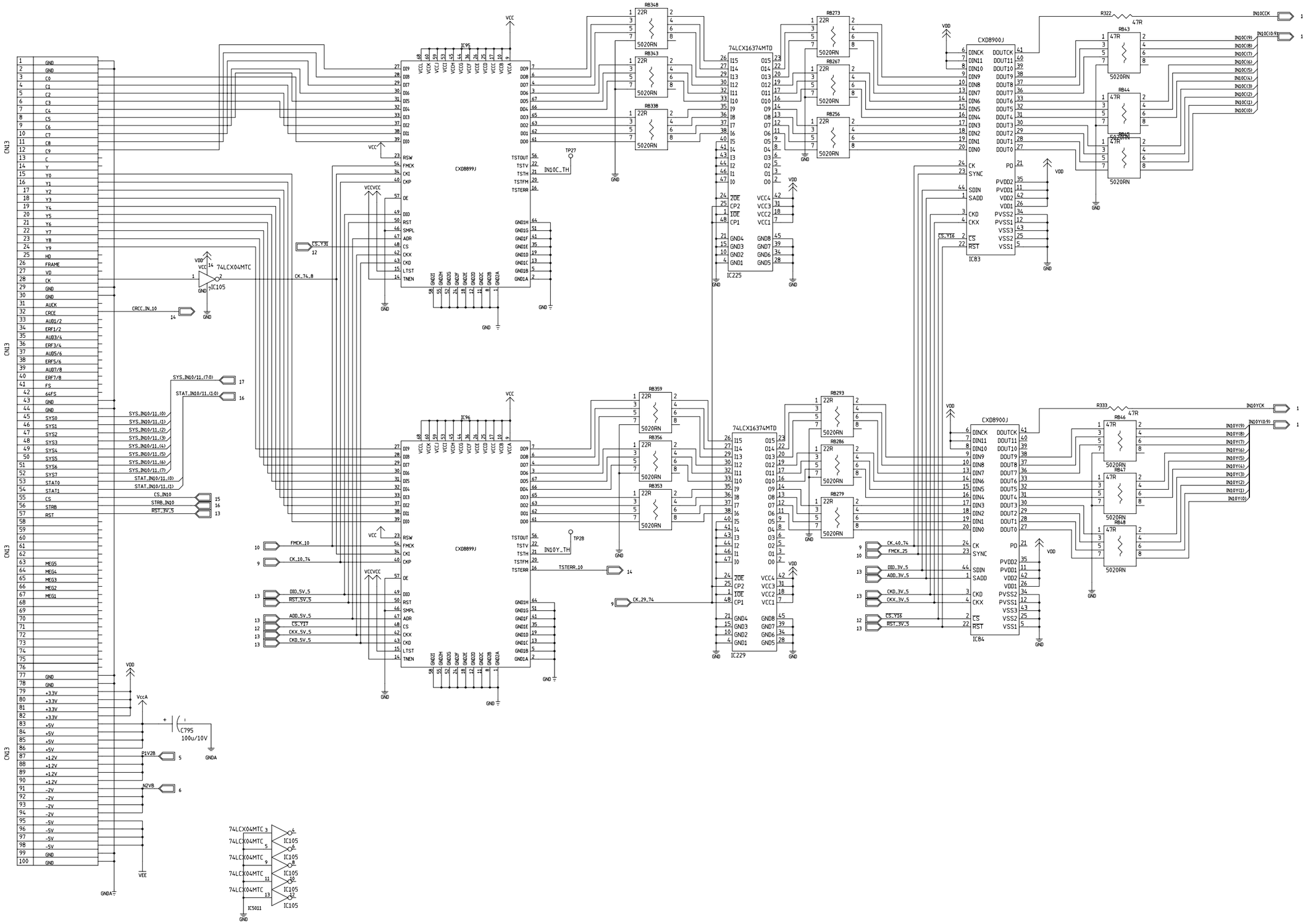


Input Board

DI-37 (26/32)

BOARD NO. 1-674-373-11

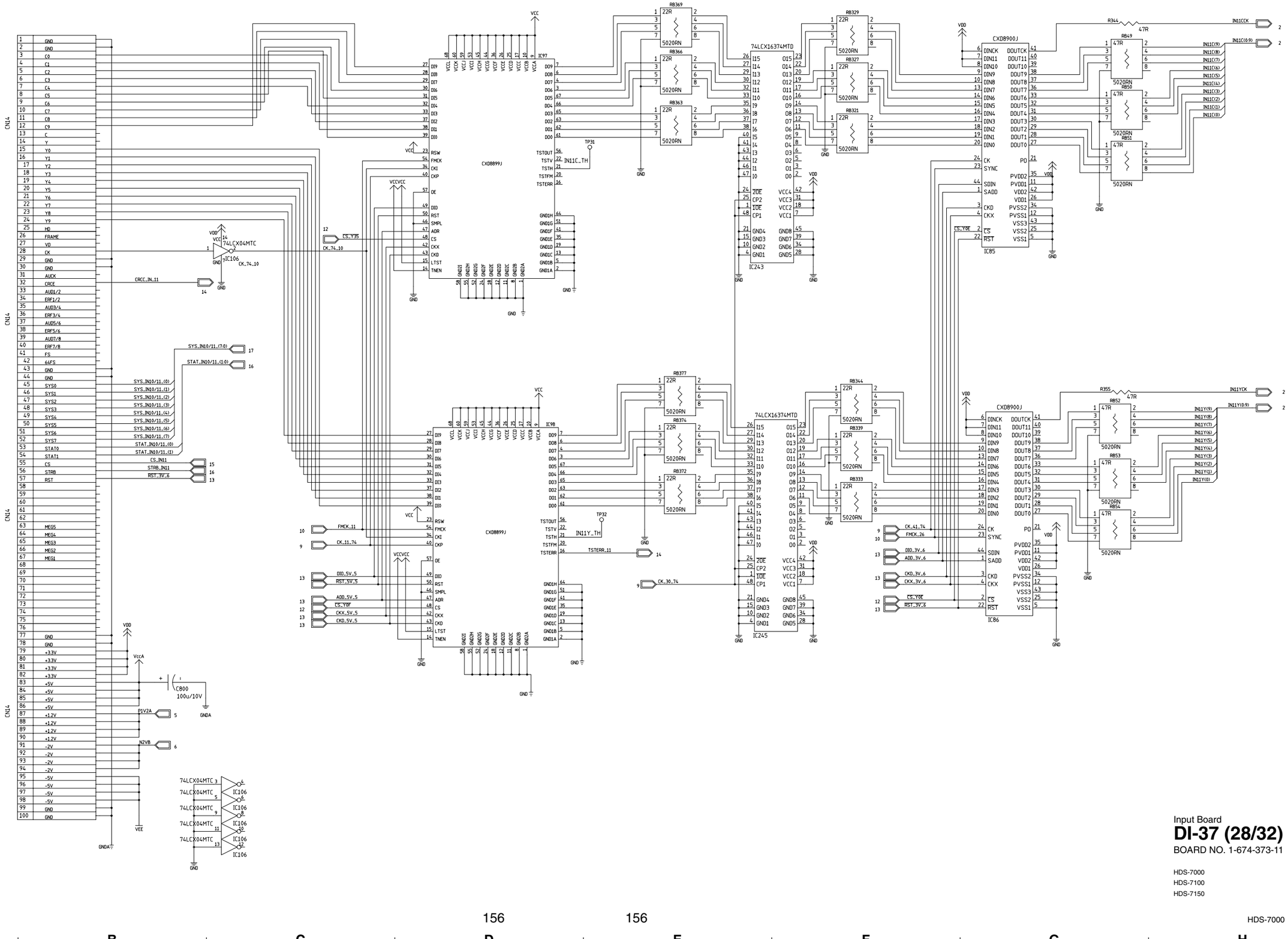
HDS-7000
HDS-7100
HDS-7150



Input Board
DI-37 (27/32)
BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

DI-37 (28/32)

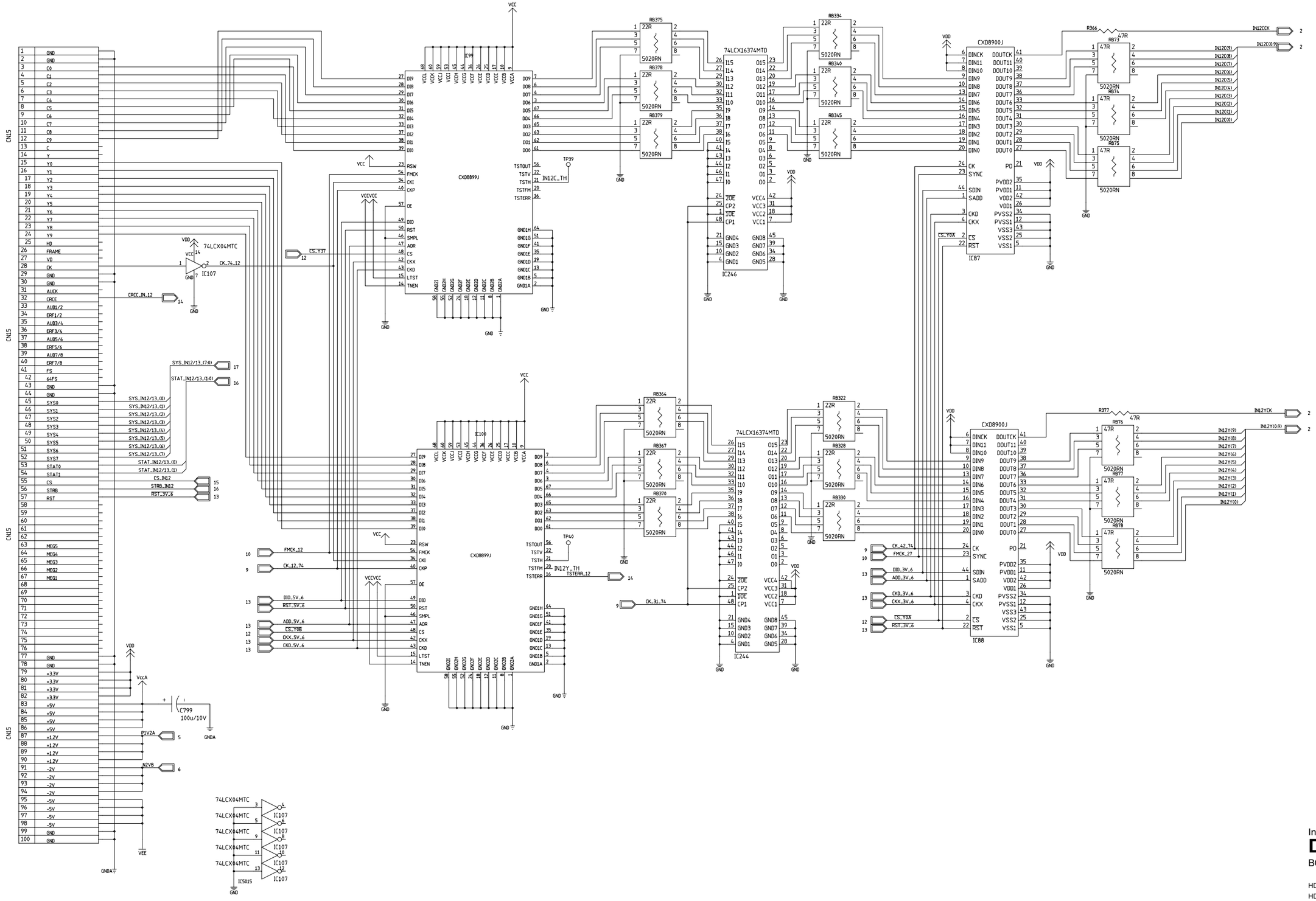


Input Board

DI-37 (28/32)

BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150



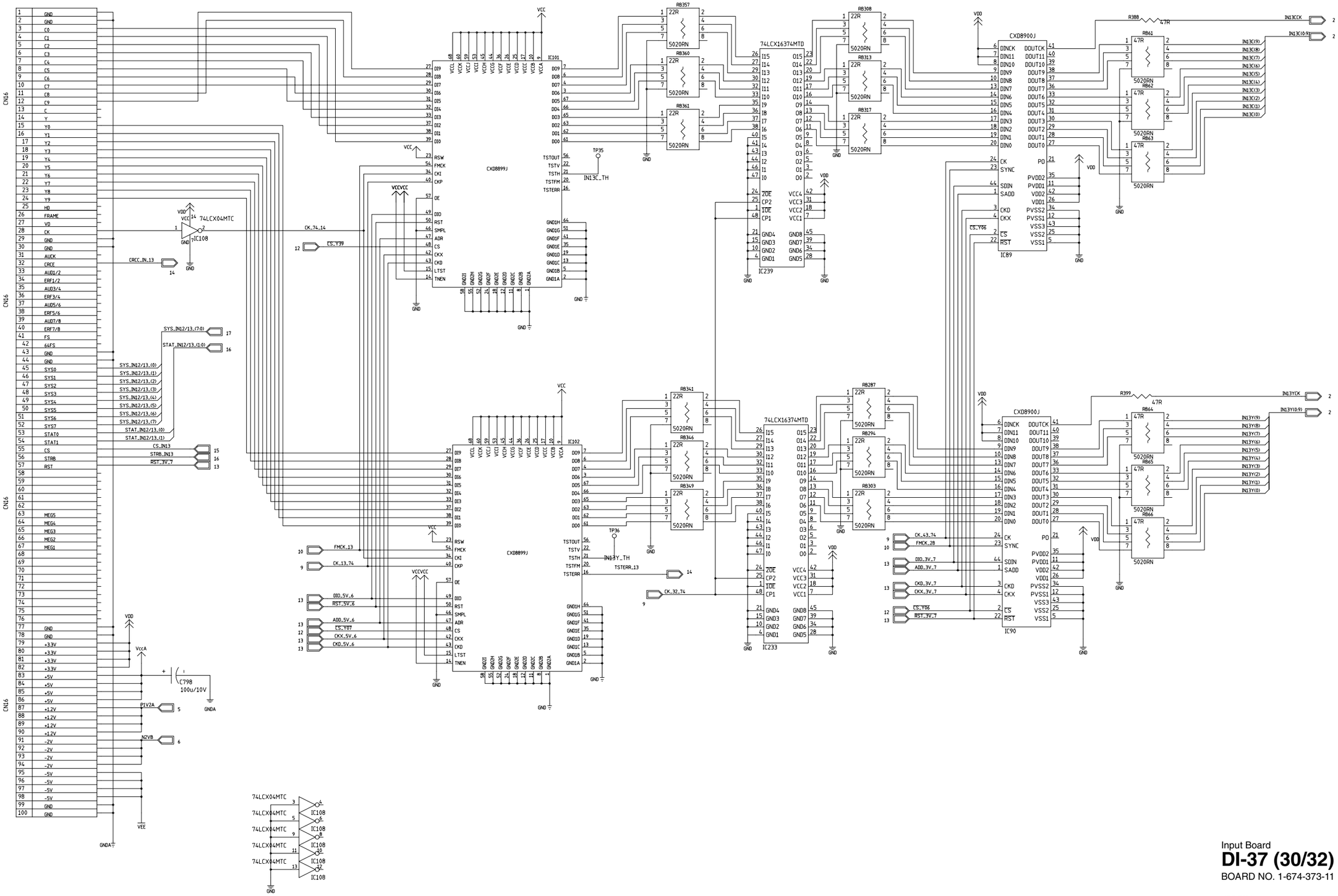
Input Board

DI-37 (29/32)

BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

DI-37 (30/32)



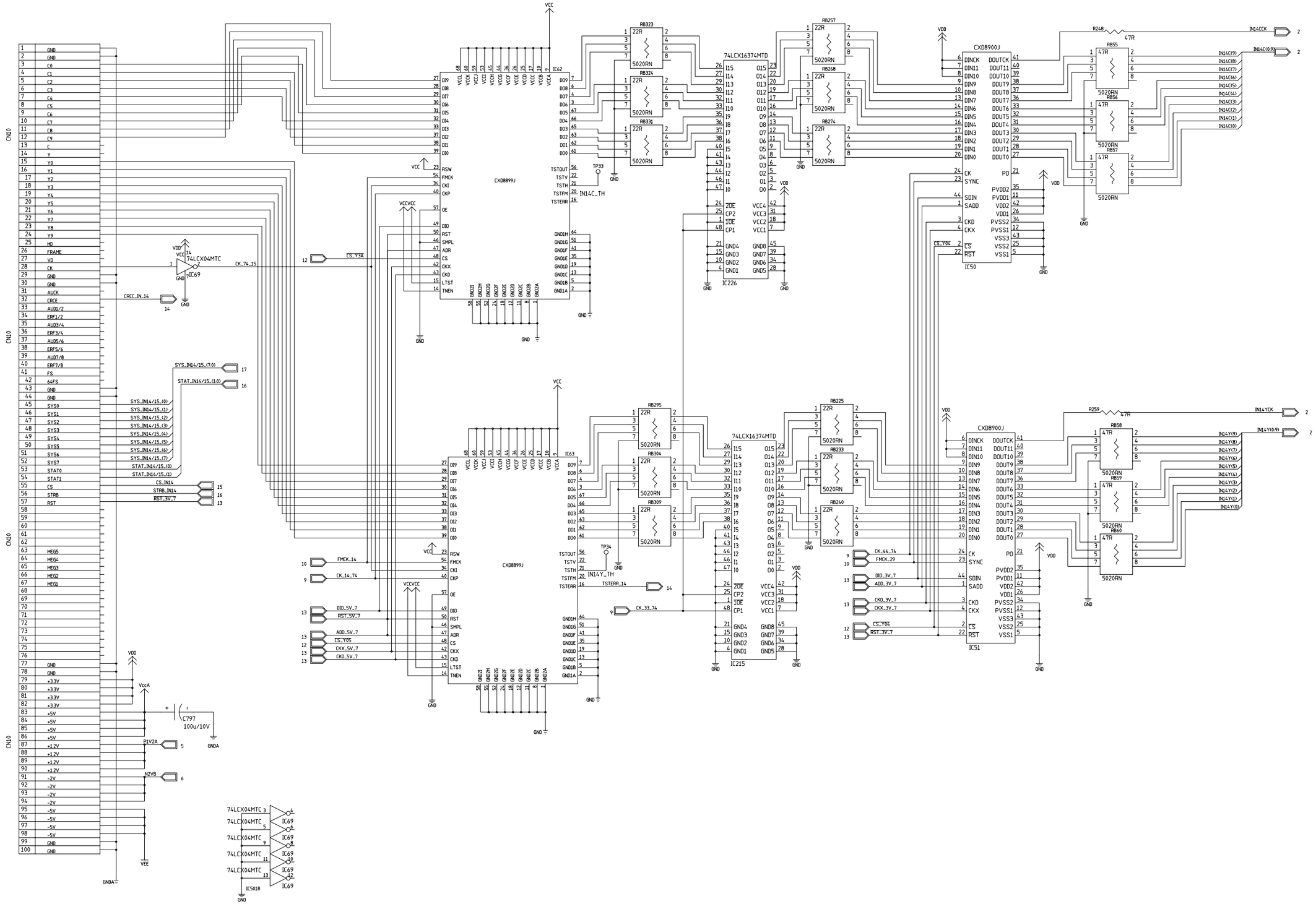
Input Board

DI-37 (30/32)

BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

158



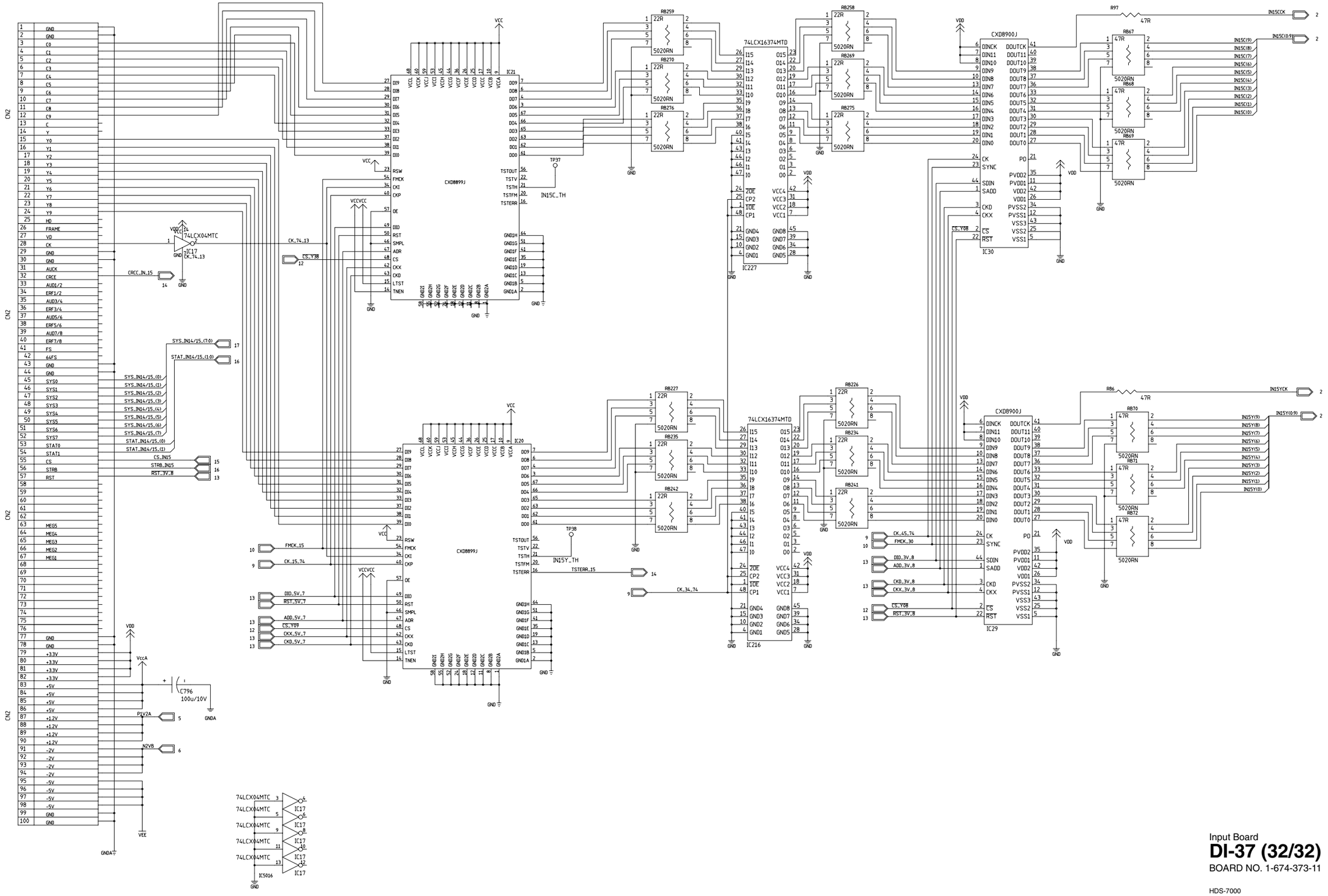
Input Board

DI-37 (31/32)

BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150

DI-37 (32/32)

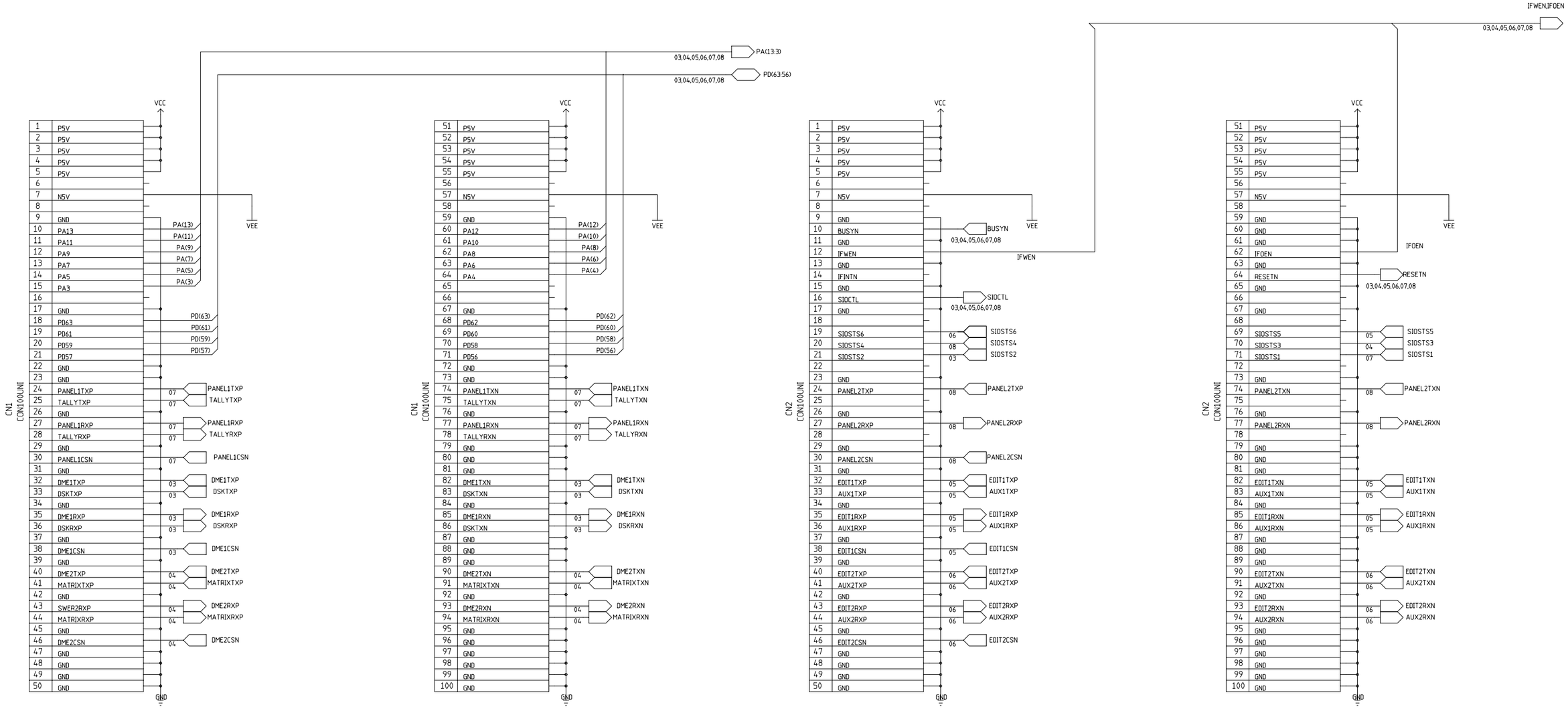


Input Board

DI-37 (32/32)

BOARD NO. 1-674-373-11

HDS-7000
HDS-7100
HDS-7150



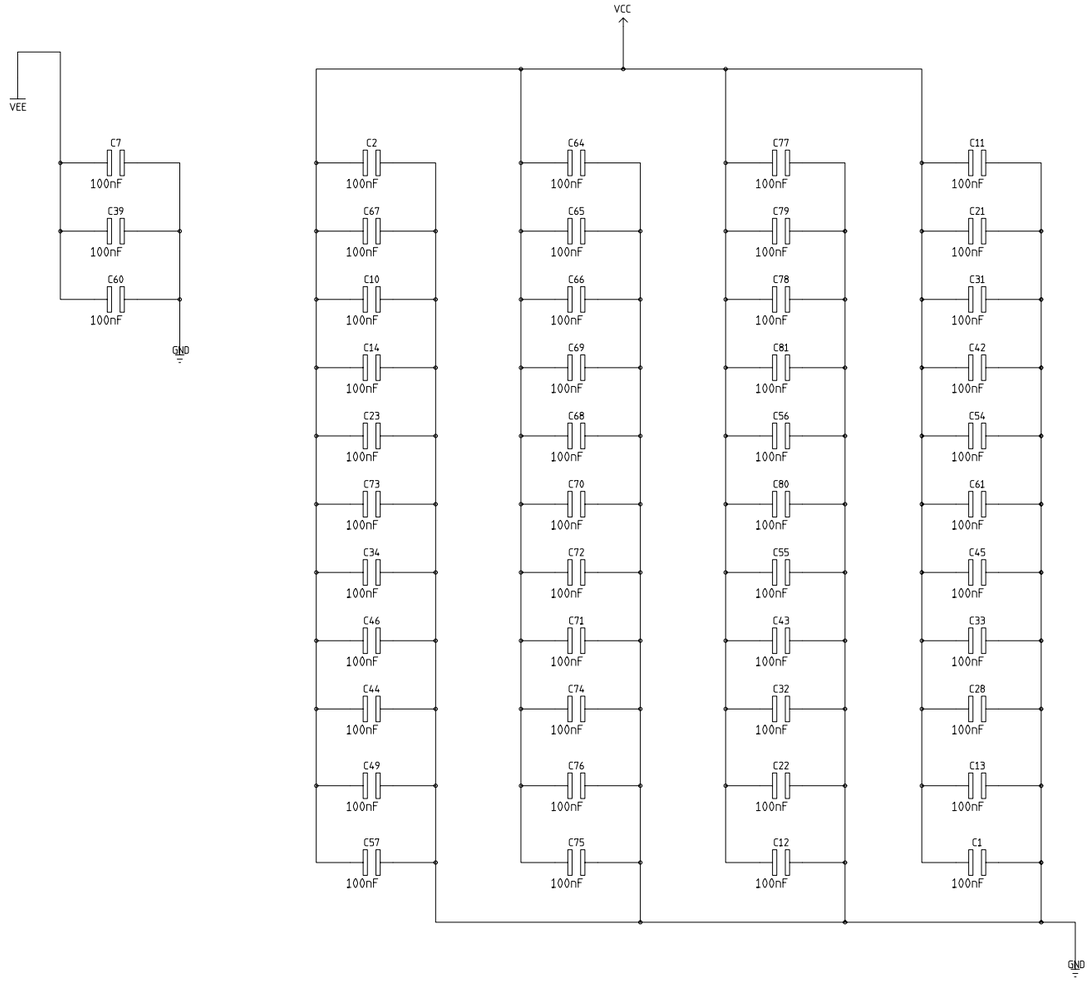
RS-422A IF Board

IF-656 (1/8)

BOARD NO. 1-668-560-12

HDS-7000

IF-656 (2/8)



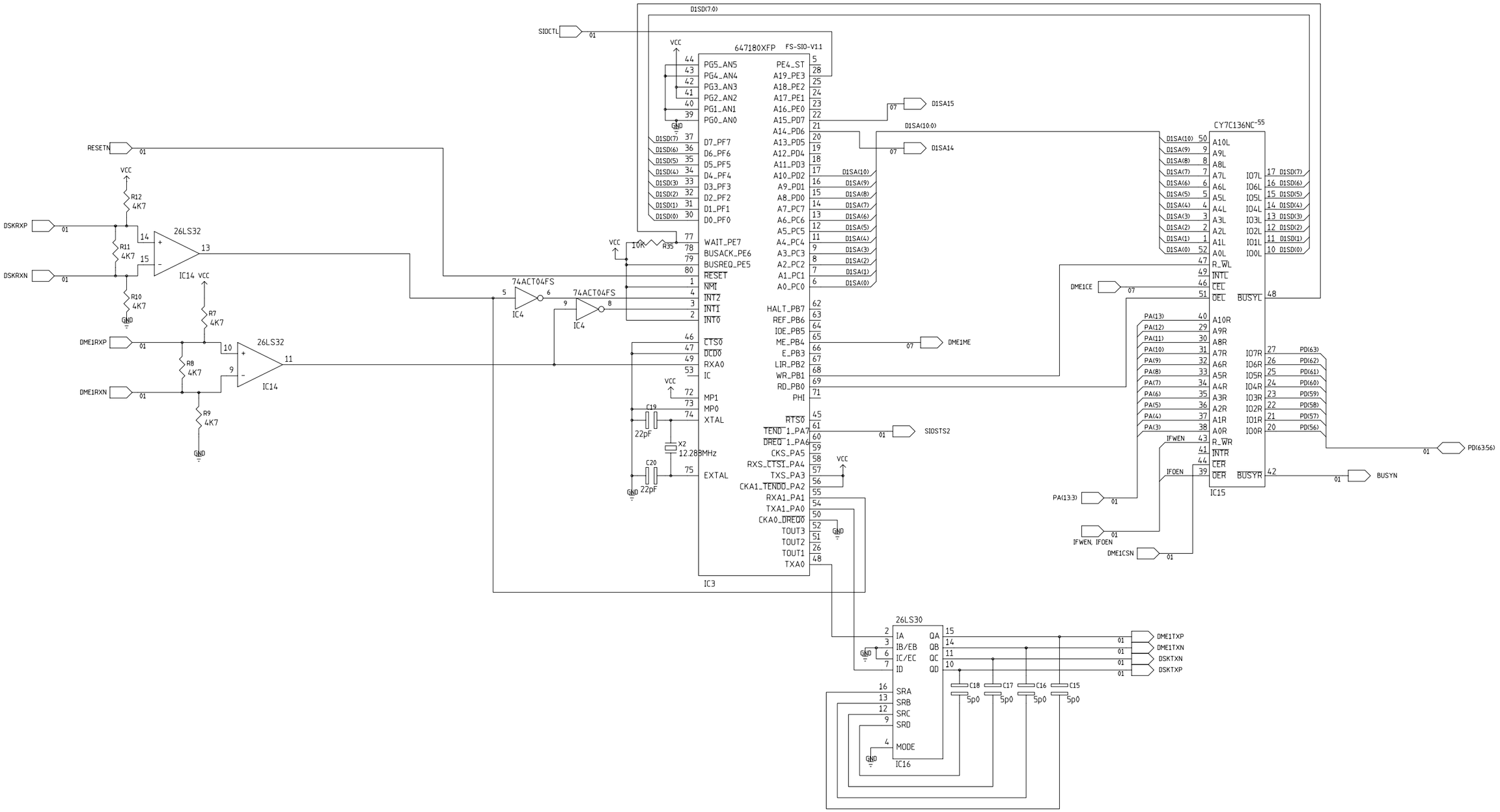
2 Decoupling Capacitors per uController and RAM, 1 per other IC.

RS-422A IF Board
IF-656 (2/8)
BOARD NO. 1-668-560-12

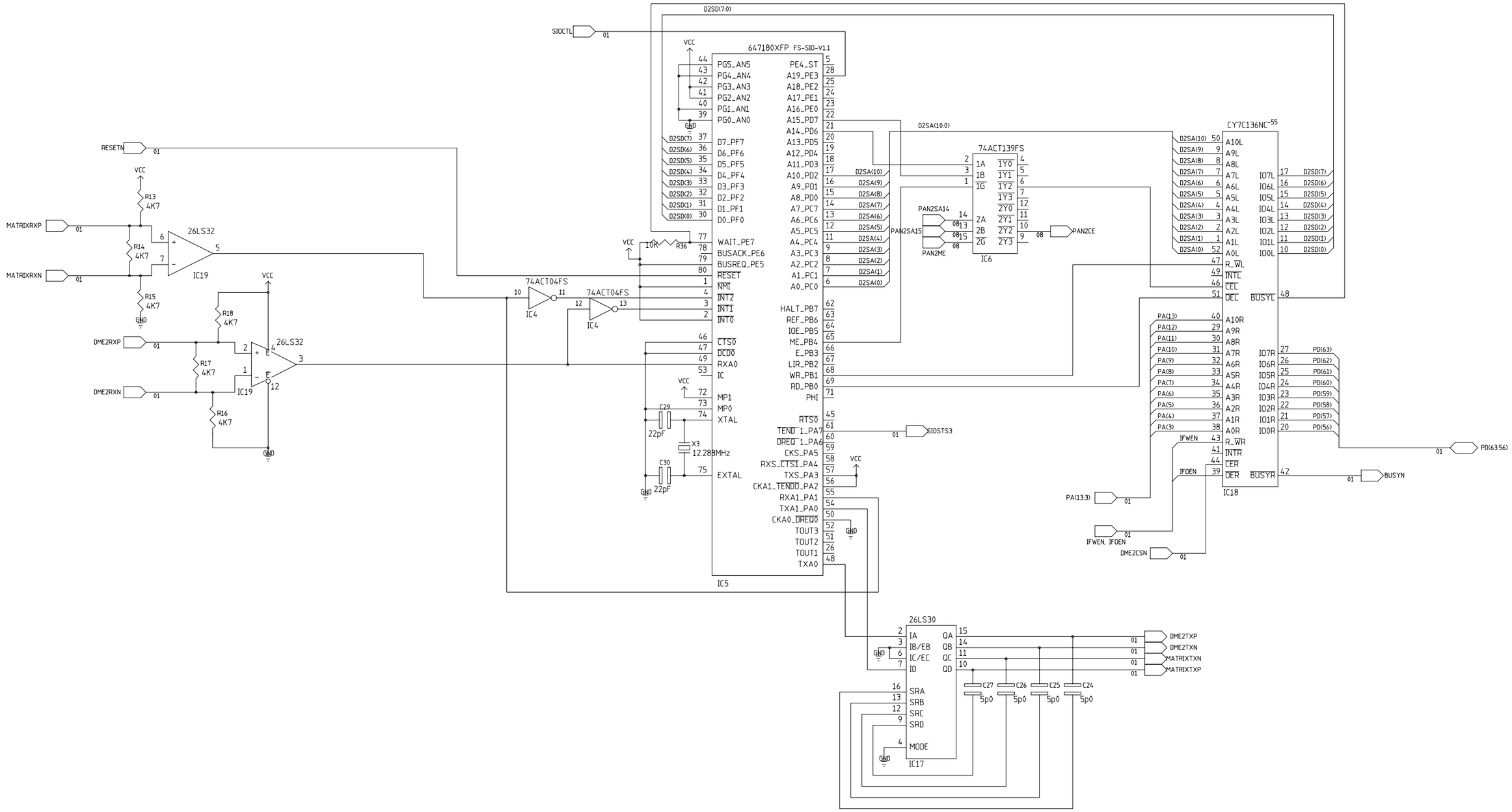
HDS-7000

162
HDS-7000

IF-656 (3/8)



RS-422A IF Board
IF-656 (3/8)
BOARD NO. 1-668-560-12

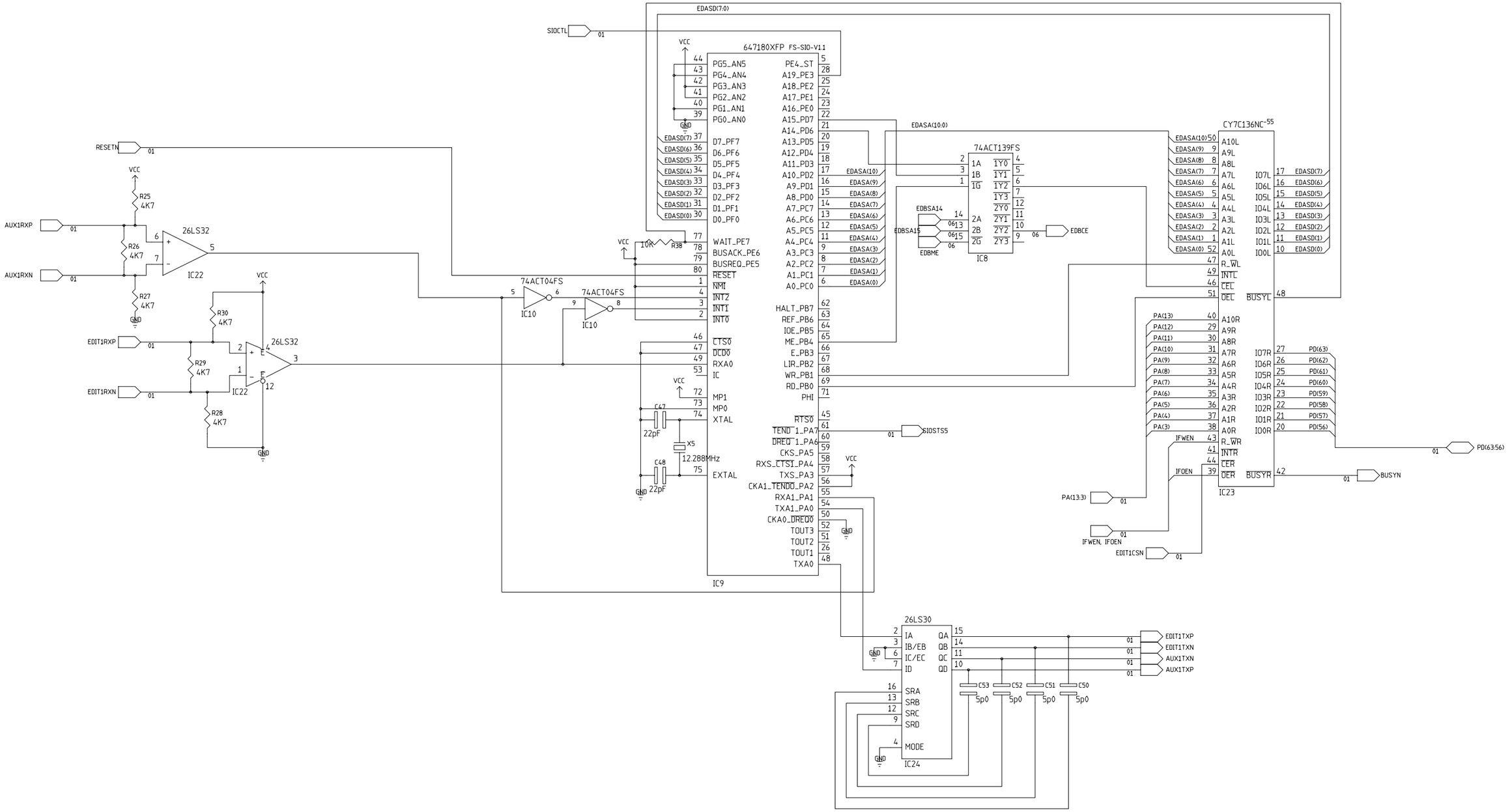


RS-422A IF Board

IF-656 (4/8)

BOARD NO. 1-668-560-12

HDS-7000

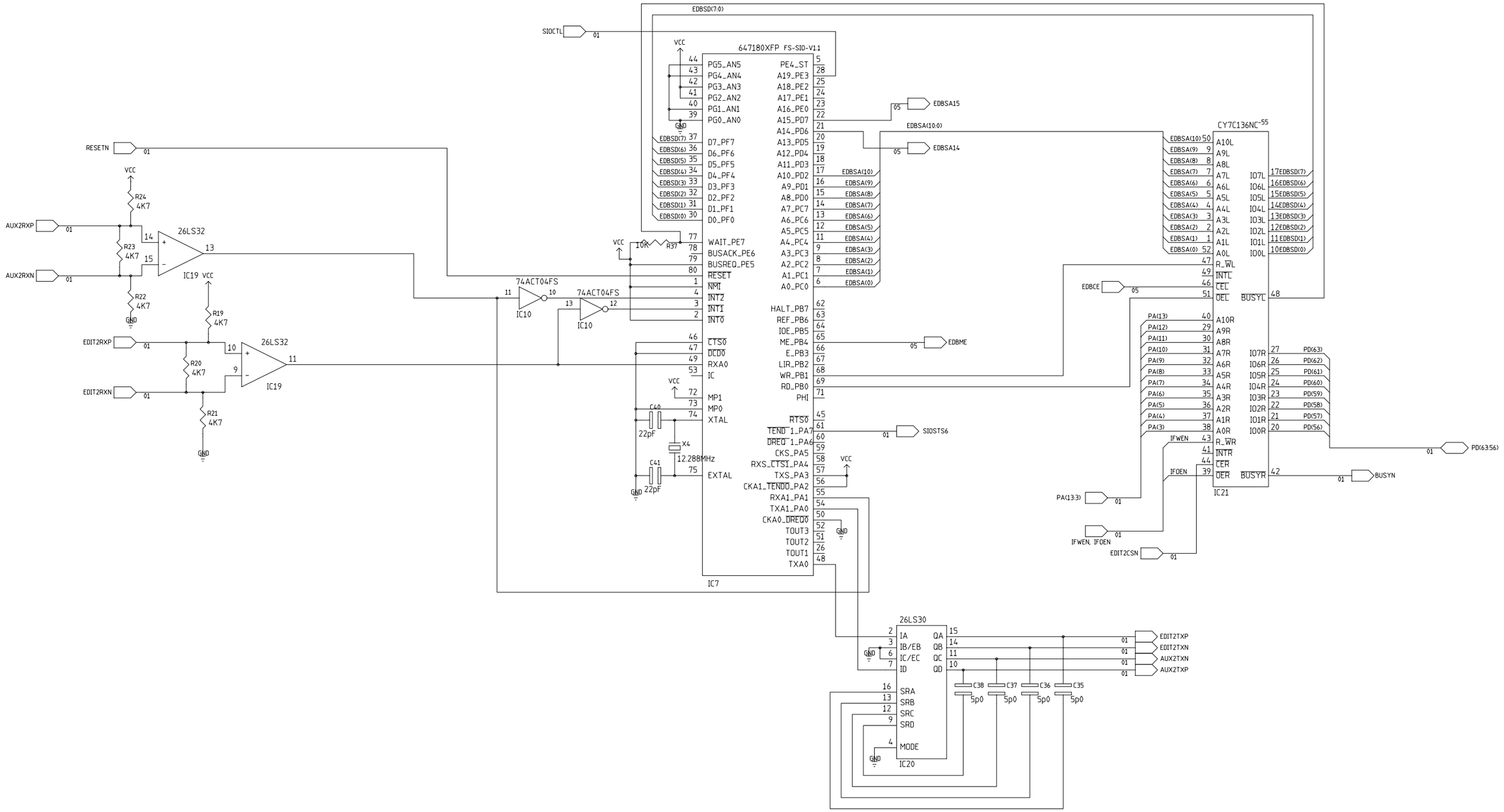


RS-422A IF Board

IF-656 (5/8)

BOARD NO. 1-668-560-12

IF-656 (6/8)

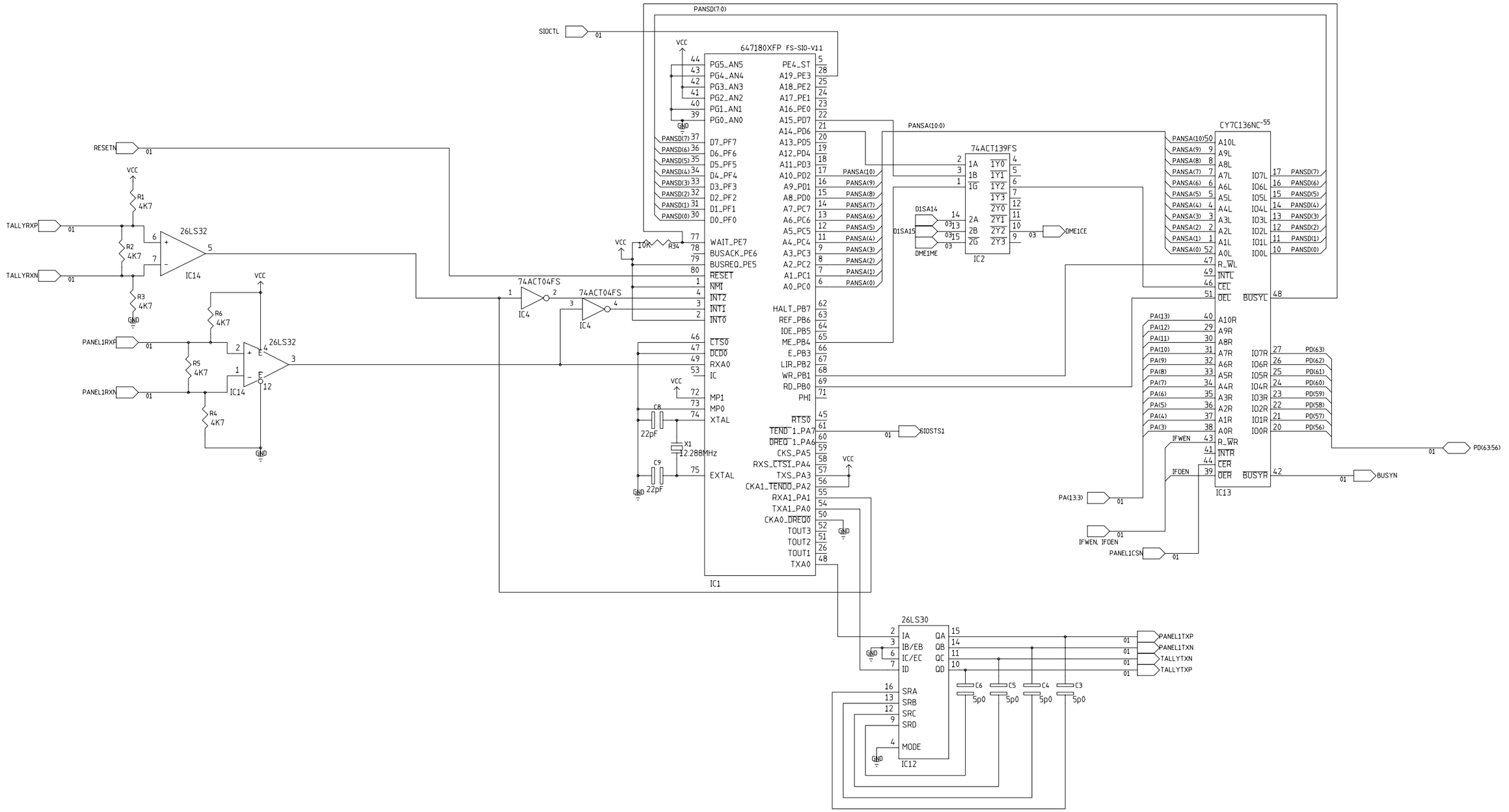


RS-422A IF Board
IF-656 (6/8)
BOARD NO. 1-668-560-12

HDS-7000

166

HDS-7000

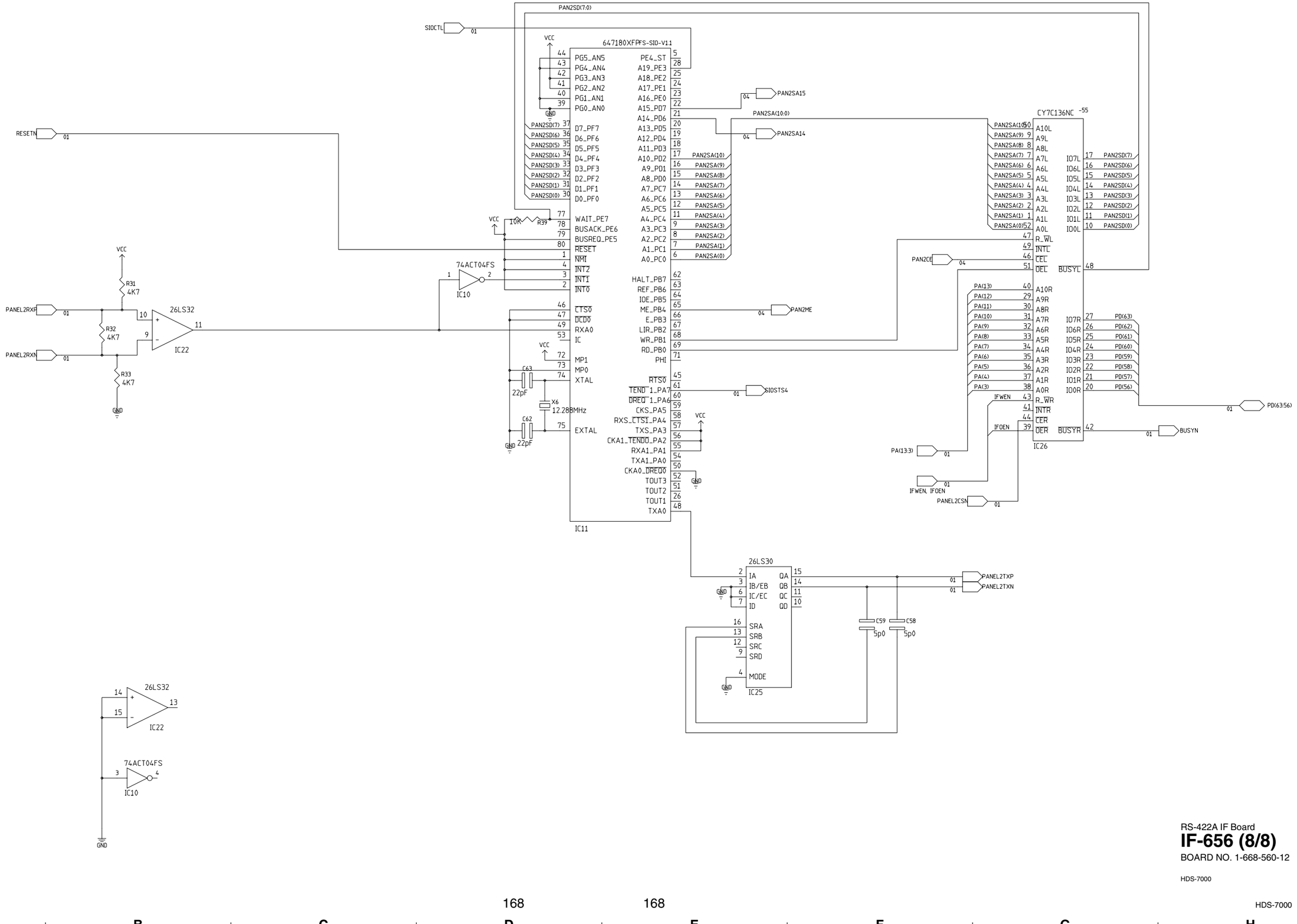


RS-422A IF Board
IF-656 (7/8)
BOARD NO. 1-668-560-12

HDS-7000

HDS-7000

IF-656 (8/8)



RS-422A IF Board

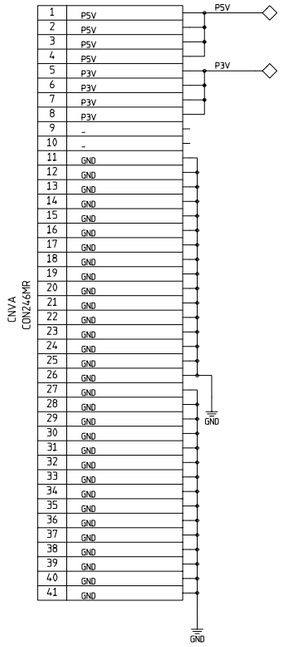
IF-656 (8/8)

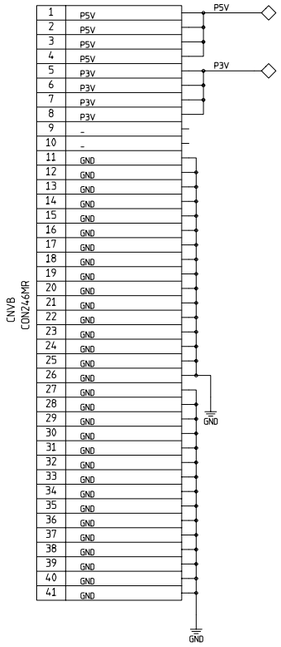
BOARD NO. 1-668-560-12

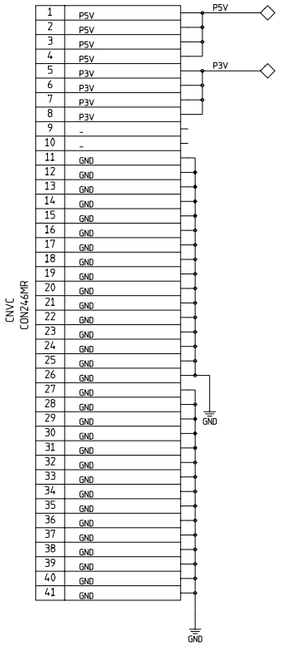
HDS-7000

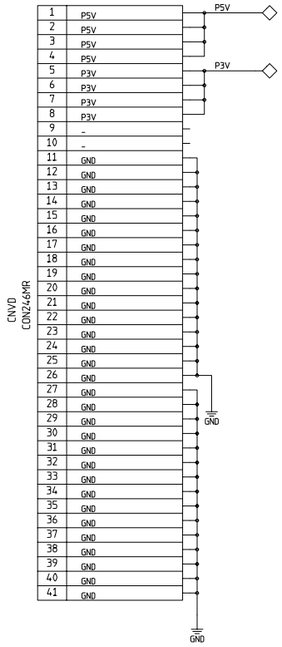
168

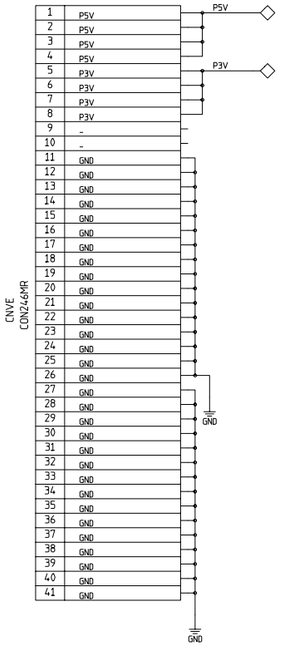
HDS-7000

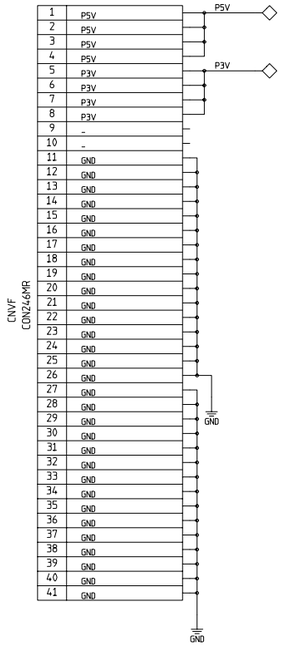


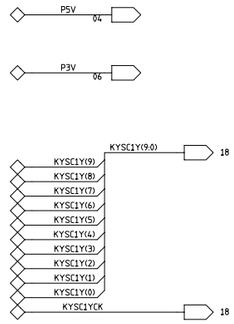


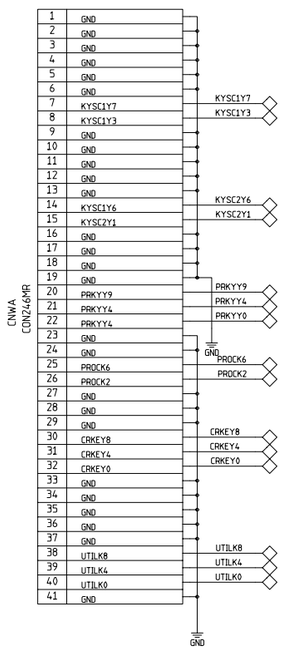


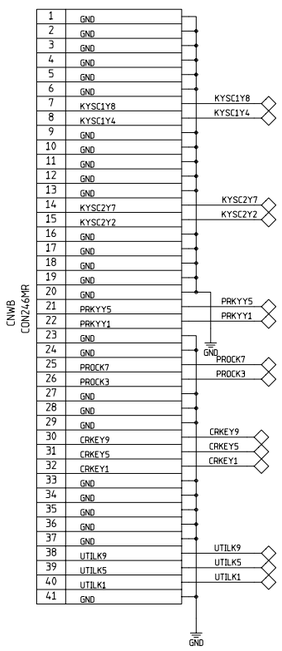


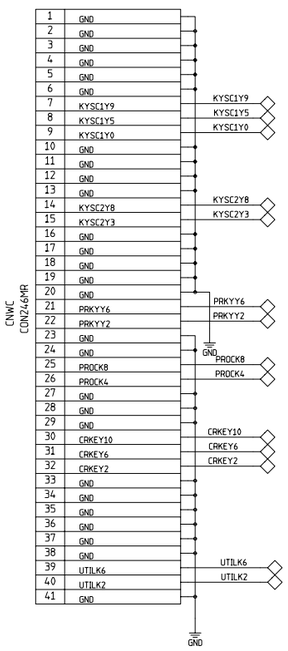


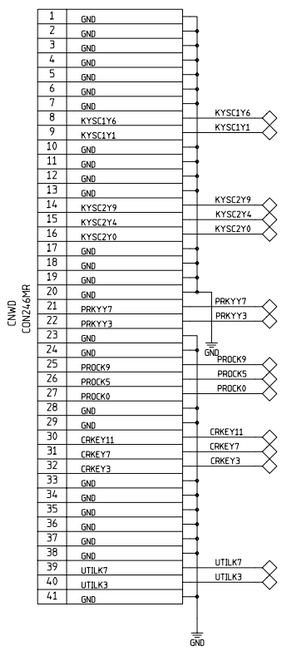


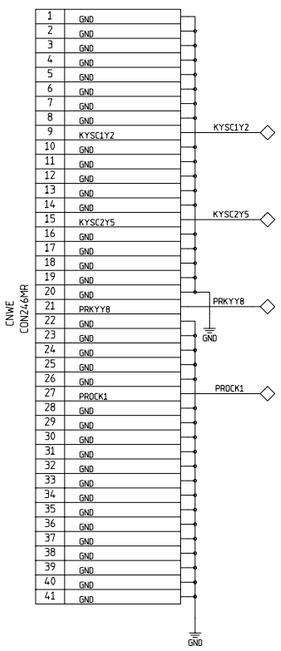


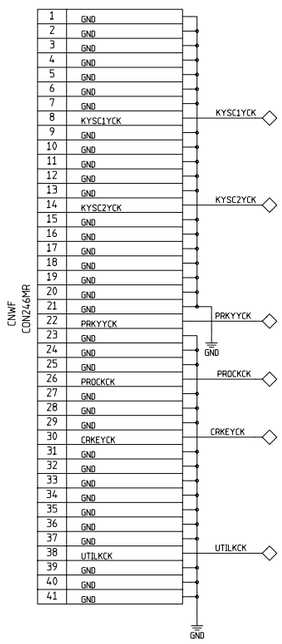


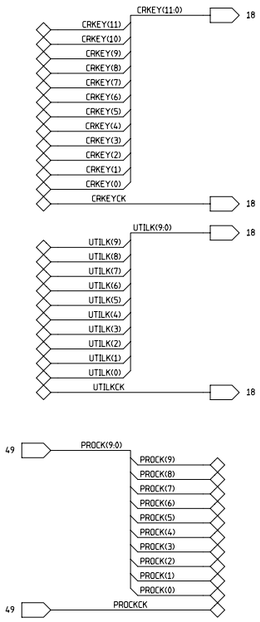








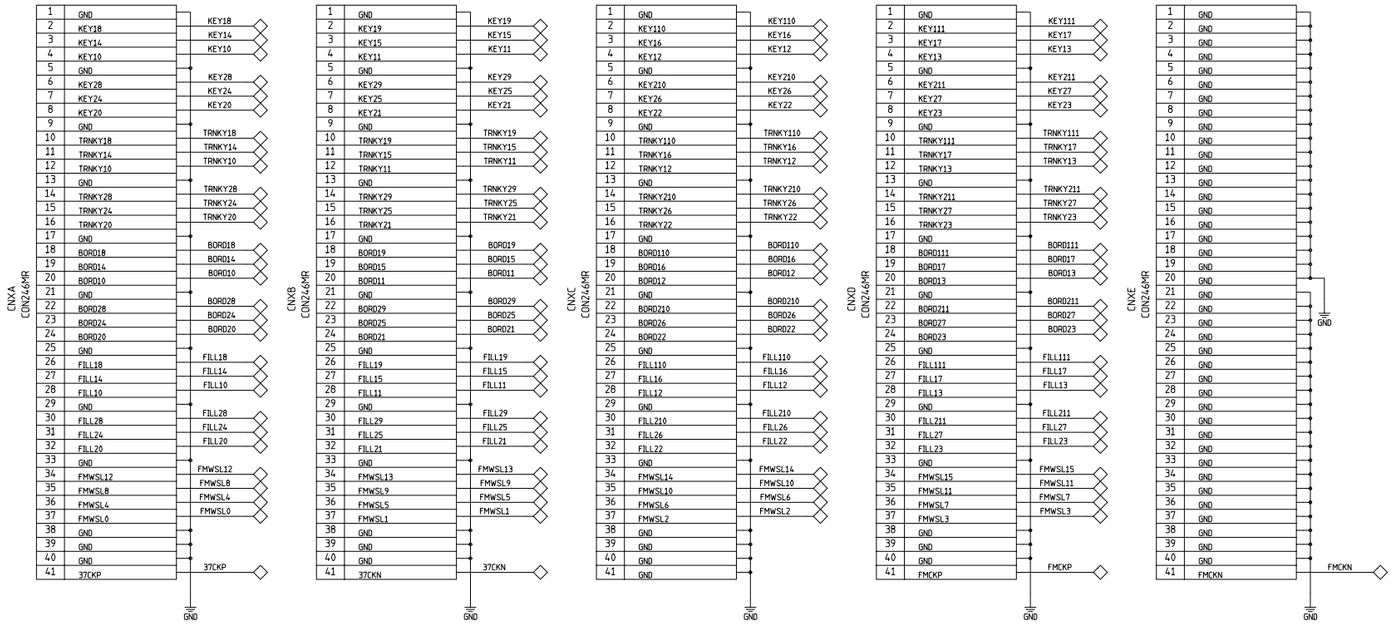


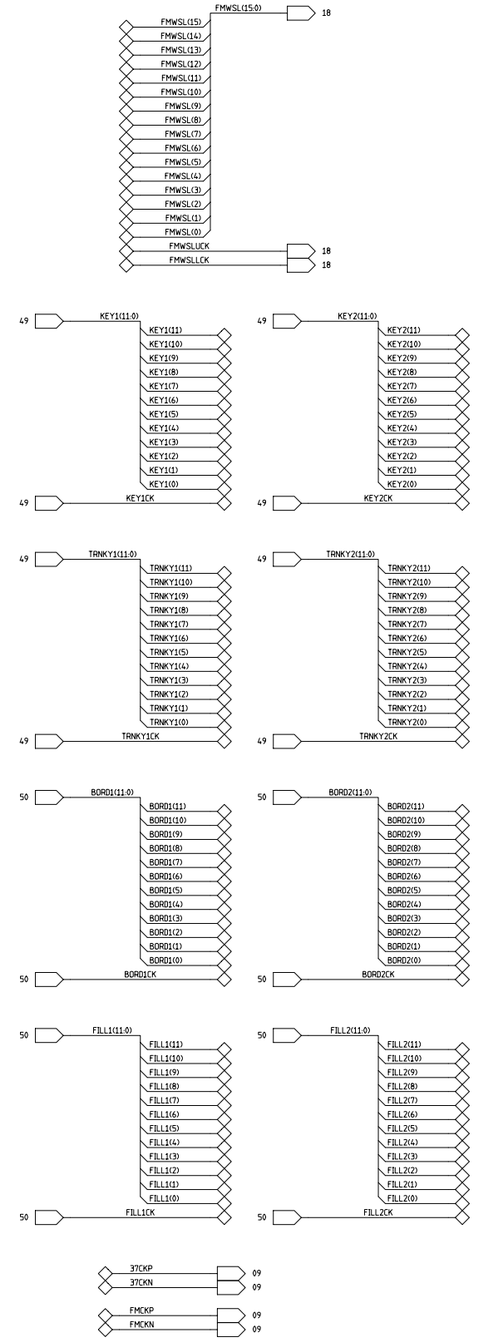


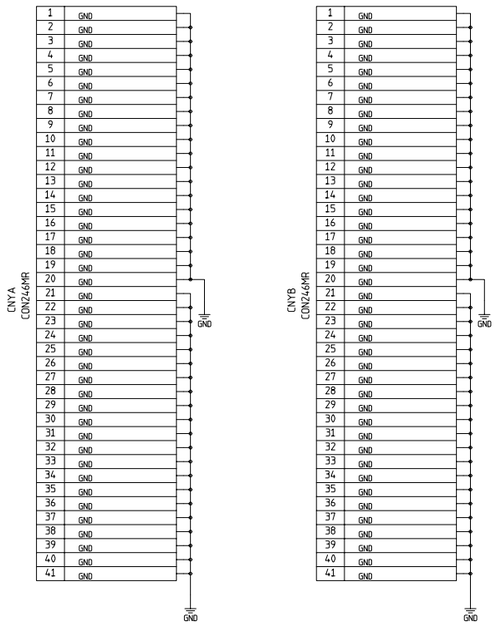
Key Processor Board
KPC-3 (1/50)
BOARD NO. 1-645-285-11

HDS-7000

KPC-3 (2/50)







Key Processor Board

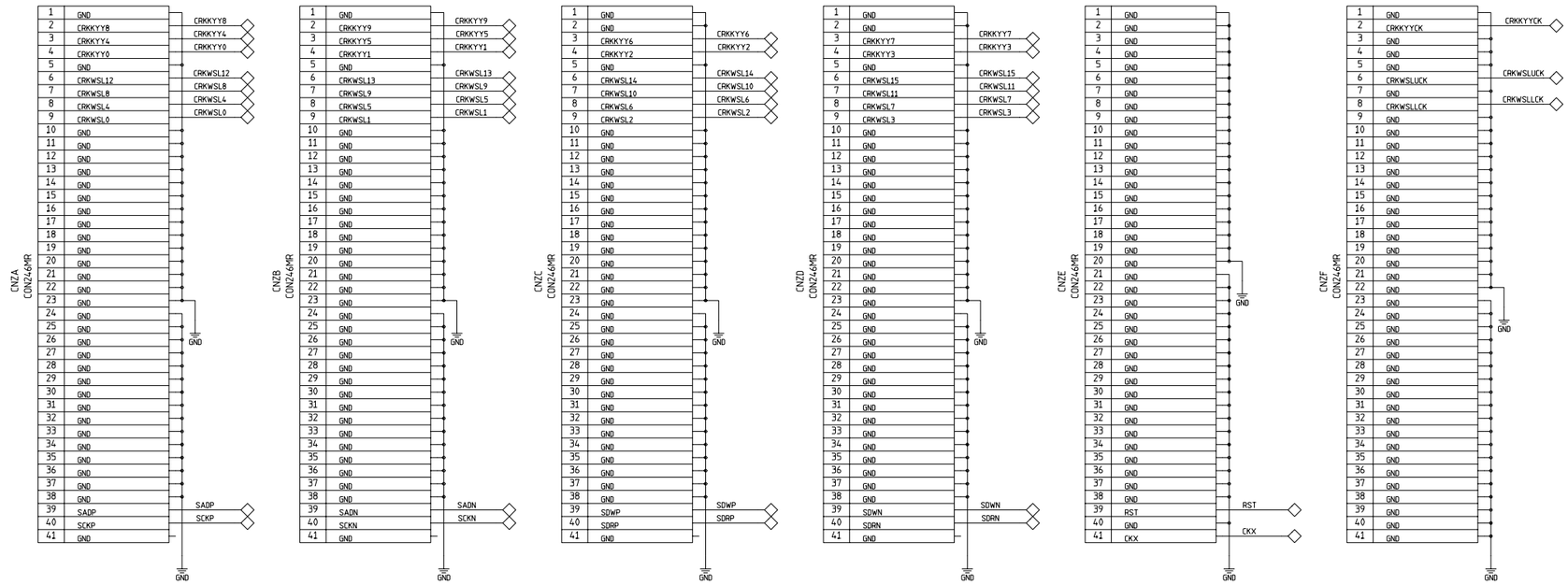
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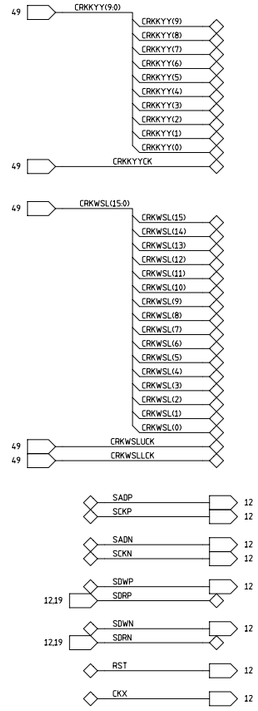
BOARD NO. 1-645-285-11

HDS-7000

170
HDS-7000

KPC-3 (3/50)

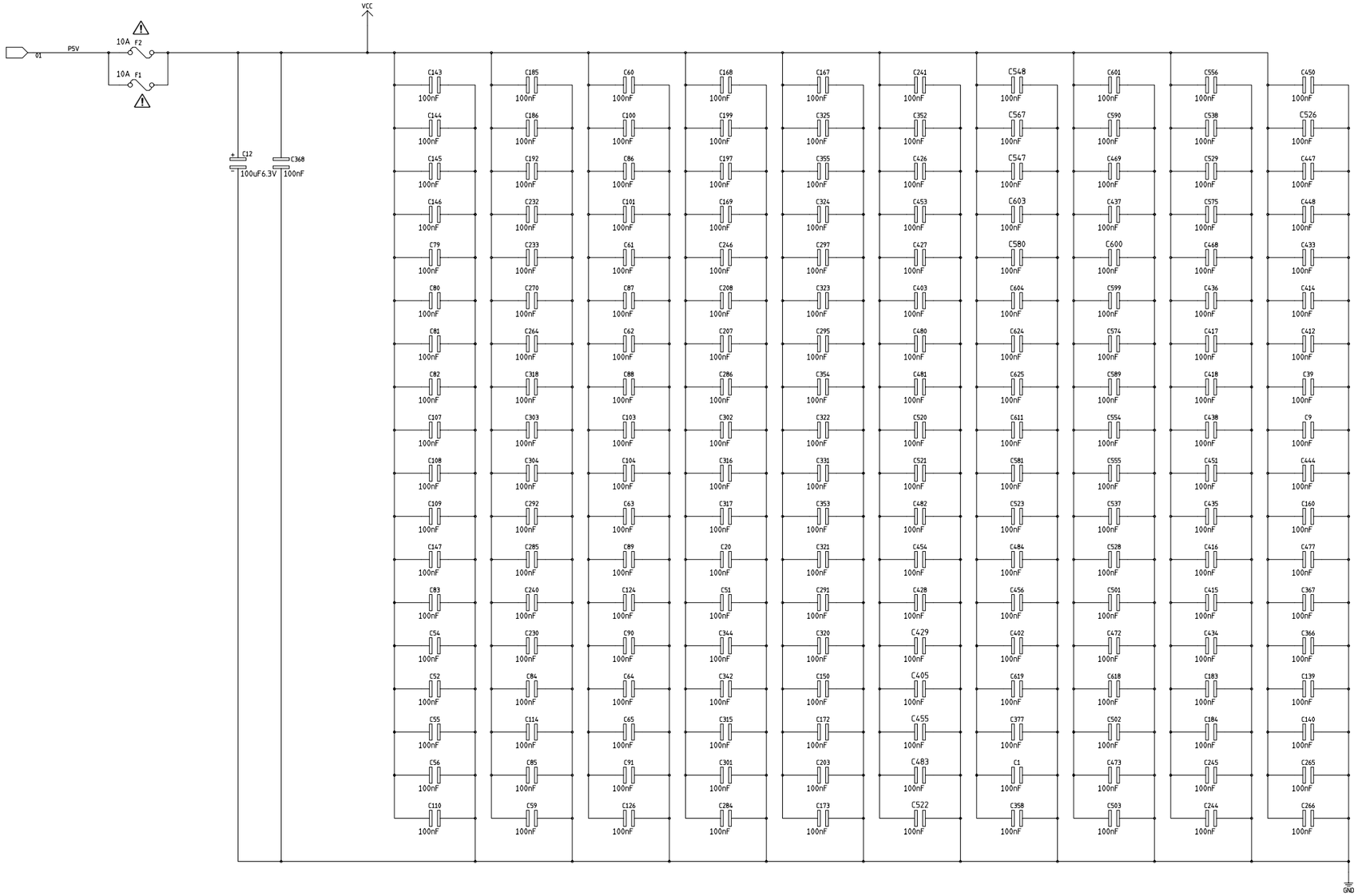


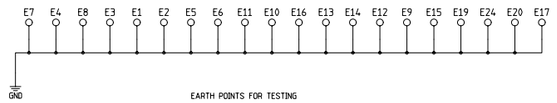


Key Processor Board
KPC-3 (3/50)
BOARD NO. 1-645-285-11

HDS-7000

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HDS-7000

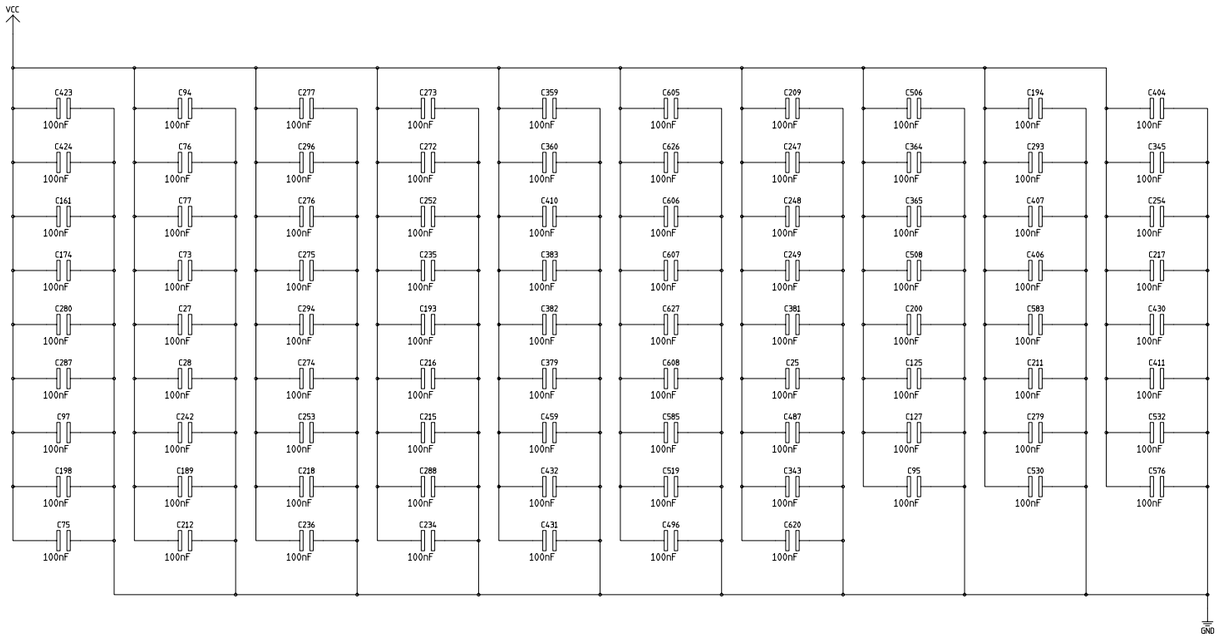




Key Processor Board
KPC-3 (4/50)
BOARD NO. 1-645-285-11

HDS-7000

KPC-3 (5/50)

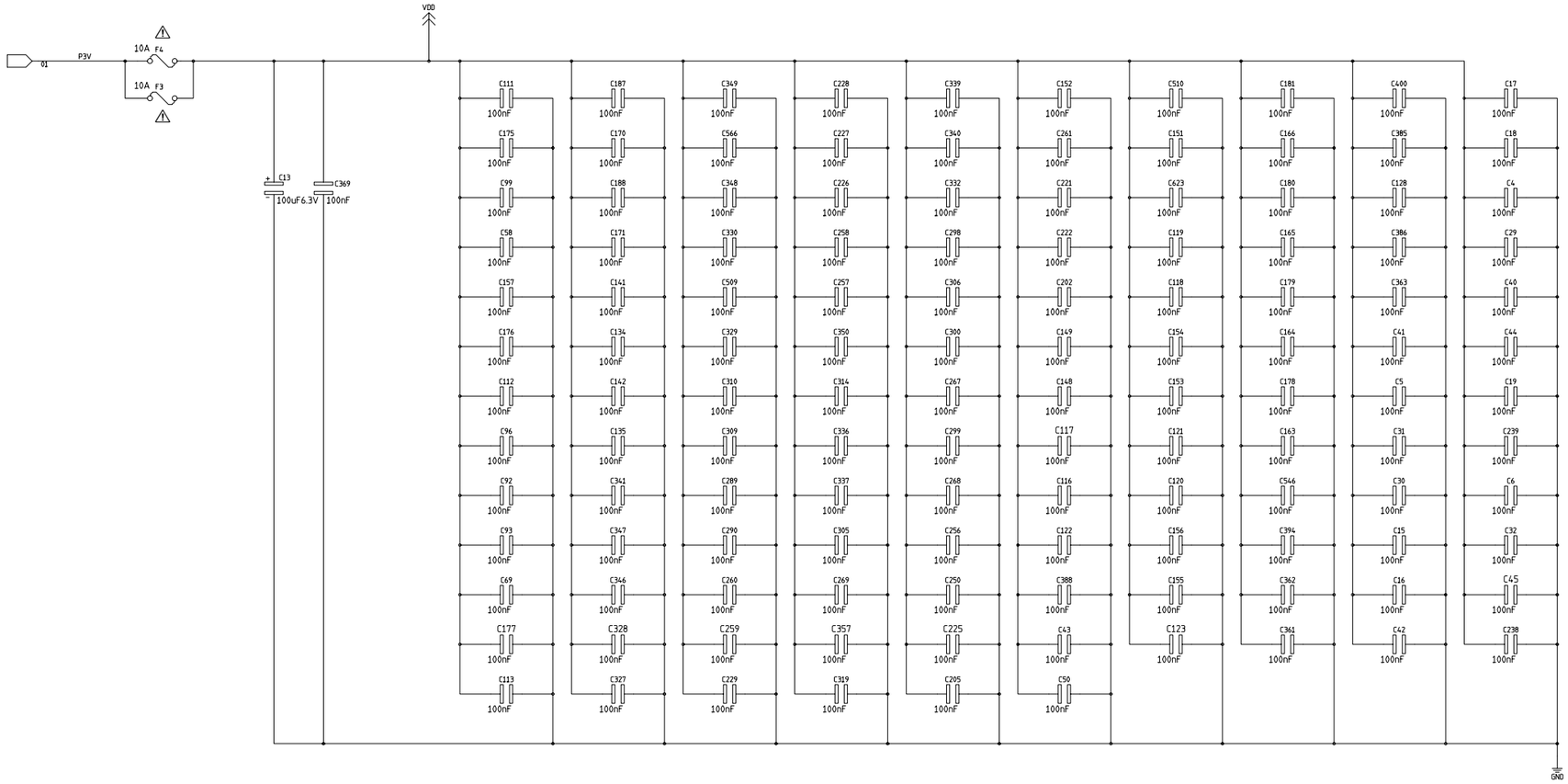


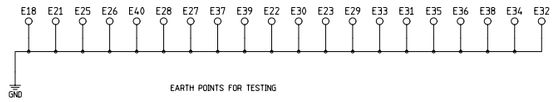
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Key Processor Board
KPC-3 (5/50)
BOARD NO. 1-645-285-11

HDS-7000

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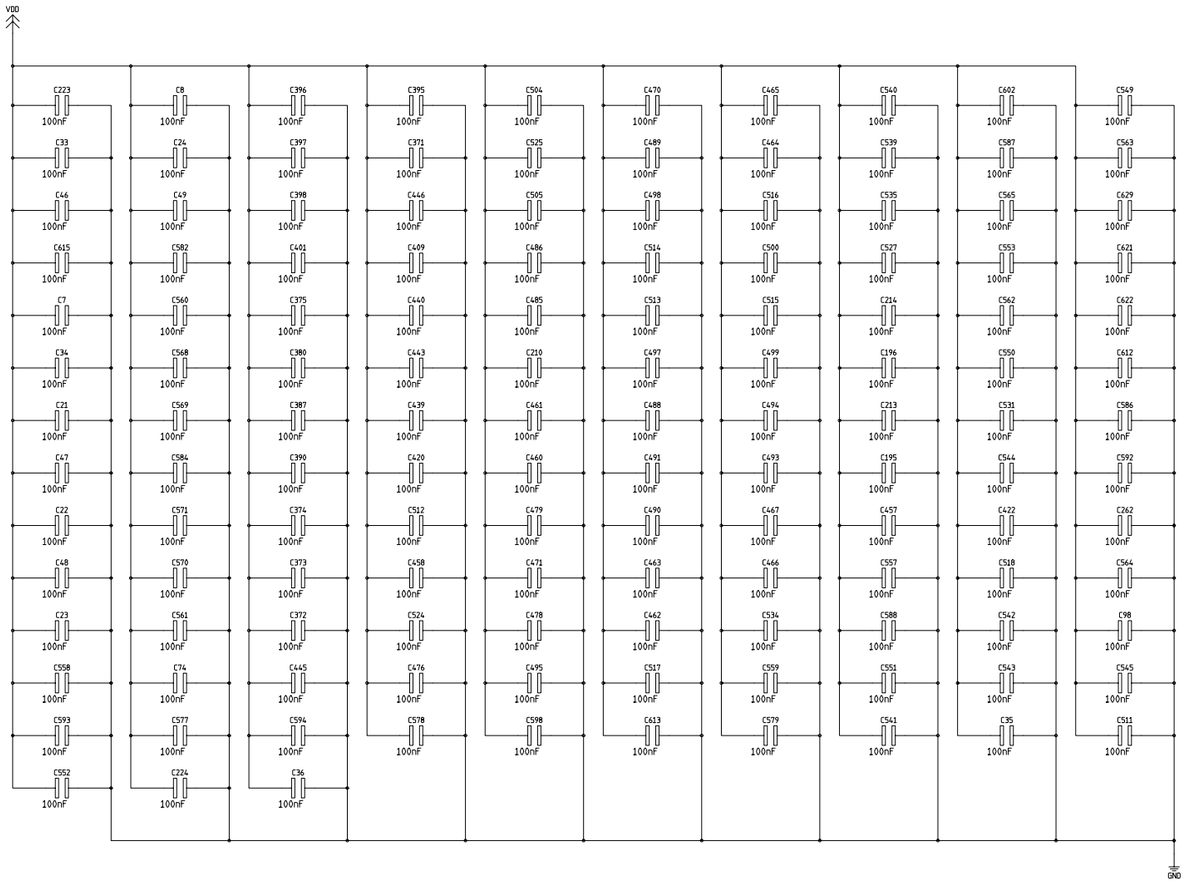




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BOARD NO. 1-645-285-11

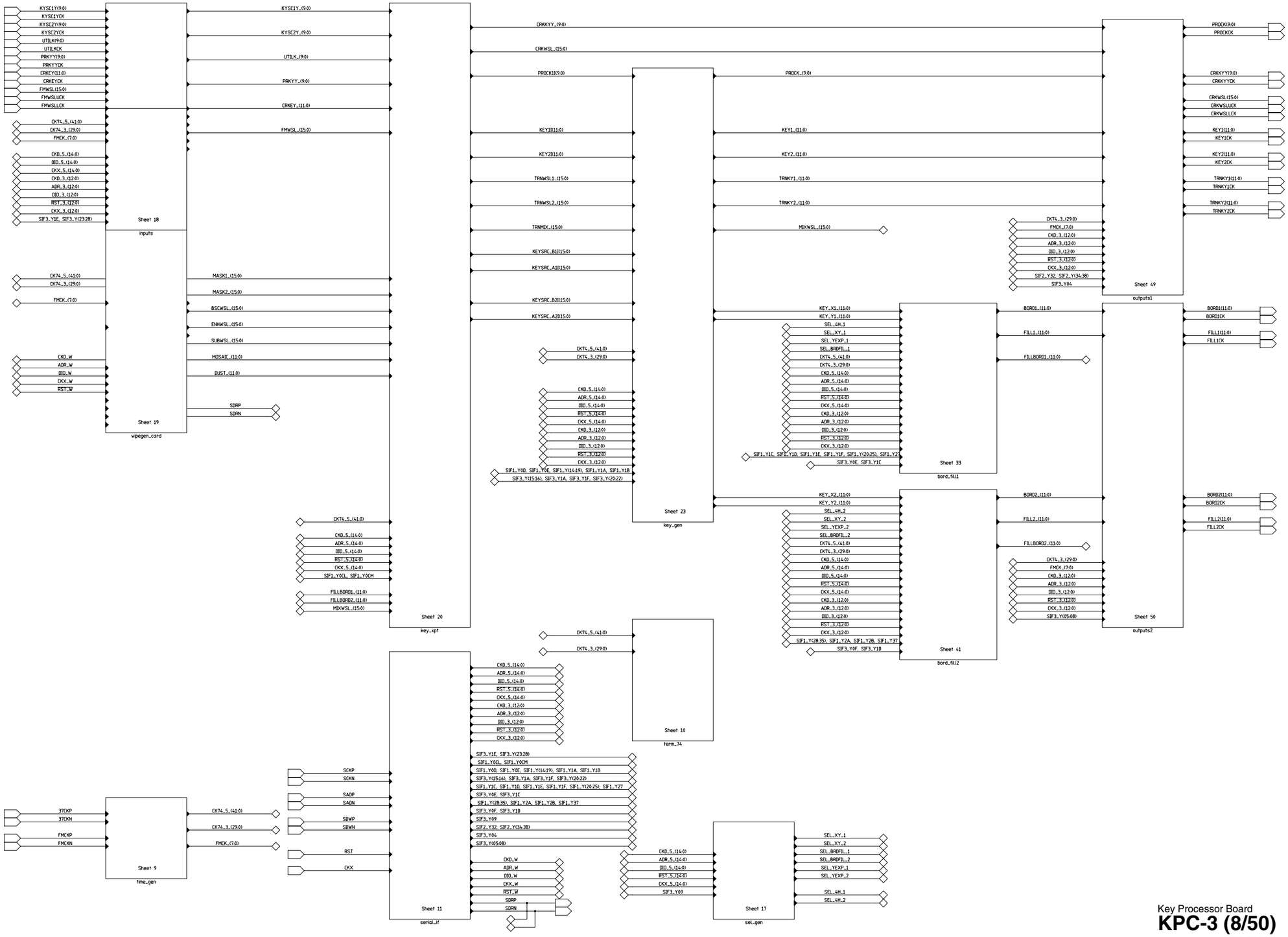
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KPC-3 (7/50)



Key Processor Board
KPC-3 (7/50)
BOARD NO. 1-645-285-11

HDS-7000

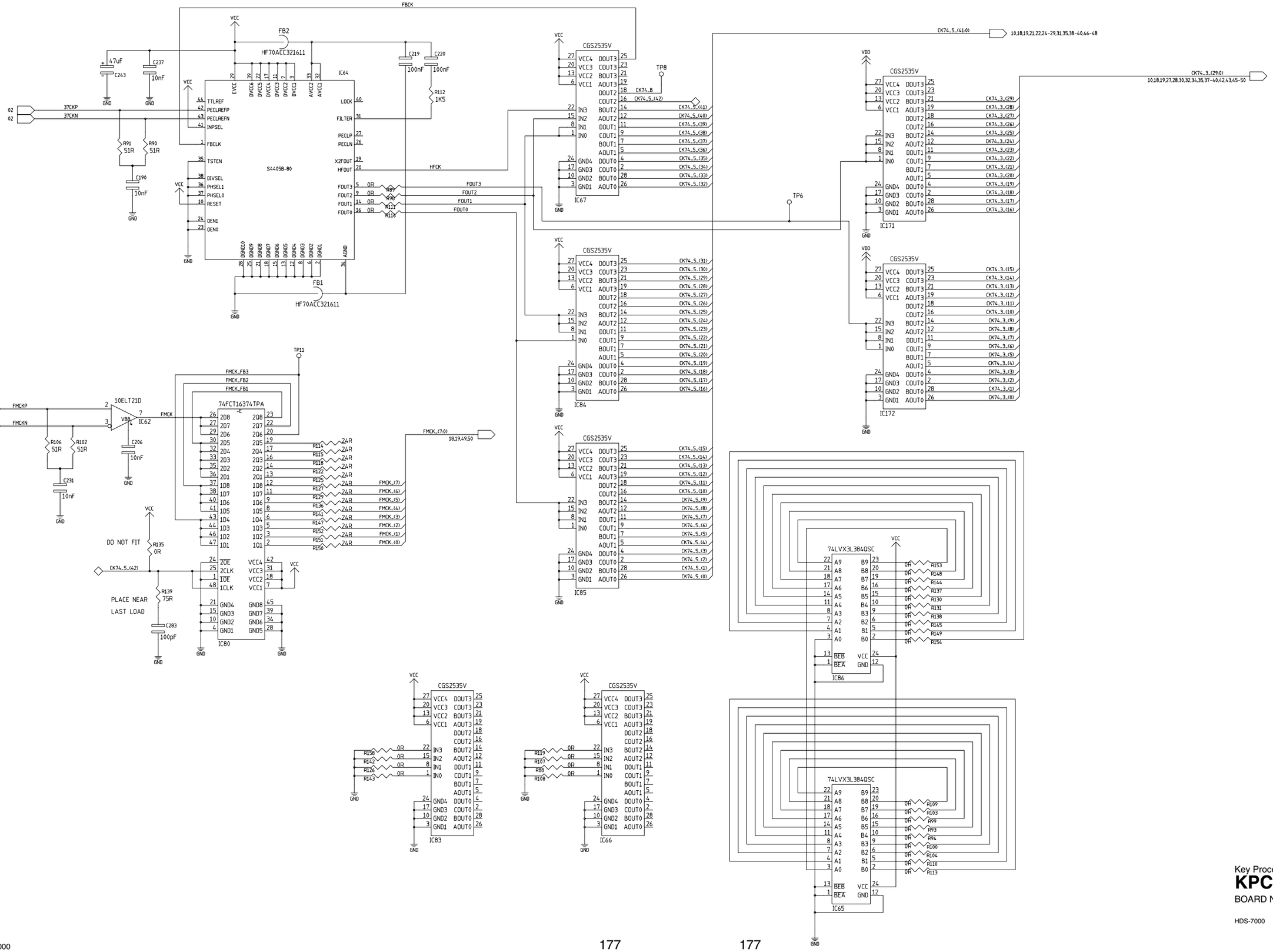


Key Processor Board

KPC-3 (8/50)

BOARD NO. 1-645-285-11

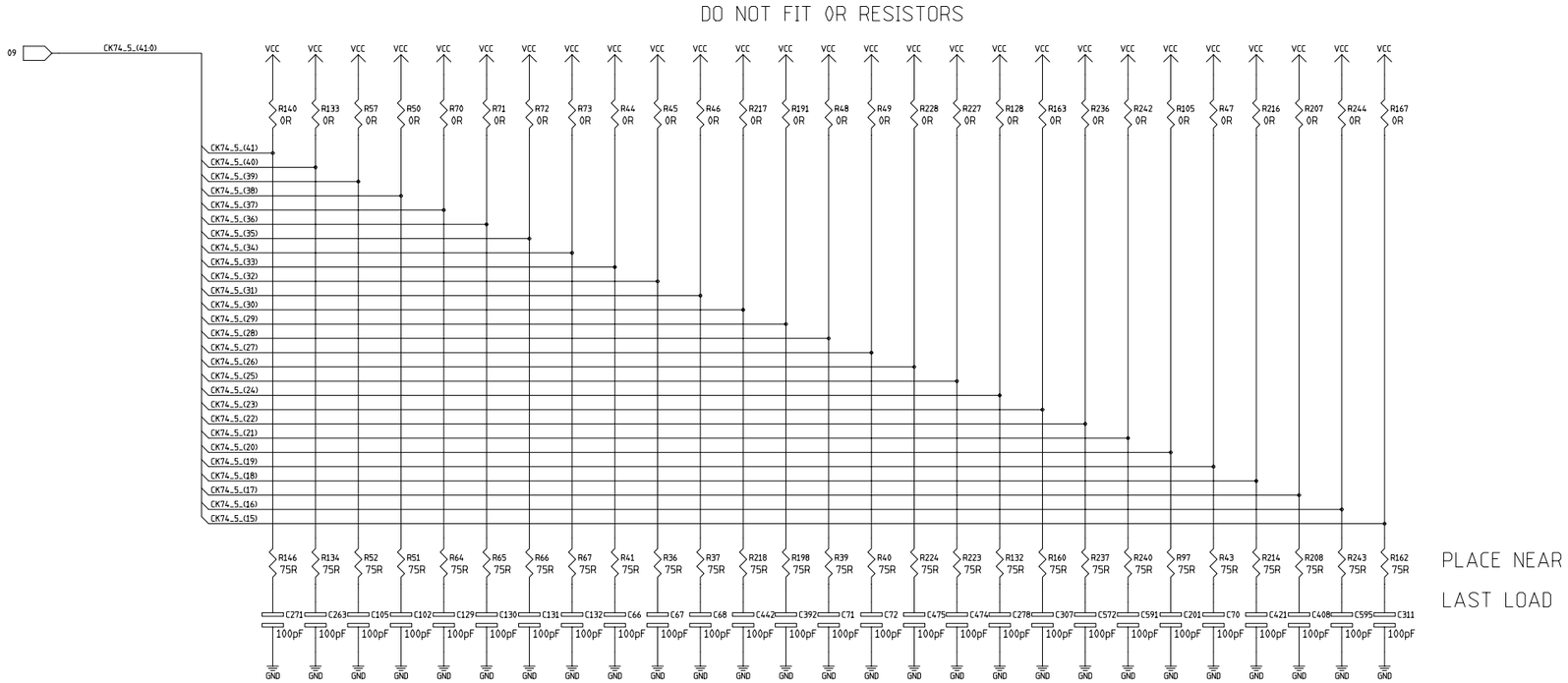
HDS-7000



Key Processor Board
KPC-3 (9/50)
BOARD NO. 1-645-285-11

HDS-7000

HDS-7000

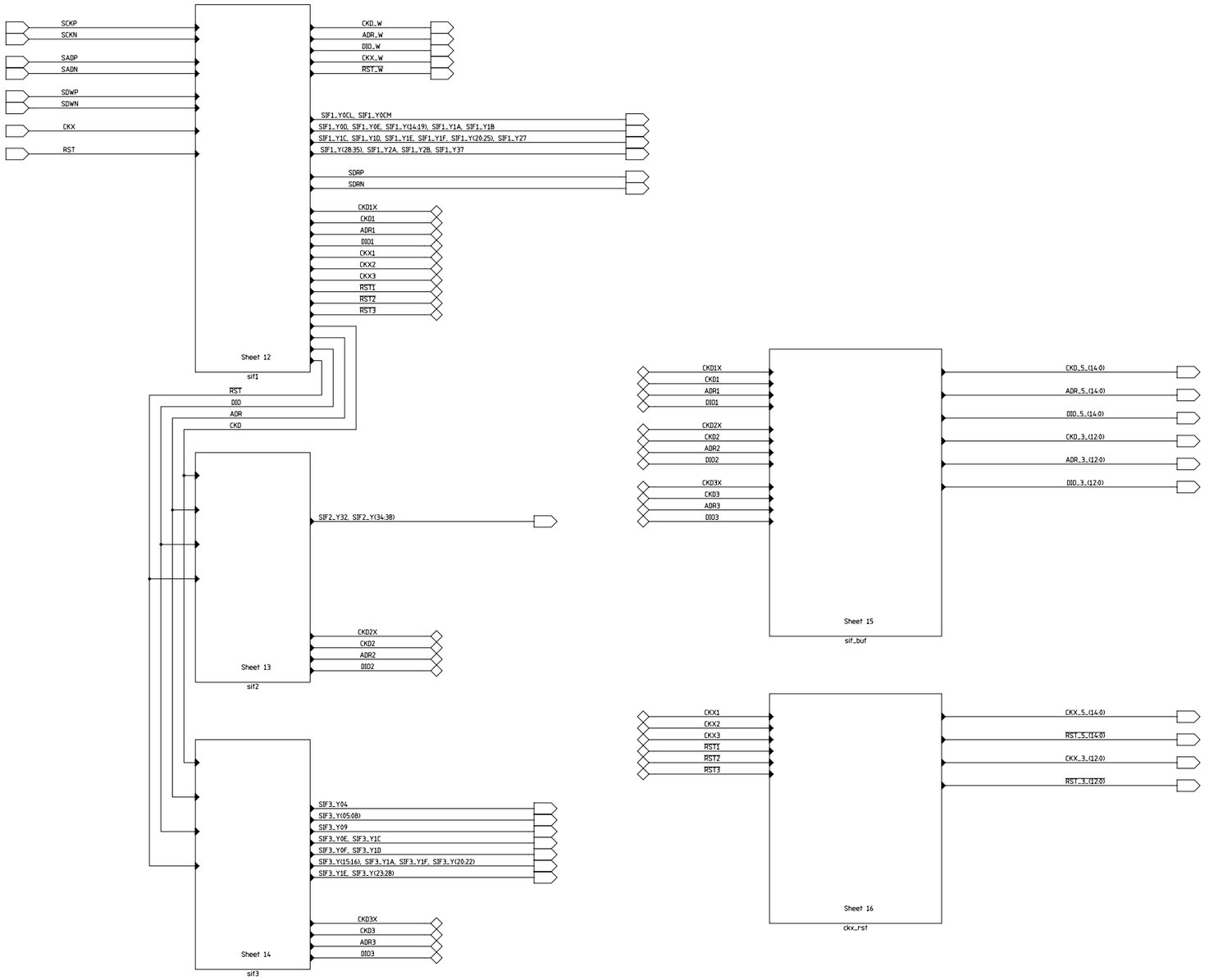


Key Processor Board

KPC-3 (10/50)

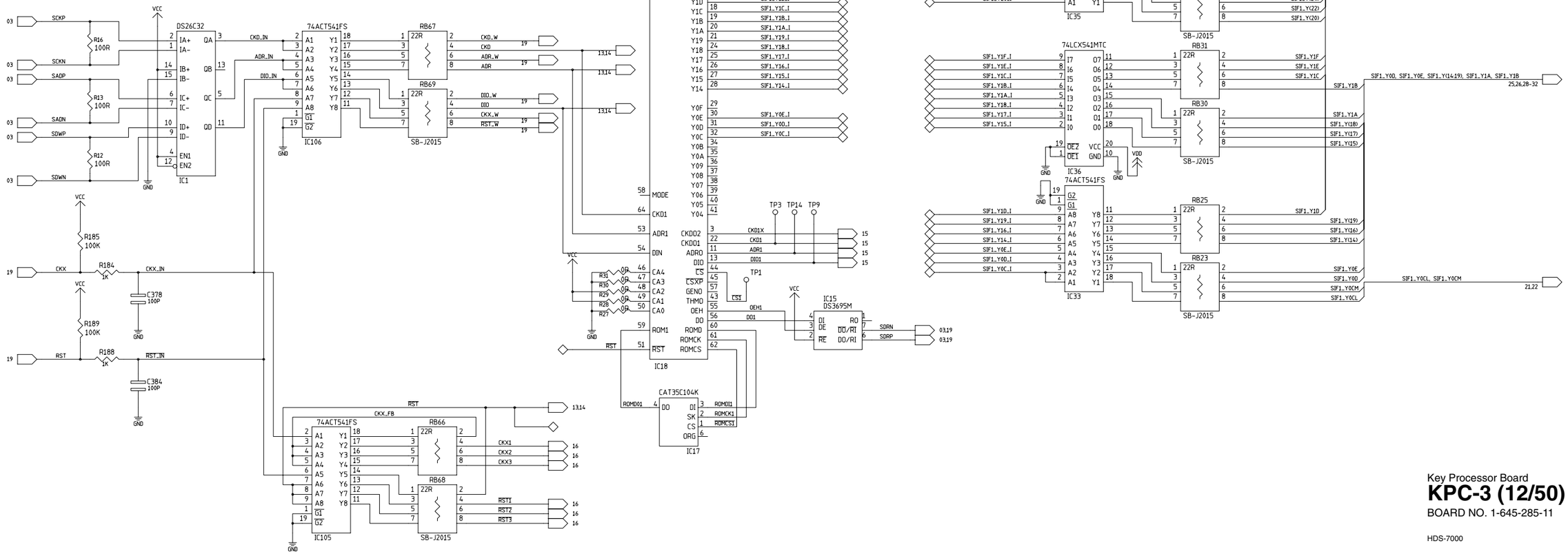
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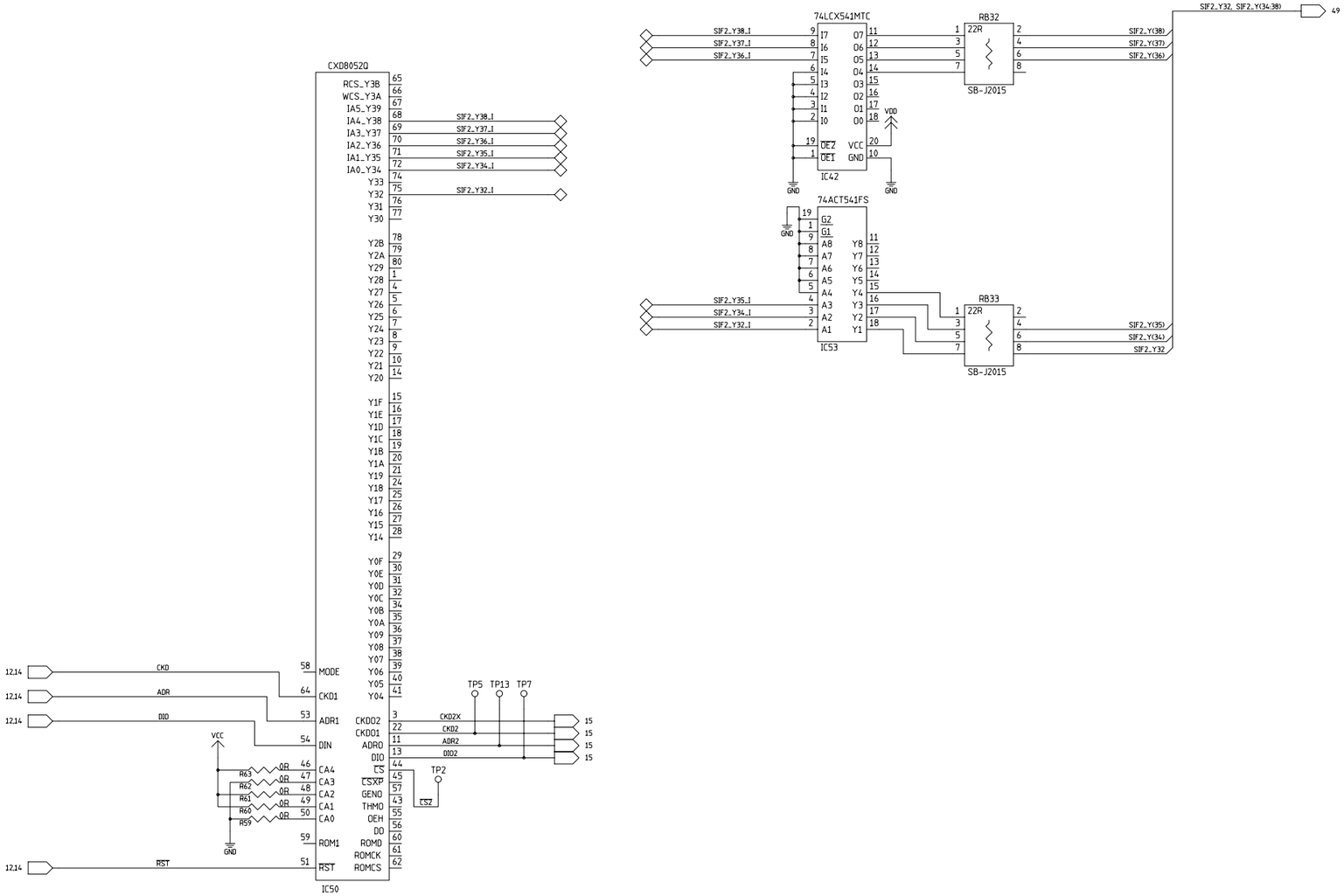
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Key Processor Board
KPC-3 (11/50)
BOARD NO. 1-645-285-11

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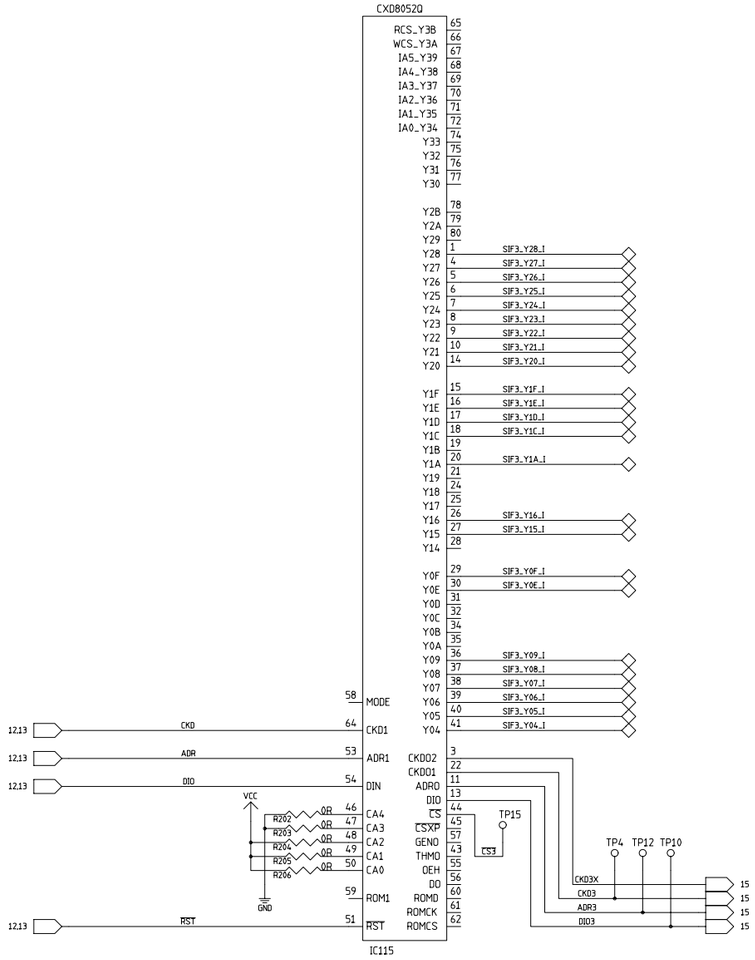

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KPC-3 (12/50)
BOARD NO. 1-645-285-11
HDS-7000

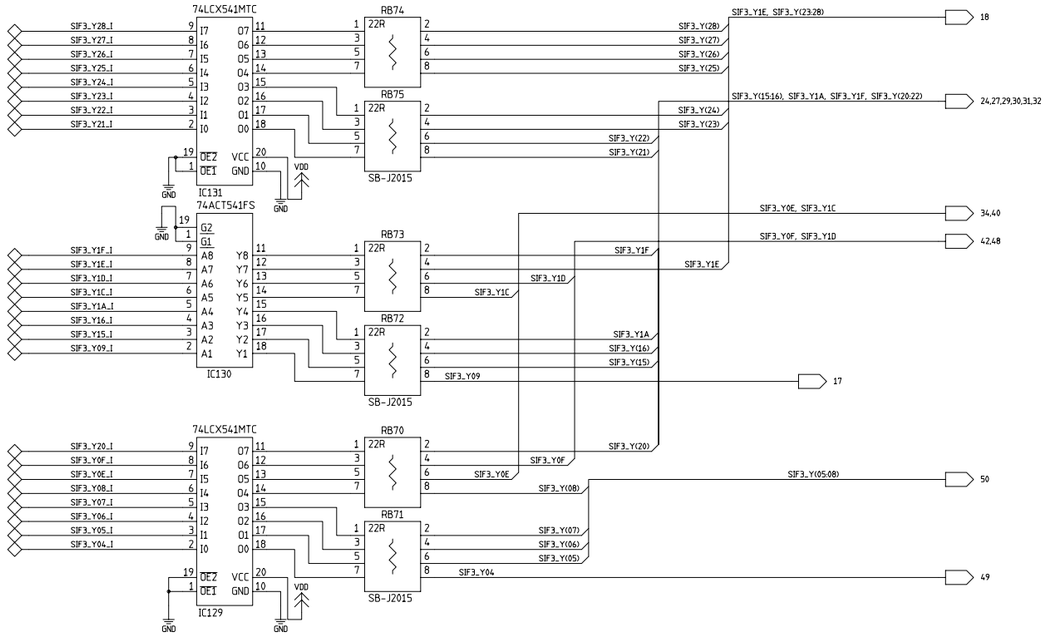


Key Processor Board
KPC-3 (13/50)
BOARD NO. 1-645-285-11

HDS-7000

KPC-3 (14/50)

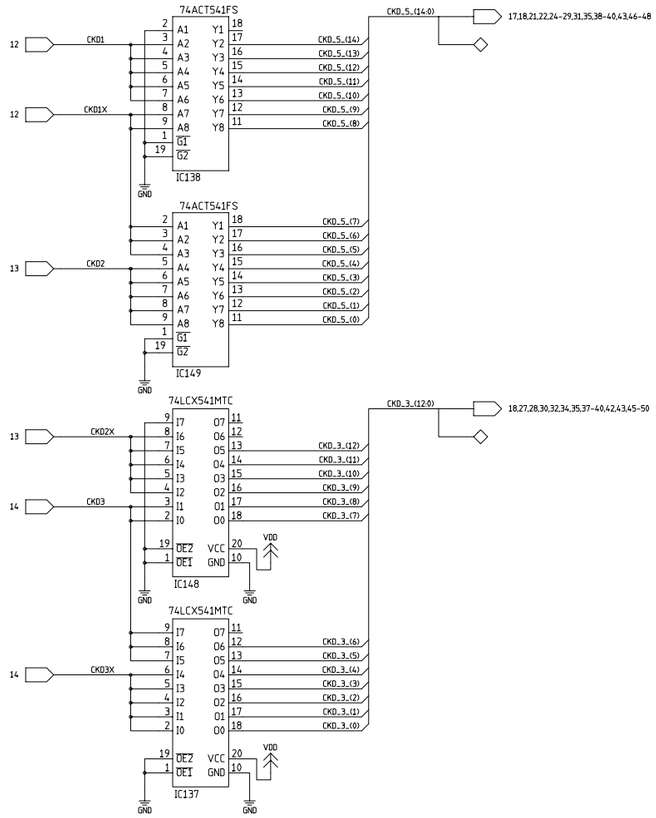


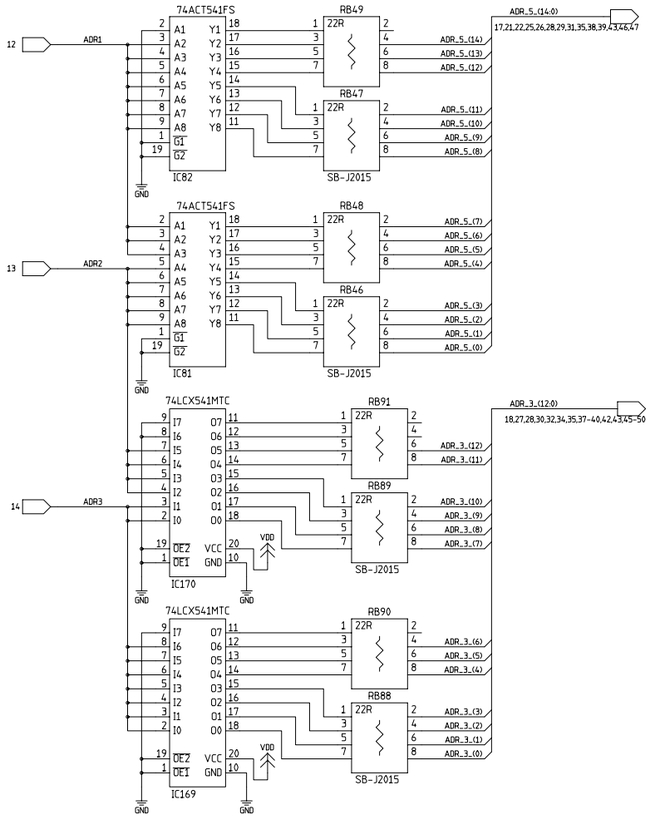


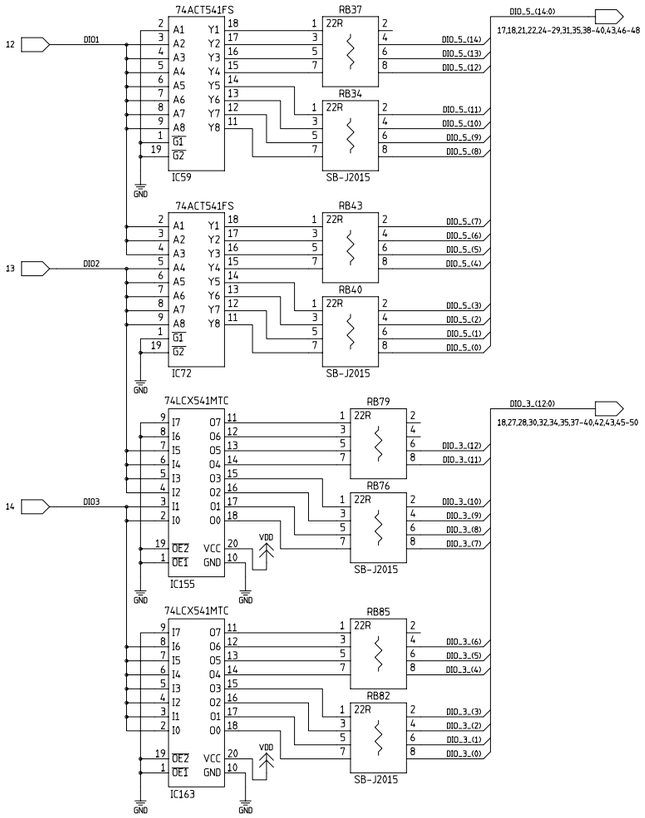
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KPC-3 (14/50)
BOARD NO. 1-645-285-11

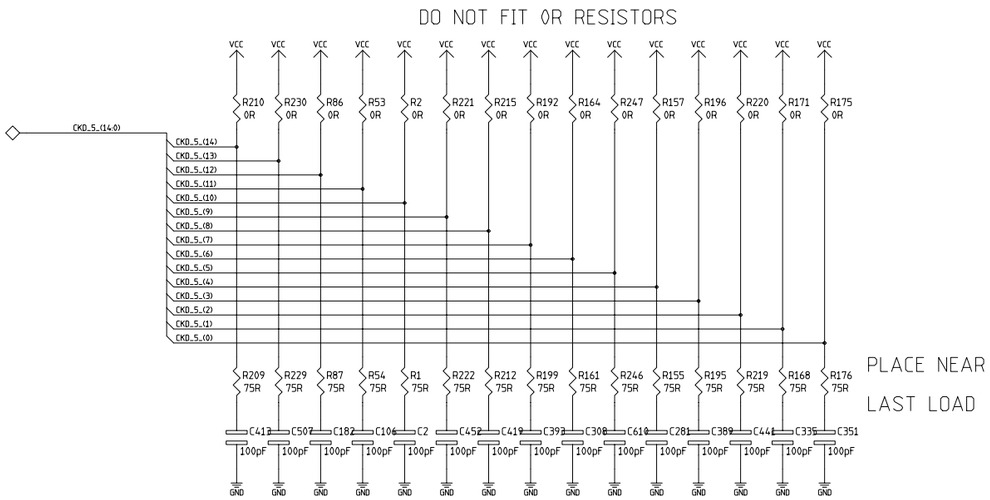
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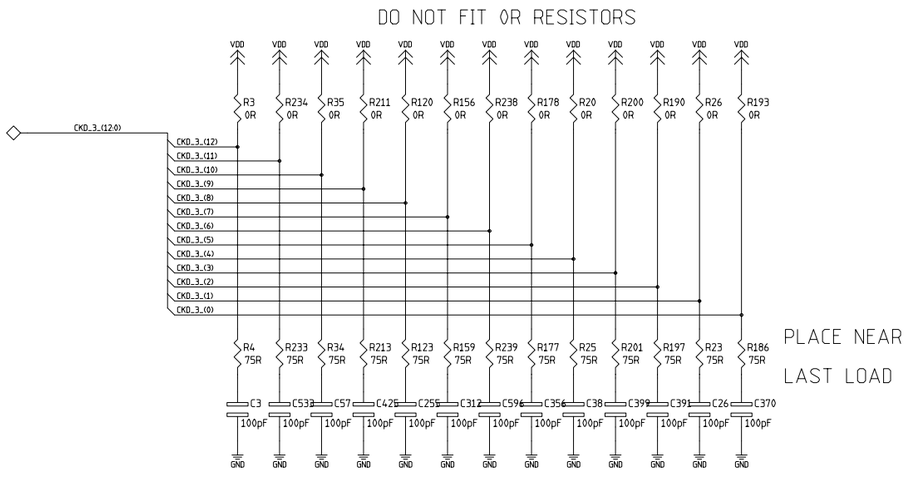
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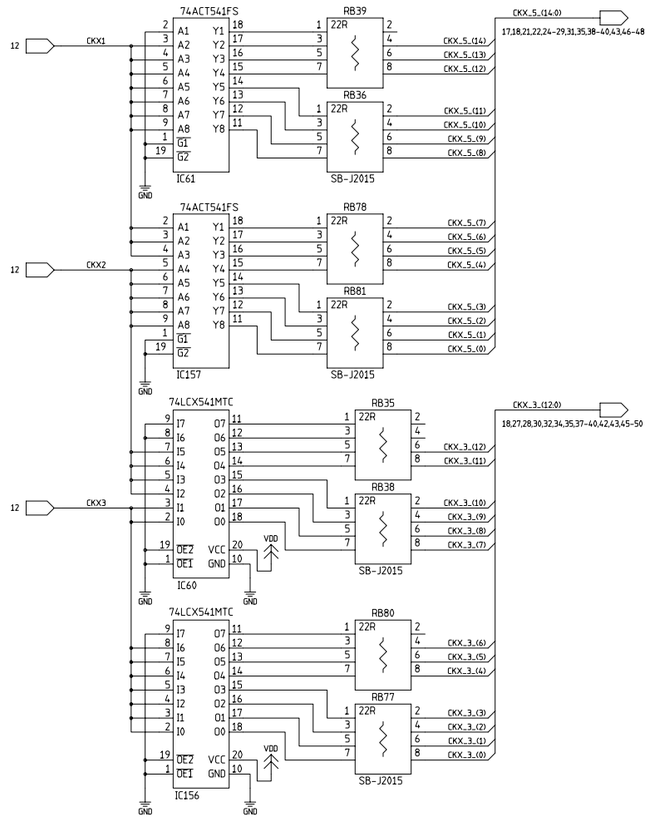


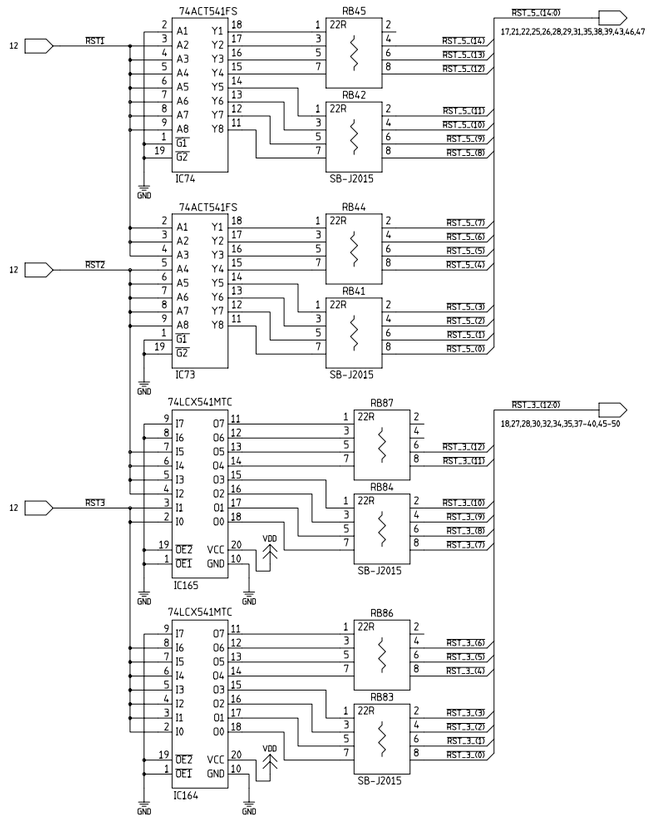


Key Processor Board
KPC-3 (15/50)
BOARD NO. 1-645-285-11

HDS-7000

KPC-3 (16/50)

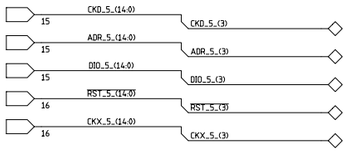


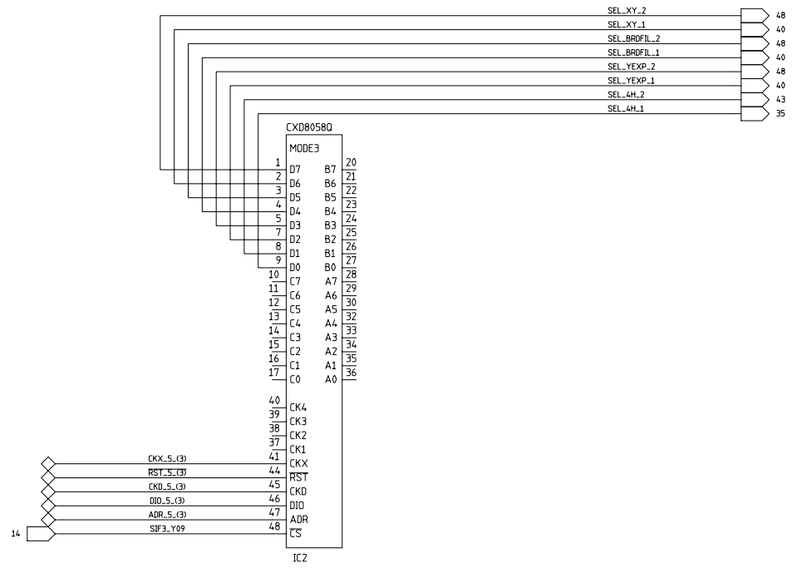


Key Processor Board
KPC-3 (16/50)
BOARD NO. 1-645-285-11

HDS-7000

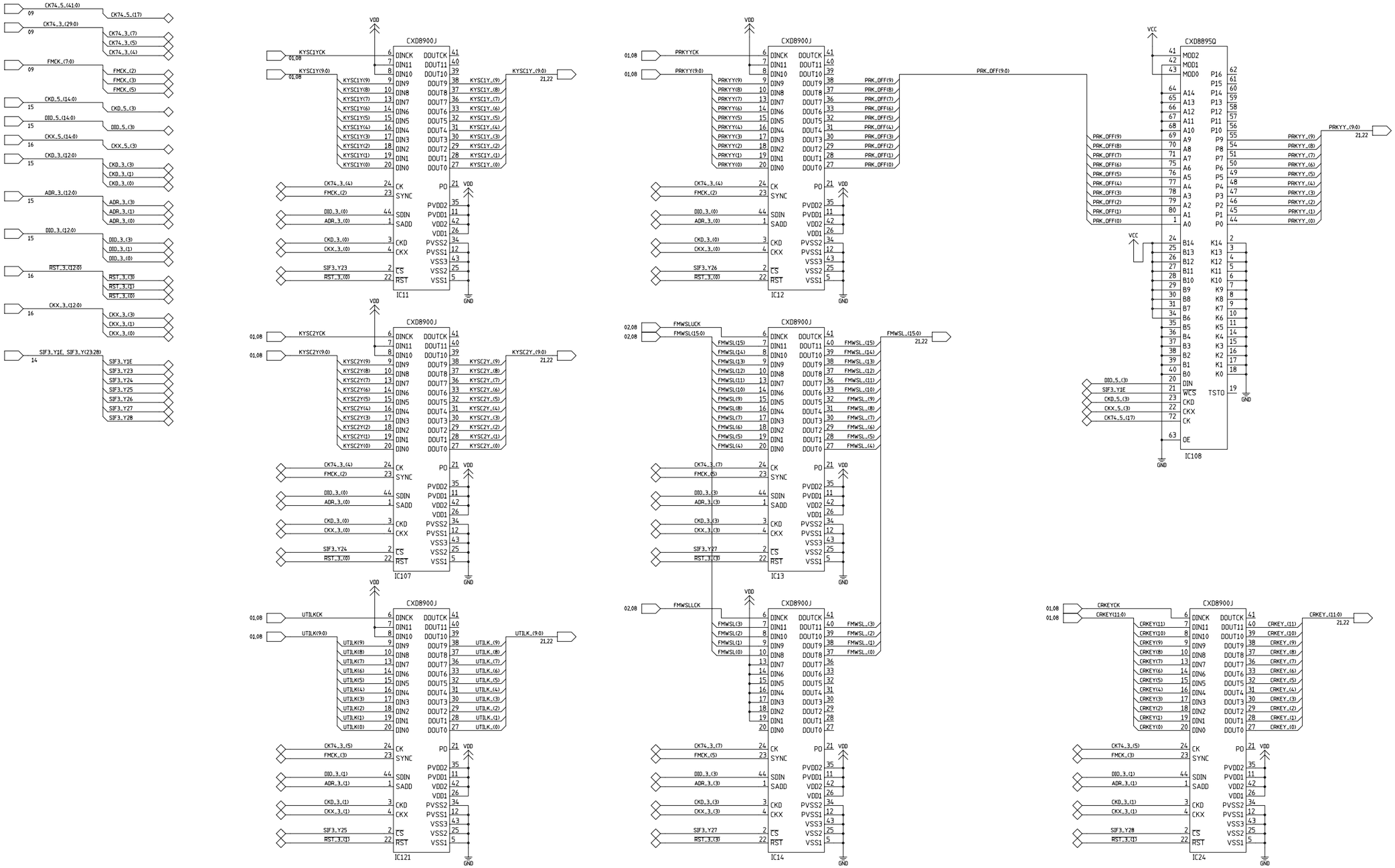
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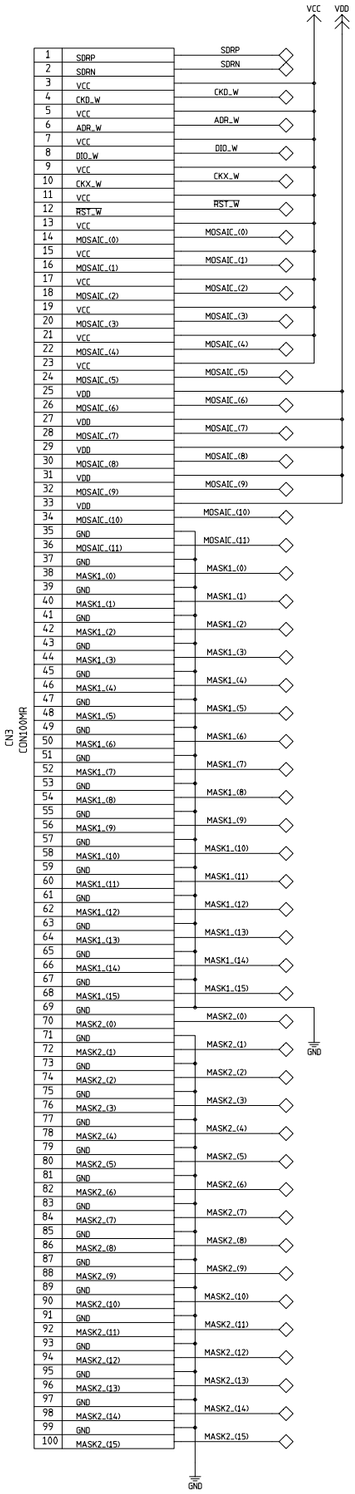
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KPC-3 (17/50)
BOARD NO. 1-645-285-11

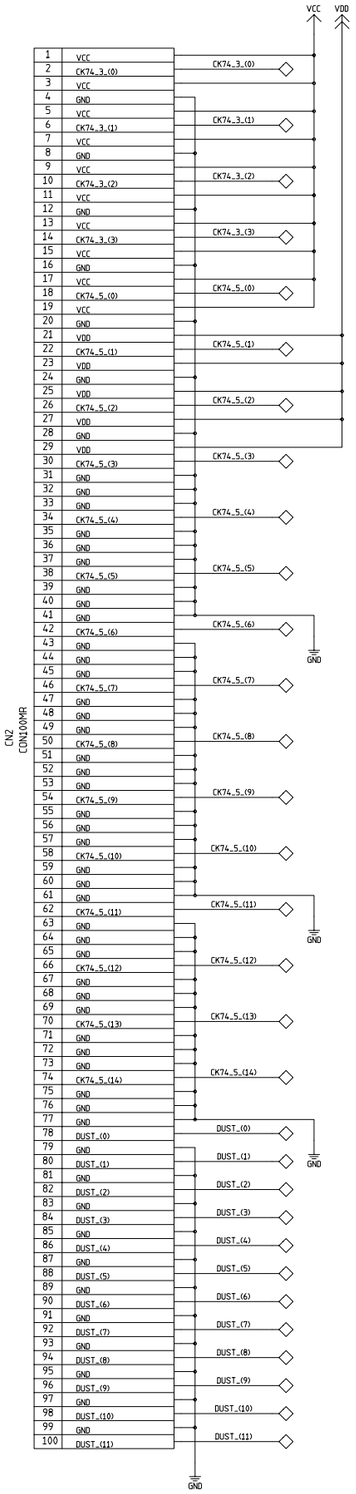
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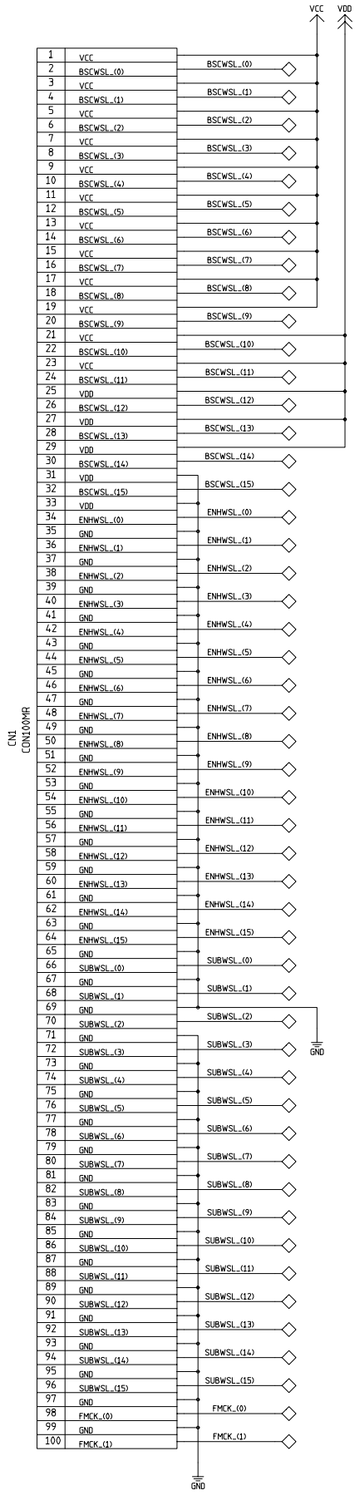


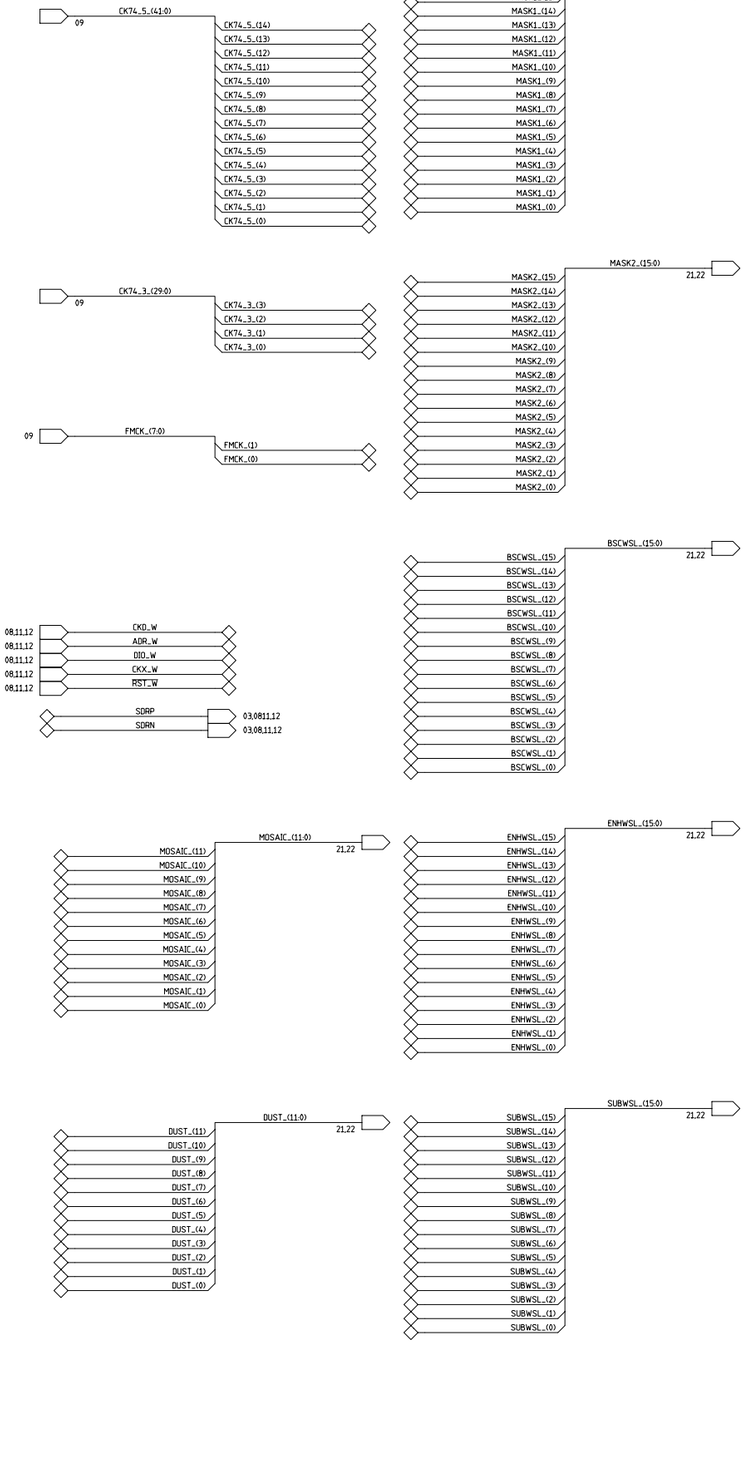
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KPC-3 (18/50)
BOARD NO. 1-645-285-11

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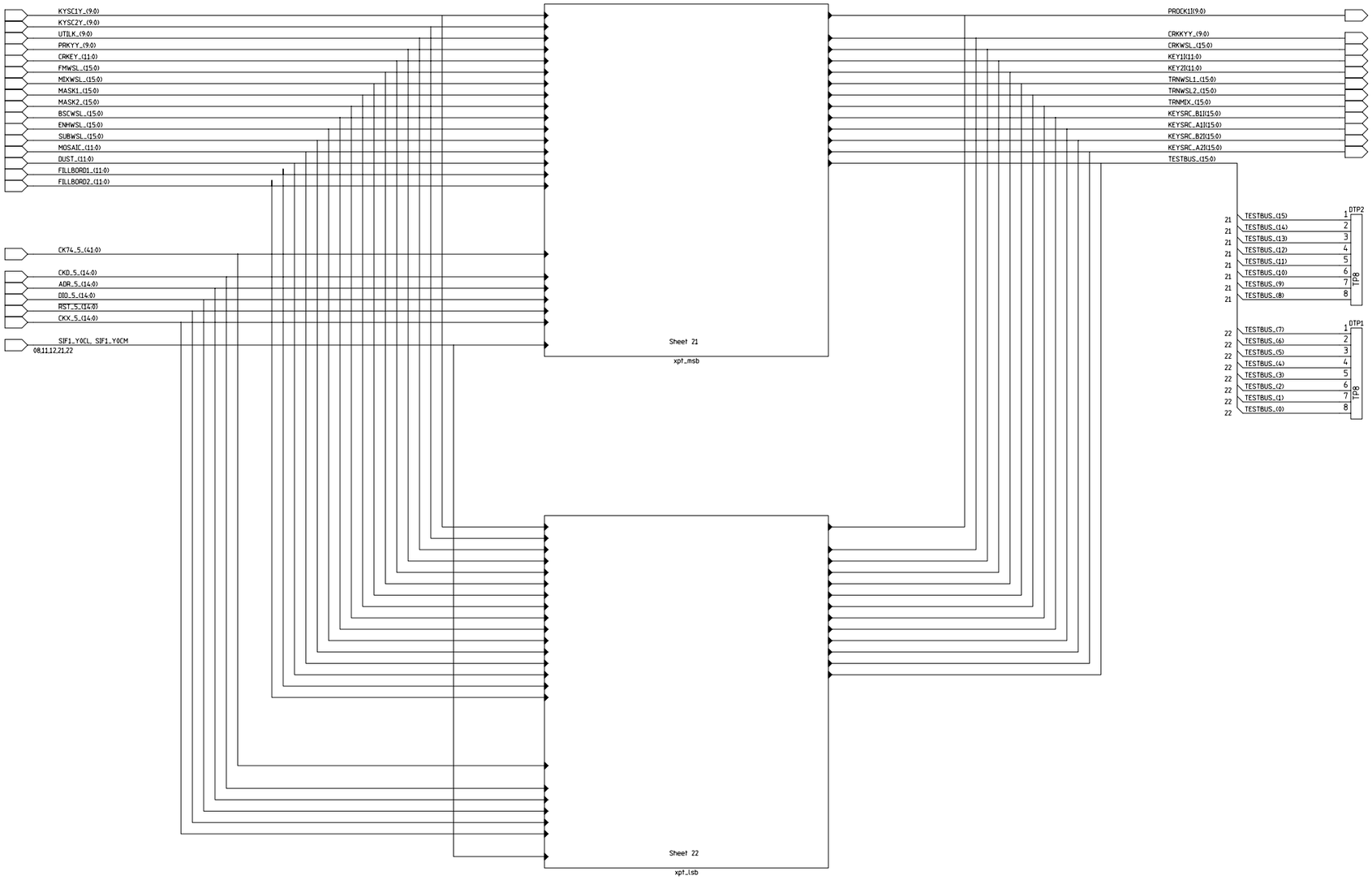
Key Processor Board
KPC-3 (19/50)
BOARD NO. 1-645-285-11

HDS-7000

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KPC-3 (20/50)

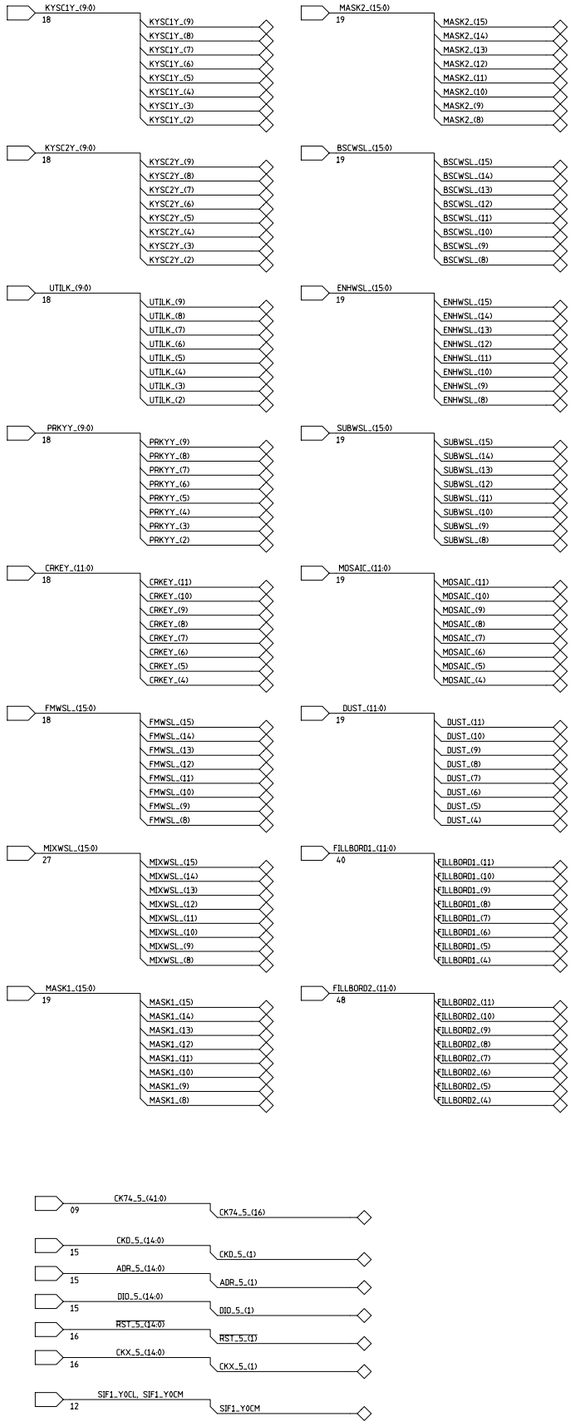


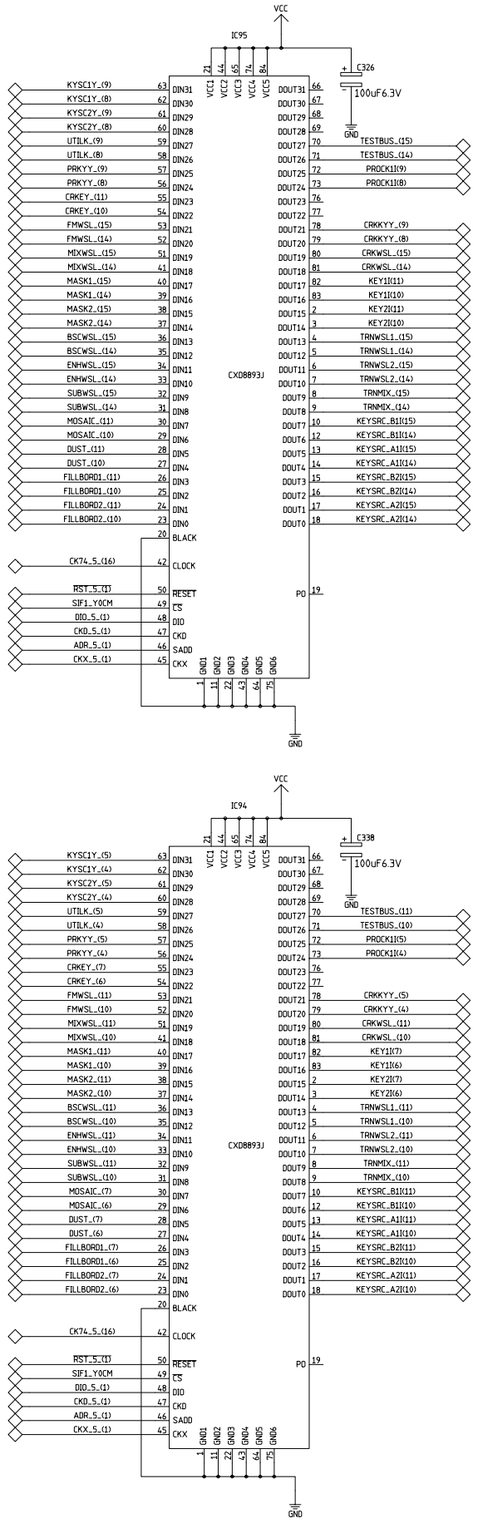
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KPC-3 (20/50)
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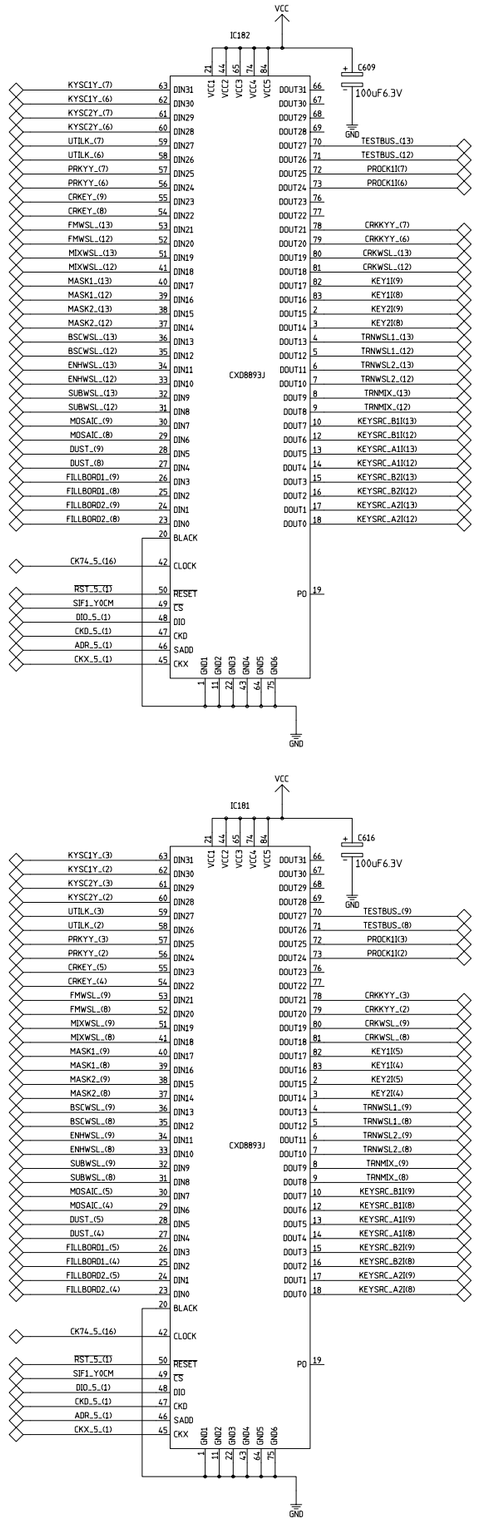
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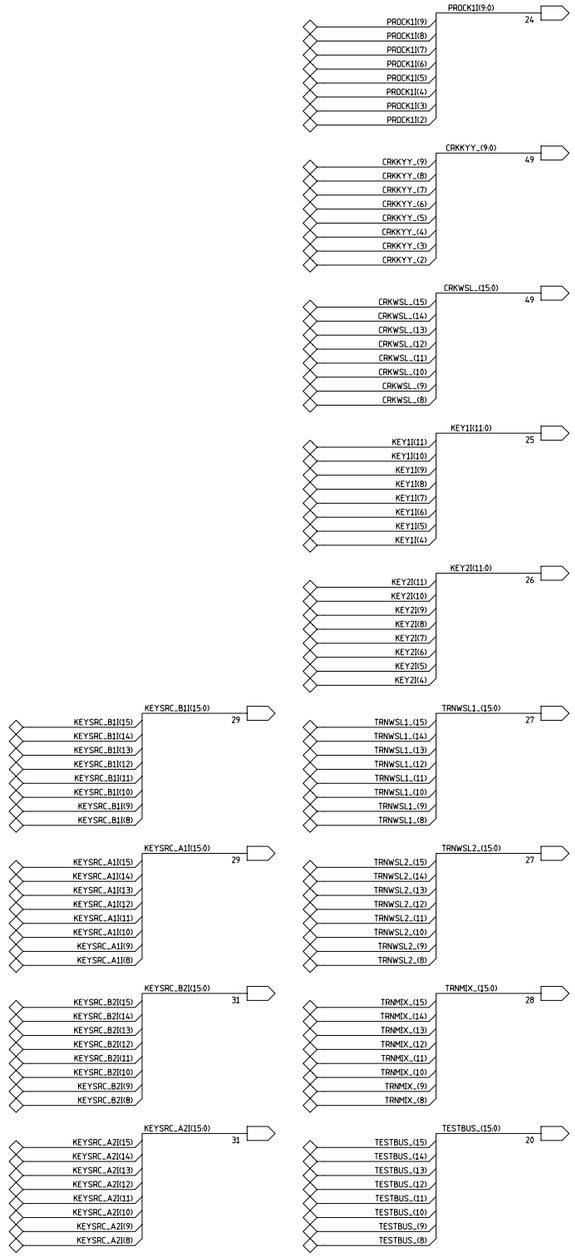
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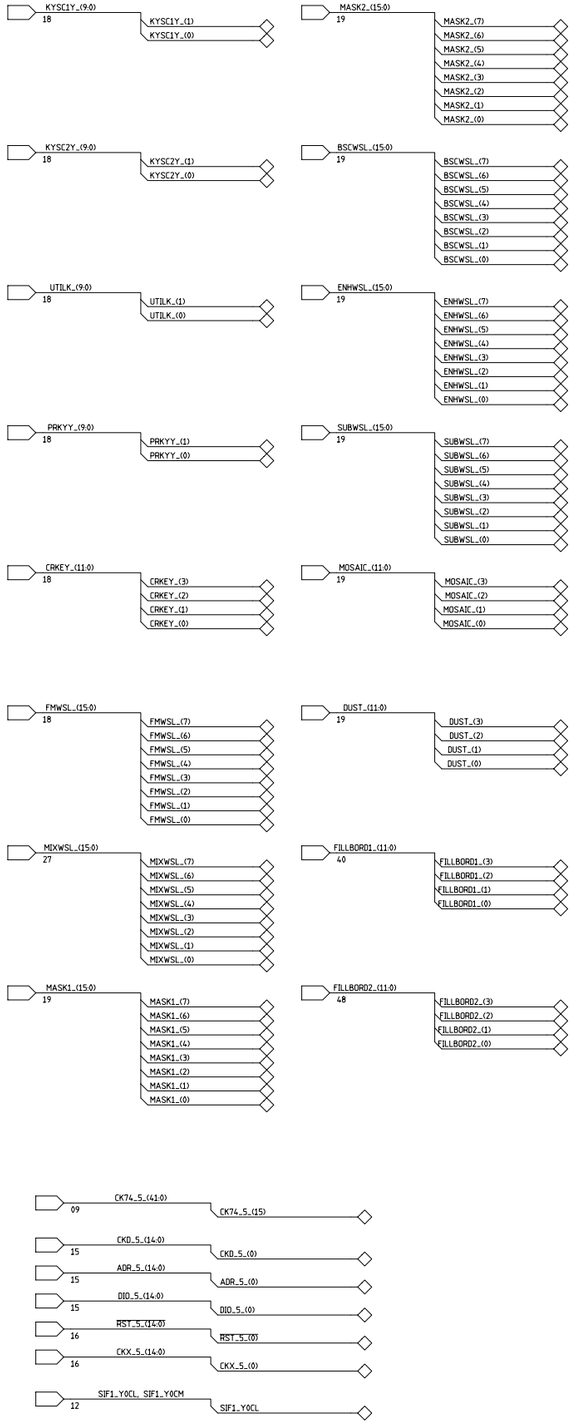


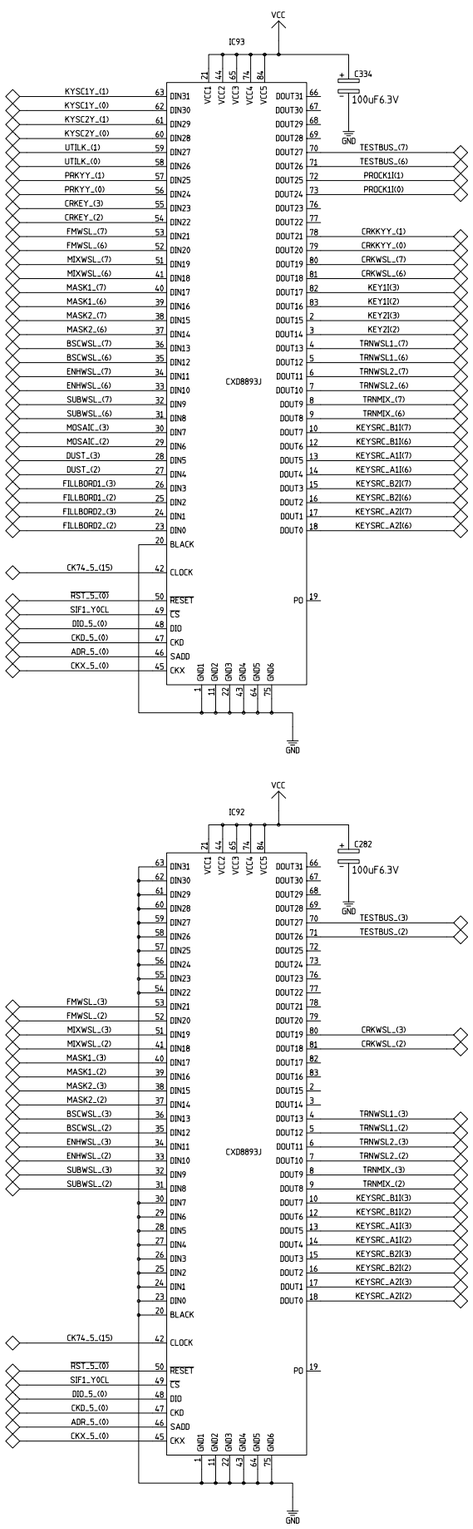
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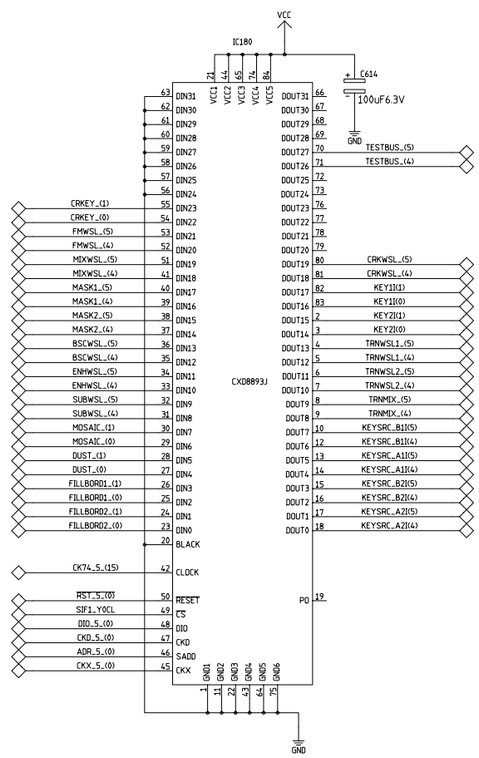
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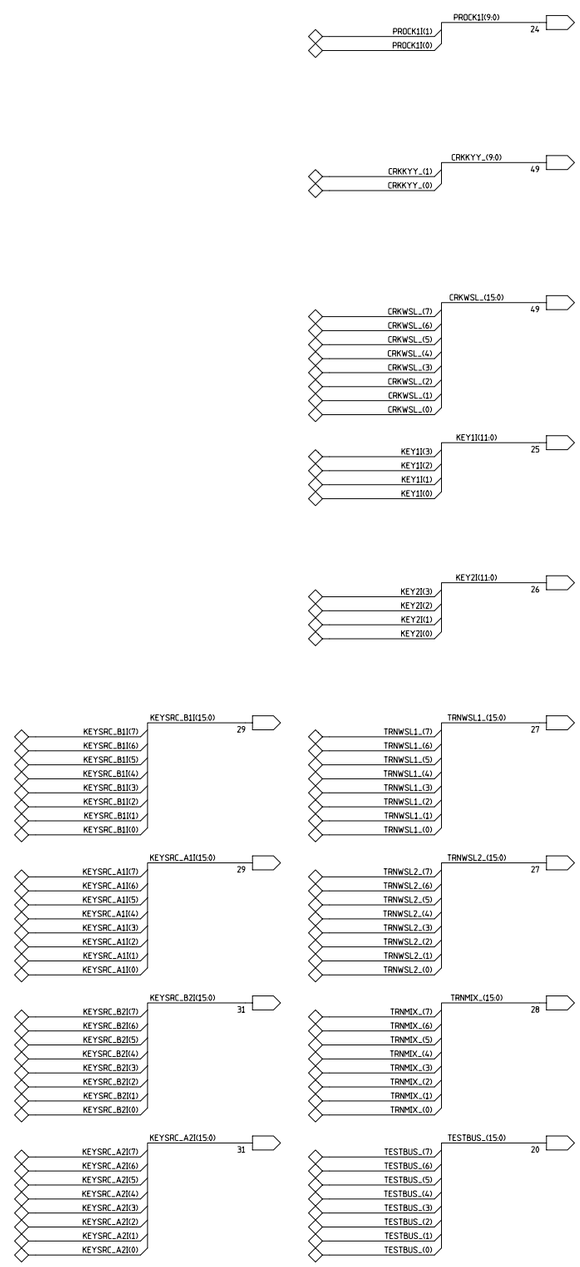
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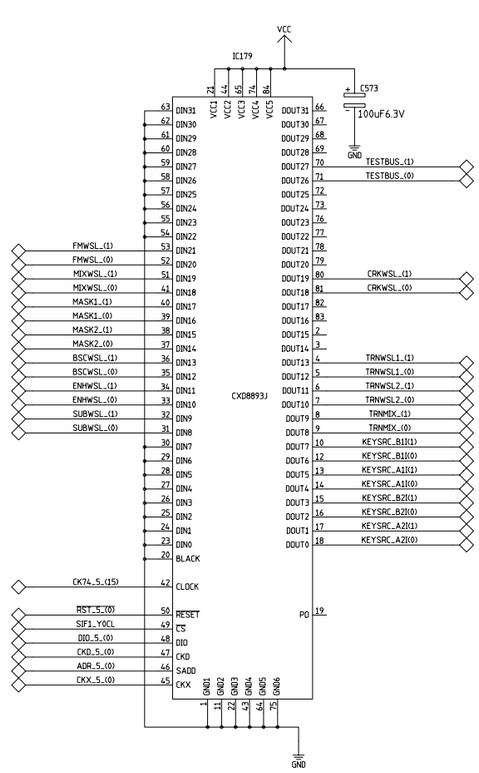
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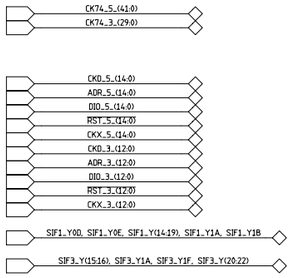


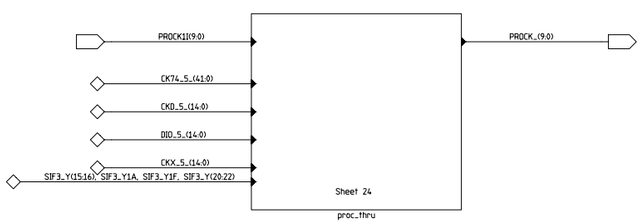
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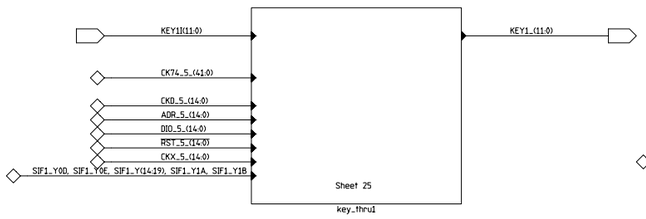
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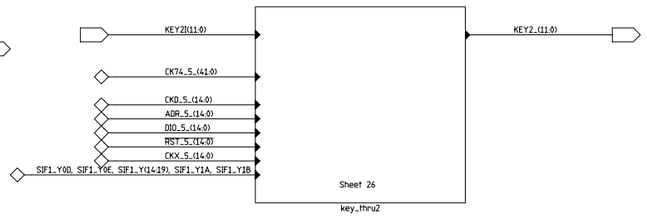
BOARD NO. 1-645-285-11

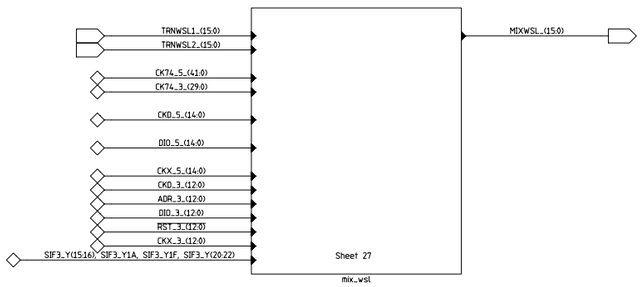
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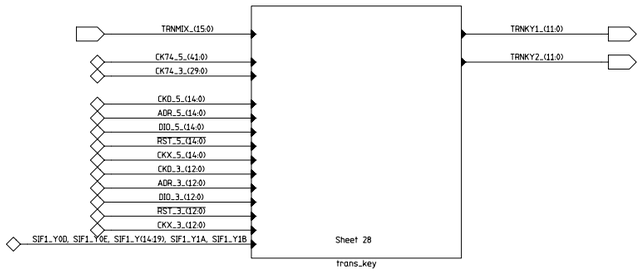


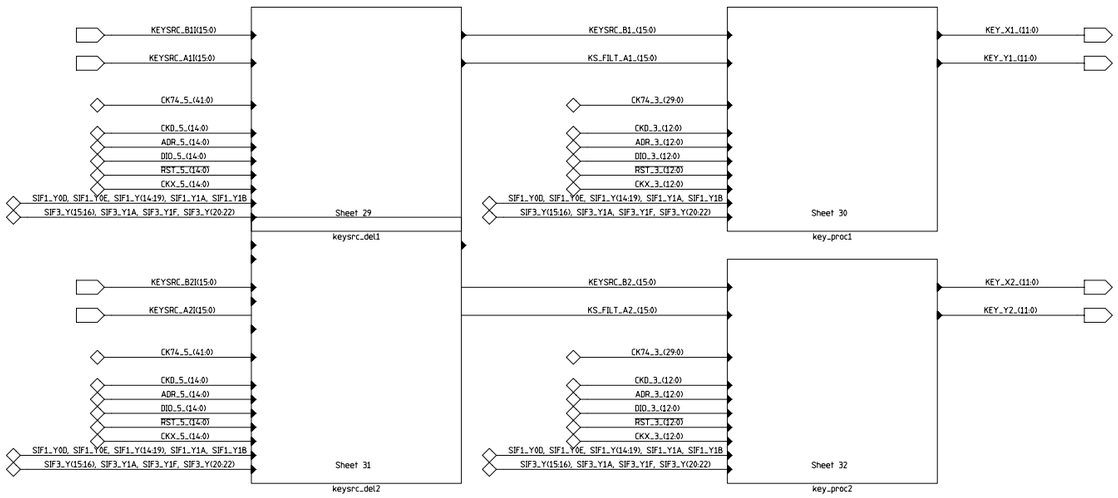








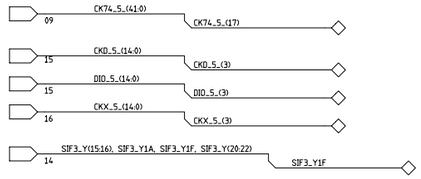


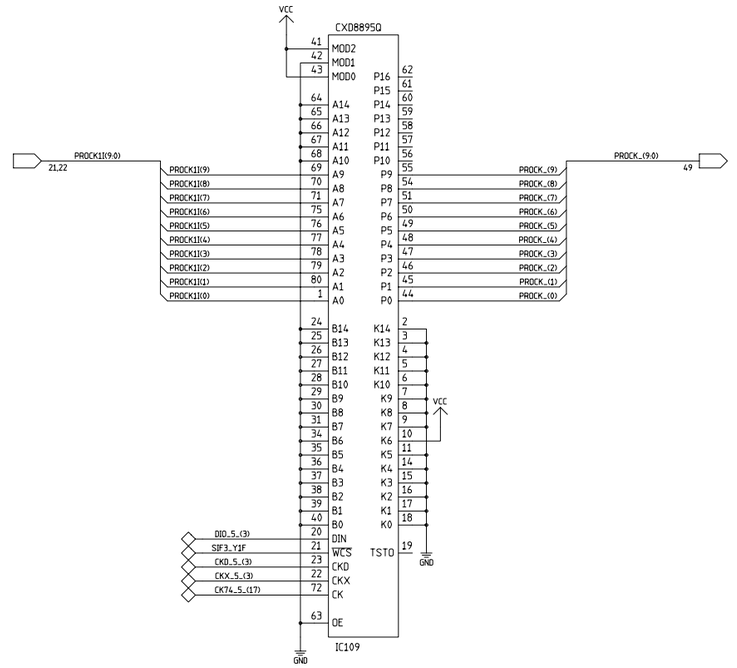


Key Processor Board
KPC-3 (23/50)
BOARD NO. 1-645-285-11

HDS-7000

KPC-3 (24/50)



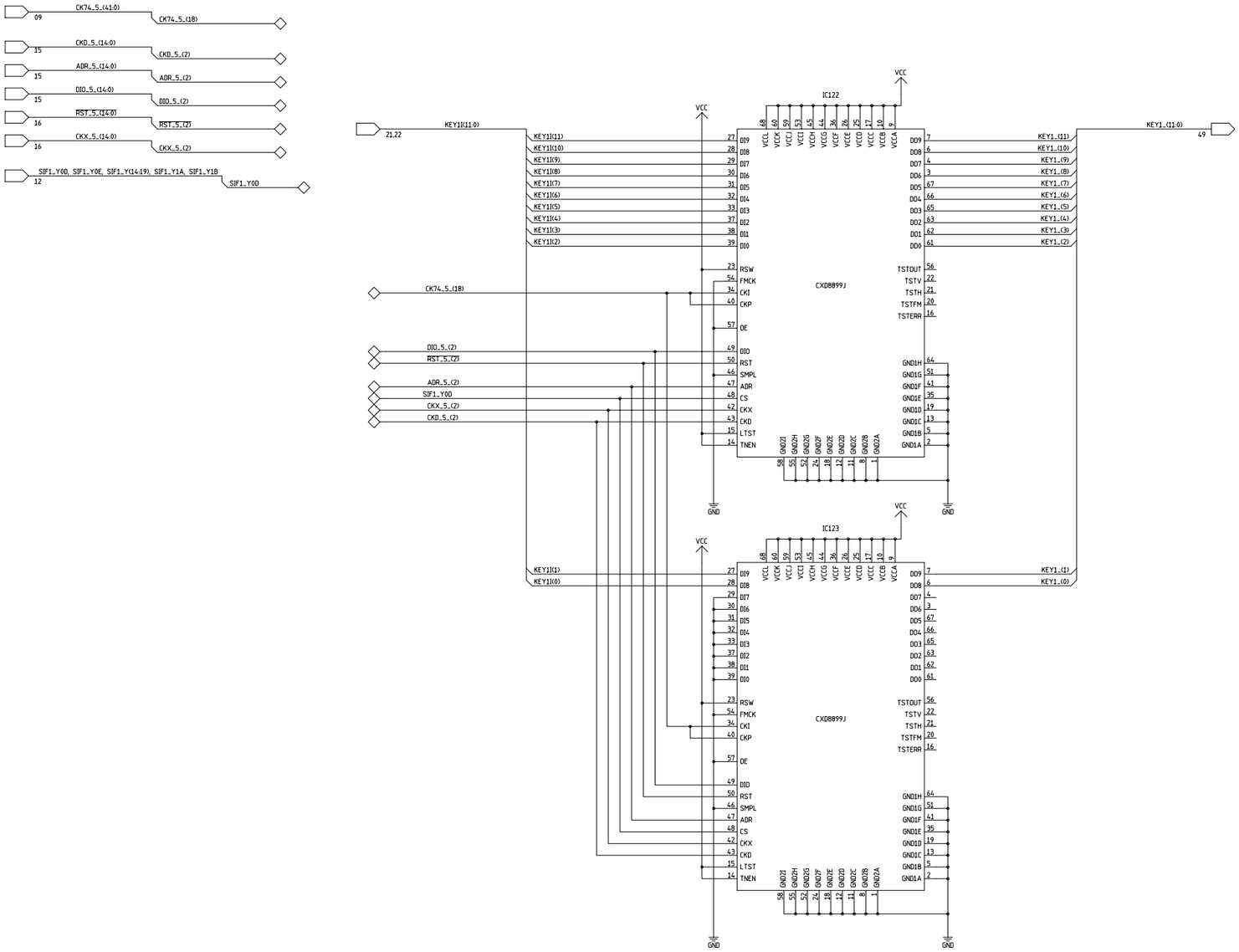


Key Processor Board
KPC-3 (24/50)
BOARD NO. 1-645-285-11

HDS-7000

192

HDS-7000

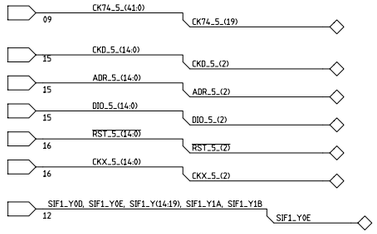


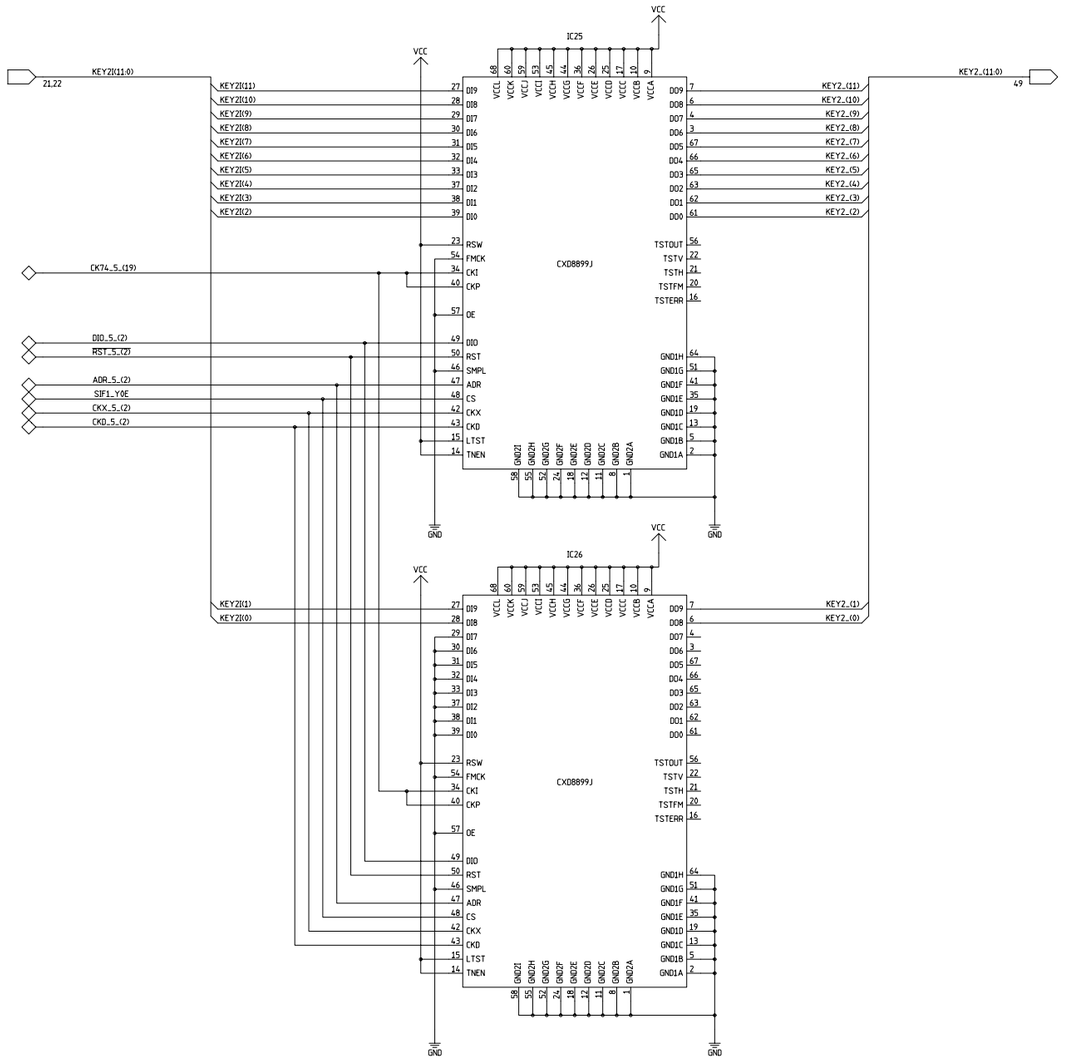
Key Processor Board
KPC-3 (25/50)
BOARD NO. 1-645-285-11

HDS-7000

HDS-7000

KPC-3 (26/50)



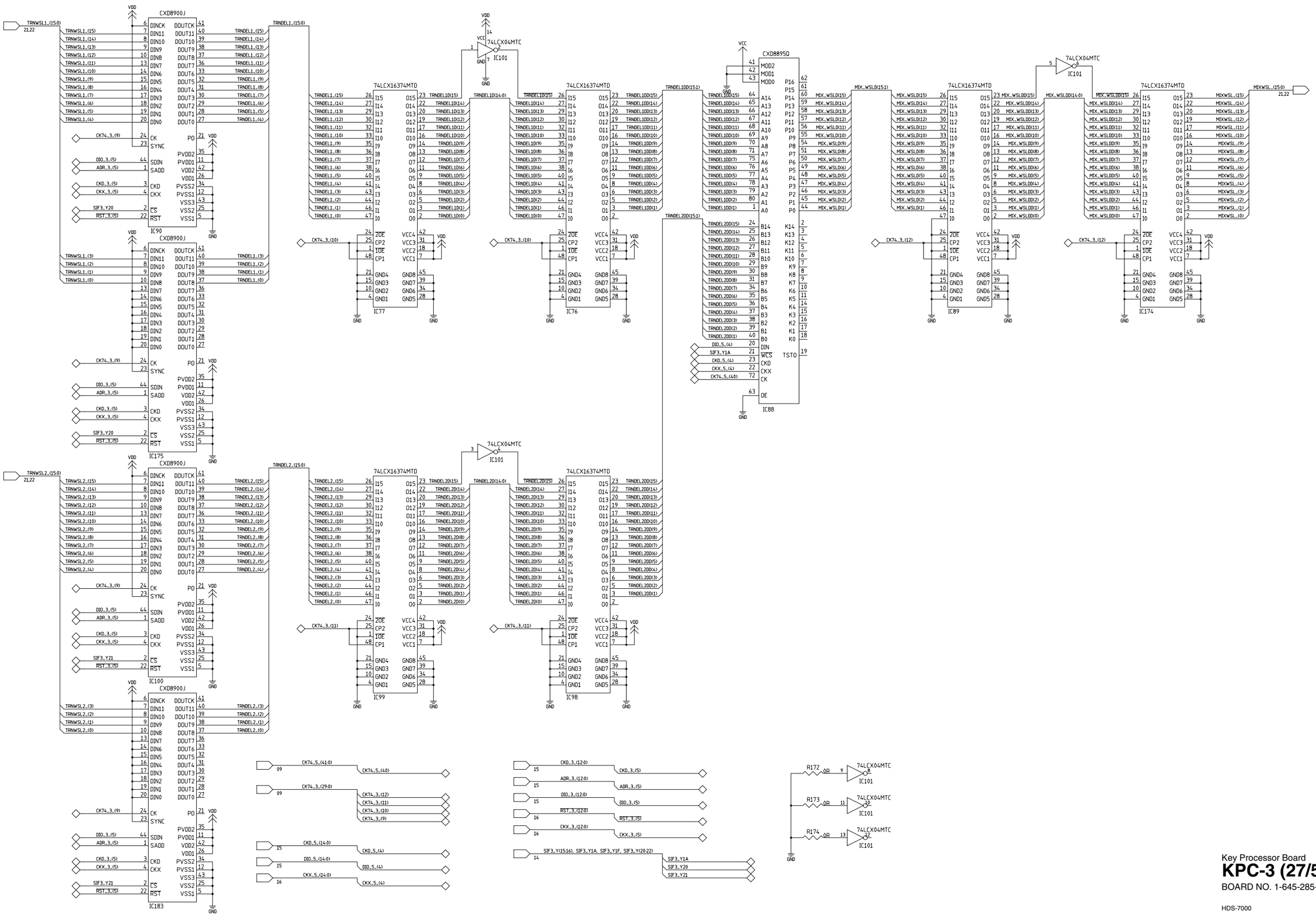


Key Processor Board
KPC-3 (26/50)
BOARD NO. 1-645-285-11

HDS-7000

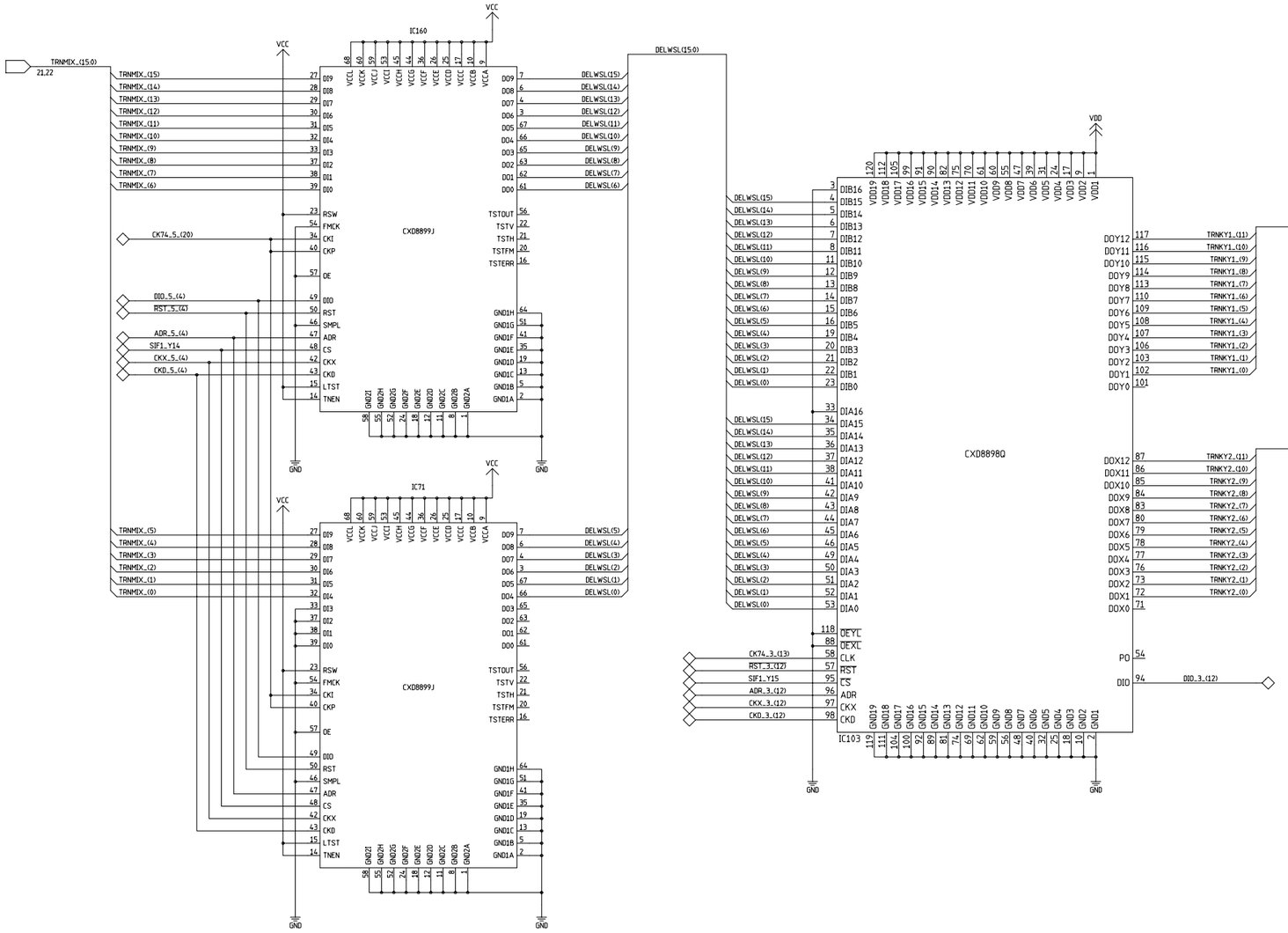
194
HDS-7000

KPC-3 (27/50)



Key Processor Board
KPC-3 (27/50)
BOARD NO. 1-645-285-11

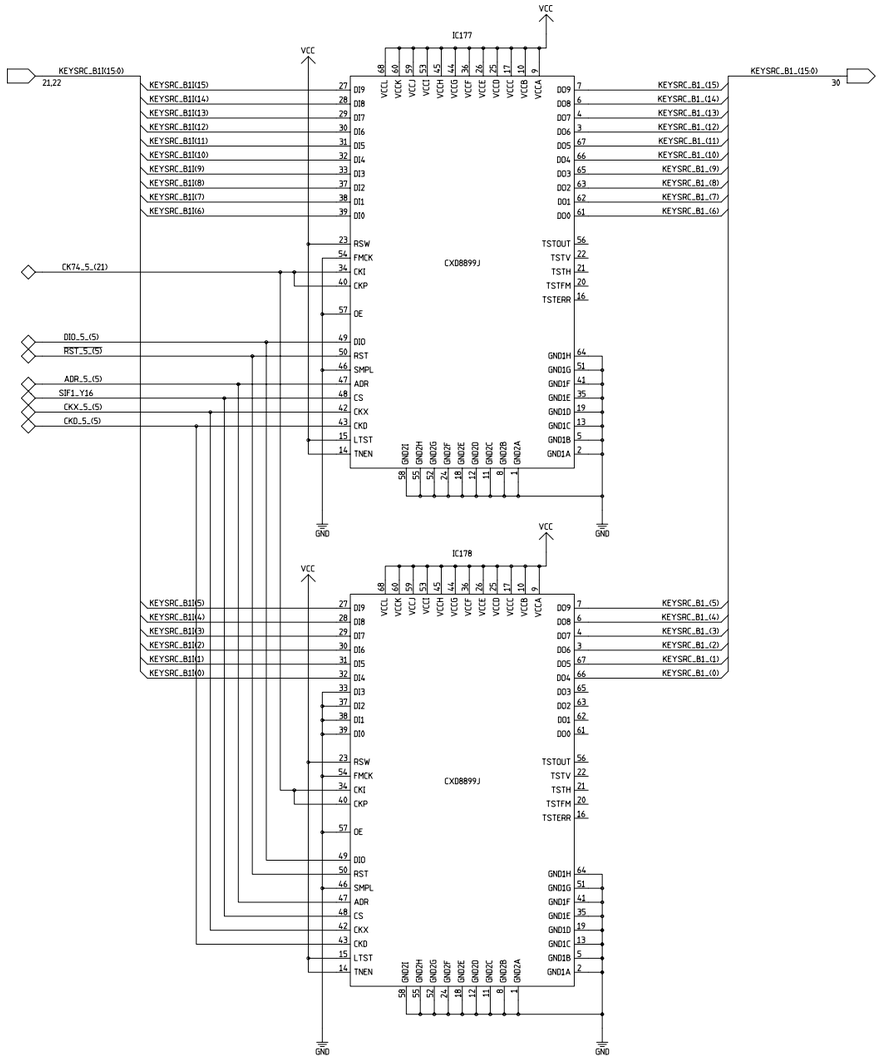
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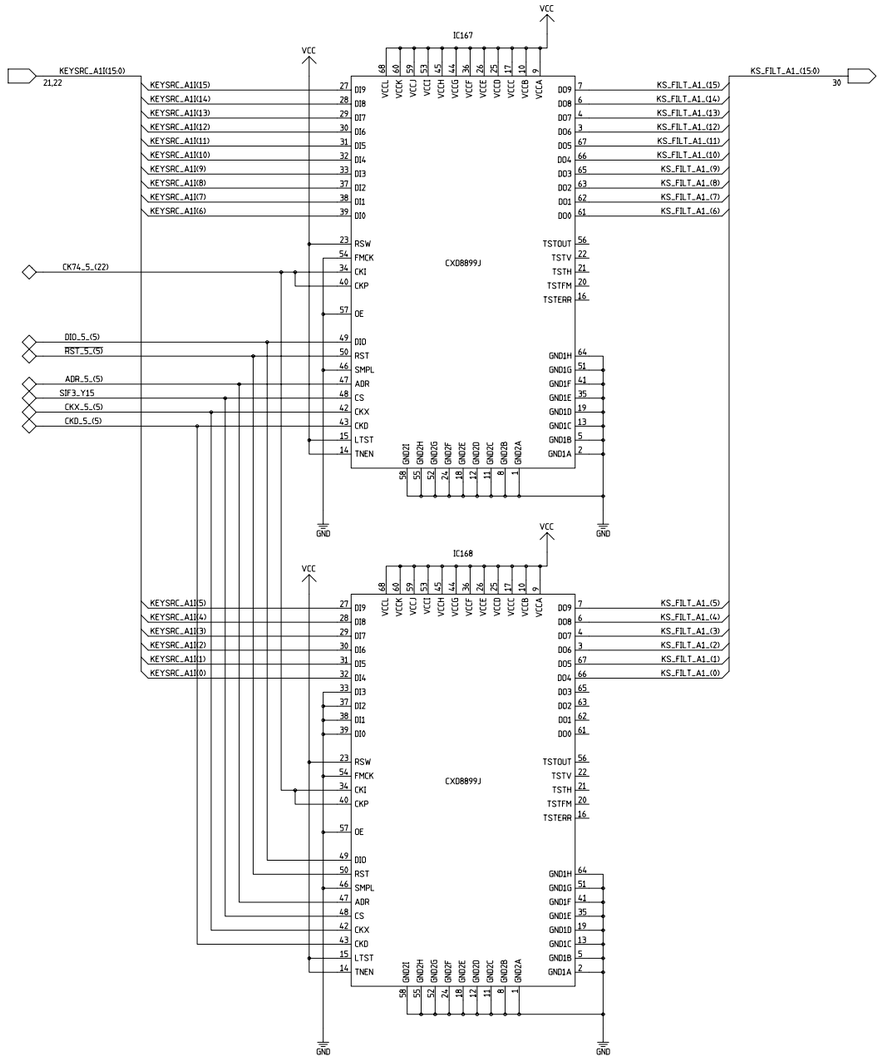


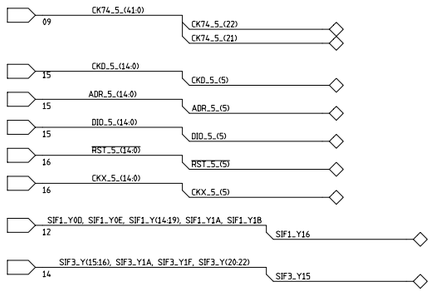
Key Processor Board
KPC-3 (28/50)
BOARD NO. 1-645-285-11

HDS-7000

KPC-3 (29/50)



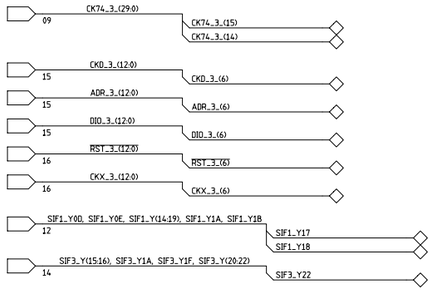


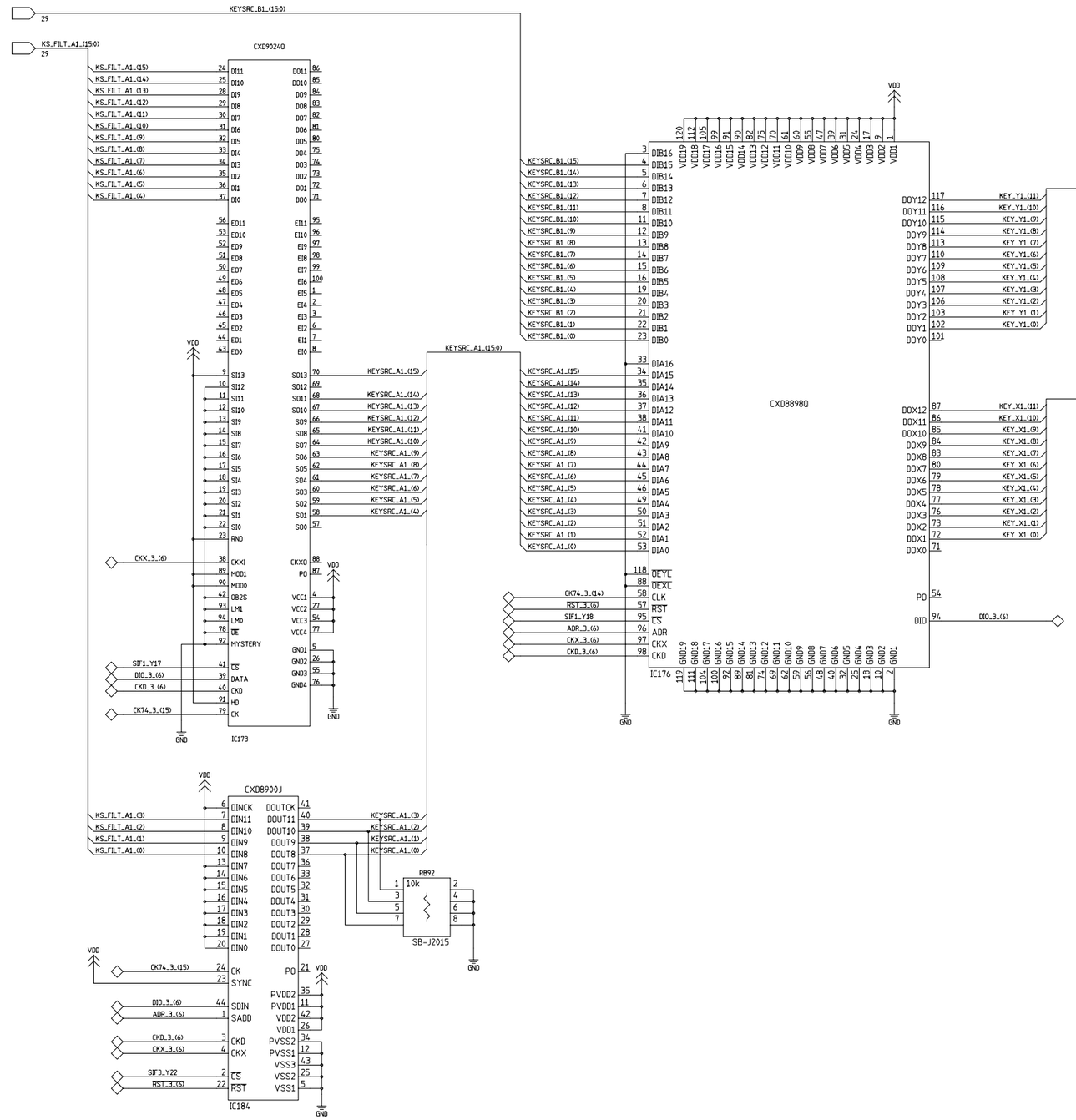


Key Processor Board
KPC-3 (29/50)
BOARD NO. 1-645-285-11

HDS-7000

197
HDS-7000

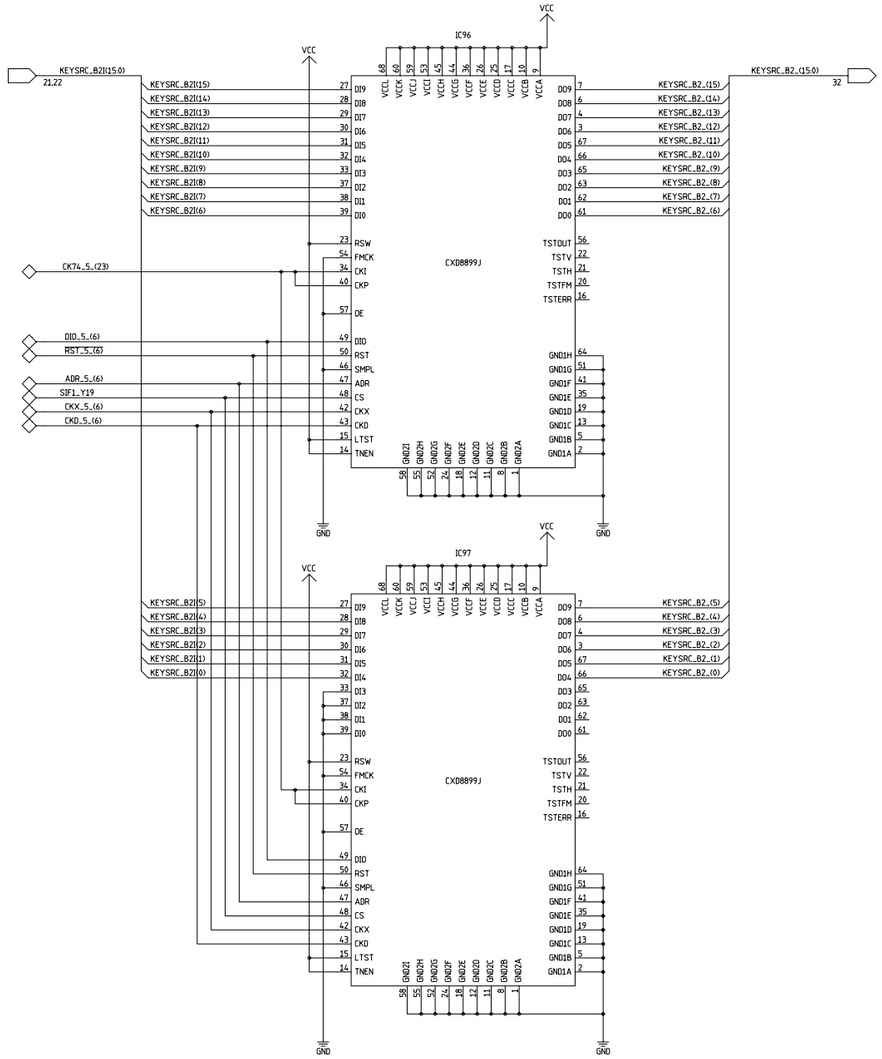


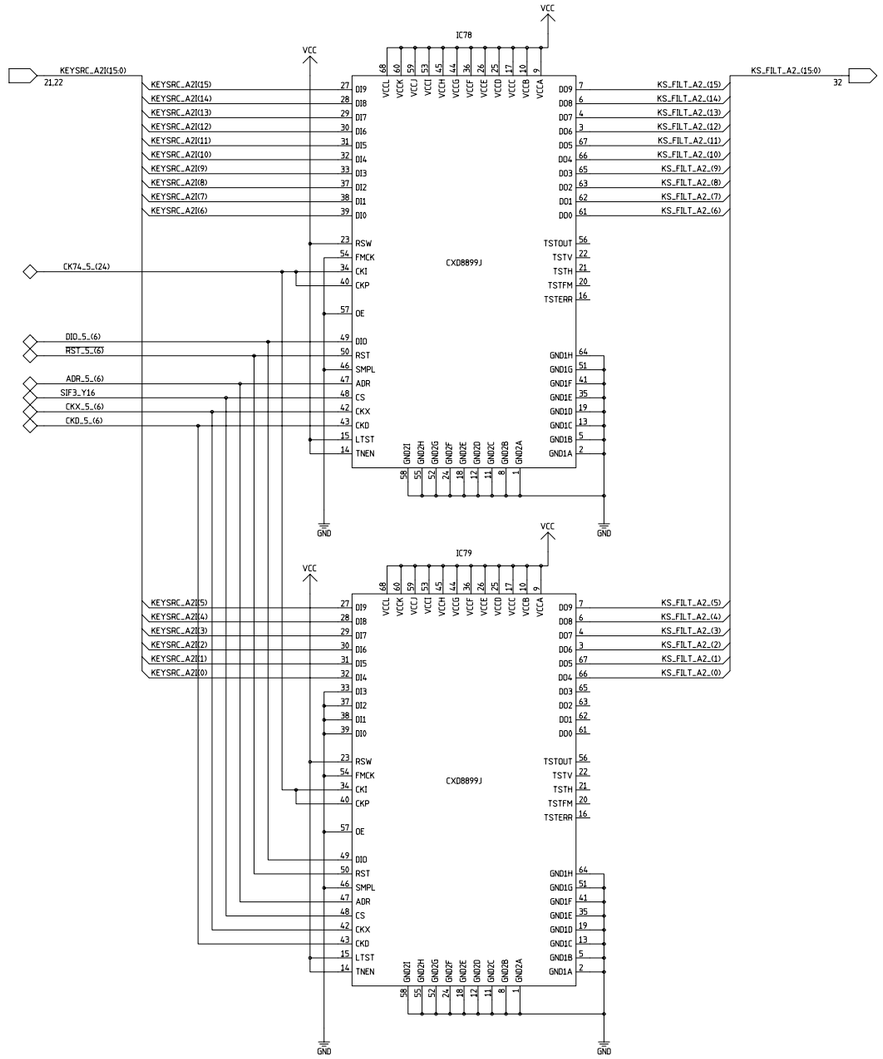


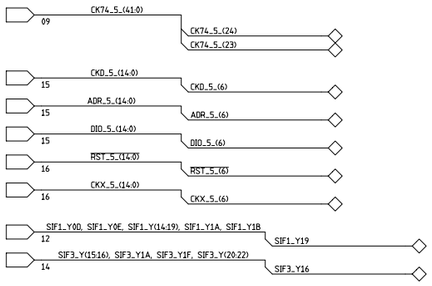
Key Processor Board
KPC-3 (30/50)
BOARD NO. 1-645-285-11

HDS-7000

KPC-3 (31/50)





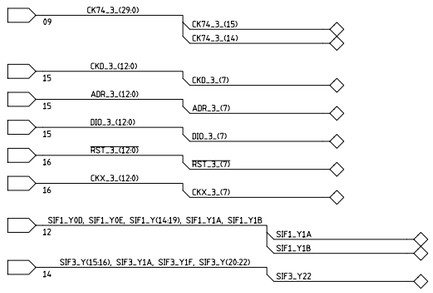


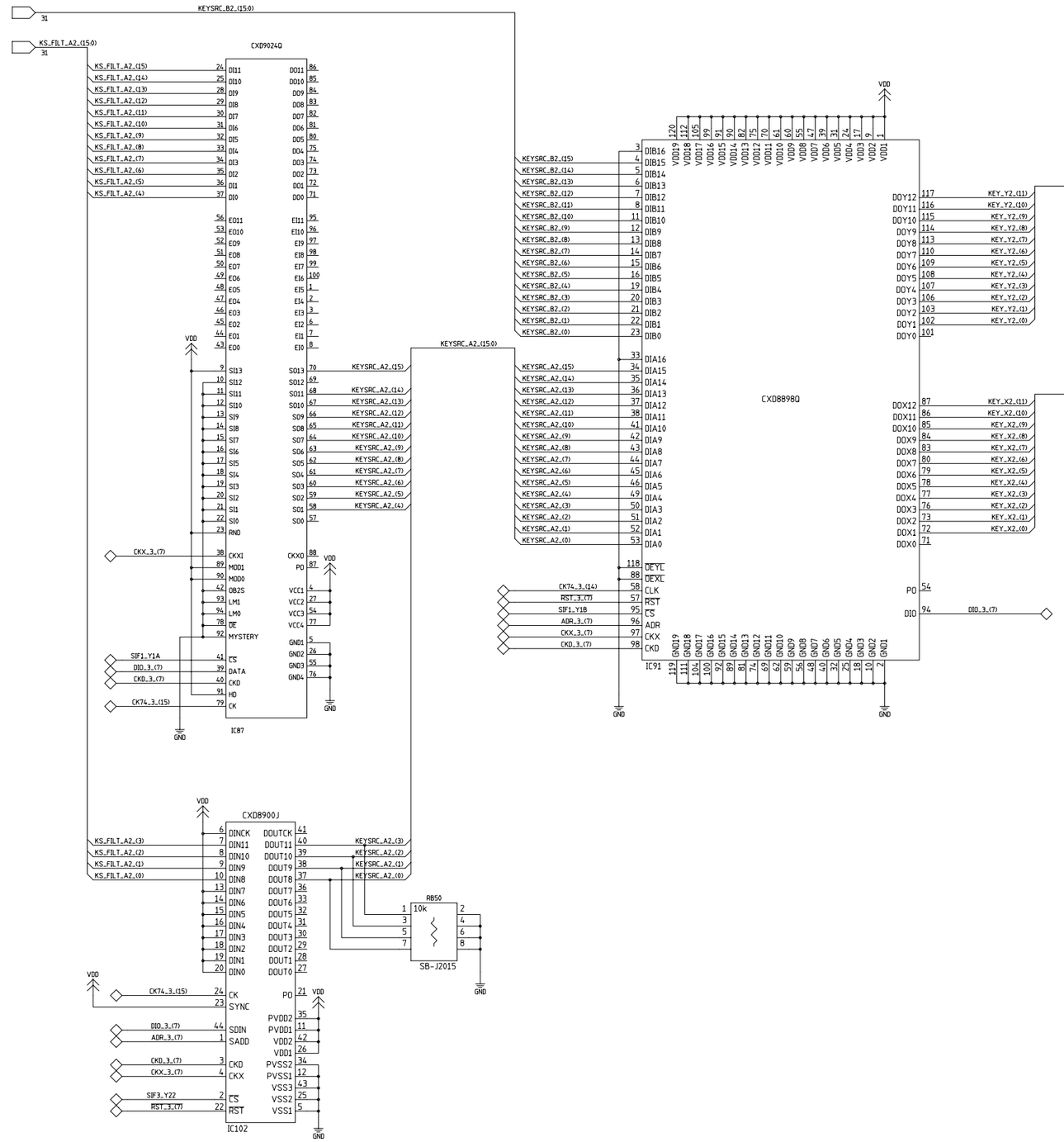
Key Processor Board
KPC-3 (31/50)
BOARD NO. 1-645-285-11

HDS-7000

199
HDS-7000

KPC-3 (32/50)





Key Processor Board

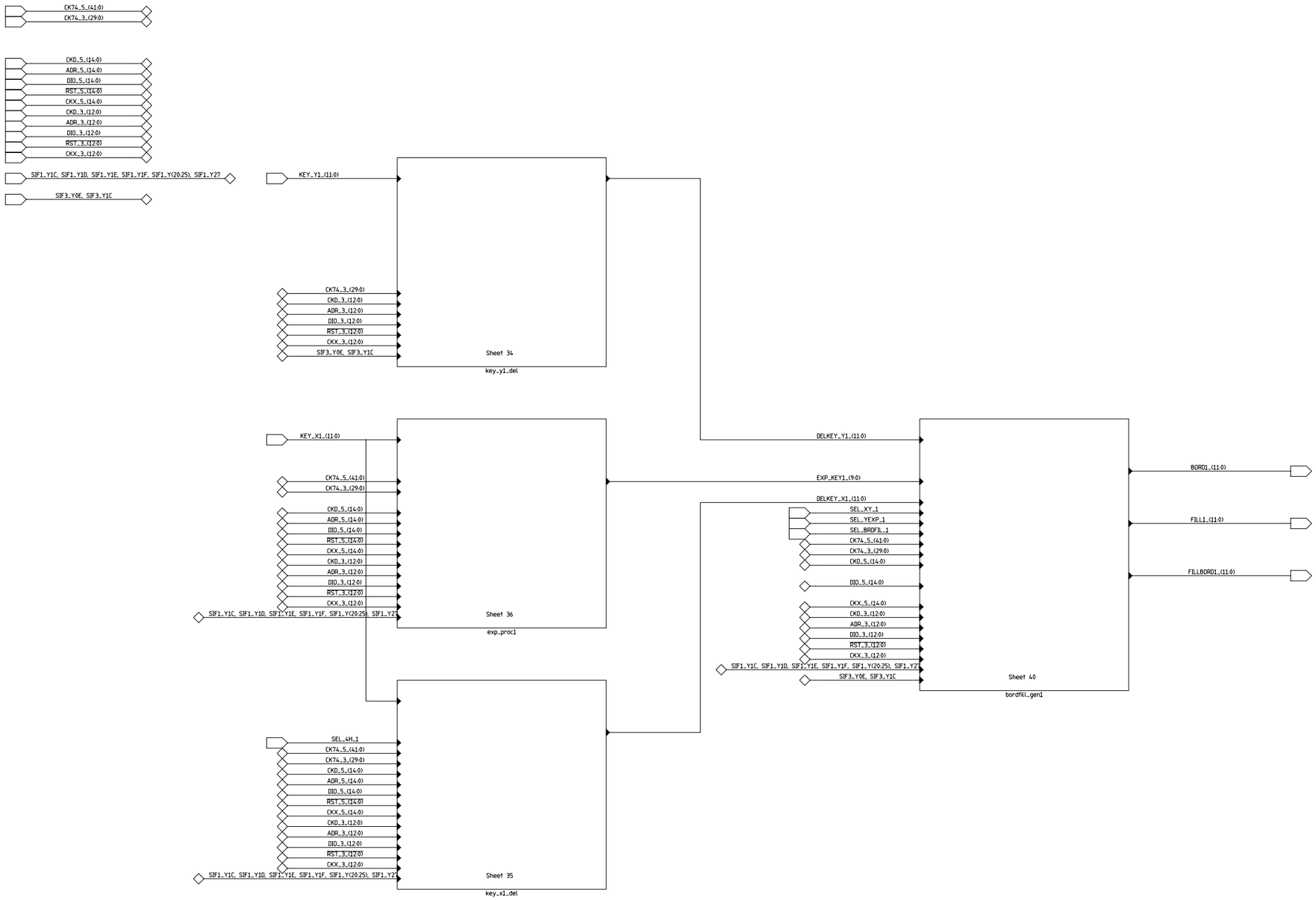
KPC-3 (32/50)

BOARD NO. 1-645-285-11

HDS-7000

HDS-7000

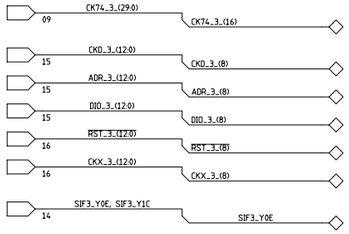
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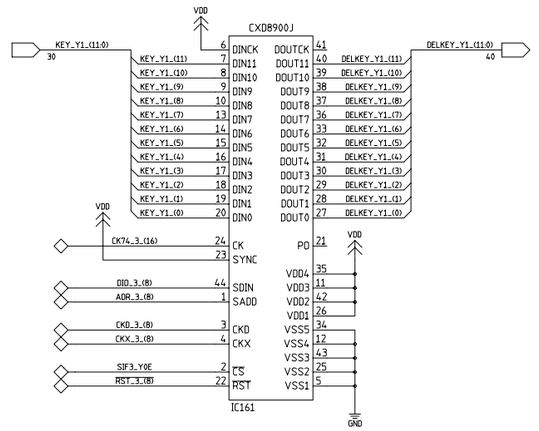


Key Processor Board
KPC-3 (33/50)
BOARD NO. 1-645-285-11

HDS-7000

KPC-3 (34/50)



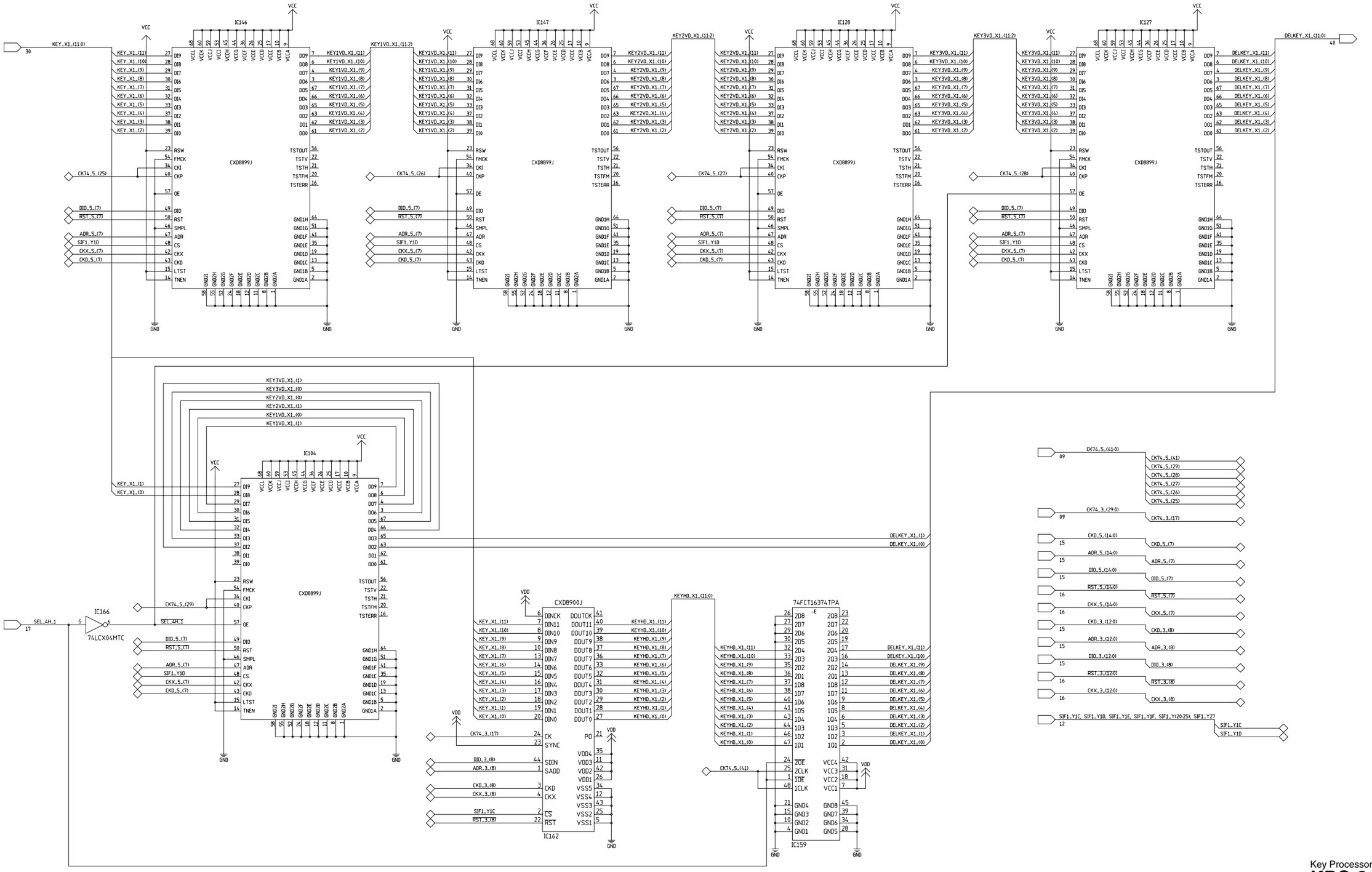


Key Processor Board
KPC-3 (34/50)
BOARD NO. 1-645-285-11

HDS-7000

HDS-7000

202



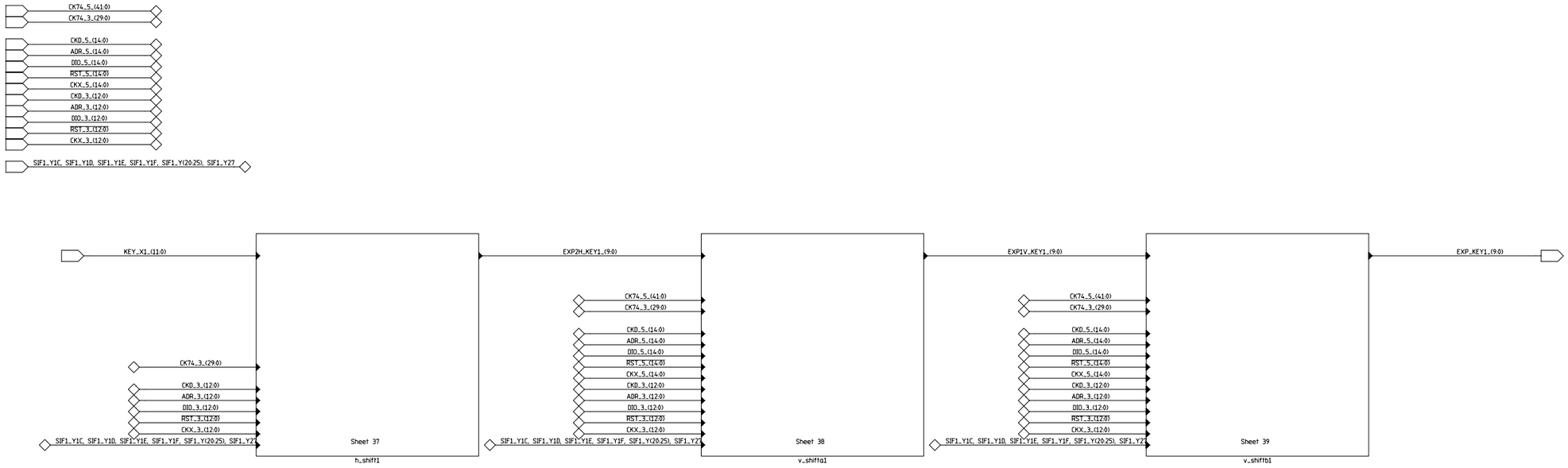
Key Processor Board

KPC-3 (35/50)

BOARD NO. 1-645-285-11

HDS-7000

KPC-3 (36/50)

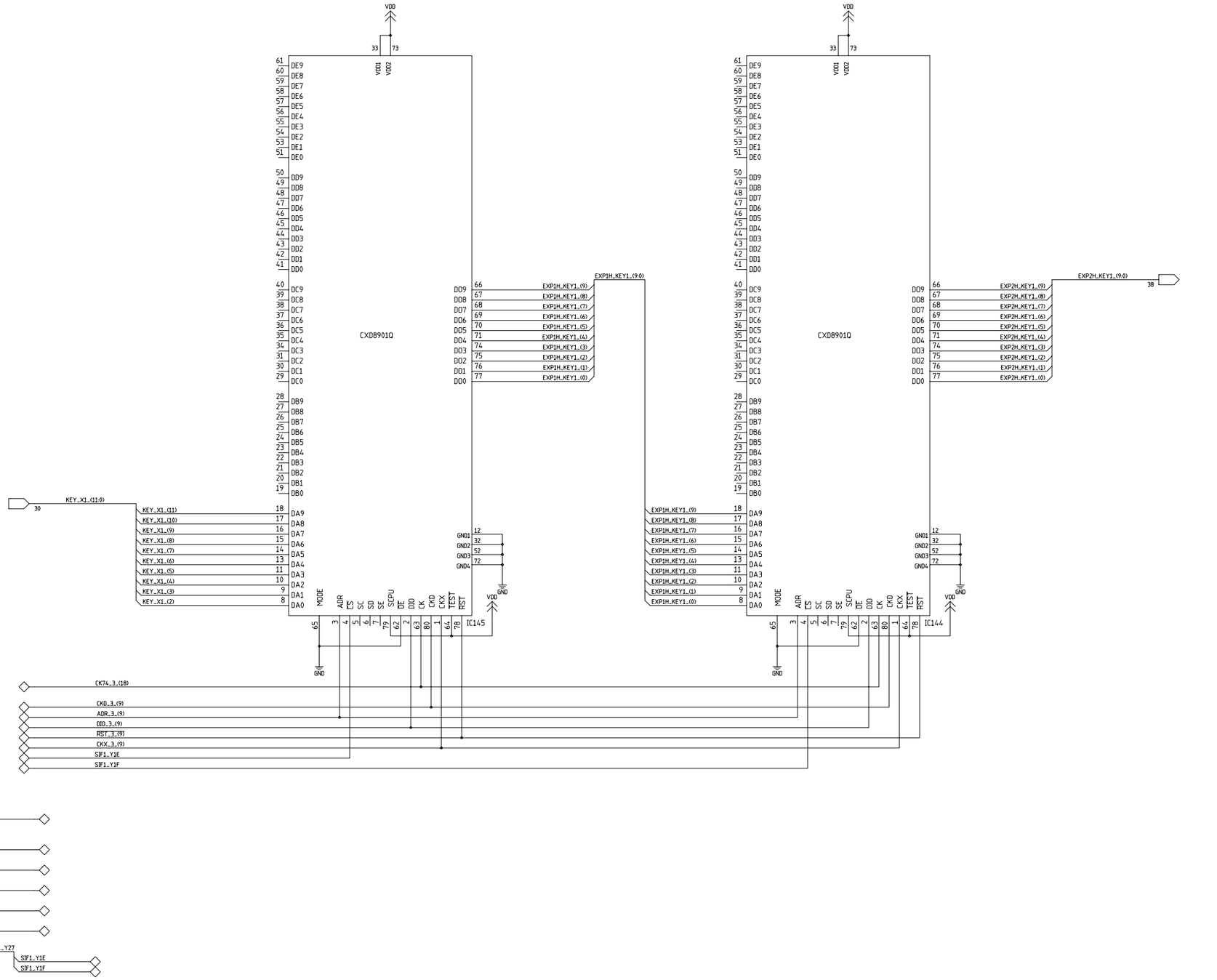


Key Processor Board
KPC-3 (36/50)
BOARD NO. 1-645-285-11

HDS-7000

HDS-7000

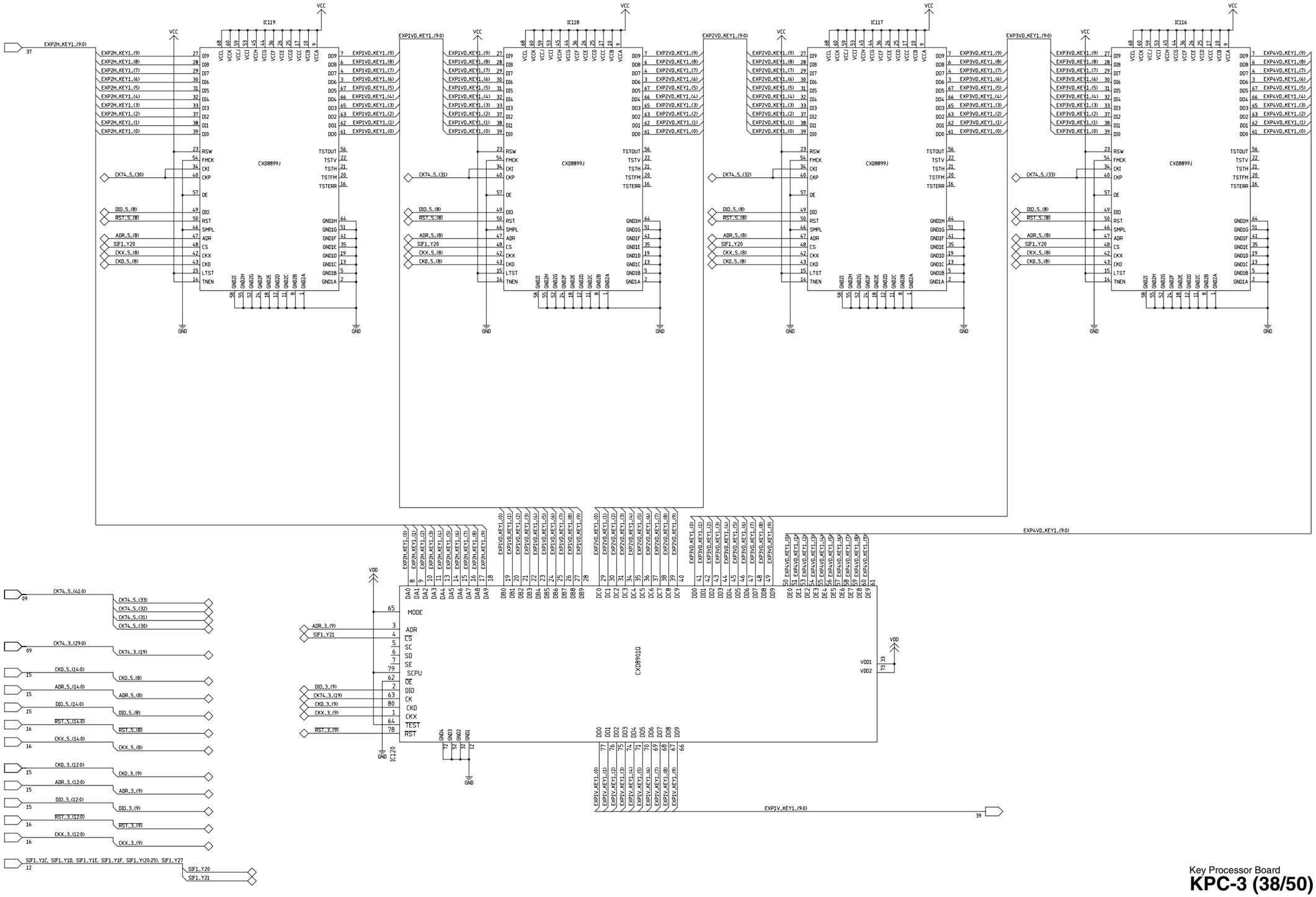
204



Key Processor Board
KPC-3 (37/50)
BOARD NO. 1-645-285-11

HDS-7000

KPC-3 (38/50)



Key Processor Board

KPC-3 (38/50)

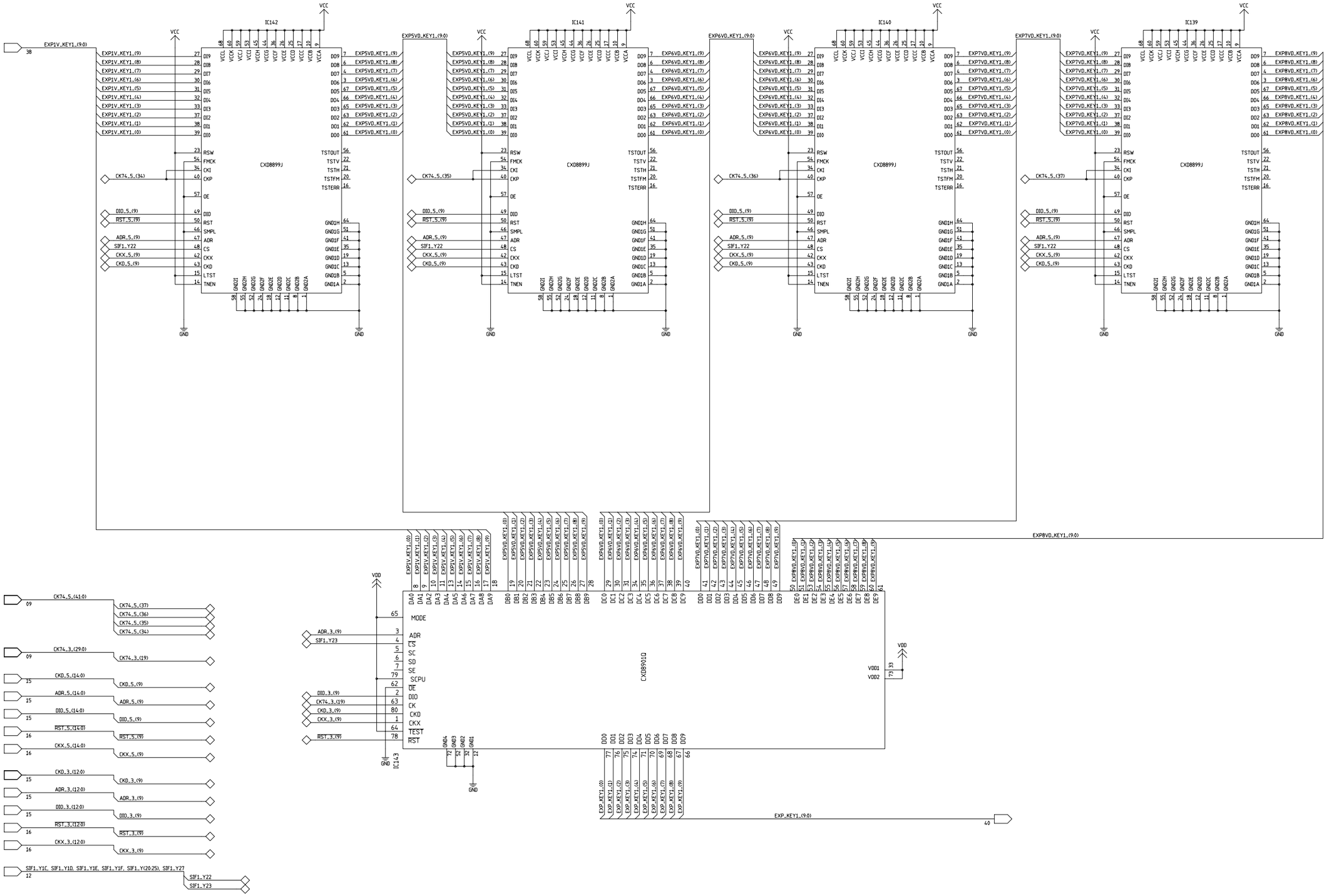
BOARD NO. 1-645-285-11

HDS-7000

206

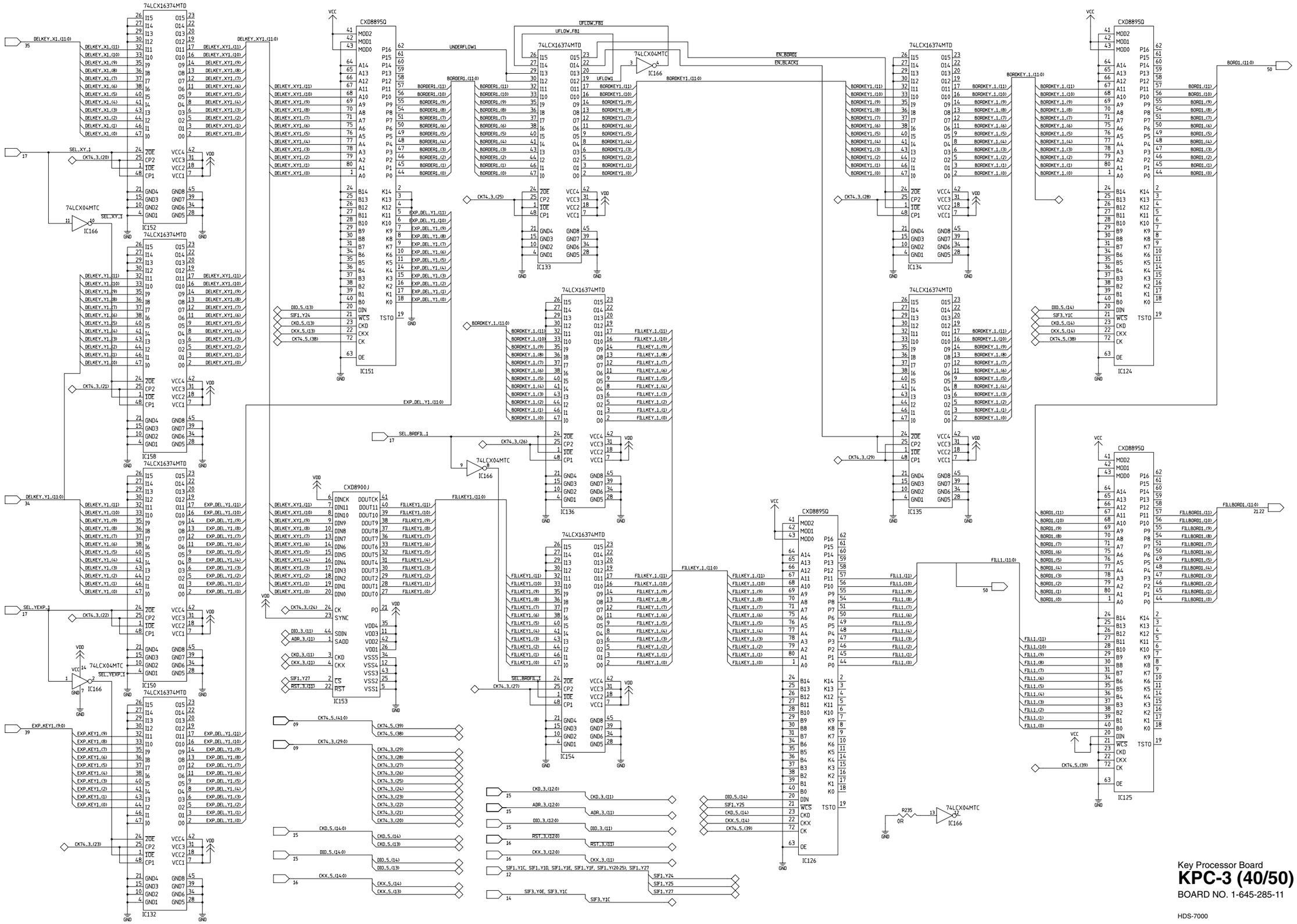
HDS-7000

KPC-3 (39/50)



Key Processor Board
KPC-3 (39/50)
BOARD NO. 1-645-285-11

HDS-7000

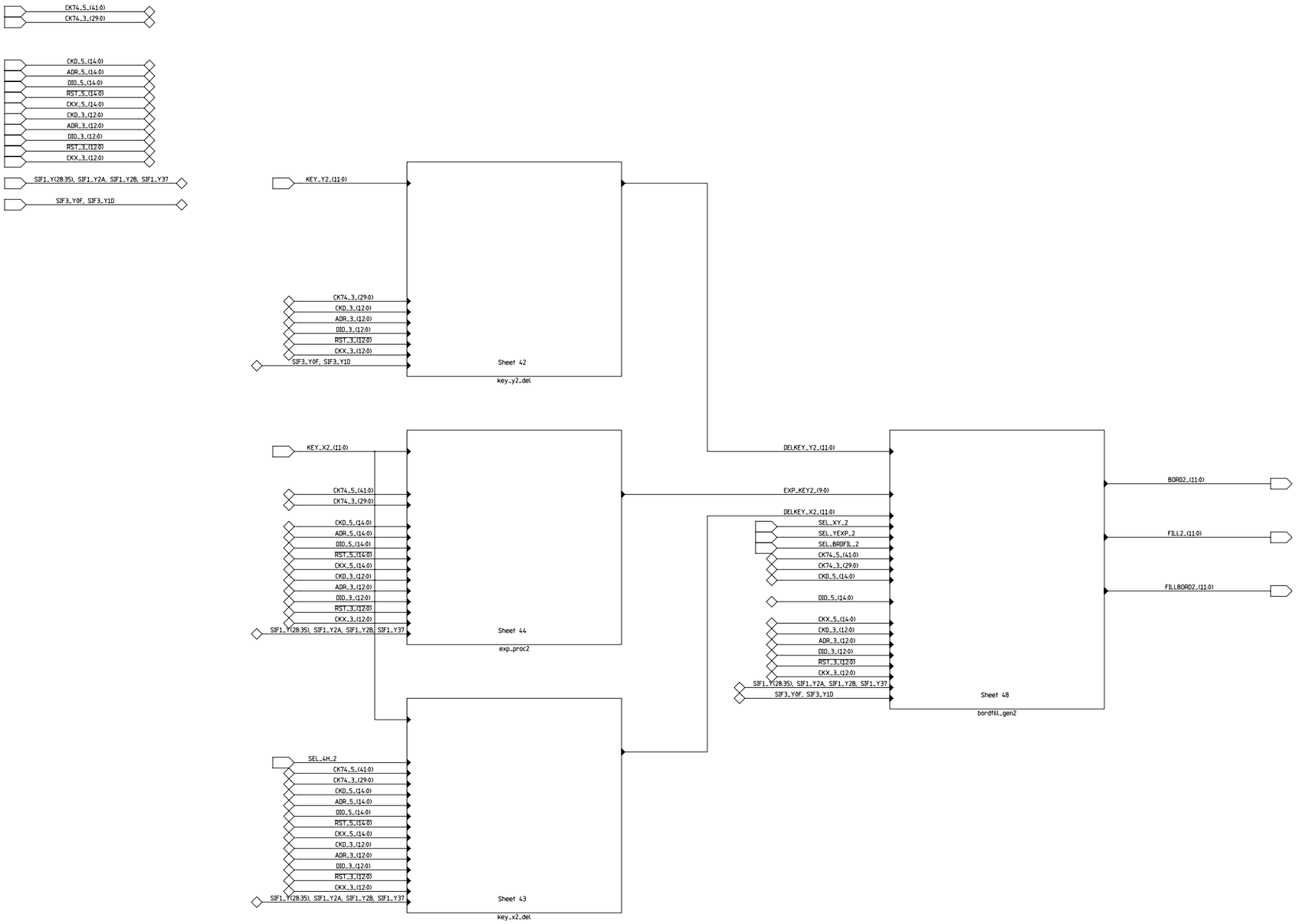


Key Processor Board

KPC-3 (40/50)

BOARD NO. 1-645-285-11

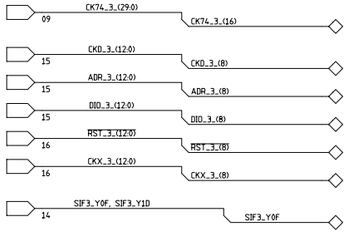
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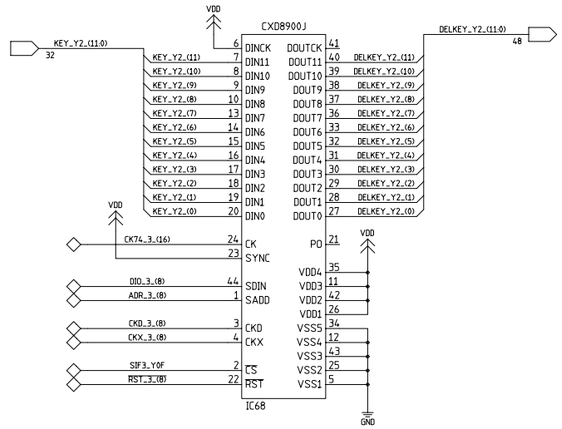


Key Processor Board
KPC-3 (41/50)
BOARD NO. 1-645-285-11

HDS-7000

KPC-3 (42/50)

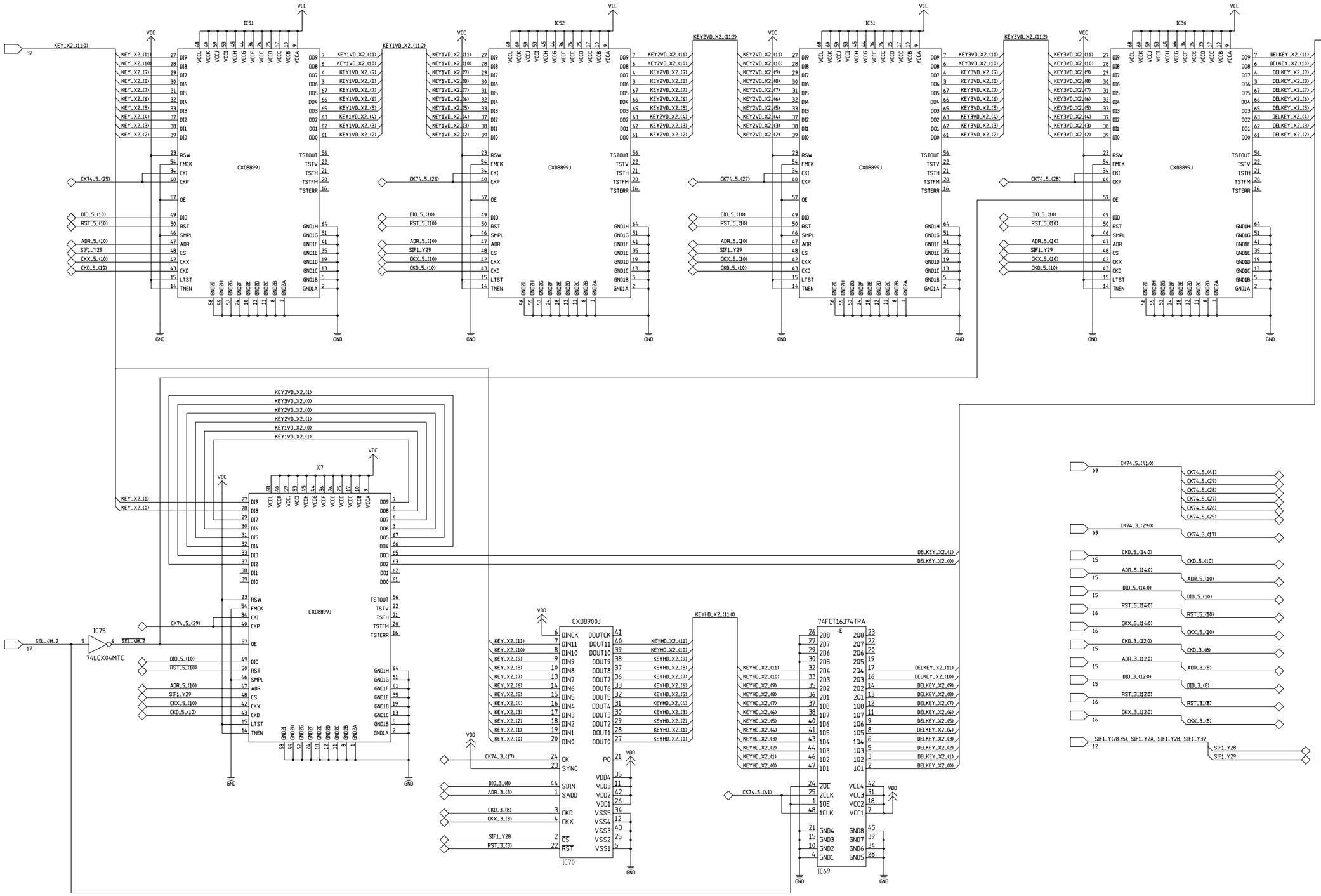




Key Processor Board
KPC-3 (42/50)
BOARD NO. 1-645-285-11

HDS-7000

HDS-7000



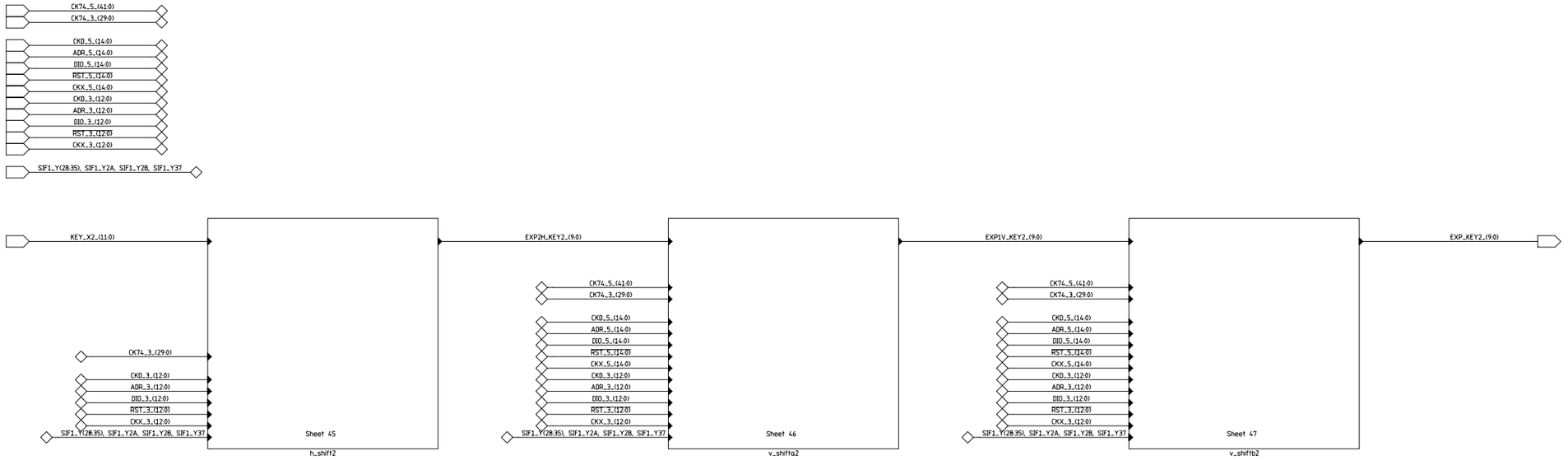
Key Processor Board

KPC-3 (43/50)

BOARD NO. 1-645-285-11

HDS-7000

KPC-3 (44/50)



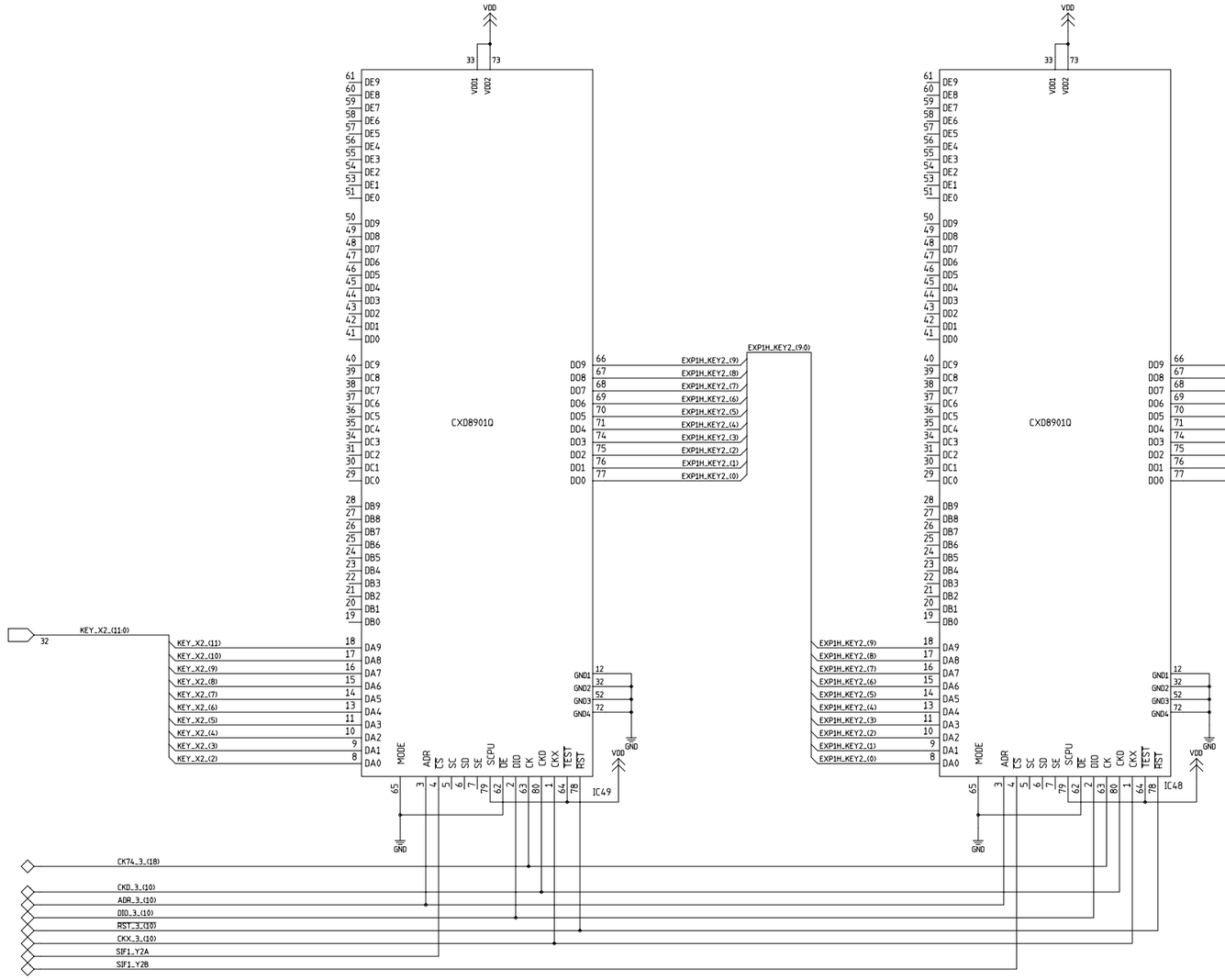
Key Processor Board
KPC-3 (44/50)
BOARD NO. 1-645-285-11

HDS-7000

HDS-7000

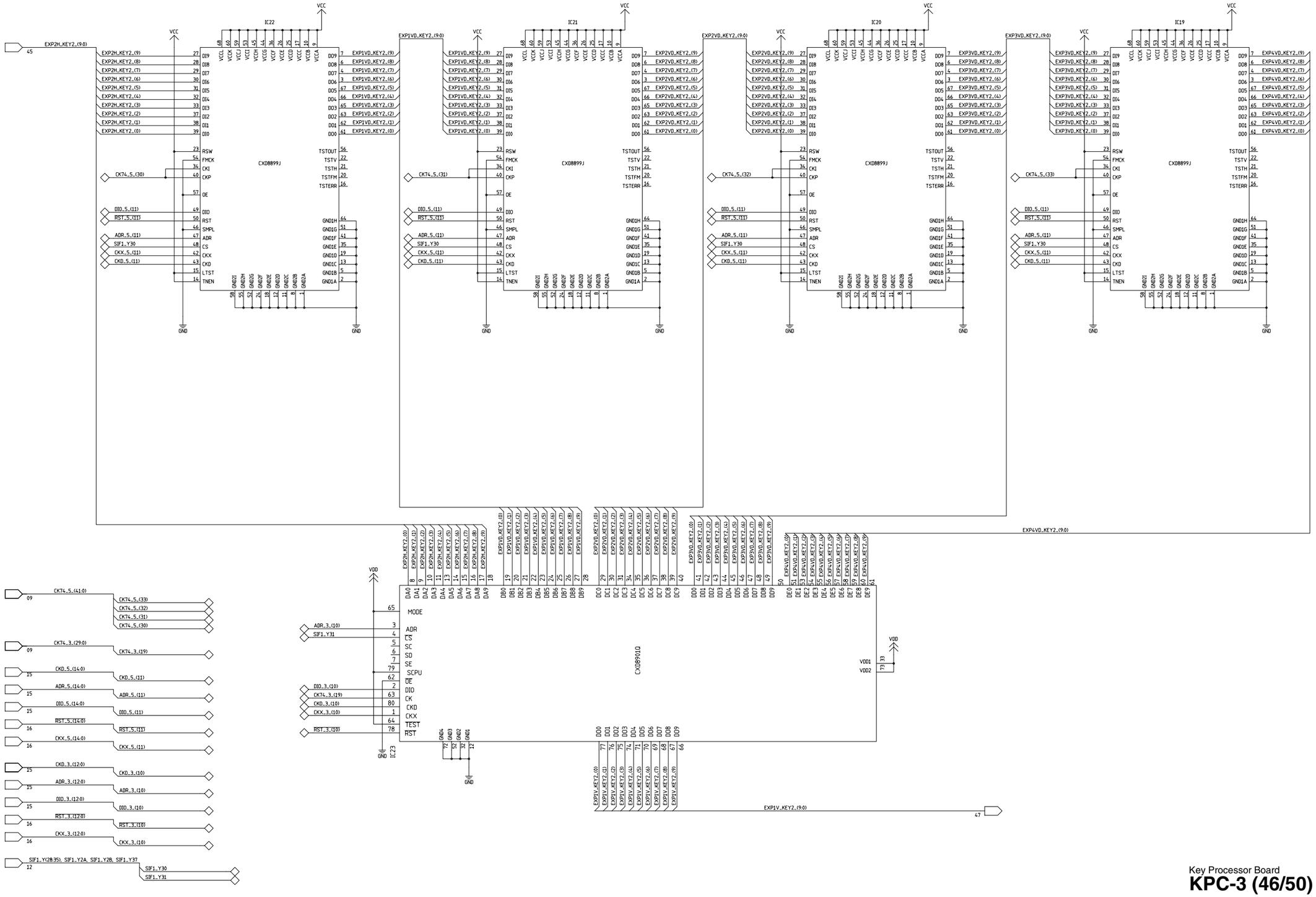
212

KPC-3 (45/50)



Key Processor Board
KPC-3 (45/50)
BOARD NO. 1-645-285-11

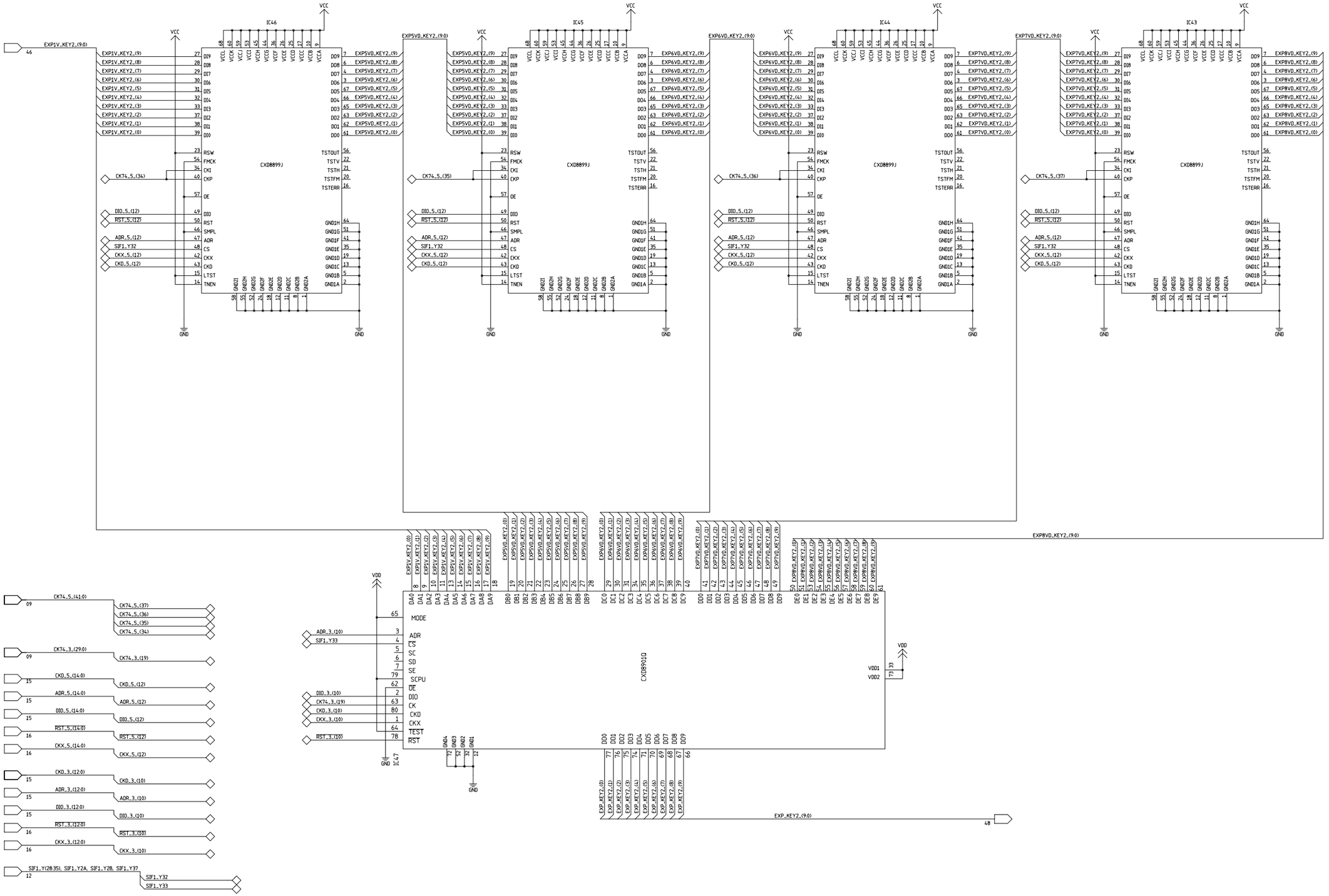
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Key Processor Board
KPC-3 (46/50)
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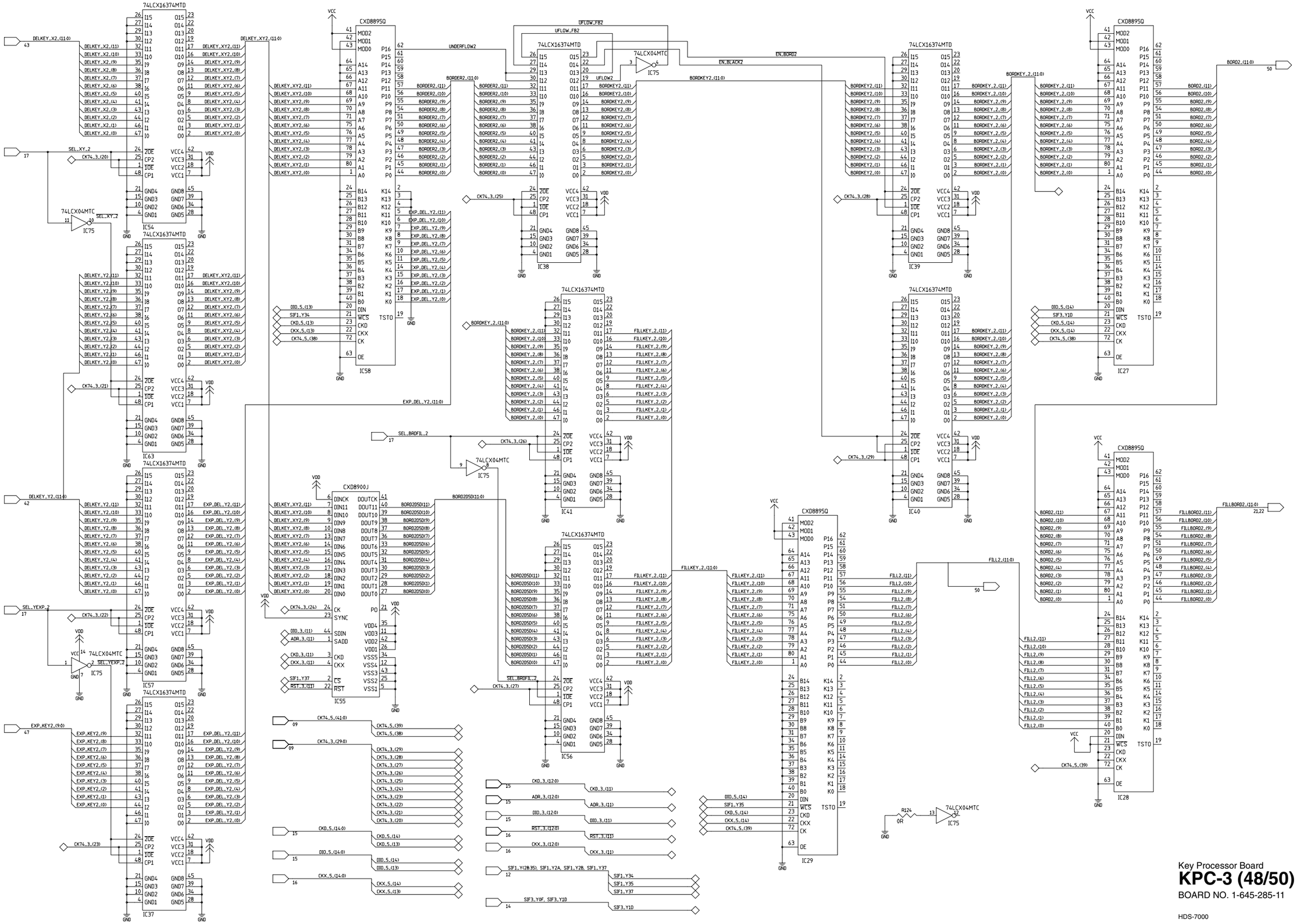
HDS-7000

KPC-3 (47/50)



Key Processor Board
KPC-3 (47/50)
BOARD NO. 1-645-285-11

HDS-7000

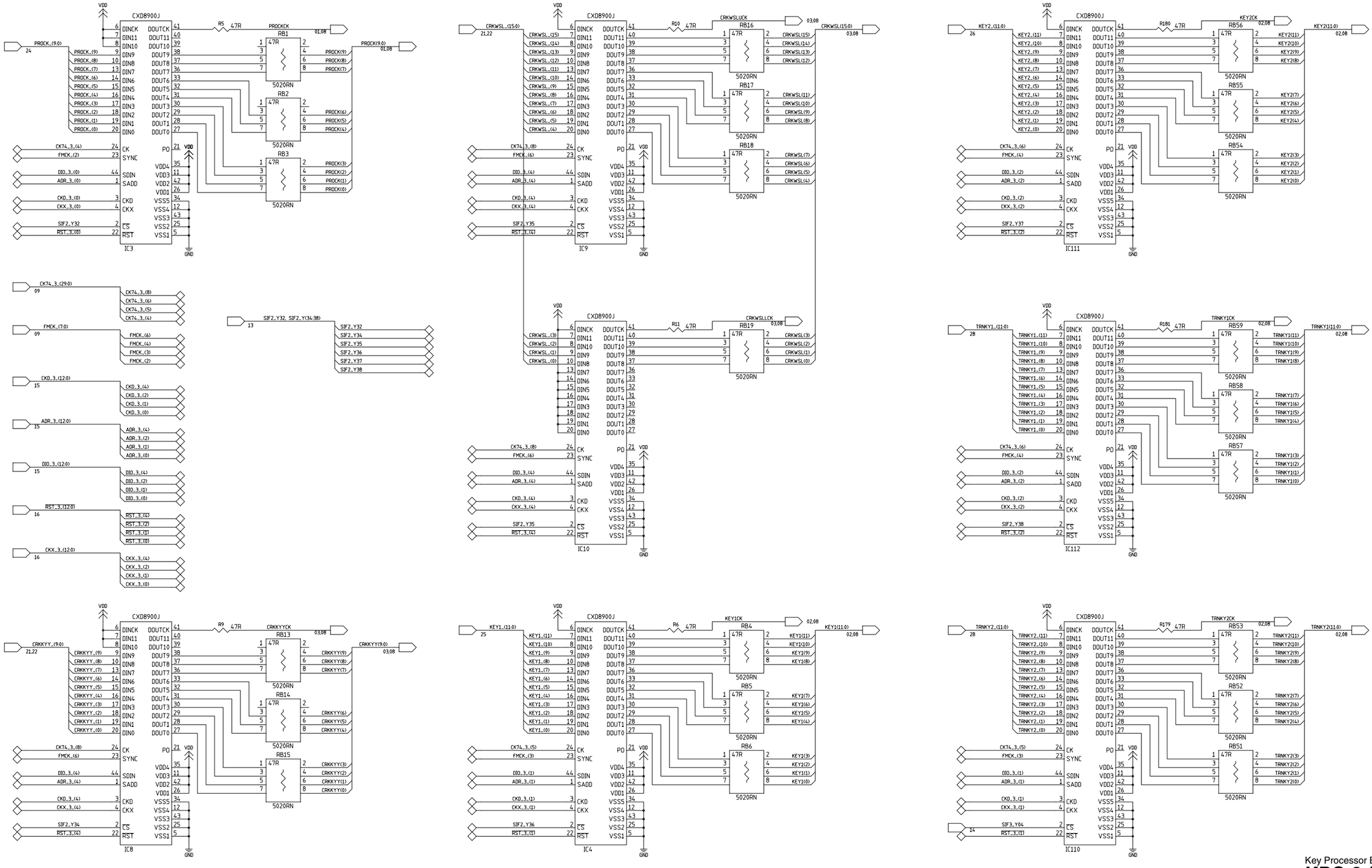


Key Processor Board

KPC-3 (48/50)

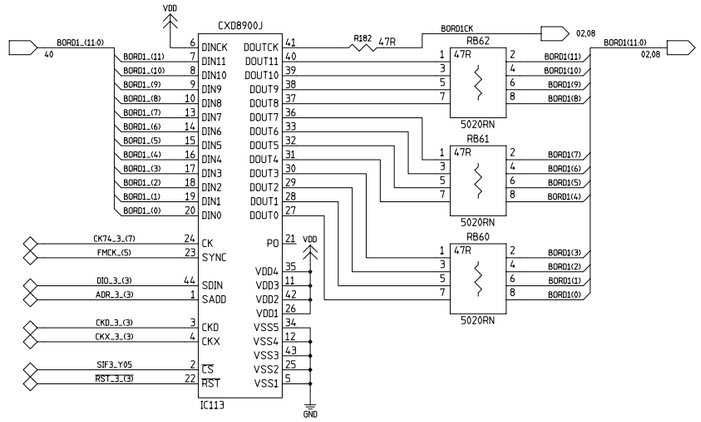
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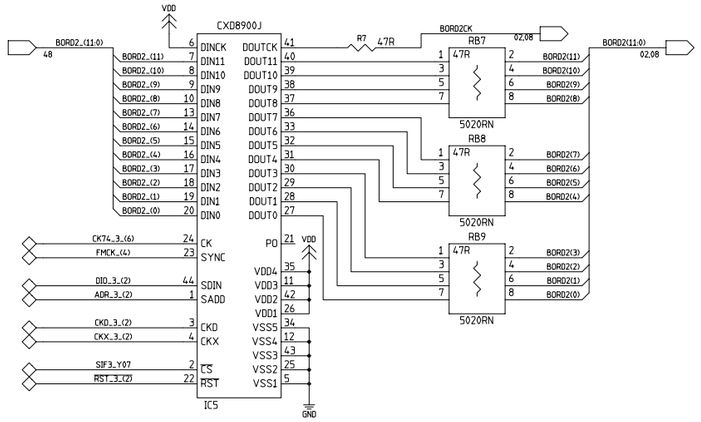
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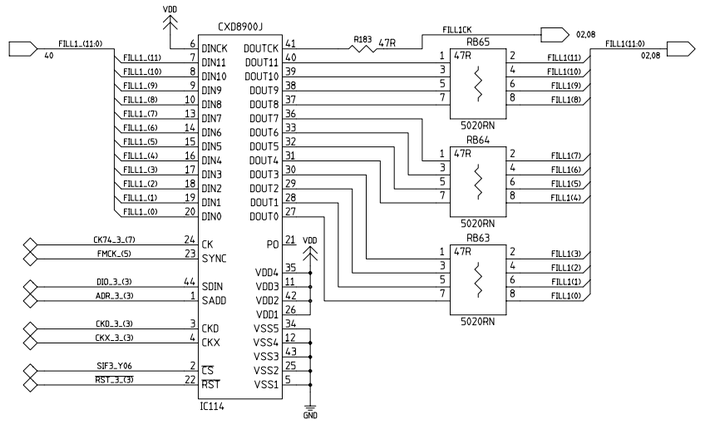


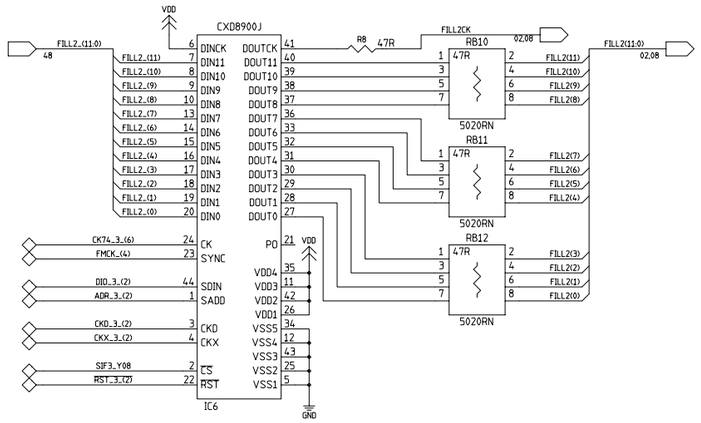
Key Processor Board
KPC-3 (49/50)
BOARD NO. 1-645-285-11

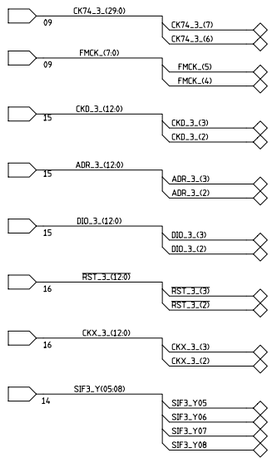
HDS-7000





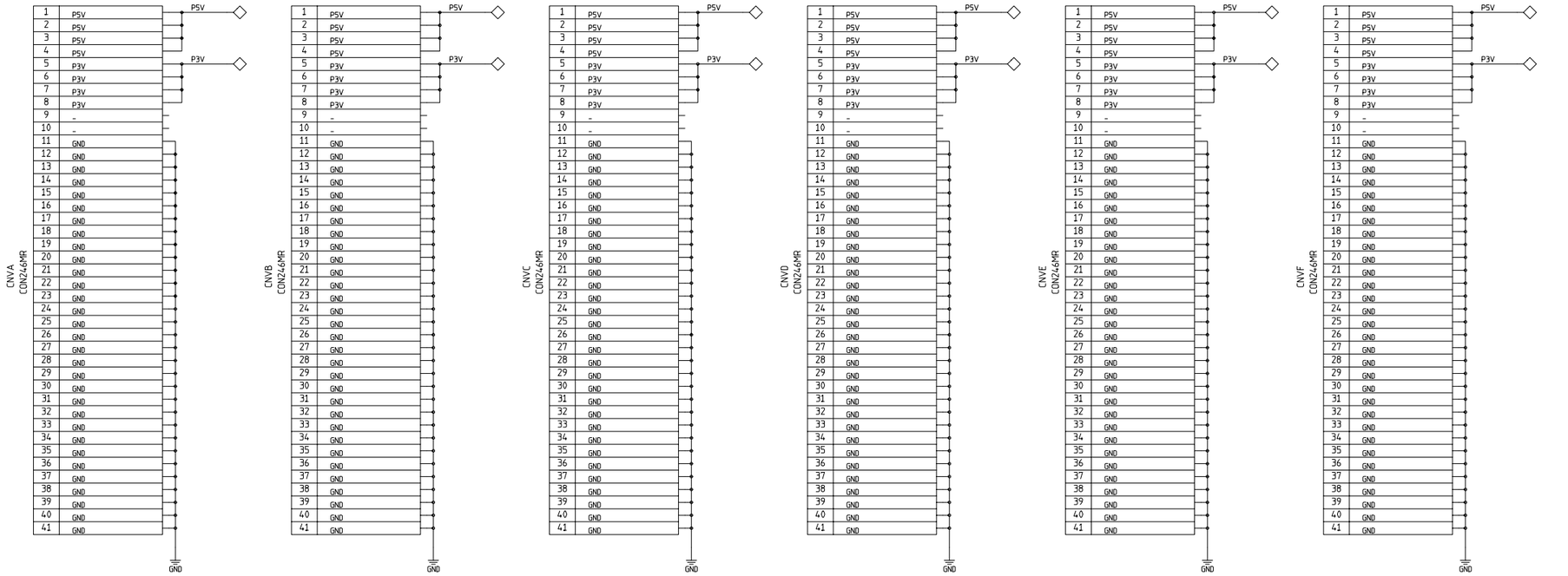


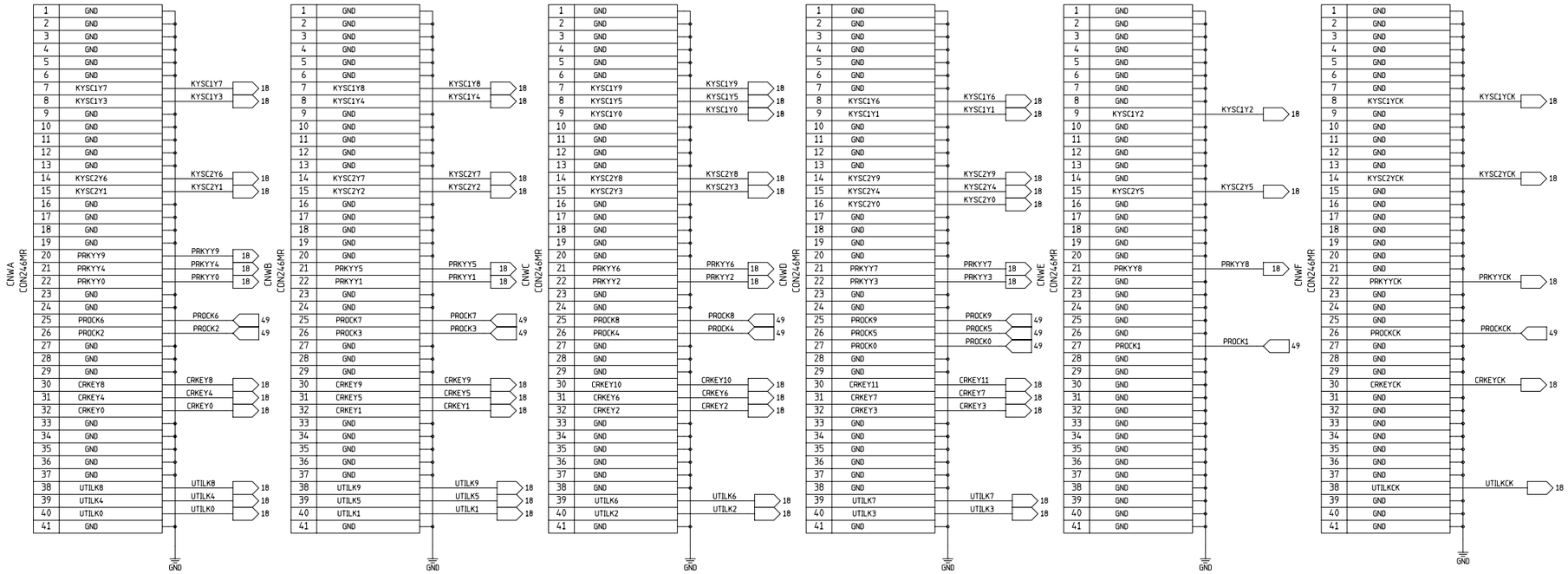




Key Processor Board
KPC-3 (50/50)
BOARD NO. 1-645-285-11

HDS-7000

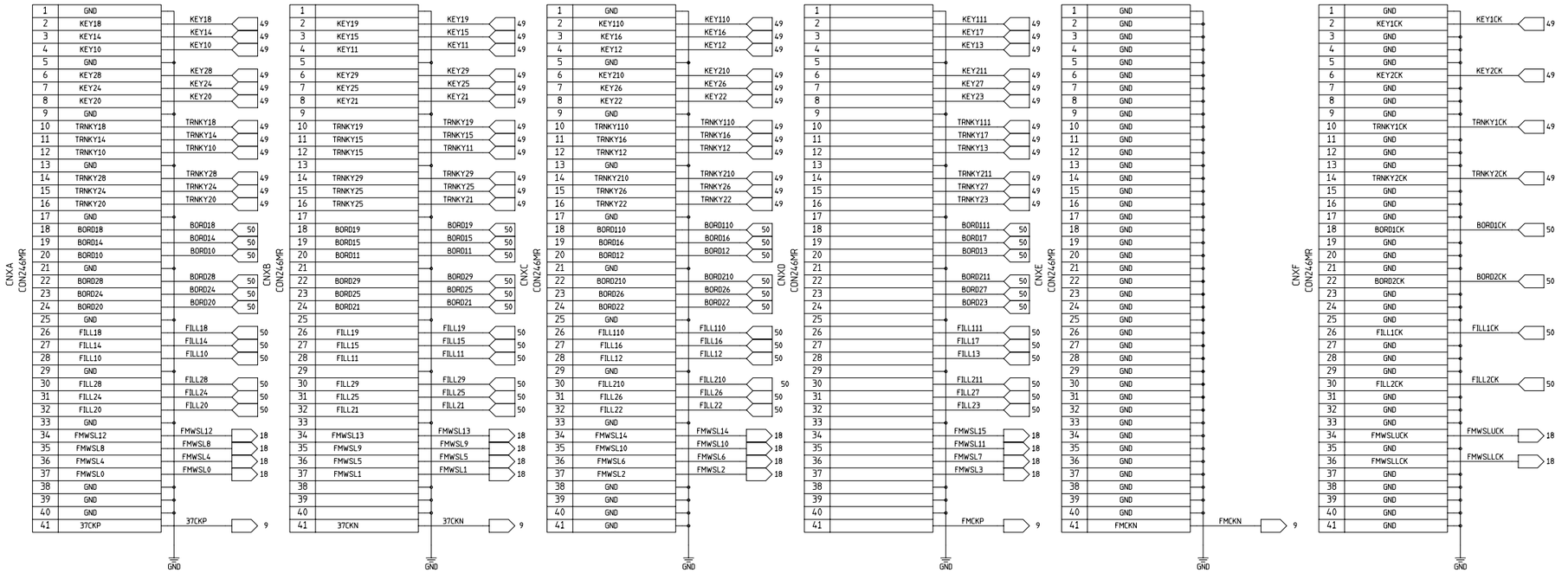


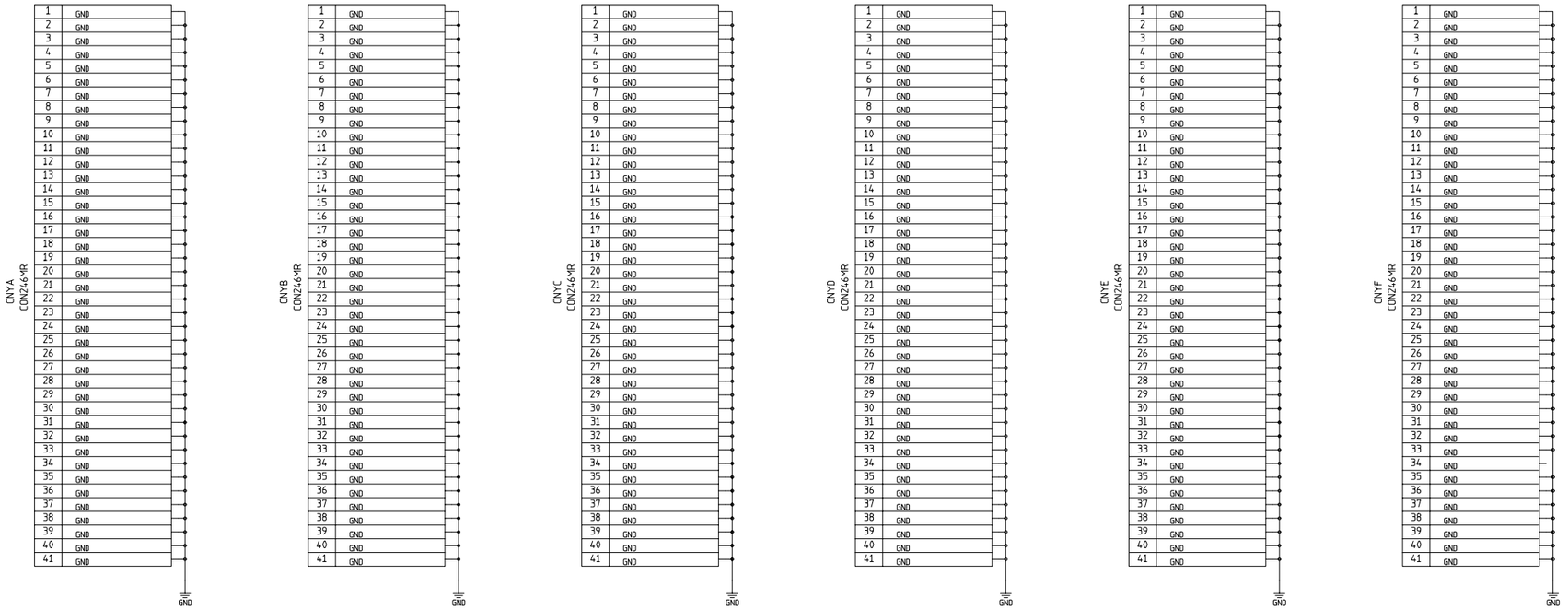


Key Processor Board
KPC-15 (1/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (2/50)

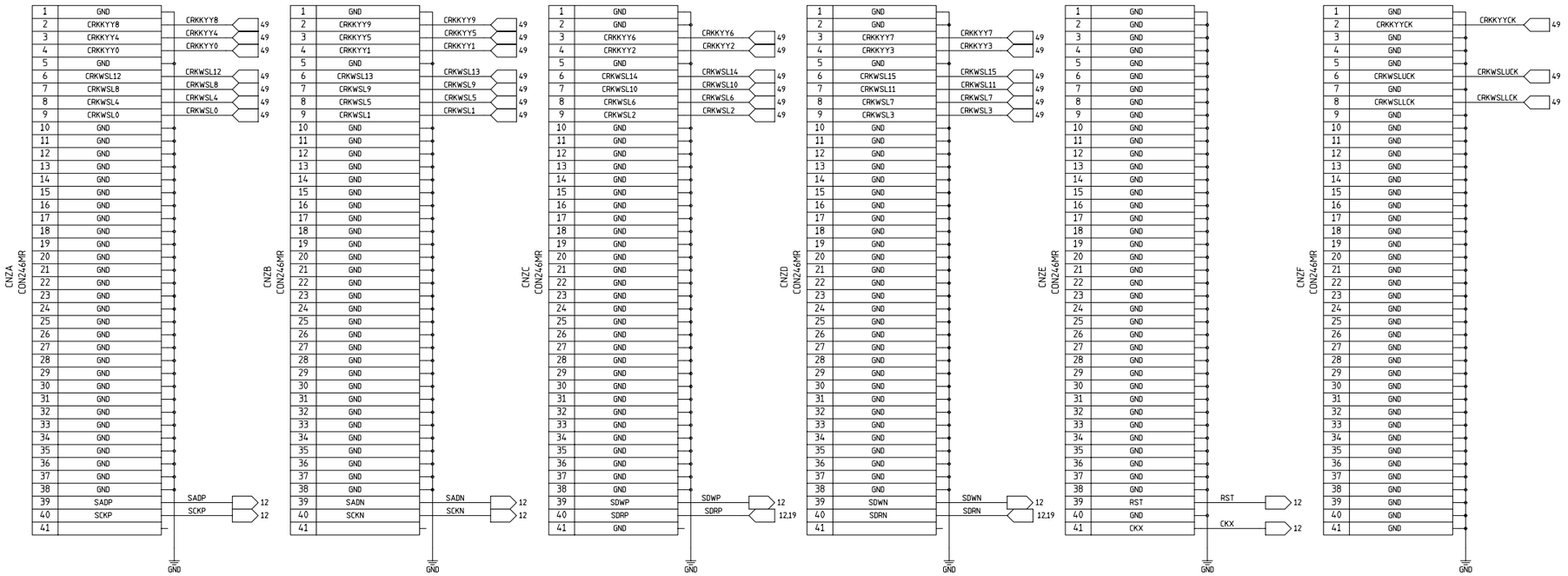




Key Processor Board
KPC-15 (2/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (3/50)



1

2

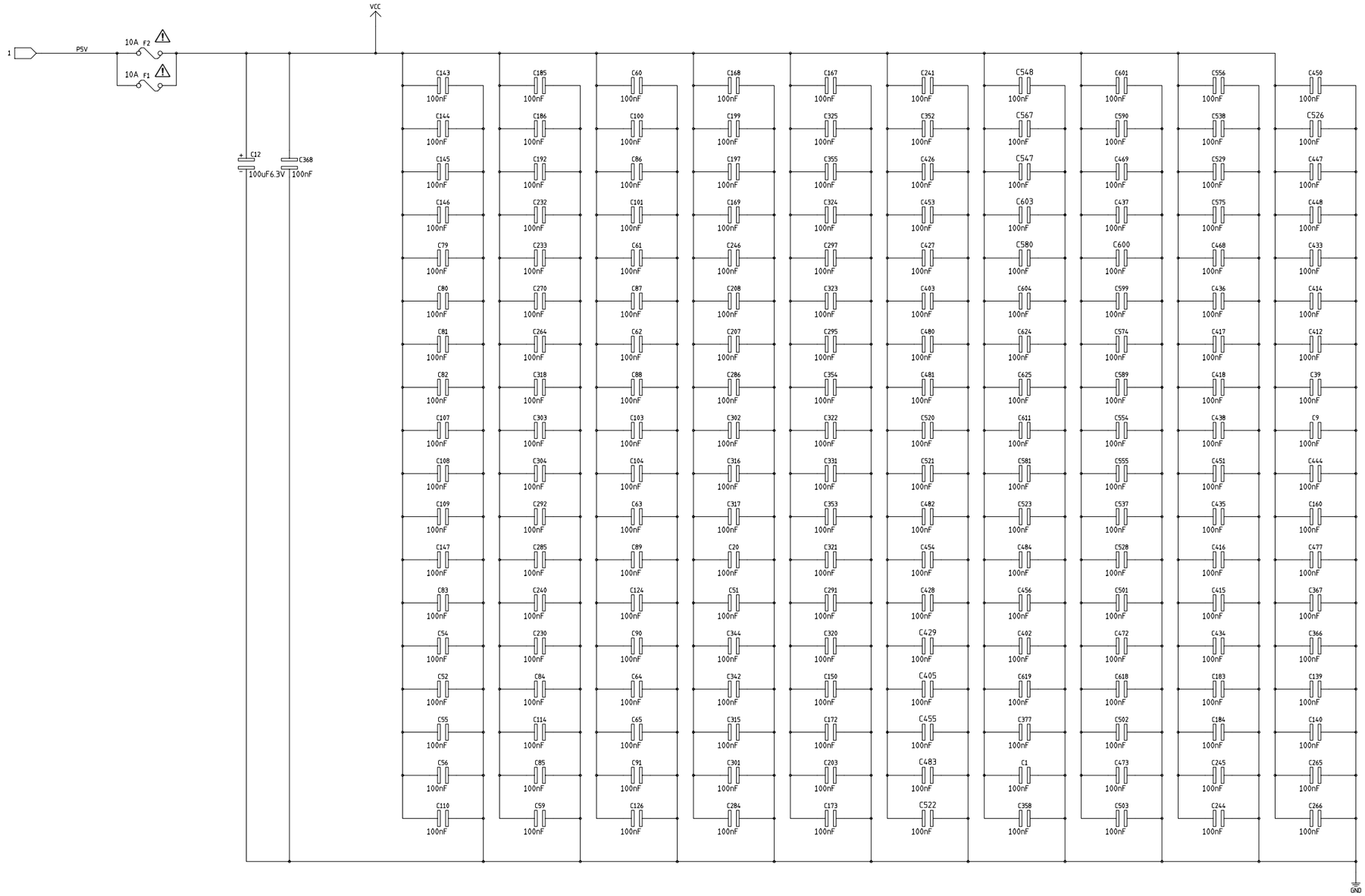
3

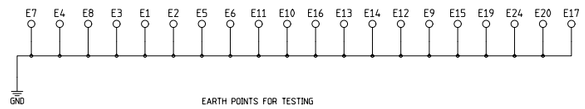
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5

Key Processor Board
KPC-15 (3/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150





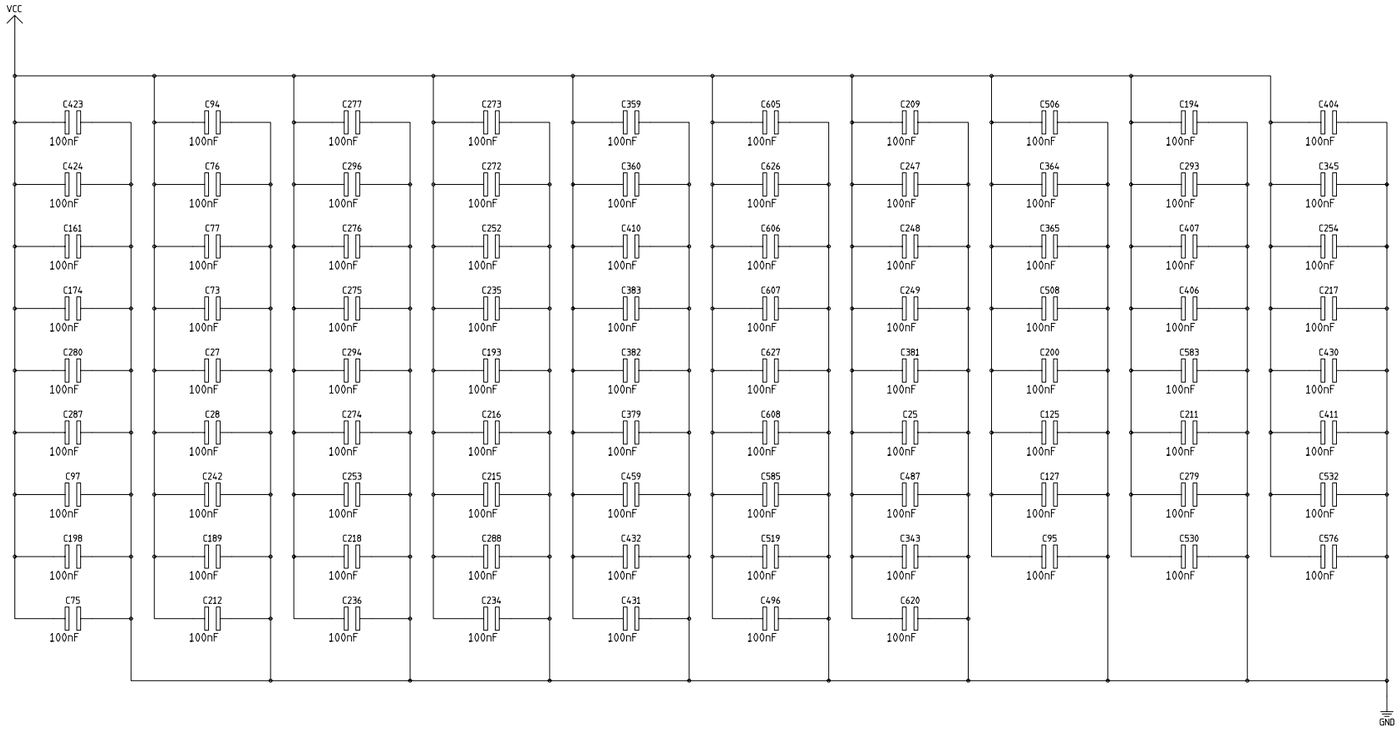
Key Processor Board

KPC-15 (4/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

HDS-7000



1

2

3

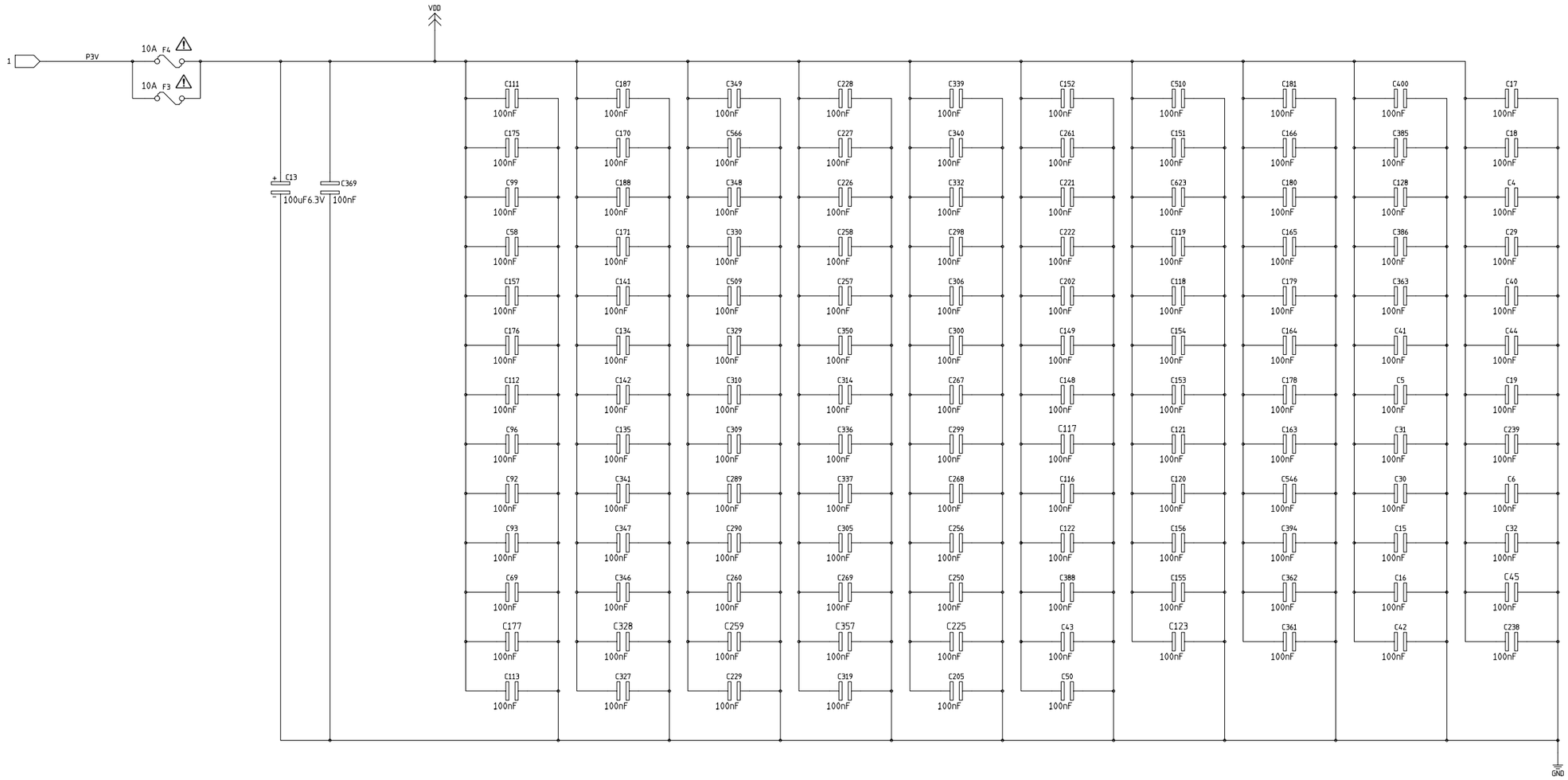
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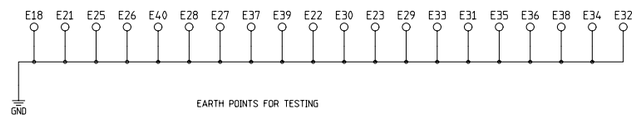
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Key Processor Board
KPC-15 (5/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (6/50)

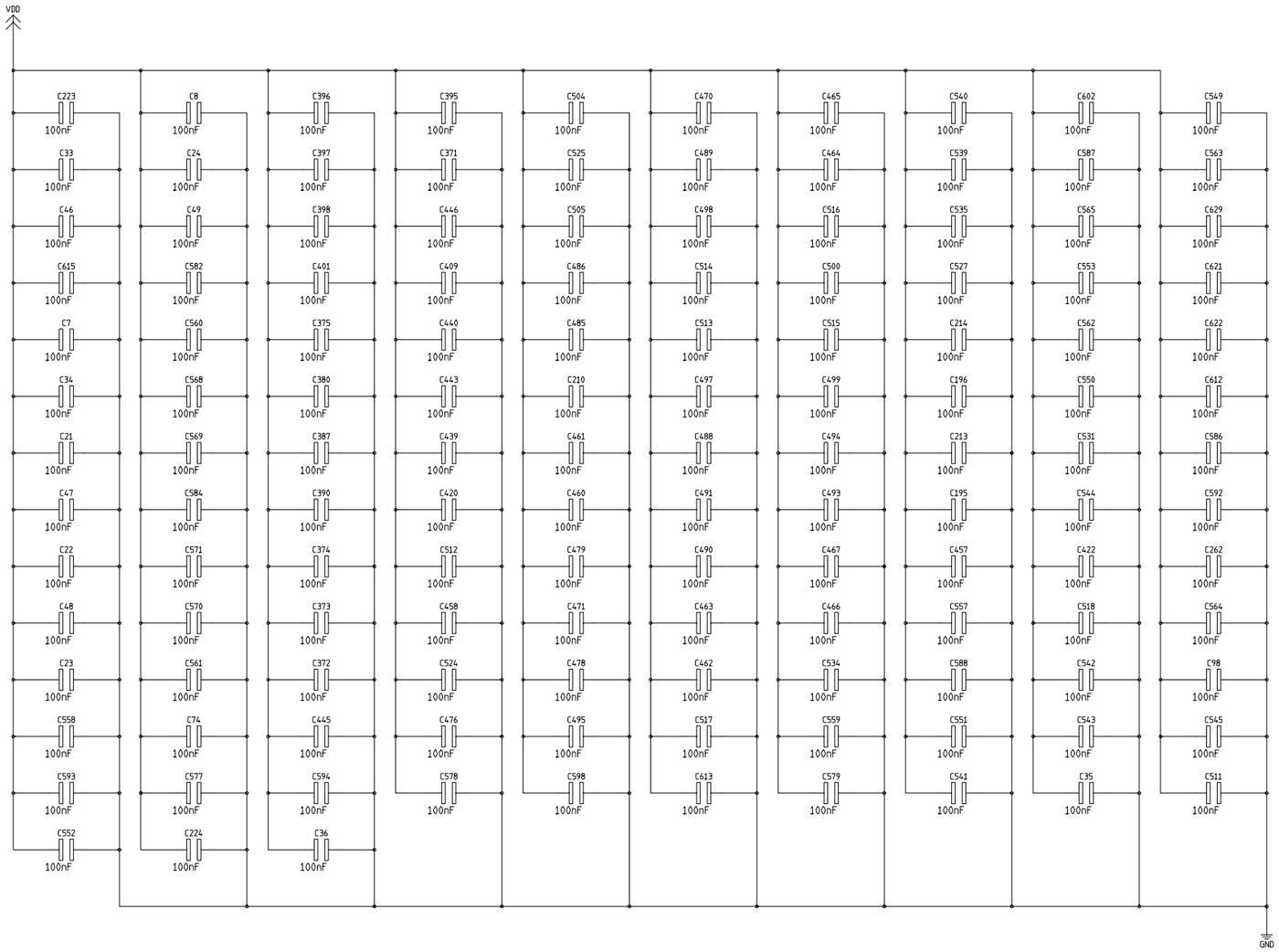




Key Processor Board
KPC-15 (6/50)
BOARD NO. 1-674-371-11

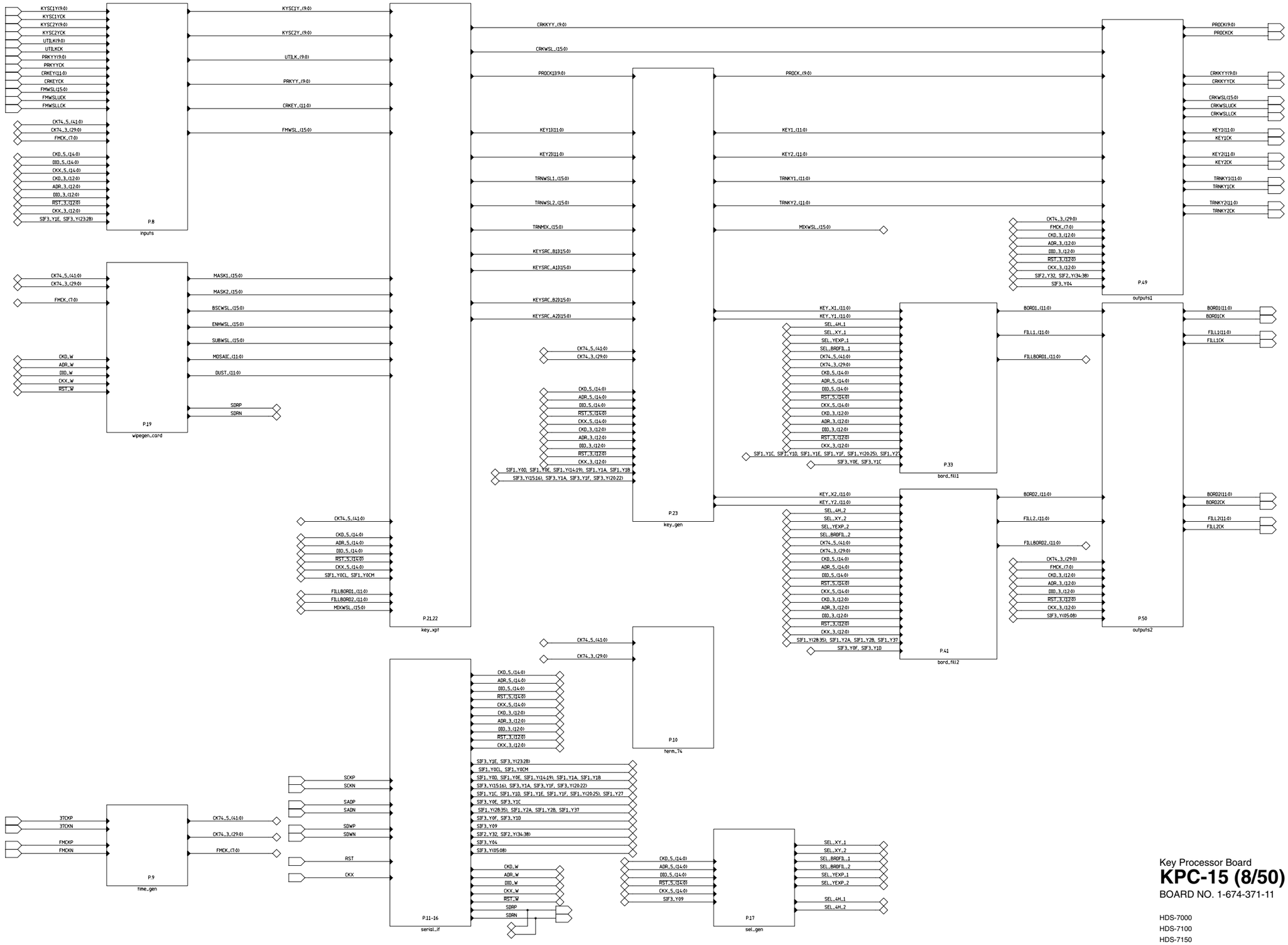
HDS-7000
HDS-7100
HDS-7150

KPC-15 (7/50)



Key Processor Board
KPC-15 (7/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

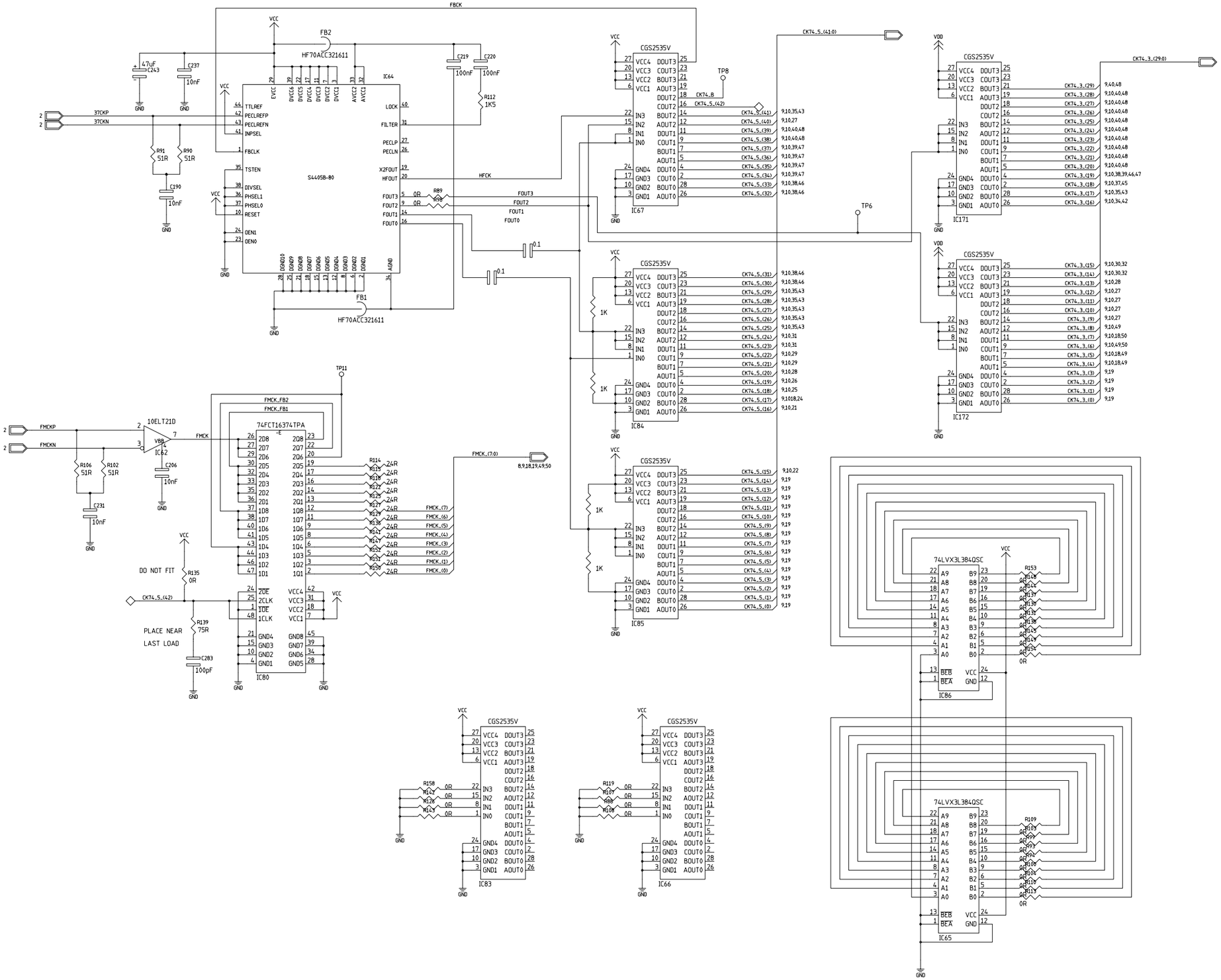


Key Processor Board

KPC-15 (8/50)

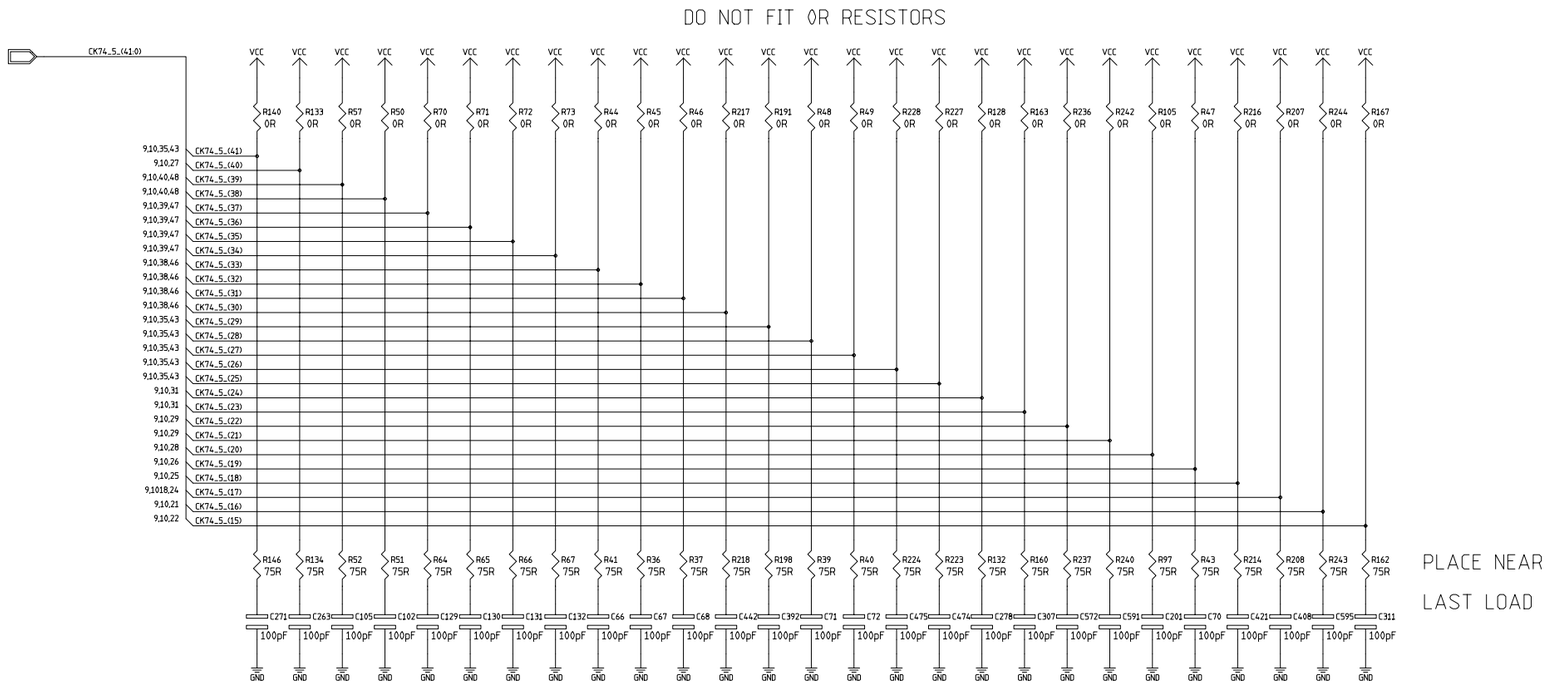
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150



Key Processor Board
KPC-15 (9/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

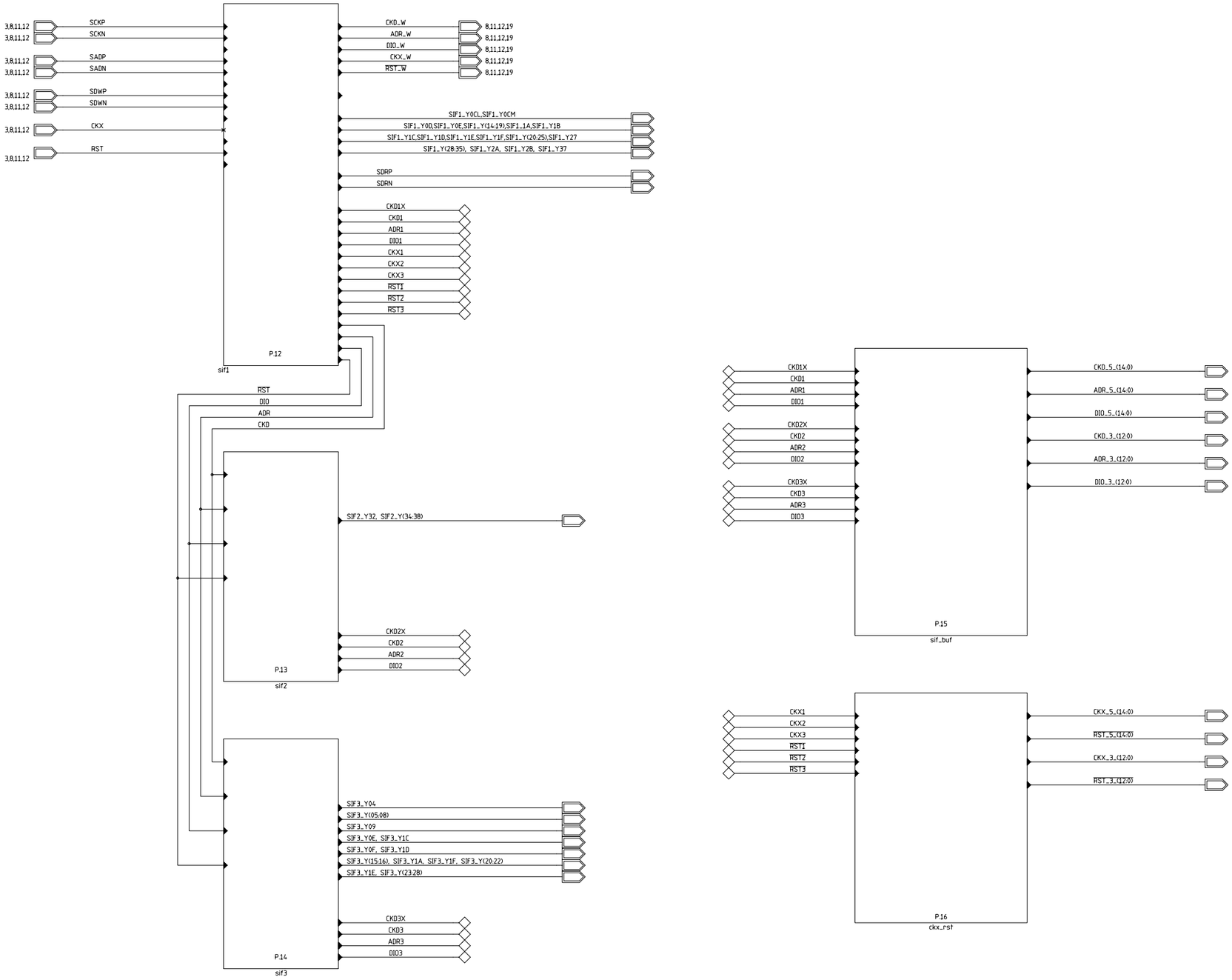


Key Processor Board

KPC-15 (10/50)

BOARD NO. 1-674-371-11

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HDS-7100
HDS-7150

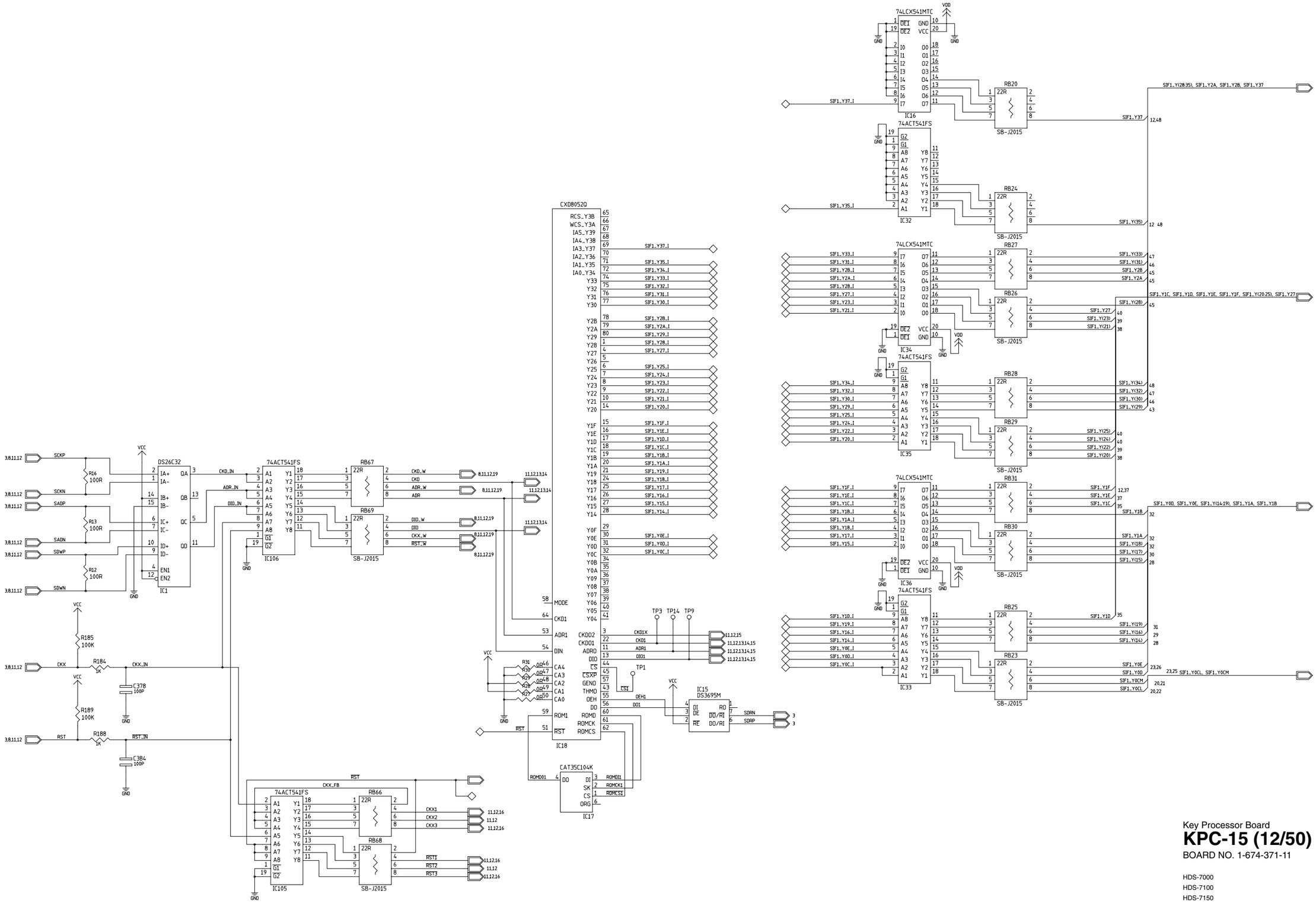


Key Processor Board

KPC-15 (11/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150



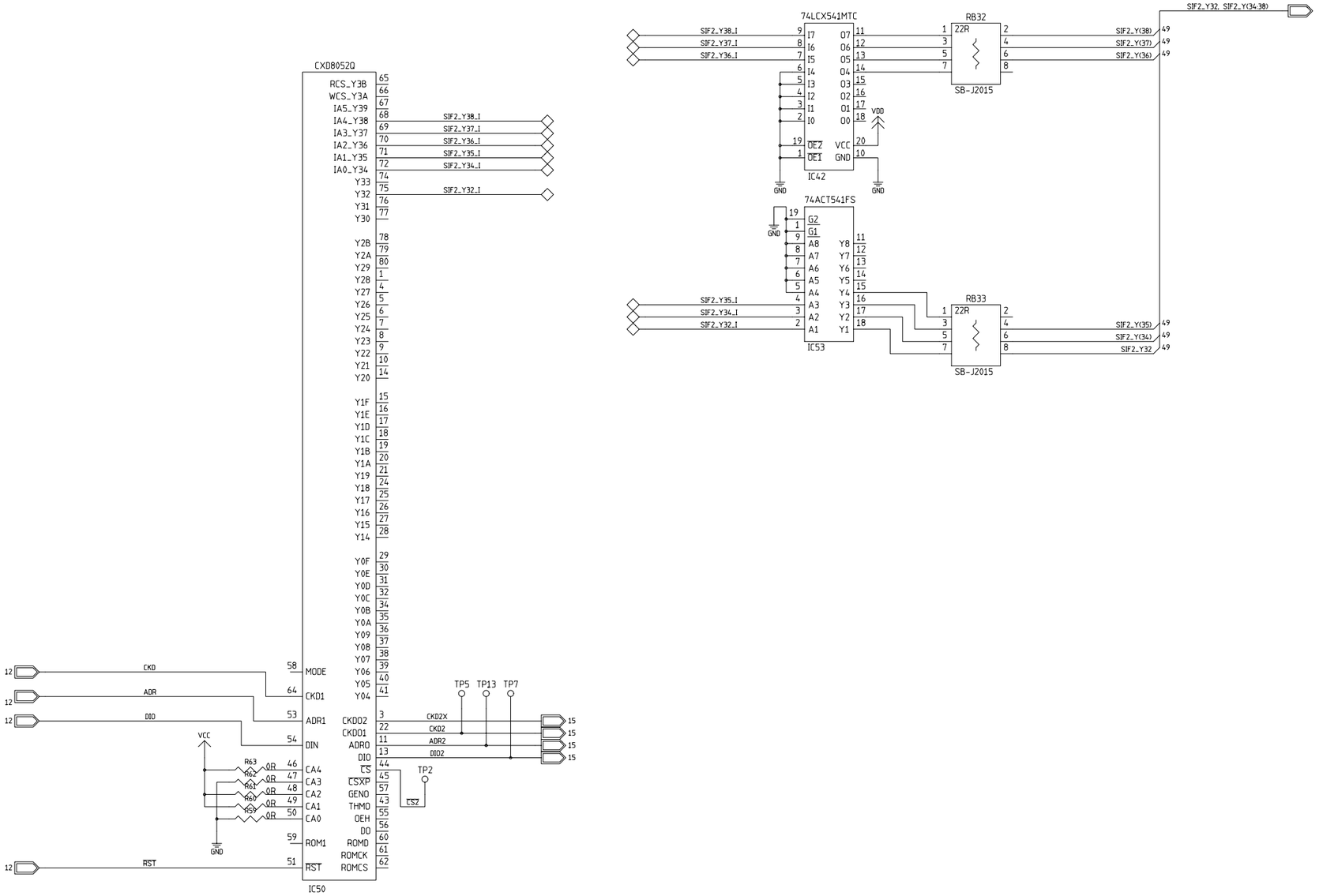
Key Processor Board

KPC-15 (12/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

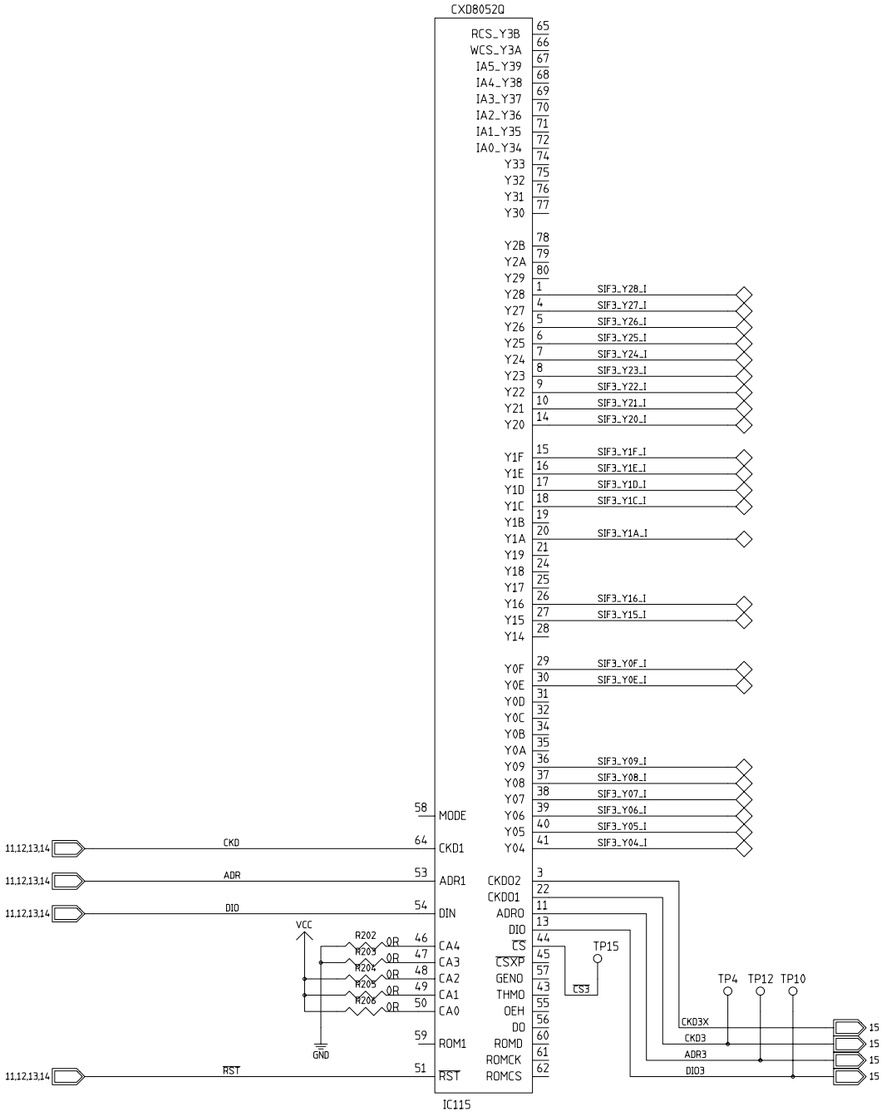
KPC-15 (13/50)

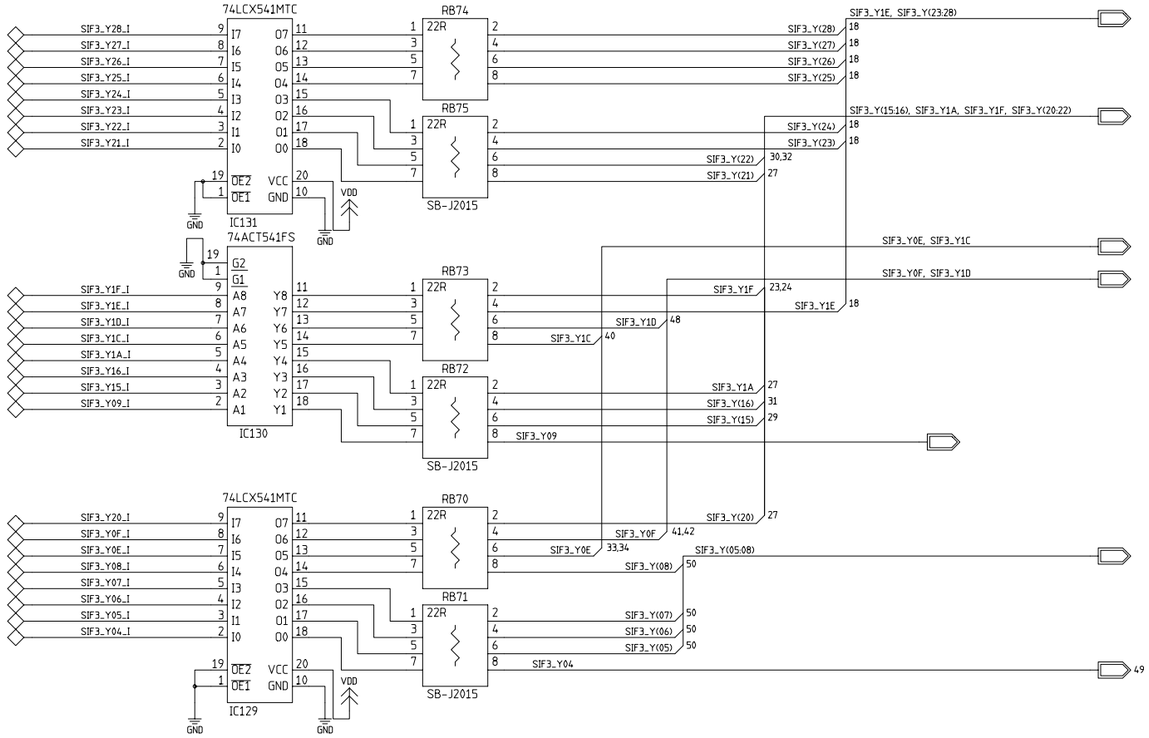


Key Processor Board
KPC-15 (13/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

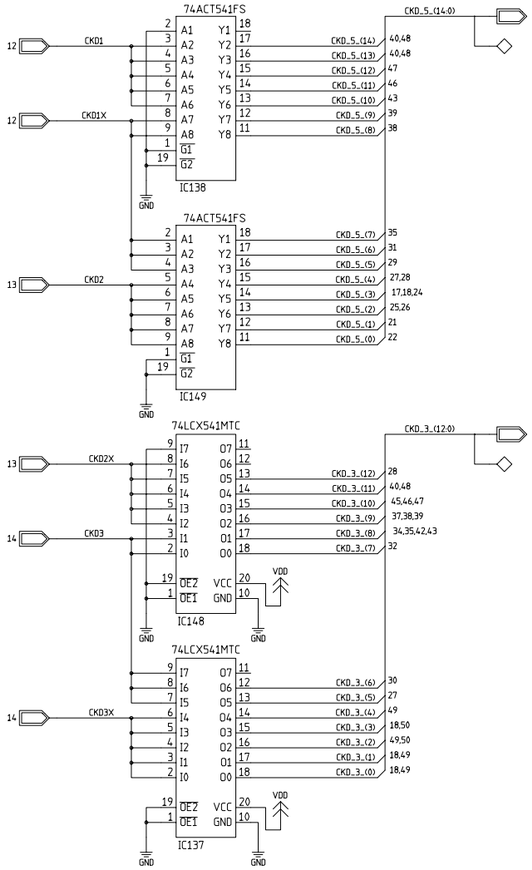
KPC-15 (14/50)

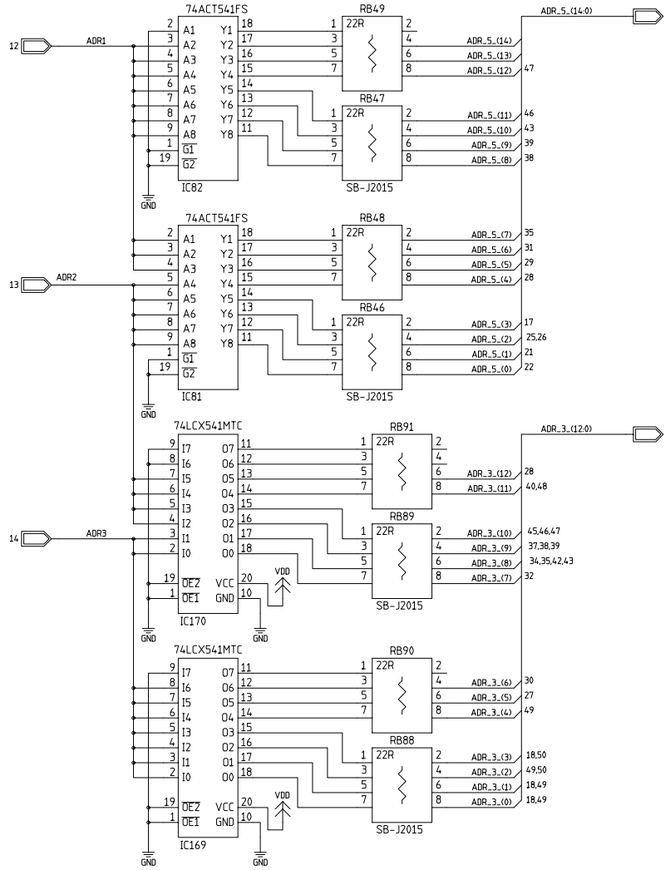


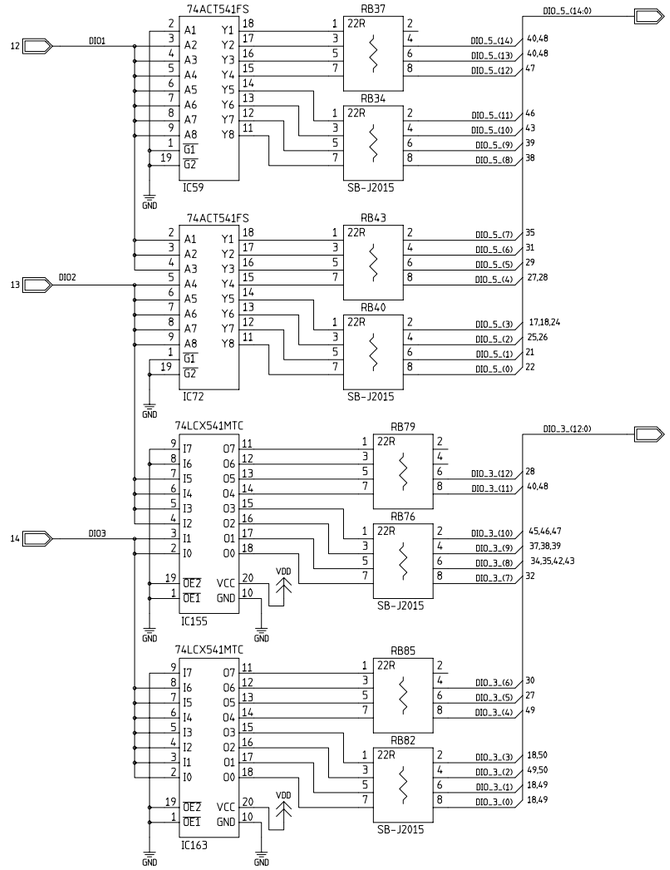


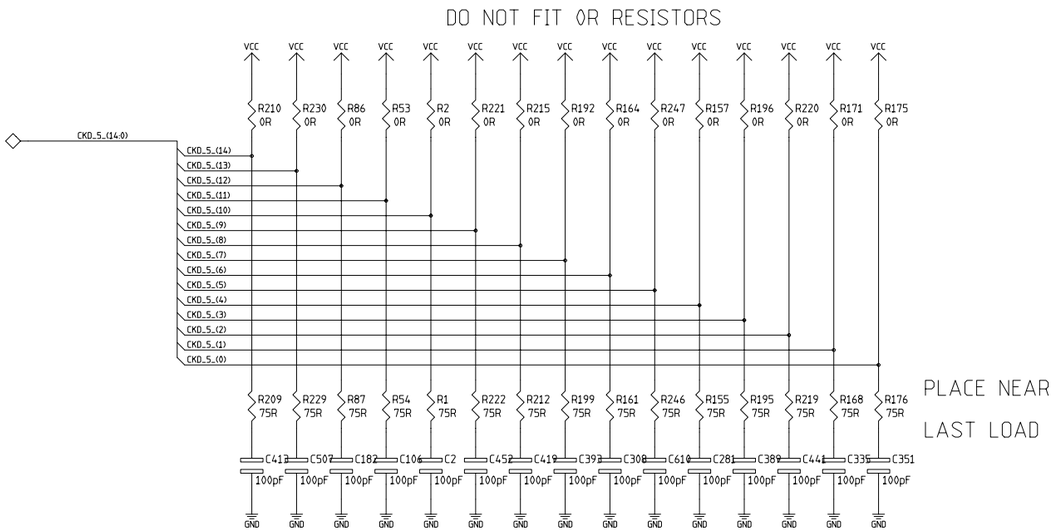
Key Processor Board
KPC-15 (14/50)
BOARD NO. 1-674-371-11

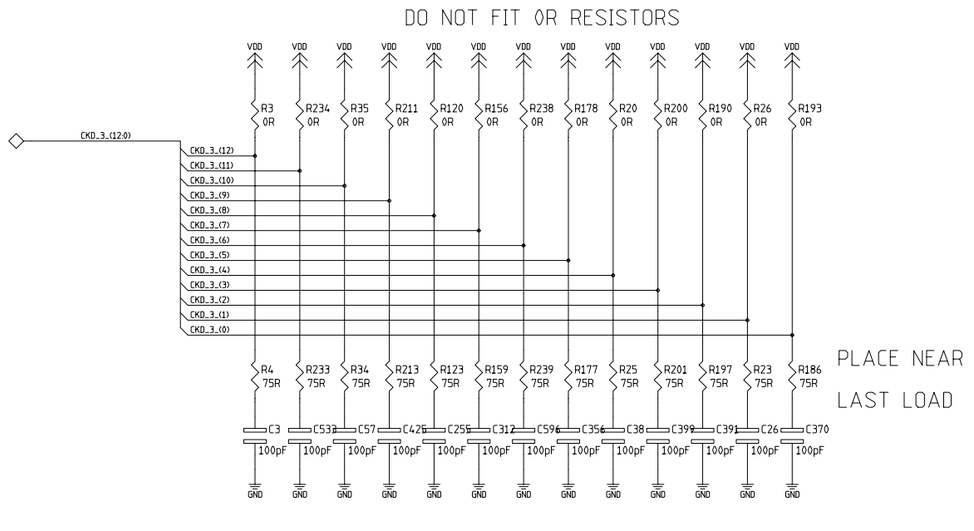
HDS-7000
HDS-7100
HDS-7150









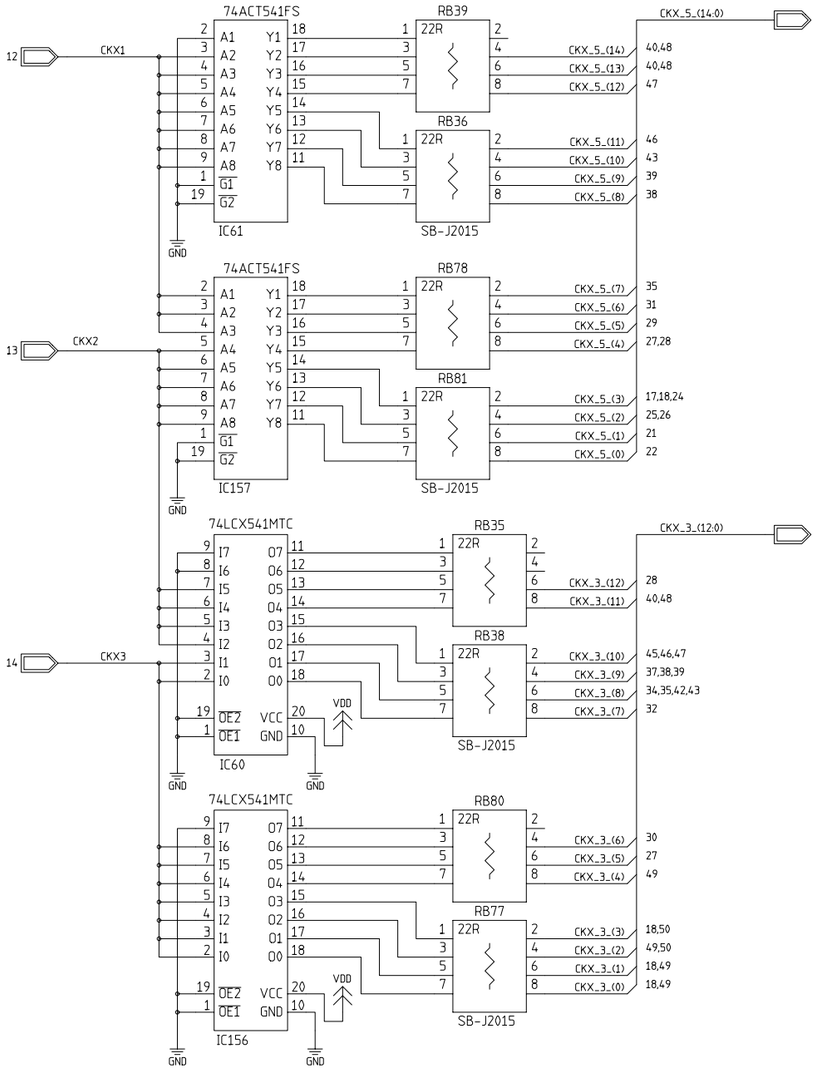


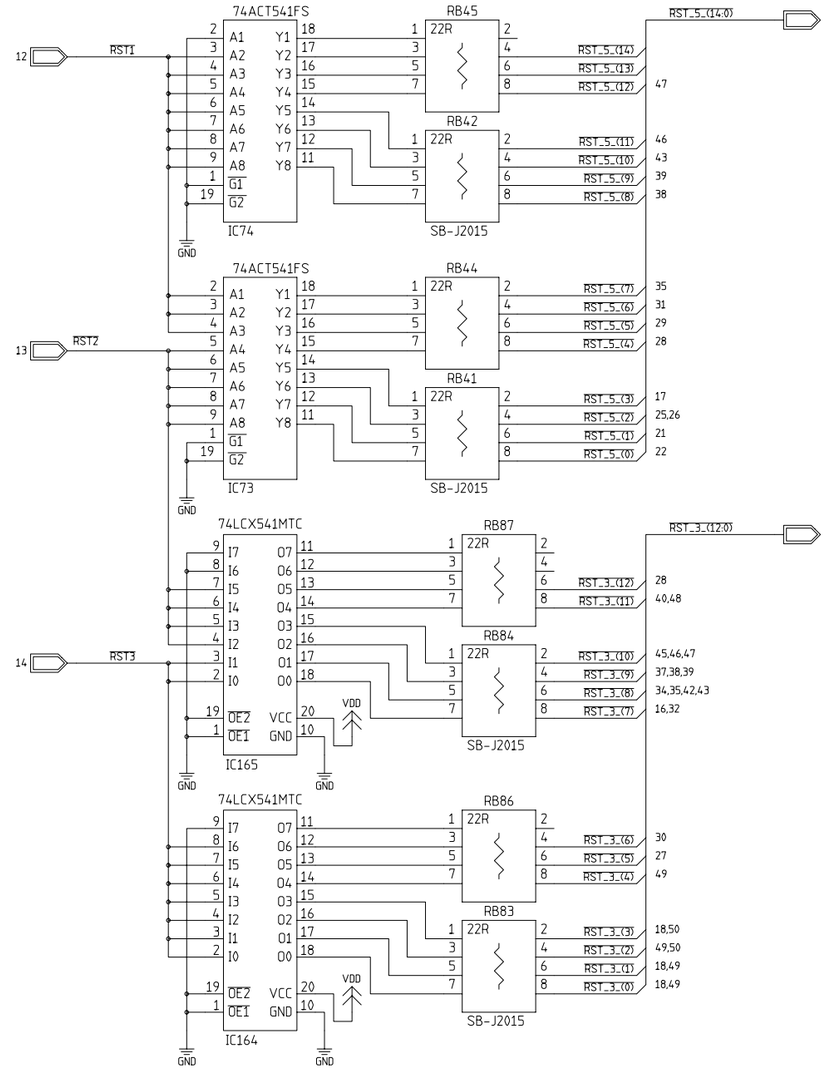
Key Processor Board

KPC-15 (15/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

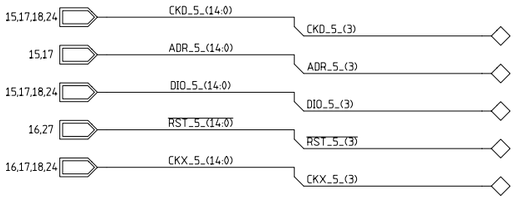


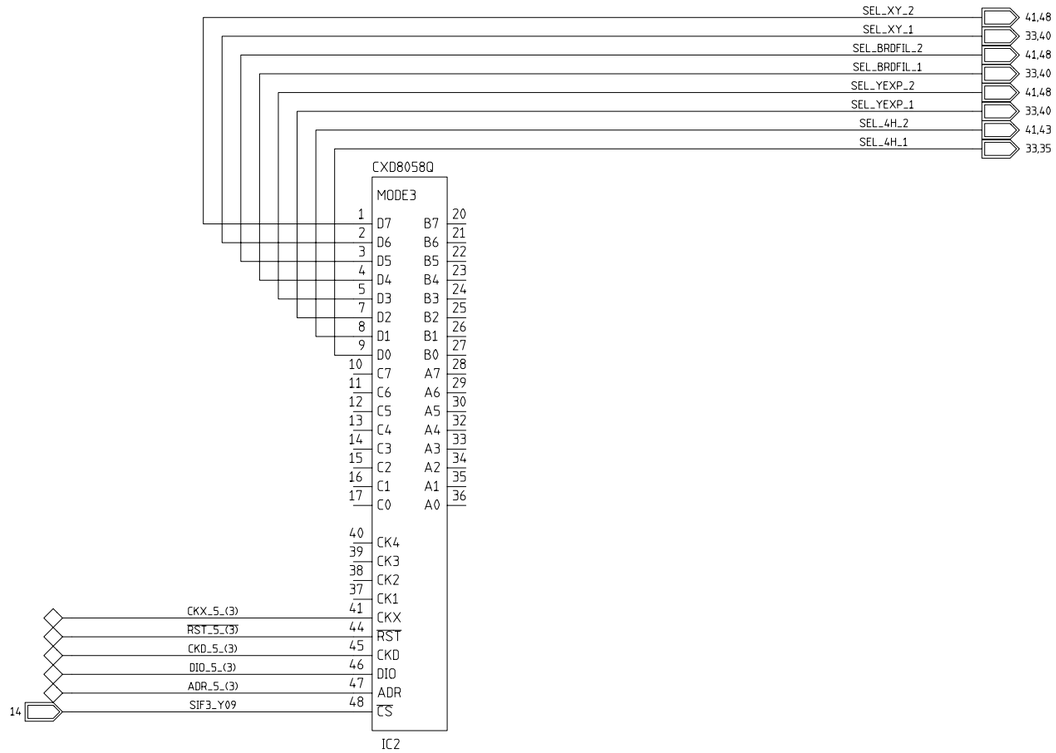


Key Processor Board
KPC-15 (16/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (17/50)

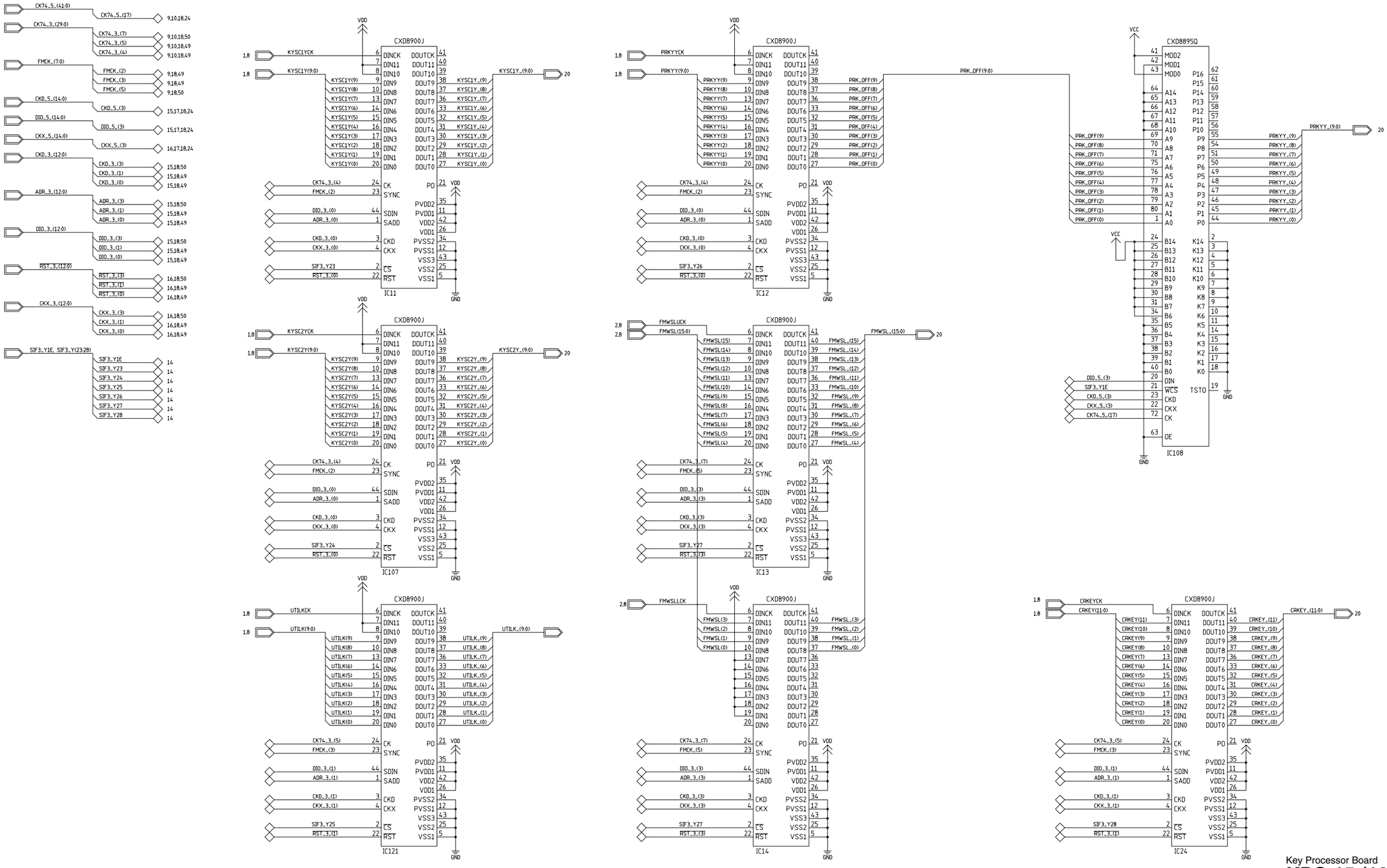




Key Processor Board
KPC-15 (17/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (18/50)



Key Processor Board

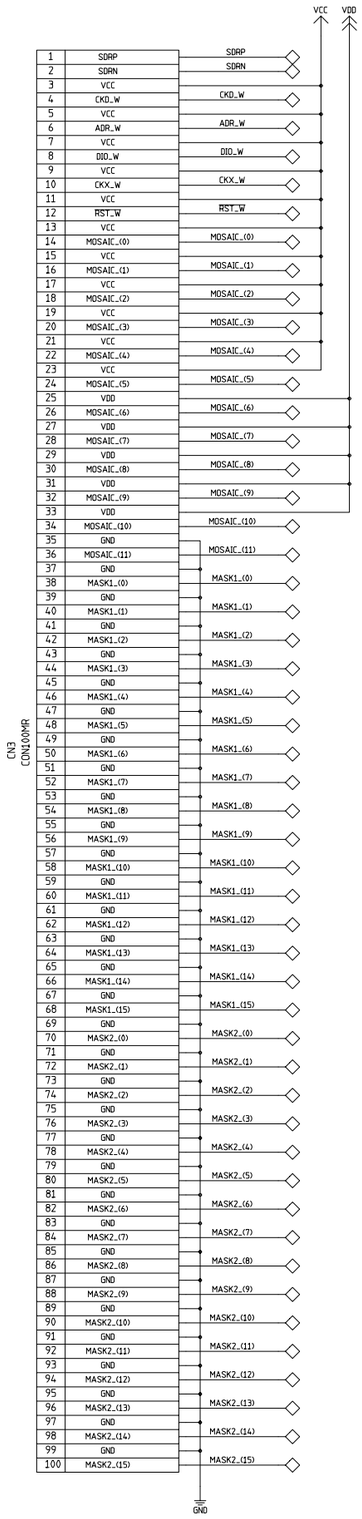
KPC-15 (18/50)

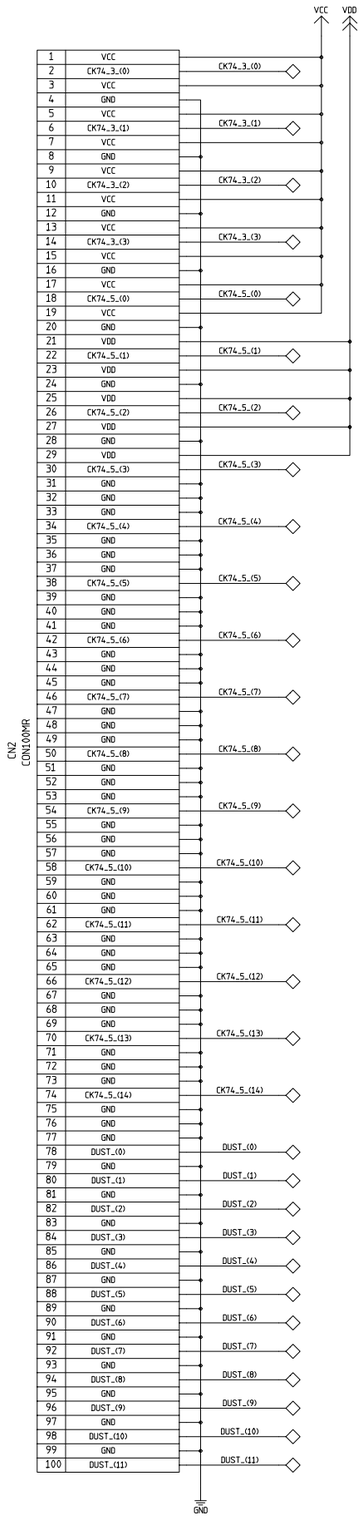
BOARD NO. 1-674-371-11

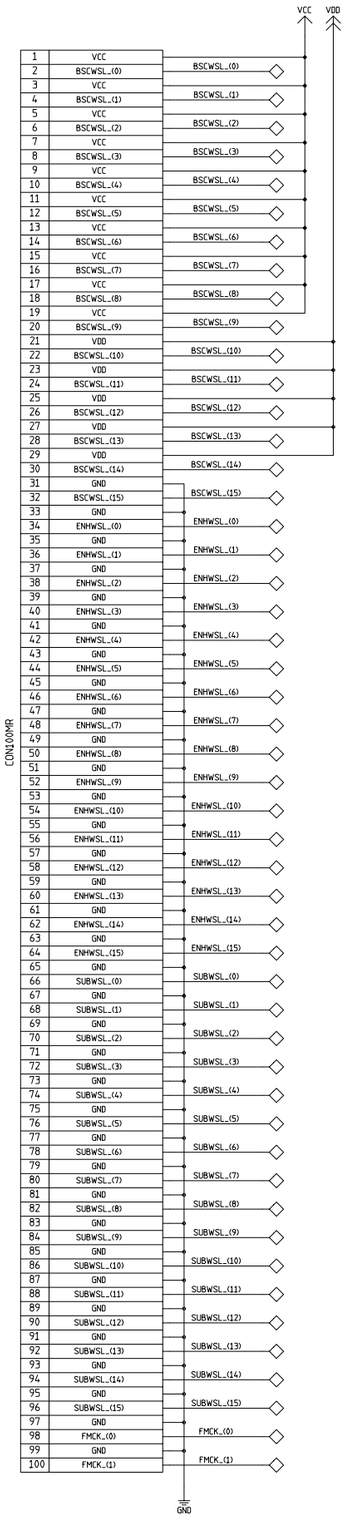
HDS-7000
HDS-7100
HDS-7150

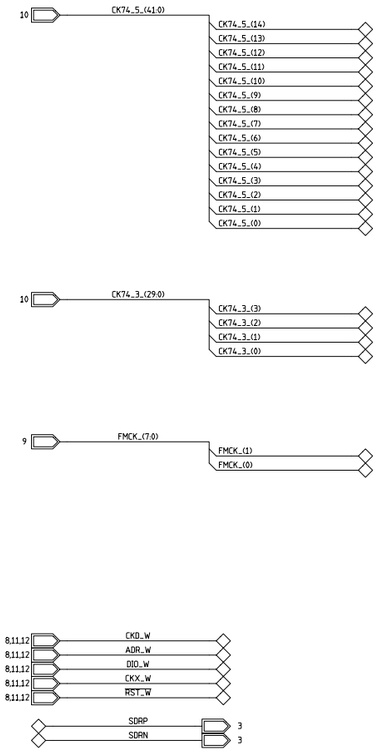
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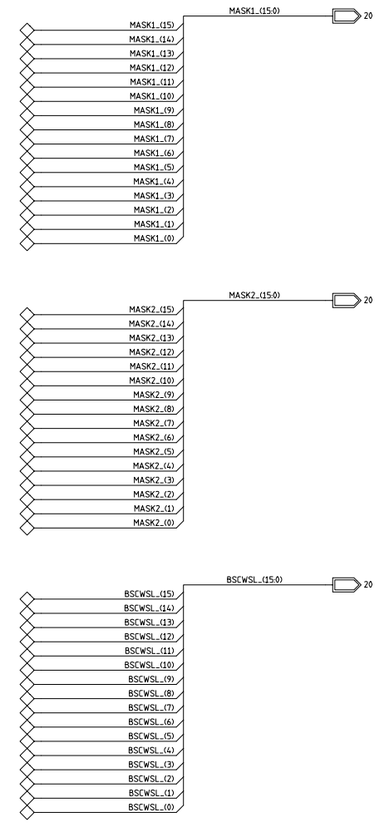
KPC-15 (19/50)

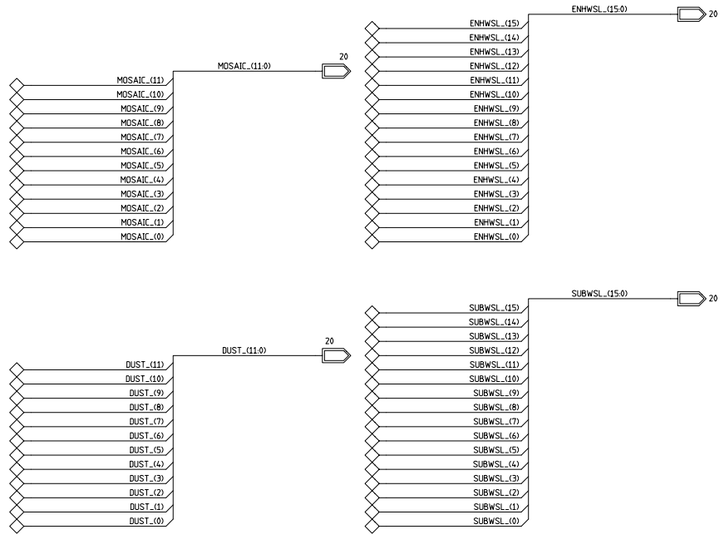












Key Processor Board

KPC-15 (19/50)

BOARD NO. 1-674-371-11

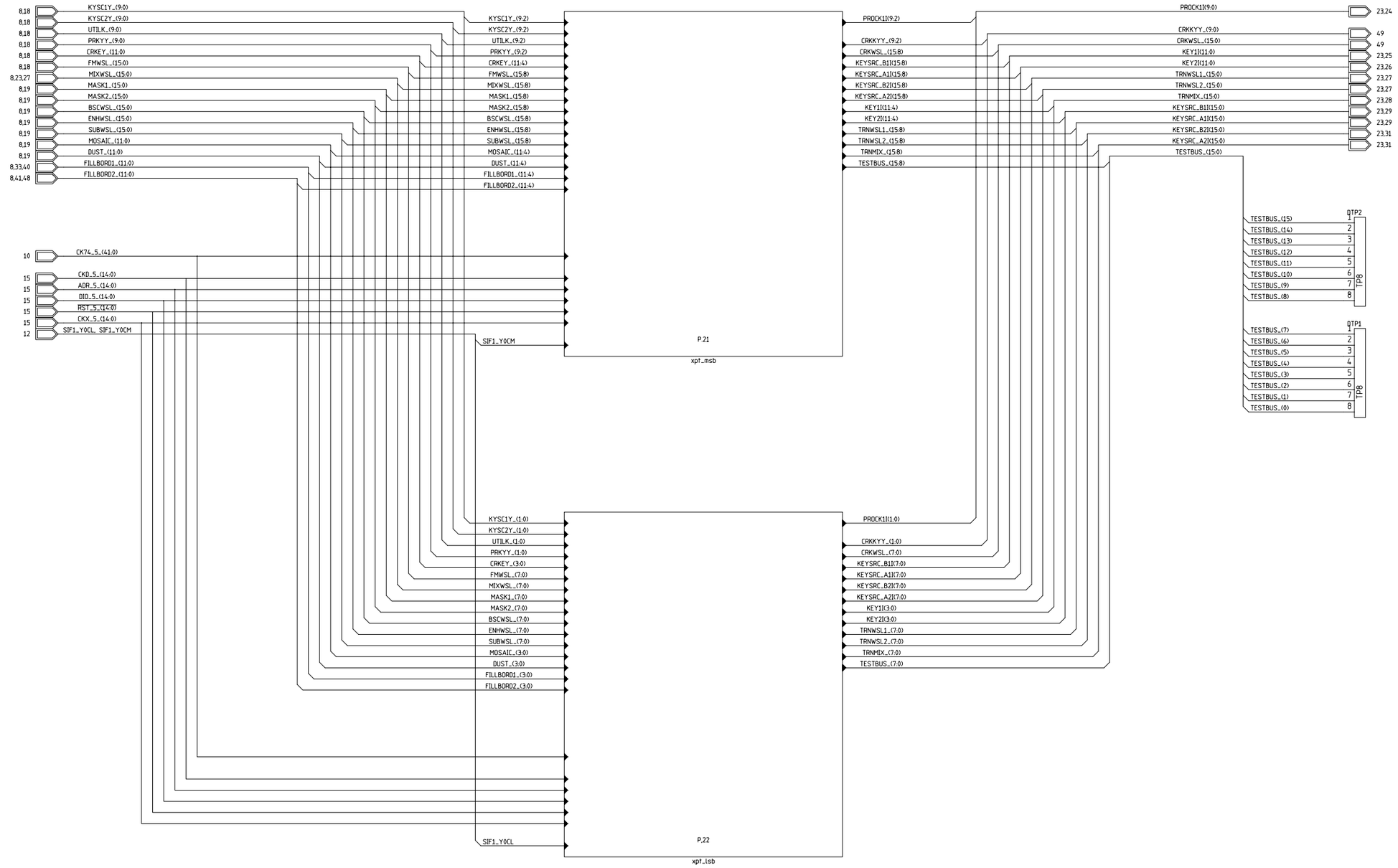
HDS-7000
HDS-7100
HDS-7150

HDS-7000

237

1 2 3 4 5

A B C D E F G H

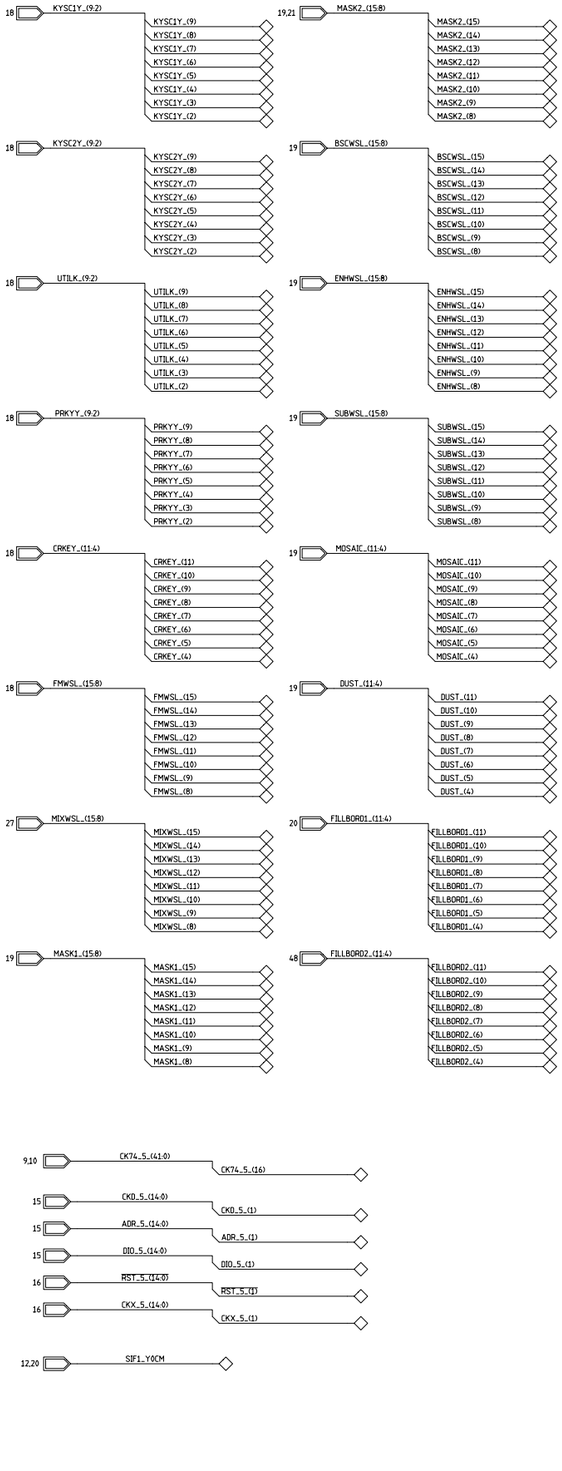


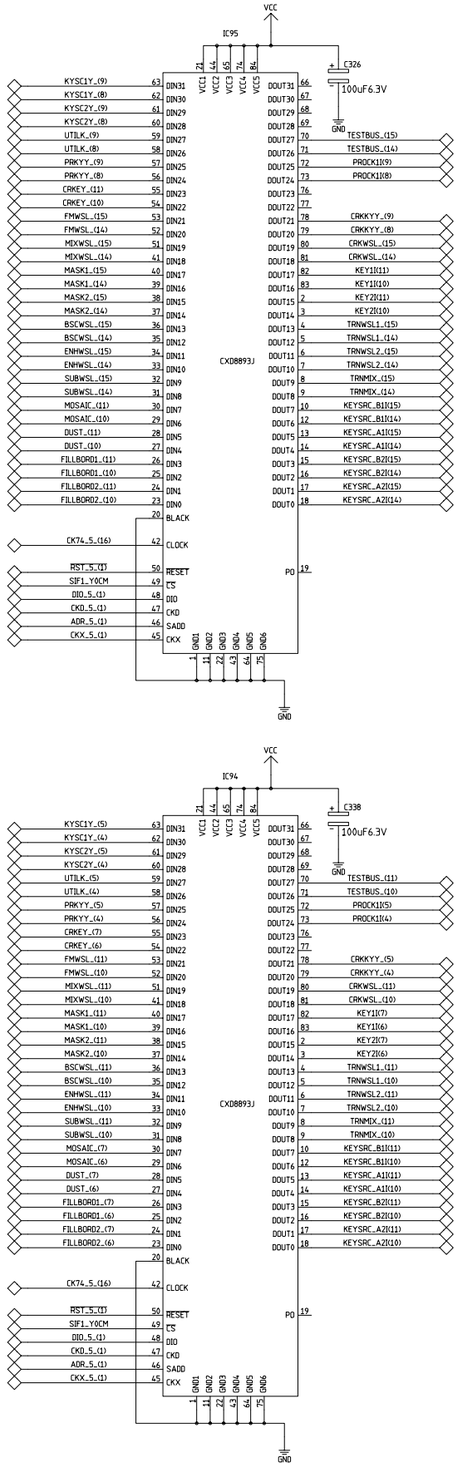
Key Processor Board

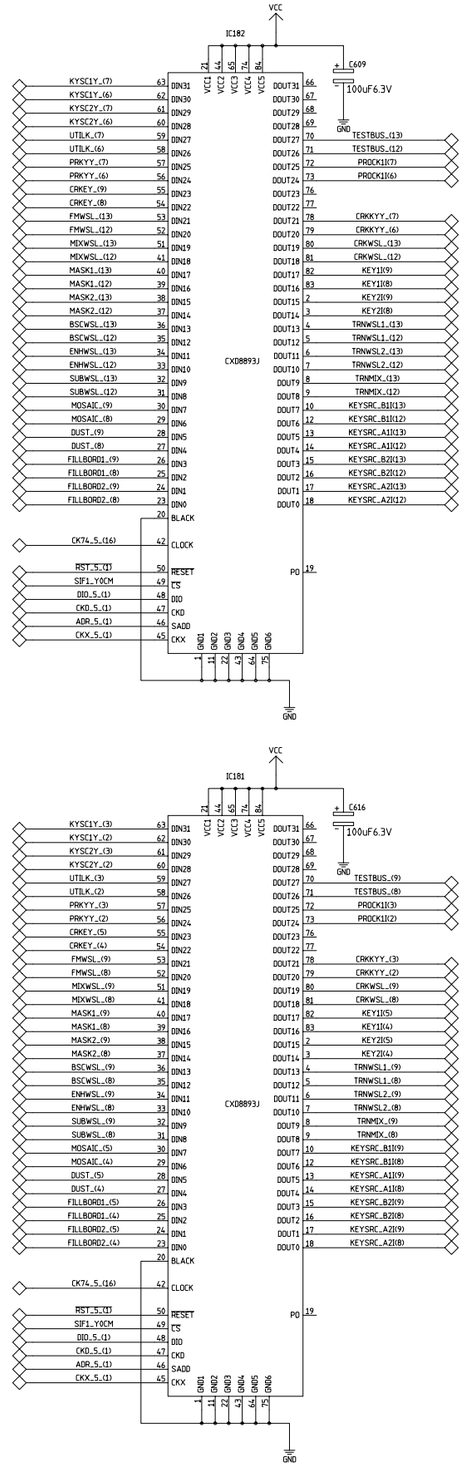
KPC-15 (20/50)

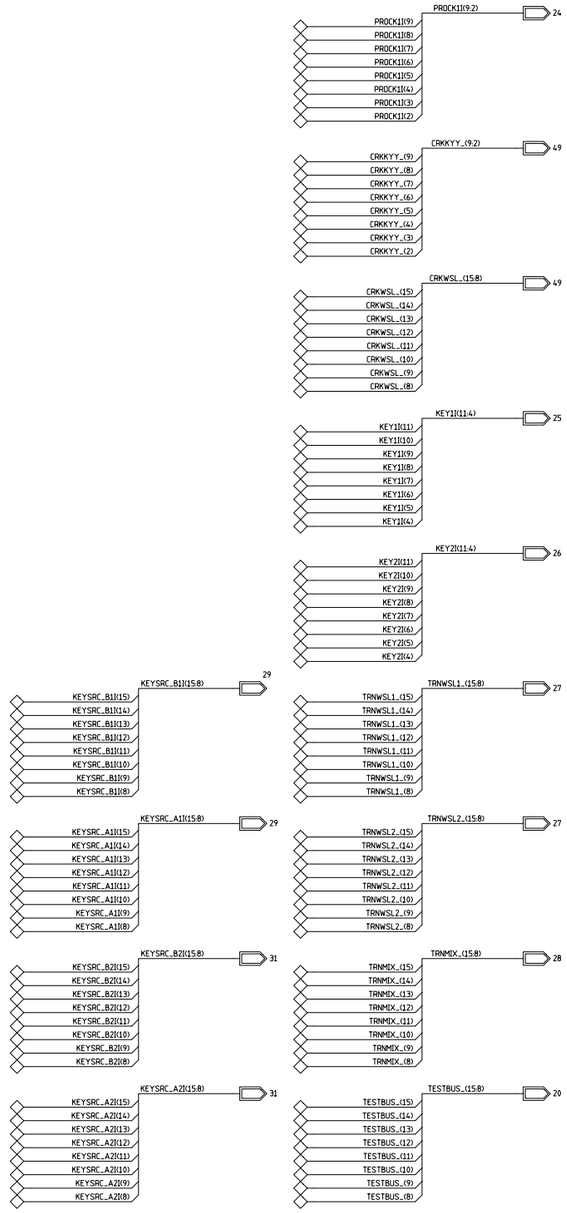
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150









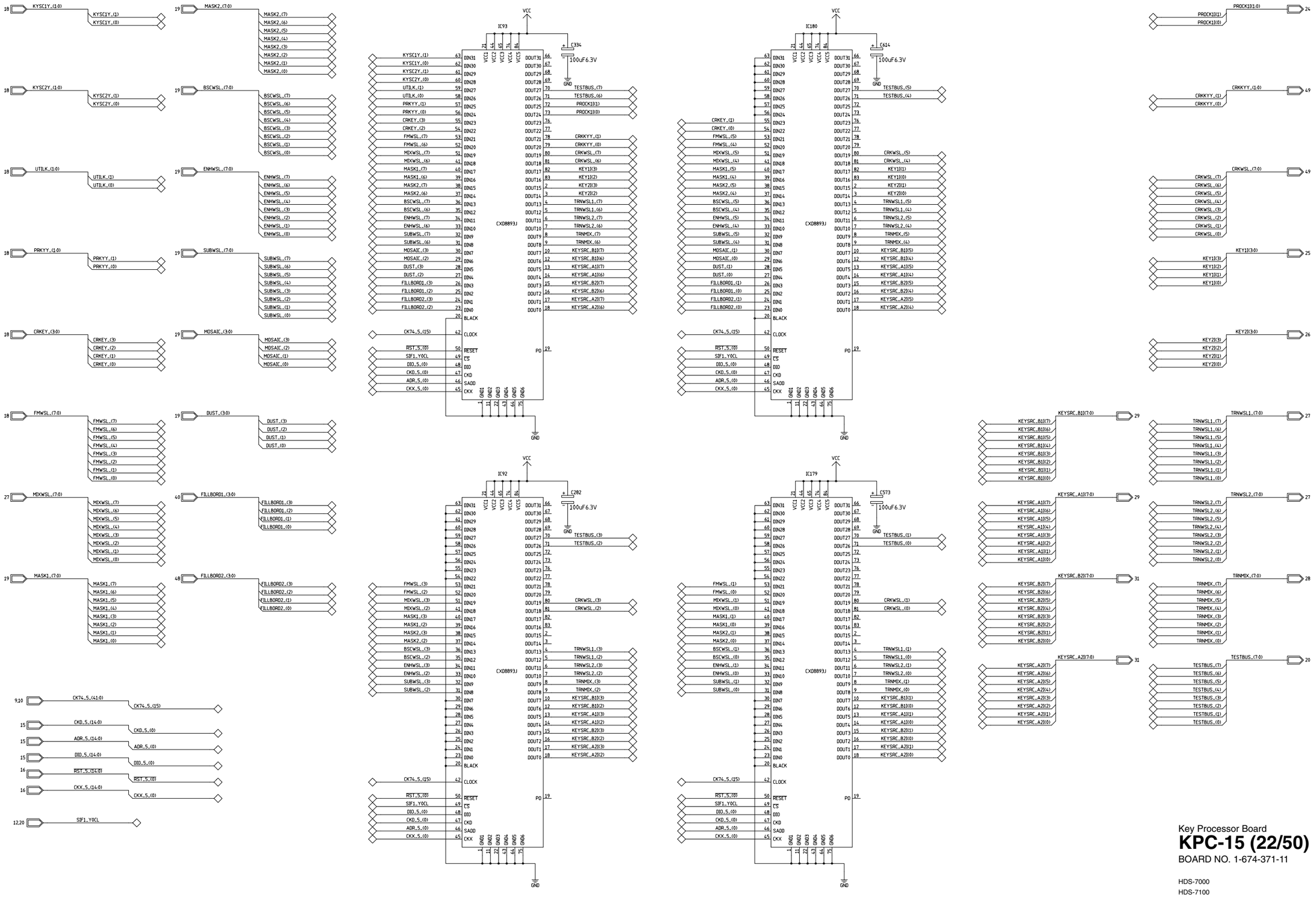
Key Processor Board

KPC-15 (21/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (22/50)



Key Processor Board

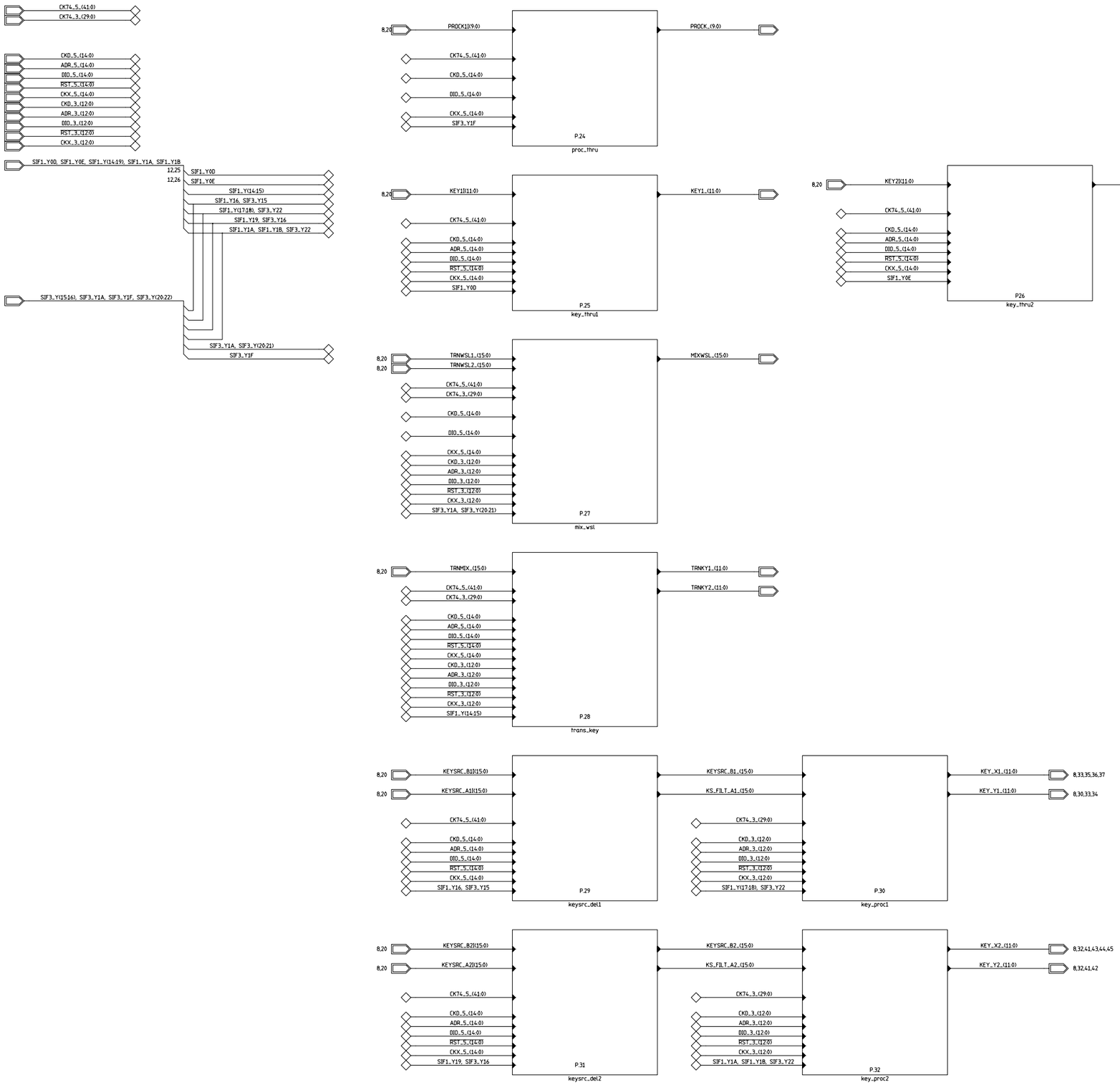
KPC-15 (22/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

240

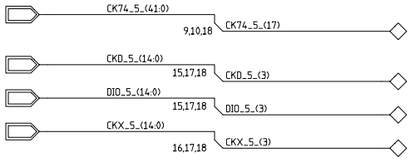
KPC-15 (23/50)

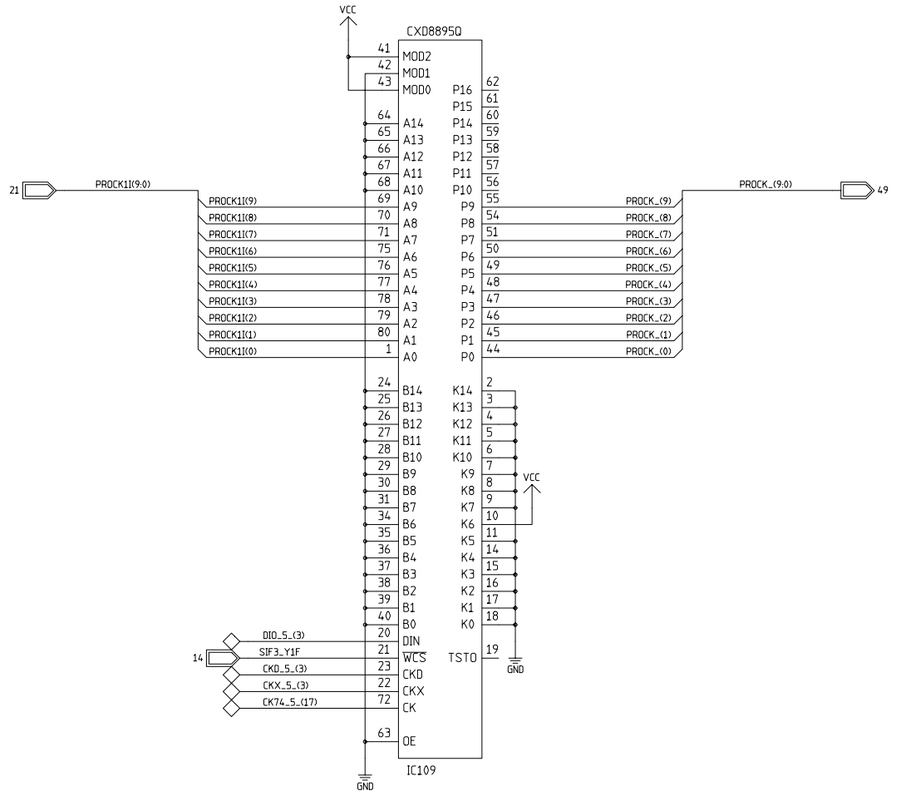


Key Processor Board
KPC-15 (23/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (24/50)

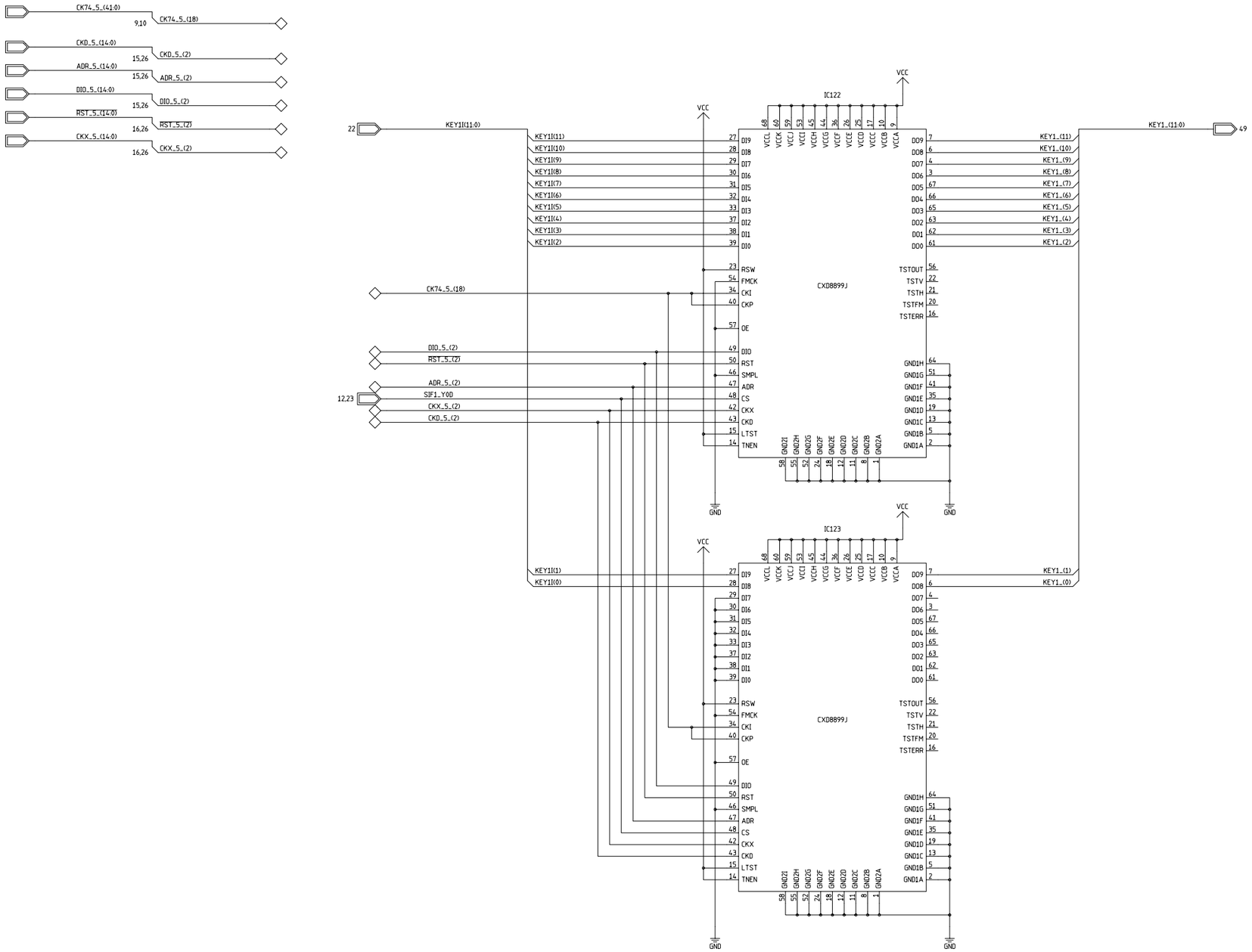




Key Processor Board
KPC-15 (24/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

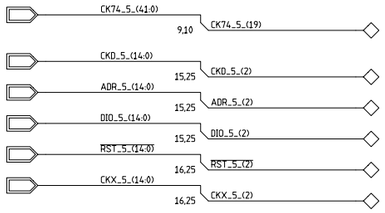
242

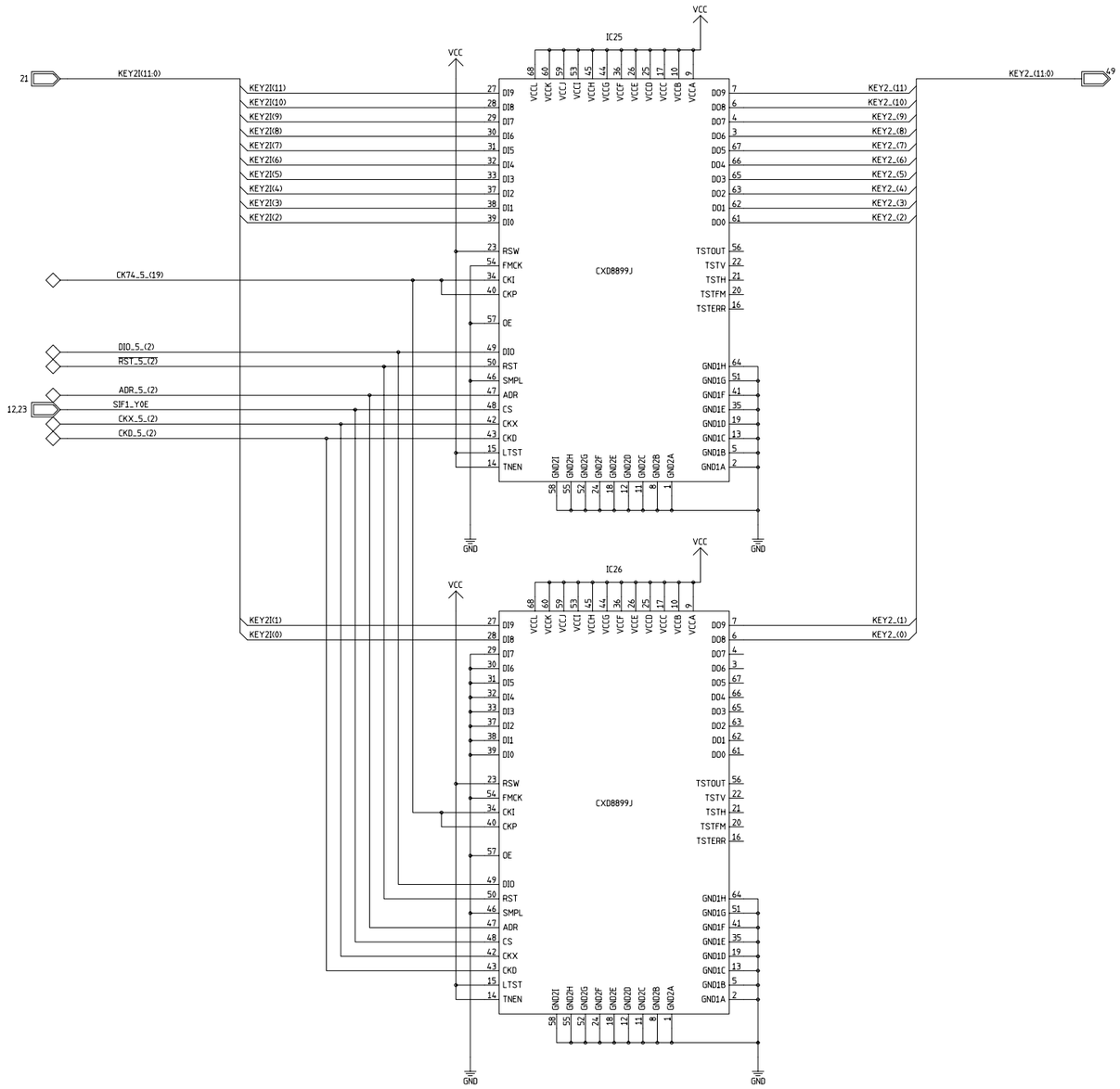


Key Processor Board
KPC-15 (25/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (26/50)

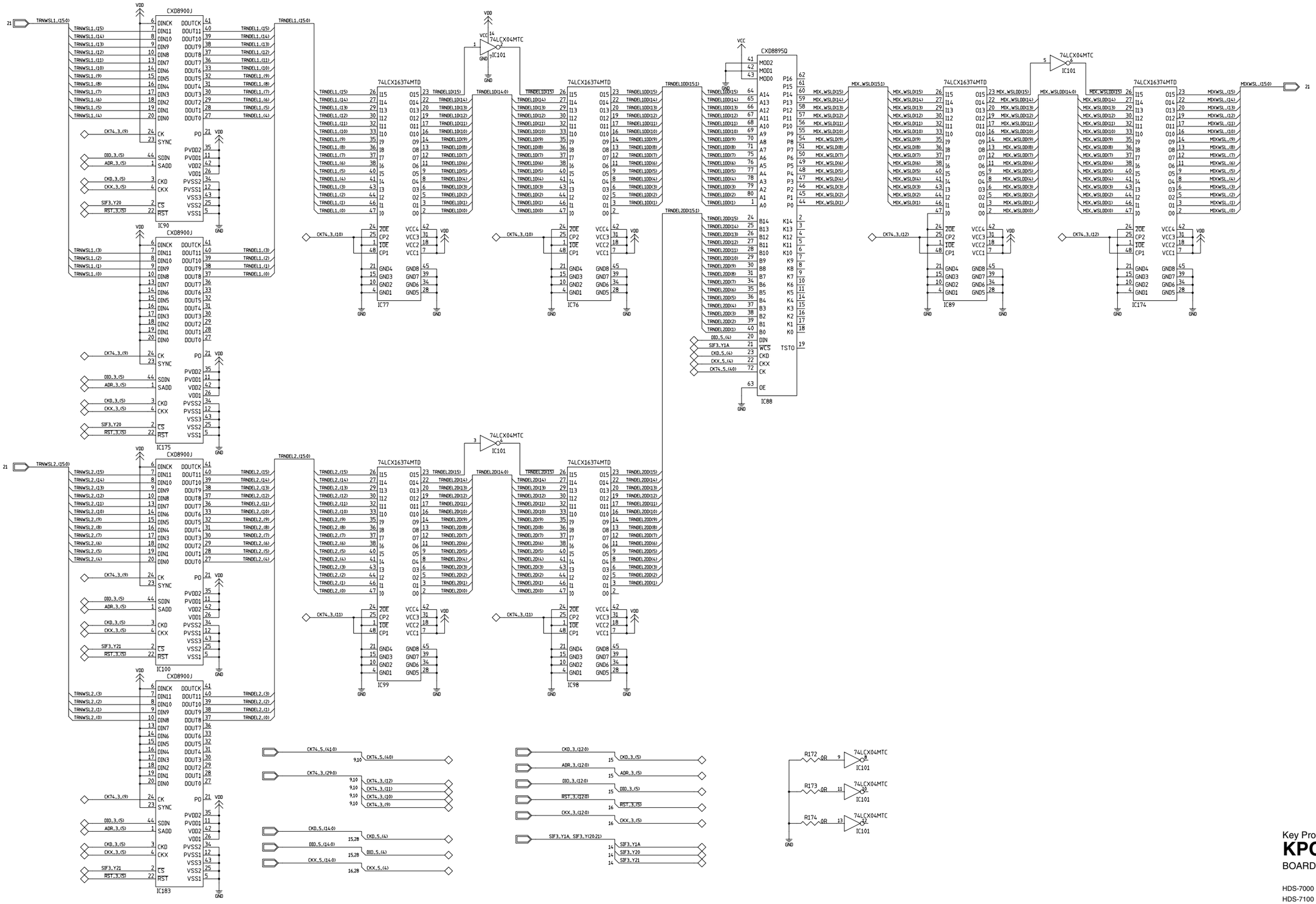




Key Processor Board
KPC-15 (26/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

244



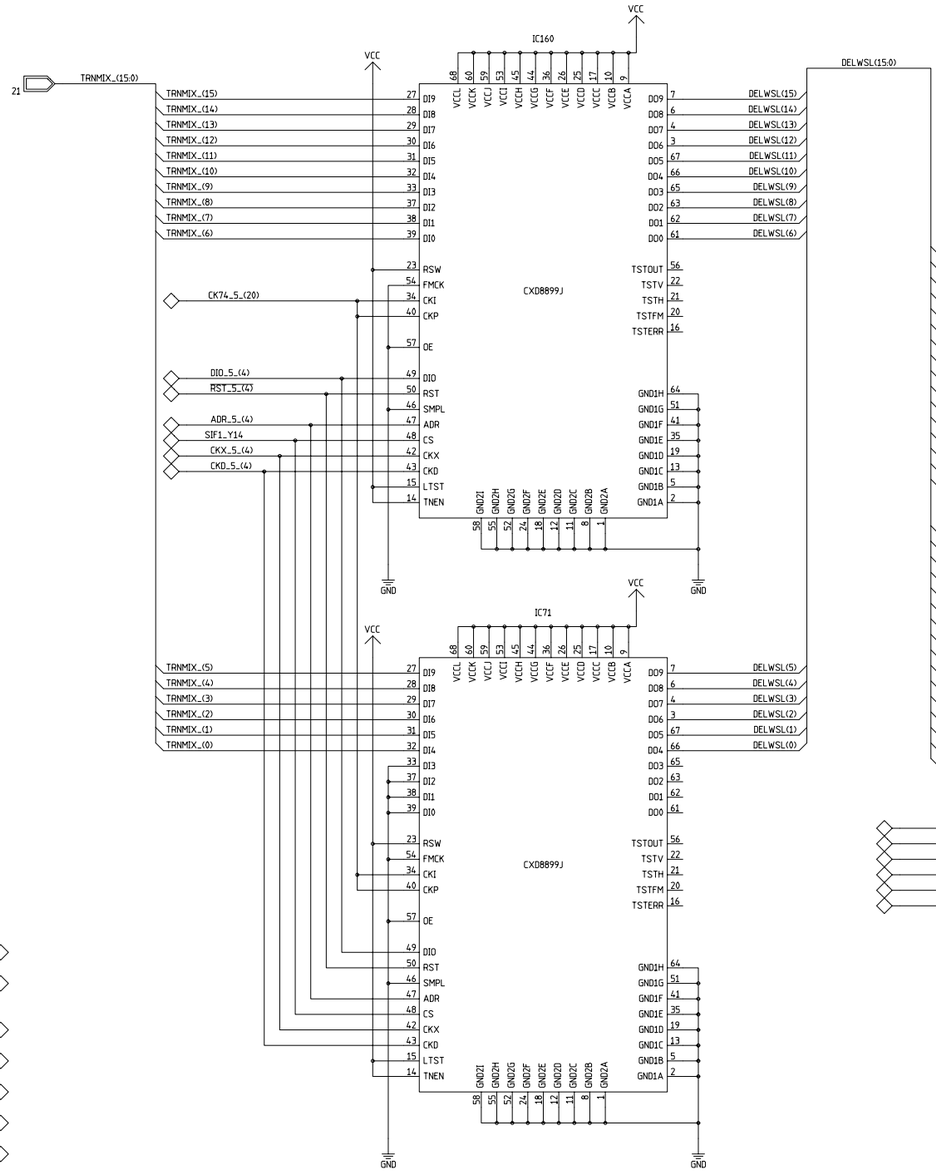
Key Processor Board

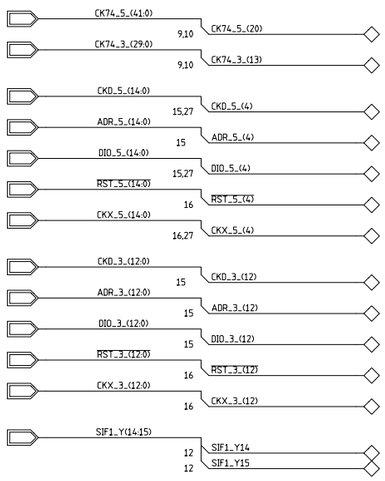
KPC-15 (27/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (28/50)

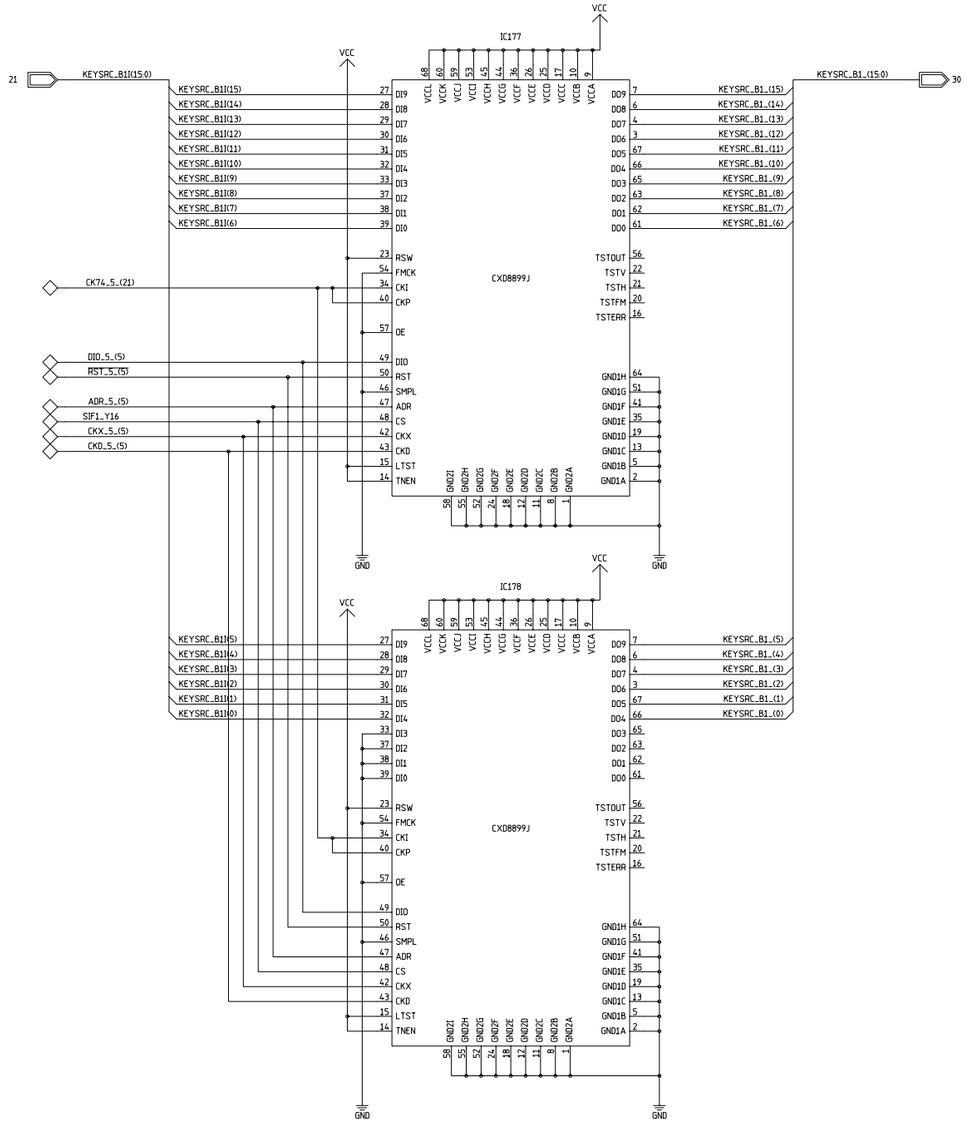


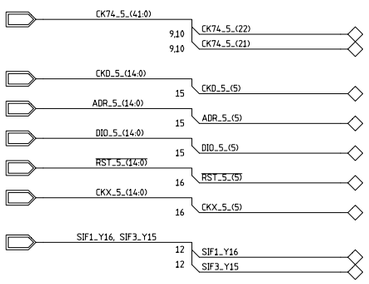


Key Processor Board
KPC-15 (28/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

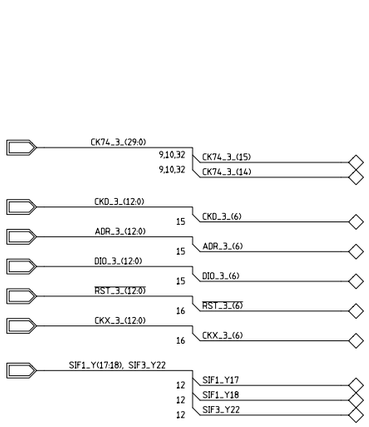
KPC-15 (29/50)

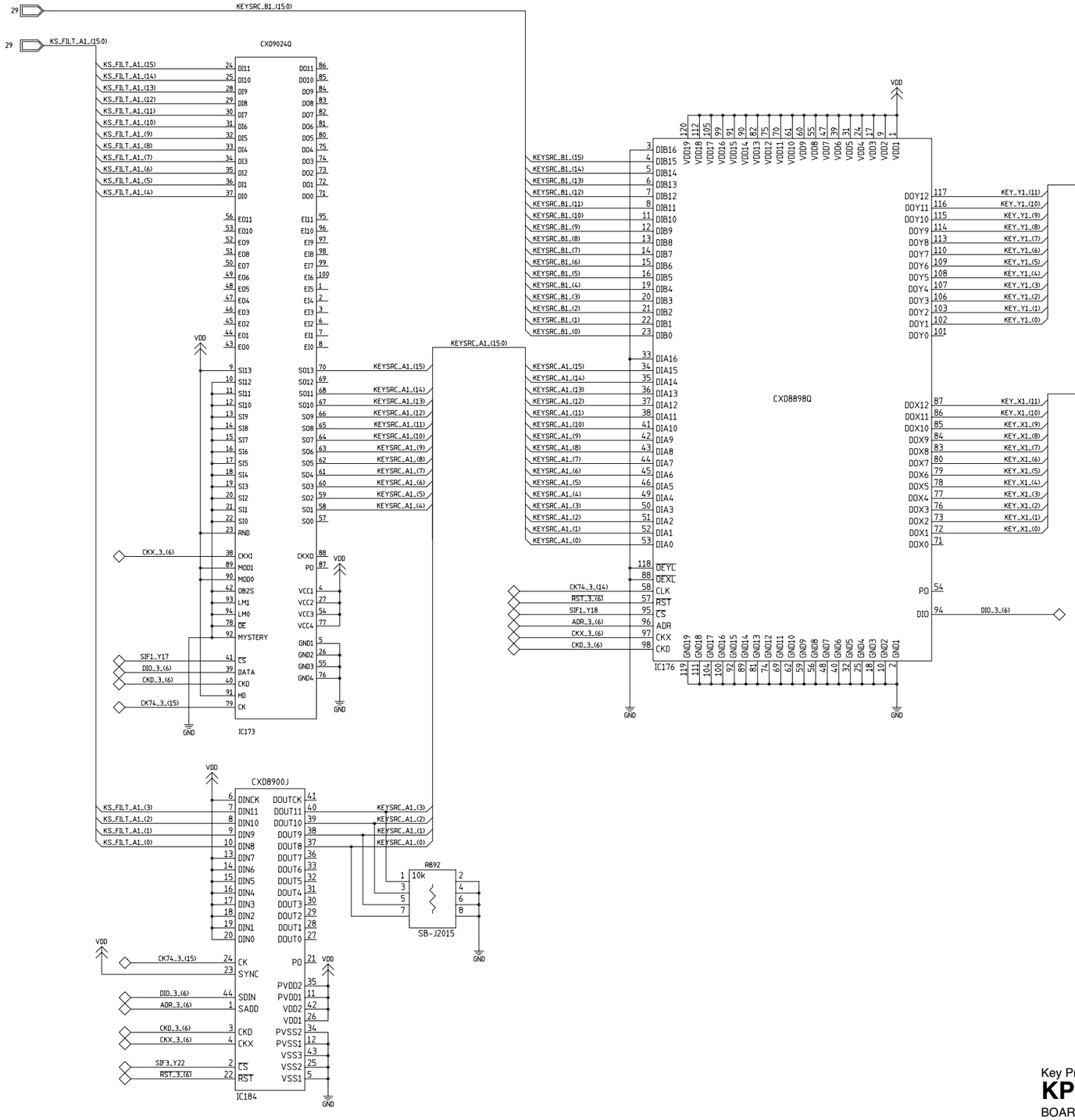




Key Processor Board
KPC-15 (29/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150





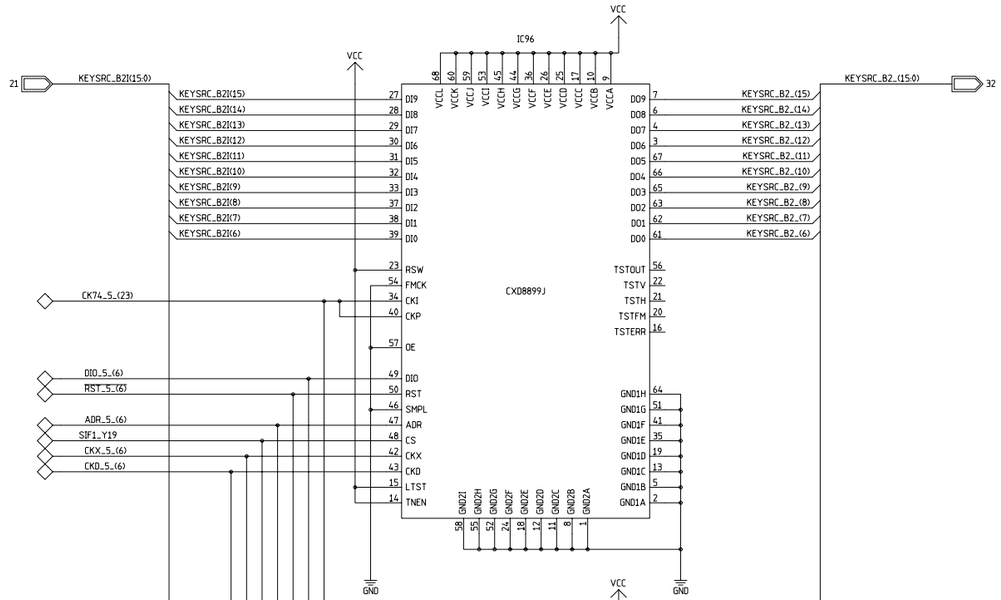
Key Processor Board

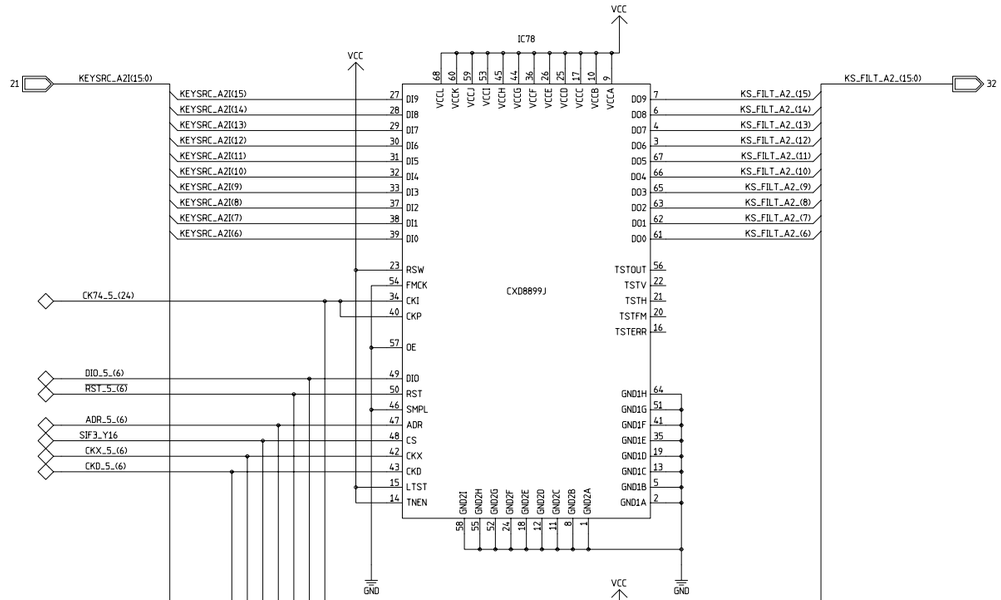
KPC-15 (30/50)

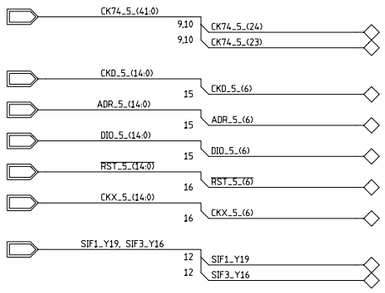
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (31/50)

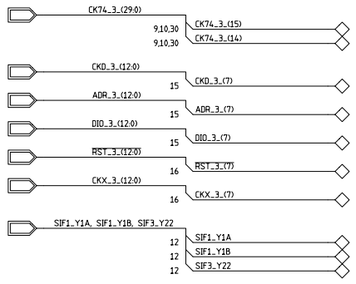


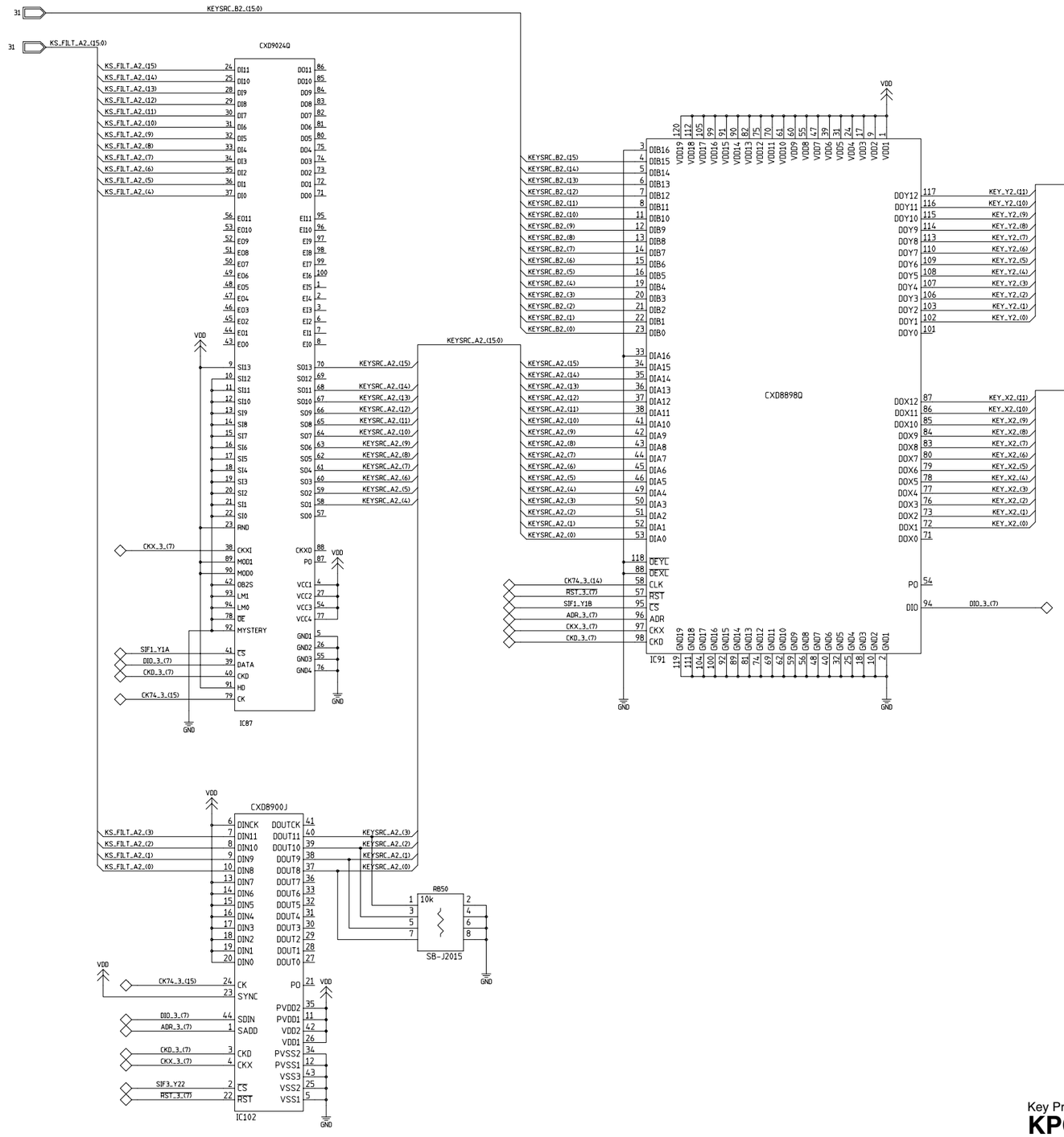




Key Processor Board
KPC-15 (31/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150



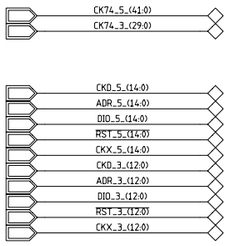


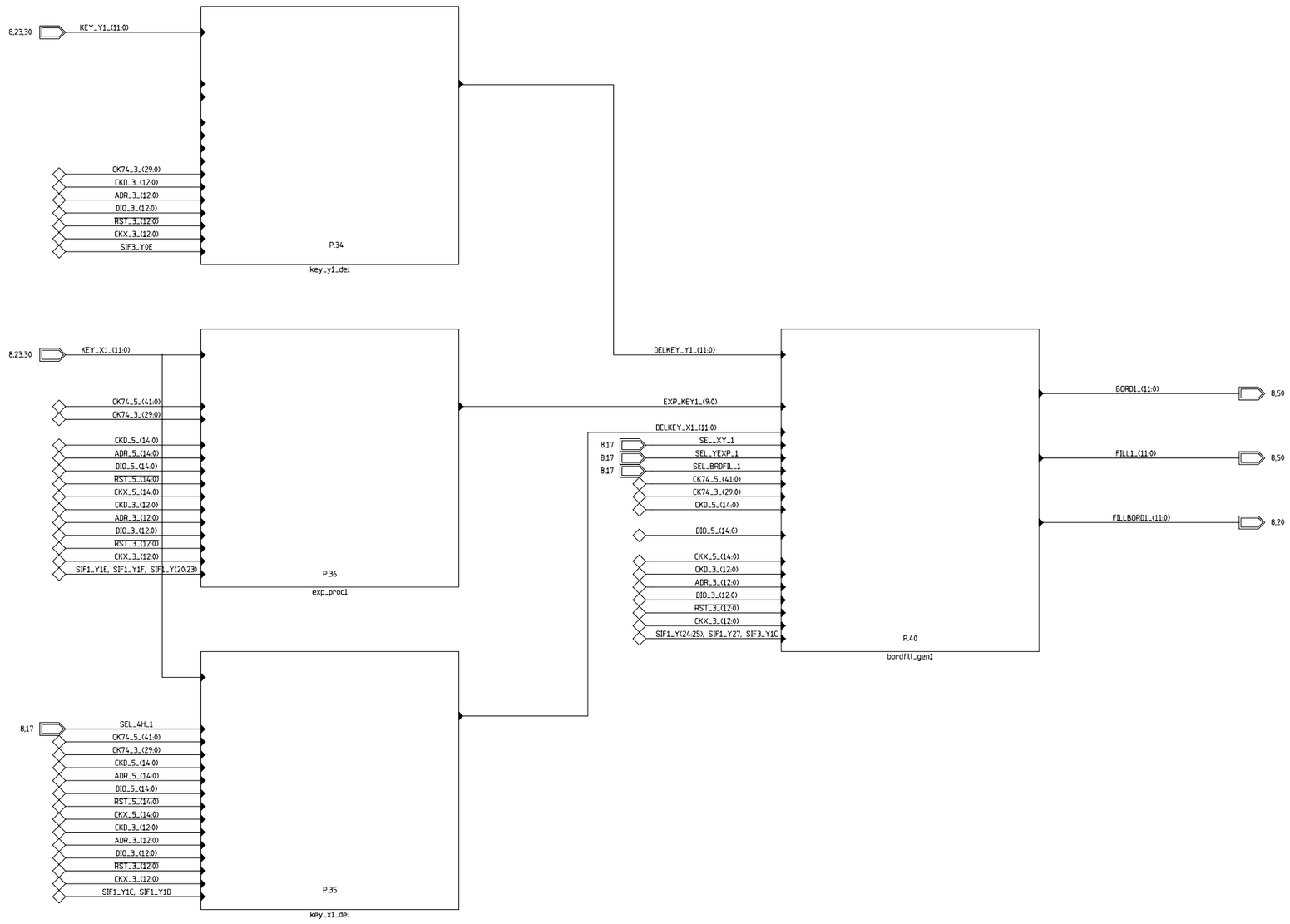
Key Processor Board

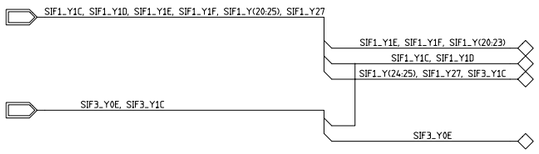
KPC-15 (32/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150







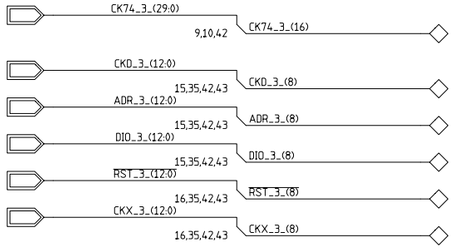
Key Processor Board

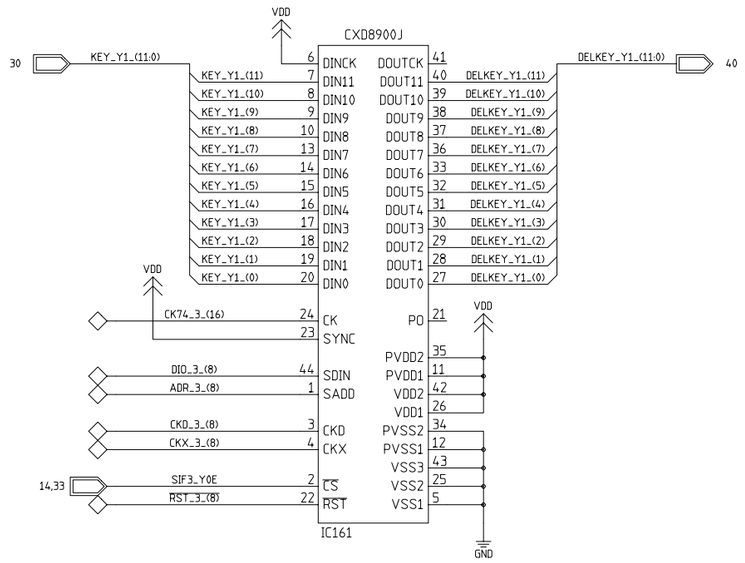
KPC-15 (33/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (34/50)



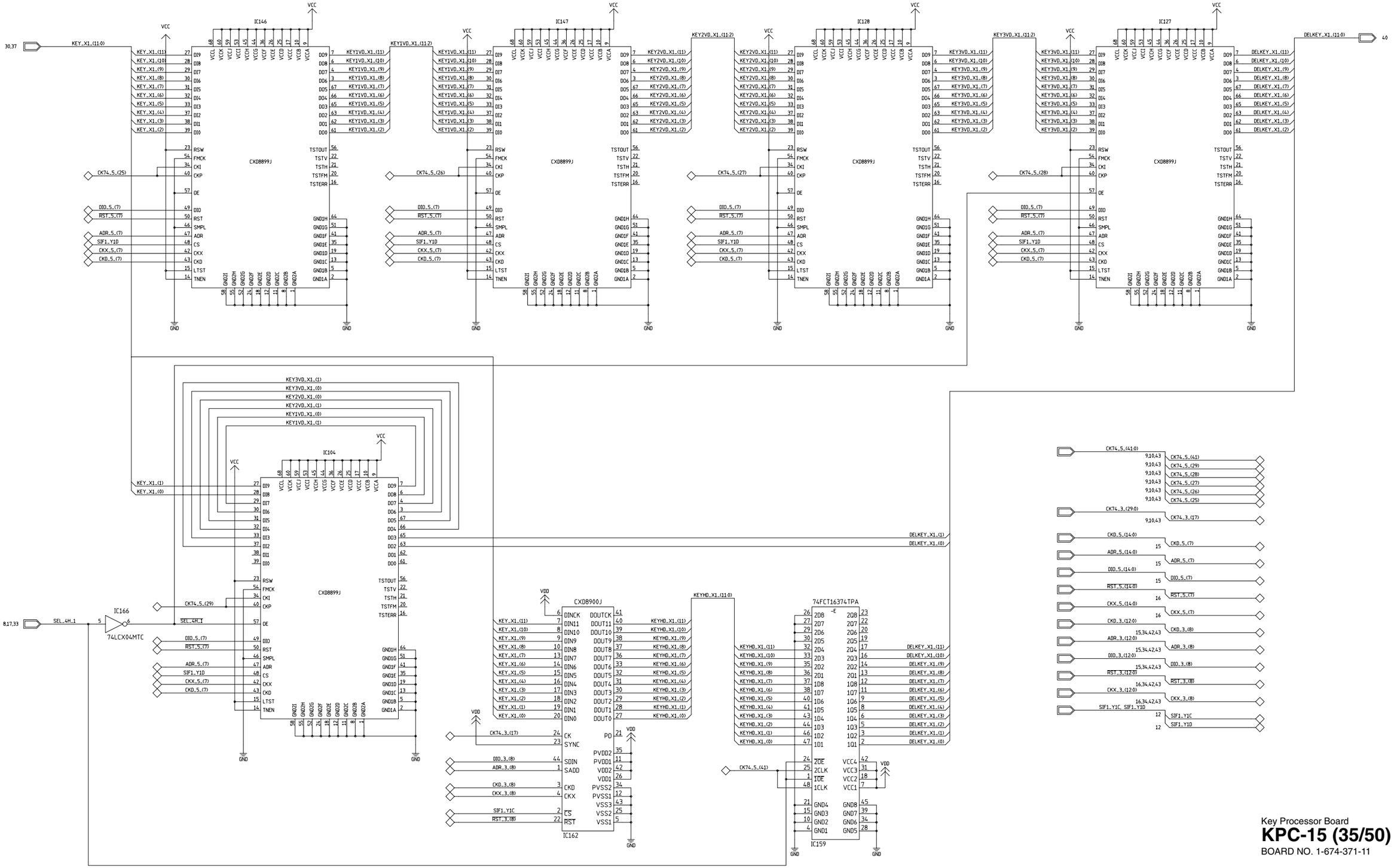


Key Processor Board
KPC-15 (34/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

252

HDS-7000



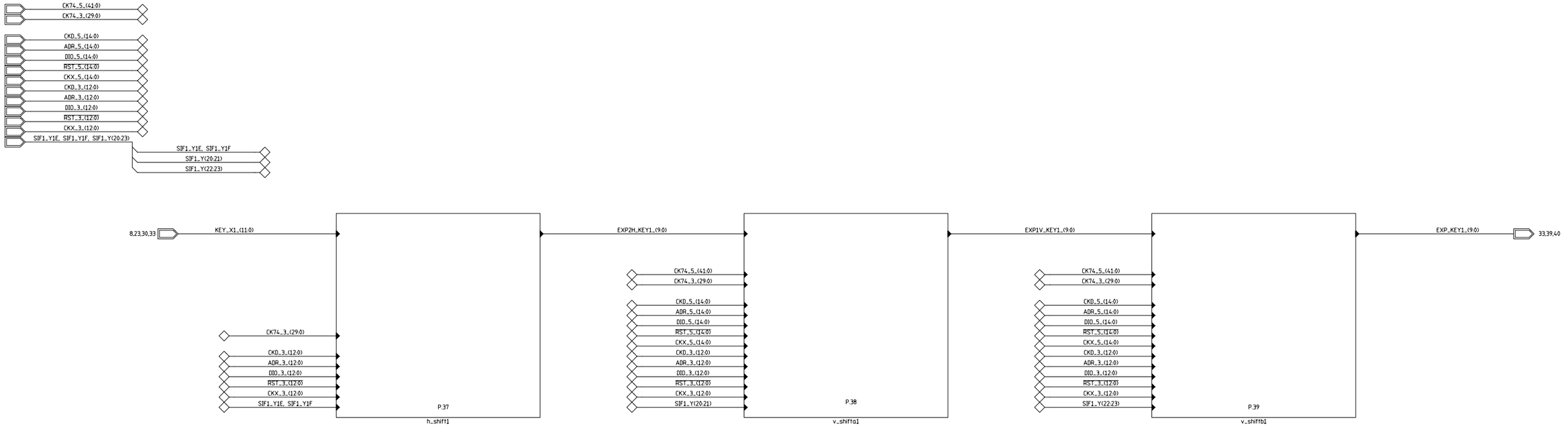
Key Processor Board

KPC-15 (35/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (36/50)

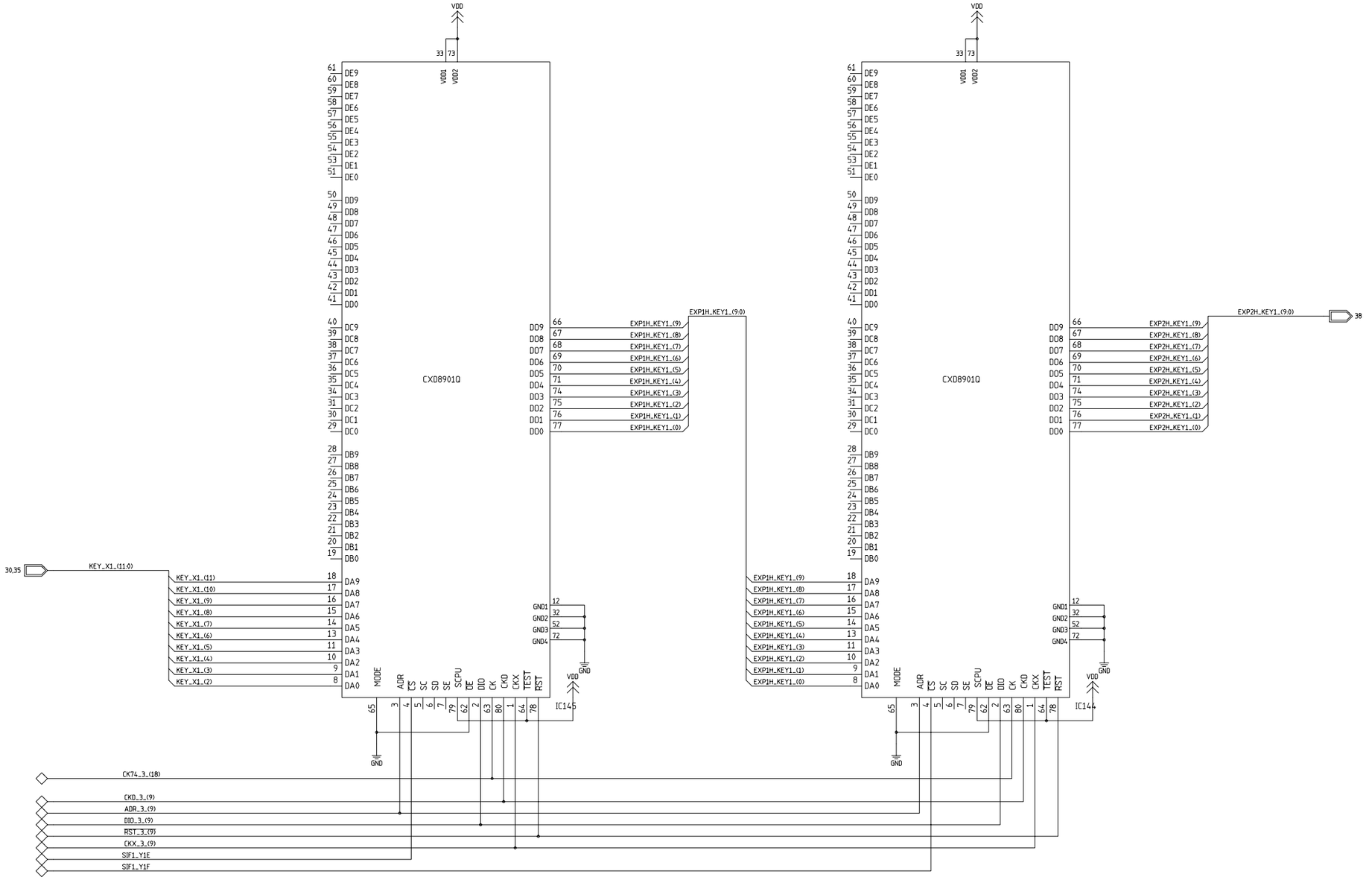


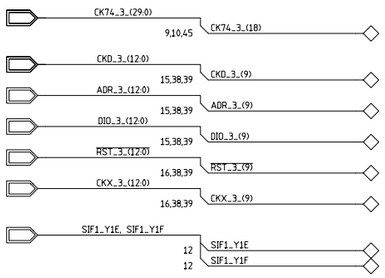
Key Processor Board
KPC-15 (36/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

254

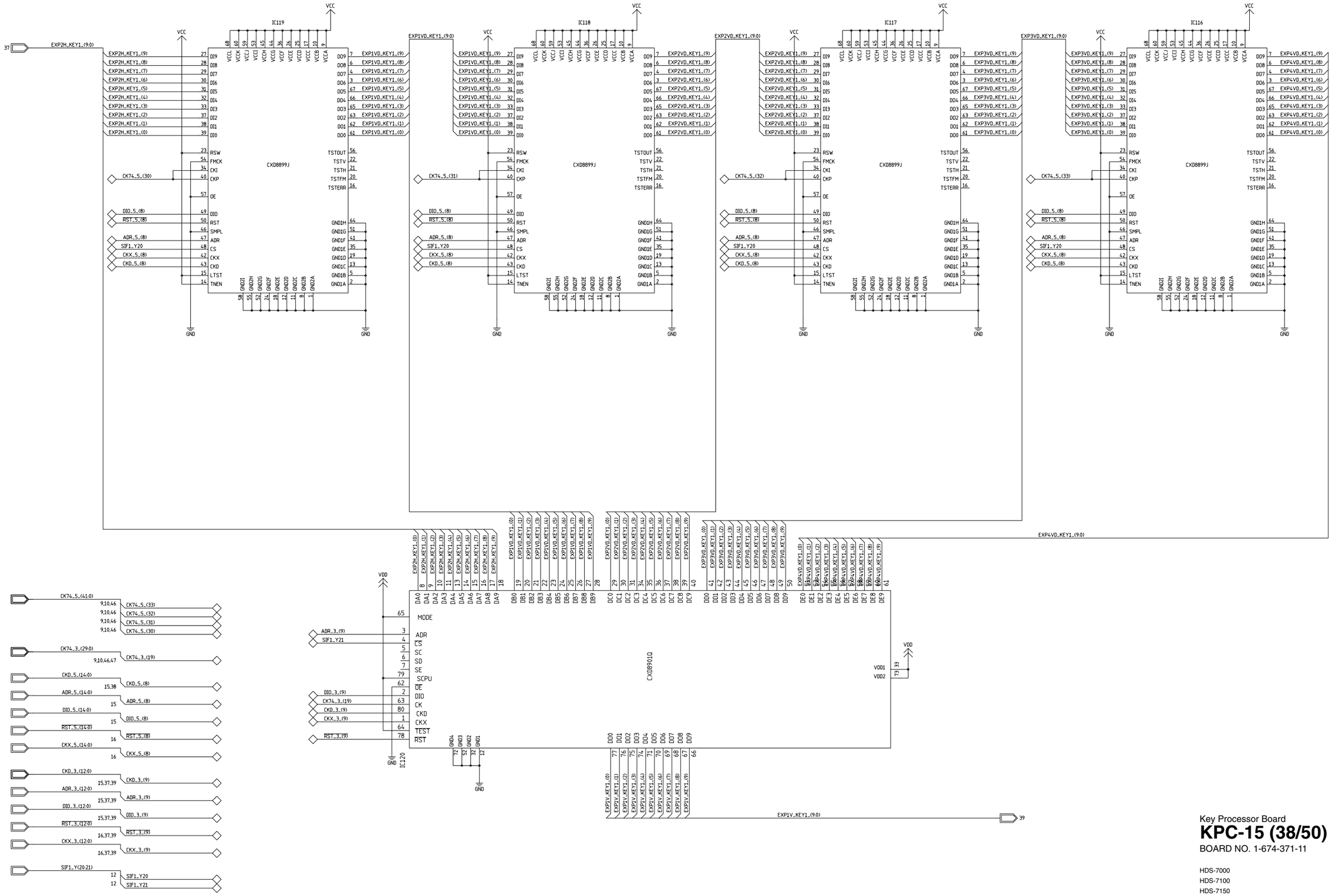
KPC-15 (37/50)





Key Processor Board
KPC-15 (37/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150



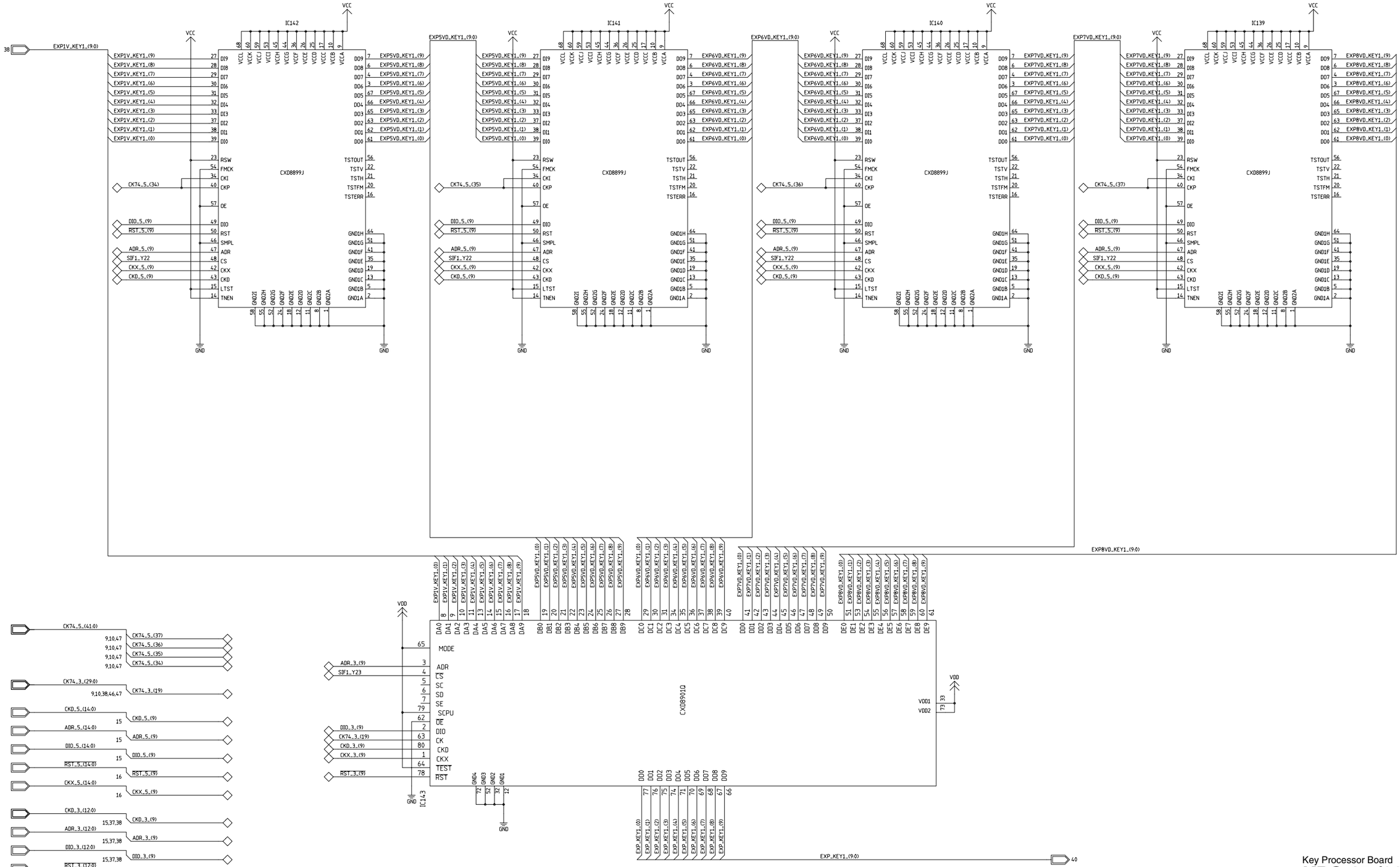
Key Processor Board

KPC-15 (38/50)

BOARD NO. 1-674-371-11

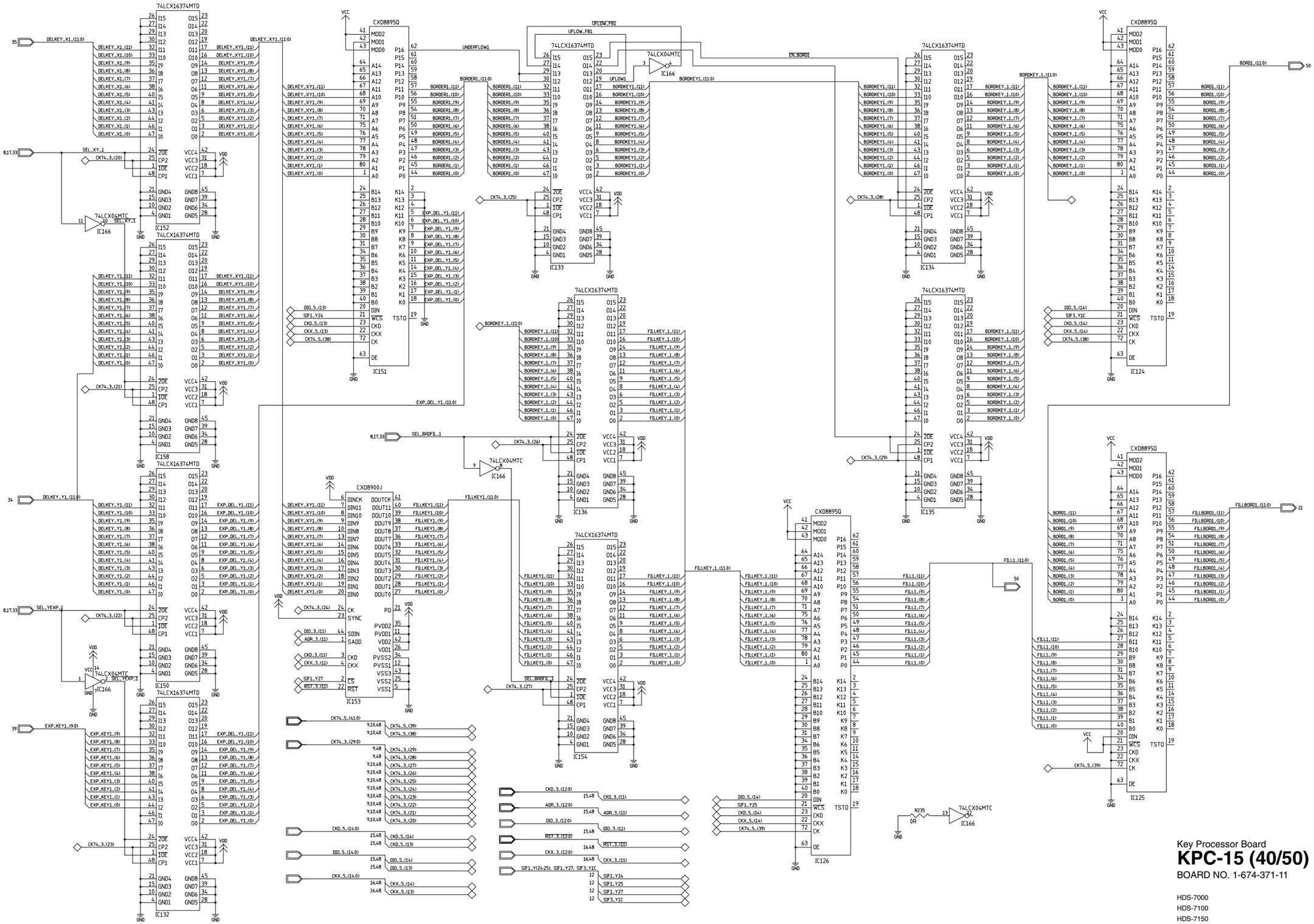
HDS-7000
HDS-7100
HDS-7150

KPC-15 (39/50)



Key Processor Board
KPC-15 (39/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150



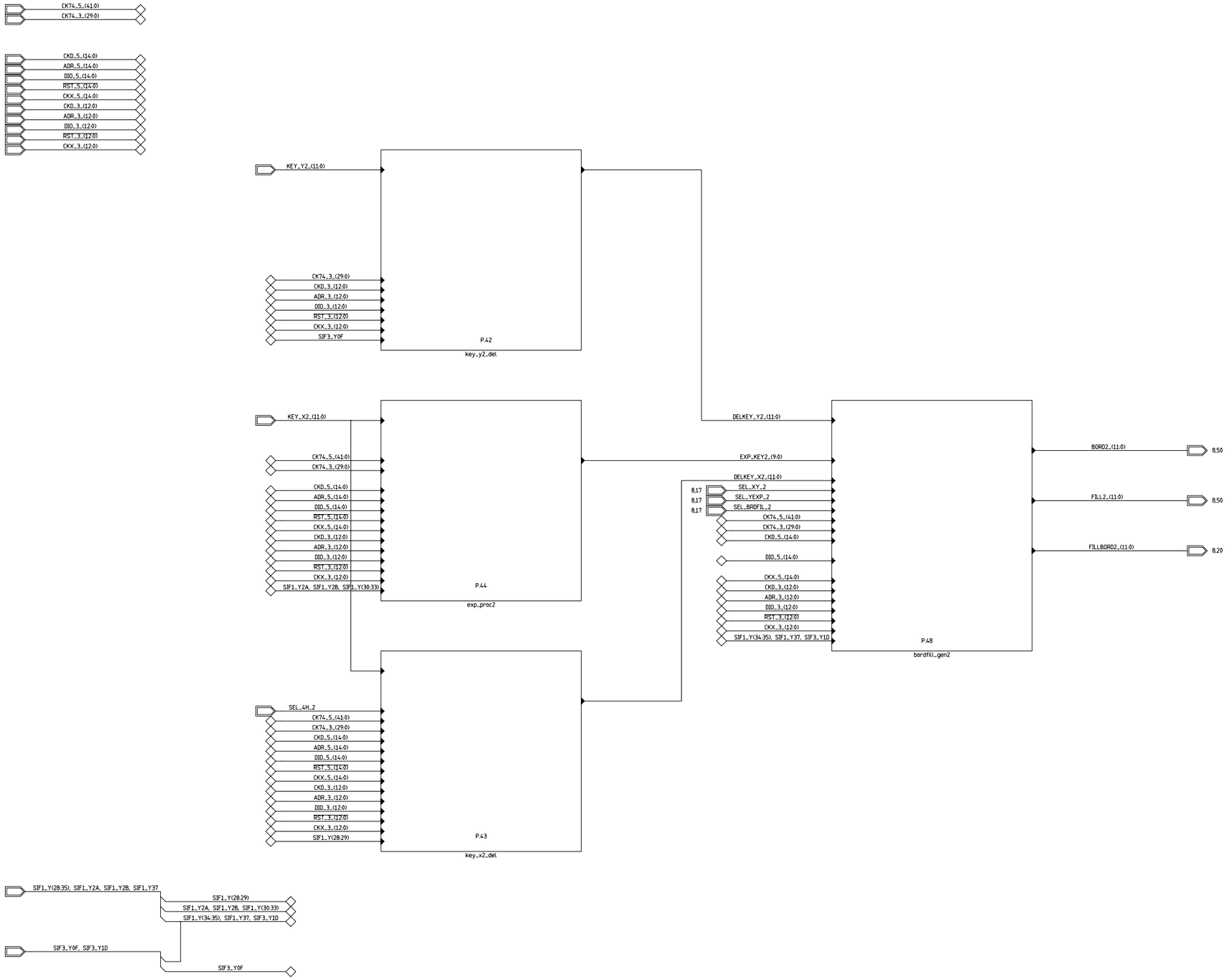
Key Processor Board

KPC-15 (40/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

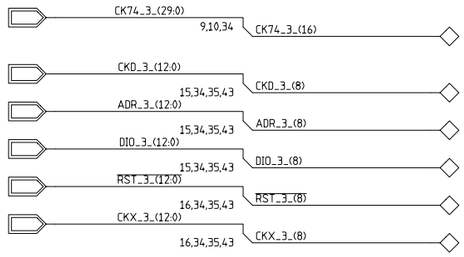
KPC-15 (41/50)



Key Processor Board
KPC-15 (41/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

KPC-15 (42/50)



Key Processor Board

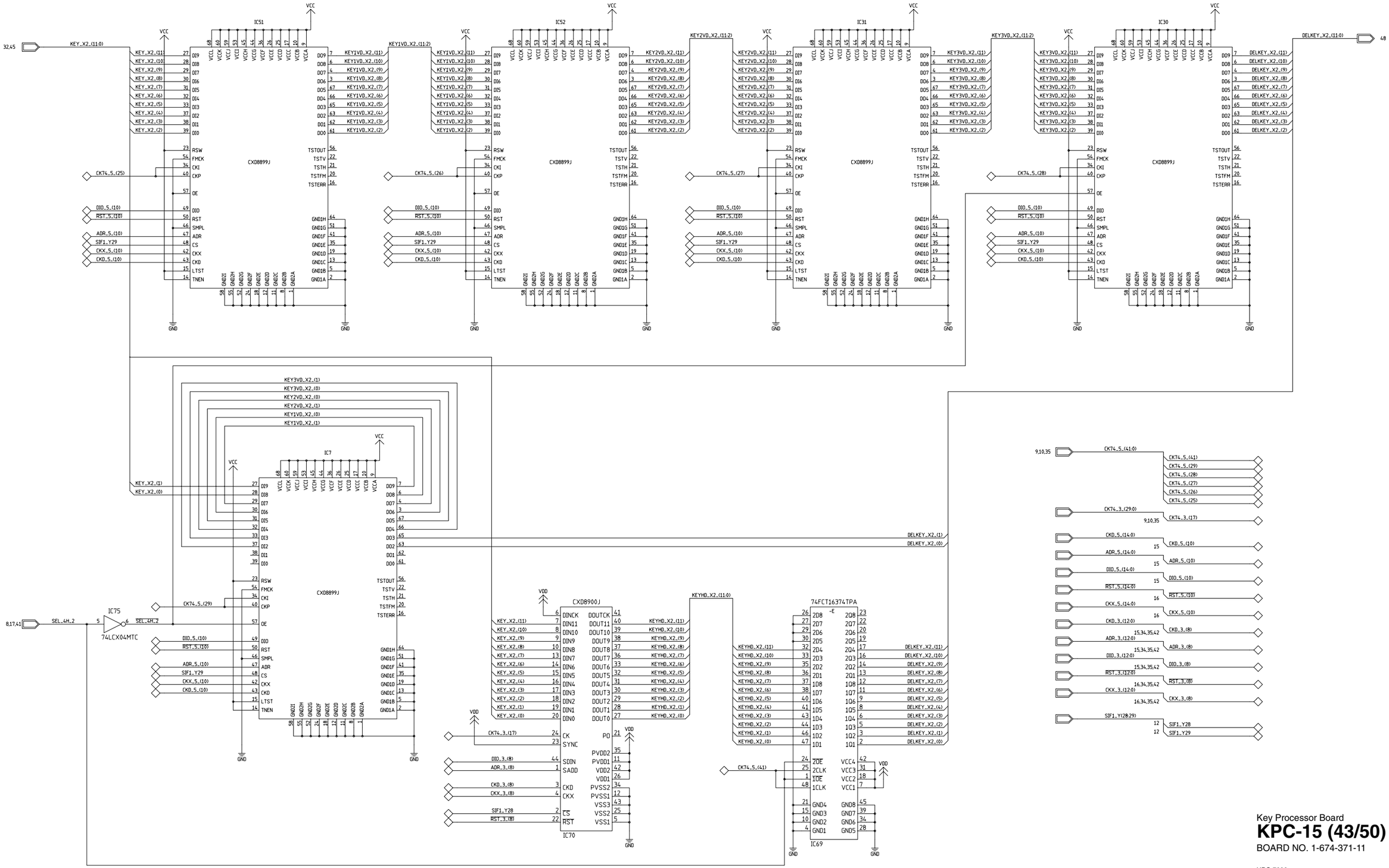
KPC-15 (42/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

HDS-7000

260



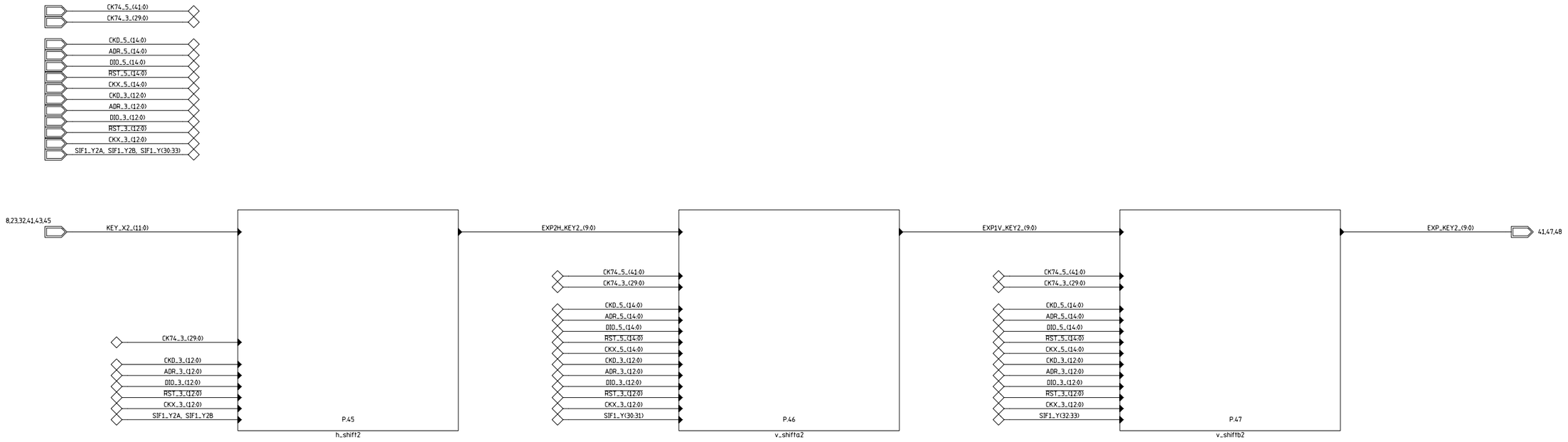
Key Processor Board

KPC-15 (43/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

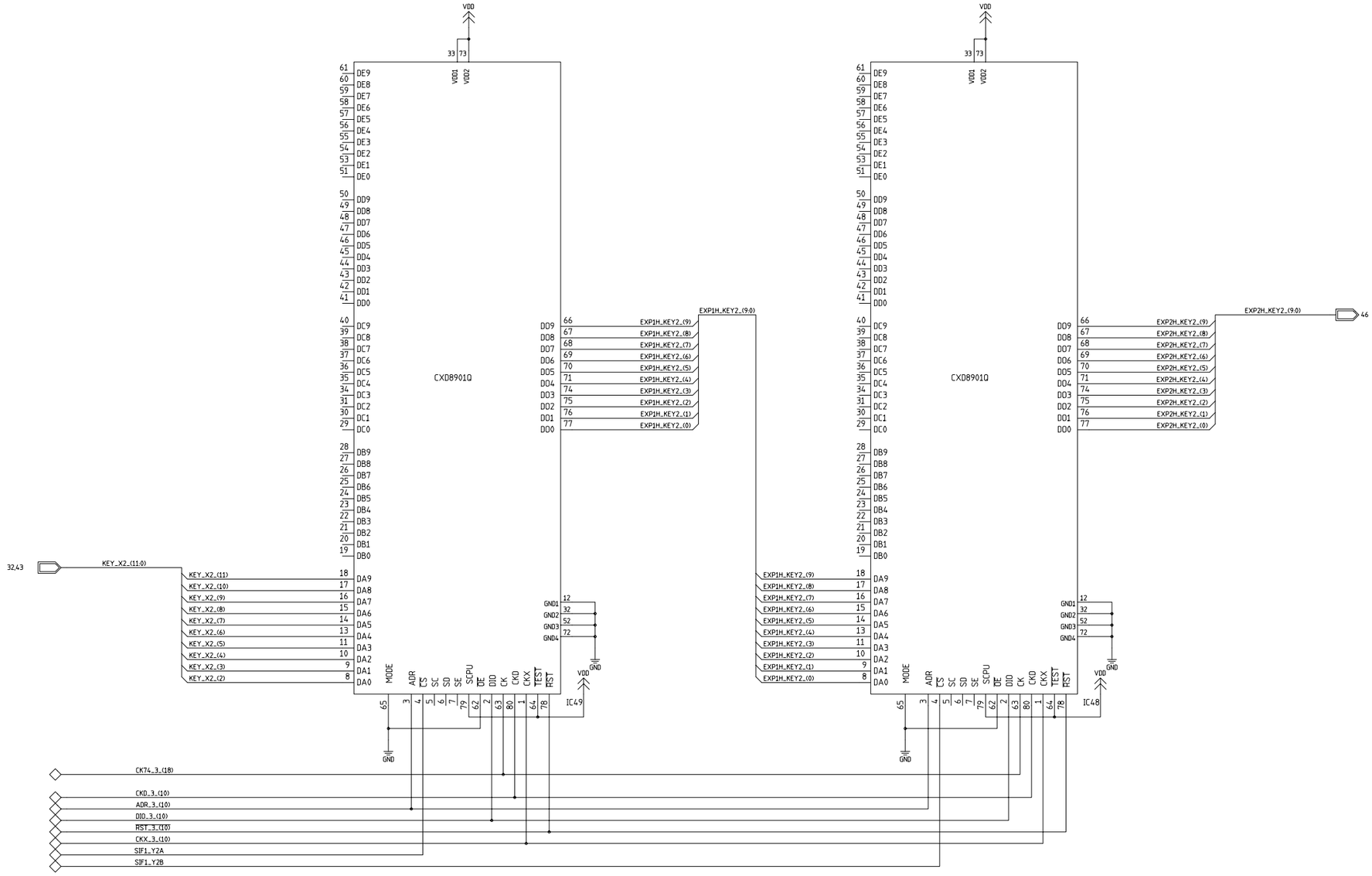
KPC-15 (44/50)

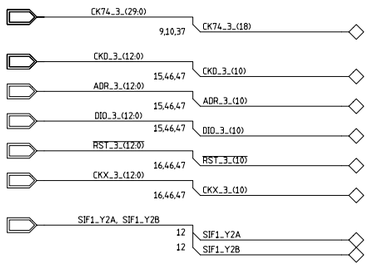


Key Processor Board
KPC-15 (44/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

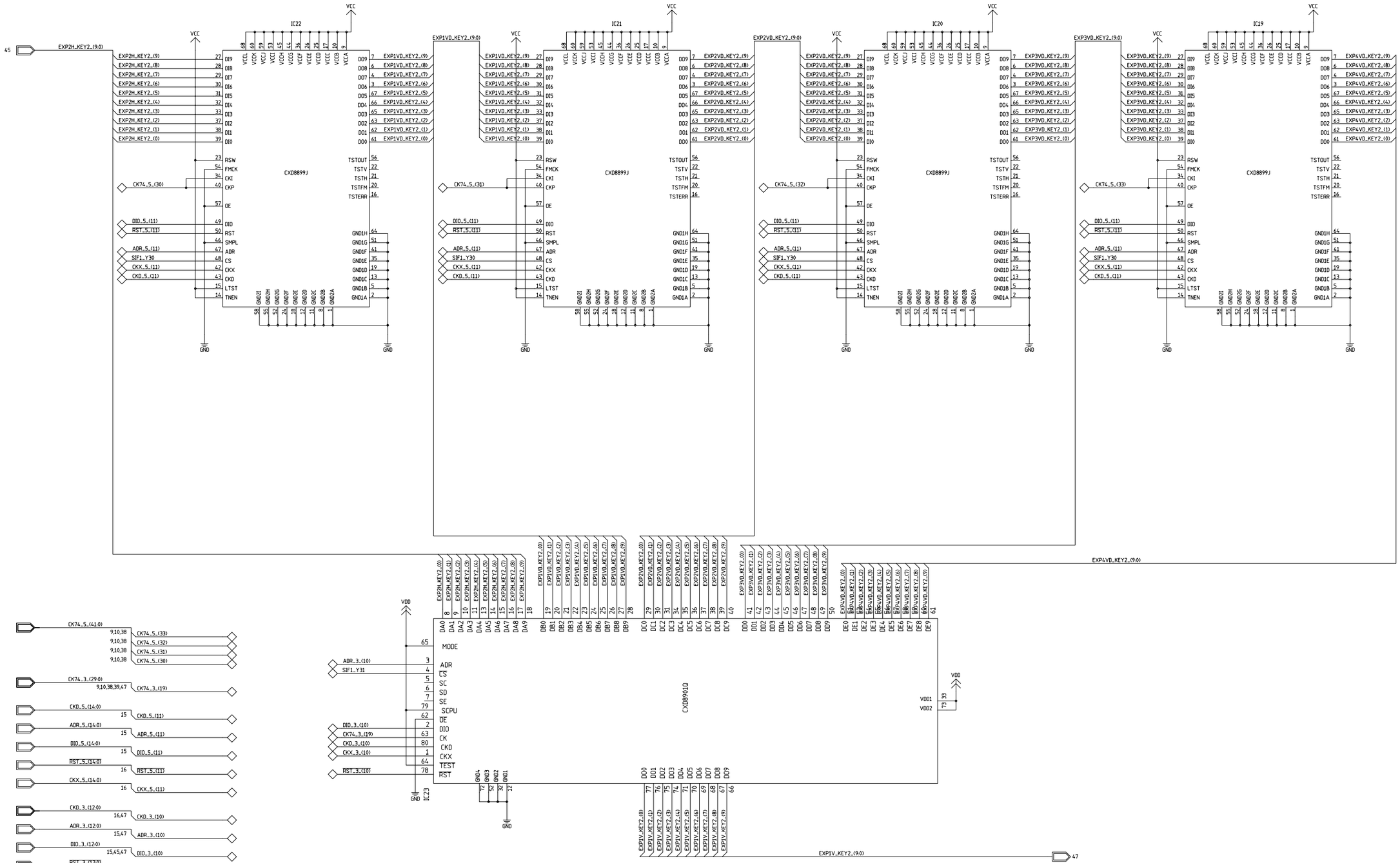
262





Key Processor Board
KPC-15 (45/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150



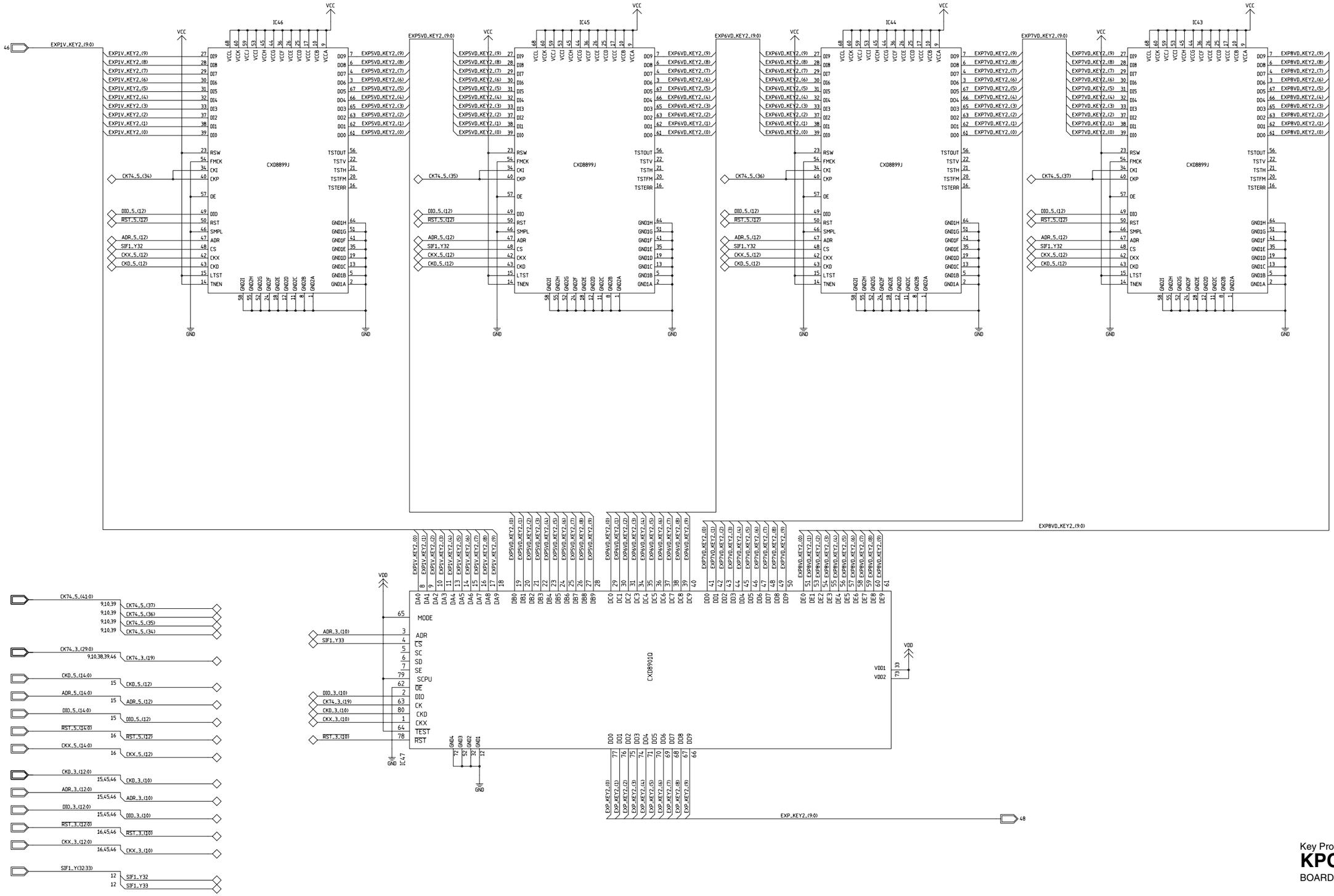
Key Processor Board

KPC-15 (46/50)

BOARD NO. 1-674-371-11

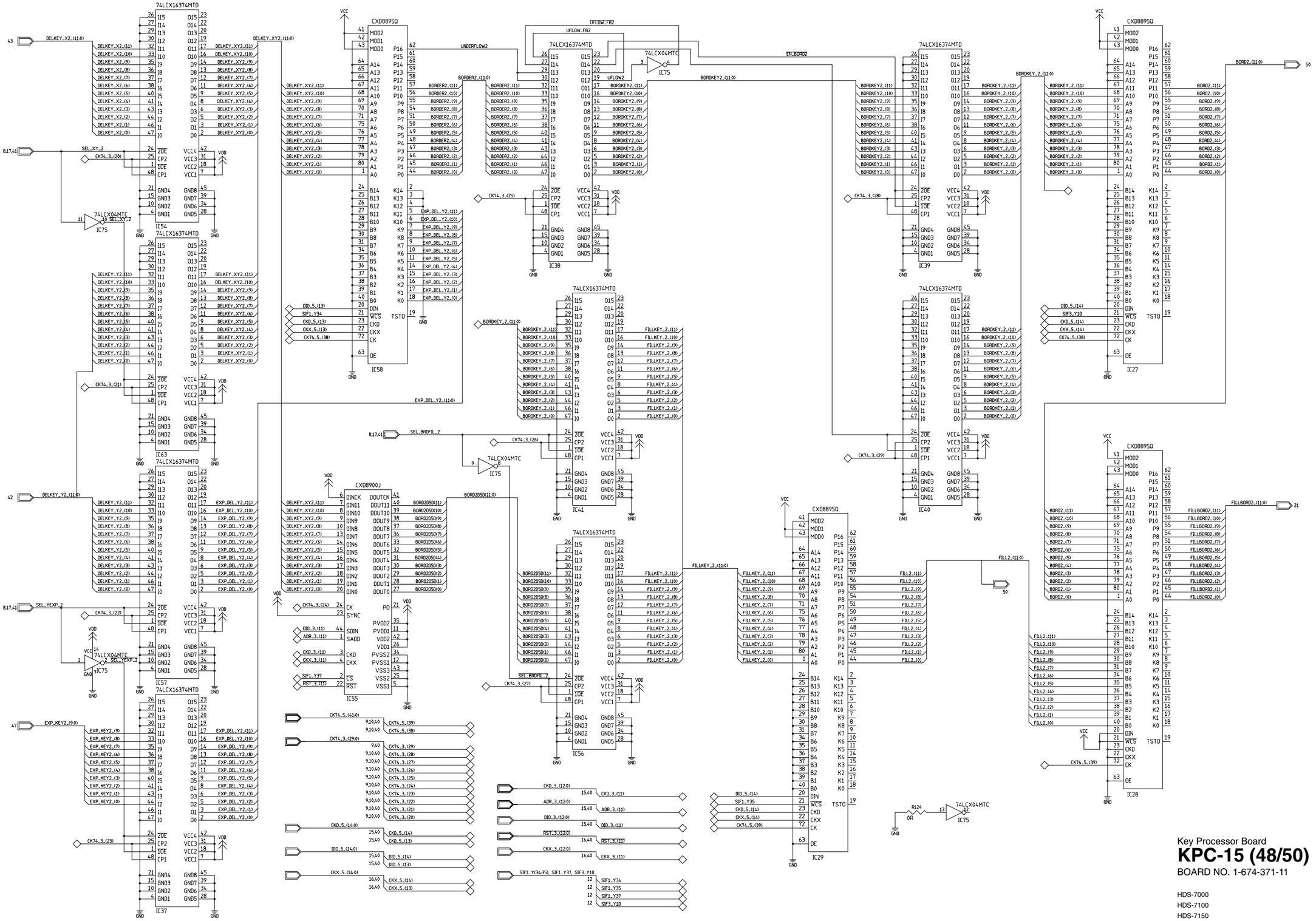
HDS-7000
HDS-7100
HDS-7150

KPC-15 (47/50)



Key Processor Board
KPC-15 (47/50)
BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

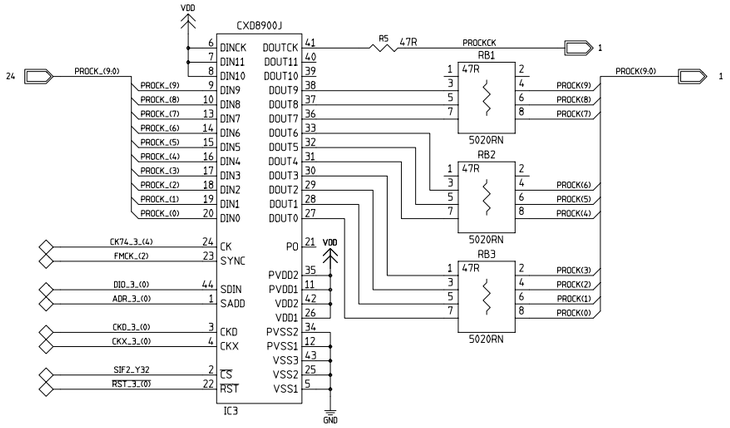


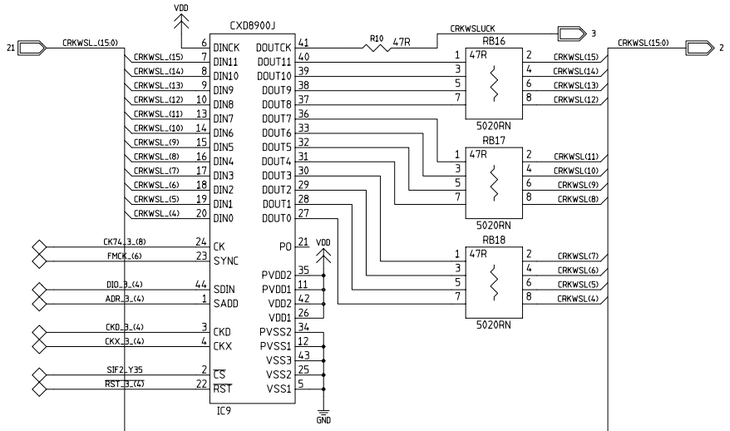
Key Processor Board

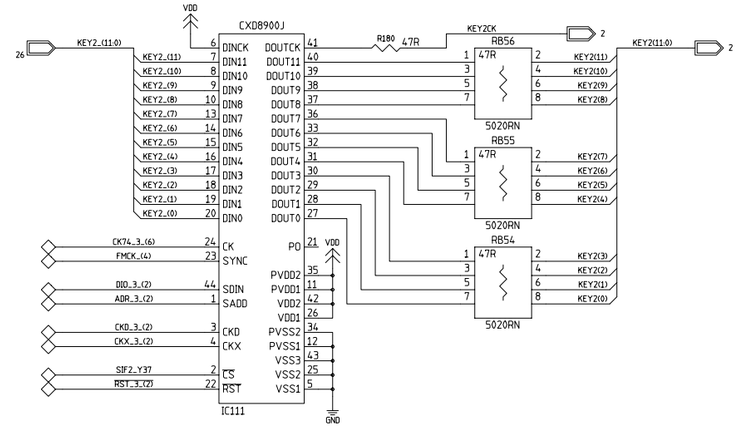
KPC-15 (48/50)

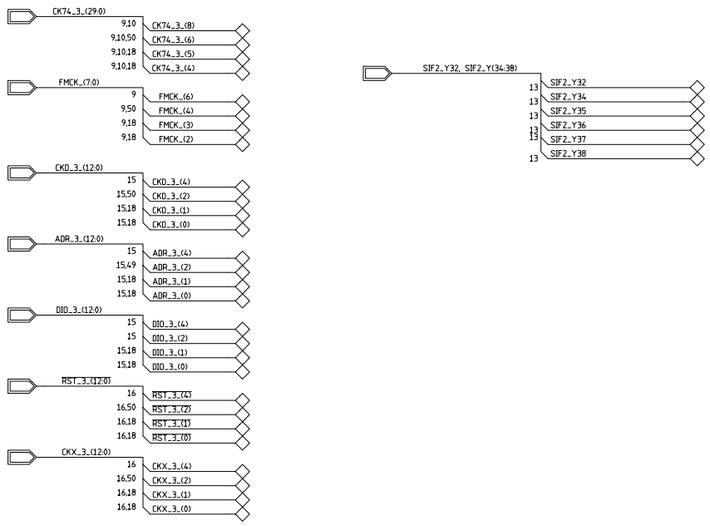
BOARD NO. 1-674-371-11

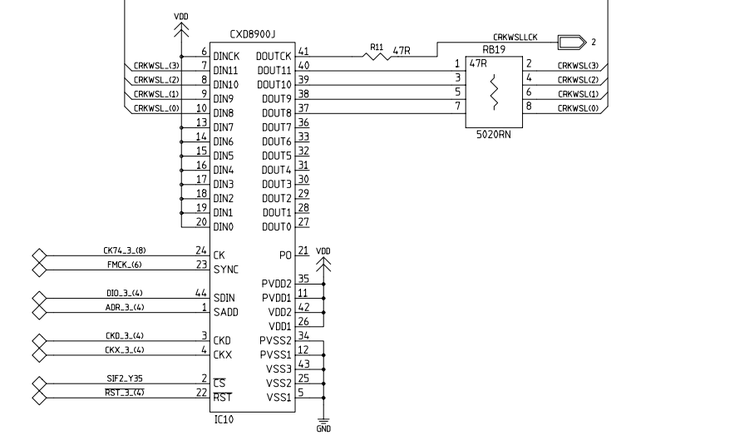
HDS-7000
HDS-7100
HDS-7150

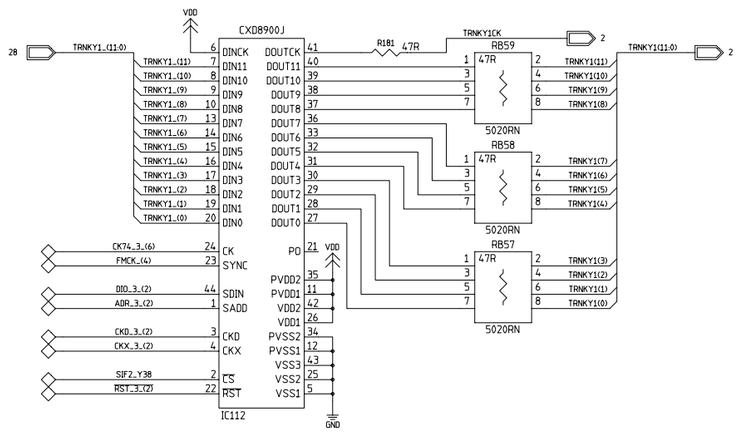


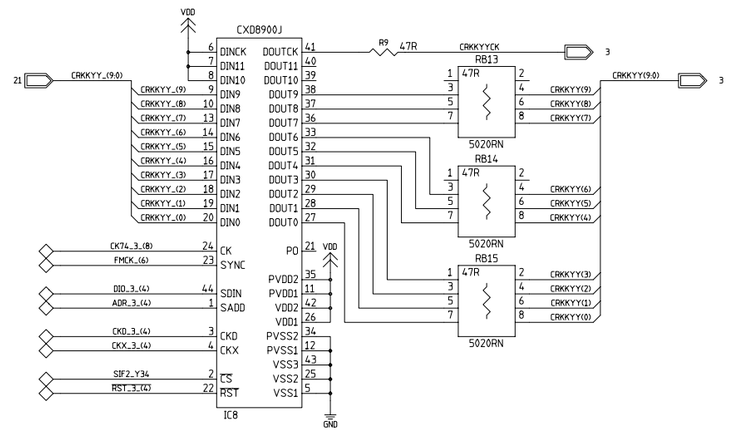


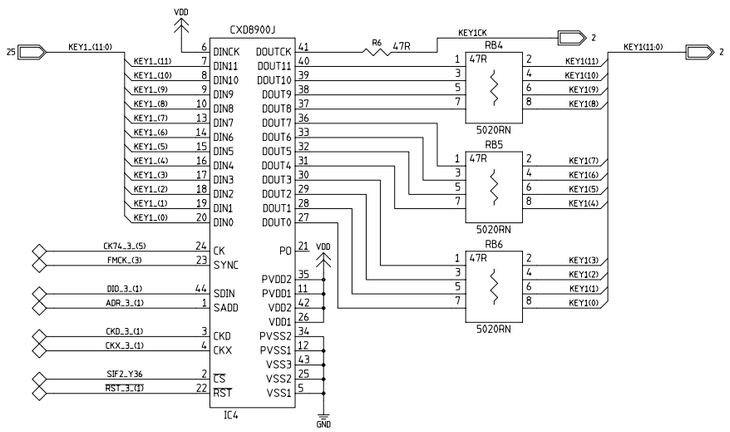


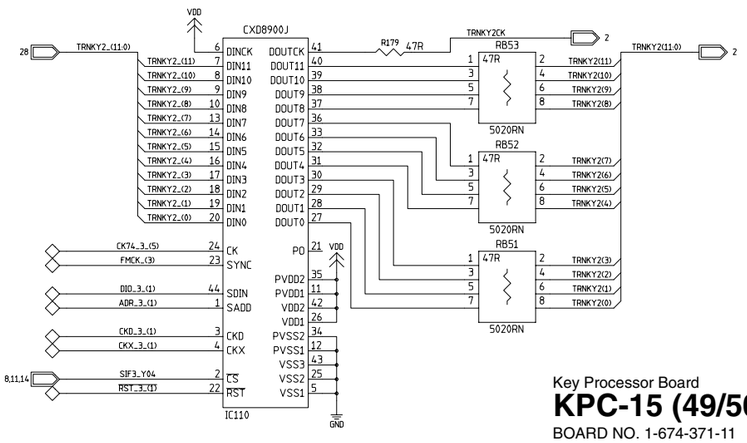












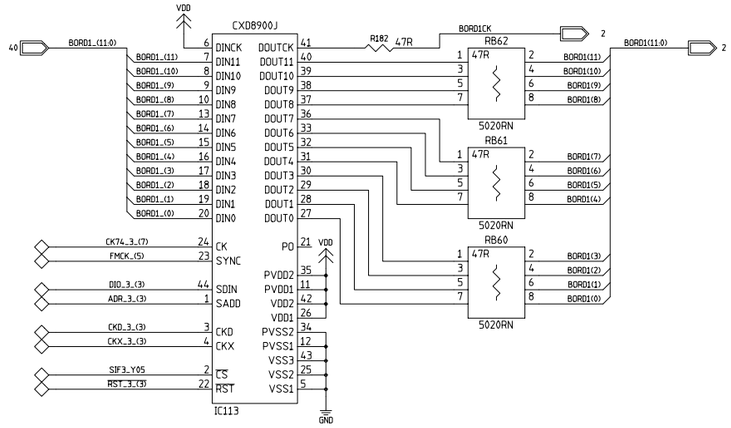
Key Processor Board

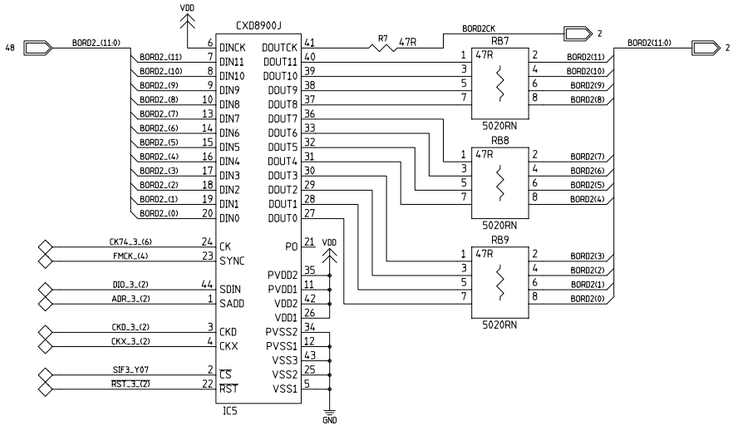
KPC-15 (49/50)

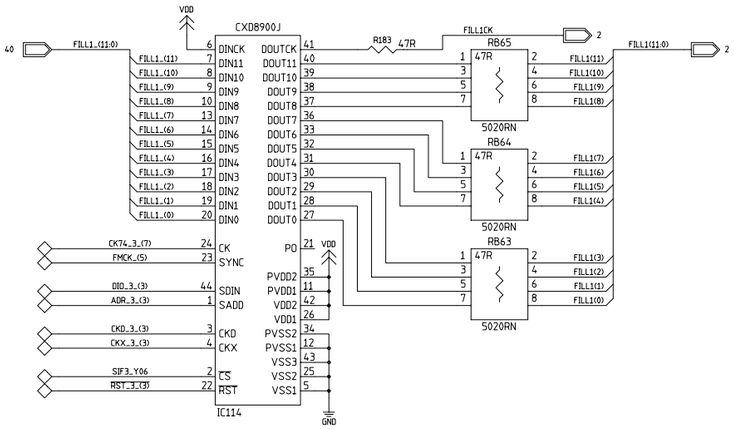
BOARD NO. 1-674-371-11

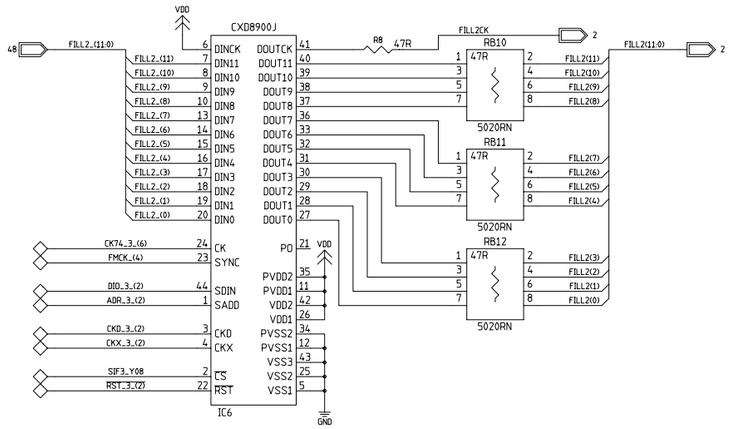
HDS-7000
HDS-7100
HDS-7150

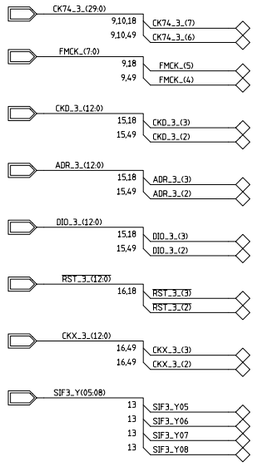
KPC-15 (50/50)











Key Processor Board

KPC-15 (50/50)

BOARD NO. 1-674-371-11

HDS-7000
HDS-7100
HDS-7150

268

CN101

4	P5VC	3	P5VC	2	P5VC	1	P5VCS+
8	P5VC	7	P5VC	6	P5VC	5	P5VCS-
12	P5VAS+	11	P5VA	10	P5VA	9	P5VA
16	P5VA	15	P5VA	14	P5VA	13	P5VA
20	P5VA	19	P5VA	18	P5VA	17	P5VA
24	P5VA	23	P5VA	22	P5VA	21	P5VA
28	P5VA	27	P5VA	26	P5VA	25	P5VA
32	P5VA	31	P5VA	30	GND	29	GND
36	P5VAS-	35	GND	34	GND	33	GND
40	GND	39	GND	38	GND	37	GND
44	GND	43	GND	42	GND	41	GND
48	GND	47	GND	46	GND	45	GND
52	GND	51	GND	50	GND	49	GND
56	DCERRM	55	ACERRM	54		53	

CN102

4	N5VS-	3	N5VS+	2	P3VS-	1	P3VS+
8	P3V	7	P3V	6	P3V	5	P3V
12	P3V	11	P3V	10	P3V	9	P3V
16	P3V	15	P3V	14	P3V	13	P3V
20	P3V	19	P3V	18	P3V	17	P3V
24	P3V	23	P3V	22	GND	21	GND
28	GND	27	GND	26	GND	25	GND
32	GND	31	GND	30	GND	29	GND
36	GND	35	GND	34	GND	33	GND
40	GND	39	GND	38	GND	37	GND
44	P12V	43	GND	42	GND	41	GND
48	P12V	47	GND	46	GND	45	GND
52	N5V	51	GND	50	GND	49	GND
56	P12VS-	55	P12VS+	54	N5V	53	GND

CPU-183-SLOT 1

CNV1

	A	B	C	D	E	F
1	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
2	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
3	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
4	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11						
12						
13						
14	GND	GND	GND	GND	GND	GND
15	CPUAD015	CPUAD014	GND	GND	CPUAD013	CPUAD012
16	CPUAD011	CPUAD010	GND	GND	CPUAD09	CPUAD08
17	CPUAD07	CPUAD06	GND	GND	CPUAD05	CPUAD04
18	CPUAD03	CPUAD02	GND	GND	CPUAD01	CPUAD00
19	GND	GND	GND	GND	GND	GND
20	CPUDAT15	CPUDAT14	GND	GND	CPUDAT13	CPUDAT12
21	CPUDAT11	CPUDAT10	GND	GND	CPUDAT9	CPUDAT8
22	CPUDAT7	CPUDAT6	GND	GND	CPUDAT5	CPUDAT4
23	CPUDAT3	CPUDAT2	GND	GND	CPUDAT1	CPUDAT0
24	GND	GND	GND	GND	GND	GND
25	CPURM	CPUSTRB	GND	GND	CPURST	CPUBSY
26	GND	GND	GND	GND	GND	GND
27			GND	GND		
28			GND	GND		
29			GND	GND		
30			GND	GND		
31			GND	GND		
32			GND	GND		
33			GND	GND		
34			GND	GND		
35			GND	GND		
36			GND	GND		
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNX1

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	ACERRM	ACERRS	GND	GND	DCERRM	DCERRS
12	FANERR		GND	GND		
13	GND	GND	GND	GND	GND	GND
14			GND	GND		
15			GND	GND		
16			GND	GND		
17			GND	GND		
18			GND	GND		
19			GND	GND		
20			GND	GND		
21			GND	GND		
22			GND	GND		
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	37CK0P	37CK0N	37CK1P	37CK1N	37CK2P	37CK2N
26	FWCK0P	FWCK0N	FWCK1P	FWCK1N	FWCK2P	FWCK2N
27	37CK3P	37CK3N	37CK4P	37CK4N	37CK5P	37CK5N
28	FWCK3P	FWCK3N	FWCK4P	FWCK4N	FWCK5P	FWCK5N
29	37CK6P	37CK6N	37CK7P	37CK7N	37CK8P	37CK8N
30	FWCK6P	FWCK6N	FWCK7P	FWCK7N	FWCK8P	FWCK8N
31	37CK9P	37CK9N	37CK10P	37CK10N	37CK11P	37CK11N
32	FWCK9P	FWCK9N	FWCK10P	FWCK10N	FWCK11P	FWCK11N
33	37CK12P	37CK12N	37CK13P	37CK13N	37CK14P	37CK14N
34	FWCK12P	FWCK12N	FWCK13P	FWCK13N	FWCK14P	FWCK14N
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

MY-65-SLOT 2

CNV2

	A	B	C	D	E	F
1	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
2	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
3	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
4	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	CPUAD015	CPUAD014	CPUAD013	CPUAD012	GND	GND
16	CPUAD011	CPUAD010	CPUAD09	CPUAD08	GND	GND
17	CPUAD07	CPUAD06	CPUAD05	CPUAD04	GND	GND
18	CPUAD03	CPUAD02	CPUAD01	CPUAD00	GND	GND
19	GND	GND	GND	GND	GND	GND
20	CPUDAT15	CPUDAT14	CPUDAT13	CPUDAT12	GND	GND
21	CPUDAT11	CPUDAT10	CPUDAT9	CPUDAT8	GND	GND
22	CPUDAT7	CPUDAT6	CPUDAT5	CPUDAT4	GND	GND
23	CPUDAT3	CPUDAT2	CPUDAT1	CPUDAT0	GND	GND
24	GND	GND	GND	GND	GND	GND
25	CPURM	CPUSTRB	CPURST	CPUBSY	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNW2

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	FWINC7	FWINC8	FWINC9	GND	GND	FWINCCK
3	FWINC2	FWINC3	FWINC4	FWINC5	FWINC6	GND
4	GND	GND	FWINC0	FWINC1	GND	GND
5	GND	GND	GND	GND	GND	GND
6	FWINY7	FWINY8	FWINY9	GND	GND	FWINYCK
7	FWINY2	FWINY3	FWINY4	FWINY5	FWINY6	GND
8	FWINK8	FWINK9	FWINY0	FWINY1	GND	FWINKCK
9	FWINK3	FWINK4	FWINK5	FWINK6	FWINK7	GND
10	GND	FWINK0	FWINK1	FWINK2	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNX2

	A	B	C	D	E	F
1	FWOUTK5	FWOUTK6	FWOUTK7	FWOUTK8	FWOUTK9	GND
2	FWOUTK1	FWOUTK2	FWOUTK3	FWOUTK4	GND	FWOUTKCK
3	GND	GND	GND	GND	FWOUTK0	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	ME1FWWSL12	ME1FWWSL13	ME1FWWSL14	ME1FWWSL15	GND	ME1FWWSLUCK
23	ME1FWWSL8	ME1FWWSL9	ME1FWWSL10	ME1FWWSL11	GND	GND
24	ME1FWWSL4	ME1FWWSL5	ME1FWWSL6	ME1FWWSL7	GND	ME1FWWSLLCK
25	ME1FWWSL0	ME1FWWSL1	ME1FWWSL2	ME1FWWSL3	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	ME2FWWSL12	ME2FWWSL13	ME2FWWSL14	ME2FWWSL15	GND	ME2FWWSLUCK
29	ME2FWWSL8	ME2FWWSL9	ME2FWWSL10	ME2FWWSL11	GND	GND
30	ME2FWWSL4	ME2FWWSL5	ME2FWWSL6	ME2FWWSL7	GND	ME2FWWSLLCK
31	ME2FWWSL0	ME2FWWSL1	ME2FWWSL2	ME2FWWSL3	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	ME3FWWSL12	ME3FWWSL13	ME3FWWSL14	ME3FWWSL15	GND	ME3FWWSLUCK
35	ME3FWWSL8	ME3FWWSL9	ME3FWWSL10	ME3FWWSL11	GND	GND
36	ME3FWWSL4	ME3FWWSL5	ME3FWWSL6	ME3FWWSL7	GND	ME3FWWSLLCK
37	ME3FWWSL0	ME3FWWSL1	ME3FWWSL2	ME3FWWSL3	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK0P	37CK0N	GND	FWCK0P	FWCK0N	GND

CRK-9-SLOT 3

CNV3

	A	B	C	D	E	F
1	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
2	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
3	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
4	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNW3

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	ME1CRKKYC6	ME1CRKKYC7	ME1CRKKYC8	ME1CRKKYC9	GND	ME1CRKKYCCK
11	ME1CRKKYC1	ME1CRKKYC2	ME1CRKKYC3	ME1CRKKYC4	ME1CRKKYC5	GND
12	GND	GND	GND	ME1CRKKYC0	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK1P	37CK1N	GND	FWCK1P	FWCK1N	GND

CNX3

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK1P	37CK1N	GND	FWCK1P	FWCK1N	GND

Motherboard
MB-494 (1/12)
BOARD NO. 1-646-568-11

HDS-7000

MB-494 (2/12)

CNY1

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	REFSYNC	GND	GND	ADVSYNC	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11						
12						
13						
14	PANEL1TXP	PANEL1TXN	PANEL1VDP	PANEL1VDN	PANEL1RXP	PANEL1RXN
15	TALLYTXP	TALLYTXN	GND	GND	TALLYRXP	TALLYRXN
16	ISRRXD	ISRRTS	GND	GND	ISRTXD	ISRCTS
17	GPIIN0	GPIIN1	GND	GND	GPIIN2	GPIIN3
18	GPIIN4	GPIIN5	GND	GND	GPIIN6	GPIIN7
19	GPIOUT0A	GPIOUT0B	GND	GND	GPIOUT1A	GPIOUT1B
20	GPIOUT2A	GPIOUT2B	GND	GND	GPIOUT3A	GPIOUT3B
21	GPIOUT4	GPIOUT5	GPIOUTCOM	GPIOUTCOM	GPIOUT6	GPIOUT7
22	DME1TXP	DME1TXN	GND	GND	DME1RXP	DME1RXN
23	DME2TXP	DME2TXN	GND	GND	DME2RXP	DME2RXN
24	DSKTXP	DSKTXN	GND	GND	DSKRXP	DSKRXN
25	AUX1TXP	AUX1TXN	GND	GND	AUX1RXP	AUX1RXN
26	AUX2TXP	AUX2TXN	GND	GND	AUX2RXP	AUX2RXN
27	MATRIXTXP	MATRIXTXN	GND	GND	MATRIXRXP	MATRIXRXN
28	EDIT1TXP	EDIT1TXN	GND	GND	EDIT1RXP	EDIT1RXN
29	EDIT2TXP	EDIT2TXN	GND	GND	EDIT2RXP	EDIT2RXN
30	PANEL2TXP	PANEL2TXN	PANEL2VDP	PANEL2VDN	PANEL2RXP	PANEL2RXN
31	GND	GND	GND	GND	GND	GND
32	ENETCOP	ENETCON	GND	GND	ENETTXP	ENETTXN
33	ENETRXP	ENETRXN	GND	GND		
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNY2

	A	B	C	D	E	F
1	CCRINC7	CCRINC8	GND	GND	CCRINC9	GND
2	CCRINC5	CCRINC6	GND	GND	GND	CCRINCCK
3	CCRINC2	CCRINC3	GND	GND	CCRINC4	GND
4	CCRINC0	CCRINC1	GND	GND	GND	GND
5	CCRINY7	CCRINY8	GND	GND	CCRINY9	GND
6	CCRINY5	CCRINY6	GND	GND	GND	CCRINYCK
7	CCRINY2	CCRINY3	GND	GND	CCRINY4	GND
8	CCRINY0	CCRINY1	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	SCSG7	SCSMSG	SCSREQ	SCSCD	GND	GND
27	SCSG9	SCSI0	SCSRST	SCSATN	GND	GND
28	SCSG14	SCSACK	SCSBSY	SCSSEL	GND	GND
29	SCSG16	SCSDBP	SCSDB0	SCSDB1	GND	GND
30	SCSG18	SCSDB2	SCSDB3	SCSDB4	GND	GND
31	SCSG24	SCSDB5	SCSDB6	SCSDB7	GND	GND
32	GND	SCSTERMW	SCSTERMW	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNY3

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNZ1

	A	B	C	D	E	F
1			GND	GND		
2			GND	GND		
3			GND	GND		
4			GND	GND		
5			GND	GND		
6			GND	GND		
7			GND	GND		
8			GND	GND		
9			GND	GND		
10			GND	GND		
11			GND	GND		
12			GND	GND		
13			GND	GND		
14			GND	GND		
15			GND	GND		
16			GND	GND		
17			GND	GND		
18			GND	GND		
19			GND	GND		
20			GND	GND		
21			GND	GND		
22			GND	GND		
23			GND	GND		
24			GND	GND		
25			GND	GND		
26			GND	GND		
27			GND	GND		
28			GND	GND		
29			GND	GND		
30			GND	GND		
31			GND	GND		
32			GND	GND		
33			GND	GND		
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	SAD3P	SAD3N	SDW3P	SDW3N	SCK3P	SCK3N
37	SAD2P	SAD2N	SDW2P	SDW2N	SCK2P	SCK2N
38	SAD1P	SAD1N	SDW1P	SDW1N	SCK1P	SCK1N
39	SAD0P	SAD0N	SDW0P	SDW0N	SCK0P	SCK0N
40	RST2	RST1	RST0	CKX2	CKX1	CKX0
41					SDRP	SDRN

CNZ2

	A	B	C	D	E	F
1	CCROUTC5	CCROUTC6	CCROUTC7	CCROUTC8	CCROUTC9	GND
2	CCROUTC1	CCROUTC2	CCROUTC3	CCROUTC4	GND	CCROUTCCK
3	GND	GND	GND	GND	CCROUTC0	GND
4	GND	GND	GND	GND	GND	GND
5	CCROUTY5	CCROUTY6	CCROUTY7	CCROUTY8	CCROUTY9	GND
6	CCROUTY1	CCROUTY2	CCROUTY3	CCROUTY4	GND	CCROUTYCK
7	GND	GND	GND	GND	CCROUTY0	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	SAD0P	SAD0N	SDW0P	SDW0N	RST2	GND
40	SCK0P	SCK0N	SDRP	SDRN	GND	GND
41					CKX2	GND

CNZ3

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	ME1CRKKYY8	ME1CRKKYY9	GND	GND	GND	ME1CRKKYYCK
3	ME1CRKKYY4	ME1CRKKYY5	ME1CRKKYY6	ME1CRKKYY7	GND	GND
4	ME1CRKKYY0	ME1CRKKYY1	ME1CRKKYY2	ME1CRKKYY3	GND	GND
5	GND	GND	GND	GND	GND	GND
6	ME1CRKWSL12	ME1CRKWSL13	ME1CRKWSL14	ME1CRKWSL15	GND	ME1CRKWSLUCK
7	ME1CRKWSL8	ME1CRKWSL9	ME1CRKWSL10	ME1CRKWSL11	GND	GND
8	ME1CRKWSL4	ME1CRKWSL5	ME1CRKWSL6	ME1CRKWSL7	GND	ME1CRKWSLLCK
9	ME1CRKWSL0	ME1CRKWSL1	ME1CRKWSL2	ME1CRKWSL3	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	ME1CRKMSKY8	ME1CRKMSKY9	GND	GND	GND	ME1CRKMSKYCK
13	ME1CRKMSKY4	ME1CRKMSKY5	ME1CRKMSKY6	ME1CRKMSKY7	GND	GND
14	ME1CRKMSKY0	ME1CRKMSKY1	ME1CRKMSKY2	ME1CRKMSKY3	GND	GND
15	GND	GND	GND	GND	GND	GND
16	ME1CRKFLY8	ME1CRKFLY9	GND	GND	GND	ME1CRKFLYCK
17	ME1CRKFLY4	ME1CRKFLY5	ME1CRKFLY6	ME1CRKFLY7	GND	GND
18	ME1CRKFLY0	ME1CRKFLY1	ME1CRKFLY2	ME1CRKFLY3	GND	GND
19	GND	GND	GND	GND	GND	GND
20	ME1CRKFLC8	ME1CRKFLC9	GND	GND	GND	ME1CRKFLCCK
21	ME1CRKFLC4	ME1CRKFLC5	ME1CRKFLC6	ME1CRKFLC7	GND	GND
22	ME1CRKFLC0	ME1CRKFLC1	ME1CRKFLC2	ME1CRKFLC3	GND	GND
23	GND	GND	GND	GND	GND	GND
24	ME1CRFILLY8	ME1CRFILLY9	ME1CRFILLY10	ME1CRFILLY11	GND	ME1CRFILLYCK
25	ME1CRFILLY4	ME1CRFILLY5	ME1CRFILLY6	ME1CRFILLY7	GND	GND
26	ME1CRFILLY0	ME1CRFILLY1	ME1CRFILLY2	ME1CRFILLY3	GND	GND
27	GND	GND	GND	GND	GND	GND
28	ME1CRFILLC8	ME1CRFILLC9	ME1CRFILLC10	ME1CRFILLC11	GND	ME1CRFILLCCK
29	ME1CRFILLC4	ME1CRFILLC5	ME1CRFILLC6	ME1CRFILLC7	GND	GND
30	ME1CRFILLC0	ME1CRFILLC1	ME1CRFILLC2	ME1CRFILLC3	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	SAD1P	SAD1N	SDW1P	SDW1N	RST2	GND
40	SCK1P	SCK1N	SDRP	SDRN	GND	GND
41					CKX2	GND

Motherboard
MB-494 (2/12)
BOARD NO. 1-646-568-11

HDS-7000

HDS-7000

270

MIX-13-SLOT 4

CNV4

	A	B	C	D	E	F
1	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
2	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
3	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
4	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13						GND
14					GND	
15	GND	GND	GND	GND		GND
16	GND	GND	GND	GND	GND	GND
17						GND
18					GND	
19	GND	GND	GND	GND		GND
20	GND	GND	GND	GND	GND	GND
21						GND
22					GND	
23	GND	GND	GND	GND		GND
24	GND	GND	GND	GND	GND	GND
25					GND	
26					GND	
27	ME1PVW1Y9	GND	GND	GND		GND
28	ME1PVW1Y5	ME1PVW1Y6	ME1PVW1Y7	ME1PVW1Y8	GND	ME1PVW1YCK
29	ME1PVW1Y0	ME1PVW1Y1	ME1PVW1Y2	ME1PVW1Y3	ME1PVW1Y4	GND
30	ME1PVW1C6	ME1PVW1C7	ME1PVW1C8	ME1PVW1C9	GND	ME1PVW1CCK
31	ME1PVW1C1	ME1PVW1C2	ME1PVW1C3	ME1PVW1C4	ME1PVW1C5	GND
32	ME1PGW1Y7	ME1PGW1Y8	ME1PGW1Y9	ME1PVW1C0	GND	ME1PGW1YCK
33	ME1PGW1Y2	ME1PGW1Y3	ME1PGW1Y4	ME1PGW1Y5	ME1PGW1Y6	GND
34	ME1PGW1C8	ME1PGW1C9	ME1PGW1Y0	ME1PGW1Y1	GND	ME1PGW1CCK
35	ME1PGW1C3	ME1PGW1C4	ME1PGW1C5	ME1PGW1C6	ME1PGW1C7	GND
36	ME1PGW1Y9	ME1PGW1C0	ME1PGW1C1	ME1PGW1C2	GND	GND
37	ME1PGW2Y4	ME1PGW2Y5	ME1PGW2Y6	ME1PGW2Y7	ME1PGW2Y8	GND
38	ME1PGW2Y0	ME1PGW2Y1	ME1PGW2Y2	ME1PGW2Y3	GND	ME1PGW2YCK
39	ME1PGW2C5	ME1PGW2C6	ME1PGW2C7	ME1PGW2C8	ME1PGW2C9	GND
40	ME1PGW2C1	ME1PGW2C2	ME1PGW2C3	ME1PGW2C4	GND	ME1PGW2CCK
41	GND	GND	GND	GND	ME1PGW2C0	GND

CNW4

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	ME1PROCFLY9	GND	GND	GND	GND	GND
32	ME1PROCFLY5	ME1PROCFLY6	ME1PROCFLY7	ME1PROCFLY8	GND	ME1PROCFLYCK
33	ME1PROCFLY0	ME1PROCFLY1	ME1PROCFLY2	ME1PROCFLY3	ME1PROCFLY4	GND
34	ME1PROCFLC9	GND	GND	GND	GND	ME1PROCFLCCK
35	ME1PROCFLC4	ME1PROCFLC5	ME1PROCFLC6	ME1PROCFLC7	ME1PROCFLC8	GND
36	ME1PROCFLC0	ME1PROCFLC1	ME1PROCFLC2	ME1PROCFLC3	GND	GND
37	GND	GND	GND	GND	GND	GND
38	ME1UTILK8	ME1UTILK9	GND	GND	GND	ME1UTILKCK
39	ME1UTILK4	ME1UTILK5	ME1UTILK6	ME1UTILK7	GND	GND
40	ME1UTILK0	ME1UTILK1	ME1UTILK2	ME1UTILK3	GND	GND
41	GND	GND	GND	GND	GND	GND

CNX4

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	ME1KEY18	ME1KEY19	ME1KEY110	ME1KEY111	GND	ME1KEY1CK
3	ME1KEY14	ME1KEY15	ME1KEY16	ME1KEY17	GND	GND
4	ME1KEY10	ME1KEY11	ME1KEY12	ME1KEY13	GND	GND
5	GND	GND	GND	GND	GND	GND
6	ME1KEY28	ME1KEY29	ME1KEY210	ME1KEY211	GND	ME1KEY2CK
7	ME1KEY24	ME1KEY25	ME1KEY26	ME1KEY27	GND	GND
8	ME1KEY20	ME1KEY21	ME1KEY22	ME1KEY23	GND	GND
9	GND	GND	GND	GND	GND	GND
10	ME1TRNKY18	ME1TRNKY19	ME1TRNKY110	ME1TRNKY111	GND	ME1TRNKY1CK
11	ME1TRNKY14	ME1TRNKY15	ME1TRNKY16	ME1TRNKY17	GND	GND
12	ME1TRNKY10	ME1TRNKY11	ME1TRNKY12	ME1TRNKY13	GND	GND
13	GND	GND	GND	GND	GND	GND
14	ME1TRNKY28	ME1TRNKY29	ME1TRNKY210	ME1TRNKY211	GND	ME1TRNKY2CK
15	ME1TRNKY24	ME1TRNKY25	ME1TRNKY26	ME1TRNKY27	GND	GND
16	ME1TRNKY20	ME1TRNKY21	ME1TRNKY22	ME1TRNKY23	GND	GND
17	GND	GND	GND	GND	GND	GND
18	ME1BORD18	ME1BORD19	ME1BORD110	ME1BORD111	GND	ME1BORD1CK
19	ME1BORD14	ME1BORD15	ME1BORD16	ME1BORD17	GND	GND
20	ME1BORD10	ME1BORD11	ME1BORD12	ME1BORD13	GND	GND
21	GND	GND	GND	GND	GND	GND
22	ME1BORD28	ME1BORD29	ME1BORD210	ME1BORD211	GND	ME1BORD2CK
23	ME1BORD24	ME1BORD25	ME1BORD26	ME1BORD27	GND	GND
24	ME1BORD20	ME1BORD21	ME1BORD22	ME1BORD23	GND	GND
25	GND	GND	GND	GND	GND	GND
26	ME1FILL18	ME1FILL19	ME1FILL110	ME1FILL111	GND	ME1FILL1CK
27	ME1FILL14	ME1FILL15	ME1FILL16	ME1FILL17	GND	GND
28	ME1FILL10	ME1FILL11	ME1FILL12	ME1FILL13	GND	GND
29	GND	GND	GND	GND	GND	GND
30	ME1FILL28	ME1FILL29	ME1FILL210	ME1FILL211	GND	ME1FILL2CK
31	ME1FILL24	ME1FILL25	ME1FILL26	ME1FILL27	GND	GND
32	ME1FILL20	ME1FILL21	ME1FILL22	ME1FILL23	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK2P	37CK2N	GND	FWCK2P	FWCK2N	GND

KPC-3-SLOT 5

CNV5

	A	B	C	D	E	F
1	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
2	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
3	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
4	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNW5

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	ME1KYSC1Y7	ME1KYSC1Y8	ME1KYSC1Y9	GND	GND	GND
8	ME1KYSC1Y3	ME1KYSC1Y4	ME1KYSC1Y5	ME1KYSC1Y6	GND	ME1KYSC1YCK
9	GND	GND	ME1KYSC1Y0	ME1KYSC1Y1	ME1KYSC1Y2	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	ME1KYSC2Y6	ME1KYSC2Y7	ME1KYSC2Y8	ME1KYSC2Y9	GND	ME1KYSC2YCK
15	ME1KYSC2Y1	ME1KYSC2Y2	ME1KYSC2Y3	ME1KYSC2Y4	ME1KYSC2Y5	GND
16	GND	GND	GND	ME1KYSC2Y0	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	ME1PRKY9	GND	GND	GND	GND	GND
21	ME1PRKY4	ME1PRKY5	ME1PRKY6	ME1PRKY7	ME1PRKY8	GND
22	ME1PRKY0	ME1PRKY1	ME1PRKY2	ME1PRKY3	GND	ME1PRKYCK
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	ME1PROCK6	ME1PROCK7	ME1PROCK8	ME1PROCK9	GND	GND
26	ME1PROCK2	ME1PROCK3	ME1PROCK4	ME1PROCK5	GND	ME1PROCKCK
27	GND	GND	GND	ME1PROCK0	ME1PROCK1	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	ME1CRKEY18	ME1CRKEY19	ME1CRKEY110	ME1CRKEY111	GND	ME1CRKEY1CK
31	ME1CRKEY14	ME1CRKEY15	ME1CRKEY16	ME1CRKEY17	GND	GND
32	ME1CRKEY10	ME1CRKEY11	ME1CRKEY12	ME1CRKEY13	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	ME1UTILK8	ME1UTILK9	GND	GND	GND	ME1UTILKCK
39	ME1UTILK4	ME1UTILK5	ME1UTILK6	ME1UTILK7	GND	GND
40	ME1UTILK0	ME1UTILK1	ME1UTILK2	ME1UTILK3	GND	GND
41	GND	GND	GND	GND	GND	GND

CNX5

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	ME1KEY18	ME1KEY19	ME1KEY110	ME1KEY111	GND	ME1KEY1CK
3	ME1KEY14	ME1KEY15	ME1KEY16	ME1KEY17	GND	GND
4	ME1KEY10	ME1KEY11	ME1KEY12	ME1KEY13	GND	GND
5	GND	GND	GND	GND	GND	GND
6	ME1KEY28	ME1KEY29	ME1KEY210	ME1KEY211	GND	ME1KEY2CK
7	ME1KEY24	ME1KEY25	ME1KEY26	ME1KEY27	GND	GND
8	ME1KEY20	ME1KEY21	ME1KEY22	ME1KEY23	GND	GND
9	GND	GND	GND	GND	GND	GND
10	ME1TRNKY18	ME1TRNKY19	ME1TRNKY110	ME1TRNKY111	GND	ME1TRNKY1CK
11	ME1TRNKY14	ME1TRNKY15	ME1TRNKY16	ME1TRNKY17	GND	GND
12	ME1TRNKY10	ME1TRNKY11	ME1TRNKY12	ME1TRNKY13	GND	GND
13	GND	GND	GND	GND	GND	GND
14	ME1TRNKY28	ME1TRNKY29	ME1TRNKY210	ME1TRNKY211	GND	ME1TRNKY2CK
15	ME1TRNKY24	ME1TRNKY25	ME1TRNKY26	ME1TRNKY27	GND	GND
16	ME1TRNKY20	ME1TRNKY21	ME1TRNKY22	ME1TRNKY23	GND	GND
17	GND	GND	GND	GND	GND	GND
18	ME1BORD18	ME1BORD19	ME1BORD110	ME1BORD111	GND	ME1BORD1CK
19	ME1BORD14	ME1BORD15	ME1BORD16	ME1BORD17	GND	GND
20	ME1BORD10	ME1BORD11	ME1BORD12	ME1BORD13	GND	GND
21	GND	GND	GND	GND	GND	GND
22	ME1BORD28	ME1BORD29	ME1BORD210	ME1BORD211	GND	ME1BORD2CK
23	ME1BORD24	ME1BORD25	ME1BORD26	ME1BORD27	GND	GND
24	ME1BORD20	ME1BORD21	ME1BORD22	ME1BORD23	GND	GND
25	GND	GND	GND	GND	GND	GND
26	ME1FILL18	ME1FILL19	ME1FILL110	ME1FILL111	GND	ME1FILL1CK
27	ME1FILL14	ME1FILL15	ME1FILL16	ME1FILL17	GND	GND
28	ME1FILL10	ME1FILL11	ME1FILL12	ME1FILL13	GND	GND
29	GND	GND	GND	GND	GND	GND
30	ME1FILL28	ME1FILL29	ME1FILL210	ME1FILL211	GND	ME1FILL2CK
31	ME1FILL24	ME1FILL25	ME1FILL26	ME1FILL27	GND	GND
32	ME1FILL20	ME1FILL21	ME1FILL22	ME1FILL23	GND	GND
33	GND	GND	GND	GND	GND	GND
34	ME1FWSL12	ME1FWSL13	ME1FWSL14	ME1FWSL15	GND	ME1FWSLUCK
35	ME1FWSL8	ME1FWSL9	ME1FWSL10	ME1FWSL11	GND	GND
36	ME1FWSL4	ME1FWSL5	ME1FWSL6	ME1FWSL7	GND	ME1FWSLLCK
37	ME1FWSL0	ME1FWSL1	ME1FWSL2	ME1FWSL3	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK3P	37CK3N	GND	FWCK3P	FWCK3N	GND

CRK-9-SLOT 6

CNV6

	A	B	C	D	E	F
1	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
2	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
3	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
4	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNW6

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	ME2CRKKYC6	ME2CRKKYC7	ME2CRKKYC8	ME2CRKKYC9	GND	ME2CRKKYCCK
11	ME2CRKKYC1	ME2CRKKYC2	ME2CRKKYC3	ME2CRKKYC4	ME2CRKKYC5	GND
12	GND	GND	GND	ME2CRKKYC0	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNX6

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK4P	37CK4N	GND	FWCK4P	FWCK4N	GND

Motherboard
MB-494 (3/12)
BOARD NO. 1-646-568-11

HDS-7000

CNY4

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	ME1BKGDAY6	ME1BKGDAY7	ME1BKGDAY8	ME1BKGDAY9	GND	GND
4	ME1BKGDAY2	ME1BKGDAY3	ME1BKGDAY4	ME1BKGDAY5	GND	ME1BKGDAYCK
5	ME1BKGDAC7	ME1BKGDAC8	ME1BKGDAC9	ME1BKGDAY0	ME1BKGDAY1	GND
6	ME1BKGDAC3	ME1BKGDAC4	ME1BKGDAC5	ME1BKGDAC6	GND	ME1BKGDACCK
7	GND	GND	ME1BKGDAC0	ME1BKGDAC1	ME1BKGDAC2	GND
8	GND	GND	GND	GND	GND	GND
9	ME1BKGDBY9	GND	GND	GND	GND	GND
10	ME1BKGDBY5	ME1BKGDBY6	ME1BKGDBY7	ME1BKGDBY8	GND	ME1BKGDBYCK
11	ME1BKGDBY0	ME1BKGDBY1	ME1BKGDBY2	ME1BKGDBY3	ME1BKGDBY4	GND
12	ME1BKGDBC6	ME1BKGDBC7	ME1BKGDBC8	ME1BKGDBC9	GND	ME1BKGDBCCK
13	ME1BKGDBC1	ME1BKGDBC2	ME1BKGDBC3	ME1BKGDBC4	ME1BKGDBC5	GND
14	GND	GND	GND	ME1BKGDBC0	GND	GND
15	GND	GND	GND	GND	GND	GND
16	ME1KYFL1Y8	ME1KYFL1Y9	GND	GND	GND	ME1KYFL1YCK
17	ME1KYFL1Y3	ME1KYFL1Y4	ME1KYFL1Y5	ME1KYFL1Y6	ME1KYFL1Y7	GND
18	ME1KYFL1C9	ME1KYFL1Y0	ME1KYFL1Y1	ME1KYFL1Y2	GND	GND
19	ME1KYFL1C4	ME1KYFL1C5	ME1KYFL1C6	ME1KYFL1C7	ME1KYFL1C8	GND
20	ME1KYFL1C0	ME1KYFL1C1	ME1KYFL1C2	ME1KYFL1C3	GND	ME1KYFL1CCK
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	ME1KYFL2Y6	ME1KYFL2Y7	ME1KYFL2Y8	ME1KYFL2Y9	GND	GND
24	ME1KYFL2Y2	ME1KYFL2Y3	ME1KYFL2Y4	ME1KYFL2Y5	GND	ME1KYFL2YCK
25	ME1KYFL2C7	ME1KYFL2C8	ME1KYFL2C9	ME1KYFL2Y0	ME1KYFL2Y1	GND
26	ME1KYFL2C3	ME1KYFL2C4	ME1KYFL2C5	ME1KYFL2C6	GND	ME1KYFL2CCK
27	GND	GND	ME1KYFL2C0	ME1KYFL2C1	ME1KYFL2C2	GND
28	GND	GND	GND	GND	GND	GND
29	ME1UTILY9	GND	GND	GND	GND	GND
30	ME1UTILY5	ME1UTILY6	ME1UTILY7	ME1UTILY8	GND	ME1UTILYCK
31	ME1UTILY0	ME1UTILY1	ME1UTILY2	ME1UTILY3	ME1UTILY4	GND
32	ME1UTILC6	ME1UTILC7	ME1UTILC8	ME1UTILC9	GND	ME1UTILCCK
33	ME1UTILC1	ME1UTILC2	ME1UTILC3	ME1UTILC4	ME1UTILC5	GND
34	GND	GND	GND	ME1UTILC0	GND	GND
35	GND	GND	GND	GND	GND	GND
36	ME1PRFLC8	ME1PRFLC9	GND	GND	GND	ME1PRFLCCK
37	ME1PRFLC3	ME1PRFLC4	ME1PRFLC5	ME1PRFLC6	ME1PRFLC7	GND
38	ME1PRFLY9	ME1PRFLC0	ME1PRFLC1	ME1PRFLC2	GND	GND
39	ME1PRFLY4	ME1PRFLY5	ME1PRFLY6	ME1PRFLY7	ME1PRFLY8	GND
40	ME1PRFLY0	ME1PRFLY1	ME1PRFLY2	ME1PRFLY3	GND	ME1PRFLYCK
41	GND	GND	GND	GND	GND	GND

CNY5

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNY6

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNZ4

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	ME1CRKMSKY8	ME1CRKMSKY9	GND	GND	GND	ME1CRKMSKYCK
13	ME1CRKMSKY4	ME1CRKMSKY5	ME1CRKMSKY6	ME1CRKMSKY7	GND	GND
14	ME1CRKMSKY0	ME1CRKMSKY1	ME1CRKMSKY2	ME1CRKMSKY3	GND	GND
15	GND	GND	GND	GND	GND	GND
16	ME1CRKFLY8	ME1CRKFLY9	GND	GND	GND	ME1CRKFLYCK
17	ME1CRKFLY4	ME1CRKFLY5	ME1CRKFLY6	ME1CRKFLY7	GND	GND
18	ME1CRKFLY0	ME1CRKFLY1	ME1CRKFLY2	ME1CRKFLY3	GND	GND
19	GND	GND	GND	GND	GND	GND
20	ME1CRKFLC8	ME1CRKFLC9	GND	GND	GND	ME1CRKFLCCK
21	ME1CRKFLC4	ME1CRKFLC5	ME1CRKFLC6	ME1CRKFLC7	GND	GND
22	ME1CRKFLC0	ME1CRKFLC1	ME1CRKFLC2	ME1CRKFLC3	GND	GND
23	GND	GND	GND	GND	GND	GND
24	ME1CRFILLY8	ME1CRFILLY9	ME1CRFILLY10	ME1CRFILLY11	GND	ME1CRFILLYCK
25	ME1CRFILLY4	ME1CRFILLY5	ME1CRFILLY6	ME1CRFILLY7	GND	GND
26	ME1CRFILLY0	ME1CRFILLY1	ME1CRFILLY2	ME1CRFILLY3	GND	GND
27	GND	GND	GND	GND	GND	GND
28	ME1CRFILLC8	ME1CRFILLC9	ME1CRFILLC10	ME1CRFILLC11	GND	ME1CRFILLCCK
29	ME1CRFILLC4	ME1CRFILLC5	ME1CRFILLC6	ME1CRFILLC7	GND	GND
30	ME1CRFILLC0	ME1CRFILLC1	ME1CRFILLC2	ME1CRFILLC3	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	SAD1P	SAD1N	SDW1P	SDW1N	RST2	GND
40	SCK1P	SCK1N	SDRP	SDRN	GND	GND
41					CKX2	GND

CNZ5

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	ME1CRKKYY8	ME1CRKKYY9	GND	GND	GND	ME1CRKKYYCK
3	ME1CRKKYY4	ME1CRKKYY5	ME1CRKKYY6	ME1CRKKYY7	GND	GND
4	ME1CRKKYY0	ME1CRKKYY1	ME1CRKKYY2	ME1CRKKYY3	GND	GND
5	GND	GND	GND	GND	GND	GND
6	ME1CRKWSL12	ME1CRKWSL13	ME1CRKWSL14	ME1CRKWSL15	GND	ME1CRKWSLUCK
7	ME1CRKWSL8	ME1CRKWSL9	ME1CRKWSL10	ME1CRKWSL11	GND	GND
8	ME1CRKWSL4	ME1CRKWSL5	ME1CRKWSL6	ME1CRKWSL7	GND	ME1CRKWSLLCK
9	ME1CRKWSL0	ME1CRKWSL1	ME1CRKWSL2	ME1CRKWSL3	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	SAD1P	SAD1N	SDW1P	SDW1N	RST2	GND
40	SCK1P	SCK1N	SDRP	SDRN	GND	GND
41					CKX2	GND

CNZ6

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	ME2CRKKYY8	ME2CRKKYY9	GND	GND	GND	ME2CRKKYYCK
3	ME2CRKKYY4	ME2CRKKYY5	ME2CRKKYY6	ME2CRKKYY7	GND	GND
4	ME2CRKKYY0	ME2CRKKYY1	ME2CRKKYY2	ME2CRKKYY3	GND	GND
5	GND	GND	GND	GND	GND	GND
6	ME2CRKWSL12	ME2CRKWSL13	ME2CRKWSL14	ME2CRKWSL15	GND	ME2CRKWSLUCK
7	ME2CRKWSL8	ME2CRKWSL9	ME2CRKWSL10	ME2CRKWSL11	GND	GND
8	ME2CRKWSL4	ME2CRKWSL5	ME2CRKWSL6	ME2CRKWSL7	GND	ME2CRKWSLLCK
9	ME2CRKWSL0	ME2CRKWSL1	ME2CRKWSL2	ME2CRKWSL3	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	ME2CRKMSKY8	ME2CRKMSKY9	GND	GND	GND	ME2CRKMSKYCK
13	ME2CRKMSKY4	ME2CRKMSKY5	ME2CRKMSKY6	ME2CRKMSKY7	GND	GND
14	ME2CRKMSKY0	ME2CRKMSKY1	ME2CRKMSKY2	ME2CRKMSKY3	GND	GND
15	GND	GND	GND	GND	GND	GND
16	ME2CRKFLY8	ME2CRKFLY9	GND	GND	GND	ME2CRKFLYCK
17	ME2CRKFLY4	ME2CRKFLY5	ME2CRKFLY6	ME2CRKFLY7	GND	GND
18	ME2CRKFLY0	ME2CRKFLY1	ME2CRKFLY2	ME2CRKFLY3	GND	GND
19	GND	GND	GND	GND	GND	GND
20	ME2CRKFLC8	ME2CRKFLC9	GND	GND	GND	ME2CRKFLCCK
21	ME2CRKFLC4	ME2CRKFLC5	ME2CRKFLC6	ME2CRKFLC7	GND	GND
22	ME2CRKFLC0	ME2CRKFLC1	ME2CRKFLC2	ME2CRKFLC3	GND	GND
23	GND	GND	GND	GND	GND	GND
24	ME2CRFILLY8	ME2CRFILLY9	ME2CRFILLY10	ME2CRFILLY11	GND	ME2CRFILLYCK
25	ME2CRFILLY4	ME2CRFILLY5	ME2CRFILLY6	ME2CRFILLY7	GND	GND
26	ME2CRFILLY0	ME2CRFILLY1	ME2CRFILLY2	ME2CRFILLY3	GND	GND
27	GND	GND	GND	GND	GND	GND
28	ME2CRFILLC8	ME2CRFILLC9	ME2CRFILLC10	ME2CRFILLC11	GND	ME2CRFILLCCK
29	ME2CRFILLC4	ME2CRFILLC5	ME2CRFILLC6	ME2CRFILLC7	GND	GND
30	ME2CRFILLC0	ME2CRFILLC1	ME2CRFILLC2	ME2CRFILLC3	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	SAD2P	SAD2N	SDW2P	SDW2N	RST2	GND
40	SCK2P	SCK2N	SDRP	SDRN	GND	GND
41					CKX2	GND

Motherboard
MB-494 (4/12)
BOARD NO. 1-646-568-11

HDS-7000

HDS-7000

MIX-13-SLOT 7

CNV7

	A	B	C	D	E	F
1	PSVA	PSVA	PSVA	PSVA	PSVA	PSVA
2	PSVA	PSVA	PSVA	PSVA	PSVA	PSVA
3	PSVA	PSVA	PSVA	PSVA	PSVA	PSVA
4	PSVA	PSVA	PSVA	PSVA	PSVA	PSVA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13						GND
14					GND	
15	GND	GND	GND	GND		GND
16	GND	GND	GND	GND	GND	GND
17						GND
18					GND	
19	GND	GND	GND	GND		GND
20	GND	GND	GND	GND	GND	GND
21						GND
22					GND	
23	GND	GND	GND	GND		GND
24	GND	GND	GND	GND	GND	GND
25						GND
26					GND	
27	WE2PVW1Y9	GND	GND	GND		GND
28	WE2PVW1Y5	WE2PVW1Y6	WE2PVW1Y7	WE2PVW1Y8	GND	WE2PVW1YCK
29	WE2PVW1Y0	WE2PVW1Y1	WE2PVW1Y2	WE2PVW1Y3	WE2PVW1Y4	GND
30	WE2PVW1C6	WE2PVW1C7	WE2PVW1C8	WE2PVW1C9	GND	WE2PVW1CCK
31	WE2PVW1C1	WE2PVW1C2	WE2PVW1C3	WE2PVW1C4	WE2PVW1C5	GND
32	WE2PGW1Y7	WE2PGW1Y8	WE2PGW1Y9	WE2PVW1C0	GND	WE2PGW1YCK
33	WE2PGW1Y2	WE2PGW1Y3	WE2PGW1Y4	WE2PGW1Y5	WE2PGW1Y6	GND
34	WE2PGW1C8	WE2PGW1C9	WE2PGW1Y0	WE2PGW1Y1	GND	WE2PGW1CCK
35	WE2PGW1C3	WE2PGW1C4	WE2PGW1C5	WE2PGW1C6	WE2PGW1C7	GND
36	WE2PGW2Y9	WE2PGW1C0	WE2PGW1C1	WE2PGW1C2	GND	GND
37	WE2PGW2Y4	WE2PGW2Y5	WE2PGW2Y6	WE2PGW2Y7	WE2PGW2Y8	GND
38	WE2PGW2Y0	WE2PGW2Y1	WE2PGW2Y2	WE2PGW2Y3	GND	WE2PGW2YCK
39	WE2PGW2C5	WE2PGW2C6	WE2PGW2C7	WE2PGW2C8	WE2PGW2C9	GND
40	WE2PGW2C1	WE2PGW2C2	WE2PGW2C3	WE2PGW2C4	GND	WE2PGW2CCK
41	GND	GND	GND	GND	WE2PGW2C0	GND

CNW7

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNX7

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	WE2KEY18	WE2KEY19	WE2KEY110	WE2KEY111	GND	WE2KEY1CK
3	WE2KEY14	WE2KEY15	WE2KEY16	WE2KEY17	GND	GND
4	WE2KEY10	WE2KEY11	WE2KEY12	WE2KEY13	GND	GND
5	GND	GND	GND	GND	GND	GND
6	WE2KEY28	WE2KEY29	WE2KEY210	WE2KEY211	GND	WE2KEY2CK
7	WE2KEY24	WE2KEY25	WE2KEY26	WE2KEY27	GND	GND
8	WE2KEY20	WE2KEY21	WE2KEY22	WE2KEY23	GND	GND
9	GND	GND	GND	GND	GND	GND
10	WE2TRNKY18	WE2TRNKY19	WE2TRNKY110	WE2TRNKY111	GND	WE2TRNKY1CK
11	WE2TRNKY14	WE2TRNKY15	WE2TRNKY16	WE2TRNKY17	GND	GND
12	WE2TRNKY10	WE2TRNKY11	WE2TRNKY12	WE2TRNKY13	GND	GND
13	GND	GND	GND	GND	GND	GND
14	WE2TRNKY28	WE2TRNKY29	WE2TRNKY210	WE2TRNKY211	GND	WE2TRNKY2CK
15	WE2TRNKY24	WE2TRNKY25	WE2TRNKY26	WE2TRNKY27	GND	GND
16	WE2TRNKY20	WE2TRNKY21	WE2TRNKY22	WE2TRNKY23	GND	GND
17	GND	GND	GND	GND	GND	GND
18	WE2BORD18	WE2BORD19	WE2BORD110	WE2BORD111	GND	WE2BORD1CK
19	WE2BORD14	WE2BORD15	WE2BORD16	WE2BORD17	GND	GND
20	WE2BORD10	WE2BORD11	WE2BORD12	WE2BORD13	GND	GND
21	GND	GND	GND	GND	GND	GND
22	WE2BORD28	WE2BORD29	WE2BORD210	WE2BORD211	GND	WE2BORD2CK
23	WE2BORD24	WE2BORD25	WE2BORD26	WE2BORD27	GND	GND
24	WE2BORD20	WE2BORD21	WE2BORD22	WE2BORD23	GND	GND
25	GND	GND	GND	GND	GND	GND
26	WE2FILL18	WE2FILL19	WE2FILL110	WE2FILL111	GND	WE2FILL1CK
27	WE2FILL14	WE2FILL15	WE2FILL16	WE2FILL17	GND	GND
28	WE2FILL10	WE2FILL11	WE2FILL12	WE2FILL13	GND	GND
29	GND	GND	GND	GND	GND	GND
30	WE2FILL28	WE2FILL29	WE2FILL210	WE2FILL211	GND	WE2FILL2CK
31	WE2FILL24	WE2FILL25	WE2FILL26	WE2FILL27	GND	GND
32	WE2FILL20	WE2FILL21	WE2FILL22	WE2FILL23	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK5P	37CK5N	GND	FWCK5P	FWCK5N	GND

KPC-3-SLOT 8

CNV8

	A	B	C	D	E	F
1	PSVA	PSVA	PSVA	PSVA	PSVA	PSVA
2	PSVA	PSVA	PSVA	PSVA	PSVA	PSVA
3	PSVA	PSVA	PSVA	PSVA	PSVA	PSVA
4	PSVA	PSVA	PSVA	PSVA	PSVA	PSVA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNW8

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	WE2KYSC1Y7	WE2KYSC1Y8	WE2KYSC1Y9	GND	GND	GND
8	WE2KYSC1Y3	WE2KYSC1Y4	WE2KYSC1Y5	WE2KYSC1Y6	GND	WE2KYSC1YCK
9	GND	GND	WE2KYSC1Y0	WE2KYSC1Y1	WE2KYSC1Y2	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	WE2KYSC2Y6	WE2KYSC2Y7	WE2KYSC2Y8	WE2KYSC2Y9	GND	WE2KYSC2YCK
15	WE2KYSC2Y1	WE2KYSC2Y2	WE2KYSC2Y3	WE2KYSC2Y4	WE2KYSC2Y5	GND
16	GND	GND	GND	WE2KYSC2Y0	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	WE2PRKYY9	GND	GND	GND	GND	GND
21	WE2PRKYY4	WE2PRKYY5	WE2PRKYY6	WE2PRKYY7	WE2PRKYY8	GND
22	WE2PRKYY0	WE2PRKYY1	WE2PRKYY2	WE2PRKYY3	GND	WE2PRKYYCK
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	WE2PROCK6	WE2PROCK7	WE2PROCK8	WE2PROCK9	GND	GND
26	WE2PROCK2	WE2PROCK3	WE2PROCK4	WE2PROCK5	GND	WE2PROCKCK
27	GND	GND	GND	WE2PROCK0	WE2PROCK1	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	WE2CRKEY18	WE2CRKEY19	WE2CRKEY110	WE2CRKEY111	GND	WE2CRKEY1CK
31	WE2CRKEY14	WE2CRKEY15	WE2CRKEY16	WE2CRKEY17	GND	GND
32	WE2CRKEY10	WE2CRKEY11	WE2CRKEY12	WE2CRKEY13	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	WE2UTILK8	WE2UTILK9	GND	GND	GND	WE2UTILKCK
39	WE2UTILK4	WE2UTILK5	WE2UTILK6	WE2UTILK7	GND	GND
40	WE2UTILK0	WE2UTILK1	WE2UTILK2	WE2UTILK3	GND	GND
41	GND	GND	GND	GND	GND	GND

CNX8

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	WE2KEY18	WE2KEY19	WE2KEY110	WE2KEY111	GND	WE2KEY1CK
3	WE2KEY14	WE2KEY15	WE2KEY16	WE2KEY17	GND	GND
4	WE2KEY10	WE2KEY11	WE2KEY12	WE2KEY13	GND	GND
5	GND	GND	GND	GND	GND	GND
6	WE2KEY28	WE2KEY29	WE2KEY210	WE2KEY211	GND	WE2KEY2CK
7	WE2KEY24	WE2KEY25	WE2KEY26	WE2KEY27	GND	GND
8	WE2KEY20	WE2KEY21	WE2KEY22	WE2KEY23	GND	GND
9	GND	GND	GND	GND	GND	GND
10	WE2TRNKY18	WE2TRNKY19	WE2TRNKY110	WE2TRNKY111	GND	WE2TRNKY1CK
11	WE2TRNKY14	WE2TRNKY15	WE2TRNKY16	WE2TRNKY17	GND	GND
12	WE2TRNKY10	WE2TRNKY11	WE2TRNKY12	WE2TRNKY13	GND	GND
13	GND	GND	GND	GND	GND	GND
14	WE2TRNKY28	WE2TRNKY29	WE2TRNKY210	WE2TRNKY211	GND	WE2TRNKY2CK
15	WE2TRNKY24	WE2TRNKY25	WE2TRNKY26	WE2TRNKY27	GND	GND
16	WE2TRNKY20	WE2TRNKY21	WE2TRNKY22	WE2TRNKY23	GND	GND
17	GND	GND	GND	GND	GND	GND
18	WE2BORD18	WE2BORD19	WE2BORD110	WE2BORD111	GND	WE2BORD1CK
19	WE2BORD14	WE2BORD15	WE2BORD16	WE2BORD17	GND	GND
20	WE2BORD10	WE2BORD11	WE2BORD12	WE2BORD13	GND	GND
21	GND	GND	GND	GND	GND	GND
22	WE2BORD28	WE2BORD29	WE2BORD210	WE2BORD211	GND	WE2BORD2CK
23	WE2BORD24	WE2BORD25	WE2BORD26	WE2BORD27	GND	GND
24	WE2BORD20	WE2BORD21	WE2BORD22	WE2BORD23	GND	GND
25	GND	GND	GND	GND	GND	GND
26	WE2FILL18	WE2FILL19	WE2FILL110	WE2FILL111	GND	WE2FILL1CK
27	WE2FILL14	WE2FILL15	WE2FILL16	WE2FILL17	GND	GND
28	WE2FILL10	WE2FILL11	WE2FILL12	WE2FILL13	GND	GND
29	GND	GND	GND	GND	GND	GND
30	WE2FILL28	WE2FILL29	WE2FILL210	WE2FILL211	GND	WE2FILL2CK
31	WE2FILL24	WE2FILL25	WE2FILL26	WE2FILL27	GND	GND
32	WE2FILL20	WE2FILL21	WE2FILL22	WE2FILL23	GND	GND
33	GND	GND	GND	GND	GND	GND
34	WE2FWWSL12	WE2FWWSL13	WE2FWWSL14	WE2FWWSL15	GND	WE2FWWSLICK
35	WE2FWWSL8	WE2FWWSL9	WE2FWWSL10	WE2FWWSL11	GND	GND
36	WE2FWWSL4	WE2FWWSL5	WE2FWWSL6	WE2FWWSL7	GND	WE2FWWSLLCK
37	WE2FWWSL0	WE2FWWSL1	WE2FWWSL2	WE2FWWSL3	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK6P	37CK6N	GND	FWCK6P	FWCK6N	GND

CRK-9-SLOT 9

CNV9

	A	B	C	D	E	F
1	PSVA	PSVA	PSVA	PSVA	PSVA	PSVA
2	PSVA	PSVA	PSVA	PSVA	PSVA	PSVA
3	PSVA	PSVA	PSVA	PSVA	PSVA	PSVA
4	PSVA	PSVA	PSVA	PSVA	PSVA	PSVA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
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24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNW9

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	WE3CRKKYC6	WE3CRKKYC7	WE3CRKKYC8	WE3CRKKYC9	GND	WE3CRKKYCCK
11	WE3CRKKYC1	WE3CRKKYC2	WE3CRKKYC3	WE3CRKKYC4	WE3CRKKYC5	GND
12	GND	GND	GND	WE3CRKKYC0	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
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24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK7P	37CK7N	GND	FWCK7P	FWCK7N	GND

CNX9

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
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25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK7P	37CK7N	GND	FWCK7P	FWCK7N	GND

Motherboard
MB-494 (5/12)
BOARD NO. 1-646-568-11

HDS-7000

A B C D E F G H

1 2 3 4 5

CNY7

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	ME2BKGDAY6	ME2BKGDAY7	ME2BKGDAY8	ME2BKGDAY9	GND	GND
4	ME2BKGDAY2	ME2BKGDAY3	ME2BKGDAY4	ME2BKGDAY5	GND	ME2BKGDAYCK
5	ME2BKGDAC7	ME2BKGDAC8	ME2BKGDAC9	ME2BKGDAY0	ME2BKGDAY1	GND
6	ME2BKGDAC3	ME2BKGDAC4	ME2BKGDAC5	ME2BKGDAC6	GND	ME2BKGDACCK
7	GND	GND	ME2BKGDAC0	ME2BKGDAC1	ME2BKGDAC2	GND
8	GND	GND	GND	GND	GND	GND
9	ME2BKGDBY9	GND	GND	GND	GND	GND
10	ME2BKGDBY5	ME2BKGDBY6	ME2BKGDBY7	ME2BKGDBY8	GND	ME2BKGDBYCK
11	ME2BKGDBY0	ME2BKGDBY1	ME2BKGDBY2	ME2BKGDBY3	ME2BKGDBY4	GND
12	ME2BKGDBC6	ME2BKGDBC7	ME2BKGDBC8	ME2BKGDBC9	GND	ME2BKGDBCCK
13	ME2BKGDBC1	ME2BKGDBC2	ME2BKGDBC3	ME2BKGDBC4	ME2BKGDBC5	GND
14	GND	GND	GND	ME2BKGDBC0	GND	GND
15	GND	GND	GND	GND	GND	GND
16	ME2KYFL1Y8	ME2KYFL1Y9	GND	GND	GND	ME2KYFL1YCK
17	ME2KYFL1Y3	ME2KYFL1Y4	ME2KYFL1Y5	ME2KYFL1Y6	ME2KYFL1Y7	GND
18	ME2KYFL1C9	ME2KYFL1Y0	ME2KYFL1Y1	ME2KYFL1Y2	GND	GND
19	ME2KYFL1C4	ME2KYFL1C5	ME2KYFL1C6	ME2KYFL1C7	ME2KYFL1C8	GND
20	ME2KYFL1C0	ME2KYFL1C1	ME2KYFL1C2	ME2KYFL1C3	GND	ME2KYFL1CCK
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	ME2KYFL2Y6	ME2KYFL2Y7	ME2KYFL2Y8	ME2KYFL2Y9	GND	GND
24	ME2KYFL2Y2	ME2KYFL2Y3	ME2KYFL2Y4	ME2KYFL2Y5	GND	ME2KYFL2YCK
25	ME2KYFL2C7	ME2KYFL2C8	ME2KYFL2C9	ME2KYFL2Y0	ME2KYFL2Y1	GND
26	ME2KYFL2C3	ME2KYFL2C4	ME2KYFL2C5	ME2KYFL2C6	GND	ME2KYFL2CCK
27	GND	GND	ME2KYFL2C0	ME2KYFL2C1	ME2KYFL2C2	GND
28	GND	GND	GND	GND	GND	GND
29	ME2UTILY9	GND	GND	GND	GND	GND
30	ME2UTILY5	ME2UTILY6	ME2UTILY7	ME2UTILY8	GND	ME2UTILYCK
31	ME2UTILY0	ME2UTILY1	ME2UTILY2	ME2UTILY3	ME2UTILY4	GND
32	ME2UTILC6	ME2UTILC7	ME2UTILC8	ME2UTILC9	GND	ME2UTILCCK
33	ME2UTILC1	ME2UTILC2	ME2UTILC3	ME2UTILC4	ME2UTILC5	GND
34	GND	GND	GND	ME2UTILC0	GND	GND
35	GND	GND	GND	GND	GND	GND
36	ME2PRFLC8	ME2PRFLC9	GND	GND	GND	ME2PRFLCCK
37	ME2PRFLC3	ME2PRFLC4	ME2PRFLC5	ME2PRFLC6	ME2PRFLC7	GND
38	ME2PRFLY9	ME2PRFLC0	ME2PRFLC1	ME2PRFLC2	GND	GND
39	ME2PRFLY4	ME2PRFLY5	ME2PRFLY6	ME2PRFLY7	ME2PRFLY8	GND
40	ME2PRFLY0	ME2PRFLY1	ME2PRFLY2	ME2PRFLY3	GND	ME2PRFLYCK
41	GND	GND	GND	GND	GND	GND

CNY8

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNY9

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNZ7

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	ME2CRKMSKY8	ME2CRKMSKY9	GND	GND	GND	ME2CRKMSKYCK
13	ME2CRKMSKY4	ME2CRKMSKY5	ME2CRKMSKY6	ME2CRKMSKY7	GND	GND
14	ME2CRKMSKY0	ME2CRKMSKY1	ME2CRKMSKY2	ME2CRKMSKY3	GND	GND
15	GND	GND	GND	GND	GND	GND
16	ME2CRKFLY8	ME2CRKFLY9	GND	GND	GND	ME2CRKFLYCK
17	ME2CRKFLY4	ME2CRKFLY5	ME2CRKFLY6	ME2CRKFLY7	GND	GND
18	ME2CRKFLY0	ME2CRKFLY1	ME2CRKFLY2	ME2CRKFLY3	GND	GND
19	GND	GND	GND	GND	GND	GND
20	ME2CRKFLC8	ME2CRKFLC9	GND	GND	GND	ME2CRKFLCCK
21	ME2CRKFLC4	ME2CRKFLC5	ME2CRKFLC6	ME2CRKFLC7	GND	GND
22	ME2CRKFLC0	ME2CRKFLC1	ME2CRKFLC2	ME2CRKFLC3	GND	GND
23	GND	GND	GND	GND	GND	GND
24	ME2CRFILLY8	ME2CRFILLY9	ME2CRFILLY10	ME2CRFILLY11	GND	ME2CRFILLYCK
25	ME2CRFILLY4	ME2CRFILLY5	ME2CRFILLY6	ME2CRFILLY7	GND	GND
26	ME2CRFILLY0	ME2CRFILLY1	ME2CRFILLY2	ME2CRFILLY3	GND	GND
27	GND	GND	GND	GND	GND	GND
28	ME2CRFILLC8	ME2CRFILLC9	ME2CRFILLC10	ME2CRFILLC11	GND	ME2CRFILLCCK
29	ME2CRFILLC4	ME2CRFILLC5	ME2CRFILLC6	ME2CRFILLC7	GND	GND
30	ME2CRFILLC0	ME2CRFILLC1	ME2CRFILLC2	ME2CRFILLC3	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	SA02P	SA02N	SDW2P	SDW2N	RST1	GND
40	SCK2P	SCK2N	SDRP	SDRN	GND	GND
41					CKX1	GND

CNZ8

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	ME2CRKKYY8	ME2CRKKYY9	GND	GND	GND	ME2CRKKYYCK
3	ME2CRKKYY4	ME2CRKKYY5	ME2CRKKYY6	ME2CRKKYY7	GND	GND
4	ME2CRKKYY0	ME2CRKKYY1	ME2CRKKYY2	ME2CRKKYY3	GND	GND
5	GND	GND	GND	GND	GND	GND
6	ME2CRKWSL12	ME2CRKWSL13	ME2CRKWSL14	ME2CRKWSL15	GND	ME2CRKWSLUCK
7	ME2CRKWSL8	ME2CRKWSL9	ME2CRKWSL10	ME2CRKWSL11	GND	GND
8	ME2CRKWSL4	ME2CRKWSL5	ME2CRKWSL6	ME2CRKWSL7	GND	ME2CRKWSLLCK
9	ME2CRKWSL0	ME2CRKWSL1	ME2CRKWSL2	ME2CRKWSL3	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	SA02P	SA02N	SDW2P	SDW2N	RST1	GND
40	SCK2P	SCK2N	SDRP	SDRN	GND	GND
41					CKX1	GND

CNZ9

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	ME3CRKKYY8	ME3CRKKYY9	GND	GND	GND	ME3CRKKYYCK
3	ME3CRKKYY4	ME3CRKKYY5	ME3CRKKYY6	ME3CRKKYY7	GND	GND
4	ME3CRKKYY0	ME3CRKKYY1	ME3CRKKYY2	ME3CRKKYY3	GND	GND
5	GND	GND	GND	GND	GND	GND
6	ME3CRKWSL12	ME3CRKWSL13	ME3CRKWSL14	ME3CRKWSL15	GND	ME3CRKWSLUCK
7	ME3CRKWSL8	ME3CRKWSL9	ME3CRKWSL10	ME3CRKWSL11	GND	GND
8	ME3CRKWSL4	ME3CRKWSL5	ME3CRKWSL6	ME3CRKWSL7	GND	ME3CRKWSLLCK
9	ME3CRKWSL0	ME3CRKWSL1	ME3CRKWSL2	ME3CRKWSL3	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	ME3CRKMSKY8	ME3CRKMSKY9	GND	GND	GND	ME3CRKMSKYCK
13	ME3CRKMSKY4	ME3CRKMSKY5	ME3CRKMSKY6	ME3CRKMSKY7	GND	GND
14	ME3CRKMSKY0	ME3CRKMSKY1	ME3CRKMSKY2	ME3CRKMSKY3	GND	GND
15	GND	GND	GND	GND	GND	GND
16	ME3CRKFLY8	ME3CRKFLY9	GND	GND	GND	ME3CRKFLYCK
17	ME3CRKFLY4	ME3CRKFLY5	ME3CRKFLY6	ME3CRKFLY7	GND	GND
18	ME3CRKFLY0	ME3CRKFLY1	ME3CRKFLY2	ME3CRKFLY3	GND	GND
19	GND	GND	GND	GND	GND	GND
20	ME3CRKFLC8	ME3CRKFLC9	GND	GND	GND	ME3CRKFLCCK
21	ME3CRKFLC4	ME3CRKFLC5	ME3CRKFLC6	ME3CRKFLC7	GND	GND
22	ME3CRKFLC0	ME3CRKFLC1	ME3CRKFLC2	ME3CRKFLC3	GND	GND
23	GND	GND	GND	GND	GND	GND
24	ME3CRFILLY8	ME3CRFILLY9	ME3CRFILLY10	ME3CRFILLY11	GND	ME3CRFILLYCK
25	ME3CRFILLY4	ME3CRFILLY5	ME3CRFILLY6	ME3CRFILLY7	GND	GND
26	ME3CRFILLY0	ME3CRFILLY1	ME3CRFILLY2	ME3CRFILLY3	GND	GND
27	GND	GND	GND	GND	GND	GND
28	ME3CRFILLC8	ME3CRFILLC9	ME3CRFILLC10	ME3CRFILLC11	GND	ME3CRFILLCCK
29	ME3CRFILLC4	ME3CRFILLC5	ME3CRFILLC6	ME3CRFILLC7	GND	GND
30	ME3CRFILLC0	ME3CRFILLC1	ME3CRFILLC2	ME3CRFILLC3	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	SA03P	SA03N	SDW3P	SDW3N	RST1	GND
40	SCK3P	SCK3N	SDRP	SDRN	GND	GND
41					CKX1	GND

Motherboard
MB-494 (6/12)
BOARD NO. 1-646-568-11

HDS-7000

HDS-7000

MB-494 (7/12)

MIX-13-SLOT 10

CNV10

	A	B	C	D	E	F
1	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
2	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
3	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
4	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	WE3CLNY5	WE3CLNY6	WE3CLNY7	WE3CLNY8	WE3CLNY9	GND
14	WE3CLNY1	WE3CLNY2	WE3CLNY3	WE3CLNY4	GND	WE3CLNYCK
15	GND	GND	GND	GND	WE3CLNY0	GND
16	GND	GND	GND	GND	GND	GND
17	WE3CLNC5	WE3CLNC6	WE3CLNC7	WE3CLNC8	WE3CLNC9	GND
18	WE3CLNC1	WE3CLNC2	WE3CLNC3	WE3CLNC4	GND	WE3CLNCCK
19	GND	GND	GND	GND	WE3CLNC0	GND
20	GND	GND	GND	GND	GND	GND
21	WE3PVW2Y5	WE3PVW2Y6	WE3PVW2Y7	WE3PVW2Y8	WE3PVW2Y9	GND
22	WE3PVW2Y1	WE3PVW2Y2	WE3PVW2Y3	WE3PVW2Y4	GND	WE3PVW2YCK
23	GND	GND	GND	GND	WE3PVW2Y0	GND
24	GND	GND	GND	GND	GND	GND
25	WE3PVW2C5	WE3PVW2C6	WE3PVW2C7	WE3PVW2C8	WE3PVW2C9	GND
26	WE3PVW2C1	WE3PVW2C2	WE3PVW2C3	WE3PVW2C4	GND	WE3PVW2CCK
27	WE3PVW1Y9	GND	GND	GND	WE3PVW2C0	GND
28	WE3PVW1Y5	WE3PVW1Y6	WE3PVW1Y7	WE3PVW1Y8	GND	WE3PVW1YCK
29	WE3PVW1Y0	WE3PVW1Y1	WE3PVW1Y2	WE3PVW1Y3	WE3PVW1Y4	GND
30	WE3PVW1C6	WE3PVW1C7	WE3PVW1C8	WE3PVW1C9	GND	WE3PVW1CCK
31	WE3PVW1C1	WE3PVW1C2	WE3PVW1C3	WE3PVW1C4	WE3PVW1C5	GND
32	WE3PGMY17	WE3PGMY18	WE3PGMY19	WE3PVW1C0	GND	WE3PGM1YCK
33	WE3PGM1Y12	WE3PGM1Y13	WE3PGM1Y14	WE3PGM1Y5	WE3PGM1Y6	GND
34	WE3PGM1C8	WE3PGM1C9	WE3PGM1Y0	WE3PGM1Y11	GND	WE3PGM1CCK
35	WE3PGM1C3	WE3PGM1C4	WE3PGM1C5	WE3PGM1C6	WE3PGM1C7	GND
36	WE3PGMZ19	WE3PGM1C0	WE3PGM1C1	WE3PGM1C2	GND	GND
37	WE3PGMZ14	WE3PGMZ25	WE3PGMZ26	WE3PGMZ27	WE3PGMZ28	GND
38	WE3PGMZ10	WE3PGMZ21	WE3PGMZ22	WE3PGMZ23	GND	WE3PGMZ2CK
39	WE3PGMZC5	WE3PGMZC6	WE3PGMZC7	WE3PGMZC8	WE3PGMZC9	GND
40	WE3PGMZC1	WE3PGMZC2	WE3PGMZC3	WE3PGMZC4	GND	WE3PGMZCCK
41	GND	GND	GND	GND	WE3PGMZC0	GND

CNR10

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	WE3PVW1C1	WE3PVW1C2	WE3PVW1C3	WE3PVW1C4	WE3PVW1C5	GND
32	WE3PGMY17	WE3PGMY18	WE3PGMY19	WE3PVW1C0	GND	WE3PGM1YCK
33	WE3PGM1Y12	WE3PGM1Y13	WE3PGM1Y14	WE3PGM1Y5	WE3PGM1Y6	GND
34	WE3PGM1C8	WE3PGM1C9	WE3PGM1Y0	WE3PGM1Y11	GND	WE3PGM1CCK
35	WE3PGM1C3	WE3PGM1C4	WE3PGM1C5	WE3PGM1C6	WE3PGM1C7	GND
36	WE3PGMZ19	WE3PGM1C0	WE3PGM1C1	WE3PGM1C2	GND	GND
37	WE3PGMZ14	WE3PGMZ25	WE3PGMZ26	WE3PGMZ27	WE3PGMZ28	GND
38	WE3PGMZ10	WE3PGMZ21	WE3PGMZ22	WE3PGMZ23	GND	WE3PGMZ2CK
39	WE3PGMZC5	WE3PGMZC6	WE3PGMZC7	WE3PGMZC8	WE3PGMZC9	GND
40	WE3PGMZC1	WE3PGMZC2	WE3PGMZC3	WE3PGMZC4	GND	WE3PGMZCCK
41	GND	GND	GND	GND	WE3PGMZC0	GND

CNX10

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	WE3KEY18	WE3KEY19	WE3KEY110	WE3KEY111	GND	WE3KEY1CK
3	WE3KEY14	WE3KEY15	WE3KEY16	WE3KEY17	GND	GND
4	WE3KEY10	WE3KEY11	WE3KEY12	WE3KEY13	GND	GND
5	GND	GND	GND	GND	GND	GND
6	WE3KEY28	WE3KEY29	WE3KEY210	WE3KEY211	GND	WE3KEY2CK
7	WE3KEY24	WE3KEY25	WE3KEY26	WE3KEY27	GND	GND
8	WE3KEY20	WE3KEY21	WE3KEY22	WE3KEY23	GND	GND
9	GND	GND	GND	GND	GND	GND
10	WE3TRNKY18	WE3TRNKY19	WE3TRNKY110	WE3TRNKY111	GND	WE3TRNKY1CK
11	WE3TRNKY14	WE3TRNKY15	WE3TRNKY16	WE3TRNKY17	GND	GND
12	WE3TRNKY10	WE3TRNKY11	WE3TRNKY12	WE3TRNKY13	GND	GND
13	GND	GND	GND	GND	GND	GND
14	WE3TRNKY28	WE3TRNKY29	WE3TRNKY210	WE3TRNKY211	GND	WE3TRNKY2CK
15	WE3TRNKY24	WE3TRNKY25	WE3TRNKY26	WE3TRNKY27	GND	GND
16	WE3TRNKY20	WE3TRNKY21	WE3TRNKY22	WE3TRNKY23	GND	GND
17	GND	GND	GND	GND	GND	GND
18	WE3BORD18	WE3BORD19	WE3BORD110	WE3BORD111	GND	WE3BORD1CK
19	WE3BORD14	WE3BORD15	WE3BORD16	WE3BORD17	GND	GND
20	WE3BORD10	WE3BORD11	WE3BORD12	WE3BORD13	GND	GND
21	GND	GND	GND	GND	GND	GND
22	WE3BORD28	WE3BORD29	WE3BORD210	WE3BORD211	GND	WE3BORD2CK
23	WE3BORD24	WE3BORD25	WE3BORD26	WE3BORD27	GND	GND
24	WE3BORD20	WE3BORD21	WE3BORD22	WE3BORD23	GND	GND
25	GND	GND	GND	GND	GND	GND
26	WE3FILL18	WE3FILL19	WE3FILL110	WE3FILL111	GND	WE3FILL1CK
27	WE3FILL14	WE3FILL15	WE3FILL16	WE3FILL17	GND	GND
28	WE3FILL10	WE3FILL11	WE3FILL12	WE3FILL13	GND	GND
29	GND	GND	GND	GND	GND	GND
30	WE3FILL28	WE3FILL29	WE3FILL210	WE3FILL211	GND	WE3FILL2CK
31	WE3FILL24	WE3FILL25	WE3FILL26	WE3FILL27	GND	GND
32	WE3FILL20	WE3FILL21	WE3FILL22	WE3FILL23	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK8P	37CK8N	GND	FWCK8P	FWCK8N	GND

KPC-3-SLOT 11

CNV11

	A	B	C	D	E	F
1	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
2	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
3	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
4	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNR11

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	WE3KYSC1Y7	WE3KYSC1Y8	WE3KYSC1Y9	GND	GND	GND
8	WE3KYSC1Y3	WE3KYSC1Y4	WE3KYSC1Y5	WE3KYSC1Y6	GND	WE3KYSC1YCK
9	GND	GND	WE3KYSC1Y0	WE3KYSC1Y1	WE3KYSC1Y2	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	WE3KYSC2Y6	WE3KYSC2Y7	WE3KYSC2Y8	WE3KYSC2Y9	GND	WE3KYSC2YCK
15	WE3KYSC2Y1	WE3KYSC2Y2	WE3KYSC2Y3	WE3KYSC2Y4	WE3KYSC2Y5	GND
16	GND	GND	GND	WE3KYSC2Y0	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21					GND	GND
22						
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	WE3PROCK6	WE3PROCK7	WE3PROCK8	WE3PROCK9	GND	GND
26	WE3PROCK2	WE3PROCK3	WE3PROCK4	WE3PROCK5	GND	WE3PROCKCK
27	GND	GND	GND	WE3PROCK0	WE3PROCK1	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	WE3CRKEY18	WE3CRKEY19	WE3CRKEY110	WE3CRKEY111	GND	WE3CRKEY1CK
31	WE3CRKEY14	WE3CRKEY15	WE3CRKEY16	WE3CRKEY17	GND	GND
32	WE3CRKEY10	WE3CRKEY11	WE3CRKEY12	WE3CRKEY13	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	WE3UT1LK8	WE3UT1LK9	GND	GND	GND	WE3UT1LKCK
39	WE3UT1LK4	WE3UT1LK5	WE3UT1LK6	WE3UT1LK7	GND	GND
40	WE3UT1LK0	WE3UT1LK1	WE3UT1LK2	WE3UT1LK3	GND	GND
41	GND	GND	GND	GND	GND	GND

CNX11

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	WE3KEY18	WE3KEY19	WE3KEY110	WE3KEY111	GND	WE3KEY1CK
3	WE3KEY14	WE3KEY15	WE3KEY16	WE3KEY17	GND	GND
4	WE3KEY10	WE3KEY11	WE3KEY12	WE3KEY13	GND	GND
5	GND	GND	GND	GND	GND	GND
6	WE3KEY28	WE3KEY29	WE3KEY210	WE3KEY211	GND	WE3KEY2CK
7	WE3KEY24	WE3KEY25	WE3KEY26	WE3KEY27	GND	GND
8	WE3KEY20	WE3KEY21	WE3KEY22	WE3KEY23	GND	GND
9	GND	GND	GND	GND	GND	GND
10	WE3TRNKY18	WE3TRNKY19	WE3TRNKY110	WE3TRNKY111	GND	WE3TRNKY1CK
11	WE3TRNKY14	WE3TRNKY15	WE3TRNKY16	WE3TRNKY17	GND	GND
12	WE3TRNKY10	WE3TRNKY11	WE3TRNKY12	WE3TRNKY13	GND	GND
13	GND	GND	GND	GND	GND	GND
14	WE3TRNKY28	WE3TRNKY29	WE3TRNKY210	WE3TRNKY211	GND	WE3TRNKY2CK
15	WE3TRNKY24	WE3TRNKY25	WE3TRNKY26	WE3TRNKY27	GND	GND
16	WE3TRNKY20	WE3TRNKY21	WE3TRNKY22	WE3TRNKY23	GND	GND
17	GND	GND	GND	GND	GND	GND
18	WE3BORD18	WE3BORD19	WE3BORD110	WE3BORD111	GND	WE3BORD1CK
19	WE3BORD14	WE3BORD15	WE3BORD16	WE3BORD17	GND	GND
20	WE3BORD10	WE3BORD11	WE3BORD12	WE3BORD13	GND	GND
21	GND	GND	GND	GND	GND	GND
22	WE3BORD28	WE3BORD29	WE3BORD210	WE3BORD211	GND	WE3BORD2CK
23	WE3BORD24	WE3BORD25	WE3BORD26	WE3BORD27	GND	GND
24	WE3BORD20	WE3BORD21	WE3BORD22	WE3BORD23	GND	GND
25	GND	GND	GND	GND	GND	GND
26	WE3FILL18	WE3FILL19	WE3FILL110	WE3FILL111	GND	WE3FILL1CK
27	WE3FILL14	WE3FILL15	WE3FILL16	WE3FILL17	GND	GND
28	WE3FILL10	WE3FILL11	WE3FILL12	WE3FILL13	GND	GND
29	GND	GND	GND	GND	GND	GND
30	WE3FILL28	WE3FILL29	WE3FILL210	WE3FILL211	GND	WE3FILL2CK
31	WE3FILL24	WE3FILL25	WE3FILL26	WE3FILL27	GND	GND
32	WE3FILL20	WE3FILL21	WE3FILL22	WE3FILL23	GND	GND
33	GND	GND	GND	GND	GND	GND
34	WE3FWMSL12	WE3FWMSL13	WE3FWMSL14	WE3FWMSL15	GND	WE3FWMSLUCK
35	WE3FWMSL8	WE3FWMSL9	WE3FWMSL10	WE3FWMSL11	GND	GND
36	WE3FWMSL4	WE3FWMSL5	WE3FWMSL6	WE3FWMSL7	GND	WE3FWMSLLCK
37	WE3FWMSL0	WE3FWMSL1	WE3FWMSL2	WE3FWMSL3	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK9P	37CK9N	GND	FWCK9P	FWCK9N	GND

VSW-33-SLOT 12

CNV12

	A	B	C	D	E	F
1	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
2	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
3	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
4	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	IN1Y5	IN1Y6	IN1Y7	IN1Y8	IN1Y9	GND
12	IN1Y1	IN1Y2	IN1Y3	IN1Y4	GND	IN1YCK
13	IN1EY6	IN1EY7	IN1EY8	IN1EY9	IN1Y0	GND
14	IN1EY2	IN1EY3	IN1EY4	IN1EY5	GND	IN1EYCK
15	IN2Y7	IN2Y8	IN2Y9	IN16Y0	IN16Y1	GND
16	IN2Y3	IN2Y4	IN2Y5	IN2Y6	GND	IN2YCK
17	IN17Y8	IN17Y9	IN2Y0	IN2Y1	IN2Y2	GND
18	IN17Y4	IN17Y5	IN17Y6	IN17Y7	GND	IN17YCK
19	IN3Y9	IN17Y0	IN17Y1	IN17Y2	IN17Y3	GND
20	IN3Y5	IN3Y6	IN3Y7	IN3Y8	GND	IN3YCK
21	IN3Y0	IN3Y1	IN3Y2	IN3Y3	IN3Y4	GND
22	IN18Y6	IN18Y7	IN18Y8	IN18Y9	GND	IN18YCK
23	IN18Y1	IN18Y2	IN18Y3	IN18Y4	IN18Y5	GND
24	IN4Y7	IN4Y8	IN4Y9	IN18Y0	GND	IN4YCK
25	IN4Y2	IN4Y3	IN4Y4	IN4Y5	IN4Y6	GND
26	IN19Y8	IN19Y9	IN4Y0	IN4Y1	GND	IN19YCK
27	IN19Y3	IN19Y4	IN19Y5	IN19Y6	IN19Y7	GND
28	WE3PVW1Y9	IN19Y0	IN19Y1	IN19Y2	GND	GND
29	WE3PVW1Y4	WE3PVW1Y5	WE3PVW1Y6	WE3PVW1Y7	WE3PVW1Y8	GND
30	WE3PVW1Y0	WE3PVW1Y1	WE3PVW1Y2	WE3PVW1Y3	GND	WE3PVW1YCK
31	WE2PVW1Y5	WE2PVW1Y6	WE2PVW1Y7	WE2PVW1Y8	WE2PVW1Y9	GND
32	WE2PVW1Y1	WE2PVW1Y2	WE2PVW1Y3	WE2PVW1Y4	GND	WE2PVW1YCK
33	WE1PVW1Y6	WE1PVW1Y7	WE1PVW1Y8	WE1PVW1Y9	WE2PVW1Y0	GND
34	WE1PVW1Y2	WE1PVW1Y3	WE1PVW1Y4	WE1PVW1Y5	GND	WE1PVW1YCK
35	WE3PGM1Y7	WE3PGM1Y8	WE3PGM1Y9	WE1PVW1Y0	WE1PVW1Y1	GND
36	WE3PGM1Y3	WE3PGM1Y4	WE3PGM1Y5	WE3PGM1Y6	GND	WE3PGM1YCK
37	WE2PGM1Y8	WE2PGM1Y9	WE3PGM1Y0	WE3PGM1Y1	WE3PGM1Y2	GND
38	WE2PGM1Y4	WE2PGM1Y5	WE2PGM1Y6	WE2PGM1Y7	GND	WE2PGM1YCK
39	WE1PGM1Y9	WE2PGM1Y0	WE2PGM1Y1	WE2PGM1Y2	WE2PGM1Y3	GND
40	WE1PGM1Y5	WE1PGM1Y6	WE1PGM1Y7	WE1PGM1Y8	GND	WE1PGM1YCK
41	WE1PGM1Y0	WE1PGM1Y1	WE1PGM1Y2	WE1PGM1Y3	WE1PGM1Y4	GND

CNR12

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	FWINY7	FWINY8	FWINY9	GND	GND	FWINYCK
3	FWINY2	FWINY3	FWINY4	FWINY5	FWINY6	GND
4	FWINK8	FWINK9	FWINY0	FWINY1	GND	FWINKCK
5	FWINK3	FWINK4	FWINK5	FWINK6	FWINK7	GND
6	GND	FWINK0	FWINK1	FWINK2	GND	GND
7	WE1KYSC1Y7	WE1KYSC1Y8	WE1KYSC1Y9	GND	GND	GND
8	WE1KYSC1Y3	WE1KYSC1Y4	WE1KYSC1Y5	WE1KYSC1Y6	GND	WE1KYSC1YCK
9	WE2KYSC1Y8	WE2KYSC1Y9	WE1KYSC1Y0	WE1KYSC1Y1	WE1KYSC1Y2	GND
10	WE2KYSC1Y4	WE2KYSC1Y5	WE2KYSC1Y6	WE2KYSC1Y7	GND	WE2KYSC1YCK
11	WE3KYSC1Y9	WE3KYSC1Y0	WE2KYSC1Y1	WE2KYSC1Y2	WE2KYSC1Y3	GND
12	WE3KYSC1Y5	WE3KYSC1Y6	WE3KYSC1Y7	WE3KYSC1Y8	GND	WE3KYSC1YCK
13	WE3KYSC1Y0	WE3KYSC1Y1	WE3KYSC1Y2	WE3KYSC1Y3	WE3KYSC1Y4	GND
14	WE1KYSC2Y6	WE1KYSC2Y7	WE1KYSC2Y8	WE1KYSC2Y9	GND	WE1KYSC2YCK
15	WE1KYSC2Y1	WE1KYSC2Y2	WE1KYSC2Y3	WE1KYSC2Y4	WE1KYSC2Y5	GND
16	WE2KYSC2Y7	WE2KYSC2Y8	WE1KYSC2Y0	WE1KYSC2Y1	GND	WE2KYSC2YCK
17	WE2KYSC2Y2	WE2KYSC2Y3	WE2KYSC2Y4	WE2KYSC2Y5	WE2KYSC2Y6	GND
18	WE3KYSC2Y8	WE3KYSC2Y9	WE2KYSC2Y0	WE2KYSC2Y1	GND	WE3KYSC2YCK
19	WE3KYSC2Y3	WE3KYSC2Y4	WE3KYSC2Y5	WE3KYSC2Y6	WE3KYSC2Y7	GND
20	WE1PRKY9	WE3KYSC2Y0	WE3KYSC2Y1	WE3KYSC2Y2	GND	GND
21	WE1PRKY4	WE1PRKY5	WE1PRKY6	WE1PRKY7	WE1PRKY8	GND
22	WE1PRKY0	WE1PRKY1	WE1PRKY2	WE1PRKY3	GND	WE1PRKYCK
23	WE2PRKY5	WE2PRKY6	WE2PRKY7	WE2PRKY8	WE2PRKY9	GND
24	WE2PRKY1	WE2PRKY2	WE2PRKY3	WE2PRKY4	GND	WE2PRKYCK
25	WE1PROCK6	WE1PROCK7	WE1PROCK8	WE1PROCK9	WE2PRKY0	GND
26	WE1PROCK2	WE1PROCK3	WE1PROCK4	WE1PROCK5	GND	WE1PROCKCK
27	WE2PROCK7	WE2PROCK8	WE2PROCK9	WE1PROCK0	WE1PROCK1	GND
28	WE2PROCK3	WE2PROCK4	WE2PROCK5	WE2PROCK6	GND	WE2PROCKCK
29	WE3PROCK8	WE3PROCK9	WE2PROCK0	WE2PROCK1	WE2PROCK2	GND
30	WE3PROCK4	WE3PROCK5	WE3PROCK6	WE3PROCK7	GND	WE3PROCKCK
31	WE1PROCFLY9	WE1PROCK0	WE3PROCK0	WE3PROCK2	WE3PROCK3	GND
32	WE1PROCFLY5	WE1PROCFLY6	WE1PROCFLY7	WE1PROCFLY8	GND	WE1PROCFLYCK
33	WE1PROCFLY0	WE1PROCFLY1	WE1PROCFLY2	WE1PROCFLY3	WE1PROCFLY4	GND
34	WE2PROCFLY6	WE2PROCFLY7	WE2PROCFLY8	WE2PROCFLY9	GND	WE2PROCFLYCK
35	WE2PROCFLY1	WE2PROCFLY2	WE2PROCFLY3	WE2PROCFLY4	WE2PROCFLY5	GND
36	WE3PROCFLY7	WE3PROCFLY8	WE3PROCFLY9	WE2PROCFLY0	GND	WE3PROCFLYCK
37	WE3PROCFLY2	WE3PROCFLY3	WE3PROCFLY4	WE3PROCFLY5	WE3PROCFLY6	GND
38	FWOUTY8	FWOUTY9	WE3PROCFLY0	WE3PROCFLY1	GND	FWOUTYCK
39	FWOUTY3	FWOUTY4	FWOUTY5	FWOUTY6	FWOUTY7	GND
40	GND	FWOUTY0	FWOUTY1	FWOUTY2	GND	GND
41	GND	GND	GND	GND	GND	GND

CNX12

	A	B	C	D	E	F
1	FWOUTK5	FWOUTK6	FWOUTK7	FWOUTK8	FWOUTK9	GND
2	FWOUTK1	FWOUTK2	FWOUTK3	FWOUTK4	GND	FWOUTKCK
3	IN5Y6	IN5Y7	IN5Y8	IN5Y9	IN5Y0	GND
4	IN5Y2	IN5Y3	IN5Y4	IN5Y5	GND	IN5YCK
5	IN20Y7	IN20Y8	IN20Y9	IN5Y0	IN5Y1	GND
6	IN20Y3	IN20Y4	IN20Y5	IN20Y6	GND	IN20YCK
7	IN6Y8	IN6Y9	IN20Y0	IN20Y1	IN20Y2	GND
8	IN6Y4	IN6Y5	IN6Y6	IN6Y7	GND	IN6YCK
9	IN21Y9	IN6Y0	IN6Y1	IN6Y2	IN6Y3	GND
10	IN21Y5	IN21Y6	IN21Y7	IN21Y8	GND	IN21YCK
11	IN21Y0	IN21Y1	IN21Y2	IN21Y3	IN21Y4	GND
12	IN7Y6	IN7Y7	IN7Y8	IN7Y9	GND	IN7YCK
13	IN7Y1	IN7Y2	IN7Y3	IN7Y4	IN7Y5	GND
14	IN22Y7	IN22Y8	IN22Y9	IN7Y0	GND	IN22YCK
15	IN22Y2	IN22Y3	IN22Y4	IN22Y5	IN22Y6	GND
16	IN8Y8	IN8Y9	IN22Y0	IN22Y1	GND	IN8YCK
17	IN8Y3	IN8Y4	IN8Y5	IN8Y6	IN8Y7	GND
18	IN23Y9	IN8Y0	IN8Y1	IN8Y2	GND	GND
19	IN23Y4	IN23Y5	IN23Y6	IN23Y7	IN23Y8	GND
20	IN23Y0	IN23Y1	IN23Y2	IN23Y3	GND	IN23YCK
21	IN9Y5	IN9Y6	IN9Y7	IN9Y8	IN9Y9	GND
22	IN9Y1	IN9Y2	IN9Y3	IN9Y4	GND	IN9YCK
23	IN24Y6	IN24Y7	IN24Y8	IN24Y9	IN9Y0	GND
24	IN24Y2	IN24Y3	IN24Y4	IN24Y5	GND	IN24YCK
25	IN10Y7	IN10Y8	IN10Y9	IN24Y0	IN24Y1	GND
26	IN10Y3	IN10Y4	IN10Y5	IN10Y6	GND	IN10YCK
27	IN25Y8	IN25Y9	IN10Y0	IN10Y1	IN10Y2	GND
28	IN25Y4	IN25Y5	IN25Y6	IN25Y7	GND	IN25YCK
29	AUX1Y9	IN25Y0	IN25Y1	IN25Y2	IN25Y3	GND
30	AUX1Y5	AUX1Y6	AUX1Y7	AUX1Y8	GND	AUX1YCK
31	AUX1Y0	AUX1Y1	AUX1Y2	AUX1Y3	AUX1Y4	GND
32	AUX2Y6	AUX2Y7	AUX2Y8	AUX2Y9	GND	AUX2YCK
33	AUX2Y1	AUX2Y2	AUX2Y3	AUX2Y4	AUX2Y5	GND

CNY10

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	ME3BKGDAY6	ME3BKGDAY7	ME3BKGDAY8	ME3BKGDAY9	GND	GND
4	ME3BKGDAY2	ME3BKGDAY3	ME3BKGDAY4	ME3BKGDAY5	GND	ME3BKGDAYCK
5	ME3BKGDAC7	ME3BKGDAC8	ME3BKGDAC9	ME3BKGDAY0	ME3BKGDAY1	GND
6	ME3BKGDAC3	ME3BKGDAC4	ME3BKGDAC5	ME3BKGDAC6	GND	ME3BKGDACCK
7	GND	GND	ME3BKGDAC0	ME3BKGDAC1	ME3BKGDAC2	GND
8	GND	GND	GND	GND	GND	GND
9	ME3BKGDBY9	GND	GND	GND	GND	GND
10	ME3BKGDBY5	ME3BKGDBY6	ME3BKGDBY7	ME3BKGDBY8	GND	ME3BKGDBYCK
11	ME3BKGDBY0	ME3BKGDBY1	ME3BKGDBY2	ME3BKGDBY3	ME3BKGDBY4	GND
12	ME3BKGDBC6	ME3BKGDBC7	ME3BKGDBC8	ME3BKGDBC9	GND	ME3BKGDBCCK
13	ME3BKGDBC1	ME3BKGDBC2	ME3BKGDBC3	ME3BKGDBC4	ME3BKGDBC5	GND
14	GND	GND	GND	ME3BKGDBC0	GND	GND
15	GND	GND	GND	GND	GND	GND
16	ME3KYFL1Y8	ME3KYFL1Y9	GND	GND	GND	ME3KYFL1YCK
17	ME3KYFL1Y3	ME3KYFL1Y4	ME3KYFL1Y5	ME3KYFL1Y6	ME3KYFL1Y7	GND
18	ME3KYFL1C9	ME3KYFL1Y0	ME3KYFL1Y1	ME3KYFL1Y2	GND	GND
19	ME3KYFL1C4	ME3KYFL1C5	ME3KYFL1C6	ME3KYFL1C7	ME3KYFL1C8	GND
20	ME3KYFL1C0	ME3KYFL1C1	ME3KYFL1C2	ME3KYFL1C3	GND	ME3KYFL1CCK
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	ME3KYFL2Y6	ME3KYFL2Y7	ME3KYFL2Y8	ME3KYFL2Y9	GND	GND
24	ME3KYFL2Y2	ME3KYFL2Y3	ME3KYFL2Y4	ME3KYFL2Y5	GND	ME3KYFL2YCK
25	ME3KYFL2C7	ME3KYFL2C8	ME3KYFL2C9	ME3KYFL2Y0	ME3KYFL2Y1	GND
26	ME3KYFL2C3	ME3KYFL2C4	ME3KYFL2C5	ME3KYFL2C6	GND	ME3KYFL2CCK
27	GND	GND	ME3KYFL2C0	ME3KYFL2C1	ME3KYFL2C2	GND
28	GND	GND	GND	GND	GND	GND
29	ME3UTILY9	GND	GND	GND	GND	GND
30	ME3UTILY5	ME3UTILY6	ME3UTILY7	ME3UTILY8	GND	ME3UTILYCK
31	ME3UTILY0	ME3UTILY1	ME3UTILY2	ME3UTILY3	ME3UTILY4	GND
32	ME3UTILC6	ME3UTILC7	ME3UTILC8	ME3UTILC9	GND	ME3UTILCCK
33	ME3UTILC1	ME3UTILC2	ME3UTILC3	ME3UTILC4	ME3UTILC5	GND
34	GND	GND	GND	ME3UTILC0	GND	GND
35	GND	GND	GND	GND	GND	GND
36			GND	GND	GND	
37						GND
38					GND	GND
39						GND
40					GND	
41	GND	GND	GND	GND	GND	GND

CNY11

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNY12

	A	B	C	D	E	F
1	CCRINY5	CCRINY6	CCRINY7	CCRINY8	CCRINY9	GND
2	CCRINY1	CCRINY2	CCRINY3	CCRINY4	GND	CCRINYCK
3	ME3BKGDAY6	ME3BKGDAY7	ME3BKGDAY8	ME3BKGDAY9	CCRINY0	GND
4	ME3BKGDAY2	ME3BKGDAY3	ME3BKGDAY4	ME3BKGDAY5	GND	ME3BKGDAYCK
5	ME2BKGDAY7	ME2BKGDAY8	ME2BKGDAY9	ME3BKGDAY0	ME3BKGDAY1	GND
6	ME2BKGDAY3	ME2BKGDAY4	ME2BKGDAY5	ME2BKGDAY6	GND	ME2BKGDAYCK
7	ME1BKGDAY8	ME1BKGDAY9	ME2BKGDAY0	ME2BKGDAY1	ME2BKGDAY2	GND
8	ME1BKGDAY4	ME1BKGDAY5	ME1BKGDAY6	ME1BKGDAY7	GND	ME1BKGDAYCK
9	ME3BKGDBY9	ME1BKGDAY0	ME1BKGDAY1	ME1BKGDAY2	ME1BKGDAY3	GND
10	ME3BKGDBY5	ME3BKGDBY6	ME3BKGDBY7	ME3BKGDBY8	GND	ME3BKGDBYCK
11	ME3BKGDBY0	ME3BKGDBY1	ME3BKGDBY2	ME3BKGDBY3	ME3BKGDBY4	GND
12	ME2BKGDBY6	ME2BKGDBY7	ME2BKGDBY8	ME2BKGDBY9	GND	ME2BKGDBYCK
13	ME2BKGDBY1	ME2BKGDBY2	ME2BKGDBY3	ME2BKGDBY4	ME2BKGDBY5	GND
14	ME1BKGDBY7	ME1BKGDBY8	ME1BKGDBY9	ME2BKGDBY0	GND	ME1BKGDBYCK
15	ME1BKGDBY2	ME1BKGDBY3	ME1BKGDBY4	ME1BKGDBY5	ME1BKGDBY6	GND
16	ME3KYFL1Y8	ME3KYFL1Y9	ME1BKGDBY0	ME1BKGDBY1	GND	ME3KYFL1YCK
17	ME3KYFL1Y3	ME3KYFL1Y4	ME3KYFL1Y5	ME3KYFL1Y6	ME3KYFL1Y7	GND
18	ME2KYFL1Y9	ME3KYFL1Y0	ME3KYFL1Y1	ME3KYFL1Y2	GND	GND
19	ME2KYFL1Y4	ME2KYFL1Y5	ME2KYFL1Y6	ME2KYFL1Y7	ME2KYFL1Y8	GND
20	ME2KYFL1Y0	ME2KYFL1Y1	ME2KYFL1Y2	ME2KYFL1Y3	GND	ME2KYFL1YCK
21	ME1KYFL1Y5	ME1KYFL1Y6	ME1KYFL1Y7	ME1KYFL1Y8	ME1KYFL1Y9	GND
22	ME1KYFL1Y1	ME1KYFL1Y2	ME1KYFL1Y3	ME1KYFL1Y4	GND	ME1KYFL1YCK
23	ME3KYFL2Y6	ME3KYFL2Y7	ME3KYFL2Y8	ME3KYFL2Y9	ME1KYFL1Y0	GND
24	ME3KYFL2Y2	ME3KYFL2Y3	ME3KYFL2Y4	ME3KYFL2Y5	GND	ME3KYFL2YCK
25	ME2KYFL2Y7	ME2KYFL2Y8	ME2KYFL2Y9	ME3KYFL2Y0	ME3KYFL2Y1	GND
26	ME2KYFL2Y3	ME2KYFL2Y4	ME2KYFL2Y5	ME2KYFL2Y6	GND	ME2KYFL2YCK
27	ME1KYFL2Y8	ME1KYFL2Y9	ME2KYFL2Y0	ME2KYFL2Y1	ME2KYFL2Y2	GND
28	ME1KYFL2Y4	ME1KYFL2Y5	ME1KYFL2Y6	ME1KYFL2Y7	GND	ME1KYFL2YCK
29	ME3UTILY9	ME1KYFL2Y0	ME1KYFL2Y1	ME1KYFL2Y2	ME1KYFL2Y3	GND
30	ME3UTILY5	ME3UTILY6	ME3UTILY7	ME3UTILY8	GND	ME3UTILYCK
31	ME3UTILY0	ME3UTILY1	ME3UTILY2	ME3UTILY3	ME3UTILY4	GND
32	ME2UTILY6	ME2UTILY7	ME2UTILY8	ME2UTILY9	GND	ME2UTILYCK
33	ME2UTILY1	ME2UTILY2	ME2UTILY3	ME2UTILY4	ME2UTILY5	GND
34	ME1UTILY7	ME1UTILY8	ME1UTILY9	ME2UTILY0	GND	ME1UTILYCK
35	ME1UTILY2	ME1UTILY3	ME1UTILY4	ME1UTILY5	ME1UTILY6	GND
36	ME2PRFLY8	ME2PRFLY9	ME1UTILY0	ME1UTILY1	GND	ME2PRFLYCK
37	ME2PRFLY3	ME2PRFLY4	ME2PRFLY5	ME2PRFLY6	ME2PRFLY7	GND
38	ME1PRFLY9	ME2PRFLY0	ME2PRFLY1	ME2PRFLY2	GND	GND
39	ME1PRFLY4	ME1PRFLY5	ME1PRFLY6	ME1PRFLY7	ME1PRFLY8	GND
40	ME1PRFLY0	ME1PRFLY1	ME1PRFLY2	ME1PRFLY3	GND	ME1PRFLYCK
41	GND	GND	GND	GND	GND	GND

CNZ10

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	GND	GND	GND	GND	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	ME3CRKMSKY8	ME3CRKMSKY9	GND	GND	GND	ME3CRKMSKYCK
13	ME3CRKMSKY4	ME3CRKMSKY5	ME3CRKMSKY6	ME3CRKMSKY7	GND	GND
14	ME3CRKMSKY0	ME3CRKMSKY1	ME3CRKMSKY2	ME3CRKMSKY3	GND	GND
15	GND	GND	GND	GND	GND	GND
16	ME3CRKFLY8	ME3CRKFLY9	GND	GND	GND	ME3CRKFLYCK
17	ME3CRKFLY4	ME3CRKFLY5	ME3CRKFLY6	ME3CRKFLY7	GND	GND
18	ME3CRKFLY0	ME3CRKFLY1	ME3CRKFLY2	ME3CRKFLY3	GND	GND
19	GND	GND	GND	GND	GND	GND
20	ME3CRKFLC8	ME3CRKFLC9	GND	GND	GND	ME3CRKFLCCK
21	ME3CRKFLC4	ME3CRKFLC5	ME3CRKFLC6	ME3CRKFLC7	GND	GND
22	ME3CRKFLC0	ME3CRKFLC1	ME3CRKFLC2	ME3CRKFLC3	GND	GND
23	GND	GND	GND	GND	GND	GND
24	ME3CRFILLY8	ME3CRFILLY9	ME3CRFILLY10	ME3CRFILLY11	GND	ME3CRFILLYCK
25	ME3CRFILLY4	ME3CRFILLY5	ME3CRFILLY6	ME3CRFILLY7	GND	GND
26	ME3CRFILLY0	ME3CRFILLY1	ME3CRFILLY2	ME3CRFILLY3	GND	GND
27	GND	GND	GND	GND	GND	GND
28	ME3CRFILLC8	ME3CRFILLC9	ME3CRFILLC10	ME3CRFILLC11	GND	ME3CRFILLCCK
29	ME3CRFILLC4	ME3CRFILLC5	ME3CRFILLC6	ME3CRFILLC7	GND	GND
30	ME3CRFILLC0	ME3CRFILLC1	ME3CRFILLC2	ME3CRFILLC3	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	SAD3P	SAD3N	SDW3P	SDW3N	RST1	GND
40	SCK3P	SCK3N	SDRP	SDRN	GND	GND
41					CKX1	GND

CNZ11

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	ME3CRKKYY8	ME3CRKKYY9	GND	GND	GND	ME3CRKKYYCK
3	ME3CRKKYY4	ME3CRKKYY5	ME3CRKKYY6	ME3CRKKYY7	GND	GND
4	ME3CRKKYY0	ME3CRKKYY1	ME3CRKKYY2	ME3CRKKYY3	GND	GND
5	GND	GND	GND	GND	GND	GND
6	ME3CRKWSL12	ME3CRKWSL13	ME3CRKWSL14	ME3CRKWSL15	GND	ME3CRKWSLUCK
7	ME3CRKWSL8	ME3CRKWSL9	ME3CRKWSL10	ME3CRKWSL11	GND	GND
8	ME3CRKWSL4	ME3CRKWSL5	ME3CRKWSL6	ME3CRKWSL7	GND	ME3CRKWSLLCK
9	ME3CRKWSL0	ME3CRKWSL1	ME3CRKWSL2	ME3CRKWSL3	GND	GND
10	GND	GND	GND	GND	GND	GND
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	GND	GND	GND	GND	GND	GND
14	GND	GND	GND	GND	GND	GND
15	GND	GND	GND	GND	GND	GND
16	GND	GND	GND	GND	GND	GND
17	GND	GND	GND	GND	GND	GND
18	GND	GND	GND	GND	GND	GND
19	GND	GND	GND	GND	GND	GND
20	GND	GND	GND	GND	GND	GND
21	GND	GND	GND	GND	GND	GND
22	GND	GND	GND	GND	GND	GND
23	GND	GND	GND	GND	GND	GND
24	GND	GND	GND	GND	GND	GND
25	GND	GND	GND	GND	GND	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	SAD3P	SAD3N	SDW3P	SDW3N	RST1	GND
40	SCK3P	SCK3N	SDRP	SDRN	GND	GND
41					CKX1	GND

CNZ12

	A	B	C	D	E	F
1	CCROUTY5	CCROUTY6	CCROUTY7	CCROUTY8	CCROUTY9	GND
2	CCROUTY1	CCROUTY2	CCROUTY3	CCROUTY4	GND	CCROUTYCK
3	IN11Y6	IN11Y7	IN11Y8	IN11Y9	CCROUTY0	GND
4	IN11Y2	IN11Y3	IN11Y4	IN11Y5	GND	IN11YCK
5	IN26Y7	IN26Y8	IN26Y9	IN11Y0	IN11Y1	GND
6	IN26Y3	IN26Y4	IN26Y5	IN26Y6	GND	IN26YCK
7	IN12Y8	IN12Y9	IN26Y0	IN26Y1	IN26Y2	GND
8	IN12Y4	IN12Y5	IN12Y6	IN12Y7	GND	IN12YCK
9	IN27Y9	IN12Y0	IN12Y1	IN12Y2	IN12Y3	GND
10	IN27Y5	IN27Y6	IN27Y7	IN27Y8	GND	IN27YCK
11	IN27Y0	IN27Y1	IN27Y2	IN27Y3	IN27Y4	GND
12	IN13Y6	IN13Y7	IN13Y8	IN13Y9	GND	IN13YCK
13	IN13Y1	IN13Y2	IN13Y3	IN13Y4	IN13Y5	GND
14	IN28Y7	IN28Y8	IN28Y9	IN13Y0	GND	IN28YCK
15	IN28Y2	IN28Y3	IN28Y4	IN28Y5	IN28Y6	GND
16	IN14Y8	IN14Y9	IN28Y0	IN28Y1	GND	IN14YCK
17	IN14Y3	IN14Y4	IN14Y5	IN14Y6	IN14Y7	GND
18	IN29Y9	IN14Y0	IN14Y1	IN14Y2	GND	GND
19	IN29Y4	IN29Y5	IN29Y6	IN29Y7	IN29Y8	GND
20	IN29Y0	IN29Y1	IN29Y2	IN29Y3	GND	IN29YCK
21	IN15Y5	IN15Y6	IN15Y7	IN15Y8	IN15Y9	GND
22	IN15Y1	IN15Y2	IN15Y3	IN15Y4	GND	IN15YCK
23	IN30Y6	IN30Y7	IN30Y8	IN30Y9	IN15Y0	GND
24	IN30Y2	IN30Y3	IN30Y4	IN30Y5	GND	IN30YCK
25	GND	GND	GND	IN30Y0	IN30Y1	GND
26	GND	GND	GND	GND	GND	GND
27	AUX6Y5	AUX6Y6	AUX6Y7	AUX6Y8	AUX6Y9	GND
28	AUX6Y1	AUX6Y2	AUX6Y3	AUX6Y4	GND	AUX6YCK
29	AUX7Y6	AUX7Y7	AUX7Y8	AUX7Y9	AUX6Y0	GND
30	AUX7Y2	AUX7Y3	AUX7Y4	AUX7Y5	GND	AUX7YCK
31	AUX8Y7	AUX8Y8	AUX8Y9	AUX7Y0	AUX7Y1	GND
32	AUX8Y3	AUX8Y4	AUX8Y5	AUX8Y6	GND	AUX8YCK
33	AUX9Y8	AUX9Y9	AUX8Y0	AUX8Y1	AUX8Y2	GND
34	AUX9Y4	AUX9Y5	AUX9Y6	AUX9Y7	GND	AUX9YCK
35	AUX10Y9	AUX9Y0	AUX9Y1	AUX9Y2	AUX9Y3	GND
36	AUX10Y5	AUX10Y6	AUX10Y7	AUX10Y8	GND	AUX10YCK
37	AUX10Y0	AUX10Y1	AUX10Y2	AUX10Y3	AUX10Y4	GND
38	GND	GND	GND	GND	GND	GND
39	SADOP	SADON	SDWOP	SDWON	RSTO	GND
40	SCKOP	SCKON	SDRP	SDRN	GND	GND
41	GND	P5VA			CKXO	GND

Motherboard
MB-494 (8/12)
BOARD NO. 1-646-568-11

HDS-7000

VSW-33-SLOT 13

CNV13

	A	B	C	D	E	F
1	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
2	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
3	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
4	P5VA	P5VA	P5VA	P5VA	P5VA	P5VA
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	IN1C5	IN1C6	IN1C7	IN1C8	IN1C9	GND
12	IN1C1	IN1C2	IN1C3	IN1C4	GND	IN1CCK
13	IN16C6	IN16C7	IN16C8	IN16C9	IN1C0	GND
14	IN16C2	IN16C3	IN16C4	IN16C5	GND	IN16CCK
15	IN2C7	IN2C8	IN2C9	IN16C0	IN16C1	GND
16	IN2C3	IN2C4	IN2C5	IN2C6	GND	IN2CCK
17	IN17C8	IN17C9	IN2C0	IN2C1	IN2C2	GND
18	IN17C4	IN17C5	IN17C6	IN17C7	GND	IN17CCK
19	IN3C9	IN17C0	IN17C1	IN17C2	IN17C3	GND
20	IN3C5	IN3C6	IN3C7	IN3C8	GND	IN3CCK
21	IN3C0	IN3C1	IN3C2	IN3C3	IN3C4	GND
22	IN18C6	IN18C7	IN18C8	IN18C9	GND	IN18CCK
23	IN18C1	IN18C2	IN18C3	IN18C4	IN18C5	GND
24	IN4C7	IN4C8	IN4C9	IN18C0	GND	IN4CCK
25	IN4C2	IN4C3	IN4C4	IN4C5	IN4C6	GND
26	IN19C8	IN19C9	IN4C0	IN4C1	GND	IN19CCK
27	IN19C3	IN19C4	IN19C5	IN19C6	IN19C7	GND
28	ME2PVW1C9	IN19C0	IN19C1	IN19C2	GND	GND
29	ME2PVW1C4	ME2PVW1C5	ME2PVW1C6	ME2PVW1C7	ME2PVW1C8	GND
30	ME1PVW1C0	ME2PVW1C1	ME1PVW1C2	ME2PVW1C3	GND	ME2PVW1CCK
31	ME2PVW1C5	ME2PVW1C6	ME2PVW1C7	ME2PVW1C8	ME2PVW1C9	GND
32	ME2PVW1C1	ME2PVW1C2	ME2PVW1C3	ME2PVW1C4	GND	ME2PVW1CCK
33	ME1PVW1C6	ME1PVW1C7	ME1PVW1C8	ME1PVW1C9	ME2PVW1C0	GND
34	ME1PVW1C2	ME1PVW1C3	ME1PVW1C4	ME1PVW1C5	GND	ME1PVW1CCK
35	ME3PGM1C7	ME3PGM1C8	ME3PGM1C9	ME1PVW1C0	ME1PVW1C1	GND
36	ME3PGM1C3	ME3PGM1C4	ME3PGM1C5	ME3PGM1C6	GND	ME3PGM1CCK
37	ME2PGM1C8	ME3PGM1C9	ME3PGM1C0	ME3PGM1C1	ME3PGM1C2	GND
38	ME2PGM1C4	ME2PGM1C5	ME2PGM1C6	ME2PGM1C7	GND	ME2PGM1CCK
39	ME1PGM1C9	ME2PGM1C0	ME2PGM1C1	ME2PGM1C2	ME2PGM1C3	GND
40	ME1PGM1C5	ME1PGM1C6	ME1PGM1C7	ME1PGM1C8	GND	ME1PGM1CCK
41	ME1PGM1C0	ME1PGM1C1	ME1PGM1C2	ME1PGM1C3	ME1PGM1C4	GND

CNW13

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	FWINC7	FWINC8	FWINC9	GND	GND	FWINCCK
3	FWINC2	FWINC3	FWINC4	FWINC5	FWINC6	GND
4			FWINC0	FWINC1	GND	
5						GND
6	GND				GND	GND
7				GND	GND	GND
8					GND	
9						GND
10					GND	
11						GND
12					GND	
13						GND
14	ME1CRKKYC6	ME1CRKKYC7	ME1CRKKYC8	ME1CRKKYC9	GND	ME1CRKKYCCK
15	ME1CRKKYC1	ME1CRKKYC2	ME1CRKKYC3	ME1CRKKYC4	ME1CRKKYC5	GND
16	ME2CRKKYC7	ME2CRKKYC8	ME2CRKKYC9	ME1CRKKYC0	GND	ME2CRKKYCCK
17	ME2CRKKYC2	ME2CRKKYC3	ME2CRKKYC4	ME2CRKKYC5	ME2CRKKYC6	GND
18	ME3CRKKYC8	ME3CRKKYC9	ME2CRKKYC0	ME2CRKKYC1	GND	ME3CRKKYCCK
19	ME3CRKKYC3	ME3CRKKYC4	ME3CRKKYC5	ME3CRKKYC6	ME3CRKKYC7	GND
20		ME3CRKKYC0	ME3CRKKYC1	ME3CRKKYC2	GND	GND
21						GND
22					GND	
23						GND
24					GND	
25						GND
26					GND	
27						GND
28					GND	
29						GND
30					GND	
31	ME1PROCFLC9					GND
32	ME1PROCFLC5	ME1PROCFLC6	ME1PROCFLC7	ME1PROCFLC8	GND	ME1PROCFLCCK
33	ME1PROCFLC0	ME1PROCFLC1	ME1PROCFLC2	ME1PROCFLC3	ME1PROCFLC4	GND
34	ME2PROCFLC6	ME2PROCFLC7	ME2PROCFLC8	ME2PROCFLC9	GND	ME2PROCFLCCK
35	ME2PROCFLC1	ME2PROCFLC2	ME2PROCFLC3	ME2PROCFLC4	ME2PROCFLC5	GND
36	ME3PROCFLC7	ME3PROCFLC8	ME3PROCFLC9	ME2PROCFLC0	GND	ME3PROCFLCCK
37	ME3PROCFLC2	ME3PROCFLC3	ME3PROCFLC4	ME3PROCFLC5	ME3PROCFLC6	GND
38	FWOUTC8	FWOUTC9	ME3PROCFLC0	ME3PROCFLC1	GND	FWOUTCCK
39	FWOUTC3	FWOUTC4	FWOUTC5	FWOUTC6	FWOUTC7	GND
40	GND	FWOUTC0	FWOUTC1	FWOUTC2	GND	GND
41	GND	GND	GND	GND	GND	GND

CNX13

	A	B	C	D	E	F
1						GND
2					GND	
3	IN5C6	IN5C7	IN5C8	IN5C9		GND
4	IN5C2	IN5C3	IN5C4	IN5C5	GND	IN5CCK
5	IN20C7	IN20C8	IN20C9	IN5C0	IN5C1	GND
6	IN20C3	IN20C4	IN20C5	IN20C6	GND	IN20CCK
7	IN6C8	IN6C9	IN20C0	IN20C1	IN20C2	GND
8	IN6C4	IN6C5	IN6C6	IN6C7	GND	IN6CCK
9	IN21C9	IN6C0	IN6C1	IN6C2	IN6C3	GND
10	IN21C5	IN21C6	IN21C7	IN21C8	GND	IN21CCK
11	IN21C0	IN21C1	IN21C2	IN21C3	IN21C4	GND
12	IN7C6	IN7C7	IN7C8	IN7C9	GND	IN7CCK
13	IN7C1	IN7C2	IN7C3	IN7C4	IN7C5	GND
14	IN22C7	IN22C8	IN22C9	IN7C0	GND	IN22CCK
15	IN22C2	IN22C3	IN22C4	IN22C5	IN22C6	GND
16	IN8C8	IN8C9	IN22C0	IN22C1	GND	IN8CCK
17	IN8C3	IN8C4	IN8C5	IN8C6	IN8C7	GND
18	IN23C9	IN8C0	IN8C1	IN8C2	GND	GND
19	IN23C4	IN23C5	IN23C6	IN23C7	IN23C8	GND
20	IN23C0	IN23C2	IN23C3	IN23C4	GND	IN23CCK
21	IN9C5	IN9C6	IN9C7	IN9C8	IN9C9	GND
22	IN9C1	IN9C2	IN9C3	IN9C4	GND	IN9CCK
23	IN24C6	IN24C7	IN24C8	IN24C9	IN9C0	GND
24	IN24C2	IN24C3	IN24C4	IN24C5	GND	IN24CCK
25	IN10C7	IN10C8	IN10C9	IN24C0	IN24C1	GND
26	IN10C3	IN10C4	IN10C5	IN10C6	GND	IN10CCK
27	IN25C8	IN25C9	IN10C0	IN10C1	IN10C2	GND
28	IN25C4	IN25C5	IN25C6	IN25C7	GND	IN25CCK
29	AUX1C9	IN25C0	IN25C1	IN25C2	IN25C3	GND
30	AUX1C5	AUX1C6	AUX1C7	AUX1C8	GND	AUX1CCK
31	AUX1C0	AUX1C1	AUX1C2	AUX1C3	AUX1C4	GND
32	AUX2C6	AUX2C7	AUX2C8	AUX2C9	GND	AUX2CCK
33	AUX2C1	AUX2C2	AUX2C3	AUX2C4	AUX2C5	GND
34	AUX3C7	AUX3C8	AUX3C9	AUX2C0	GND	AUX3CCK
35	AUX3C2	AUX3C3	AUX3C4	AUX3C5	AUX3C6	GND
36	AUX4C8	AUX4C9	AUX3C0	AUX3C1	GND	AUX4CCK
37	AUX4C3	AUX4C4	AUX4C5	AUX4C6	AUX4C7	GND
38	AUX5C9	AUX4C0	AUX4C1	AUX4C2	GND	GND
39	AUX5C4	AUX5C5	AUX5C6	AUX5C7	AUX5C8	GND
40	AUX5C0	AUX5C1	AUX5C2	AUX5C3	GND	AUX5CCK
41	37CK11P	37CK11N	GND	FWCK11P	FWCK11N	GND

DI-21-SLOT 14

CNV14

	A	B	C	D	E	F
1	P5VC	P5VC	P5VC	P5VC	P5VC	P5VC
2	P5VC	P5VC	P5VC	P5VC	P5VC	P5VC
3	P5VC	P5VC	P5VC	P5VC	P5VC	P5VC
4	P5VC	P5VC	P5VC	P5VC	P5VC	P5VC
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	IN16Y5	IN16Y6	IN16Y7	IN16Y8	IN16Y9	GND
12	IN16Y1	IN16Y2	IN16Y3	IN16Y4	GND	IN16YCK
13	IN16C6	IN16C7	IN16C8	IN16C9	IN16Y0	GND
14	IN16C2	IN16C3	IN16C4	IN16C5	GND	IN16CCK
15	IN17Y7	IN17Y8	IN17Y9	IN16C0	IN16C1	GND
16	IN17Y3	IN17Y4	IN17Y5	IN17Y6	GND	IN17YCK
17	IN17C8	IN17C9	IN17Y0	IN17Y1	IN17Y2	GND
18	IN17C4	IN17C5	IN17C6	IN17C7	GND	IN17CCK
19	IN18Y9	IN17C0	IN17C1	IN17C2	IN17C3	GND
20	IN18Y5	IN18Y6	IN18Y7	IN18Y8	GND	IN18YCK
21	IN18Y0	IN18Y1	IN18Y2	IN18Y3	IN18Y4	GND
22	IN18C6	IN18C7	IN18C8	IN18C9	GND	IN18CCK
23	IN18C1	IN18C2	IN18C3	IN18C4	IN18C5	GND
24	IN19Y7	IN19Y8	IN19Y9	IN18C0	GND	IN19YCK
25	IN19Y2	IN19Y3	IN19Y4	IN19Y5	IN19Y6	GND
26	IN19C8	IN19C9	IN19Y0	IN19Y1	GND	IN19CCK
27	IN19C3	IN19C4	IN19C5	IN19C6	IN19C7	GND
28	GND	IN19C0	IN19C1	IN19C2	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNX14

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	IN20Y6	IN20Y7	IN20Y8	IN20Y9	GND	GND
4	IN20Y2	IN20Y3	IN20Y4	IN20Y5	GND	IN20YCK
5	IN20C7	IN20C8	IN20C9	IN20Y0	IN20Y1	GND
6	IN20C3	IN20C4	IN20C5	IN20C6	GND	IN20CCK
7	IN21Y8	IN21Y9	IN20C0	IN20C1	IN20C2	GND
8	IN21Y4	IN21Y5	IN21Y6	IN21Y7	GND	IN21YCK
9	IN21C9	IN21Y0	IN21Y1	IN21Y2	IN21Y3	GND
10	IN21C5	IN21C6	IN21C7	IN21C8	GND	IN21CCK
11	IN21C0	IN21C1	IN21C2	IN21C3	IN21C4	GND
12	IN22Y6	IN22Y7	IN22Y8	IN22Y9	GND	IN22YCK
13	IN22Y1	IN22Y2	IN22Y3	IN22Y4	IN22Y5	GND
14	IN22C7	IN22C8	IN22C9	IN22Y0	GND	IN22CCK
15	IN22C2	IN22C3	IN22C4	IN22C5	IN22C6	GND
16	IN23Y8	IN23Y9	IN22C0	IN22C1	GND	IN23YCK
17	IN23Y3	IN23Y4	IN23Y5	IN23Y6	IN23Y7	GND
18	IN23C9	IN23Y0	IN23Y1	IN23Y2	GND	GND
19	IN23C4	IN23C5	IN23C6	IN23C7	IN23C8	GND
20	IN23C0	IN23C2	IN23C3	IN23C4	GND	IN23CCK
21	IN24Y5	IN24Y6	IN24Y7	IN24Y8	IN24Y9	GND
22	IN24Y1	IN24Y2	IN24Y3	IN24Y4	GND	IN24YCK
23	IN24C6	IN24C7	IN24C8	IN24C9	IN24Y0	GND
24	IN24C2	IN24C3	IN24C4	IN24C5	GND	IN24CCK
25	IN25Y7	IN25Y8	IN25Y9	IN25Y0	IN24C1	GND
26	IN25Y3	IN25Y4	IN25Y5	IN25Y6	GND	IN25YCK
27	IN25C8	IN25C9	IN25Y0	IN25Y1	IN25Y2	GND
28	IN25C4	IN25C5	IN25C6	IN25C7	GND	IN25CCK
29	GND	IN25C0	IN25C1	IN25C2	IN25C3	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK12P	37CK12N	GND	FWCK12P	FWCK12N	GND

DI-21-SLOT 15

CNV15

	A	B	C	D	E	F
1	P5VC	P5VC	P5VC	P5VC	P5VC	P5VC
2	P5VC	P5VC	P5VC	P5VC	P5VC	P5VC
3	P5VC	P5VC	P5VC	P5VC	P5VC	P5VC
4	P5VC	P5VC	P5VC	P5VC	P5VC	P5VC
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	IN1Y5	IN1Y6	IN1Y7	IN1Y8	IN1Y9	GND
12	IN1Y1	IN1Y2	IN1Y3	IN1Y4	GND	IN1YCK
13	IN1C6	IN1C7	IN1C8	IN1C9	IN1Y0	GND
14	IN1C2	IN1C3	IN1C4	IN1C5	GND	IN1CCK
15	IN2Y7	IN2Y8	IN2Y9	IN1C0	IN1C1	GND
16	IN2Y3	IN2Y4	IN2Y5	IN2Y6	GND	IN2YCK
17	IN2C8	IN2C9	IN2Y0	IN2Y1	IN2Y2	GND
18	IN2C4	IN2C5	IN2C6	IN2C7	GND	IN2CCK
19	IN3Y9	IN2C0	IN2C1	IN2C2	IN2C3	GND
20	IN3Y5	IN3Y6	IN3Y7	IN3Y8	GND	IN3YCK
21	IN3Y0	IN3Y1	IN3Y2	IN3Y3	IN3Y4	GND
22	IN3C6	IN3C7	IN3C8	IN3C9	GND	IN3CCK
23	IN3C1	IN3C2	IN3C3	IN3C4	IN3C5	GND
24	IN4Y7	IN4Y8	IN4Y9	IN3C0	GND	IN4YCK
25	IN4Y2	IN4Y3	IN4Y4	IN4Y5	IN4Y6	GND
26	IN4C8	IN4C9	IN4Y0	IN4Y1	GND	IN4CCK
27	IN4C3	IN4C4	IN4C5	IN4C6	IN4C7	GND
28	GND	IN4C0	IN4C1	IN4C2	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	GND	GND	GND	GND	GND	GND

CNX15

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	IN5Y6	IN5Y7	IN5Y8	IN5Y9	GND	GND
4	IN5Y2	IN5Y3	IN5Y4	IN5Y5	GND	IN5YCK
5	IN5C7	IN5C8	IN5C9	IN5Y0	IN5Y1	GND
6	IN5C3	IN5C4	IN5C5	IN5C6	GND	IN5CCK
7	IN6Y8	IN6Y9	IN5C0	IN5C1	IN5C2	GND
8	IN6Y4	IN6Y5	IN6Y6	IN6Y7	GND	IN6YCK
9	IN6C9	IN6Y0	IN6Y1	IN6Y2	IN6Y3	GND
10	IN6C5	IN6C6	IN6C7	IN6C8	GND	IN6CCK
11	IN6C0	IN6C1	IN6C2	IN6C3	IN6C4	GND
12	IN7Y6	IN7Y7	IN7Y8	IN7Y9	GND	IN7YCK
13	IN7Y1	IN7Y2	IN7Y3	IN7Y4	IN7Y5	GND
14	IN7C7	IN7C8	IN7C9	IN7Y0	GND	IN7CCK
15	IN7C2	IN7C3	IN7C4	IN7C5	IN7C6	GND
16	IN8Y8	IN8Y9	IN7C0	IN7C1	GND	IN8YCK
17	IN8Y3	IN8Y4	IN8Y5	IN8Y6	IN8Y7	GND
18	IN8C9	IN8Y0	IN8Y1	IN8Y2	GND	GND
19	IN8C4	IN8C5	IN8C6	IN8C7	IN8C8	GND
20	IN9C0	IN9C1	IN8C2	IN8C3	GND	IN8CCK
21	IN9Y5	IN9Y6	IN9Y7	IN9Y8	IN9Y9	GND
22	IN9Y1	IN9Y2	IN9Y3	IN9Y4	GND	IN9YCK
23	IN9C6	IN9C7	IN9C8	IN9C9	IN9Y0	GND
24	IN9C2	IN9C3	IN9C4	IN9C5	GND	IN9CCK
25	IN10Y7	IN10Y8	IN10Y9	IN9C0	IN9C1	GND
26	IN10Y3	IN10Y4	IN10Y5	IN10Y6	GND	IN10YCK
27	IN10C8	IN10C9	IN10Y0	IN10Y1	IN10Y2	GND
28	IN10C4	IN10C5	IN10C6	IN10C7	GND	IN10CCK
29	GND	IN10C0	IN10C1	IN10C2	IN10C3	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	GND	GND	GND	GND	GND	GND
40	GND	GND	GND	GND	GND	GND
41	37CK13P	37CK13N	GND	FWCK13P	FWCK13N	GND

Motherboard
MB-494 (9/12)
BOARD NO. 1-646-568-11

HDS-7000

A B C D E F G H

1 2 3 4 5

MB-494 (10/12)

CNY13

	A	B	C	D	E	F
1	CCRINC5	CCRINC6	CCRINC7	CCRINC8	CCRINC9	GND
2	CCRINC1	CCRINC2	CCRINC3	CCRINC4	GND	CCRINCCK
3	ME3BKGDAC6	ME3BKGDAC7	ME3BKGDAC8	ME3BKGDAC9	CCRINC0	GND
4	ME3BKGDAC2	ME3BKGDAC3	ME3BKGDAC4	ME3BKGDAC5	GND	ME3BKGDACCK
5	ME2BKGDAC7	ME2BKGDAC8	ME2BKGDAC9	ME3BKGDAC0	ME3BKGDAC1	GND
6	ME2BKGDAC3	ME2BKGDAC4	ME2BKGDAC5	ME2BKGDAC6	GND	ME2BKGDACCK
7	ME1BKGDAC8	ME1BKGDAC9	ME2BKGDAC0	ME2BKGDAC1	ME2BKGDAC2	GND
8	ME1BKGDAC4	ME1BKGDAC5	ME1BKGDAC6	ME1BKGDAC7	GND	ME1BKGDACCK
9	ME3BKGDBC9	ME1BKGDAC0	ME1BKGDAC1	ME1BKGDAC2	ME1BKGDAC3	GND
10	ME3BKGDBC5	ME3BKGDBC6	ME3BKGDBC7	ME3BKGDBC8	GND	ME3BKGDBCCK
11	ME3BKGDBC0	ME3BKGDBC1	ME3BKGDBC2	ME3BKGDBC3	ME3BKGDBC4	GND
12	ME2BKGDBC6	ME2BKGDBC7	ME2BKGDBC8	ME2BKGDBC9	GND	ME2BKGDBCCK
13	ME2BKGDBC1	ME2BKGDBC2	ME2BKGDBC3	ME2BKGDBC4	ME2BKGDBC5	GND
14	ME1BKGDBC7	ME1BKGDBC8	ME1BKGDBC9	ME2BKGDBC0	GND	ME1BKGDBCCK
15	ME1BKGDBC2	ME1BKGDBC3	ME1BKGDBC4	ME1BKGDBC5	ME1BKGDBC6	GND
16	ME3KYFL1C8	ME3KYFL1C9	ME1BKGDBC0	ME1BKGDBC1	GND	ME3KYFL1CCK
17	ME3KYFL1C3	ME3KYFL1C4	ME3KYFL1C5	ME3KYFL1C6	ME3KYFL1C7	GND
18	ME2KYFL1C9	ME3KYFL1C0	ME3KYFL1C1	ME3KYFL1C2	GND	GND
19	ME2KYFL1C4	ME2KYFL1C5	ME2KYFL1C6	ME2KYFL1C7	ME2KYFL1C8	GND
20	ME2KYFL1C0	ME2KYFL1C1	ME2KYFL1C2	ME2KYFL1C3	GND	ME2KYFL1CCK
21	ME1KYFL1C5	ME1KYFL1C6	ME1KYFL1C7	ME1KYFL1C8	ME1KYFL1C9	GND
22	ME1KYFL1C1	ME1KYFL1C2	ME1KYFL1C3	ME1KYFL1C4	GND	ME1KYFL1CCK
23	ME3KYFL2C6	ME3KYFL2C7	ME3KYFL2C8	ME3KYFL2C9	ME1KYFL1C0	GND
24	ME3KYFL2C2	ME3KYFL2C3	ME3KYFL2C4	ME3KYFL2C5	GND	ME3KYFL2CCK
25	ME2KYFL2C7	ME2KYFL2C8	ME2KYFL2C9	ME3KYFL2C0	ME3KYFL2C1	GND
26	ME2KYFL2C3	ME2KYFL2C4	ME2KYFL2C5	ME2KYFL2C6	GND	ME2KYFL2CCK
27	ME1KYFL2C8	ME1KYFL2C9	ME2KYFL2C0	ME2KYFL2C1	ME2KYFL2C2	GND
28	ME1KYFL2C4	ME1KYFL2C5	ME1KYFL2C6	ME1KYFL2C7	GND	ME1KYFL2CCK
29	ME3UTILC9	ME1KYFL2C0	ME1KYFL2C1	ME1KYFL2C2	ME1KYFL2C3	GND
30	ME3UTILC5	ME3UTILC6	ME3UTILC7	ME3UTILC8	GND	ME3UTILCCK
31	ME3UTILC0	ME3UTILC1	ME3UTILC2	ME3UTILC3	ME3UTILC4	GND
32	ME2UTILC6	ME2UTILC7	ME2UTILC8	ME2UTILC9	GND	ME2UTILCCK
33	ME2UTILC1	ME2UTILC2	ME2UTILC3	ME2UTILC4	ME2UTILC5	GND
34	ME1UTILC7	ME1UTILC8	ME1UTILC9	ME2UTILC0	GND	ME1UTILCCK
35	ME1UTILC2	ME1UTILC3	ME1UTILC4	ME1UTILC5	ME1UTILC6	GND
36	ME2PRFLC8	ME2PRFLC9	ME1UTILC0	ME1UTILC1	GND	ME2PRFLCCK
37	ME2PRFLC3	ME2PRFLC4	ME2PRFLC5	ME2PRFLC6	ME2PRFLC7	GND
38	ME1PRFLC9	ME2PRFLC0	ME2PRFLC1	ME2PRFLC2	GND	GND
39	ME1PRFLC4	ME1PRFLC5	ME1PRFLC6	ME1PRFLC7	ME1PRFLC8	GND
40	ME1PRFLC0	ME1PRFLC1	ME1PRFLC2	ME1PRFLC3	GND	ME1PRFLCCK
41	GND	GND	GND	GND	GND	GND

CNZ13

	A	B	C	D	E	F
1	CCROUTC5	CCROUTC6	CCROUTC7	CCROUTC8	CCROUTC9	GND
2	CCROUTC1	CCROUTC2	CCROUTC3	CCROUTC4	GND	CCROUTCCK
3	IN11C6	IN11C7	IN11C8	IN11C9	CCROUTC0	GND
4	IN11C2	IN11C3	IN11C4	IN11C5	GND	IN11CCK
5	IN26C7	IN26C8	IN26C9	IN11C0	IN11C1	GND
6	IN26C3	IN26C4	IN26C5	IN26C6	GND	IN26CCK
7	IN12C8	IN12C9	IN26C0	IN26C1	IN26C2	GND
8	IN12C4	IN12C5	IN12C6	IN12C7	GND	IN12CCK
9	IN27C9	IN12C0	IN12C1	IN12C2	IN12C3	GND
10	IN27C5	IN27C6	IN27C7	IN27C8	GND	IN27CCK
11	IN27C0	IN27C1	IN27C2	IN27C3	IN27C4	GND
12	IN13C6	IN13C7	IN13C8	IN13C9	GND	IN13CCK
13	IN13C1	IN13C2	IN13C3	IN13C4	IN13C5	GND
14	IN28C7	IN28C8	IN28C9	IN13C0	GND	IN28CCK
15	IN28C2	IN28C3	IN28C4	IN28C5	IN28C6	GND
16	IN14C8	IN14C9	IN28C0	IN28C1	GND	IN14CCK
17	IN14C3	IN14C4	IN14C5	IN14C6	IN14C7	GND
18	IN29C9	IN14C0	IN14C1	IN14C2	GND	GND
19	IN29C4	IN29C5	IN29C6	IN29C7	IN29C8	GND
20	IN29C0	IN29C1	IN29C2	IN29C3	GND	IN29CCK
21	IN15C5	IN15C6	IN15C7	IN15C8	IN15C9	GND
22	IN15C1	IN15C2	IN15C3	IN15C4	GND	IN15CCK
23	IN30C6	IN30C7	IN30C8	IN30C9	IN15C0	GND
24	IN30C2	IN30C3	IN30C4	IN30C5	GND	IN30CCK
25	GND	GND	GND	IN30C0	IN30C1	GND
26	GND	GND	GND	GND	GND	GND
27	AUX6C5	AUX6C6	AUX6C7	AUX6C8	AUX6C9	GND
28	AUX6C1	AUX6C2	AUX6C3	AUX6C4	GND	AUX6CCK
29	AUX7C6	AUX7C7	AUX7C8	AUX7C9	AUX6C0	GND
30	AUX7C2	AUX7C3	AUX7C4	AUX7C5	GND	AUX7CCK
31	AUX8C7	AUX8C8	AUX8C9	AUX7C0	AUX7C1	GND
32	AUX8C3	AUX8C4	AUX8C5	AUX8C6	GND	AUX8CCK
33	AUX9C8	AUX9C9	AUX8C0	AUX8C1	AUX8C2	GND
34	AUX9C4	AUX9C5	AUX9C6	AUX9C7	GND	AUX9CCK
35	AUX10C9	AUX9C0	AUX9C1	AUX9C2	AUX9C3	GND
36	AUX10C5	AUX10C6	AUX10C7	AUX10C8	GND	AUX10CCK
37	AUX10C0	AUX10C1	AUX10C2	AUX10C3	AUX10C4	GND
38	GND	GND	GND	GND	GND	GND
39	SADOP	SADON	SDWOP	SDWON	RSTO	GND
40	SCKOP	SCKON	SDRP	SDRN	GND	GND
41	P5VA	GND			CKX0	GND

CNZ14

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	IN26Y6	IN26Y7	IN26Y8	IN26Y9	GND	GND
4	IN26Y2	IN26Y3	IN26Y4	IN26Y5	GND	IN26YCK
5	IN26C7	IN26C8	IN26C9	IN26Y0	IN26Y1	GND
6	IN26C3	IN26C4	IN26C5	IN26C6	GND	IN26CCK
7	IN27Y8	IN27Y9	IN26C0	IN26C1	IN26C2	GND
8	IN27Y4	IN27Y5	IN27Y6	IN27Y7	GND	IN27YCK
9	IN27C9	IN27Y0	IN27Y1	IN27Y2	IN27Y3	GND
10	IN27C5	IN27C6	IN27C7	IN27C8	GND	IN27CCK
11	IN27C0	IN27C1	IN27C2	IN27C3	IN27C4	GND
12	IN28Y6	IN28Y7	IN28Y8	IN28Y9	GND	IN28YCK
13	IN28Y1	IN28Y2	IN28Y3	IN28Y4	IN28Y5	GND
14	IN28C7	IN28C8	IN28C9	IN28Y0	GND	IN28CCK
15	IN28C2	IN28C3	IN28C4	IN28C5	IN28C6	GND
16	IN29Y8	IN29Y9	IN28C0	IN28C1	GND	IN29YCK
17	IN29Y3	IN29Y4	IN29Y5	IN29Y6	IN29Y7	GND
18	IN29C9	IN29Y0	IN29Y1	IN29Y2	GND	GND
19	IN29C4	IN29C5	IN29C6	IN29C7	IN29C8	GND
20	IN29C0	IN29C1	IN29C2	IN29C3	GND	IN29CCK
21	IN30Y5	IN30Y6	IN30Y7	IN30Y8	IN30Y9	GND
22	IN30Y1	IN30Y2	IN30Y3	IN30Y4	GND	IN30YCK
23	IN30C6	IN30C7	IN30C8	IN30C9	IN30Y0	GND
24	IN30C2	IN30C3	IN30C4	IN30C5	GND	IN30CCK
25	GND	GND	GND	IN30C0	IN30C1	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	SADOP	SADON	SDWOP	SDWON	RSTO	GND
40	SCKOP	SCKON	SDRP	SDRN	GND	GND
41				P5VA	CKX0	GND

CNZ15

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	IN11Y6	IN11Y7	IN11Y8	IN11Y9	GND	GND
4	IN11Y2	IN11Y3	IN11Y4	IN11Y5	GND	IN11YCK
5	IN11C7	IN11C8	IN11C9	IN11Y0	IN11Y1	GND
6	IN11C3	IN11C4	IN11C5	IN11C6	GND	IN11CCK
7	IN12Y8	IN12Y9	IN11C0	IN11C1	IN11C2	GND
8	IN12Y4	IN12Y5	IN12Y6	IN12Y7	GND	IN12YCK
9	IN12C9	IN12Y0	IN12Y1	IN12Y2	IN12Y3	GND
10	IN12C5	IN12C6	IN12C7	IN12C8	GND	IN12CCK
11	IN12C0	IN12C1	IN12C2	IN12C3	IN12C4	GND
12	IN13Y6	IN13Y7	IN13Y8	IN13Y9	GND	IN13YCK
13	IN13Y1	IN13Y2	IN13Y3	IN13Y4	IN13Y5	GND
14	IN13C7	IN13C8	IN13C9	IN13Y0	GND	IN13CCK
15	IN13C2	IN13C3	IN13C4	IN13C5	IN13C6	GND
16	IN14Y8	IN14Y9	IN13C0	IN13C1	GND	IN14YCK
17	IN14Y3	IN14Y4	IN14Y5	IN14Y6	IN14Y7	GND
18	IN14C9	IN14Y0	IN14Y1	IN14Y2	GND	GND
19	IN14C4	IN14C5	IN14C6	IN14C7	IN14C8	GND
20	IN14C0	IN14C1	IN14C2	IN14C3	GND	IN14CCK
21	IN15Y5	IN15Y6	IN15Y7	IN15Y8	IN15Y9	GND
22	IN15Y1	IN15Y2	IN15Y3	IN15Y4	GND	IN15YCK
23	IN15C6	IN15C7	IN15C8	IN15C9	IN15Y0	GND
24	IN15C2	IN15C3	IN15C4	IN15C5	GND	IN15CCK
25	GND	GND	GND	IN15C0	IN15C1	GND
26	GND	GND	GND	GND	GND	GND
27	GND	GND	GND	GND	GND	GND
28	GND	GND	GND	GND	GND	GND
29	GND	GND	GND	GND	GND	GND
30	GND	GND	GND	GND	GND	GND
31	GND	GND	GND	GND	GND	GND
32	GND	GND	GND	GND	GND	GND
33	GND	GND	GND	GND	GND	GND
34	GND	GND	GND	GND	GND	GND
35	GND	GND	GND	GND	GND	GND
36	GND	GND	GND	GND	GND	GND
37	GND	GND	GND	GND	GND	GND
38	GND	GND	GND	GND	GND	GND
39	SADOP	SADON	SDWOP	SDWON	RSTO	GND
40	SCKOP	SCKON	SDRP	SDRN	GND	GND
41				GND	CKX0	GND

Motherboard
MB-494 (10/12)
BOARD NO. 1-646-568-11

HDS-7000

278
HDS-7000

OUT-7-SLOT 16

CNV16

	A	B	C	D	E	F
1	P5VC	P5VC	P5VC	P5VC	P5VC	P5VC
2	P5VC	P5VC	P5VC	P5VC	P5VC	P5VC
3	P5VC	P5VC	P5VC	P5VC	P5VC	P5VC
4	P5VC	P5VC	P5VC	P5VC	P5VC	P5VC
5	P3V	P3V	P3V	P3V	P3V	P3V
6	P3V	P3V	P3V	P3V	P3V	P3V
7	P3V	P3V	P3V	P3V	P3V	P3V
8	P3V	P3V	P3V	P3V	P3V	P3V
9	N5V	N5V	N5V	N5V	N5V	N5V
10	N5V	N5V	N5V	N5V	N5V	N5V
11	GND	GND	GND	GND	GND	GND
12	GND	GND	GND	GND	GND	GND
13	ME3CLNY5	ME3CLNY6	ME3CLNY7	ME3CLNY8	ME3CLNY9	GND
14	ME3CLNY1	ME3CLNY2	ME3CLNY3	ME3CLNY4	GND	ME3CLNYCK
15	GND	GND	GND	GND	ME3CLNY0	GND
16	GND	GND	GND	GND	GND	GND
17	ME3CLNC5	ME3CLNC6	ME3CLNC7	ME3CLNC8	ME3CLNC9	GND
18	ME3CLNC1	ME3CLNC2	ME3CLNC3	ME3CLNC4	GND	ME3CLNCCK
19	GND	GND	GND	GND	ME3CLNC0	GND
20	GND	GND	GND	GND	GND	GND
21	ME3PVW2Y5	ME3PVW2Y6	ME3PVW2Y7	ME3PVW2Y8	ME3PVW2Y9	GND
22	ME3PVW2Y1	ME3PVW2Y2	ME3PVW2Y3	ME3PVW2Y4	GND	ME3PVW2YCK
23	GND	GND	GND	GND	ME3PVW2Y0	GND
24	GND	GND	GND	GND	GND	GND
25	ME3PVW2C5	ME3PVW2C6	ME3PVW2C7	ME3PVW2C8	ME3PVW2C9	GND
26	ME3PVW2C1	ME3PVW2C2	ME3PVW2C3	ME3PVW2C4	GND	ME3PVW2CCK
27	ME3PGW2Y9	GND	GND	GND	ME3PVW2C0	GND
28	ME3PGW2Y5	ME3PGW2Y6	ME3PGW2Y7	ME3PGW2Y8	GND	ME3PGW2YCK
29	ME3PGW2Y0	ME3PGW2Y1	ME3PGW2Y2	ME3PGW2Y3	ME3PGW2Y4	GND
30	ME3PGW2C5	ME3PGW2C6	ME3PGW2C7	ME3PGW2C8	GND	ME3PGW2CCK
31	ME3PGW2C1	ME3PGW2C2	ME3PGW2C3	ME3PGW2C4	ME3PGW2C5	GND
32	ME2PGW2Y7	ME2PGW2Y8	ME2PGW2Y9	ME3PGW2C0	GND	ME2PGW2YCK
33	ME2PGW2Y2	ME2PGW2Y3	ME2PGW2Y4	ME2PGW2Y5	ME2PGW2Y6	GND
34	ME2PGW2C8	ME2PGW2C9	ME2PGW2Y0	ME2PGW2Y1	GND	ME2PGW2CCK
35	ME2PGW2C3	ME2PGW2C4	ME2PGW2C5	ME2PGW2C6	ME2PGW2C7	GND
36	ME1PGW2Y9	ME2PGW2C0	ME1PGW2C1	ME2PGW2C2	GND	GND
37	ME1PGW2Y4	ME1PGW2Y5	ME1PGW2Y6	ME1PGW2Y7	ME1PGW2Y8	GND
38	ME1PGW2Y0	ME1PGW2Y1	ME1PGW2Y2	ME1PGW2Y3	GND	ME1PGW2YCK
39	ME1PGW2C5	ME1PGW2C6	ME1PGW2C7	ME1PGW2C8	ME1PGW2C9	GND
40	ME1PGW2C1	ME1PGW2C2	ME1PGW2C3	ME1PGW2C4	GND	ME1PGW2CCK
41	GND	GND	GND	GND	ME1PGW2C0	GND

CNX16

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	GND	GND	GND	GND	GND	GND
8	GND	GND	GND	GND	GND	GND
9	AUX1Y5	AUX1Y6	AUX1Y7	AUX1Y8	AUX1Y9	GND
10	AUX1Y1	AUX1Y2	AUX1Y3	AUX1Y4	GND	AUX1YCK
11	GND	GND	GND	GND	AUX1Y0	GND
12	GND	GND	GND	GND	GND	GND
13	AUX1C5	AUX1C6	AUX1C7	AUX1C8	AUX1C9	GND
14	AUX1C1	AUX1C2	AUX1C3	AUX1C4	GND	AUX1CCK
15	AUX2Y6	AUX2Y7	AUX2Y8	AUX2Y9	AUX1C0	GND
16	AUX2Y2	AUX2Y3	AUX2Y4	AUX2Y5	GND	AUX2YCK
17	GND	GND	GND	AUX2Y0	AUX2Y1	GND
18	GND	GND	GND	GND	GND	GND
19	AUX2C6	AUX2C7	AUX2C8	AUX2C9	GND	GND
20	AUX2C2	AUX2C3	AUX2C4	AUX2C5	GND	AUX2CCK
21	AUX3Y7	AUX3Y8	AUX3Y9	AUX3C0	AUX2C1	GND
22	AUX3Y3	AUX3Y4	AUX3Y5	AUX3Y6	GND	AUX3YCK
23	GND	GND	AUX3Y0	AUX3Y1	AUX3Y2	GND
24	GND	GND	GND	GND	GND	GND
25	AUX3C7	AUX3C8	AUX3C9	GND	GND	GND
26	AUX3C3	AUX3C4	AUX3C5	AUX3C6	GND	AUX3CCK
27	AUX4Y8	AUX4Y9	AUX3C0	AUX3C1	AUX3C2	GND
28	AUX4Y4	AUX4Y5	AUX4Y6	AUX4Y7	GND	AUX4YCK
29	GND	AUX4Y0	AUX4Y1	AUX4Y2	AUX4Y3	GND
30	GND	GND	GND	GND	GND	GND
31	AUX4C8	AUX4C9	GND	GND	GND	GND
32	AUX4C4	AUX4C5	AUX4C6	AUX4C7	GND	AUX4CCK
33	AUX5Y9	AUX4C0	AUX4C1	AUX4C2	AUX4C3	GND
34	AUX5Y5	AUX5Y6	AUX5Y7	AUX5Y8	GND	AUX5YCK
35	AUX5Y0	AUX5Y1	AUX5Y2	AUX5Y3	AUX5Y4	GND
36	GND	GND	GND	GND	GND	GND
37	AUX5C9	GND	GND	GND	GND	GND
38	AUX5C5	AUX5C6	AUX5C7	AUX5C8	GND	AUX5CCK
39	AUX5C0	AUX5C1	AUX5C2	AUX5C3	AUX5C4	GND
40	GND	GND	GND	GND	GND	GND
41	37CK14P	37CK14N	GND	FWCK14P	FWCK14N	GND

CN201

1	P12V
2	FANERR
3	GND
4	P5VA

R1 10k

CN202

1	P12V
2	FANERR
3	GND
4	P5VA

CN203

1	P12V
2	FANERR
3	GND
4	P5VA

CN204

1	P12V
2	FANERR
3	GND
4	P5VA

CN103

4	P5VC	3	P5VC	2	P5VC	1	P5VCS+
8	P5VC	7	P5VC	6	P5VC	5	P5VCS-
12	P5VAS+	11	P5VA	10	P5VA	9	P5VA
16	P5VA	15	P5VA	14	P5VA	13	P5VA
20	P5VA	19	P5VA	18	P5VA	17	P5VA
24	P5VA	23	P5VA	22	P5VA	21	P5VA
28	P5VA	27	P5VA	26	P5VA	25	P5VA
32	P5VA	31	P5VA	30	GND	29	GND
36	P5VAS-	35	GND	34	GND	33	GND
40	GND	39	GND	38	GND	37	GND
44	GND	43	GND	42	GND	41	GND
48	GND	47	GND	46	GND	45	GND
52	GND	51	GND	50	GND	49	GND
56	DCERRS	55	ACERRS	54		53	

CN104

4	N5VS-	3	N5VS+	2	P3VS-	1	P3VS+
8	P3V	7	P3V	6	P3V	5	P3V
12	P3V	11	P3V	10	P3V	9	P3V
16	P3V	15	P3V	14	P3V	13	P3V
20	P3V	19	P3V	18	P3V	17	P3V
24	P3V	23	P3V	22	GND	21	GND
28	GND	27	GND	26	GND	25	GND
32	GND	31	GND	30	GND	29	GND
36	GND	35	GND	34	GND	33	GND
40	GND	39	GND	38	GND	37	GND
44	P12V	43	GND	42	GND	41	GND
48	P12V	47	GND	46	GND	45	GND
52	N5V	51	GND	50	GND	49	GND
56	P12VS-	55	P12VS+	54	N5V	53	GND

CN205

1	P5VA
2	GND

CNZ16

	A	B	C	D	E	F
1	GND	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND	GND
5	GND	GND	GND	GND	GND	GND
6	GND	GND	GND	GND	GND	GND
7	AUX6Y5	AUX6Y6	AUX6Y7	AUX6Y8	AUX6Y9	GND
8	AUX6Y1	AUX6Y2	AUX6Y3	AUX6Y4	GND	AUX6YCK
9	GND	GND	GND	GND	AUX6Y0	GND
10	GND	GND	GND	GND	GND	GND
11	AUX6C5	AUX6C6	AUX6C7	AUX6C8	AUX6C9	GND
12	AUX6C1	AUX6C2	AUX6C3	AUX6C4	GND	AUX6CCK
13	AUX7Y6	AUX7Y7	AUX7Y8	AUX7Y9	AUX6C0	GND
14	AUX7Y2	AUX7Y3	AUX7Y4	AUX7Y5	GND	AUX7YCK
15	GND	GND	GND	AUX7Y0	AUX7Y1	GND
16	GND	GND	GND	GND	GND	GND
17	AUX7C6	AUX7C7	AUX7C8	AUX7C9	GND	GND
18	AUX7C2	AUX7C3	AUX7C4	AUX7C5	GND	AUX7CCK
19	AUX8Y7	AUX8Y8	AUX8Y9	AUX7C0	AUX7C1	GND
20	AUX8Y3	AUX8Y4	AUX8Y5	AUX8Y6	GND	AUX8YCK
21	GND	GND	AUX8Y0	AUX8Y1	AUX8Y2	GND
22	GND	GND	GND	GND	GND	GND
23	AUX8C7	AUX8C8	AUX8C9	GND	GND	GND
24	AUX8C3	AUX8C4	AUX8C5	AUX8C6	GND	AUX8CCK
25	AUX9Y8	AUX9Y9	AUX8C0	AUX8C1	AUX8C2	GND
26	AUX9Y4	AUX9Y5	AUX9Y6	AUX9Y7	GND	AUX9YCK
27	GND	AUX9Y0	AUX9Y1	AUX9Y2	AUX9Y3	GND
28	GND	GND	GND	GND	GND	GND
29	AUX9C8	AUX9C9	GND	GND	GND	GND
30	AUX9C4	AUX9C5	AUX9C6	AUX9C7	GND	AUX9CCK
31	AUX10Y9	AUX9C0	AUX9C1	AUX9C2	AUX9C3	GND
32	AUX10Y5	AUX10Y6	AUX10Y7	AUX10Y8	GND	AUX10YCK
33	AUX10Y0	AUX10Y1	AUX10Y2	AUX10Y3	AUX10Y4	GND
34	GND	GND	GND	GND	GND	GND
35	AUX10C9	GND	GND	GND	GND	GND
36	AUX10C5	AUX10C6	AUX10C7	AUX10C8	GND	AUX10CCK
37	AUX10C0	AUX10C1	AUX10C2	AUX10C3	AUX10C4	GND
38	GND	GND	GND	GND	GND	GND
39	SADDP	SADDN	SDWDP	SDWDN	RSTD	GND
40	SCKDP	SCKDN	SDRP	SDRN	GND	GND
41					CKX0	GND

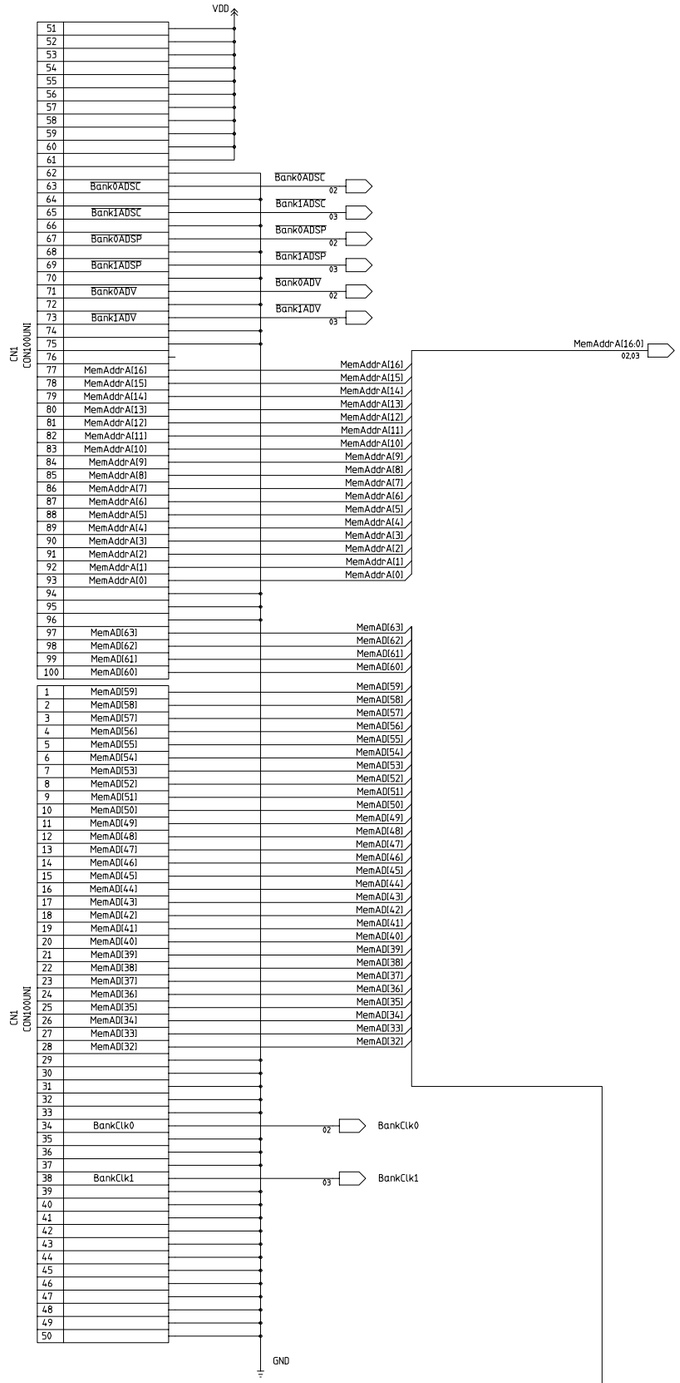
Motherboard
MB-494 (11/12)
BOARD NO. 1-646-568-11

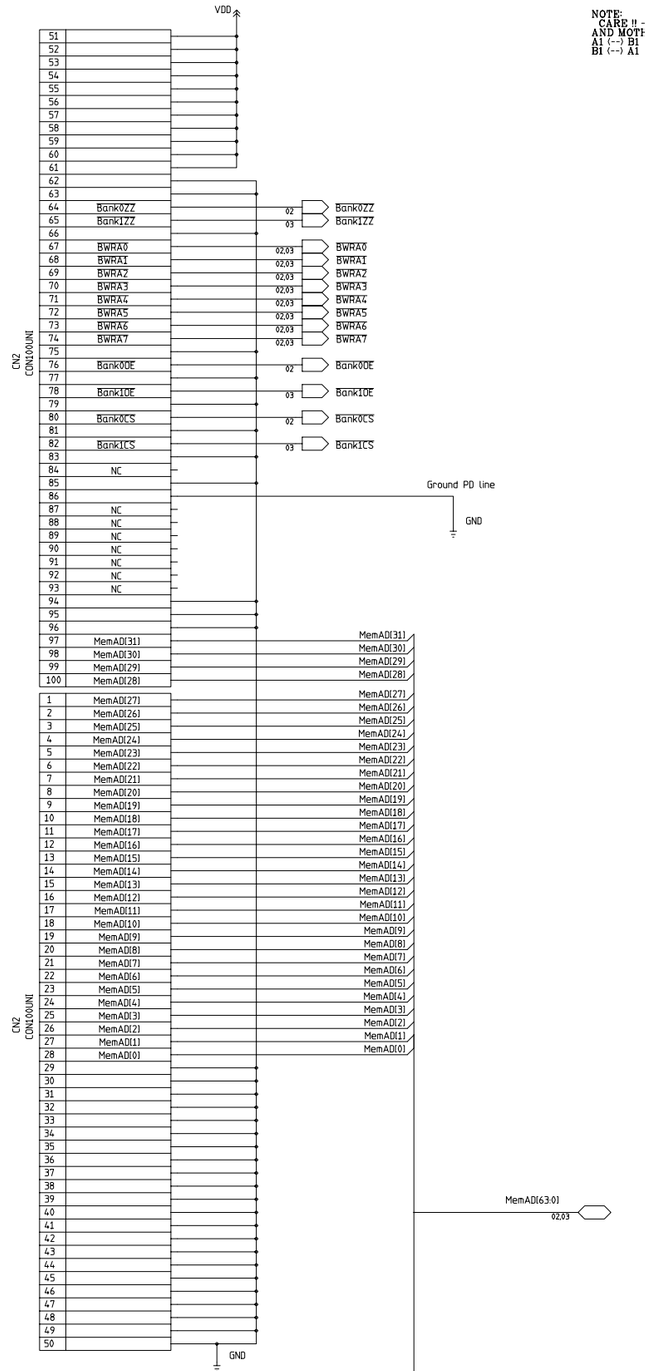
HDS-7000

Motherboard
MB-494 (12/12)
BOARD NO. 1-646-568-11

HDS-7000

MEM-87 (1/3)





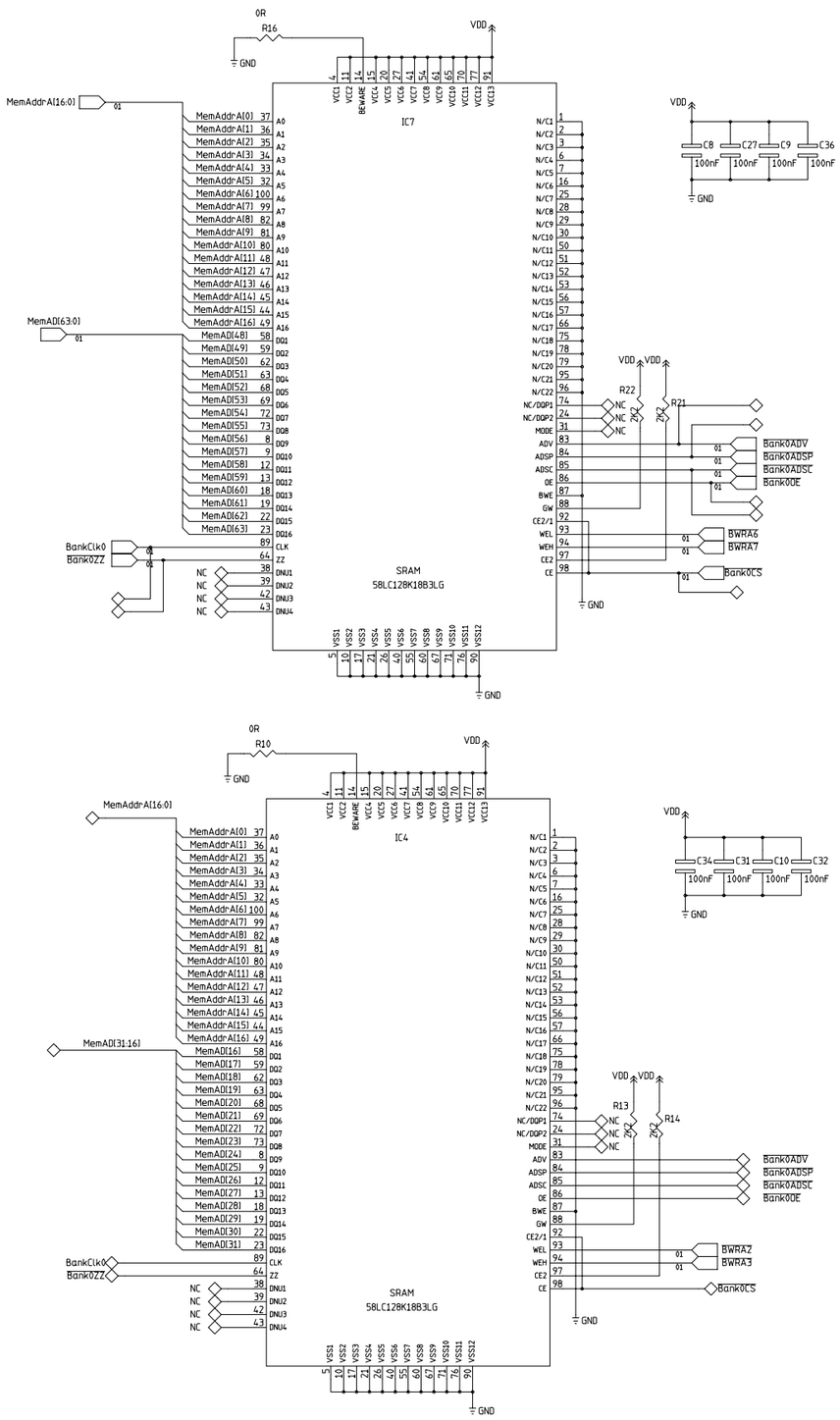
NOTE:
CARE !! - MATING DAUGHTER CONNECTOR
AND MOTHER CONNECTOR
A1 (--) B1 A50(--)B50
B1 (--) A1 B50(--)A50

Memory Board
MEM-87 (1/3)
BOARD NO. 1-668-558-11

HDS-7000

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HDS-7000

MEM-87 (2/3)



HDS-7000

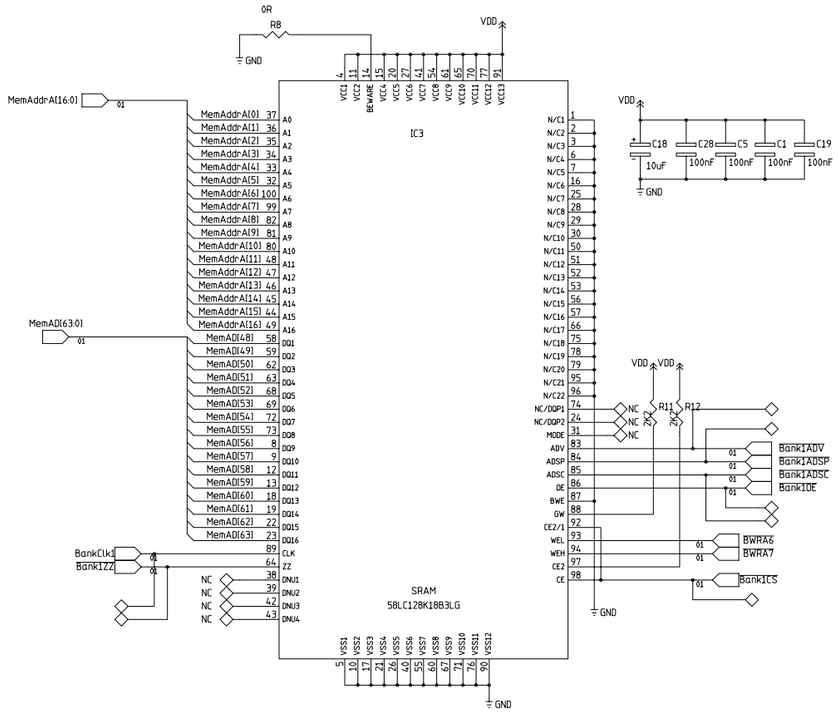
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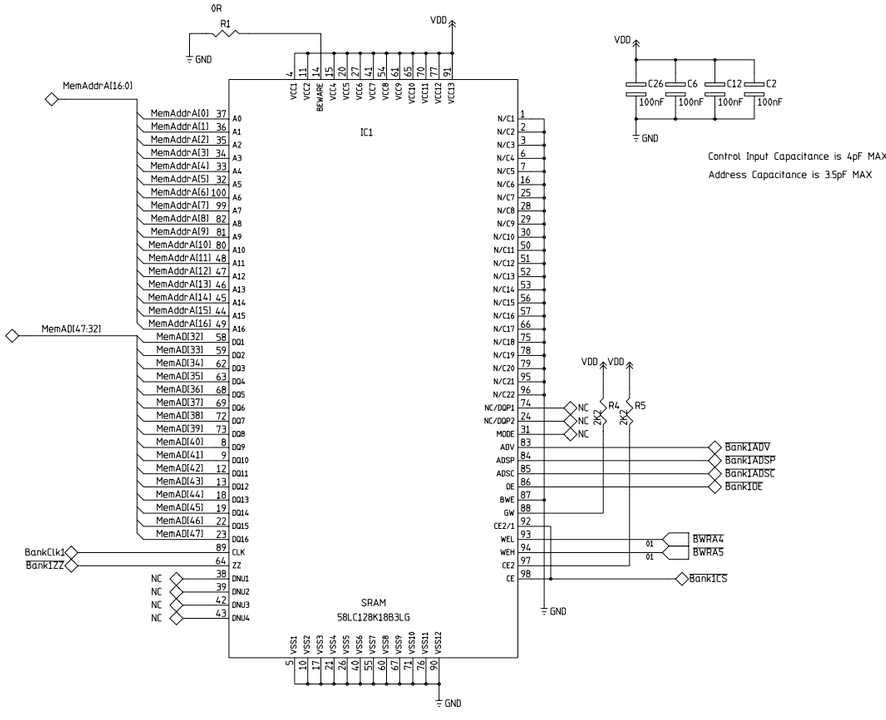
281

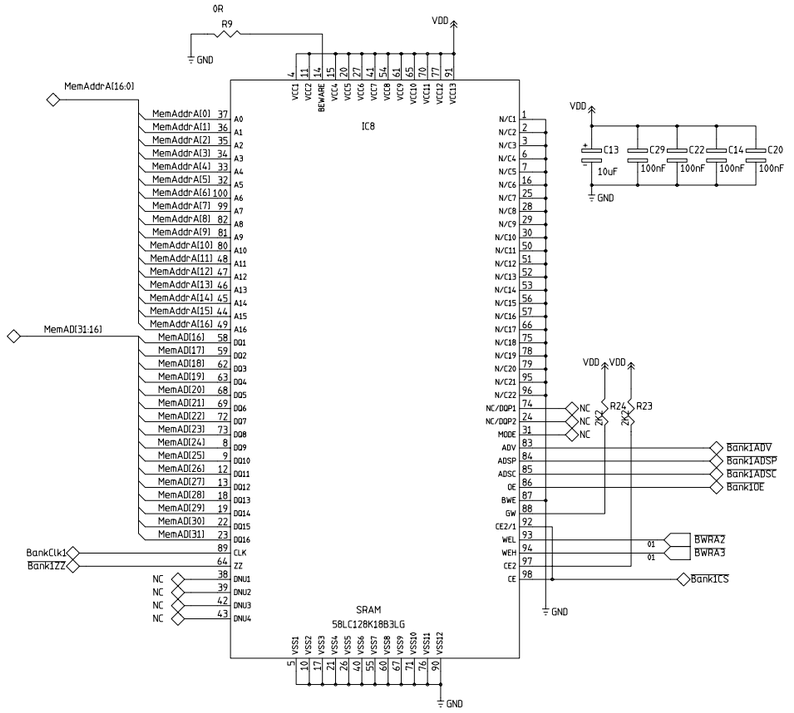
Memory Board
MEM-87 (2/3)
BOARD NO. 1-668-558-11

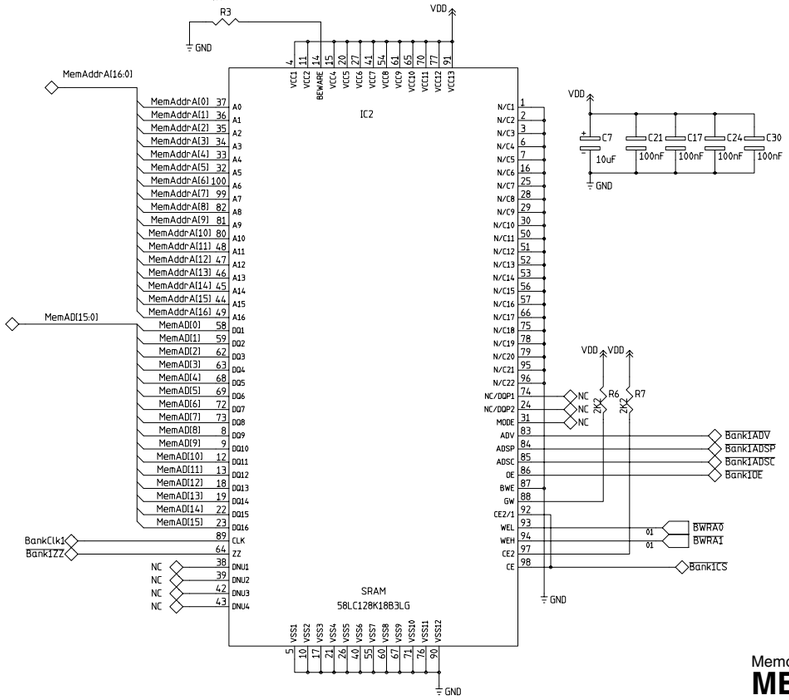
HDS-7000

MEM-87 (3/3)









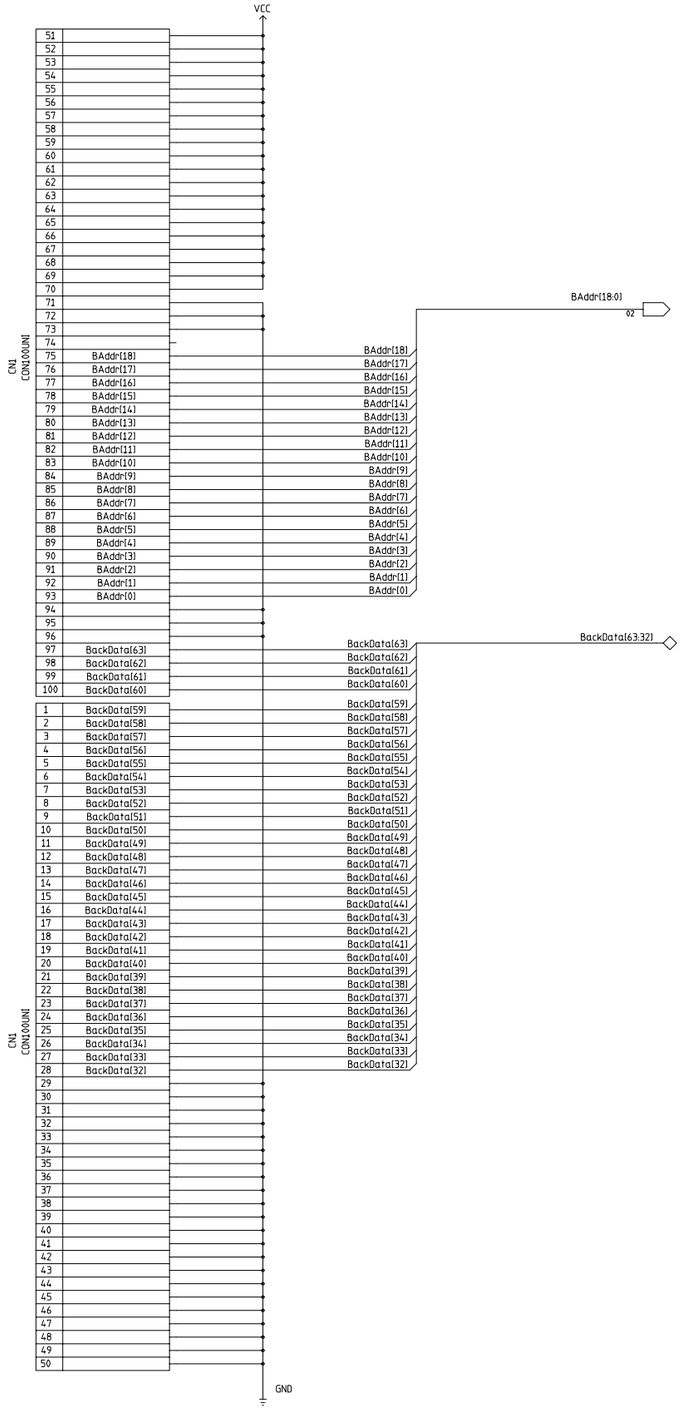
Memory Board
MEM-87 (3/3)
BOARD NO. 1-668-558-11

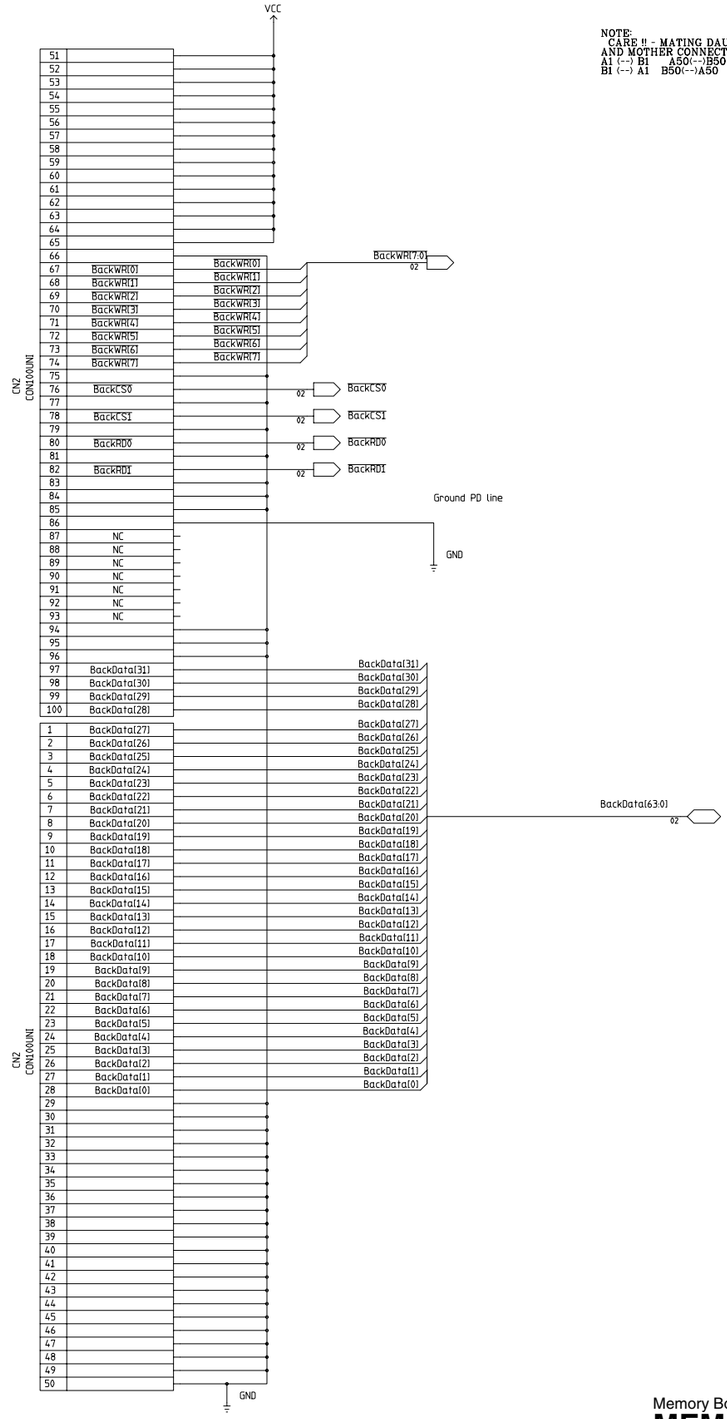
HDS-7000

HDS-7000

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MEM-92 (1/2)



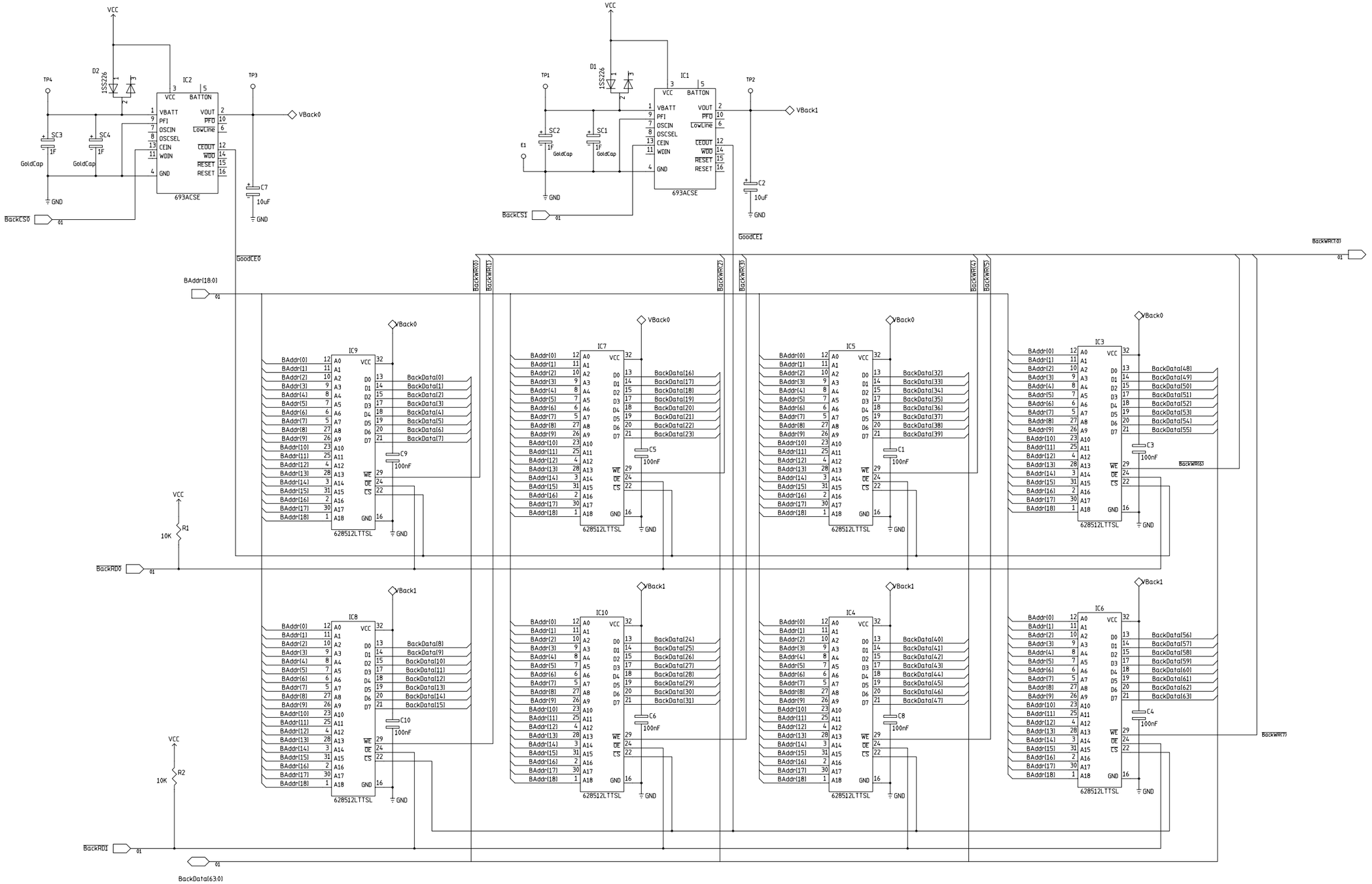


NOTE:
CARE !! - MATING DAUGHTER CONNECTOR
AND MOTHER CONNECTOR
A1 (--) B1 A50(--)B50
B1 (--) A1 B50(--)A50

Memory Board
MEM-92 (1/2)
BOARD NO. 1-668-559-11

HDS-7000

MEM-92 (2/2)

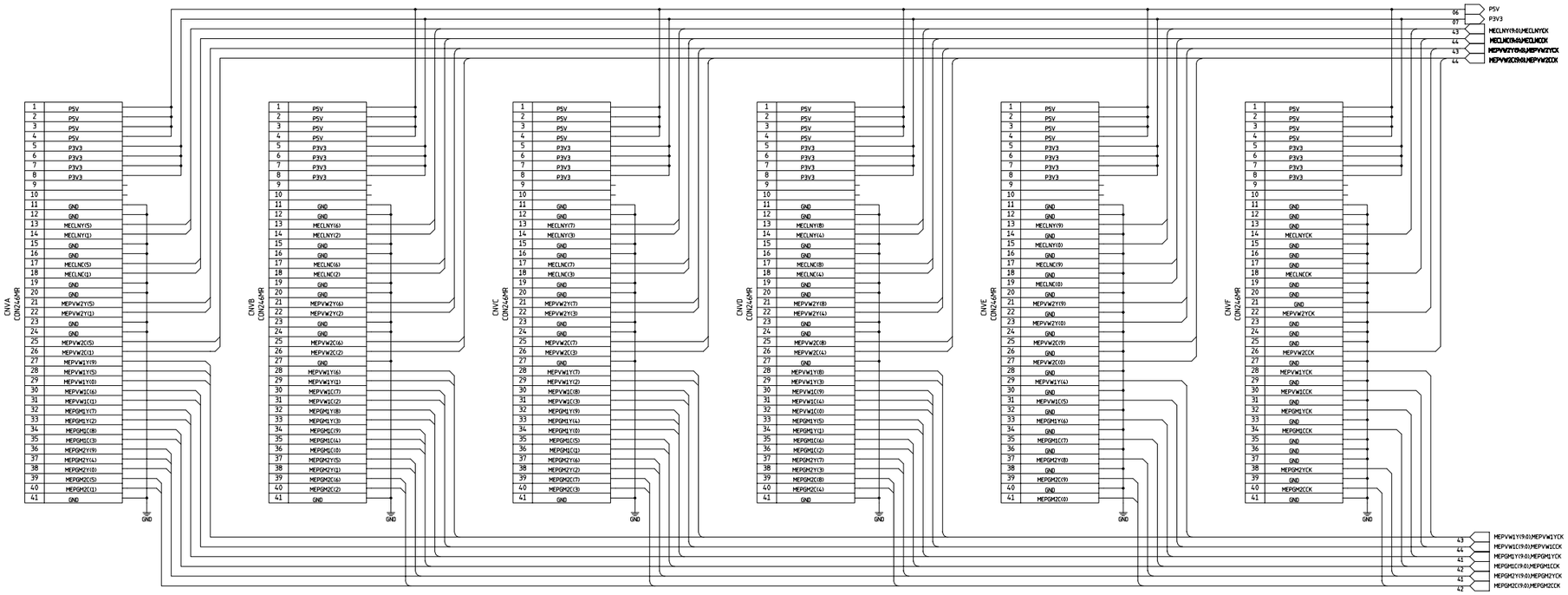


Memory Board
MEM-92 (2/2)
BOARD NO. 1-668-559-11

HDS-7000

284
HDS-7000

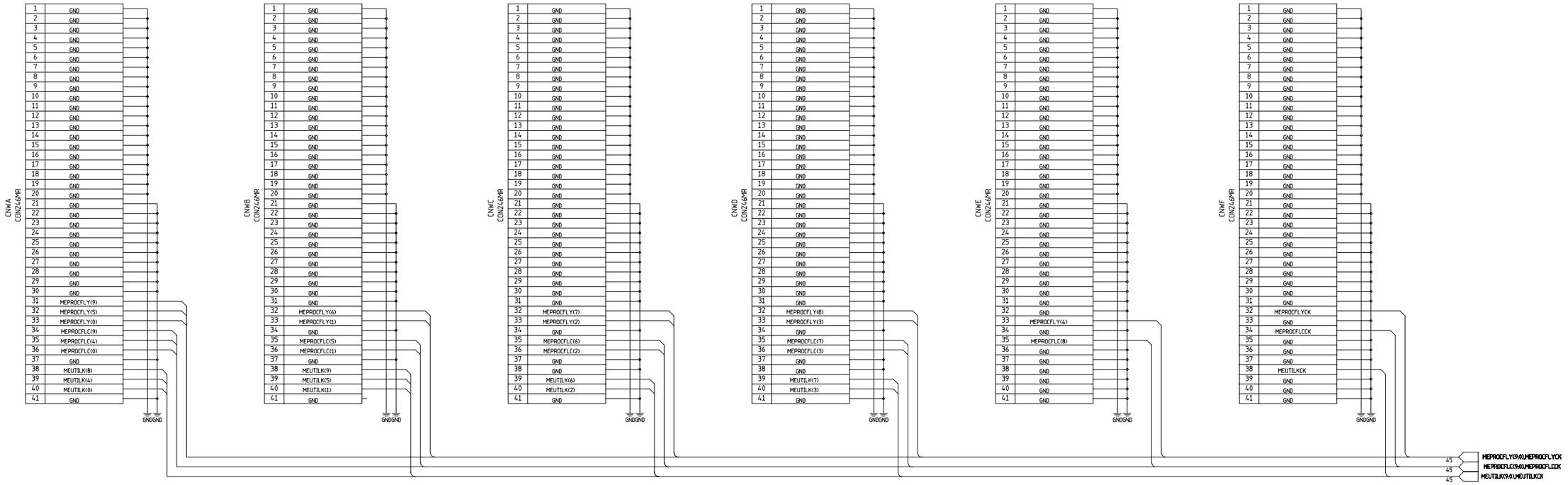
MIX-13 (1/56)



Mixer Board
MIX-13 (1/56)
BOARD NO. 1-645-283-12

HDS-7000

MIX-13 (2/56)

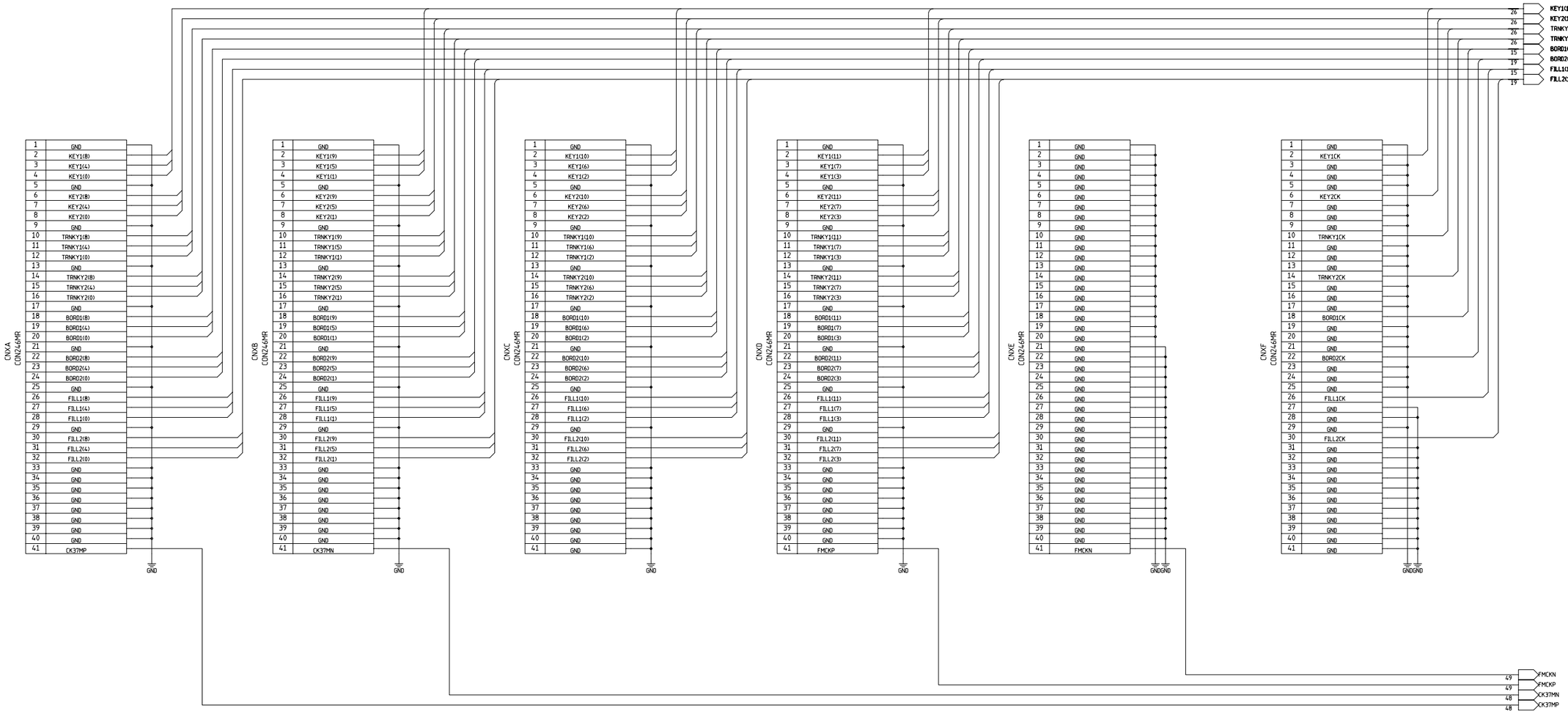


Mixer Board
MIX-13 (2/56)
BOARD NO. 1-645-283-12

HDS-7000

286
HDS-7000

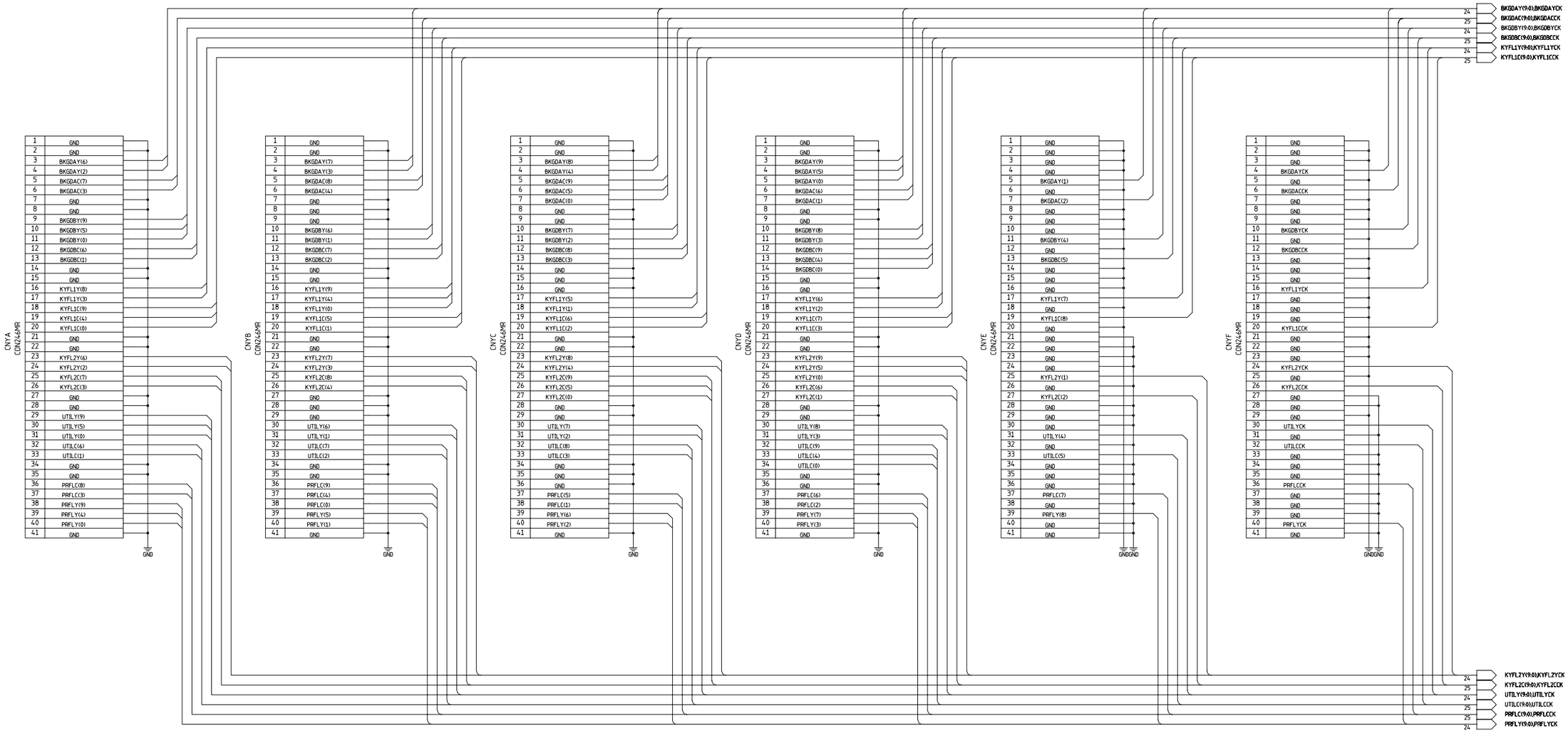
MIX-13 (3/56)



Mixer Board
MIX-13 (3/56)
BOARD NO. 1-645-283-12

HDS-7000

MIX-13 (4/56)

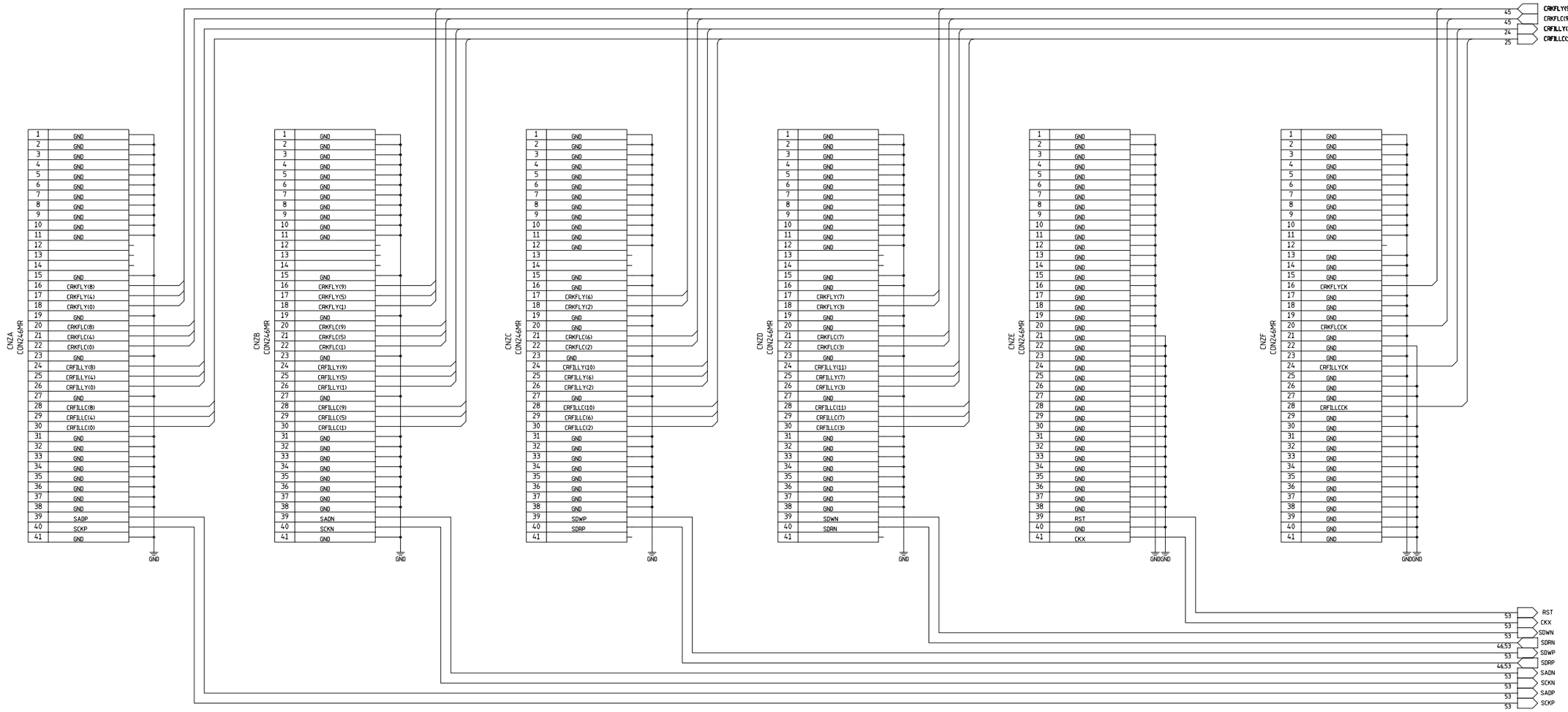


Mixer Board
MIX-13 (4/56)
BOARD NO. 1-645-283-12

HDS-7000

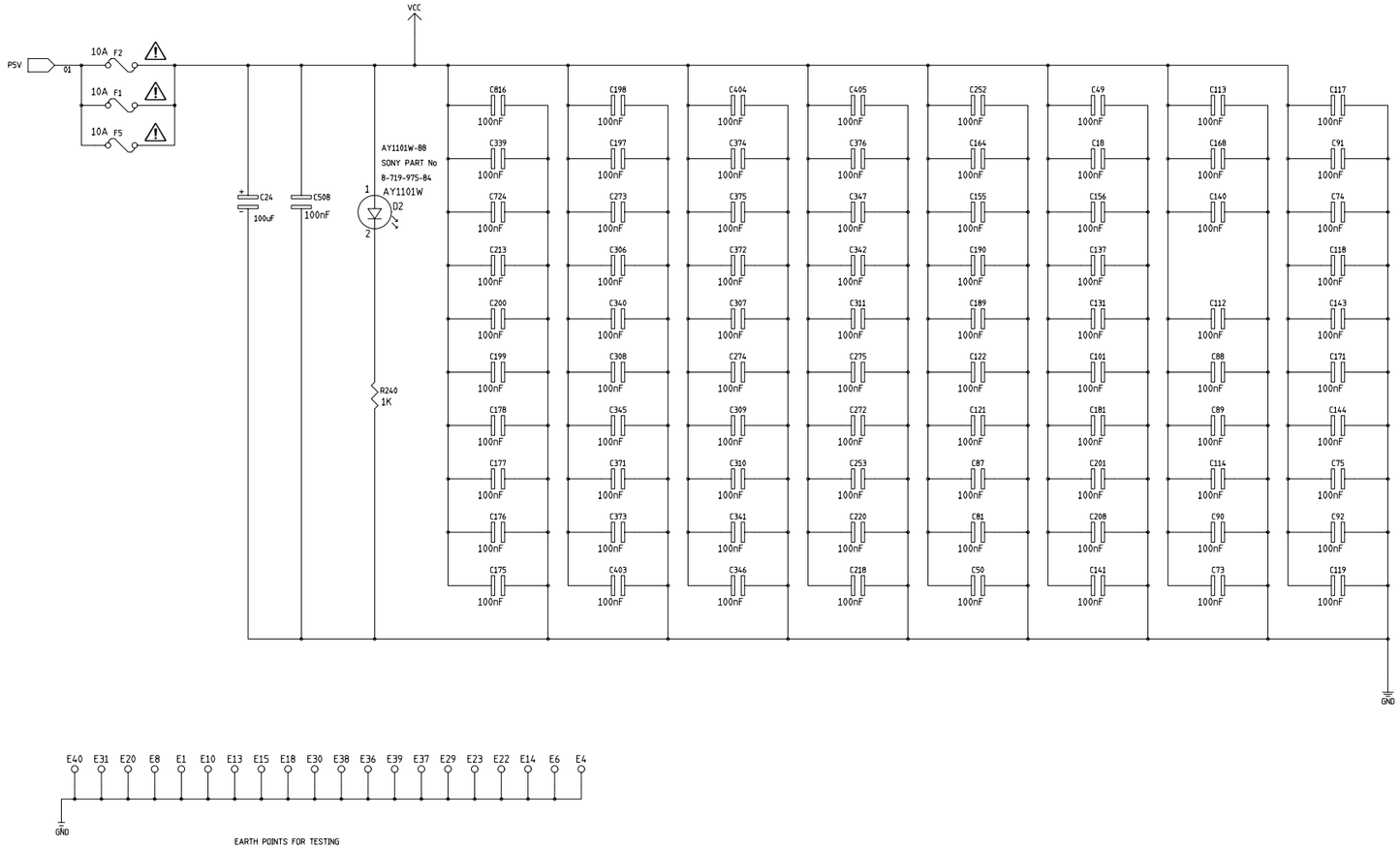
288

HDS-7000



Mixer Board
MIX-13 (5/56)
BOARD NO. 1-645-283-12

MIX-13 (6/56)

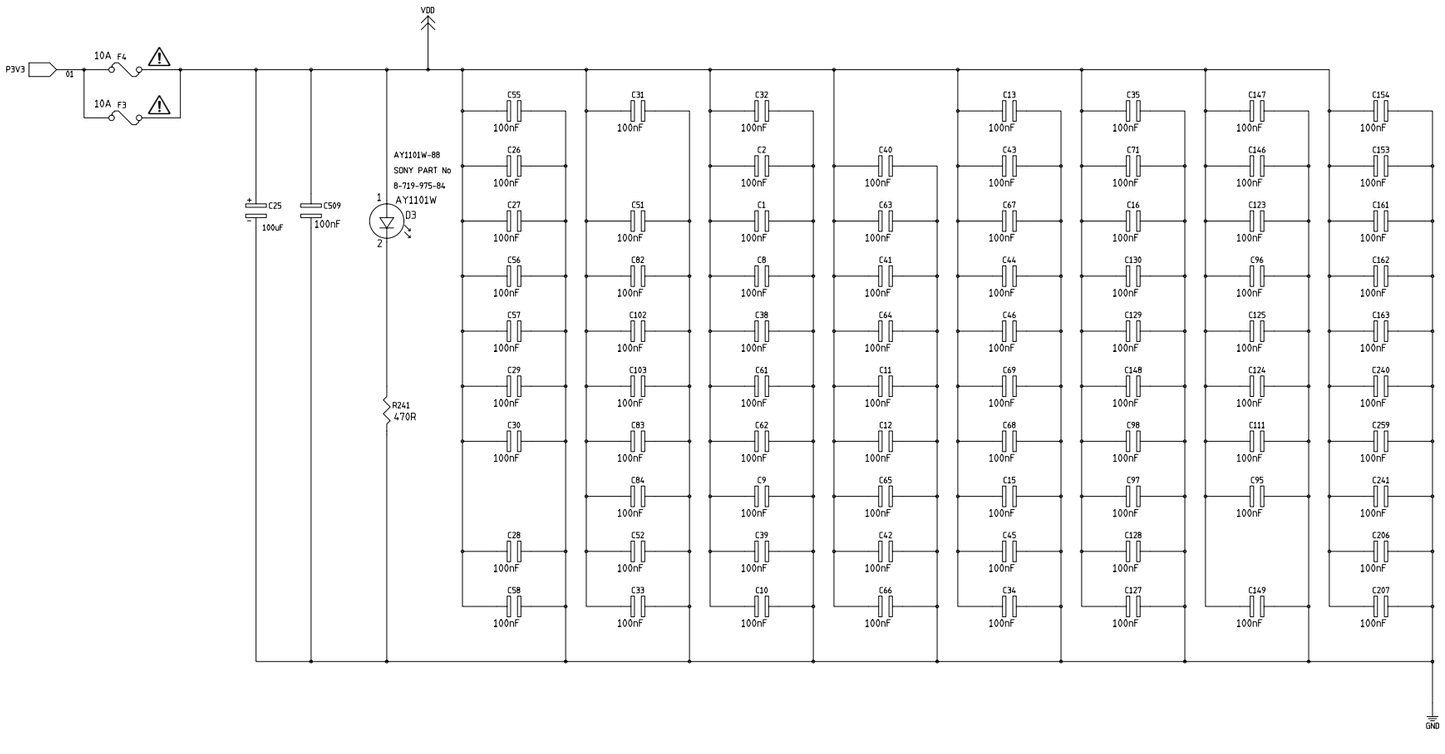


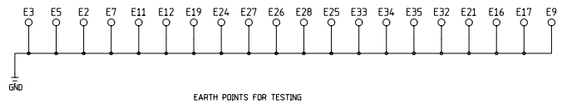
Mixer Board
MIX-13 (6/56)
BOARD NO. 1-645-283-12

HDS-7000

HDS-7000

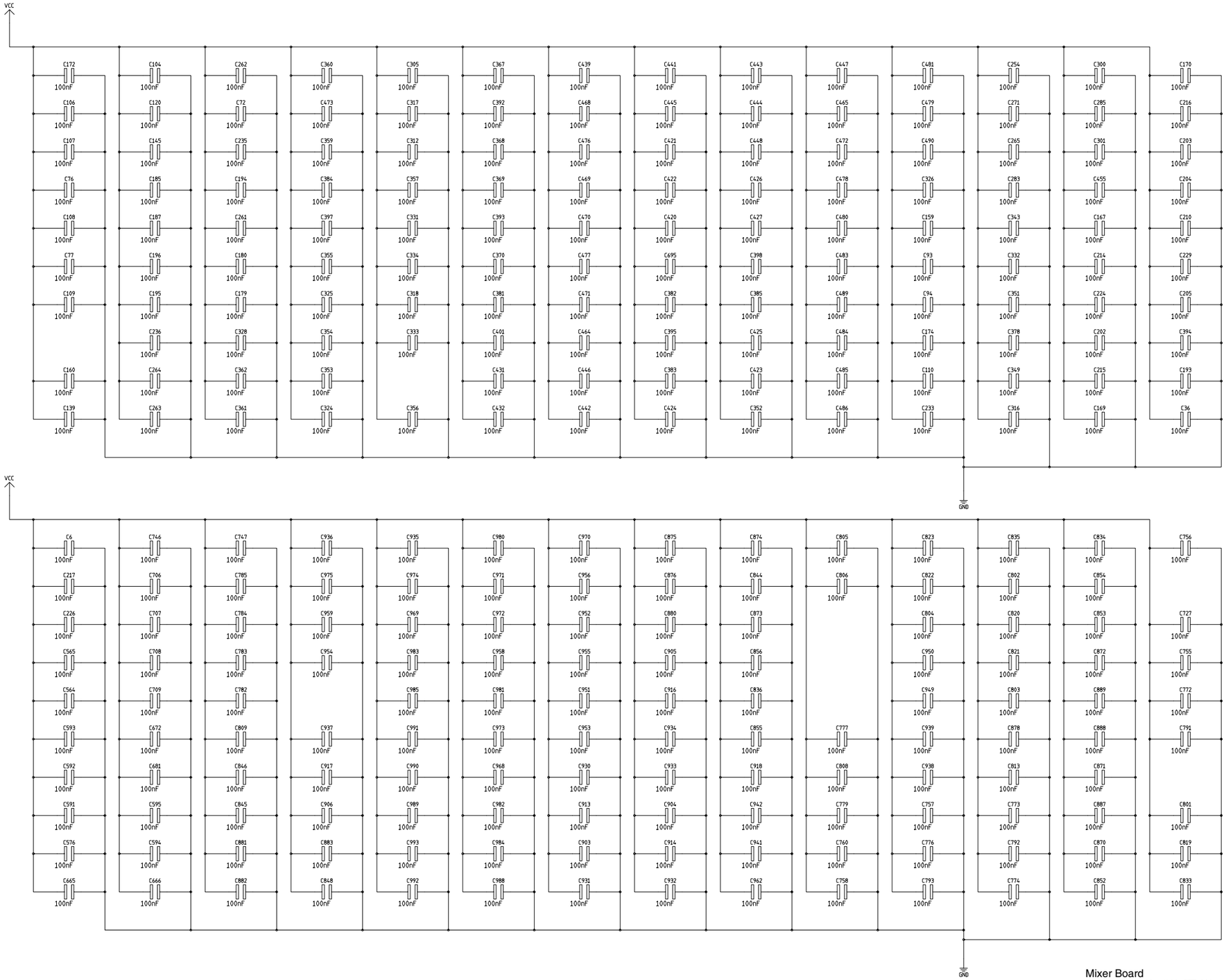
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Mixer Board
MIX-13 (7/56)
BOARD NO. 1-645-283-12

MIX-13 (8/56)

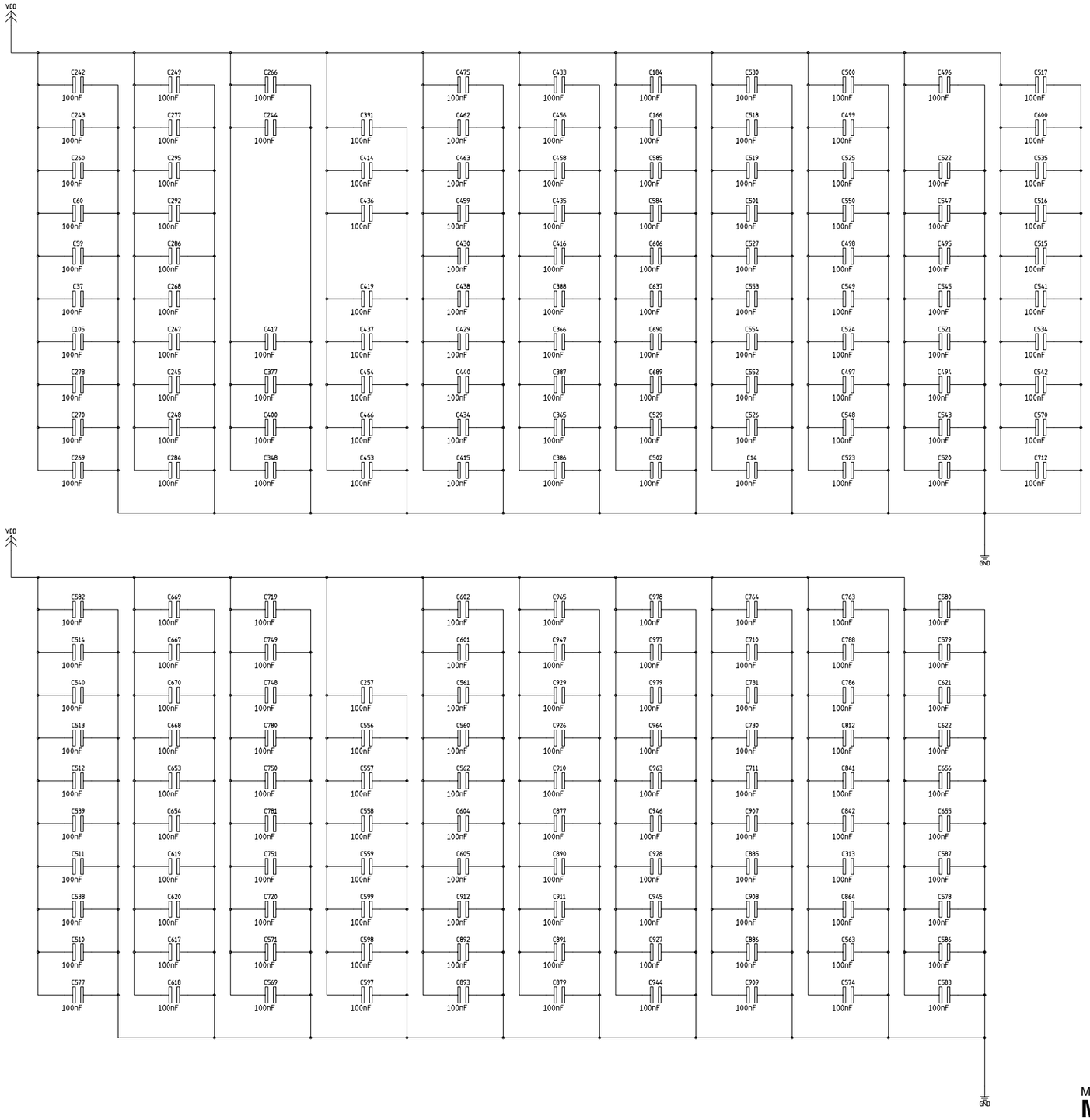


Mixer Board
MIX-13 (8/56)
BOARD NO. 1-645-283-12

HDS-7000

292

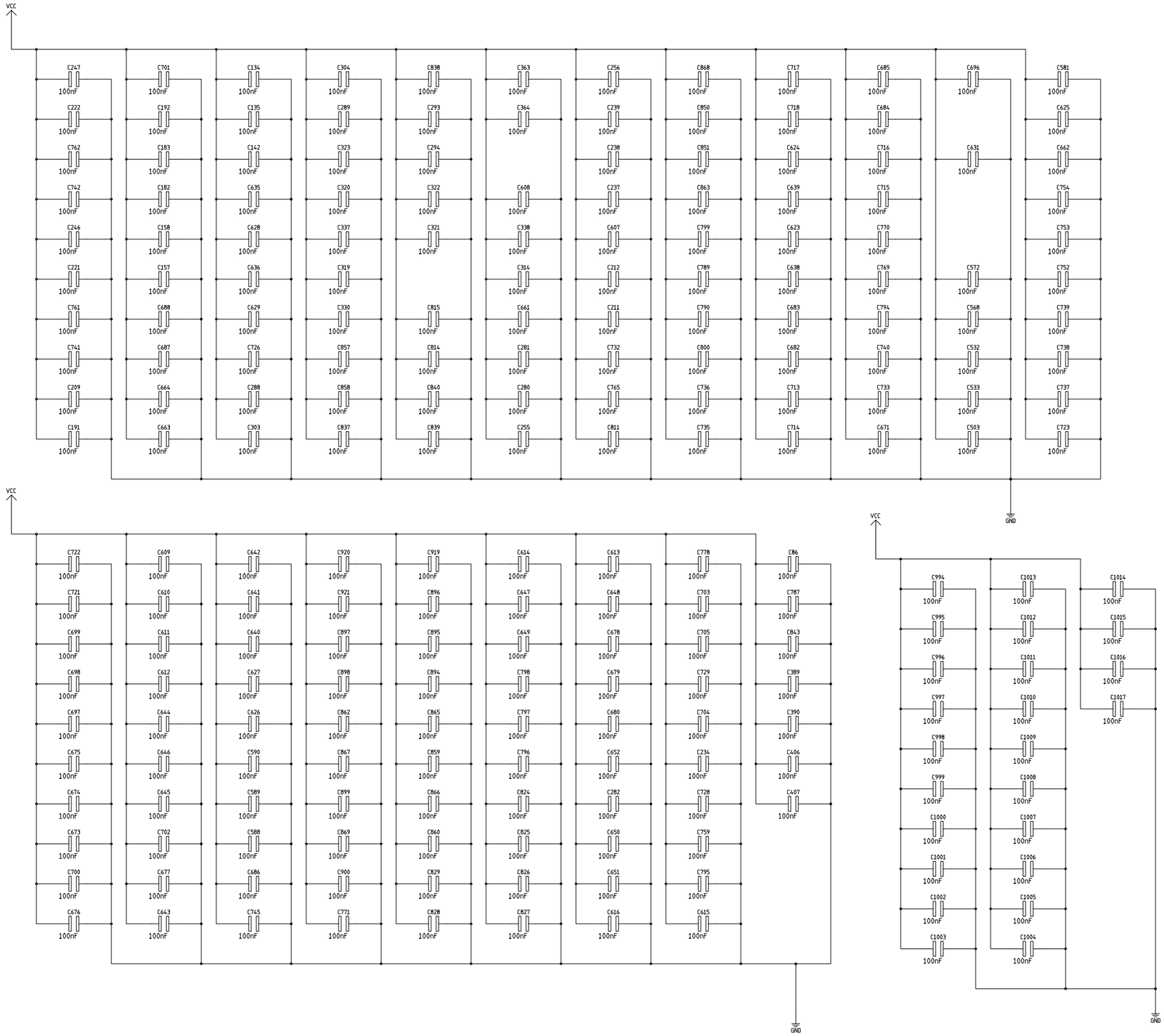
HDS-7000



Mixer Board
MIX-13 (9/56)
BOARD NO. 1-645-283-12

HDS-7000

MIX-13 (10/56)



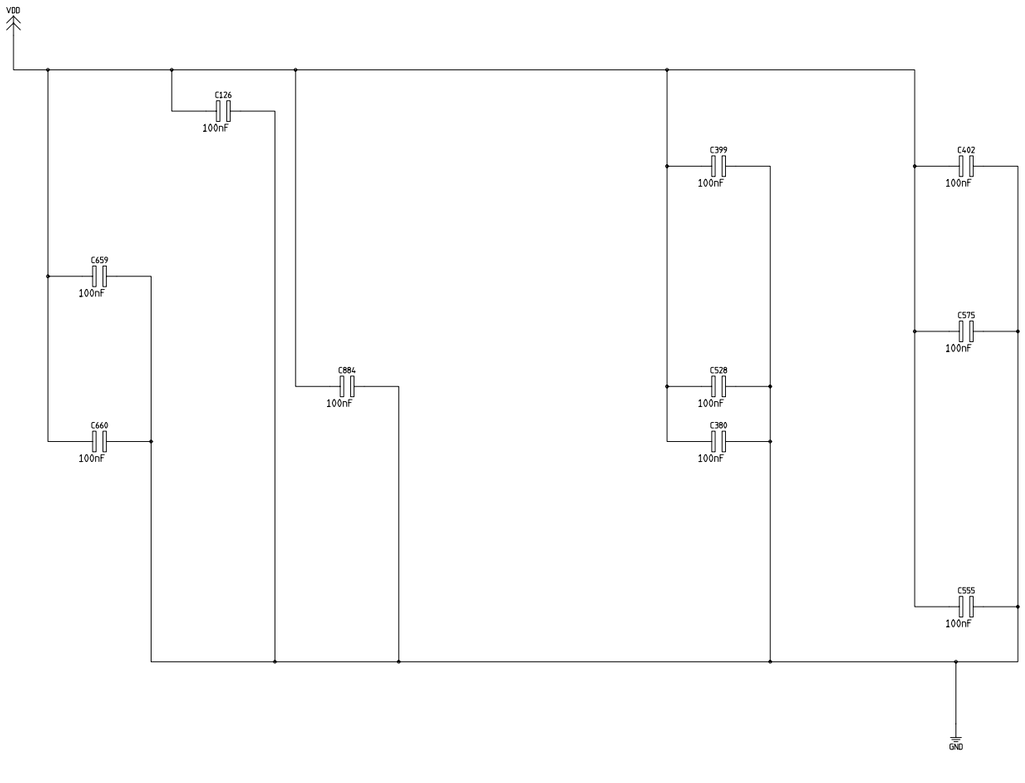
Mixer Board
MIX-13 (10/56)
BOARD NO. 1-645-283-12

HDS-7000

294

HDS-7000

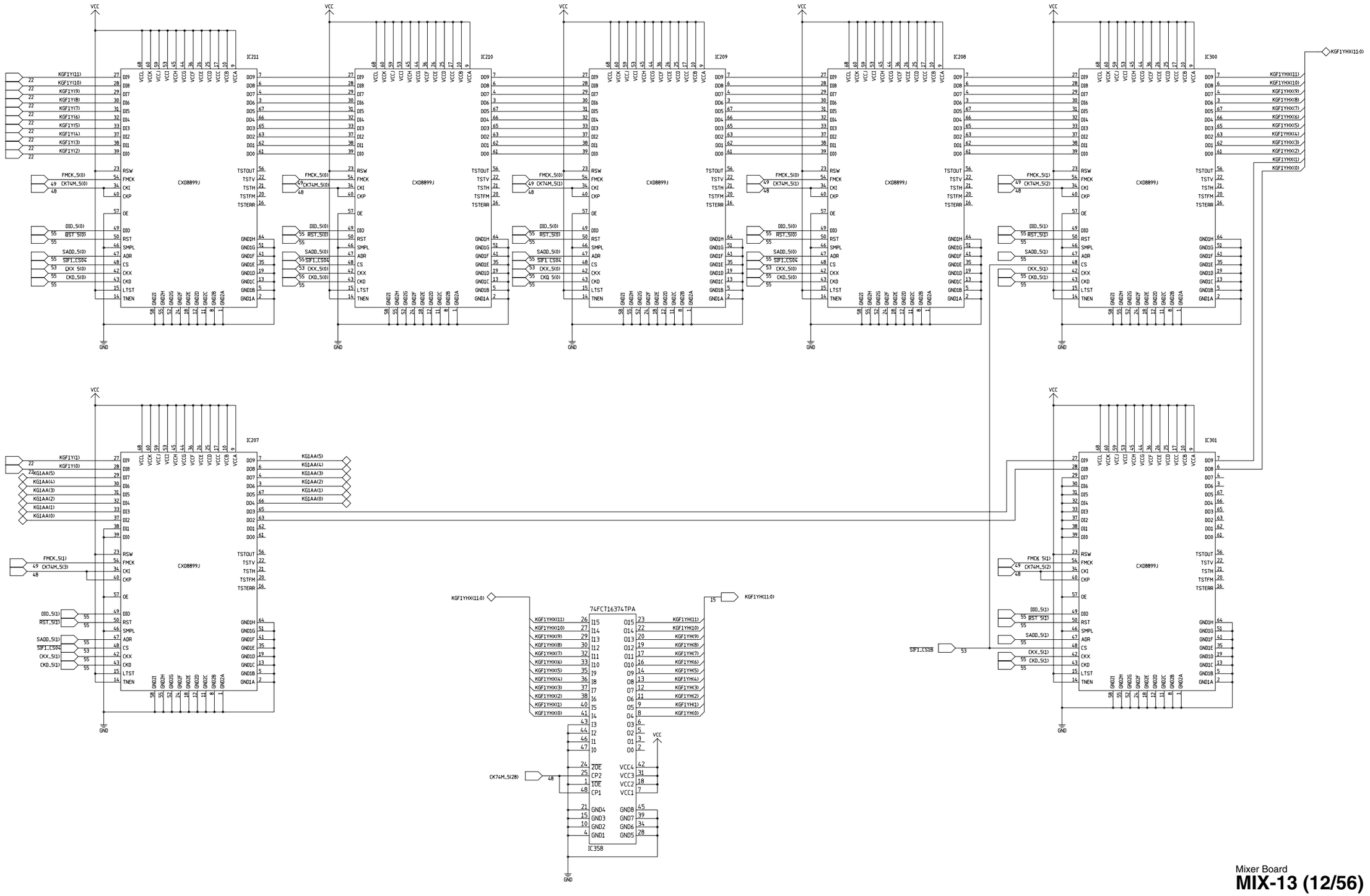
MIX-13 (11/56)



Mixer Board
MIX-13 (11/56)
BOARD NO. 1-645-283-12

HDS-7000

MIX-13 (12/56)



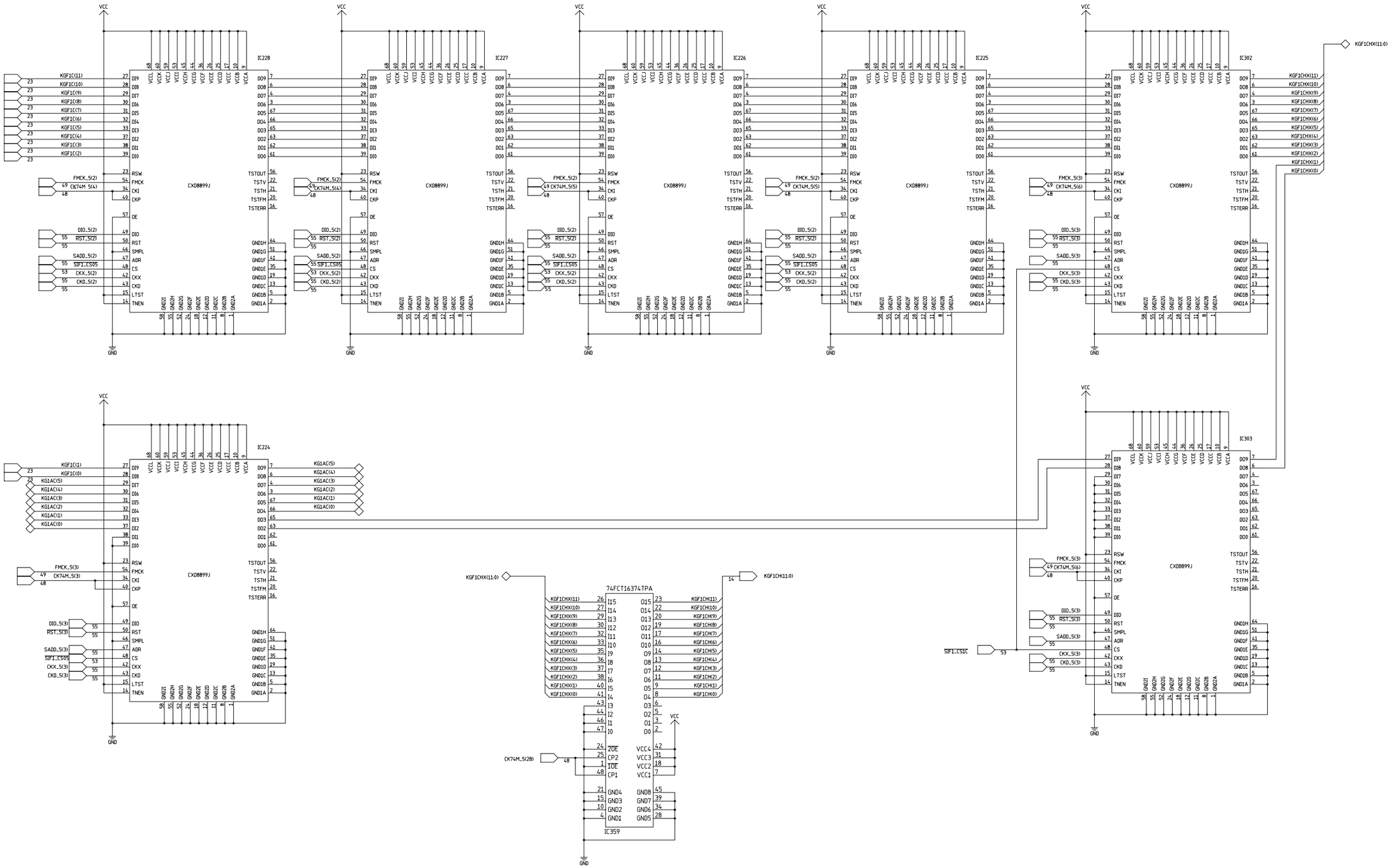
Mixer Board
MIX-13 (12/56)
BOARD NO. 1-645-283-12

HDS-7000

296

HDS-7000

MIX-13 (13/56)

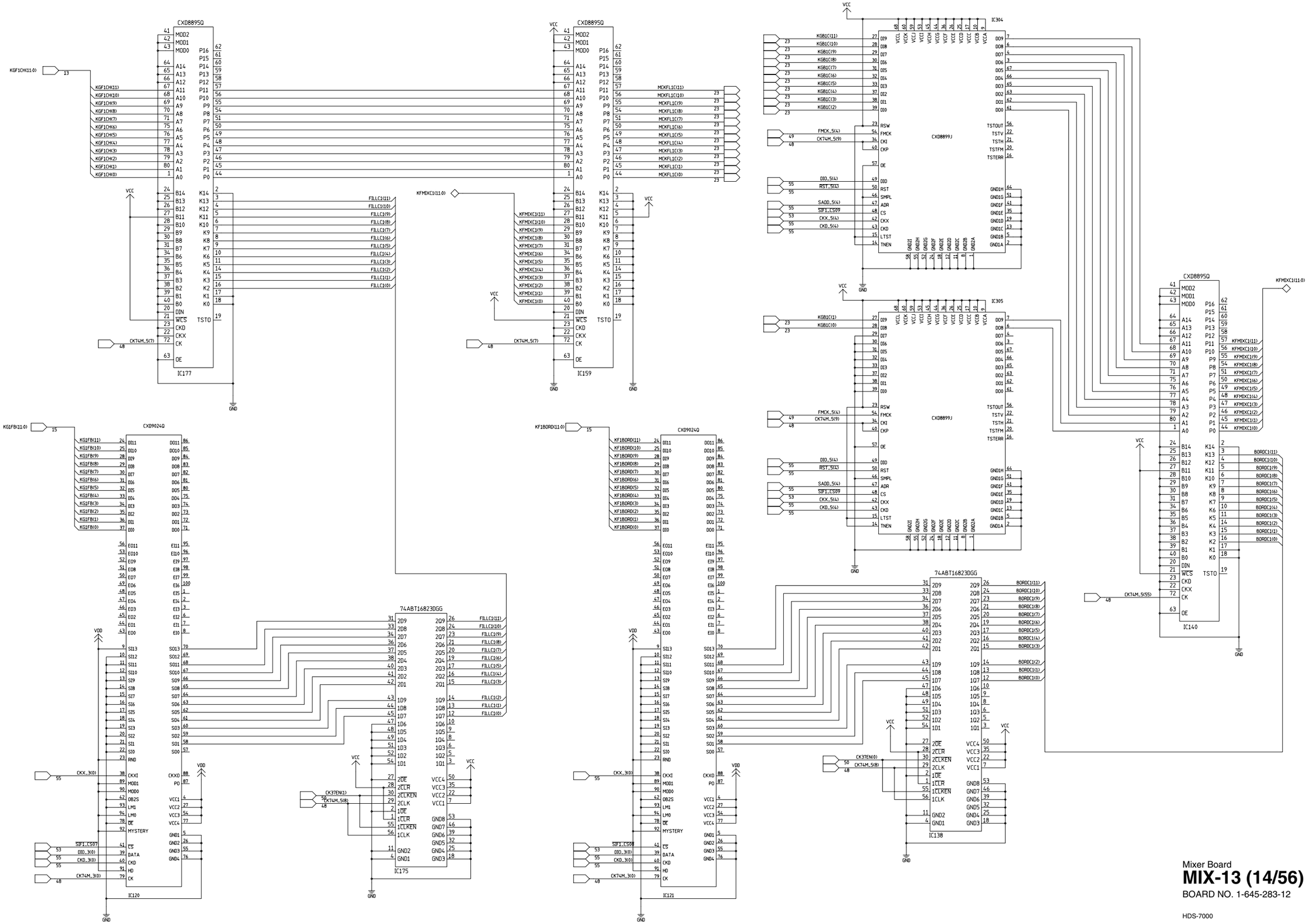


Mixer Board
MIX-13 (13/56)
BOARD NO. 1-645-283-12

HDS-7000

297
HDS-7000

MIX-13 (14/56)



Mixer Board

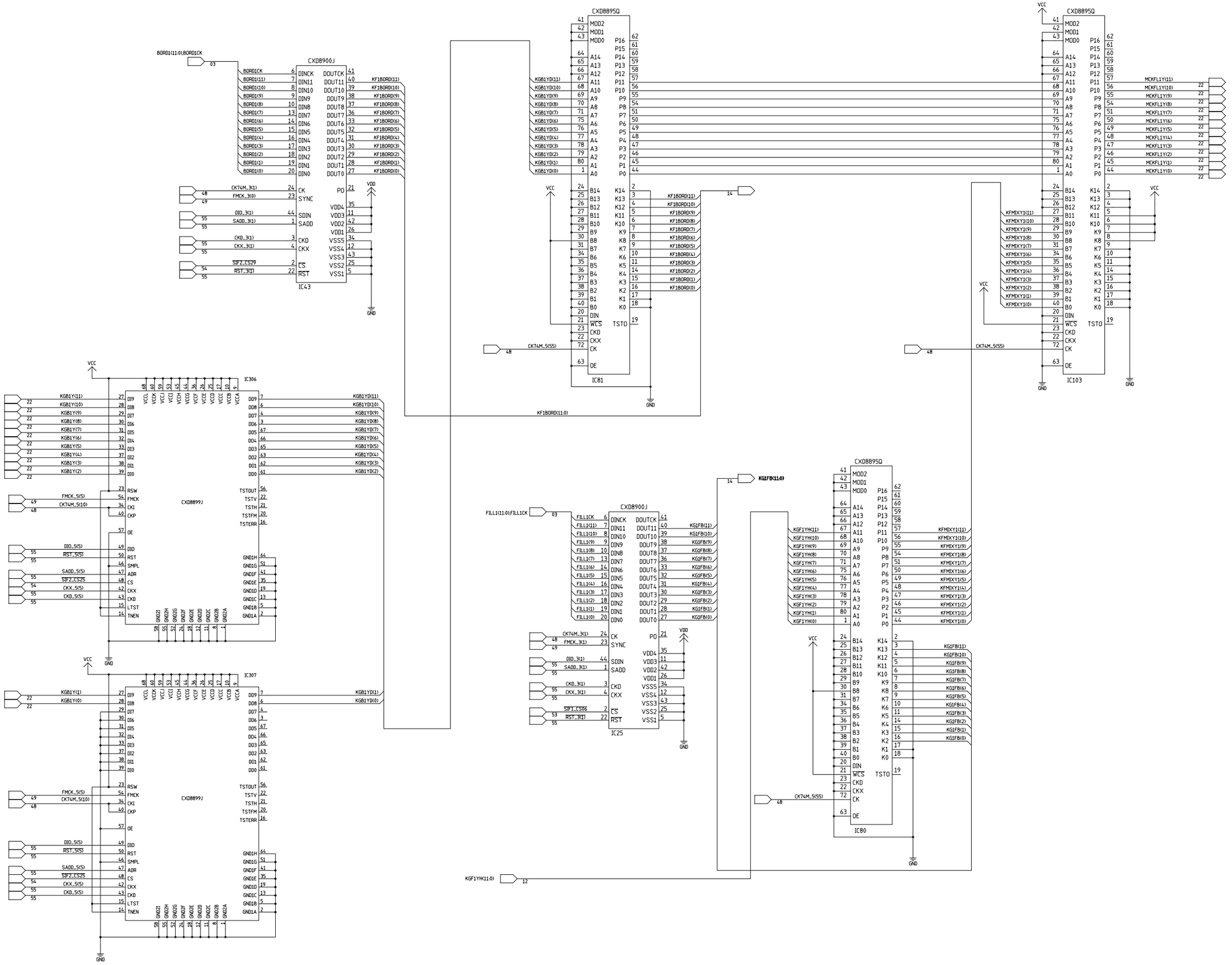
MIX-13 (14/56)

BOARD NO. 1-645-283-12

HDS-7000

298

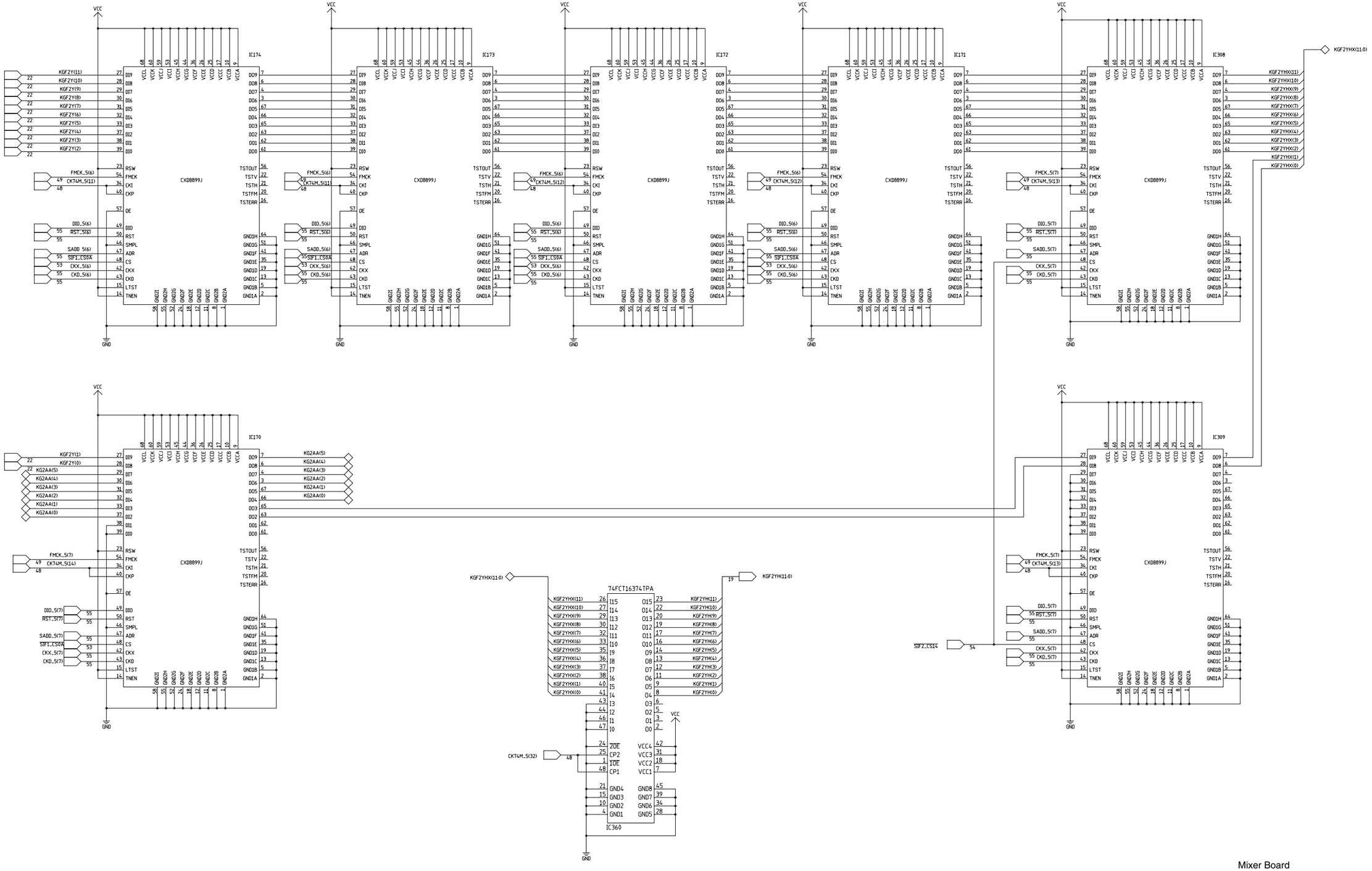
MIX-13 (15/56)



Mixer Board
MIX-13 (15/56)
BOARD NO. 1-645-283-12

HDS-7000

MIX-13 (16/56)



Mixer Board
MIX-13 (16/56)
BOARD NO. 1-645-283-12

HDS-7000

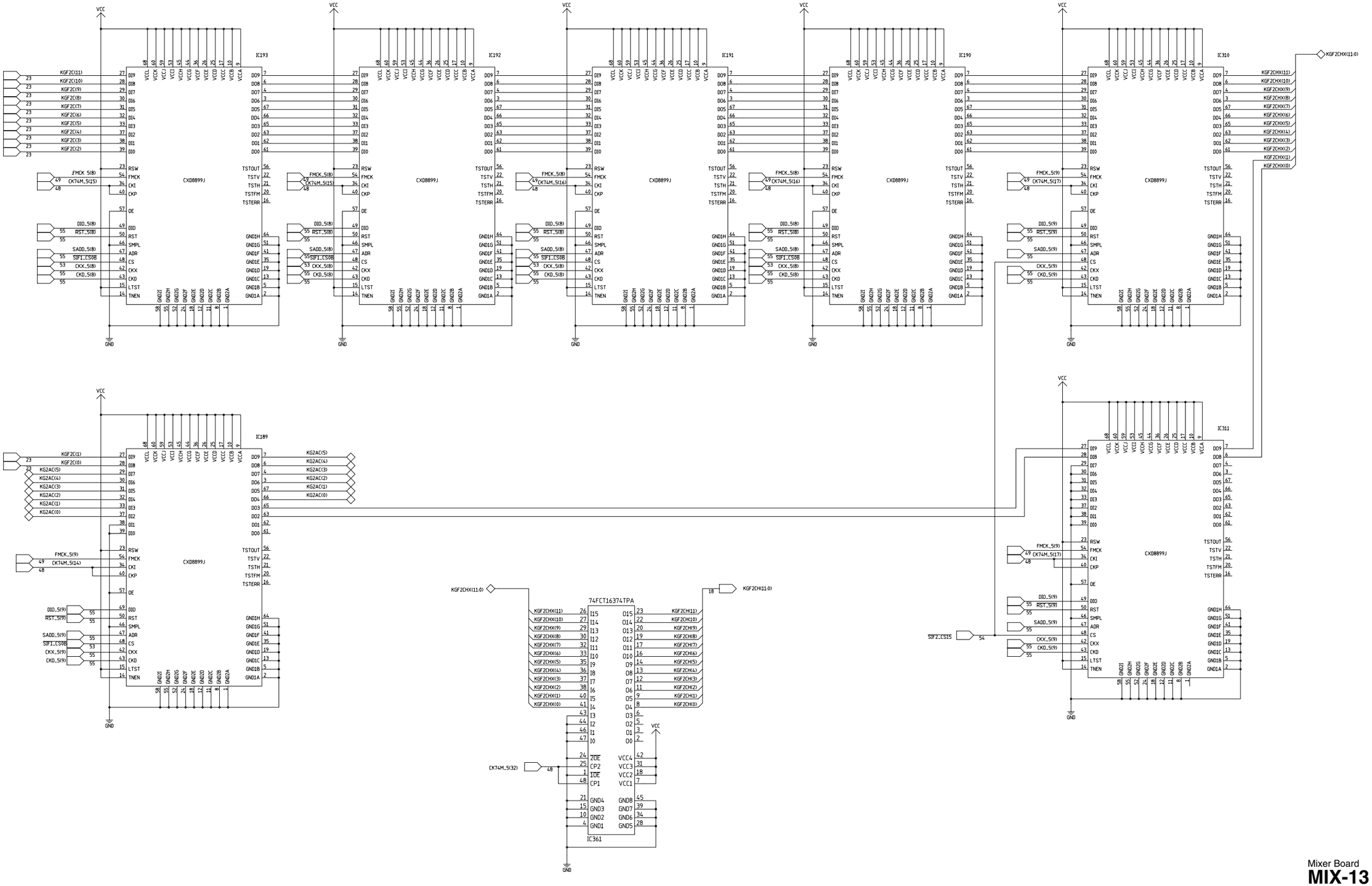
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300 300

A B C D E F G H

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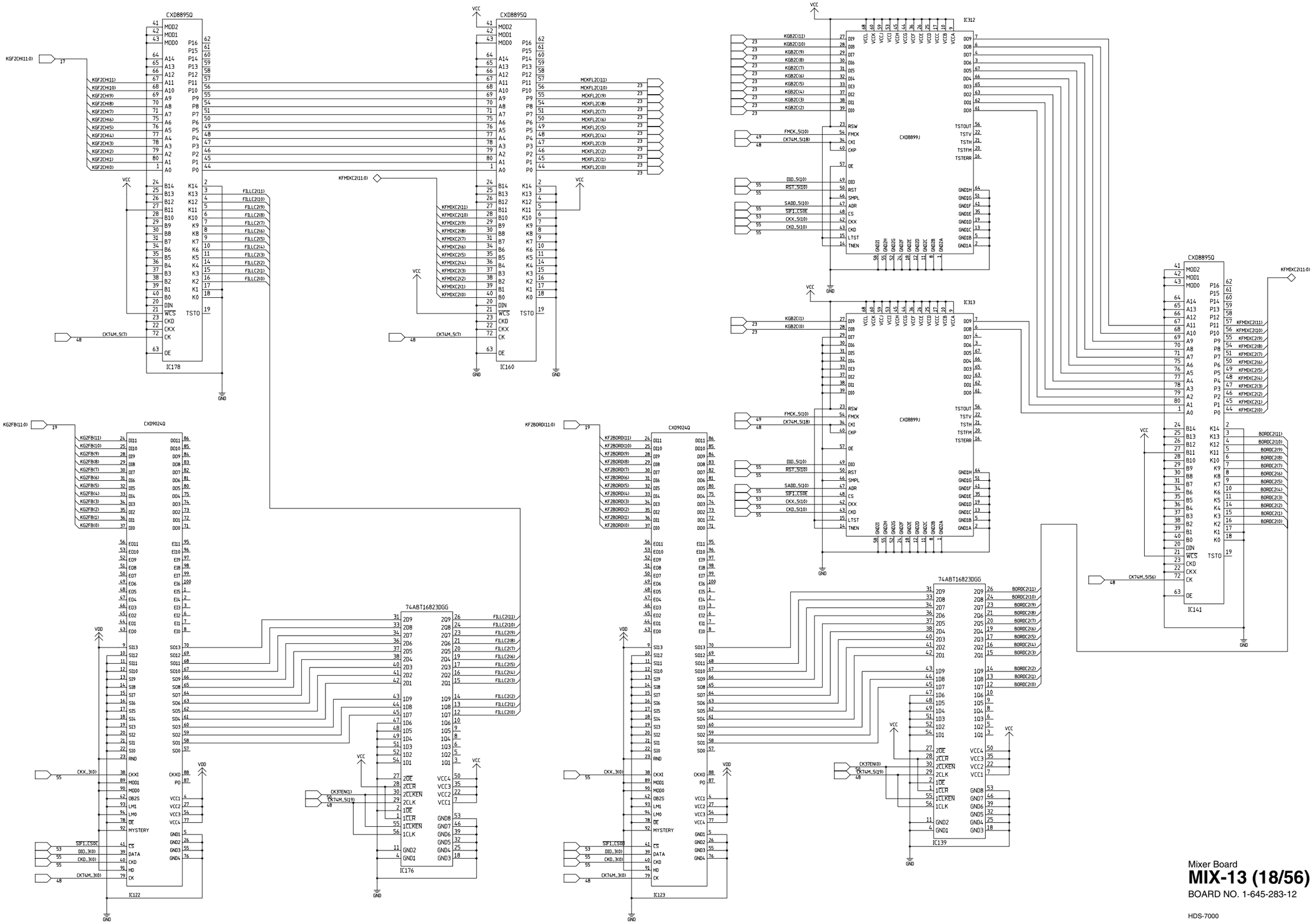
MIX-13 (17/56)



Mixer Board
MIX-13 (17/56)
BOARD NO. 1-645-283-12

HDS-7000

MIX-13 (18/56)



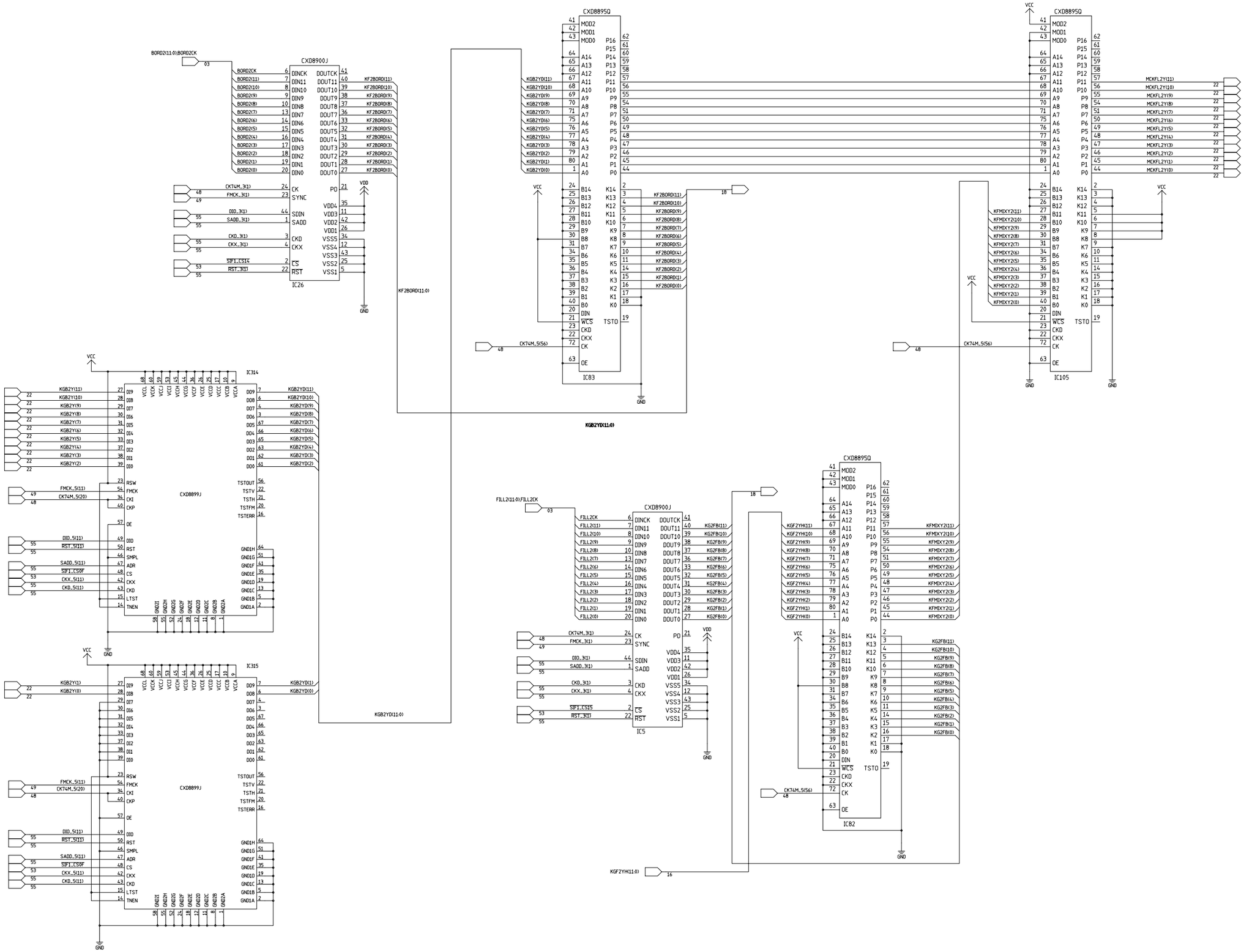
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Mixer Board
MIX-13 (18/56)
BOARD NO. 1-645-283-12

HDS-7000

HDS-7000

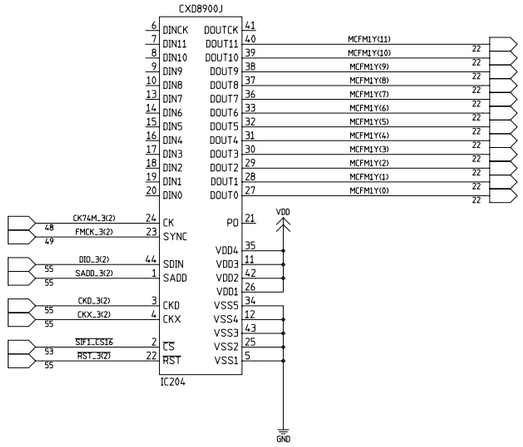
MIX-13 (19/56)

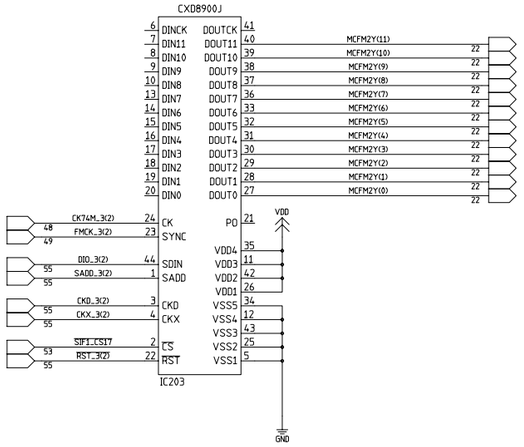


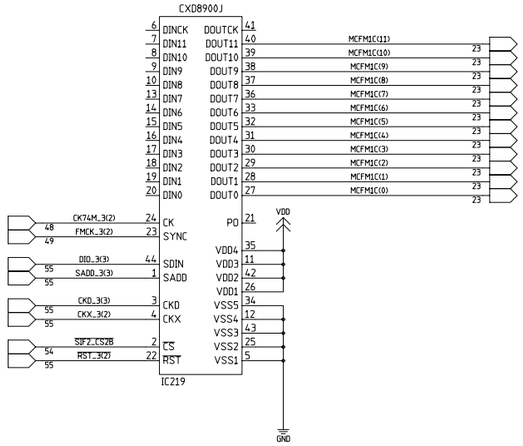
Mixer Board
MIX-13 (19/56)
BOARD NO. 1-645-283-12

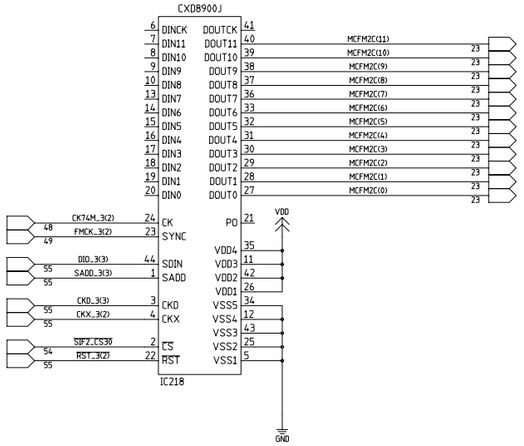
HDS-7000

MIX-13 (20/56)









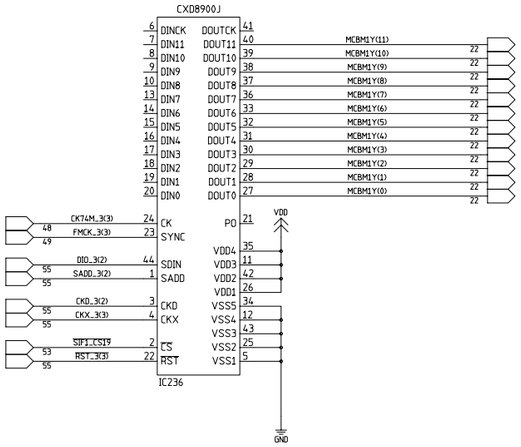
Mixer Board
MIX-13 (20/56)
BOARD NO. 1-645-283-12

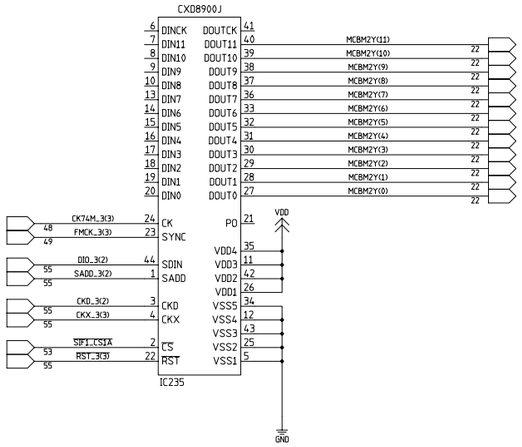
HDS-7000

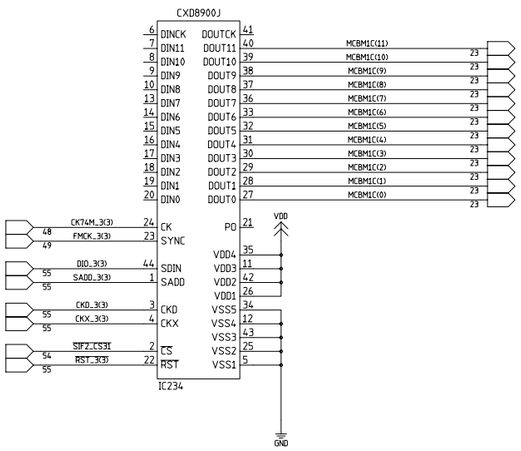
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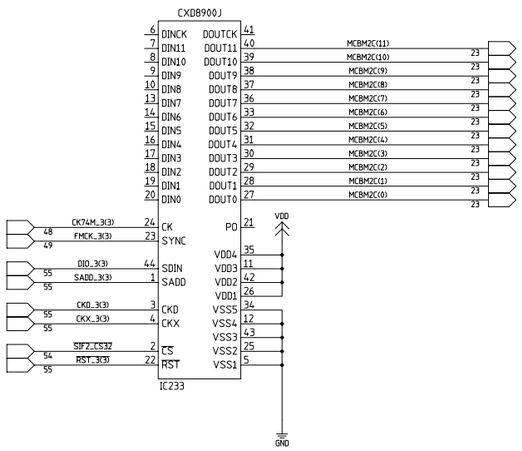
304

MIX-13 (21/56)







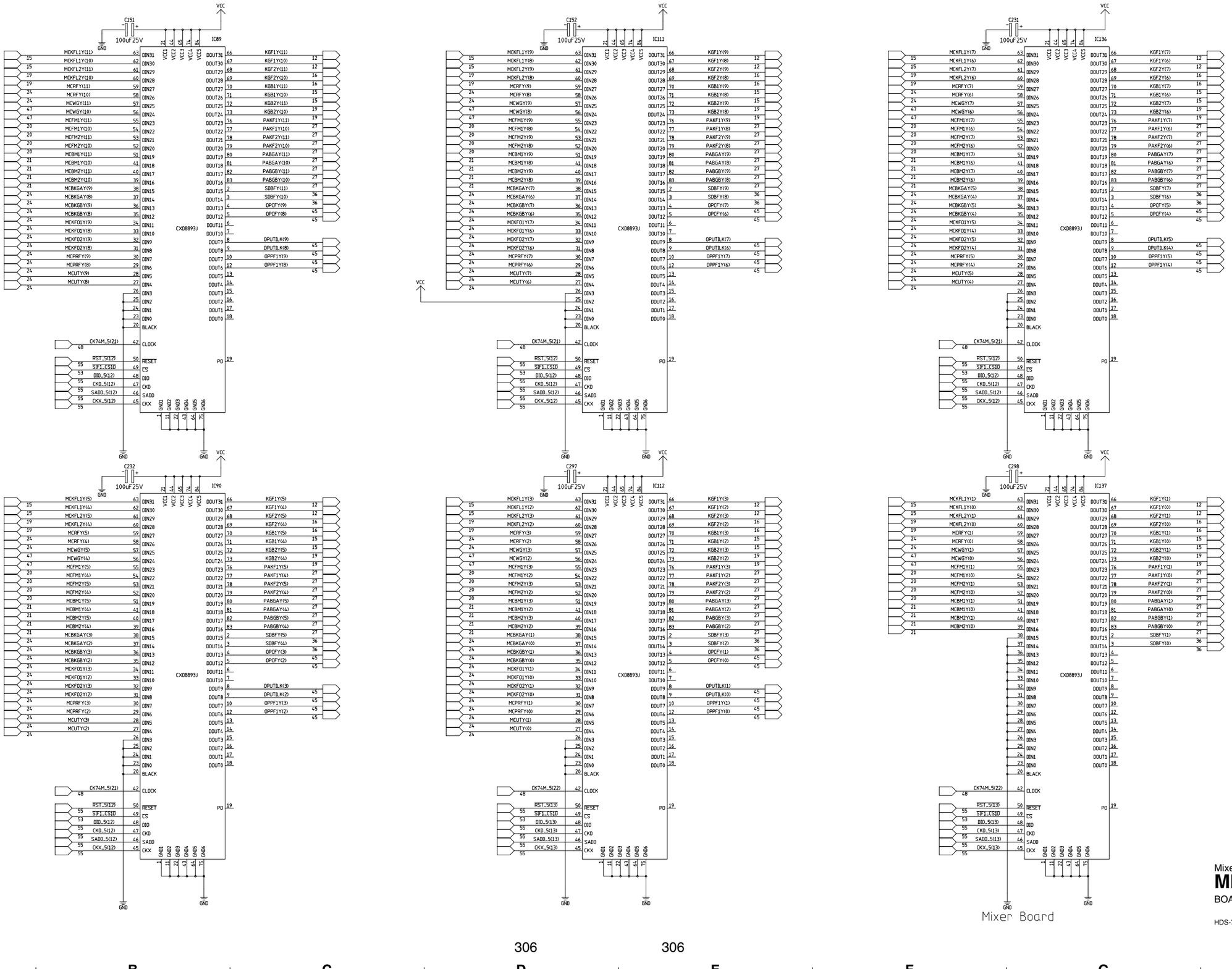


Mixer Board
MIX-13 (21/56)
BOARD NO. 1-645-283-12

HDS-7000

305
HDS-7000

MIX-13 (22/56)



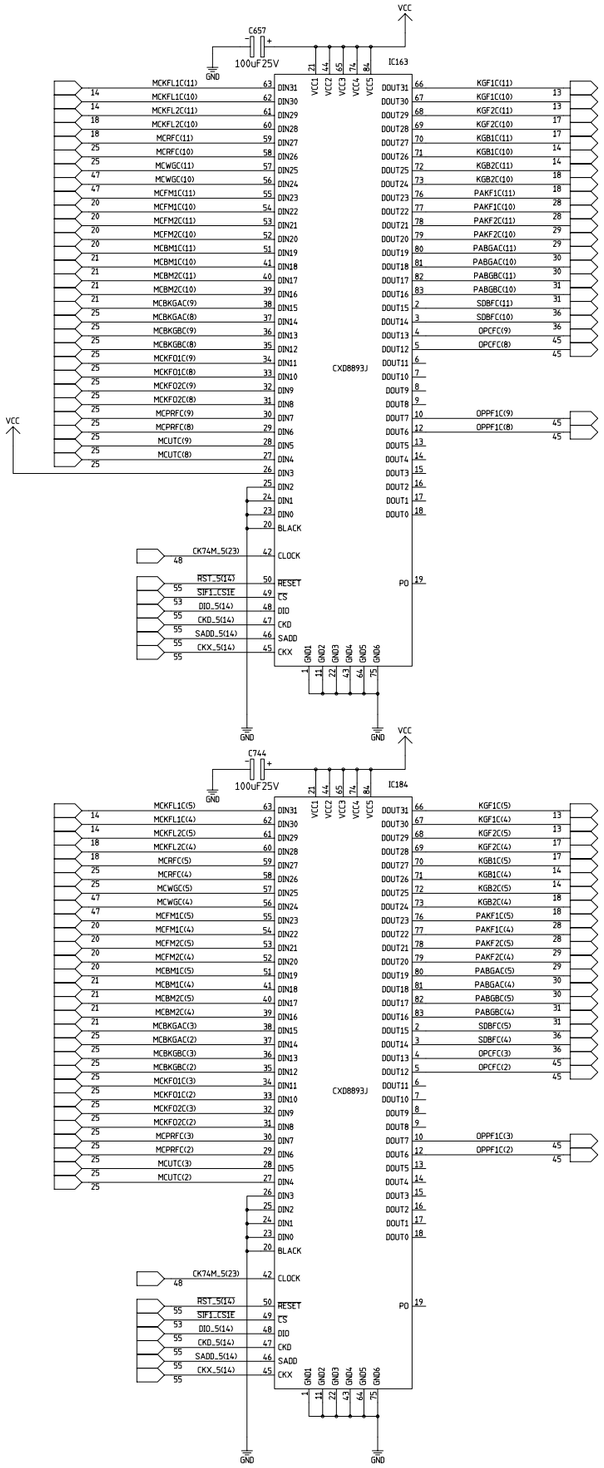
Mixer Board

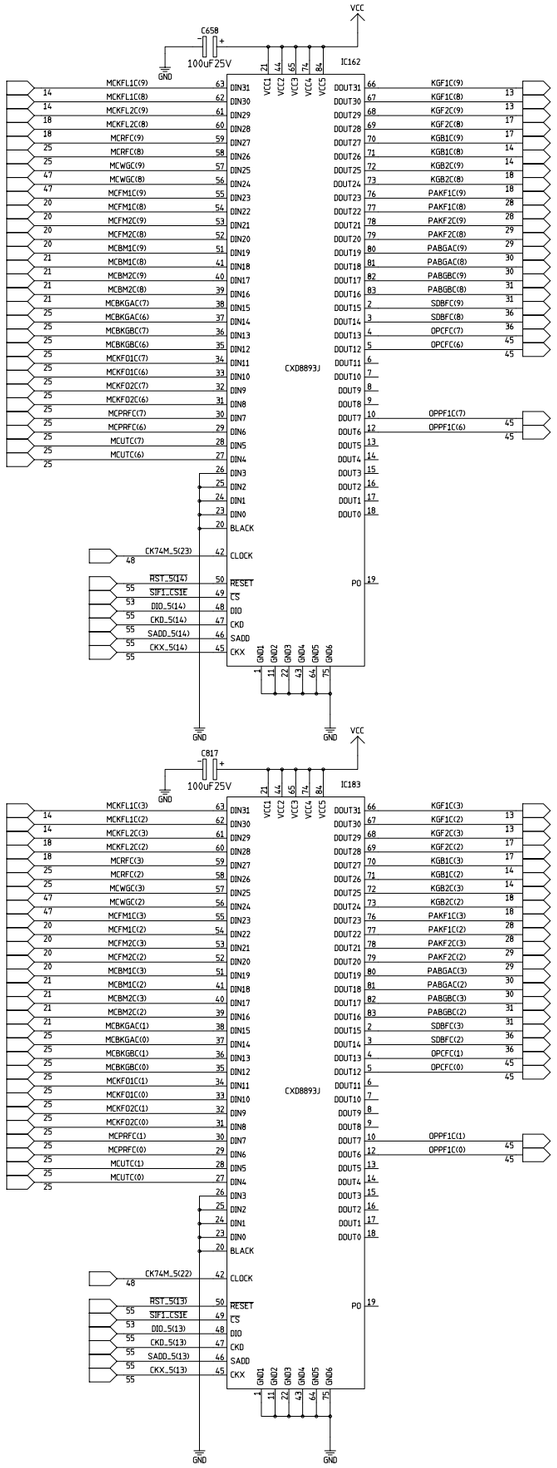
MIX-13 (22/56)

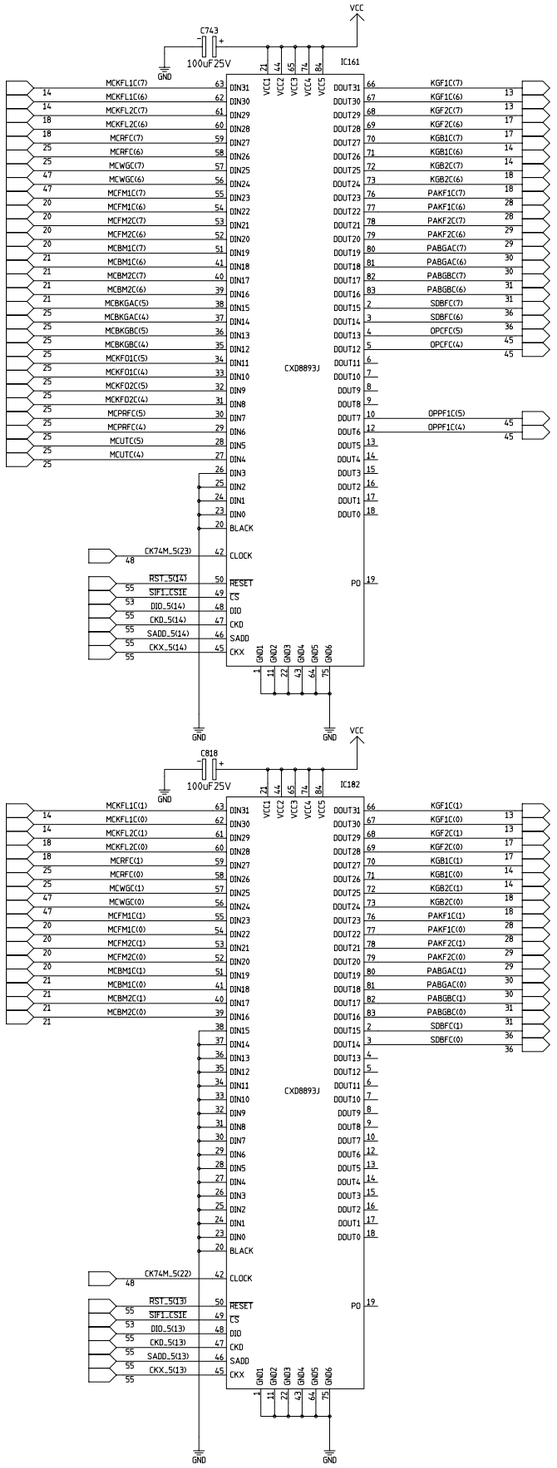
BOARD NO. 1-645-283-12

HDS-7000

MIX-13 (23/56)

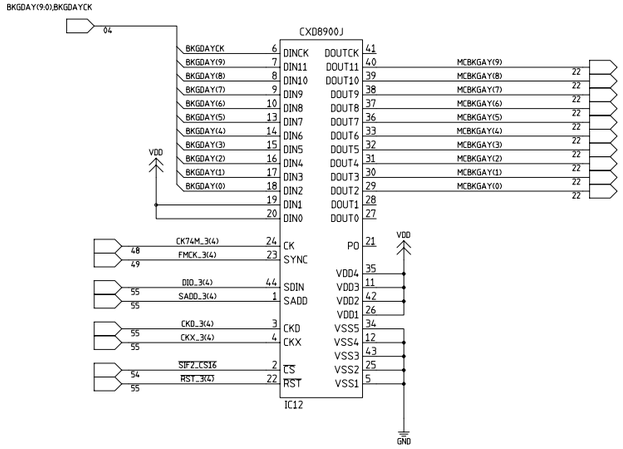


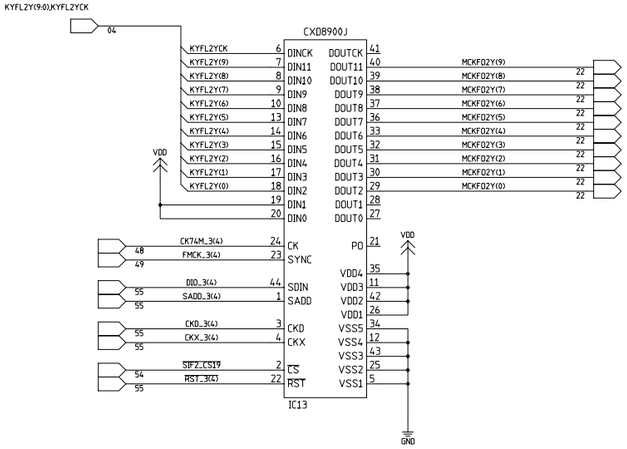


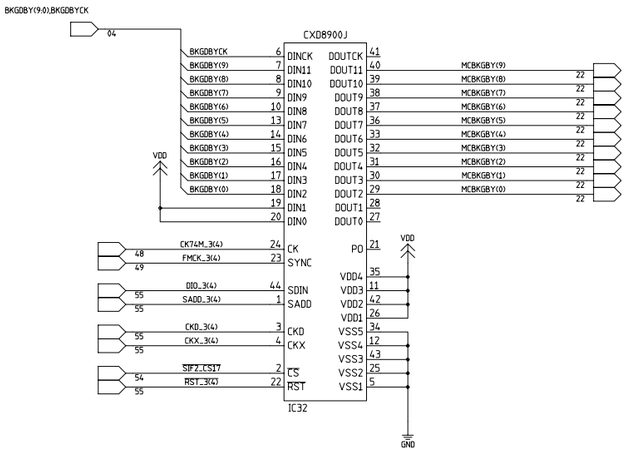


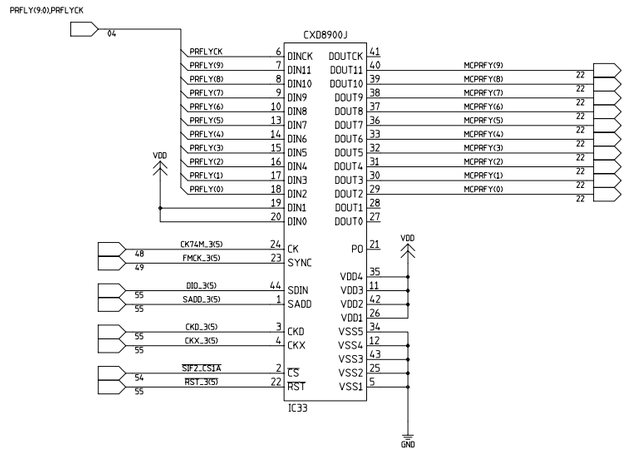
Mixer Board
MIX-13 (23/56)
BOARD NO. 1-645-283-12

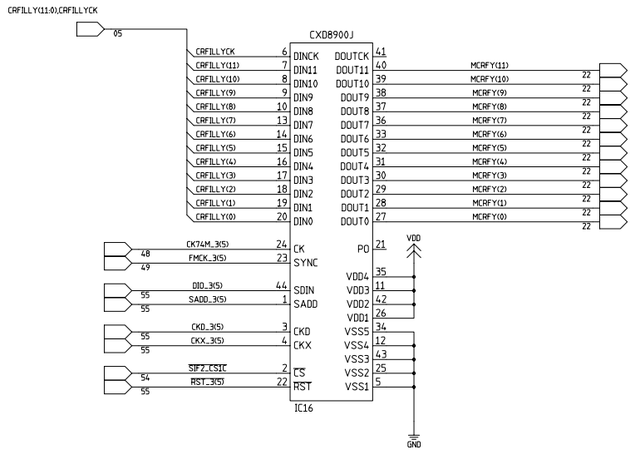
HDS-7000

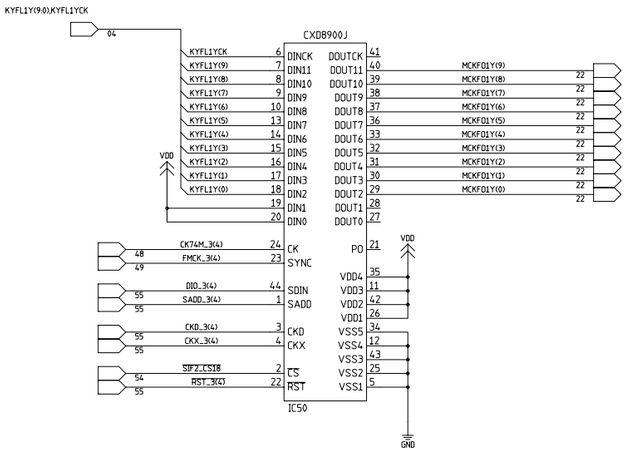


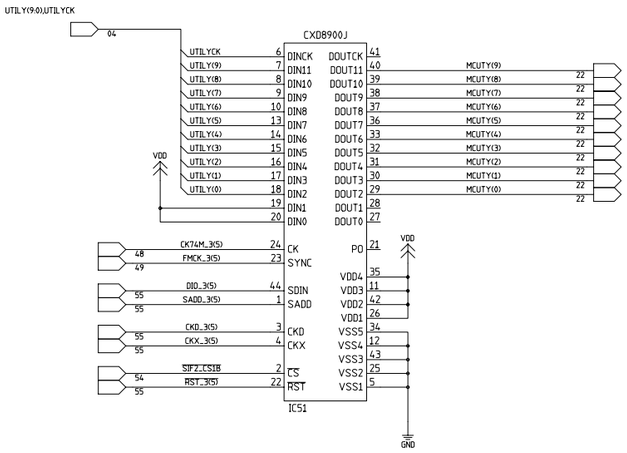










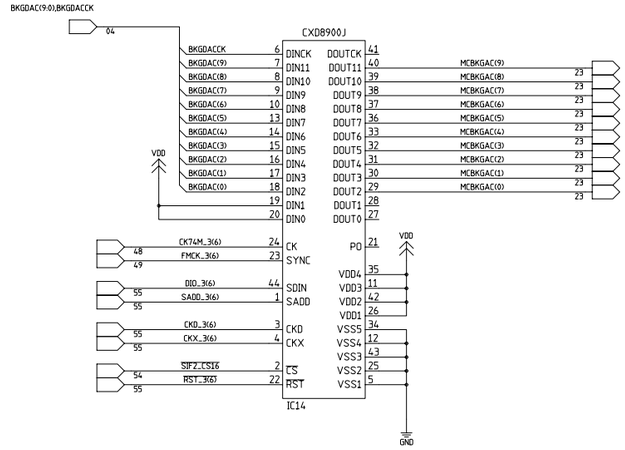


Mixer Board
MIX-13 (24/56)
BOARD NO. 1-645-283-12

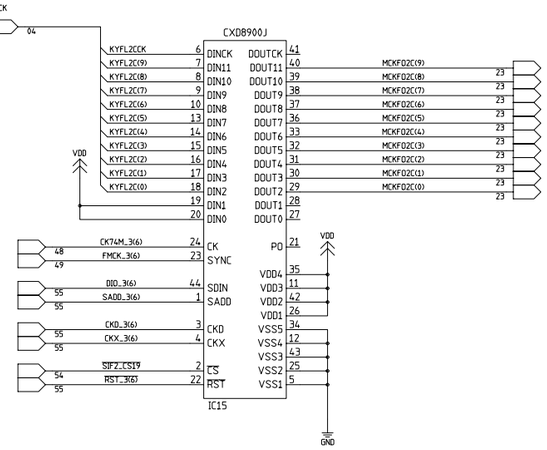
HDS-7000

MIX-13 (25/56)

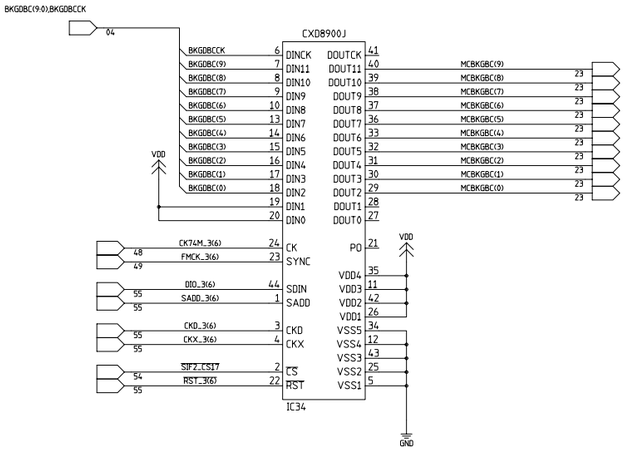
BKGDAC(9:0),BKGDACCK



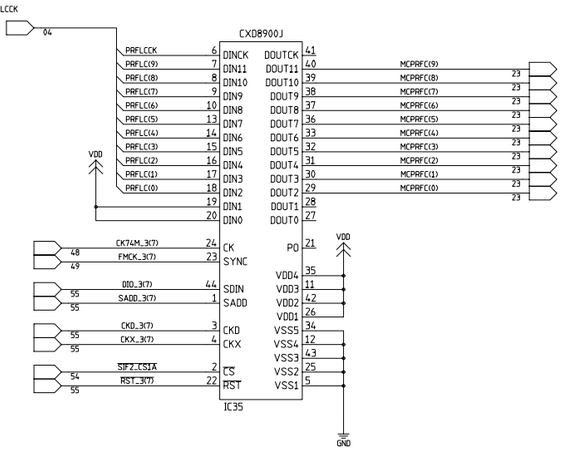
KYFL2C(9:0),KYFL2CCK



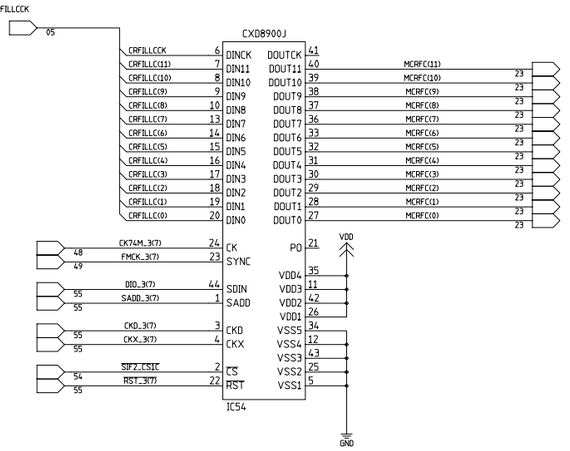
BKGDBC(9:0),BKGDBCCK



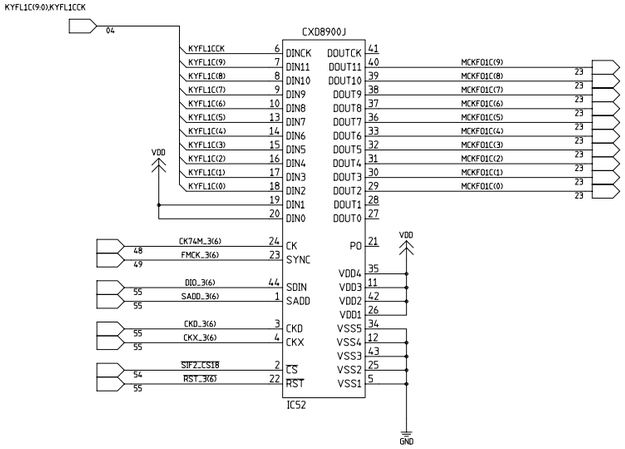
PAFLC(9:0),PAFLCCK



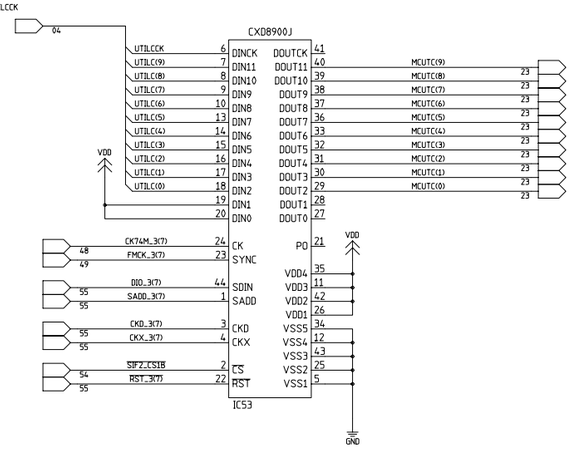
CAFLLCC(11:0),CAFLLCCK



KYFL1C(9:0),KYFL1CCK



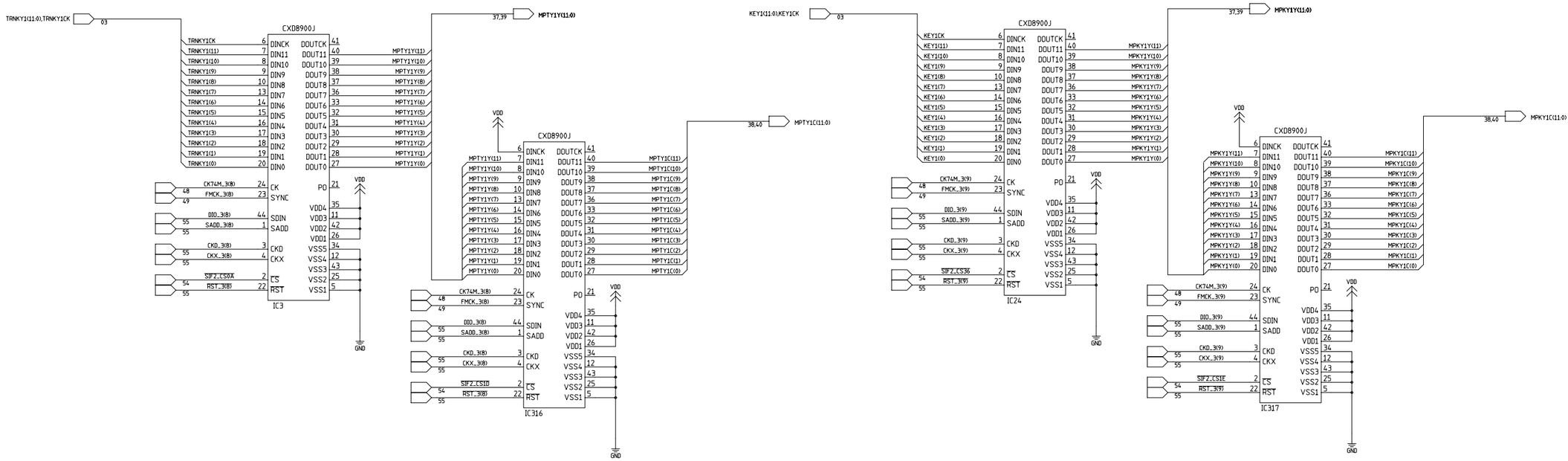
UTILC(9:0),UTILCCK

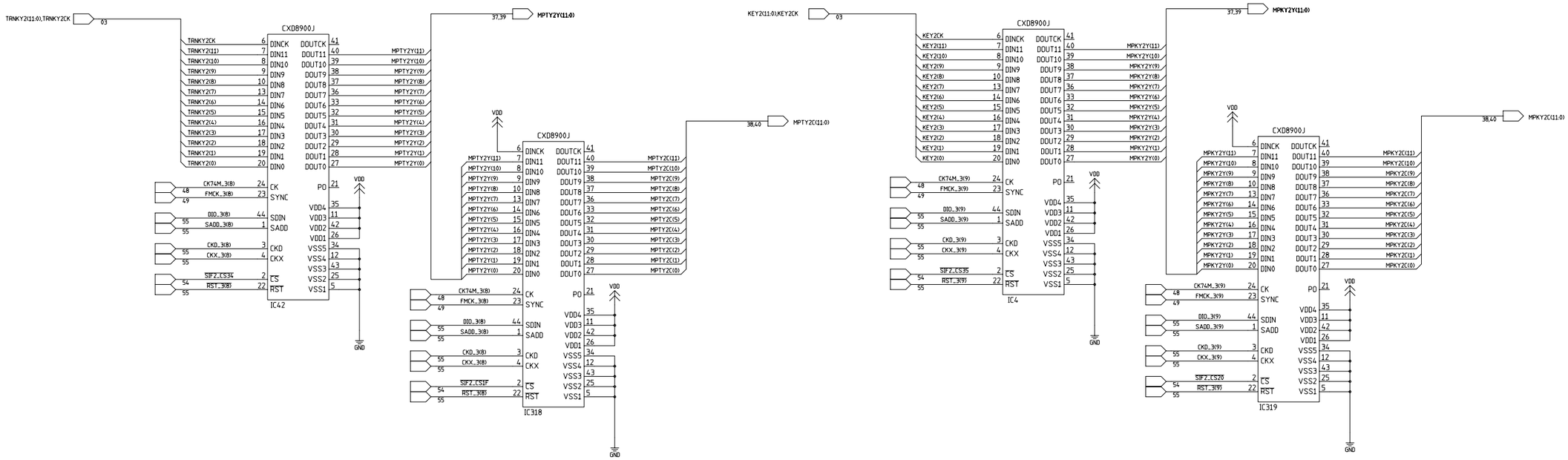


Mixer Board
MIX-13 (25/56)
BOARD NO. 1-645-283-12

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MIX-13 (26/56)



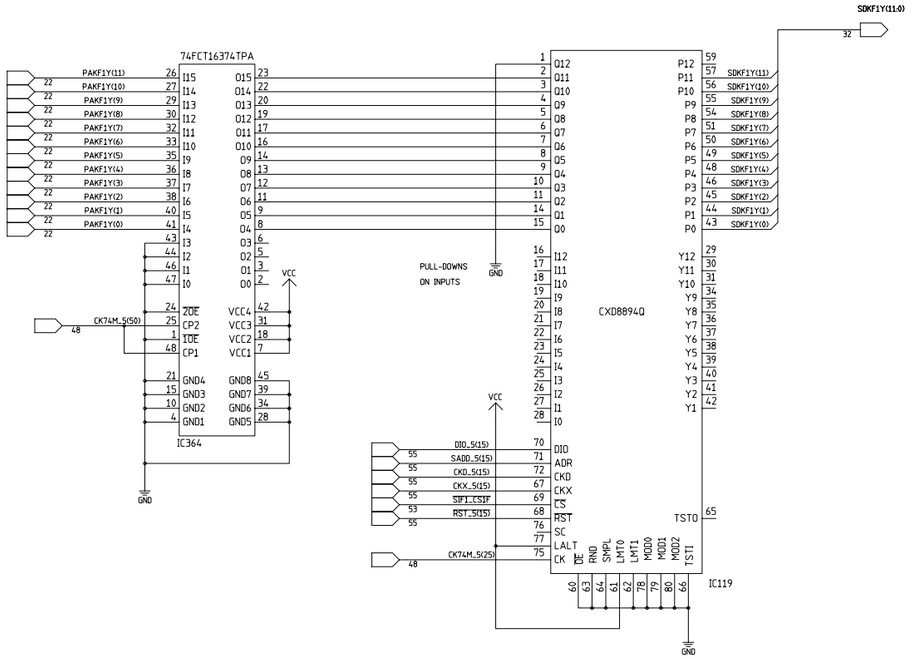


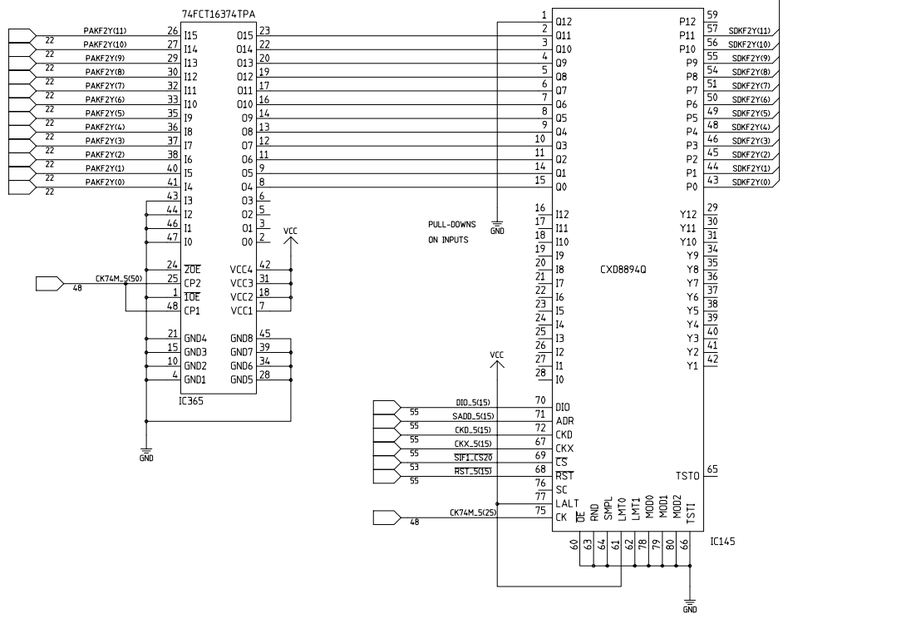
Mixer Board
MIX-13 (26/56)
BOARD NO. 1-645-283-12

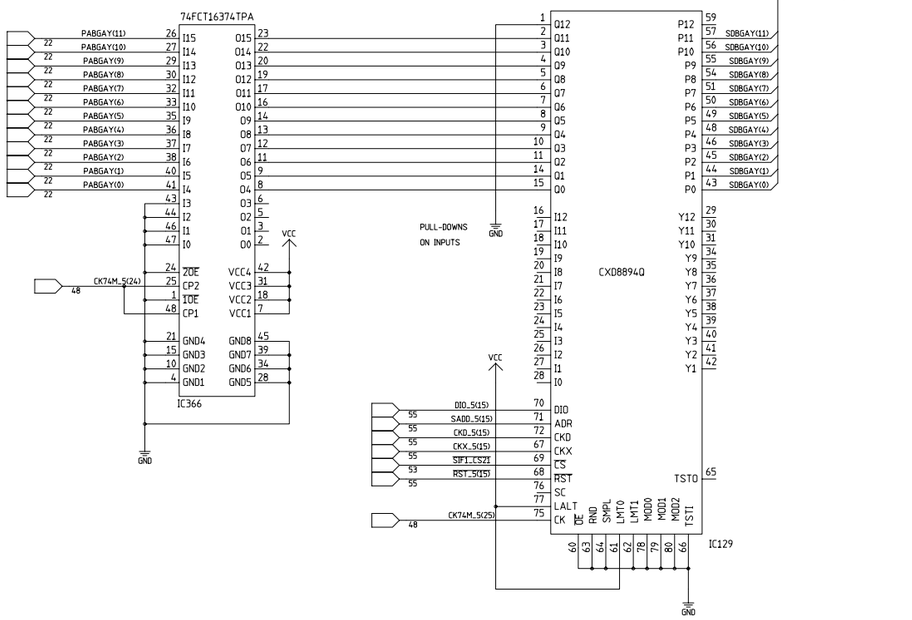
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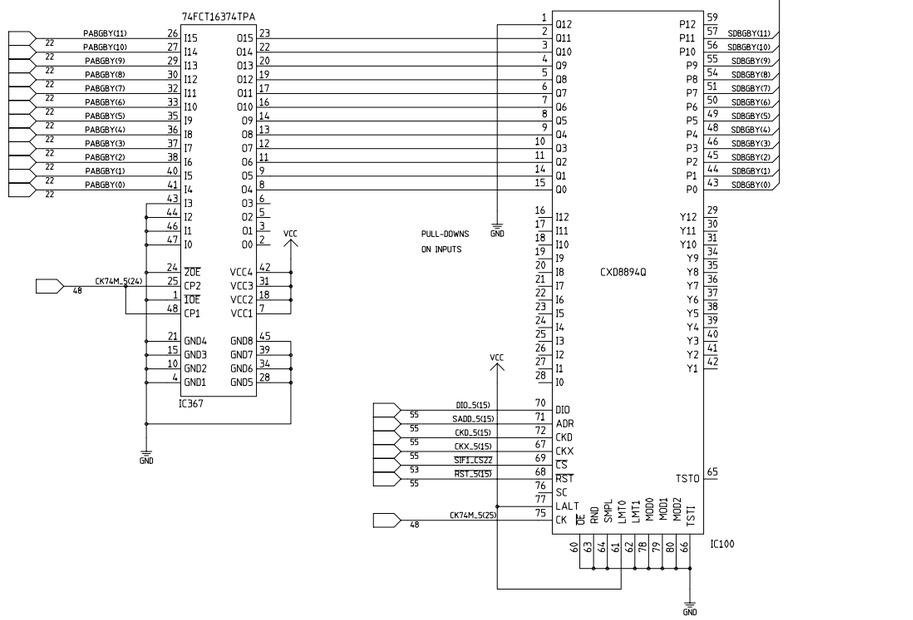
310
HDS-7000

MIX-13 (27/56)





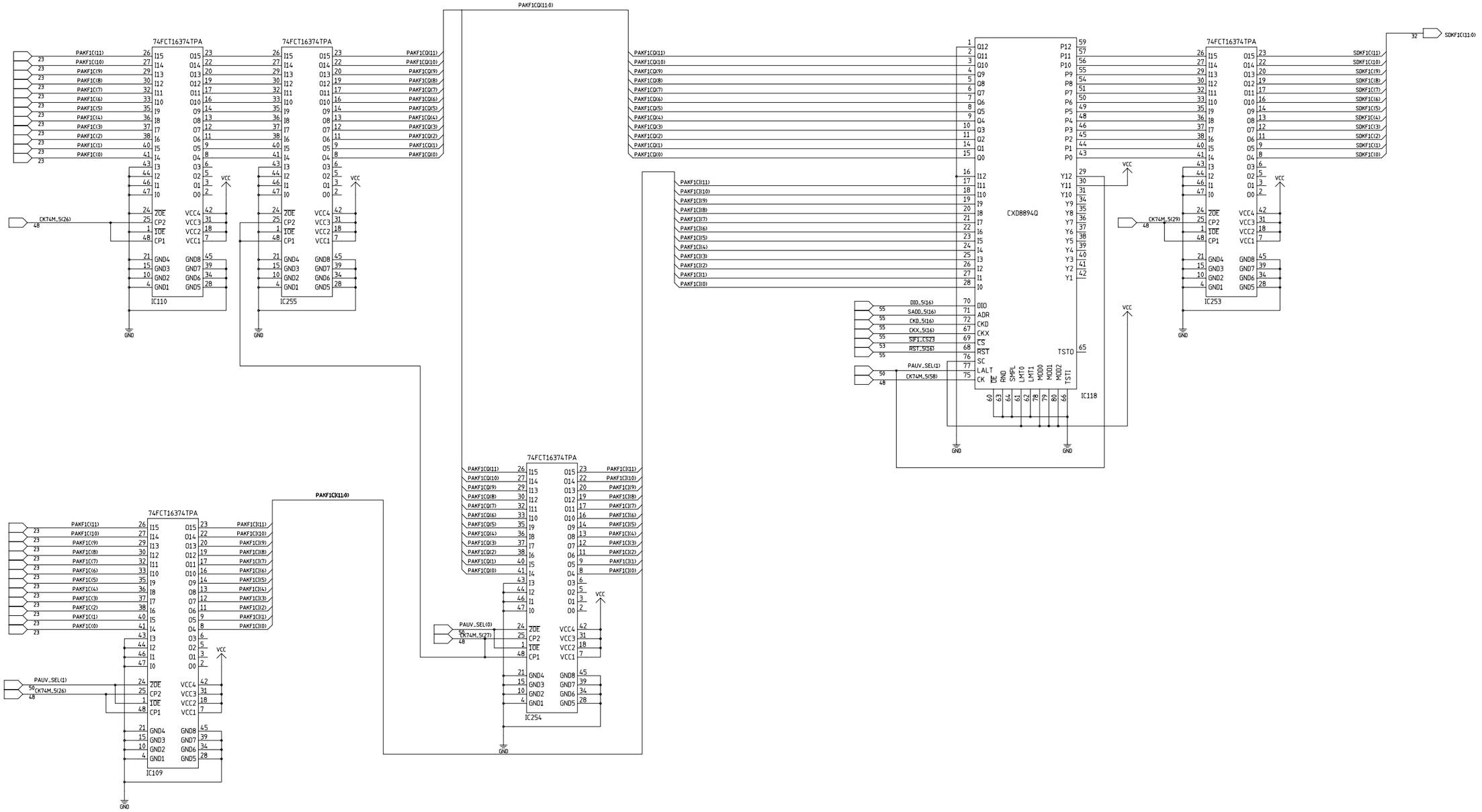




Mixer Board
MIX-13 (27/56)
BOARD NO. 1-645-283-12

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MIX-13 (28/56)



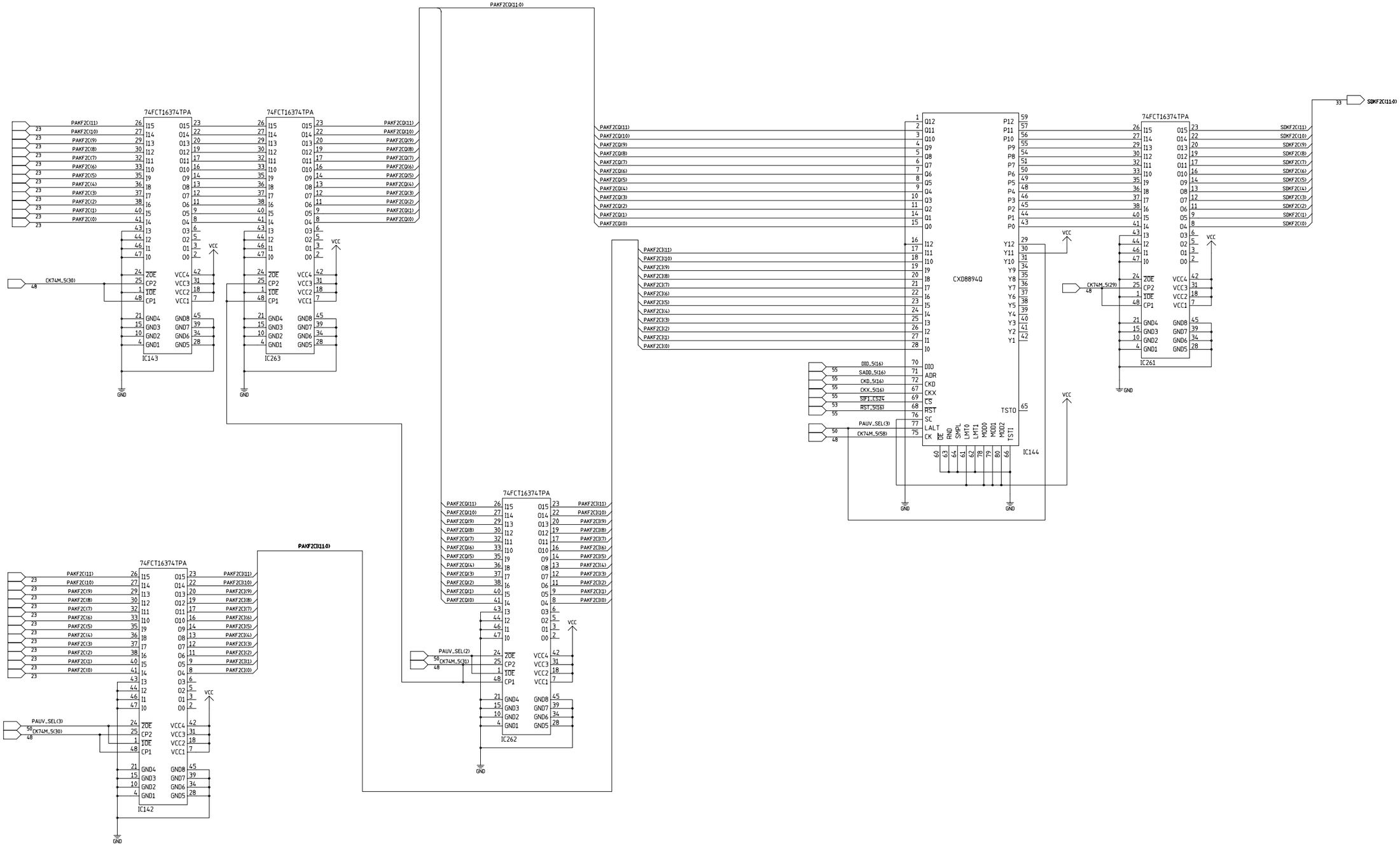
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Mixer Board
MIX-13 (28/56)
BOARD NO. 1-645-283-12

HDS-7000

HDS-7000

MIX-13 (29/56)



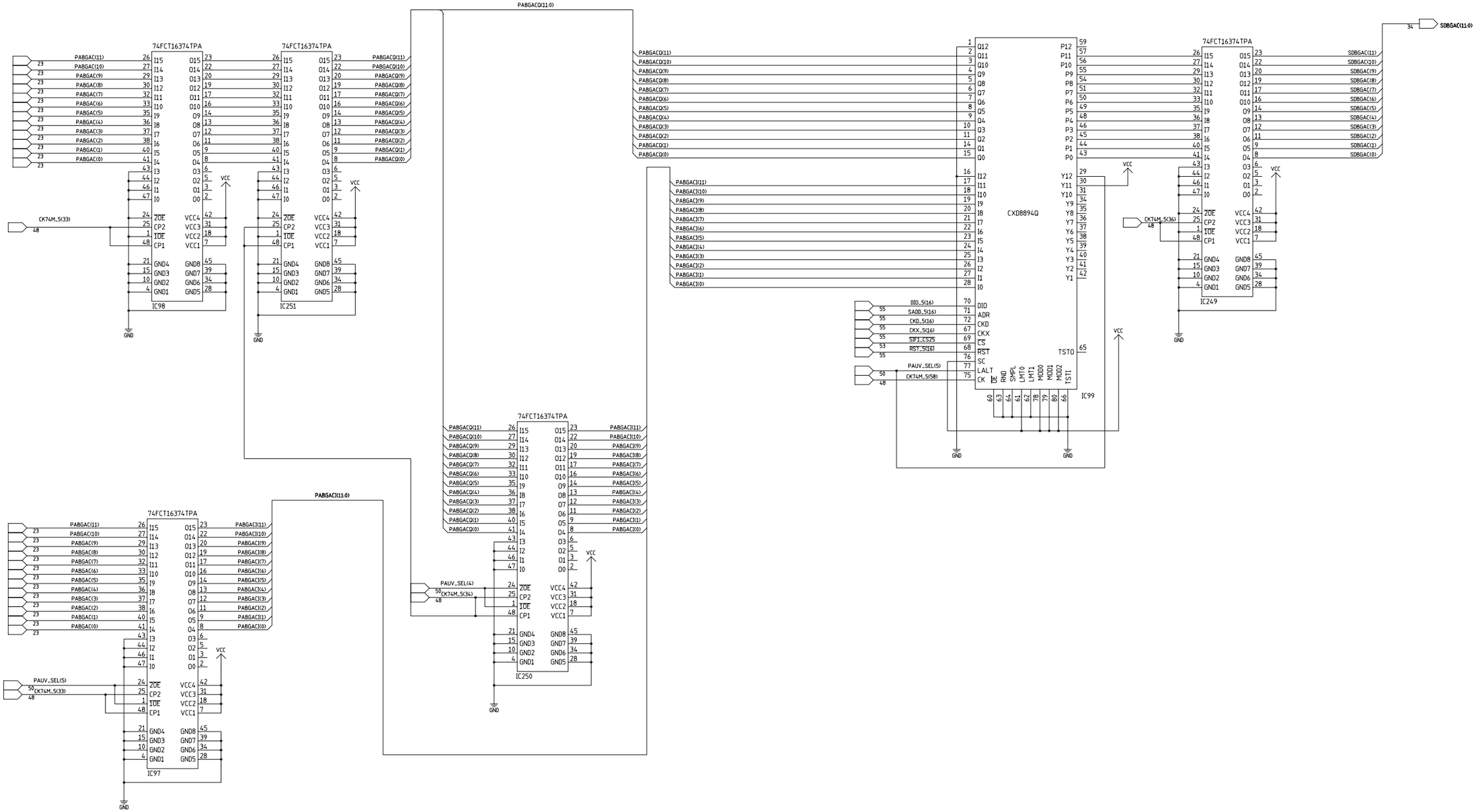
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313

313

Mixer Board
MIX-13 (29/56)
BOARD NO. 1-645-283-12

HDS-7000

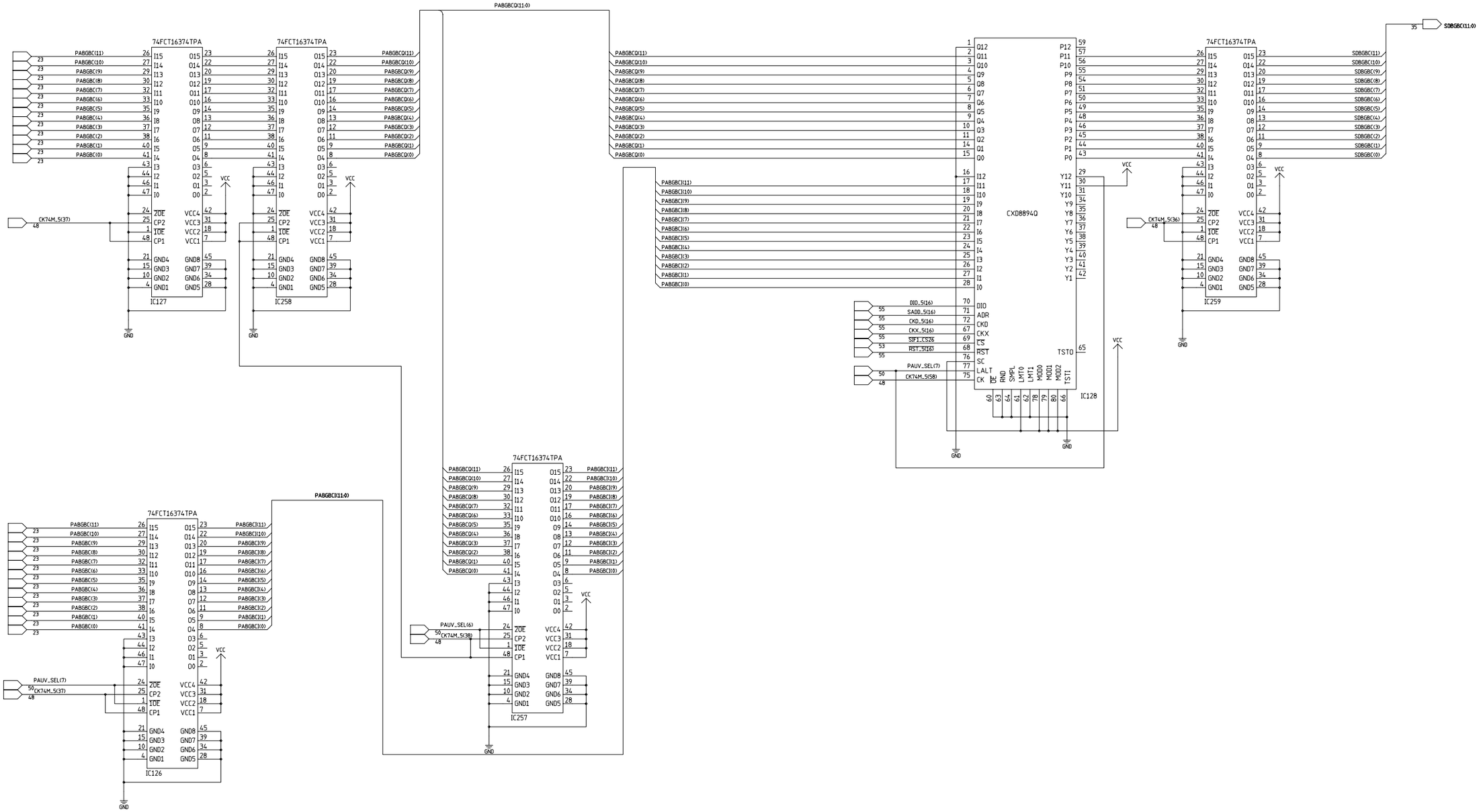


Mixer Board
MIX-13 (30/56)
BOARD NO. 1-645-283-12

HDS-7000

HDS-7000

MIX-13 (31/56)

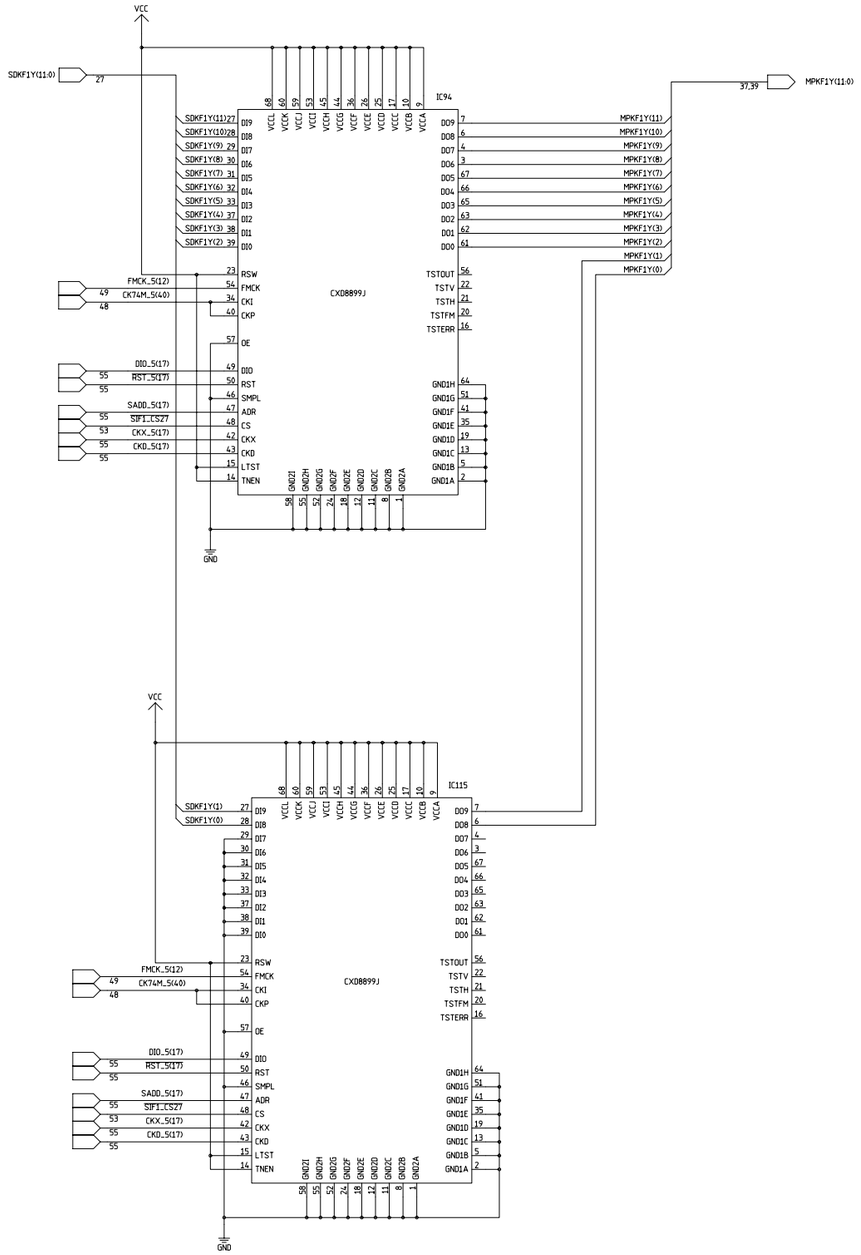


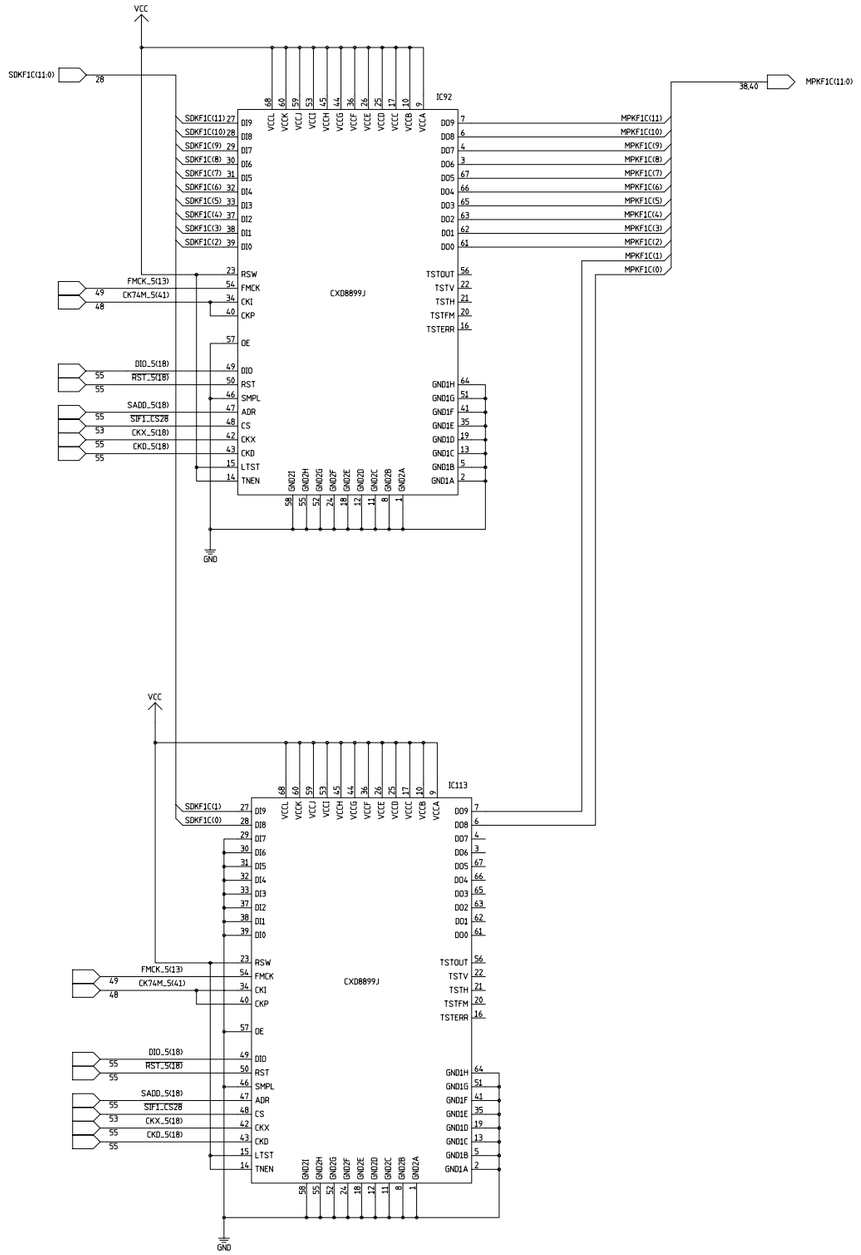
Mixer Board
MIX-13 (31/56)
BOARD NO. 1-645-283-12

HDS-7000

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HDS-7000

MIX-13 (32/56)



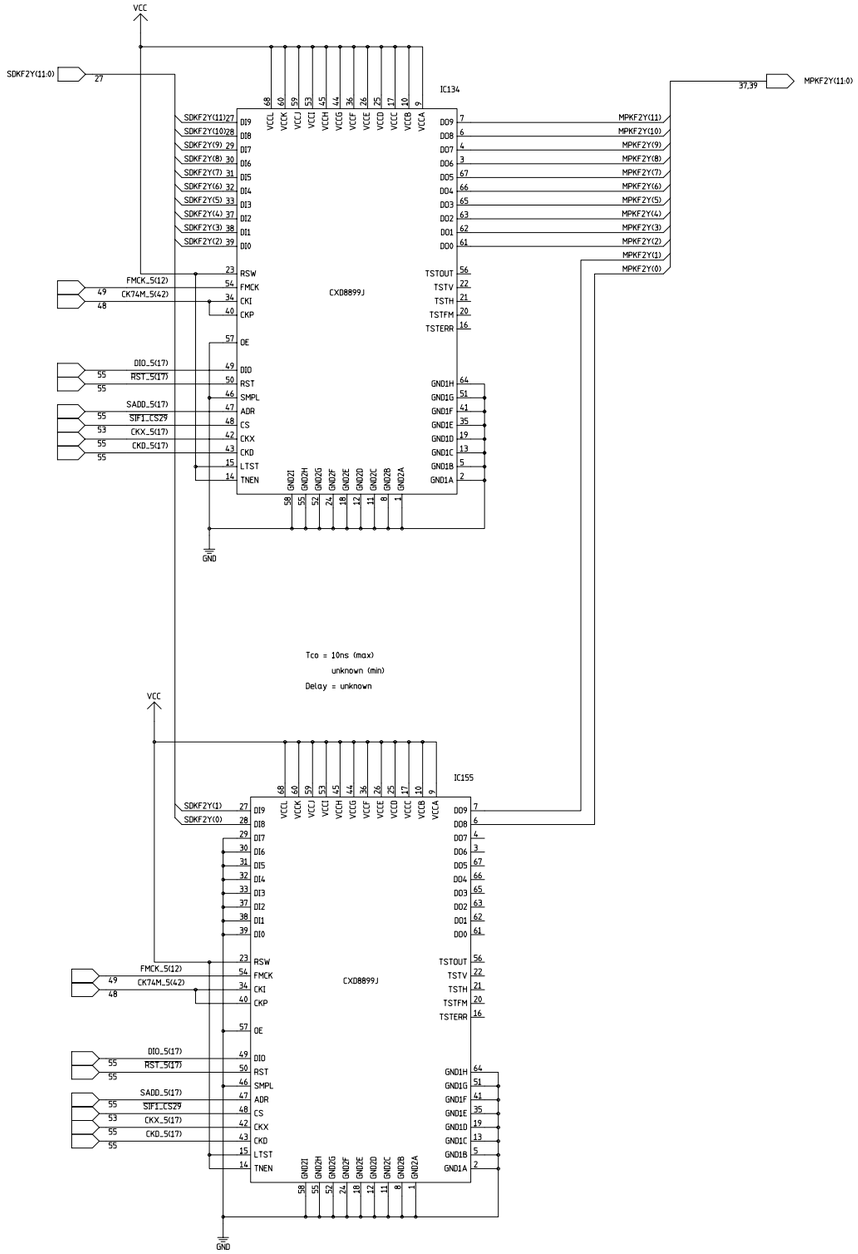


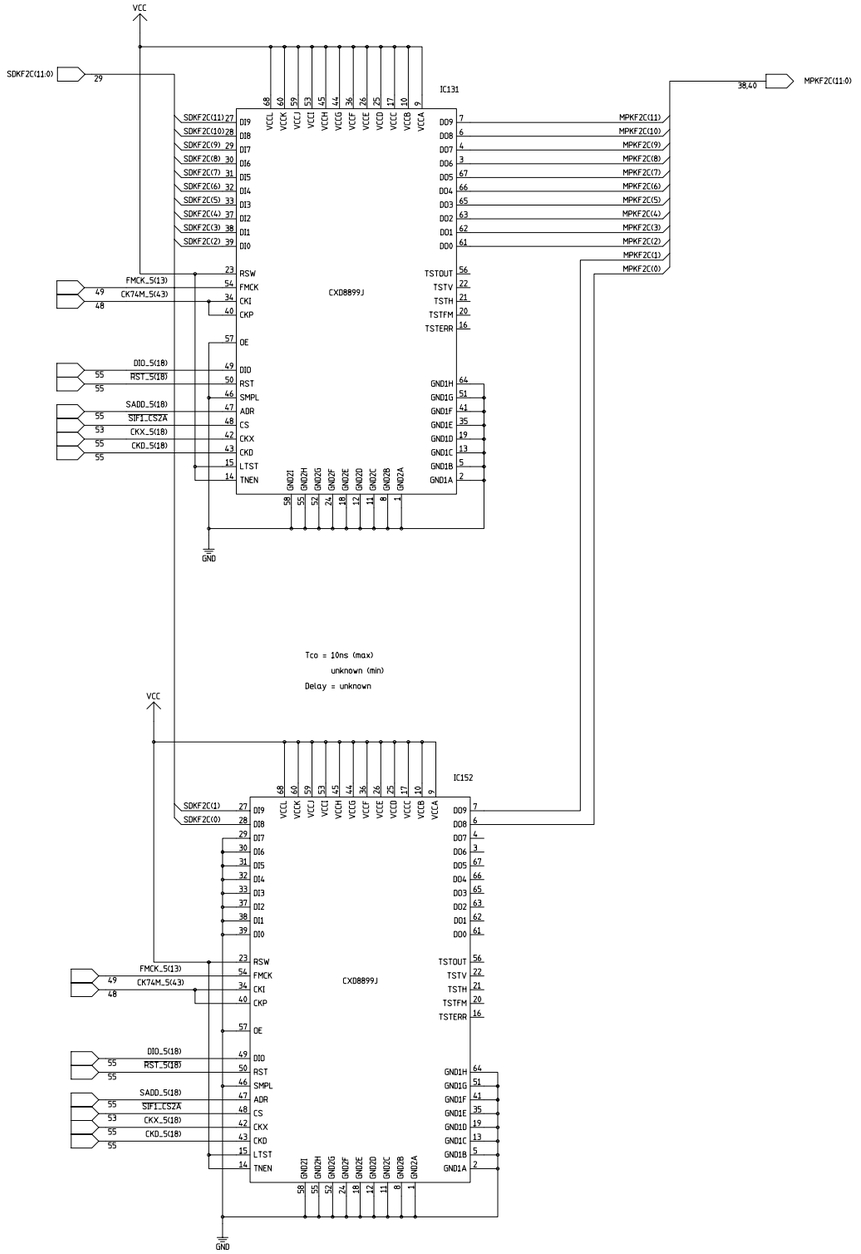
Mixer Board
MIX-13 (32/56)
BOARD NO. 1-645-283-12

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HDS-7000

MIX-13 (33/56)



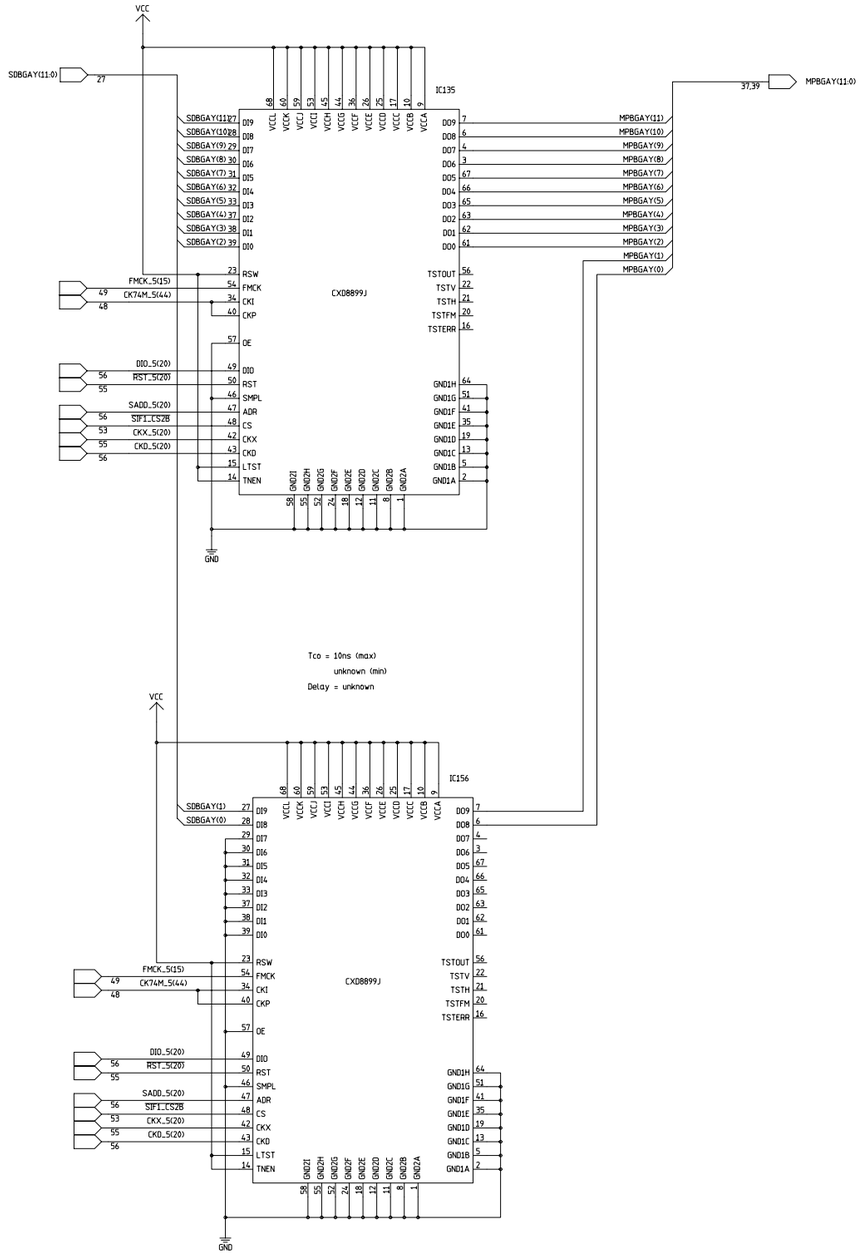


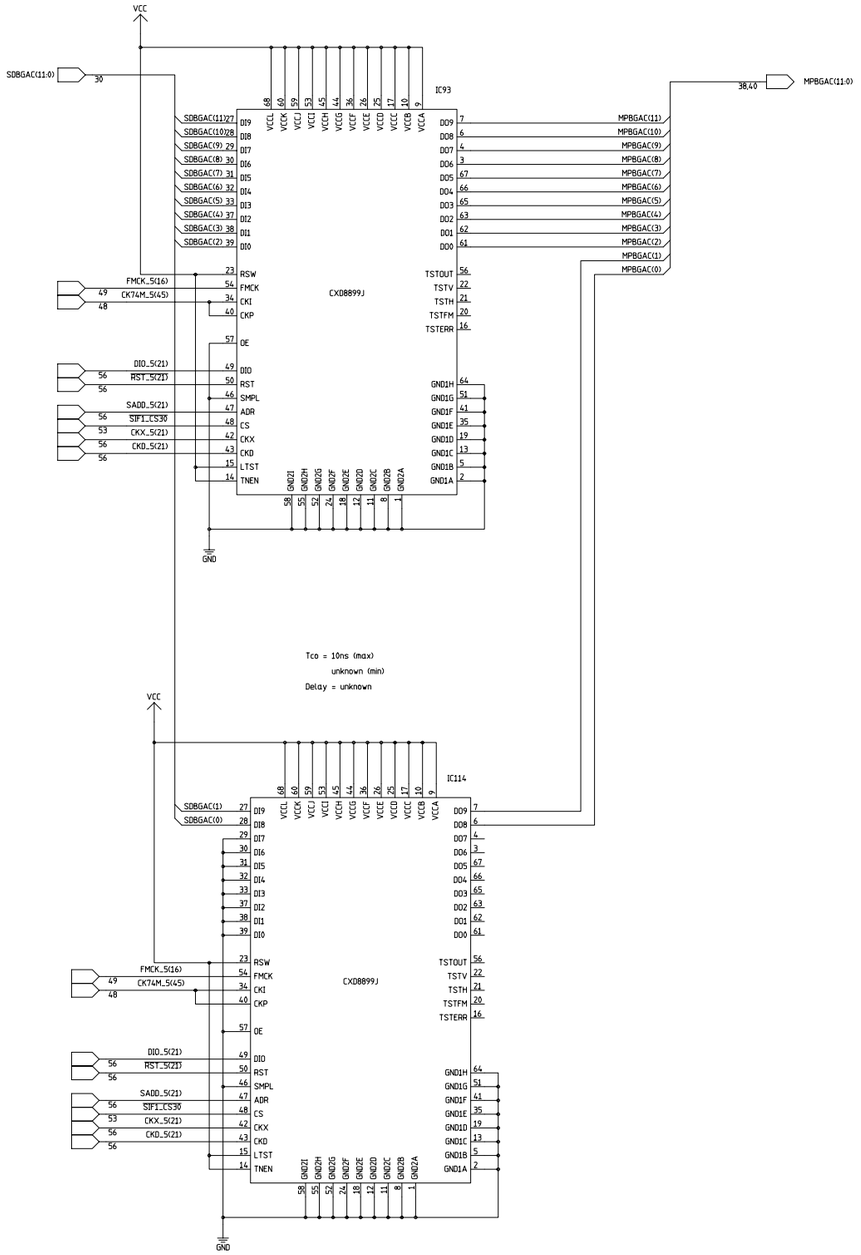
Mixer Board
MIX-13 (33/56)
BOARD NO. 1-645-283-12

HDS-7000

317
HDS-7000

MIX-13 (34/56)



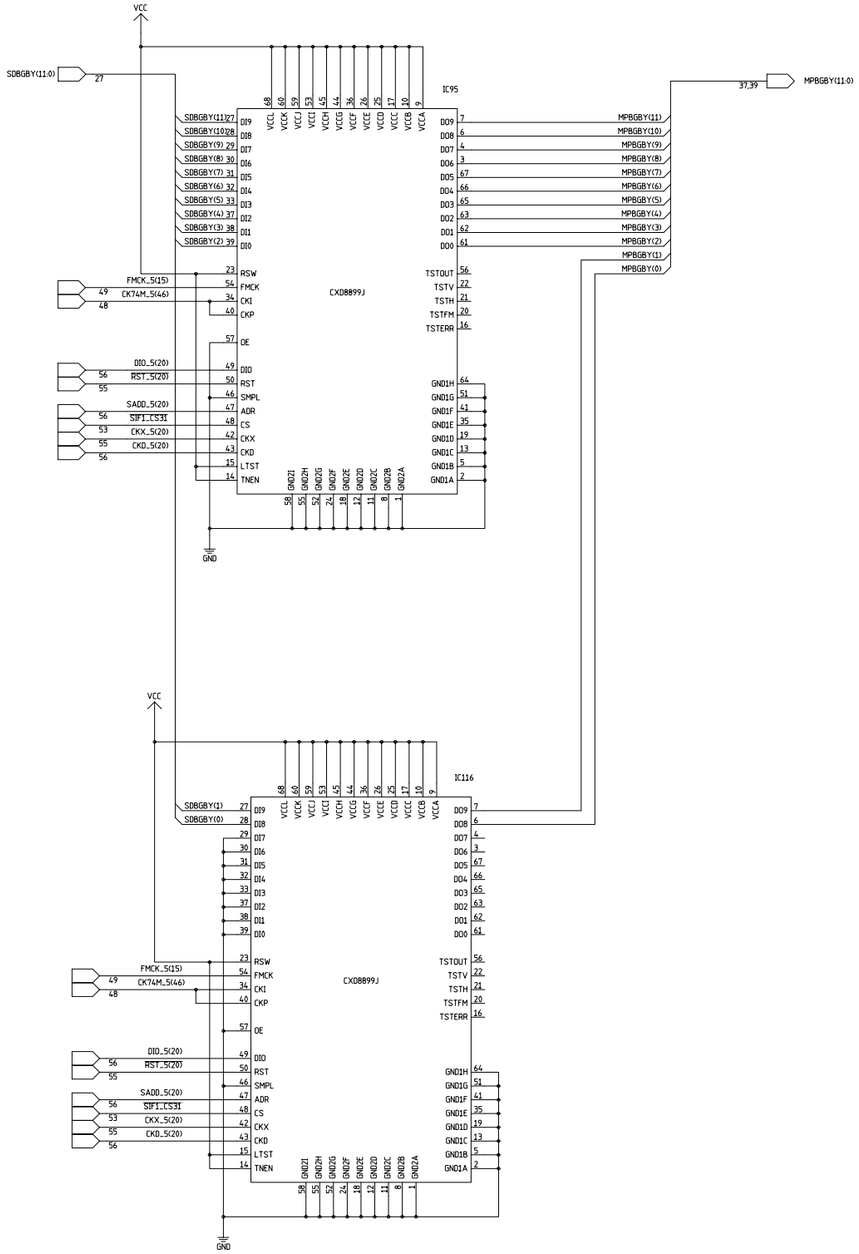


Mixer Board
MIX-13 (34/56)
BOARD NO. 1-645-283-12

HDS-7000

318
HDS-7000

MIX-13 (35/56)

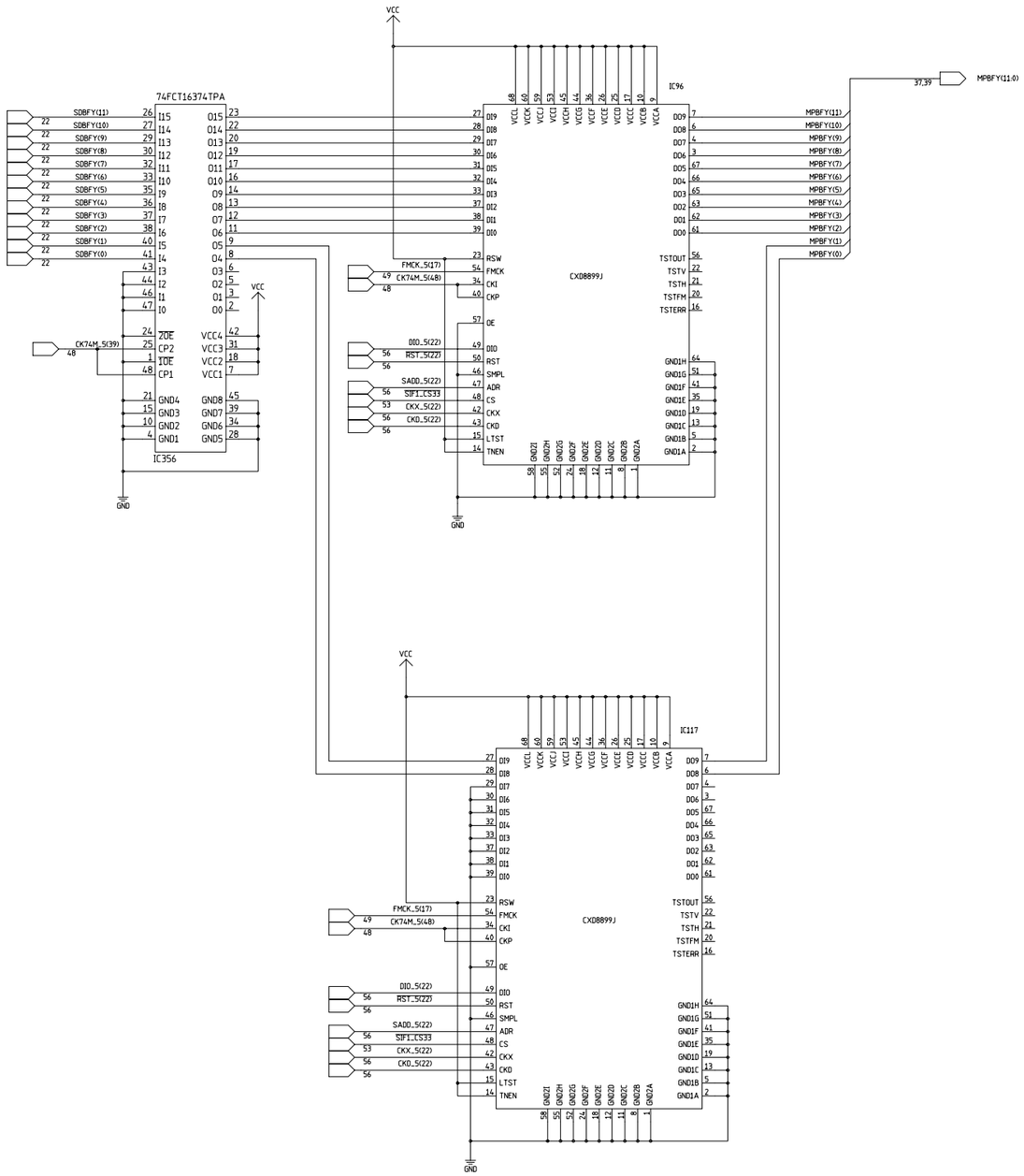


Mixer Board
MIX-13 (35/56)
BOARD NO. 1-645-283-12

HDS-7000

319
HDS-7000

MIX-13 (36/56)



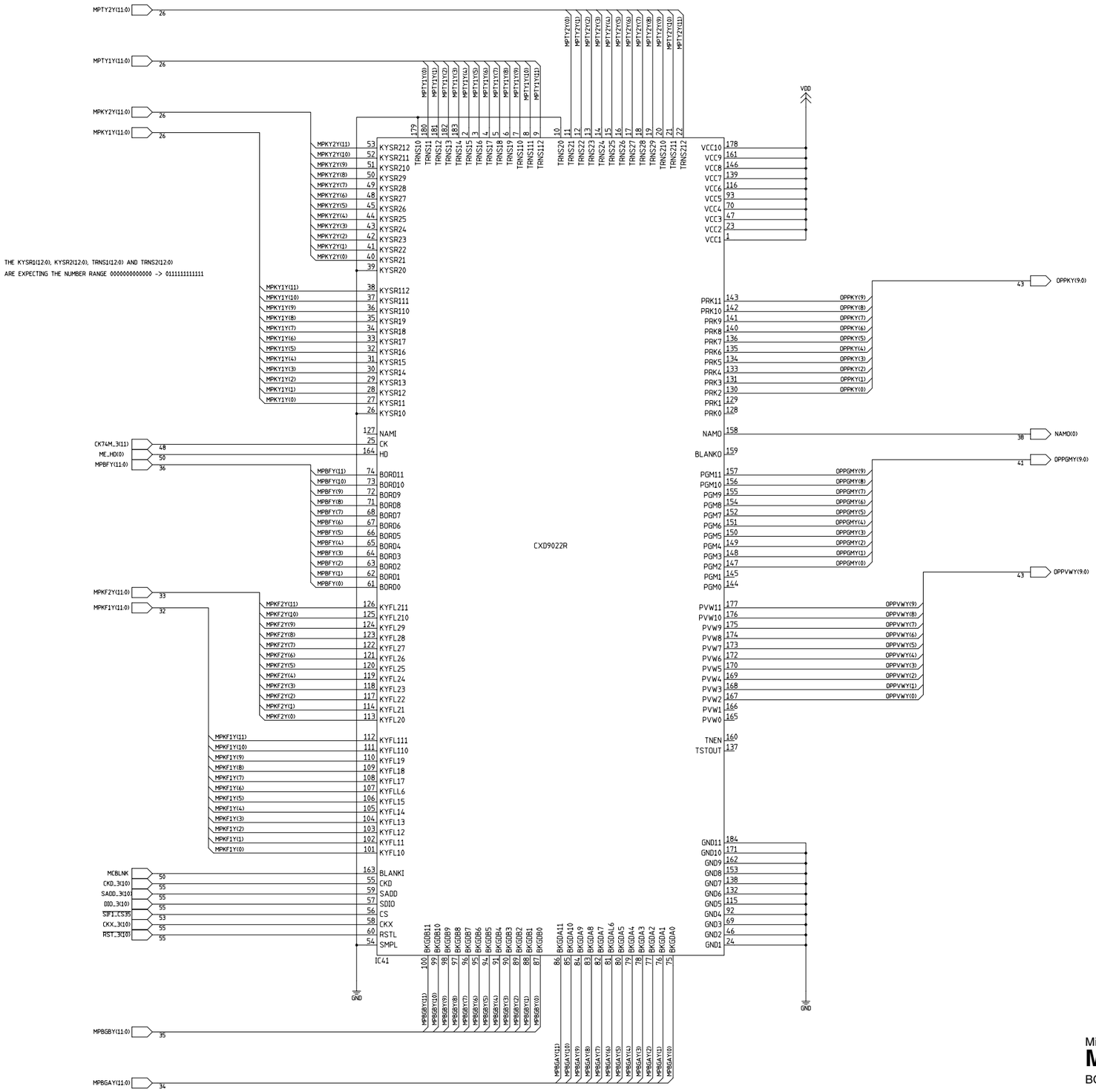
320

Mixer Board
MIX-13 (36/56)
BOARD NO. 1-645-283-12

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HDS-7000

MIX-13 (37/56)



Mixer Board
MIX-13 (37/56)
BOARD NO. 1-645-283-12

HDS-7000

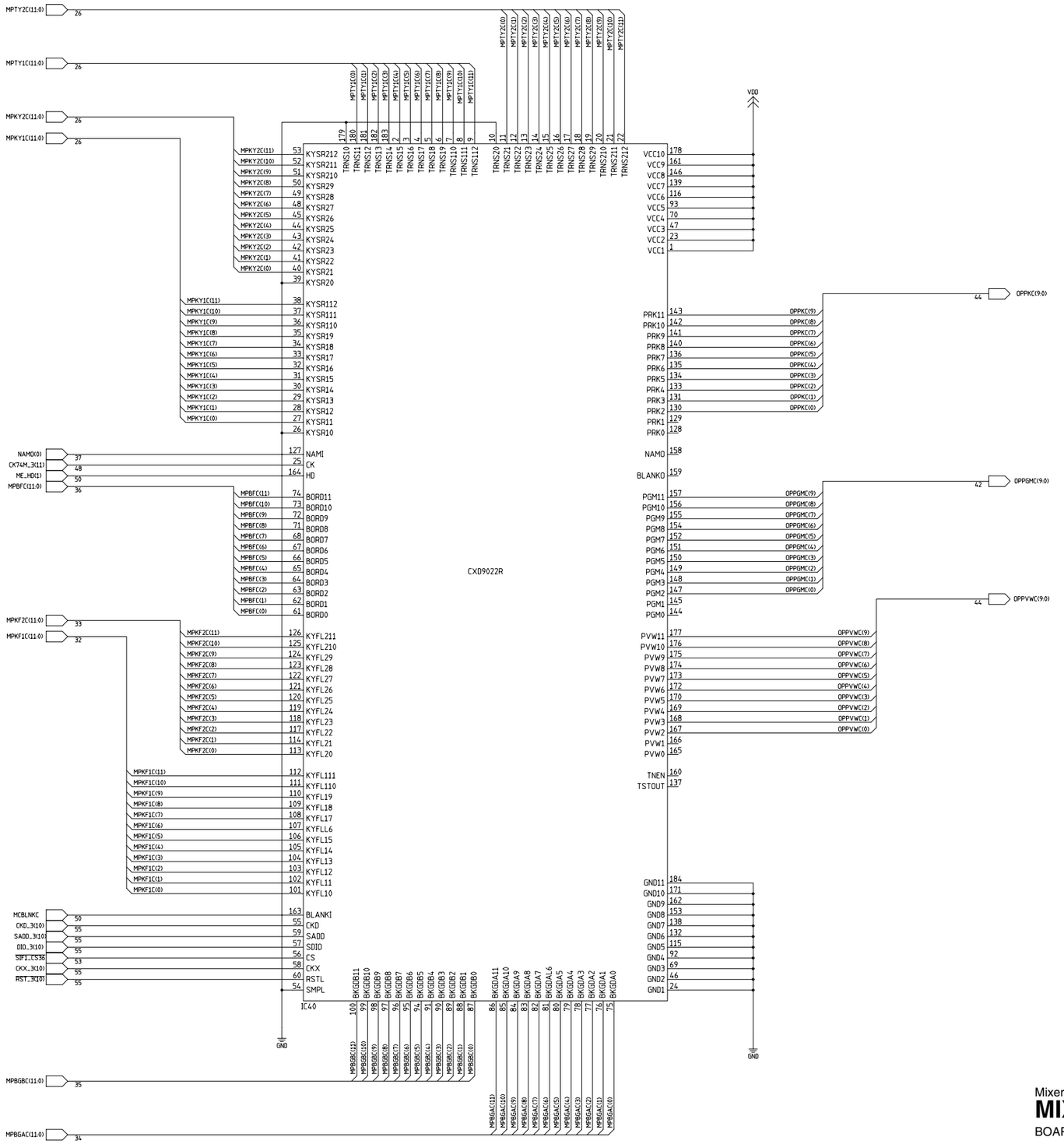
HDS-7000

321

A B C D E F G H

1 2 3 4 5

MIX-13 (38/56)



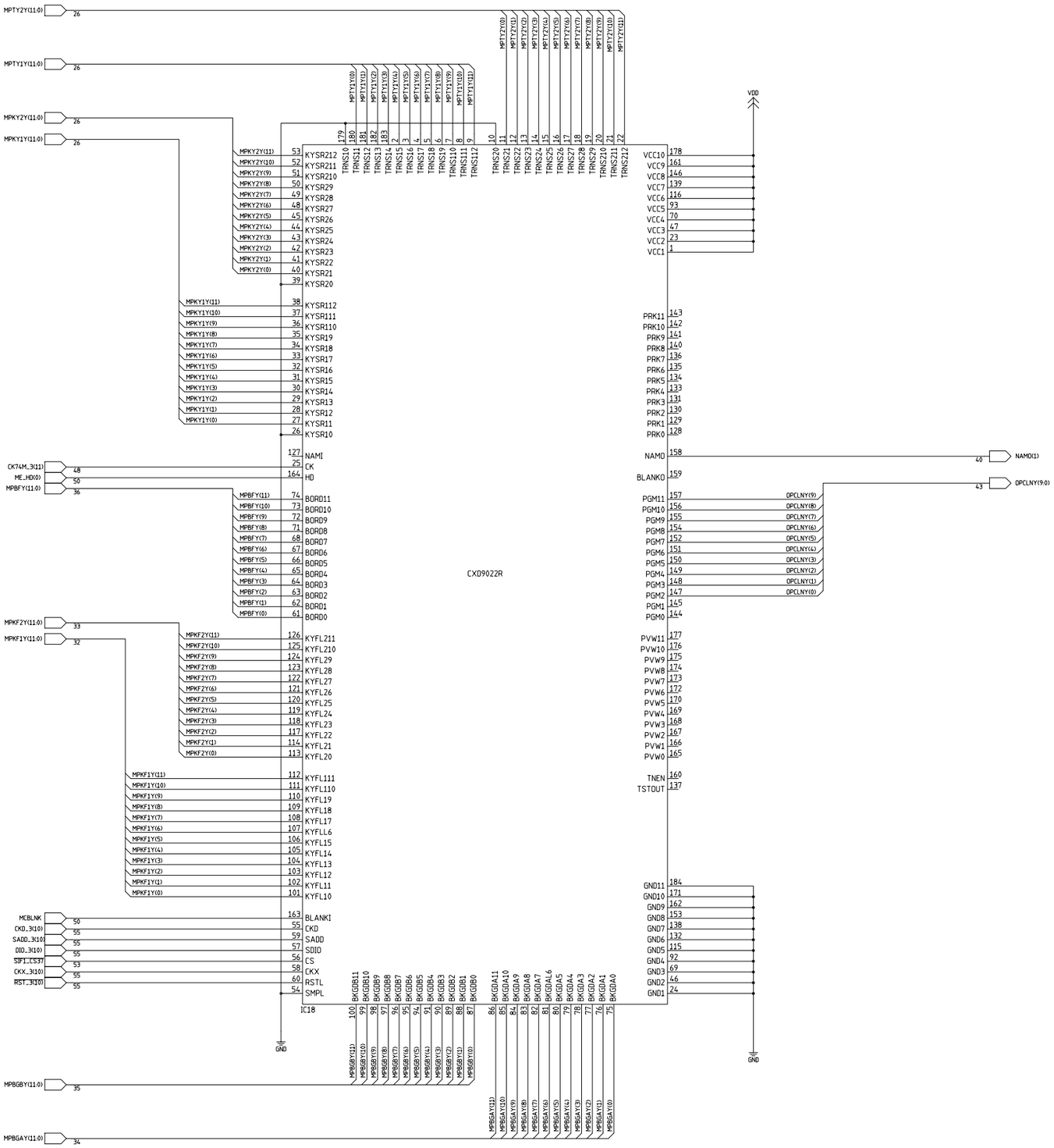
Mixer Board
MIX-13 (38/56)
BOARD NO. 1-645-283-12

HDS-7000

322

HDS-7000

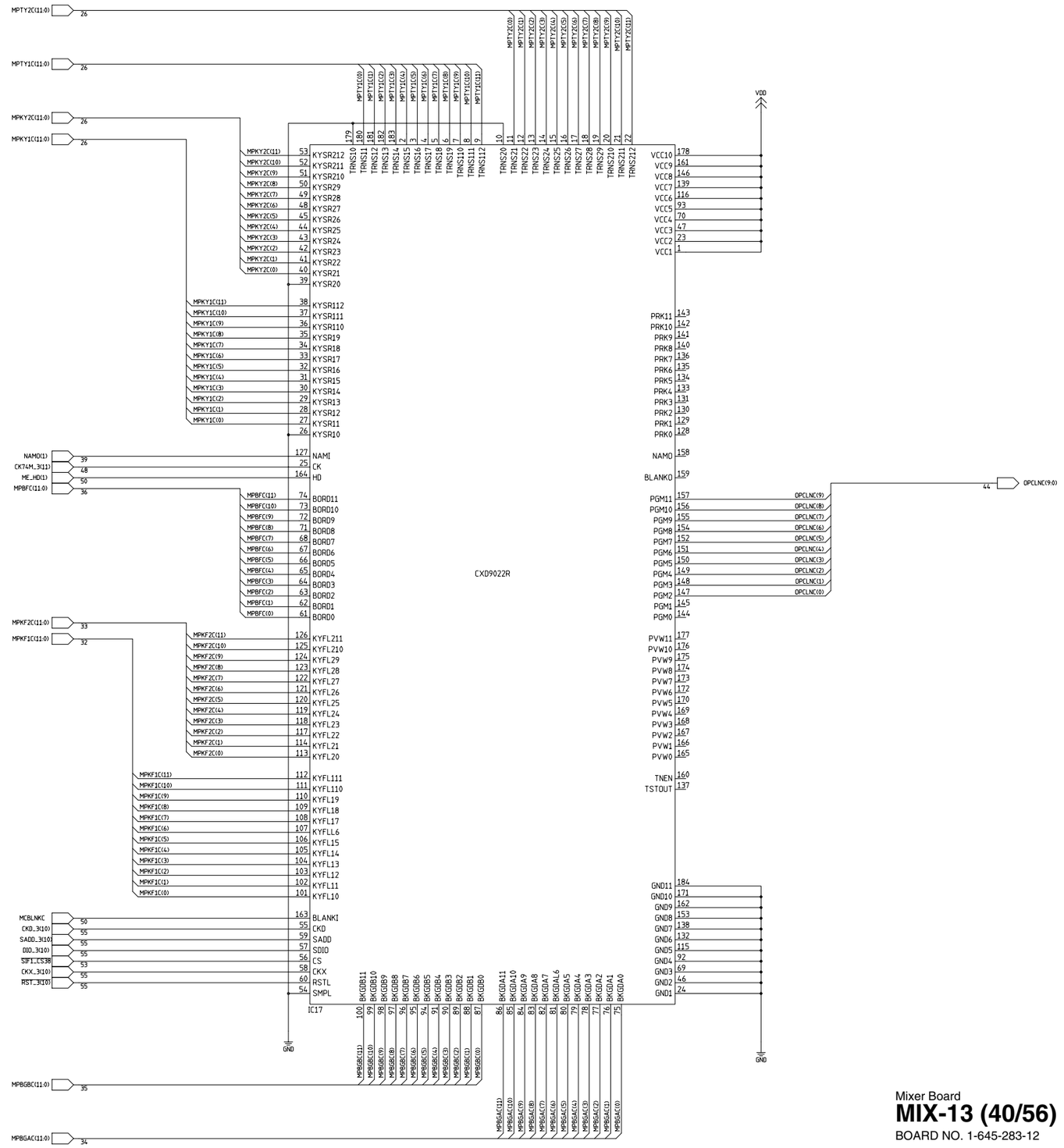
MIX-13 (39/56)



Mixer Board
MIX-13 (39/56)
BOARD NO. 1-645-283-12

HDS-7000

MIX-13 (40/56)



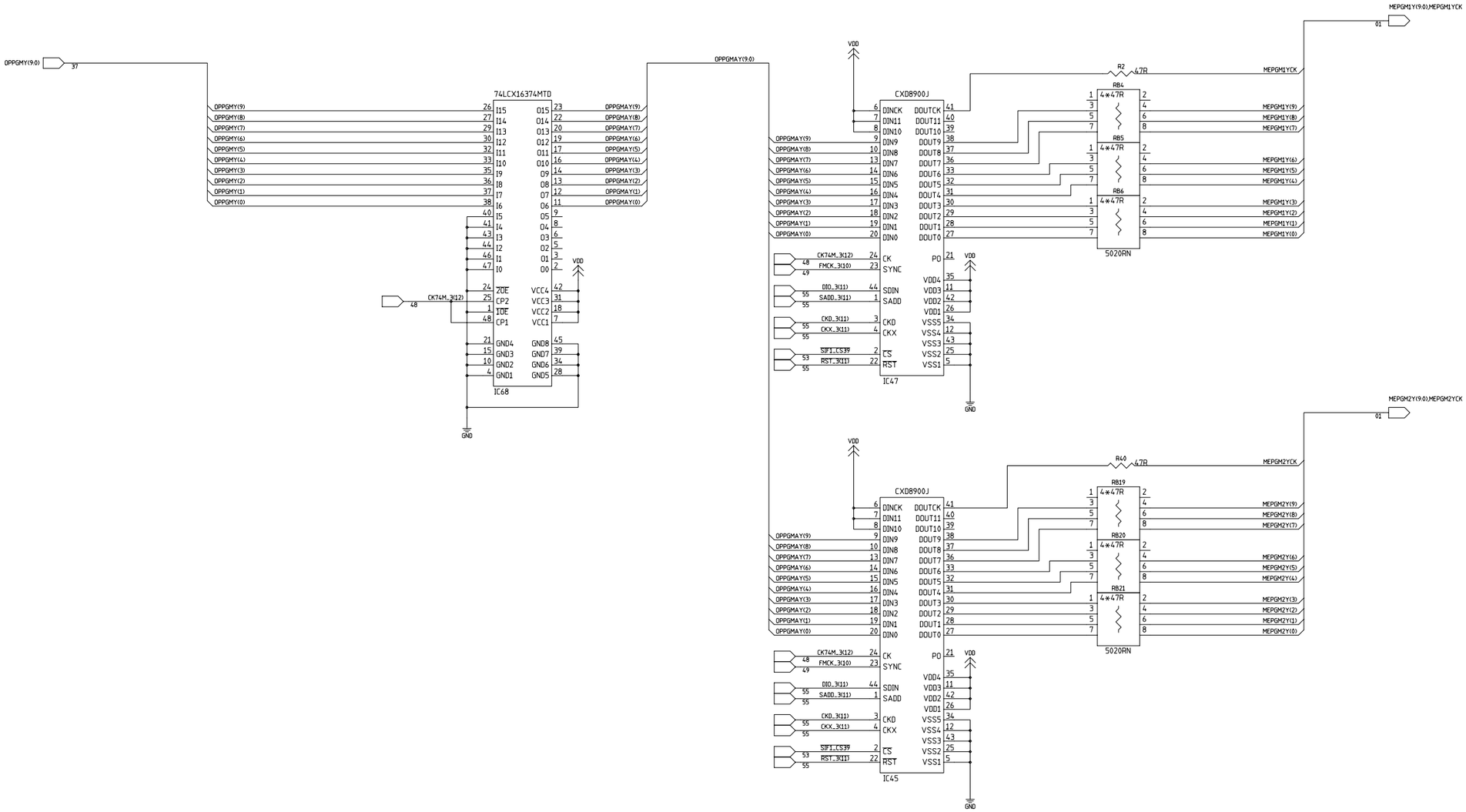
324

Mixer Board
MIX-13 (40/56)
BOARD NO. 1-645-283-12

HDS-7000

HDS-7000

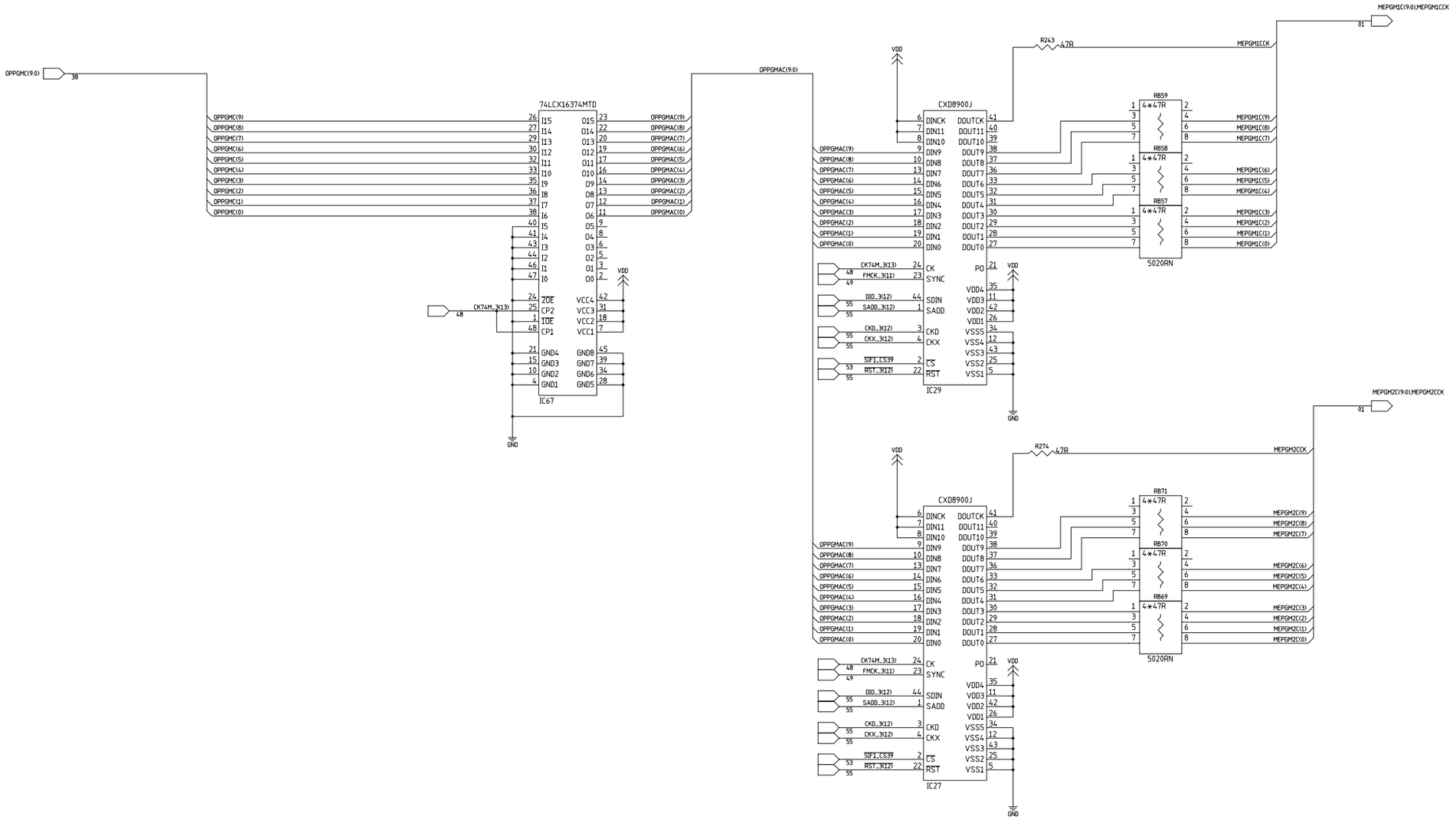
MIX-13 (41/56)



Mixer Board
MIX-13 (41/56)
BOARD NO. 1-645-283-12

HDS-7000

MIX-13 (42/56)



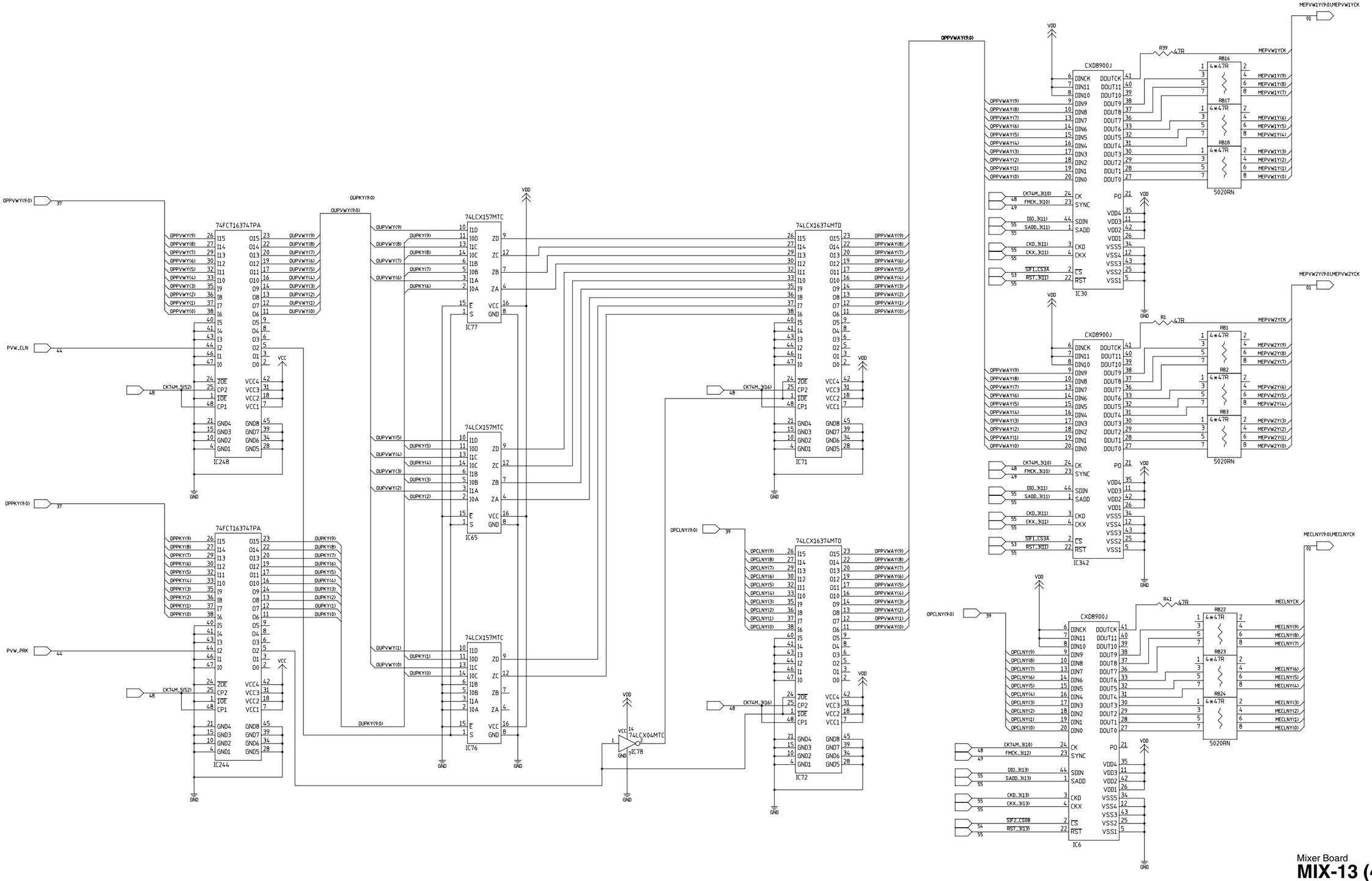
Mixer Board
MIX-13 (42/56)
BOARD NO. 1-645-283-12

HDS-7000

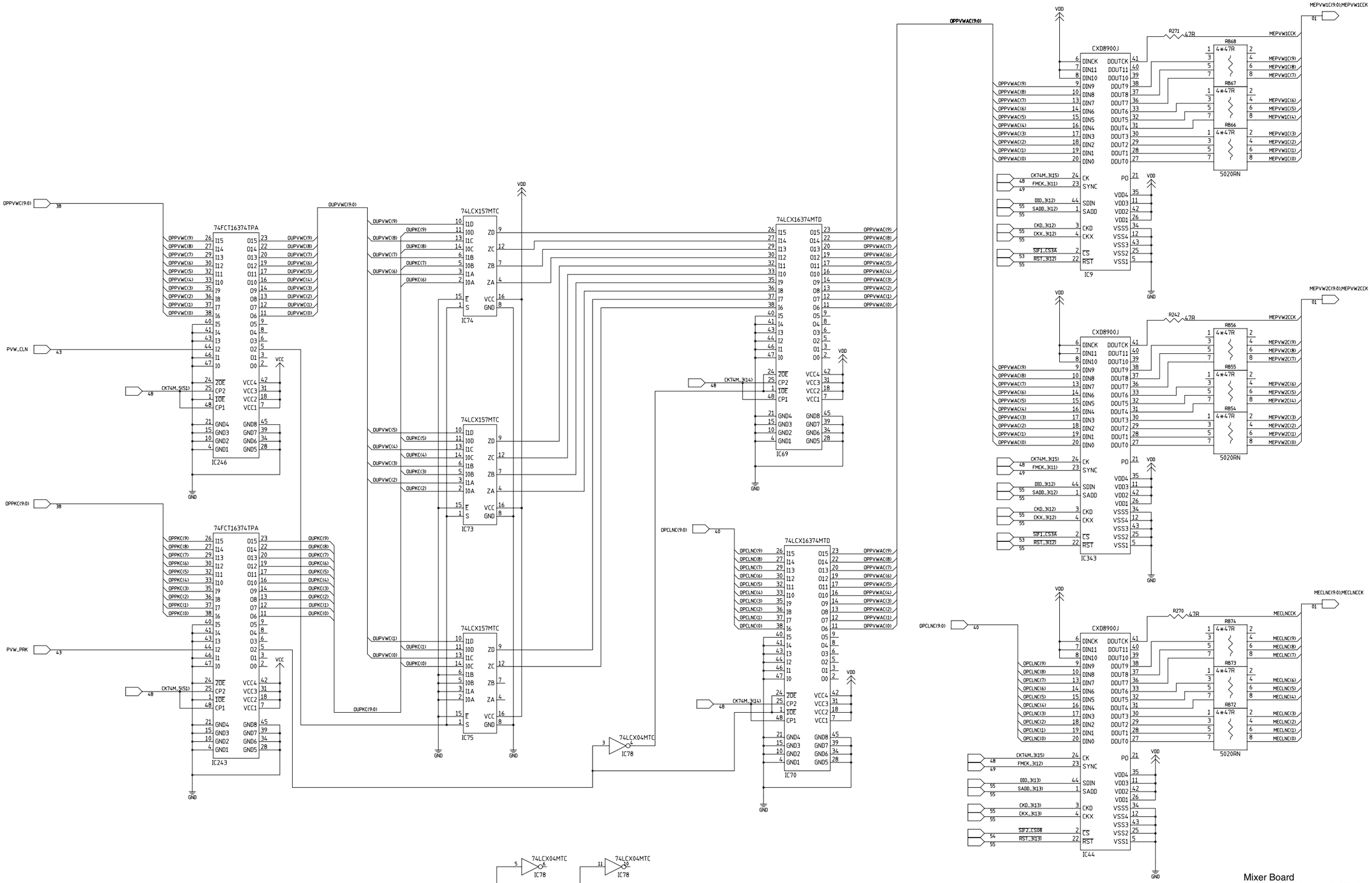
326

HDS-7000

MIX-13 (43/56)



Mixer Board
MIX-13 (43/56)
BOARD NO. 1-645-283-12



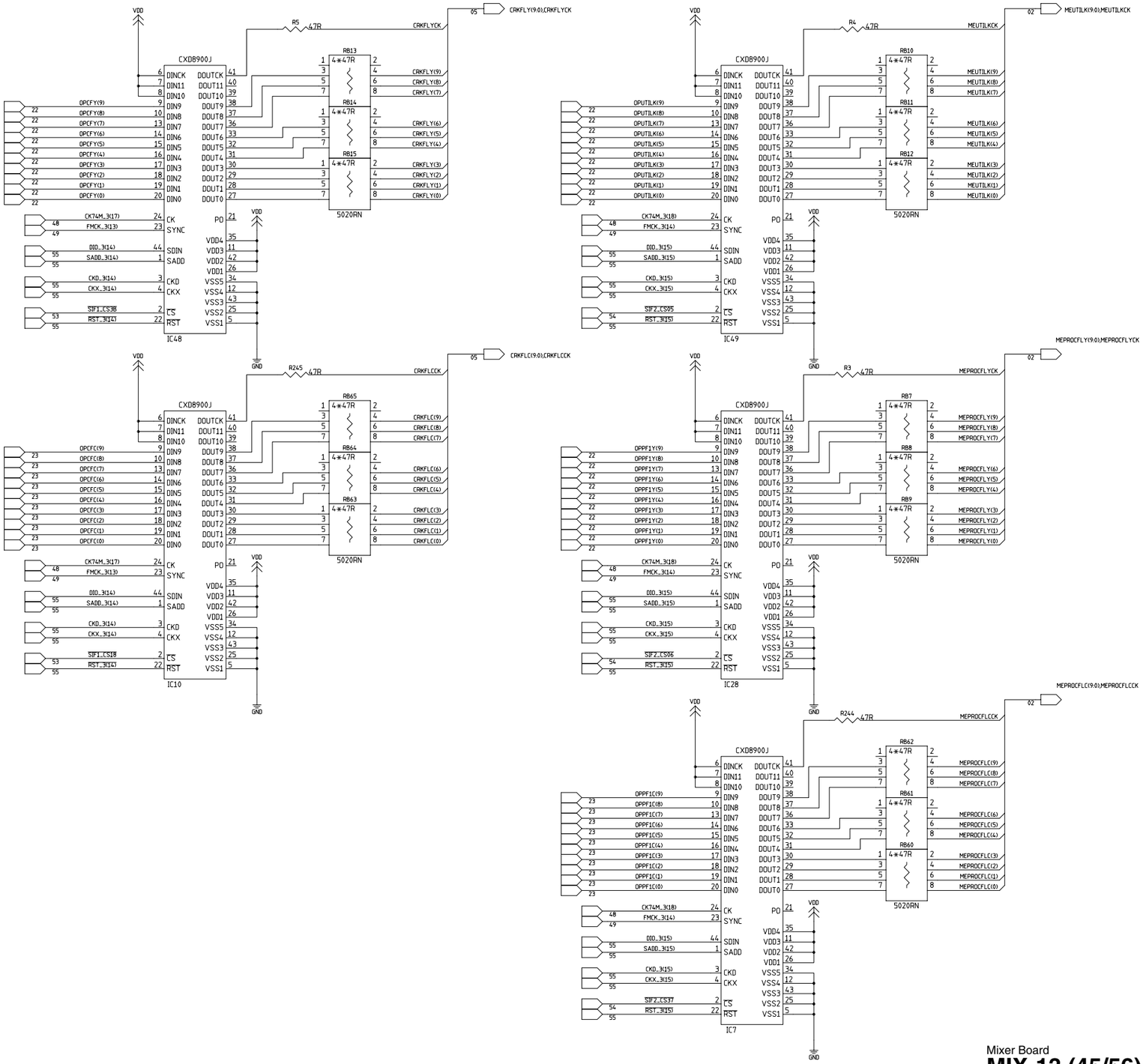
Mixer Board

MIX-13 (44/56)

BOARD NO. 1-645-283-12

HDS-7000

MIX-13 (45/56)

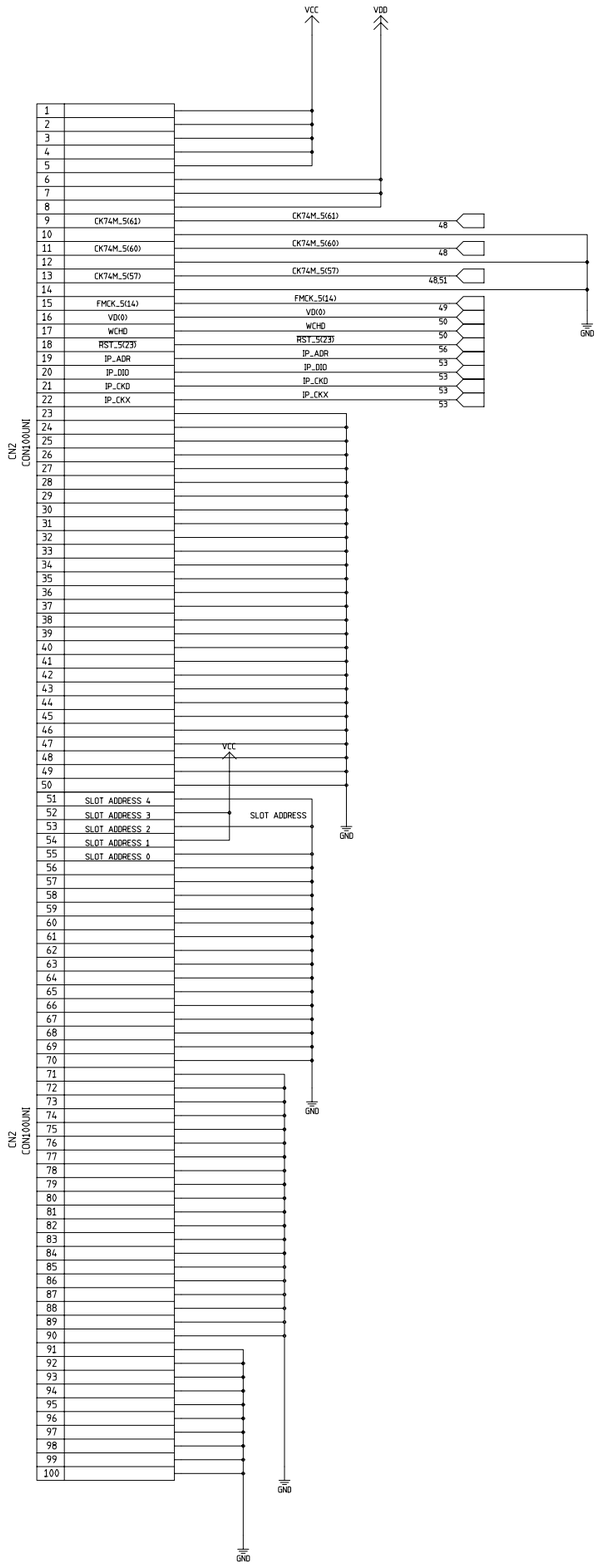


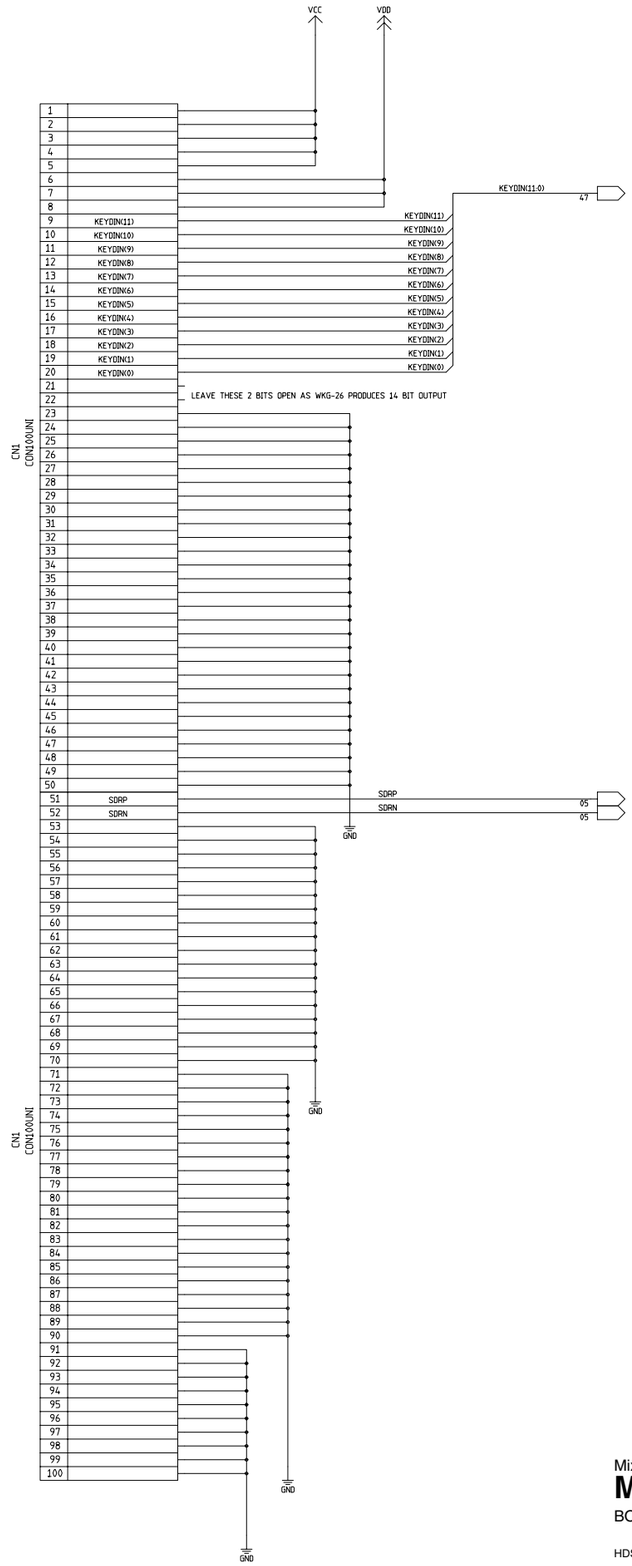
329

Mixer Board
MIX-13 (45/56)
BOARD NO. 1-645-283-12

HDS-7000

MIX-13 (46/56)



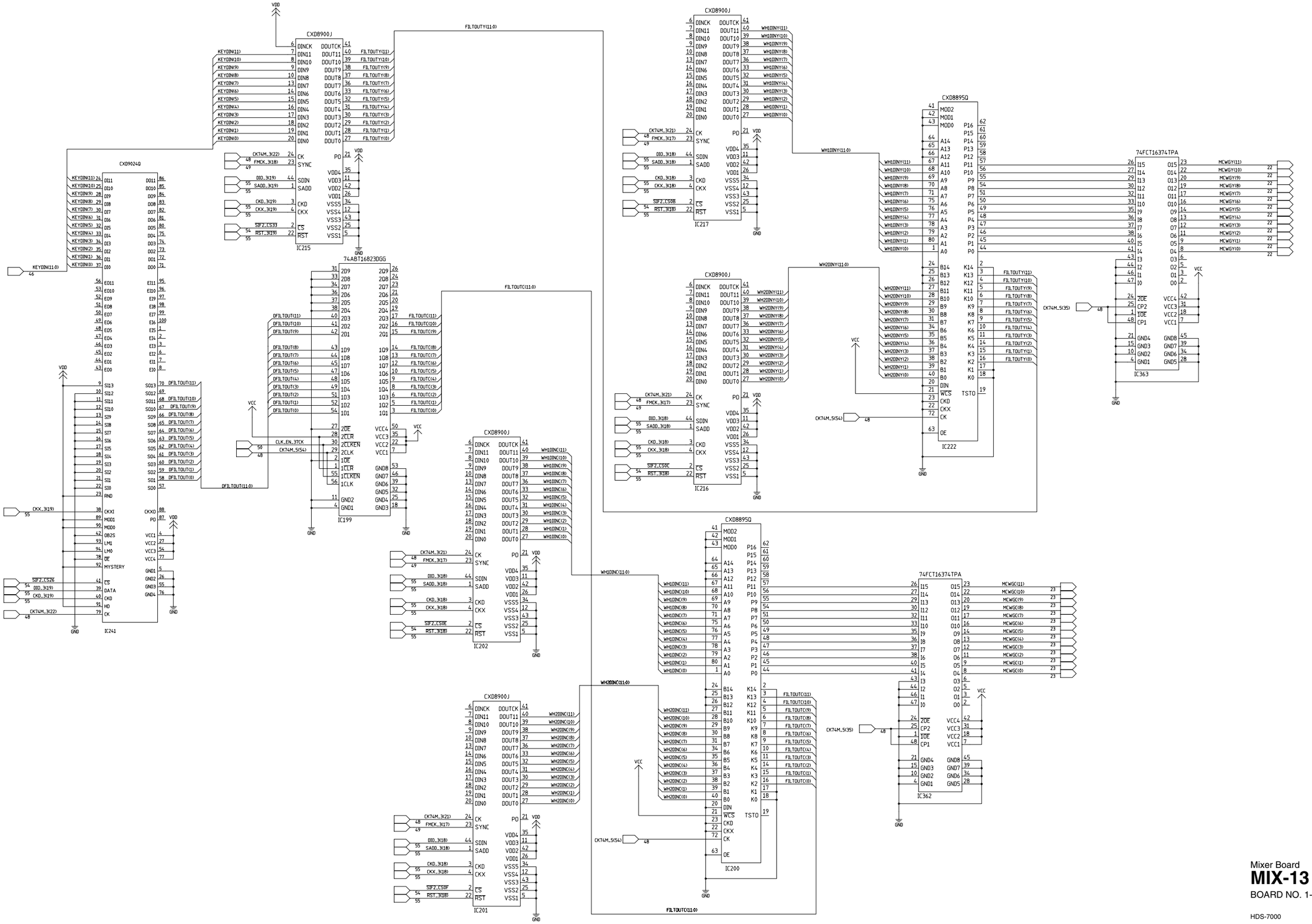


Mixer Board
MIX-13 (46/56)
BOARD NO. 1-645-283-12

HDS-7000

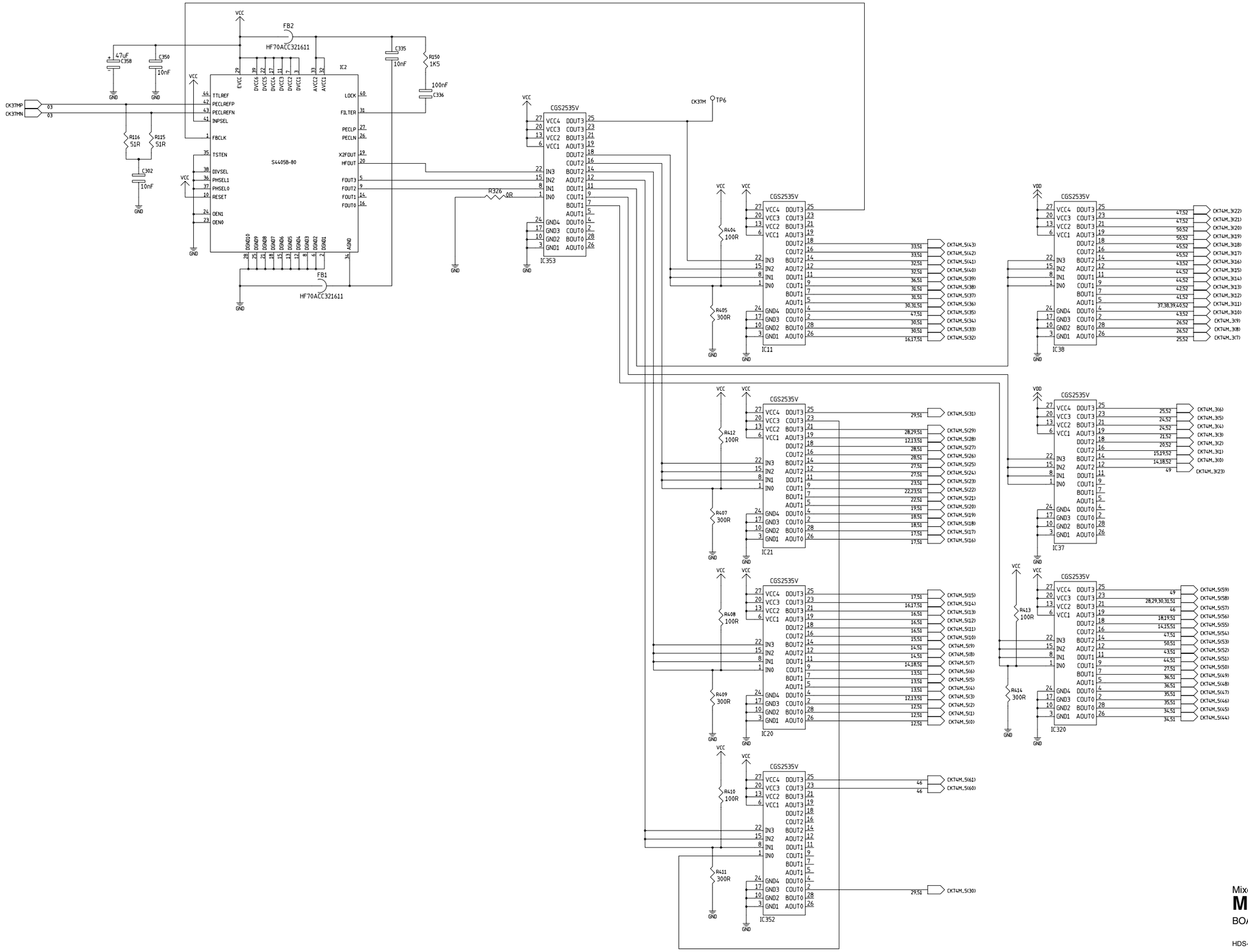
330
HDS-7000

MIX-13 (47/56)



Mixer Board
MIX-13 (47/56)
BOARD NO. 1-645-283-12

HDS-7000

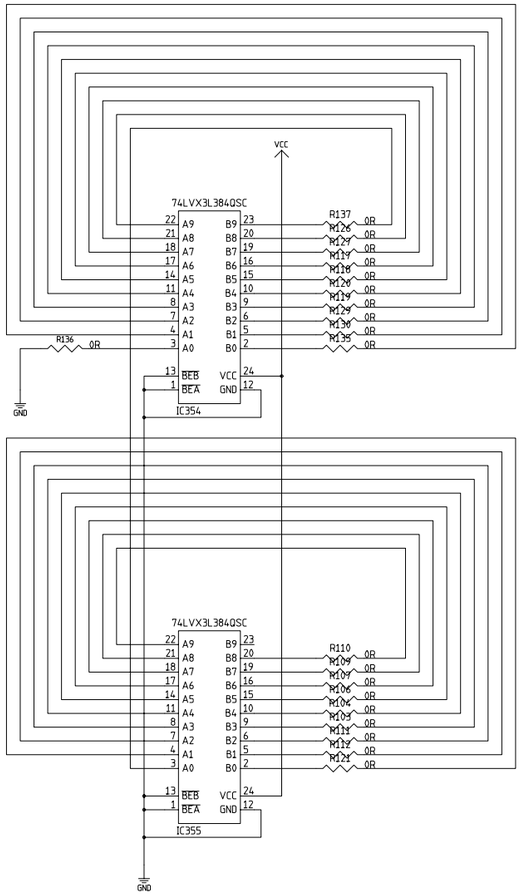


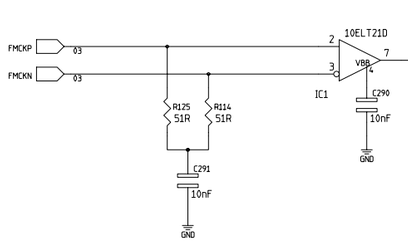
Mixer Board

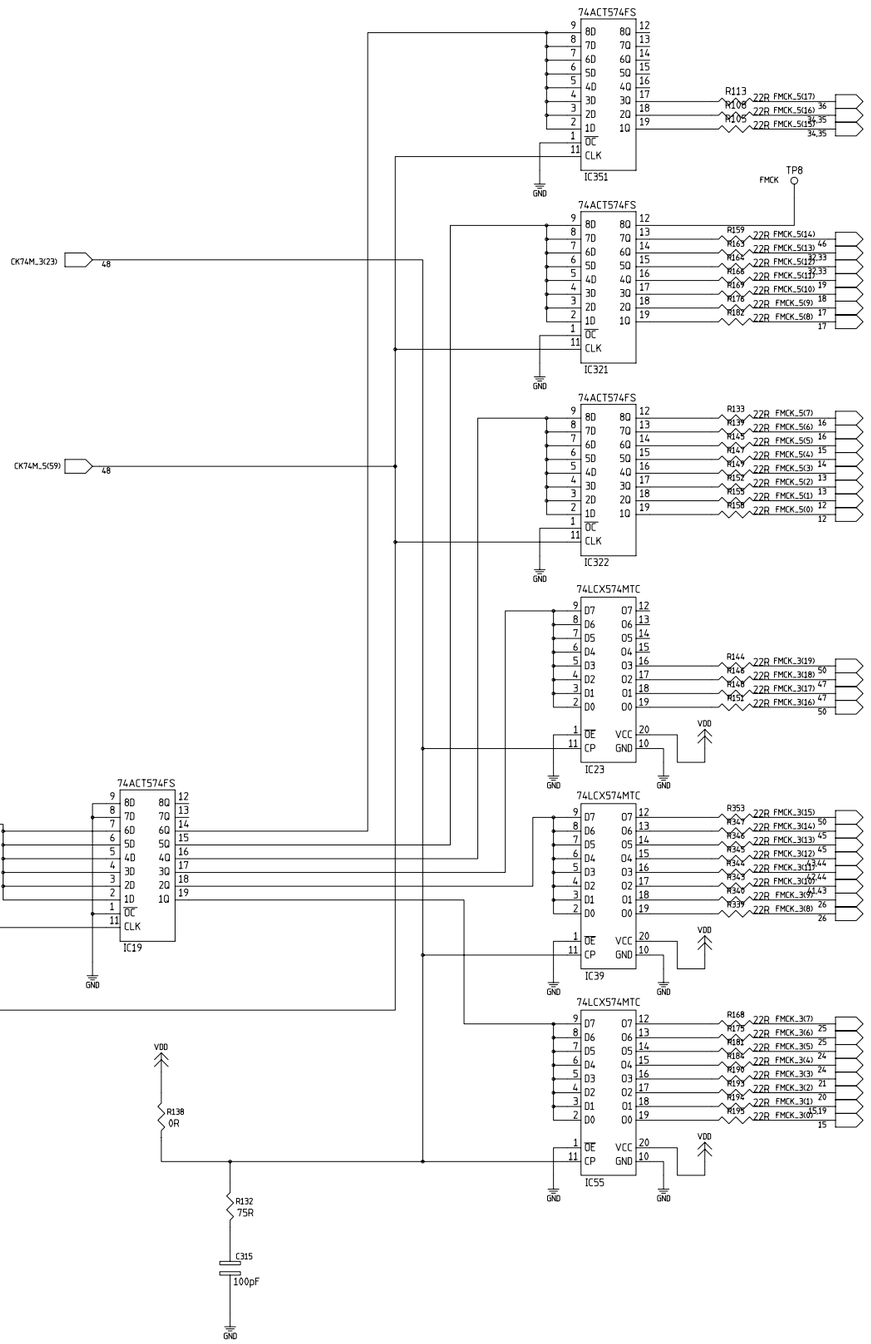
MIX-13 (48/56)

BOARD NO. 1-645-283-12

HDS-7000



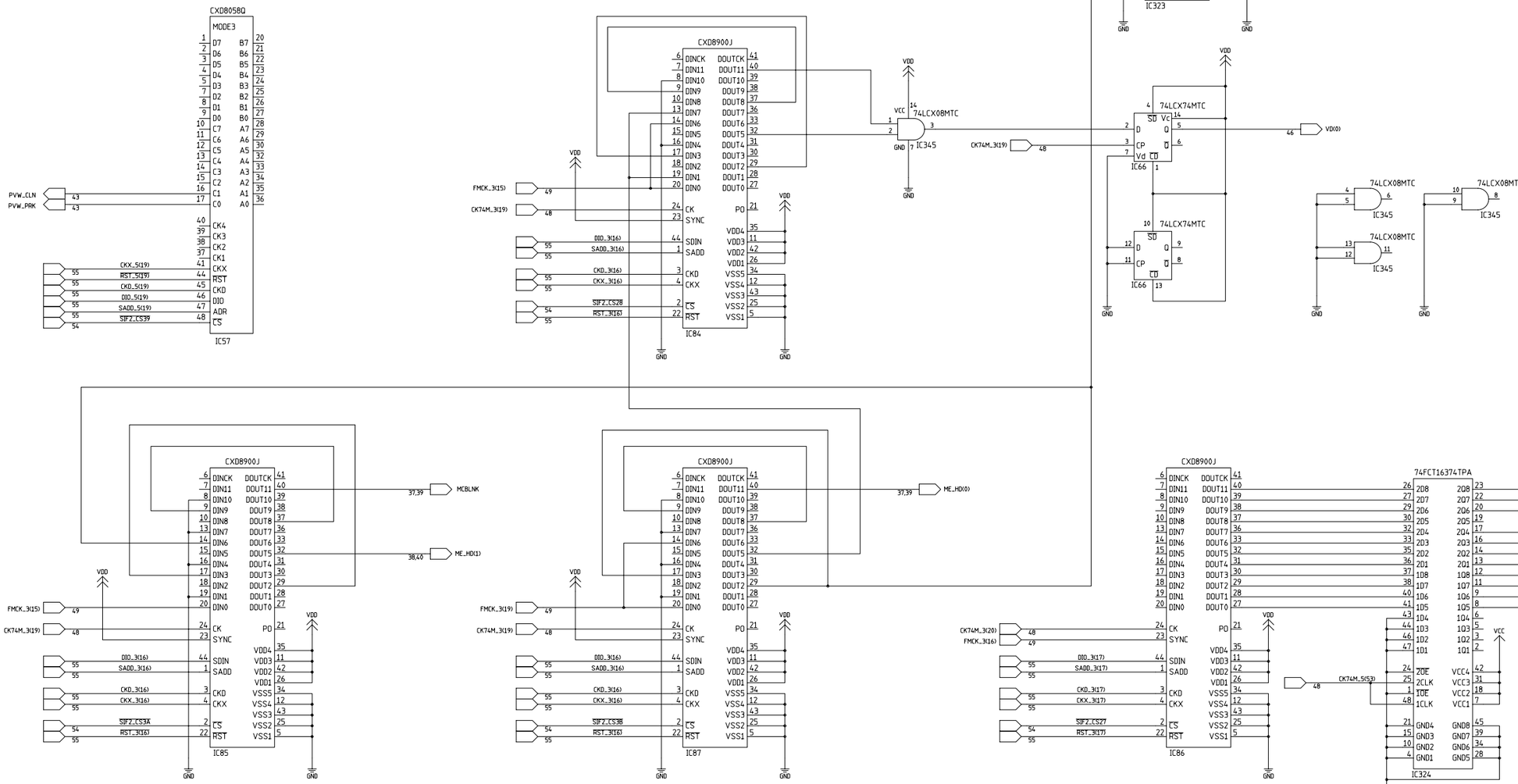




Mixer Board
MIX-13 (49/56)
BOARD NO. 1-645-283-12

HDS-7000

HDS-7000



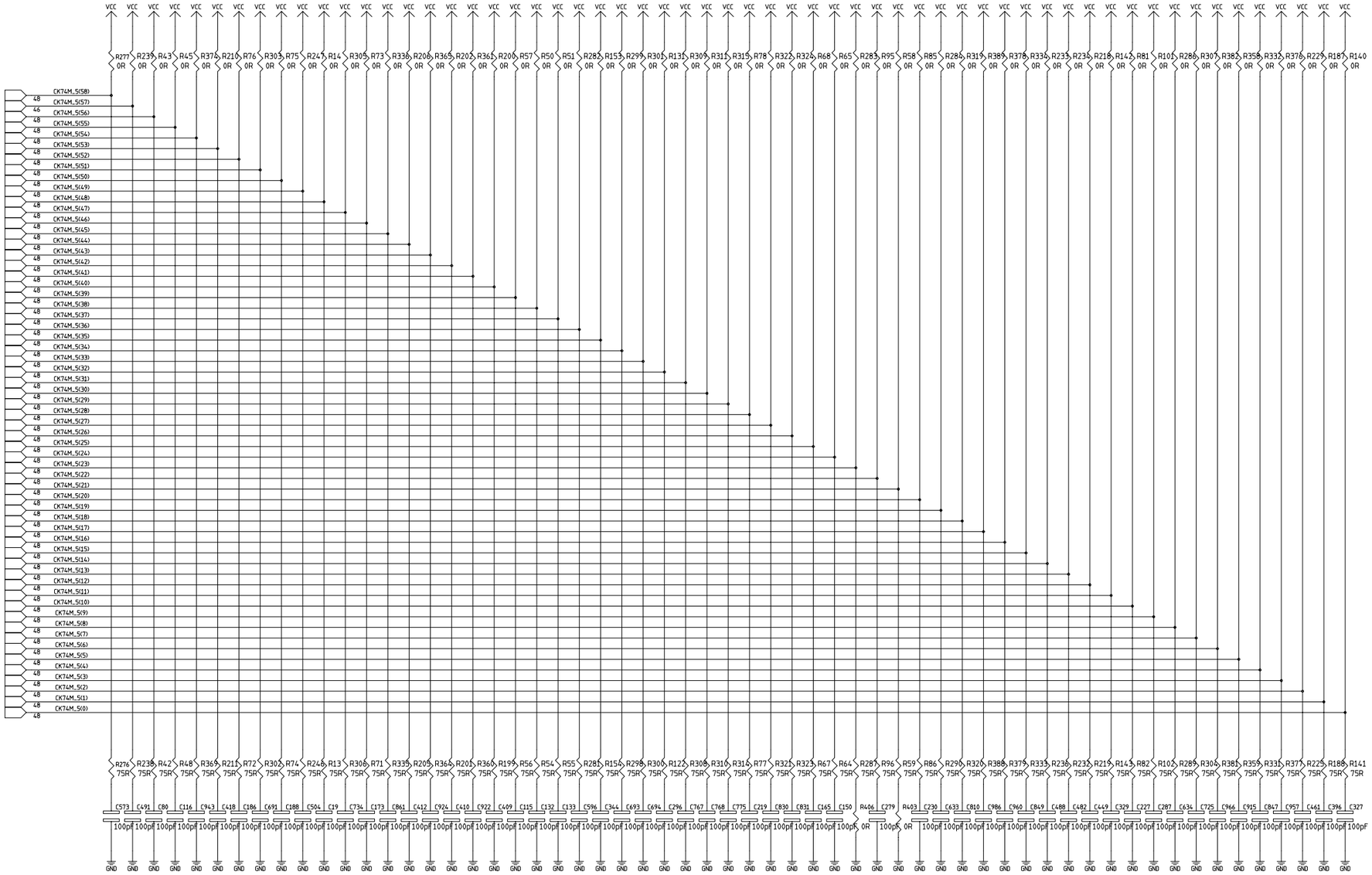
Mixer Board

MIX-13 (50/56)

BOARD NO. 1-645-283-12

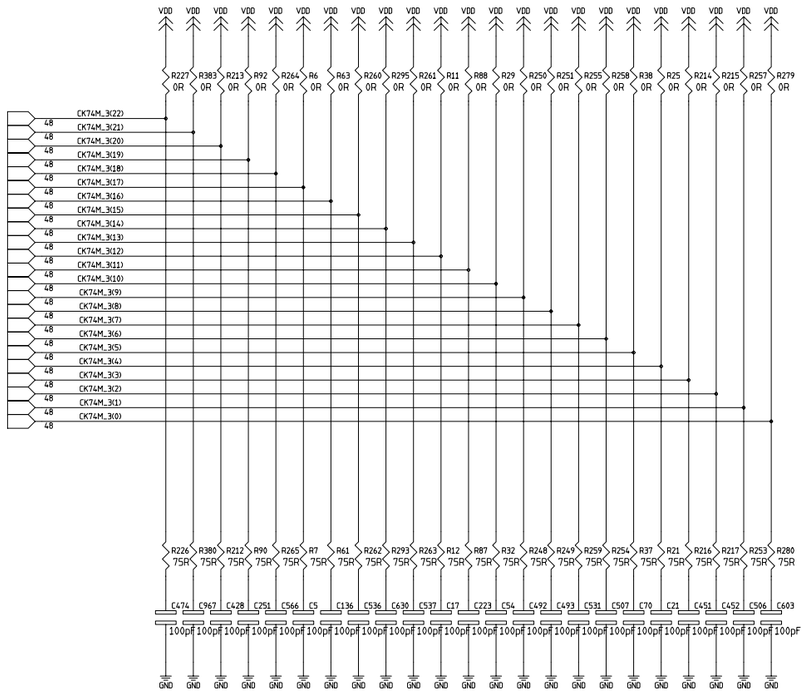
HDS-7000

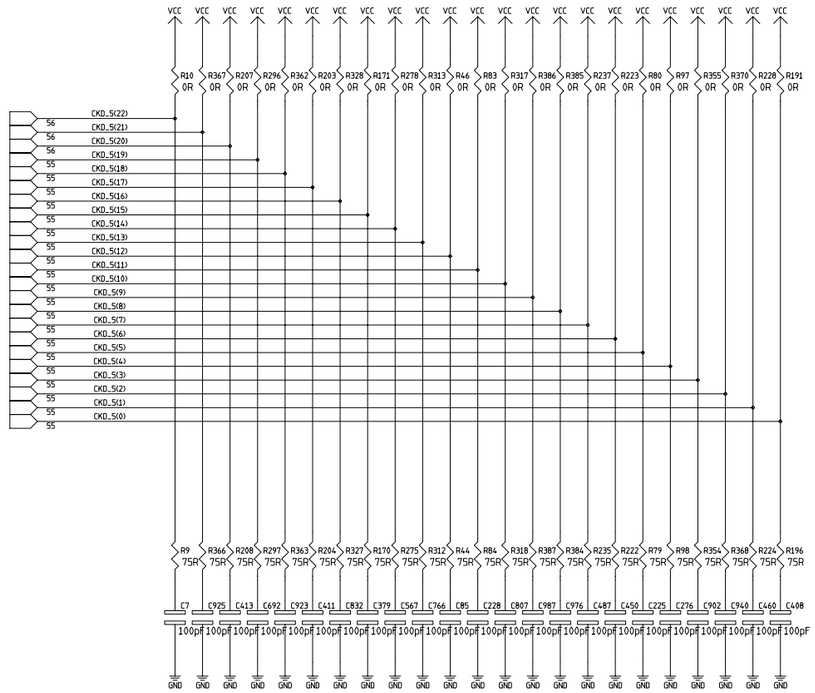
MIX-13 (51/56)

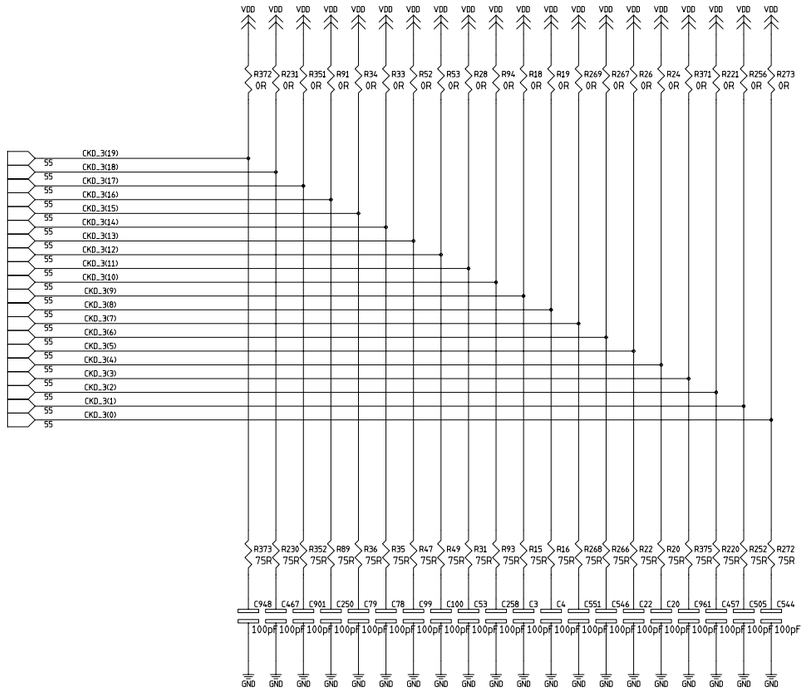


Mixer Board
MIX-13 (51/56)
BOARD NO. 1-645-283-12

HDS-7000



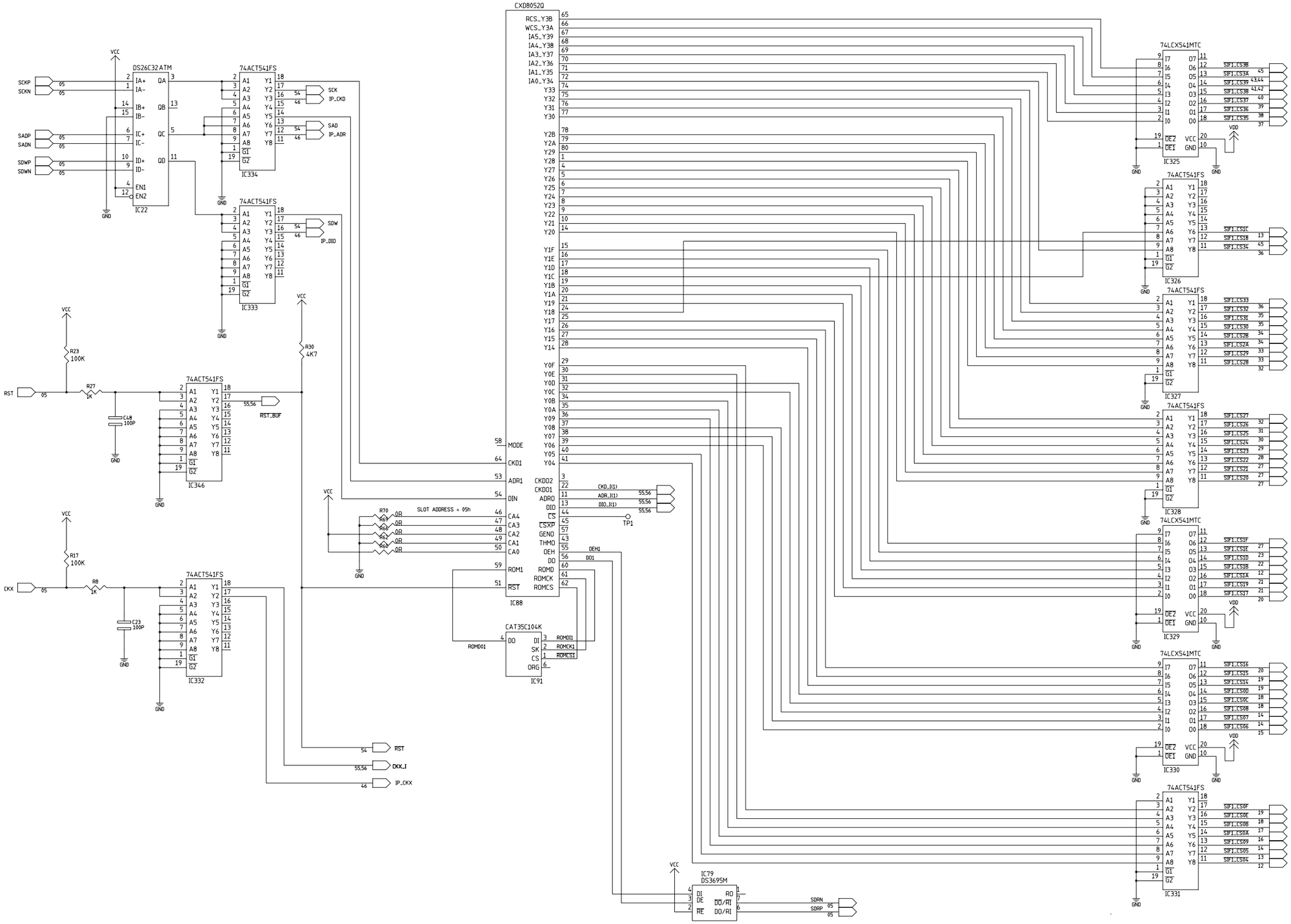




Mixer Board
MIX-13 (52/56)
BOARD NO. 1-645-283-12

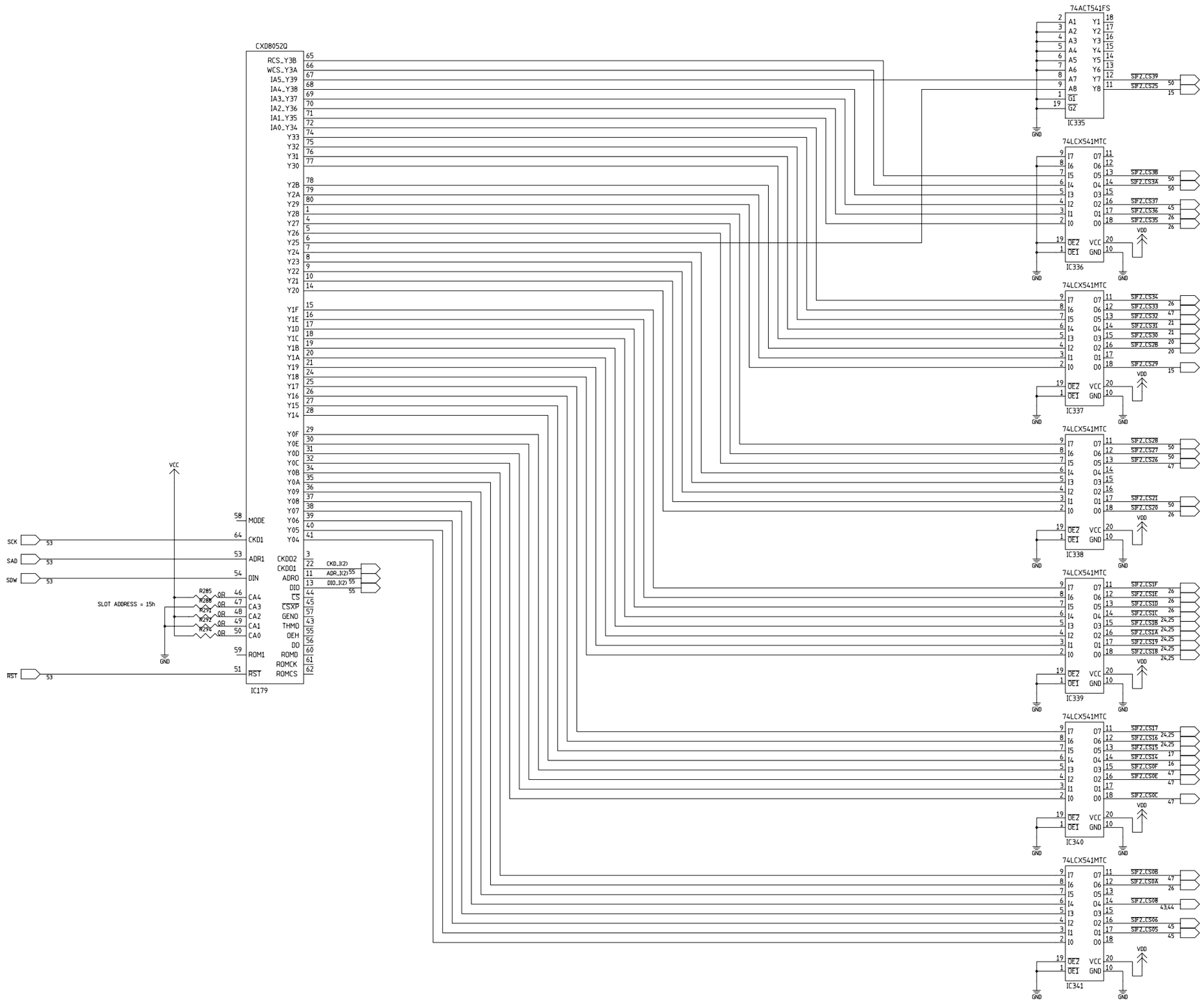
HDS-7000

MIX-13 (53/56)



Mixer Board
MIX-13 (53/56)
BOARD NO. 1-645-283-12

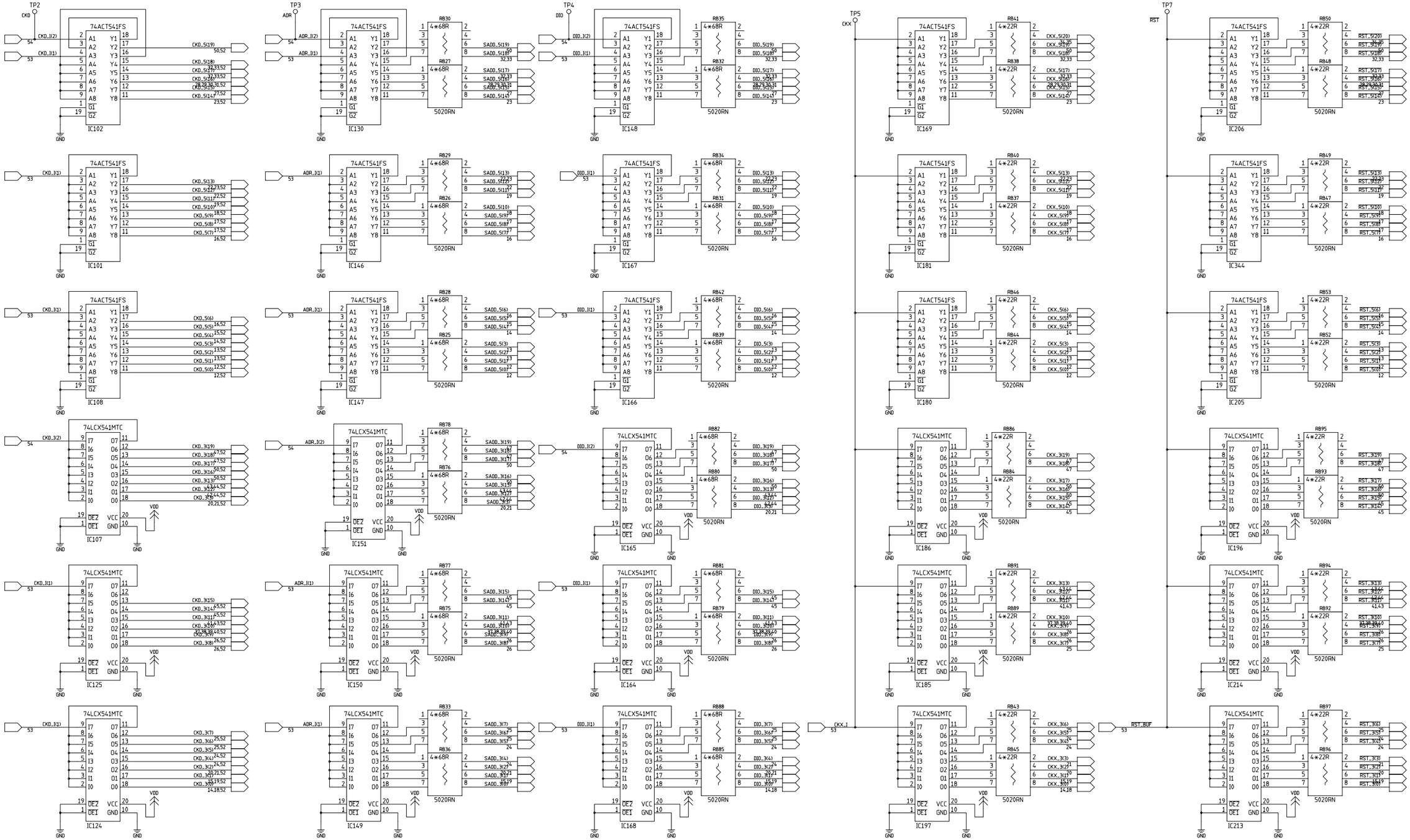
HDS-7000



Mixer Board
MIX-13 (54/56)
BOARD NO. 1-645-283-12

HDS-7000

MIX-13 (55/56)

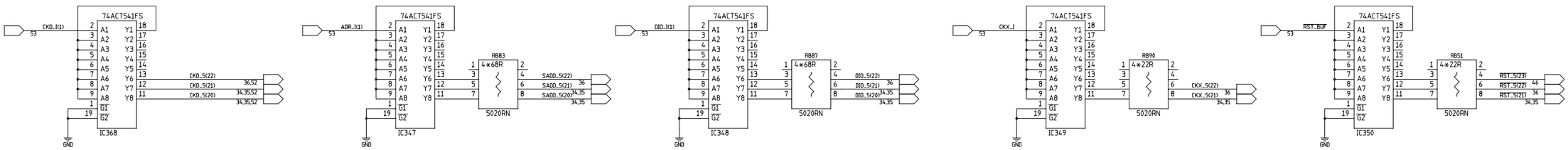


Mixer Board
MIX-13 (55/56)
BOARD NO. 1-645-283-12

HDS-7000

339
HDS-7000

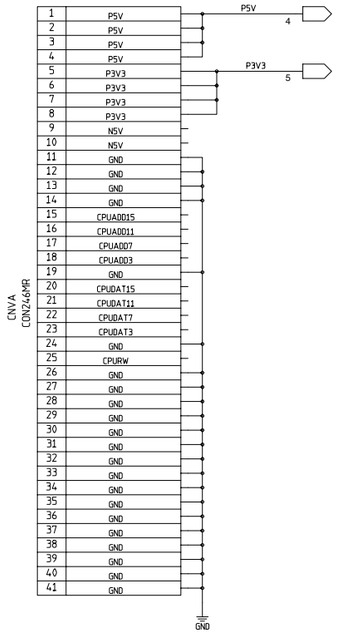
MIX-13 (56/56)

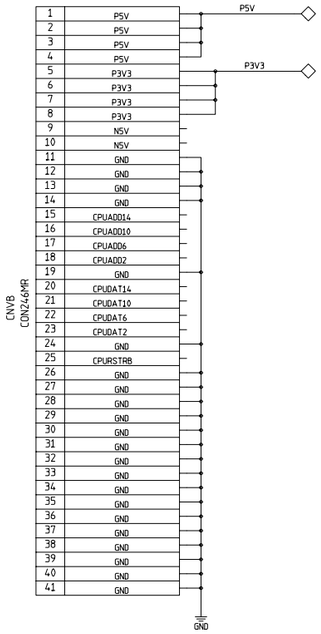


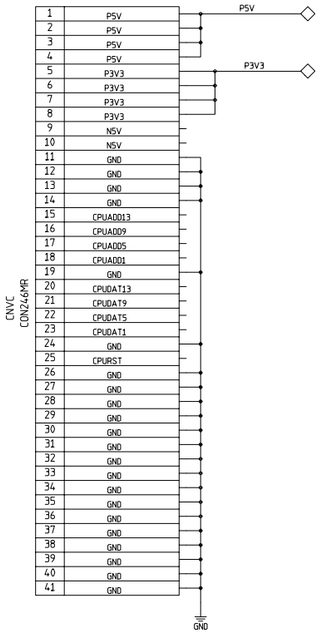
Mixer Board
MIX-13 (56/56)
BOARD NO. 1-645-283-12

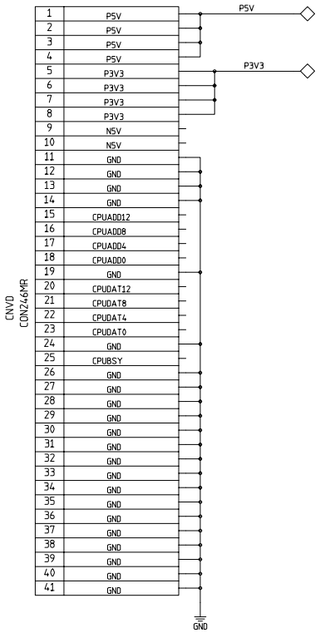
HDS-7000

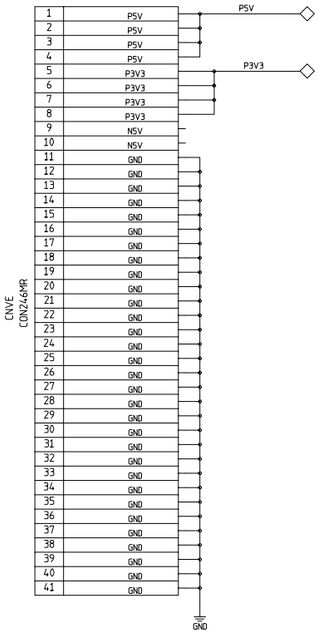
340
HDS-7000

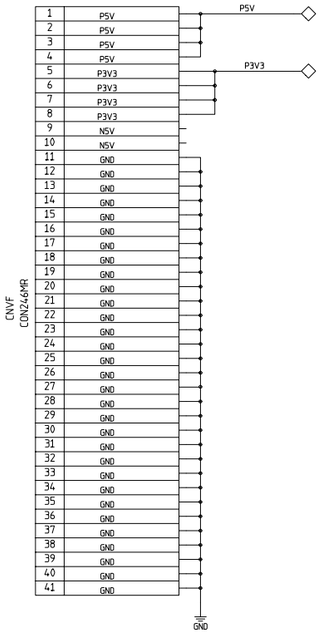


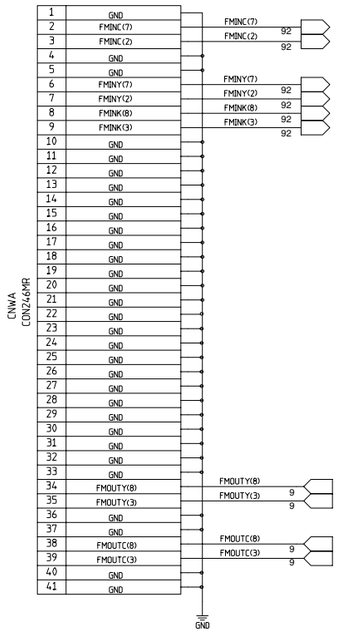


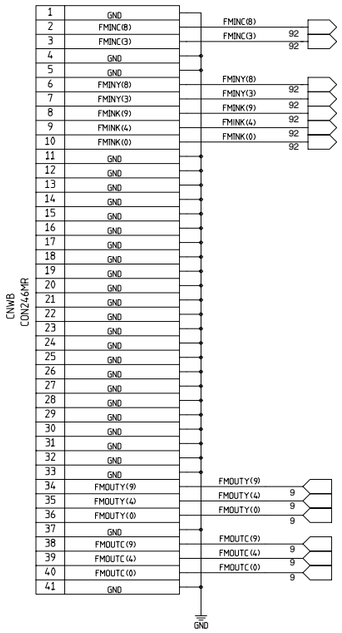


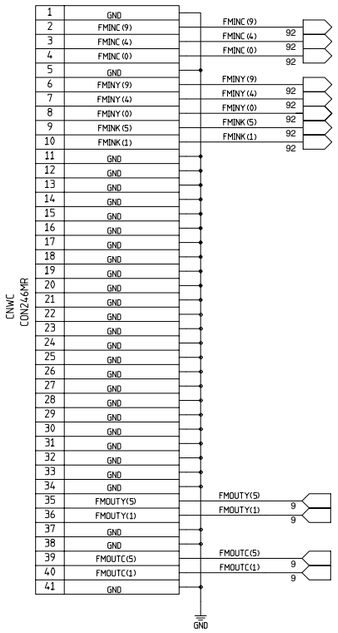


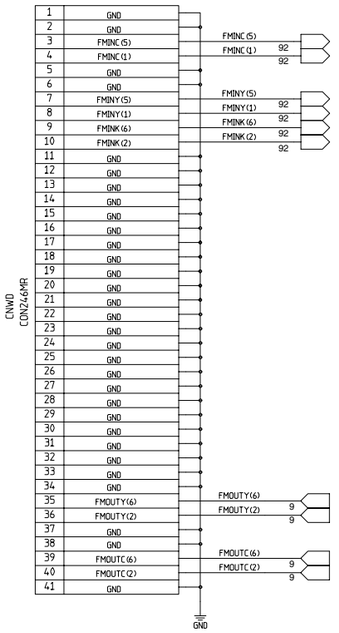


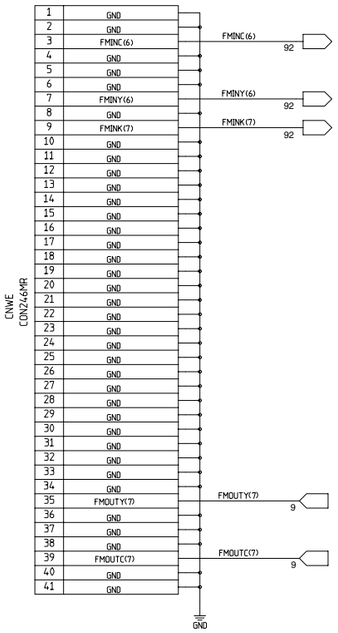


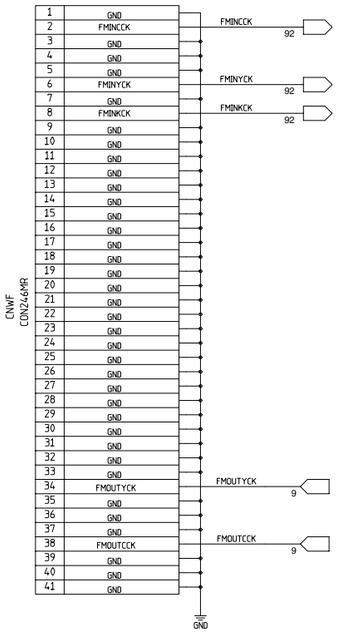










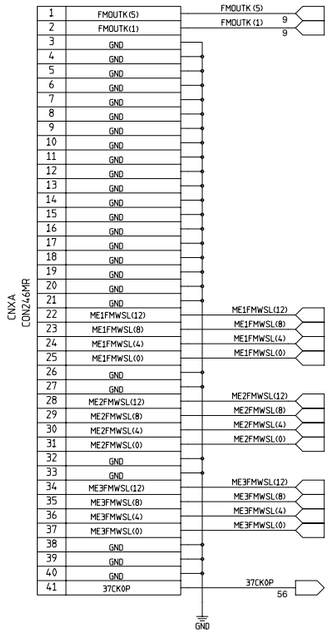


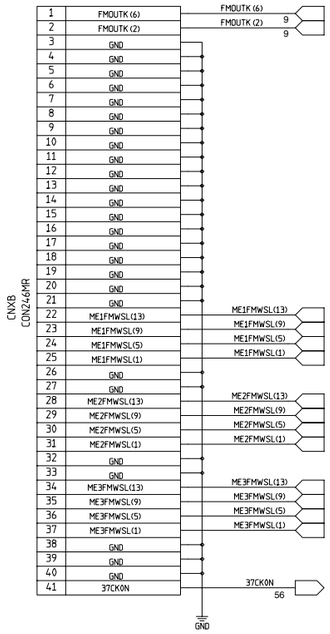
Frame Memory Board
MY-65 (1/92)
BOARD NO. 1-673-475-13

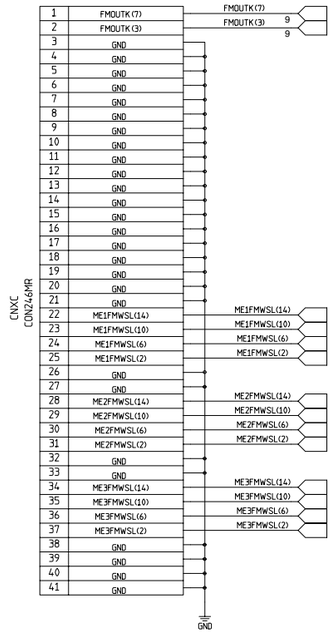
HKDS-7041

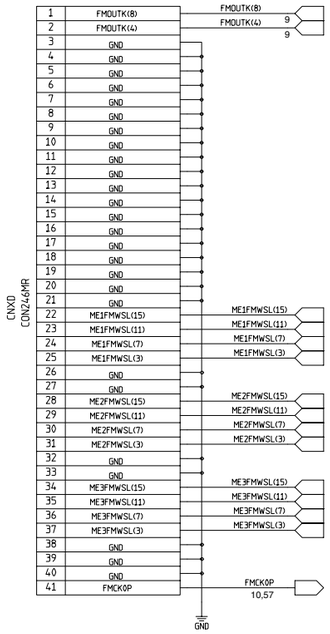
HDS-7000

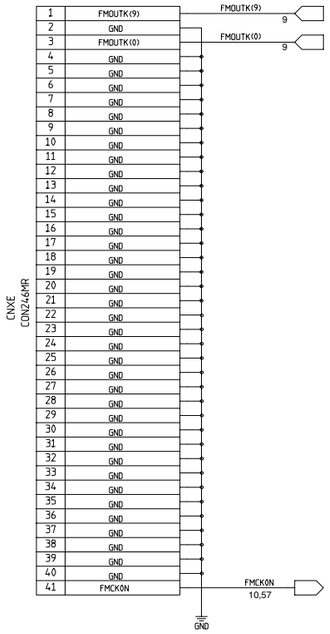
MY-65 (2/92)

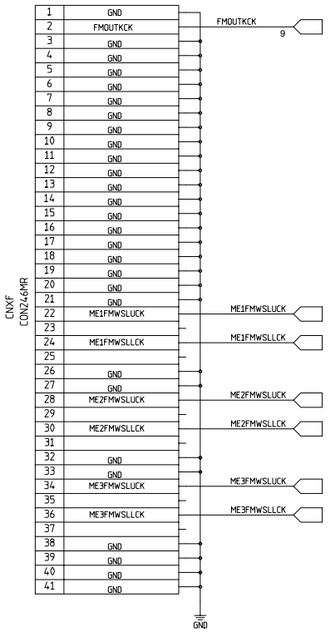


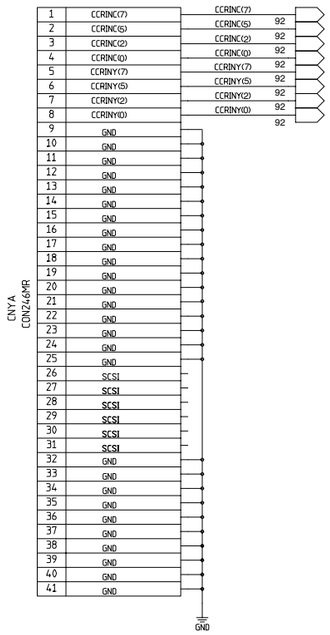


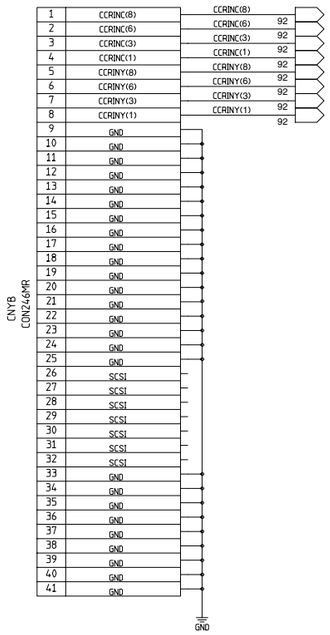


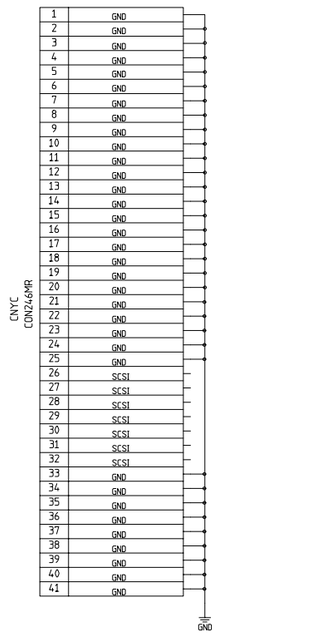


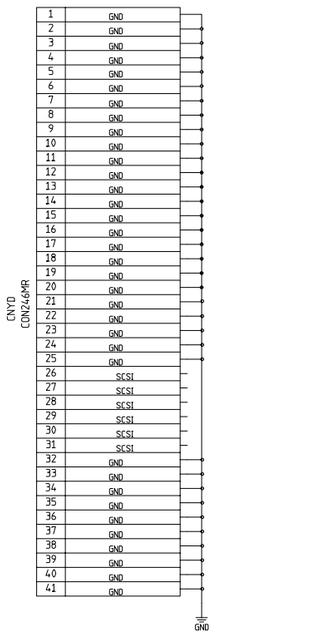


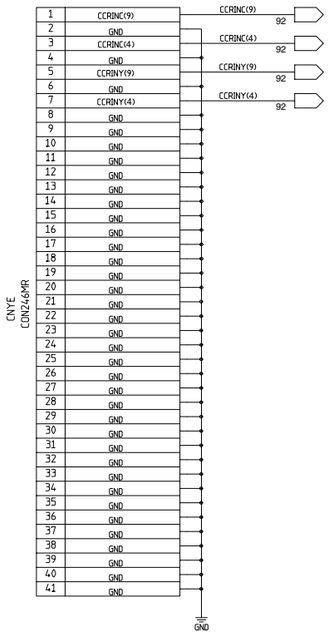


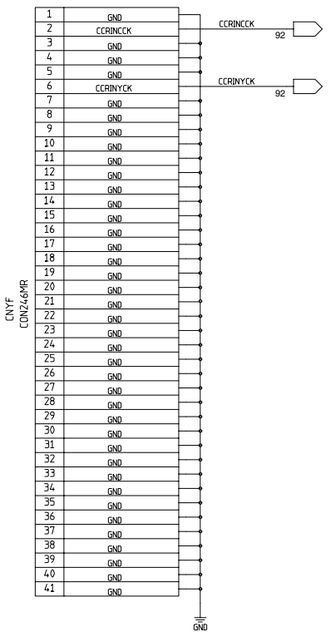












Frame Memory Board

MY-65 (2/92)

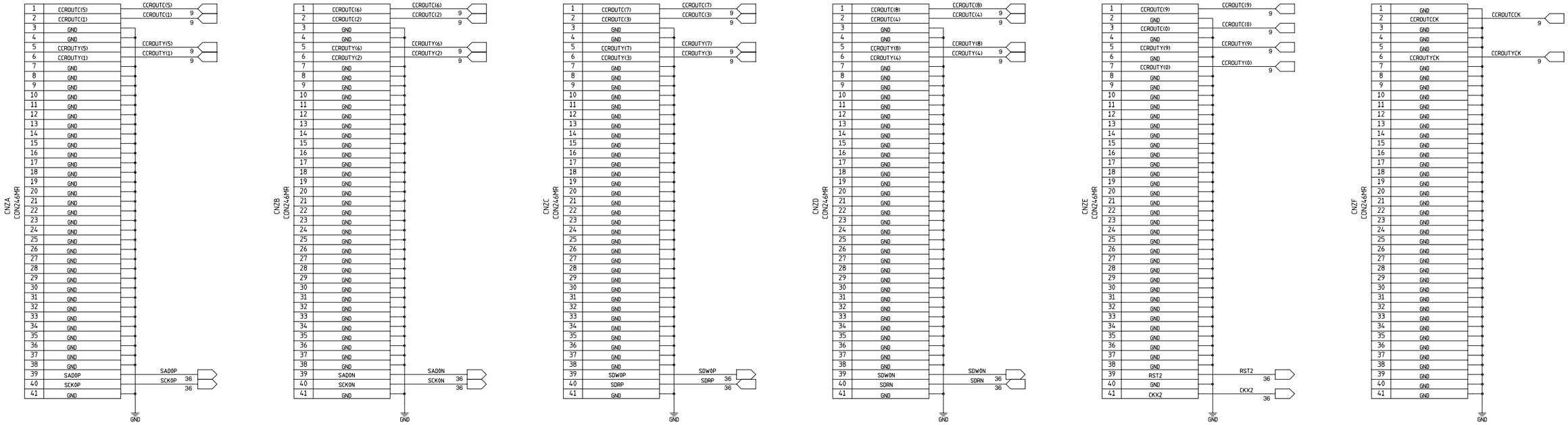
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

342

MY-65 (3/92)



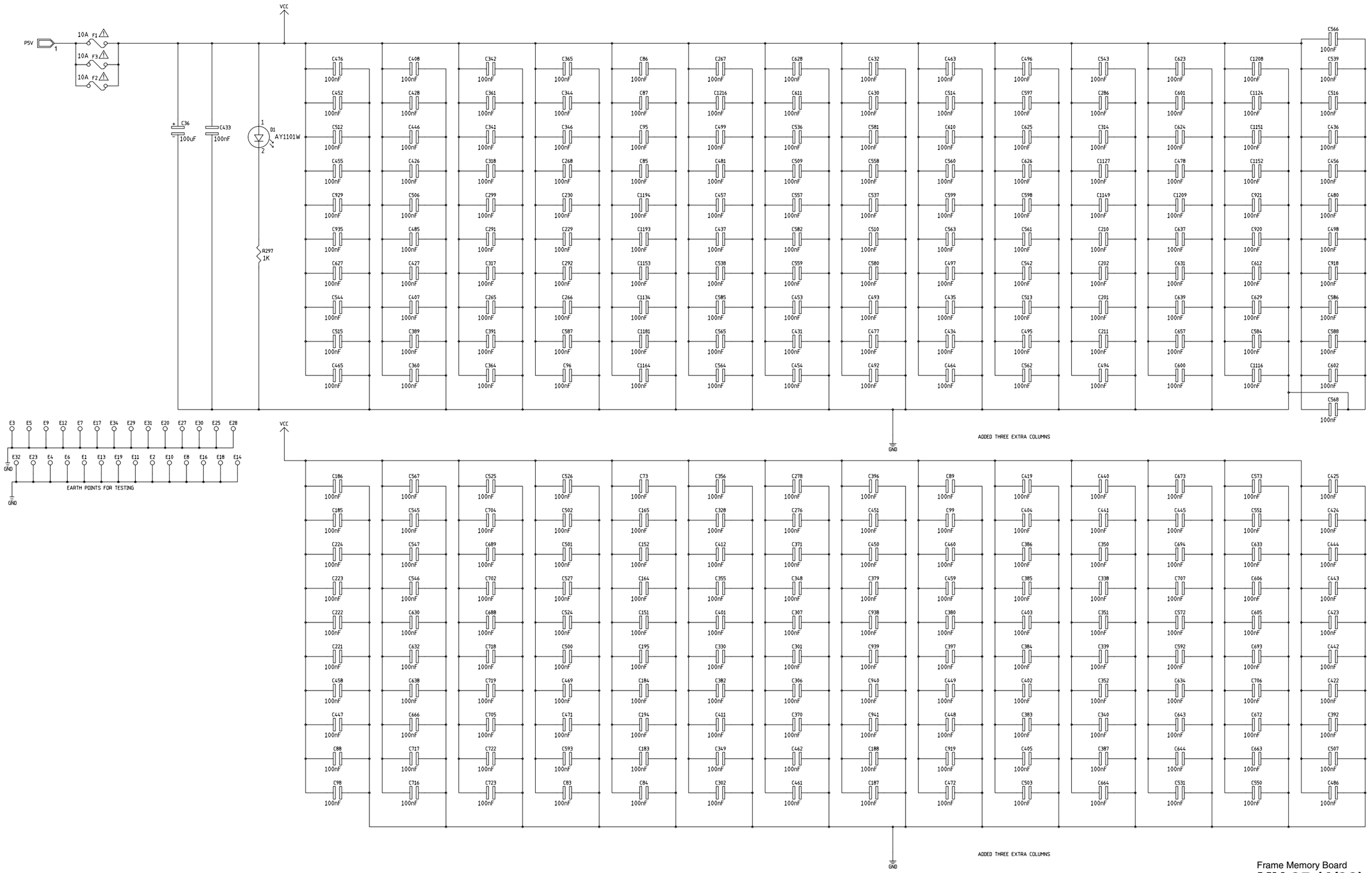
Frame Memory Board
MY-65 (3/92)
BOARD NO. 1-673-475-13

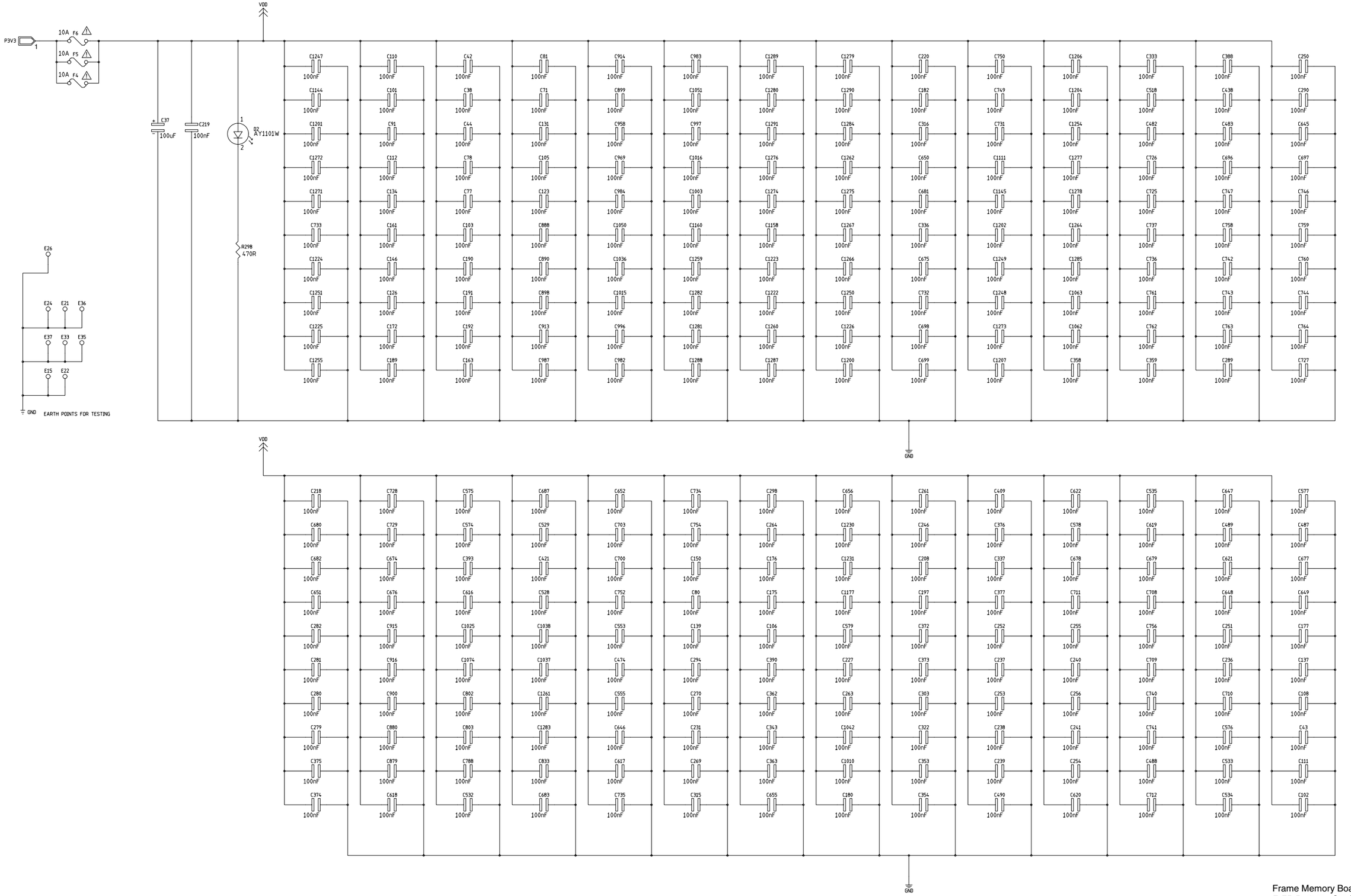
HKDS-7041

HDS-7000

343 343

MY-65 (4/92)


PSV
10A F1
10A F3
10A F2
VCC
C36 100uF
C433 100nF
D1 AY1101W
R297 1K
E3 E5 E9 E12 E7 E17 E34 E29 E31 E20 E27 E30 E25 E28
E32 E23 E4 E6 E1 E13 E19 E11 E2 E10 E8 E16 E18 E14
GND
EARTH POINTS FOR TESTING
ADDED THREE EXTRA COLUMNS
ADDED THREE EXTRA COLUMNS
Frame Memory Board
MY-65 (4/92)
BOARD NO. 1-673-475-13
HKDS-7041
HDS-7000



Frame Memory Board

MY-65 (5/92)

BOARD NO. 1-673-475-13

HKDS-7041

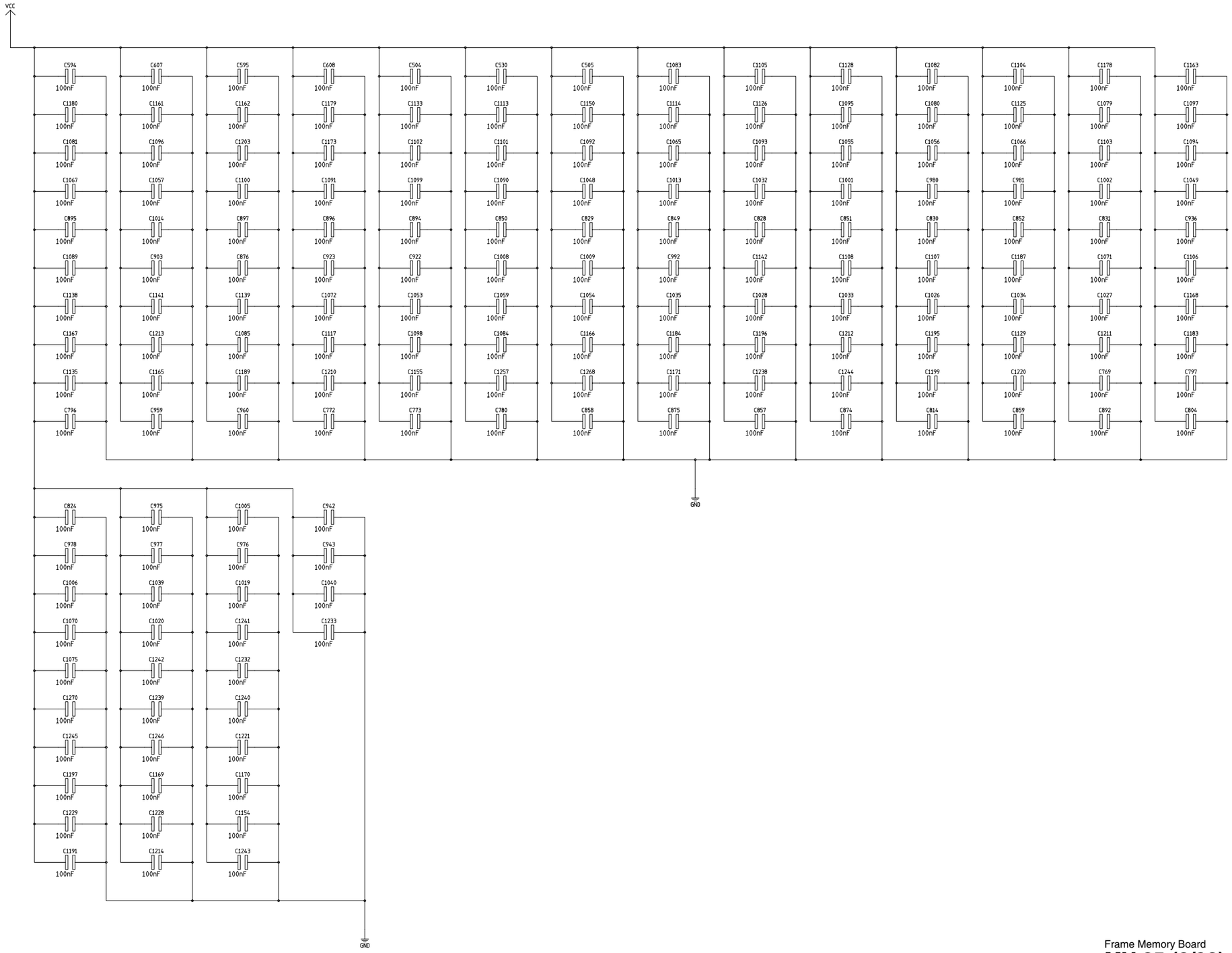
HDS-7000

345 345

A B C D E F G H

1 2 3 4 5

MY-65 (6/92)

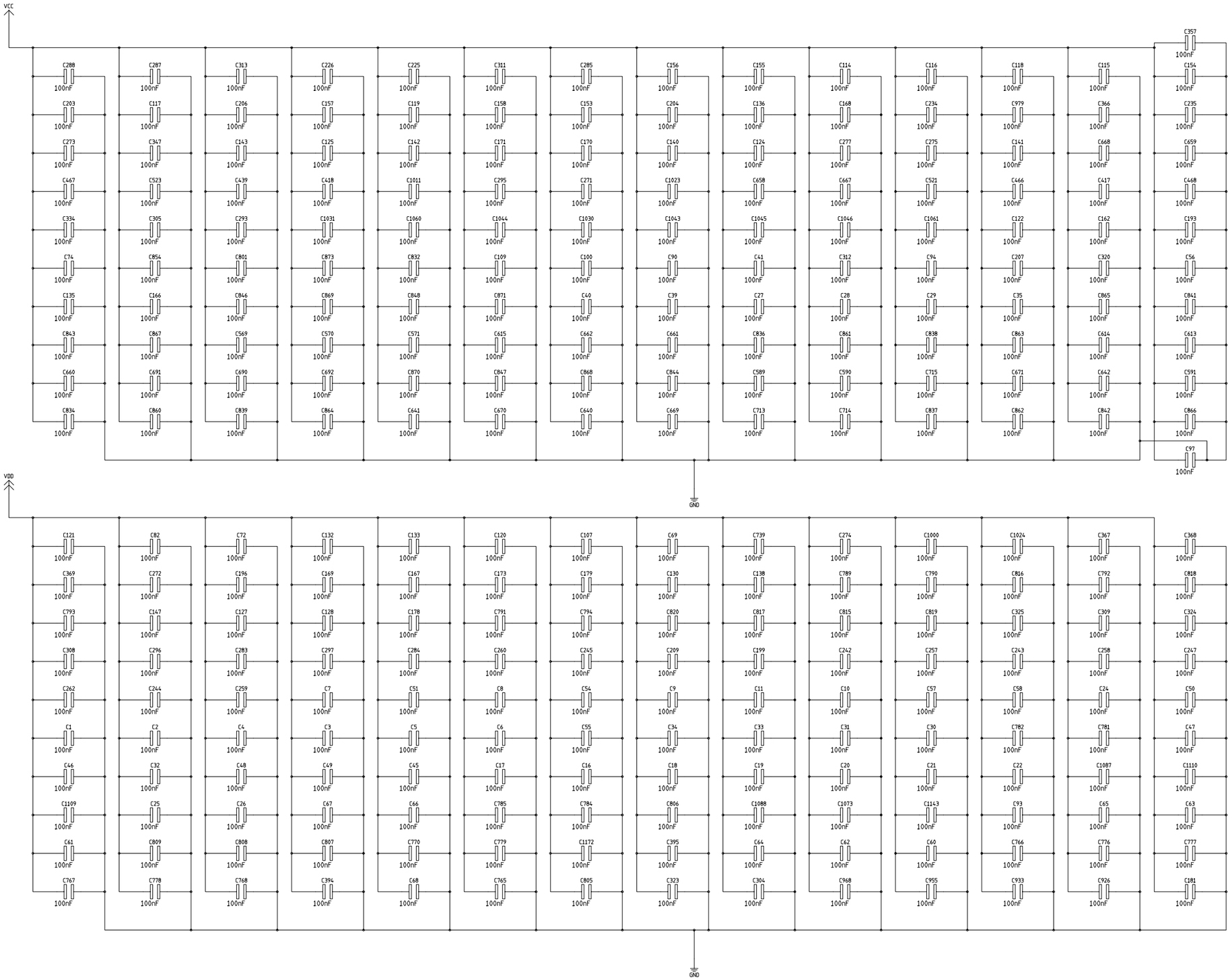


Frame Memory Board
MY-65 (6/92)
BOARD NO. 1-673-475-13

HKDS-7041

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HDS-7000

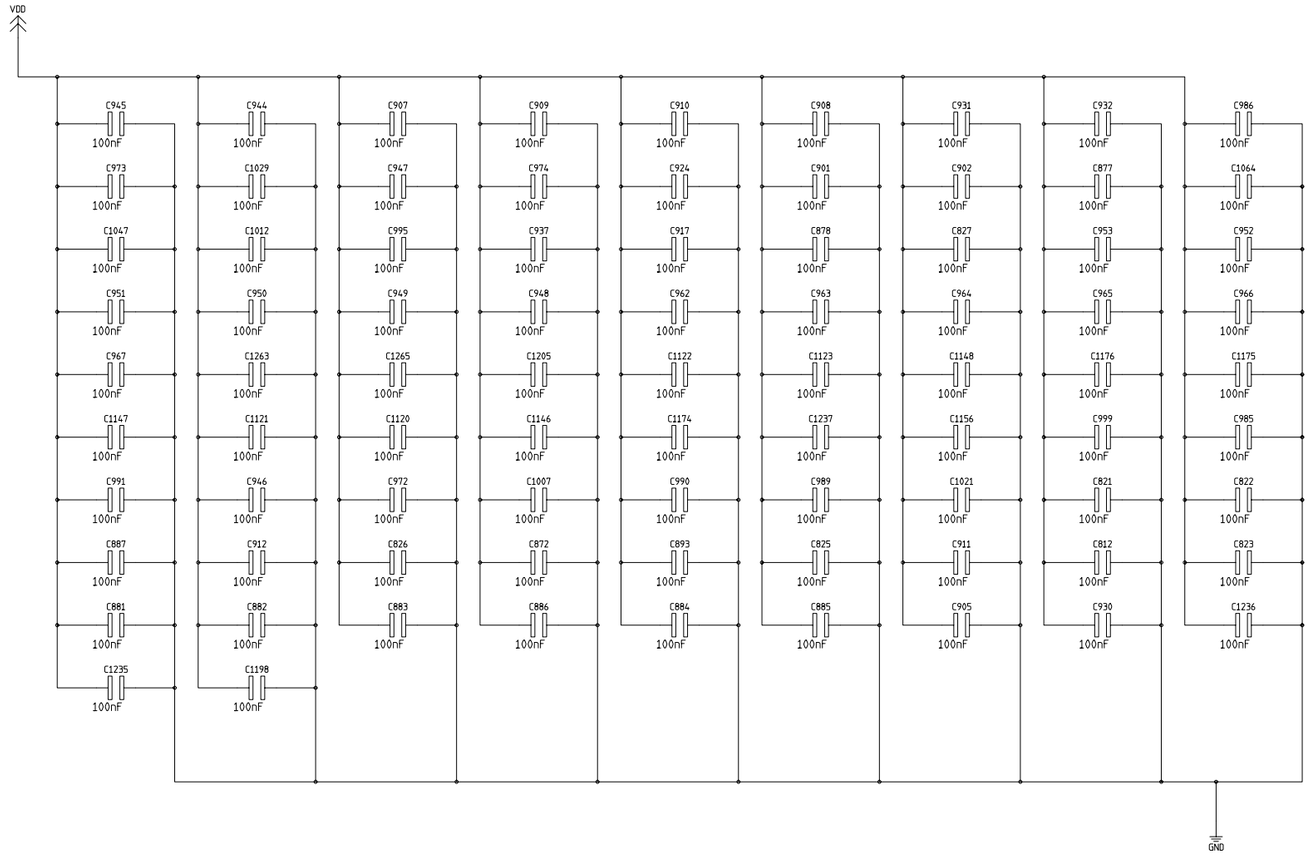


Frame Memory Board
MY-65 (7/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

MY-65 (8/92)

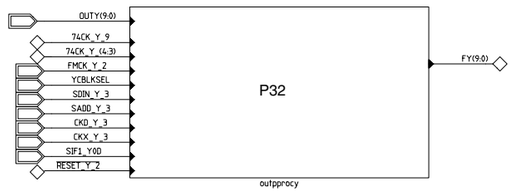


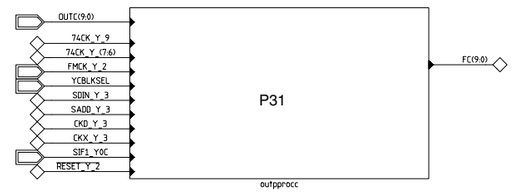
Frame Memory Board
MY-65 (8/92)
BOARD NO. 1-673-475-13

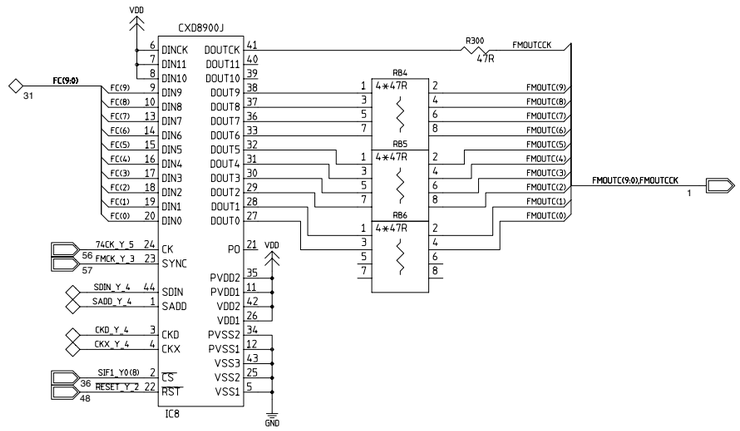
HKDS-7041

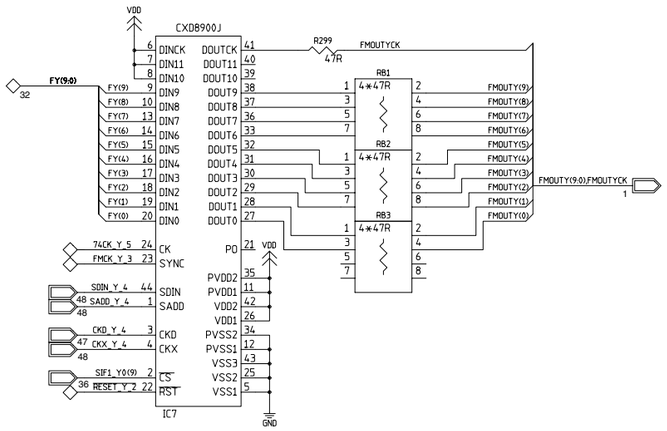
348

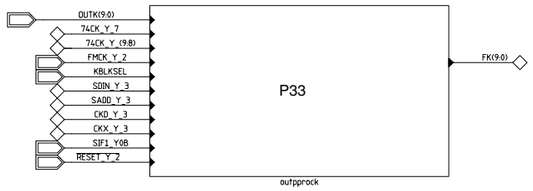
HDS-7000

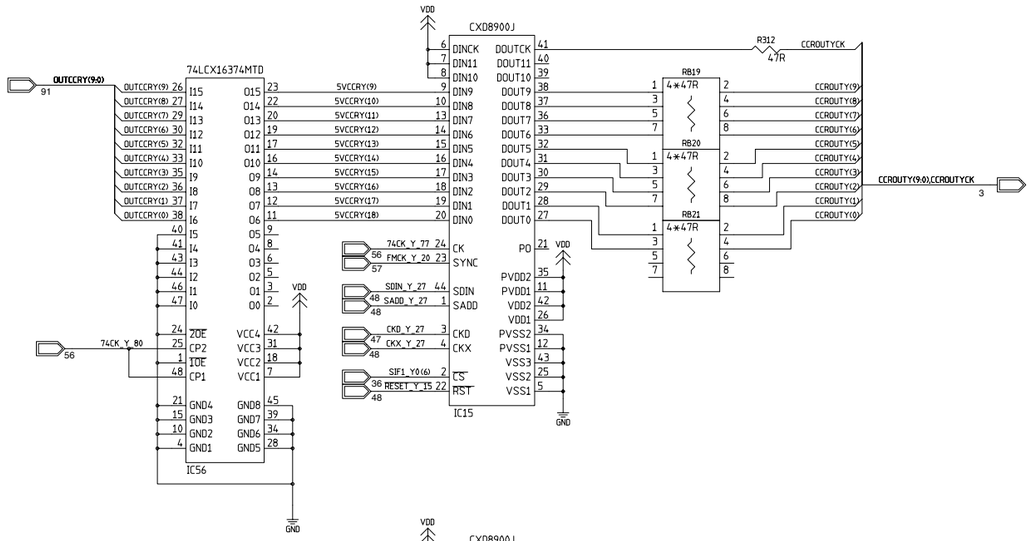


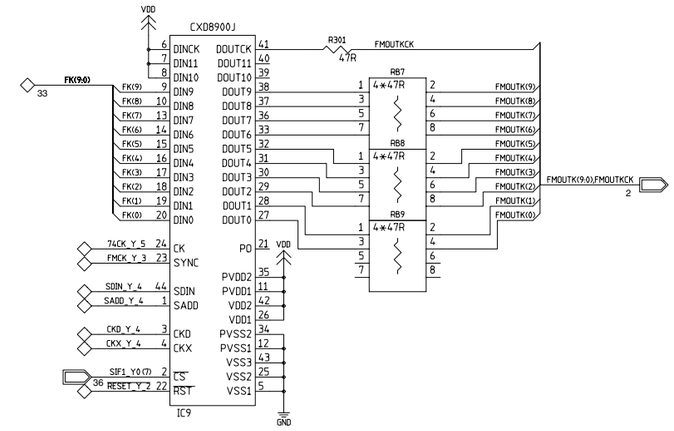


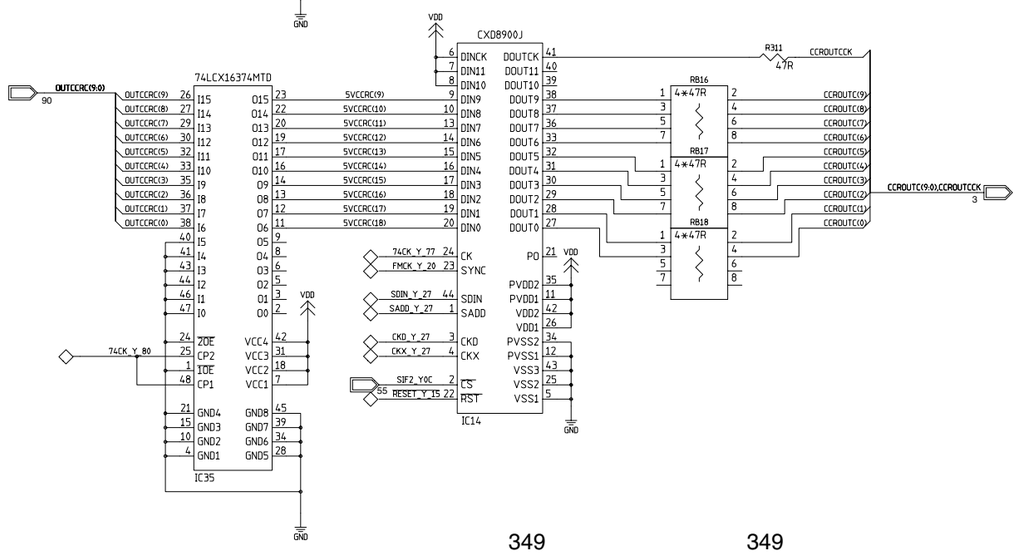








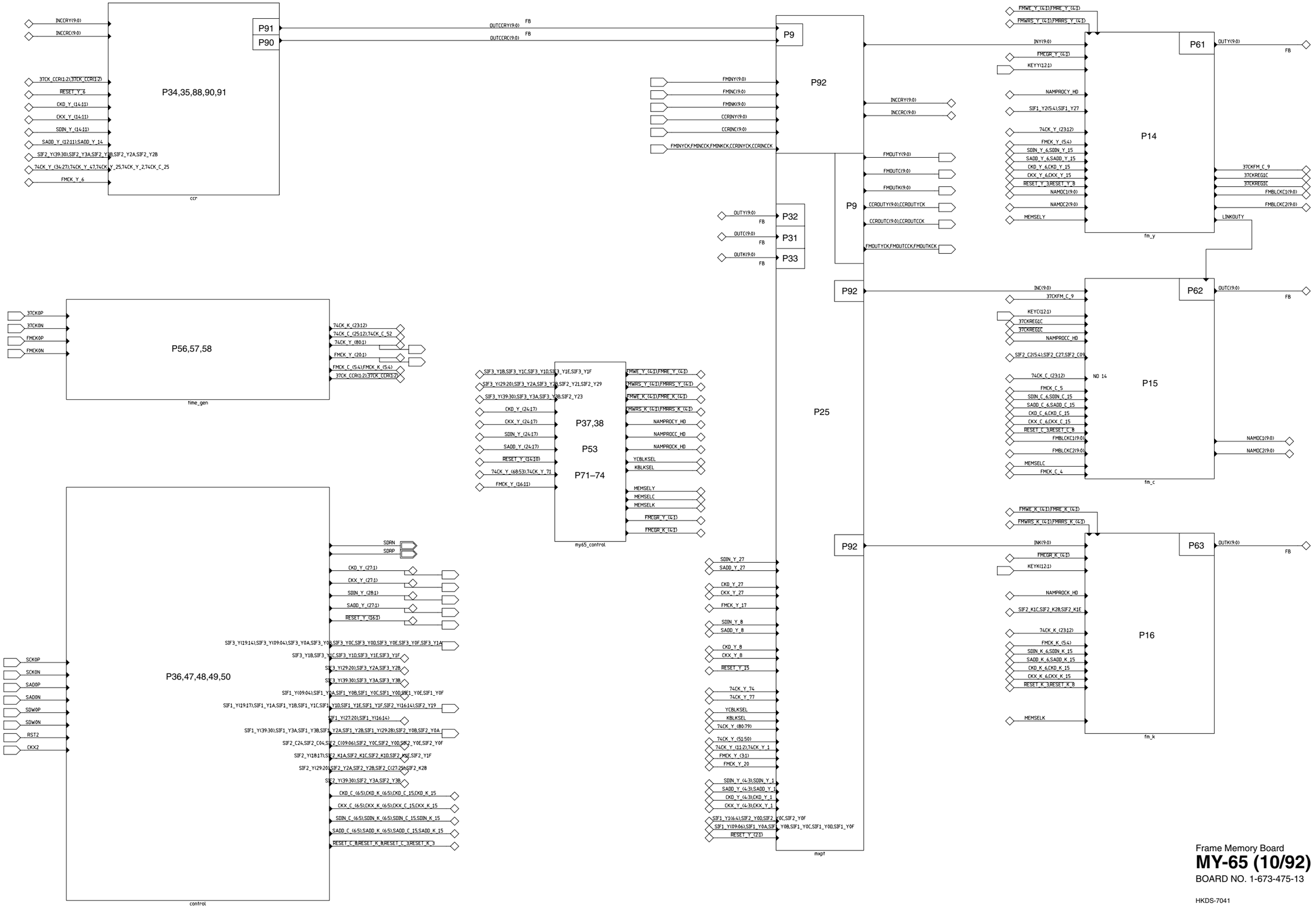




Frame Memory Board
MY-65 (9/92)
BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (10/92)



Frame Memory Board

MY-65 (10/92)

BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

74CK_Y_24 NOT NEEDED

74CK_Y_(2314)

check for correct output limitting.
in my66 lsb of input pulled low

P17

FMCGR_Y_(4:1)
NAMOUTY(9:0)
NAMOC1(9:0)
NAMOC2(9:0)
FMWE_Y_(4:1);FMRE_Y_(4:1)
FMWRS_Y_(4:1);FMRRS_Y_(4:1)
74CK_Y_(20:14)
FMCK_Y_4
FMCK_Y_5
74CK_Y_12
SDIN_Y_6
SADD_Y_6
CKX_Y_6
CKD_Y_6
SIF1_Y27
RESET_Y_3

fmemory

P41

37CKFM_C_9
37CKREG1C
37CKREG1C

P45

FMBLCKC1(9:0)
FMBLCKC2(9:0)

FMBOUTY1(9:0)

FB

FMBOUTY2(9:0)

P54

FMCK_Y_5
74CK_Y_21
SDIN_Y_6
RESET_Y_3
SADD_Y_6
SIF1_Y24
CKX_Y_6
CKD_Y_6

8899delay

FMBLOUTY2(9:0)

FB

NAMOUTY(9:0)

MEMSELY

74CK_Y_(23:22)
FIVE CLOCK LOADS
FULL RATE

P61

memswitch

OUTY(9:0)
TO O/P

Frame Memory Board
MY-65 (11/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

MY-65 (12/92)

74CK_C_24 NOT NEEDED

74CK_C_(23:15)

check for correct output limitting.
in mC66 lsb of input pulled low

1/2 RATE FMBLCKC1(9:0)

1/2 RATE FMBLCKC2(9:0)

FROM FM_Y'S FRAME STORE
37CKFM_C_9

NAMOUTC(9:0)

74CK_C_(20:15)

37CKREGIC

37CKREGIC

FMCK_C_4

FMCK_C_5

74CK_C_12

SDIN_C_6

SADD_C_6

CKX_C_6

CKD_C_6

SIF2_C27

RESET_C_3

P18

fmemory_c

NAMOUTC(9:0)

NAMOUTC(9:0)
TO FM_Y'S FRAME STORE

FMBOUTC1(9:0)

FMBOUTC2(9:0)

FMCK_C_5

74CK_C_21

SDIN_C_6

RESET_C_3

SADD_C_6

SIF2_C24

CKX_C_6

CKD_C_6

P55

8899delay_c

FMBLOUTC2(9:0)

FMBOUTC1(9:0)

FMBOUTC1(9:0)

FB

NAMOUTC(9:0)

MEMSELC

74CK_C_(23:22)
FIVE CLOCK LOADS
FULL RATE

P62

memswitch_c

OUTC(9:0)
TO D/P

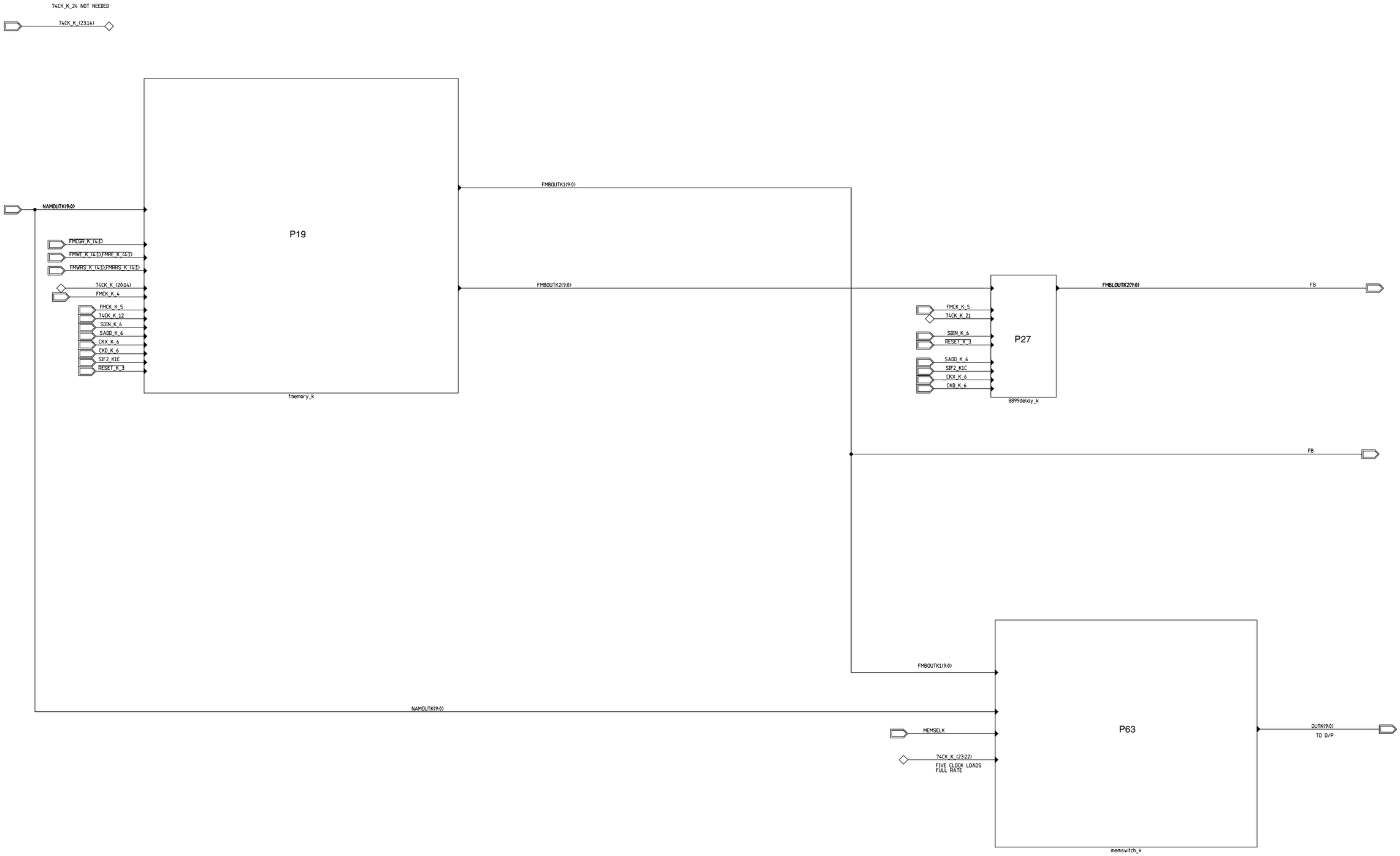
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MY-65 (12/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

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MY-65 (13/92)



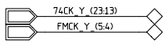
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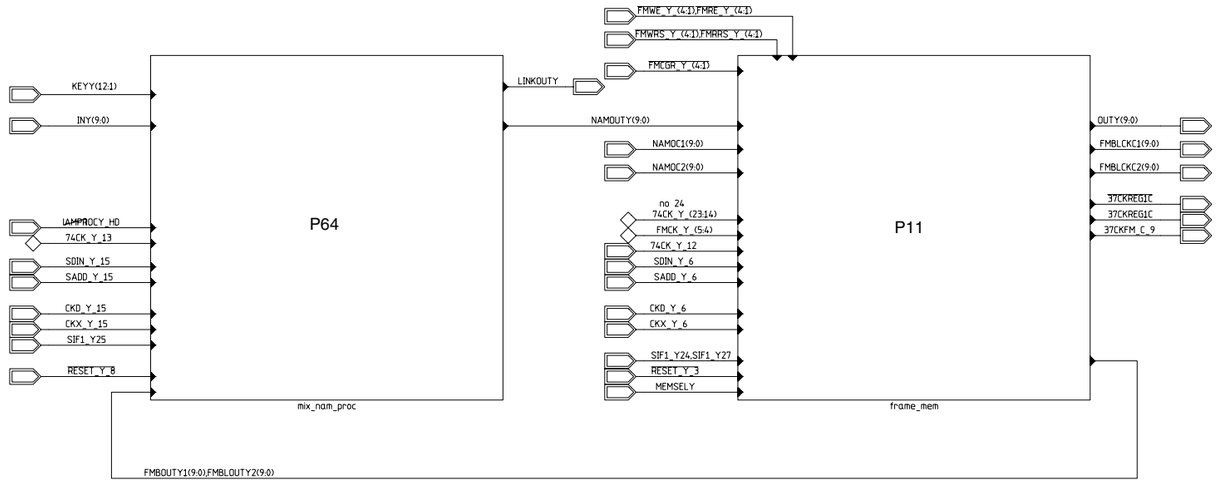
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BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (14/92)



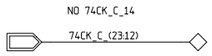


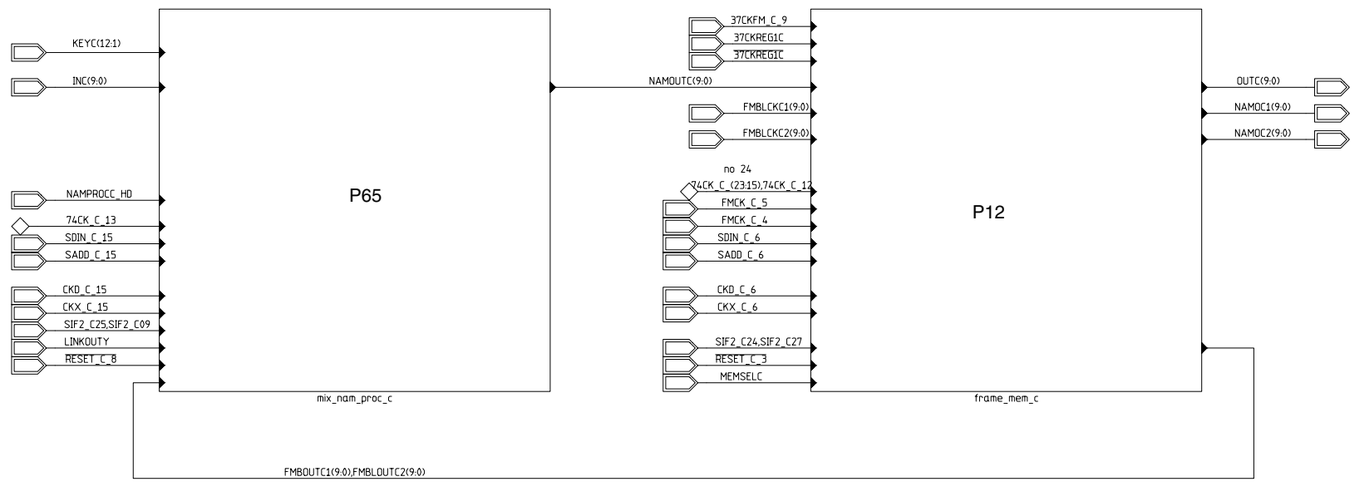
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BOARD NO. 1-673-475-13

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MY-65 (15/92)

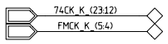


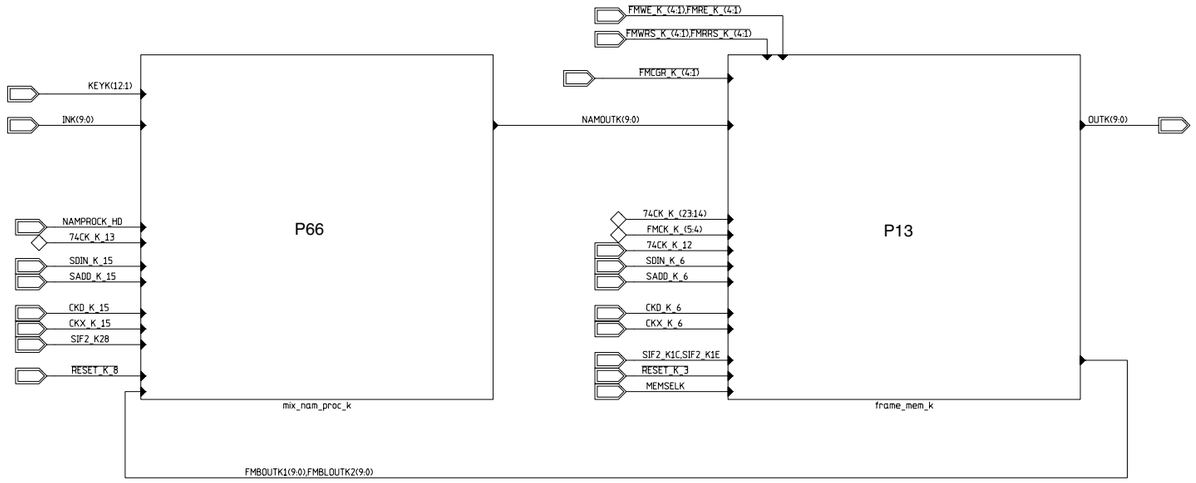


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MY-65 (15/92)
BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (16/92)





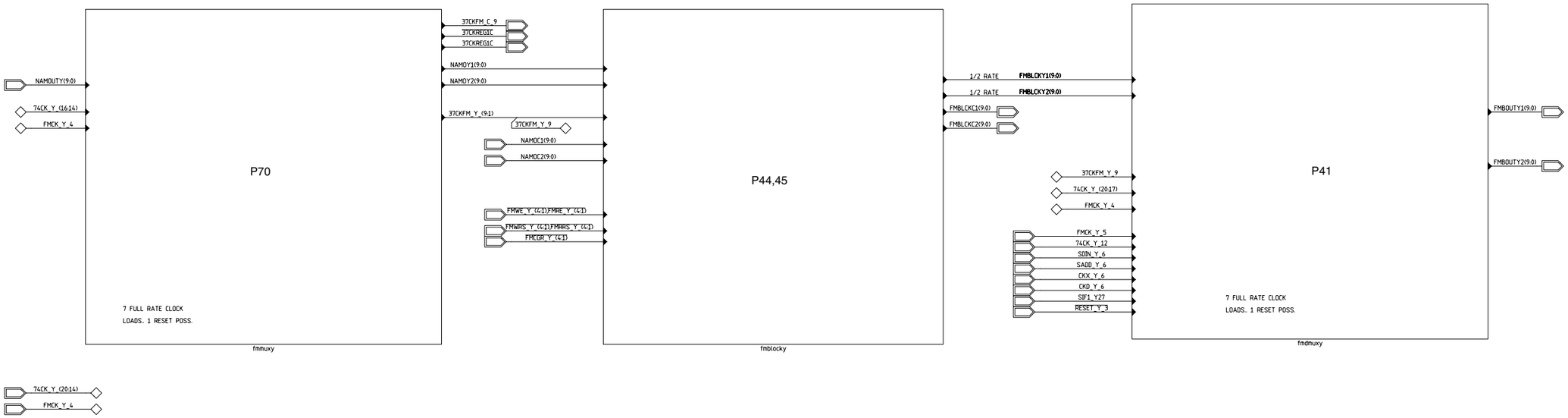
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MY-65 (16/92)
BOARD NO. 1-673-475-13

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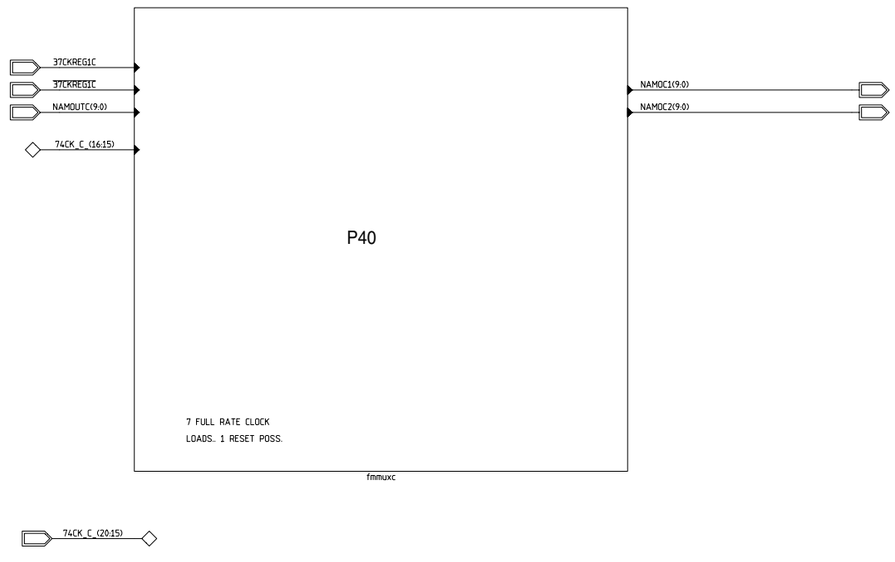
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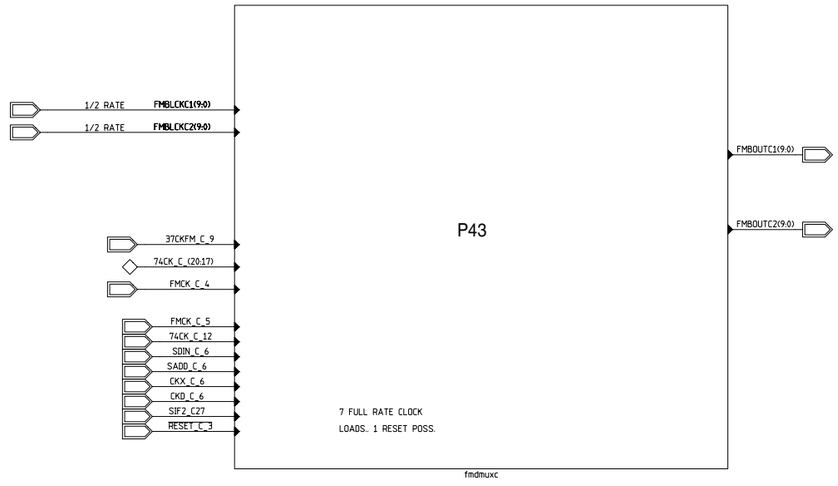


Frame Memory Board
MY-65 (17/92)
BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (18/92)



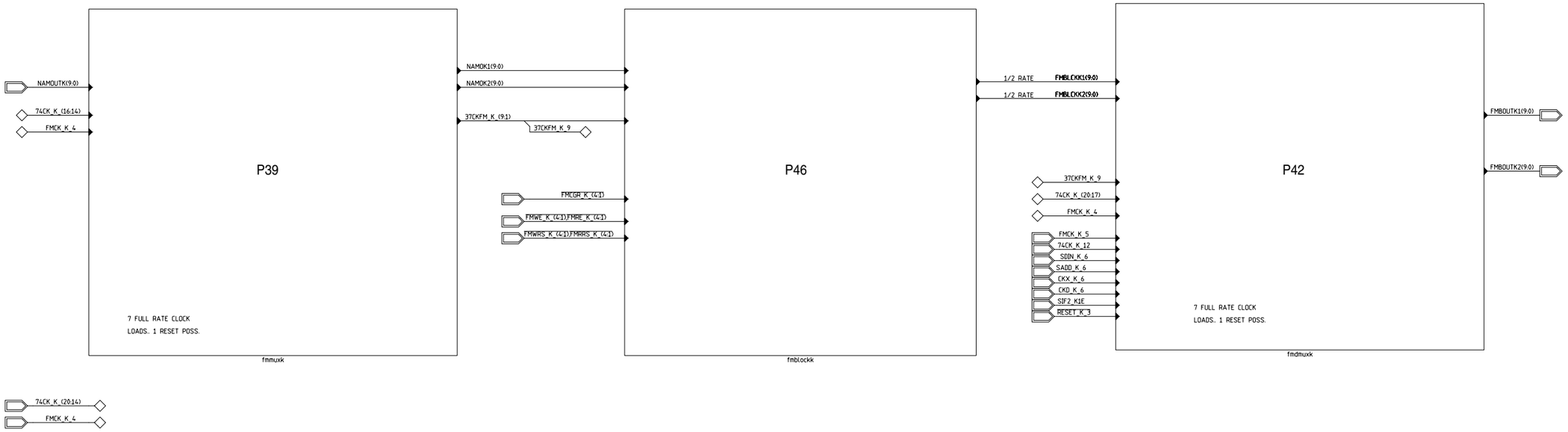


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MY-65 (18/92)
BOARD NO. 1-673-475-13

HKDS-7041

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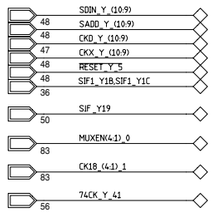
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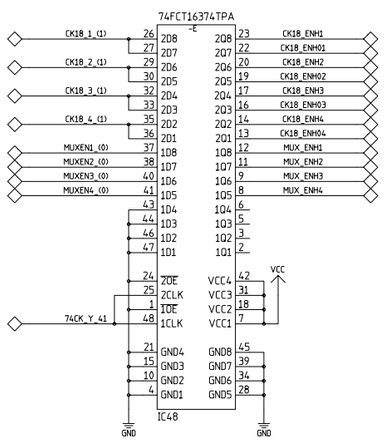


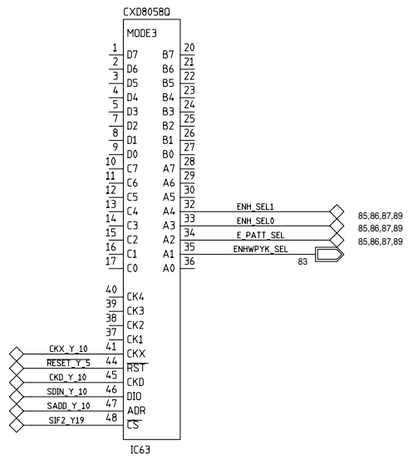
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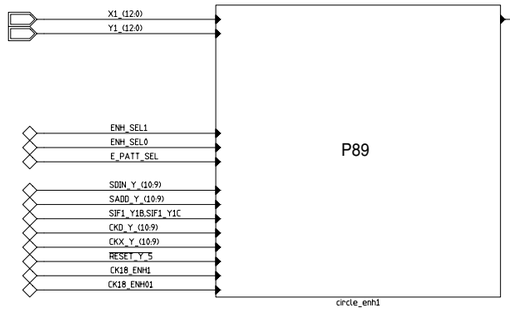
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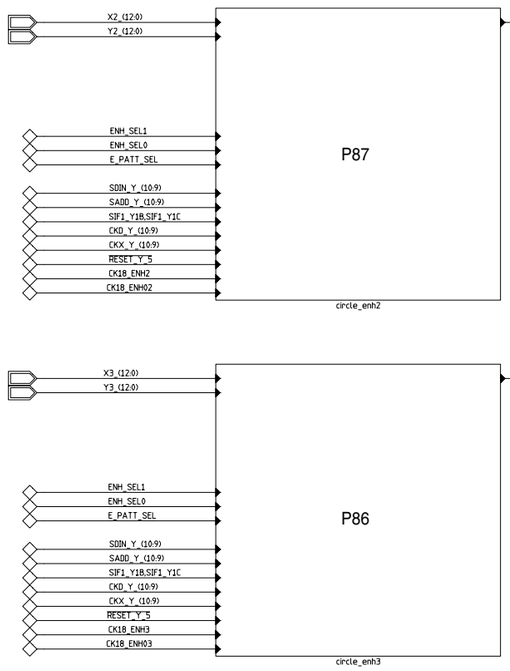
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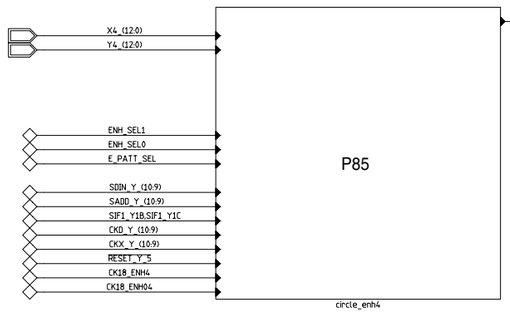


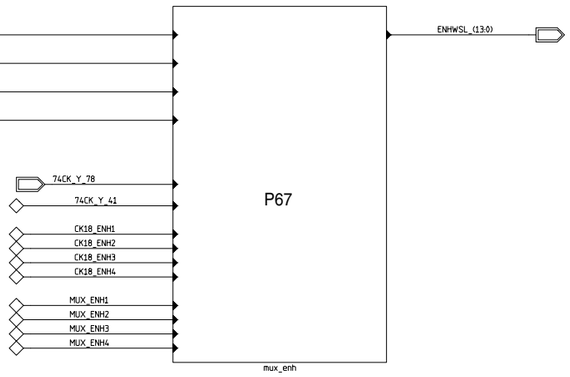












Frame Memory Board
MY-65 (20/92)
BOARD NO. 1-673-475-13

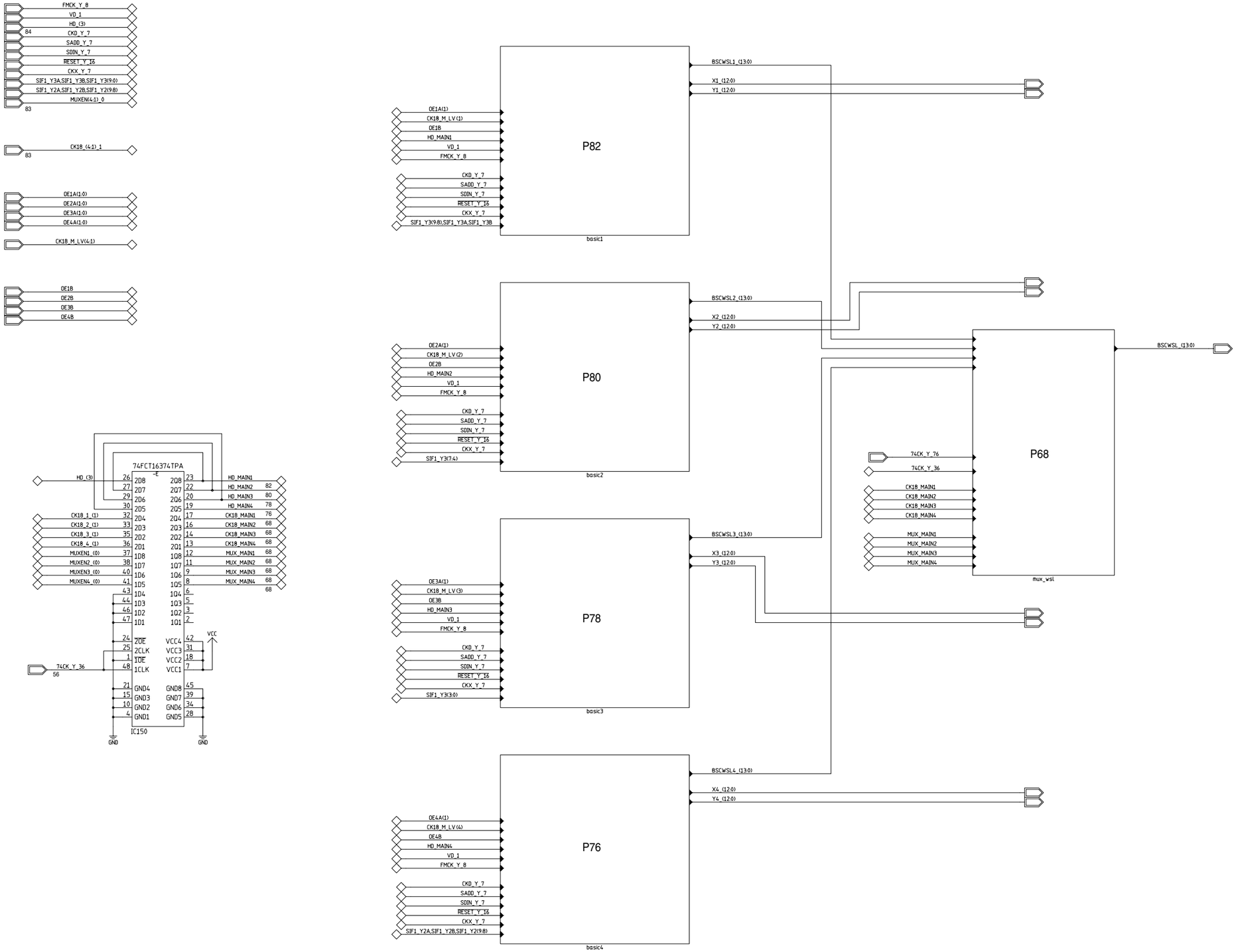
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HDS-7000

360 360

A B C D E F G H

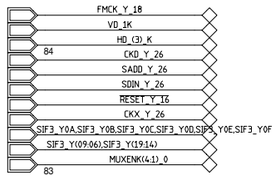
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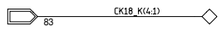


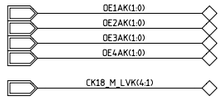
Frame Memory Board
MY-65 (21/92)
BOARD NO. 1-673-475-13

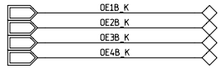
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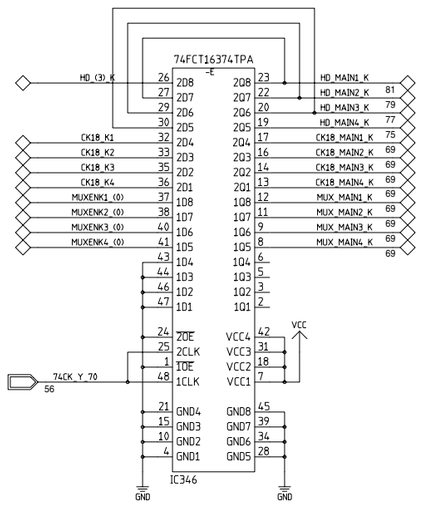
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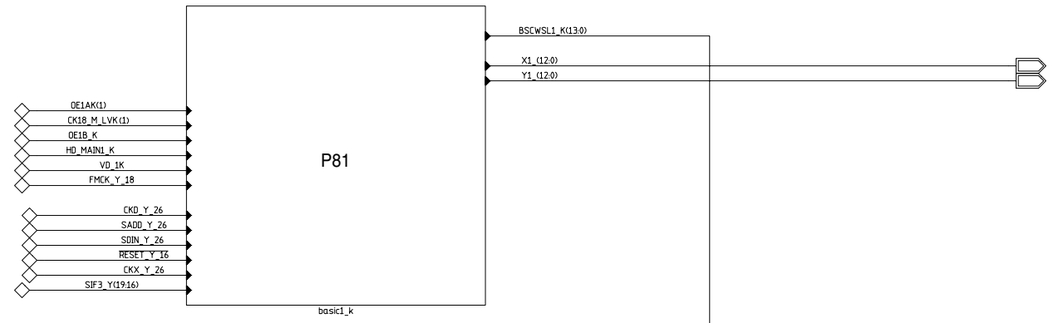


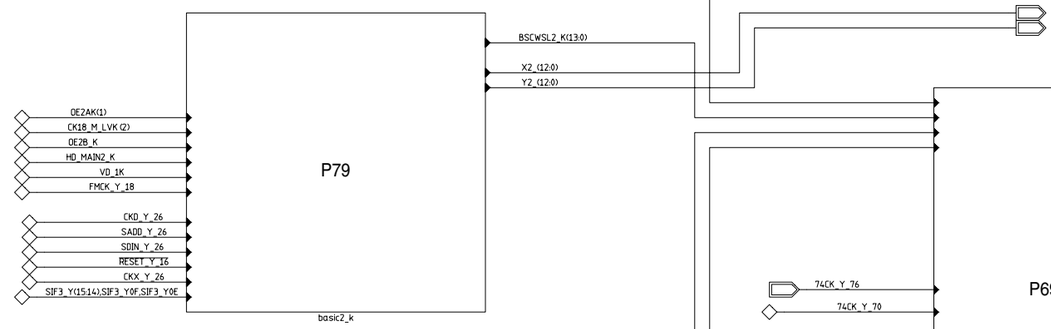


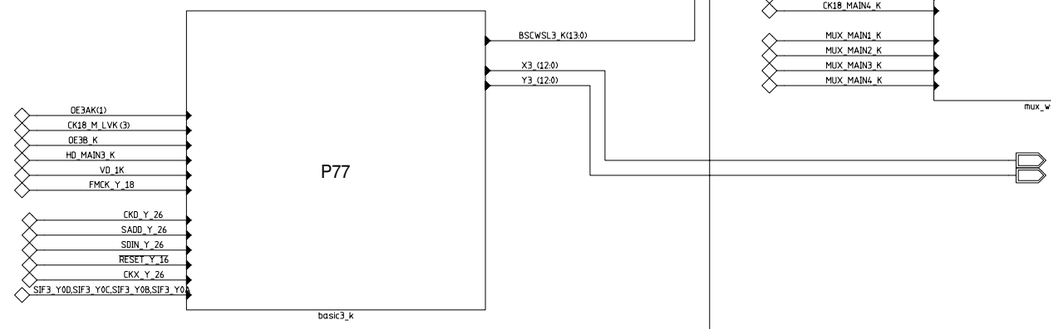


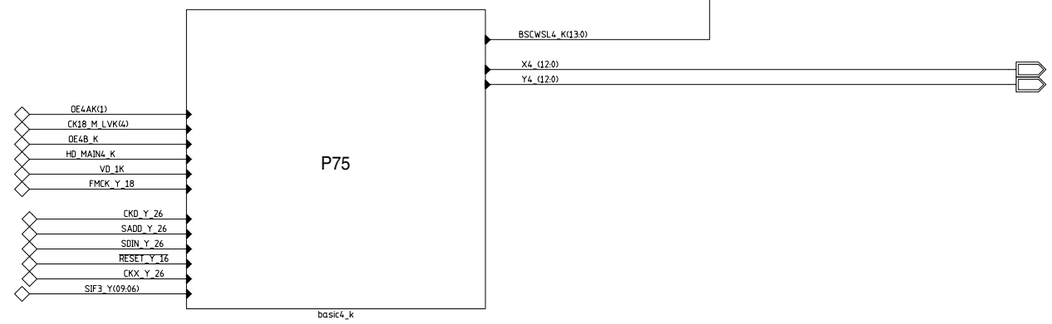


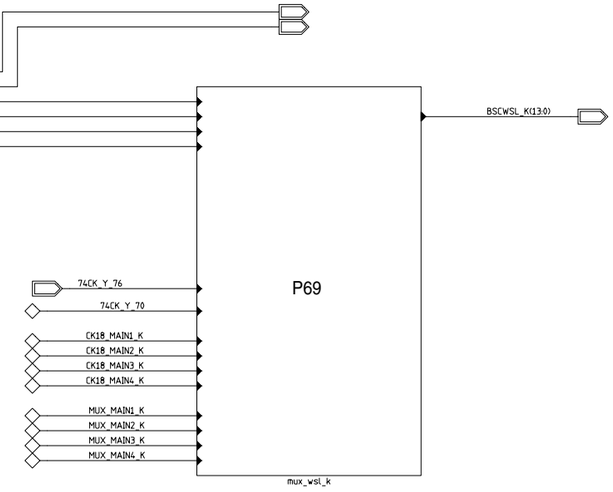










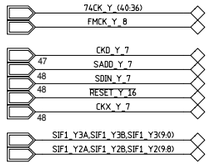


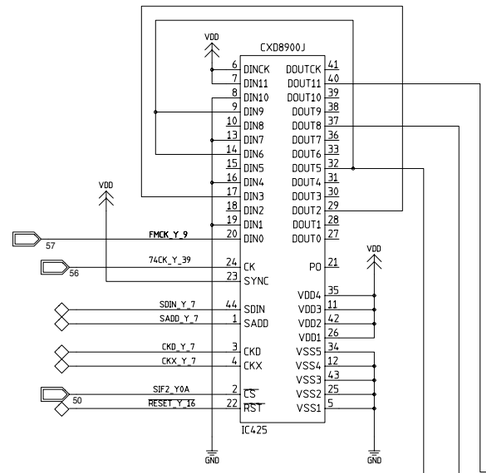
Frame Memory Board
MY-65 (22/92)
BOARD NO. 1-673-475-13

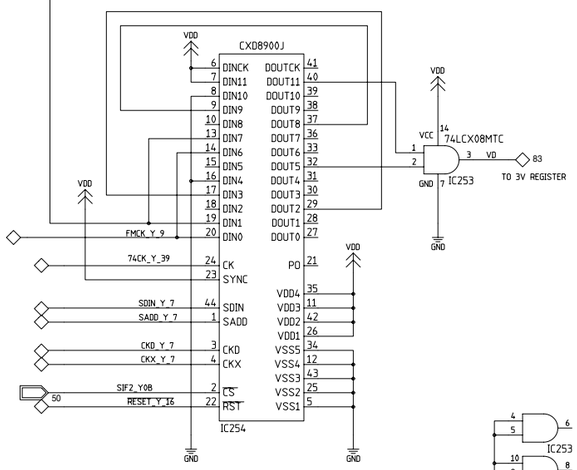
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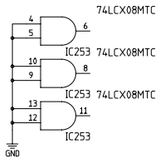
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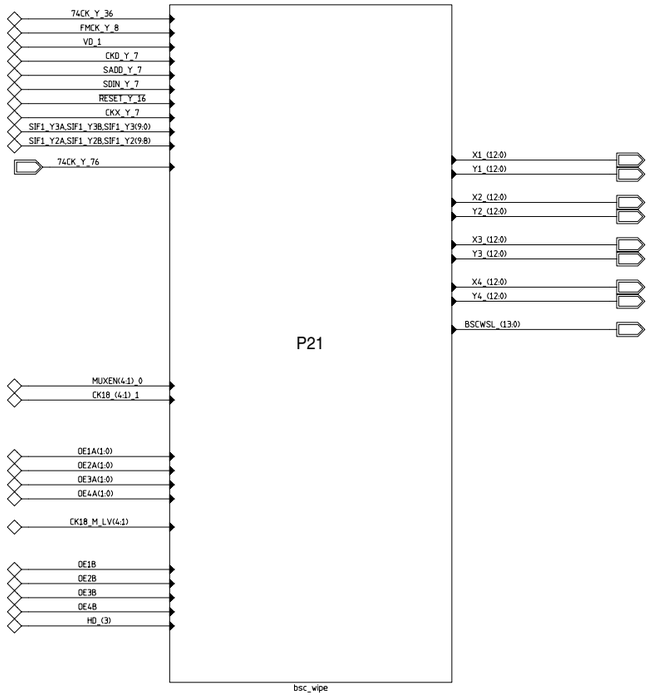
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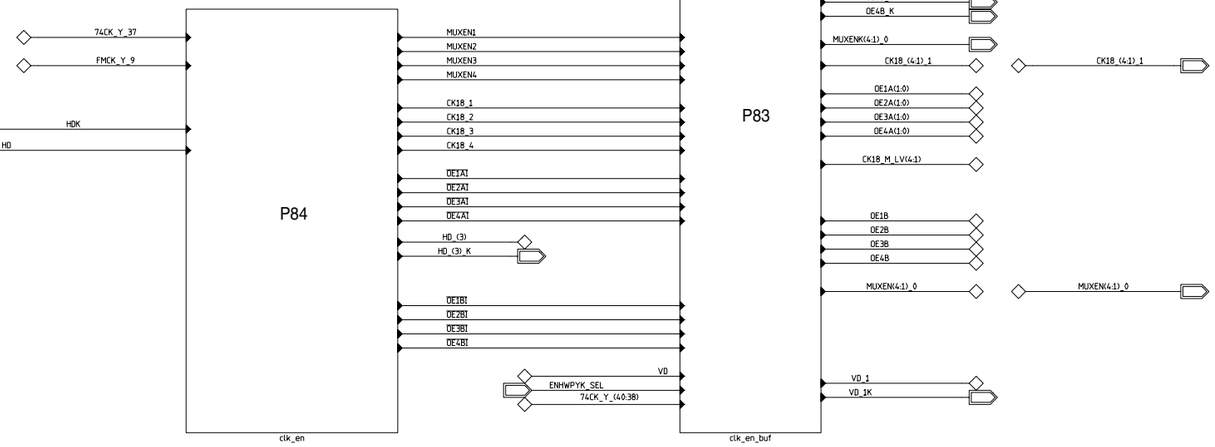








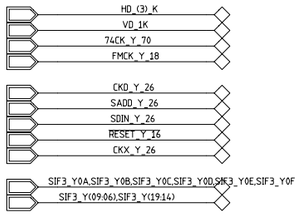


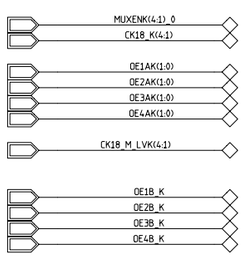


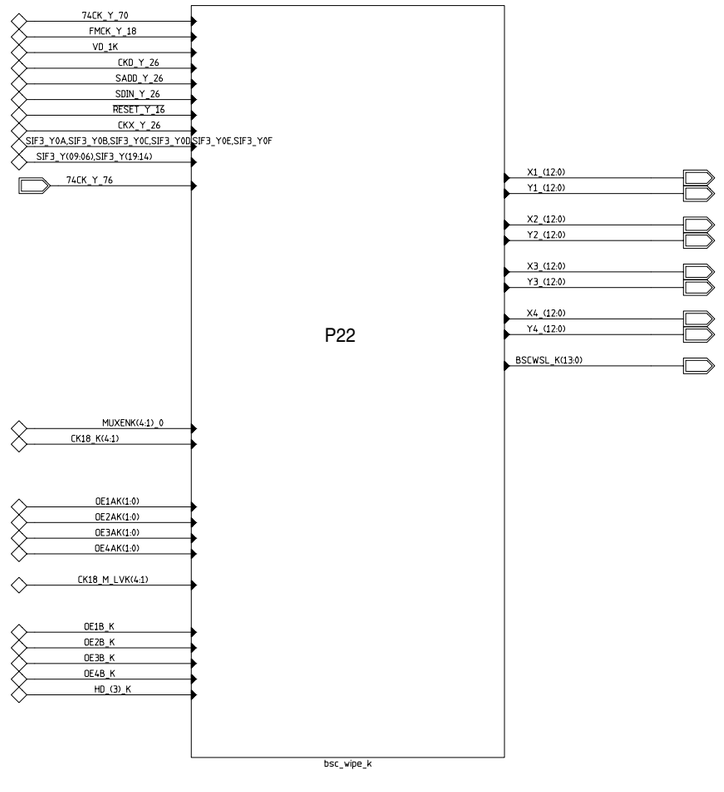
Frame Memory Board
MY-65 (23/92)
BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (24/92)







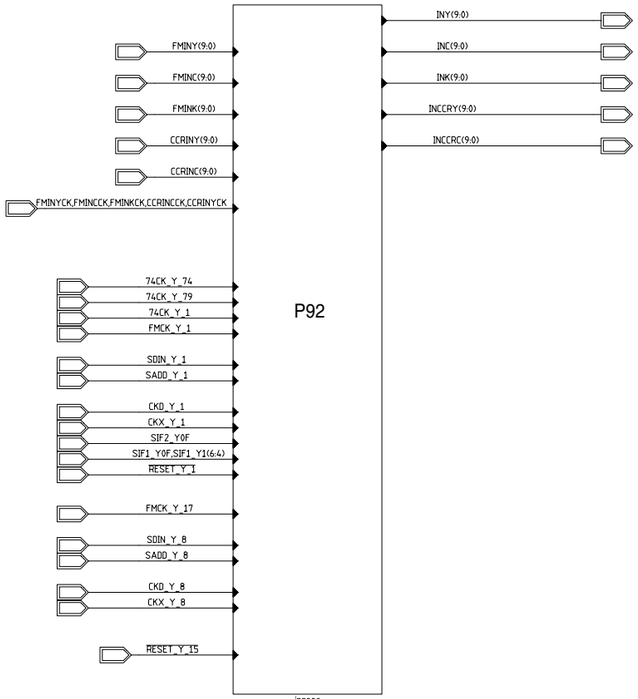
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MY-65 (24/92)
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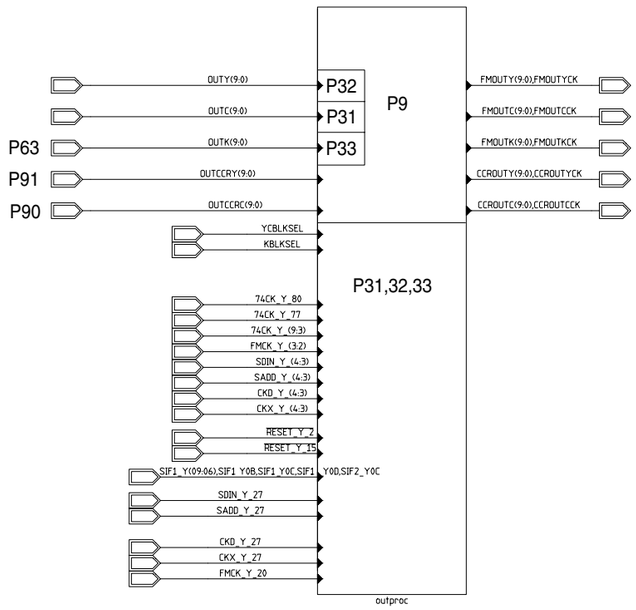
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MY-65 (25/92)



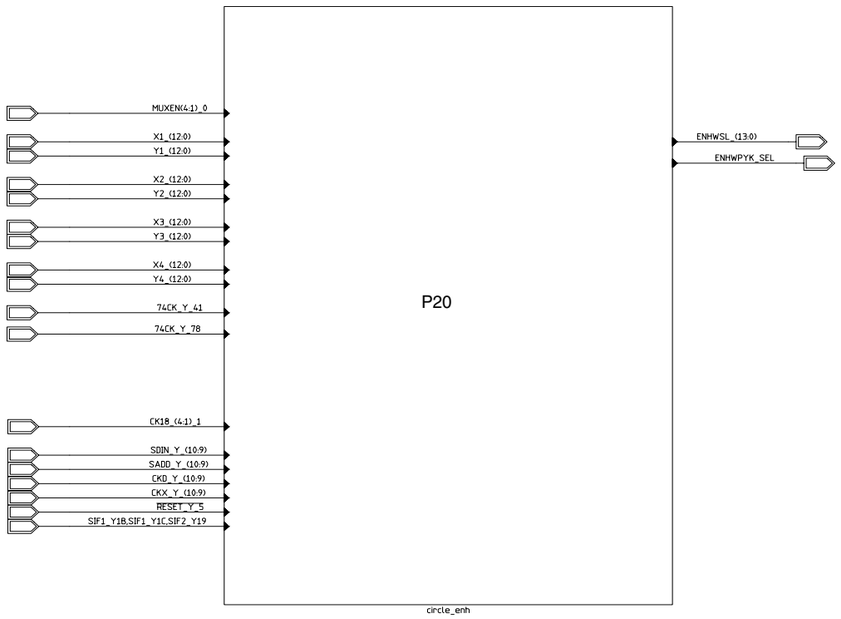


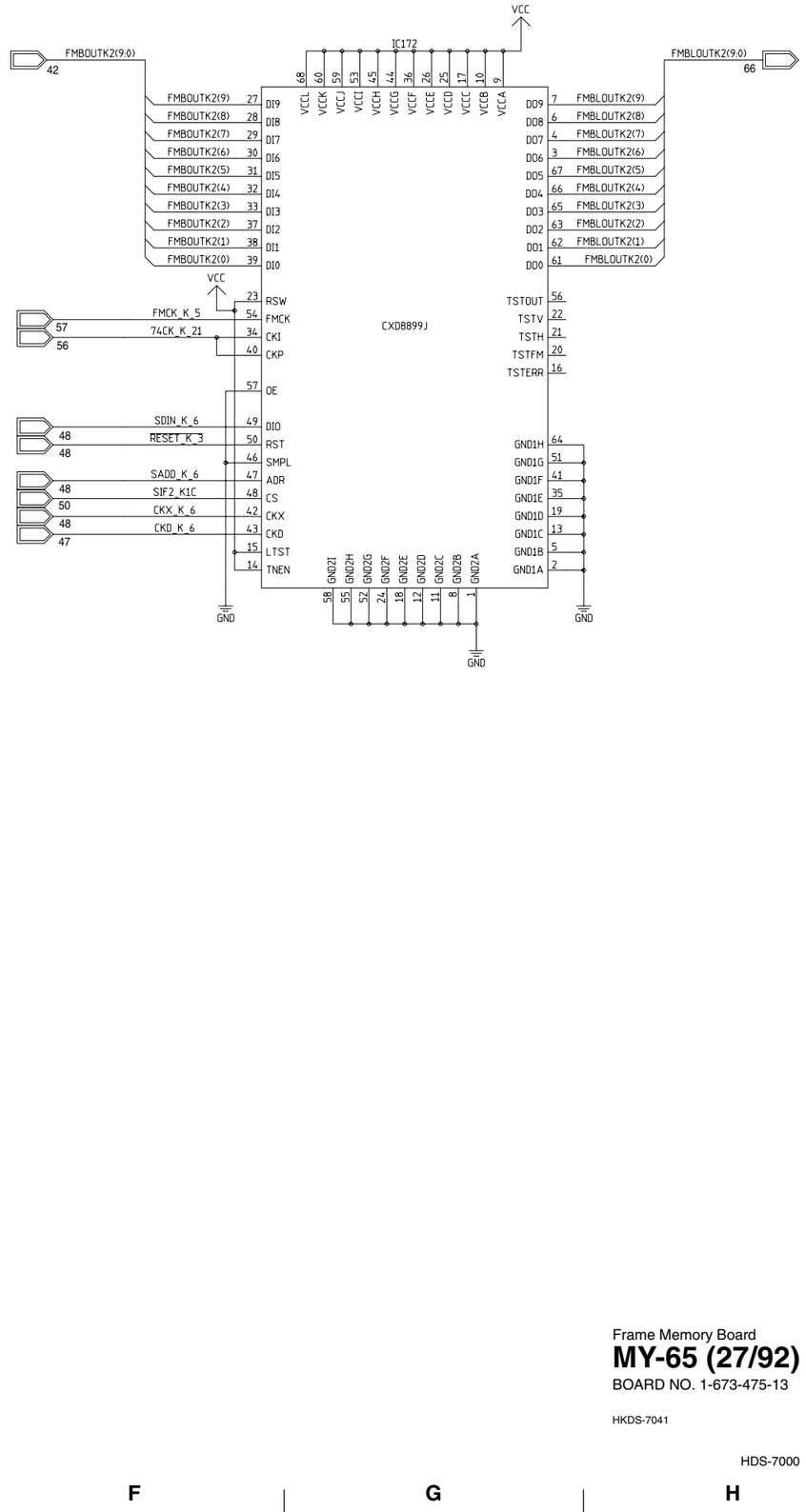
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Frame Memory Board
MY-65 (25/92)
BOARD NO. 1-673-475-13

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A | B | C | D | E | F | G | H





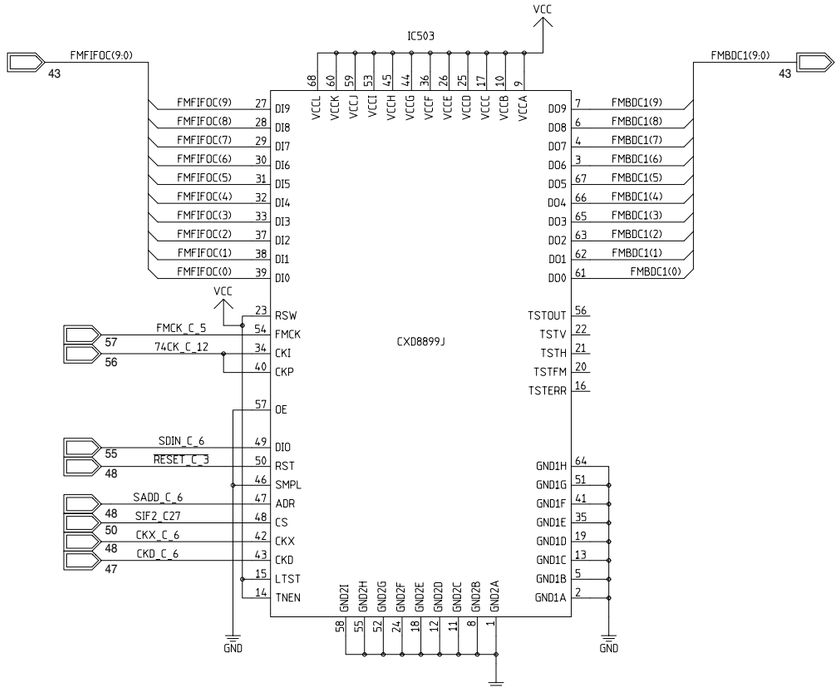
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MY-65 (26/92)
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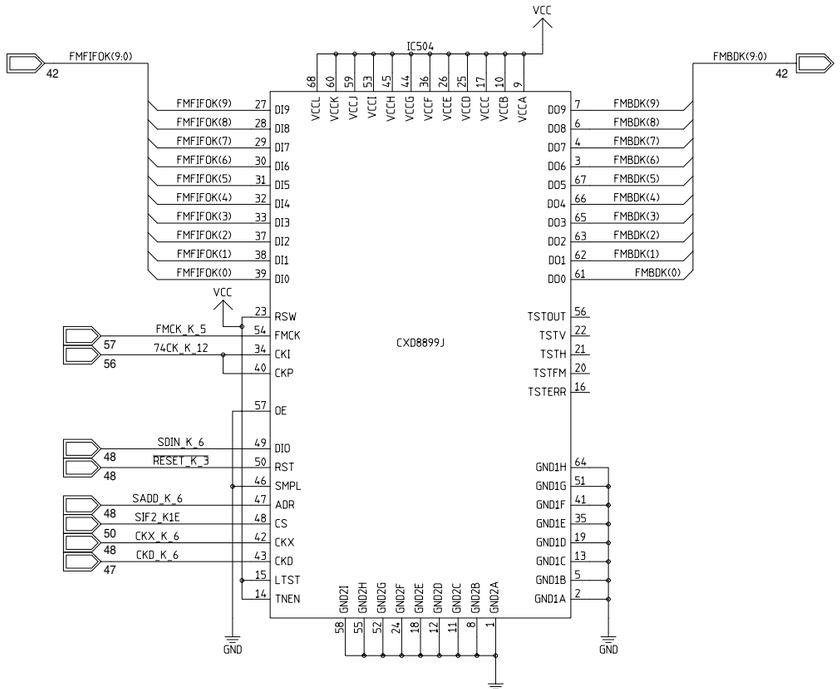
HKDS-7041

Frame Memory Board
MY-65 (27/92)
BOARD NO. 1-673-475-13

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MY-65 (28/92)　　MY-65 (29/92)





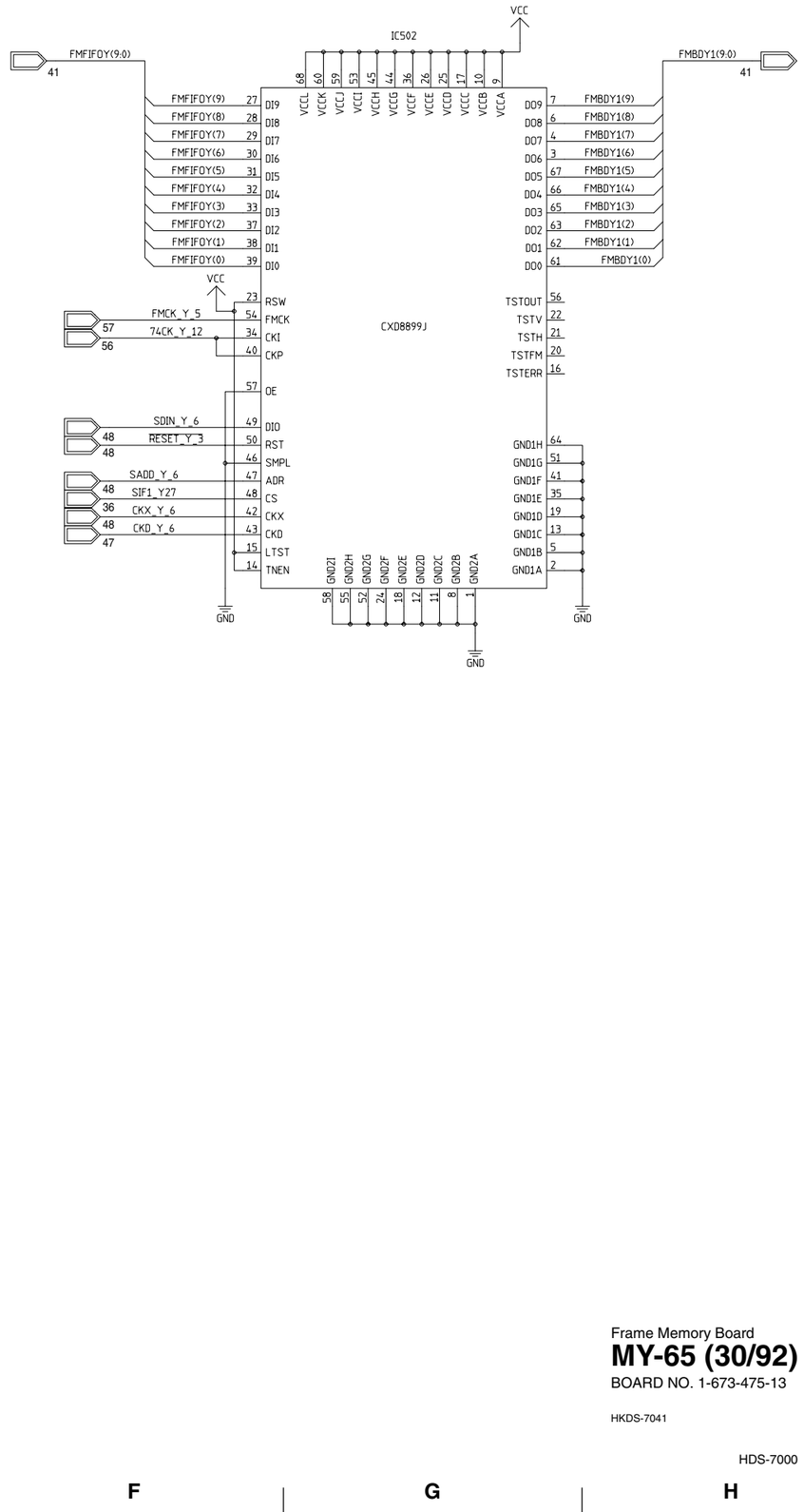
Frame Memory Board
MY-65 (28/92)
BOARD NO. 1-673-475-13

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Frame Memory Board
MY-65 (29/92)
BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (30/92)

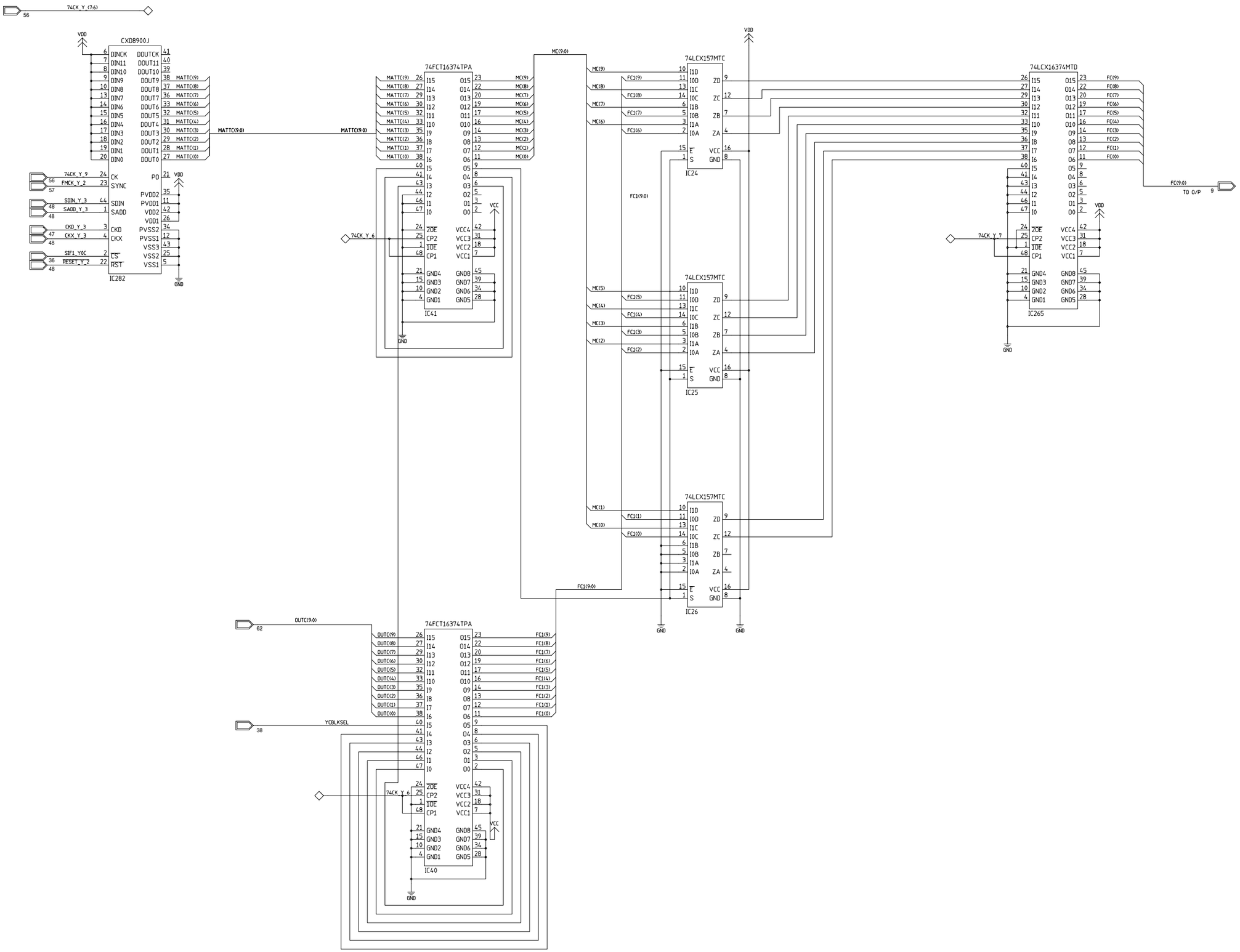


Frame Memory Board
MY-65 (30/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

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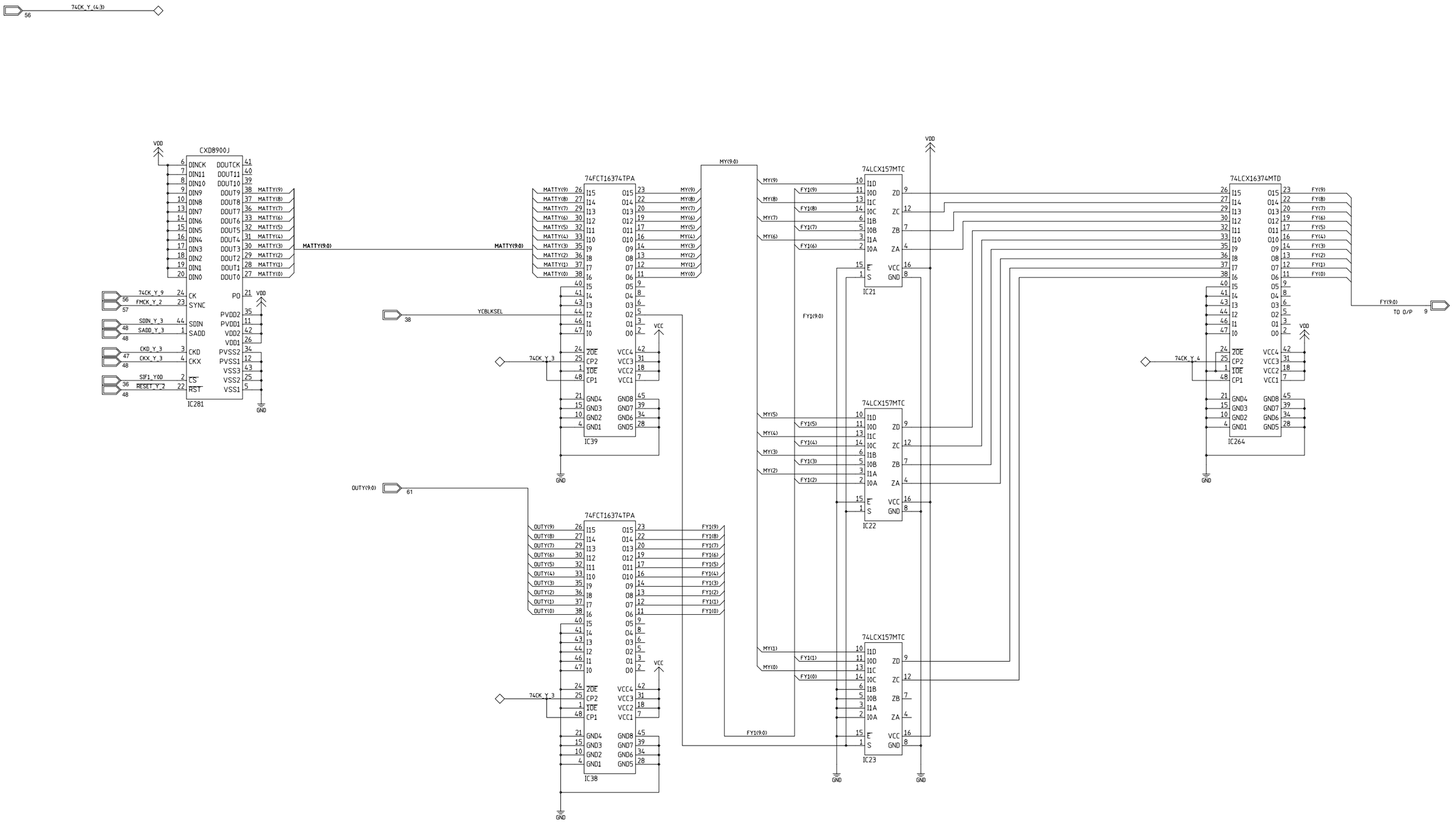


Frame Memory Board
MY-65 (31/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

MY-65 (32/92)



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Frame Memory Board

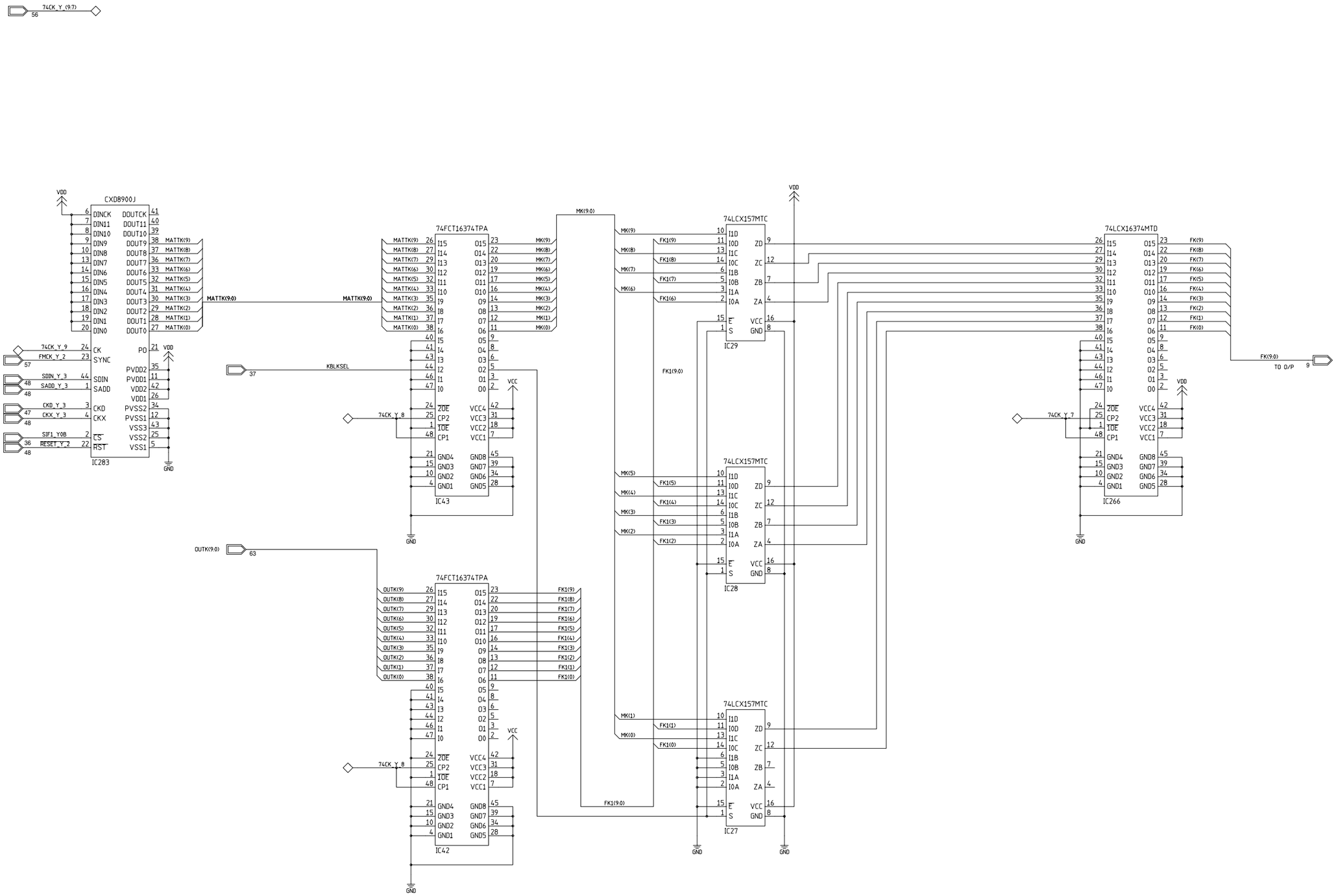
MY-65 (32/92)

BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

MY-65 (33/92)



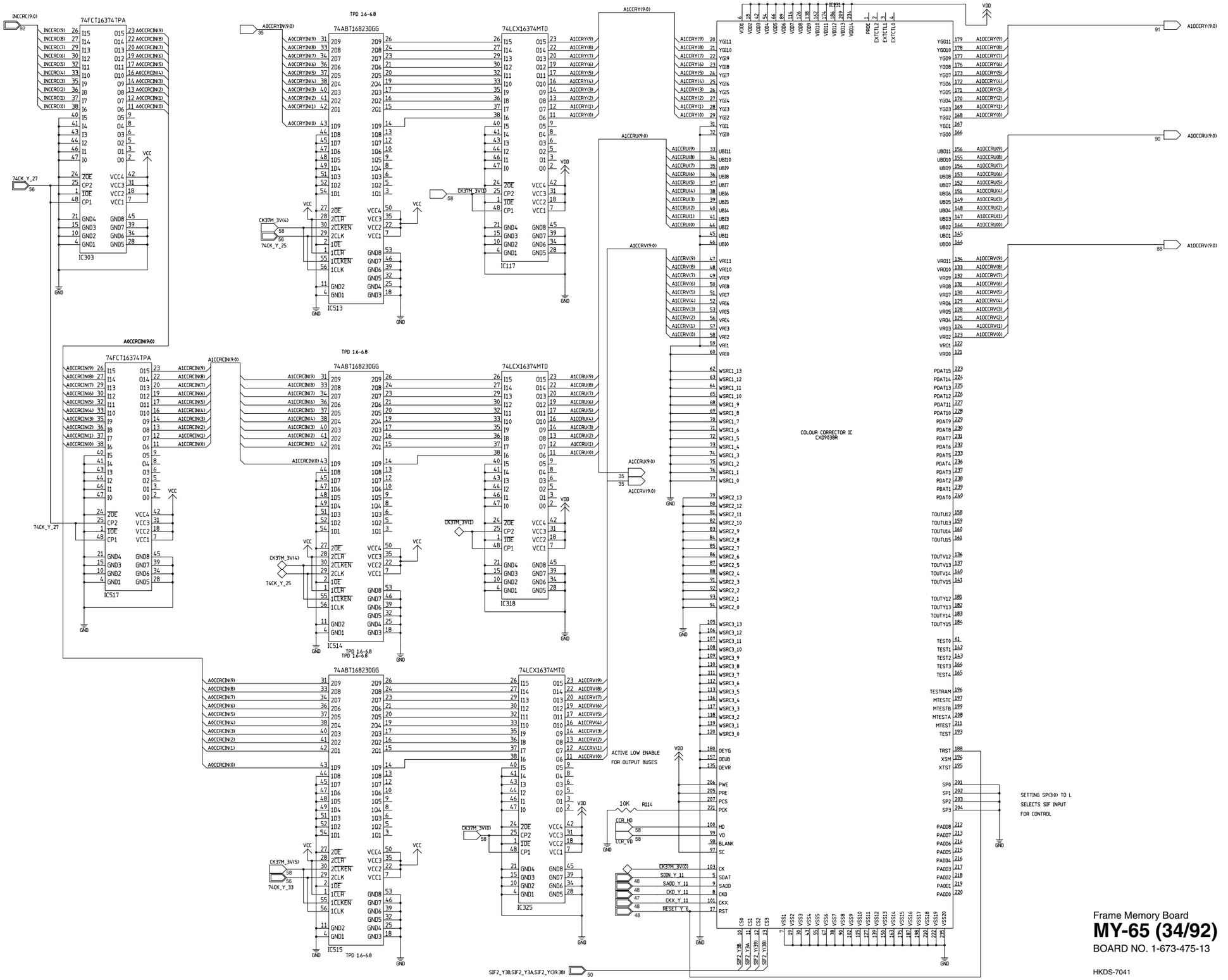
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MY-65 (33/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

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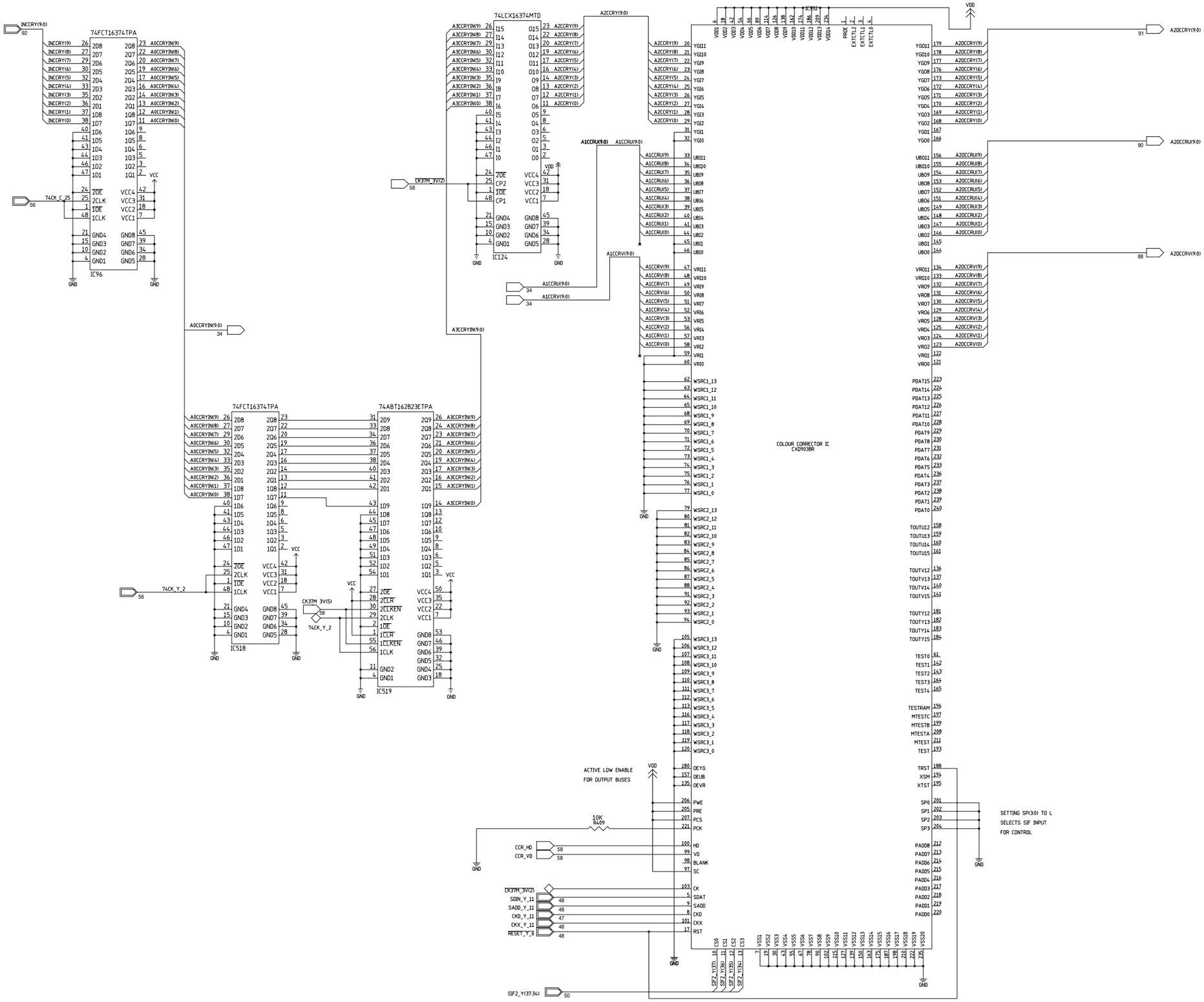


Frame Memory Board

MY-65 (34/92)

BOARD NO. 1-673-475-13

HKDS-7041



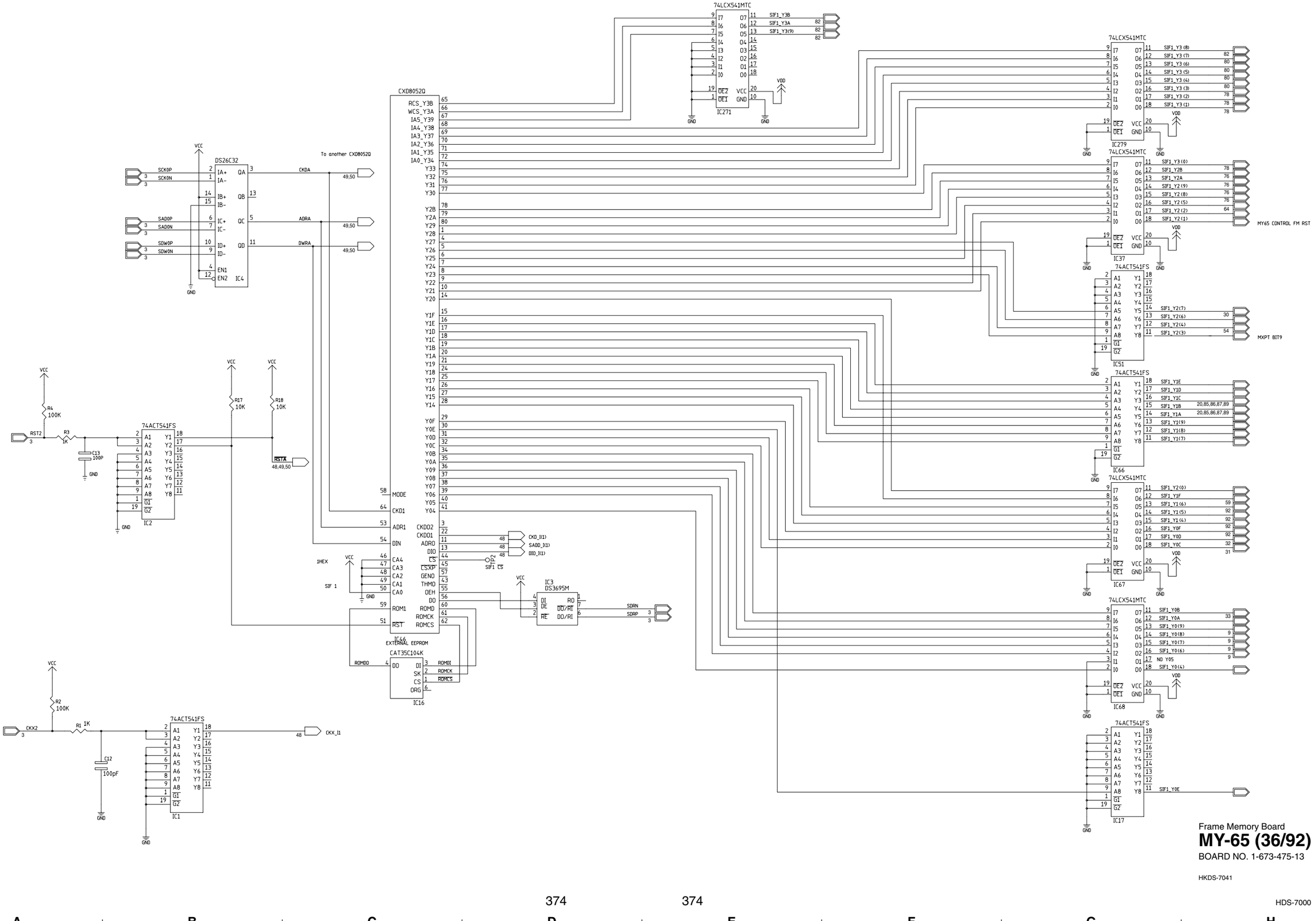
HDS-7000

373 373

Frame Memory Board
MY-65 (35/92)
BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (36/92)

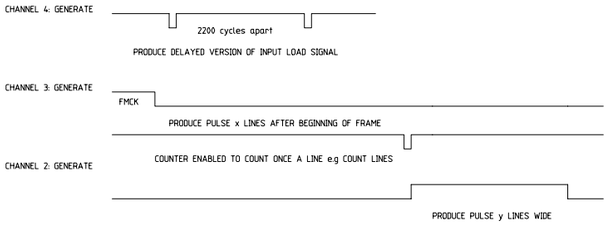


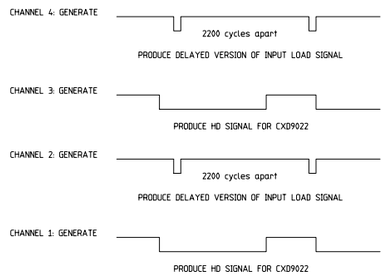
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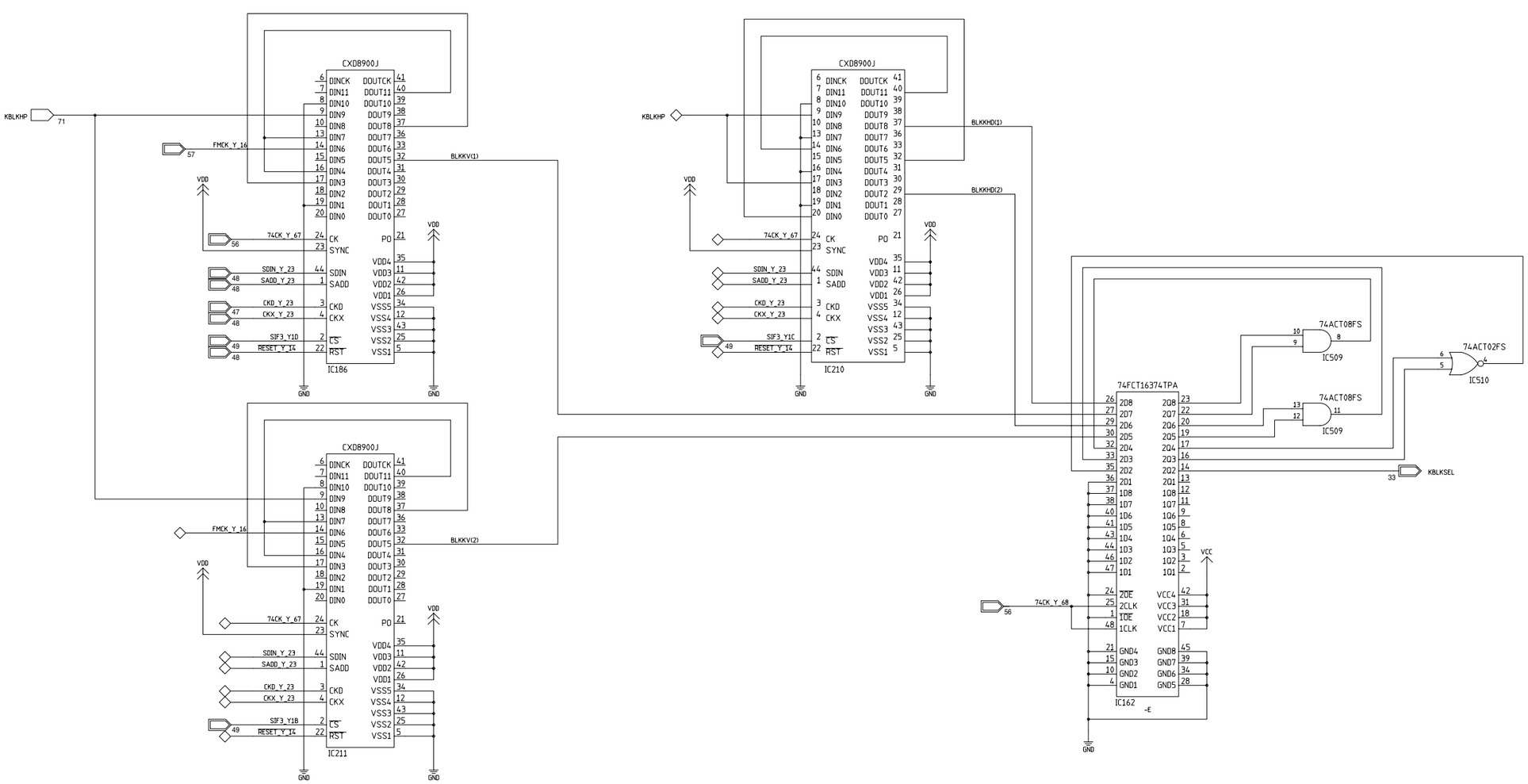
Frame Memory Board
MY-65 (36/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000







Frame Memory Board
MY-65 (37/92)
BOARD NO. 1-673-475-13

HKDS-7041

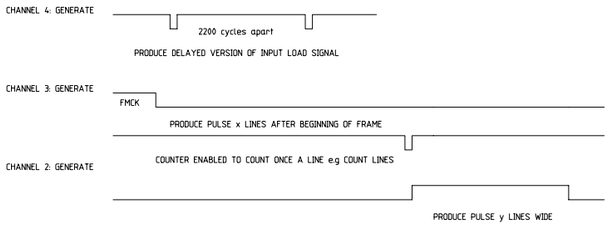
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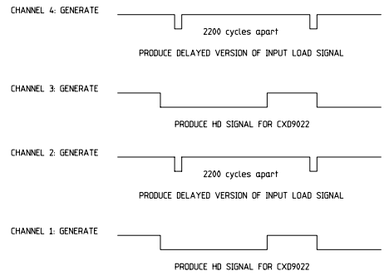
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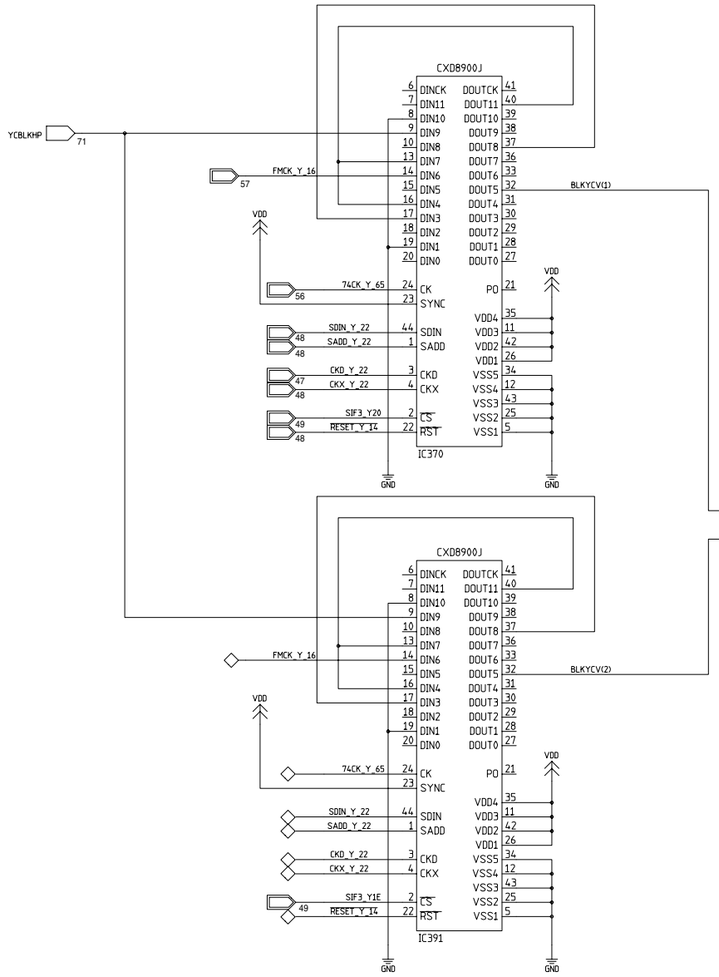
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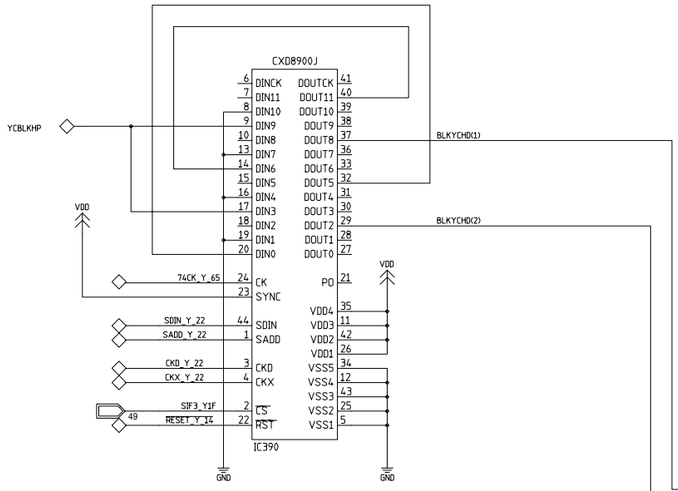
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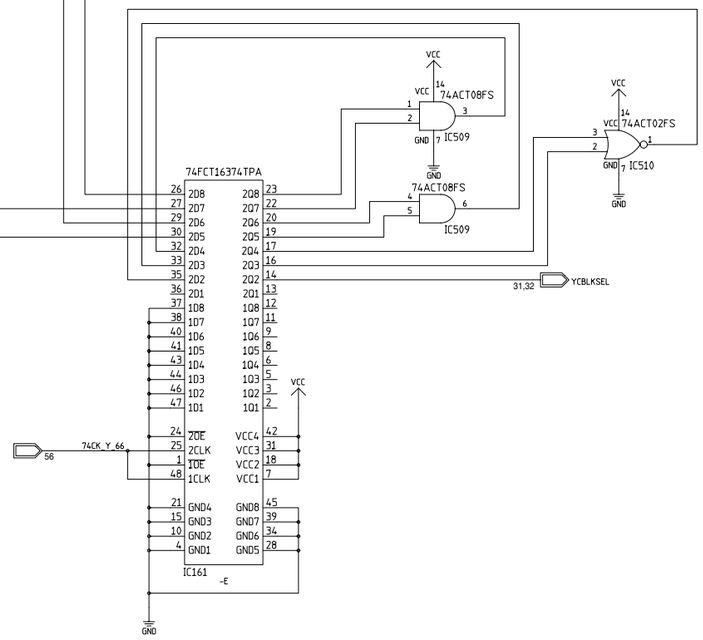
MY-65 (38/92)

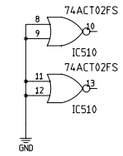












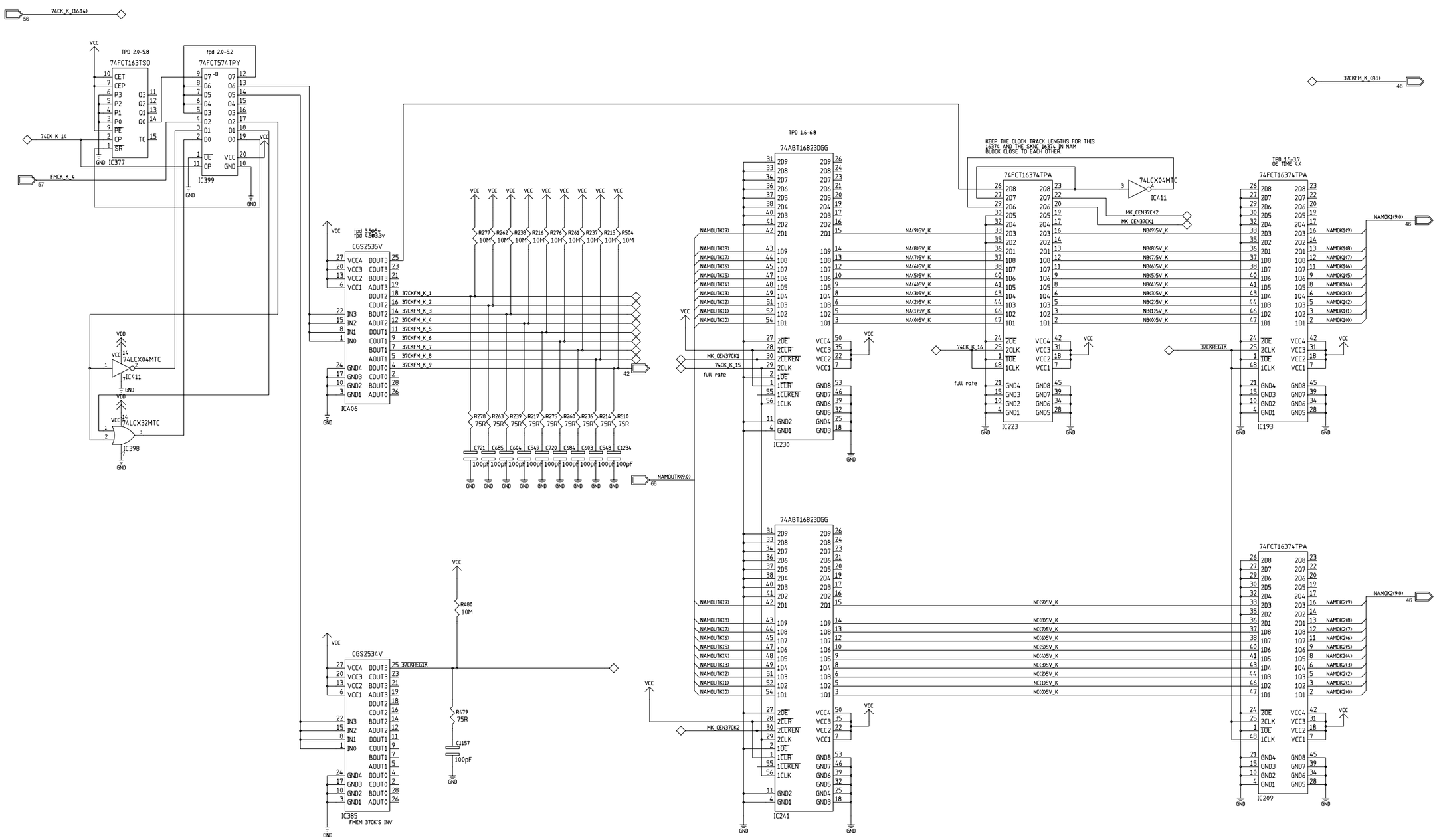
Frame Memory Board
MY-65 (38/92)
BOARD NO. 1-673-475-13

HKDS-7041

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HDS-7000

MY-65 (39/92)



HDS-7000

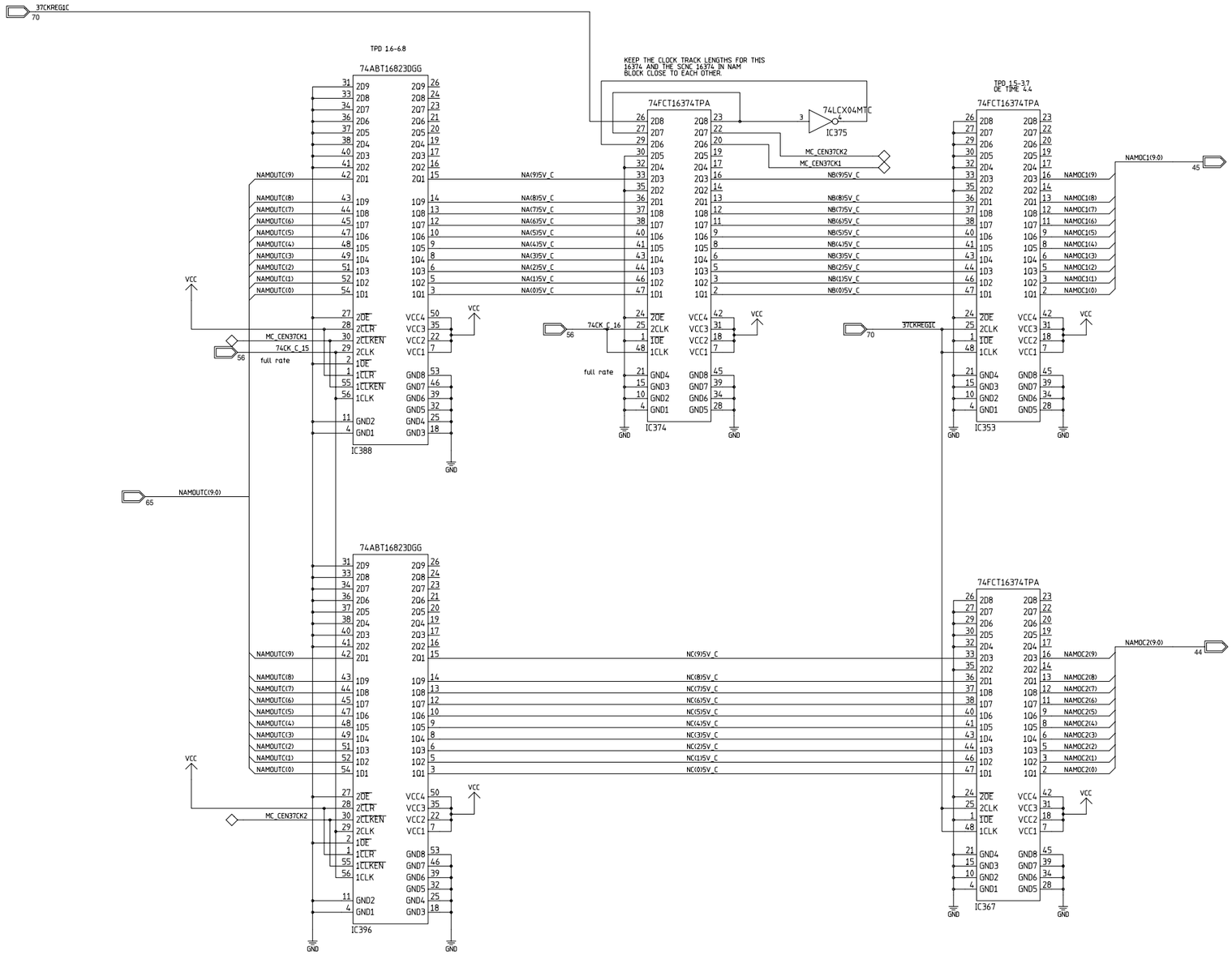
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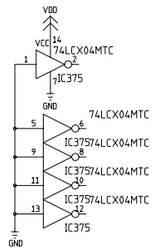
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Frame Memory Board
MY-65 (39/92)
BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (40/92)



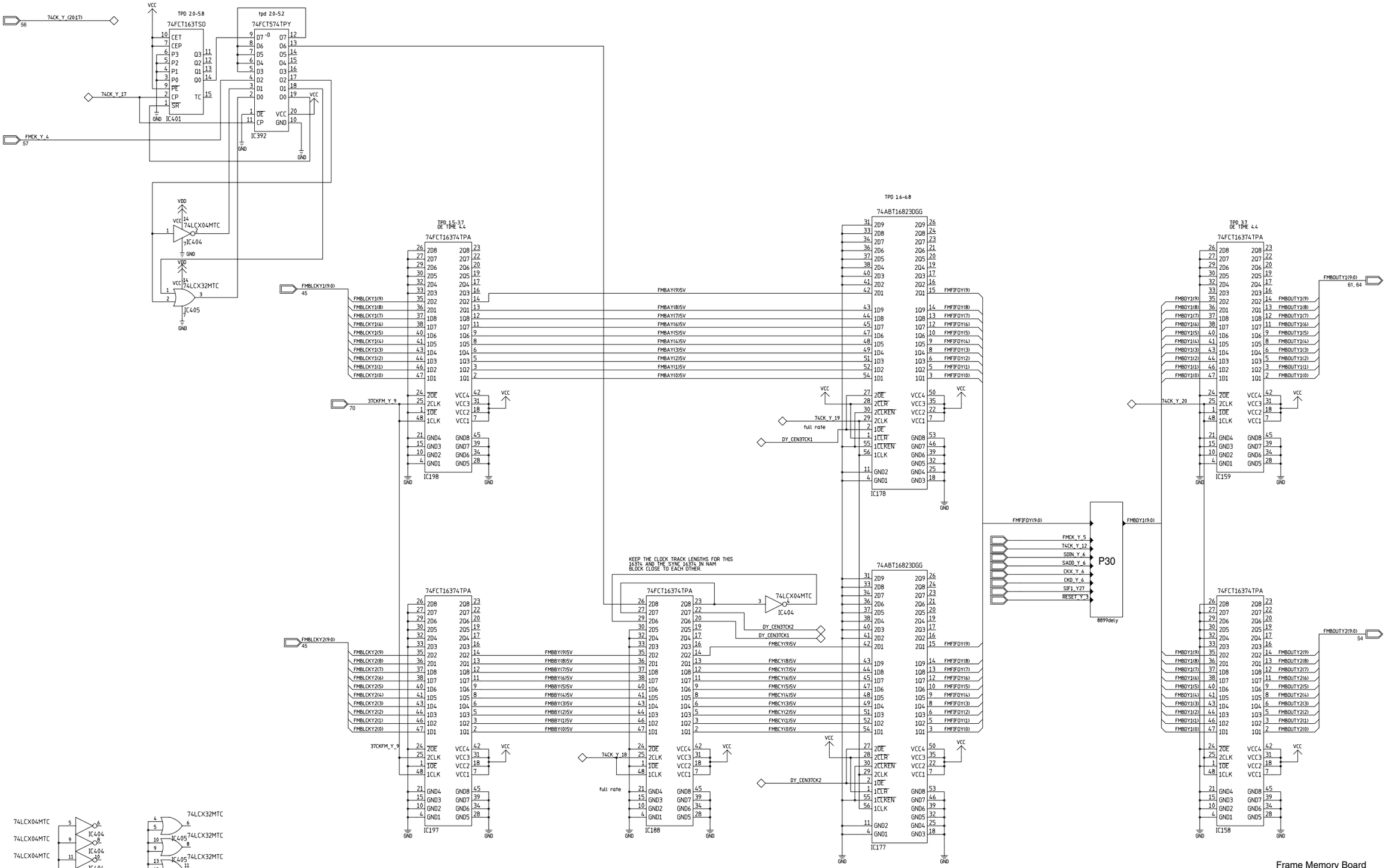


Frame Memory Board
MY-65 (40/92)
BOARD NO. 1-673-475-13

HKDS-7041

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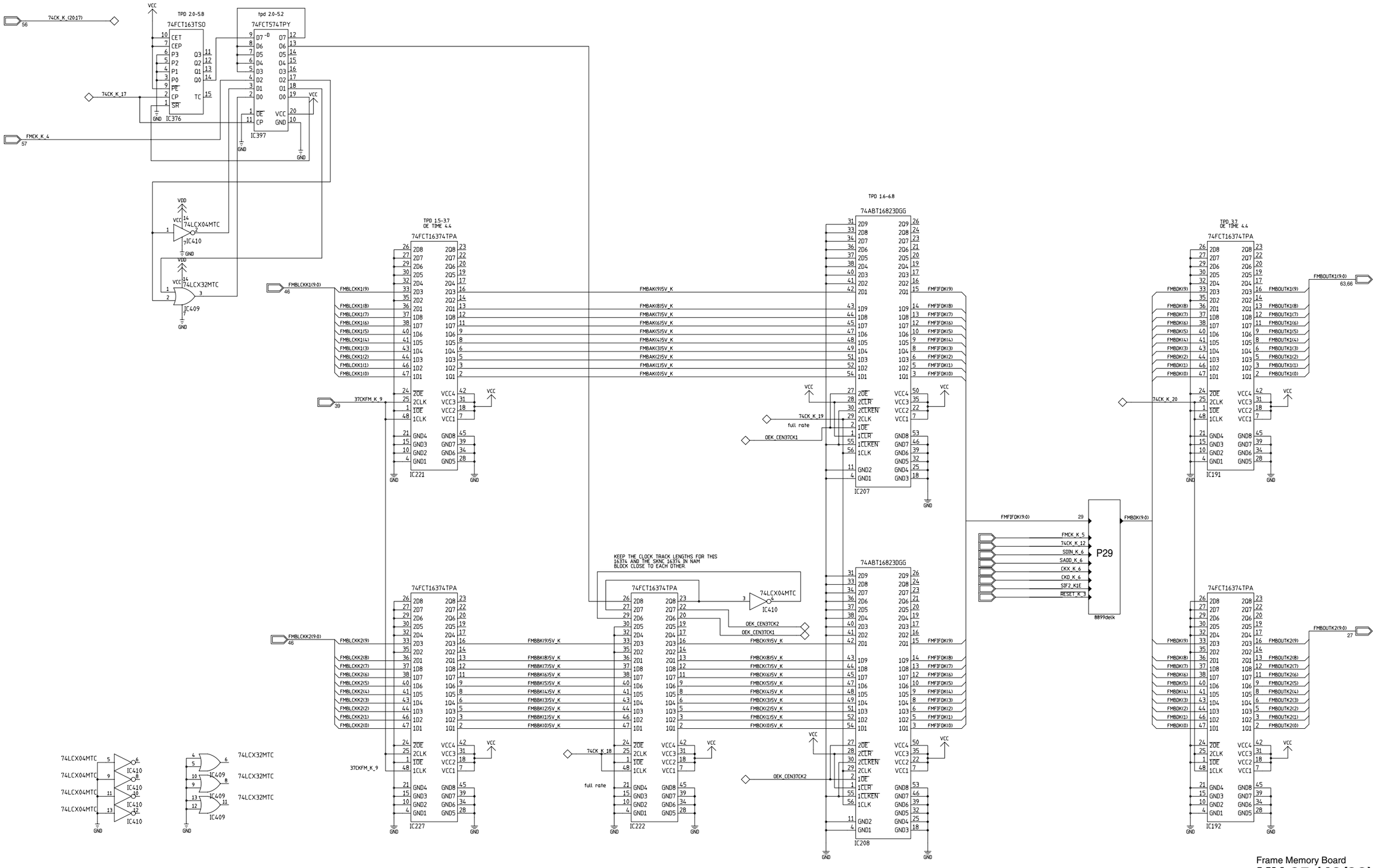
Frame Memory Board

MY-65 (41/92)

BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (42/92)



Frame Memory Board

MY-65 (42/92)

BOARD NO. 1-673-475-13

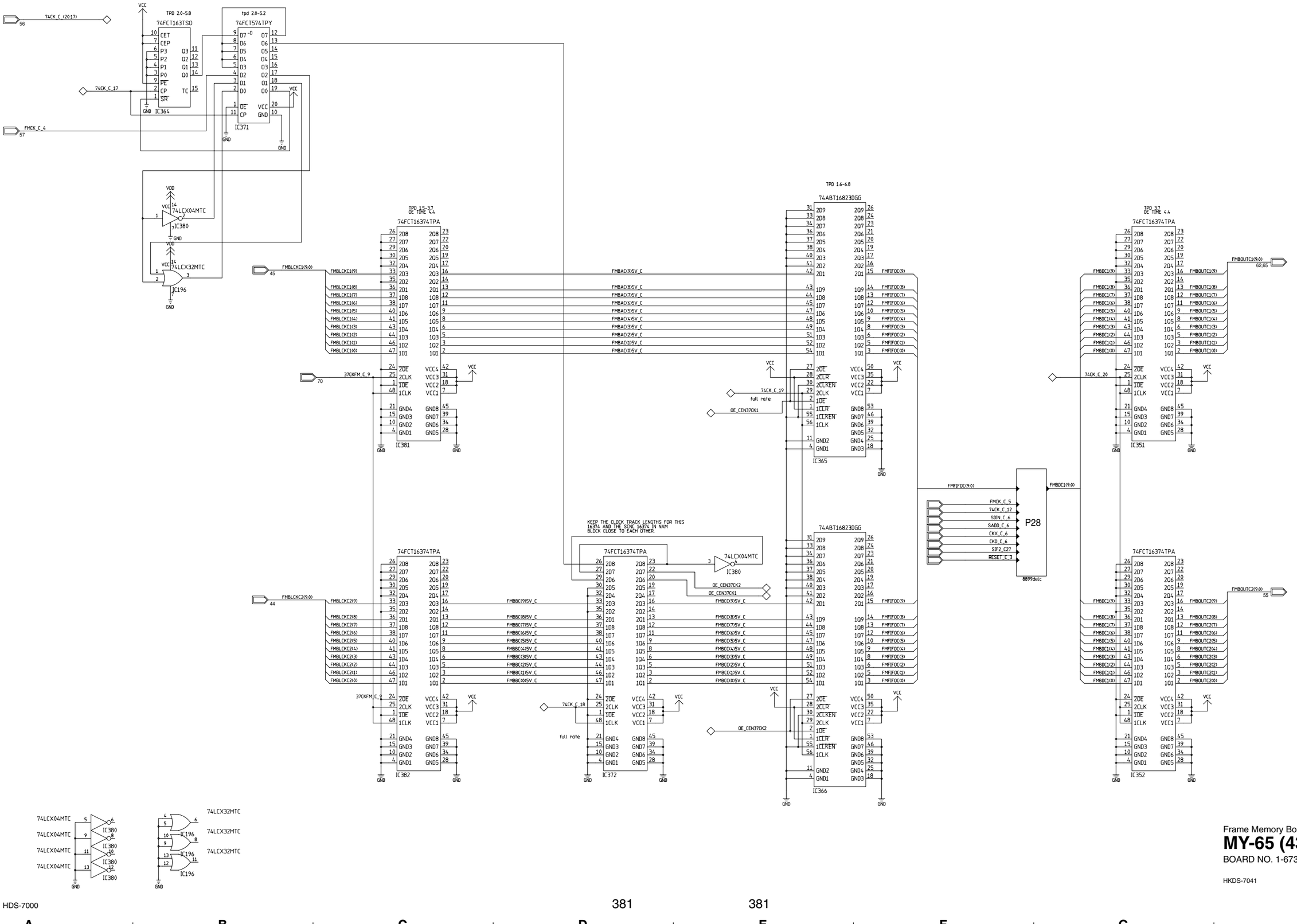
HKDS-7041

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HDS-7000

MY-65 (43/92)



Frame Memory Board

MY-65 (43/92)

BOARD NO. 1-673-475-13

HKDS-7041

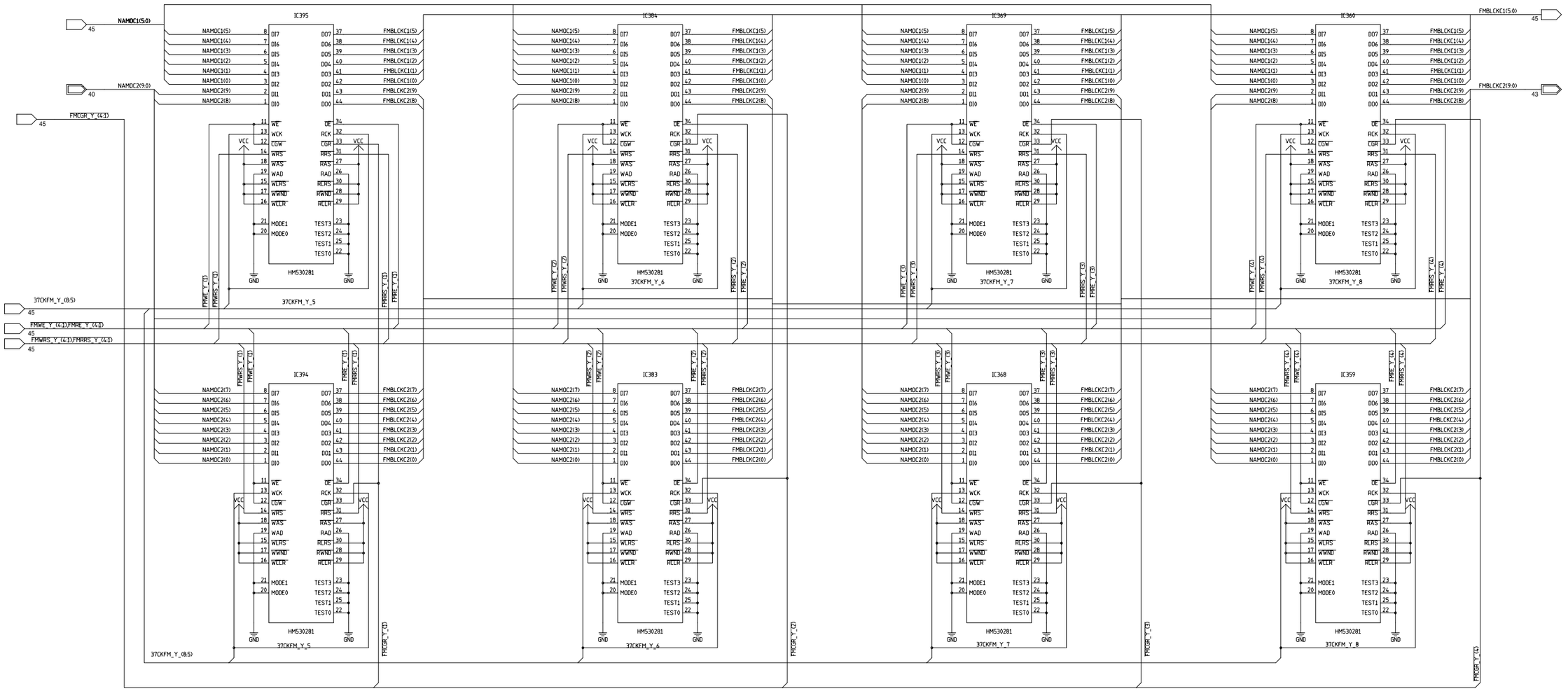
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A B C D E F G H

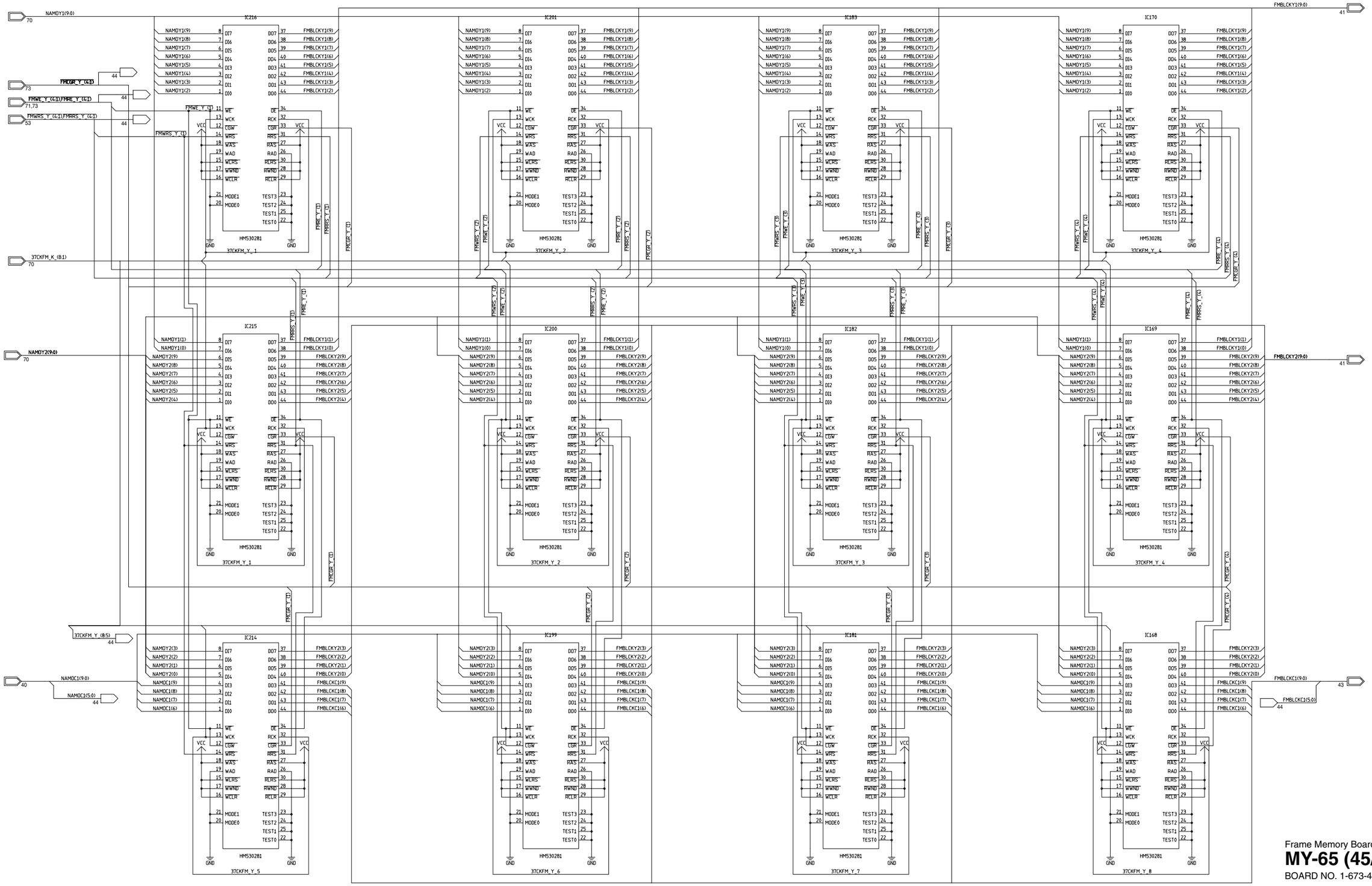
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Frame Memory Board
MY-65 (44/92)
BOARD NO. 1-673-475-13

HKDS-7041

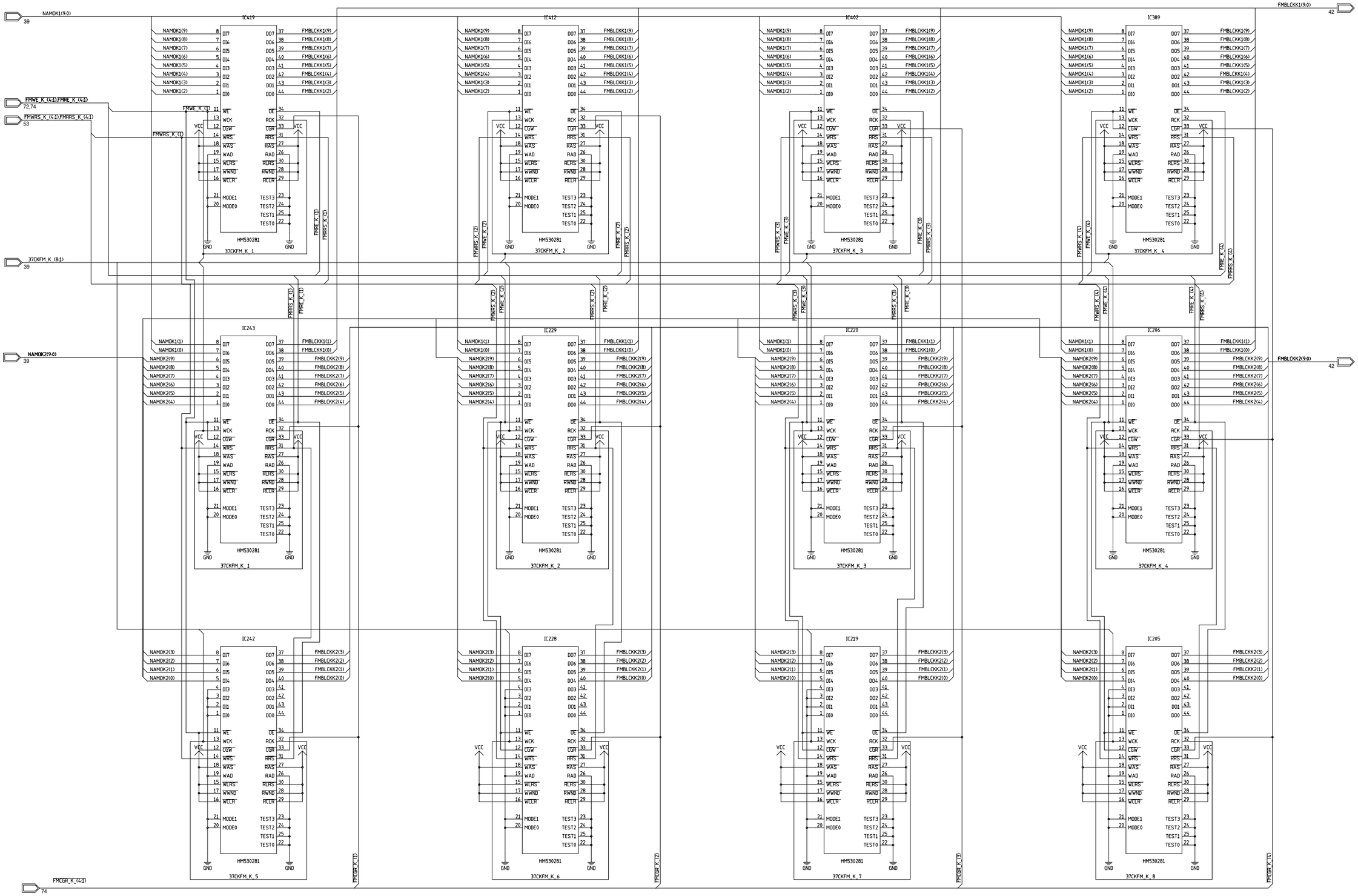
MY-65 (45/92)



Frame Memory Board
MY-65 (45/92)
BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (46/92)



Frame Memory Board

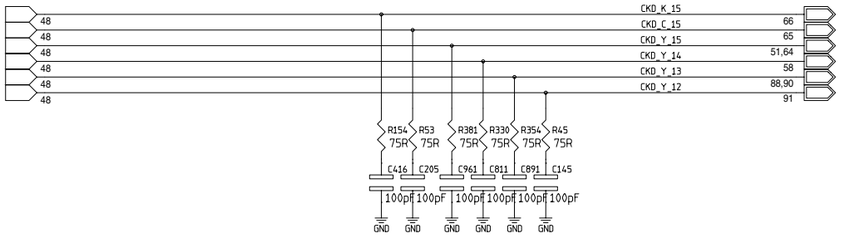
MY-65 (46/92)

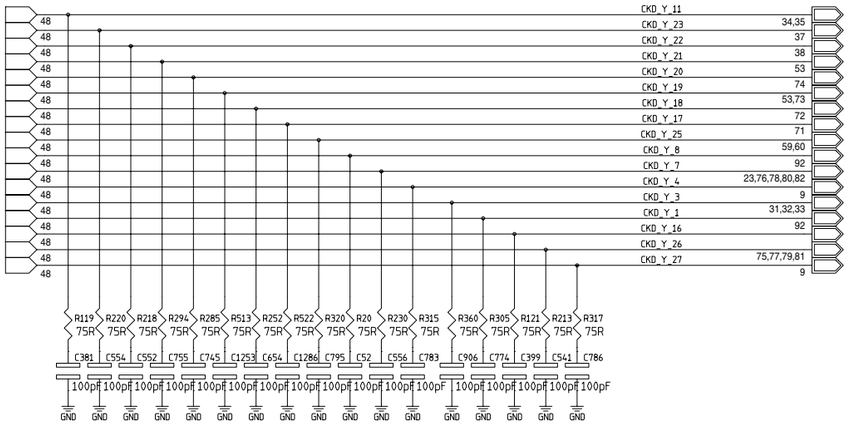
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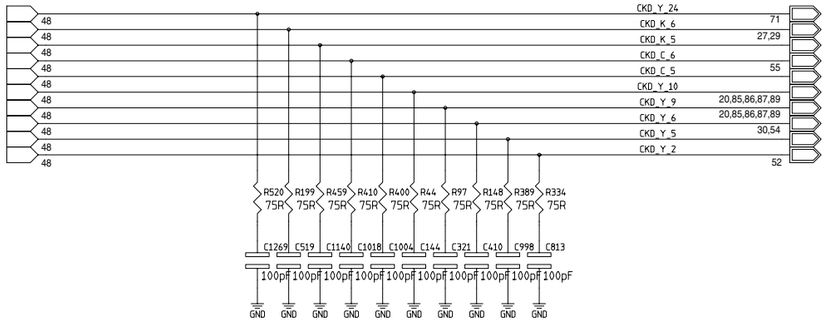
HKDS-7041

HDS-7000

MY-65 (47/92)

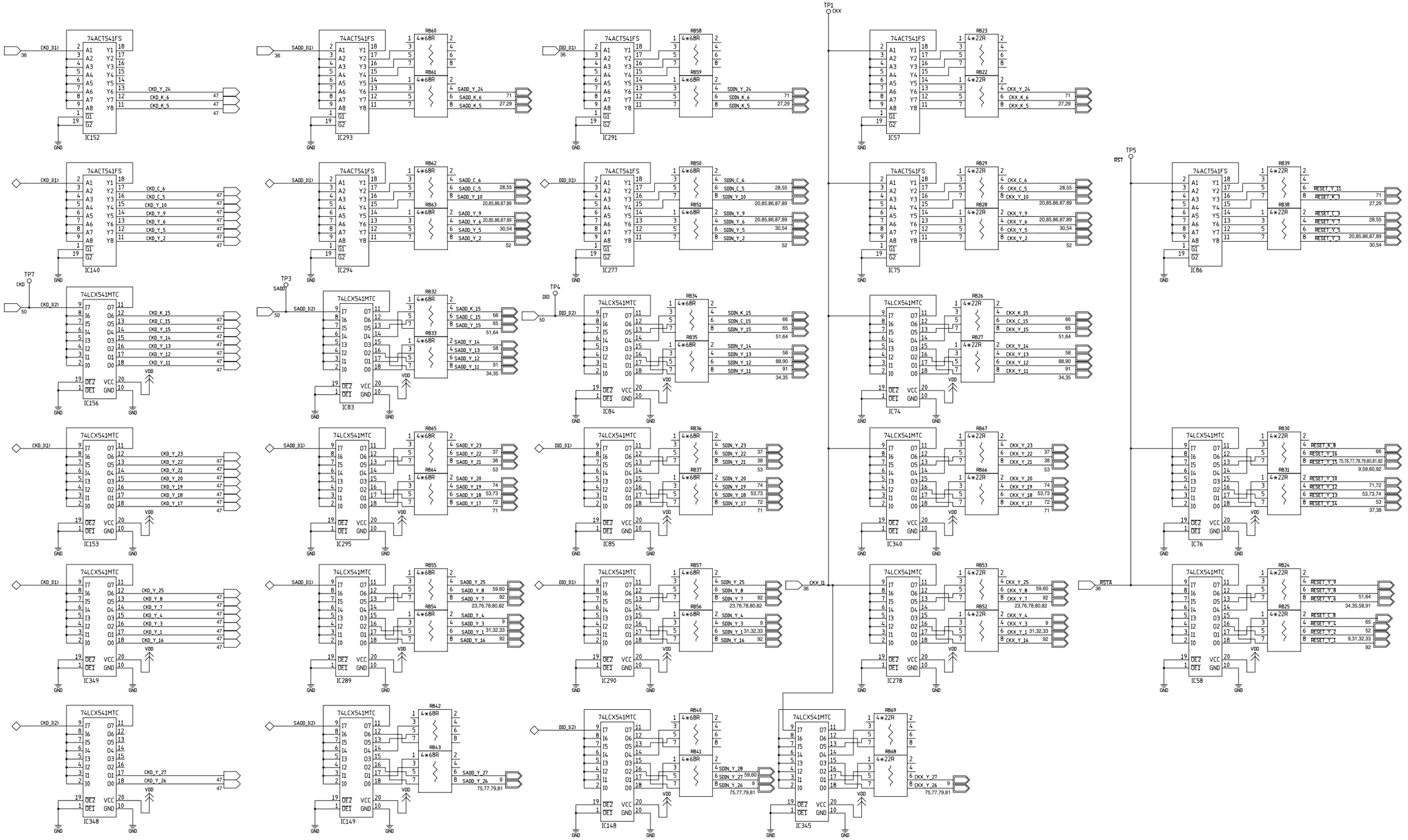






Frame Memory Board
MY-65 (47/92)
BOARD NO. 1-673-475-13

HKDS-7041

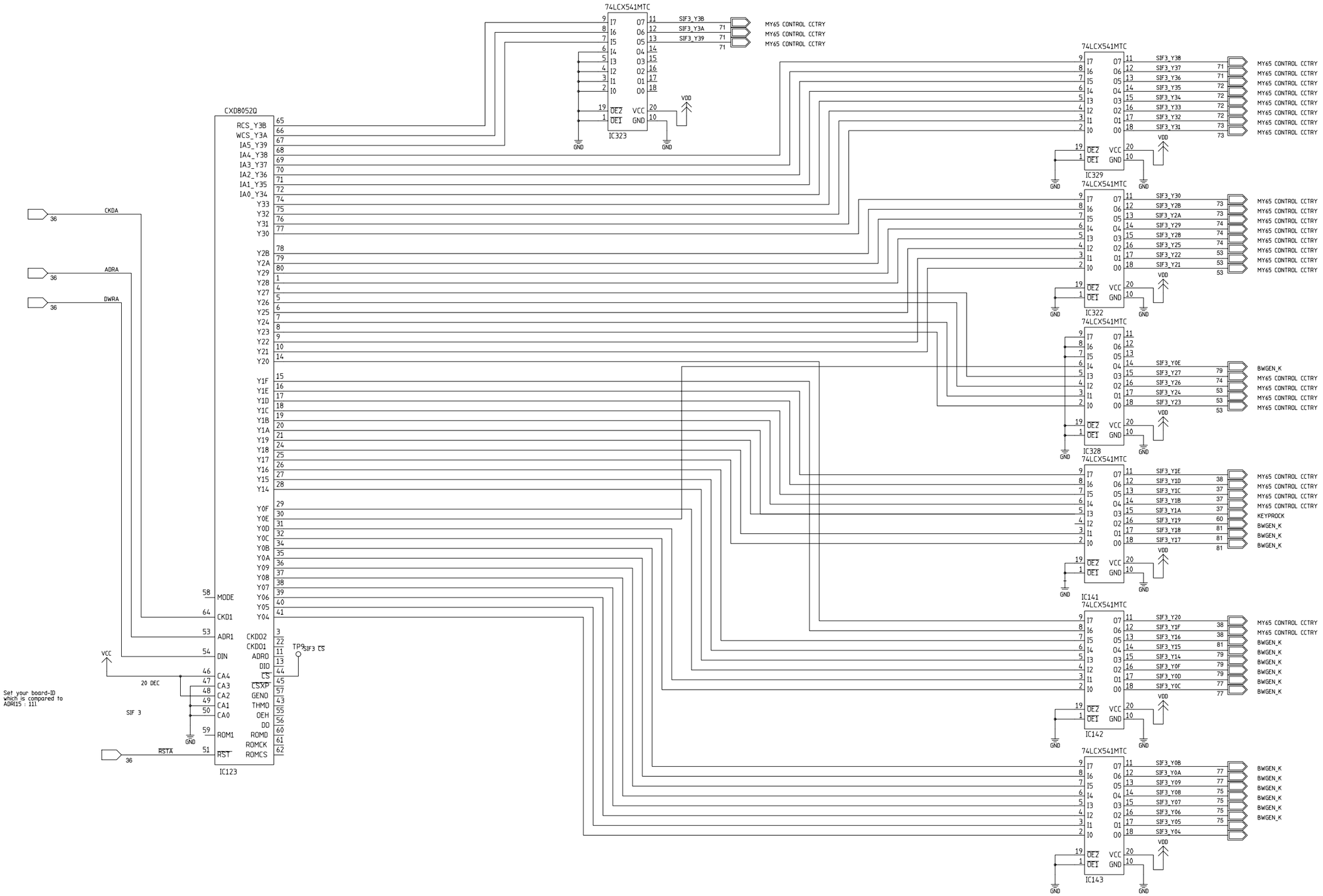


Frame Memory Board

MY-65 (48/92)

BOARD NO. 1-673-475-13

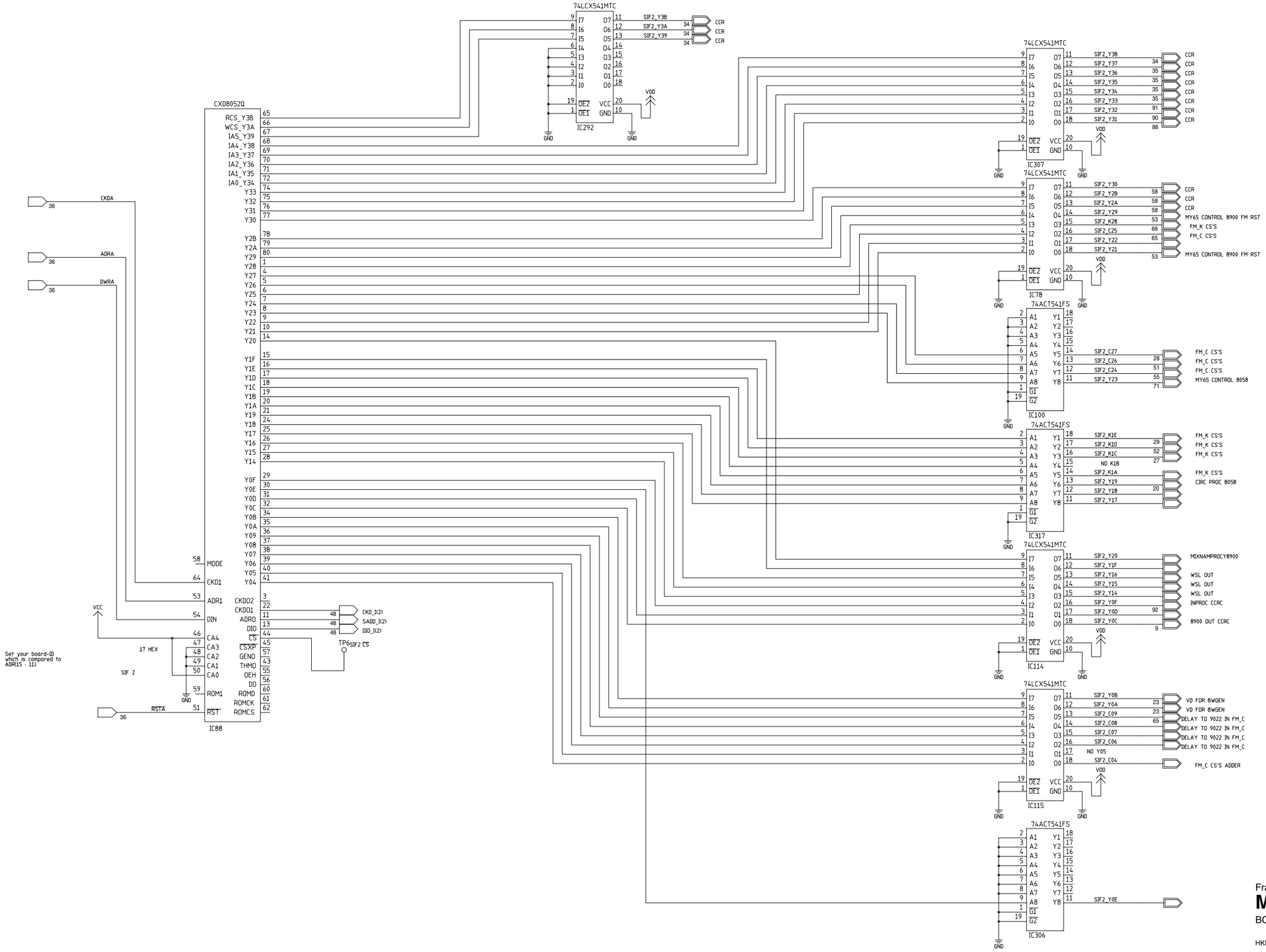
HKDS-7041



Frame Memory Board
MY-65 (49/92)
BOARD NO. 1-673-475-13

HKDS-7041

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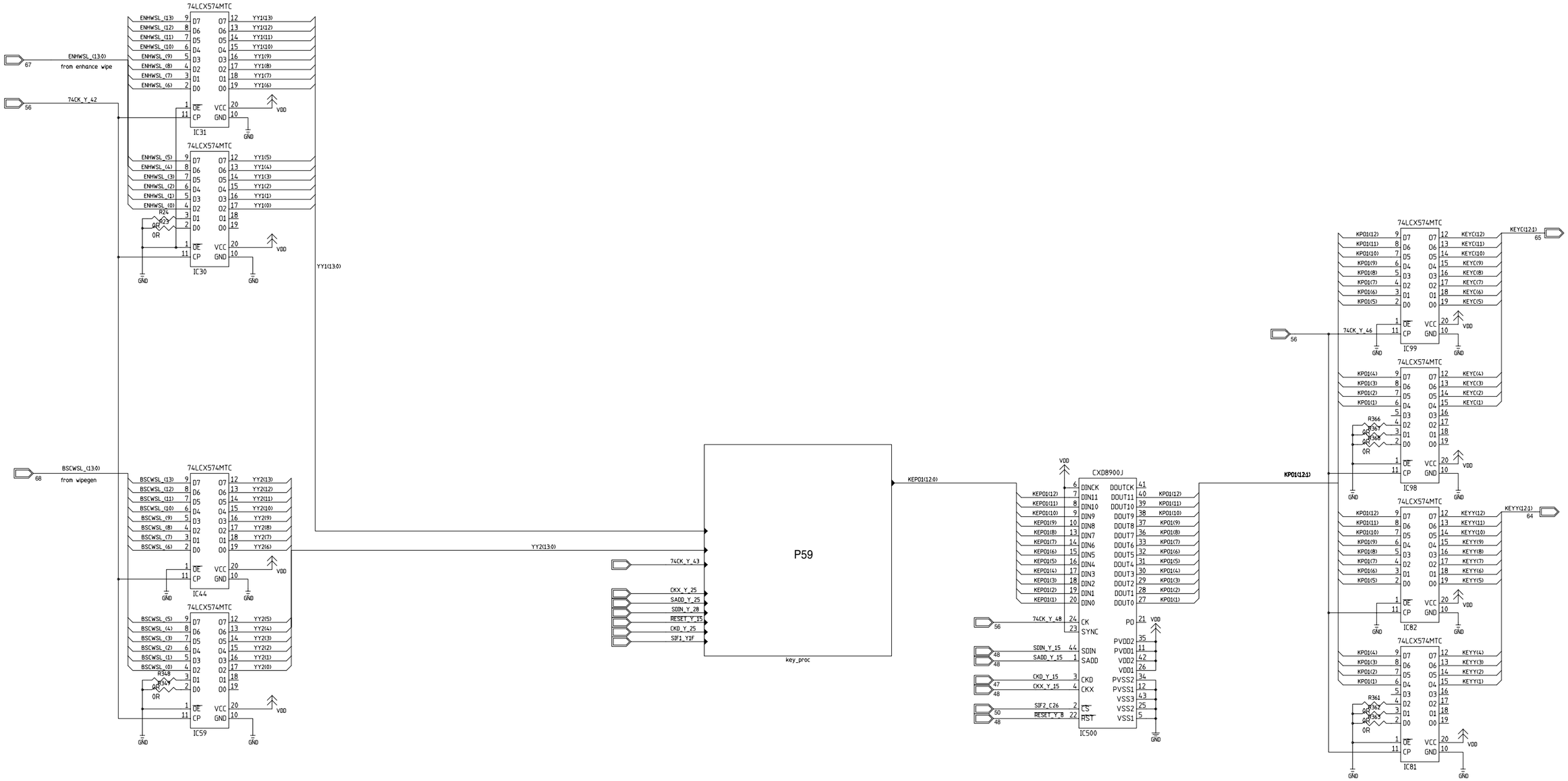
Frame Memory Board

MY-65 (50/92)

BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (51/92)



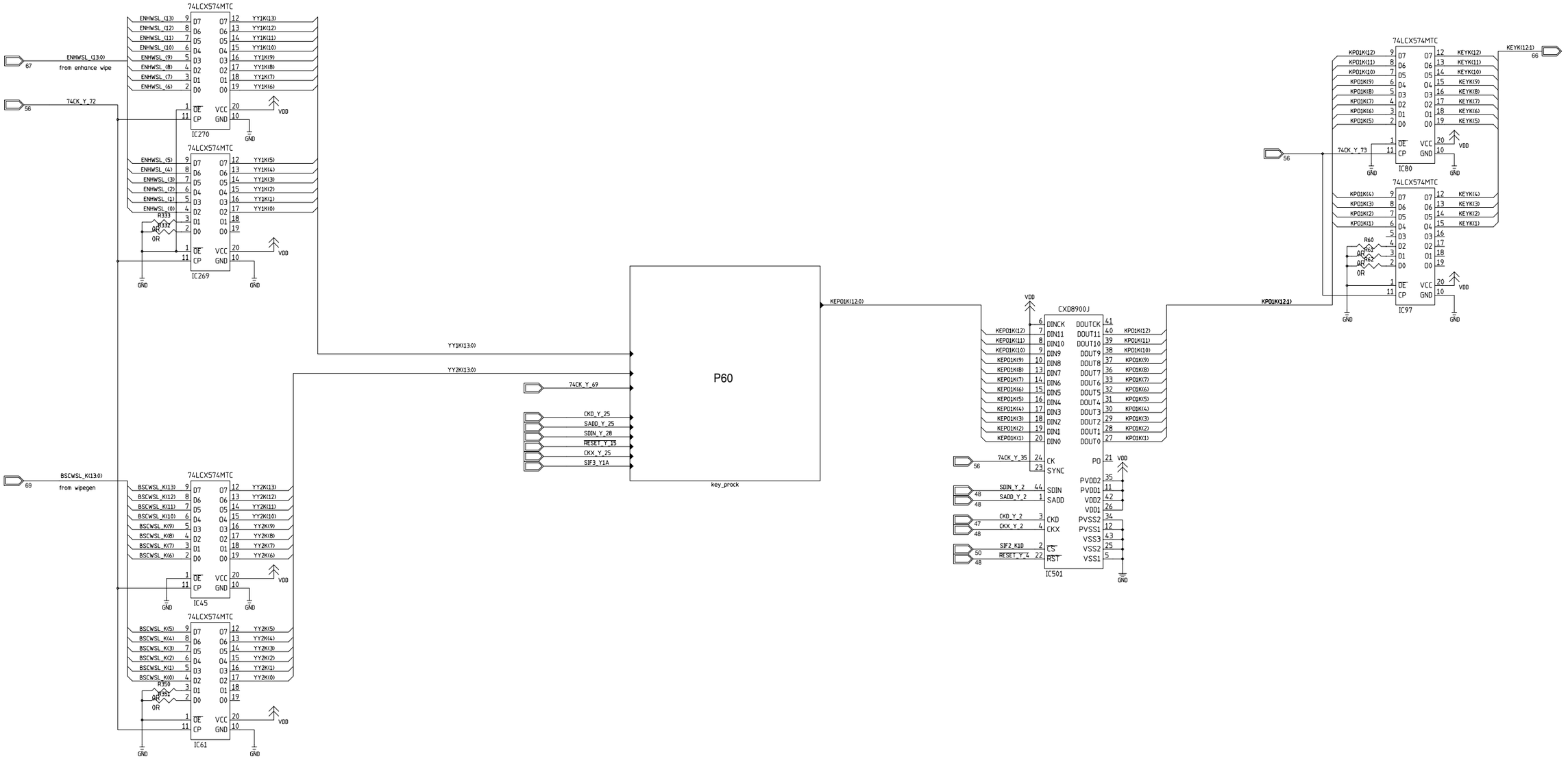
Frame Memory Board
MY-65 (51/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

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MY-65 (52/92)



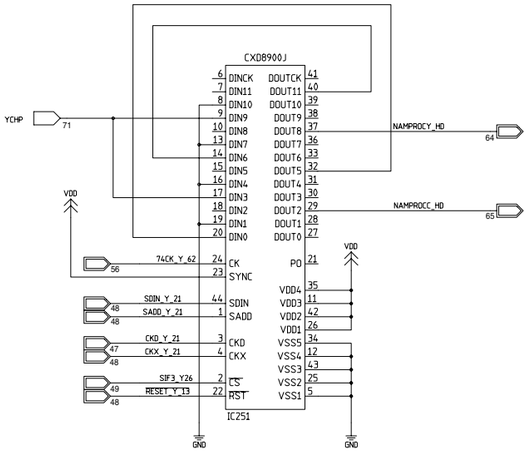
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MY-65 (52/92)
BOARD NO. 1-673-475-13

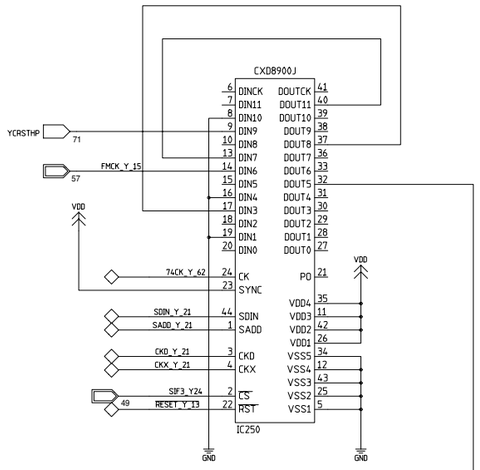
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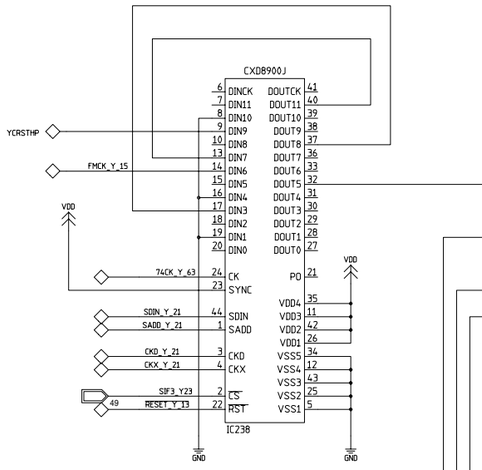
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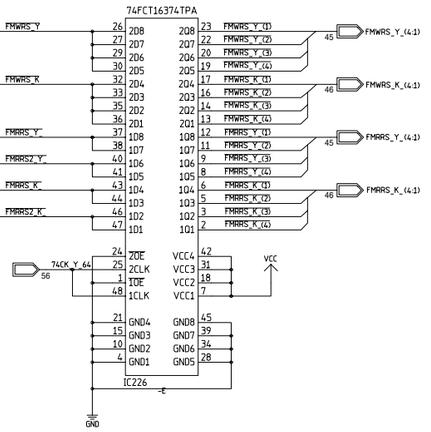
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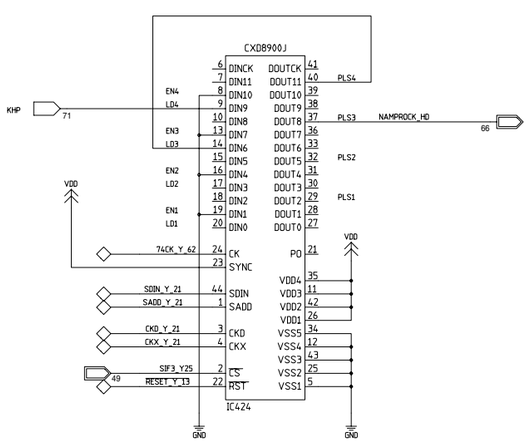
MY-65 (53/92)

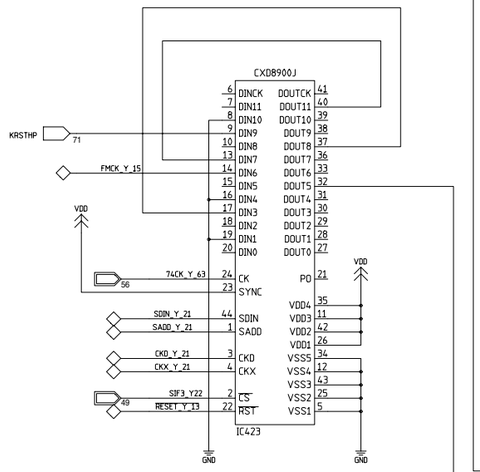


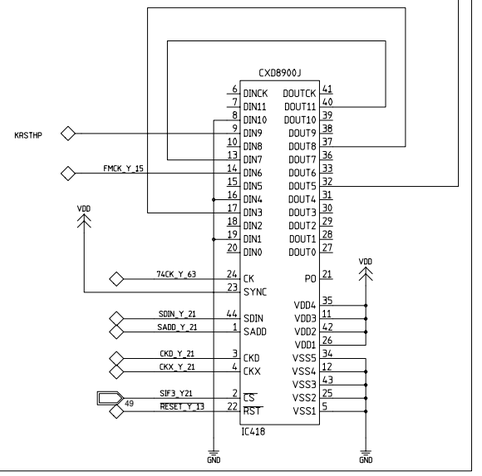


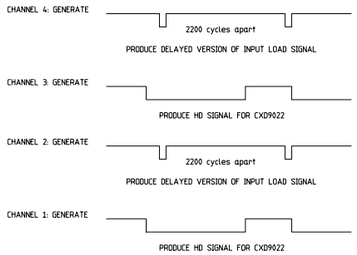


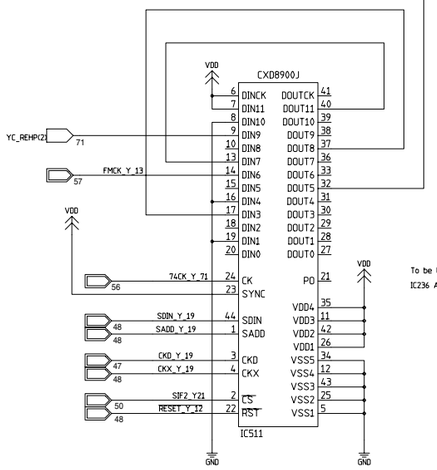




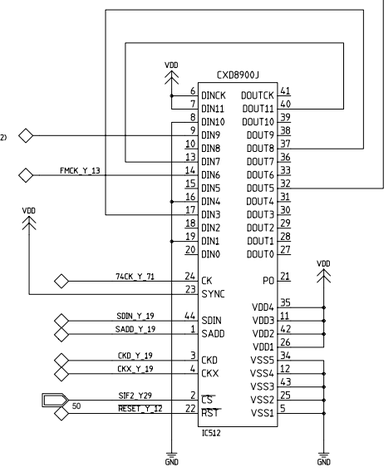


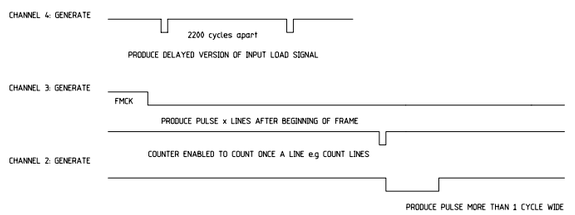






To be located underneath IC236 AND IC248





Frame Memory Board
MY-65 (53/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

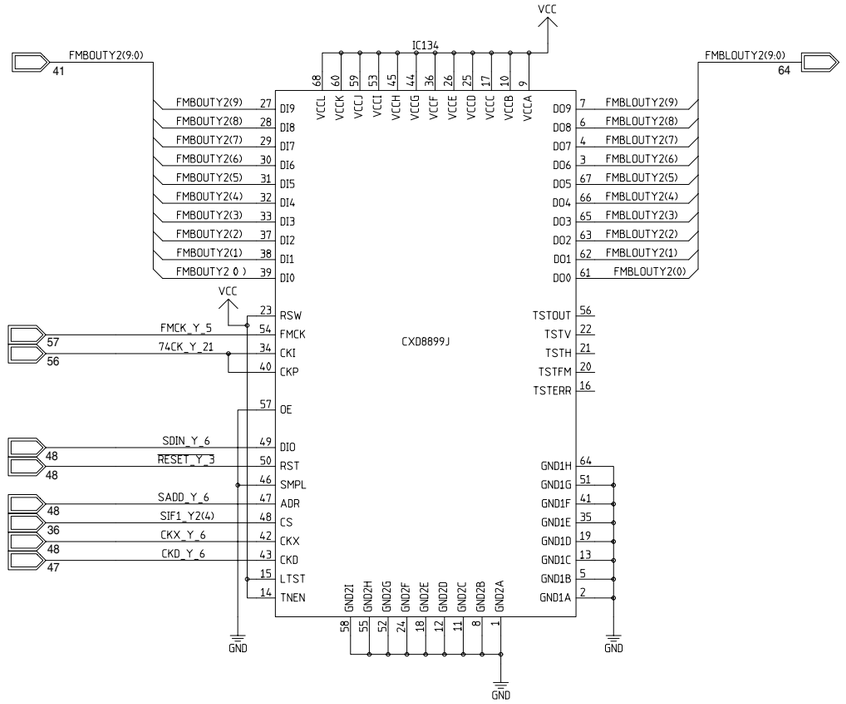
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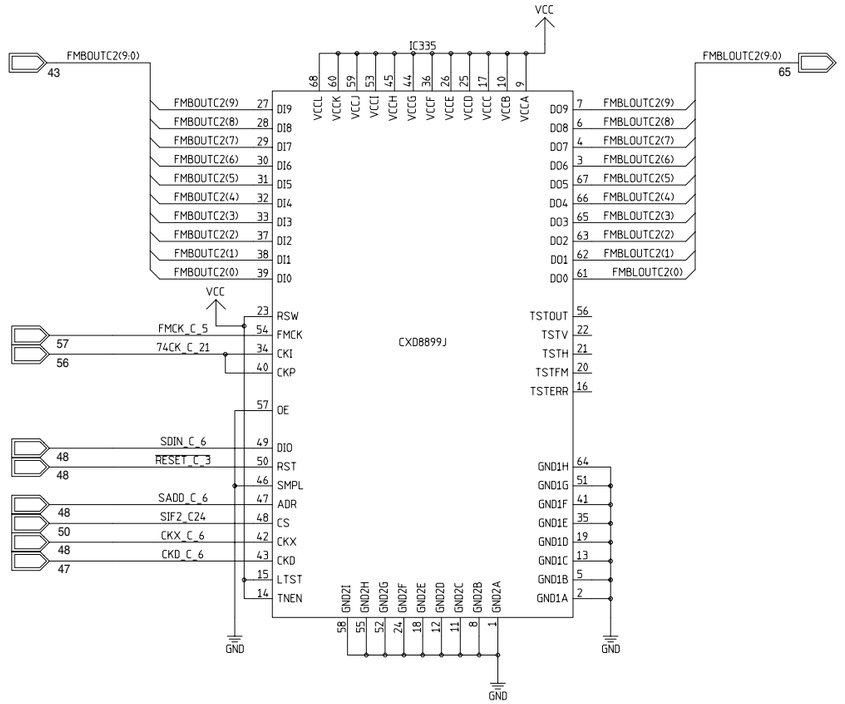
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A B C D E F G H

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MY-65 (54/92)





Frame Memory Board
MY-65 (54/92)
BOARD NO. 1-673-475-13

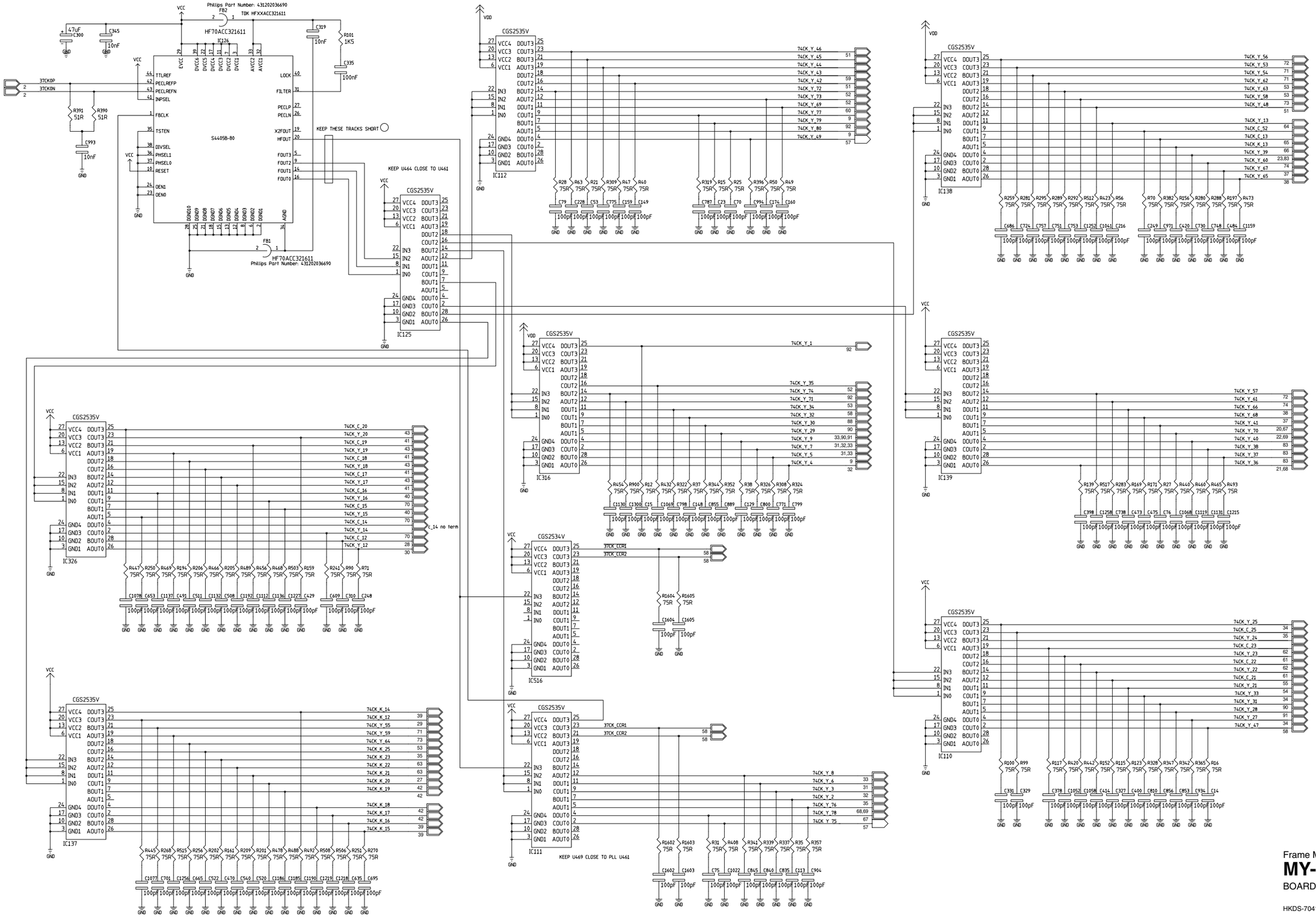
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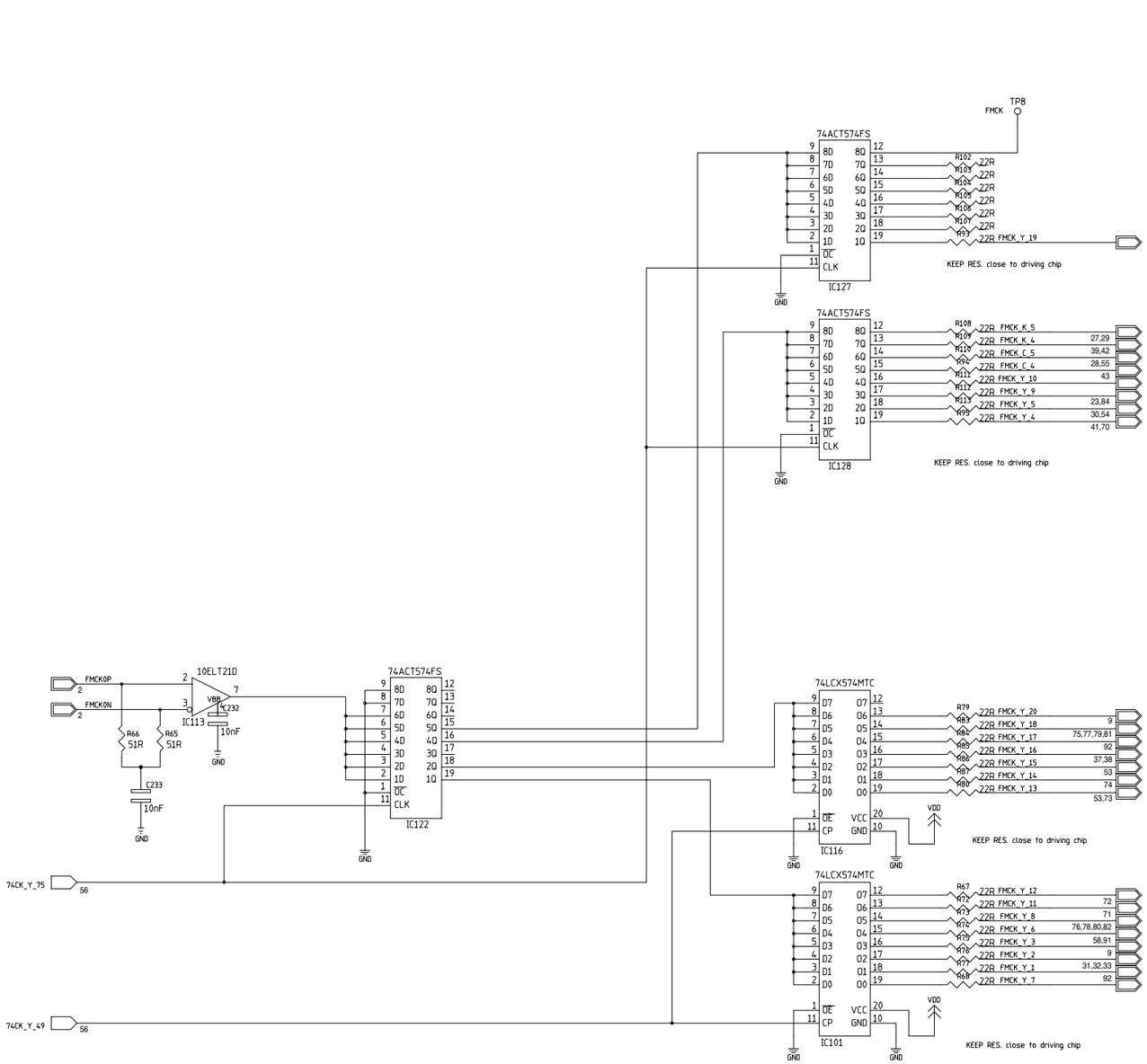
Frame Memory Board
MY-65 (55/92)
BOARD NO. 1-673-475-13

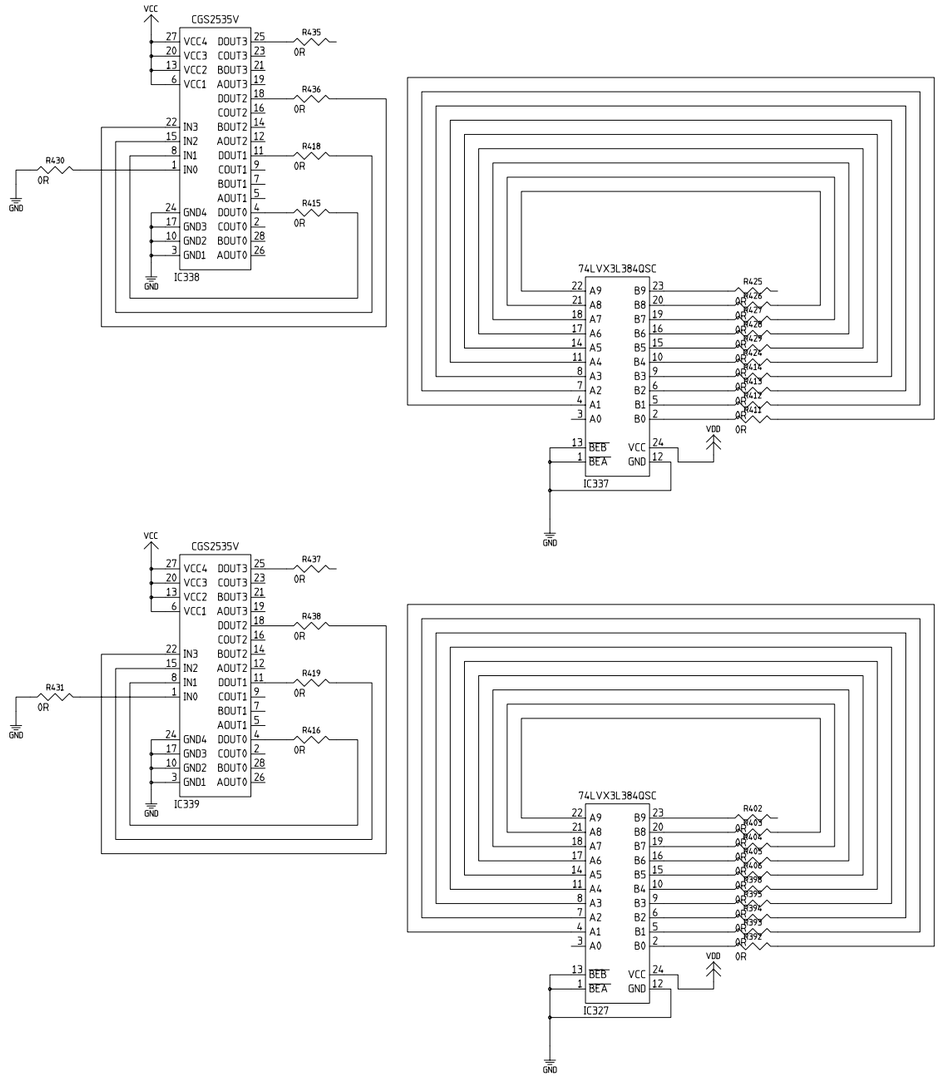
HKDS-7041

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Philips Part Number: 431202036690
TDK HFXXACC321611
HF70ACC321611
IC126
S4405B-80
KEEP THESE TRACKS SHORT
KEEP U464 CLOSE TO U461
KEEP U469 CLOSE TO PLL U461
CGS2535V
CGS2534V
IC125
IC112
IC316
IC326
IC138
IC139
IC137
IC516
IC111
IC110
37CK0P
37CK0N
37CK_CCR1
37CK_CCR2
74CK_C_20
74CK_Y_20
74CK_C_19
74CK_Y_19
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74CK_Y_27
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Frame Memory Board
MY-65 (56/92)
BOARD NO. 1-673-475-13
HKDS-7041
HDS-7000
393
393

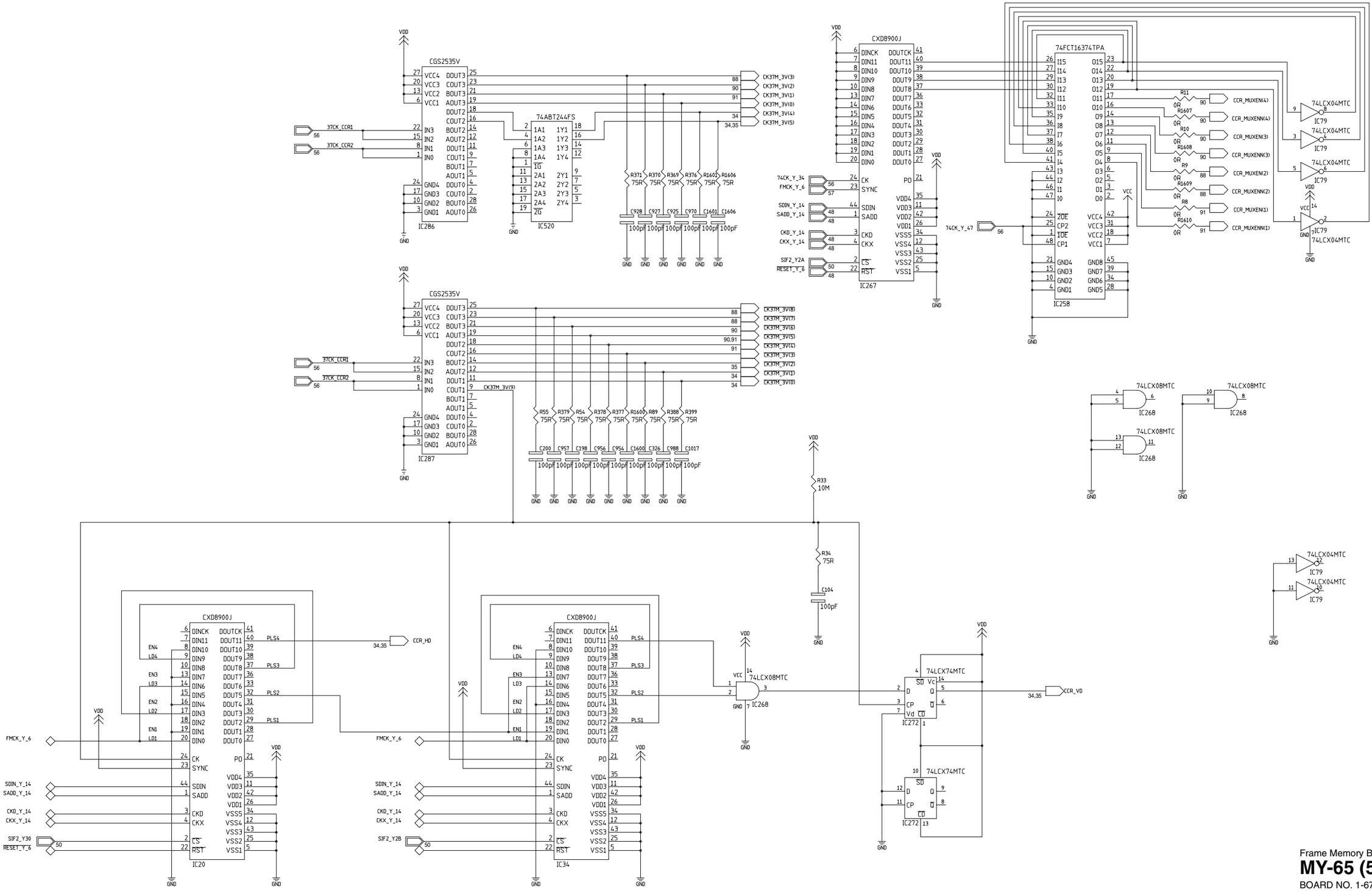




Frame Memory Board
MY-65 (57/92)
BOARD NO. 1-673-475-13

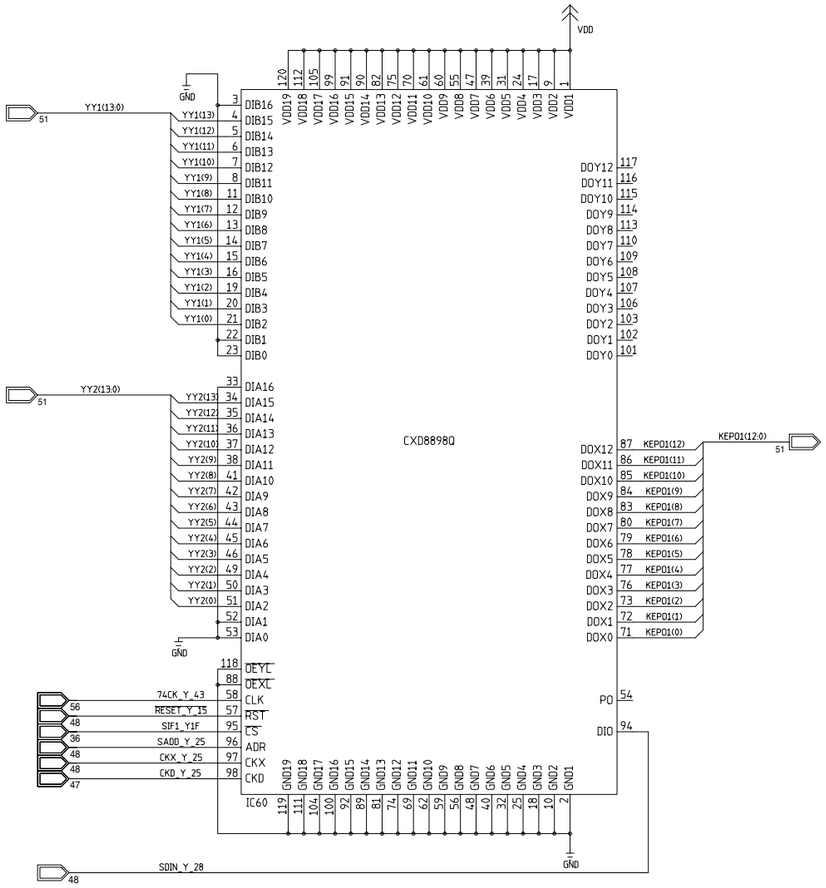
HKDS-7041

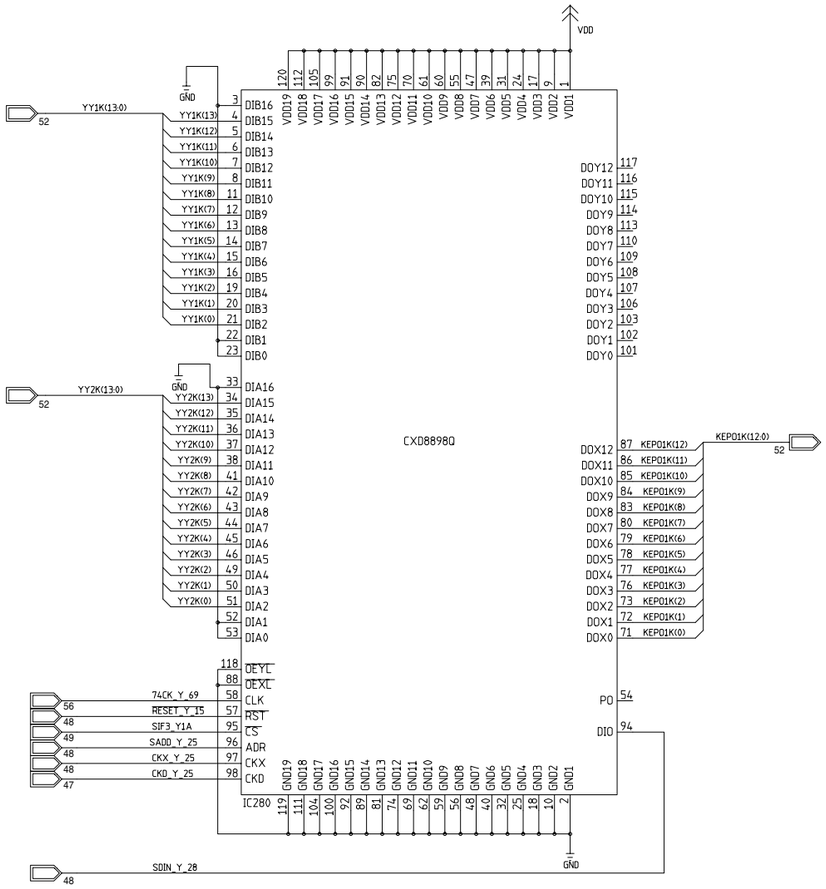
HDS-7000



Frame Memory Board
MY-65 (58/92)
BOARD NO. 1-673-475-13

HKDS-7041



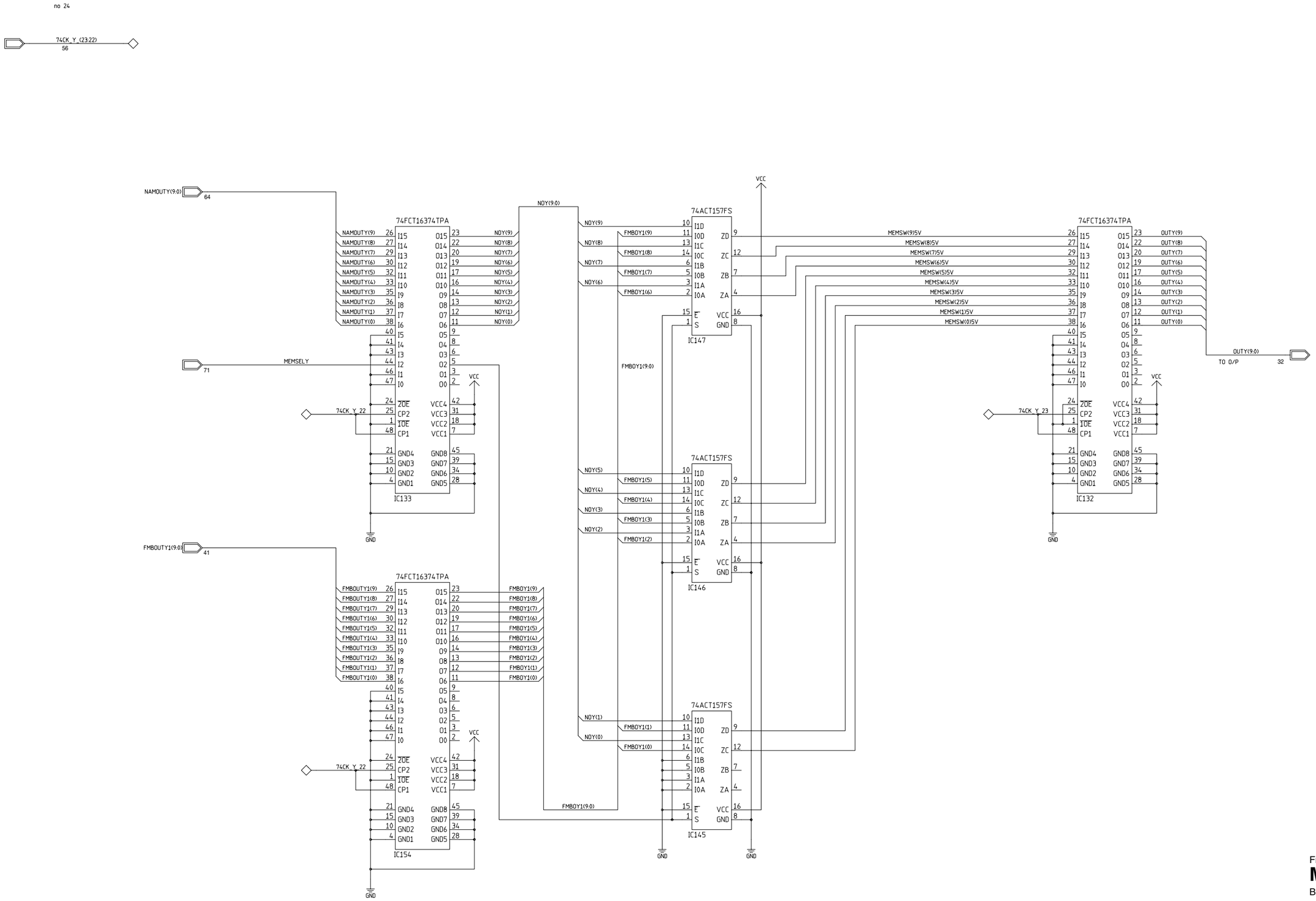


Frame Memory Board
MY-65 (59/92)
BOARD NO. 1-673-475-13

HKDS-7041

Frame Memory Board
MY-65 (60/92)
BOARD NO. 1-673-475-13

HKDS-7041



Frame Memory Board
MY-65 (61/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

MY-65 (62/92)

no 24

74CK_C_(23:22)
56

NAMOUTC(9:0)
65

MEMSELC
71

74CK_C_22

74FCT16374TPA
IC334

NOC(9:0)

74ACT157FS
IC344

VCC

74FCT16374TPA
IC333

OUTC(9:0)
TO O/P
31

74CK_C_23

GND

FMBOUTC1(9:0)
43

74FCT16374TPA
IC350

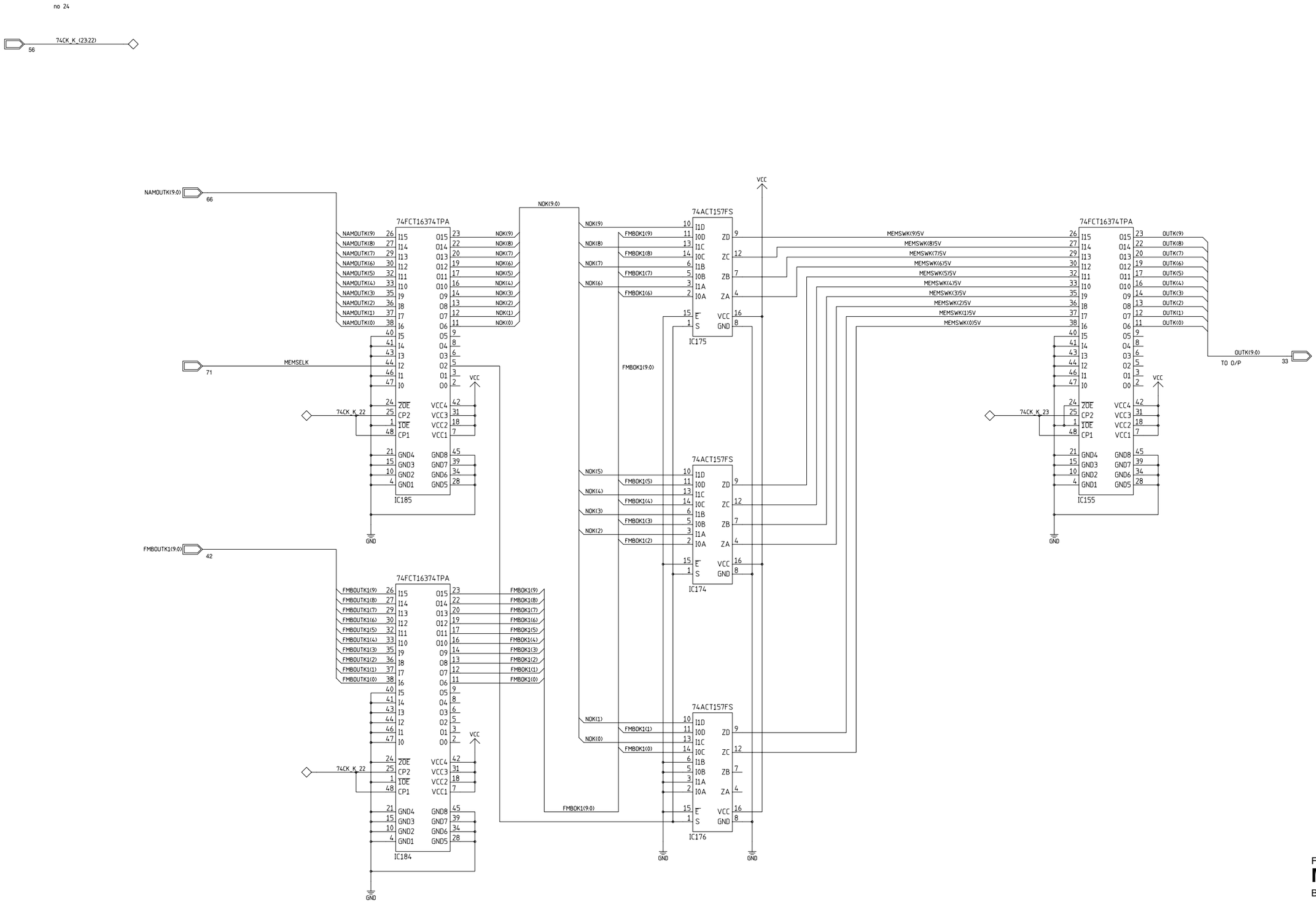
74ACT157FS
IC343

74ACT157FS
IC342

FMBOC1(9:0)

Frame Memory Board
MY-65 (62/92)
BOARD NO. 1-673-475-13

HKDS-7041

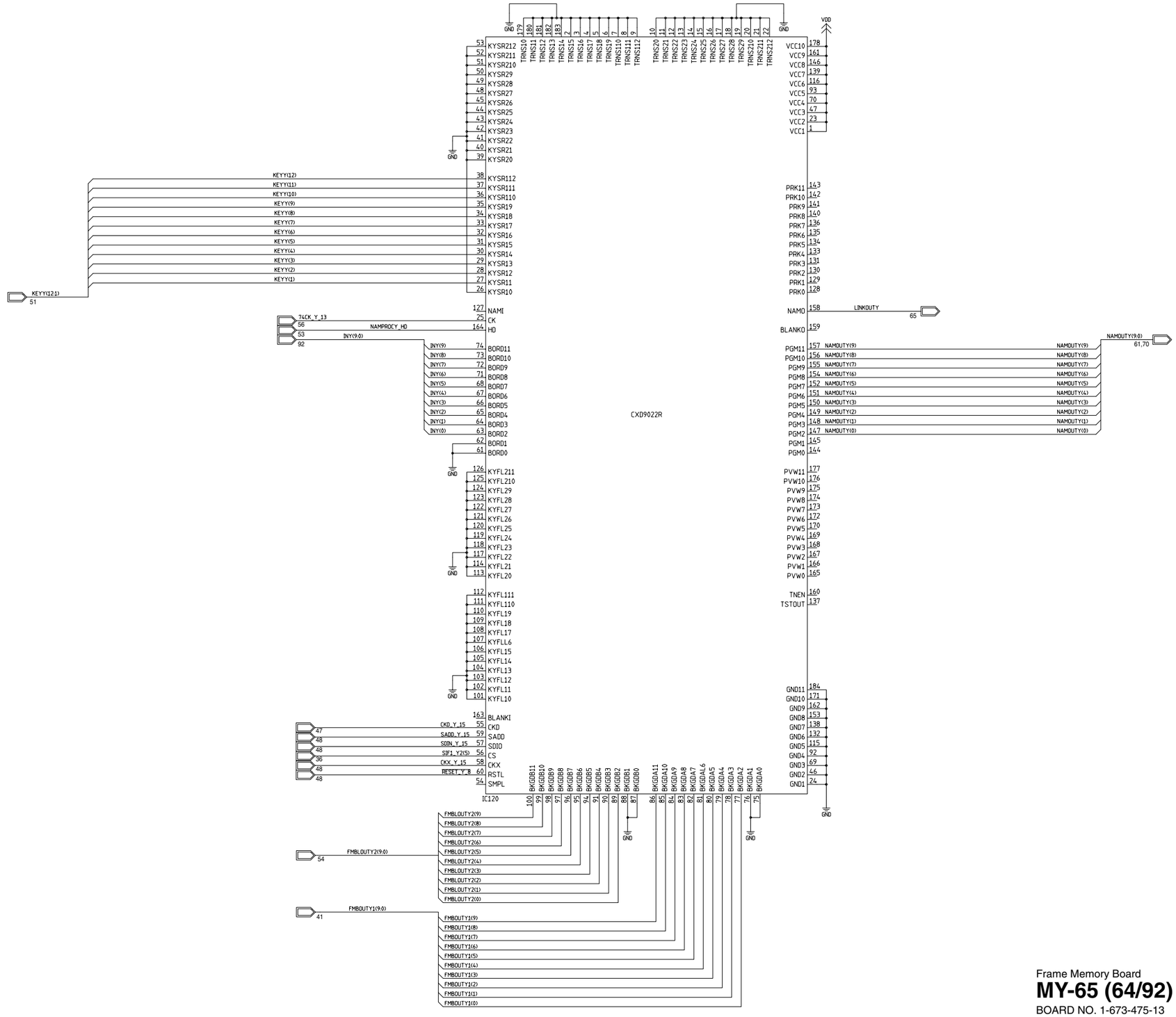


Frame Memory Board
MY-65 (63/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

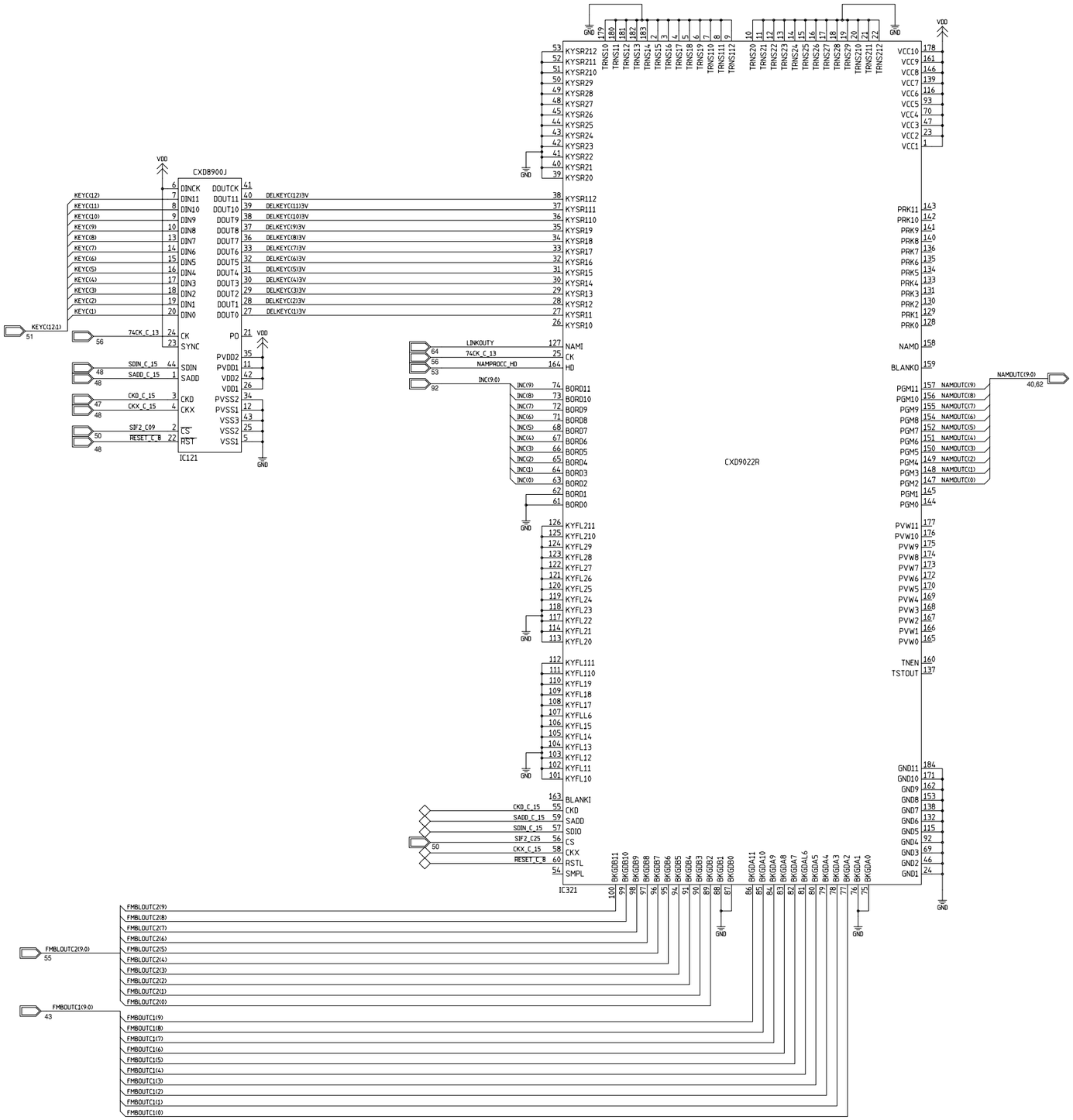
MY-65 (64/92)



Frame Memory Board
MY-65 (64/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000



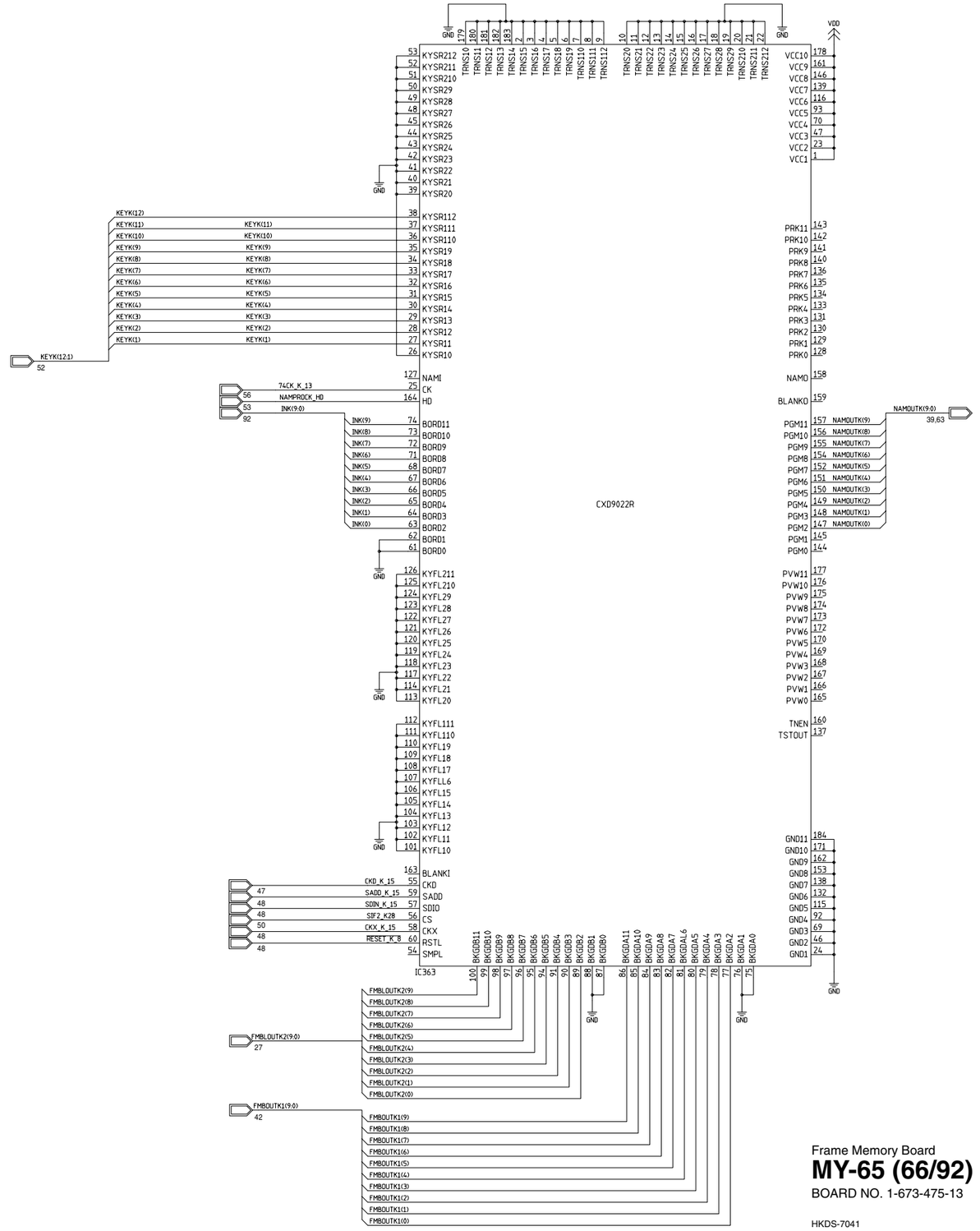
Frame Memory Board

MY-65 (65/92)

BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (66/92)



Frame Memory Board

MY-65 (66/92)

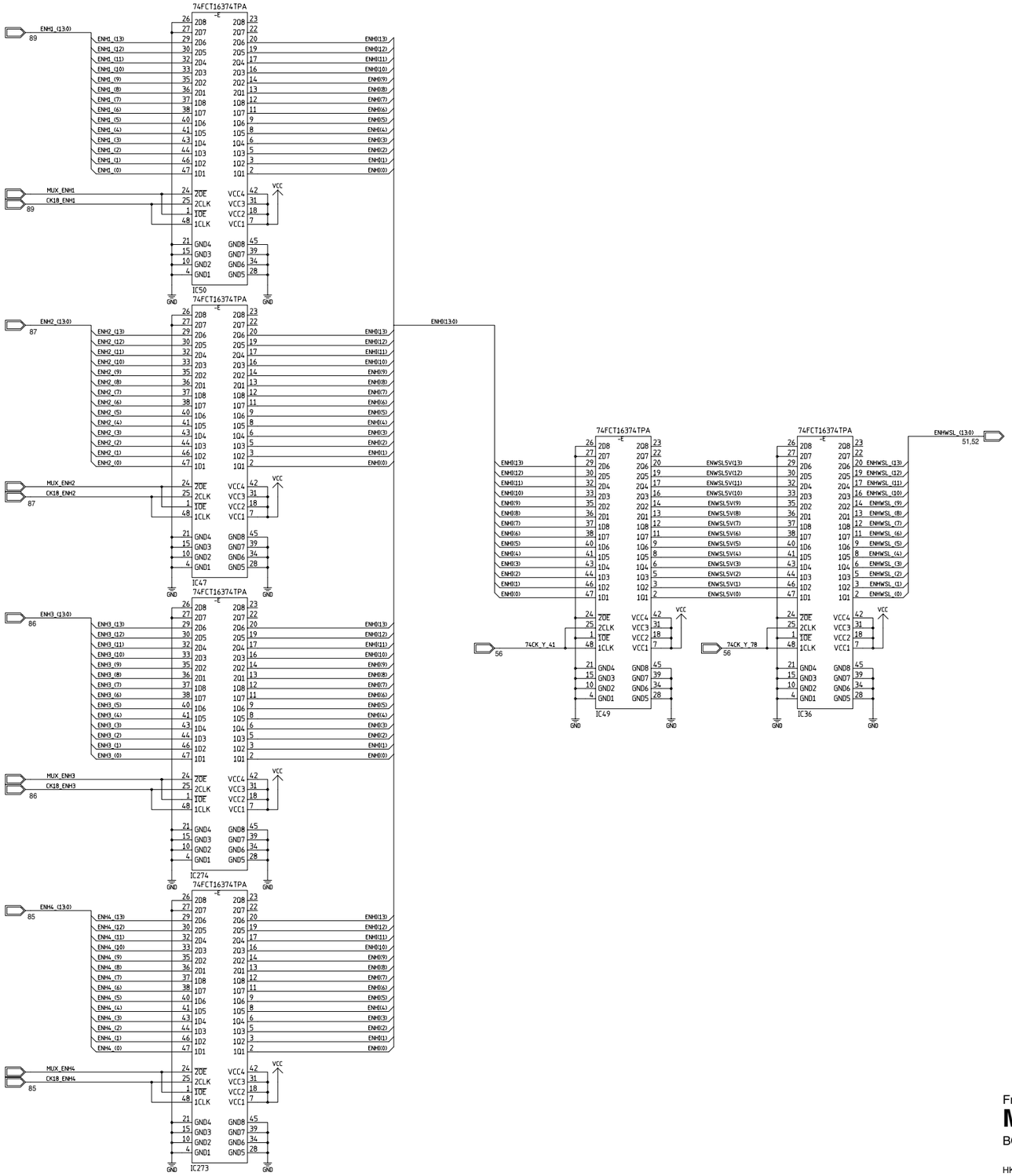
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

402

MY-65 (67/92)



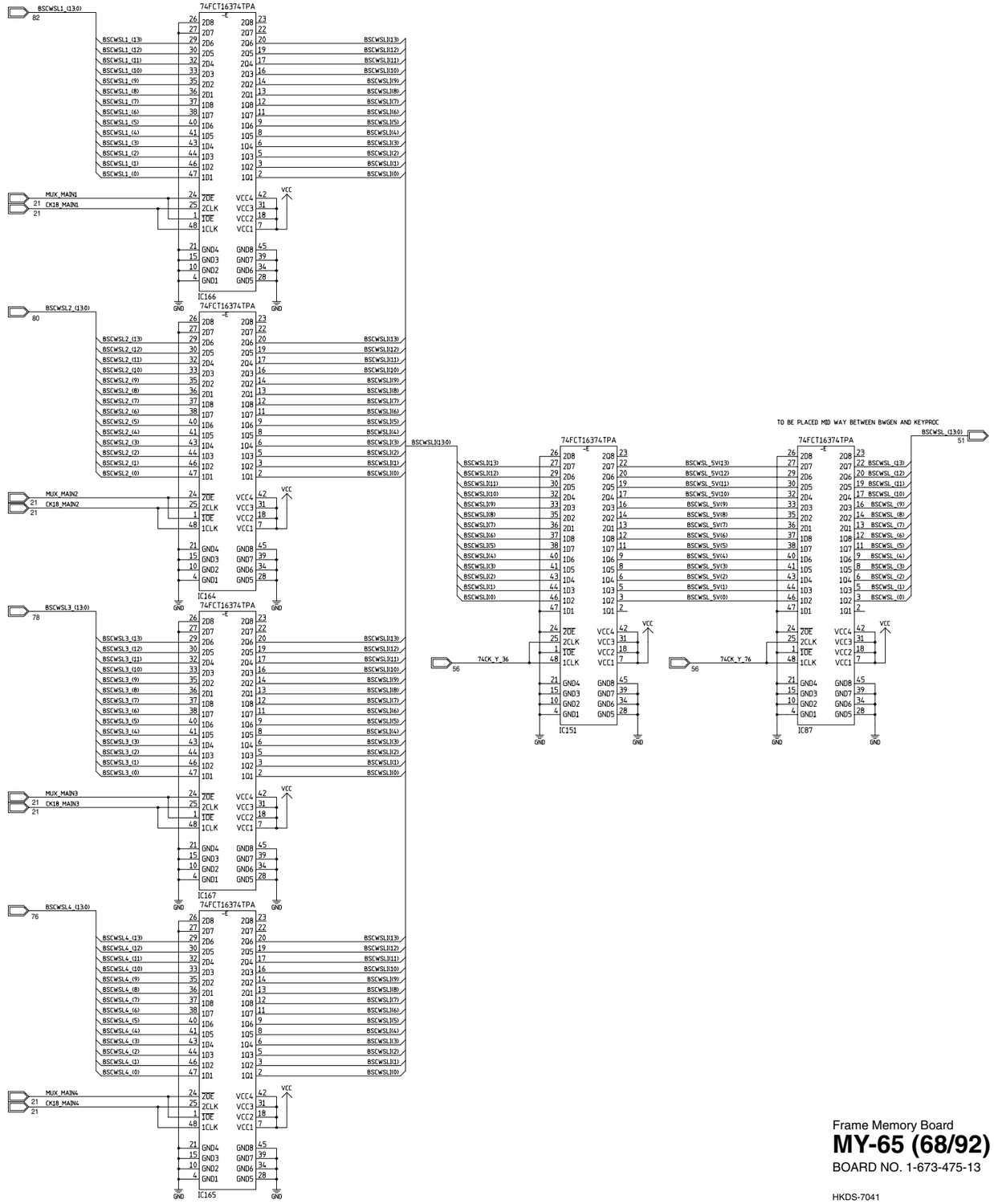
HDS-7000

Frame Memory Board
MY-65 (67/92)
BOARD NO. 1-673-475-13

HKDS-7041

403

MY-65 (68/92)



Frame Memory Board

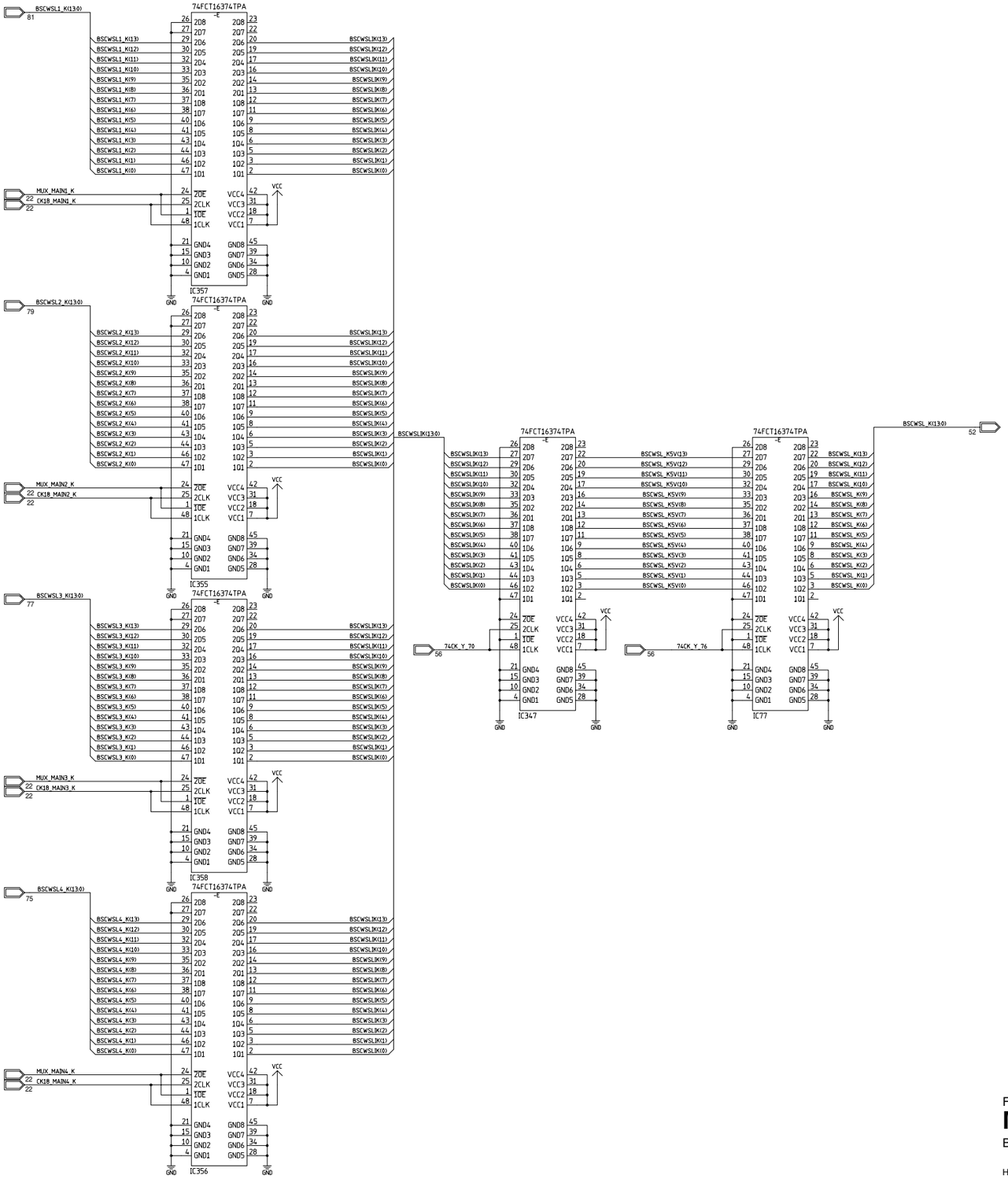
MY-65 (68/92)

BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

404

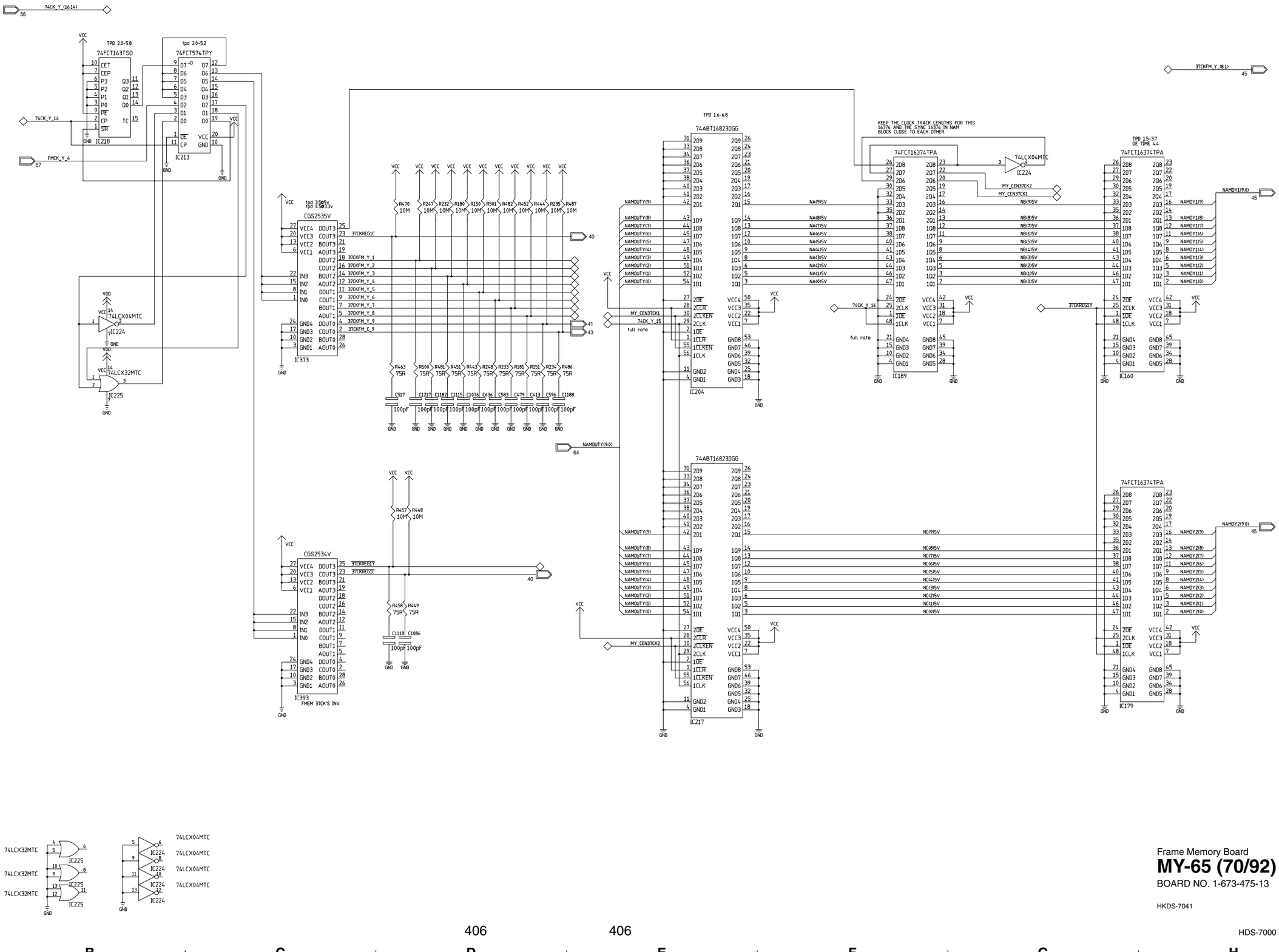


Frame Memory Board

MY-65 (69/92)

BOARD NO. 1-673-475-13

HKDS-7041

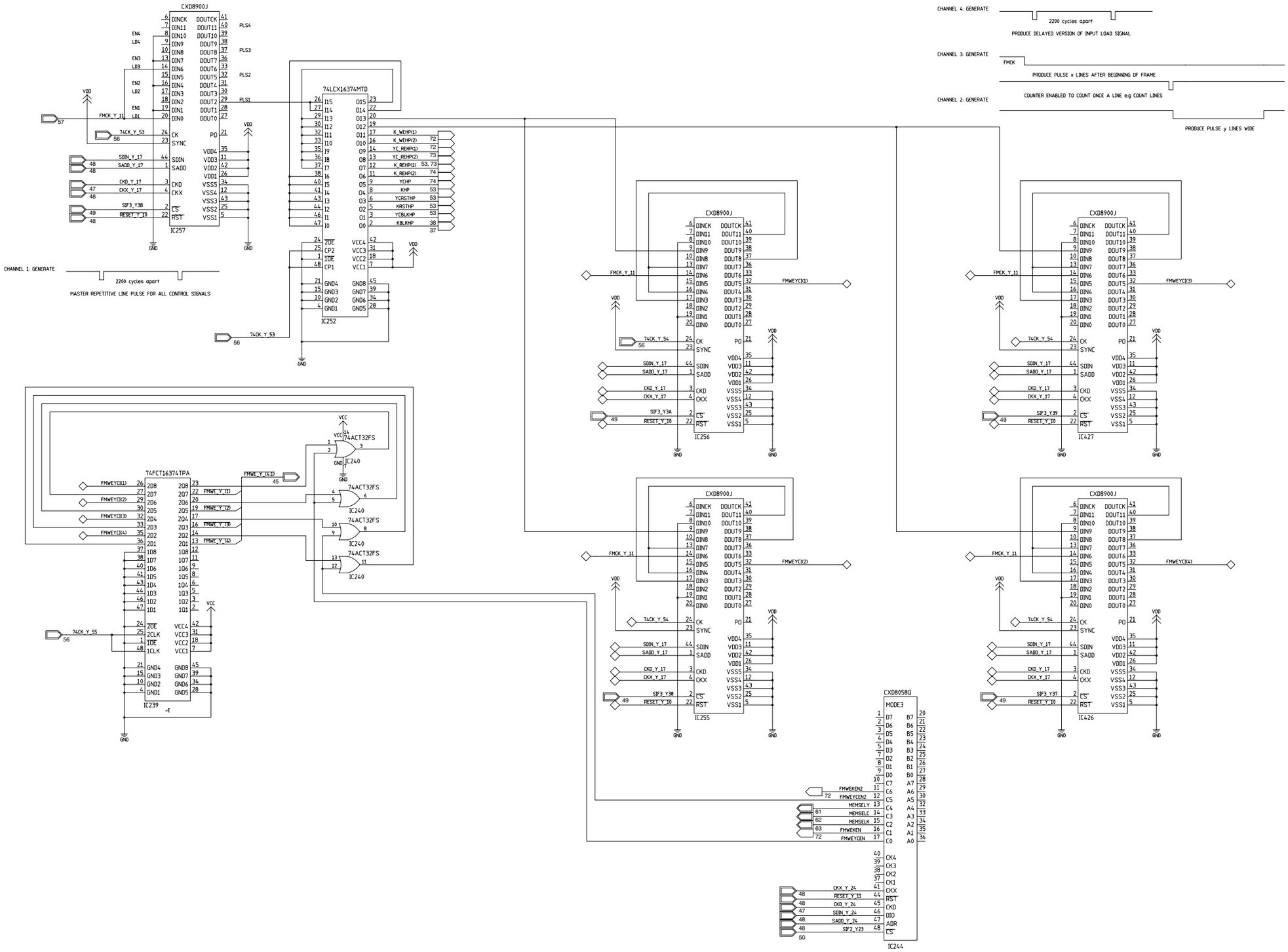


Frame Memory Board

MY-65 (70/92)

BOARD NO. 1-673-475-13

HKDS-7041



Frame Memory Board

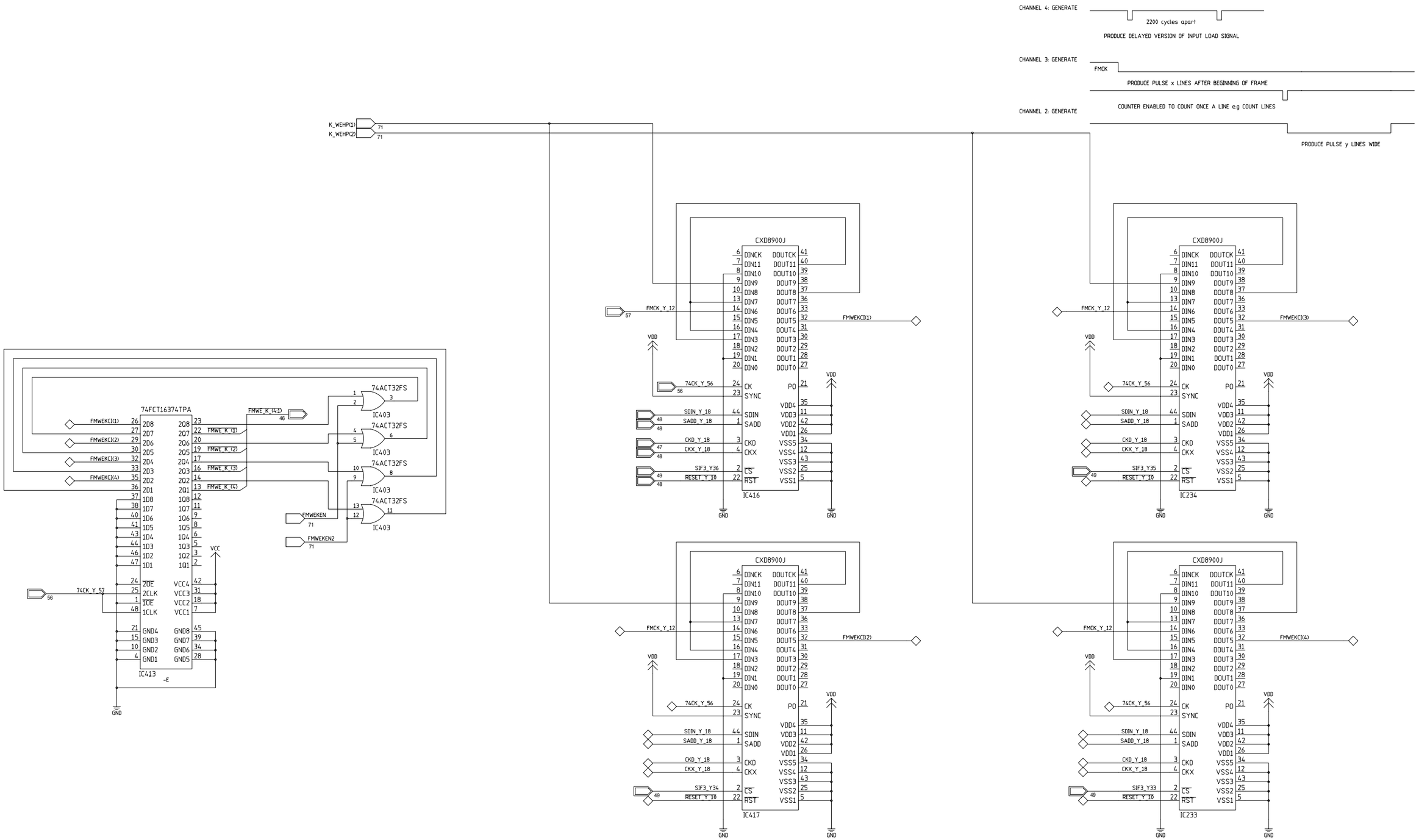
MY-65 (71/92)

BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

MY-65 (72/92)



Frame Memory Board

MY-65 (72/92)

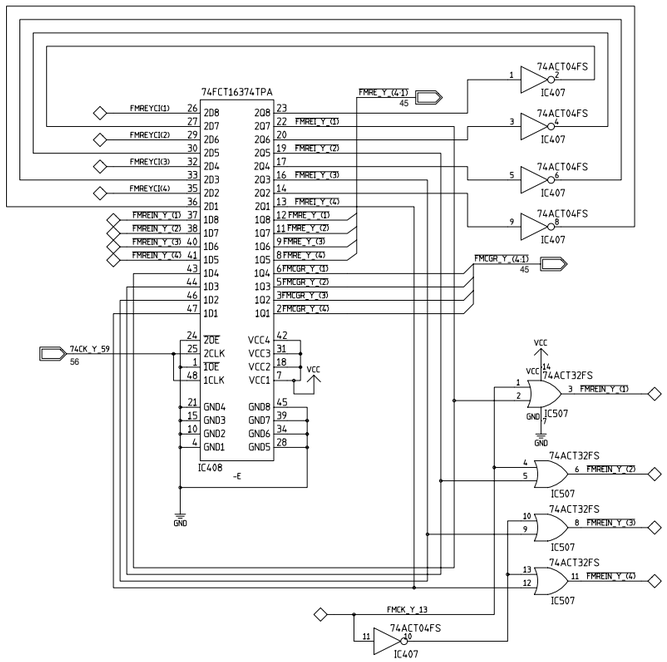
BOARD NO. 1-673-475-13

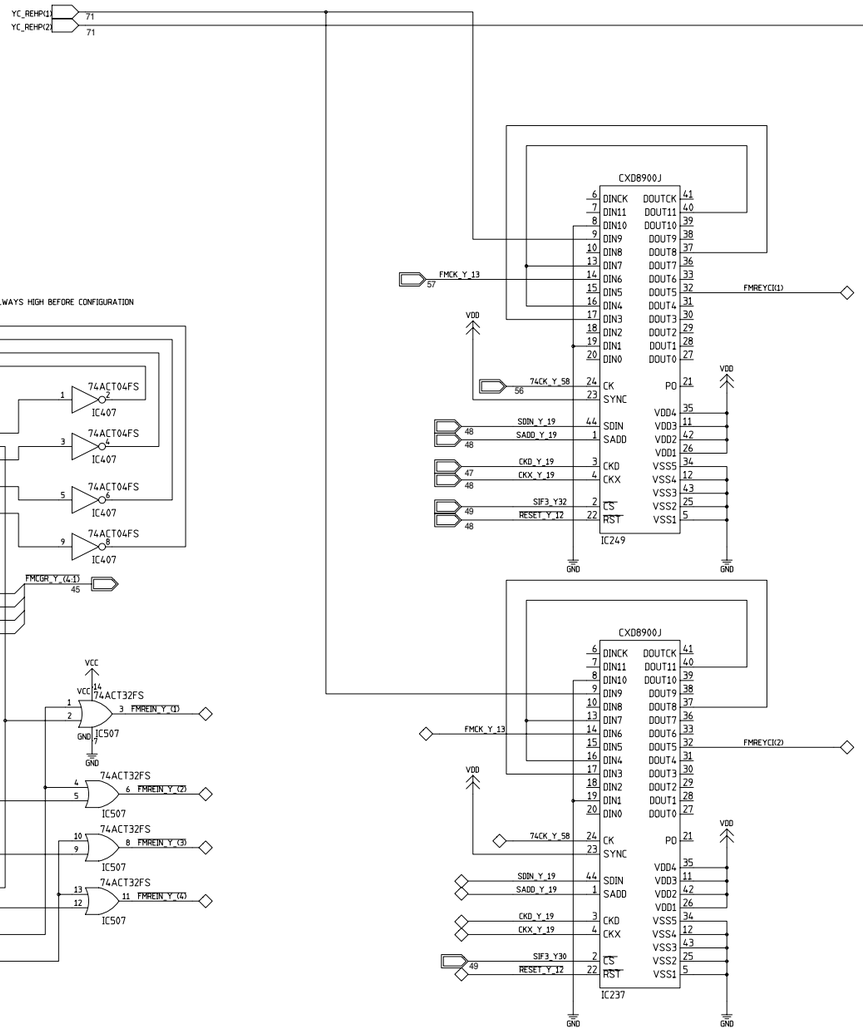
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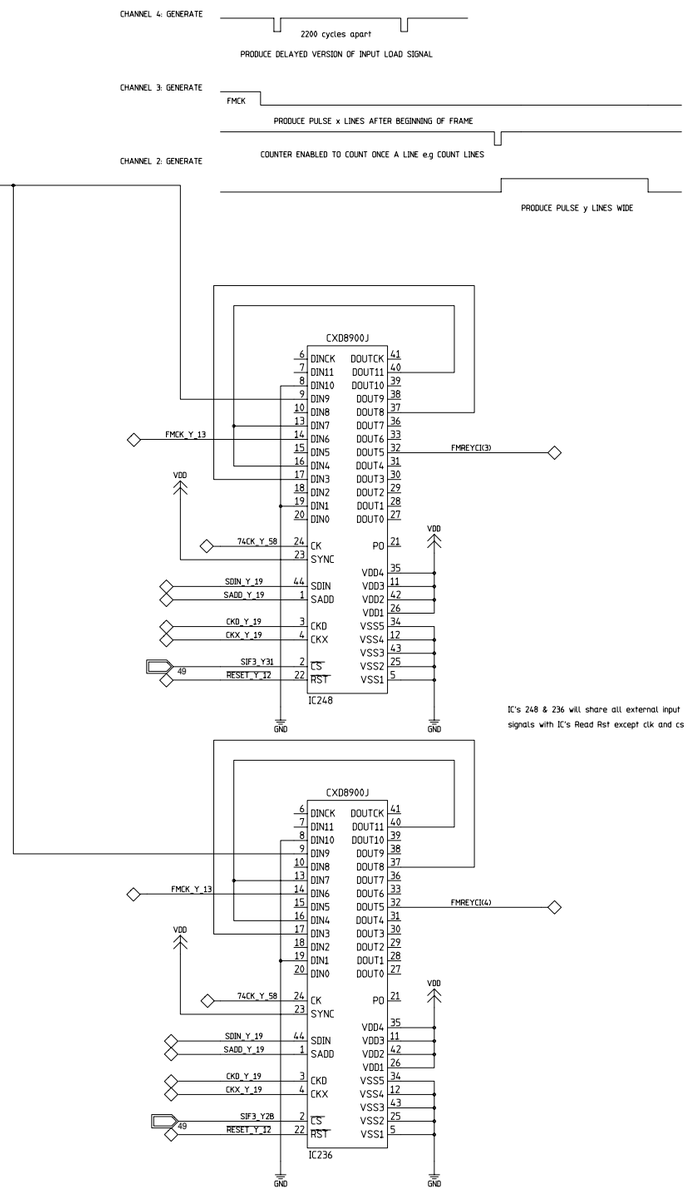
408 408

HDS-7000

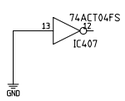
THE CXD8900s POWER UP WITH COUNTER OUTPUTS LOW HENCE WE MUST MAKE SURE THAT REs ARE ALWAYS HIGH BEFORE CONFIGURATION







IC's 248 & 236 will share all external input signals with IC's Read Rst except clk and cs



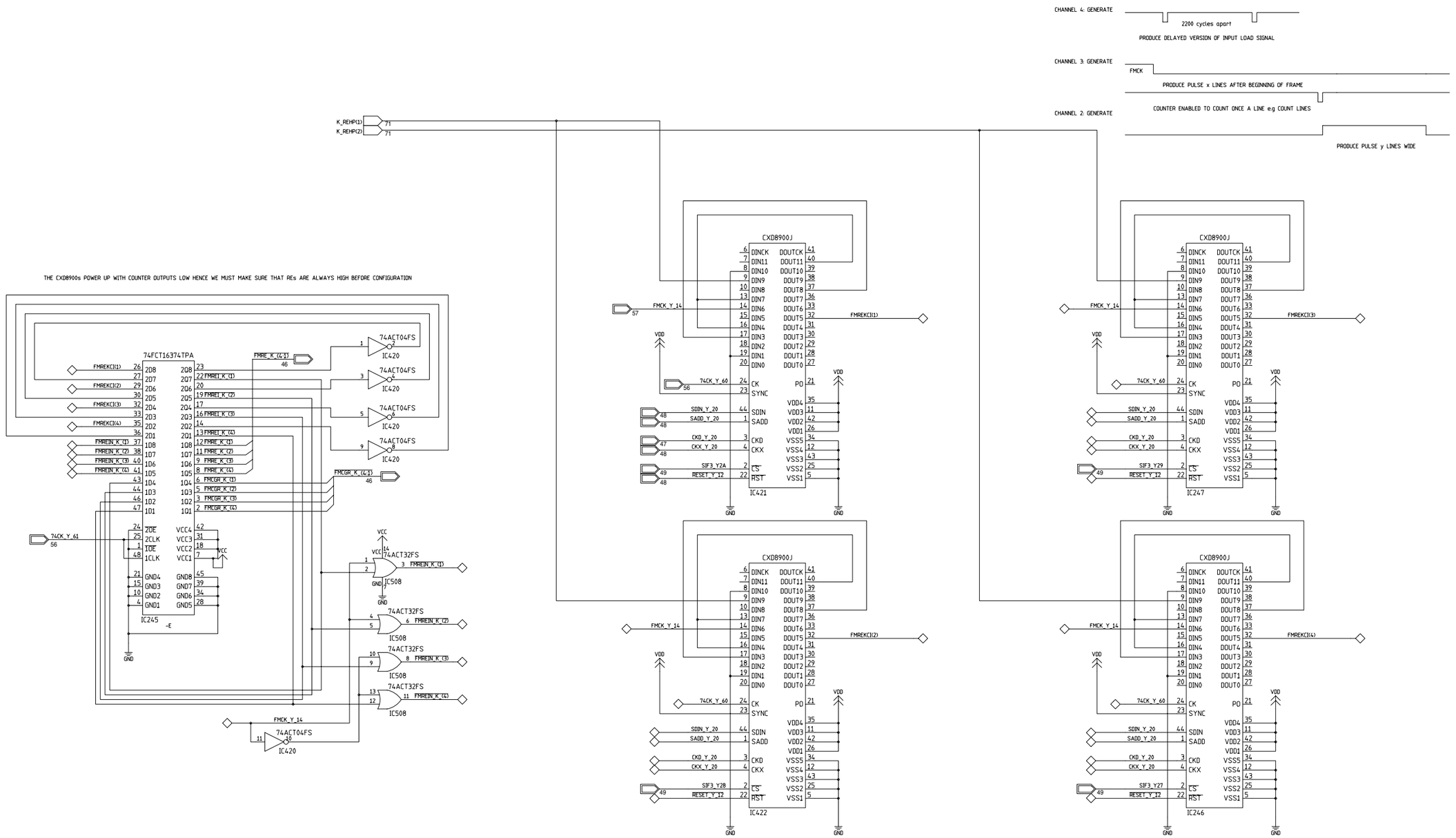
Frame Memory Board

MY-65 (73/92)

BOARD NO. 1-673-475-13

HKDS-7041

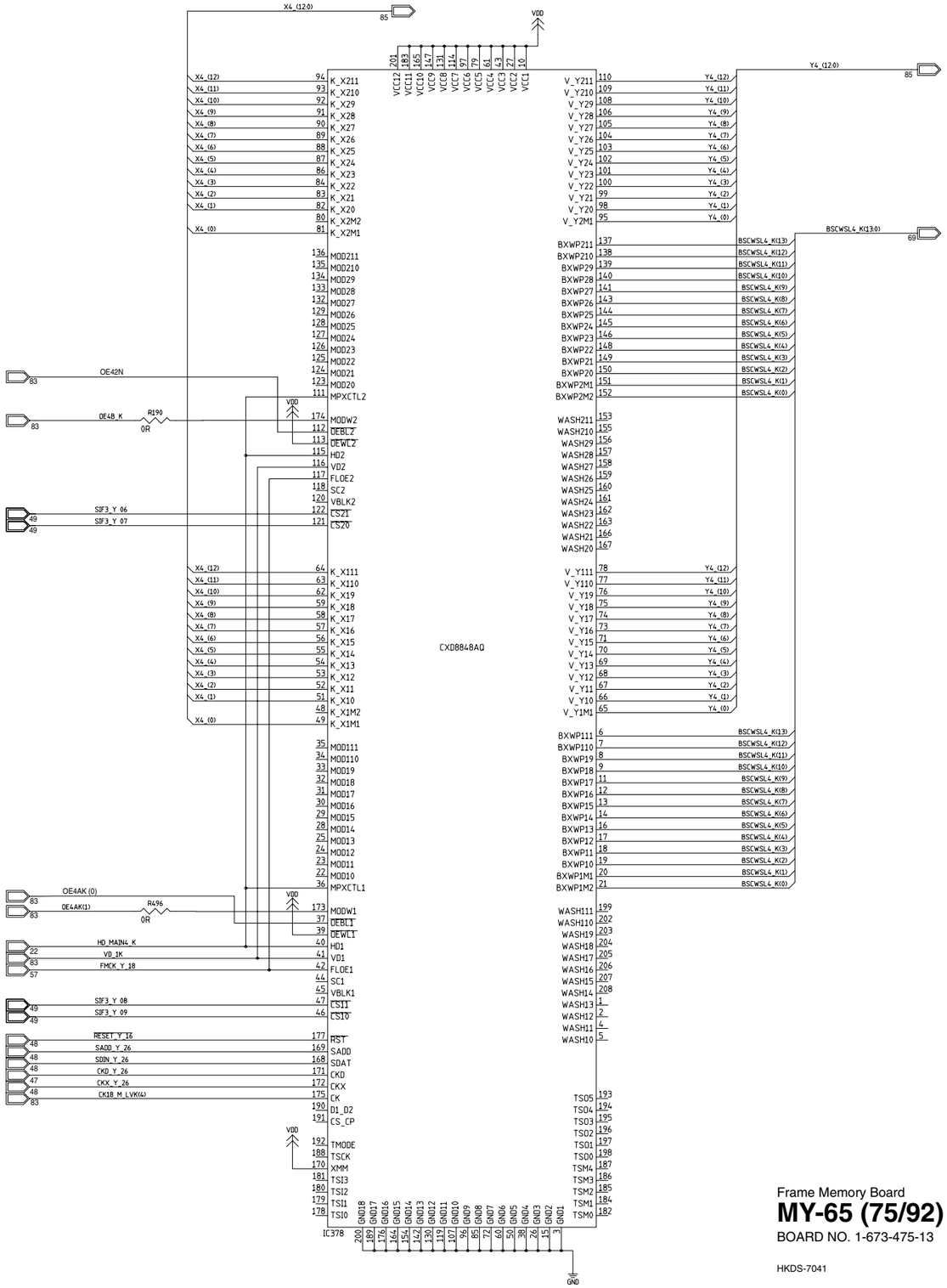
MY-65 (74/92)



Frame Memory Board
MY-65 (74/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000



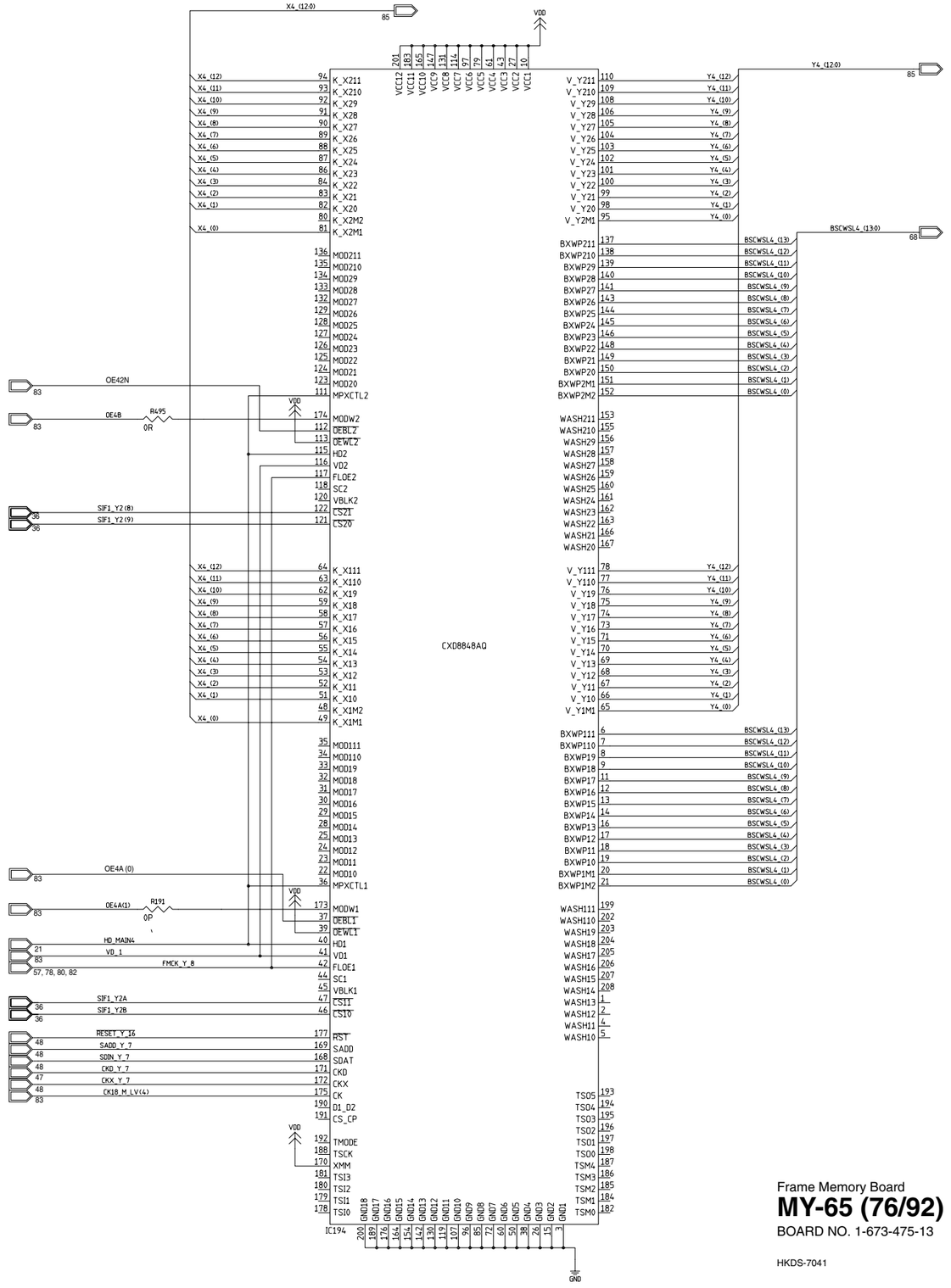
Frame Memory Board

MY-65 (75/92)

BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (76/92)



Frame Memory Board

MY-65 (76/92)

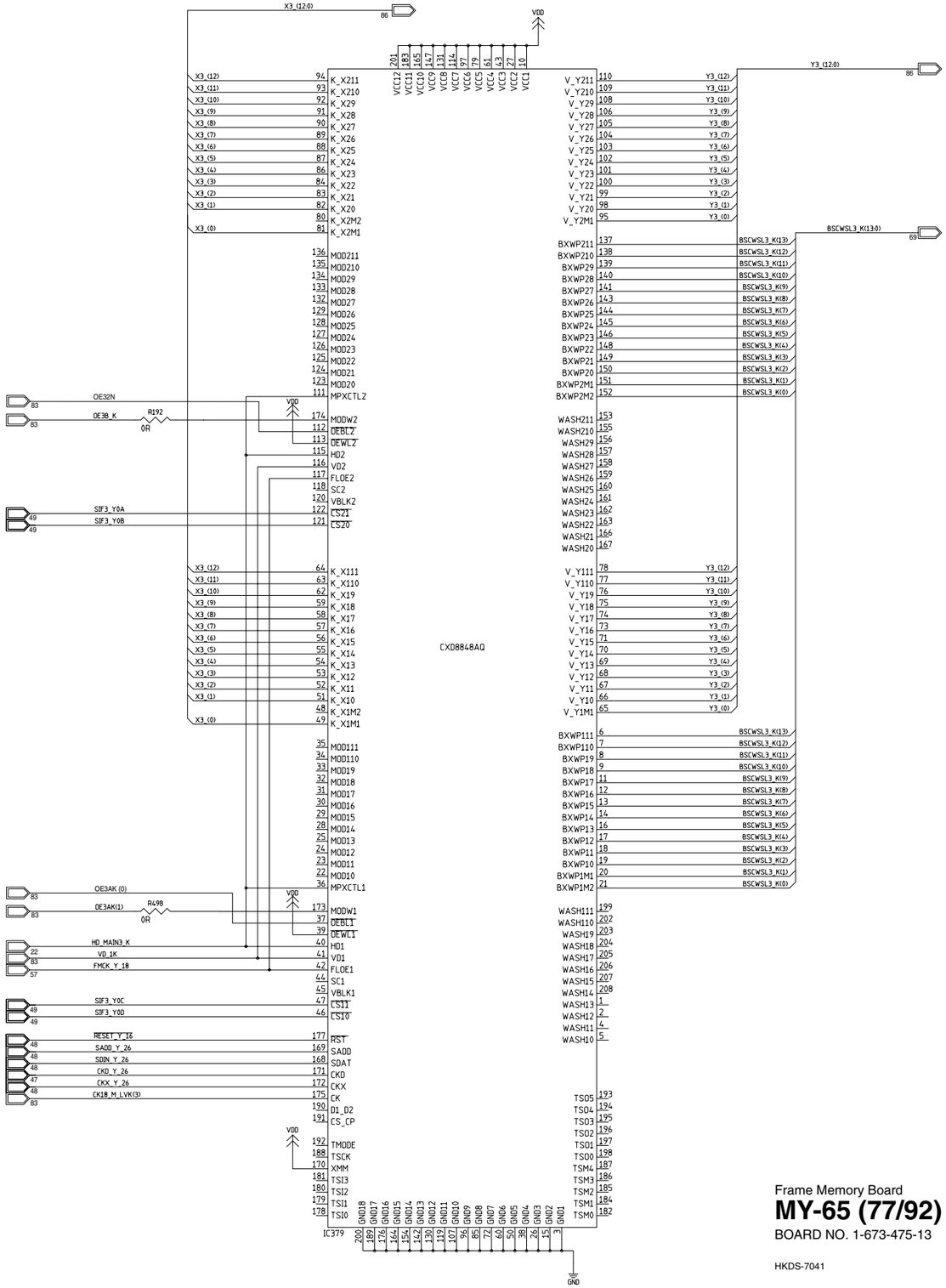
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

412

MY-65 (77/92)



Frame Memory Board

MY-65 (77/92)

BOARD NO. 1-673-475-13

HKDS-7041

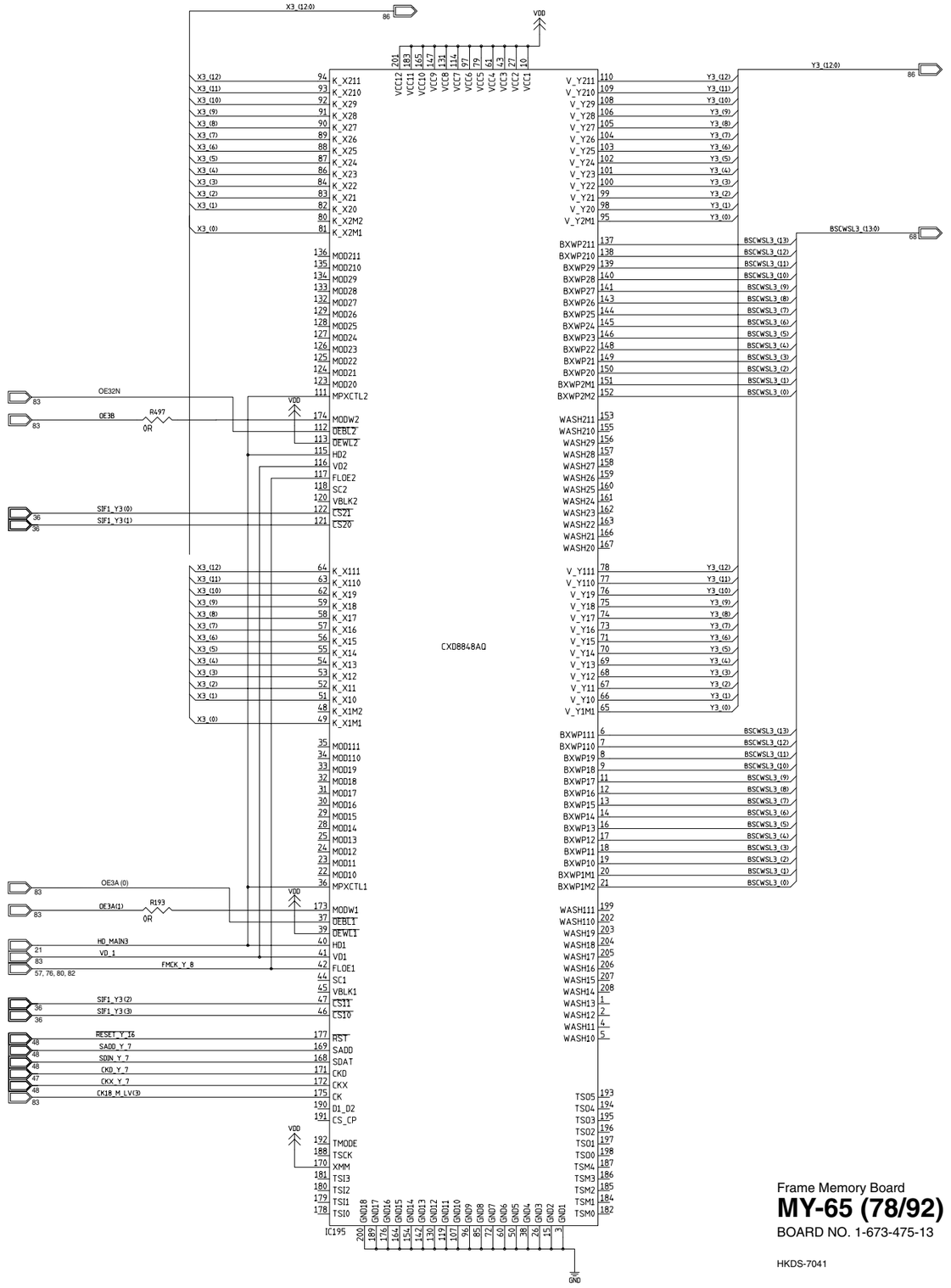
HDS-7000

413

A B C D E F G H

1 2 3 4 5

MY-65 (78/92)

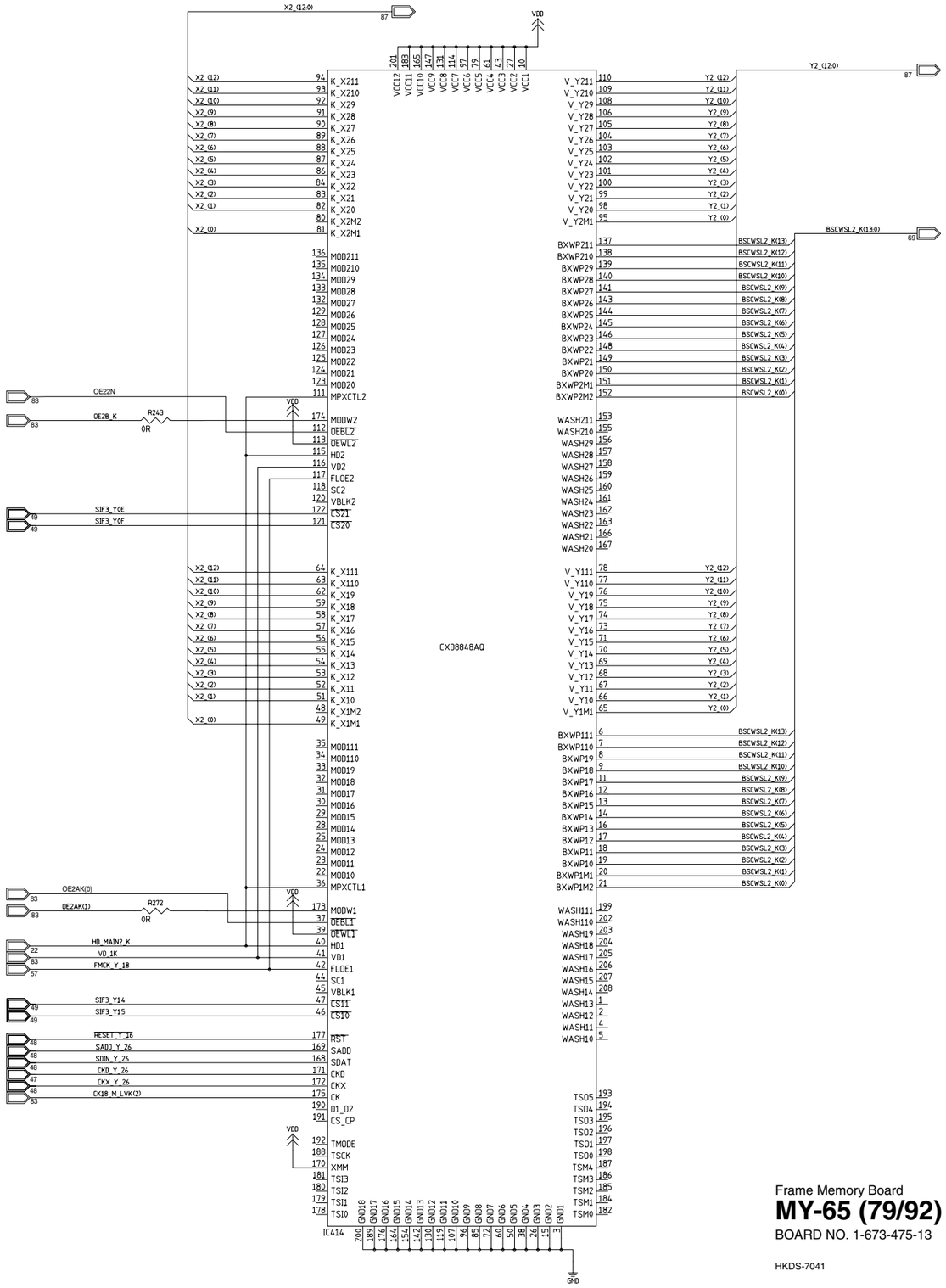


Frame Memory Board
MY-65 (78/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

414



Frame Memory Board

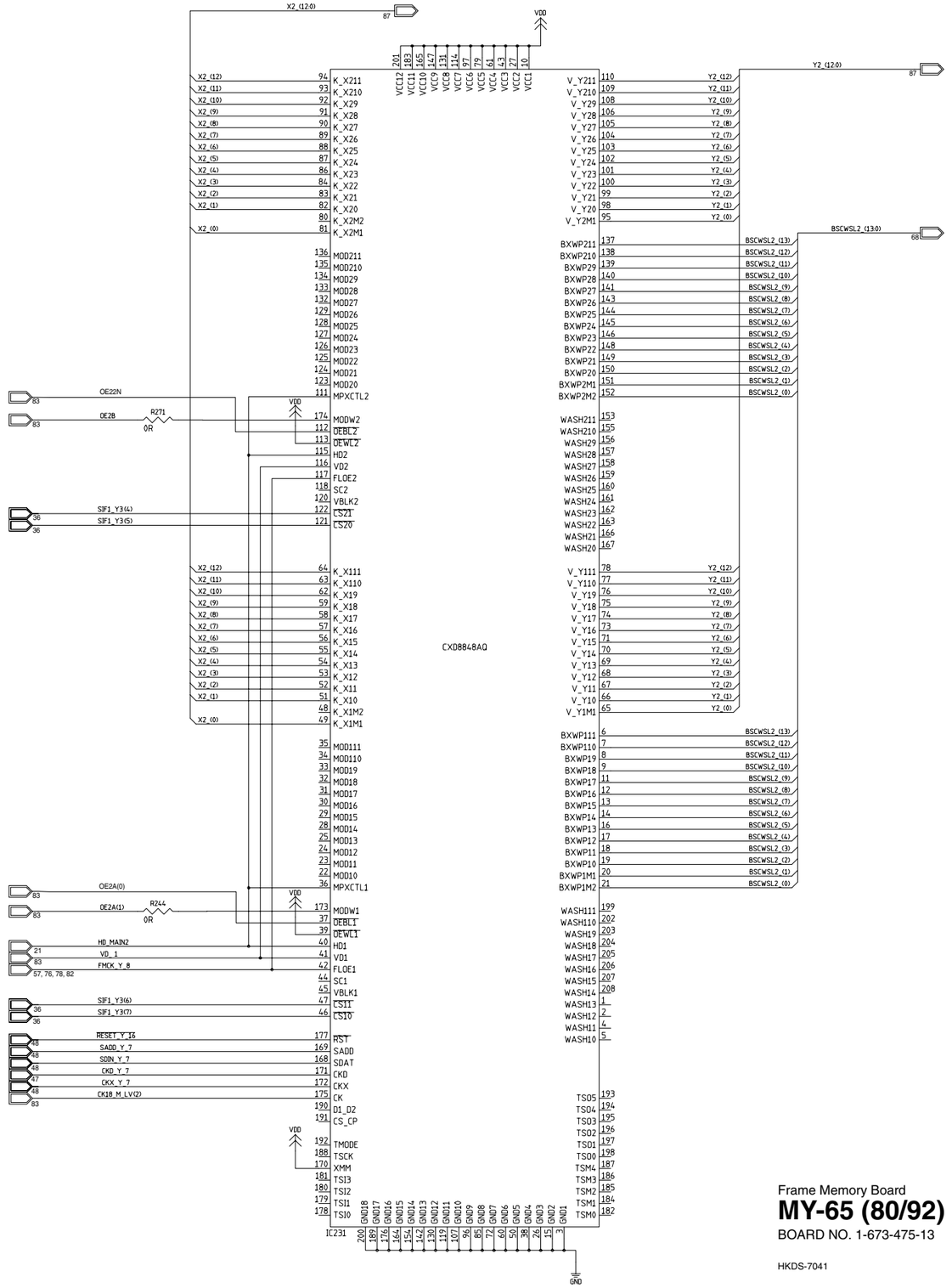
MY-65 (79/92)

BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

MY-65 (80/92)



Frame Memory Board

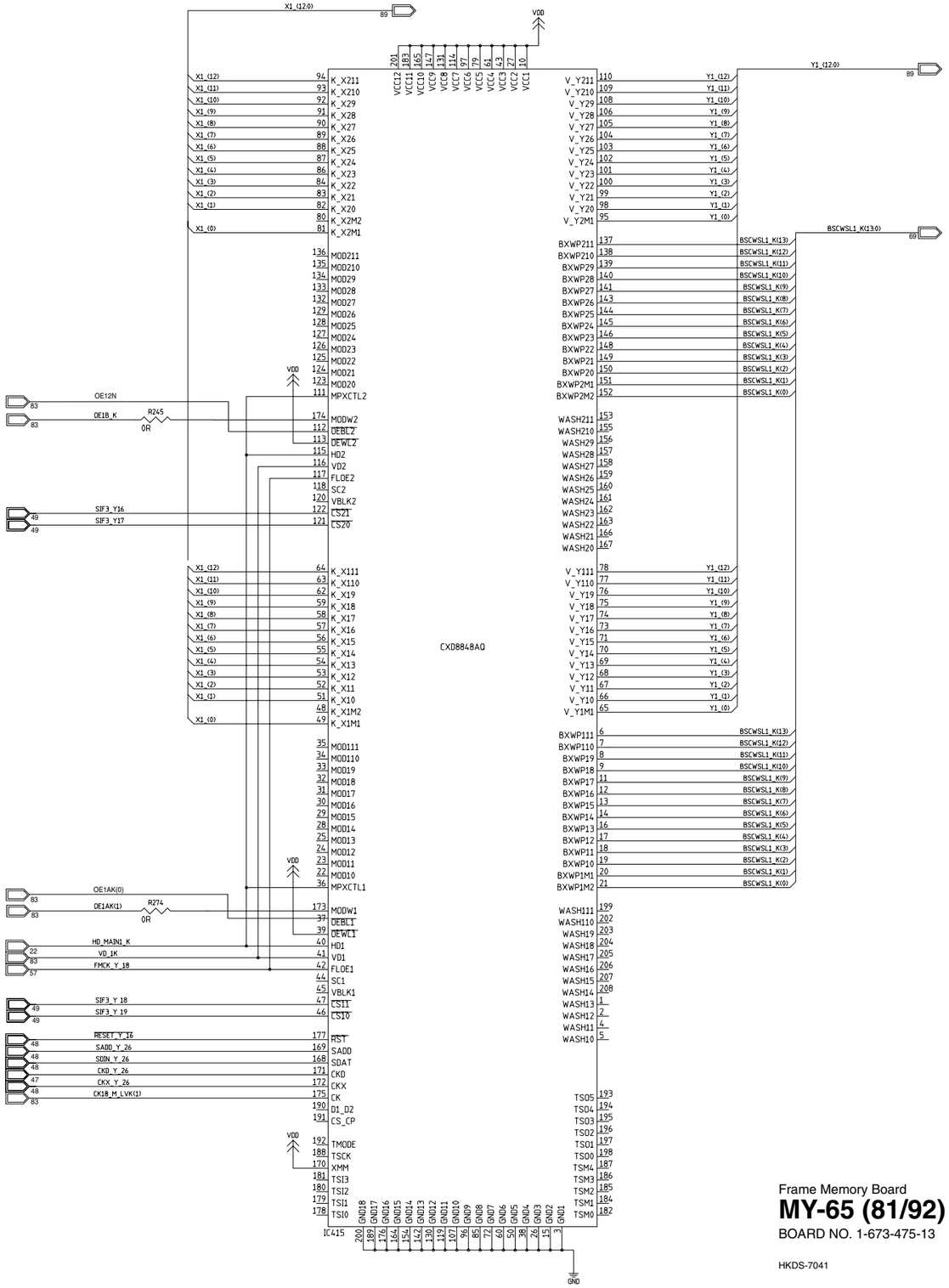
MY-65 (80/92)

BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

416



Frame Memory Board

MY-65 (81/92)

BOARD NO. 1-673-475-13

HKDS-7041

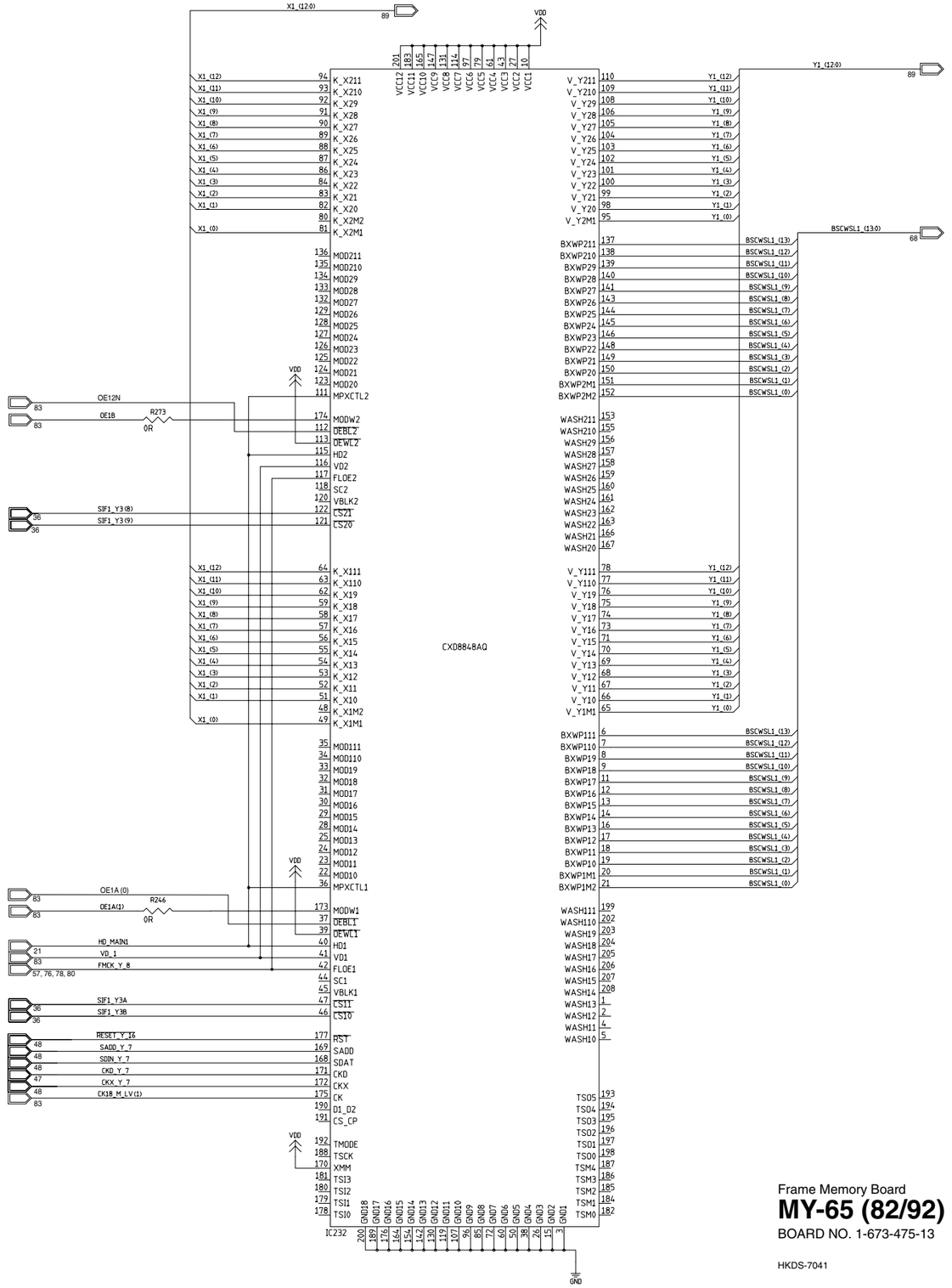
HDS-7000

417 417

1 2 3 4 5

A B C D E F G H

MY-65 (82/92)



Frame Memory Board

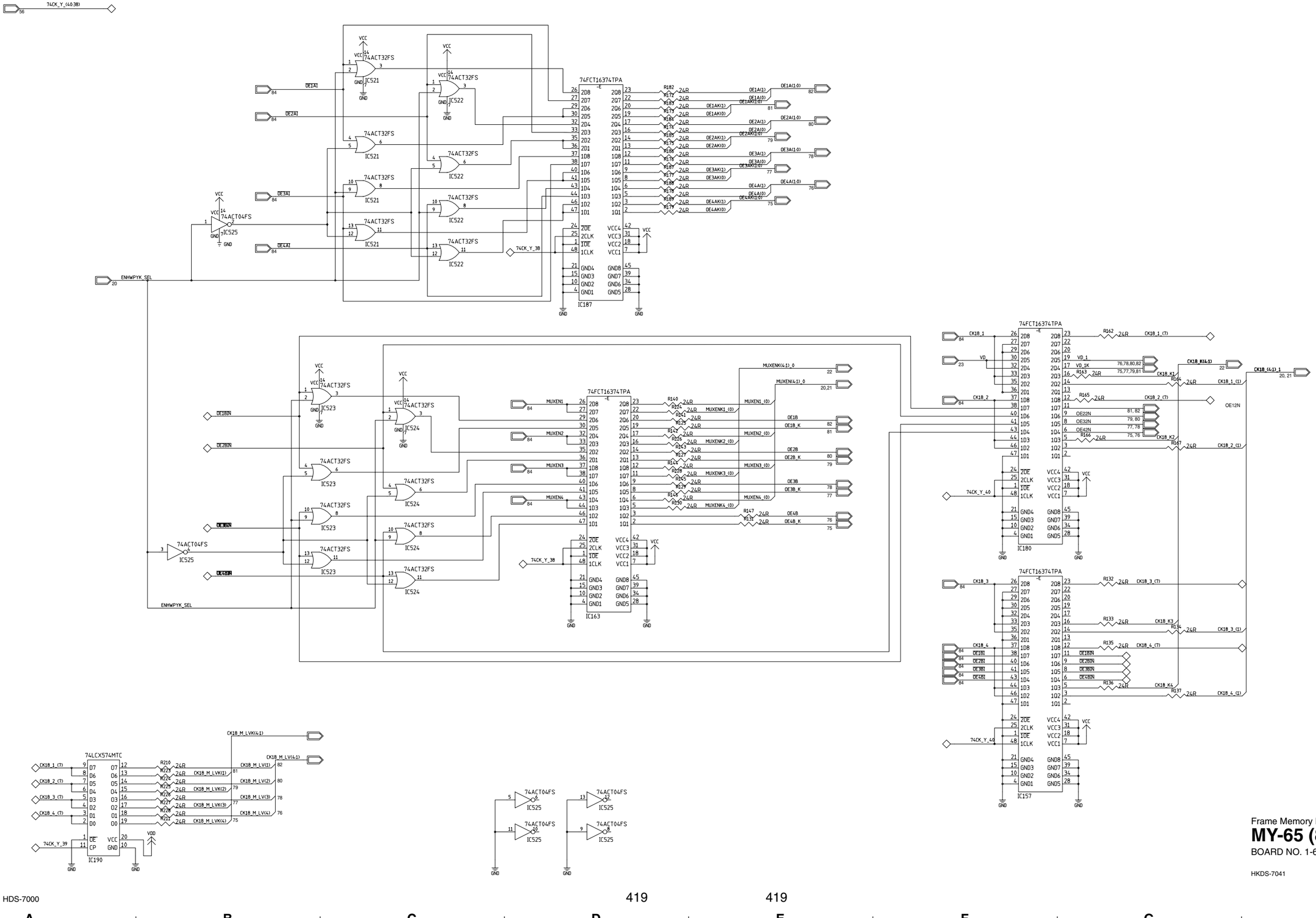
MY-65 (82/92)

BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

418



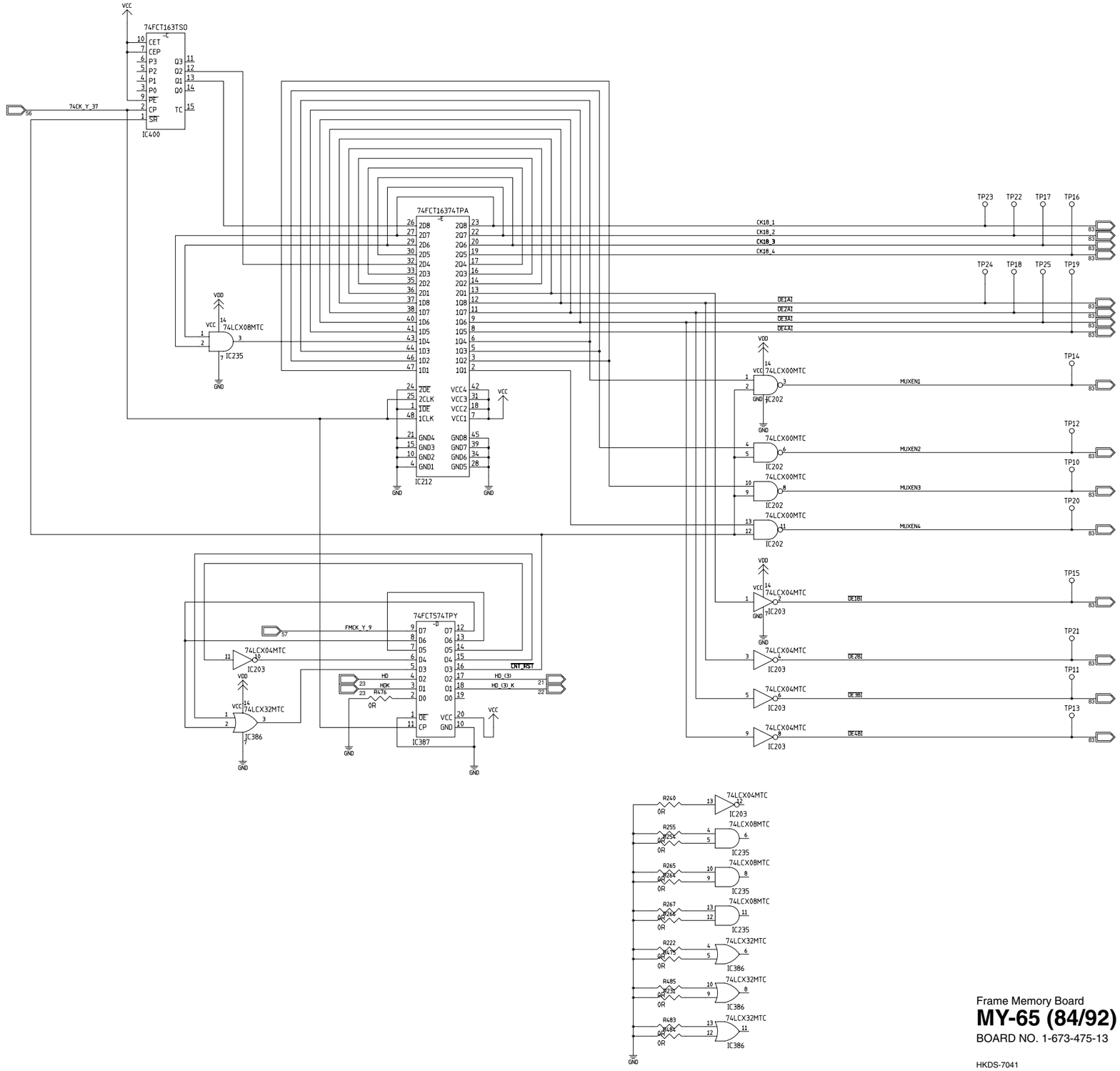
Frame Memory Board

MY-65 (83/92)

BOARD NO. 1-673-475-13

HKDS-7041

MY-65 (84/92)



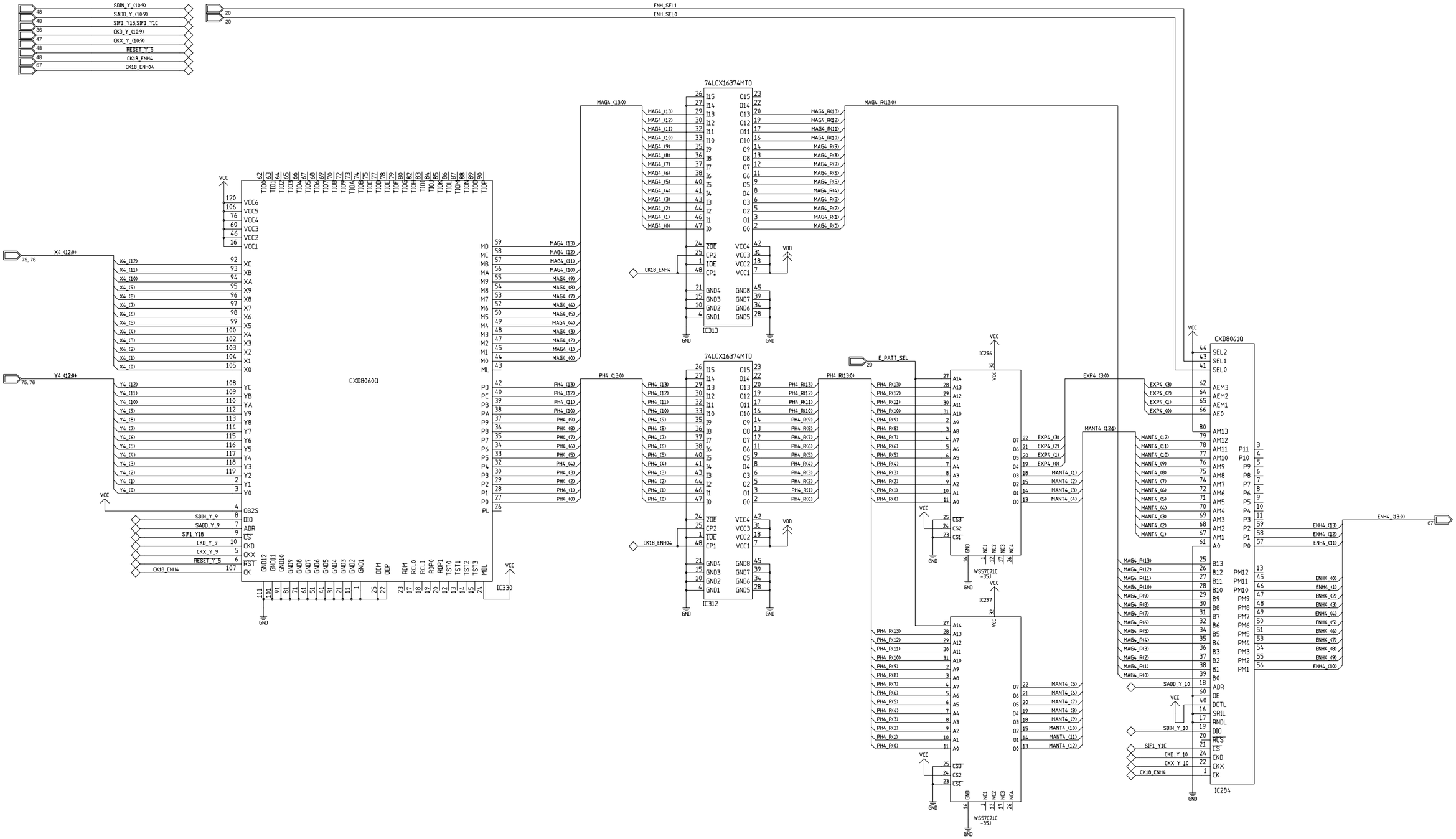
Frame Memory Board

MY-65 (84/92)

BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000



Frame Memory Board

MY-65 (85/92)

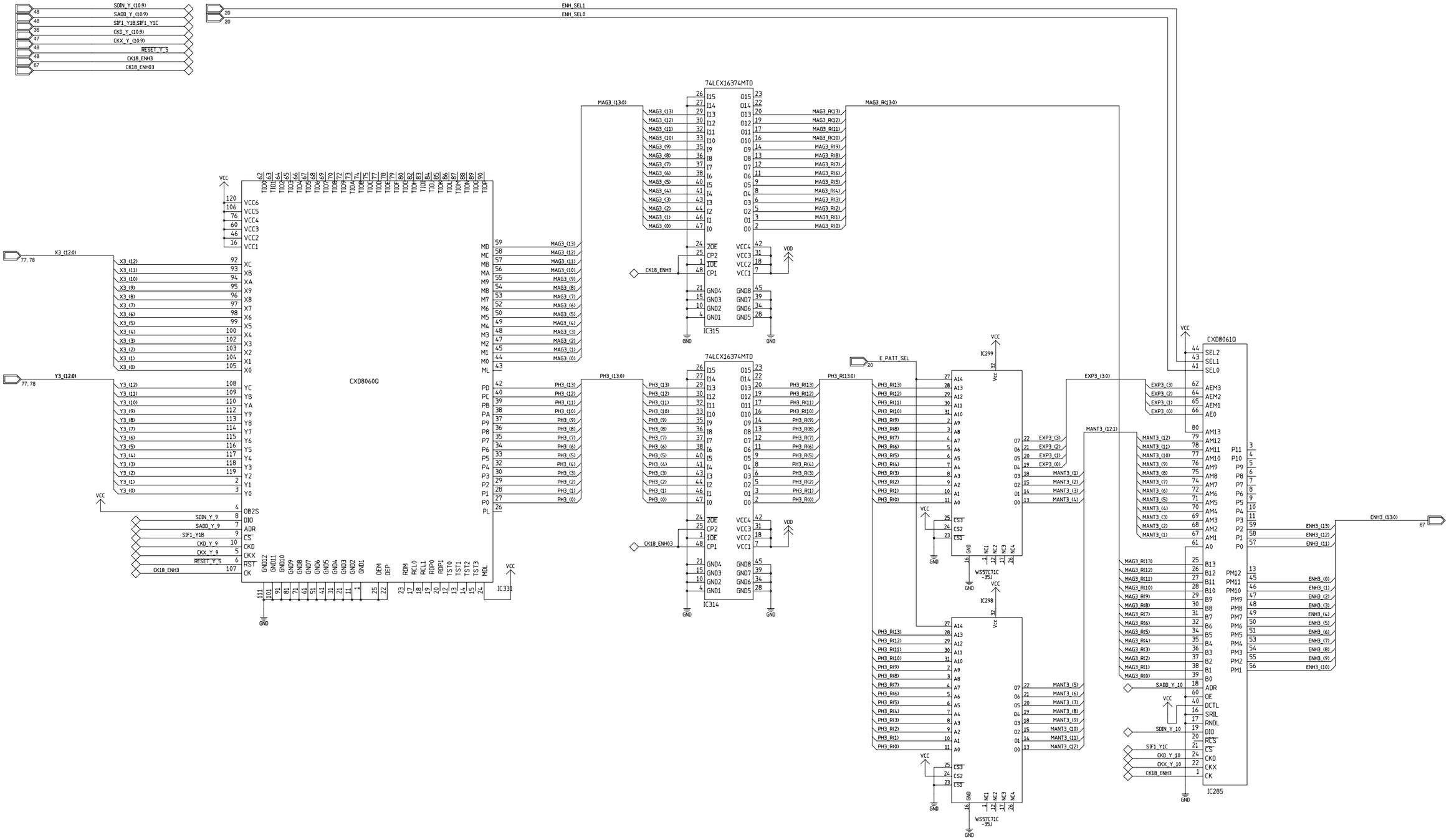
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

421

421



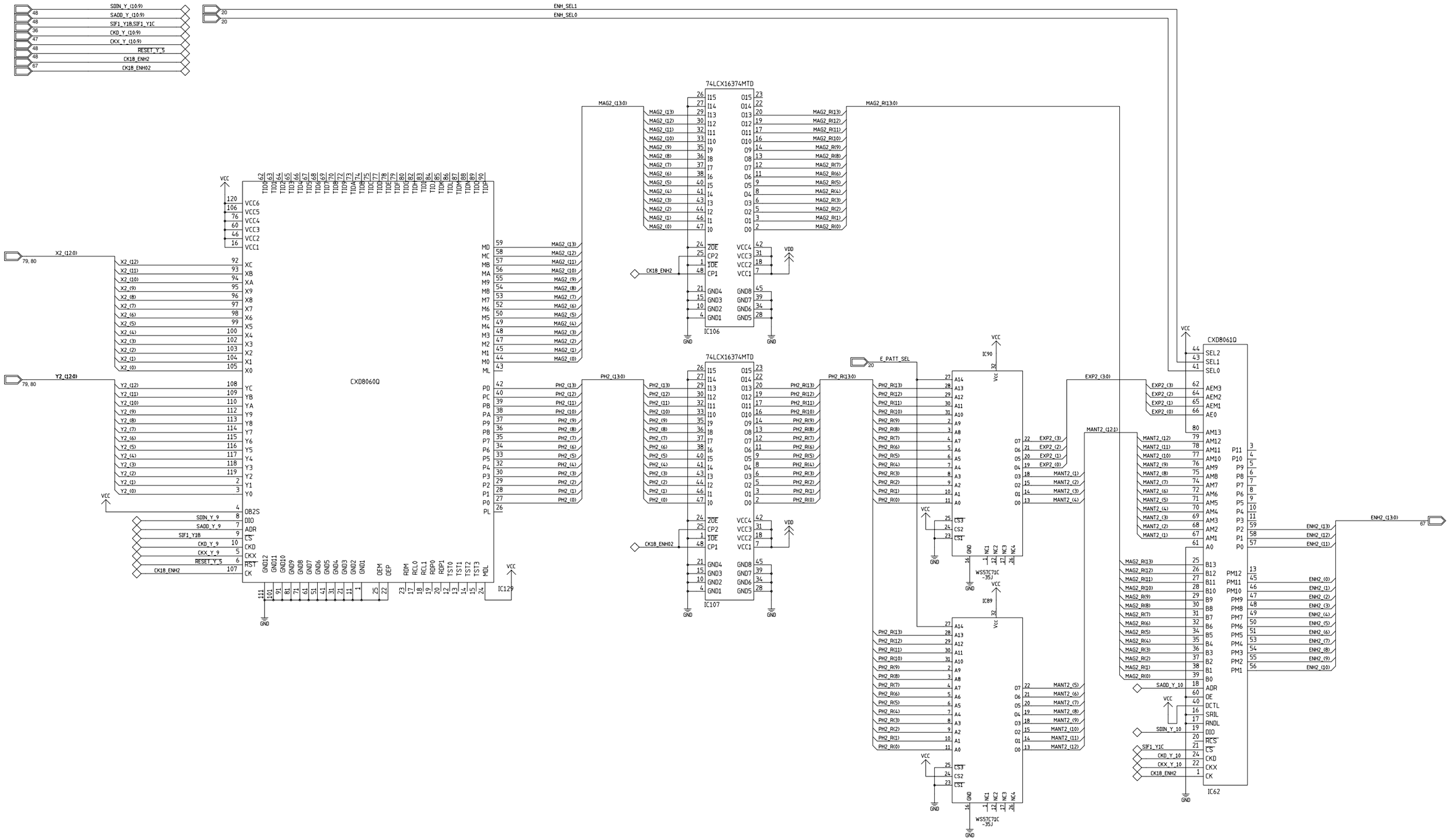
Frame Memory Board

MY-65 (86/92)

BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000



Frame Memory Board

MY-65 (87/92)

BOARD NO. 1-673-475-13

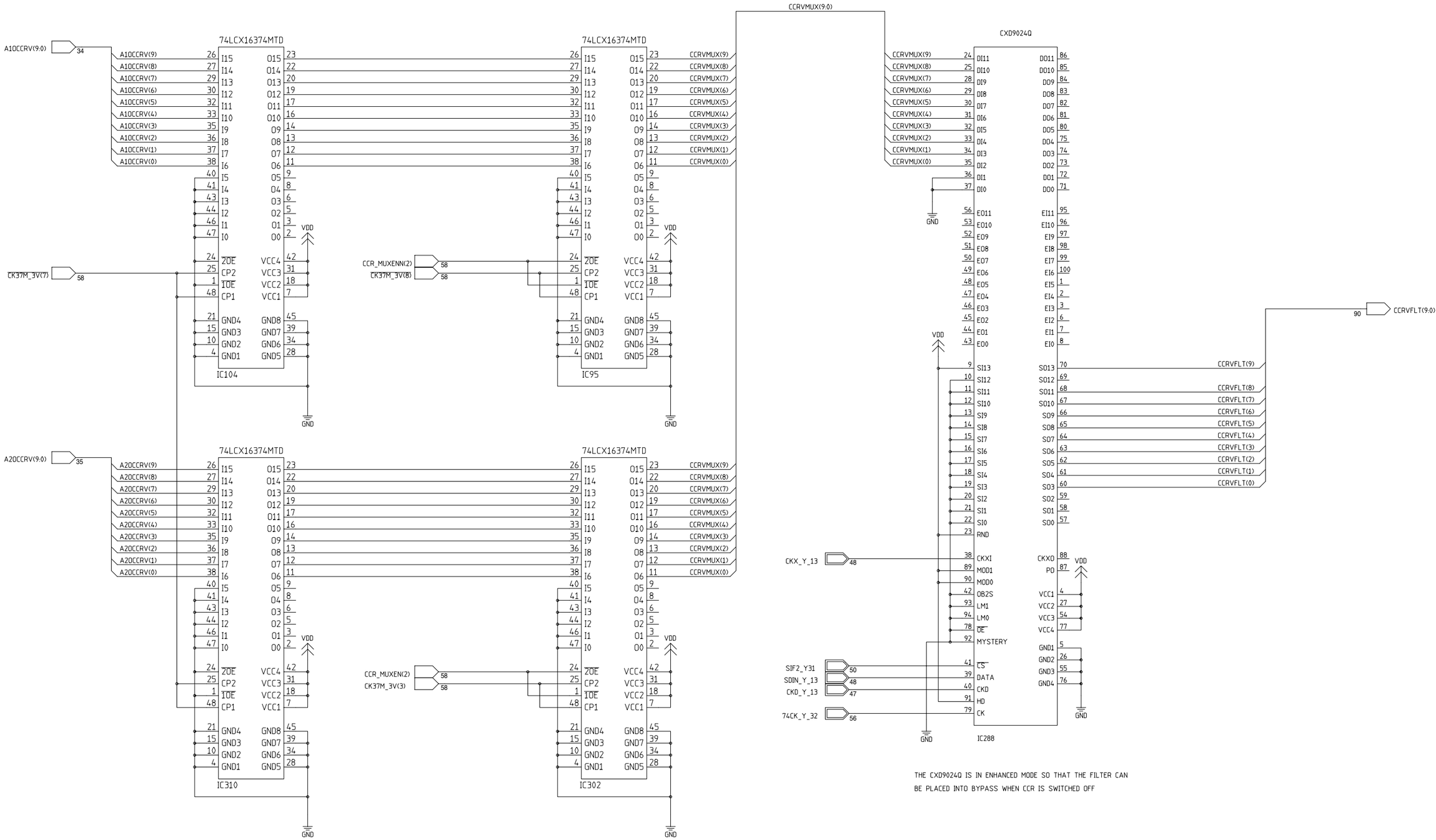
HKDS-7041

HDS-7000

423 423

1 2 3 4 5

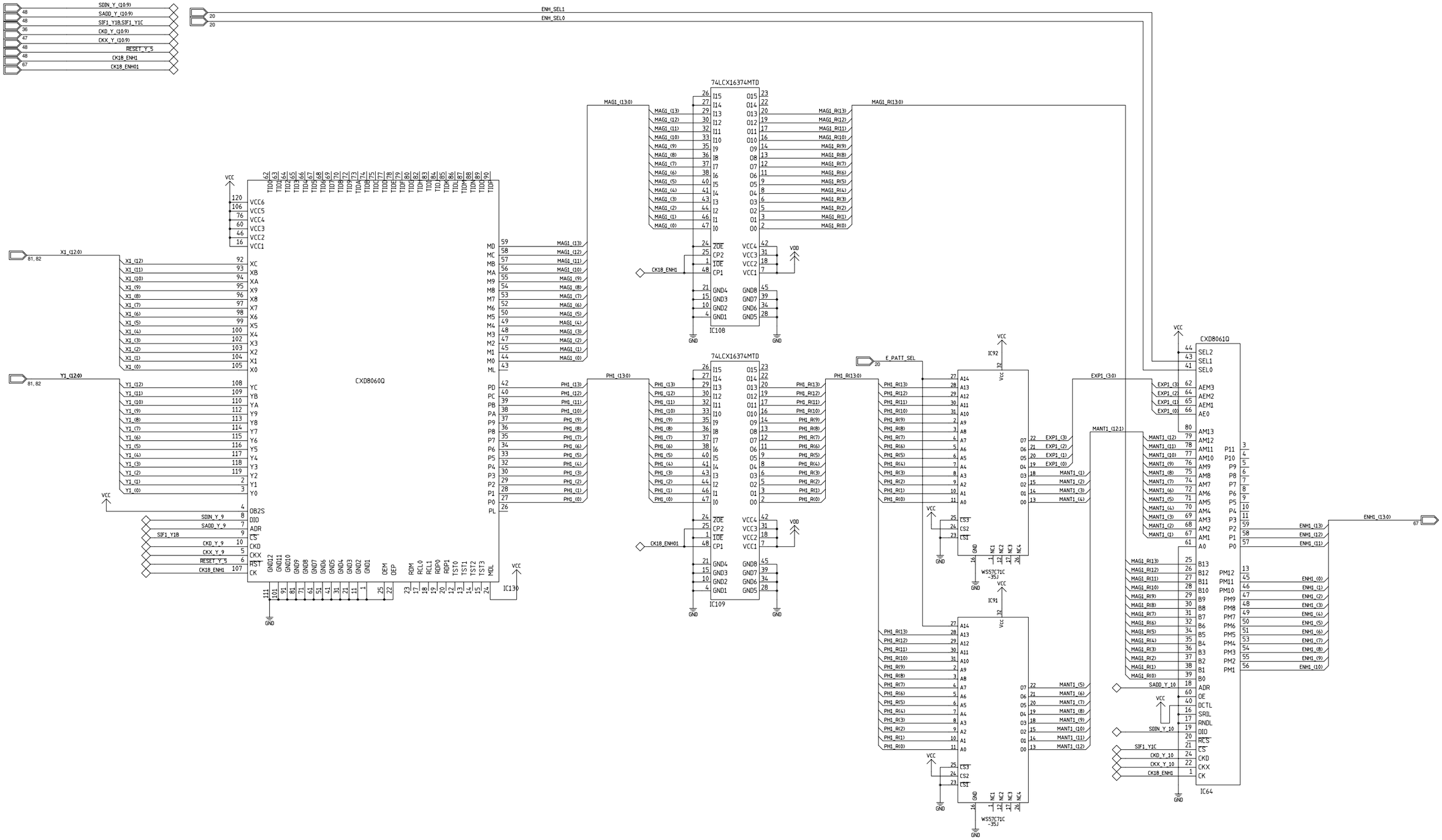
A B C D E F G H



Frame Memory Board
MY-65 (88/92)
BOARD NO. 1-673-475-13

HKDS-7041

HDS-7000

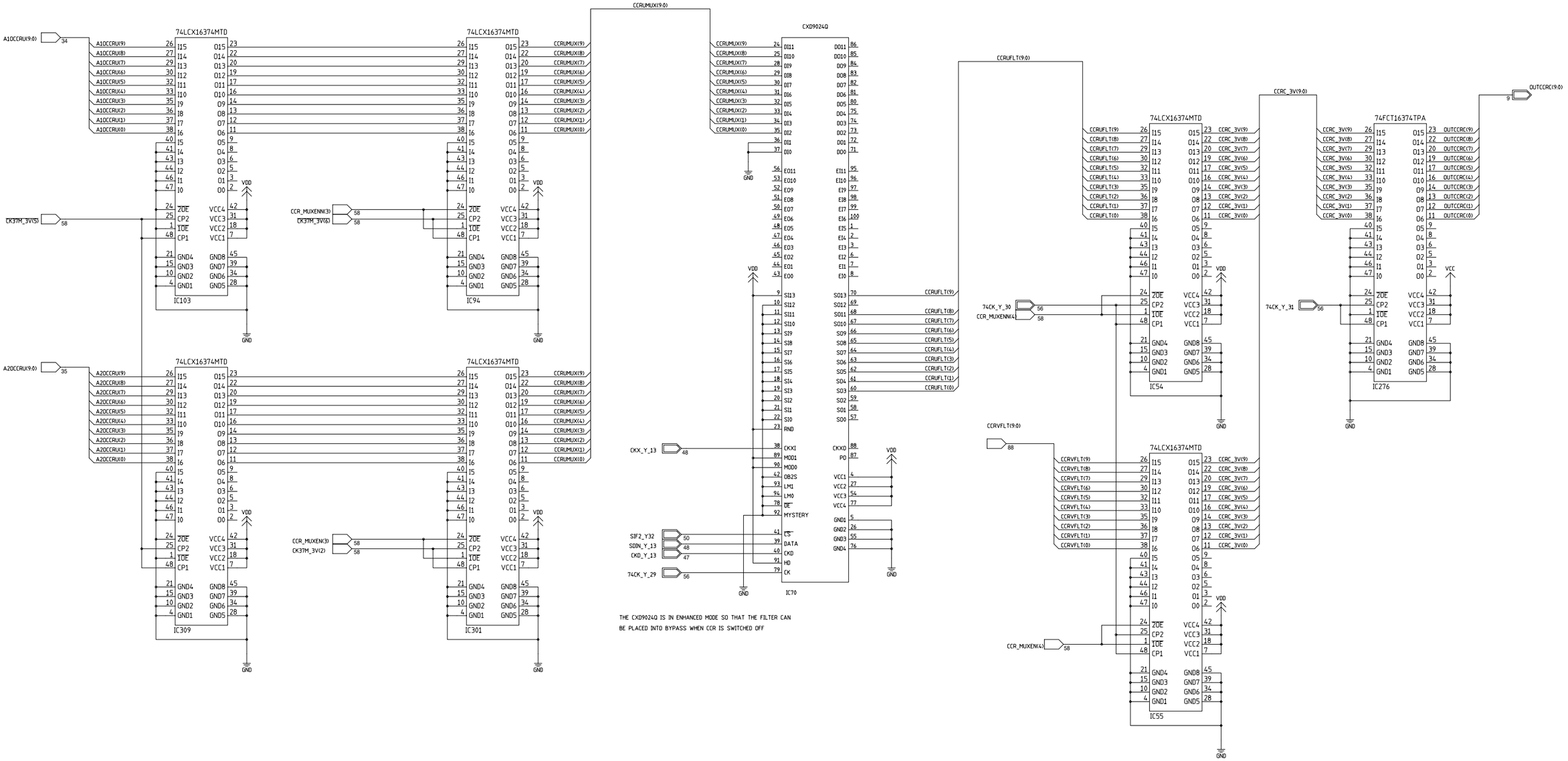


Frame Memory Board

MY-65 (89/92)

BOARD NO. 1-673-475-13

HKDS-7041



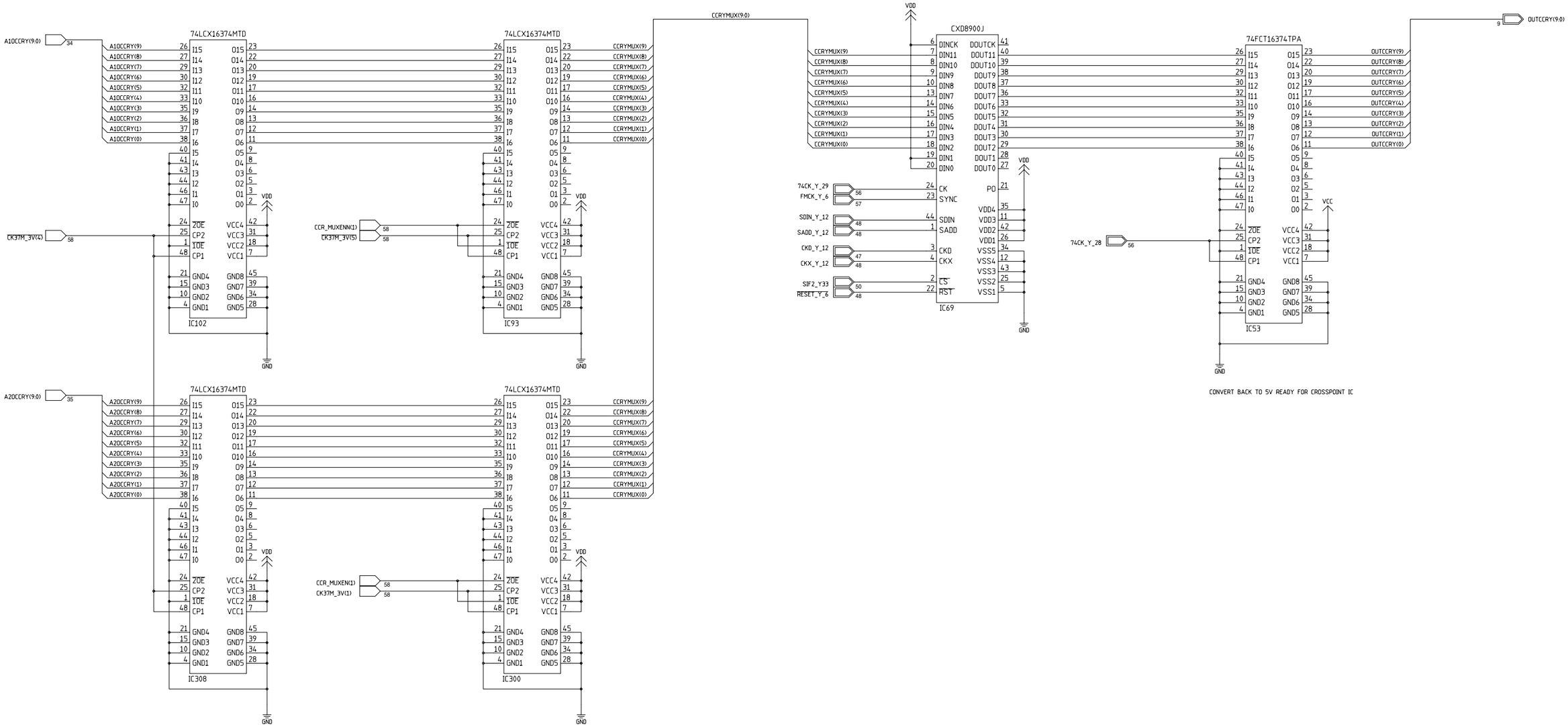
Frame Memory Board

MY-65 (90/92)

BOARD NO. 1-673-475-13

HKDS-7041

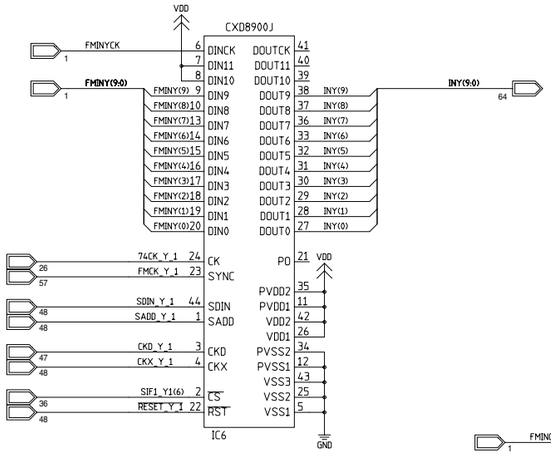
HDS-7000

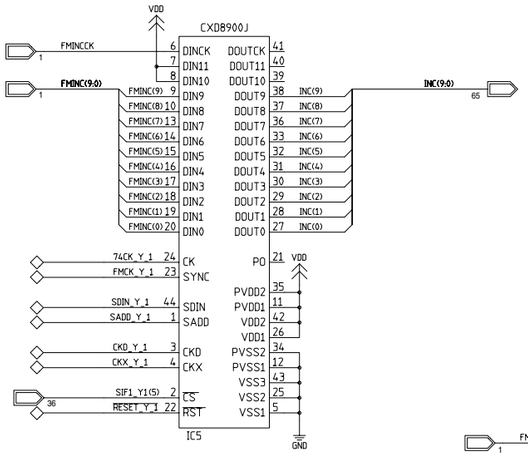


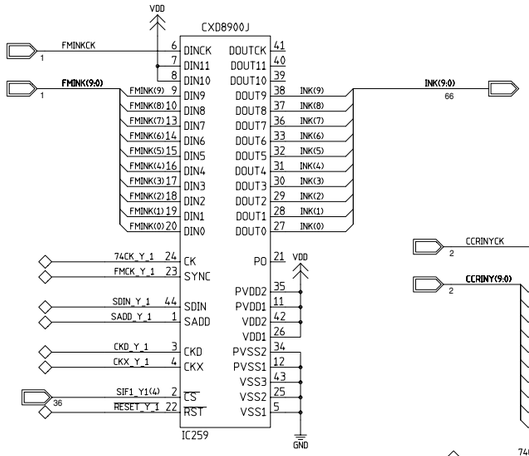
Frame Memory Board
MY-65 (91/92)
BOARD NO. 1-673-475-13

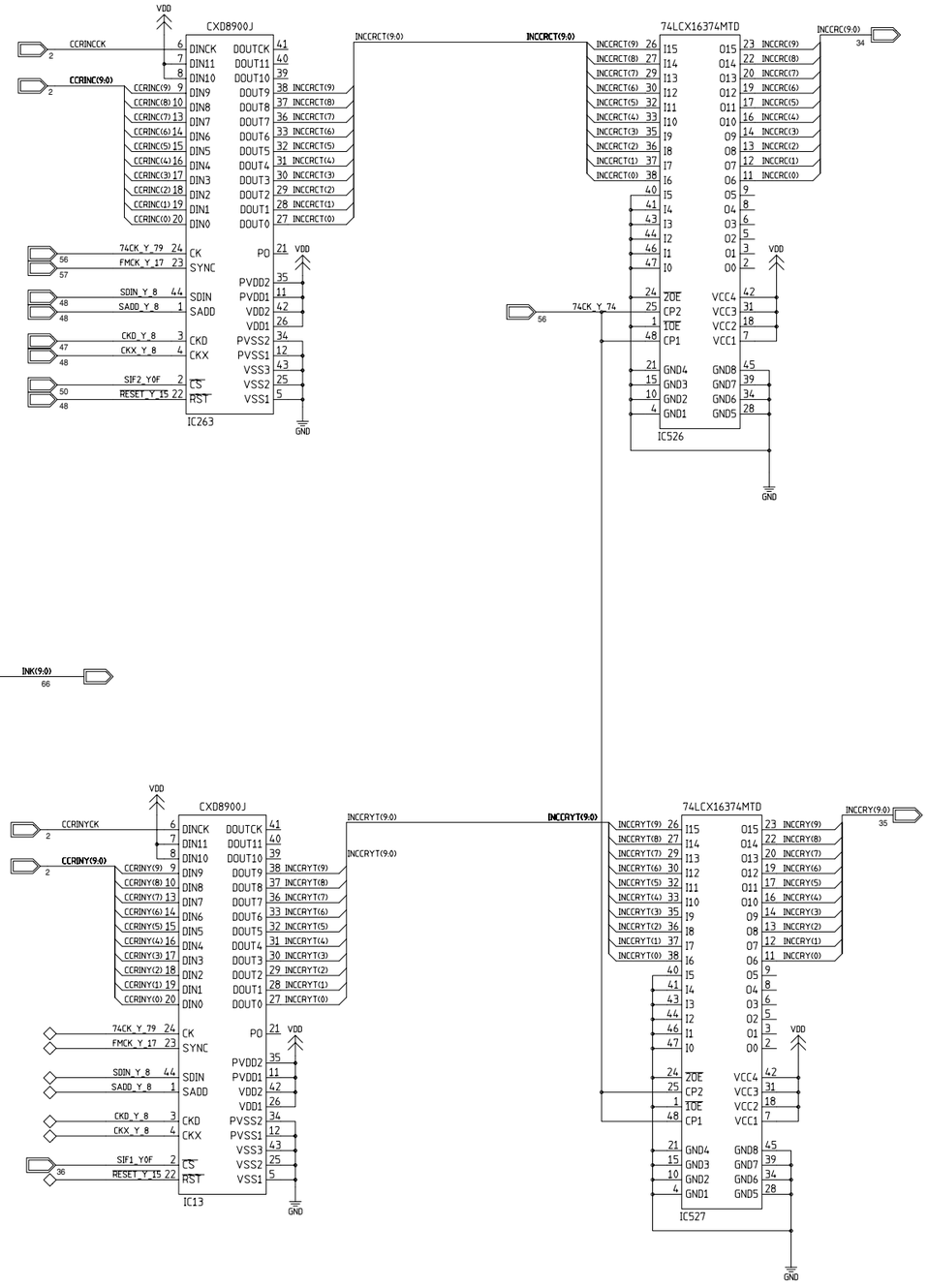
HKDS-7041

MY-65 (92/92)









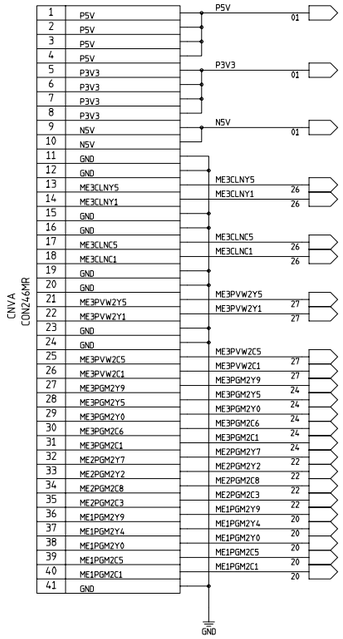
Frame Memory Board

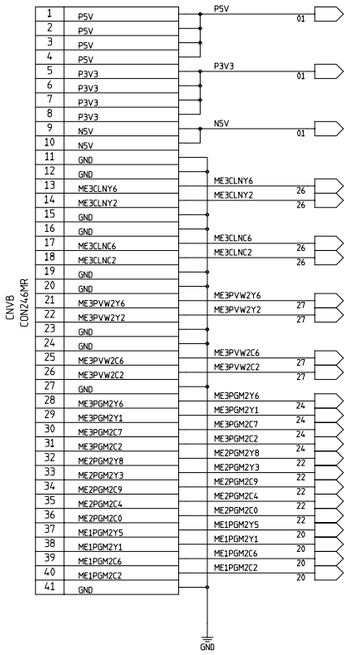
MY-65 (92/92)

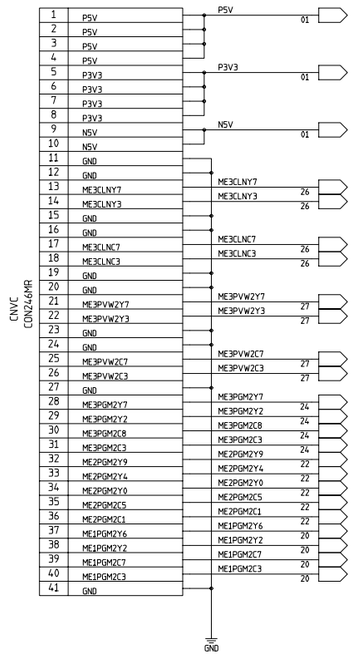
BOARD NO. 1-673-475-13

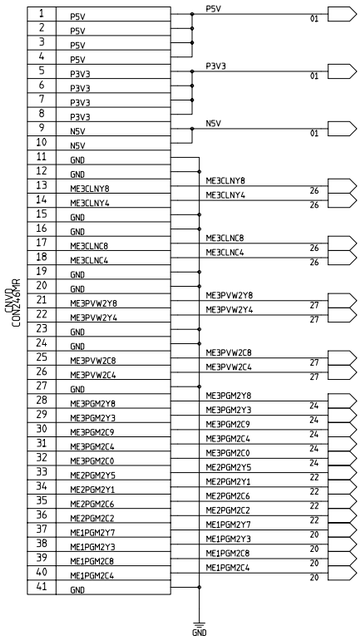
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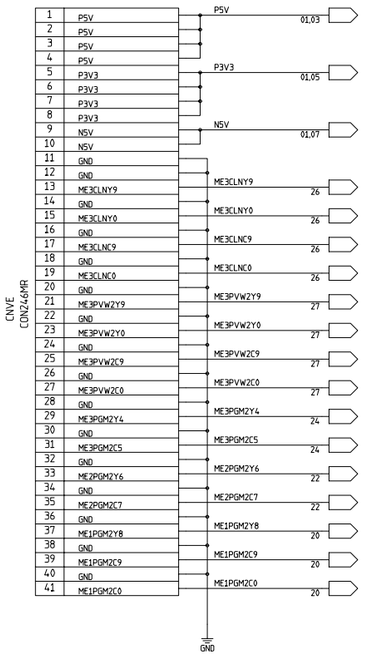
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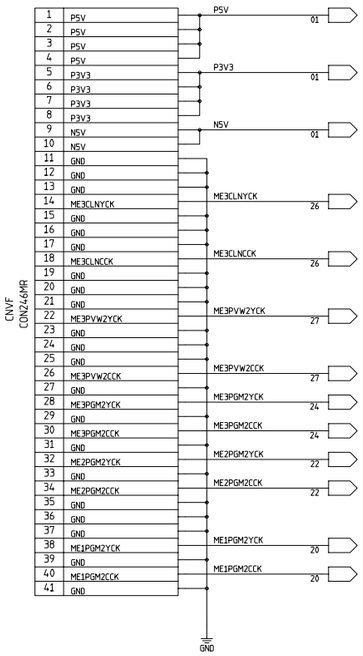


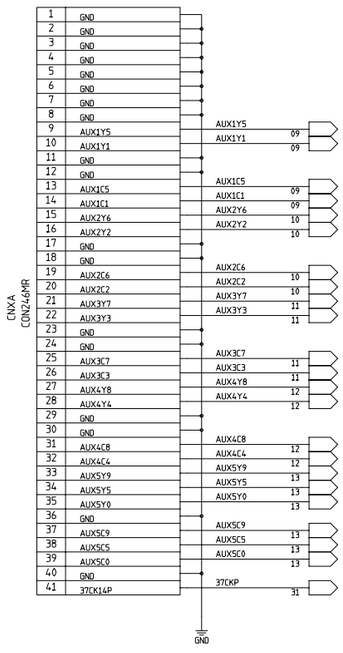


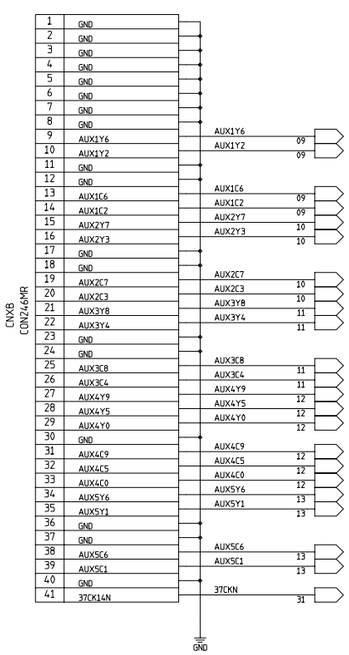


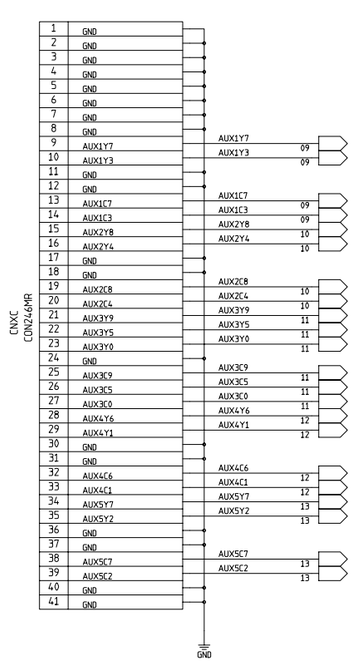


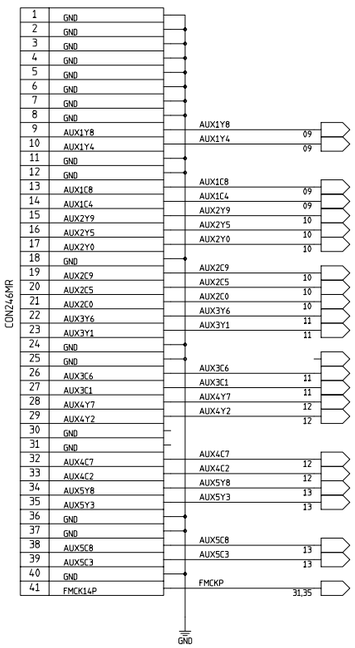


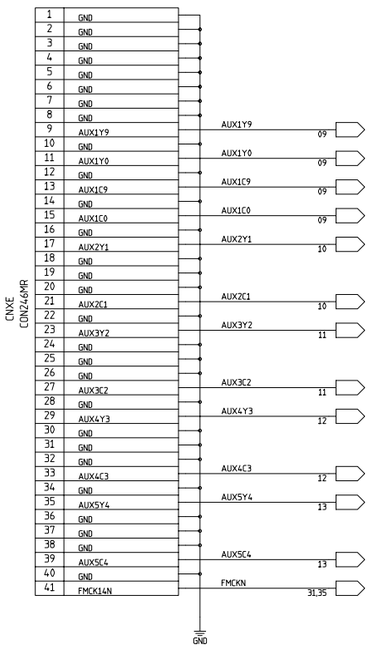


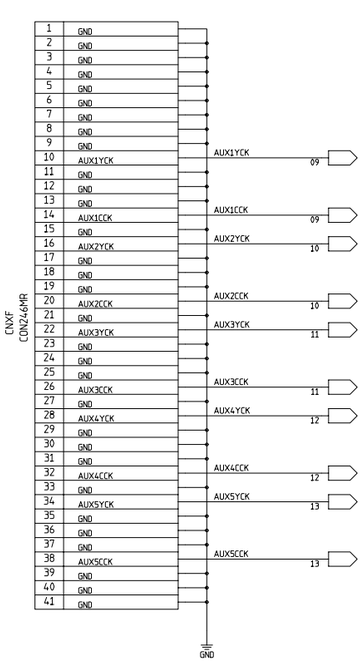












Output Board
OUT-7 (1/43)
BOARD NO. 1-668-547-12

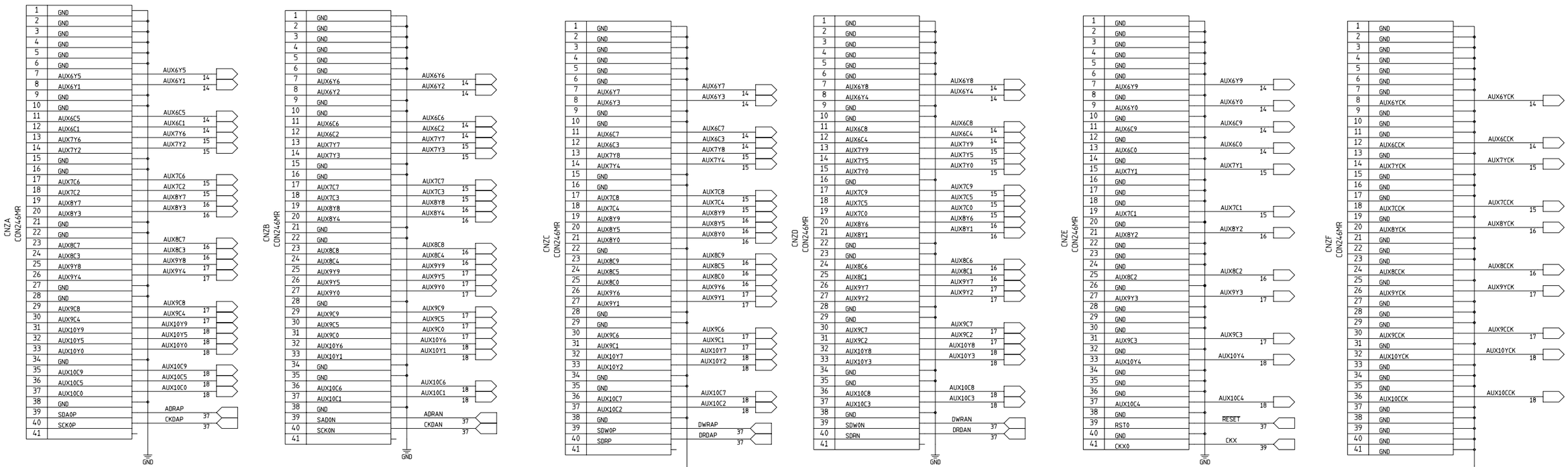
HDS-7000

HDS-7000

429

OUT-7 (2/43)

OUT-7 (2/43)

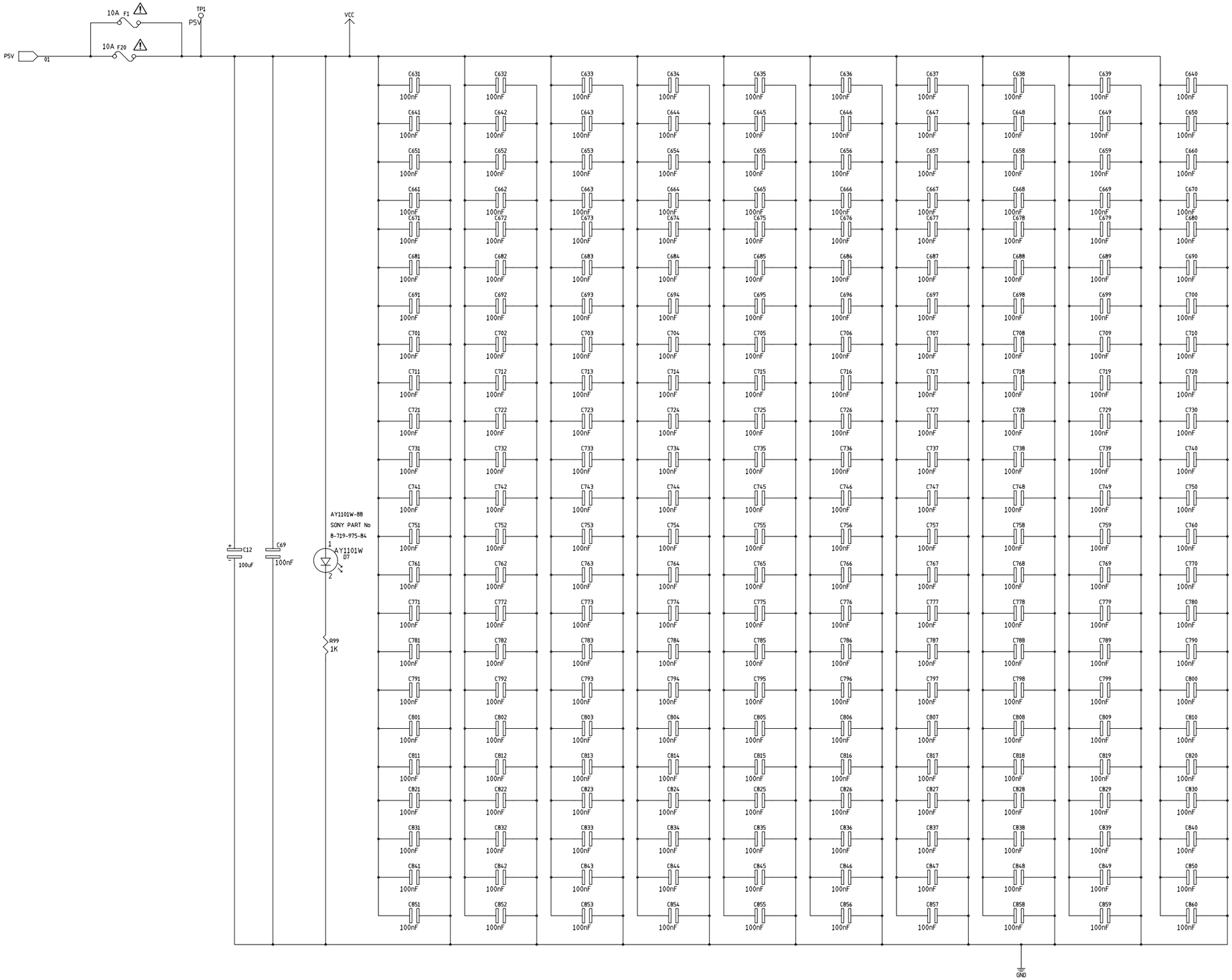


Output Board
OUT-7 (2/43)
BOARD NO. 1-668-547-12

HDS-7000

HDS-7000

430





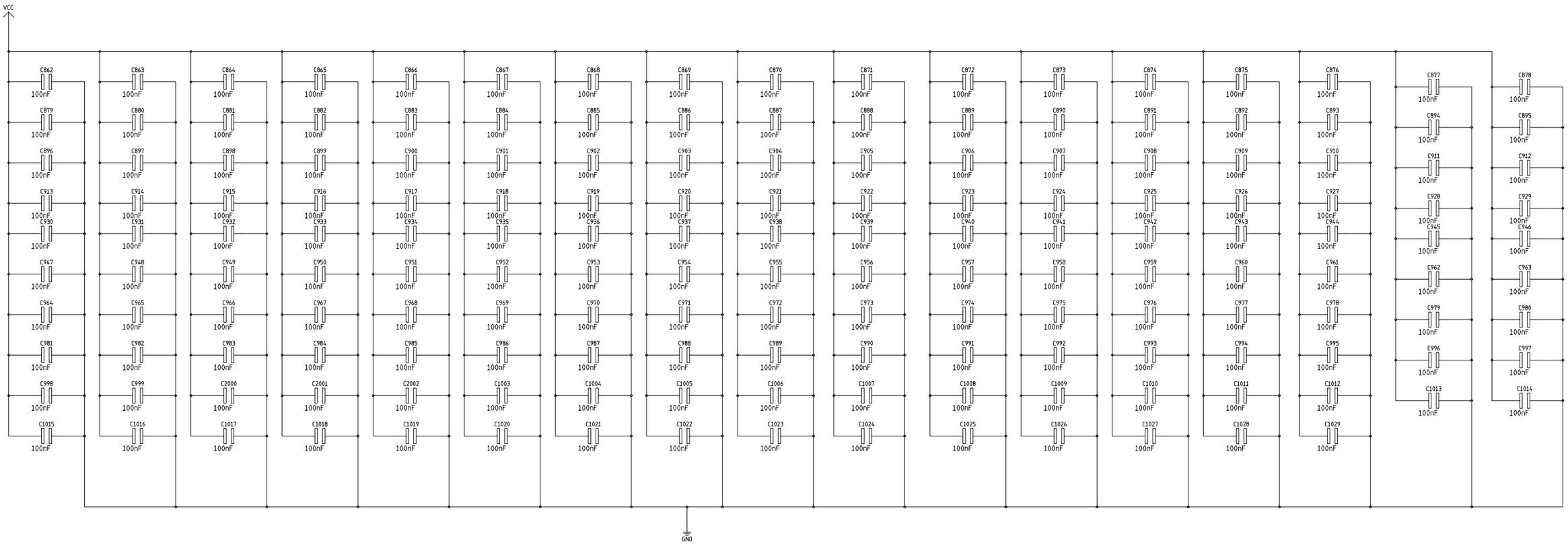
EARTH POINTS FOR TESTING

Output Board
OUT-7 (3/43)
BOARD NO. 1-668-547-12

HDS-7000

A B C D E F G H

OUT-7 (4/43)



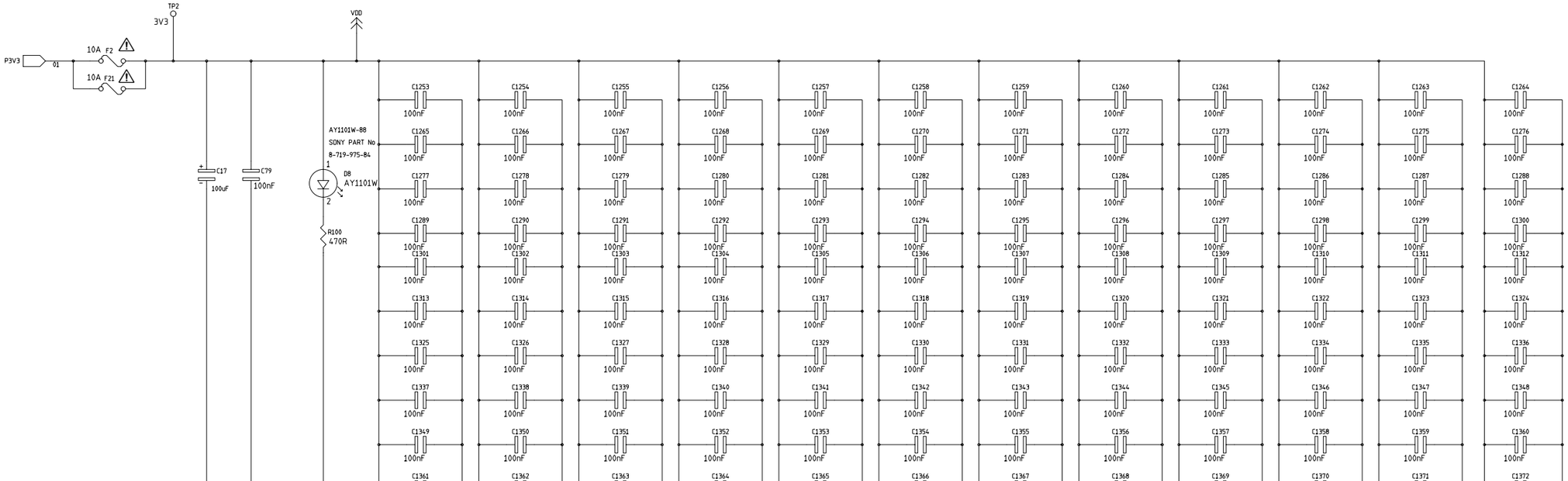
Output Board
OUT-7 (4/43)
BOARD NO. 1-668-547-12

HDS-7000

HDS-7000

432

OUT-7 (5/43)



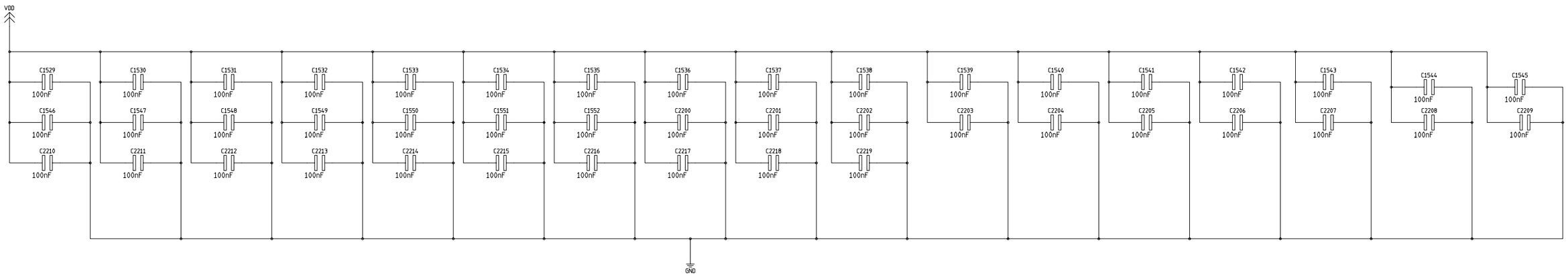
Output Board
OUT-7 (5/43)
BOARD NO. 1-668-547-12

HDS-7000

433

HDS-7000

OUT-7 (6/43)

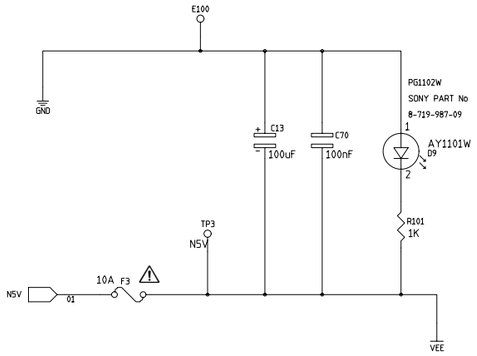


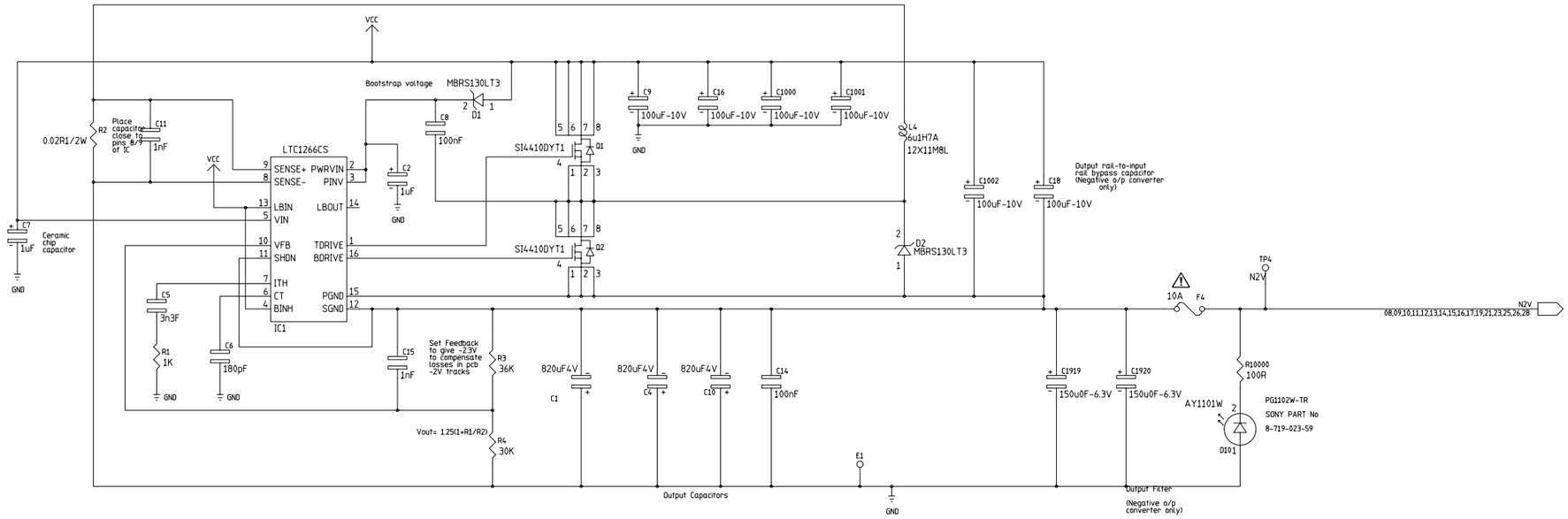
Output Board
OUT-7 (6/43)
BOARD NO. 1-668-547-12

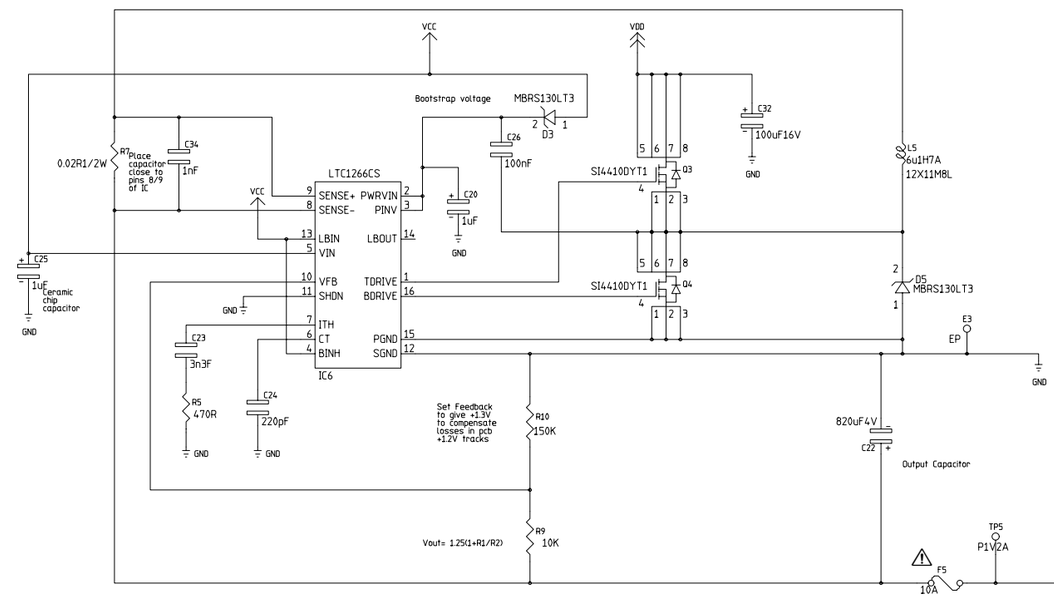
HDS-7000

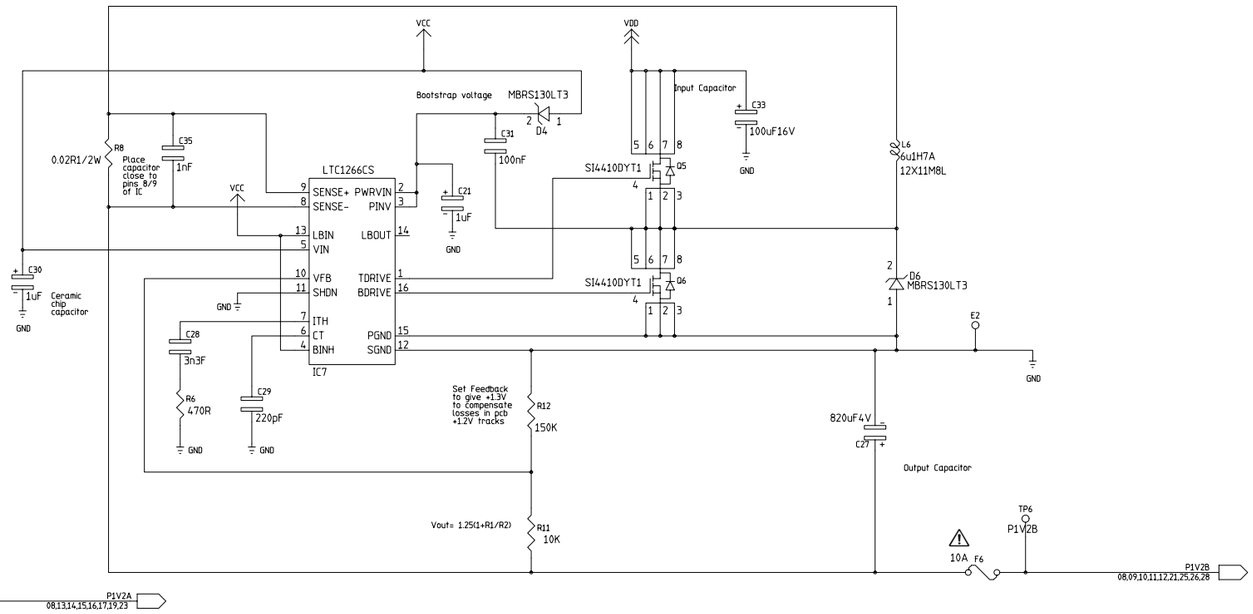
HDS-7000

434







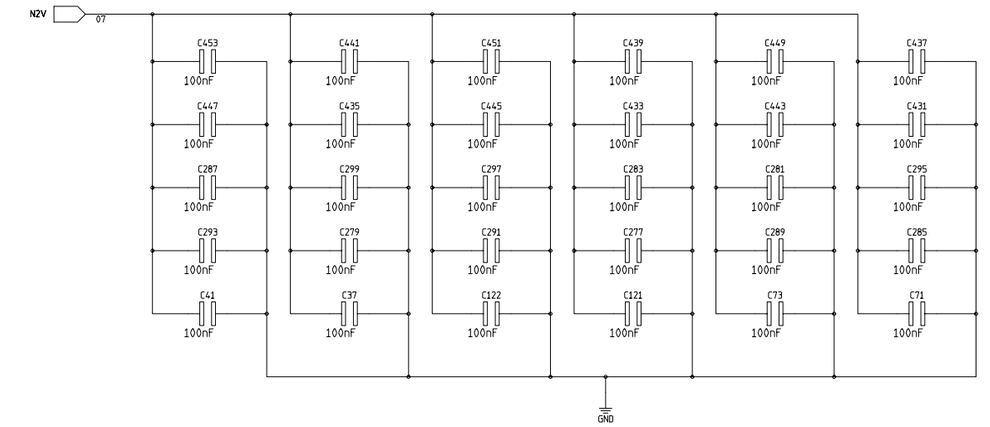


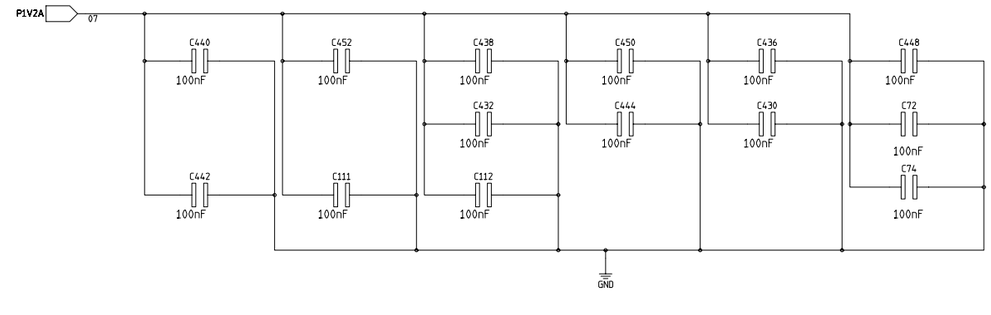
Output Board
OUT-7 (7/43)
BOARD NO. 1-668-547-12

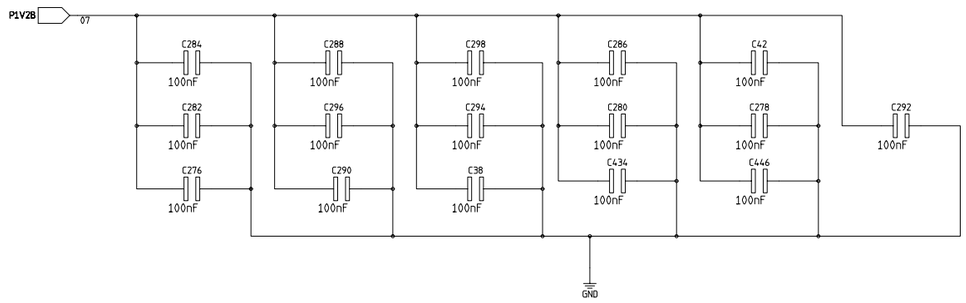
HDS-7000

HDS-7000

OUT-7 (8/43)





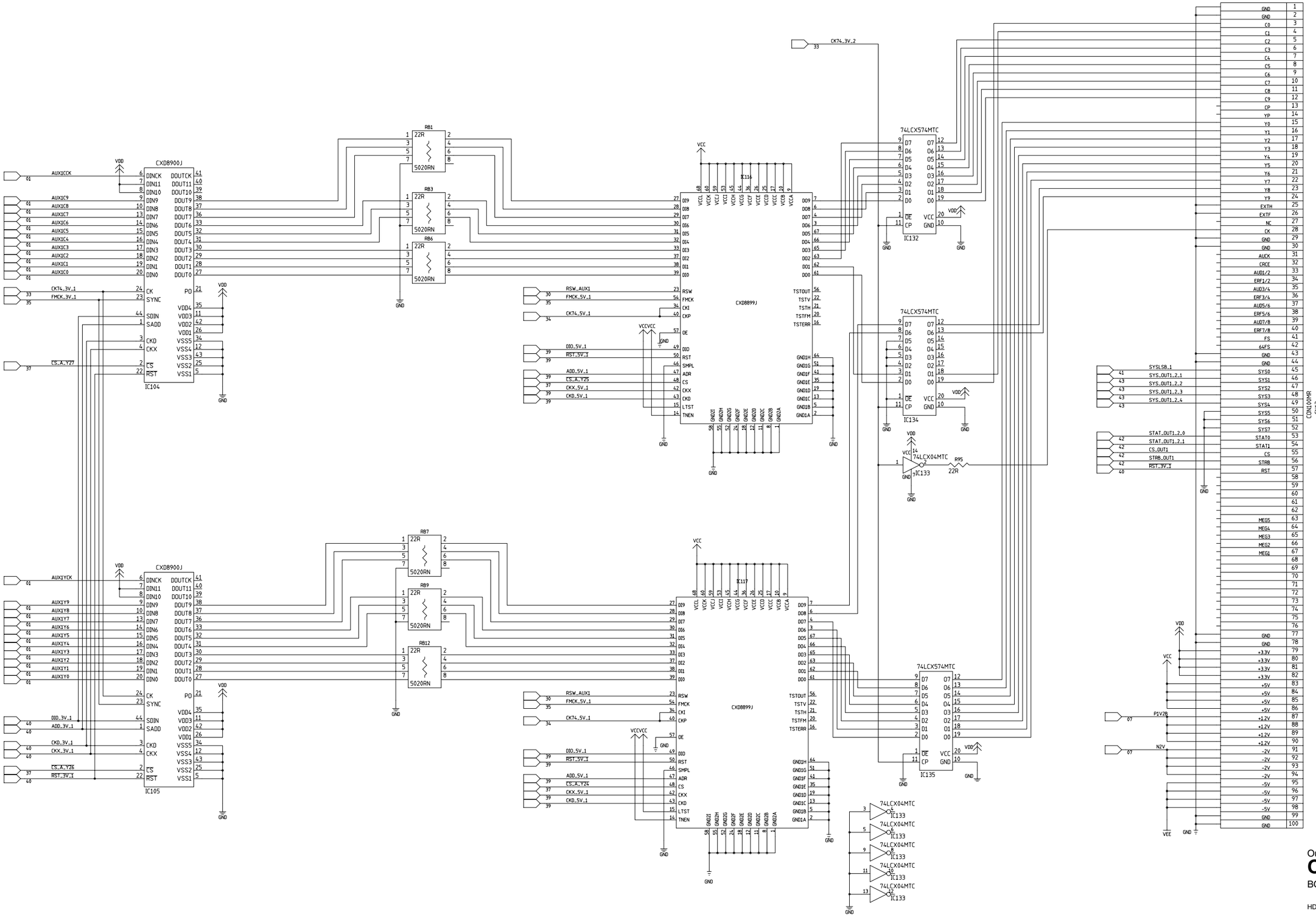


Output Board
OUT-7 (8/43)
BOARD NO. 1-668-547-12

HDS-7000

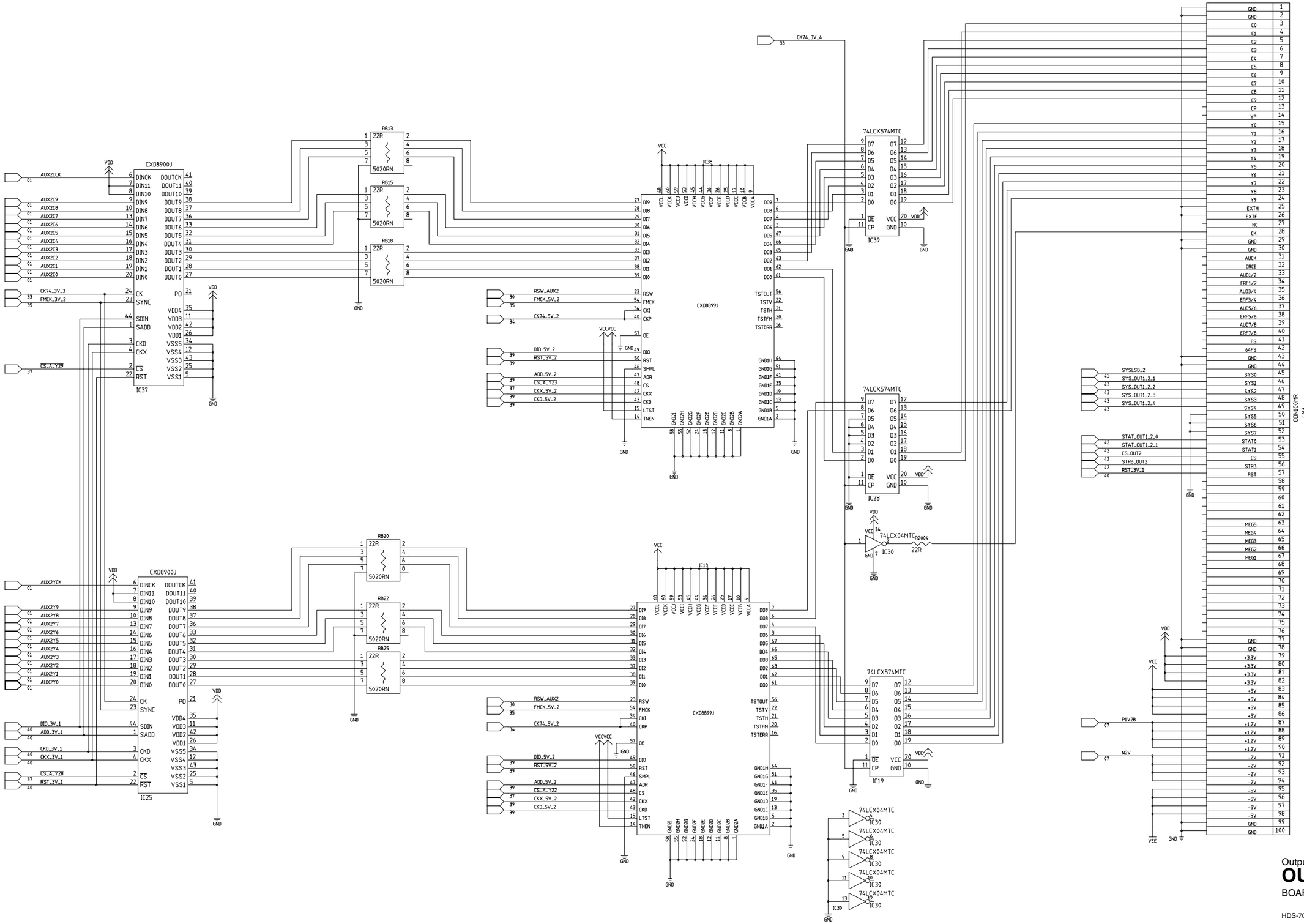
436
HDS-7000

OUT-7 (9/43)



Output Board
OUT-7 (9/43)
BOARD NO. 1-668-547-12

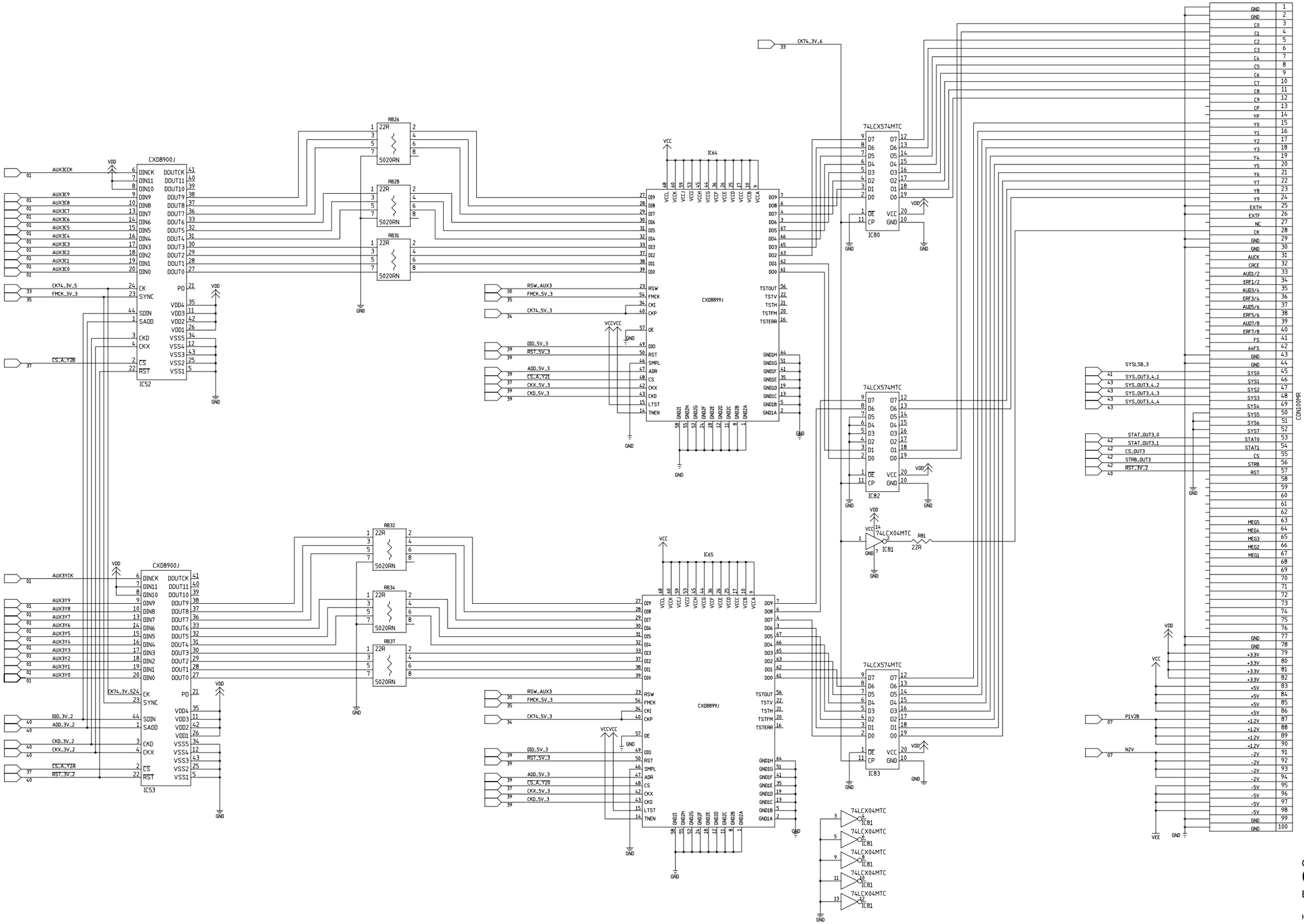
HDS-7000



Output Board
OUT-7 (10/43)
BOARD NO. 1-668-547-12

HDS-7000

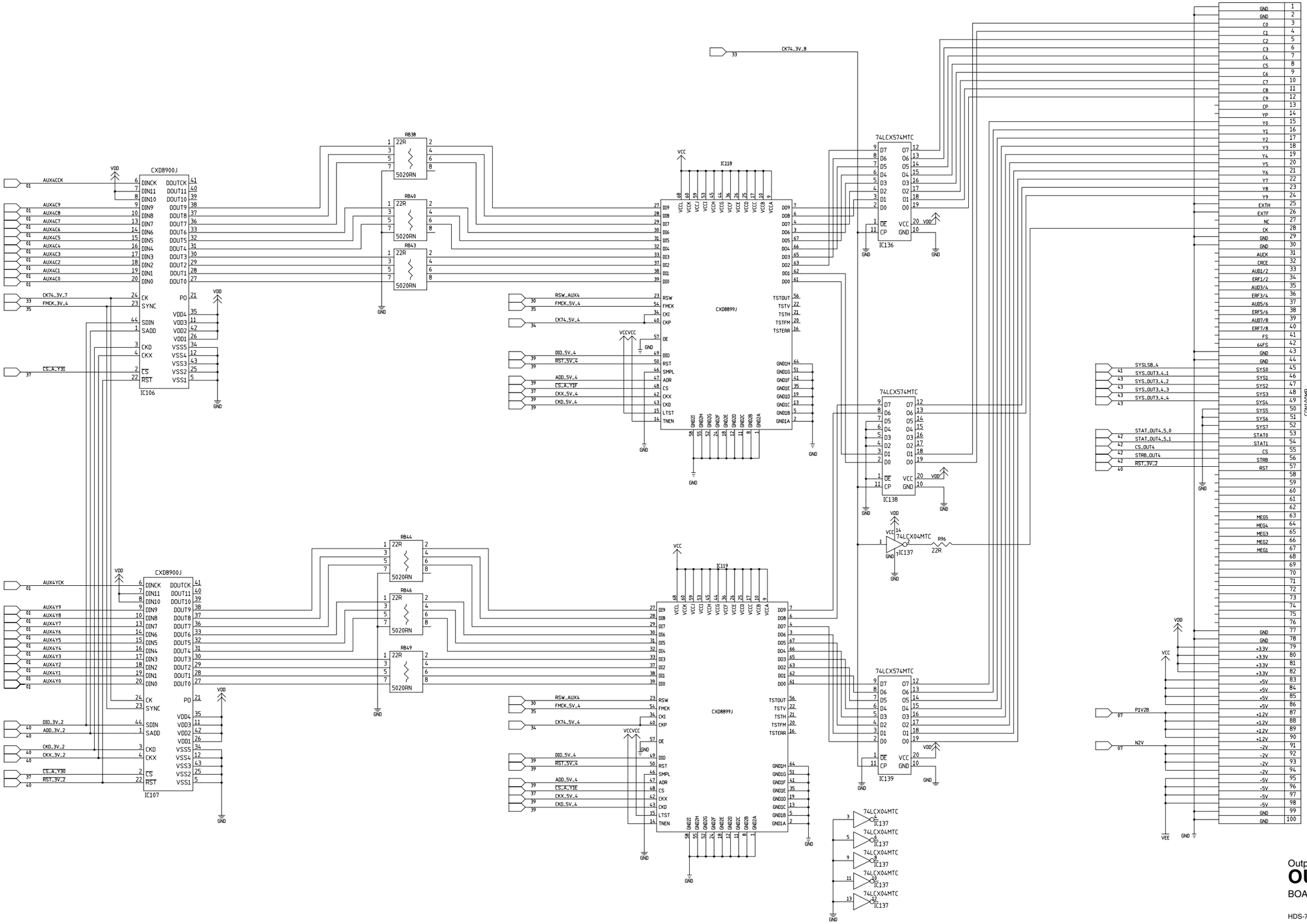
OUT-7 (11/43)



Output Board
OUT-7 (11/43)
BOARD NO. 1-668-547-12

HDS-7000

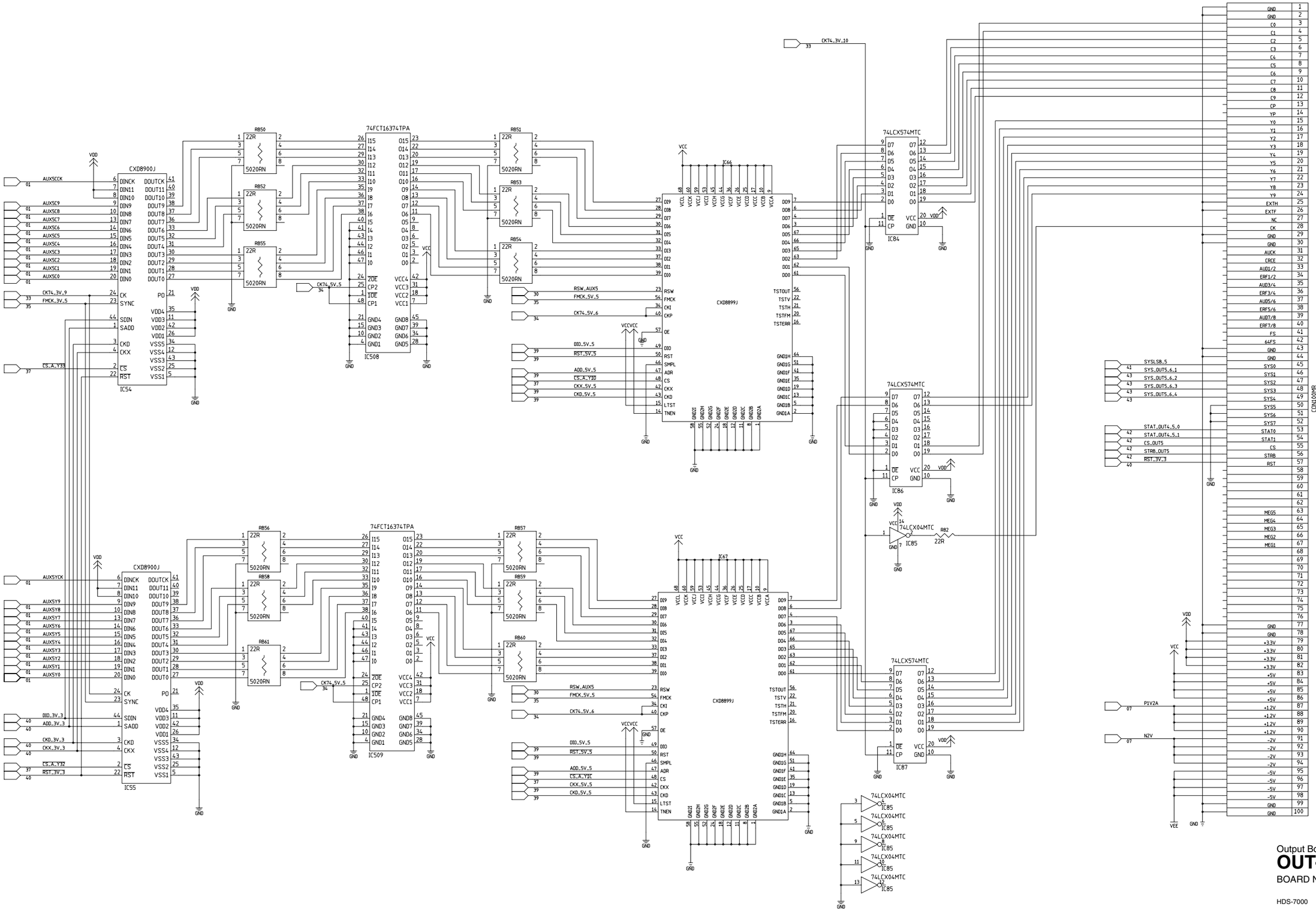
OUT-7 (12/43)



Output Board
OUT-7 (12/43)
BOARD NO. 1-668-547-12

HDS-7000

OUT-7 (13/43)

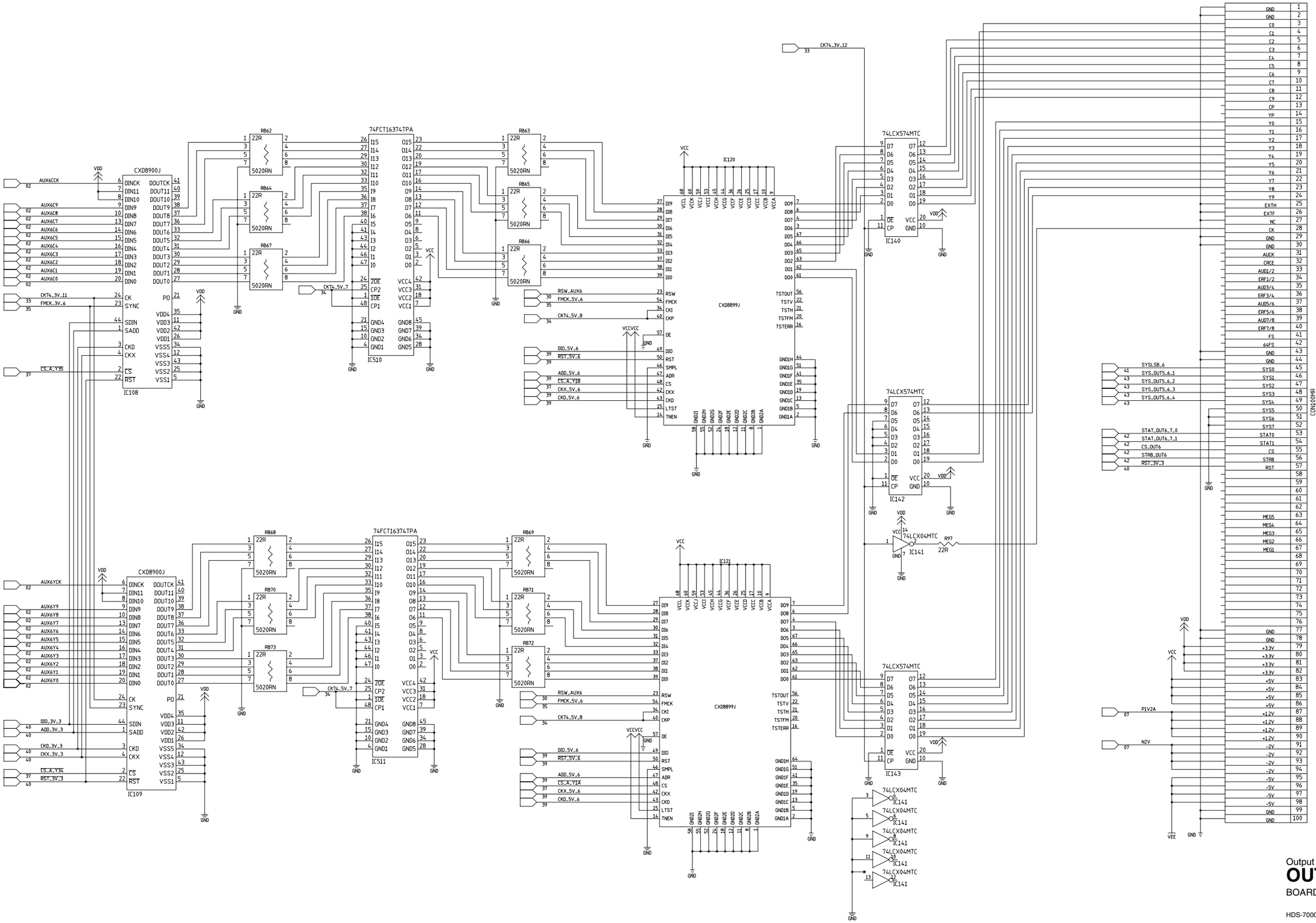


Output Board
OUT-7 (13/43)
BOARD NO. 1-668-547-12

HDS-7000

441
HDS-7000

OUT-7 (14/43)

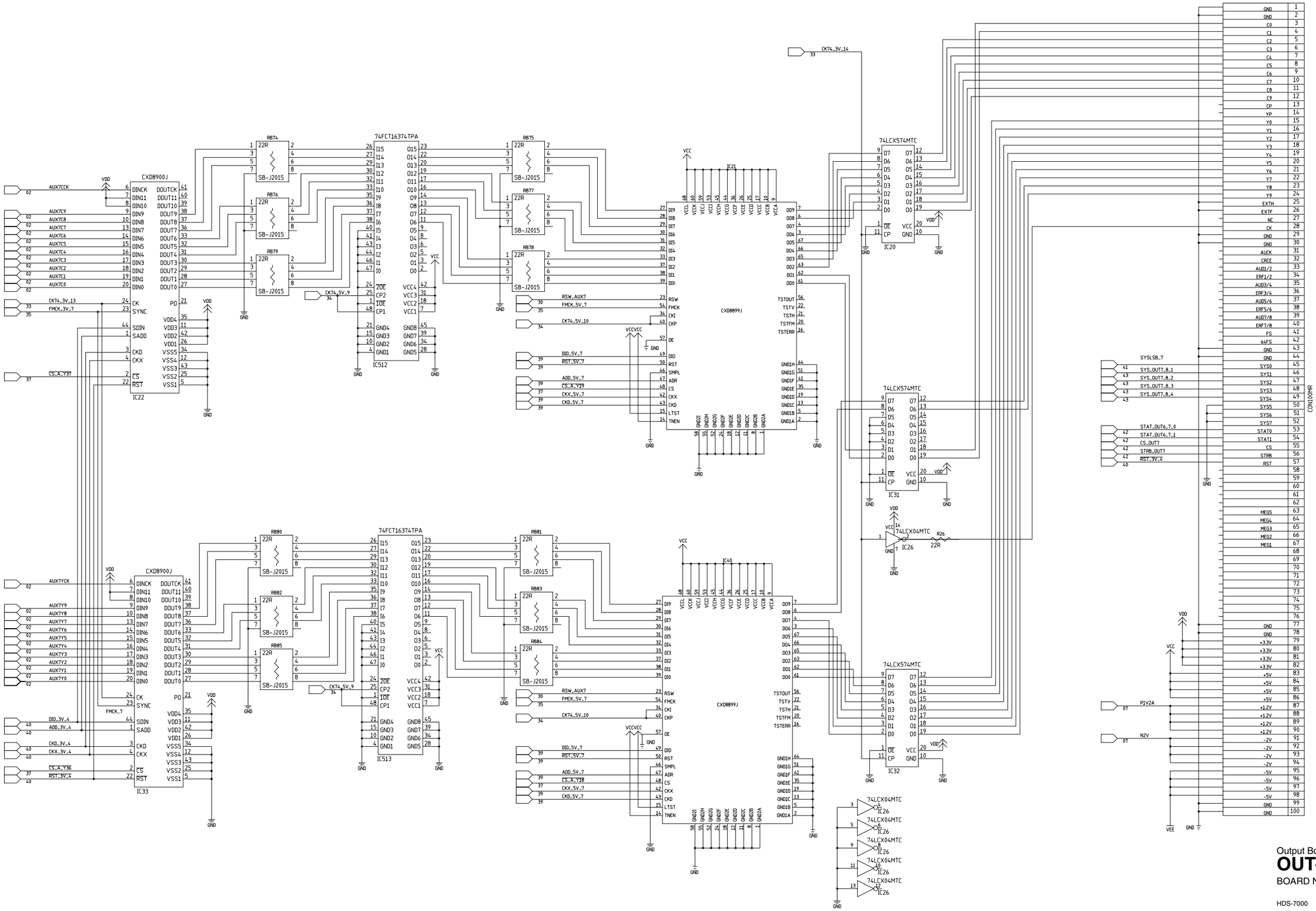


442

Output Board
OUT-7 (14/43)
BOARD NO. 1-668-547-12

HDS-7000

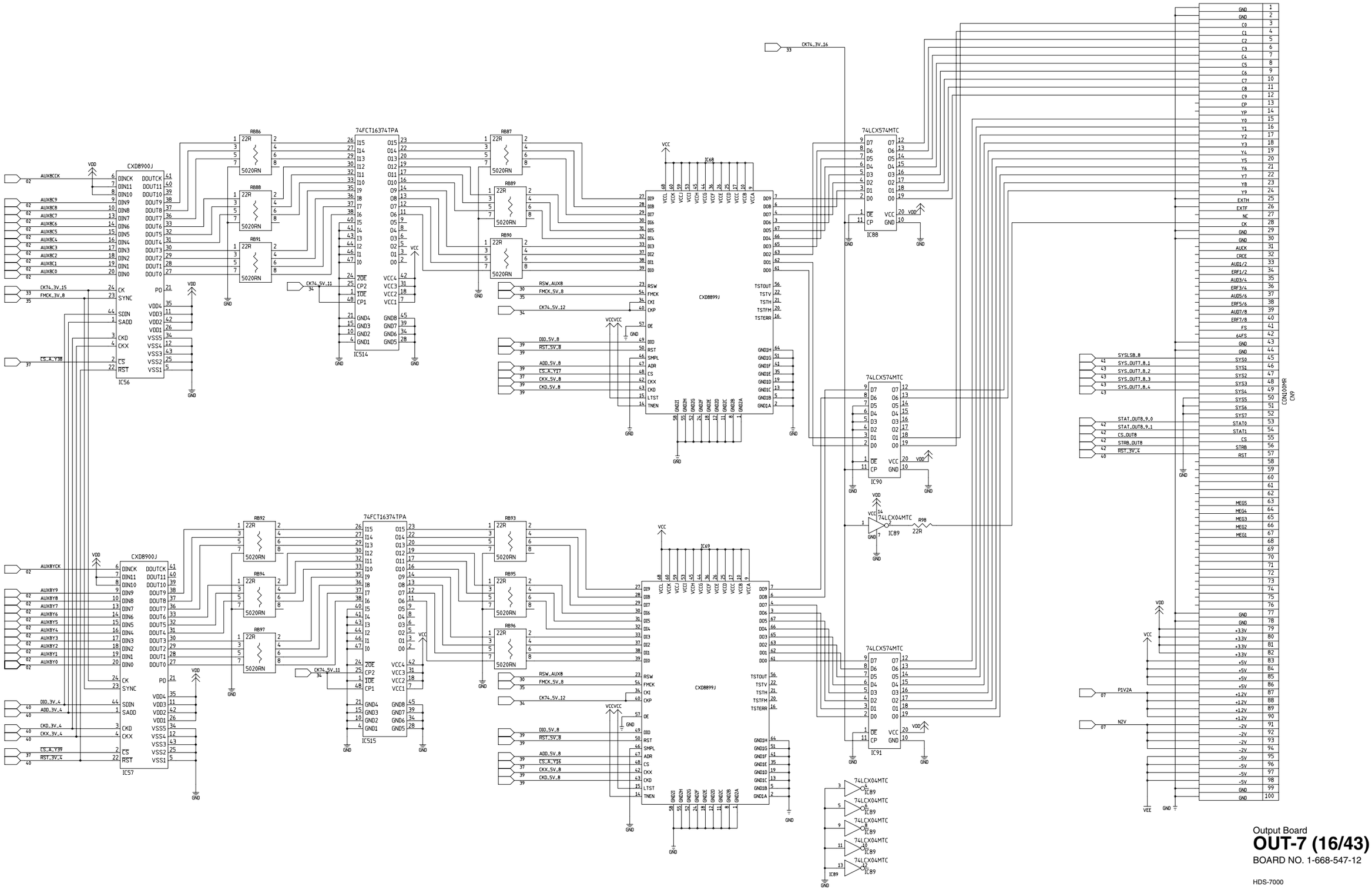
HDS-7000



Output Board
OUT-7 (15/43)
BOARD NO. 1-668-547-12

HDS-7000

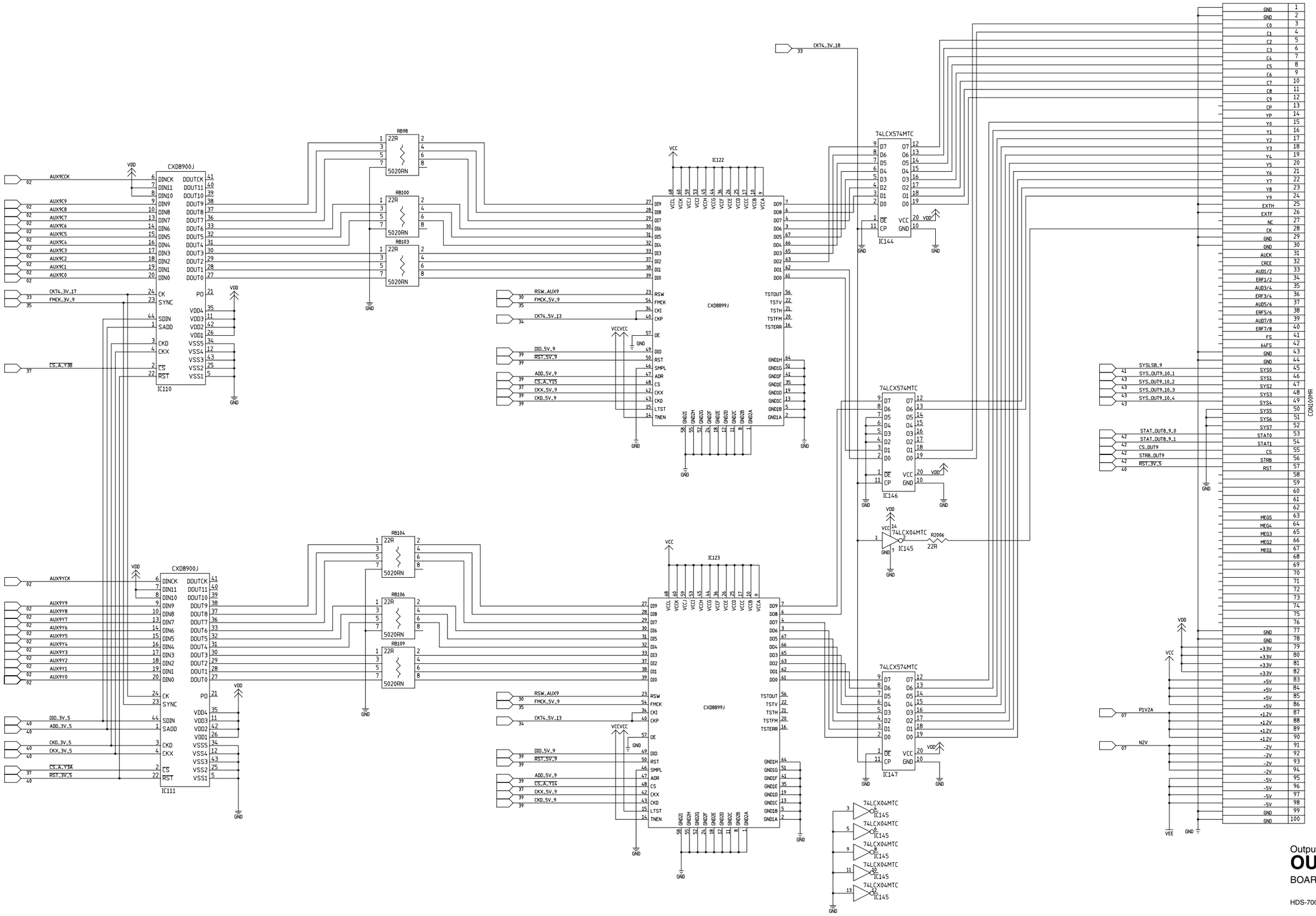
OUT-7 (16/43)



Output Board
OUT-7 (16/43)
BOARD NO. 1-668-547-12

HDS-7000

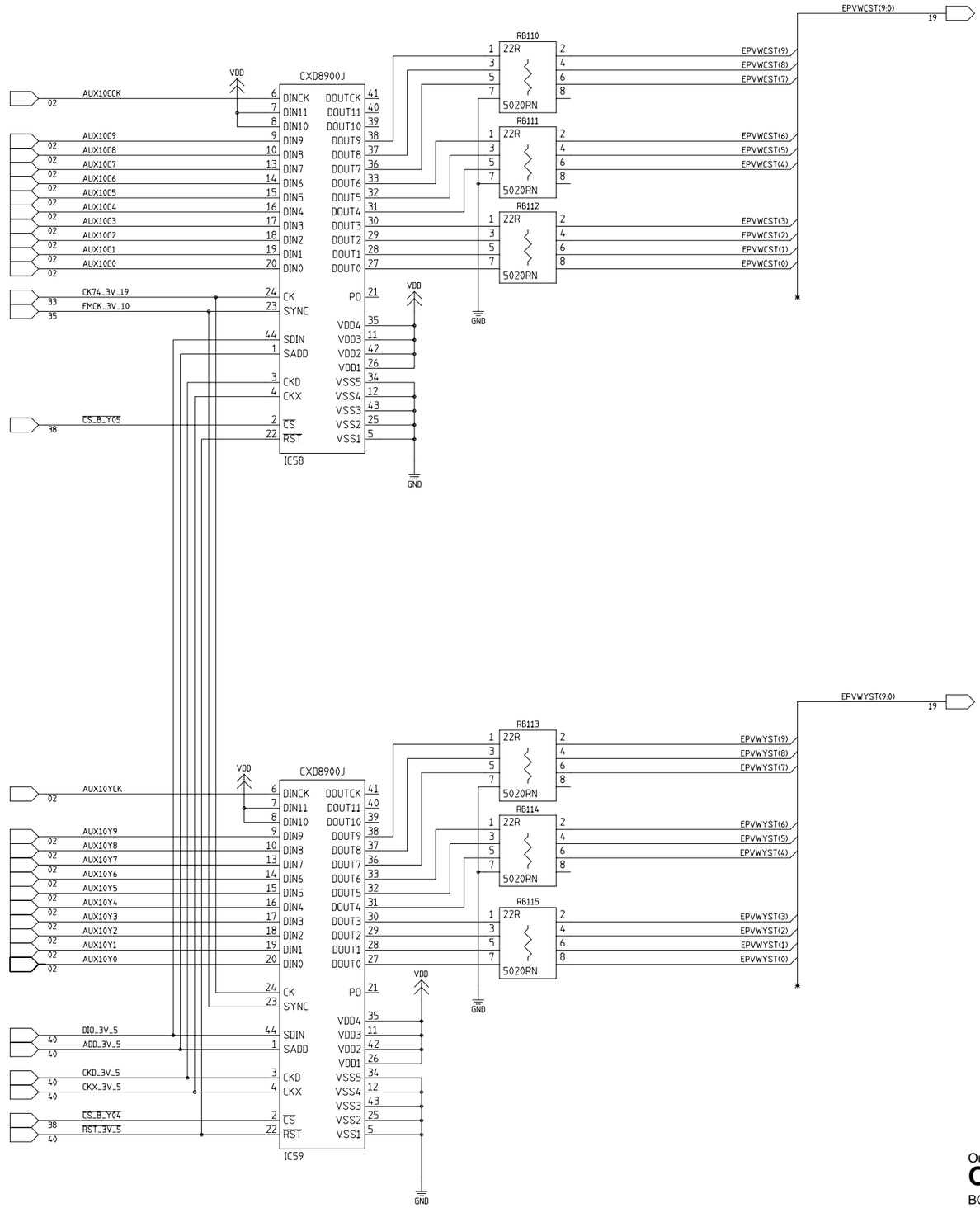
OUT-7 (17/43)



Output Board
OUT-7 (17/43)
BOARD NO. 1-668-547-12

HDS-7000

OUT-7 (18/43)

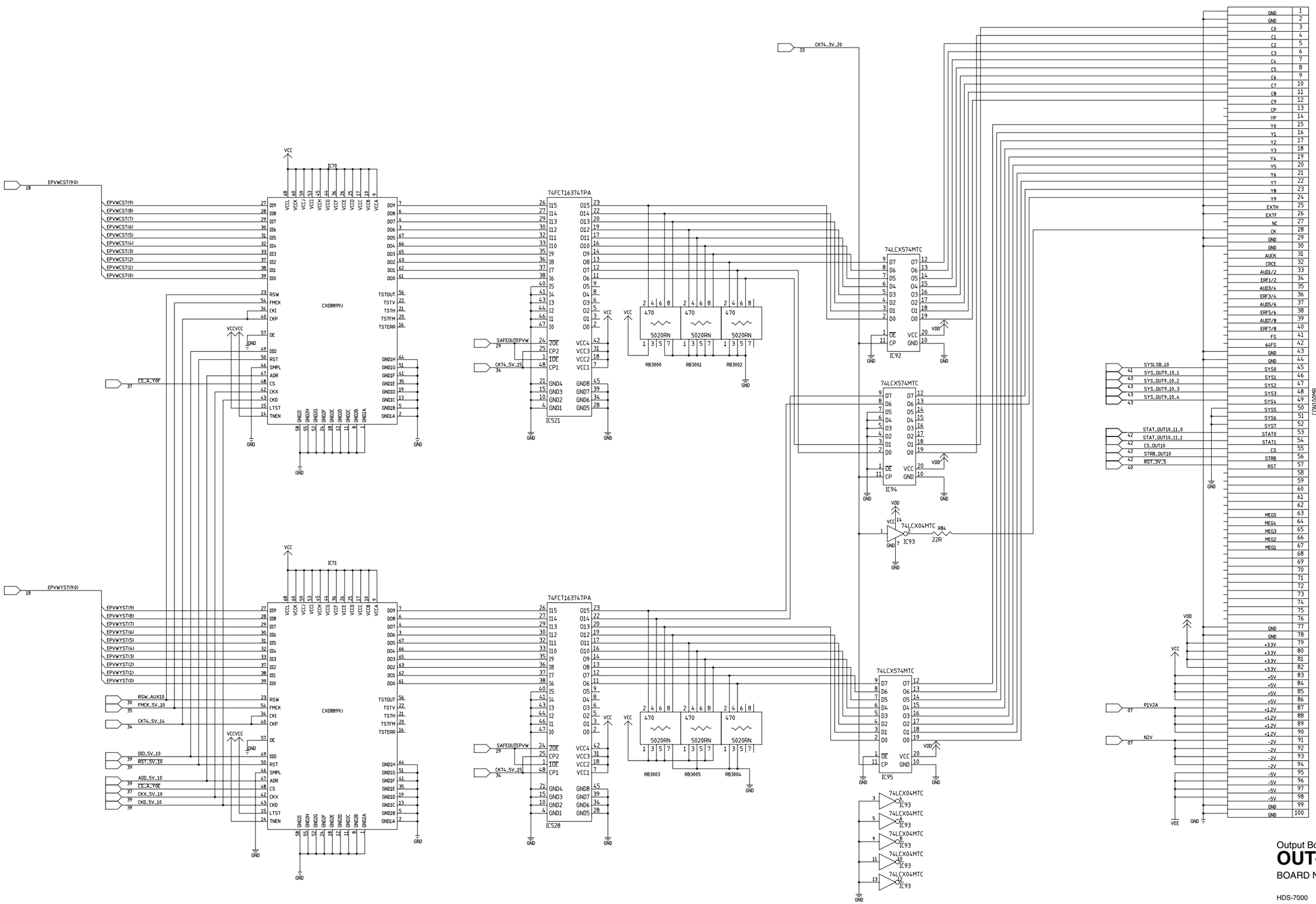


Output Board
OUT-7 (18/43)
BOARD NO. 1-668-547-12

HDS-7000

446

HDS-7000



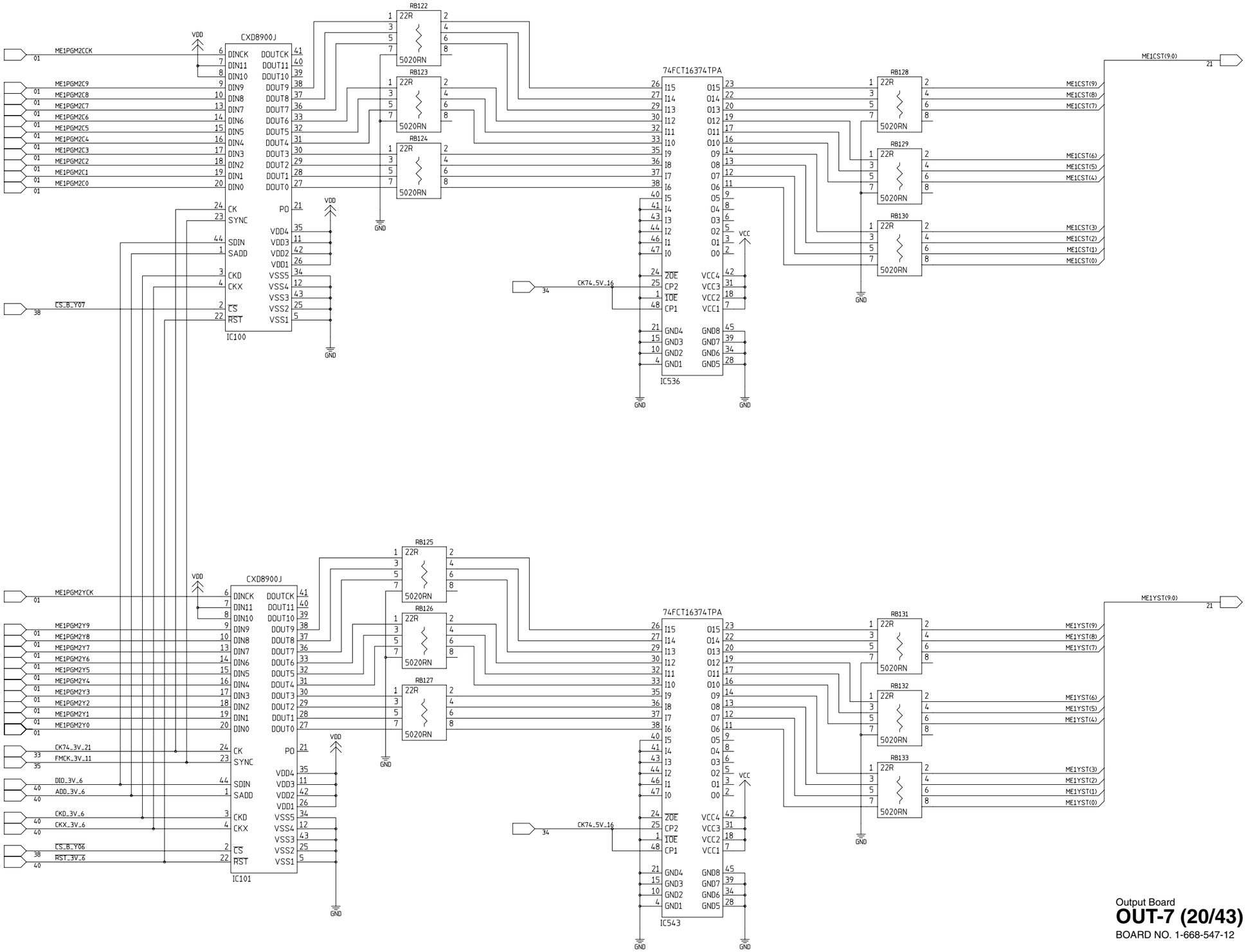
Output Board

OUT-7 (19/43)

BOARD NO. 1-668-547-12

HDS-7000

OUT-7 (20/43)



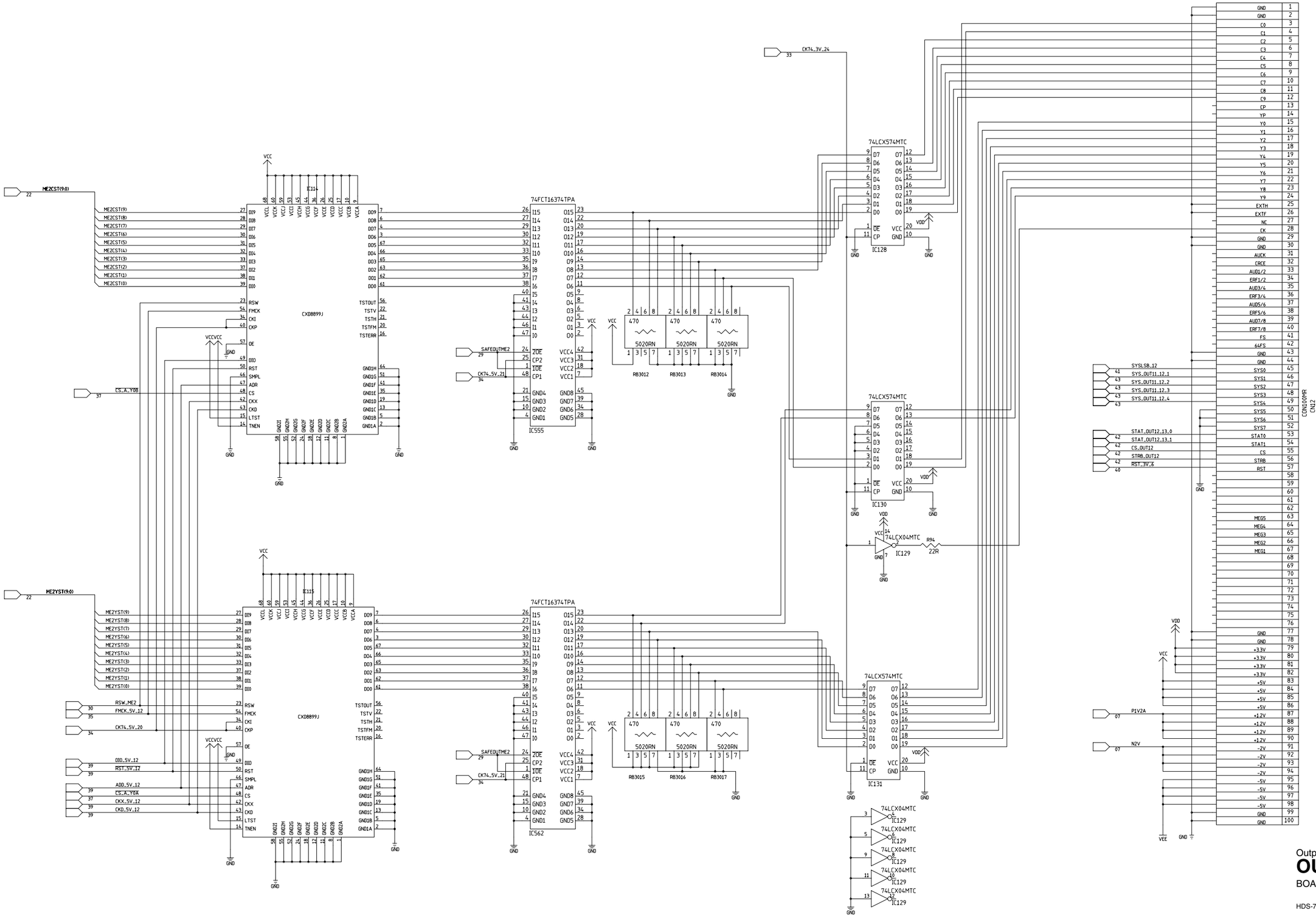
Output Board
OUT-7 (20/43)
BOARD NO. 1-668-547-12

HDS-7000

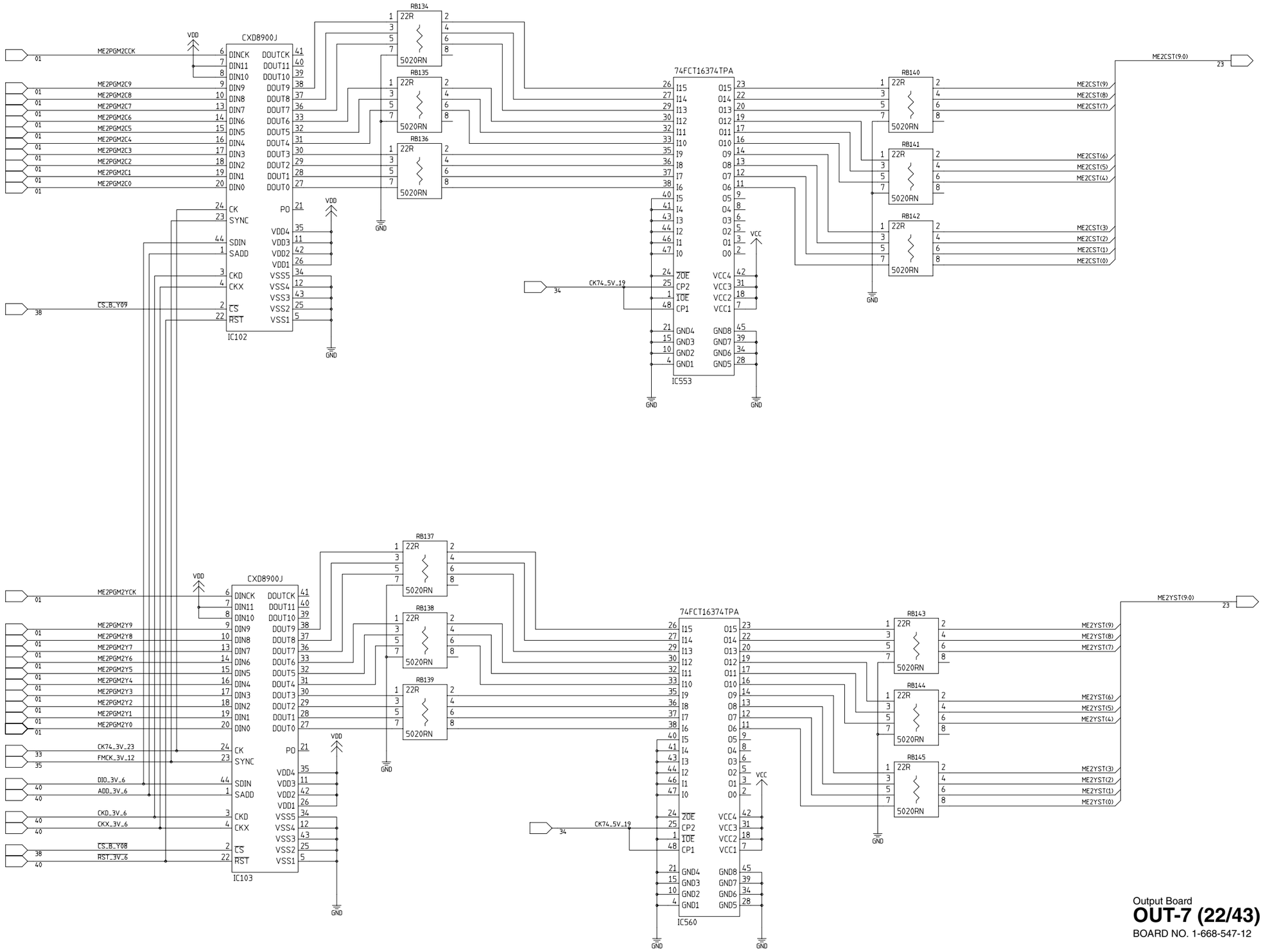
448

HDS-7000

OUT-7 (21/43)


IC114
CXD8899J
IC115
74FCT16374TPA
IC555
IC562
74LCX574MTC
IC128
IC130
IC131
74LCX04MTC
IC129
5020RN
RB3012
RB3013
RB3014
RB3015
RB3016
RB3017
CDN100MR
CN12
ME2CST(9:0)
ME2YST(9:0)
CS_A_Y08
SAFEOUTME2
CK74_5V_21
CK74_3V_24
SYSLSB_12
STAT_OUT12_13_0
STAT_OUT12_13_1
CS_OUT12
STRB_OUT12
RST_3V_6
P1V2A
N2V
Output Board
OUT-7 (21/43)
BOARD NO. 1-668-547-12
HDS-7000

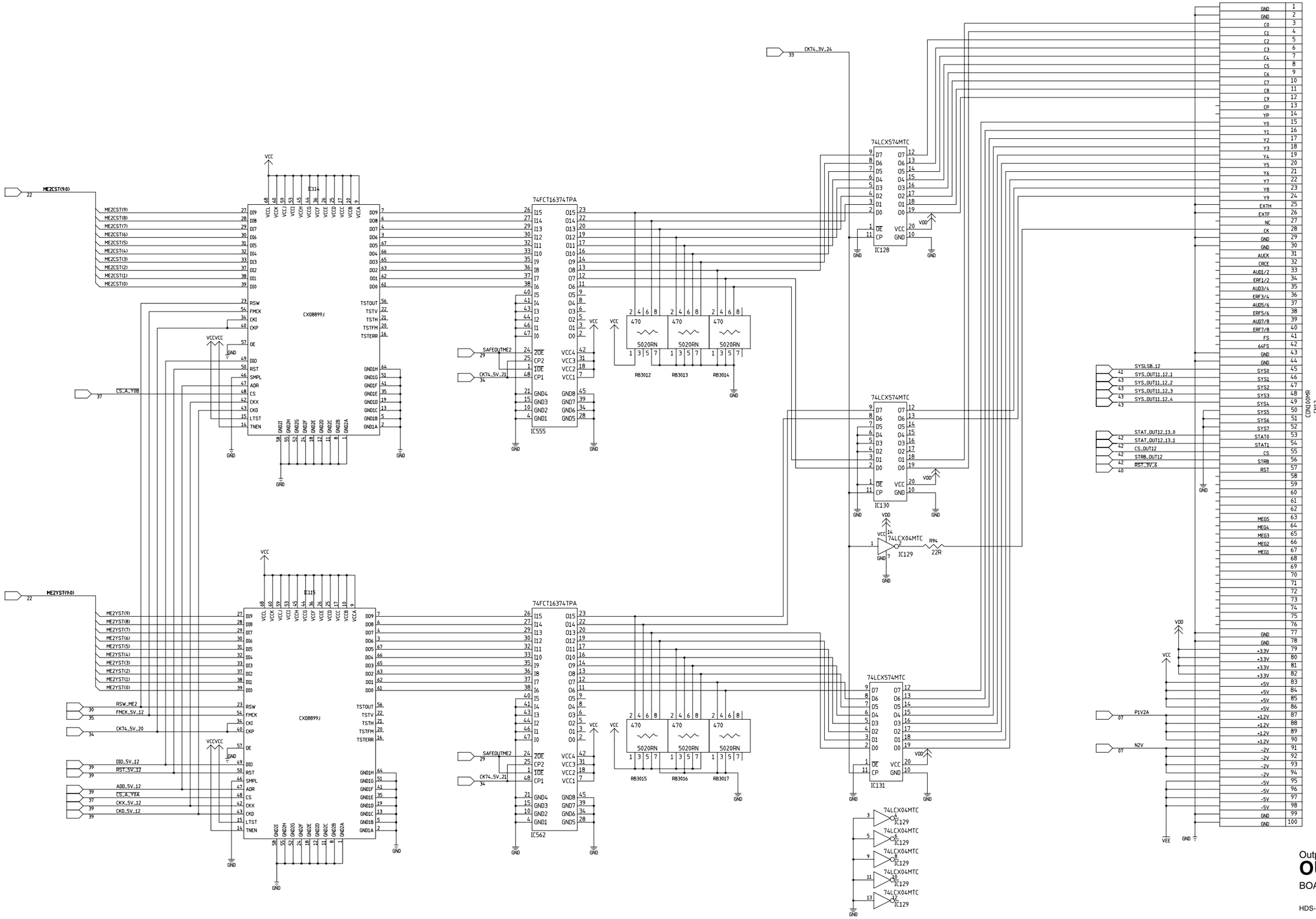
OUT-7 (22/43)



Output Board
OUT-7 (22/43)
BOARD NO. 1-668-547-12

HDS-7000

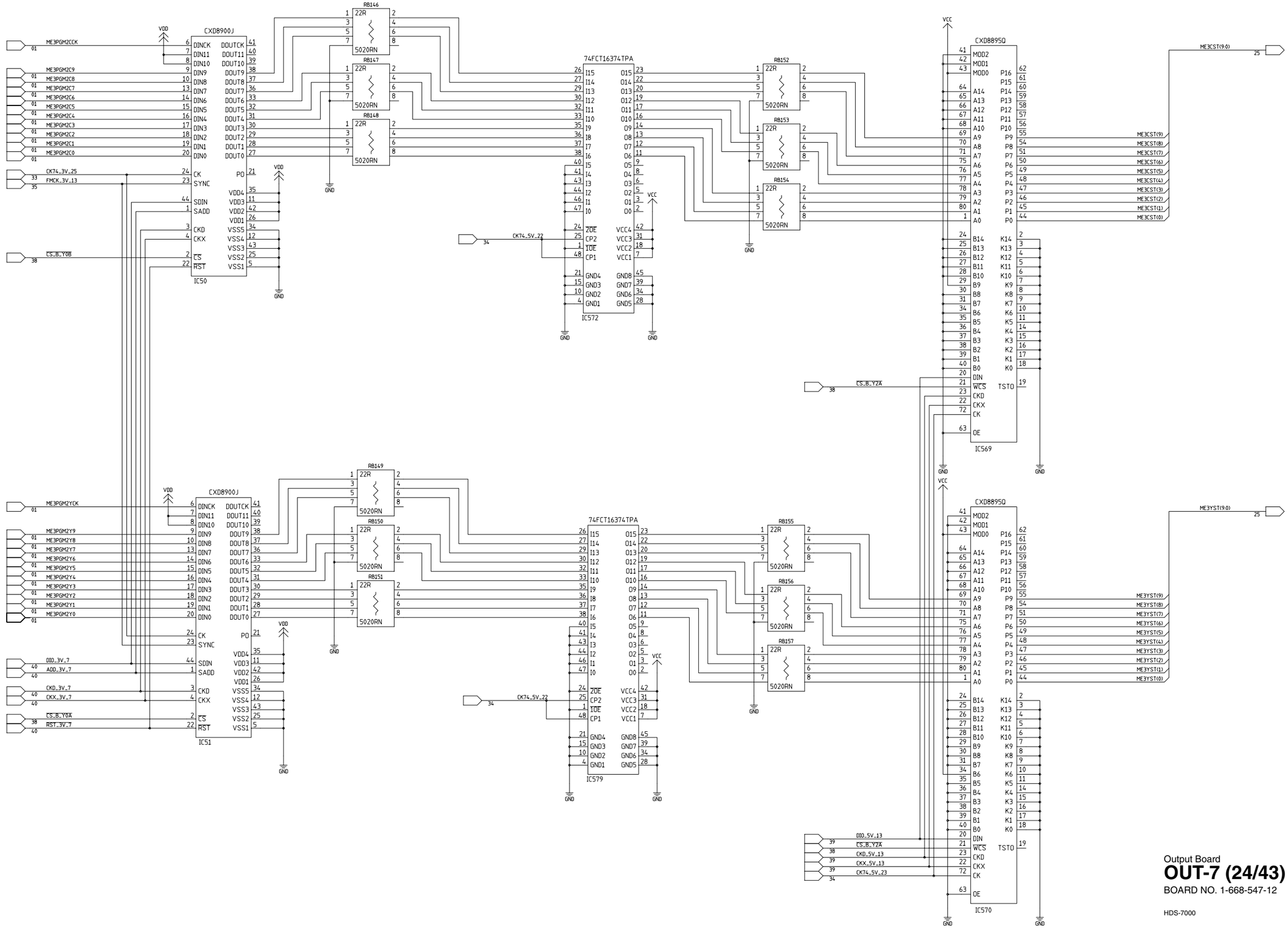
OUT-7 (23/43)



Output Board
OUT-7 (23/43)
BOARD NO. 1-668-547-12

HDS-7000

OUT-7 (24/43)

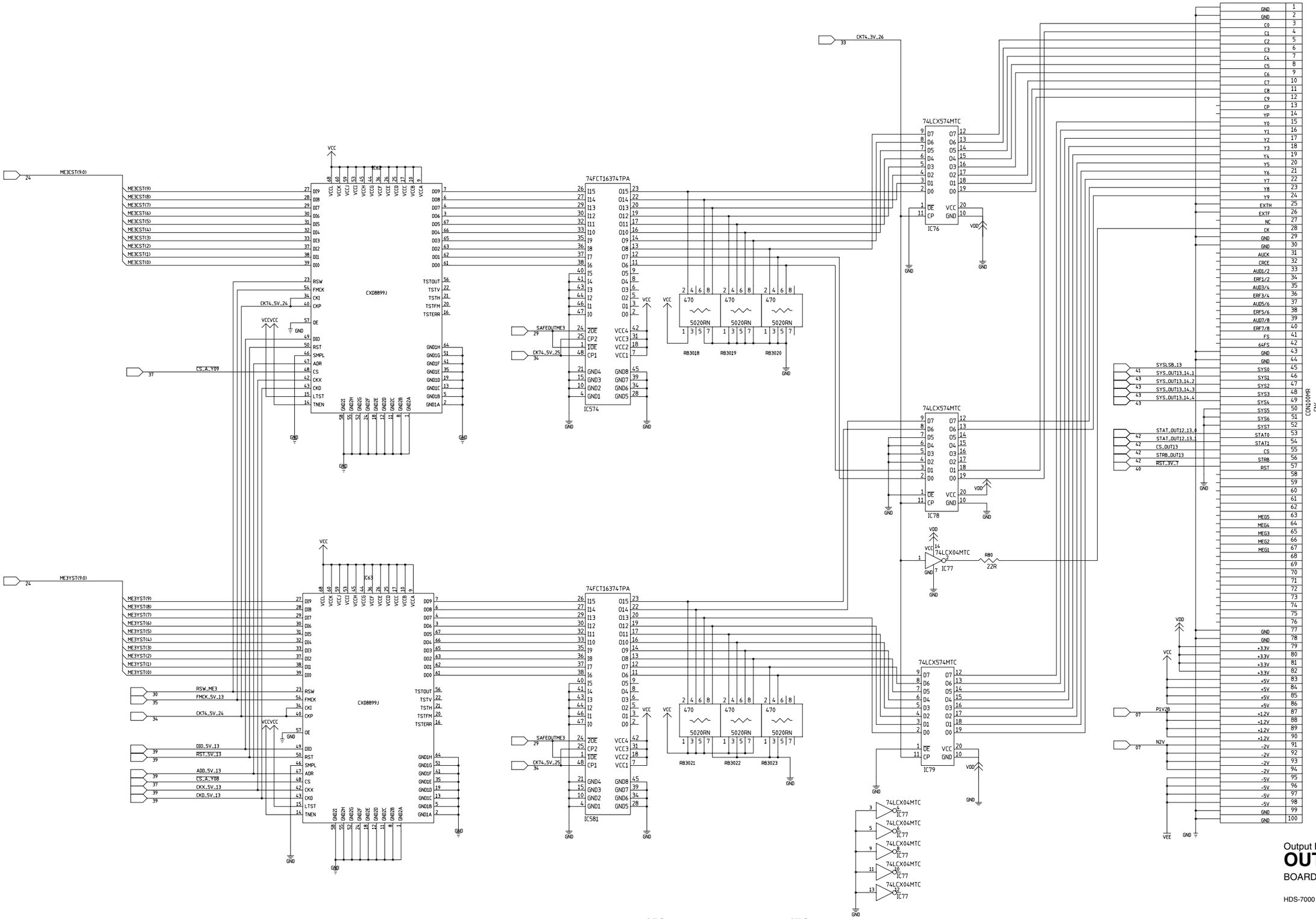


452

Output Board
OUT-7 (24/43)
BOARD NO. 1-668-547-12

HDS-7000

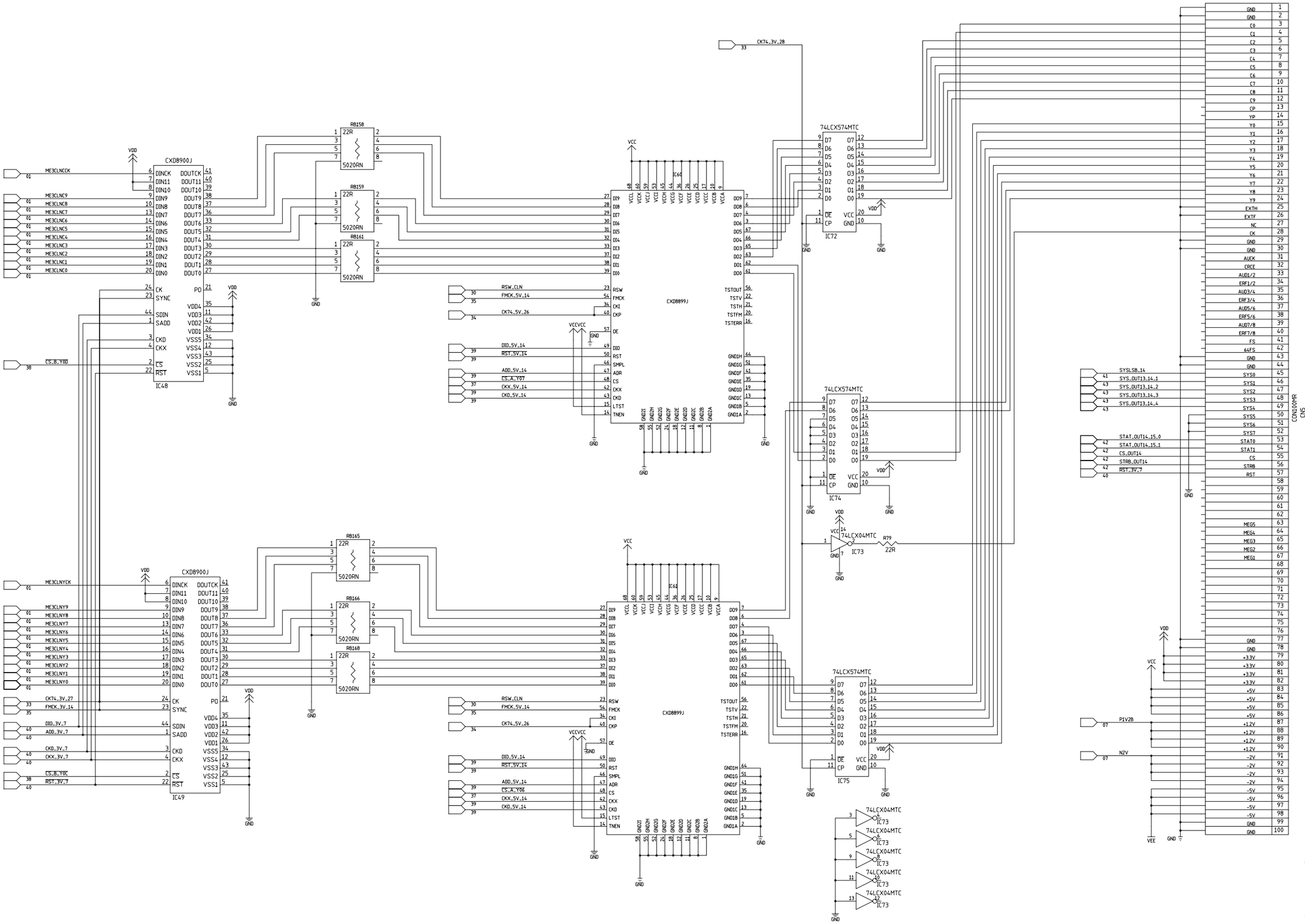
HDS-7000



Output Board
OUT-7 (25/43)
BOARD NO. 1-668-547-12

HDS-7000

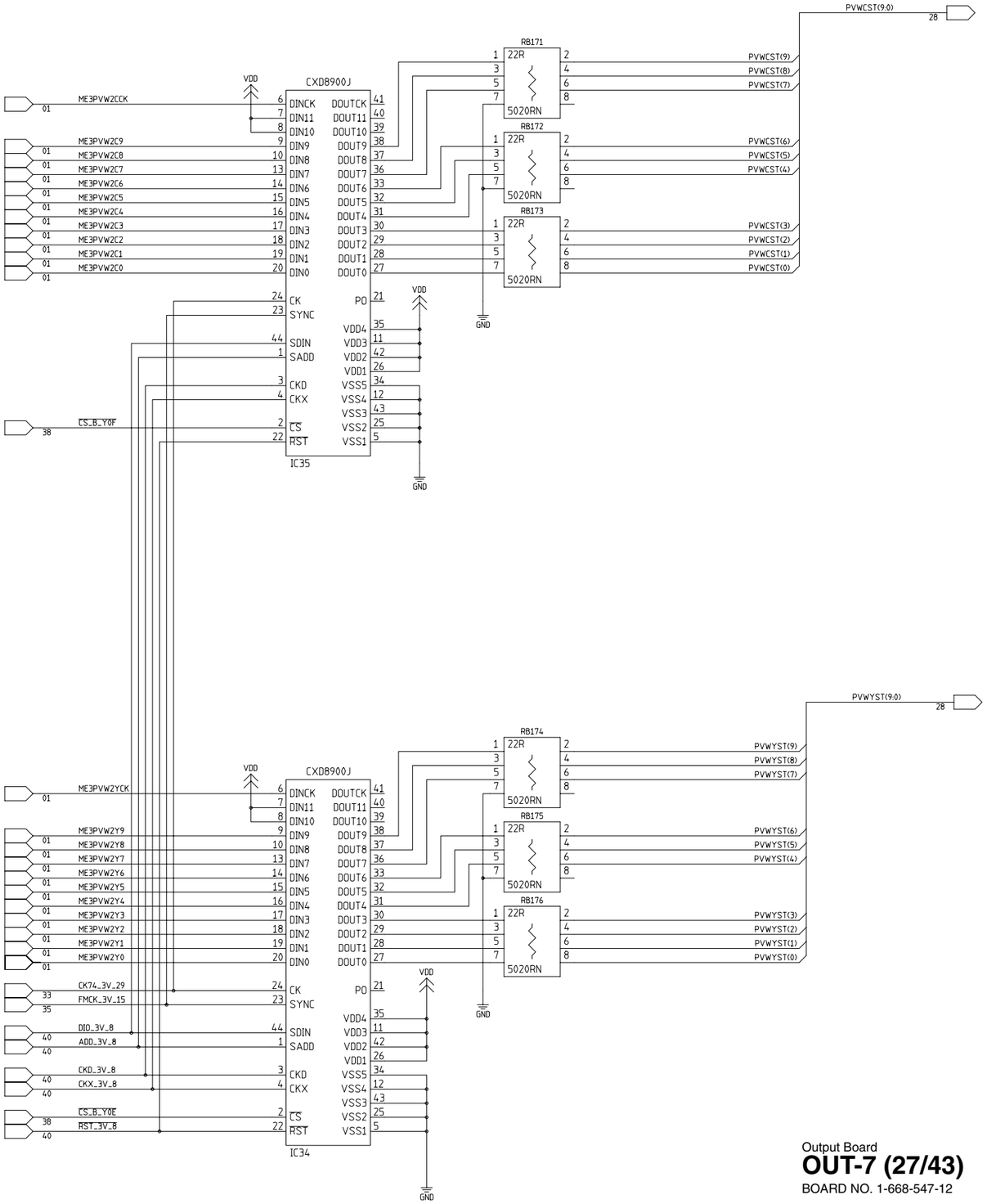
HDS-7000



Output Board
OUT-7 (26/43)
BOARD NO. 1-668-547-12

HDS-7000

OUT-7 (27/43)



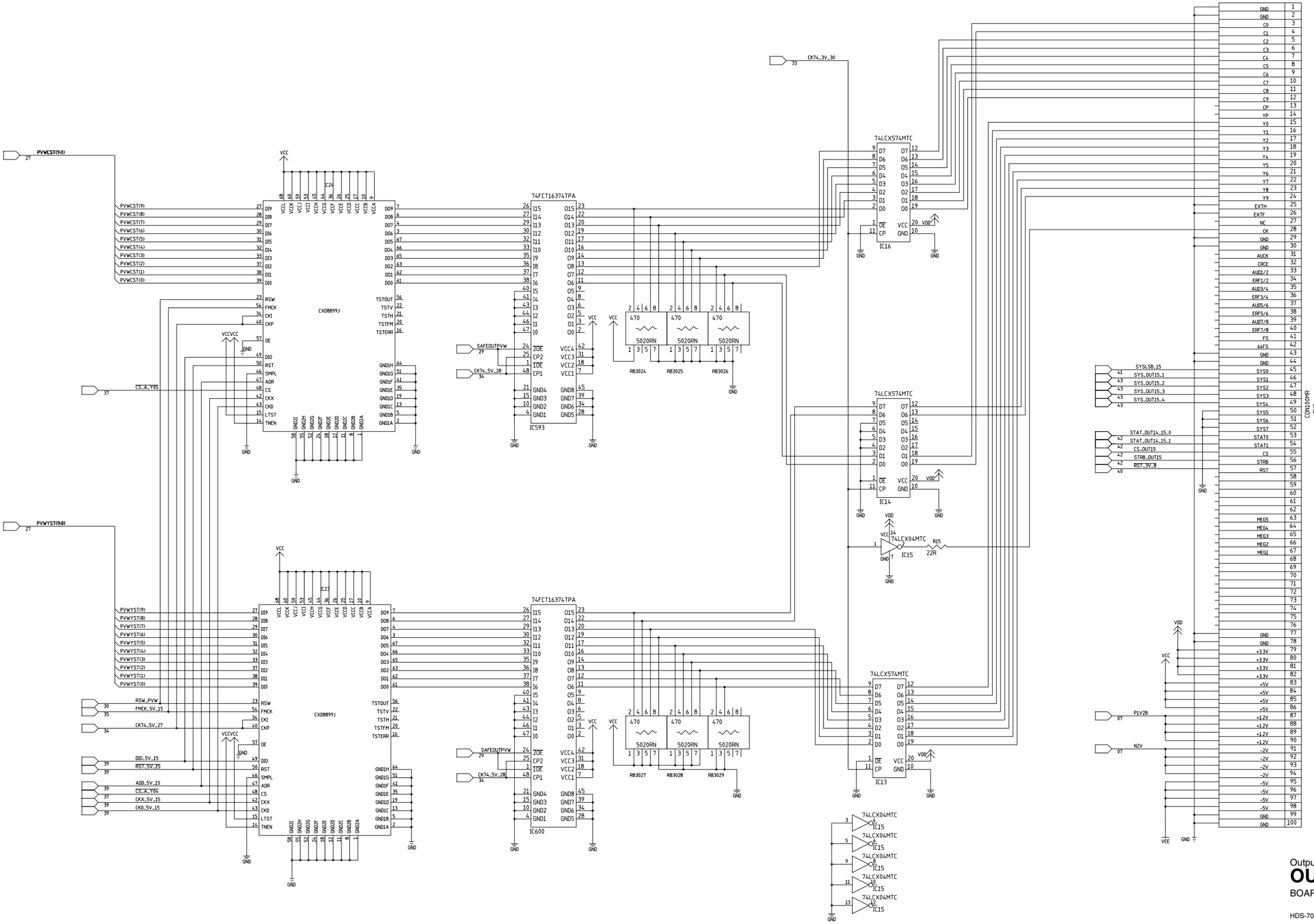
Output Board
OUT-7 (27/43)
BOARD NO. 1-668-547-12

HDS-7000

A B C D E F G H

1 2 3 4 5

OUT-7 (28/43)



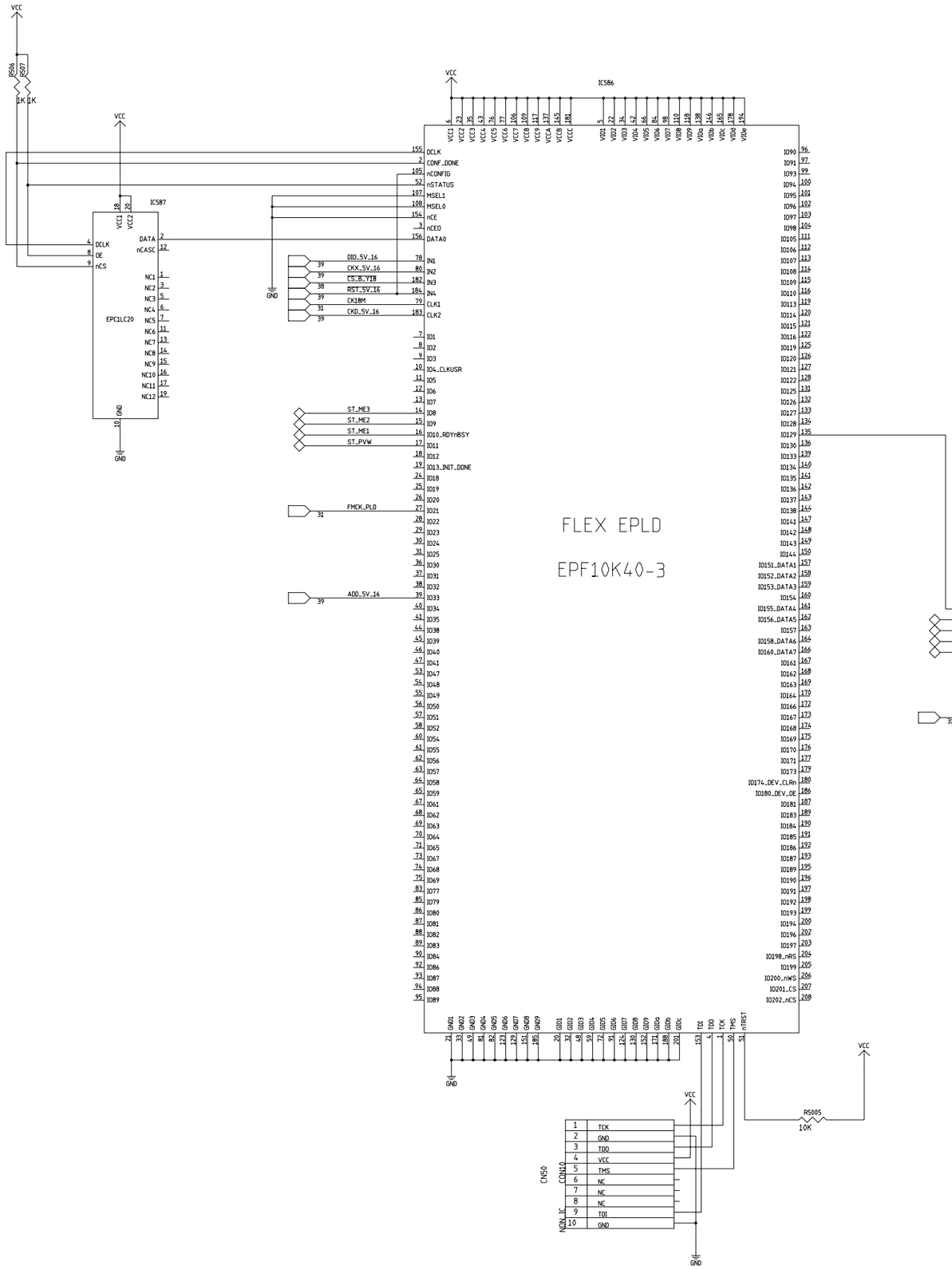
Output Board
OUT-7 (28/43)
BOARD NO. 1-668-547-12

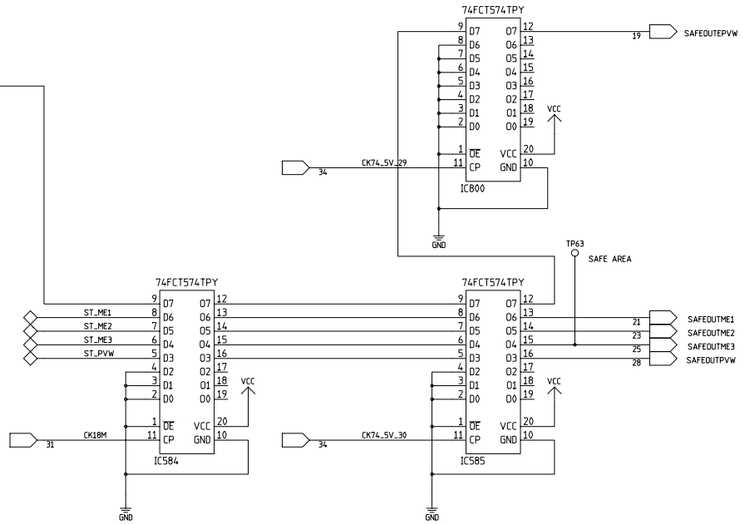
HDS-7000

HDS-7000

456

OUT-7 (29/43)



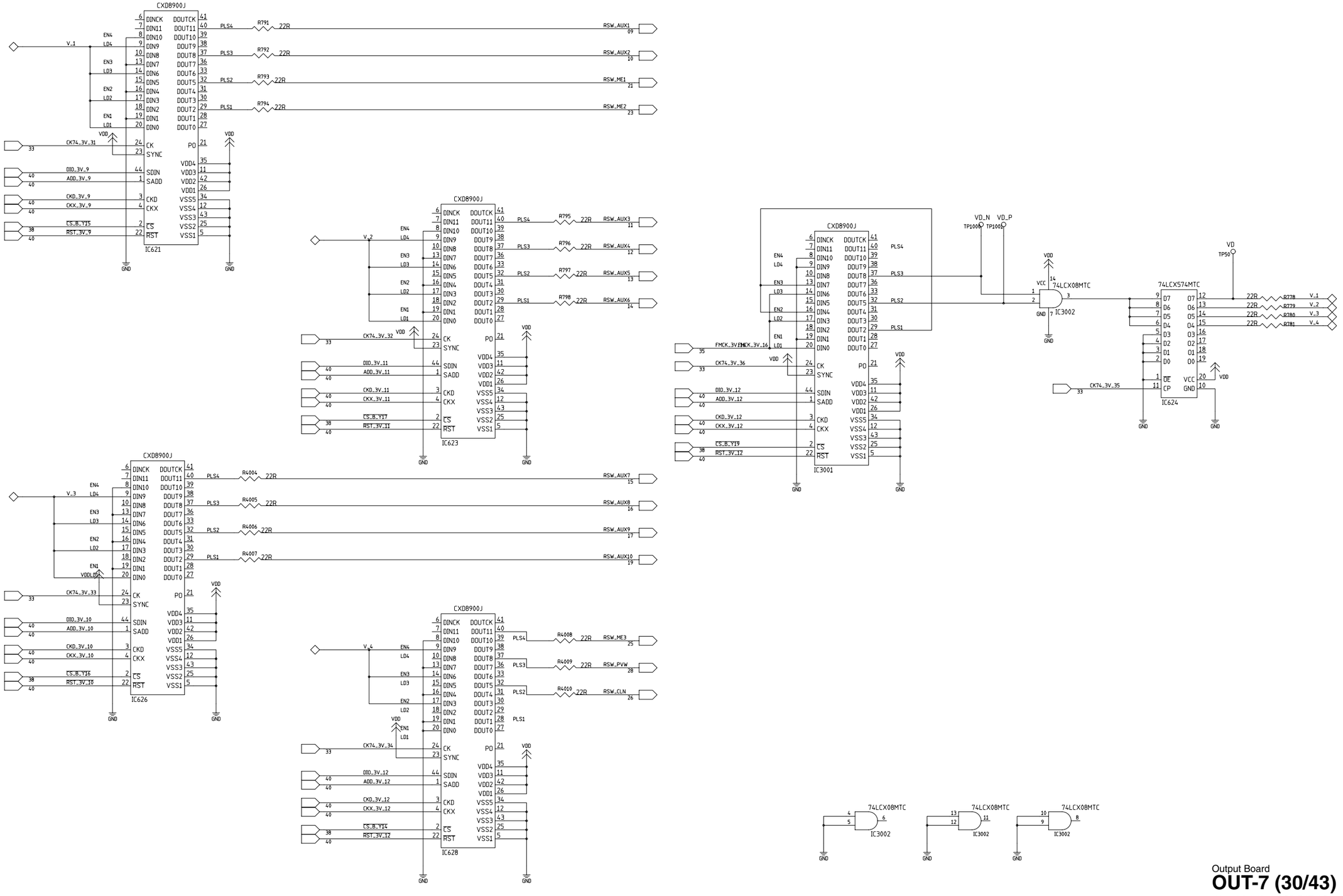


Output Board
OUT-7 (29/43)
BOARD NO. 1-668-547-12

HDS-7000

457
HDS-7000

OUT-7 (30/43)



RSW = 1 PULSE EVERY LINE OF 2200 SAMPLES (1 SAMPLE = 1 CLK)

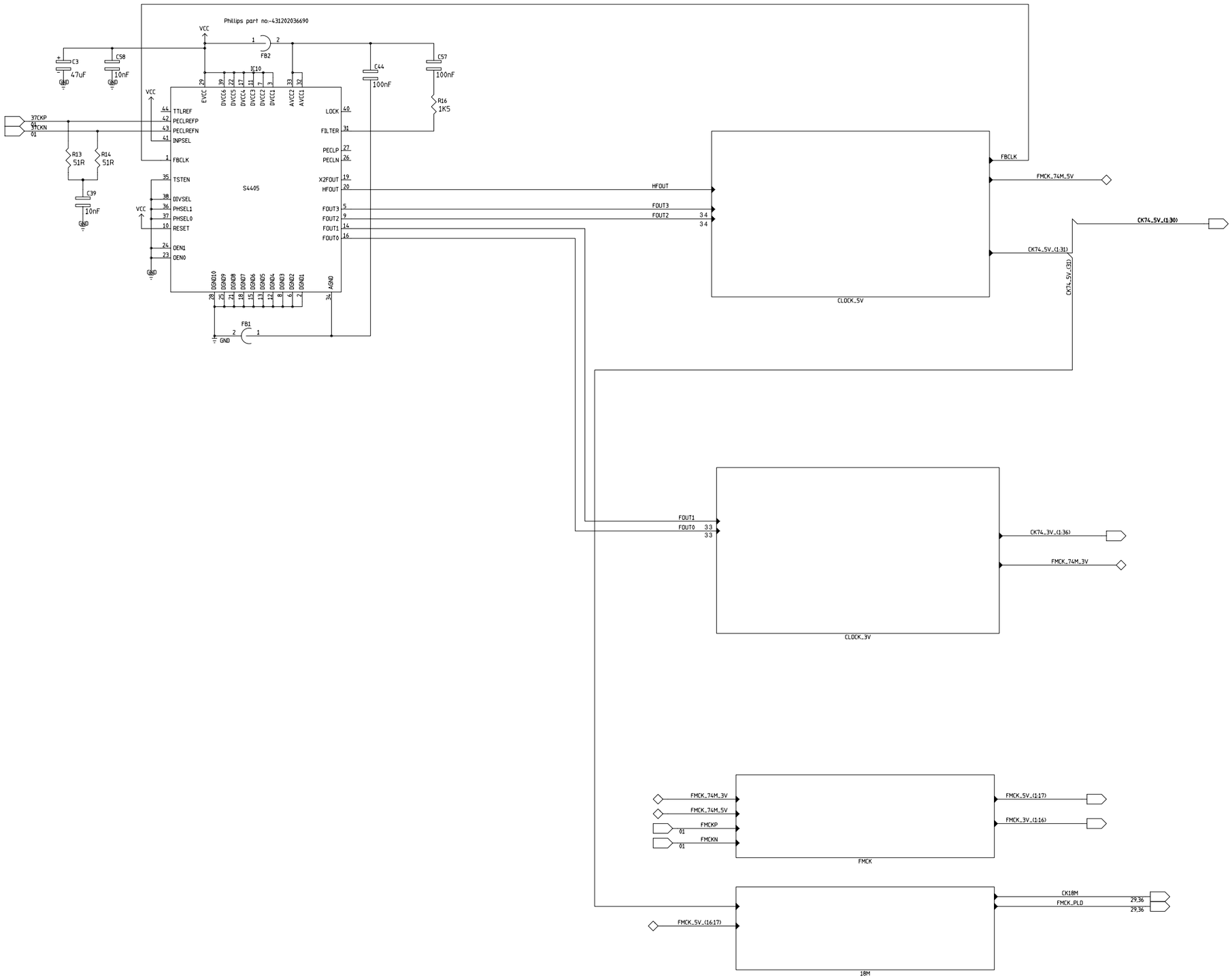
458

458

Output Board
OUT-7 (30/43)
BOARD NO. 1-668-547-12

HDS-7000

HDS-7000

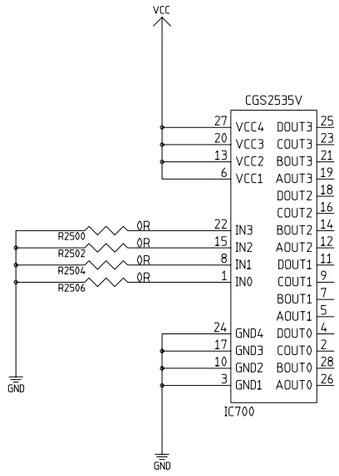


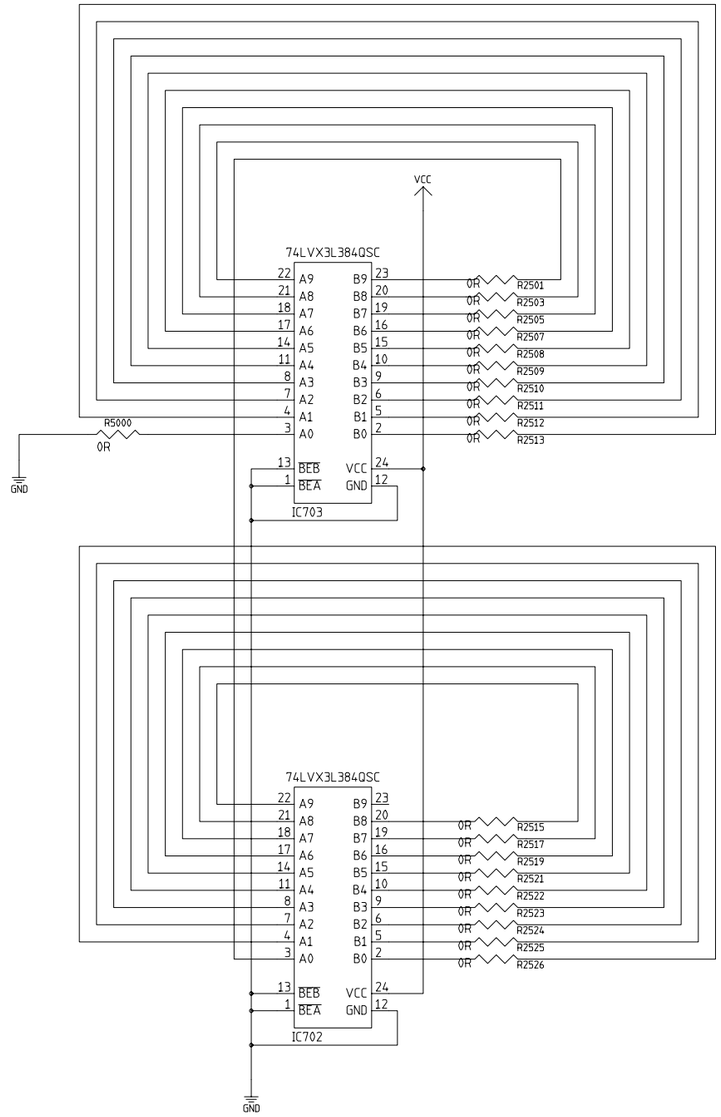
Output Board
OUT-7 (31/43)
BOARD NO. 1-668-547-12

HDS-7000

HDS-7000

OUT-7 (32/43)





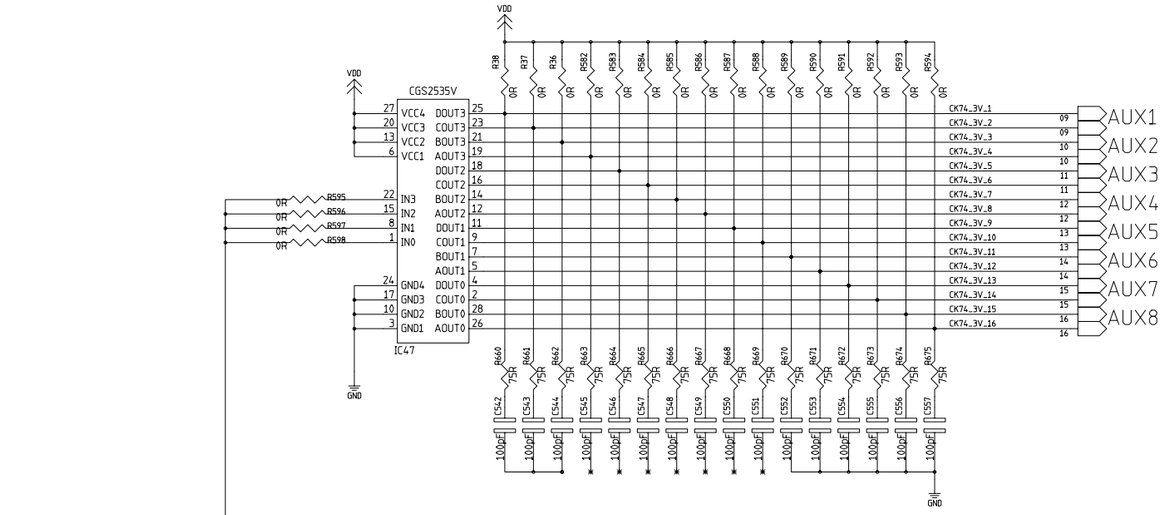
THIS CIRCUIT CAN BE USED TO DELAY THE CXD 8900 CLOCKS IF NECESSARAY.

Output Board
OUT-7 (32/43)
BOARD NO. 1-668-547-12

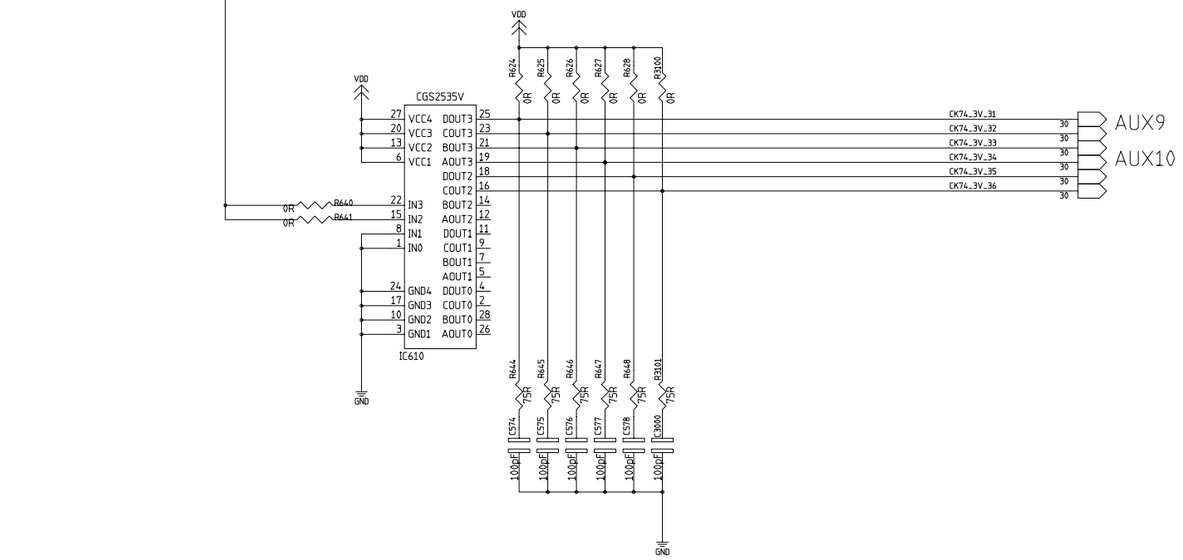
HDS-7000

460

HDS-7000







Output Board
OUT-7 (33/43)
BOARD NO. 1-668-547-12

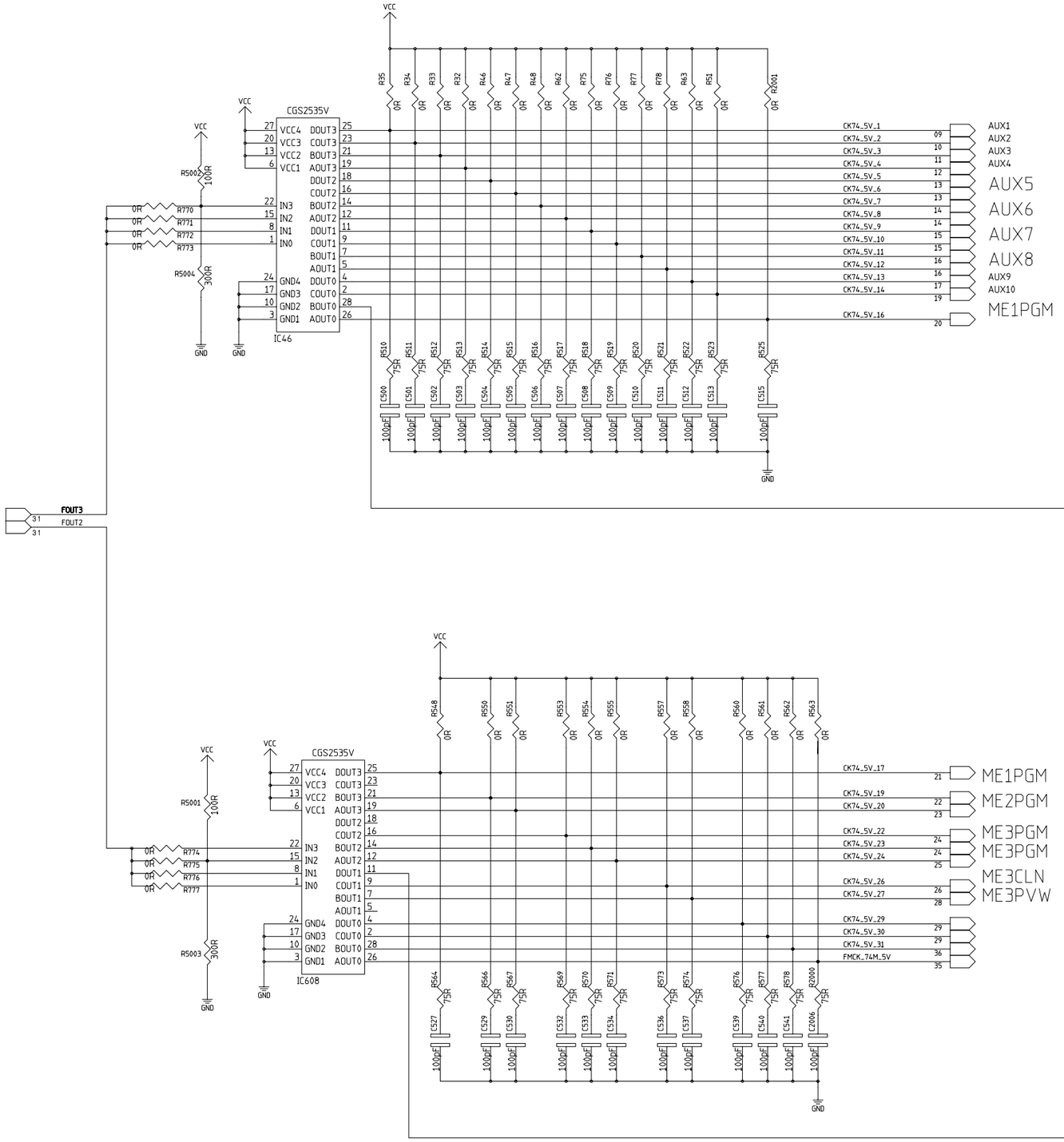
HDS-7000

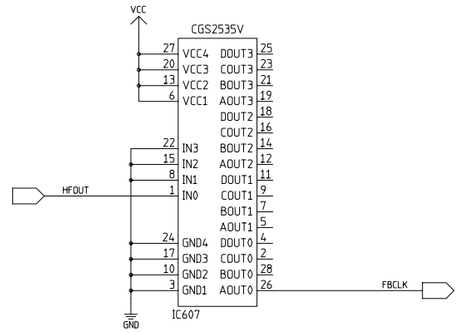
461

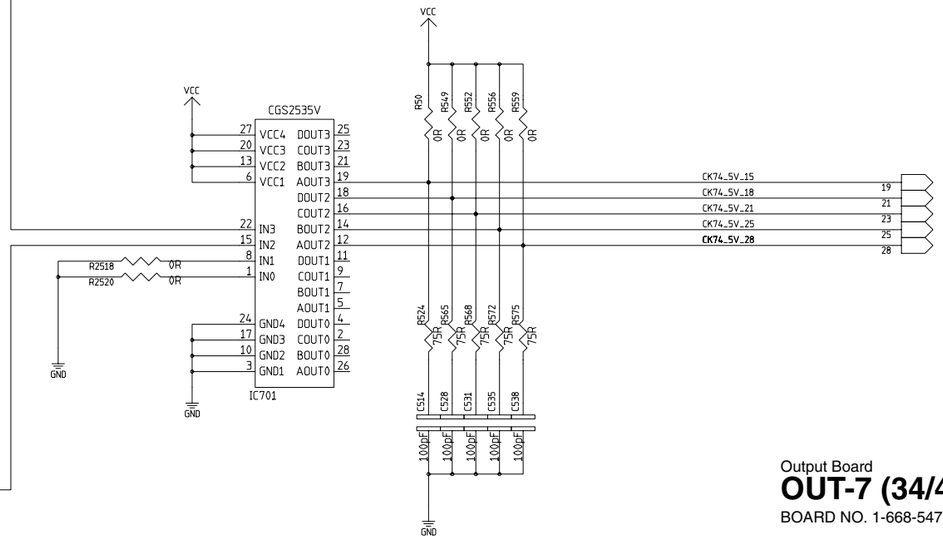
HDS-7000

A B C D E F G H

OUT-7 (34/43)



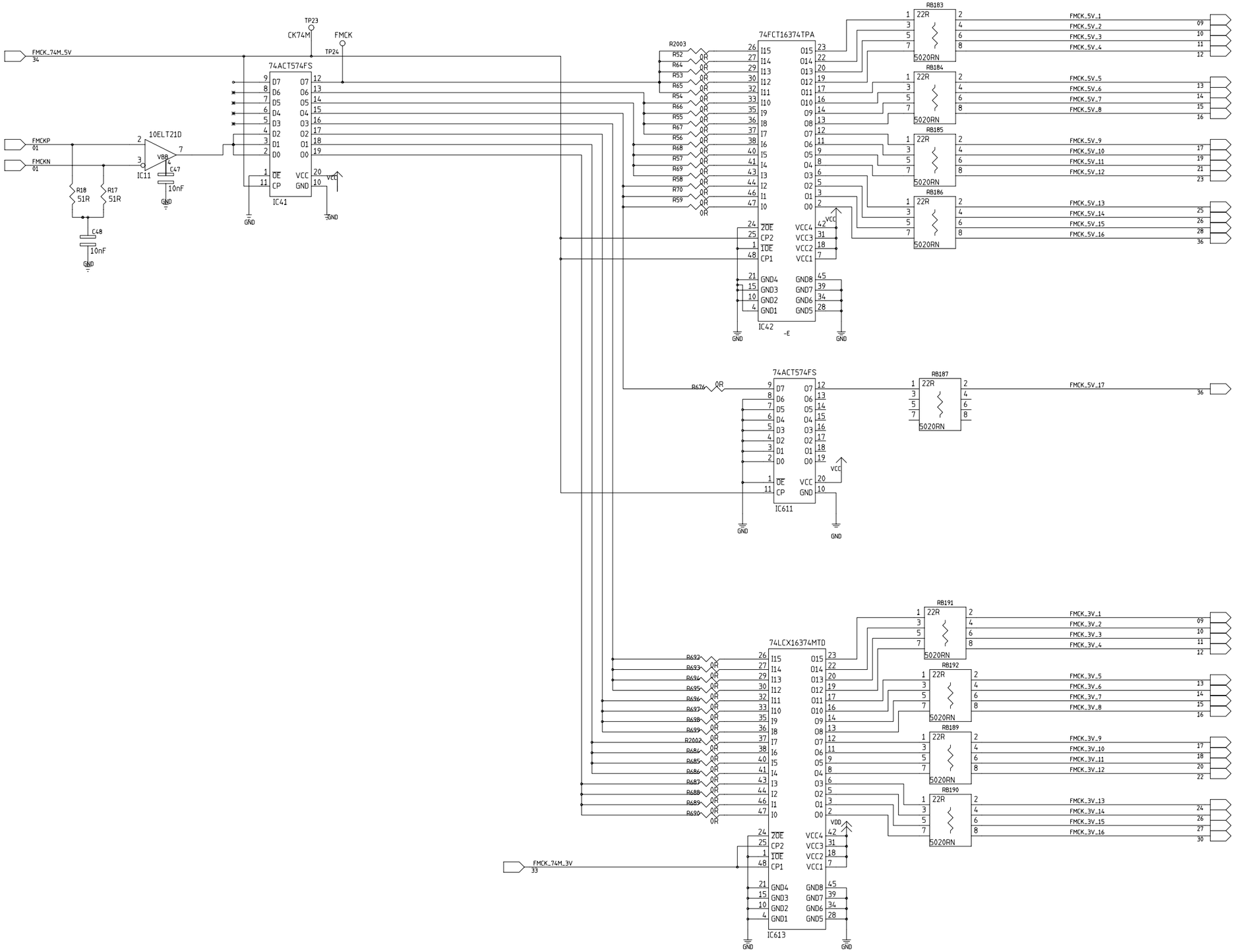




Output Board
OUT-7 (34/43)
BOARD NO. 1-668-547-12

HDS-7000

462
HDS-7000

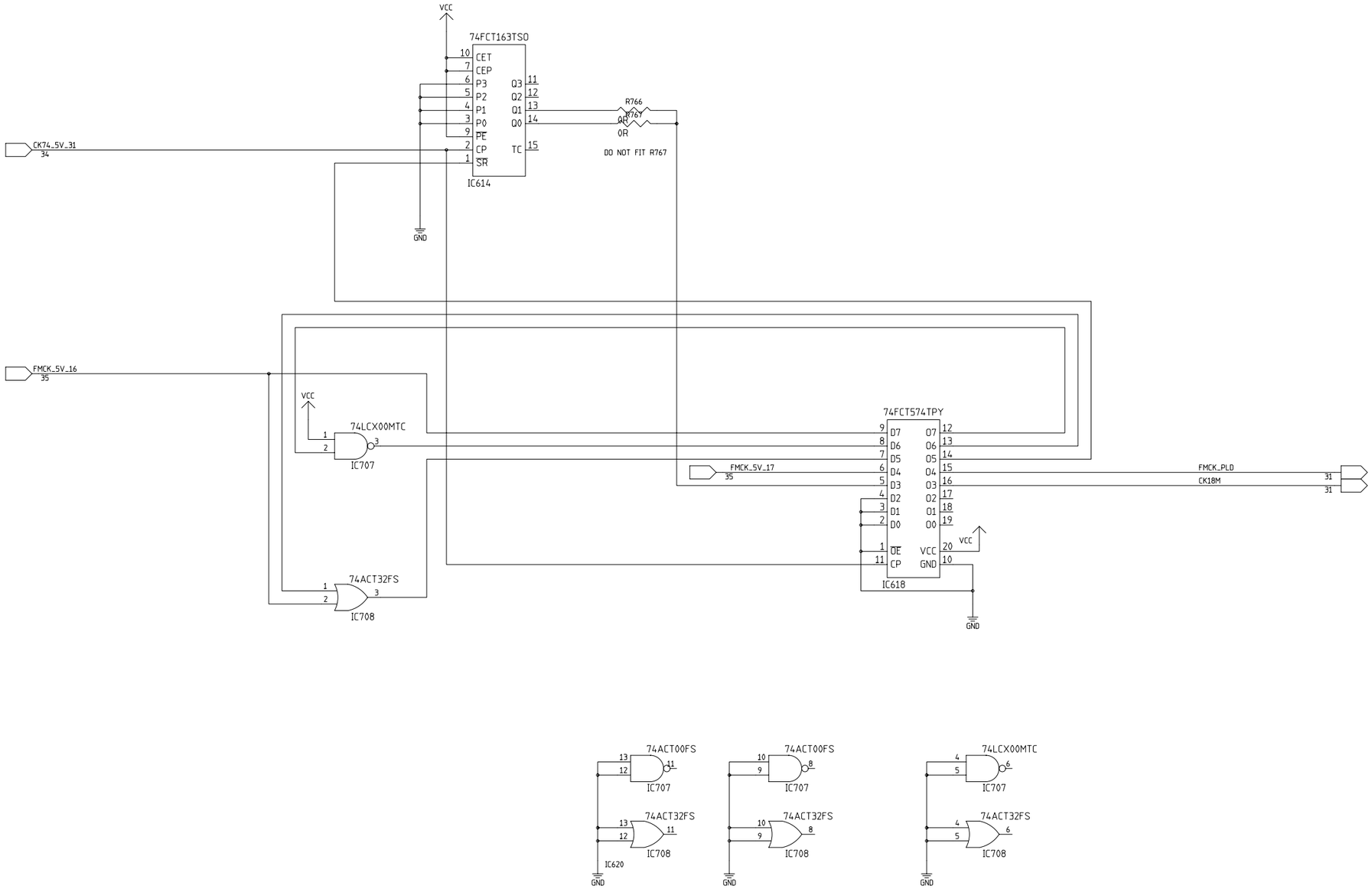


Output Board
OUT-7 (35/43)
BOARD NO. 1-668-547-12

HDS-7000

HDS-7000

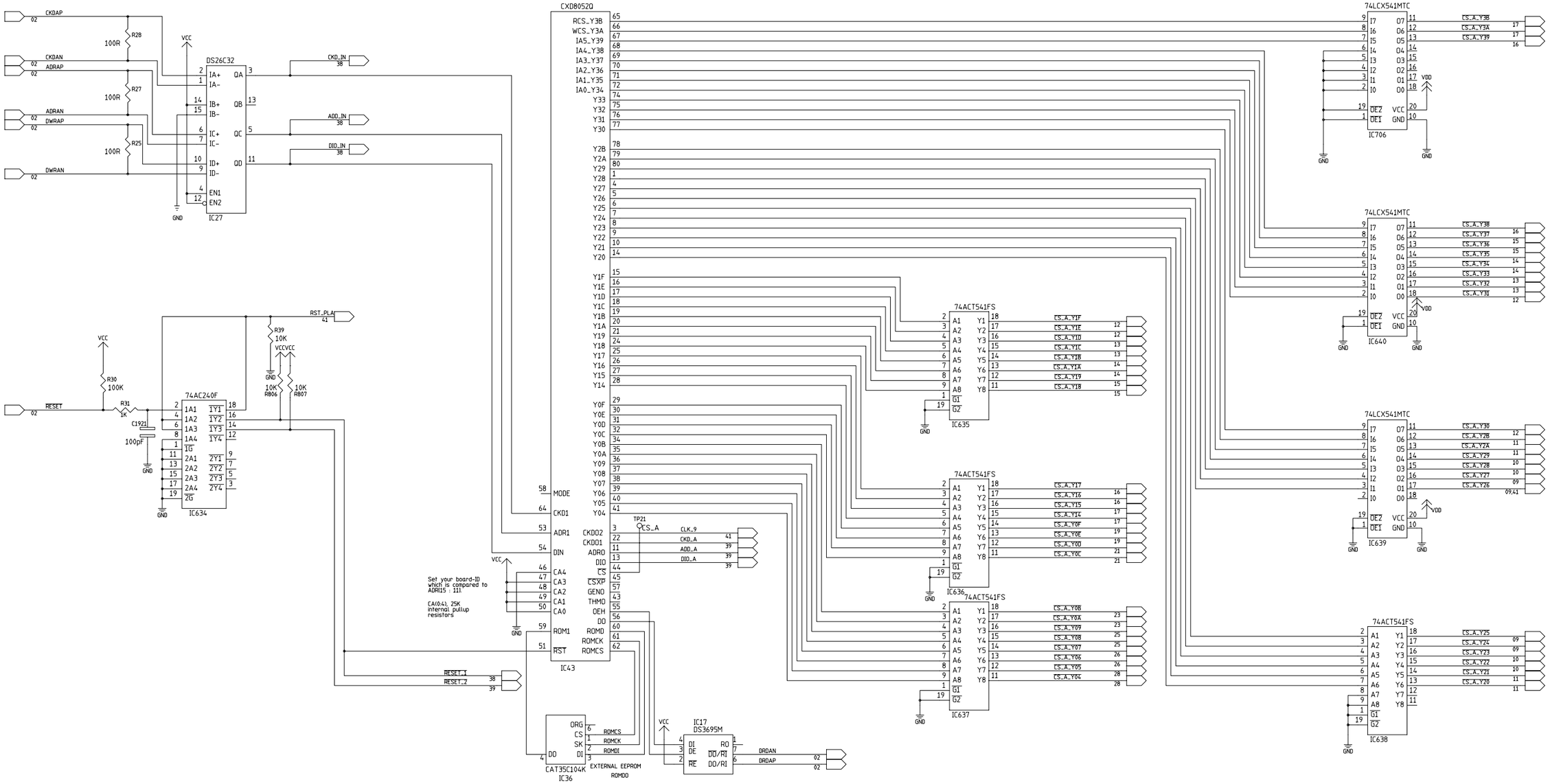
OUT-7 (36/43)



Output Board
OUT-7 (36/43)
BOARD NO. 1-668-547-12

HDS-7000

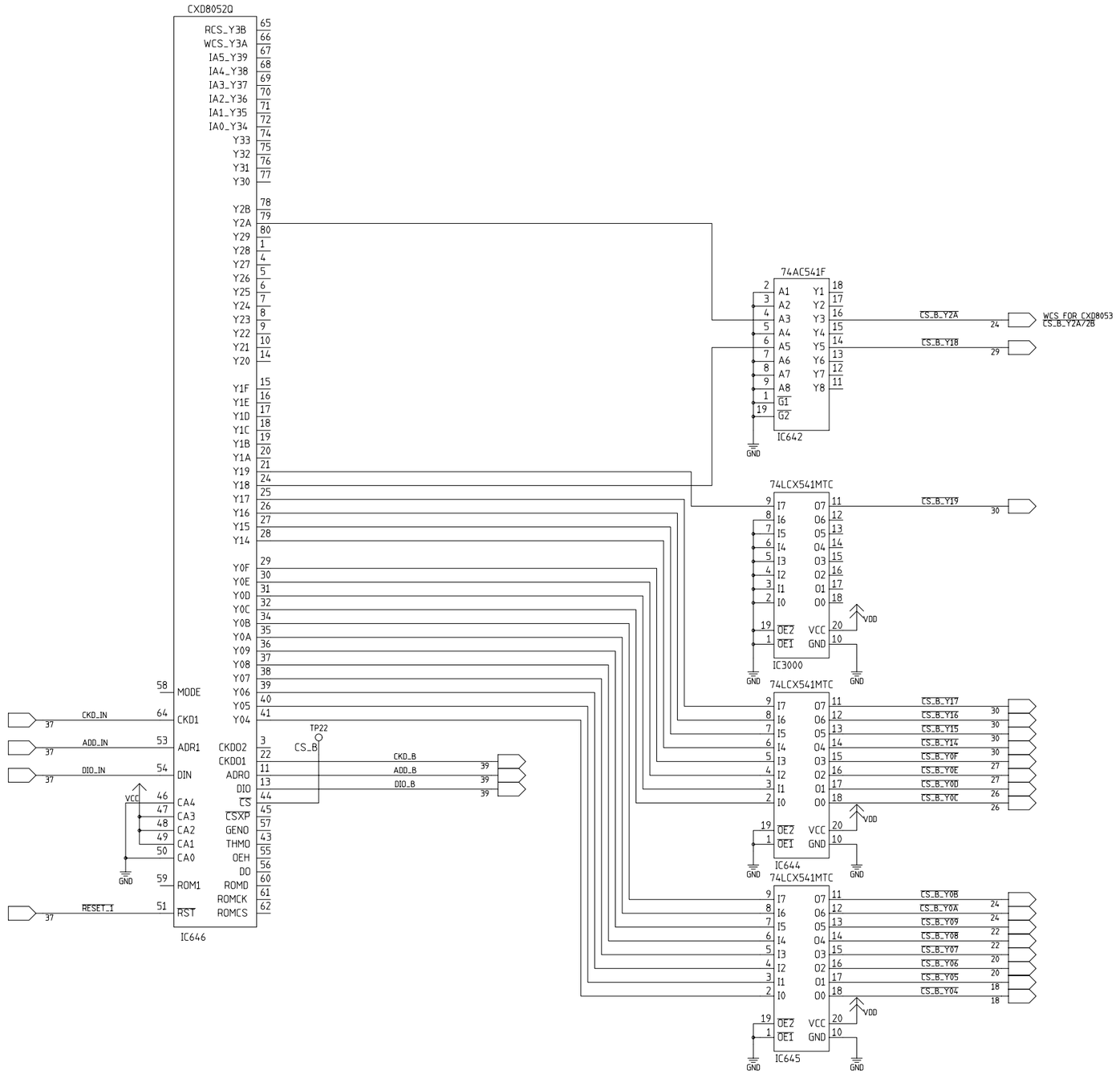
464
HDS-7000



Output Board
OUT-7 (37/43)
BOARD NO. 1-668-547-12

HDS-7000

OUT-7 (38/43)



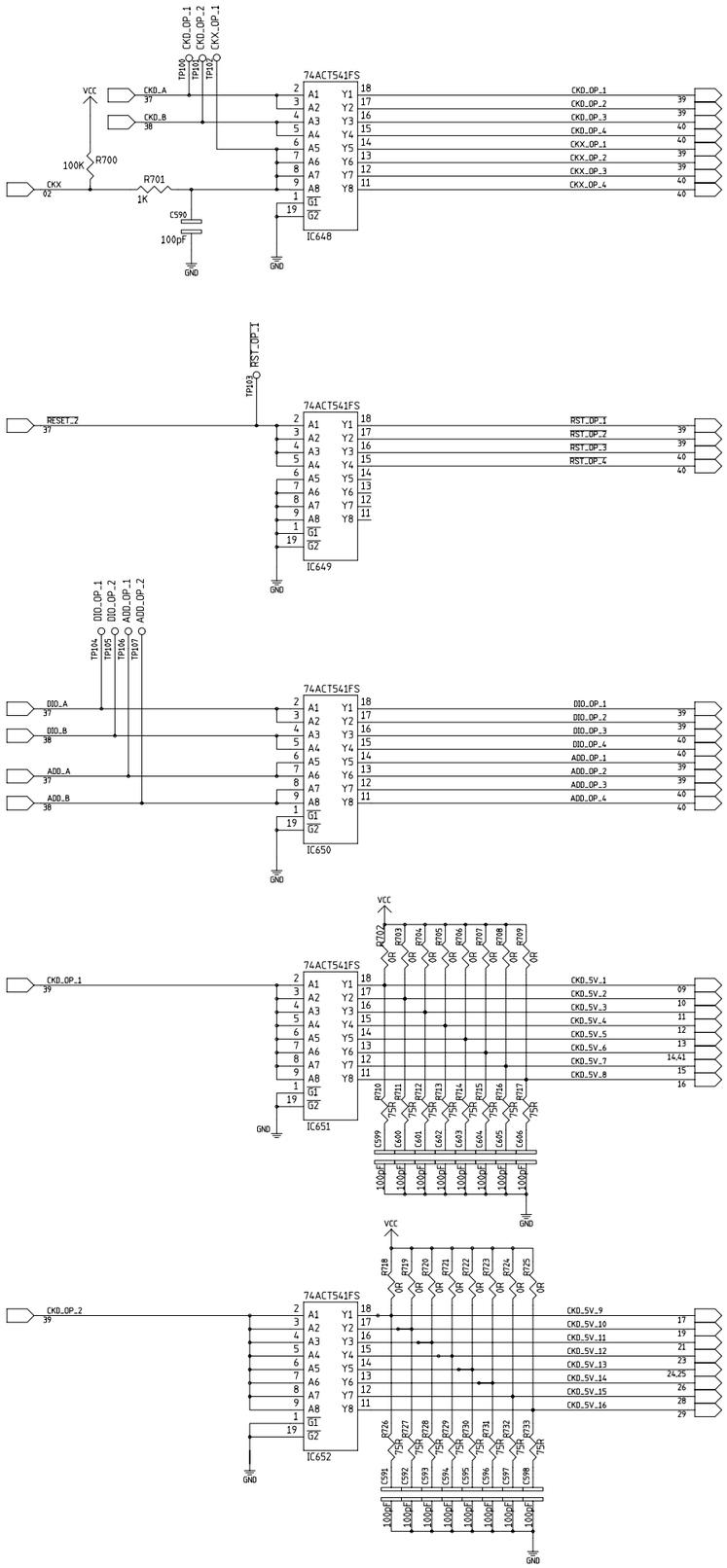
Output Board
OUT-7 (38/43)
BOARD NO. 1-668-547-12

HDS-7000

466

HDS-7000

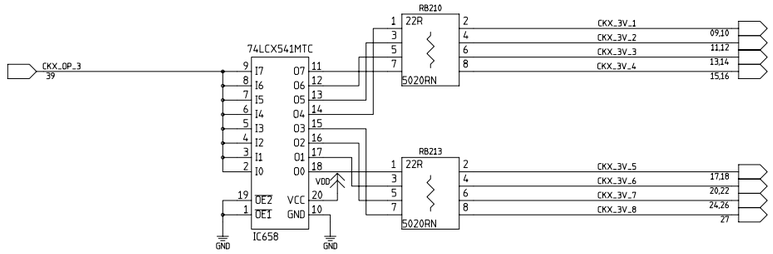
OUT-7 (39/43)

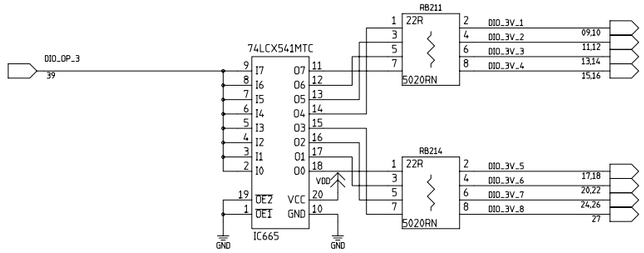


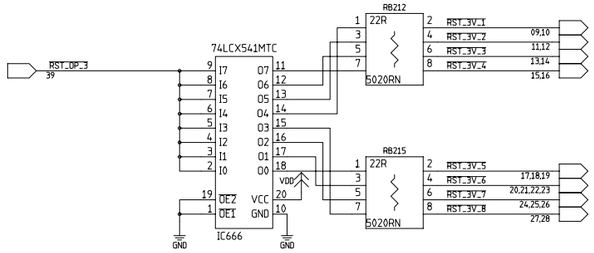
Output Board
OUT-7 (39/43)
BOARD NO. 1-668-547-12

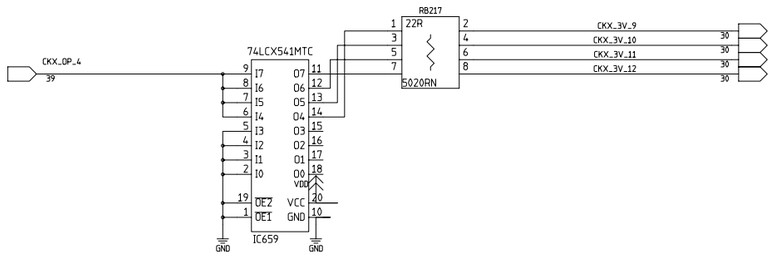
HDS-7000

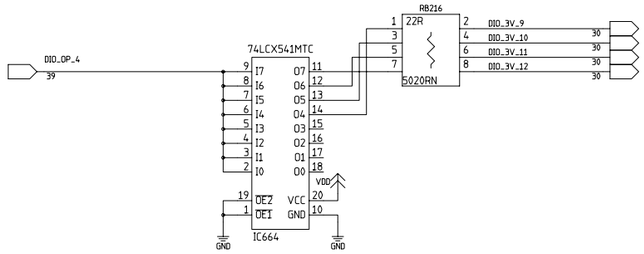
OUT-7 (40/43)

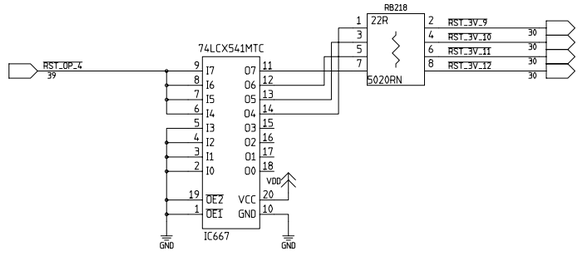


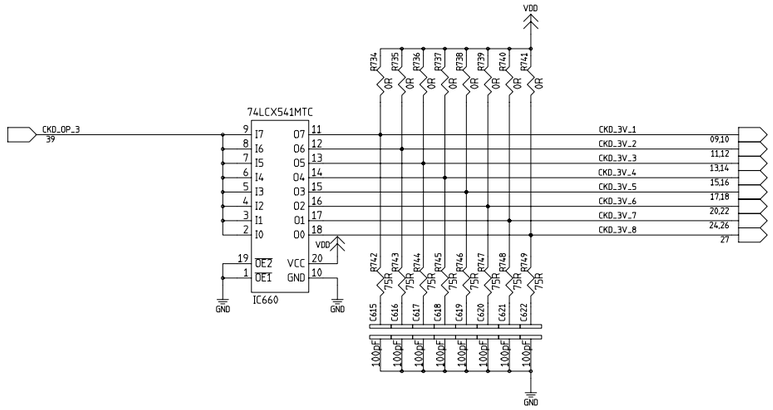


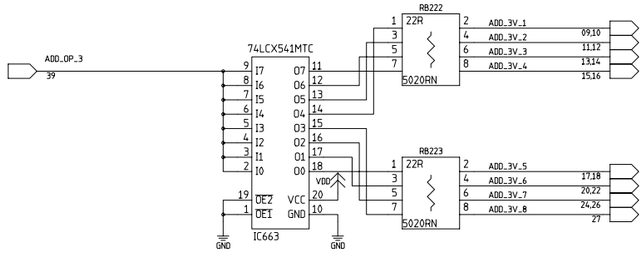


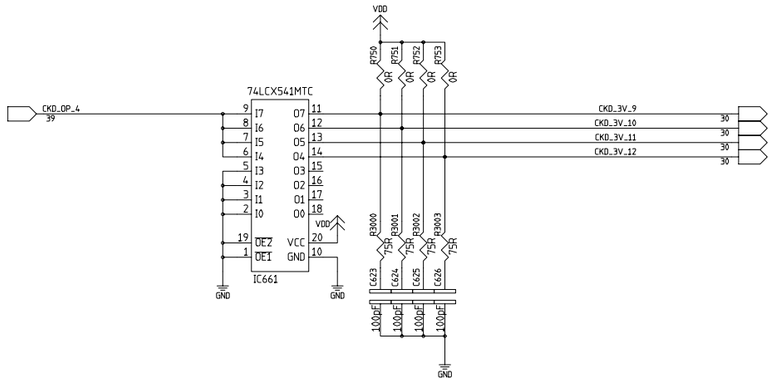


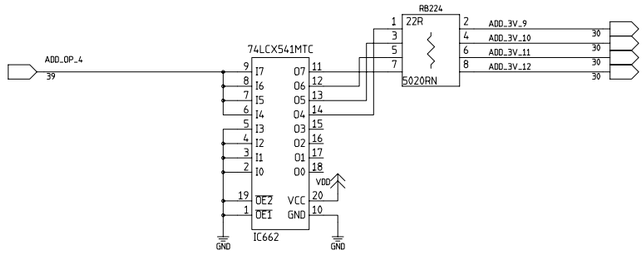










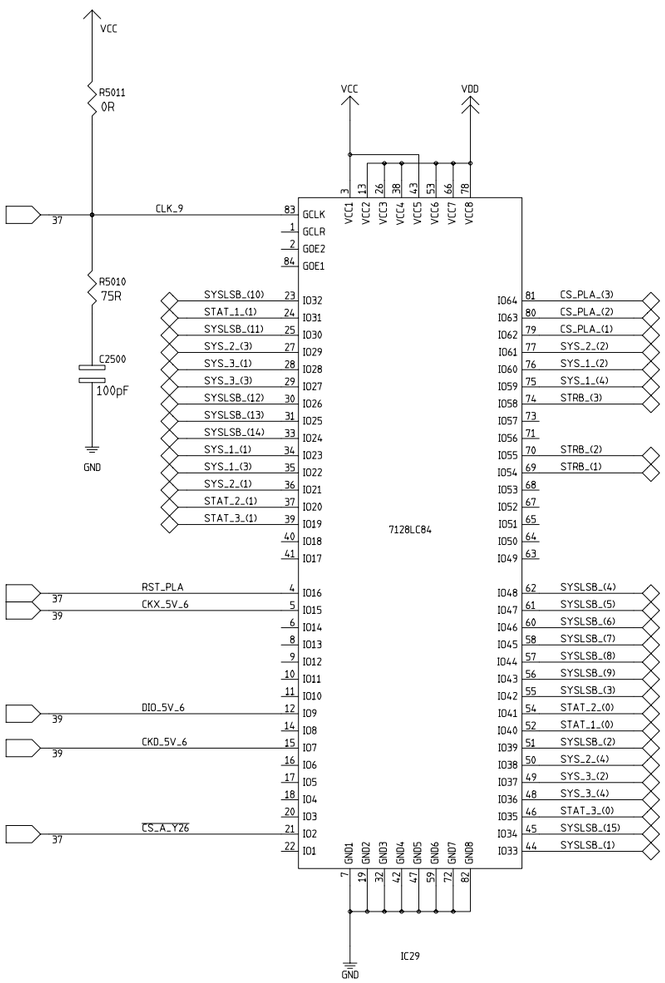


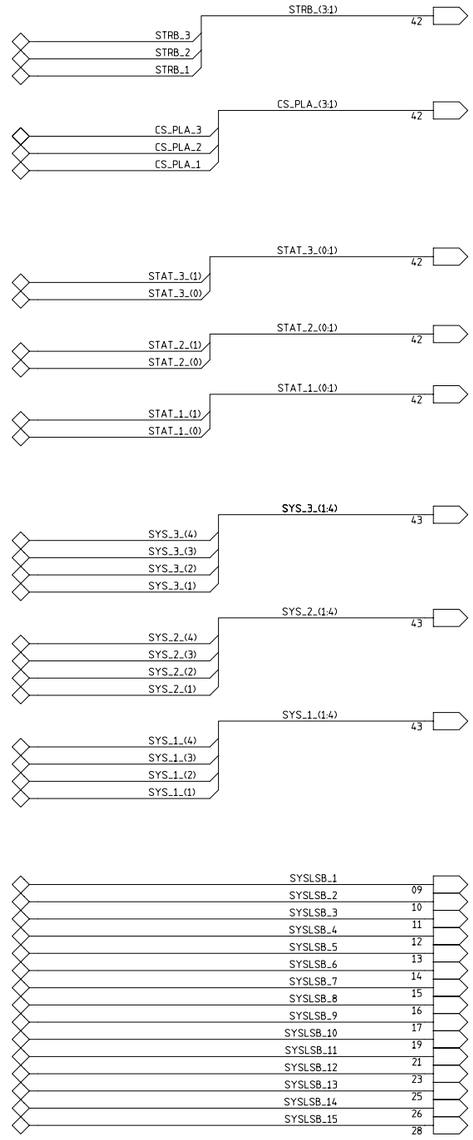
Output Board
OUT-7 (40/43)
BOARD NO. 1-668-547-12

HDS-7000

468
HDS-7000

OUT-7 (41/43)



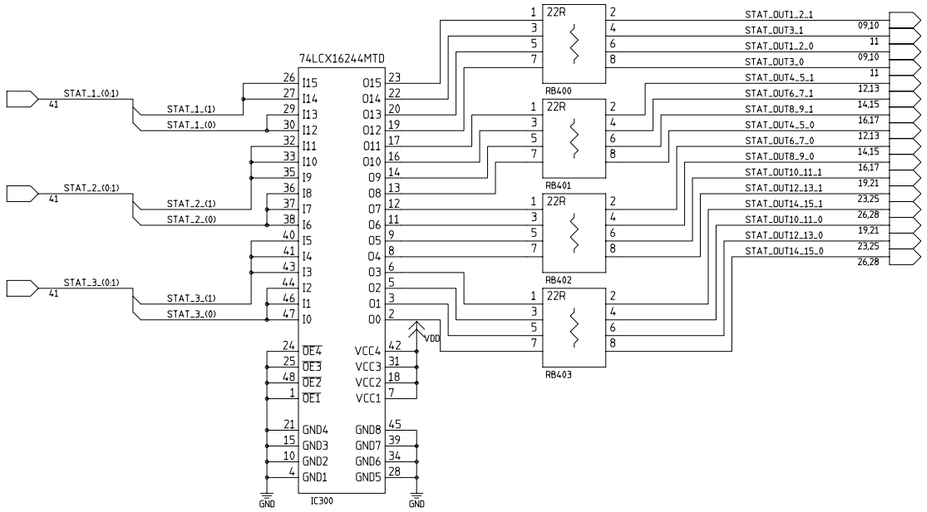


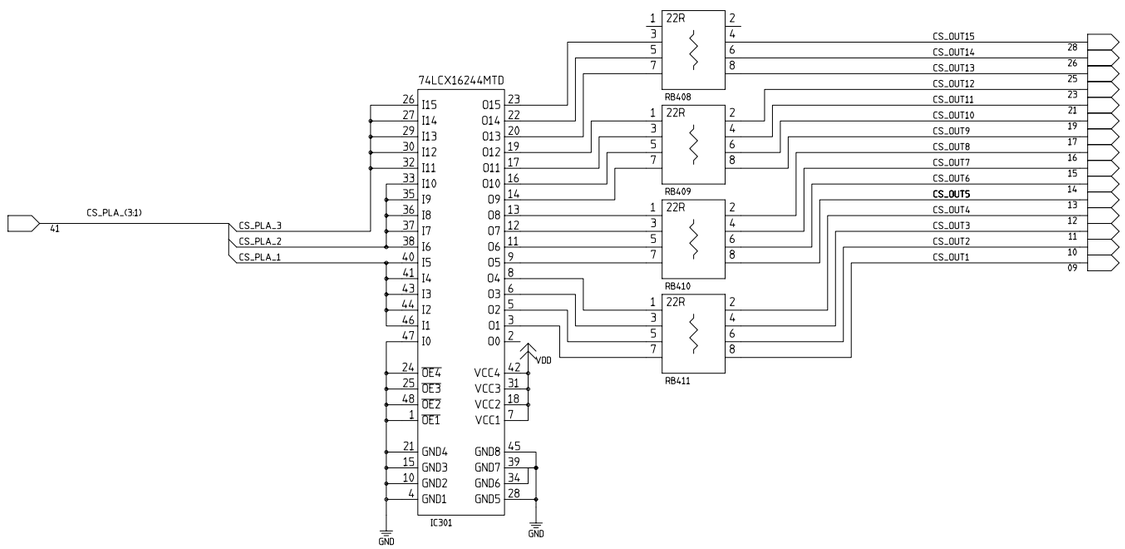
Output Board
OUT-7 (41/43)
BOARD NO. 1-668-547-12

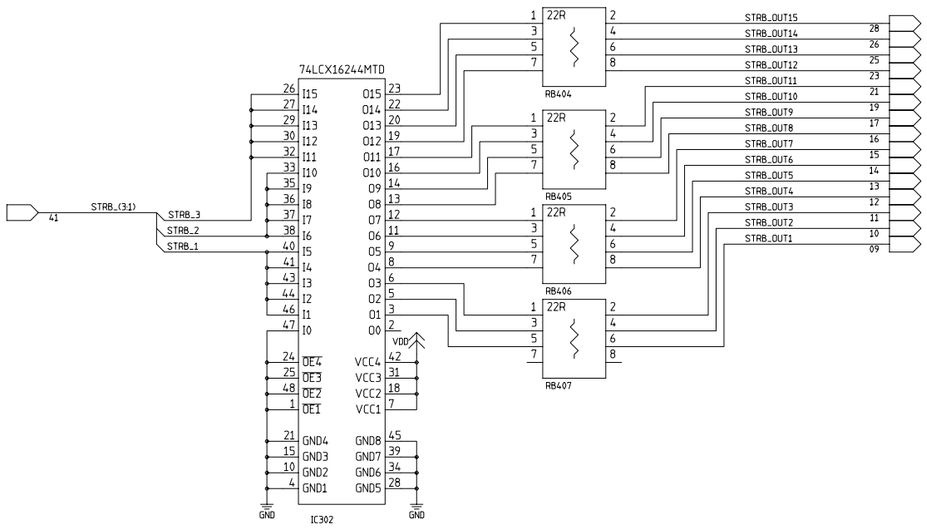
HDS-7000

469
HDS-7000

OUT-7 (42/43)





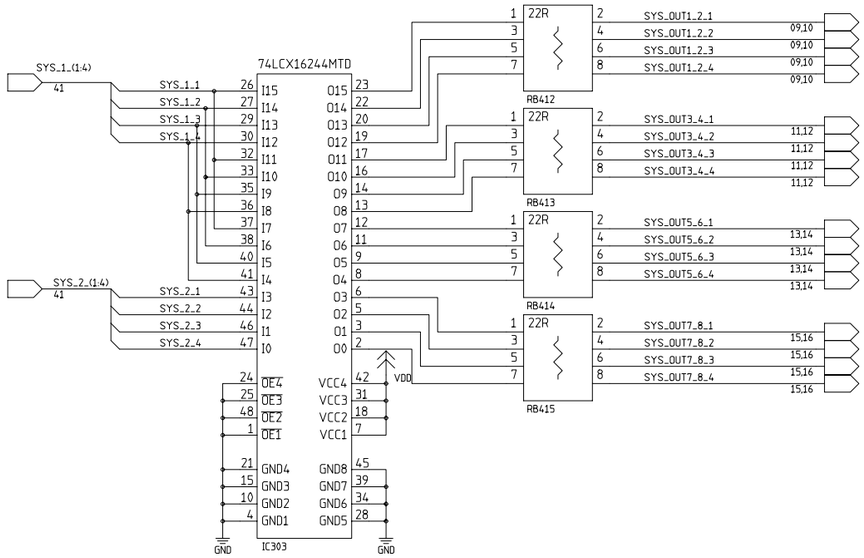


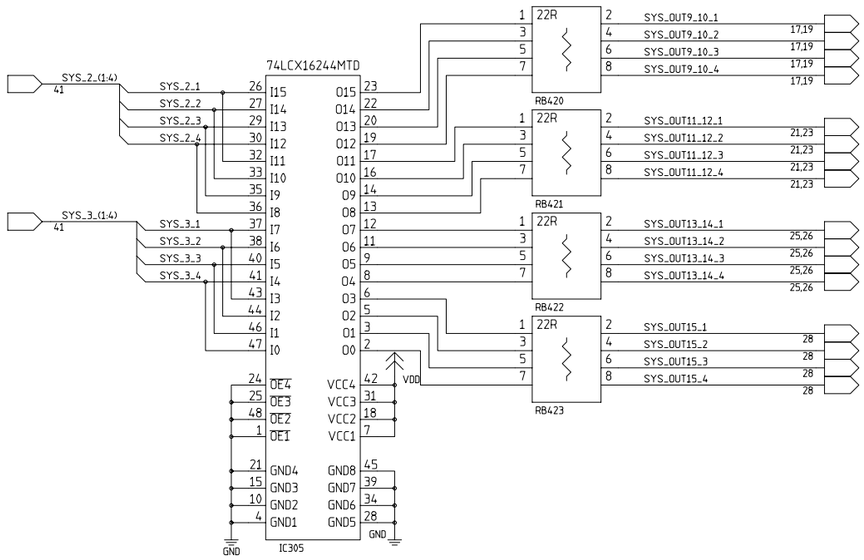
Output Board
OUT-7 (42/43)
BOARD NO. 1-668-547-12

HDS-7000

470
HDS-7000

OUT-7 (43/43)





Output Board

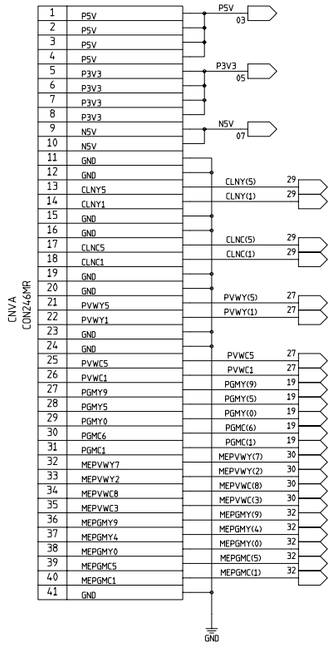
OUT-7 (43/43)

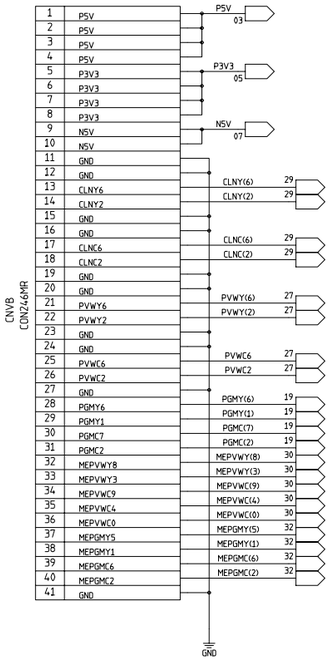
BOARD NO. 1-668-547-12

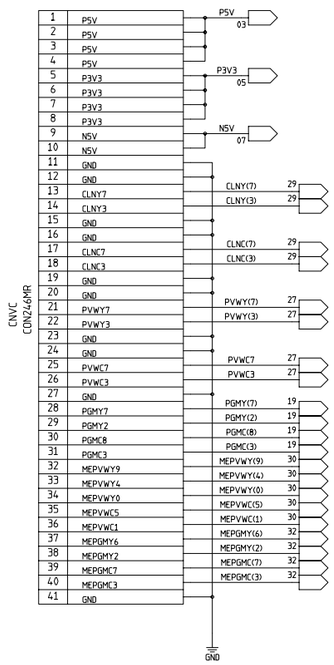
HDS-7000

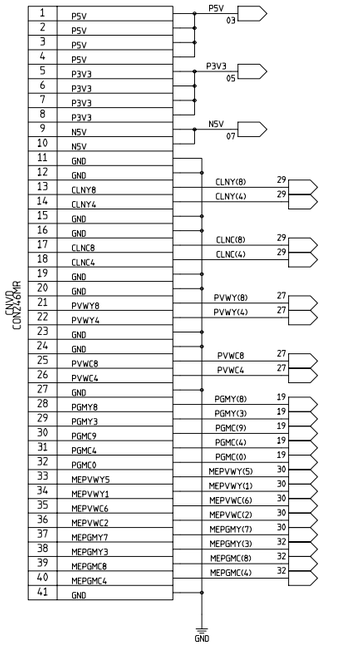
471

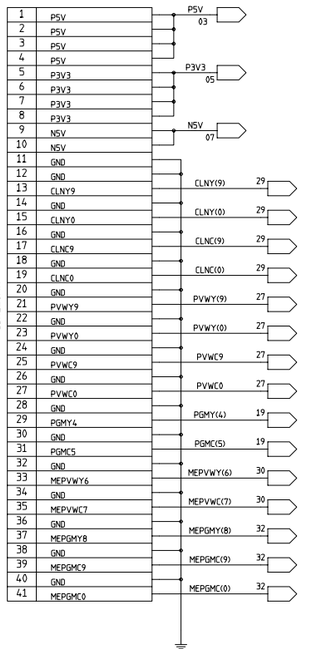
OUT-20 (1/44)

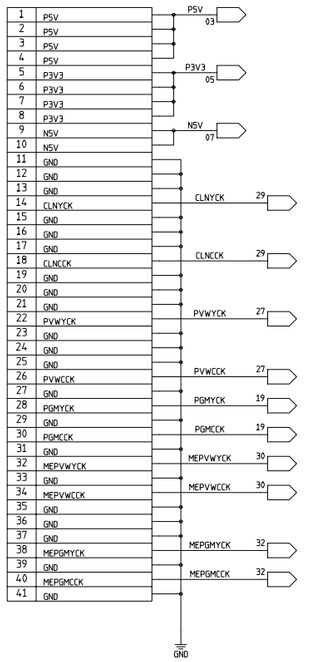


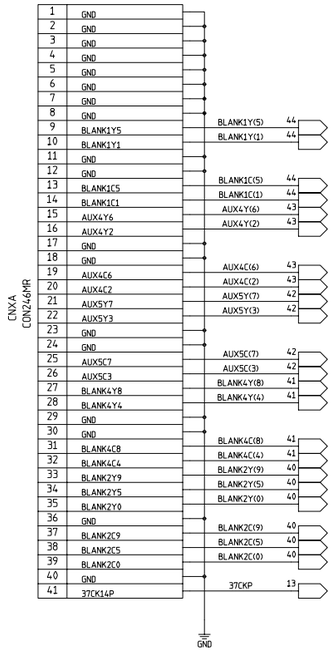


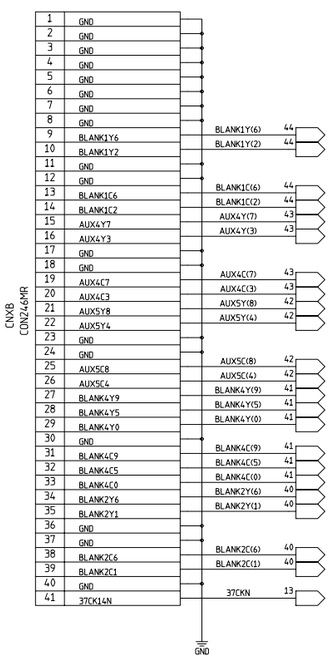


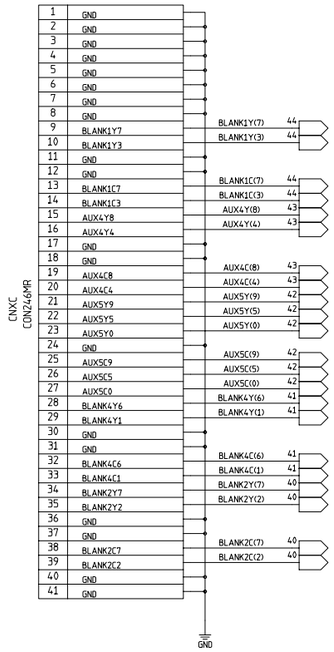


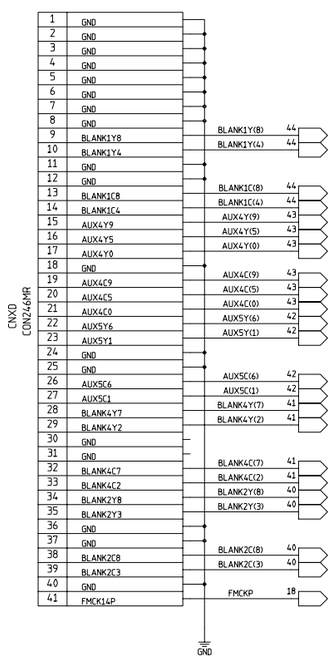


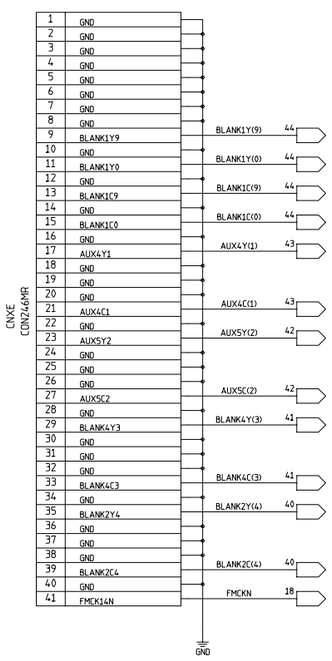


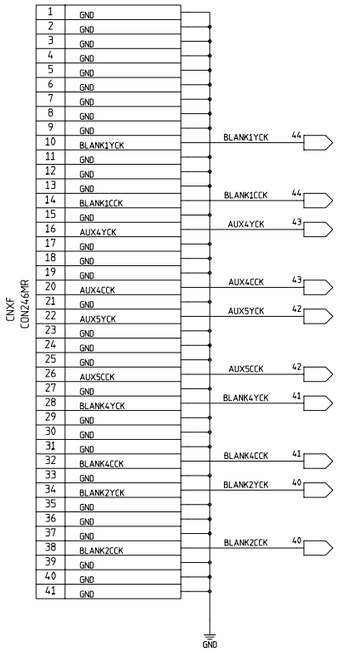












HD SDI Output Board

OUT-20 (1/44)

BOARD NO. 1-674-231-13

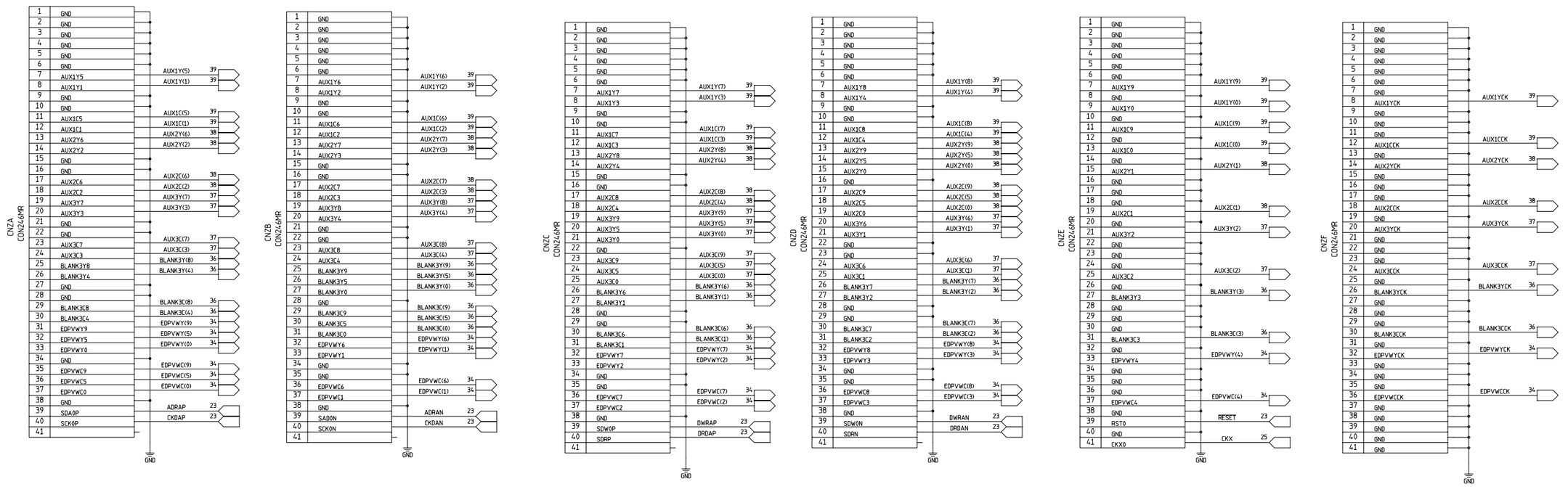
HDS-7000

HDS-7000

472

OUT-20 (2/44)

OUT-20 (2/44)



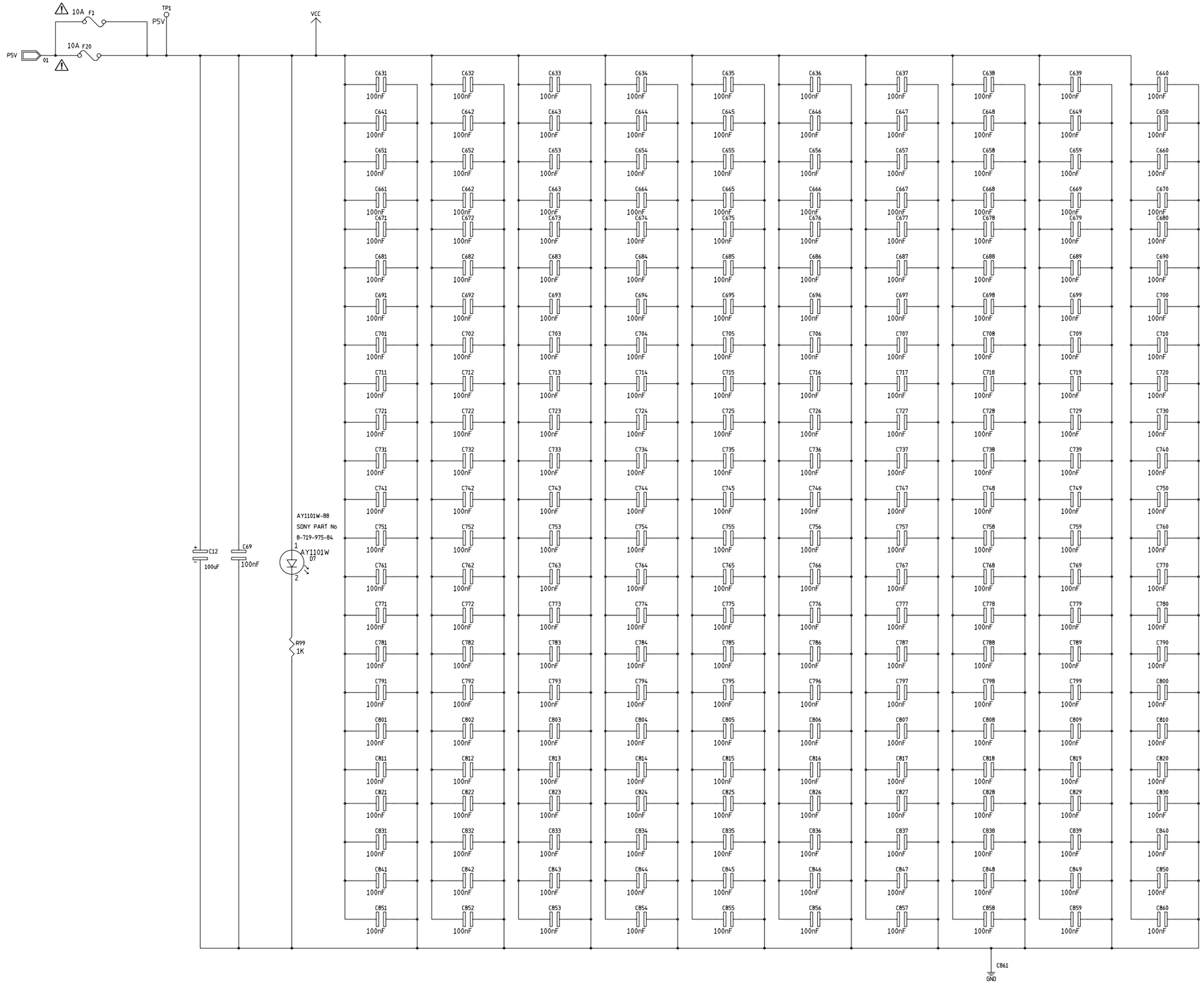
HD SDI Output Board

OUT-20 (2/44)

BOARD NO. 1-674-231-13

HDS-7000

OUT-20 (3/44)





EARTH POINTS FOR TESTING

474 474

HD SDI Output Board

OUT-20 (3/44)

BOARD NO. 1-674-231-13

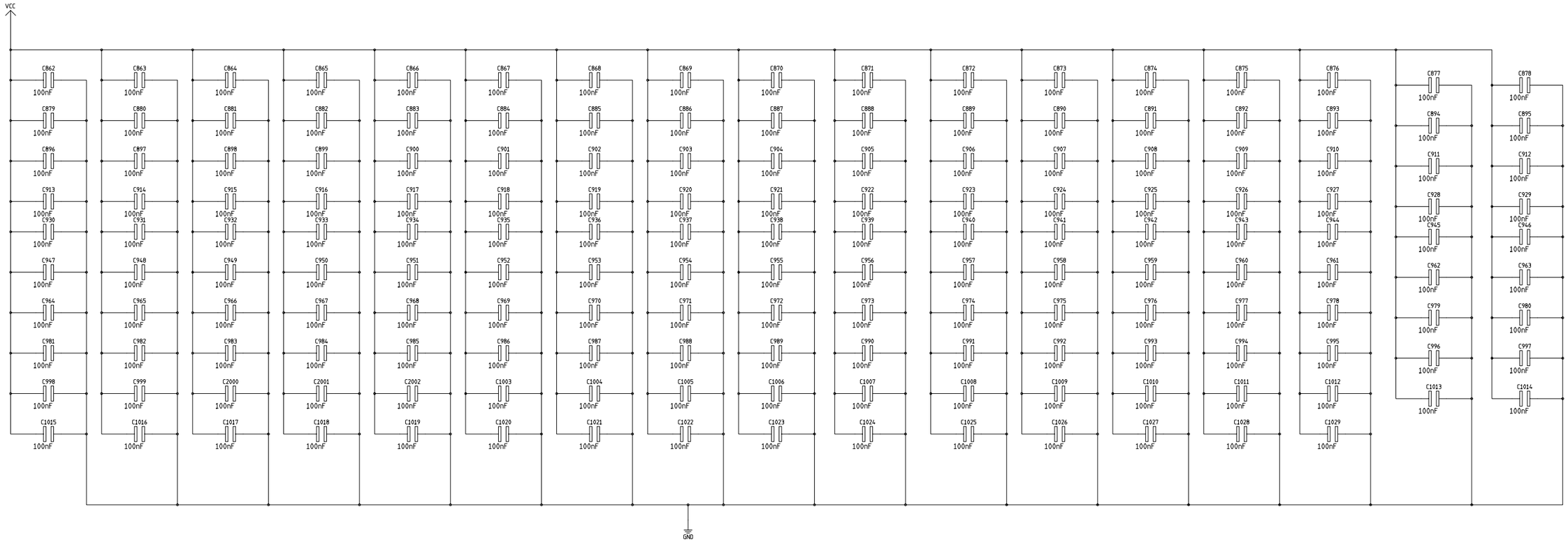
HDS-7000

HDS-7000

1 2 3 4 5

A B C D E F G H

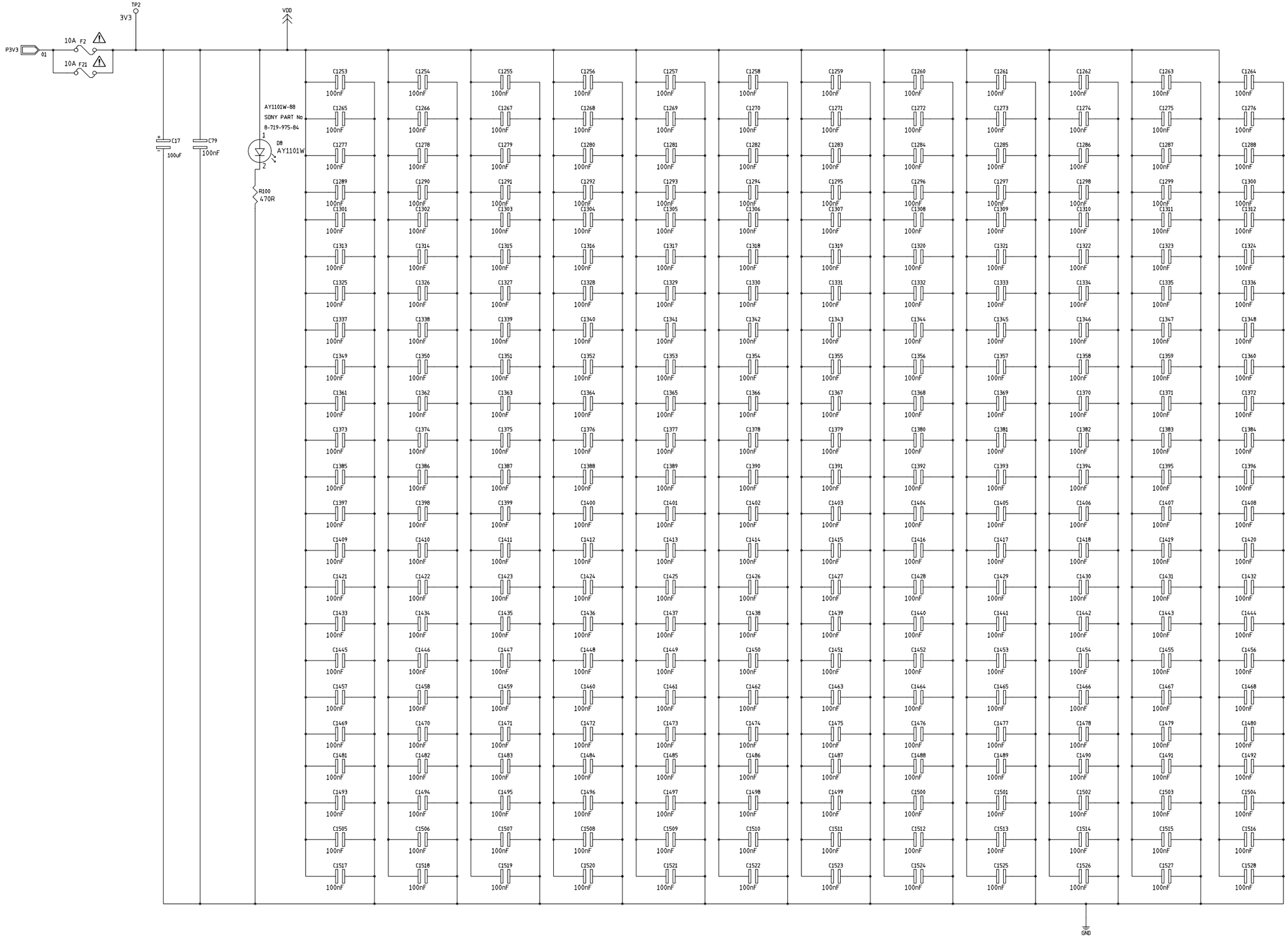
OUT-20 (4/44)



HD SDI Output Board
OUT-20 (4/44)
BOARD NO. 1-674-231-13

HDS-7000

OUT-20 (5/44)

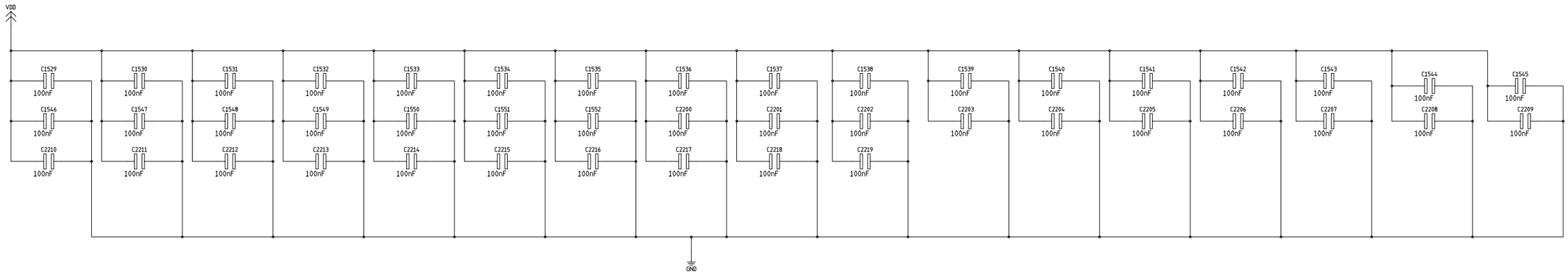


HD SDI Output Board
OUT-20 (5/44)
BOARD NO. 1-674-231-13

HDS-7000

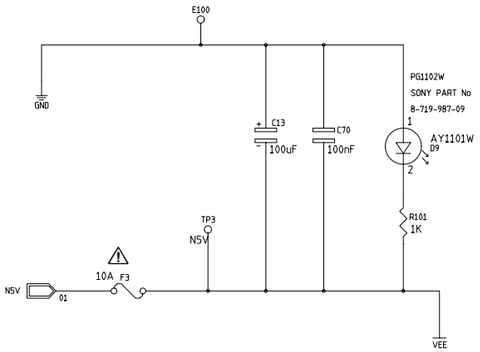
476
HDS-7000

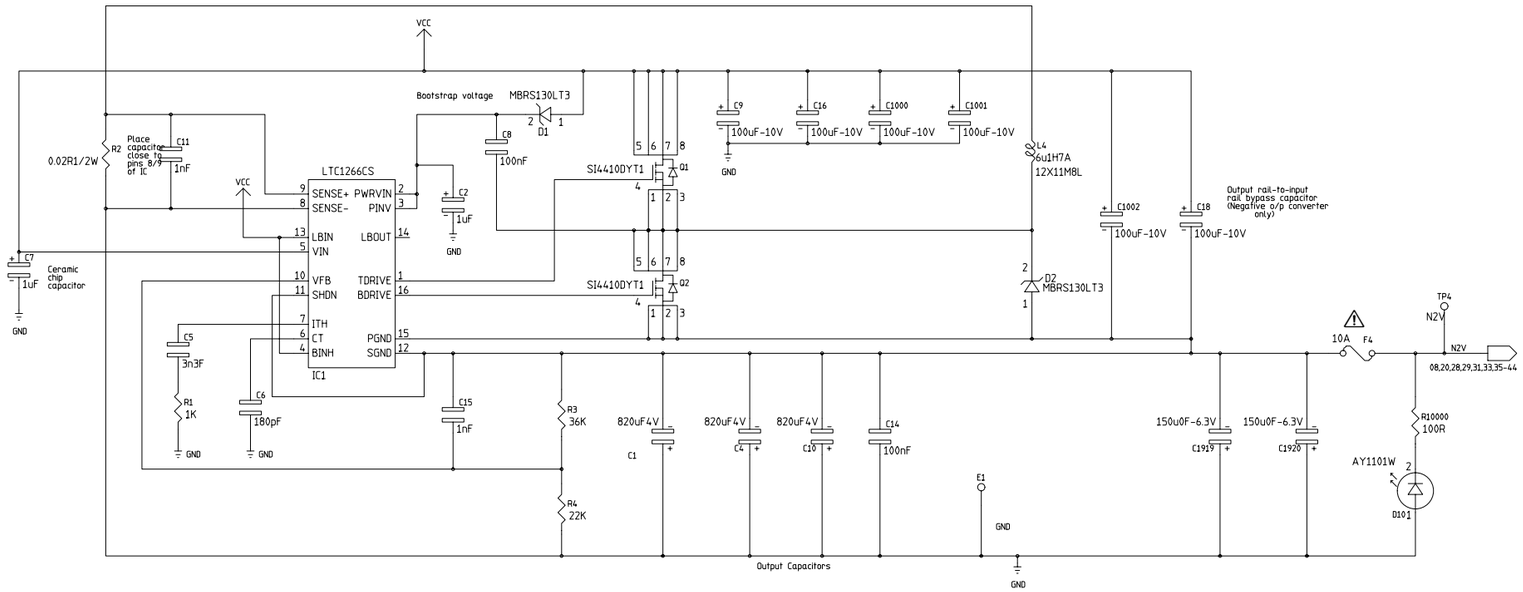
OUT-20 (6/44)

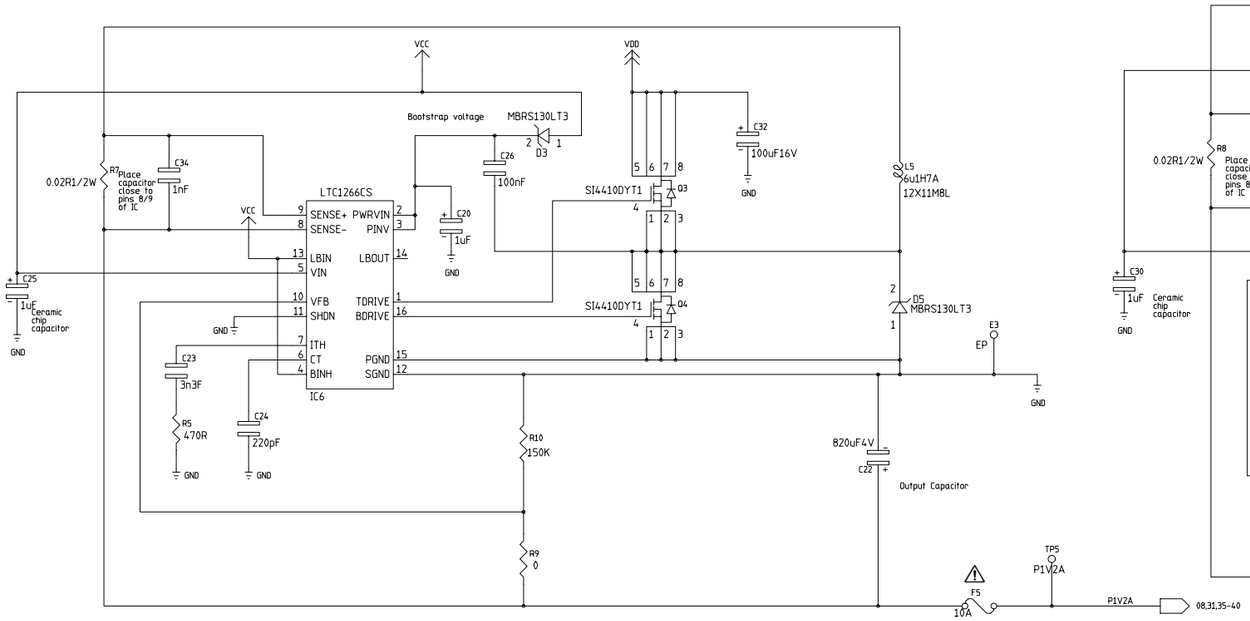


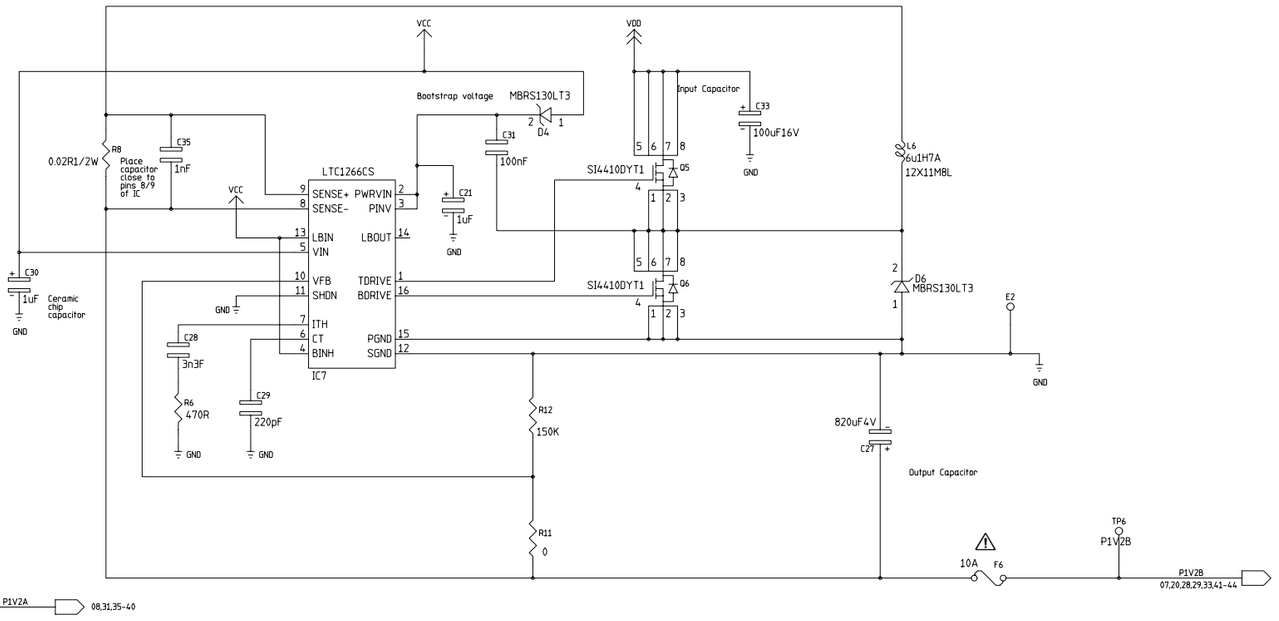
HD SDI Output Board
OUT-20 (6/44)
BOARD NO. 1-674-231-13

HDS-7000







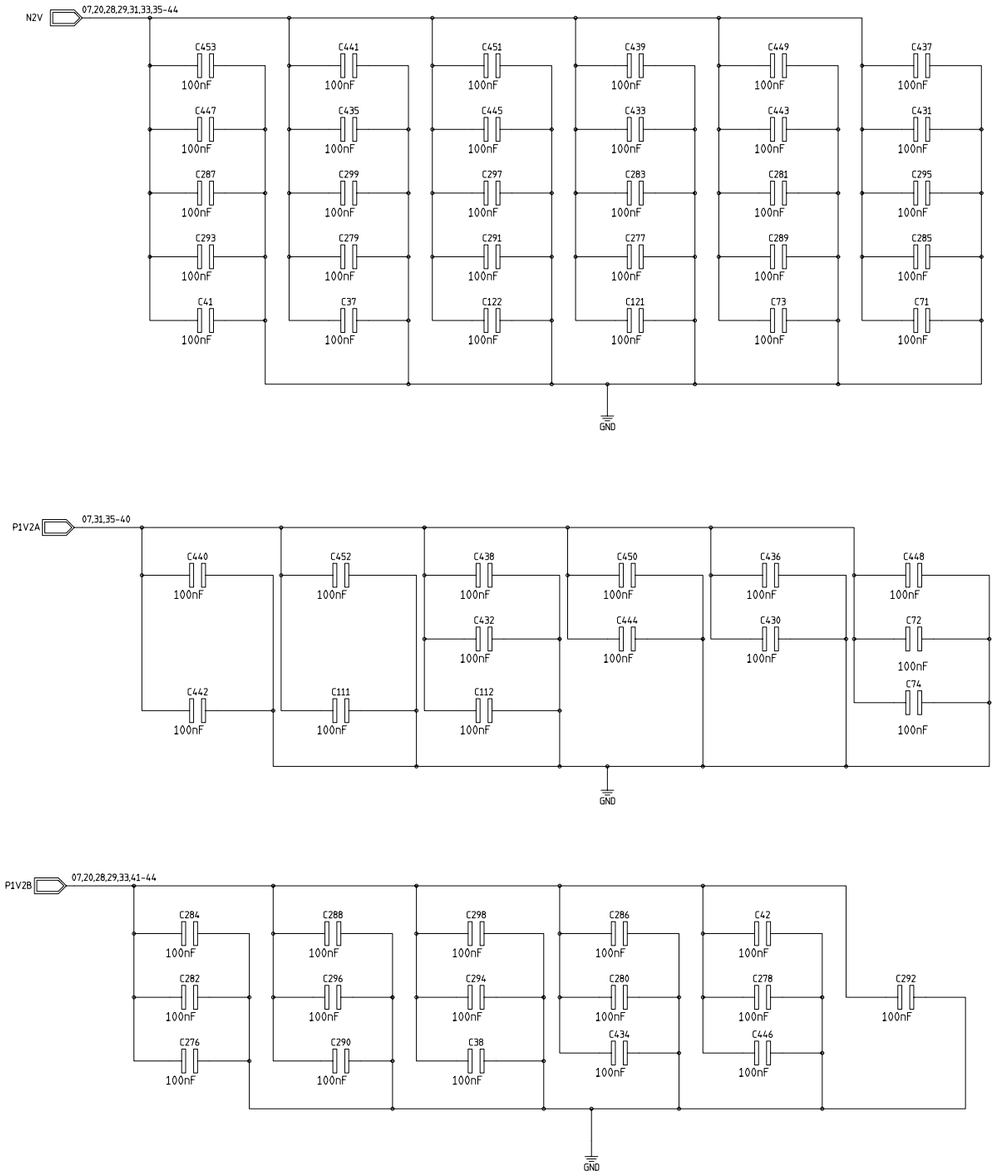


HD SDI Output Board

OUT-20 (7/44)

BOARD NO. 1-674-231-13

HDS-7000



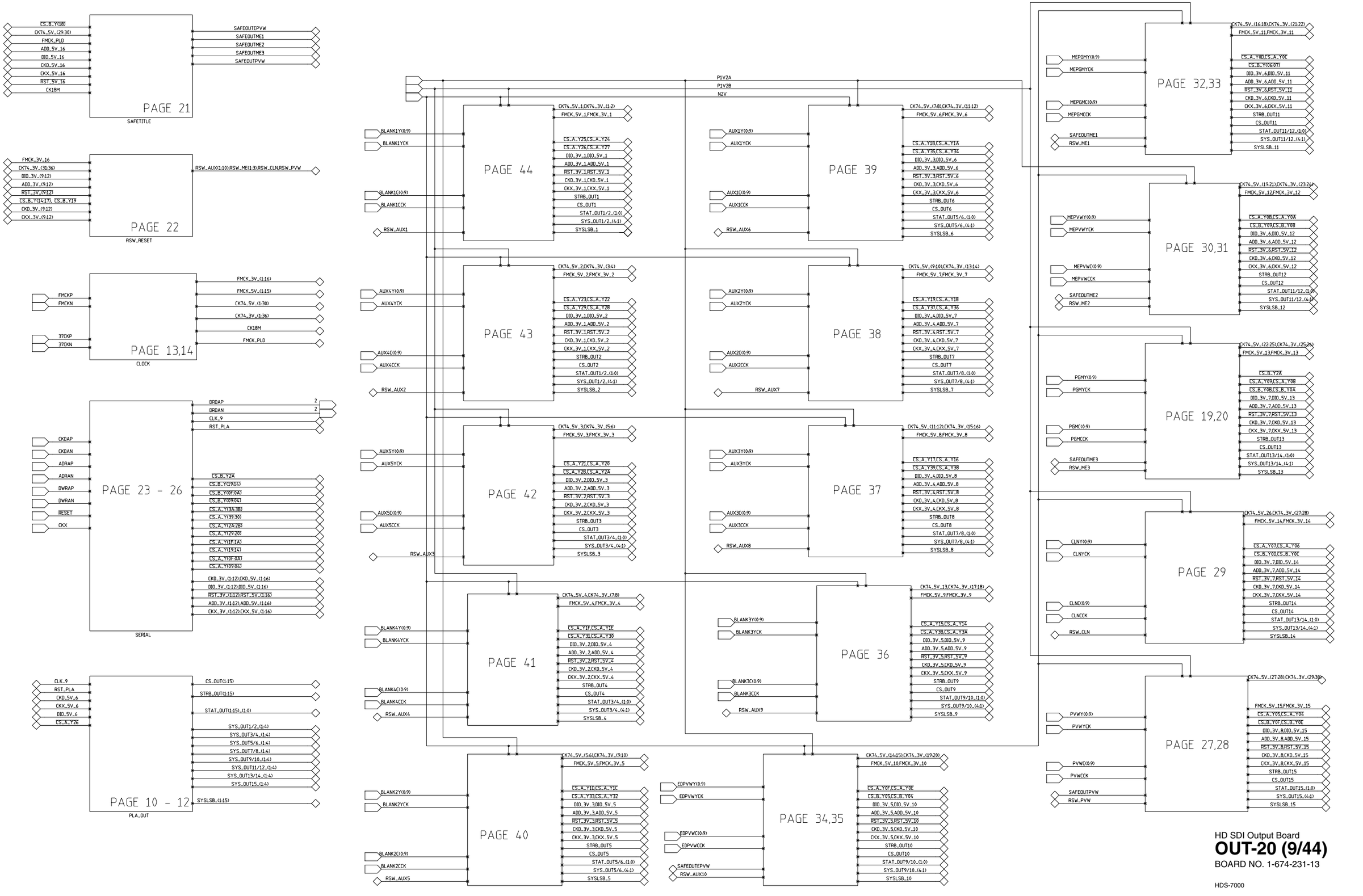
HD SDI Output Board

OUT-20 (8/44)

BOARD NO. 1-674-231-13

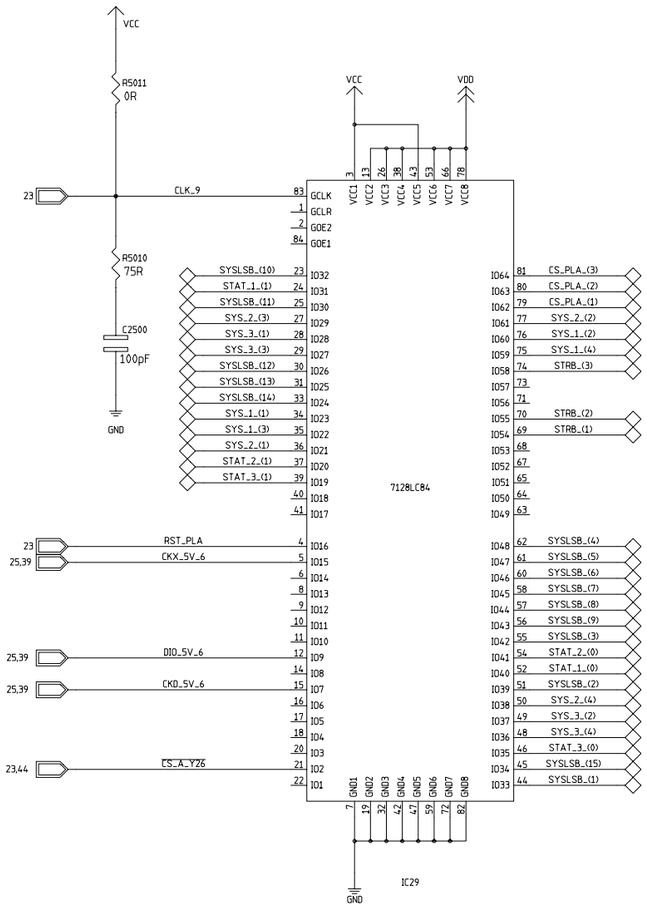
HDS-7000

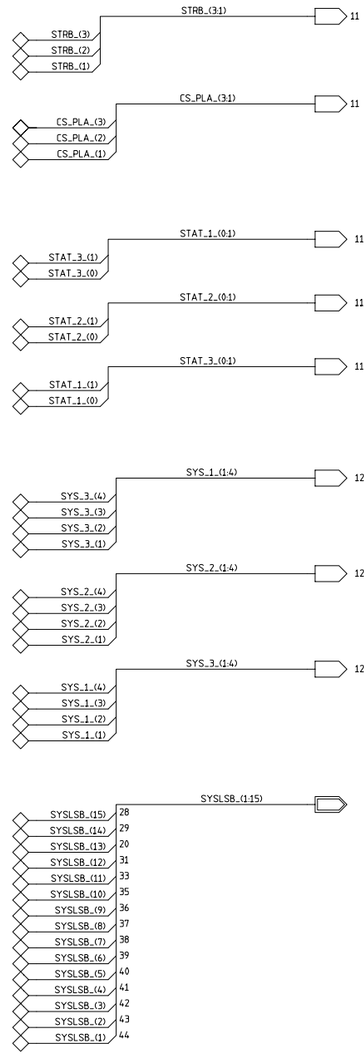
OUT-20 (9/44)



A B C D E F G H

OUT-20 (10/44)

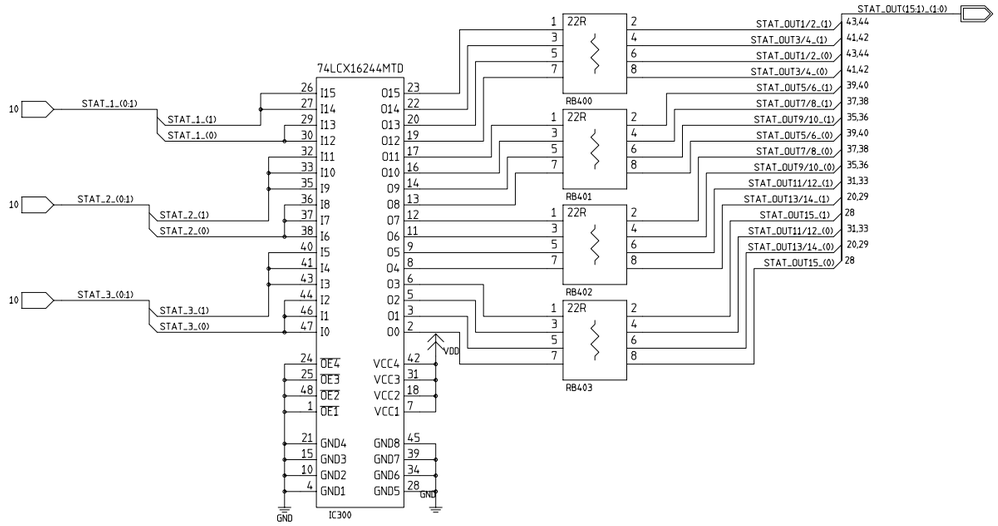


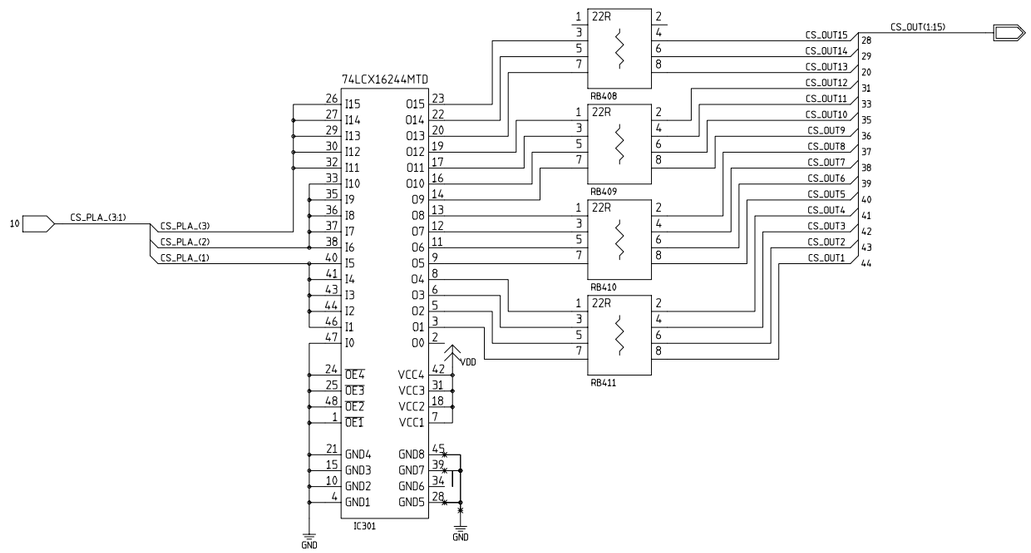


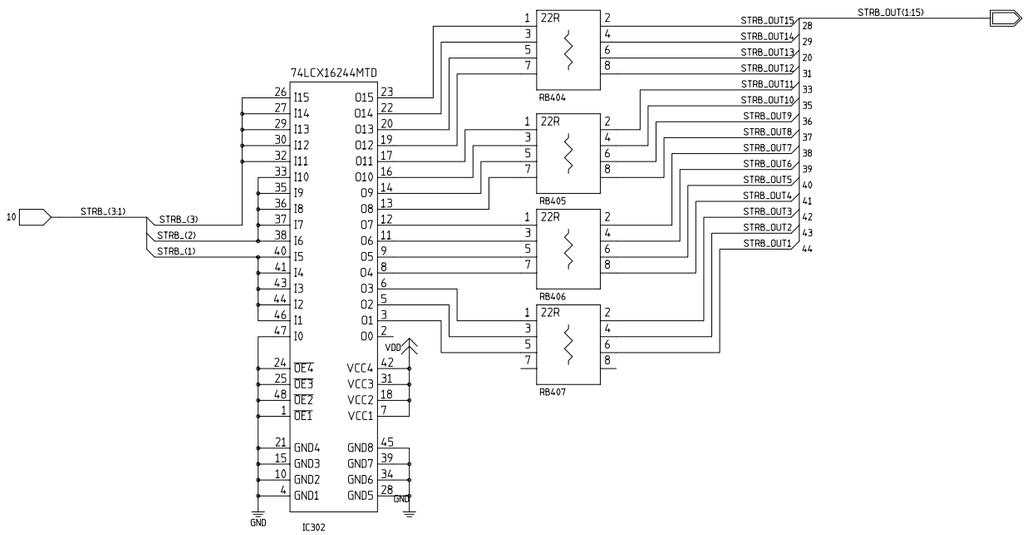
HD SDI Output Board
OUT-20 (10/44)
BOARD NO. 1-674-231-13

HDS-7000

OUT-20 (11/44)







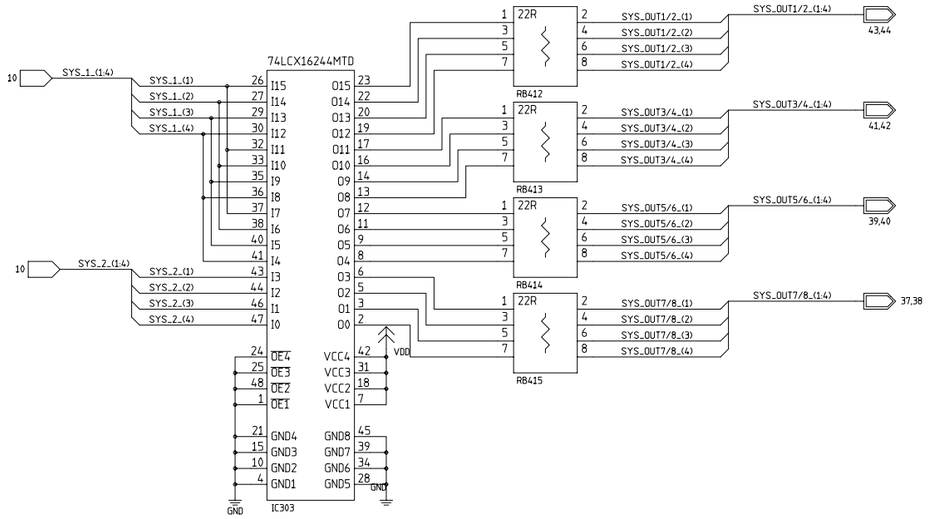
HD SDI Output Board
OUT-20 (11/44)
BOARD NO. 1-674-231-13

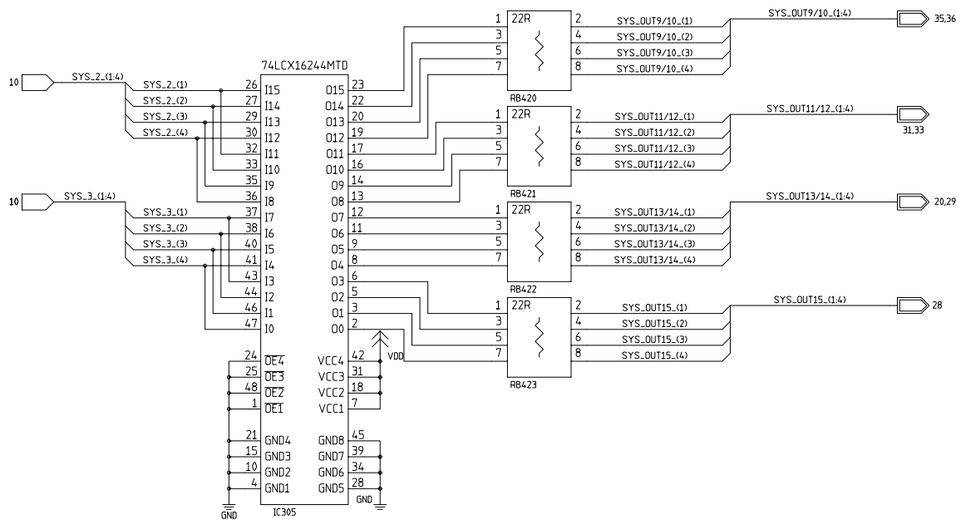
HDS-7000

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HDS-7000

OUT-20 (12/44)





HD SDI Output Board

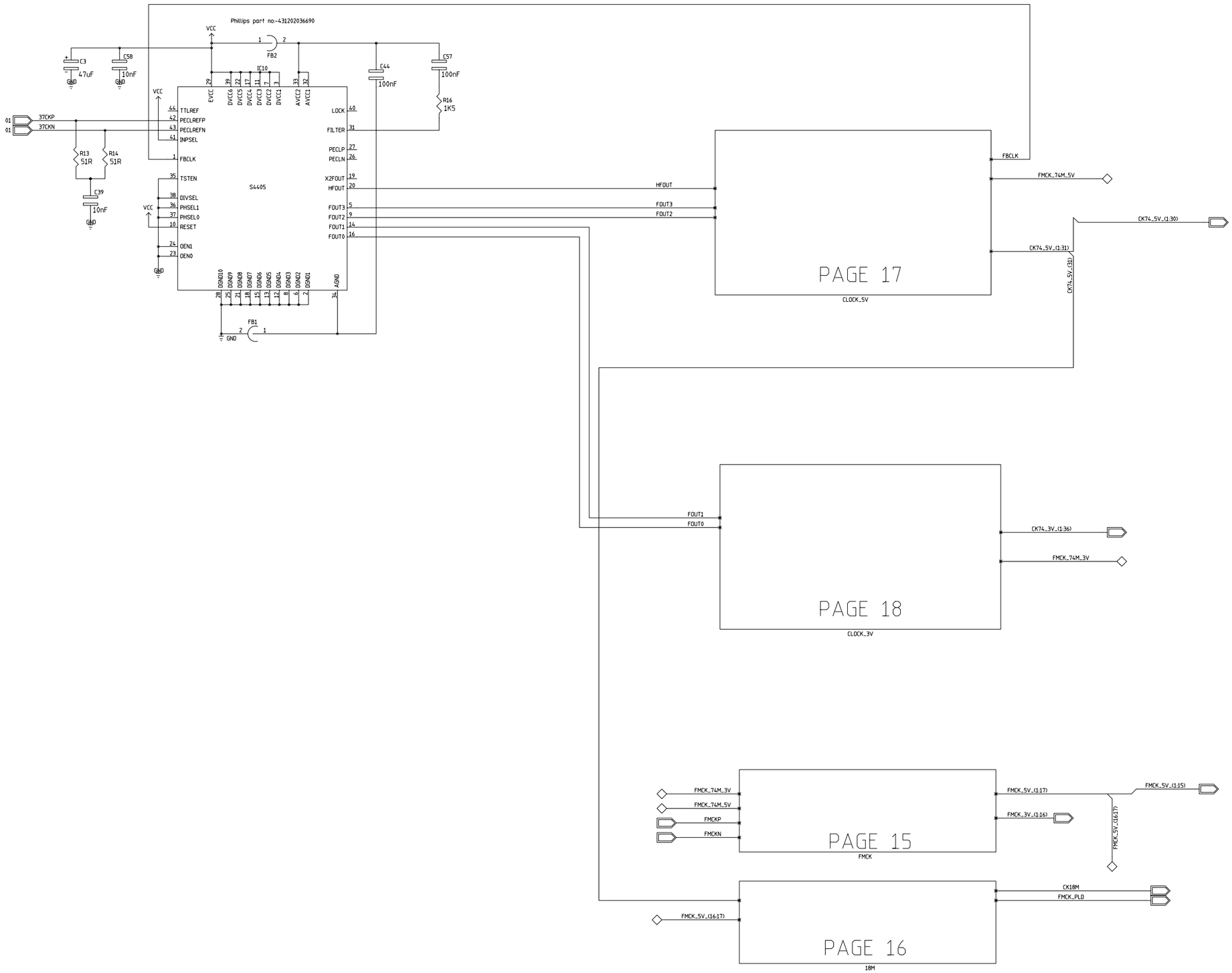
OUT-20 (12/44)

BOARD NO. 1-674-231-13

HDS-7000

A B C D E F G H

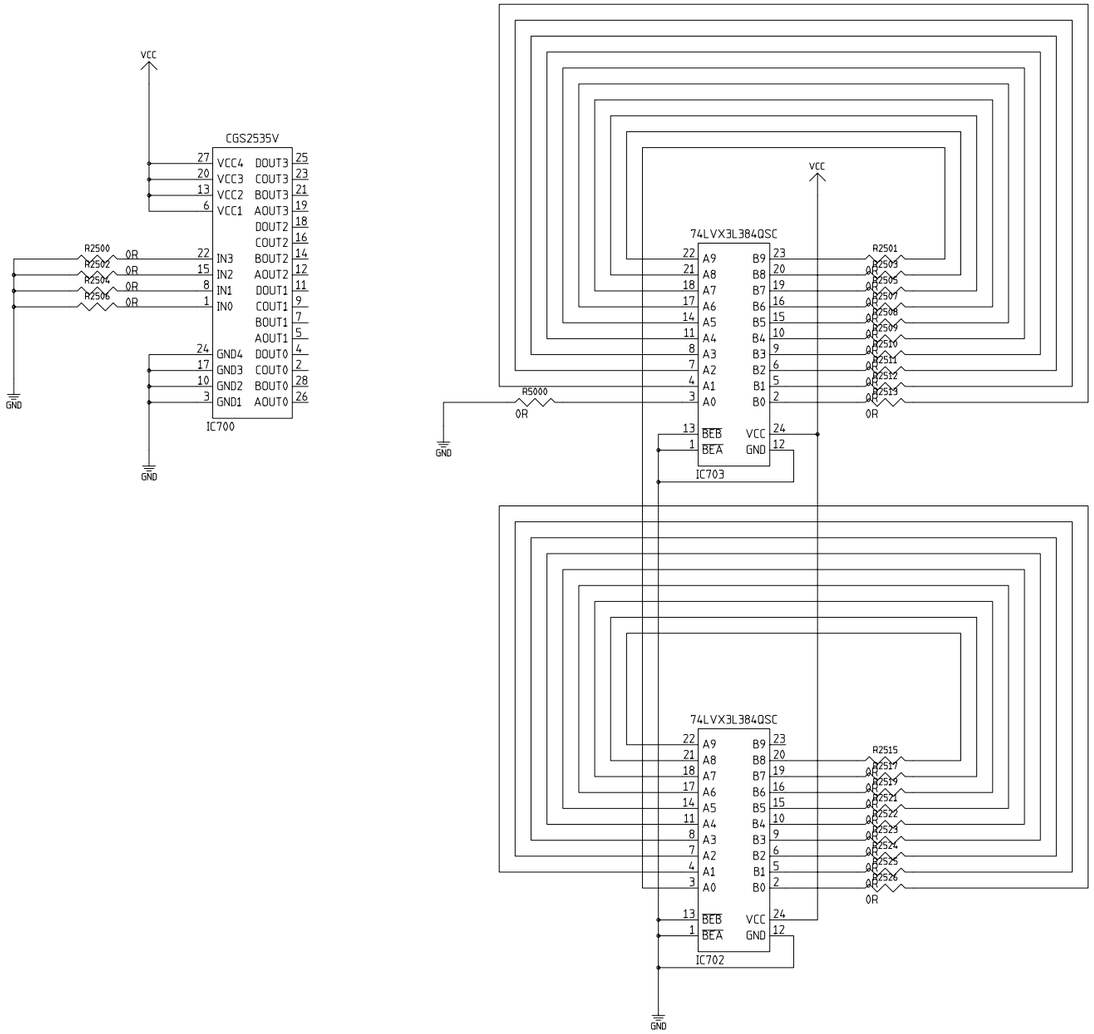
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HD SDI Output Board
OUT-20 (13/44)
BOARD NO. 1-674-231-13

HDS-7000

OUT-20 (14/44)

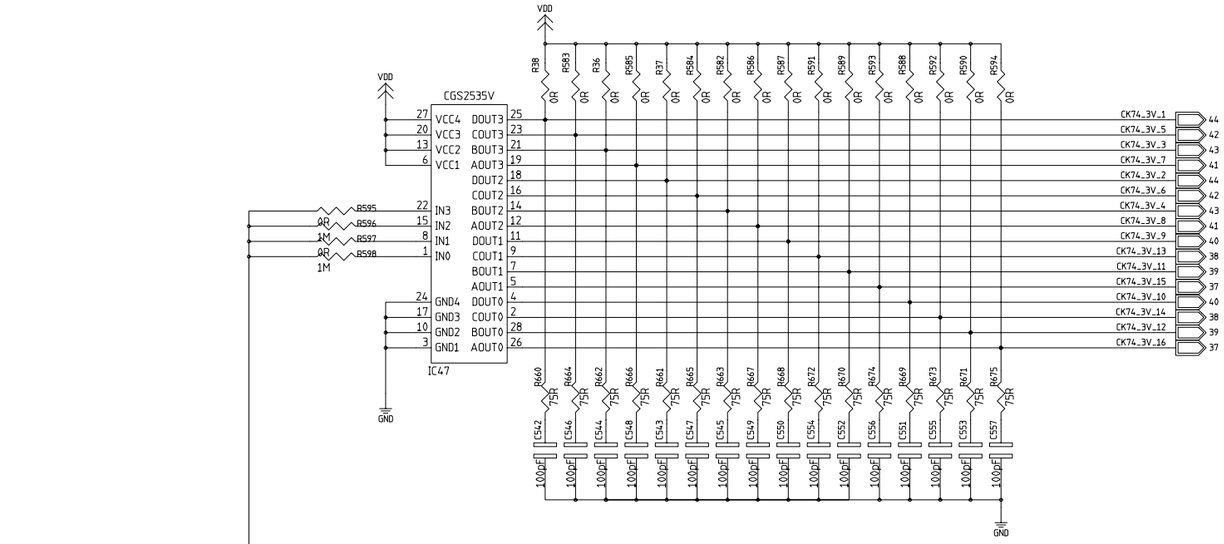


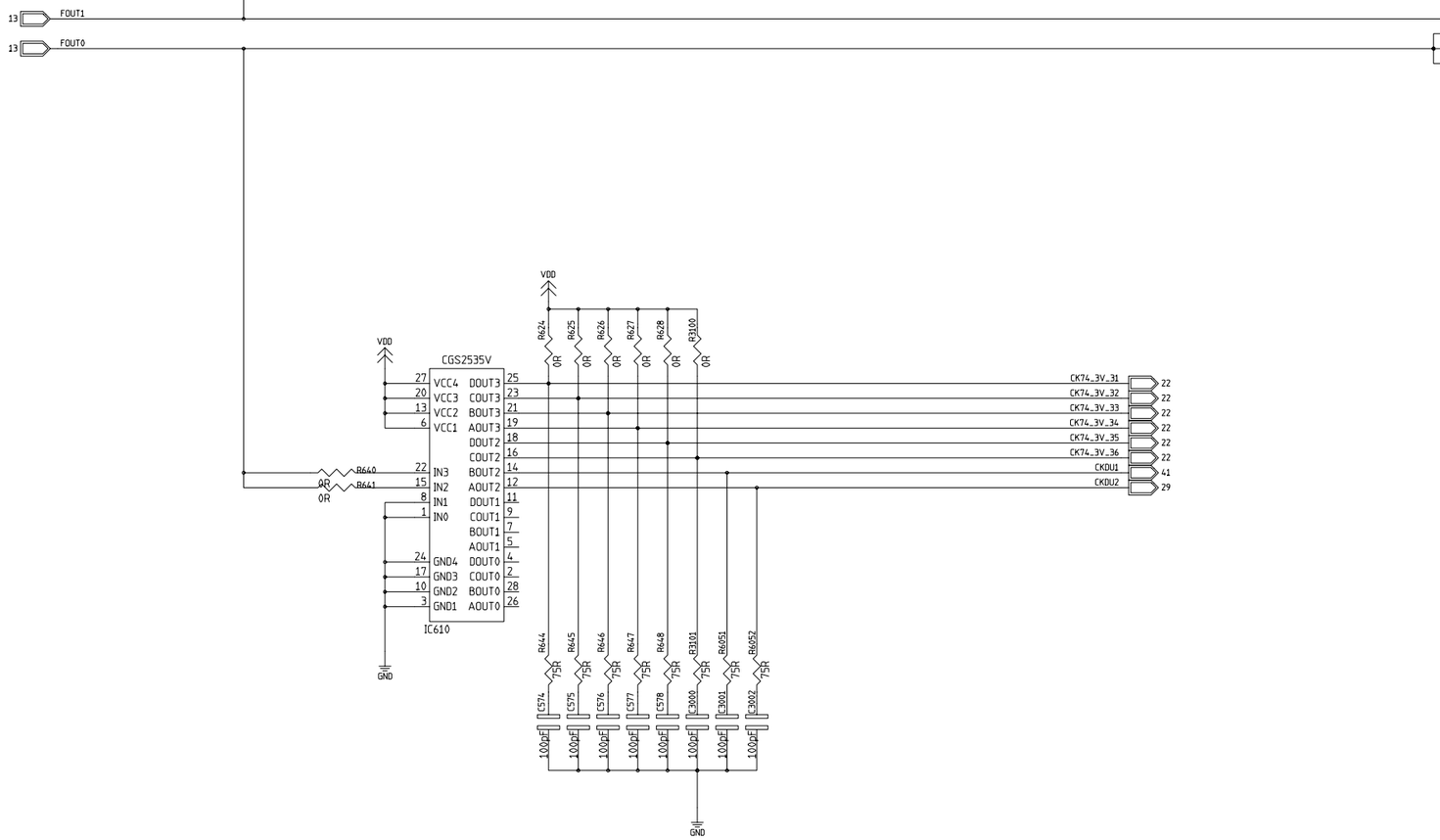
HD SDI Output Board

OUT-20 (14/44)

BOARD NO. 1-674-231-13

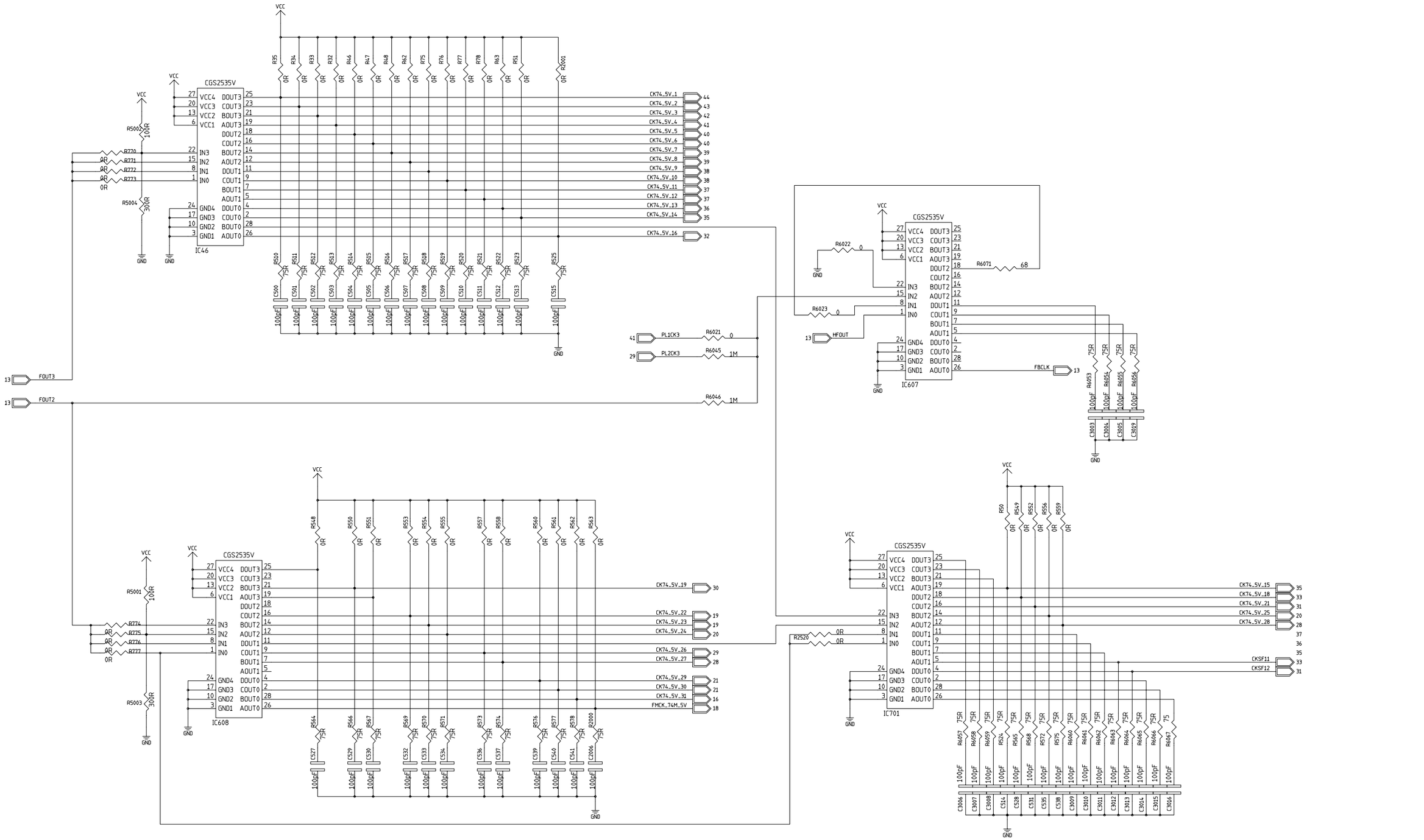
HDS-7000





HD SDI Output Board
OUT-20 (15/44)
BOARD NO. 1-674-231-13

HDS-7000

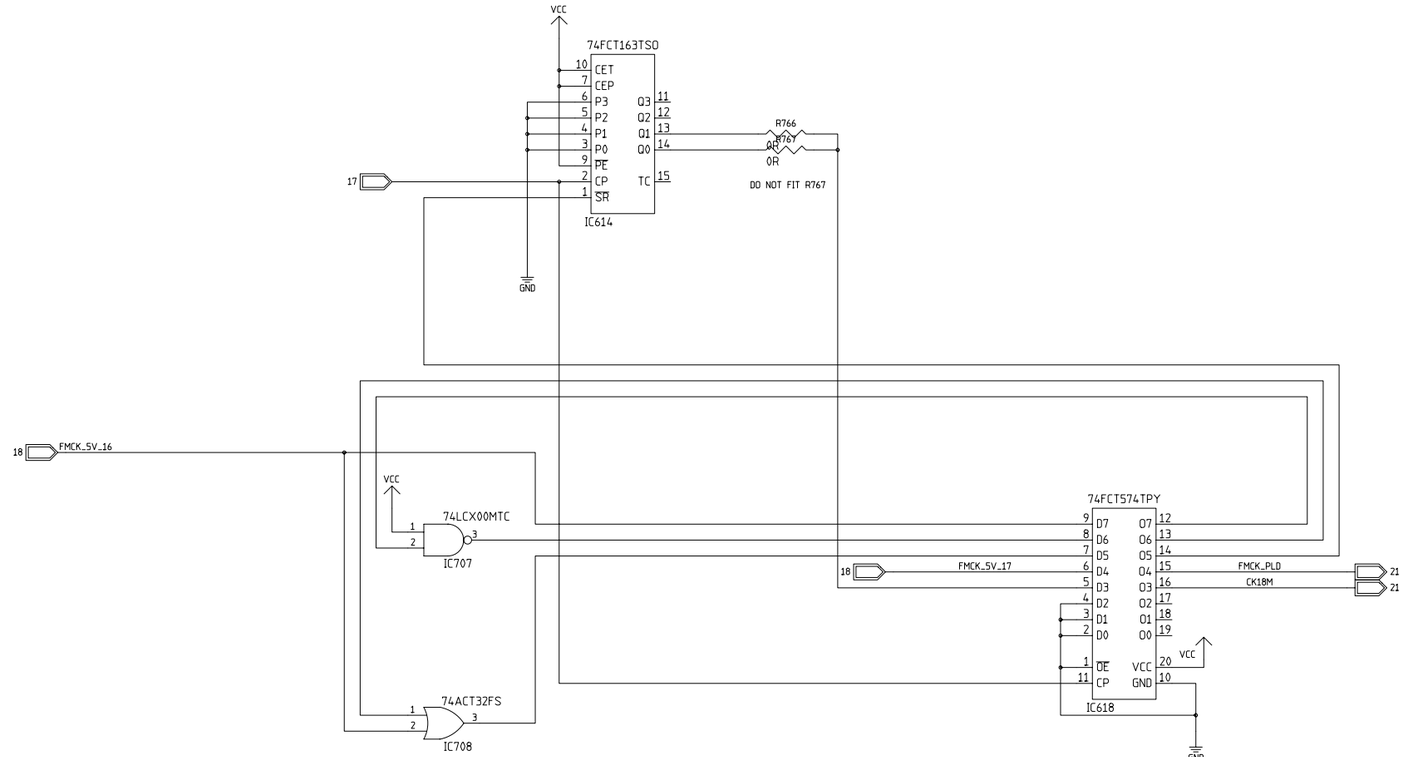


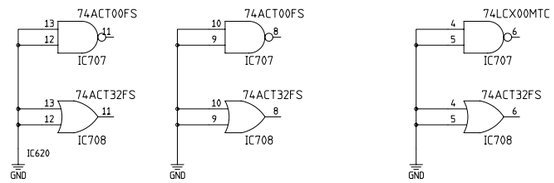
HD SDI Output Board

OUT-20 (16/44)

BOARD NO. 1-674-231-13

OUT-20 (17/44)



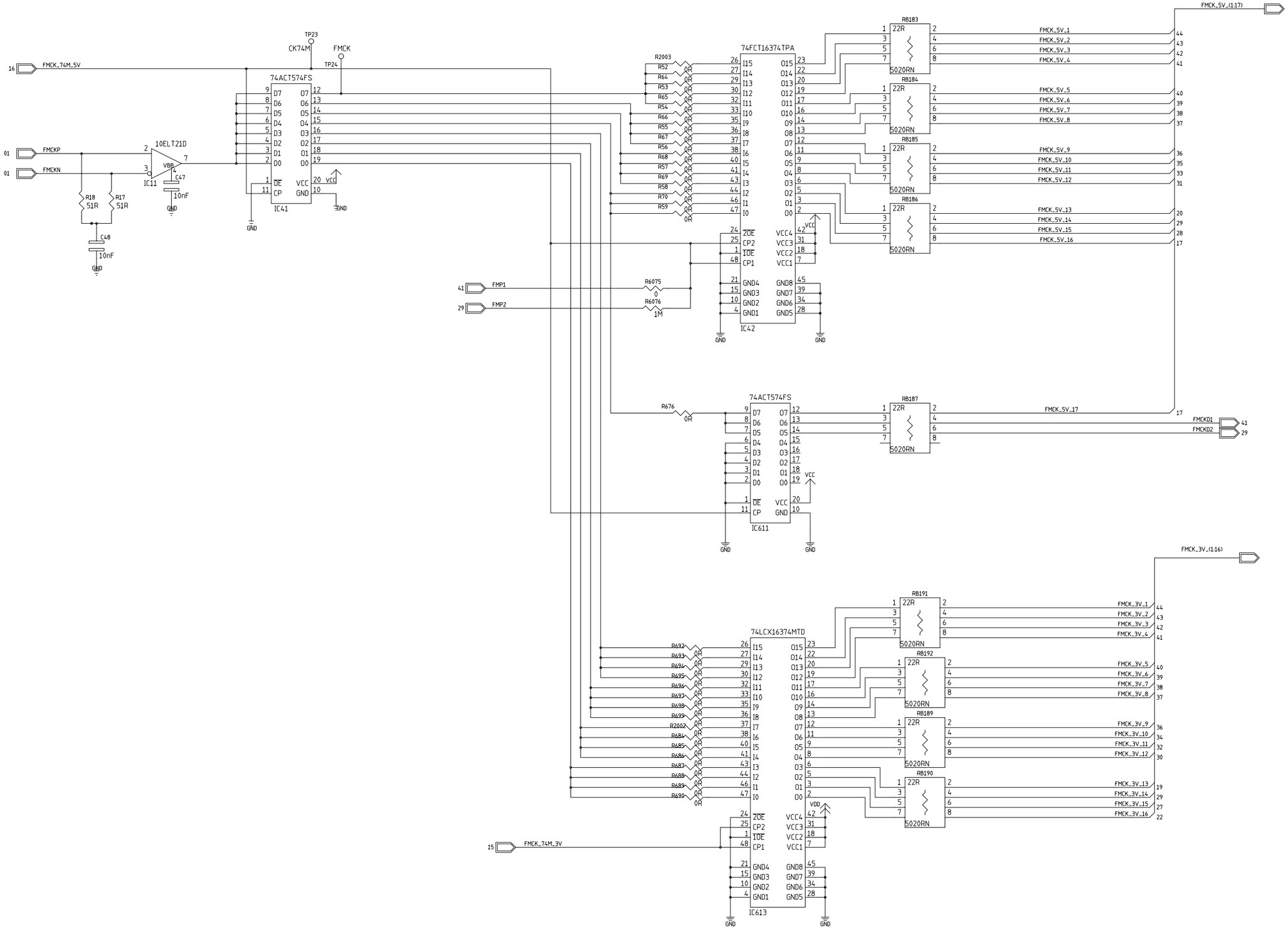


HD SDI Output Board
OUT-20 (17/44)
BOARD NO. 1-674-231-13

HDS-7000

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HDS-7000

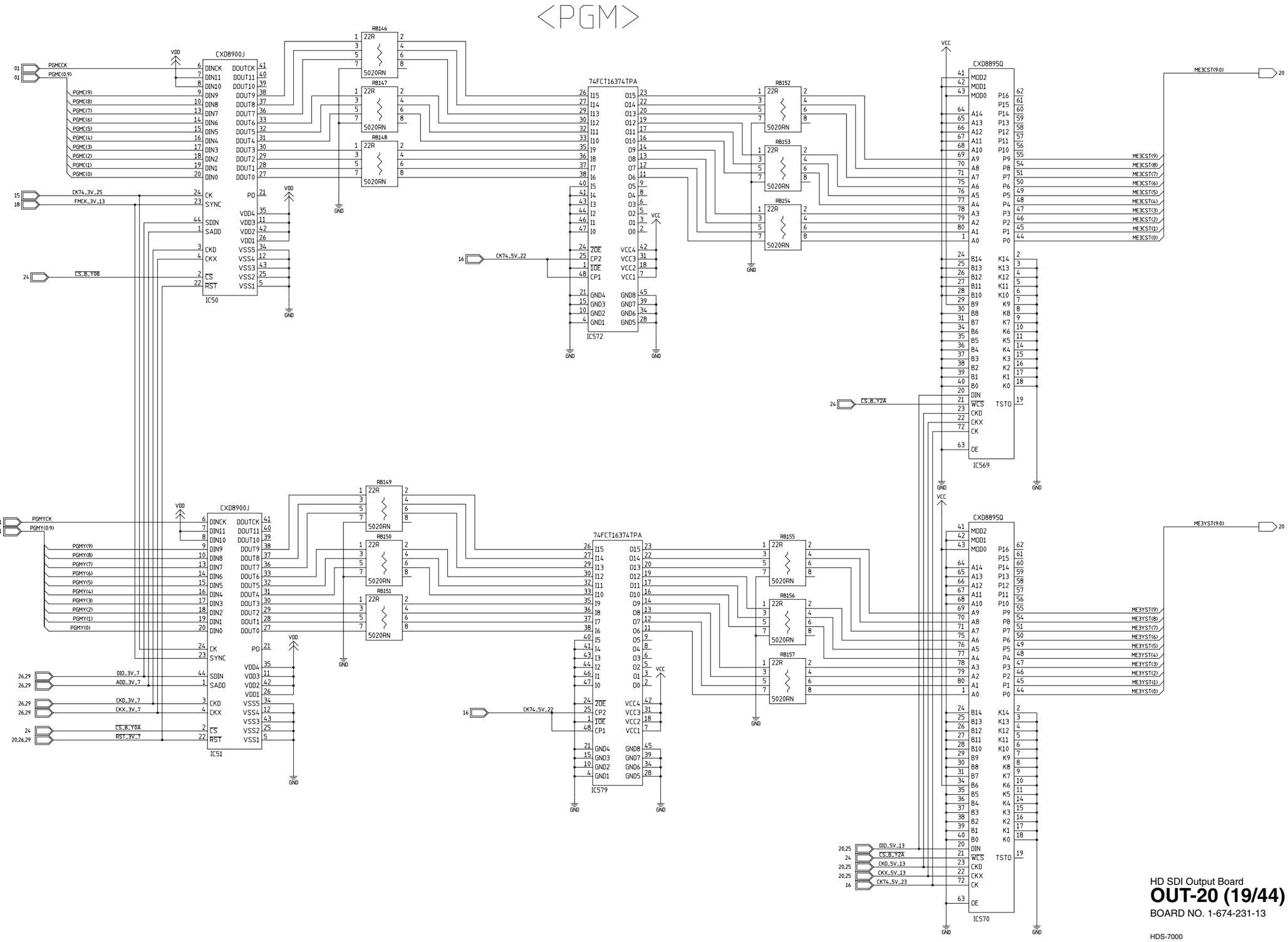
OUT-20 (18/44)



HD SDI Output Board
OUT-20 (18/44)
BOARD NO. 1-674-231-13

HDS-7000

OUT-20 (19/44)



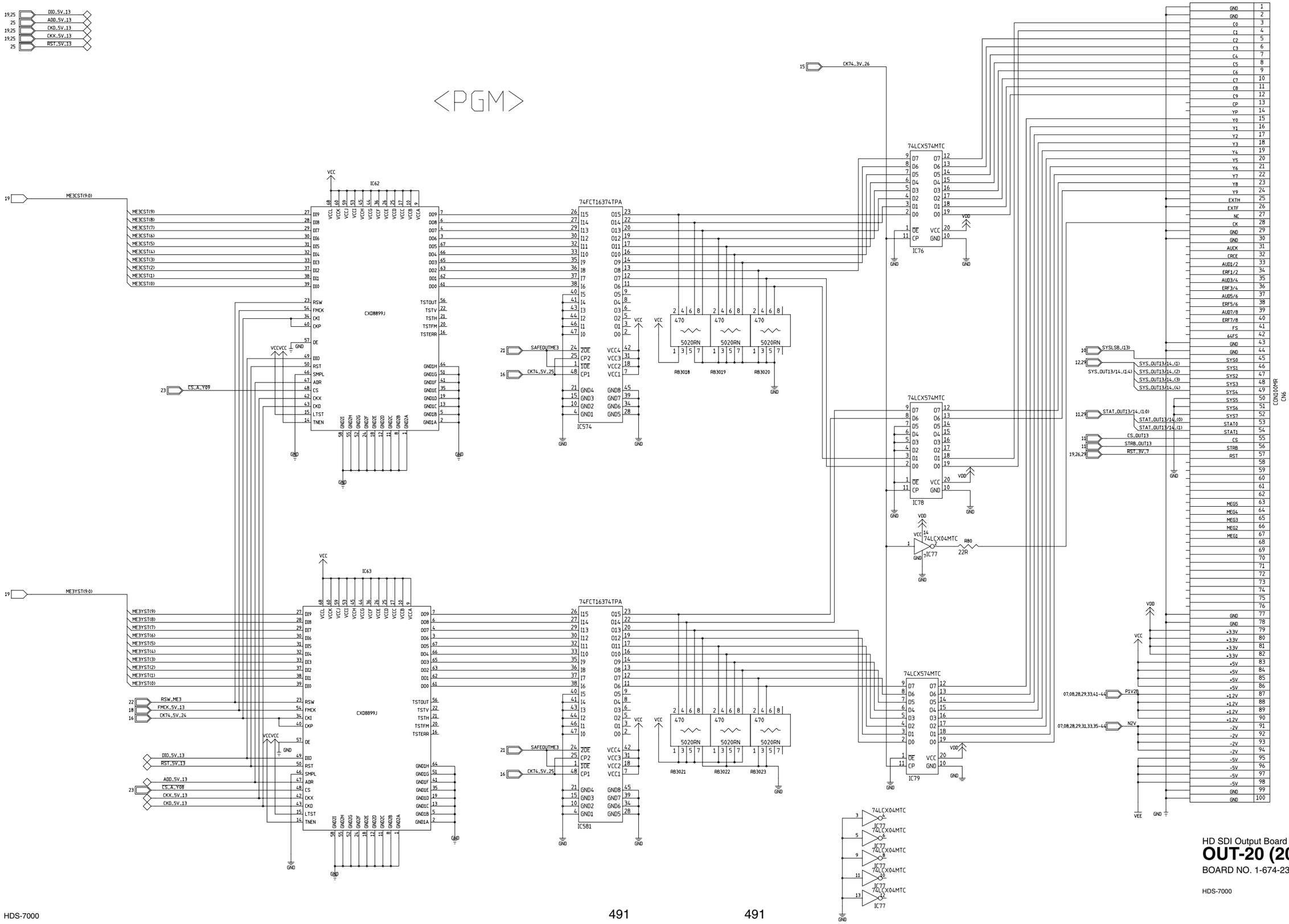
HD SDI Output Board

OUT-20 (19/44)

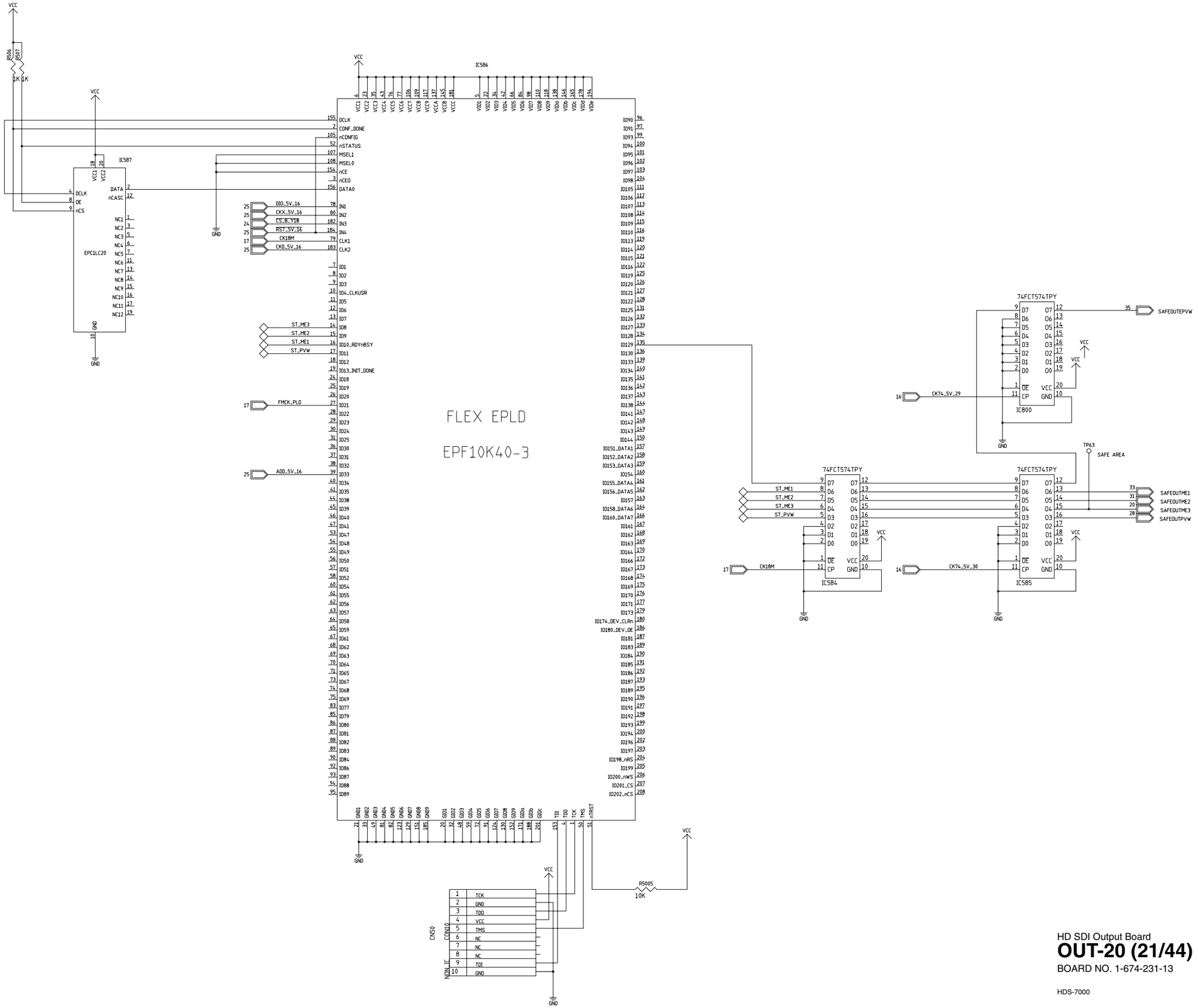
BOARD NO. 1-674-231-13

HDS-7000

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HDS-7000


<PGM>
DI0..5V_13
AD0..5V_13
CK0..5V_13
CKX..5V_13
RST_5V_13
ME3CST(9:0)
ME3YST(9:0)
IC62
IC63
CXD8899J
74FCT16374TPA
IC574
IC581
74LCX574MTC
IC76
IC78
IC79
74LCX04MTC
IC77
5020RN
RB3018
RB3019
RB3020
RB3021
RB3022
RB3023
22R
CK74_5V_25
SAFEOUTME3
CS_A_Y09
RSW_ME3
FMCK_5V_13
CK74_5V_24
CN100MR
CN6
SYSLSB_(13)
SYS_OUT13/14_(1:4)
STAT_OUT13/14_(1:0)
CS_OUT13
STRB_OUT13
RST_3V_7
P1V2B
N2V
HD SDI Output Board
OUT-20 (20/44)
BOARD NO. 1-674-231-13

OUT-20 (21/44)

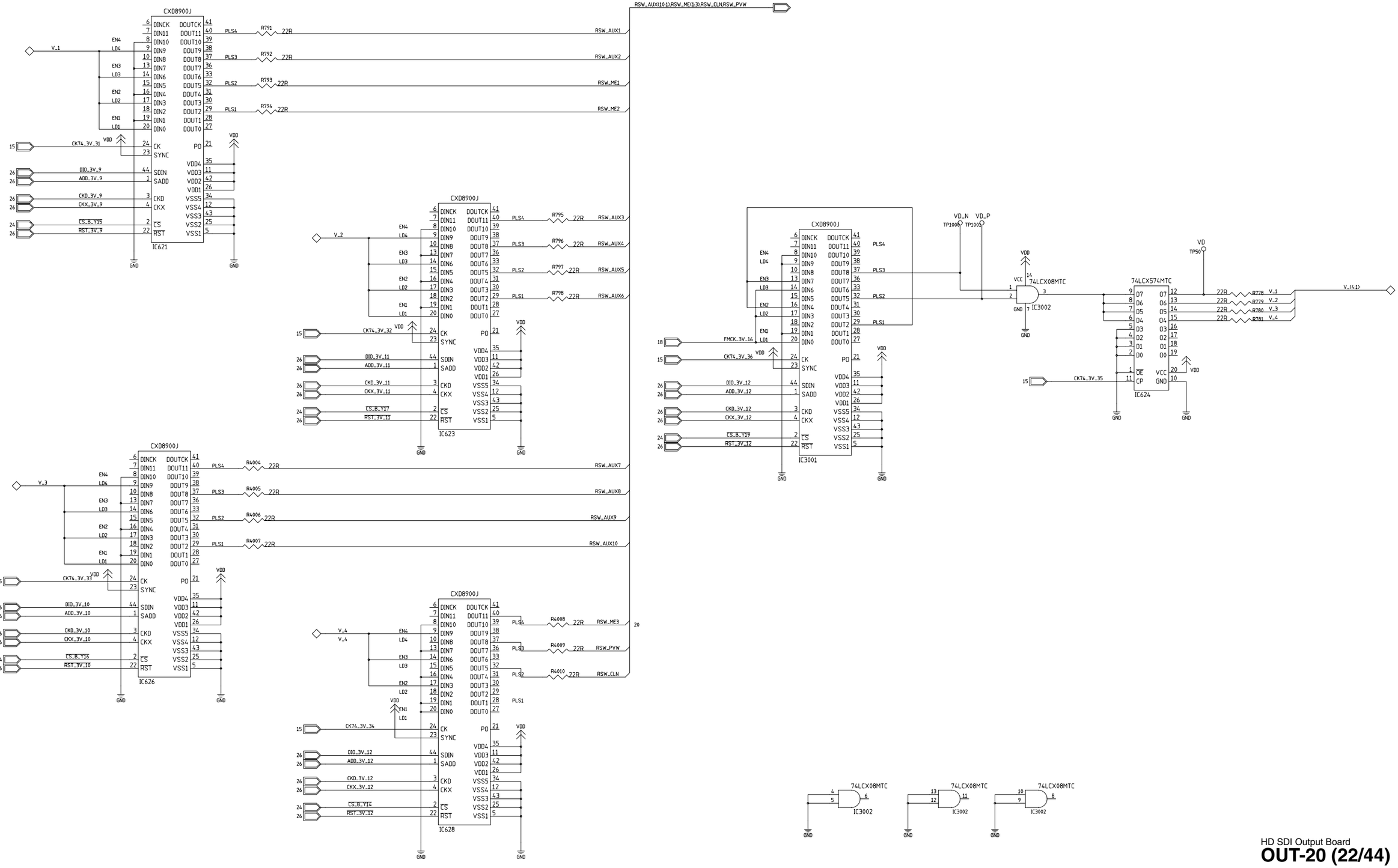


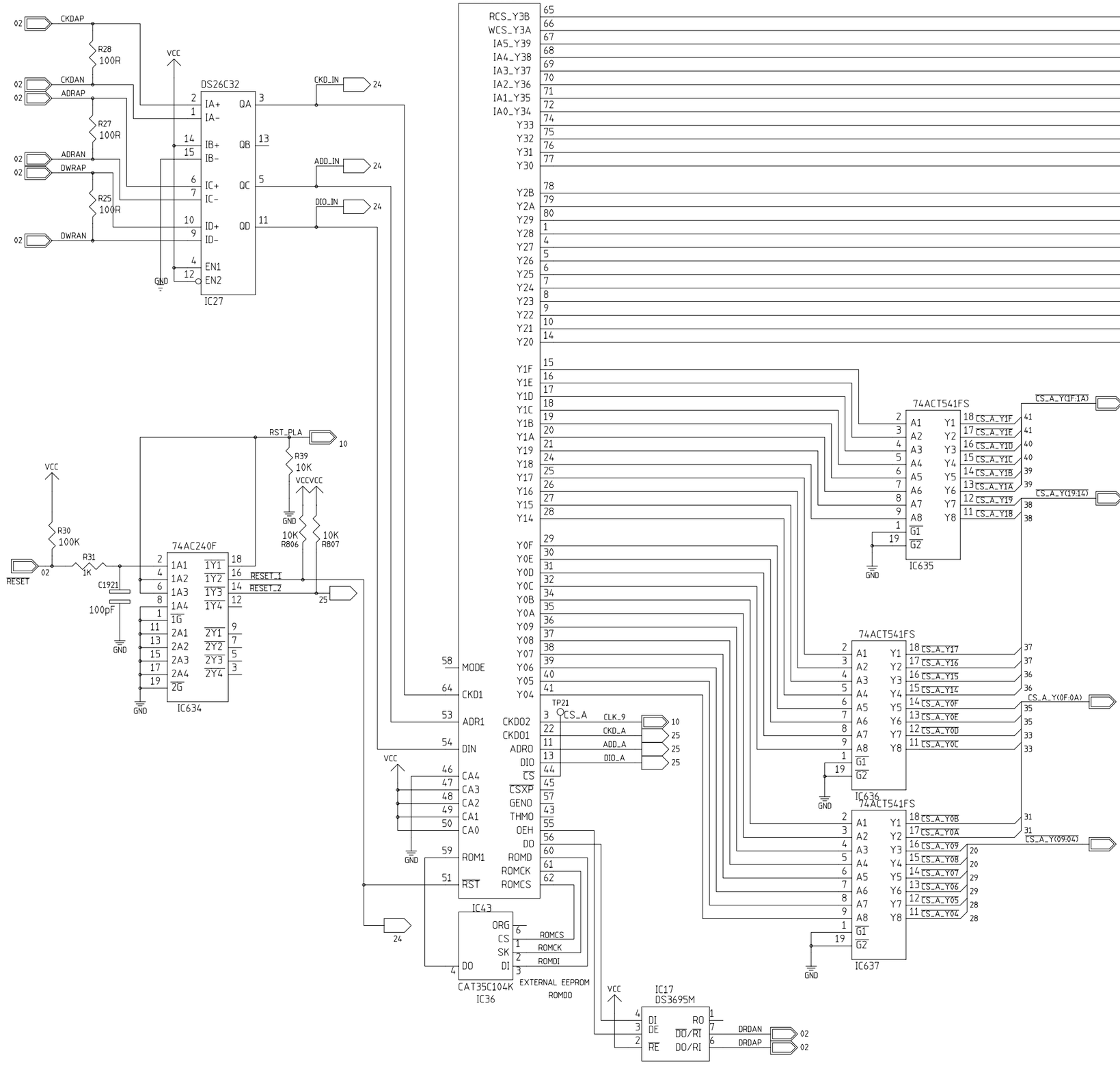
HD SDI Output Board
OUT-20 (21/44)
BOARD NO. 1-674-231-13

HDS-7000

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HDS-7000

OUT-20 (22/44)


RSW_AUX(10:1),RSW_ME(1:3),RSW_CLN,RSW_PVW
CXD8900J
IC621
IC623
IC626
IC628
IC3001
IC624
IC3002
74LCX08MTC
74LCX574MTC
VD_N
VD_P
VD
V_1
V_2
V_3
V_4
V_(4:1)
FMCK_3V_16
CK74_3V_31
CK74_3V_32
CK74_3V_33
CK74_3V_34
CK74_3V_35
CK74_3V_36
DIO_3V_9
ADD_3V_9
CKD_3V_9
CKX_3V_9
CS_B_Y15
RST_3V_9
DIO_3V_11
ADD_3V_11
CKD_3V_11
CKX_3V_11
CS_B_Y17
RST_3V_11
DIO_3V_10
ADD_3V_10
CKD_3V_10
CKX_3V_10
CS_B_Y16
RST_3V_10
DIO_3V_12
ADD_3V_12
CKD_3V_12
CKX_3V_12
CS_B_Y19
RST_3V_12
CS_B_Y14
RST_3V_14
R791 22R
R792 22R
R793 22R
R794 22R
R795 22R
R796 22R
R797 22R
R798 22R
R4004 22R
R4005 22R
R4006 22R
R4007 22R
R4008 22R
R4009 22R
R4010 22R
R778 22R
R779 22R
R780 22R
R781 22R
RSW_AUX1
RSW_AUX2
RSW_ME1
RSW_ME2
RSW_AUX3
RSW_AUX4
RSW_AUX5
RSW_AUX6
RSW_AUX7
RSW_AUX8
RSW_AUX9
RSW_AUX10
RSW_ME3
RSW_PVW
RSW_CLN
GND
VDD



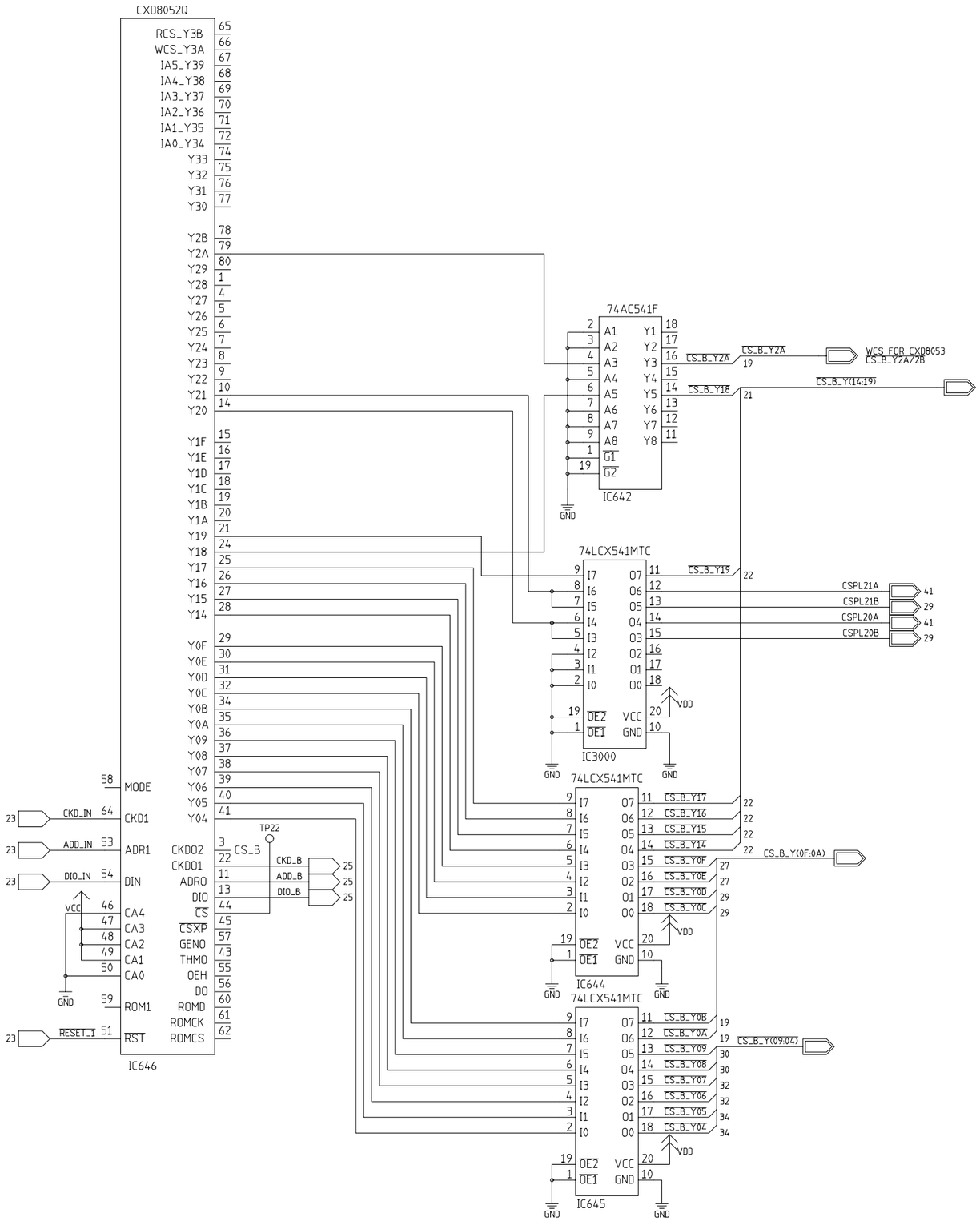
HD SDI Output Board

OUT-20 (23/44)

BOARD NO. 1-674-231-13

HDS-7000

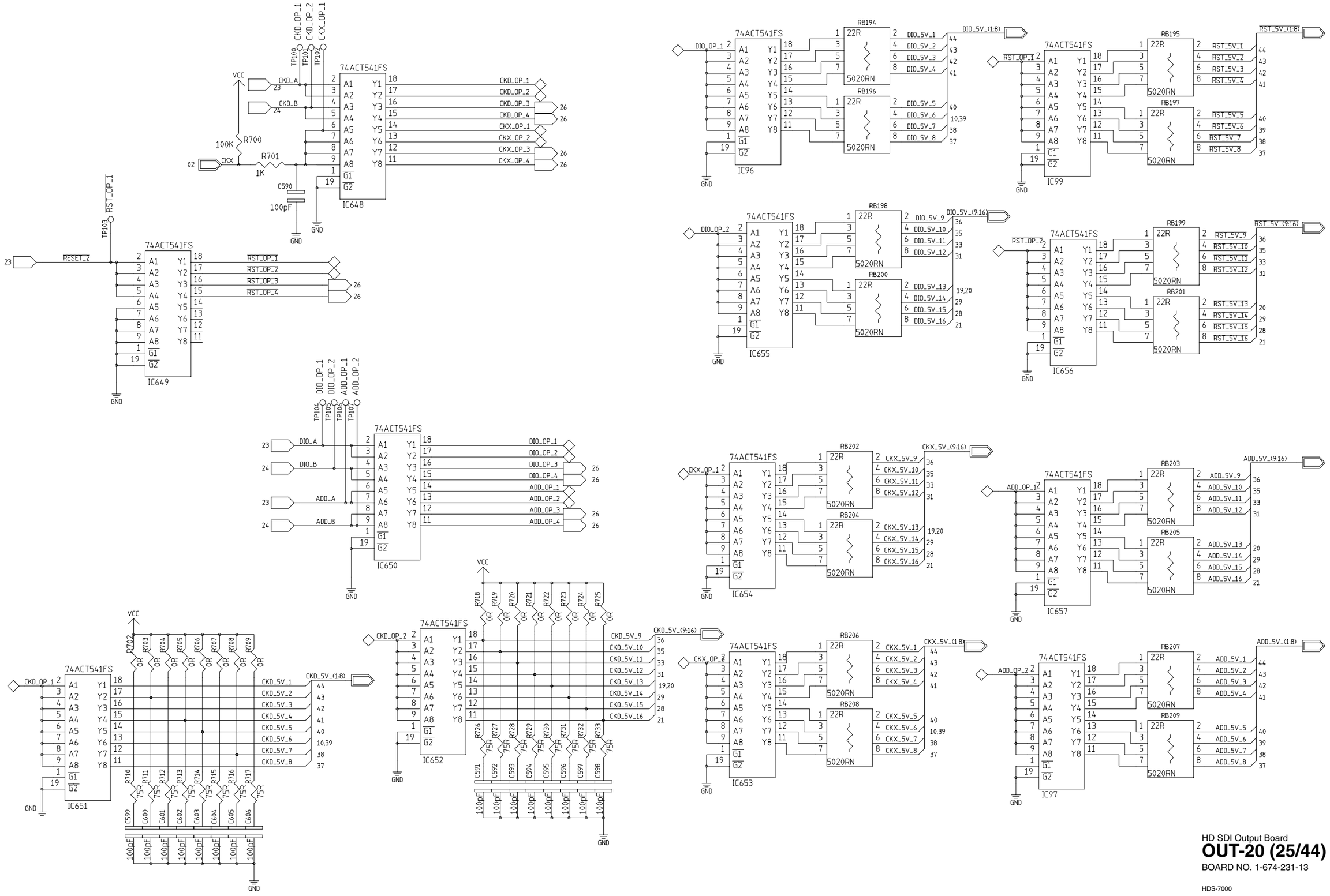
OUT-20 (24/44)



HD SDI Output Board
OUT-20 (24/44)
BOARD NO. 1-674-231-13

HDS-7000

495



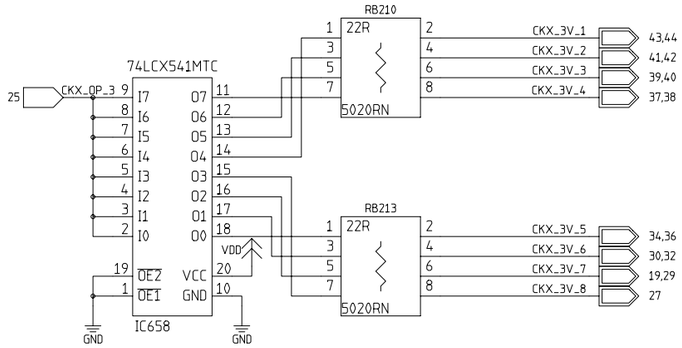
HD SDI Output Board

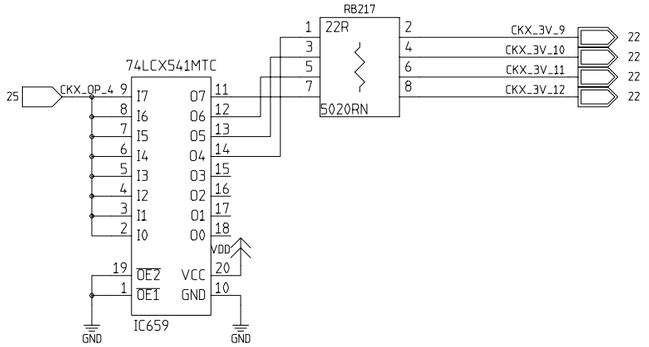
OUT-20 (25/44)

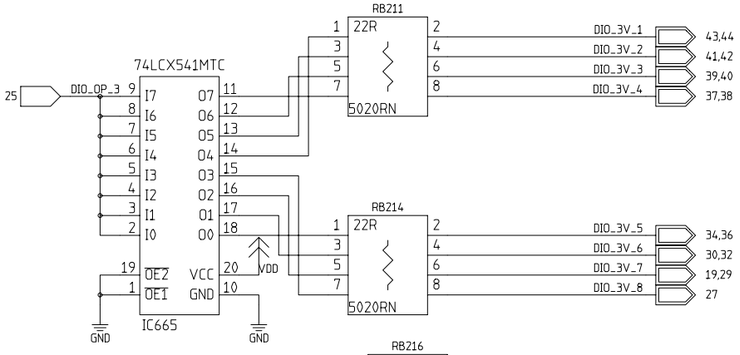
BOARD NO. 1-674-231-13

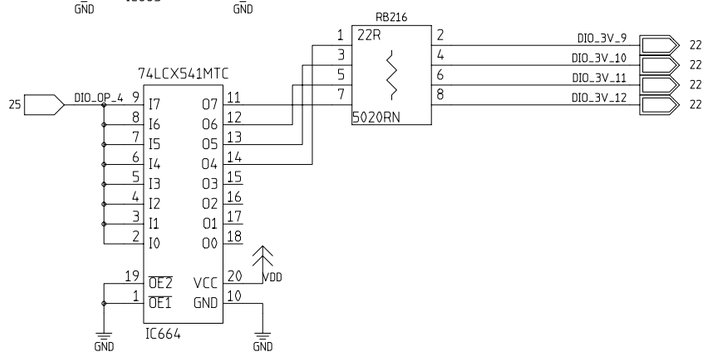
HDS-7000

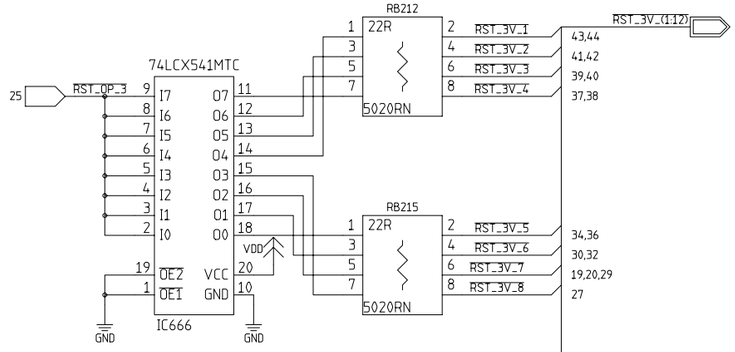
OUT-20 (26/44)

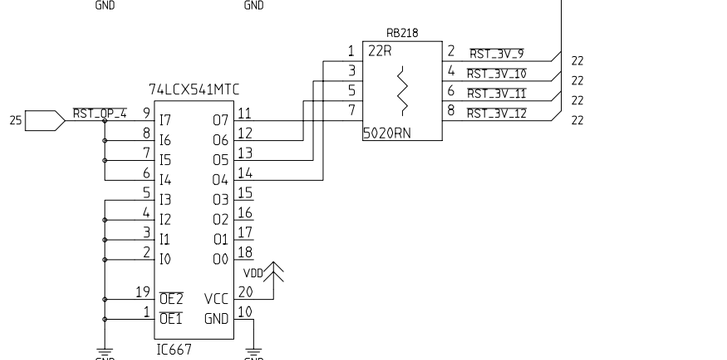


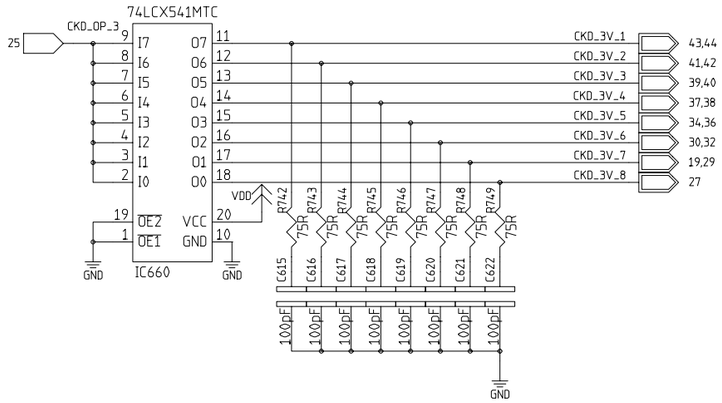


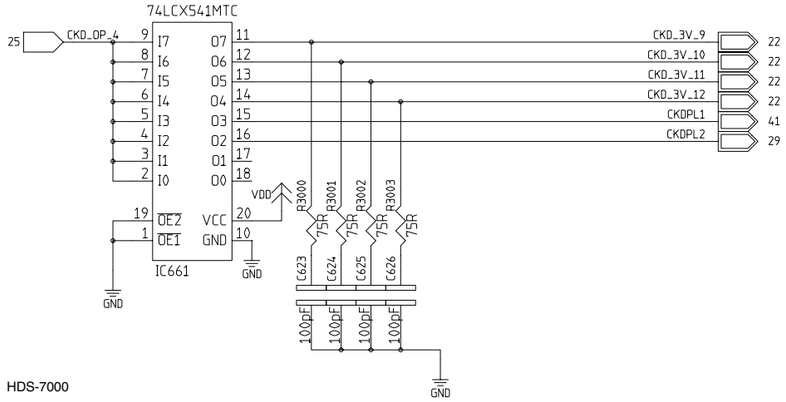


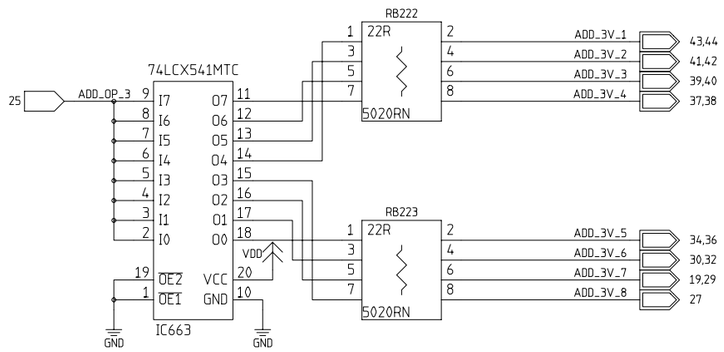


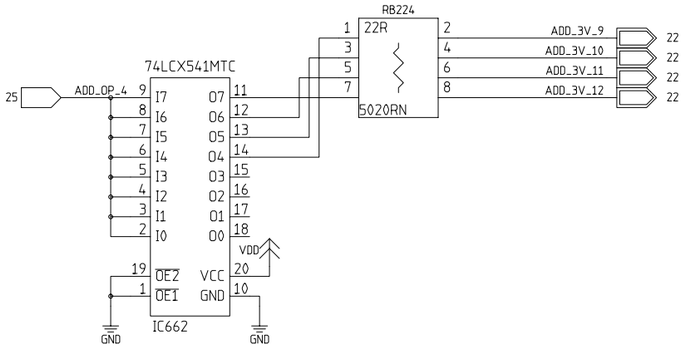










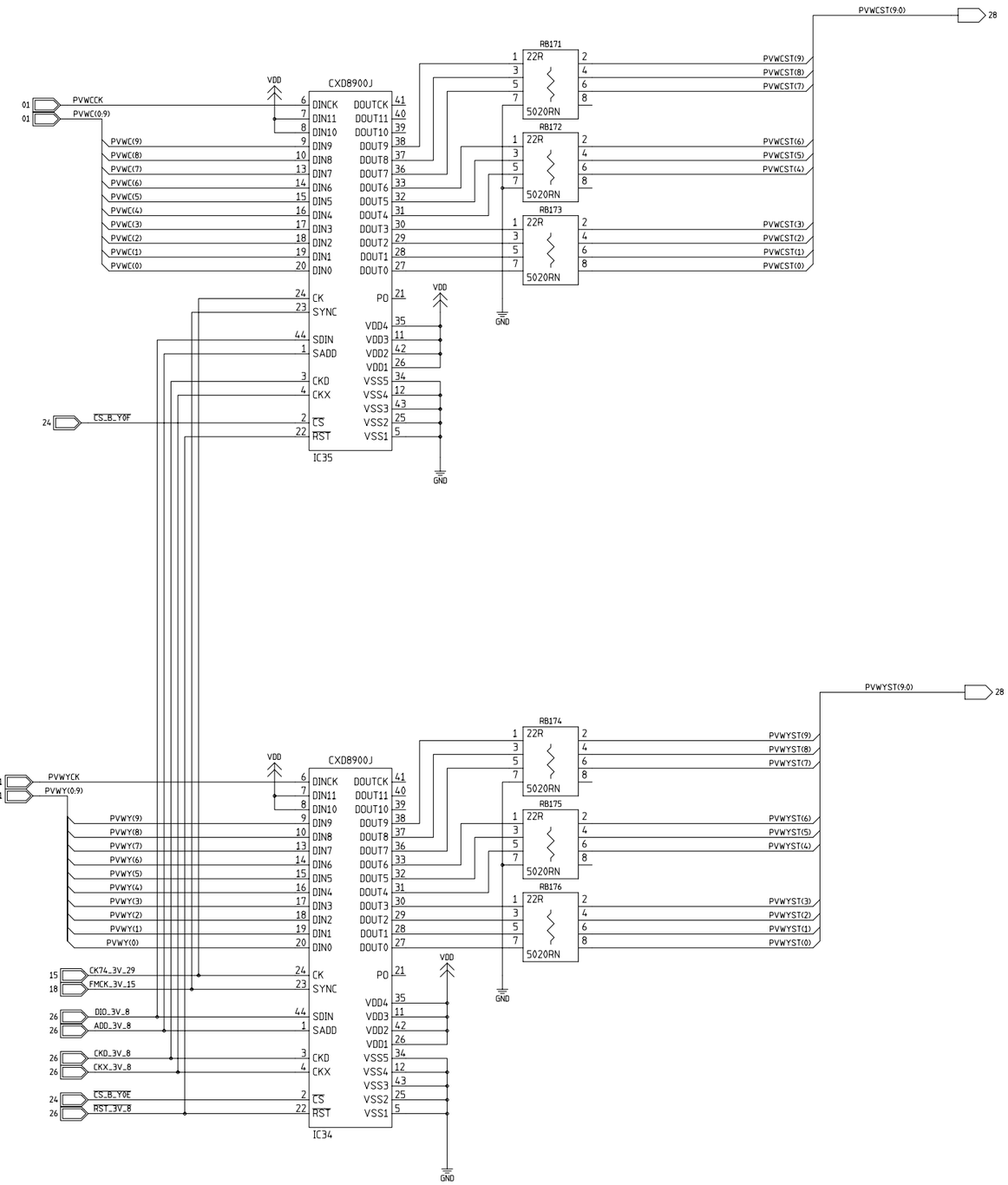


HD SDI Output Board
OUT-20 (26/44)
BOARD NO. 1-674-231-13

HDS-7000

OUT-20 (27/44)

<PVW>



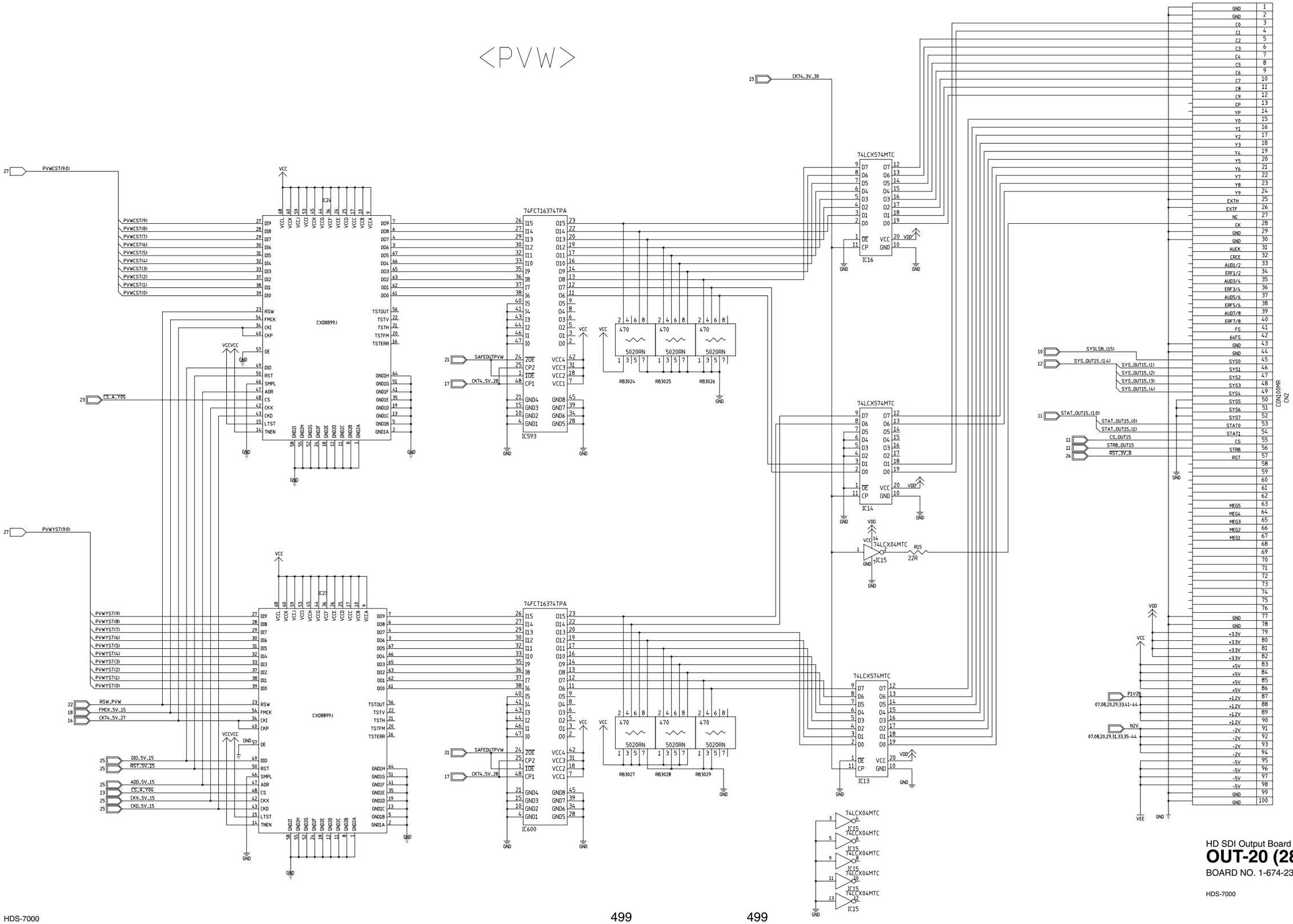
HD SDI Output Board
OUT-20 (27/44)
BOARD NO. 1-674-231-13

HDS-7000

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HDS-7000

OUT-20 (28/44)

<PVW>

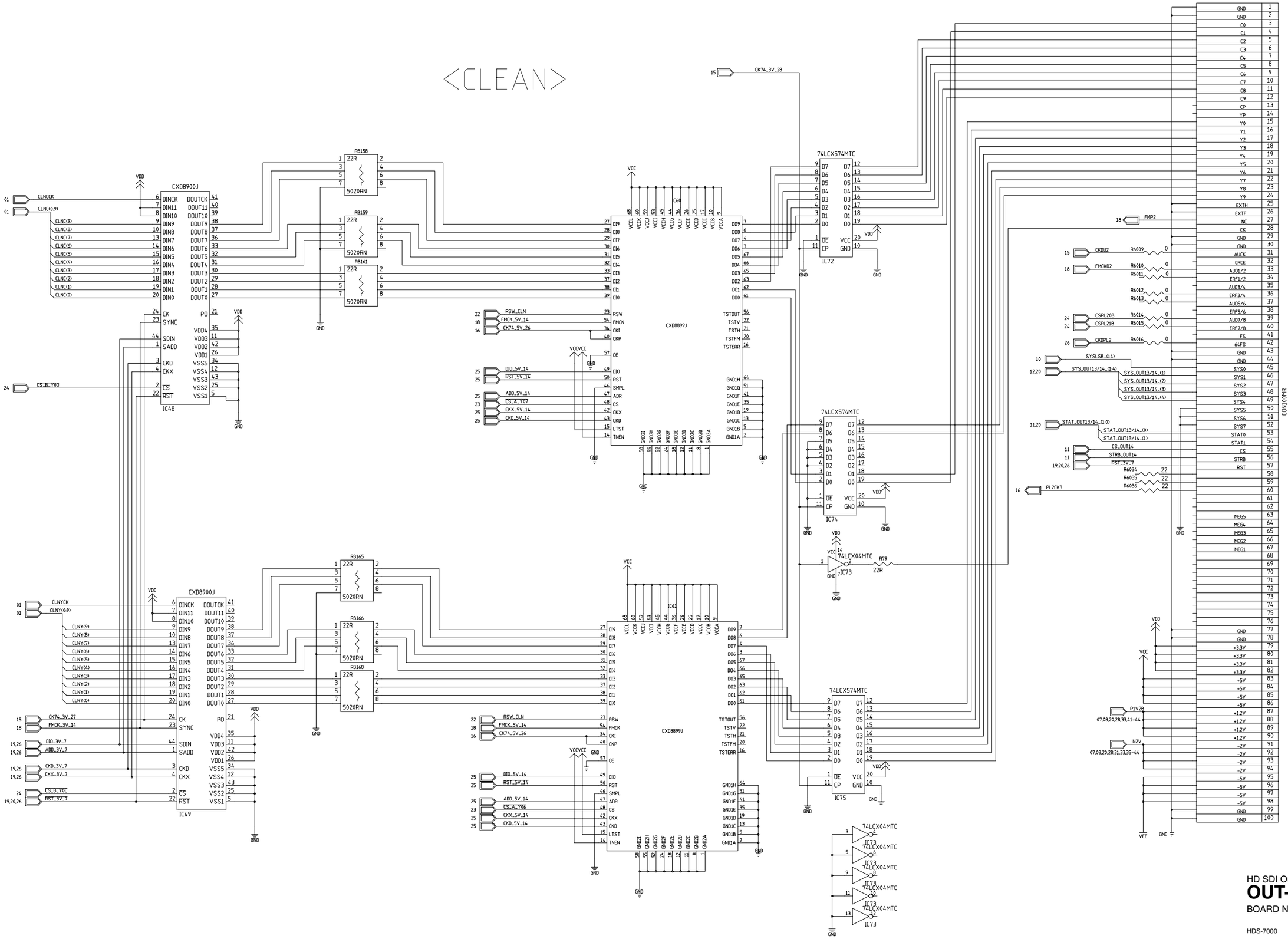


HD SDI Output Board

OUT-20 (28/44)

BOARD NO. 1-674-231-13

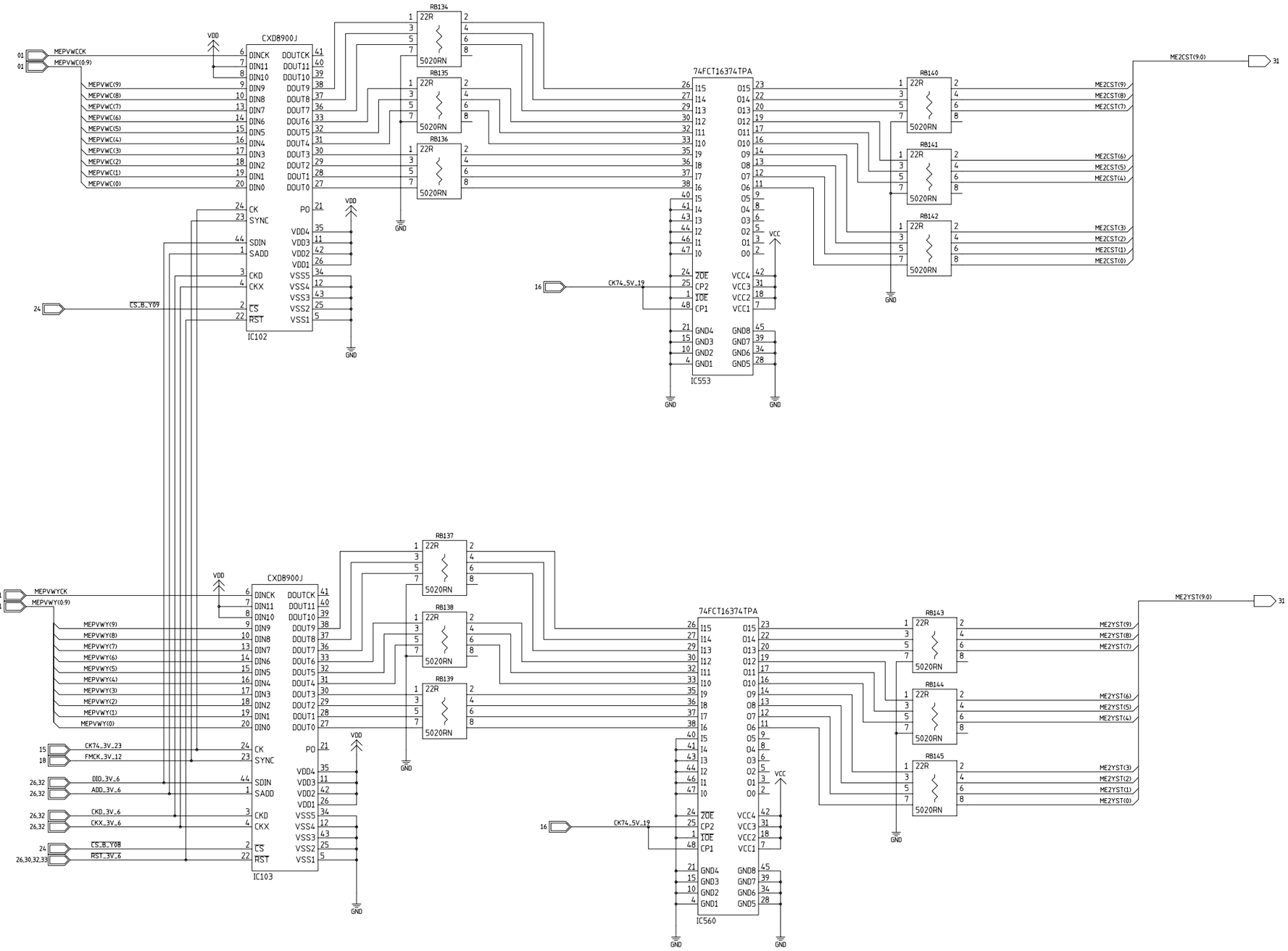
HDS-7000



500 500

HDS-7000

<ME2 PGM>



HDS-7000

501

501

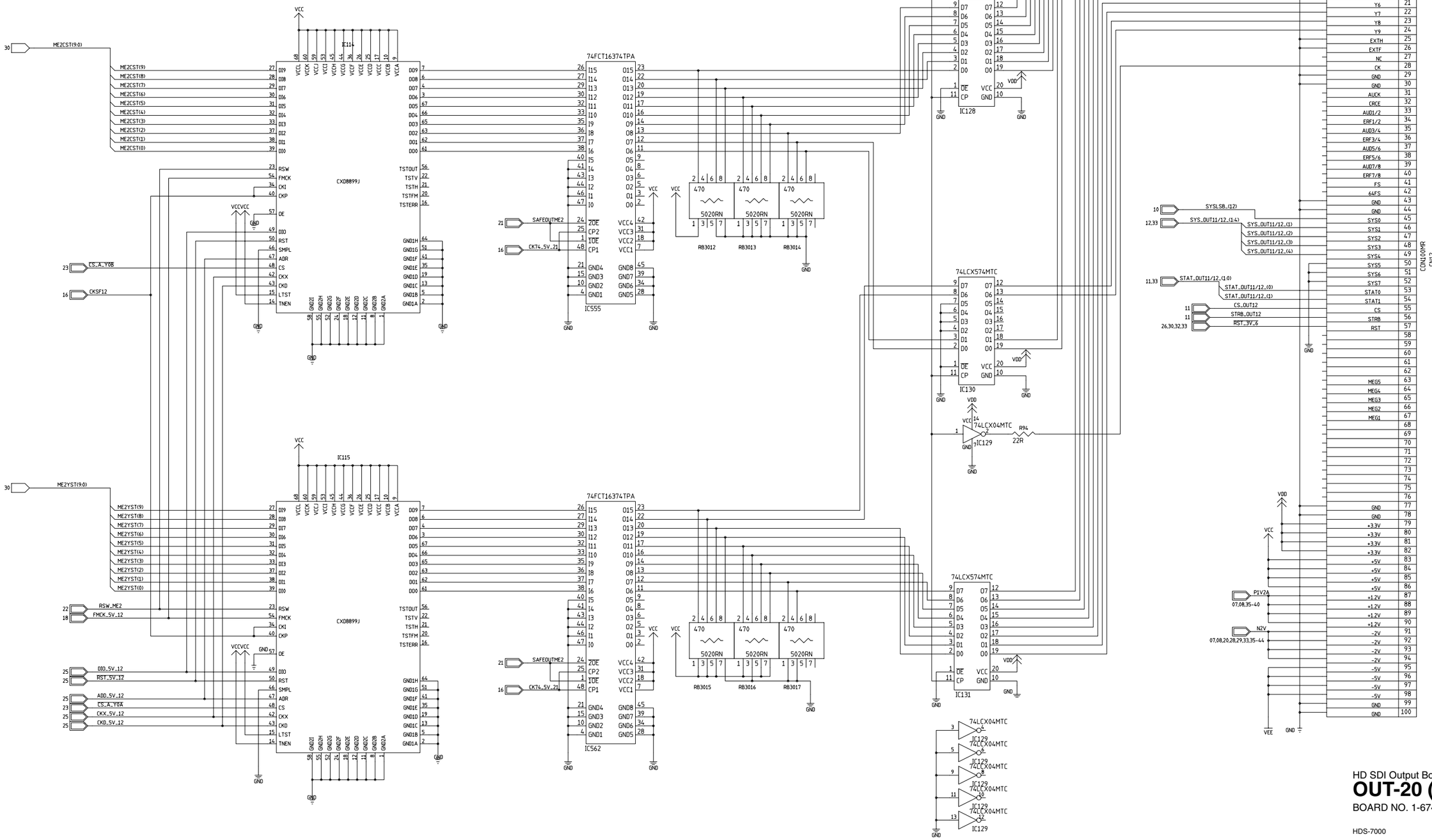
HD SDI Output Board

OUT-20 (30/44)

BOARD NO. 1-674-231-13

HDS-7000

OUT-20 (31/44)



HD SDI Output Board

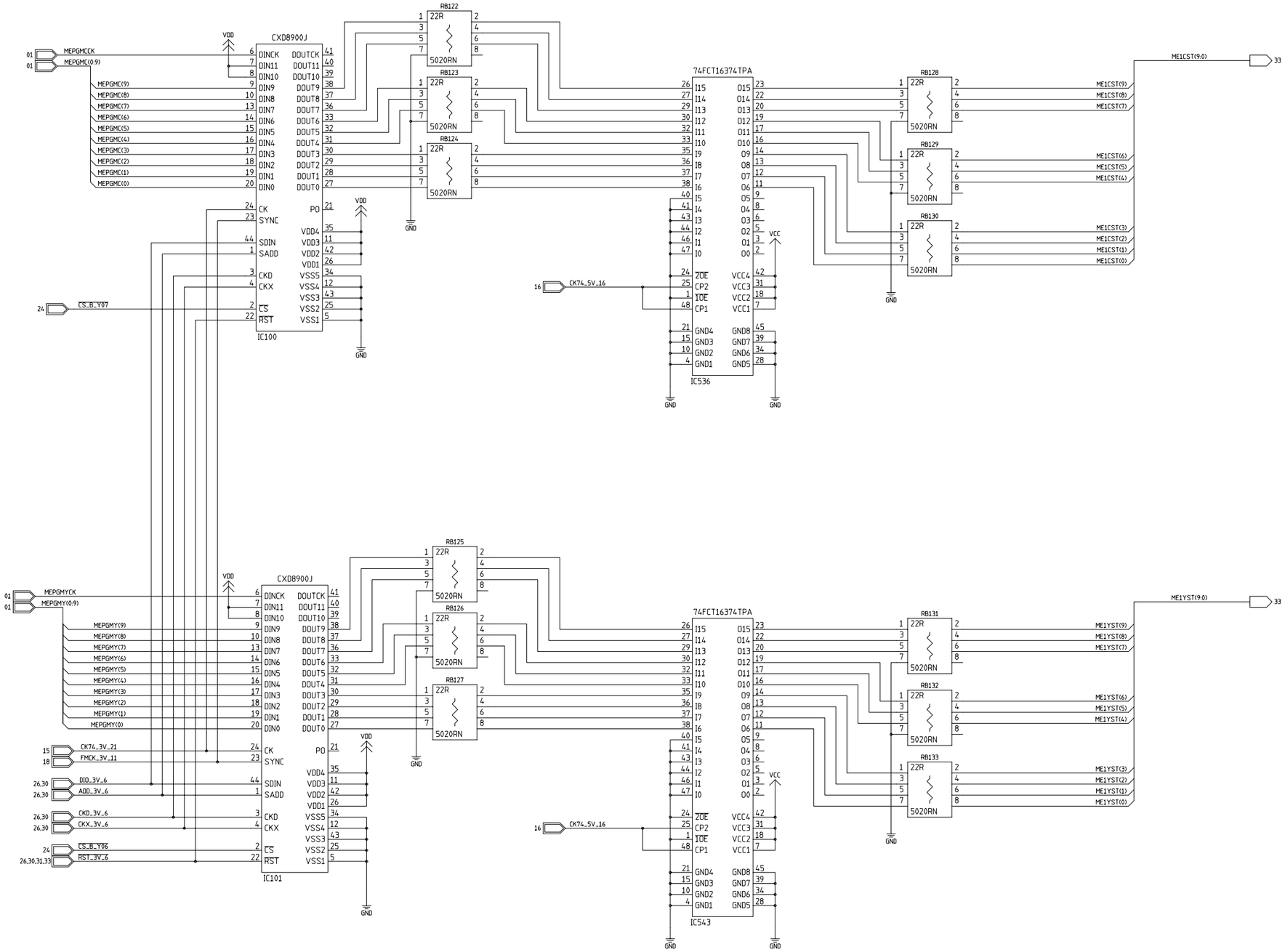
OUT-20 (31/44)

BOARD NO. 1-674-231-13

HDS-7000

OUT-20 (32/44)

<ME1 PGM>

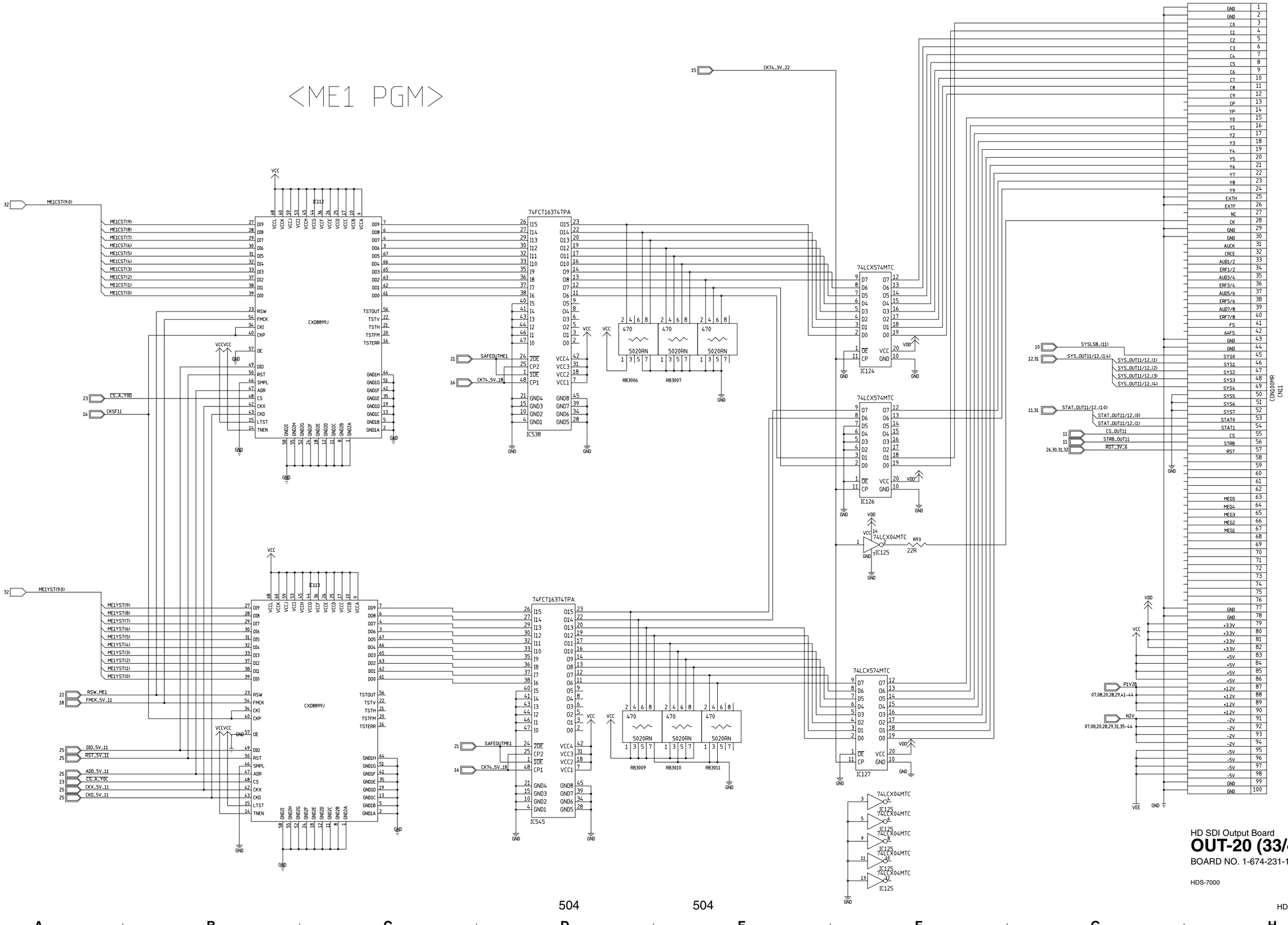


503

HD SDI Output Board
OUT-20 (32/44)
BOARD NO. 1-674-231-13

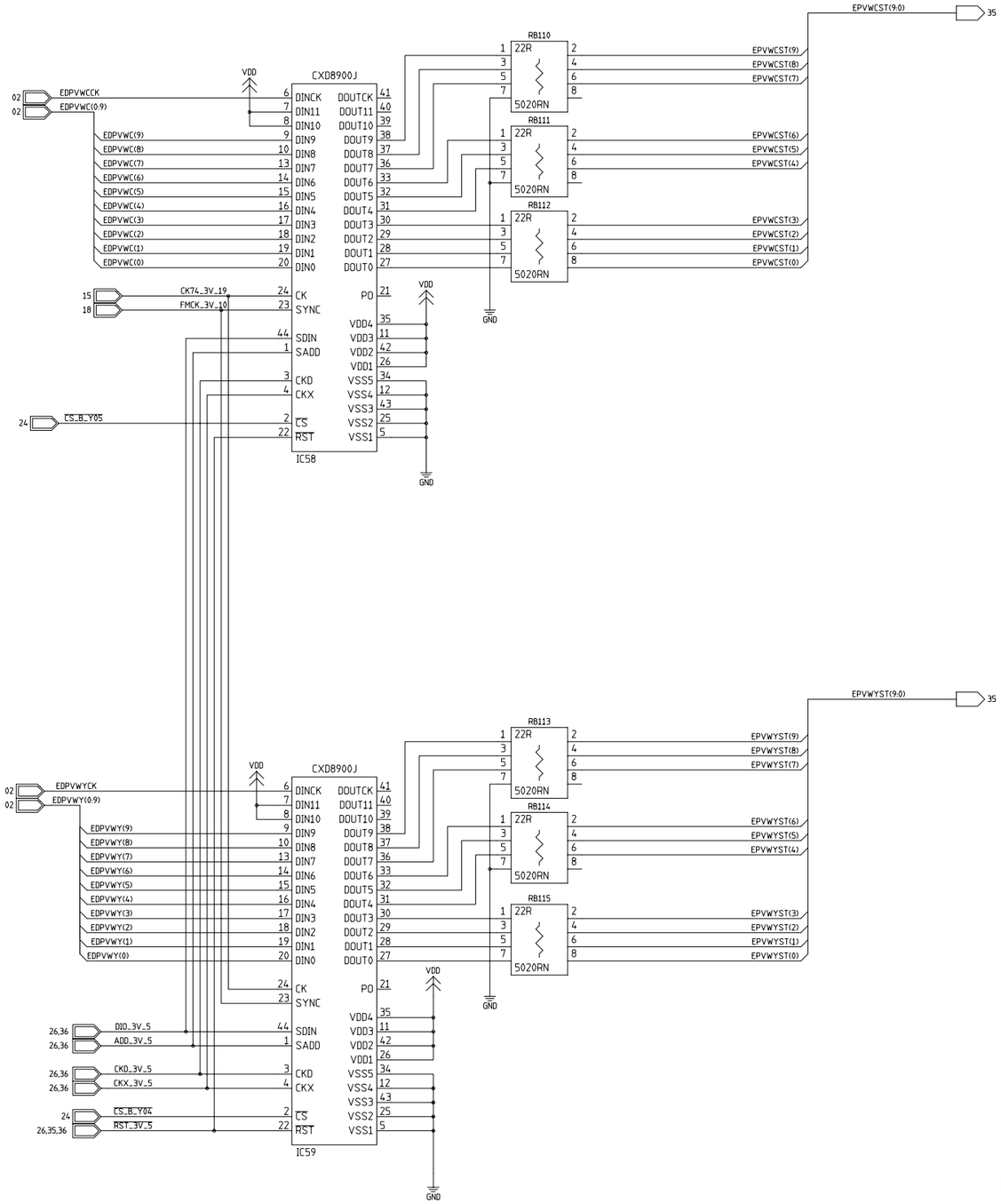
HDS-7000

OUT-20 (33/44)


<ME1 PGM>
IC112
CXD8899J
ME1CST(9:0)
IC113
ME1YST(9:0)
74FCT16374TPA
IC538
IC545
74LCX574MTC
IC124
IC126
IC127
74LCX04MTC
IC125
5020RN
RB3006
RB3007
RB3009
RB3010
RB3011
CK74_3V_22
CK74_5V_18
SAFEOUTME1
CS_A_Y00
CKSF11
RSW_ME1
FMCK_5V_11
DI0_5V_11
RST_5V_11
ADD_5V_11
CKX_5V_11
CKD_5V_11
SYSLSB_(11)
SYS_OUT11/12_(1:4)
STAT_OUT11/12_(1:0)
CS_OUT11
STRB_OUT11
RST_3V_6
P1V2B
N2V
CN100MR
CN11
HD SDI Output Board
OUT-20 (33/44)
BOARD NO. 1-674-231-13
HDS-7000
504
504
HDS-7000

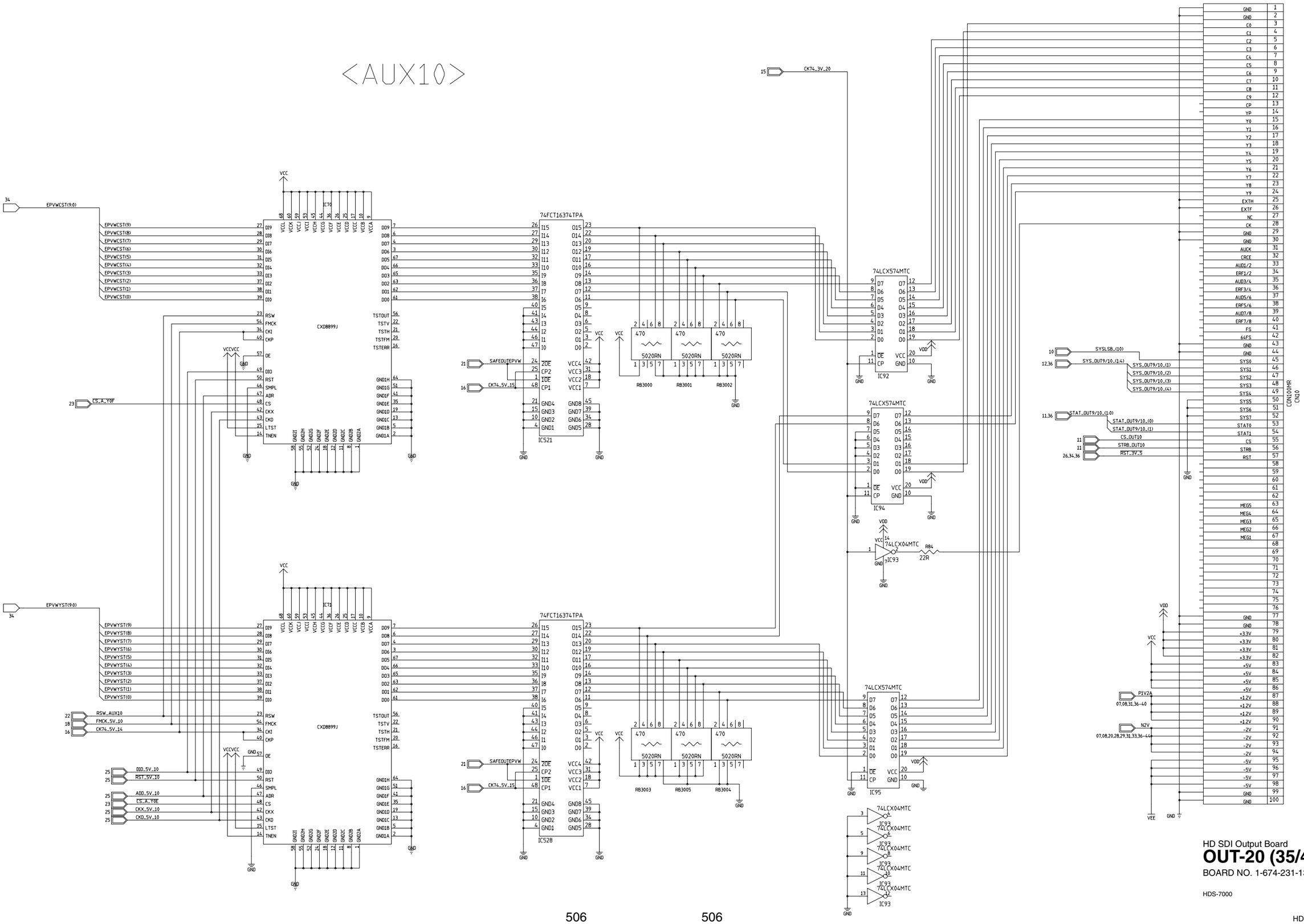
OUT-20 (34/44)

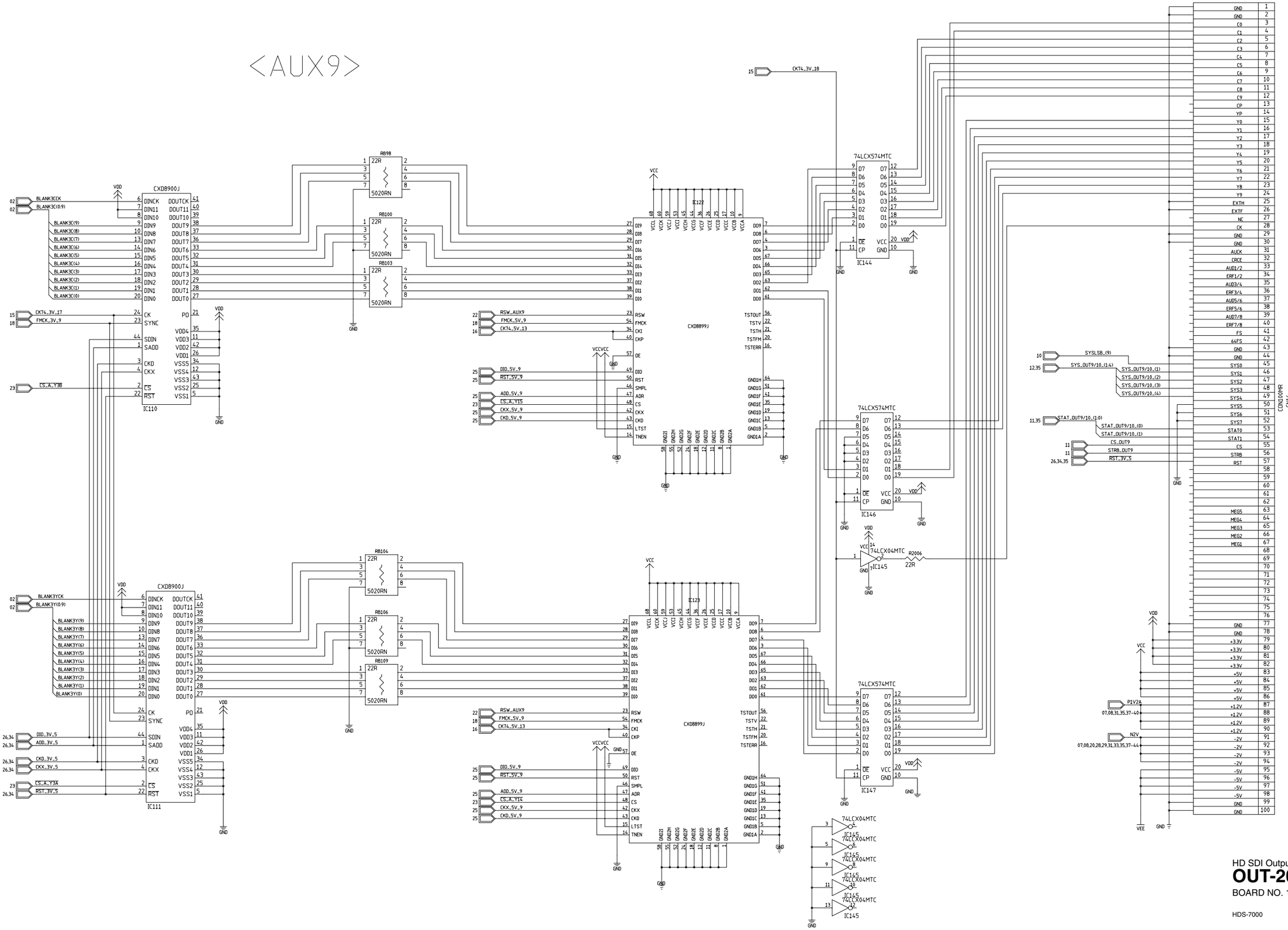
<AUX10>



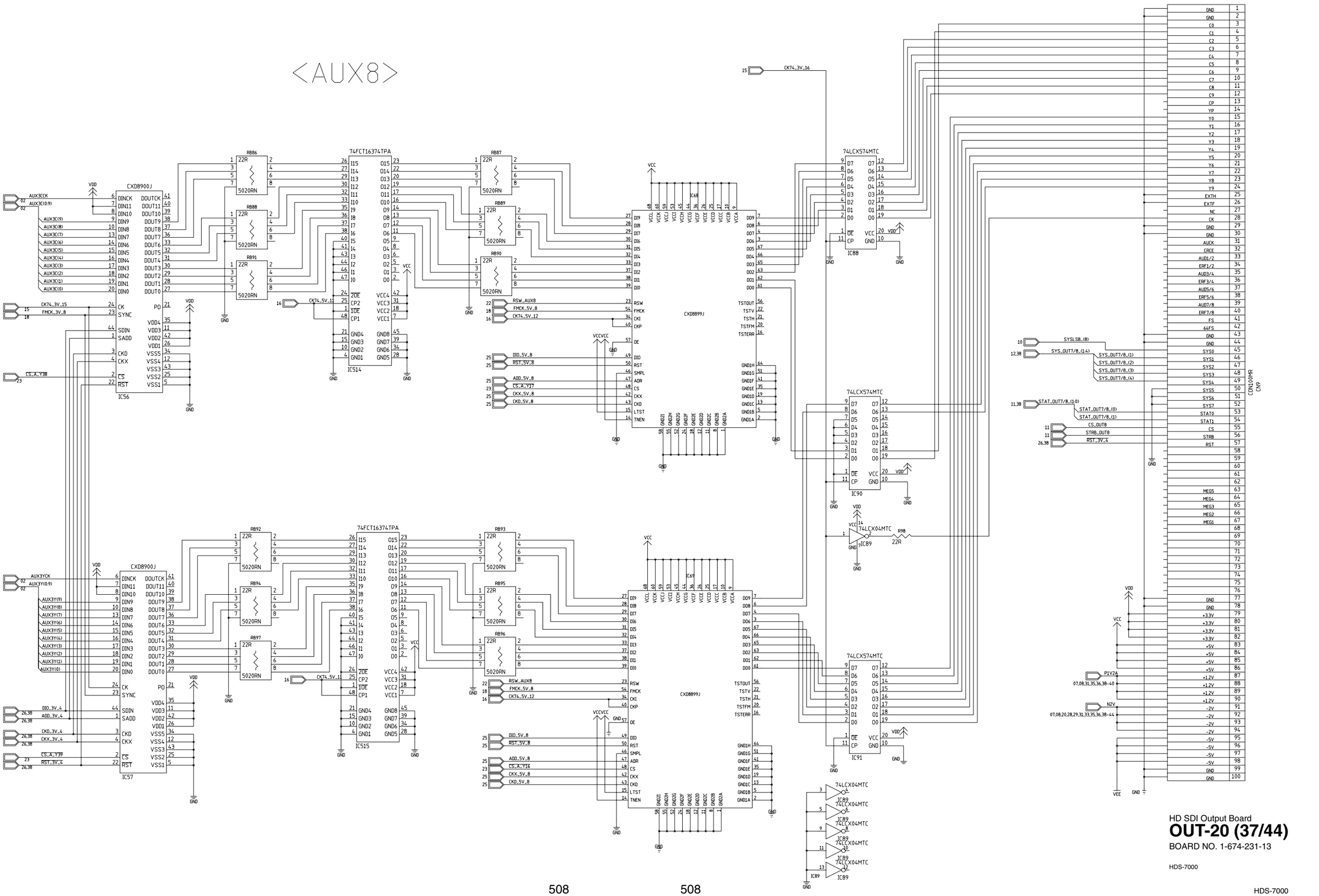
HD SDI Output Board
OUT-20 (34/44)
BOARD NO. 1-674-231-13

HDS-7000


<AUX10>
CXD8899J
IC70
IC71
74FCT16374TPA
IC521
IC528
74LCX574MTC
IC92
IC94
IC95
74LCX04MTC
IC93
5020RN
RB3000
RB3001
RB3002
RB3003
RB3004
RB3005
R84 22R
CON100MR
CN10
EPVWCST(9:0)
EPVWYST(9:0)
CS_A_Y0E
SAFEOUTEPVW
CK74_5V_15
CK74_3V_20
SYSLSB_(10)
SYS_OUT9/10_(1:4)
STAT_OUT9/10_(1:0)
CS_OUT10
STRB_OUT10
RST_3V_5
P1V2A
N2V
HD SDI Output Board
OUT-20 (35/44)
BOARD NO. 1-674-231-13
HDS-7000
506
506

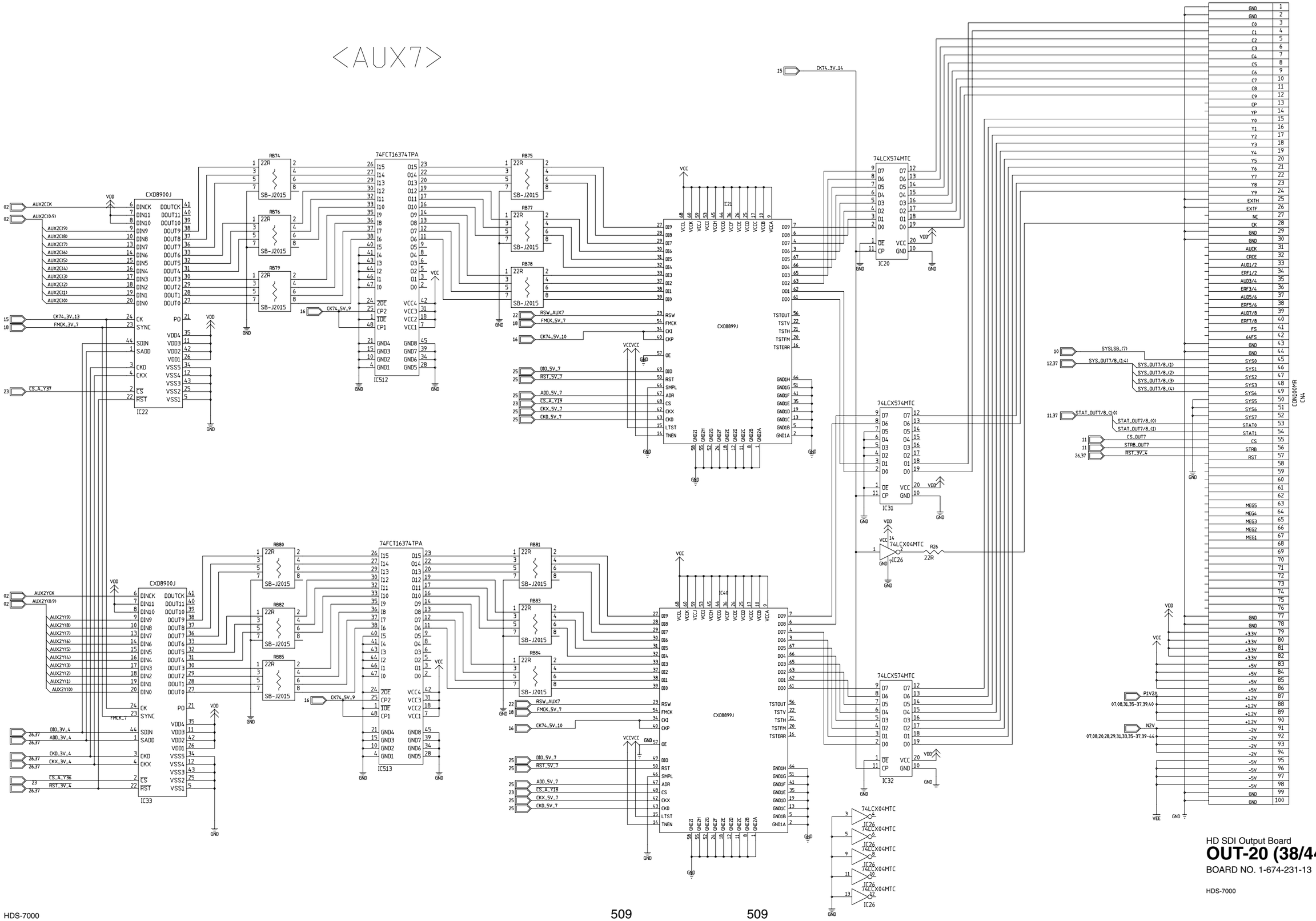

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CXD8900J
IC110
IC111
CXD8899J
IC122
IC123
74LCX574MTC
IC144
IC146
IC147
74LCX04MTC
IC145
R2006
22R
5020RN
RB98
RB100
RB103
RB104
RB106
RB109
BLANK3CCK
BLANK3C(0:9)
BLANK3Y(0:9)
CK74_3V_17
FMCK_3V_9
CS_A_Y3B
RSW_AUX9
FMCK_5V_9
CK74_5V_13
DIO_5V_9
RST_5V_9
ADD_5V_9
CS_A_Y15
CKX_5V_9
CKD_5V_9
CK74_3V_18
SYSLSB_(9)
SYS_OUT9/10_(1:4)
STAT_OUT9/10_(1:0)
CS_OUT9
STRB_OUT9
RST_3V_5
P1V2A
N2V
CON1500MR
CN16
HD SDI Output Board
OUT-20 (36/44)
BOARD NO. 1-674-231-13
HDS-7000
507
507

OUT-20 (37/44)


<AUX8>
CXD8900J
IC56
74FCT16374TPA
IC514
CXD8899J
IC68
74LCX574MTC
IC88
IC90
IC91
74LCX04MTC
IC89
IC57
IC515
IC69
CN100MR
CN9
HD SDI Output Board
OUT-20 (37/44)
BOARD NO. 1-674-231-13
HDS-7000
508
508

OUT-20 (38/44)

<AUX7>



HD SDI Output Board

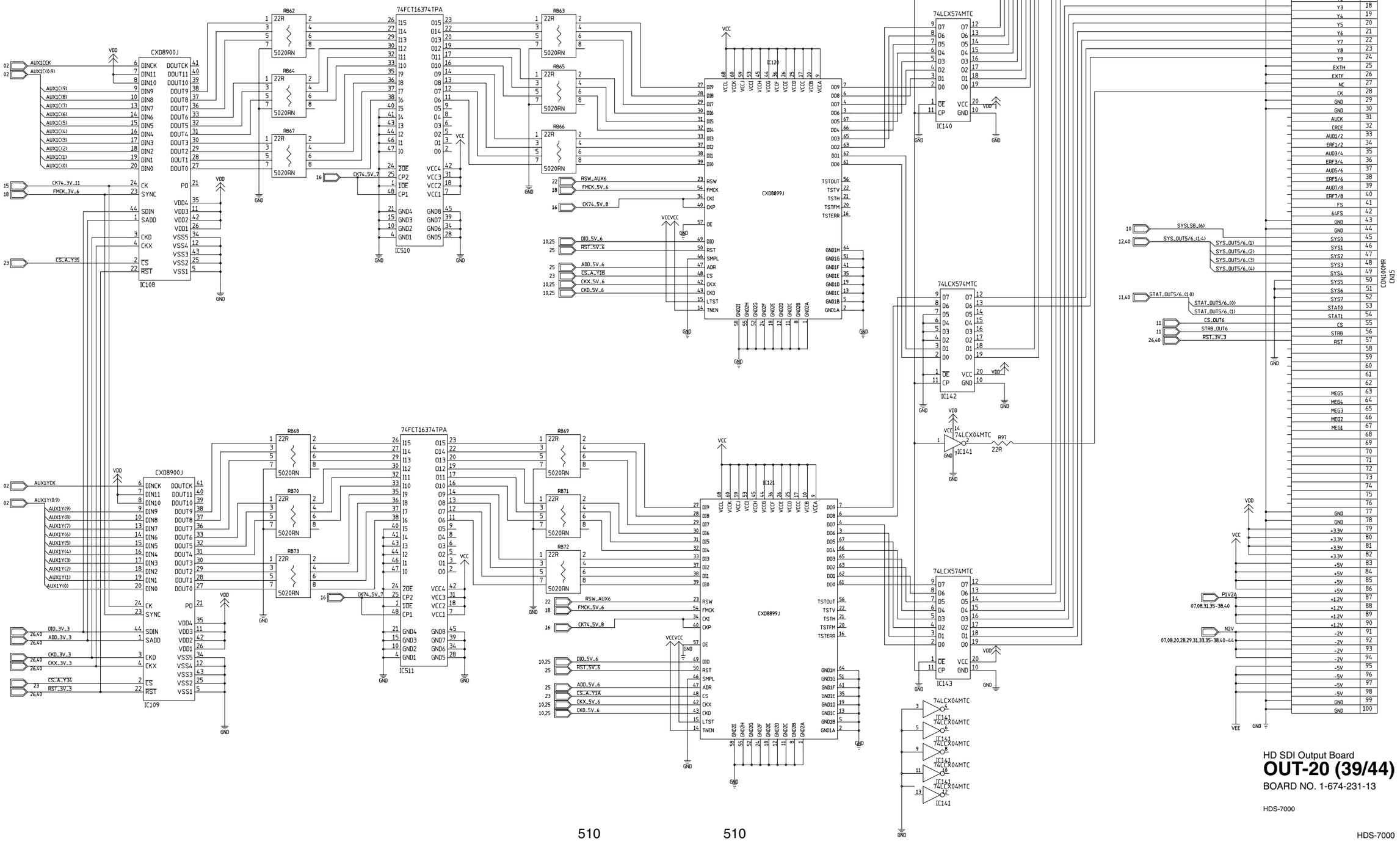
OUT-20 (38/44)

BOARD NO. 1-674-231-13

HDS-7000

OUT-20 (39/44)

<AUX6>



510 510

HD SDI Output Board

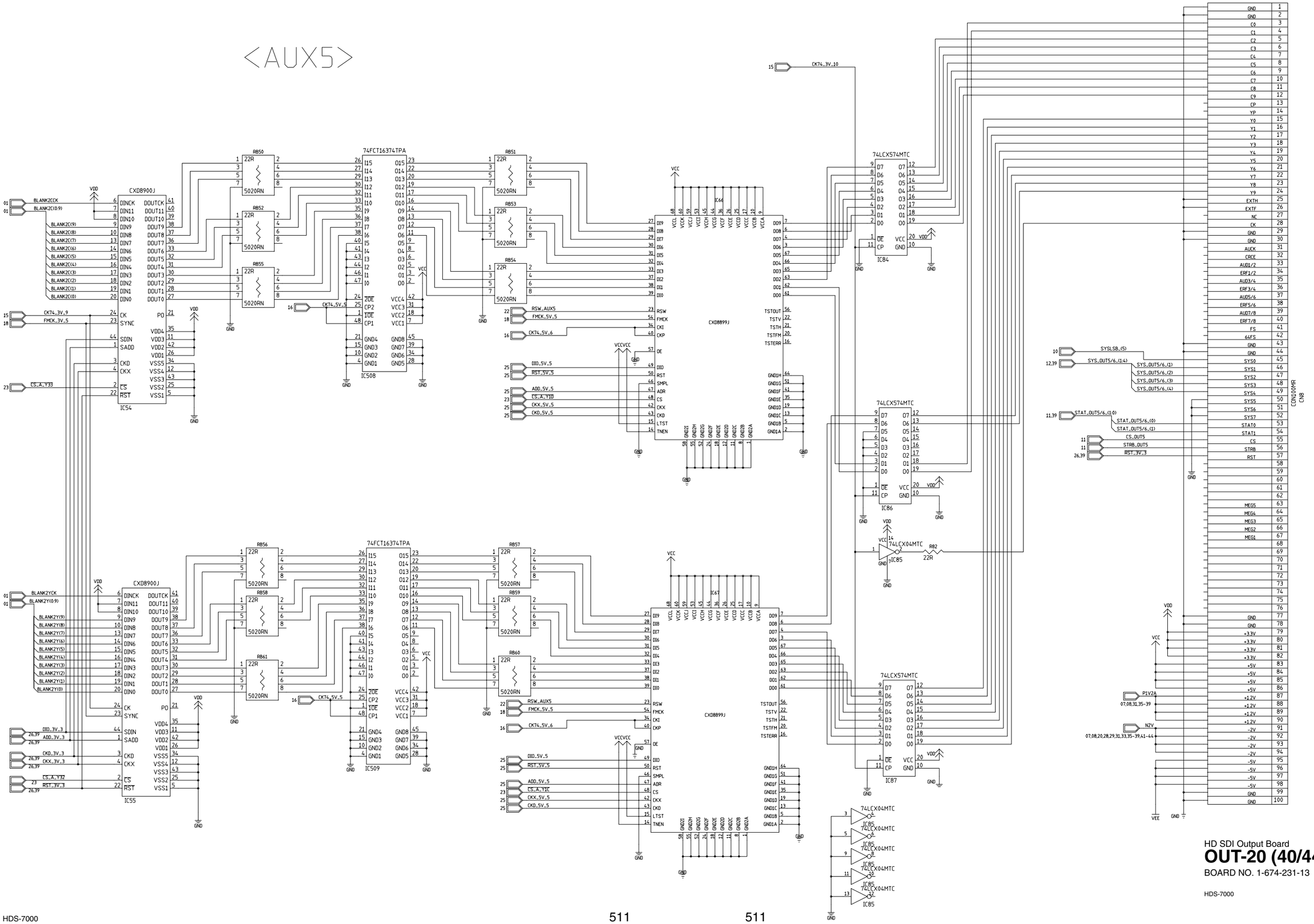
OUT-20 (39/44)

BOARD NO. 1-674-231-13

HDS-7000

HDS-7000

OUT-20 (40/44)

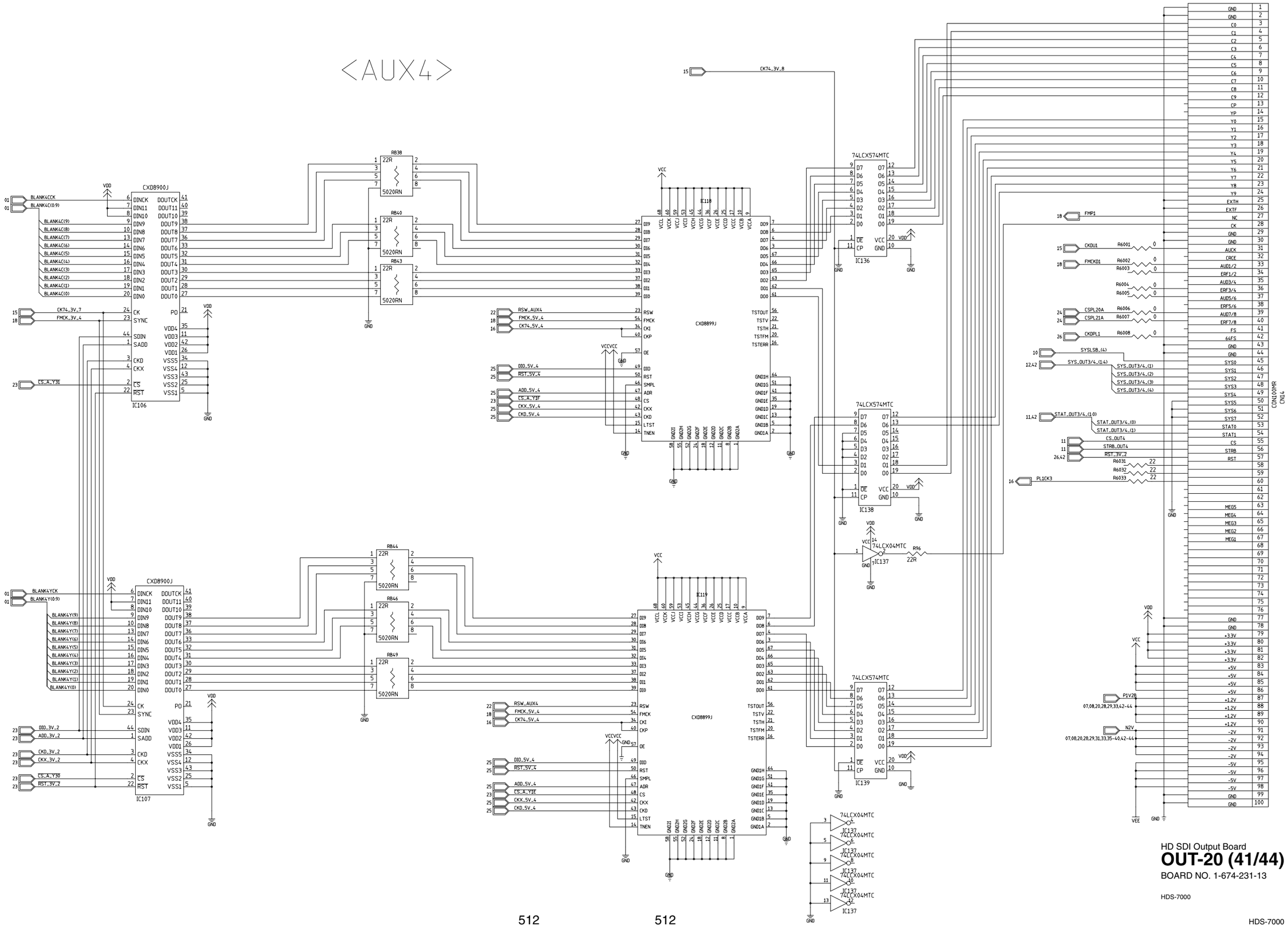


HD SDI Output Board

OUT-20 (40/44)

BOARD NO. 1-674-231-13

HDS-7000



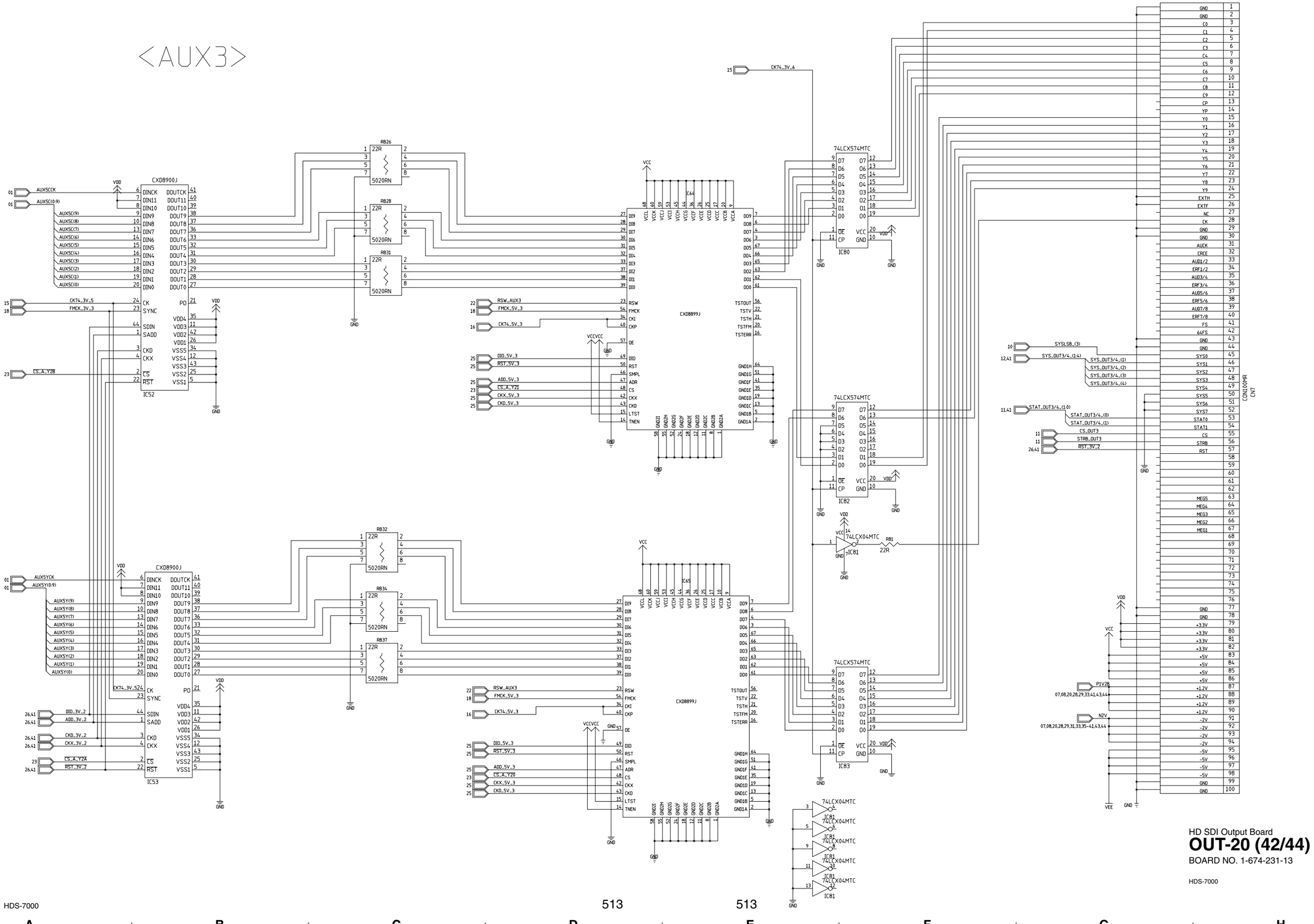
HD SDI Output Board

OUT-20 (41/44)

BOARD NO. 1-674-231-13

HDS-7000

OUT-20 (42/44)



HD SDI Output Board

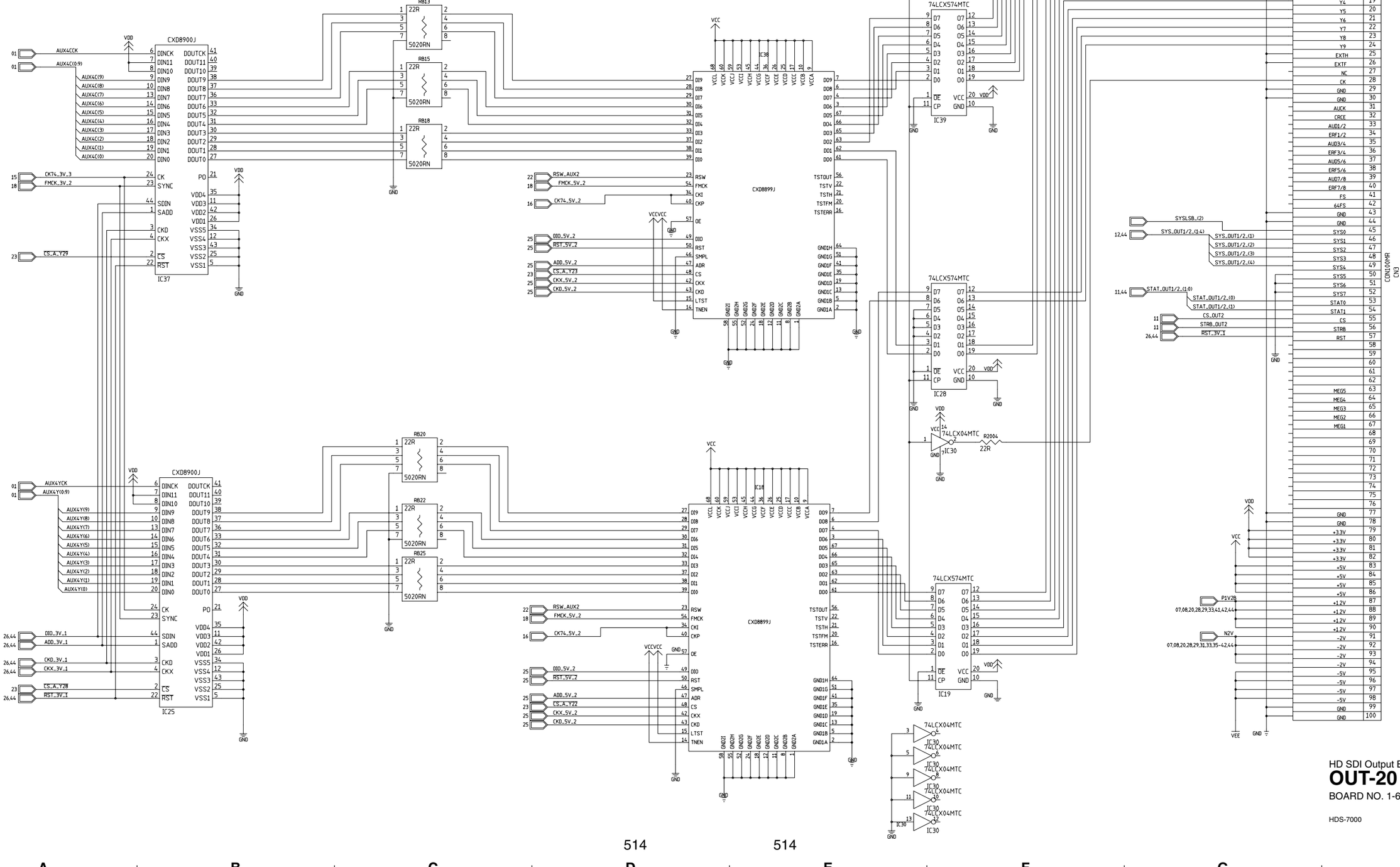
OUT-20 (42/44)

BOARD NO. 1-674-231-13

HDS-7000

OUT-20 (43/44)

<AUX2>



514

514

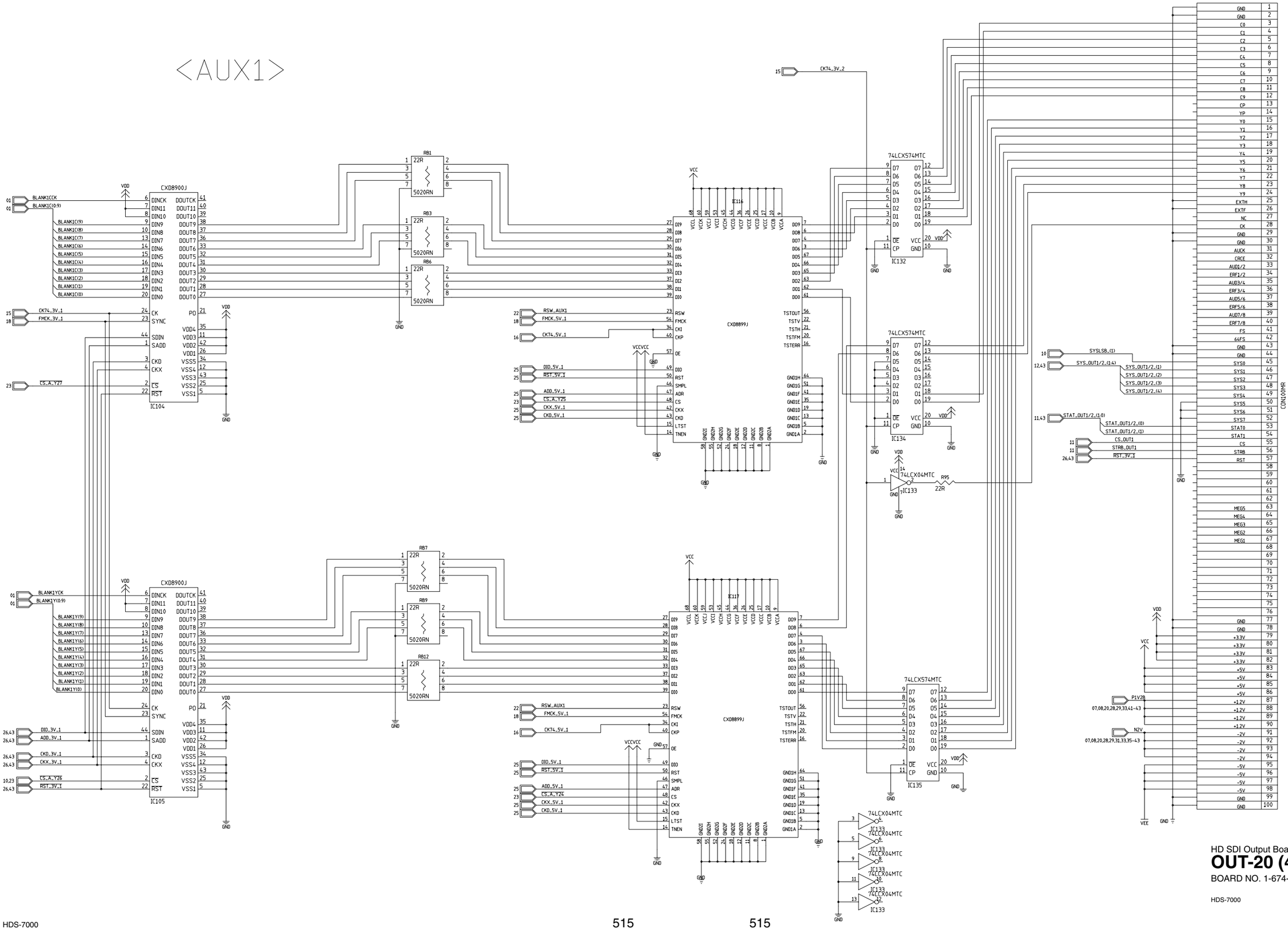
HD SDI Output Board

OUT-20 (43/44)

BOARD NO. 1-674-231-13

HDS-7000

HDS-7000

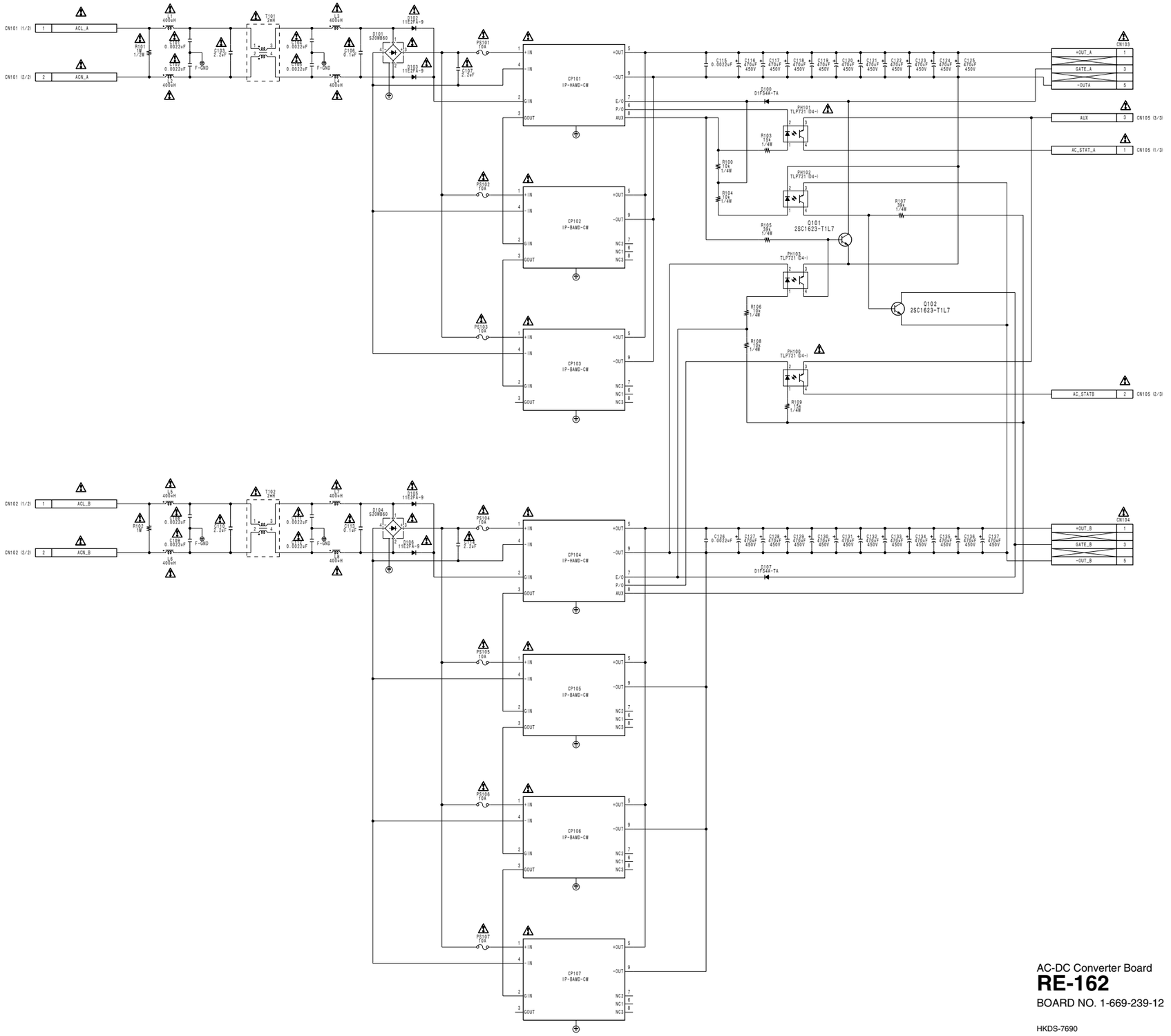


HD SDI Output Board

OUT-20 (44/44)

BOARD NO. 1-674-231-13

HDS-7000



AC-DC Converter Board

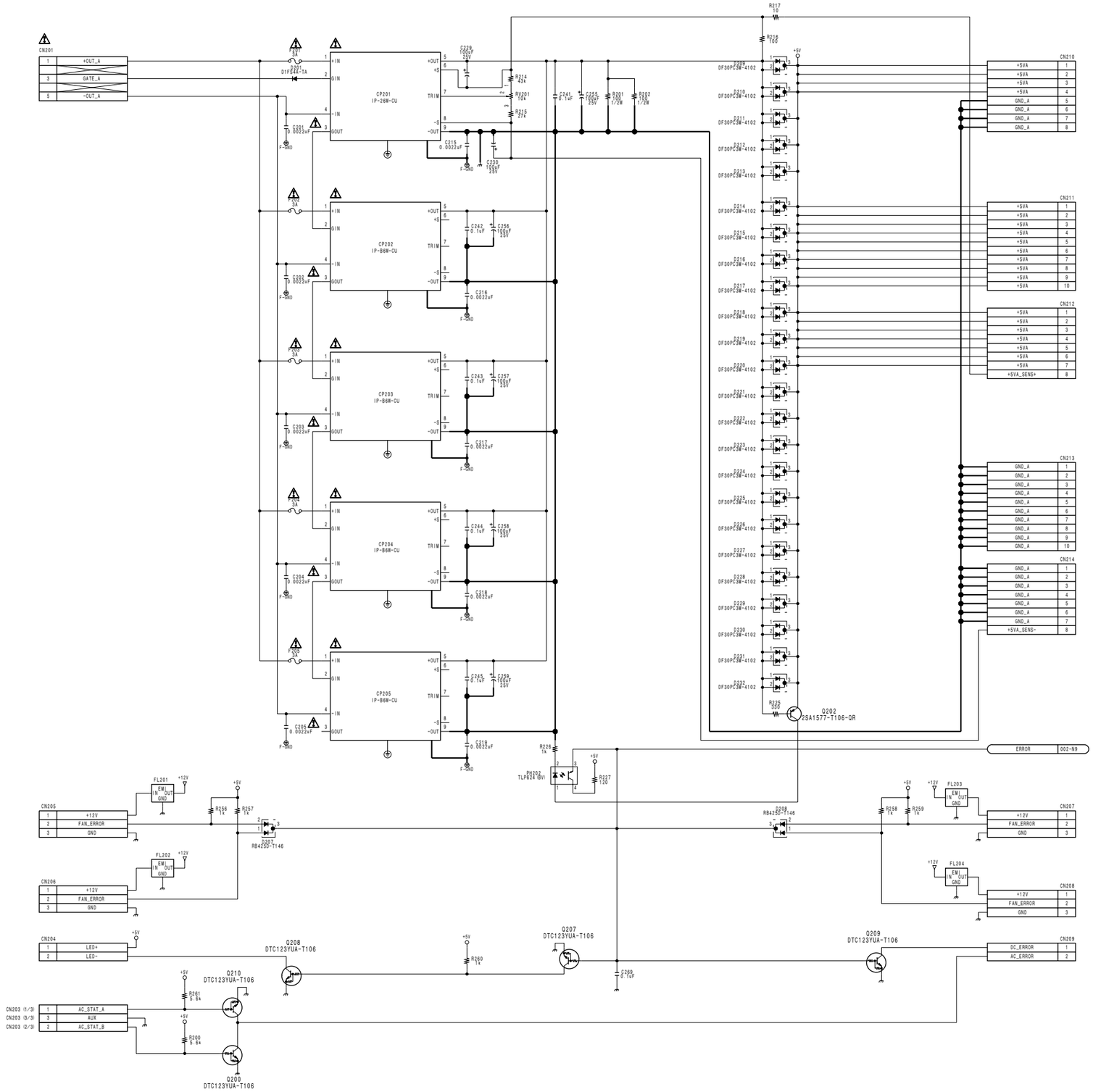
RE-162

BOARD NO. 1-669-239-12

HKDS-7690

HDS-7000

516 516



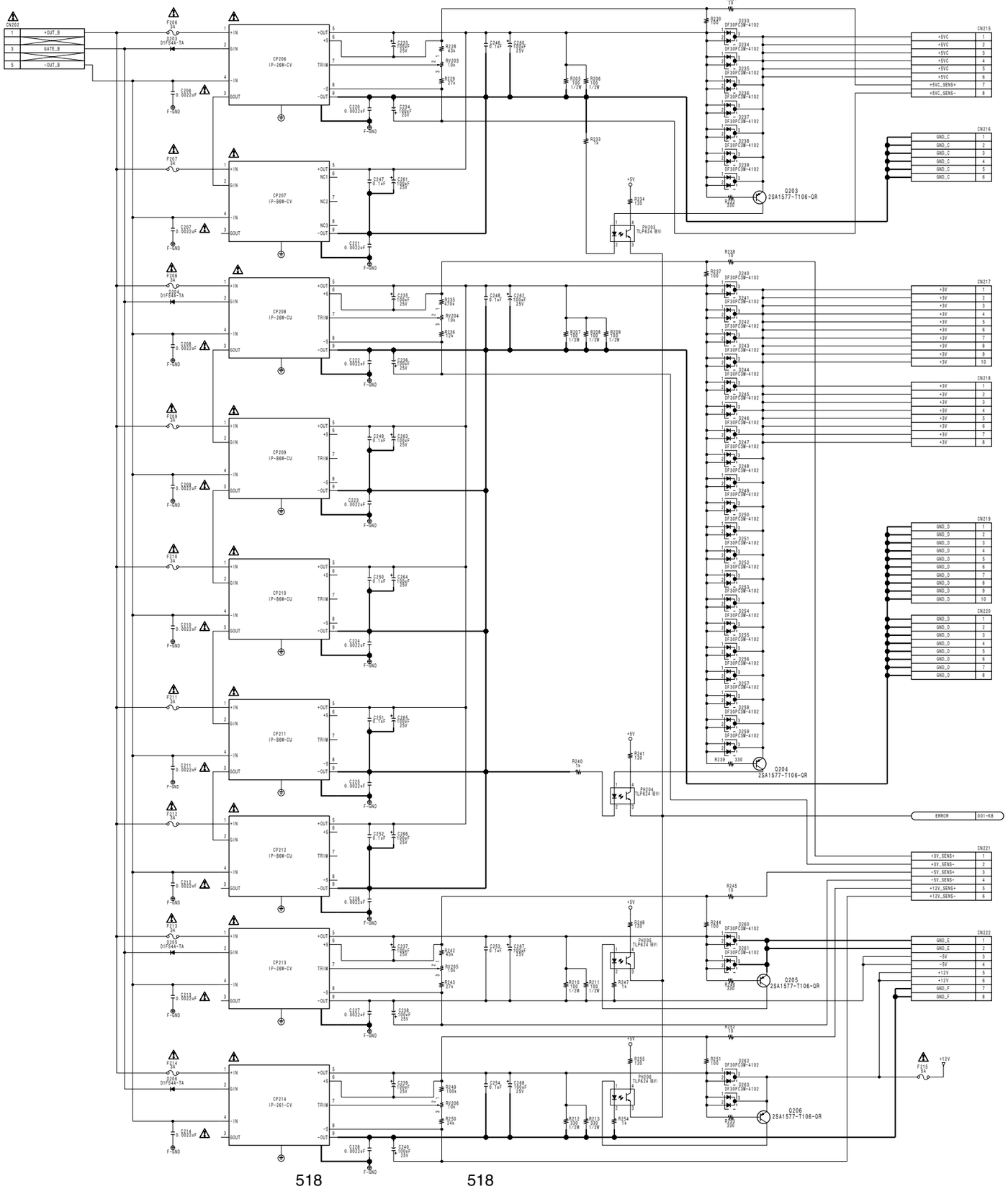
DC-DC Converter Board

RE-163 (1/2)

BOARD NO. 1-669-240-13

HKDS-7690

RE-163 (2/2)



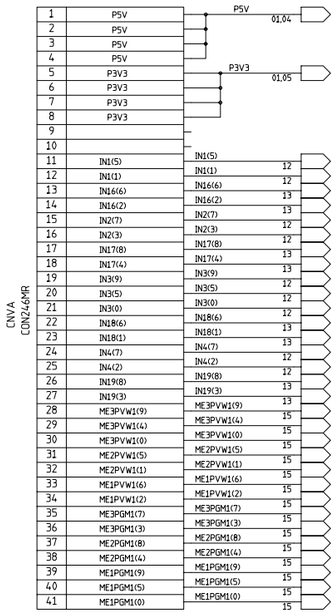
518 518

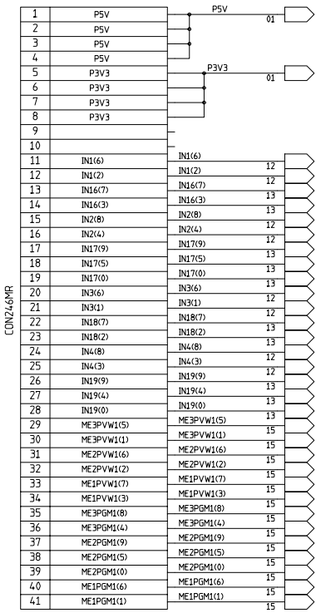
DC-DC Converter Board
RE-163 (2/2)
BOARD NO. 1-669-240-13

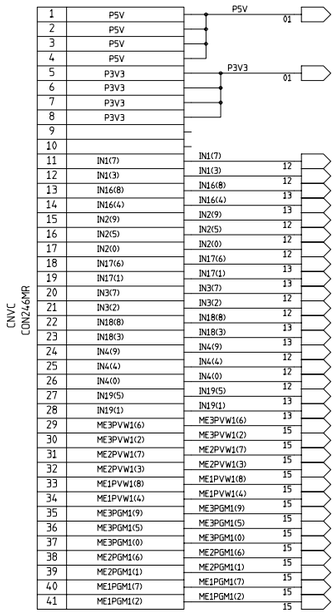
HKDS-7690

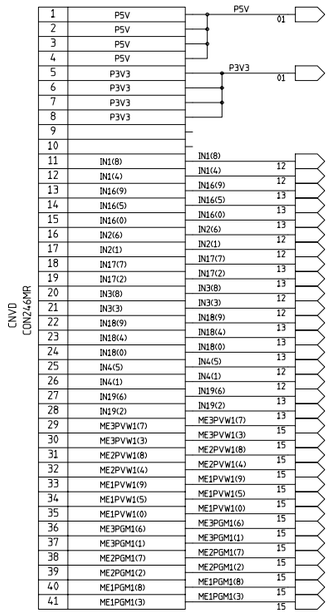
HDS-7000

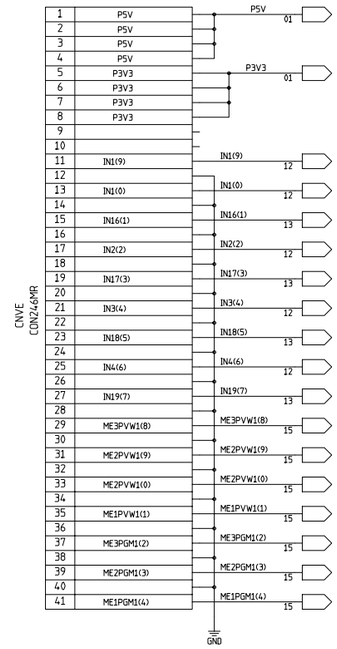
VSW-33 (1/39)

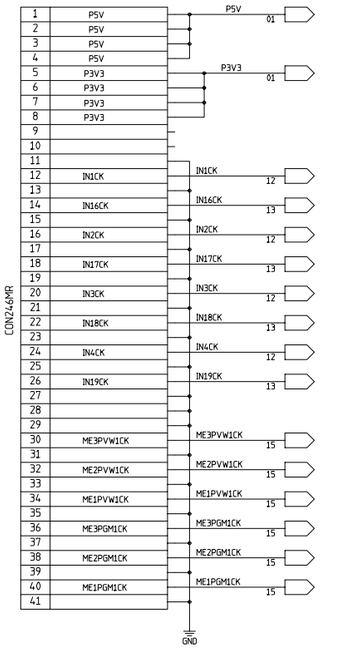


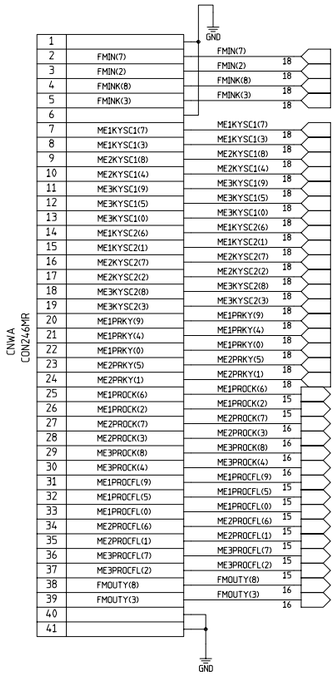


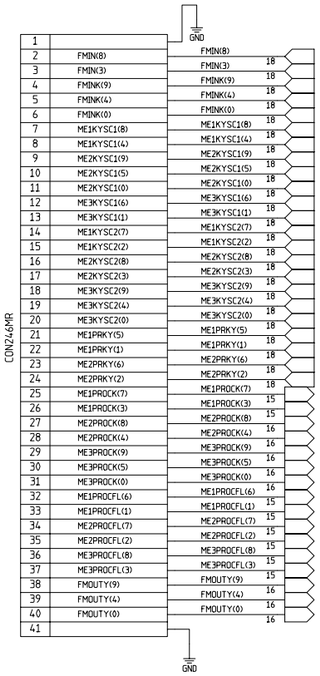


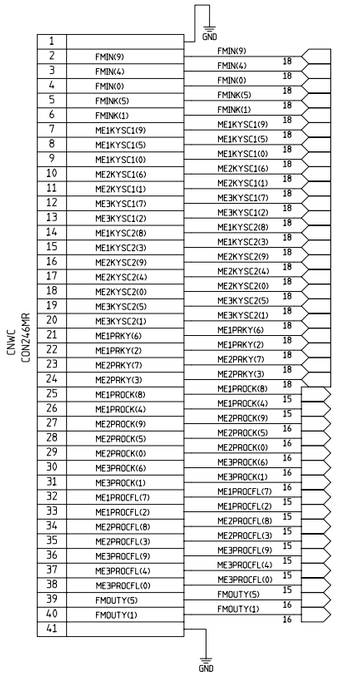


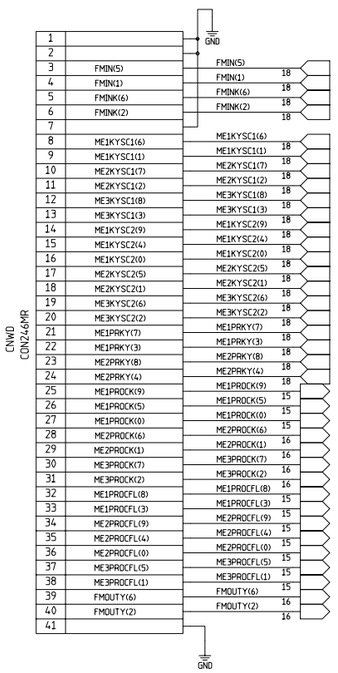


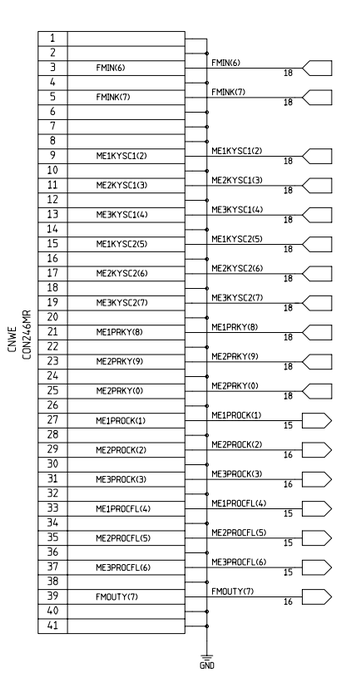


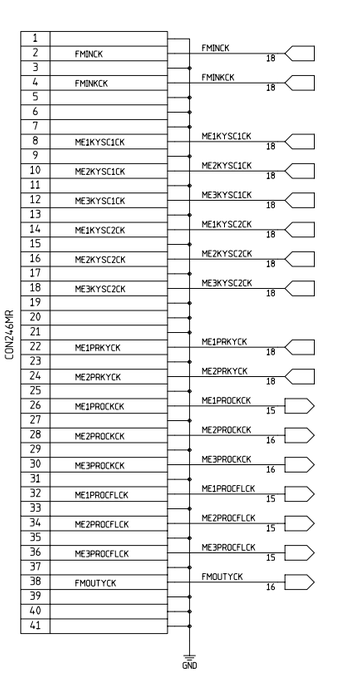












Crosspoint Board
VSW-33 (1/39)
BOARD NO. 1-645-273-12

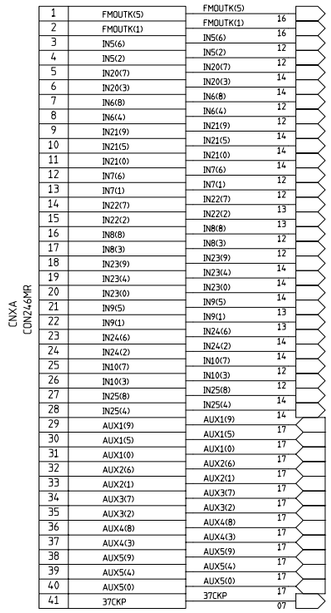
HDS-7000

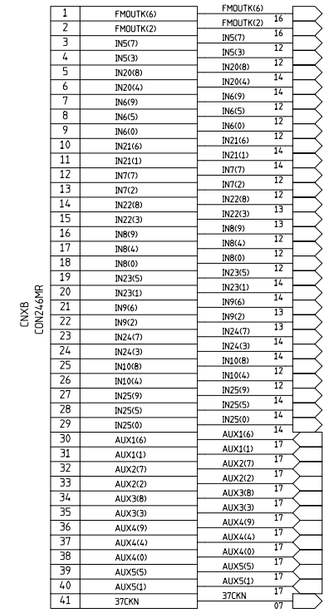
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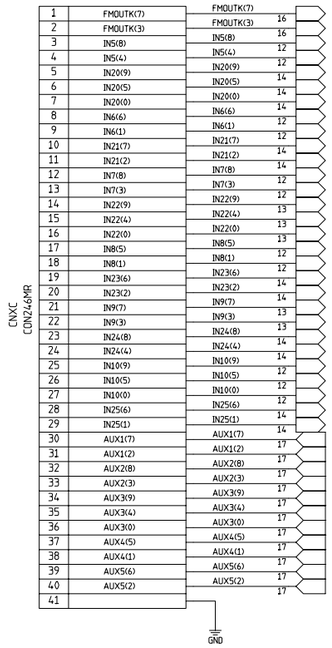
HDS-7000

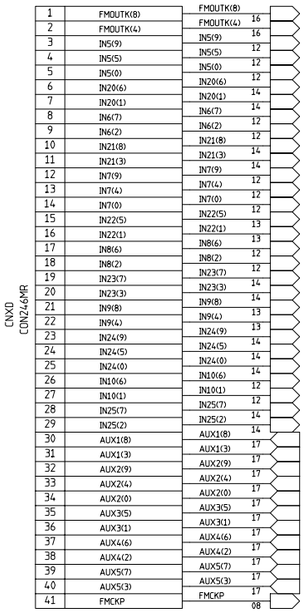
VSW-33 (2/39)

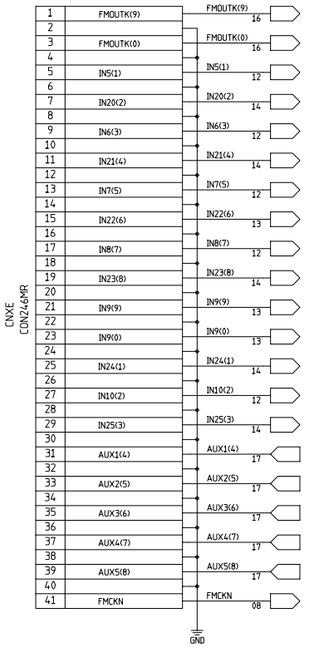
VSW-33 (2/39)

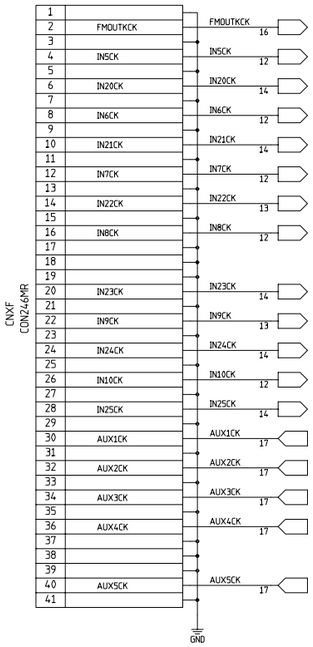


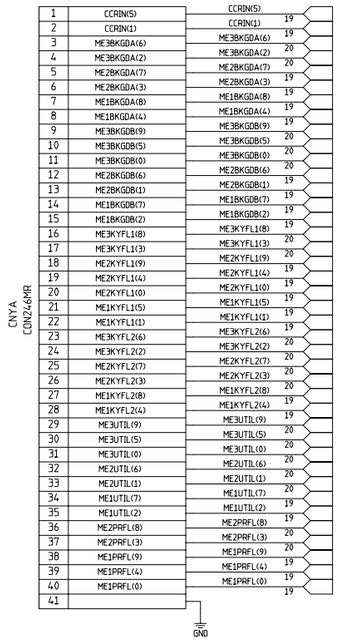


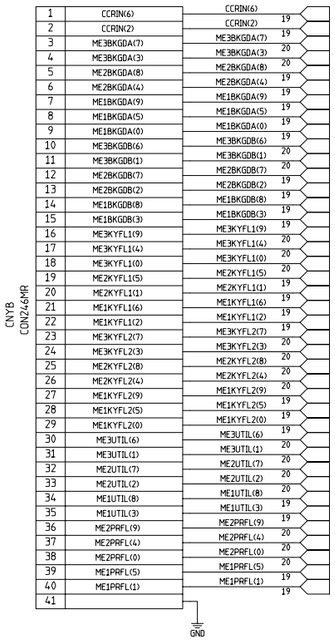


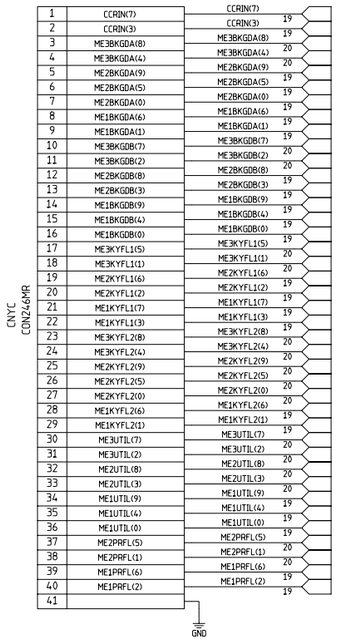


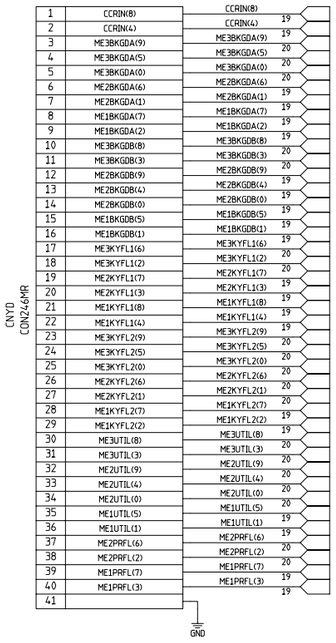


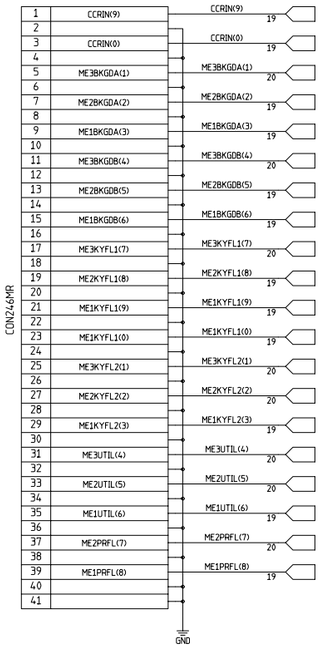


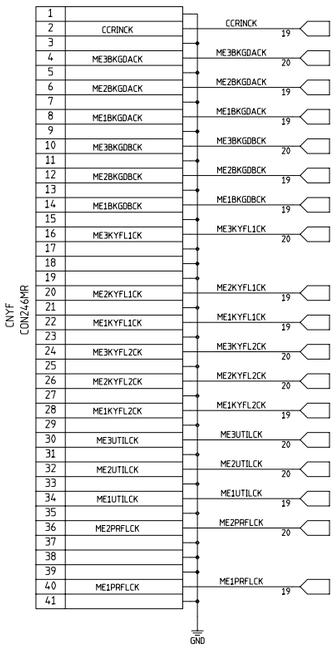












Crosspoint Board

VSW-33 (2/39)

BOARD NO. 1-645-273-12

HDS-7000

HDS-7000

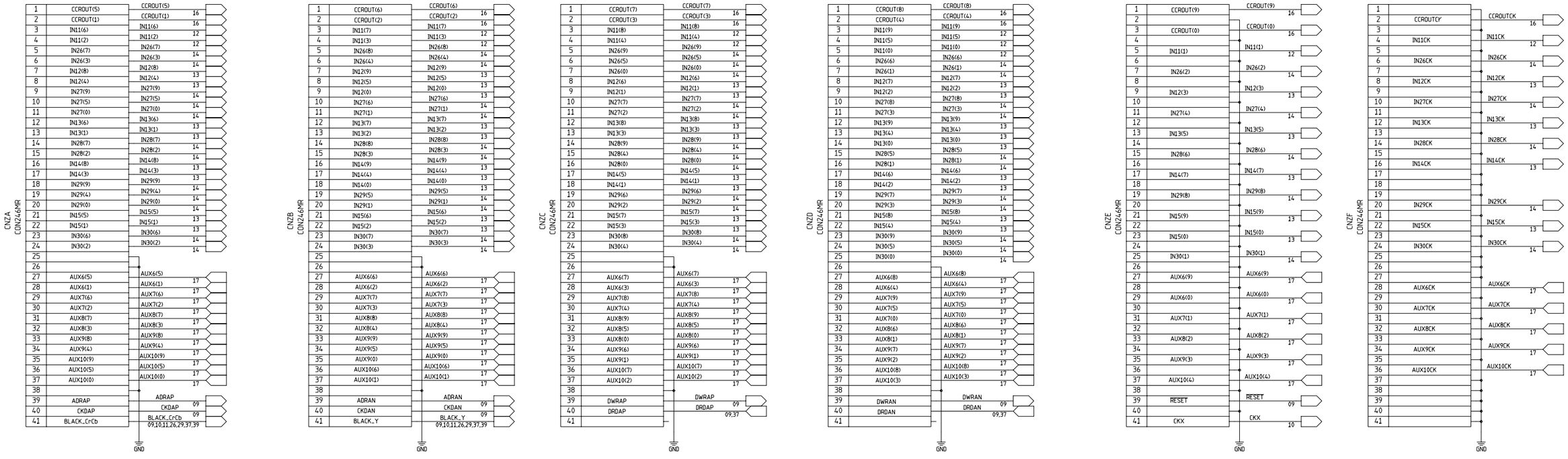
520

520

A B C D E F G H

1 2 3 4 5

VSW-33 (3/39)



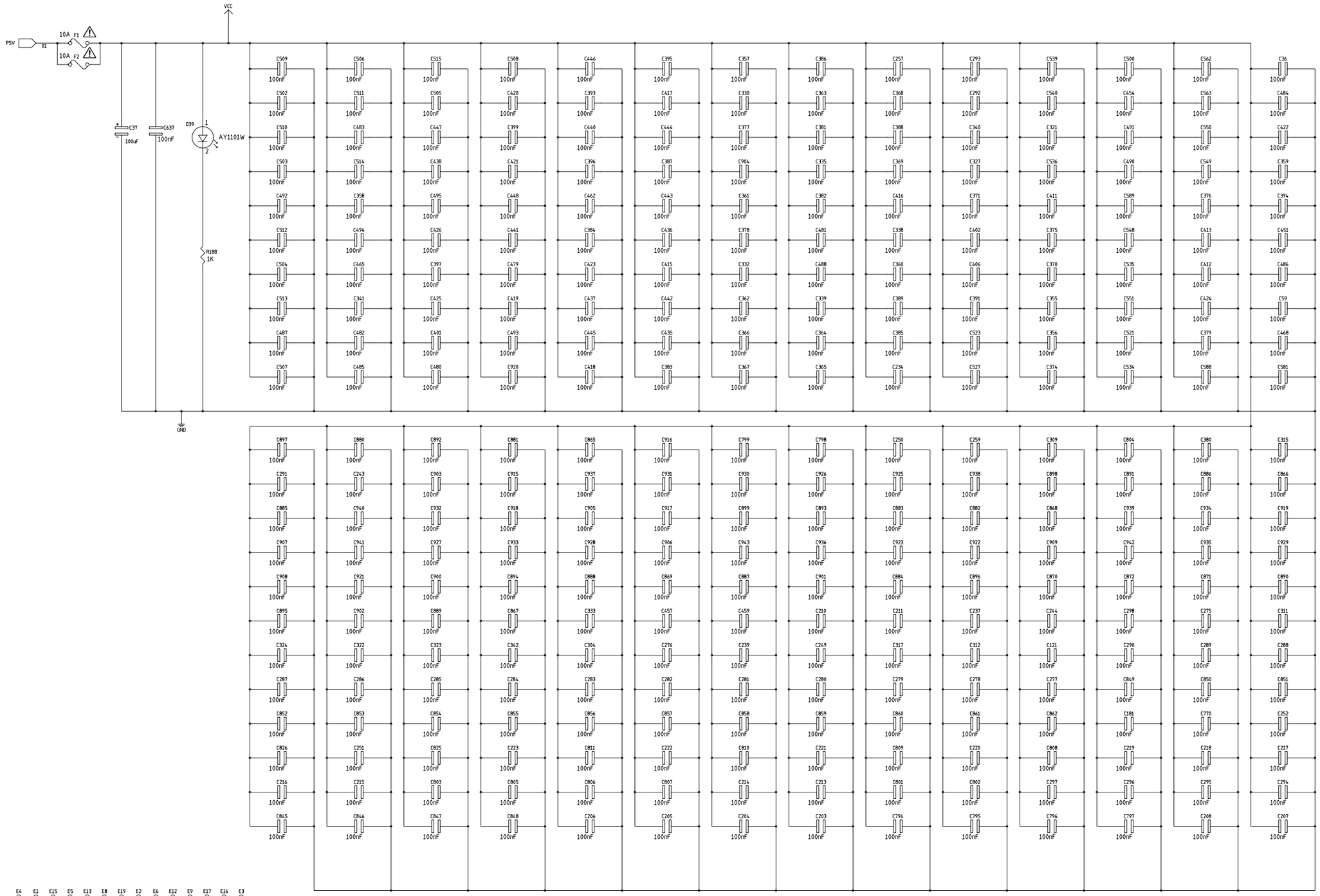
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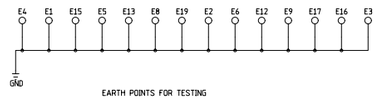
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Crosspoint Board
VSW-33 (3/39)
BOARD NO. 1-645-273-12

HDS-7000

VSW-33 (4/39)



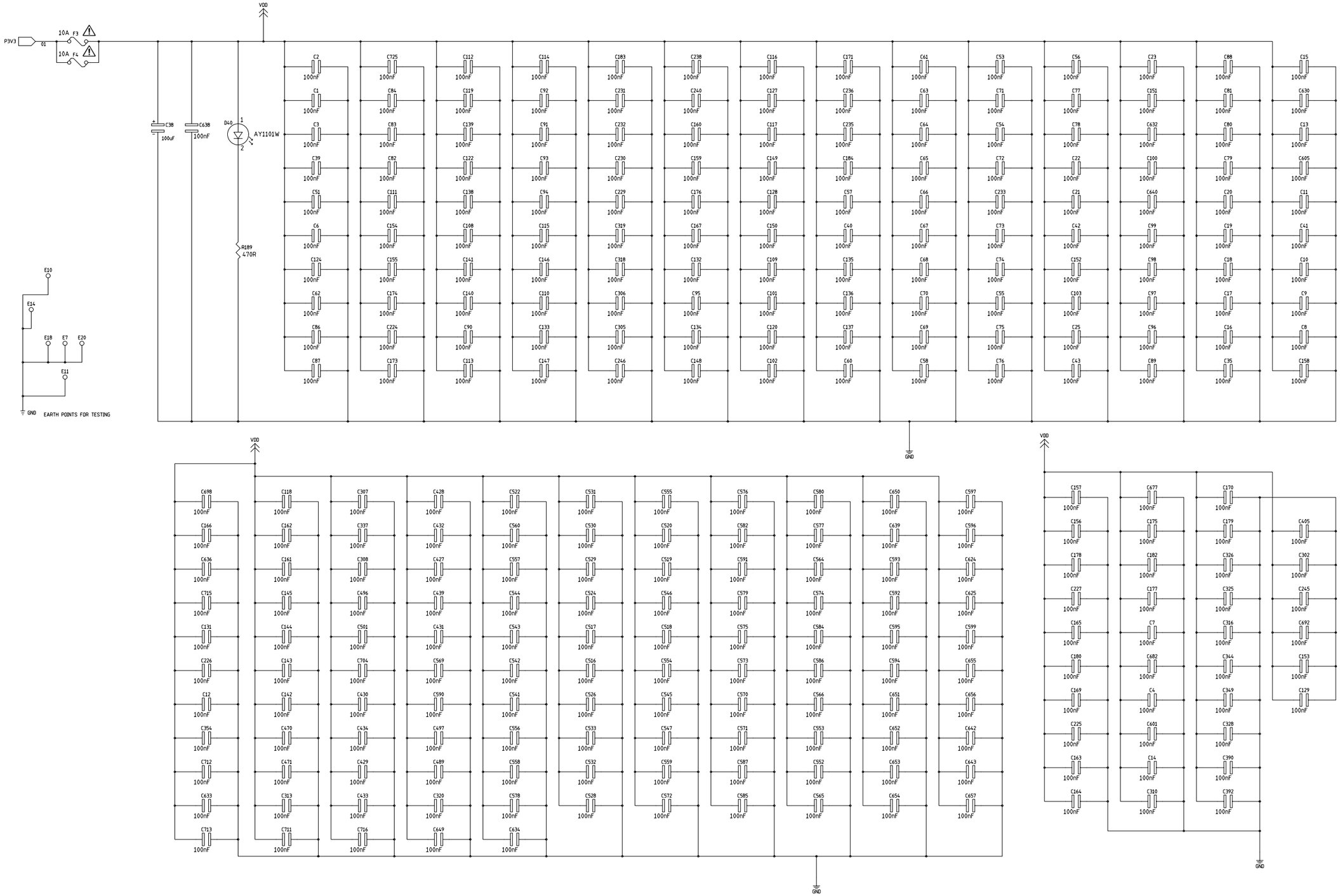


Crosspoint Board
VSW-33 (4/39)
BOARD NO. 1-645-273-12

HDS-7000

522
HDS-7000

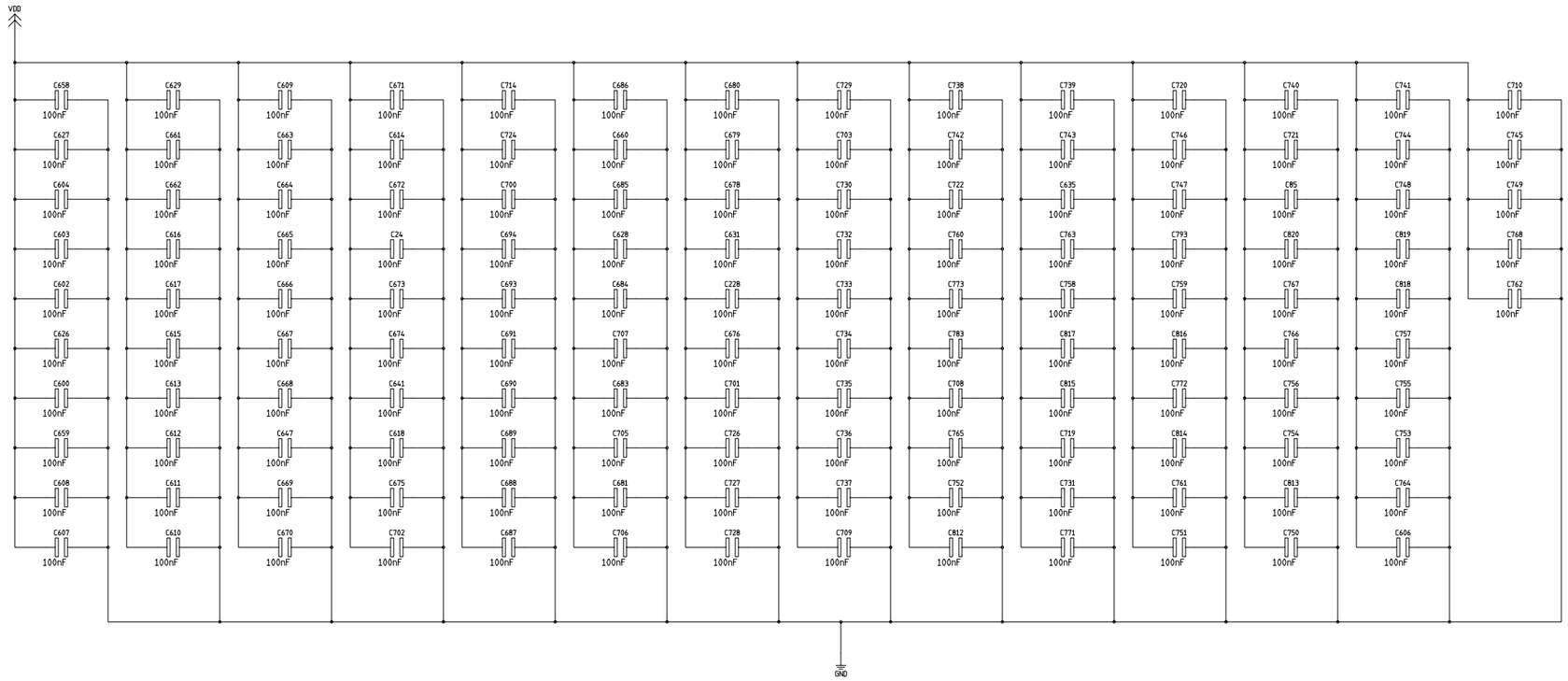
VSW-33 (5/39)



Crosspoint Board
VSW-33 (5/39)
BOARD NO. 1-645-273-12

HDS-7000

VSW-33 (6/39)



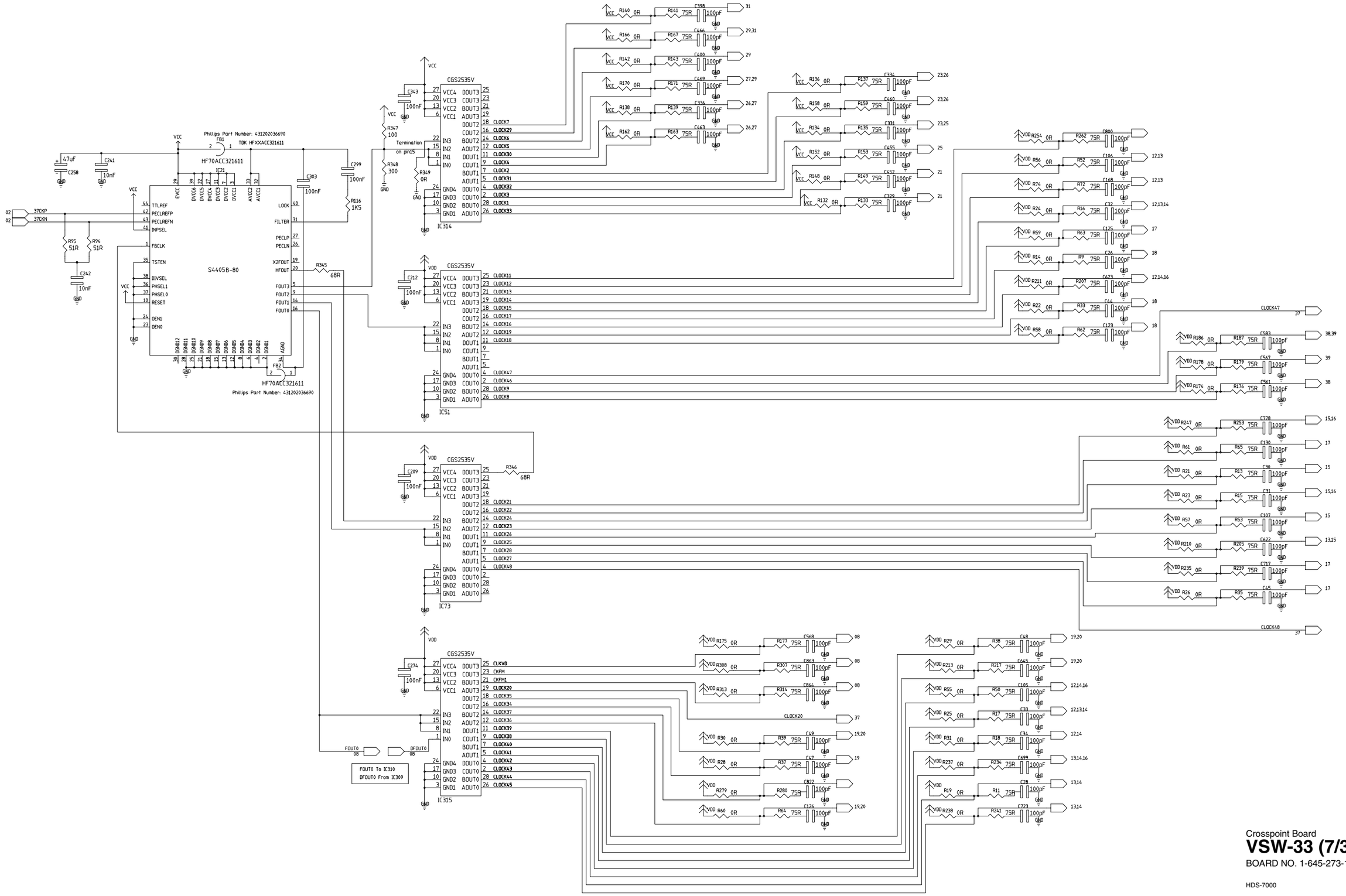
Crosspoint Board
VSW-33 (6/39)
BOARD NO. 1-645-273-12

HDS-7000

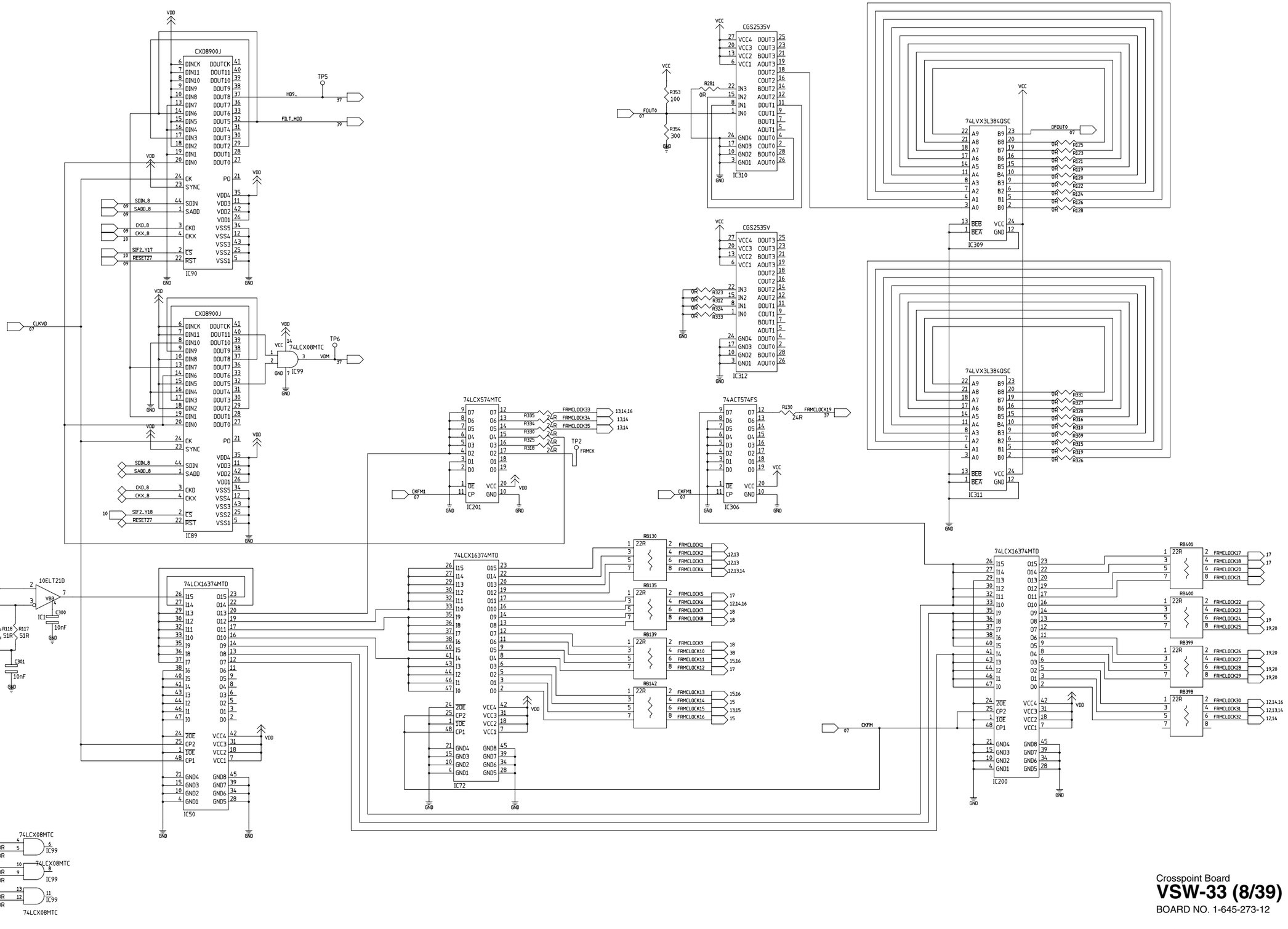
HDS-7000

524

VSW-33 (7/39)


Philips Part Number: 431202036690
TDK HFXXACC321611
HF70ACC321611
S4405B-80
CGS2535V
IC314
IC51
IC73
IC315
Termination on pin15
FOUT0 To IC310
DFOUT0 From IC309
Crosspoint Board
VSW-33 (7/39)
BOARD NO. 1-645-273-12
HDS-7000

VSW-33 (8/39)



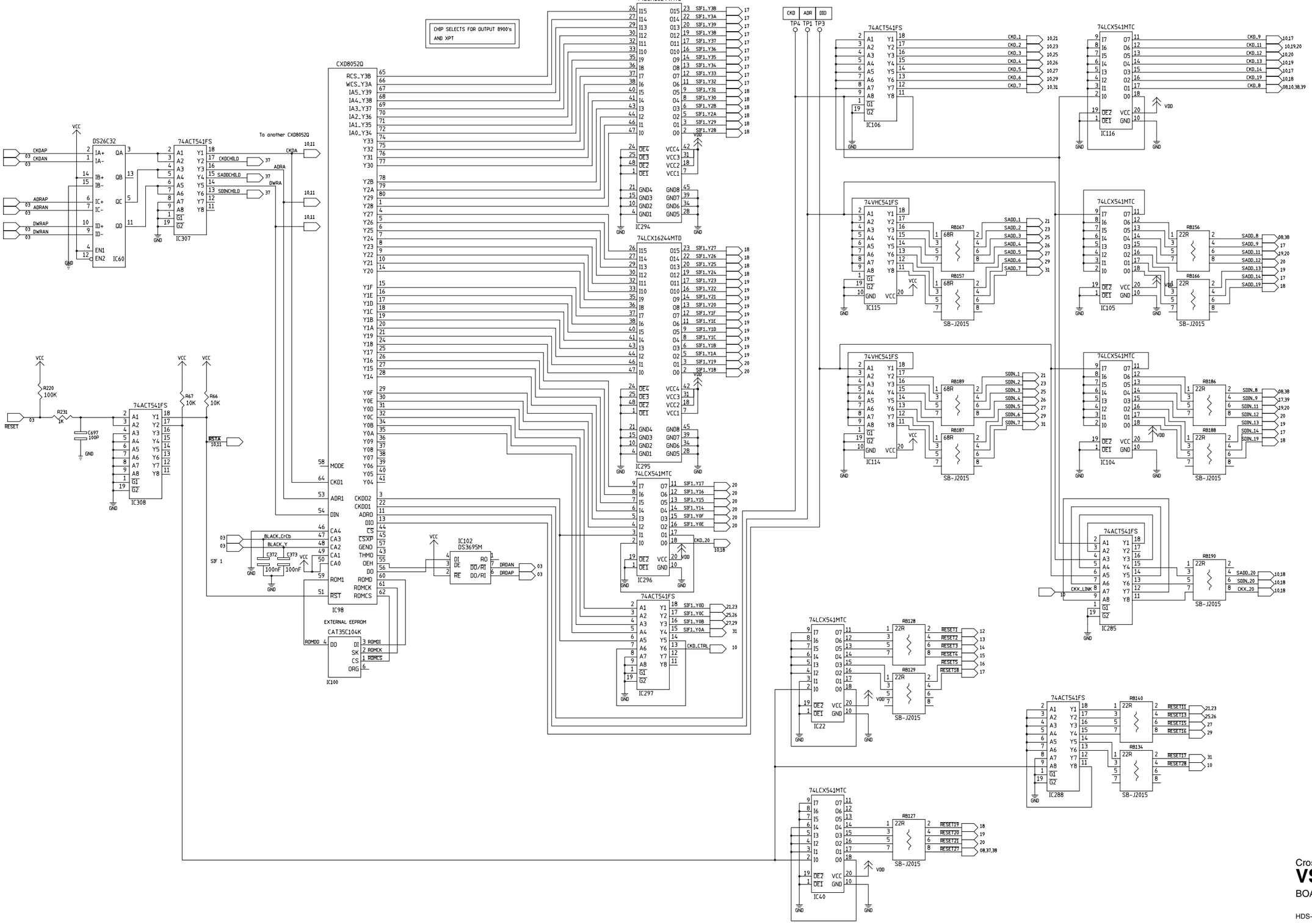
Crosspoint Board
VSW-33 (8/39)
BOARD NO. 1-645-273-12

HDS-7000

526

HDS-7000

VSW-33 (9/39)



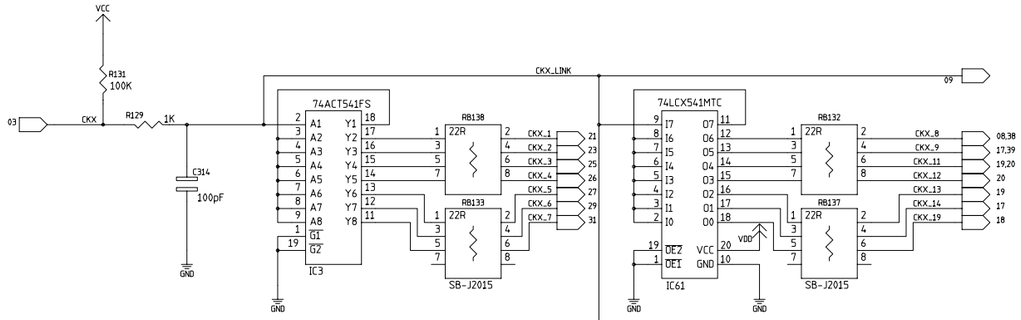
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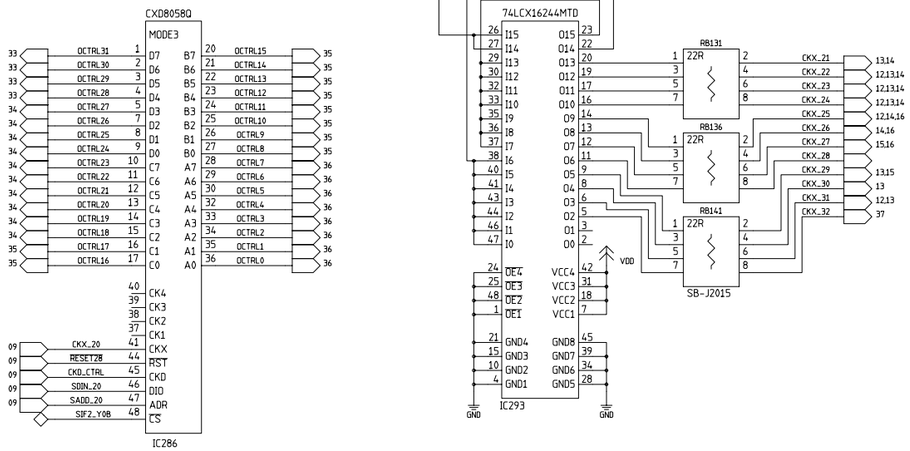
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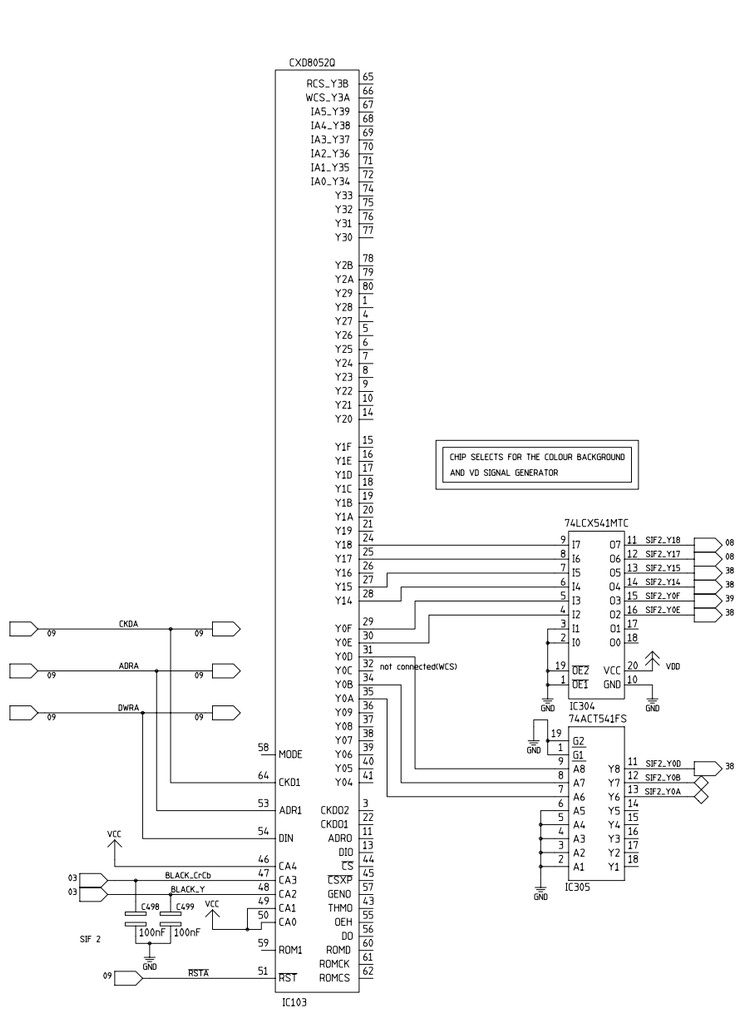
Crosspoint Board
VSW-33 (9/39)
BOARD NO. 1-645-273-12

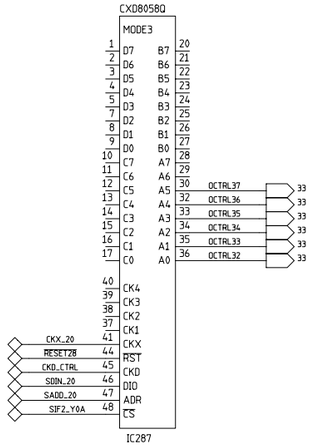
HDS-7000

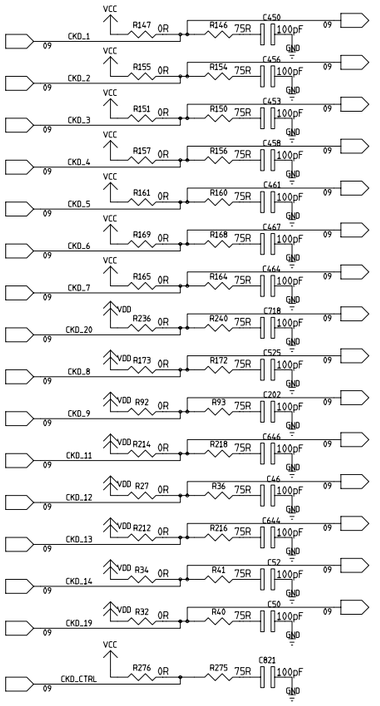
VSW-33 (10/39)











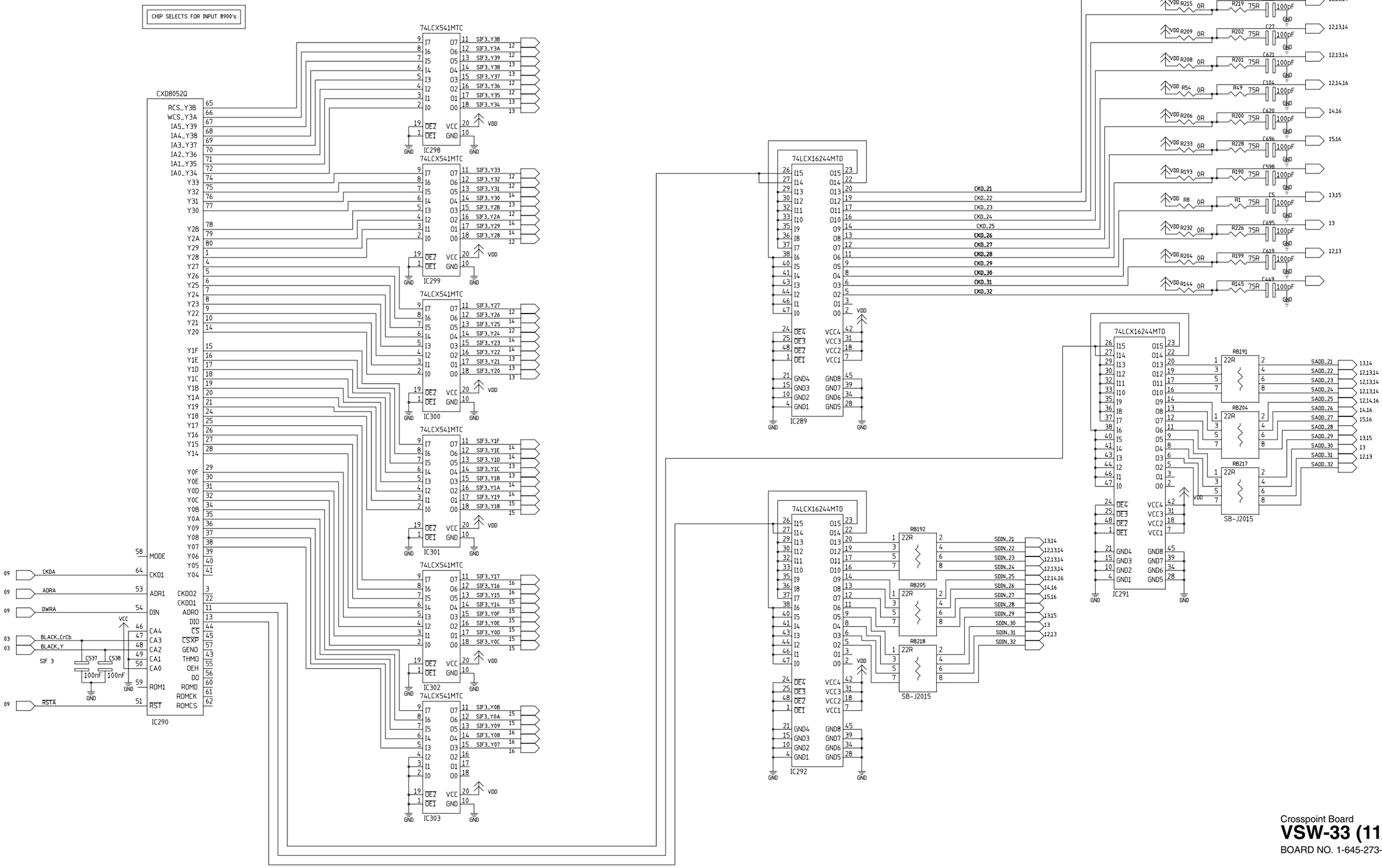
Crosspoint Board
VSW-33 (10/39)
BOARD NO. 1-645-273-12

HDS-7000

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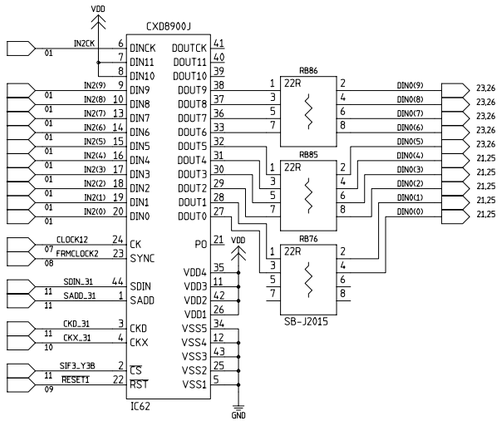
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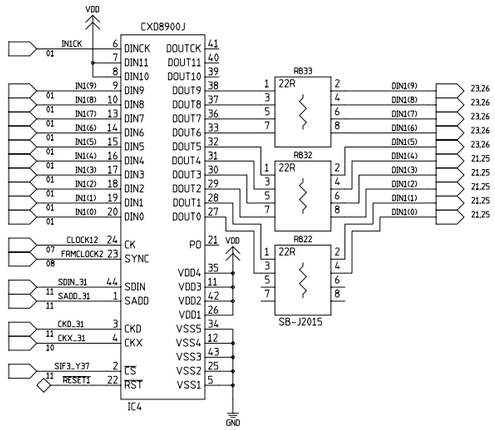


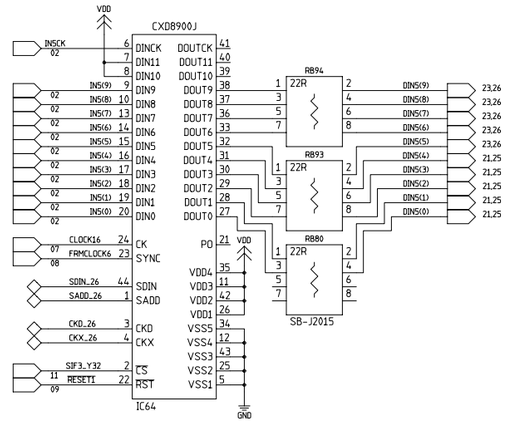
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VSW-33 (11/39)
BOARD NO. 1-645-273-12

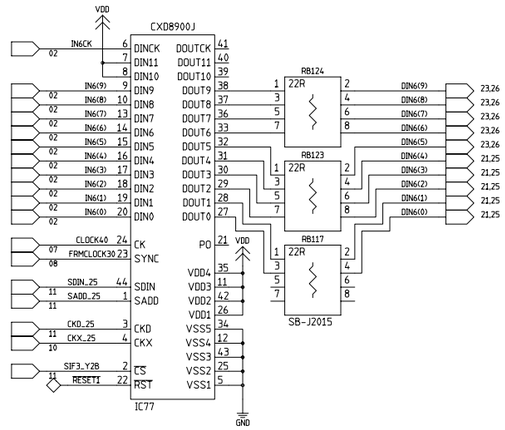
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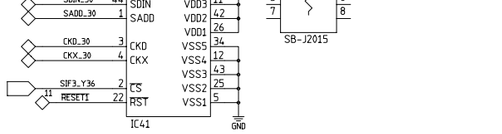
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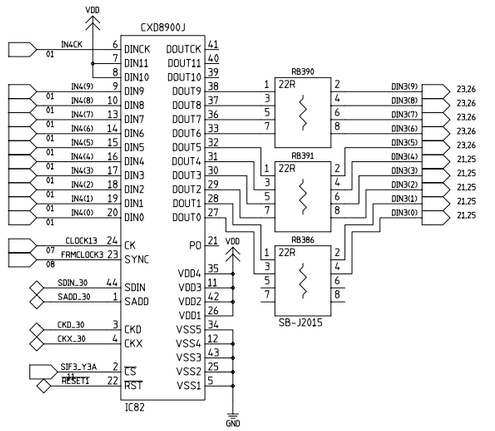


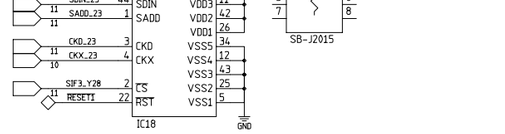


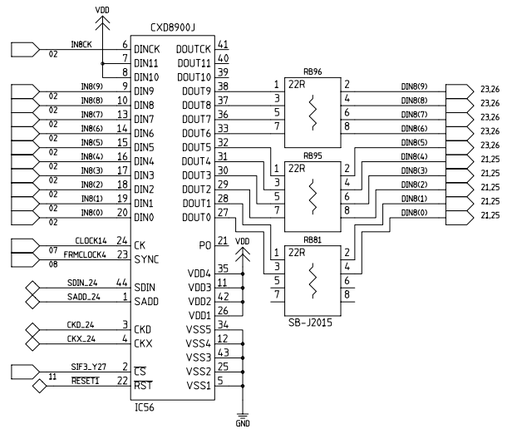


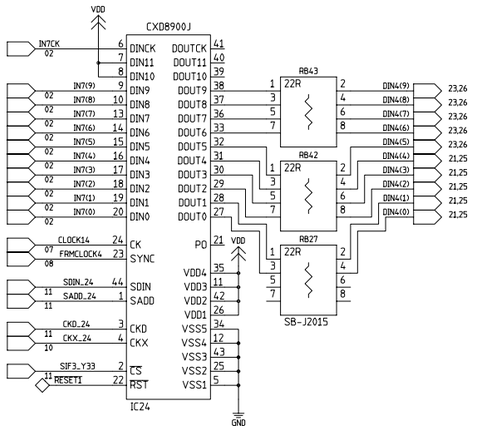


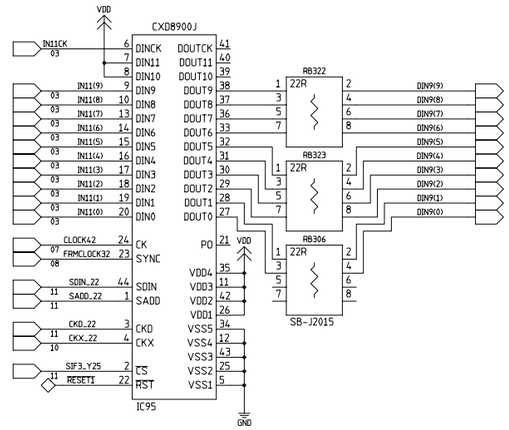










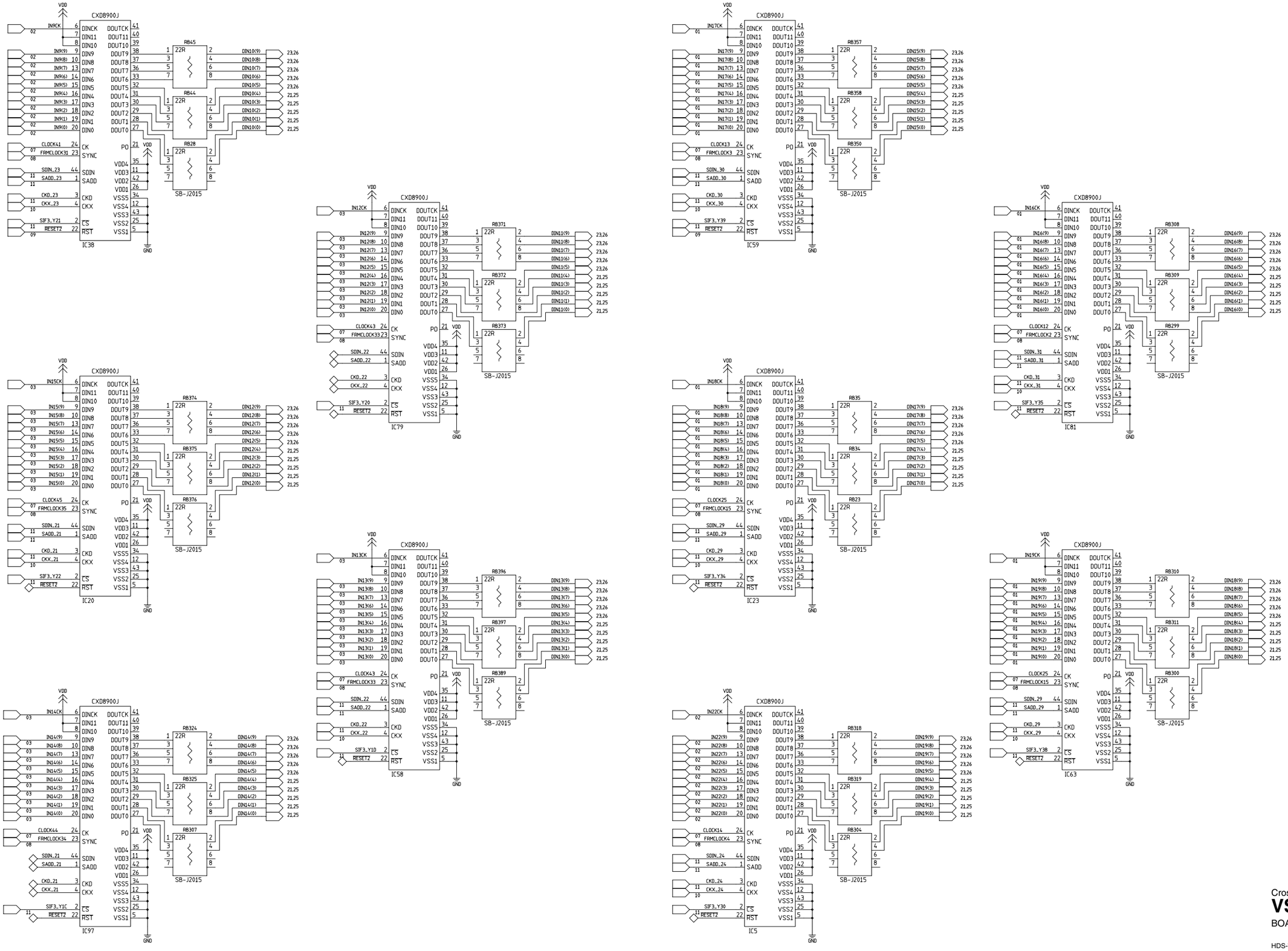


Crosspoint Board
VSW-33 (12/39)
BOARD NO. 1-645-273-12

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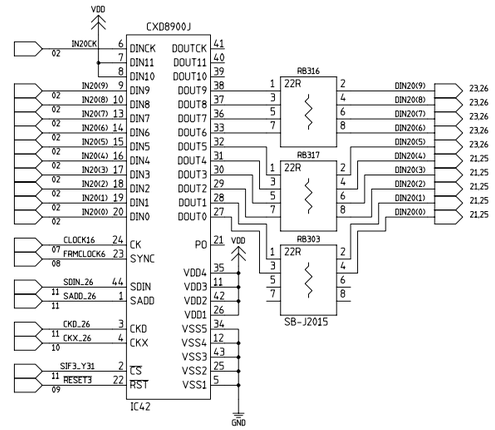
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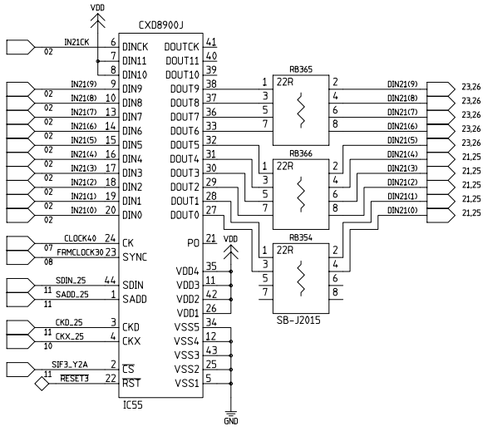


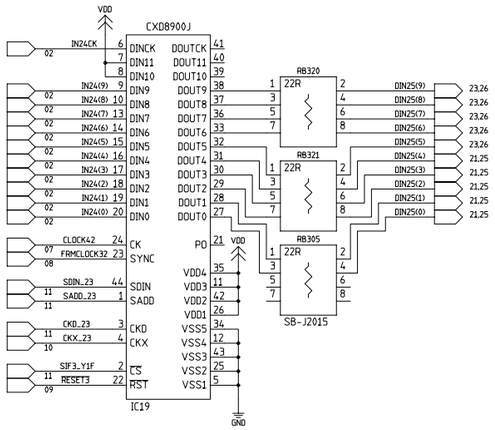
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VSW-33 (13/39)
BOARD NO. 1-645-273-12

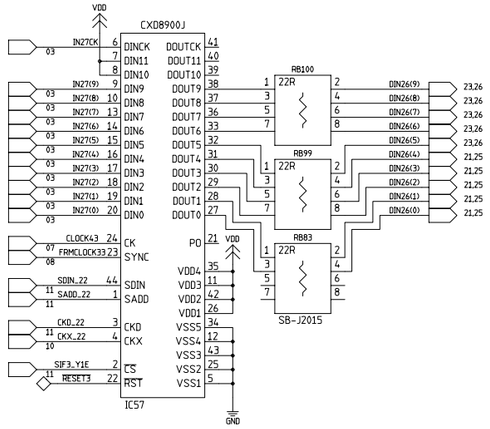
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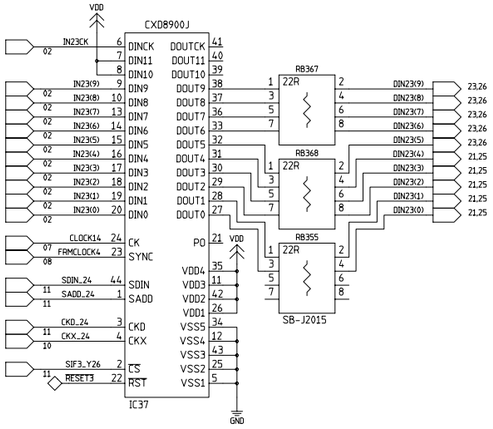
VSW-33 (14/39)

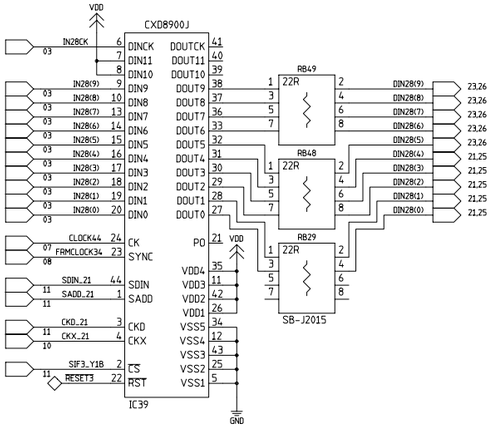


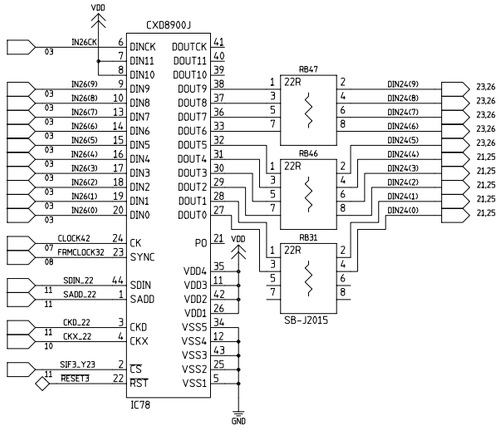


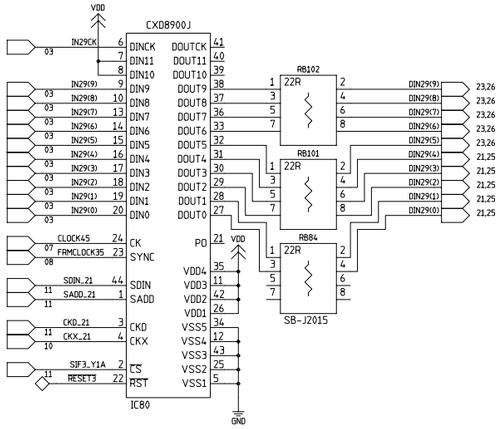










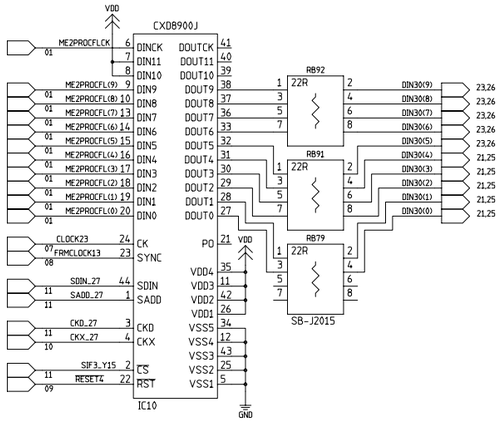


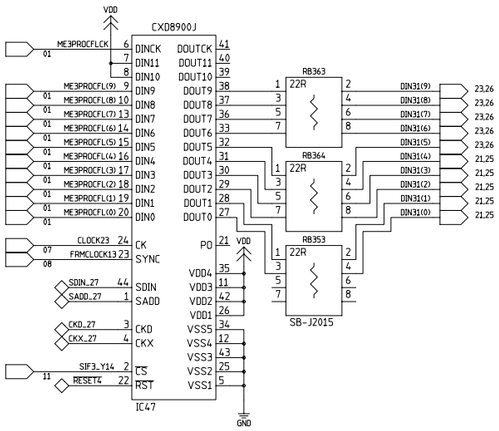
Crosspoint Board
VSW-33 (14/39)
BOARD NO. 1-645-273-12

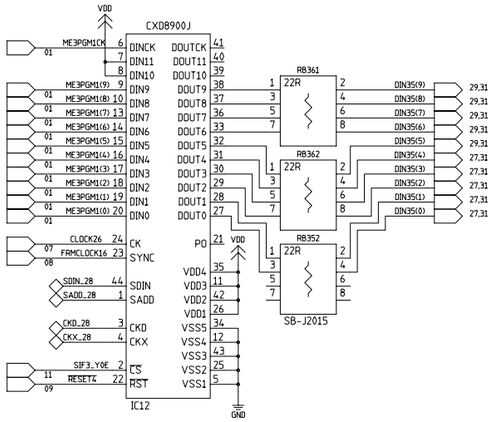
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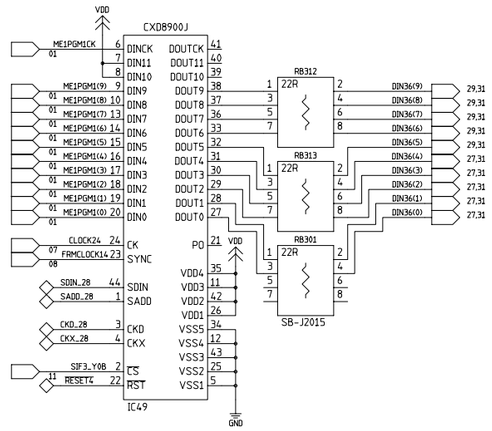
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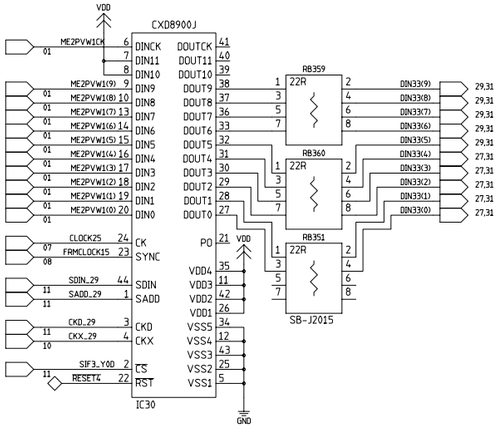
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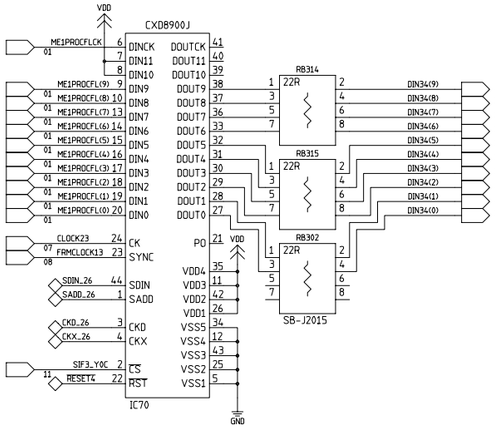


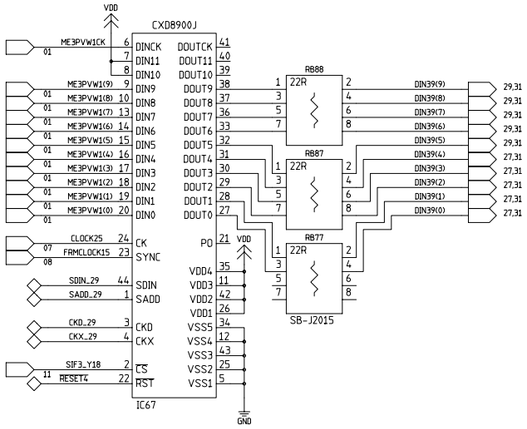


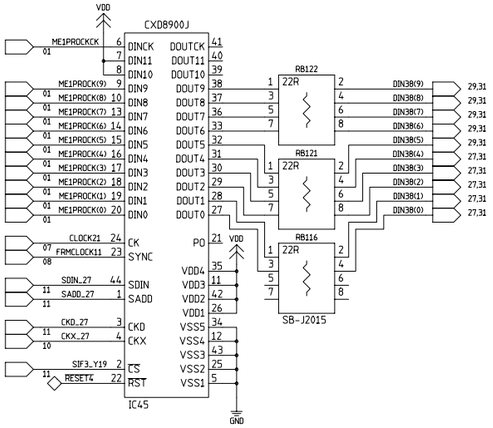








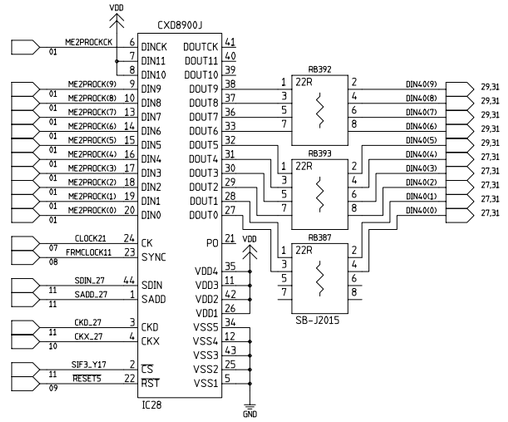


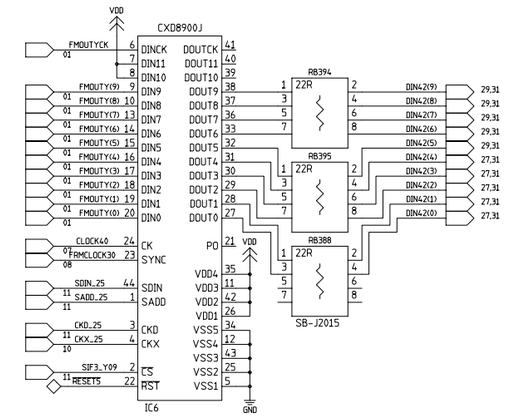


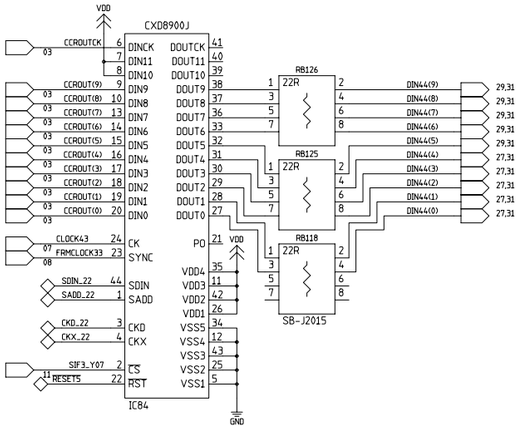
Crosspoint Board
VSW-33 (15/39)
BOARD NO. 1-645-273-12

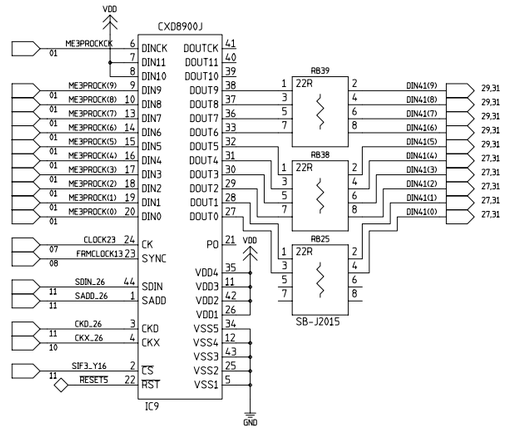
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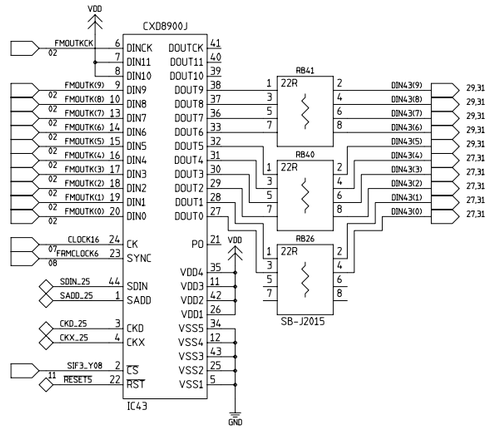
VSW-33 (16/39)











Crosspoint Board

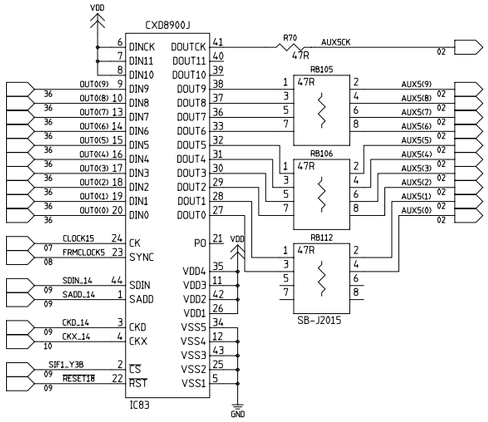
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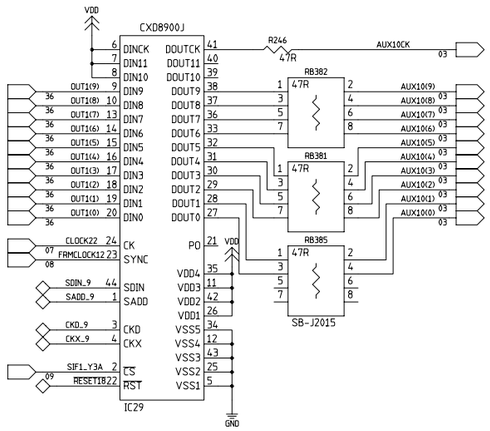
BOARD NO. 1-645-273-12

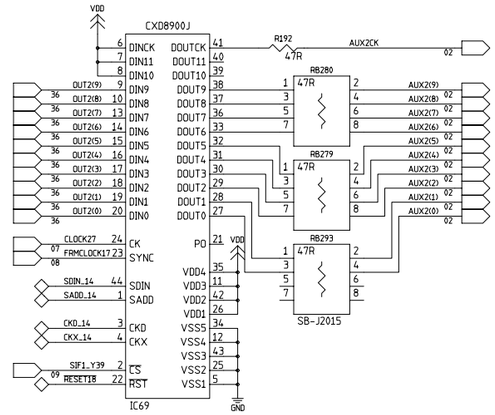
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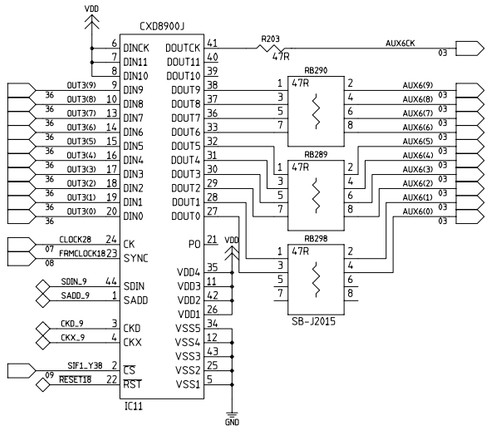
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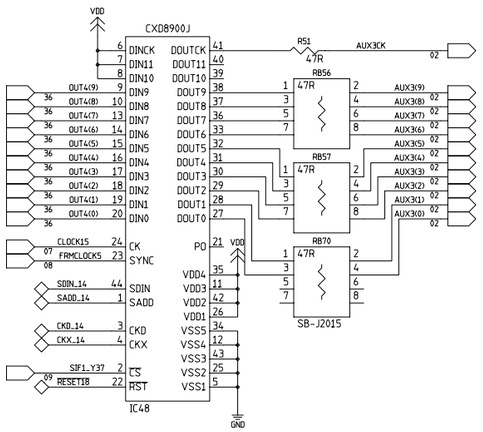
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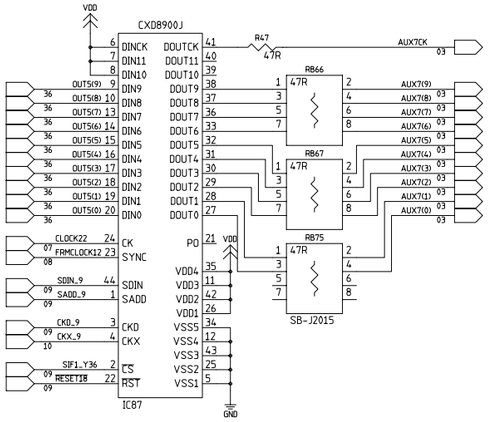


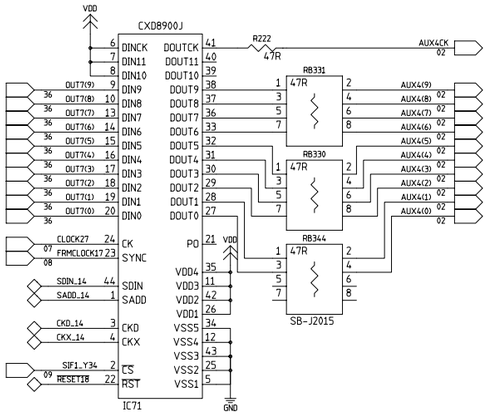


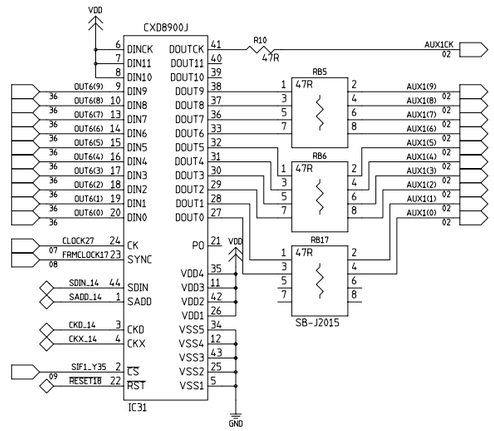


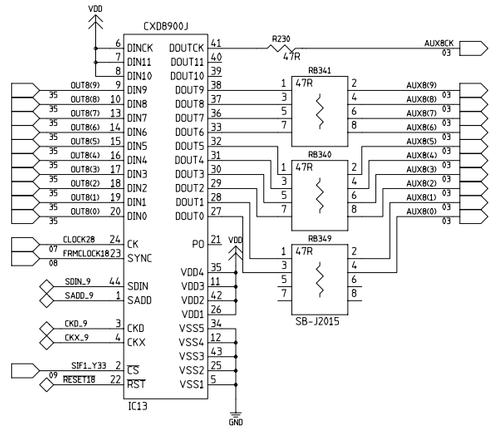


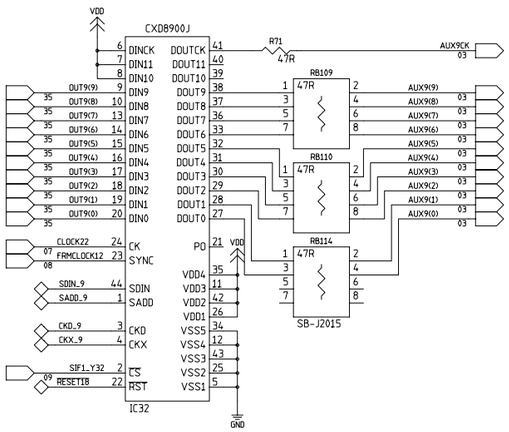












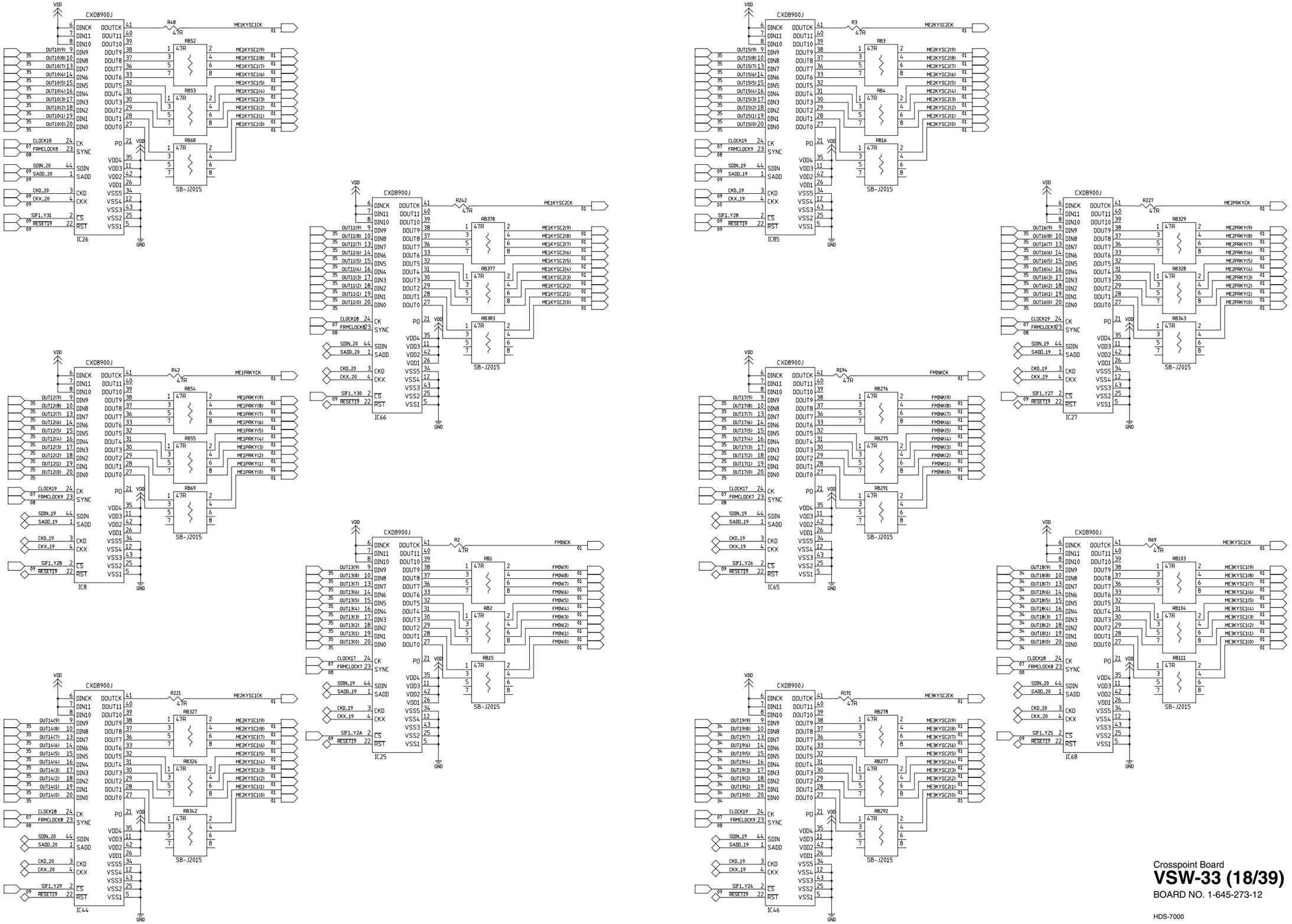
Crosspoint Board
VSW-33 (17/39)
BOARD NO. 1-645-273-12

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A B C D E F G H

VSW-33 (18/39)

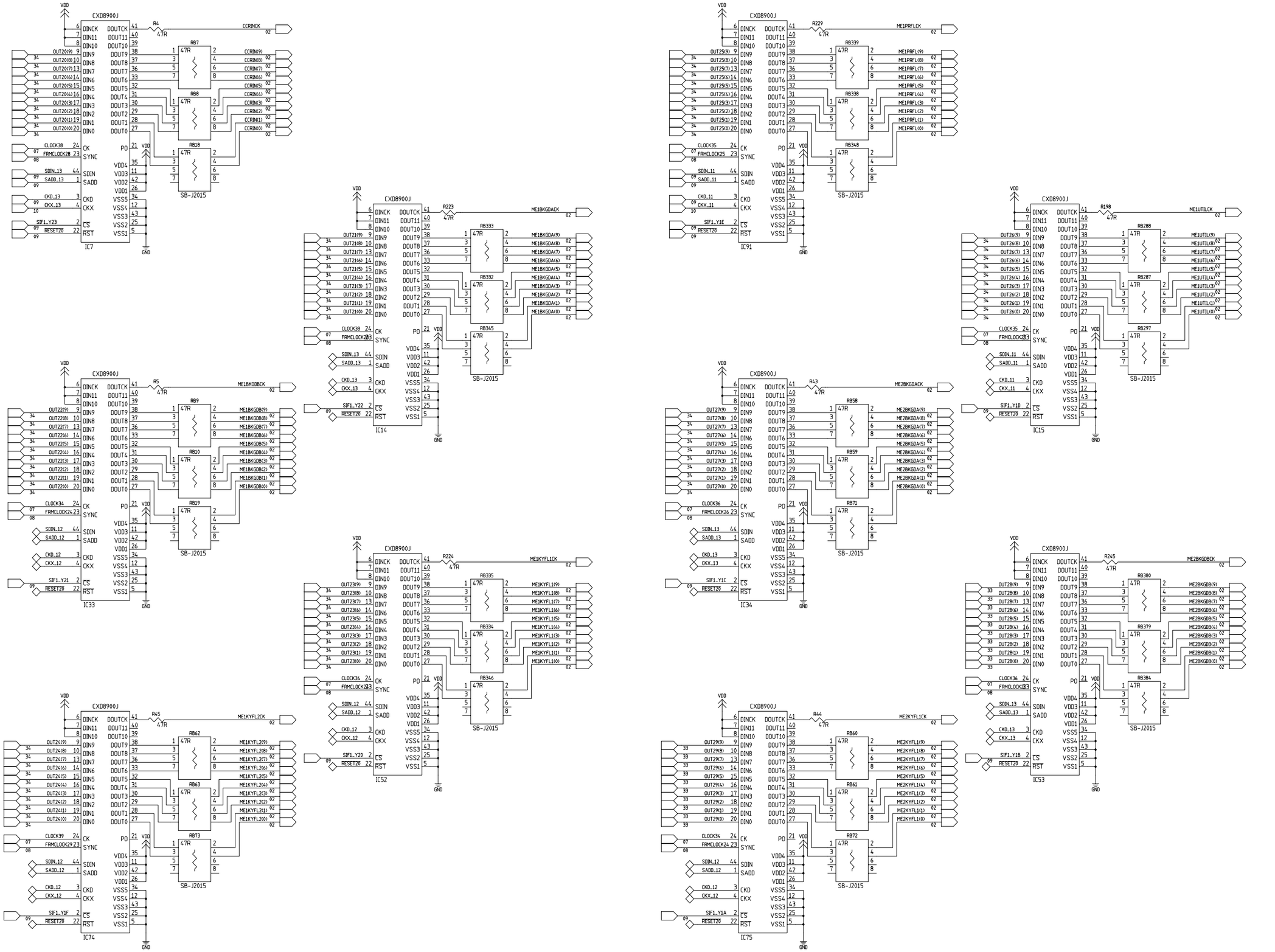


Crosspoint Board
VSW-33 (18/39)
BOARD NO. 1-645-273-12

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VSW-33 (19/39)



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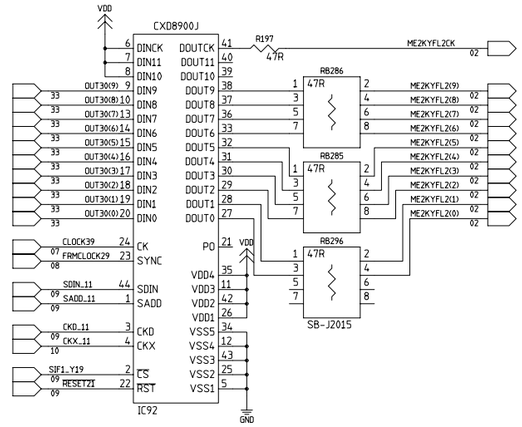
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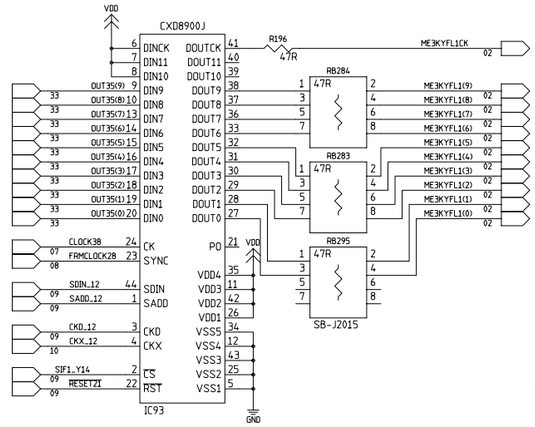
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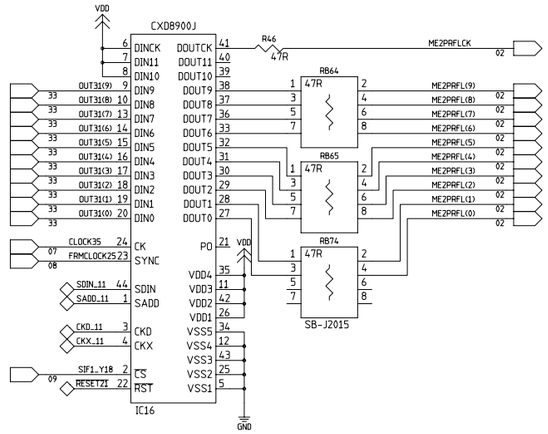
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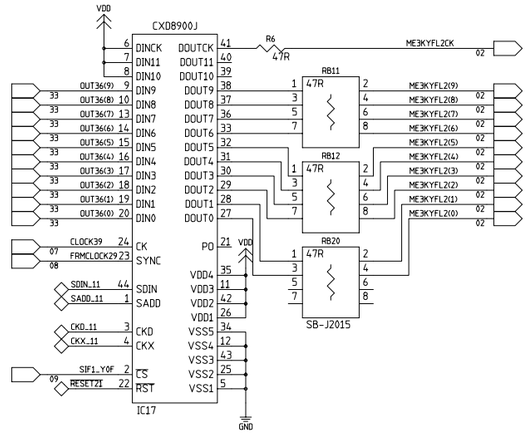
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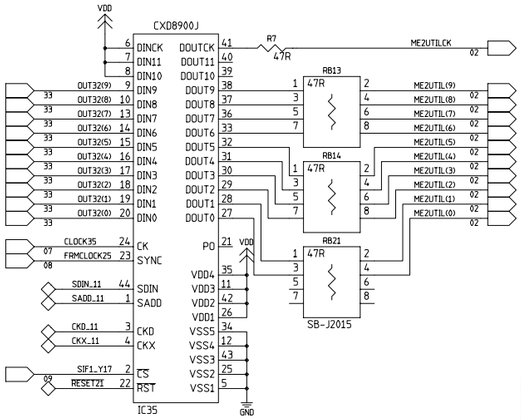
VSW-33 (20/39)

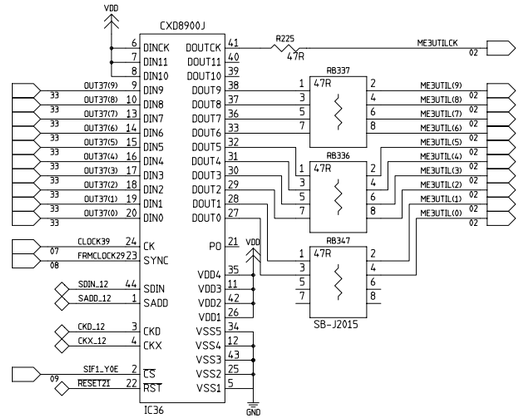


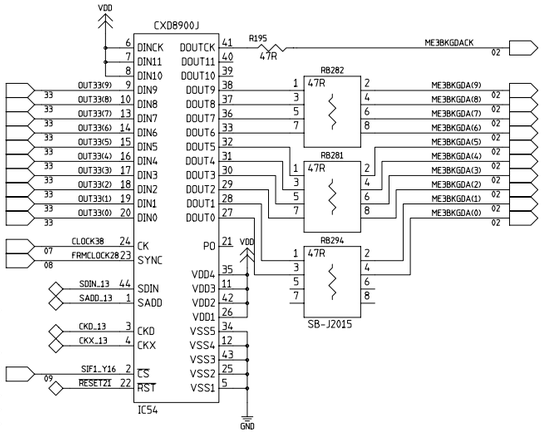


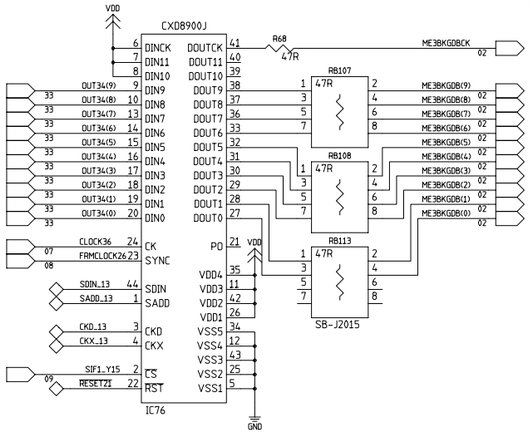










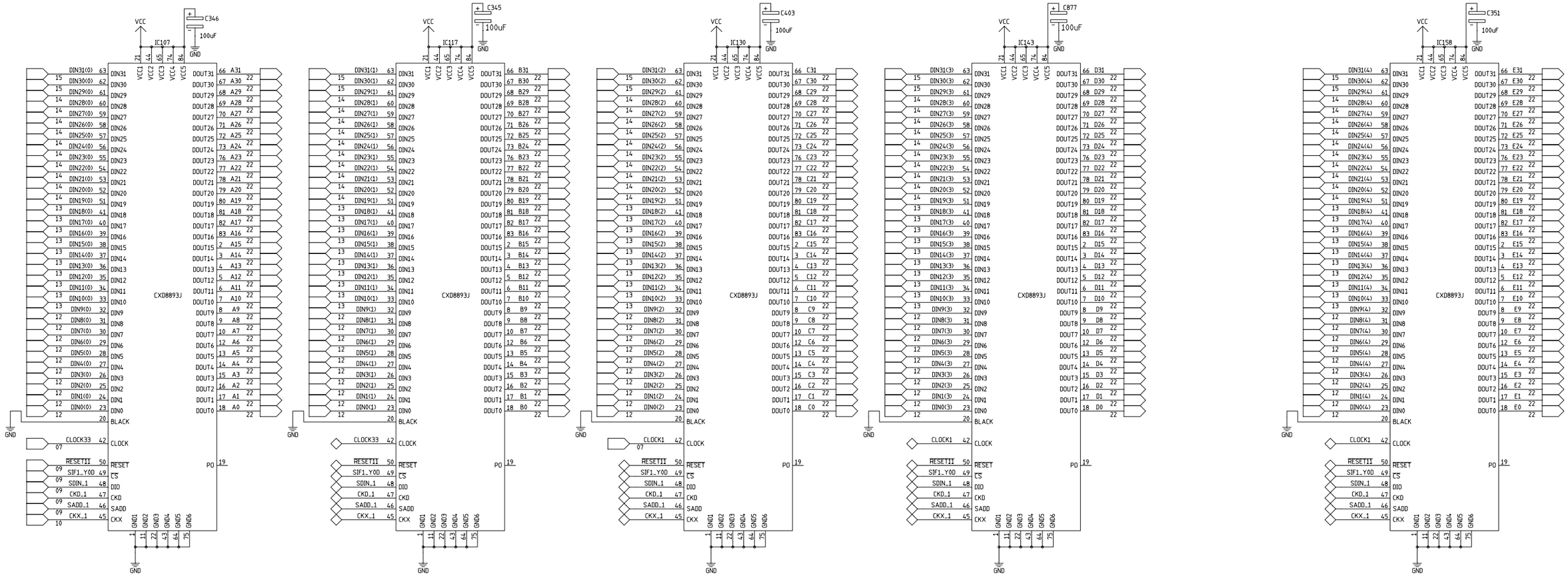


Crosspoint Board
VSW-33 (20/39)
BOARD NO. 1-645-273-12

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HDS-7000

VSW-33 (21/39)

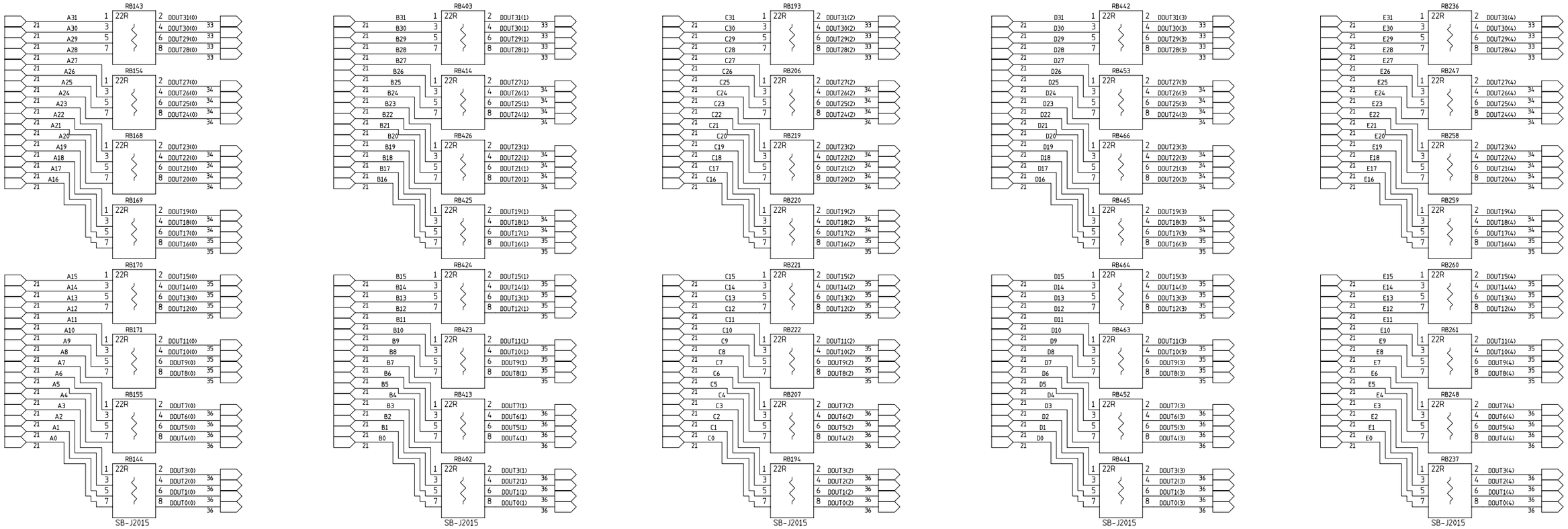


Crosspoint Board
VSW-33 (21/39)
BOARD NO. 1-645-273-12

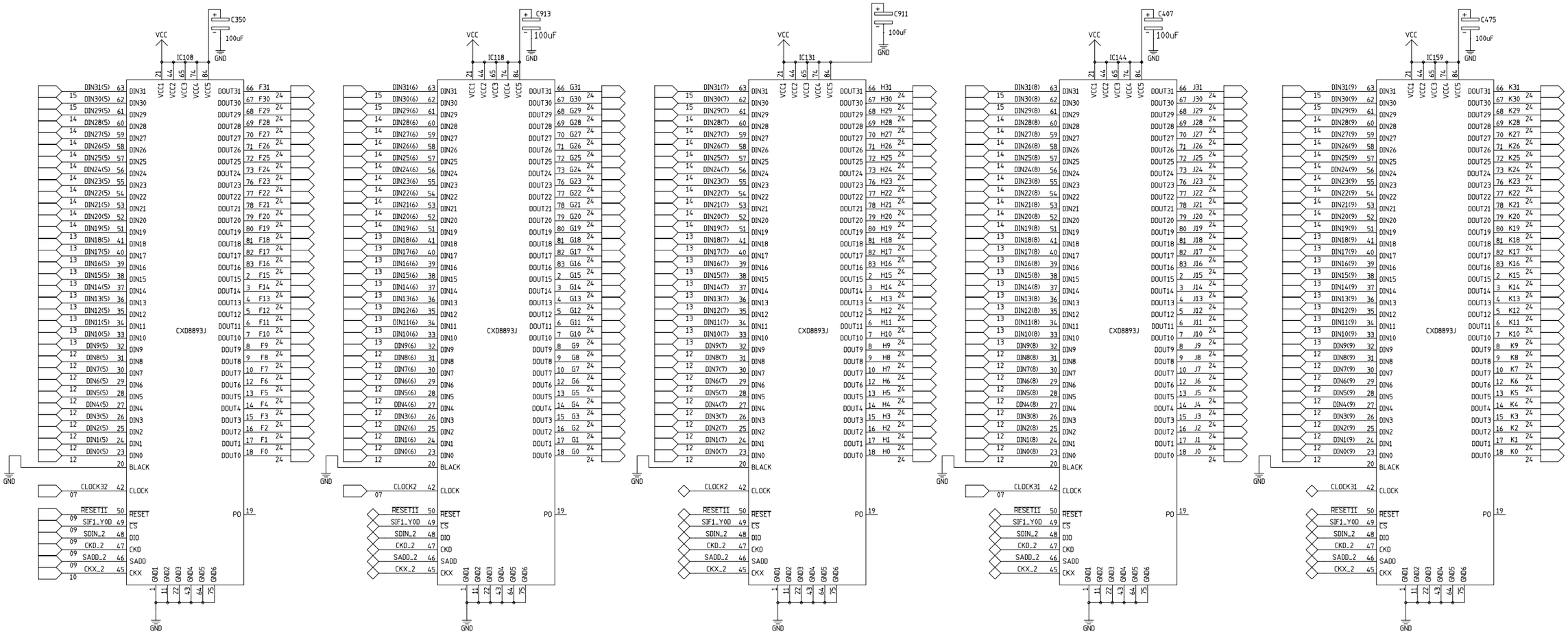
HDS-7000

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HDS-7000

VSW-33 (22/39)


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RB168
RB169
RB403
RB414
RB426
RB425
RB193
RB206
RB219
RB220
RB442
RB453
RB466
RB465
RB236
RB247
RB258
RB259
RB170
RB171
RB155
RB144
RB424
RB423
RB413
RB402
RB221
RB222
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22R
SB-J2015

VSW-33 (23/39)

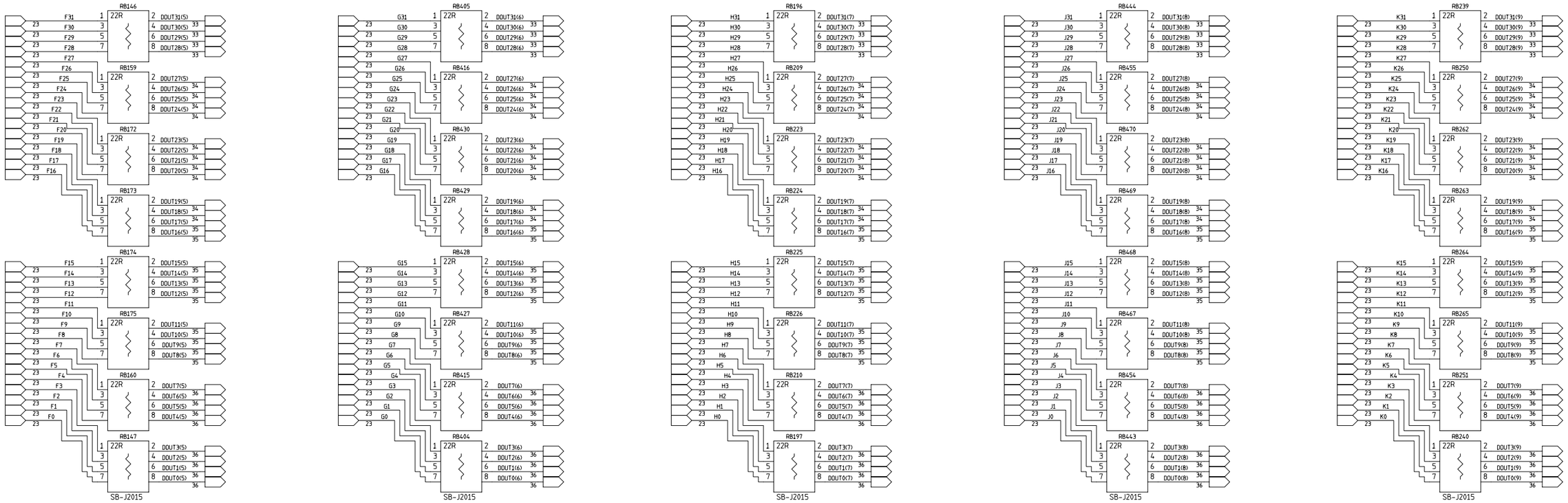


Crosspoint Board
VSW-33 (23/39)
BOARD NO. 1-645-273-12

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VSW-33 (24/39)

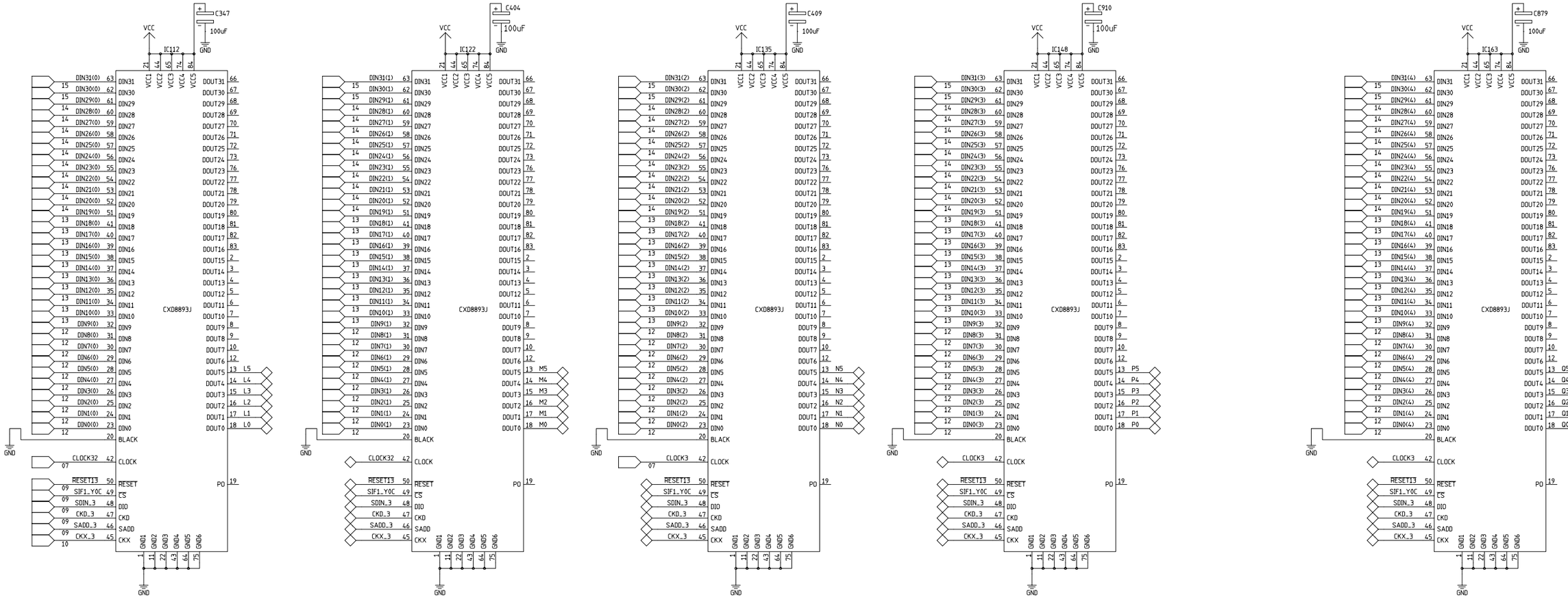


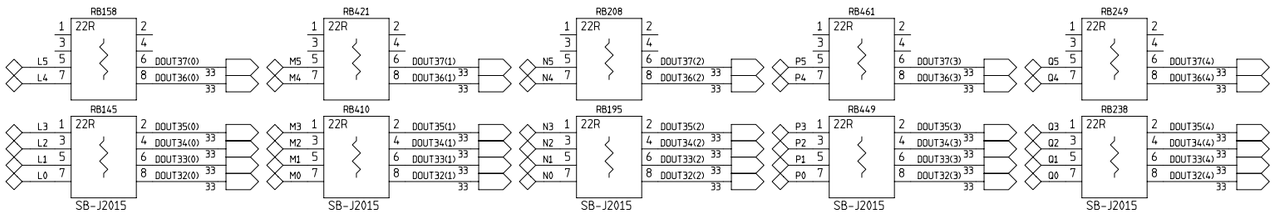
Crosspoint Board
VSW-33 (24/39)
BOARD NO. 1-645-273-12

HDS-7000

542
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VSW-33 (25/39)





Crosspoint Board
VSW-33 (25/39)
BOARD NO. 1-645-273-12

HDS-7000

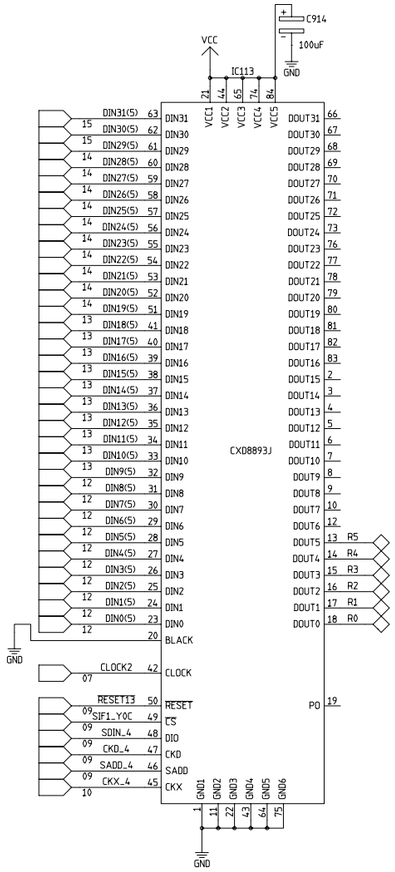
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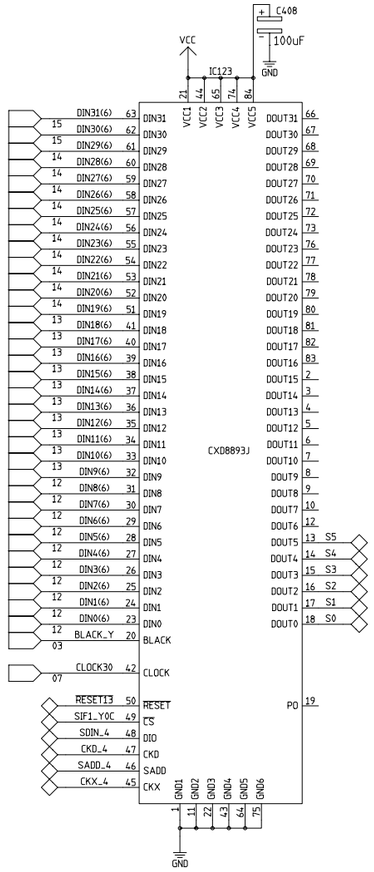
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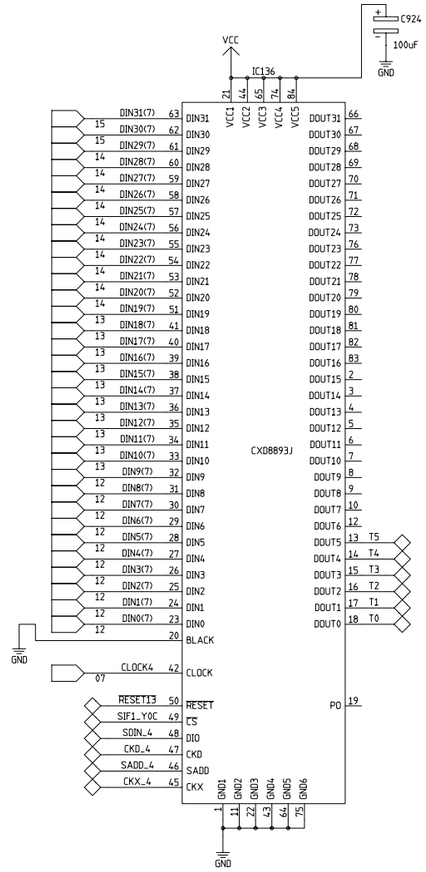
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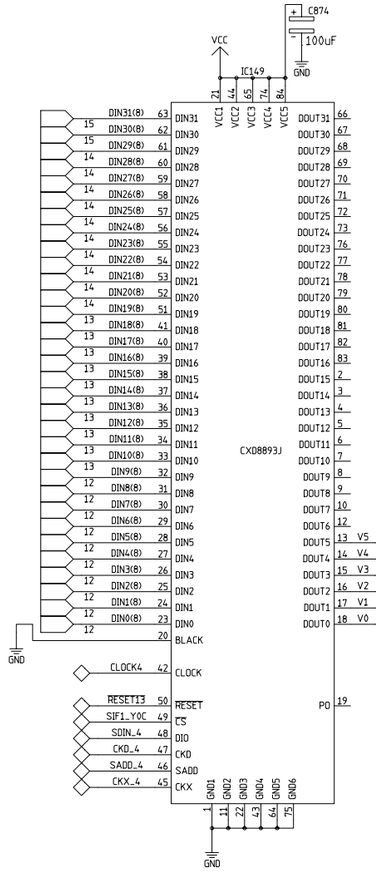
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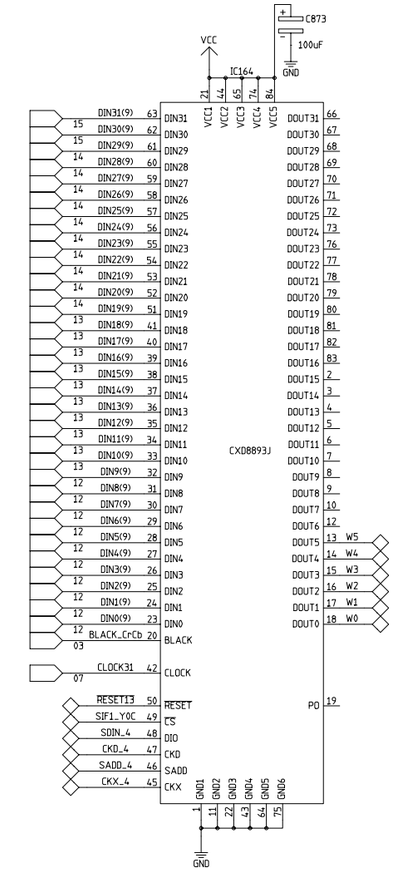
VSW-33 (26/39)

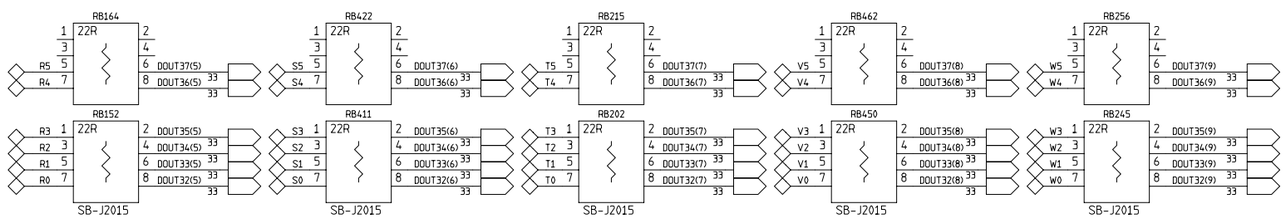










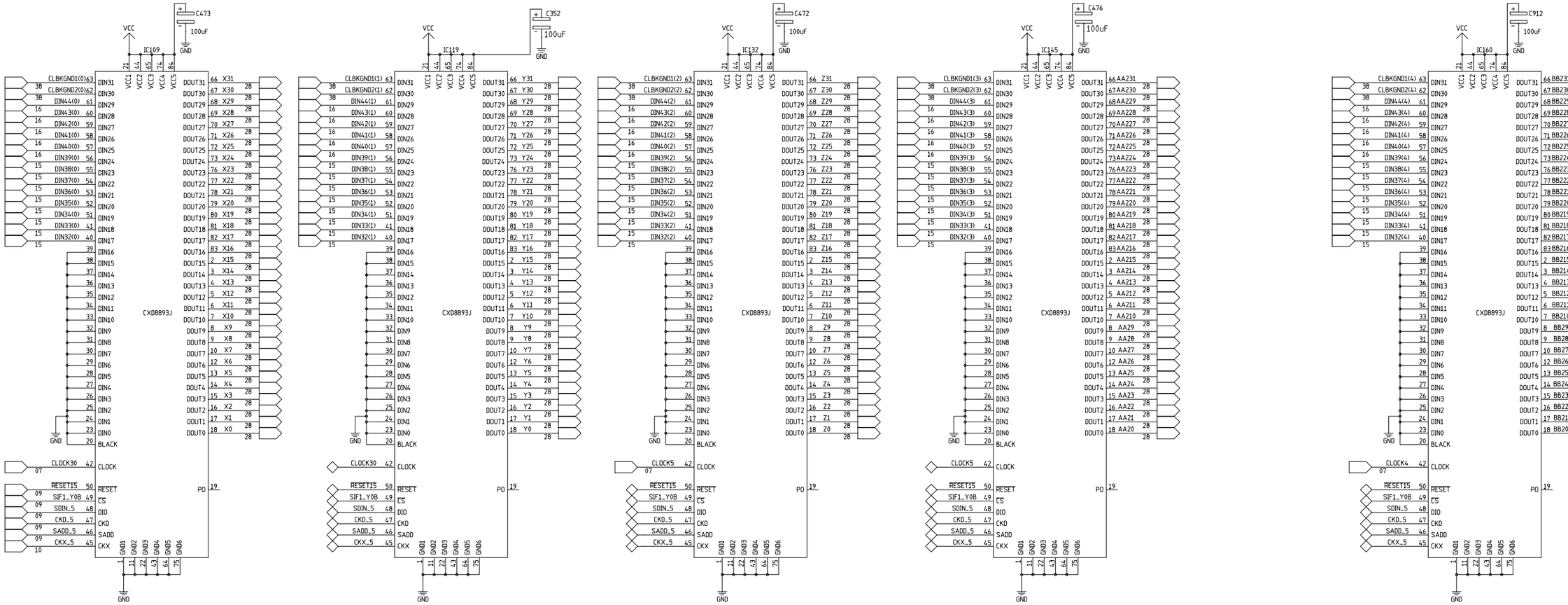


Crosspoint Board
VSW-33 (26/39)
BOARD NO. 1-645-273-12

HDS-7000

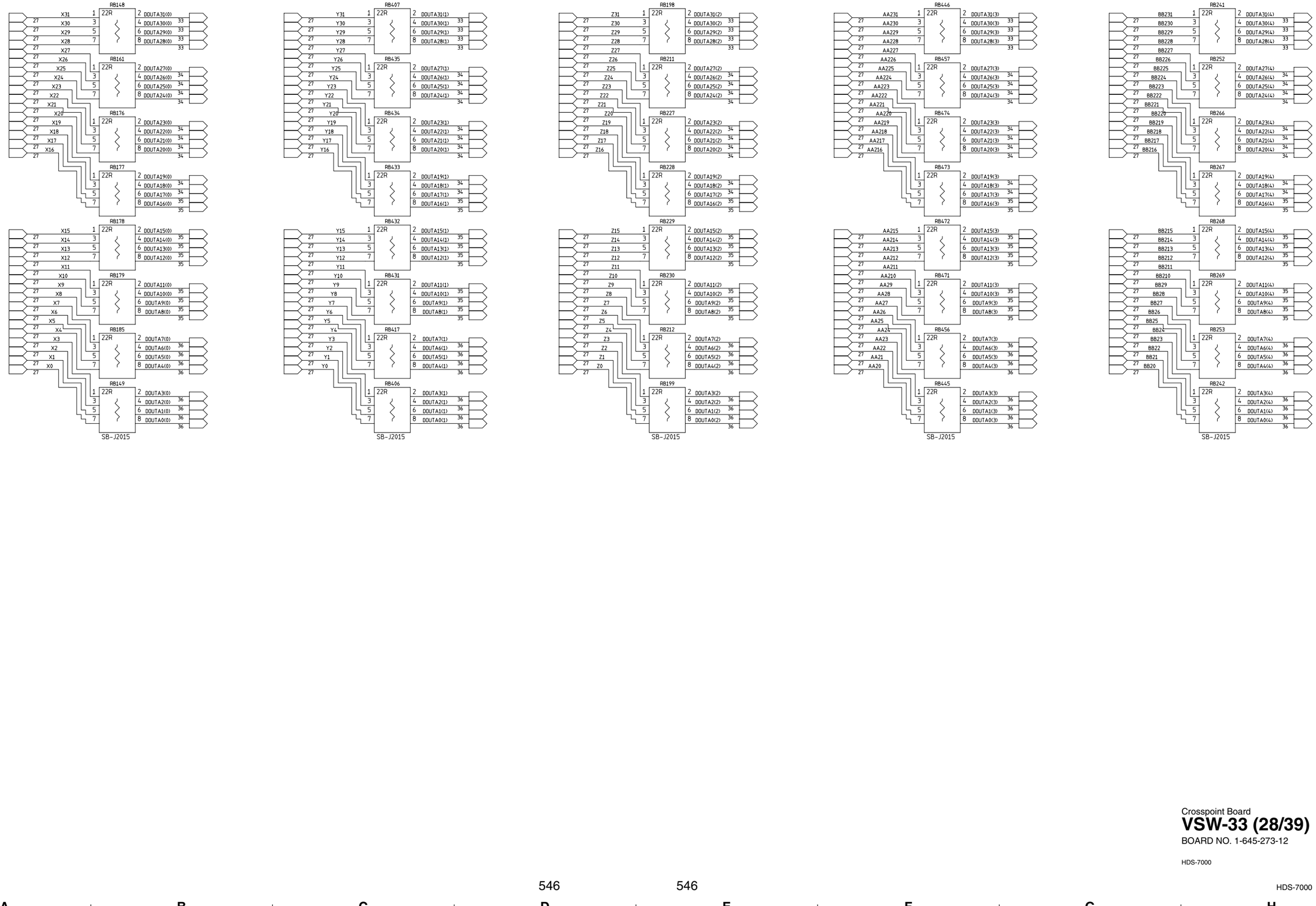
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VSW-33 (27/39)



Crosspoint Board
VSW-33 (27/39)
BOARD NO. 1-645-273-12

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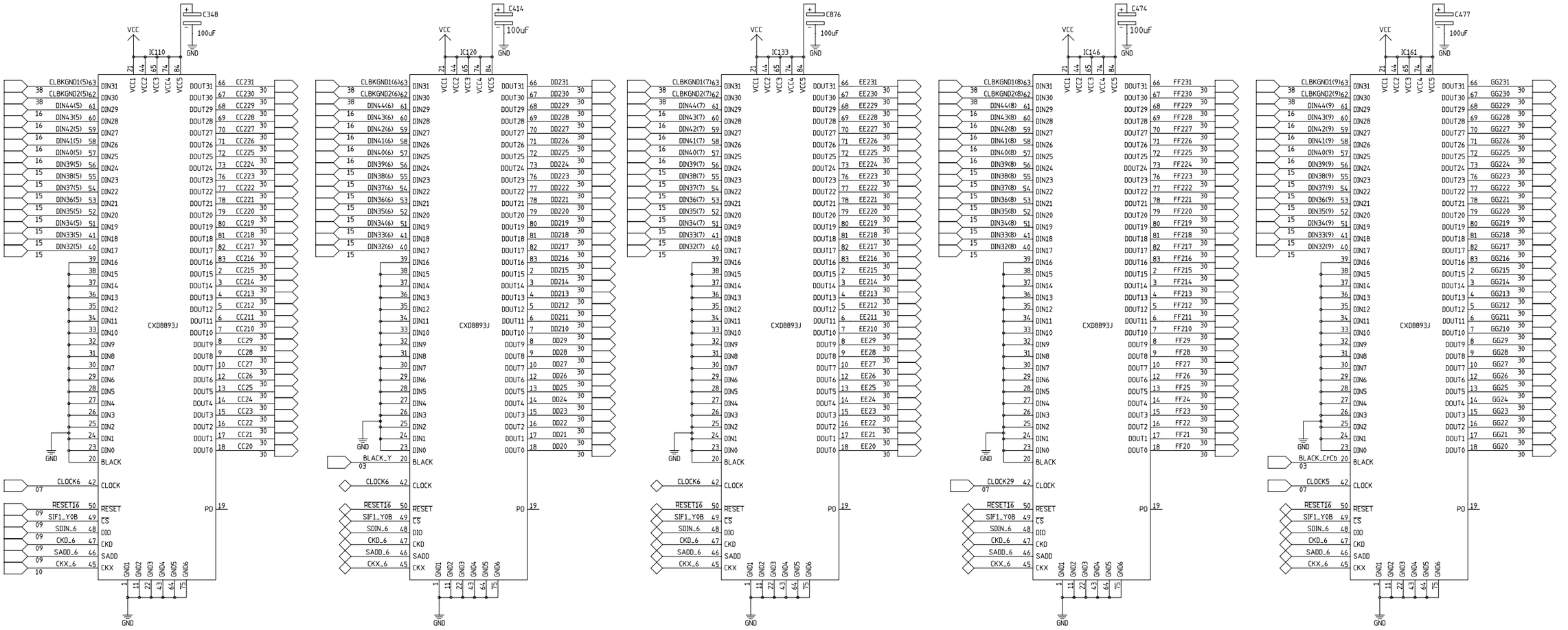


Crosspoint Board
VSW-33 (28/39)
BOARD NO. 1-645-273-12

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VSW-33 (29/39)



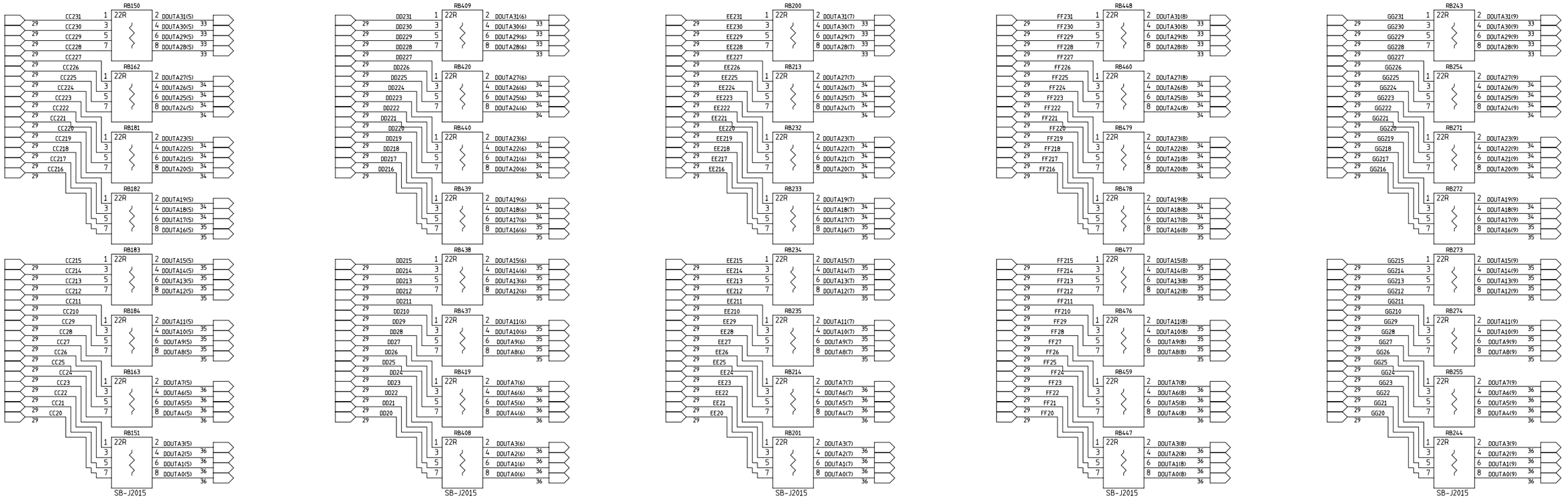
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VSW-33 (29/39)
BOARD NO. 1-645-273-12

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VSW-33 (30/39)

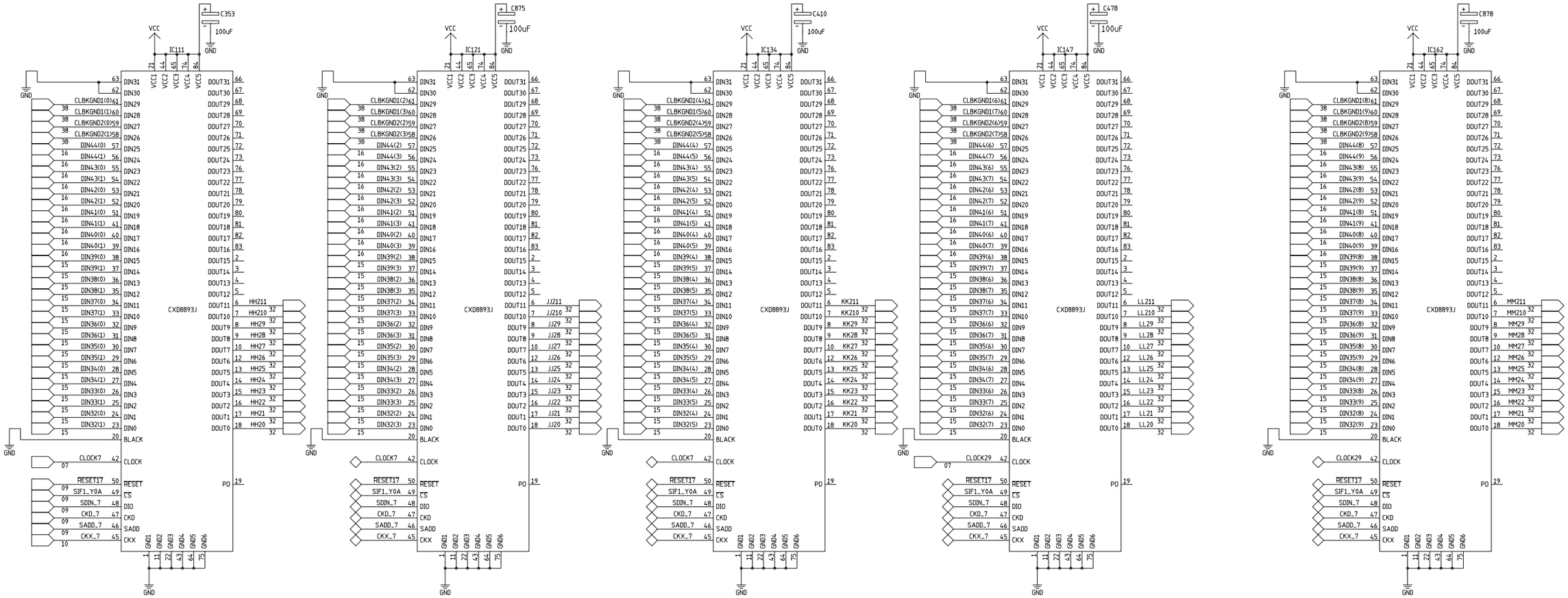


Crosspoint Board
VSW-33 (30/39)
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HDS-7000

VSW-33 (31/39)

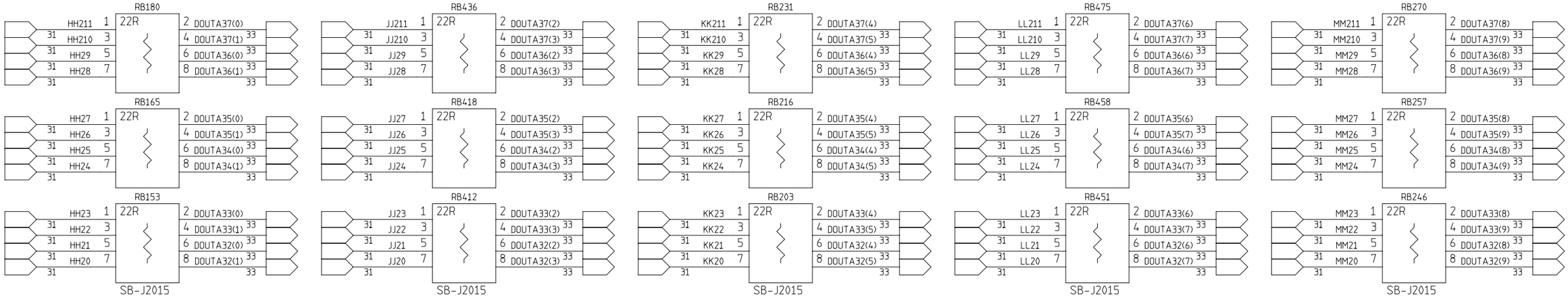


Crosspoint Board
VSW-33 (31/39)
BOARD NO. 1-645-273-12

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VSW-33 (32/39)



Crosspoint Board
VSW-33 (32/39)
BOARD NO. 1-645-273-12

HDS-7000

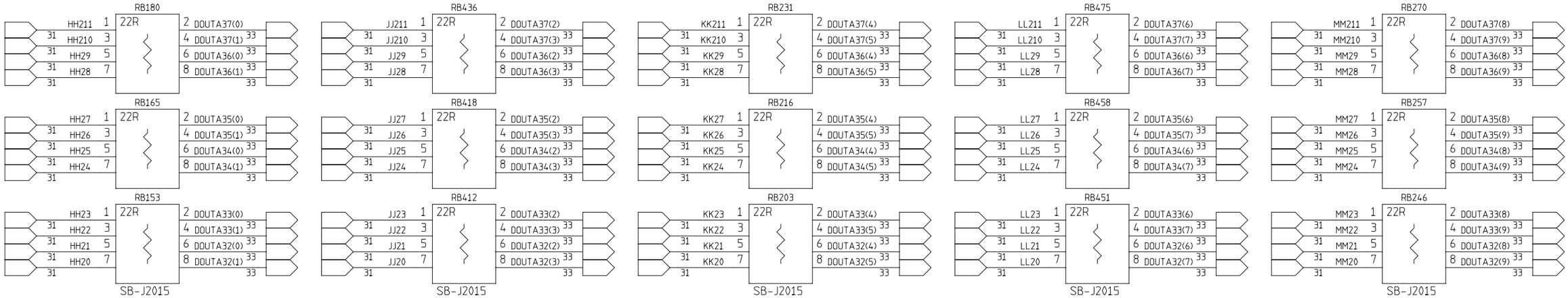
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VSW-33 (33/39)



Crosspoint Board
VSW-33 (33/39)
BOARD NO. 1-645-273-12

HDS-7000

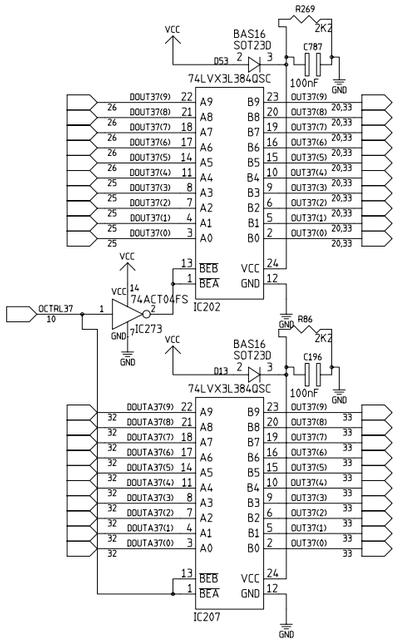
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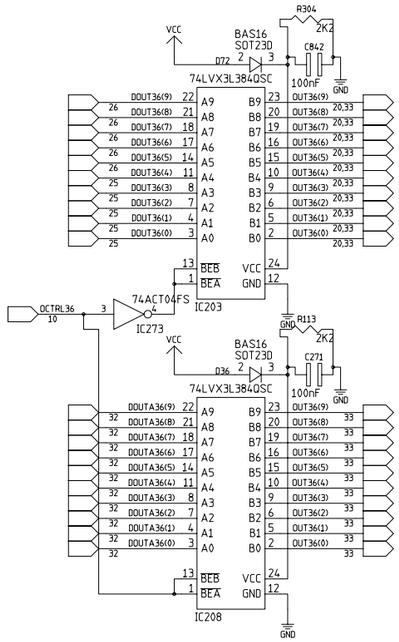
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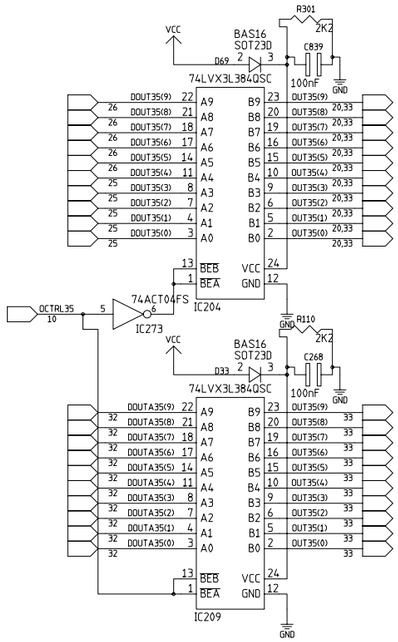
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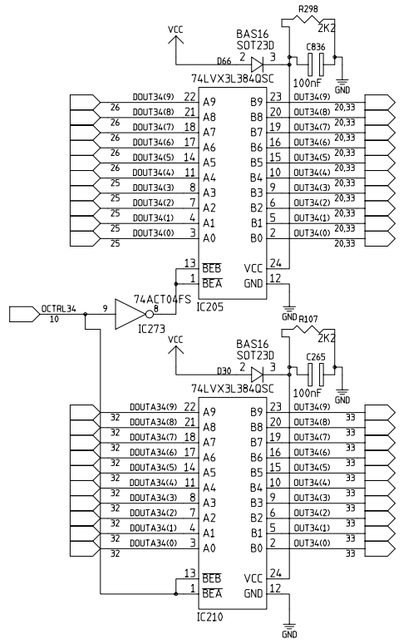
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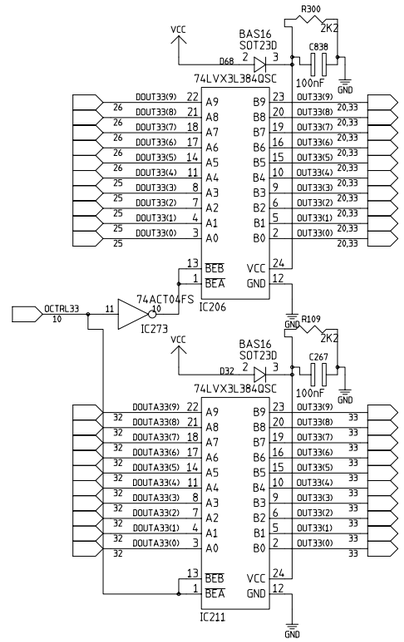
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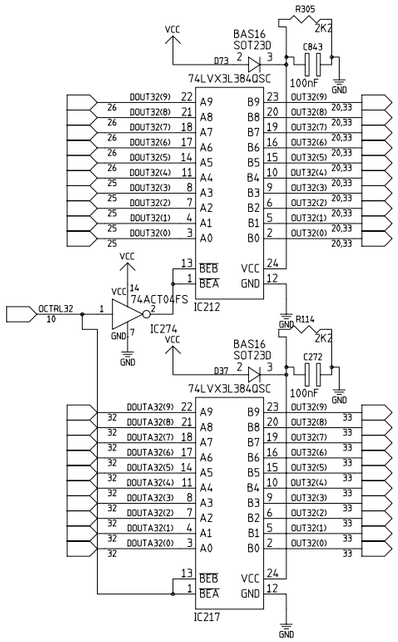


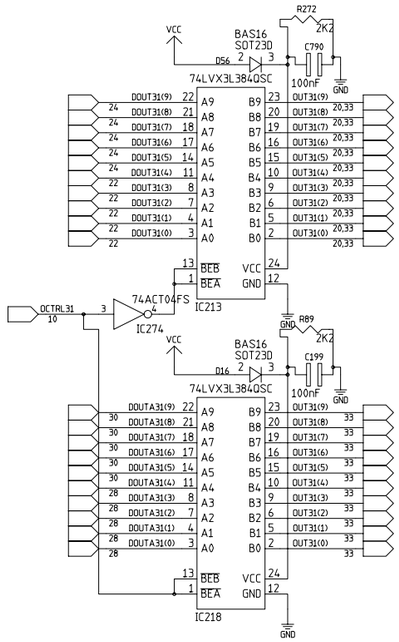


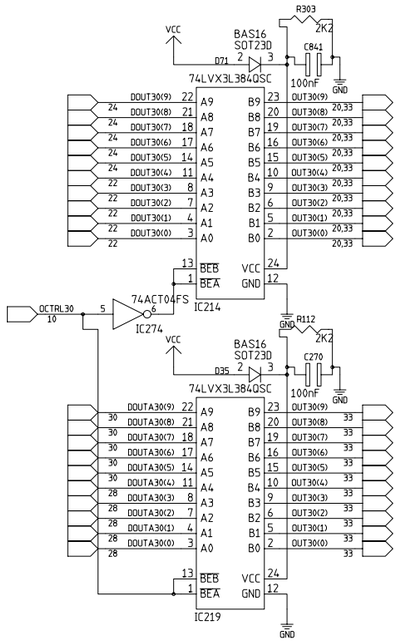


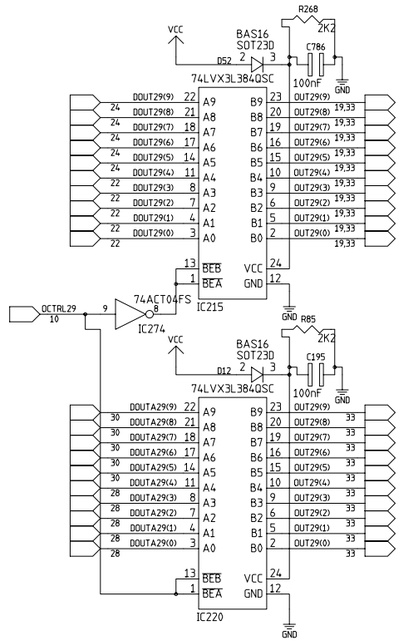


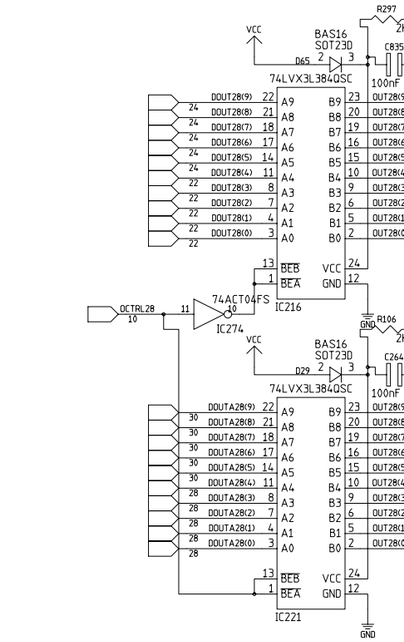








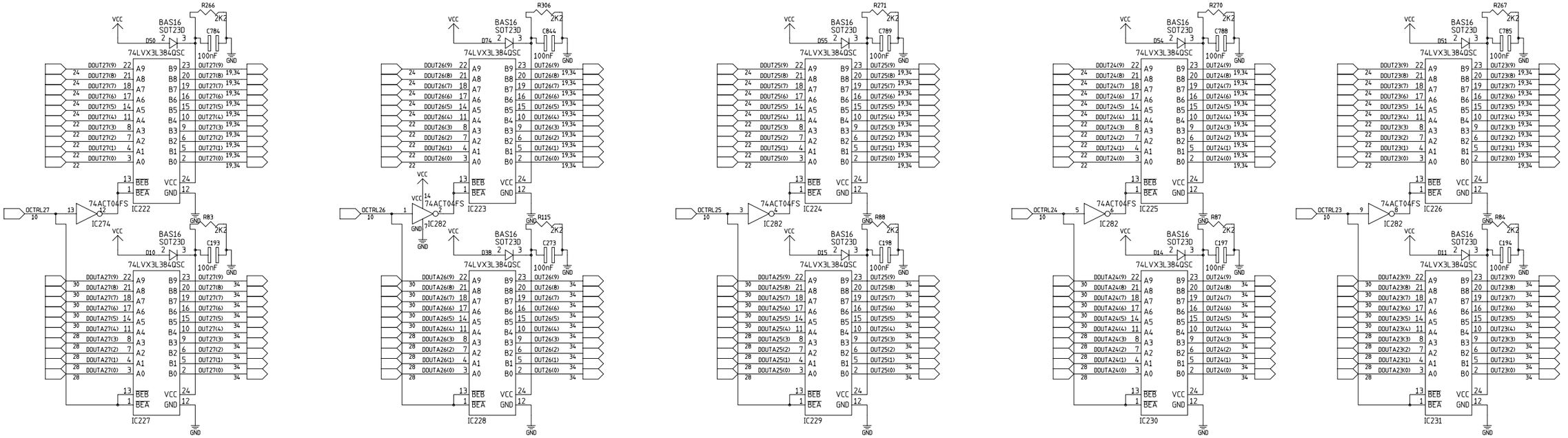




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Crosspoint Board
VSW-33 (34/39)
BOARD NO. 1-645-273-12

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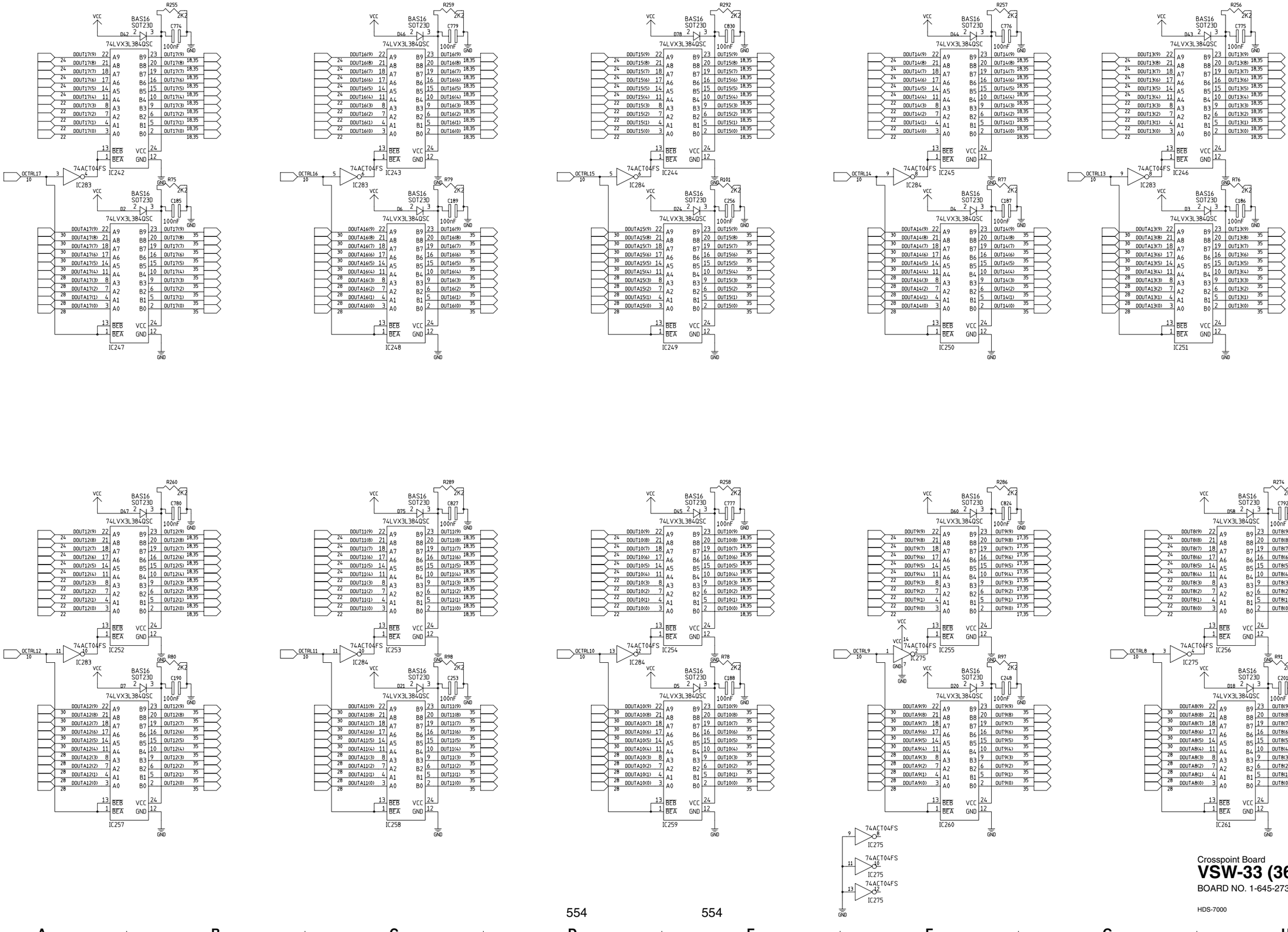
Crosspoint Board
VSW-33 (35/39)
BOARD NO. 1-645-273-12

HDS-7000

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HDS-7000



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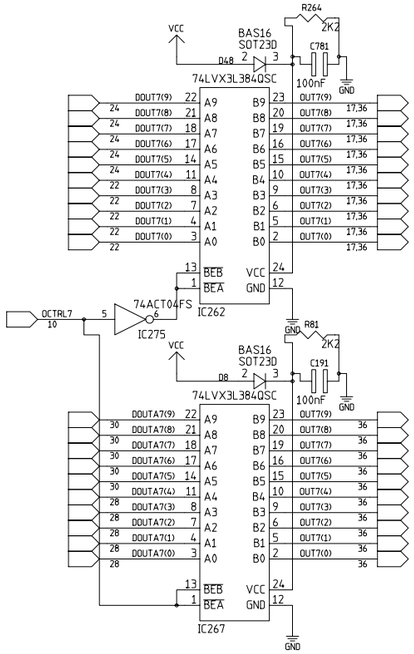
Crosspoint Board

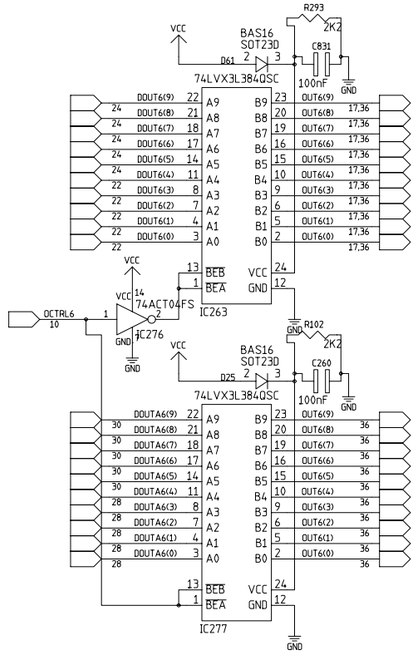
VSW-33 (36/39)

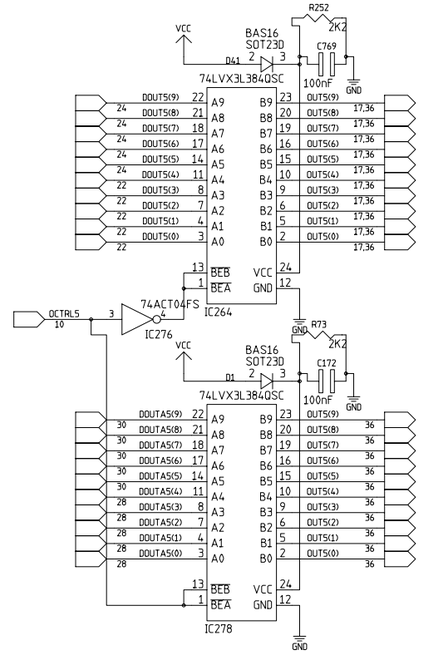
BOARD NO. 1-645-273-12

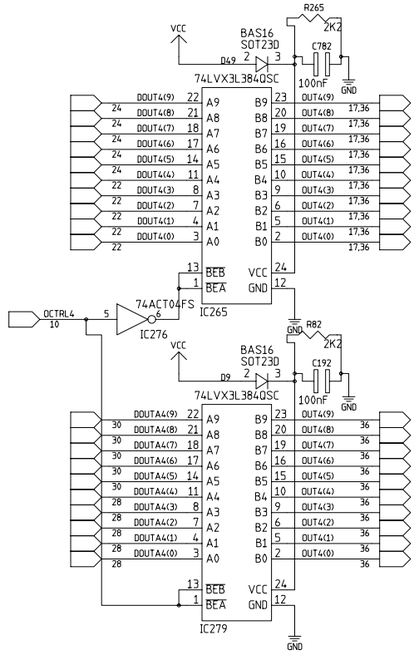
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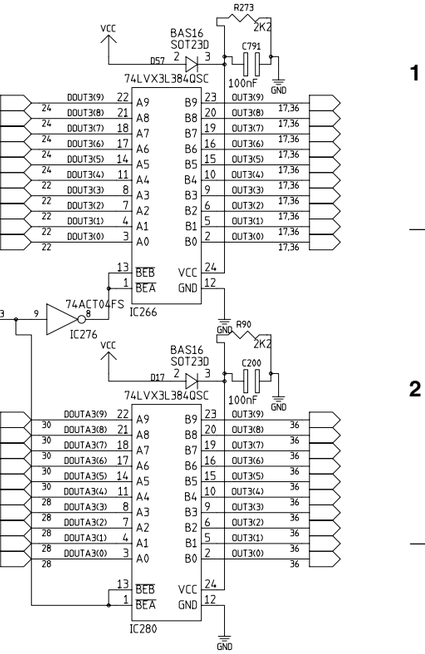
VSW-33 (37/39)

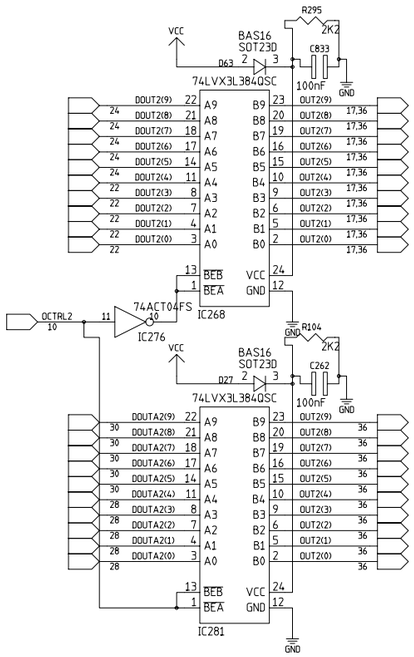


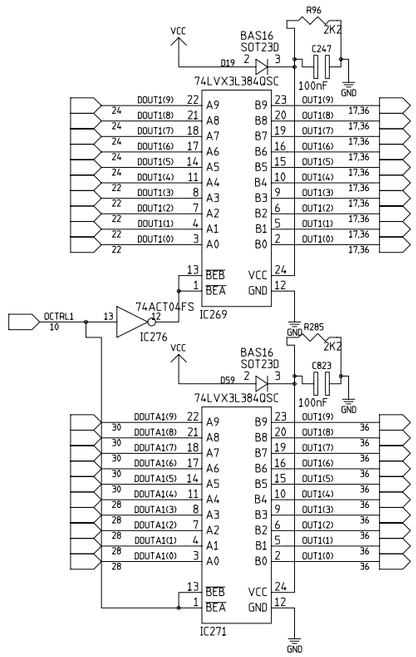


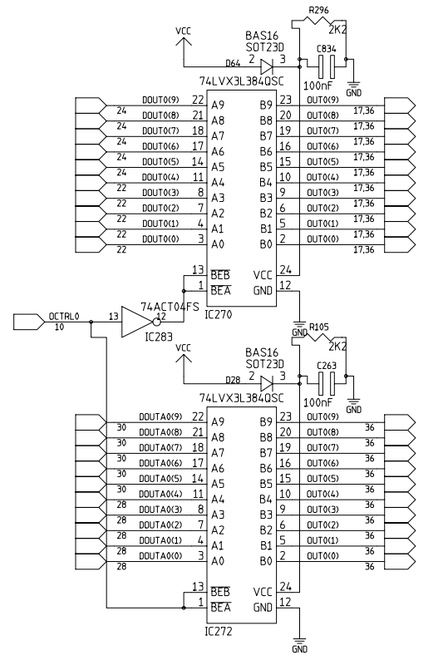












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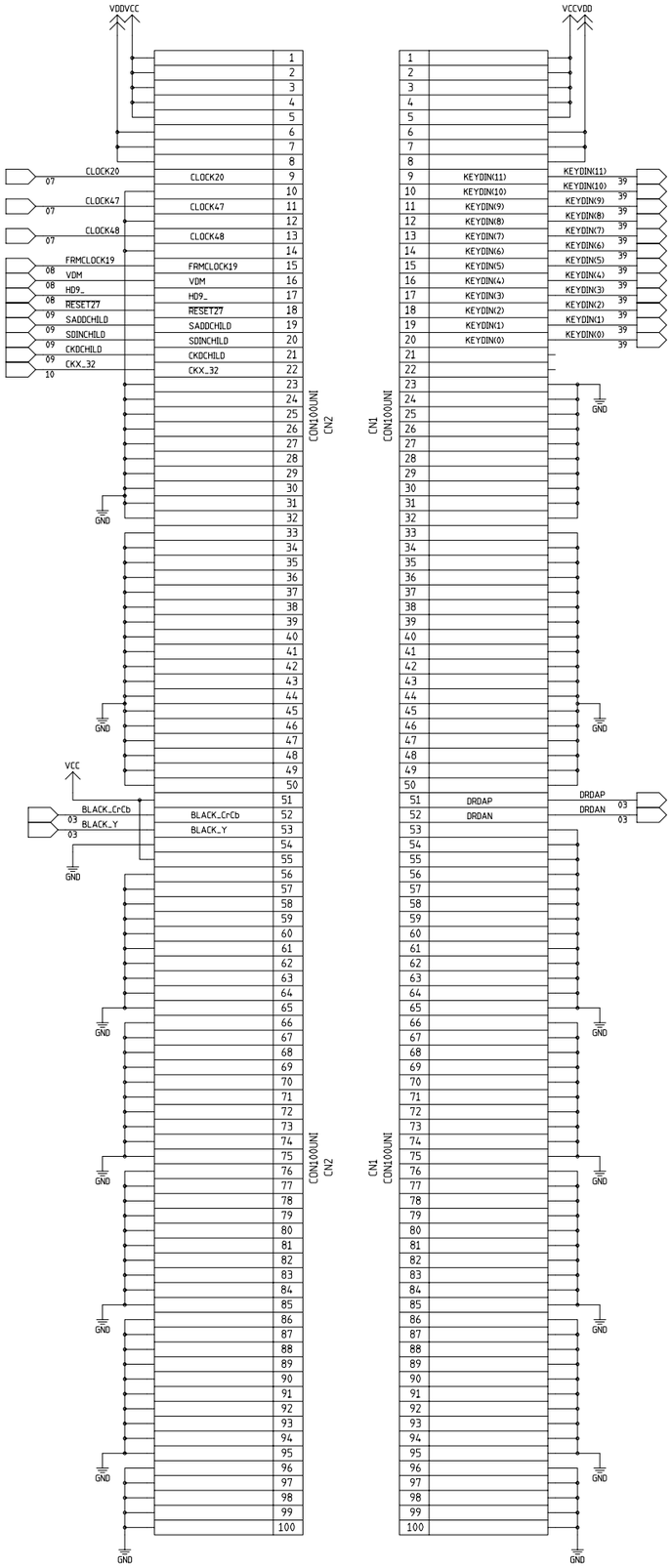
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Crosspoint Board
VSW-33 (37/39)
BOARD NO. 1-645-273-12

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VSW-33 (38/39)



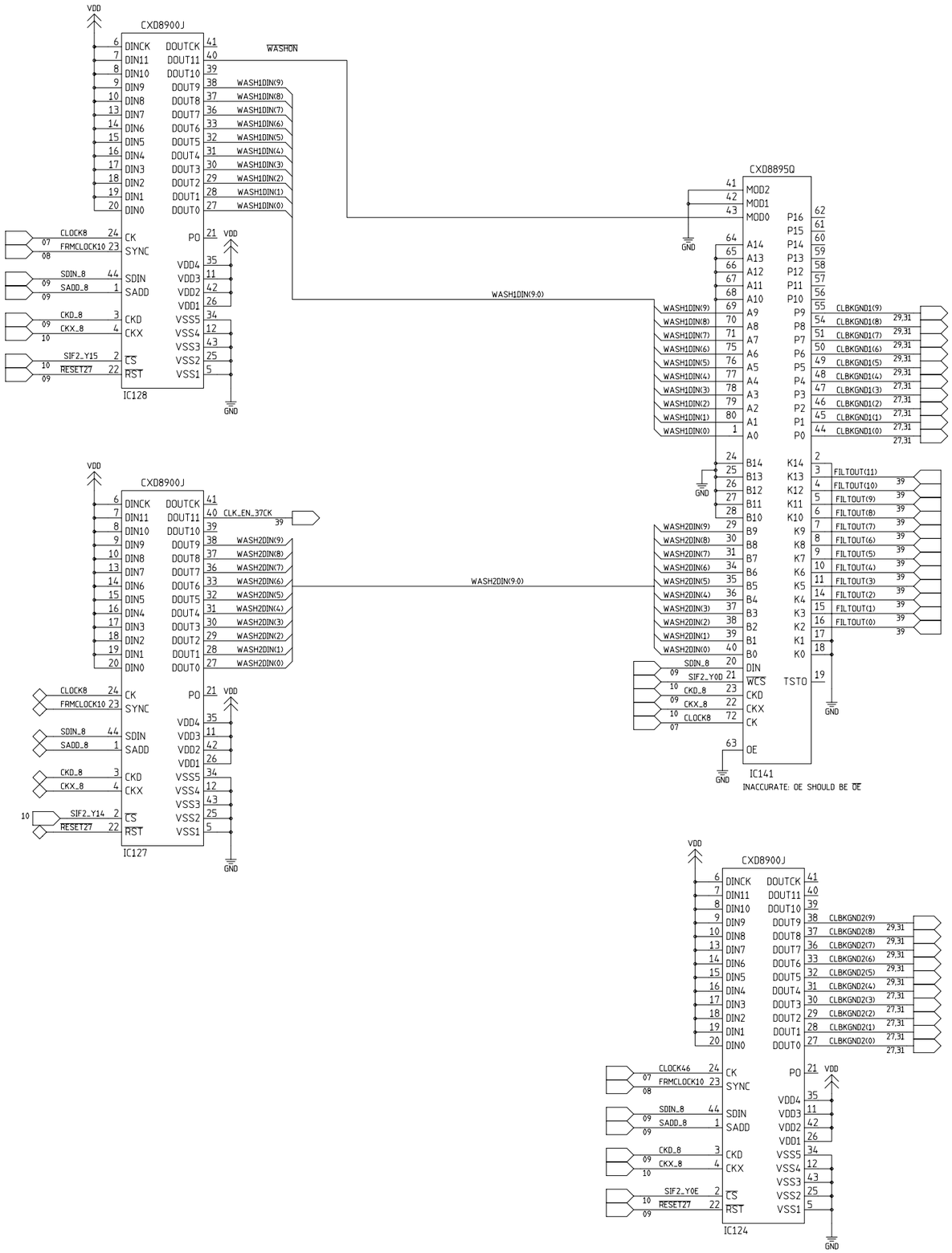
Crosspoint Board
VSW-33 (38/39)
BOARD NO. 1-645-273-12

HDS-7000

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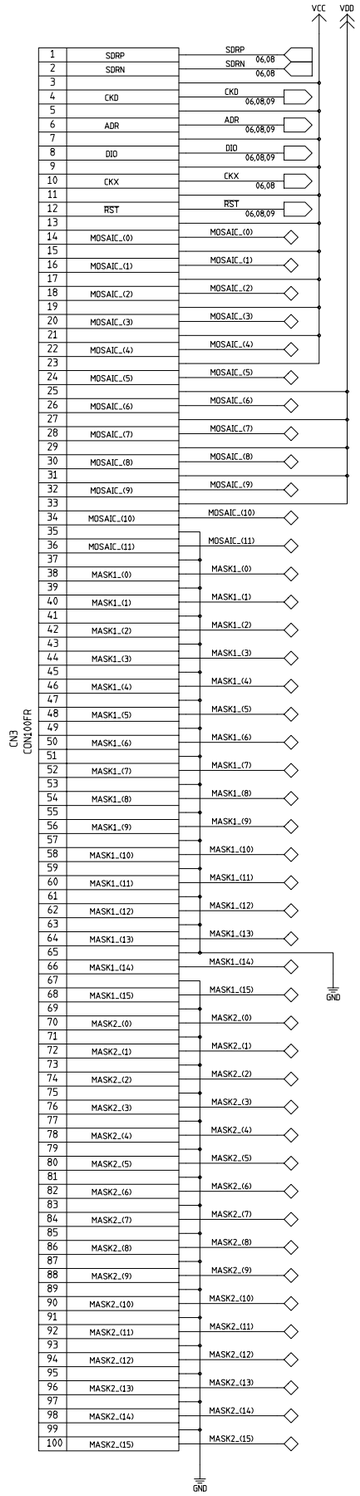
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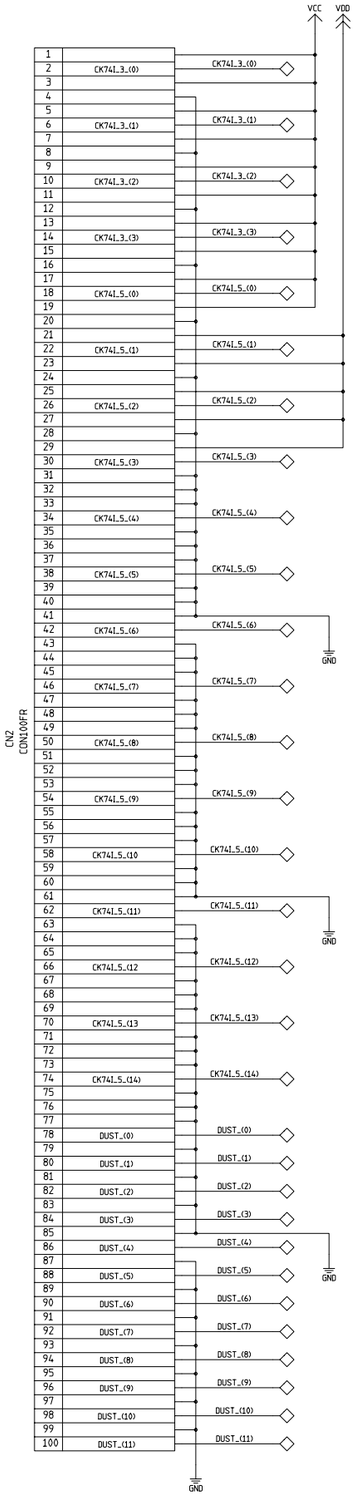
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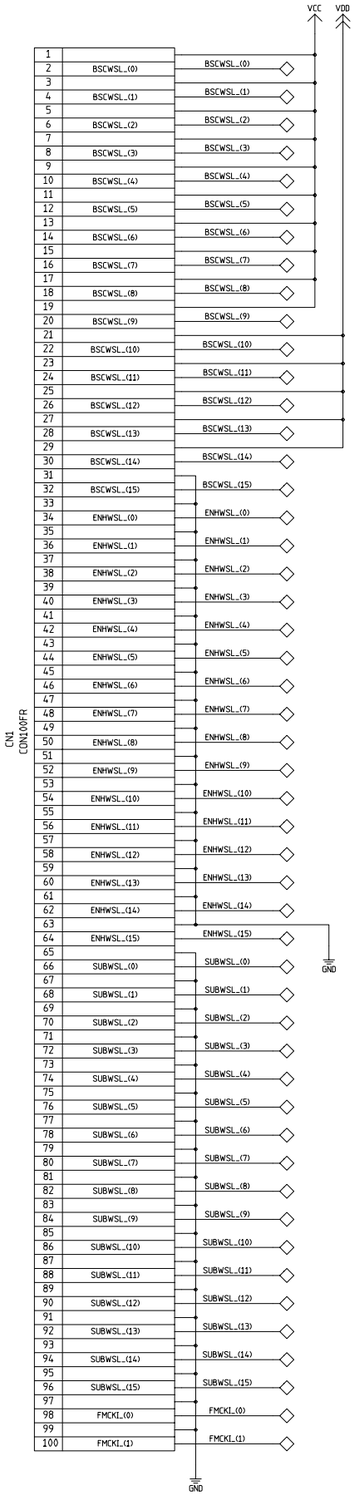


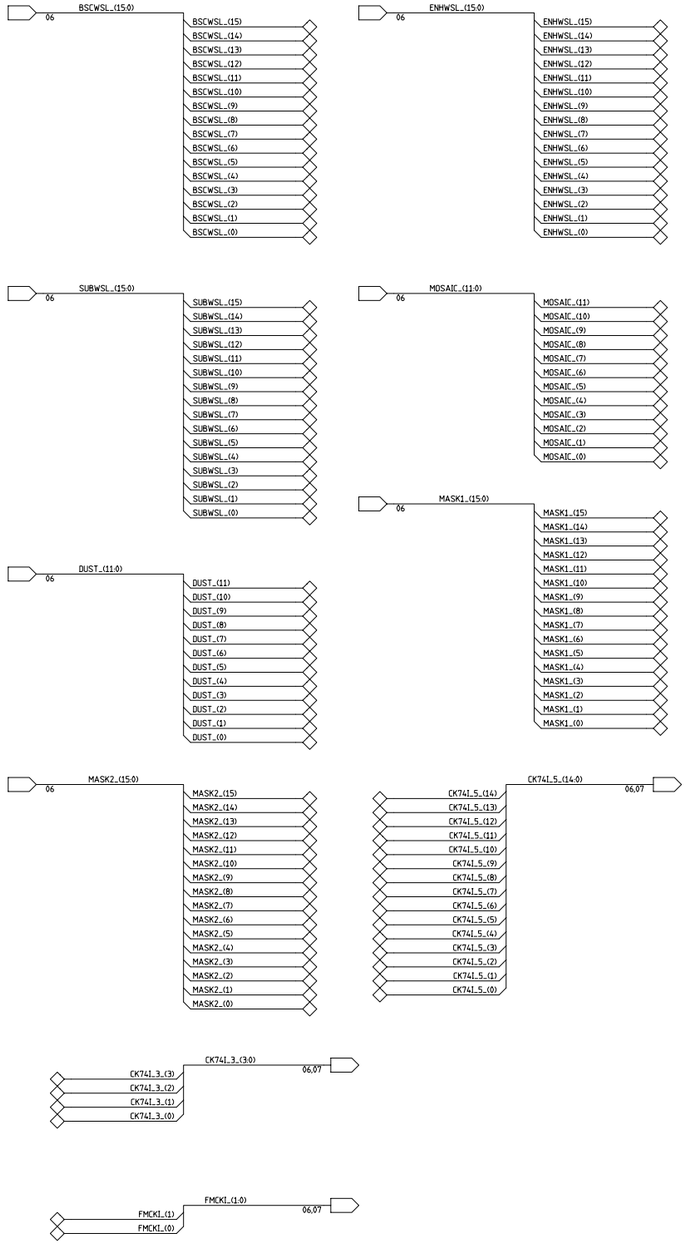
Crosspoint Board
VSW-33 (39/39)
BOARD NO. 1-645-273-12

HDS-7000



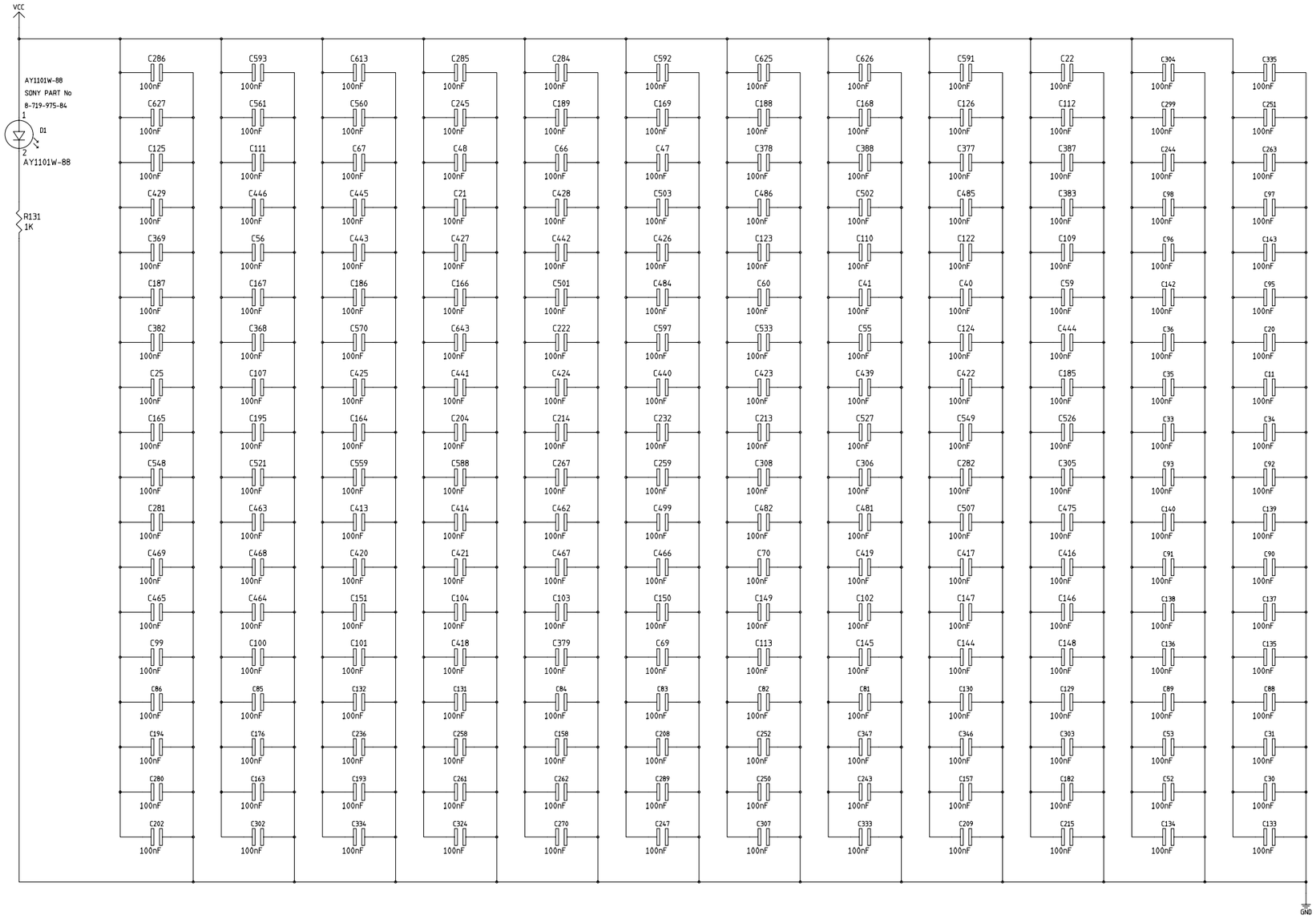


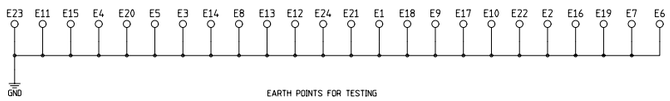




Wipe Generator Board
WKG-25 (1/50)
BOARD NO. 1-668-548-11

HDS-7000



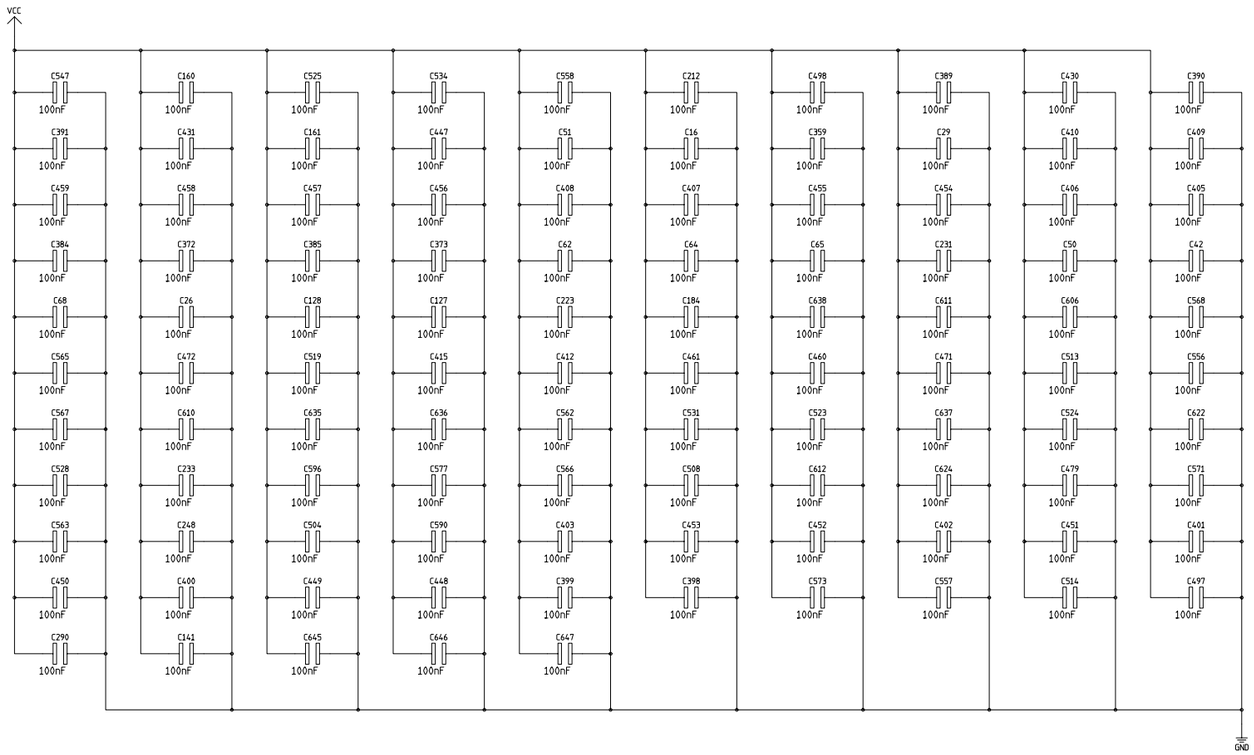


Wipe Generator Board
WKG-25 (2/50)
BOARD NO. 1-668-548-11

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WKG-25 (3/50)



Wipe Generator Board
WKG-25 (3/50)
BOARD NO. 1-668-548-11

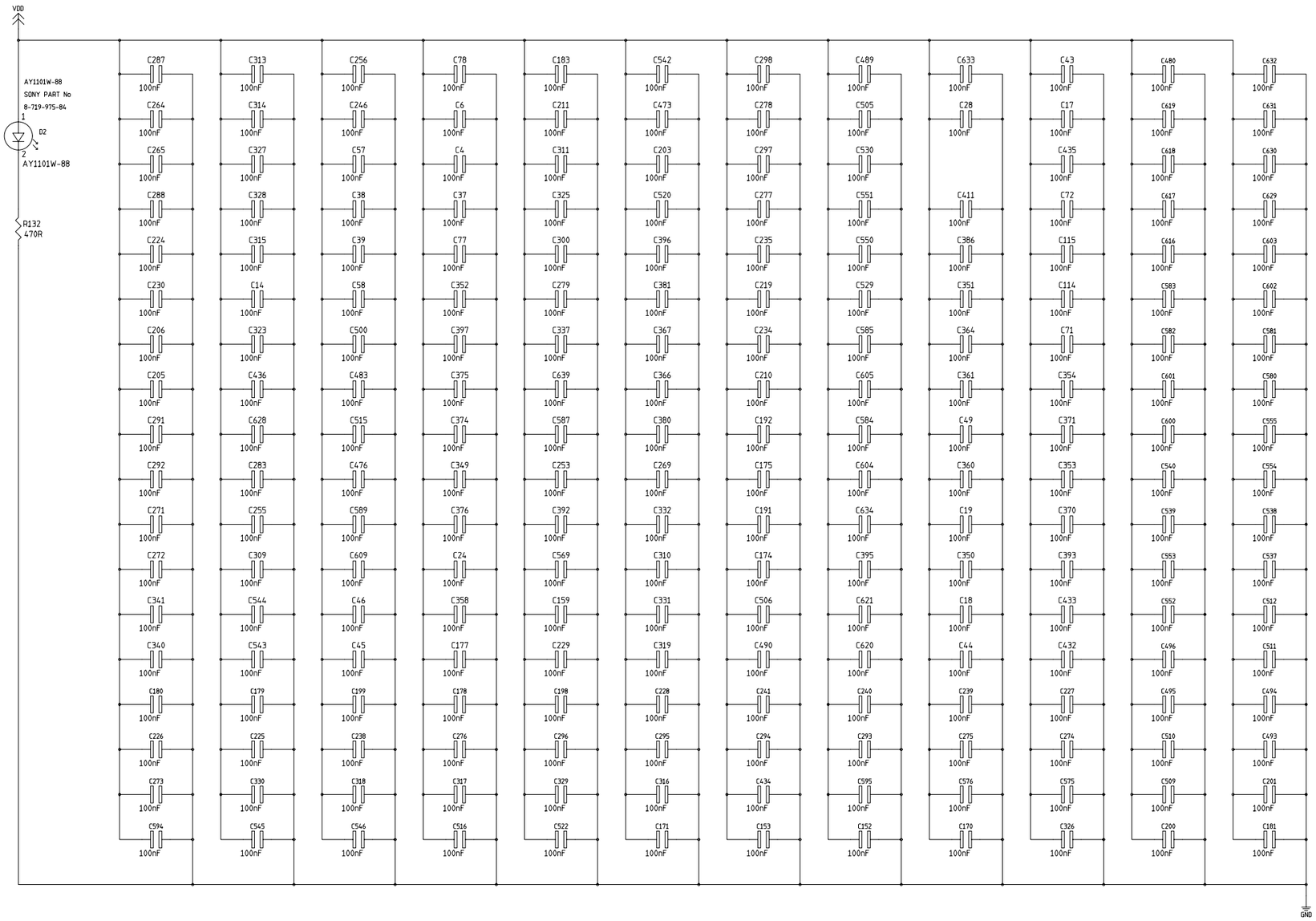
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HDS-7000

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WKG-25 (4/50)



Wipe Generator Board
WKG-25 (4/50)
BOARD NO. 1-668-548-11

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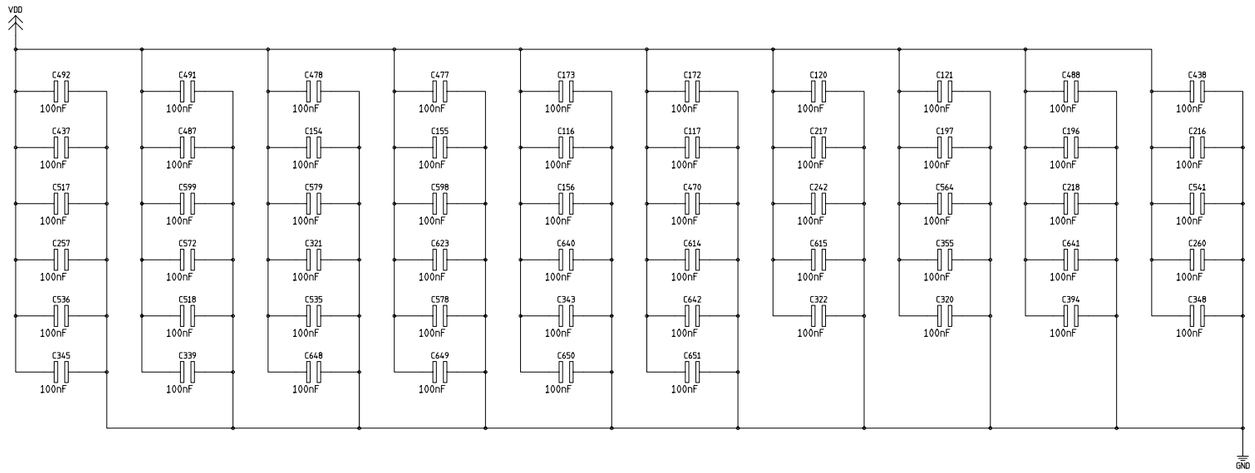
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HDS-7000

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1 2 3 4 5

WKG-25 (5/50)

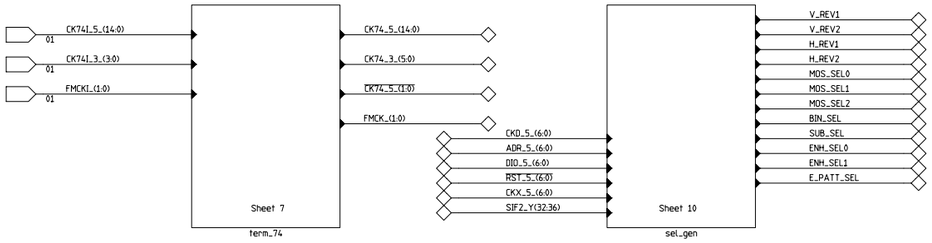


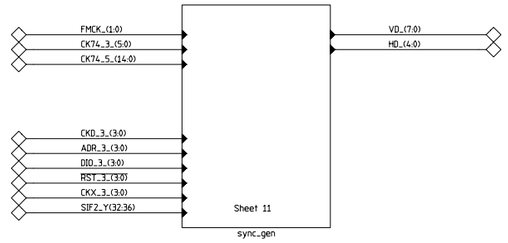
Wipe Generator Board
WKG-25 (5/50)
BOARD NO. 1-668-548-11

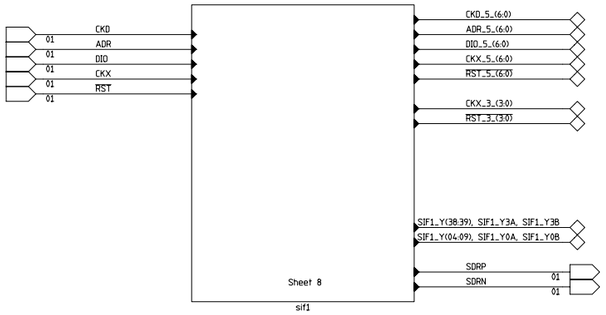
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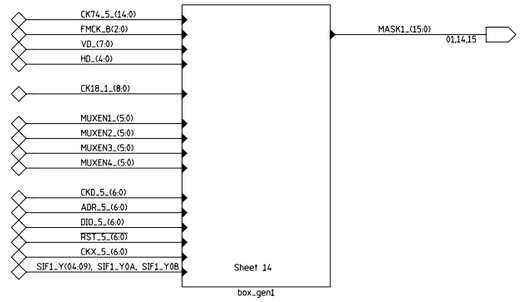
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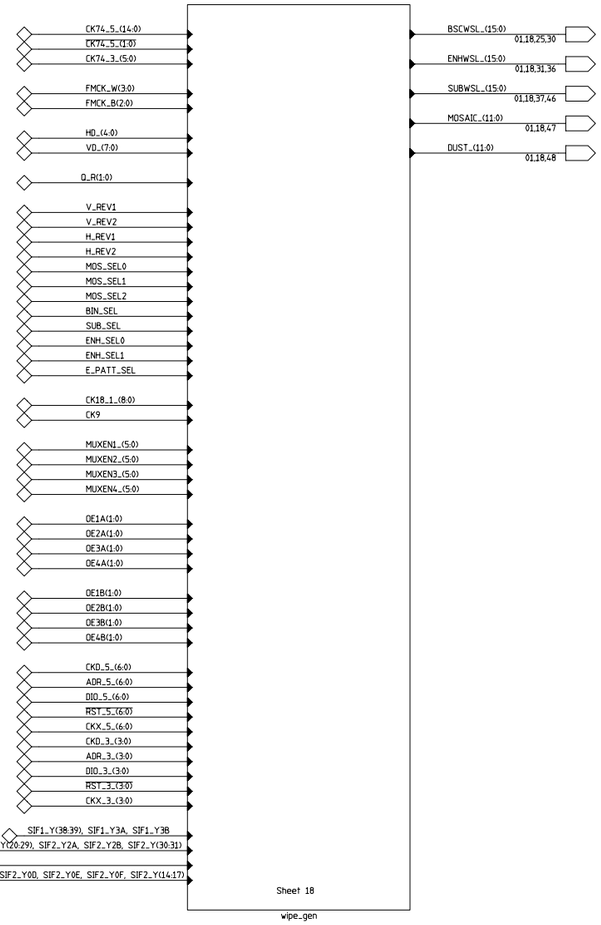
WKG-25 (6/50)

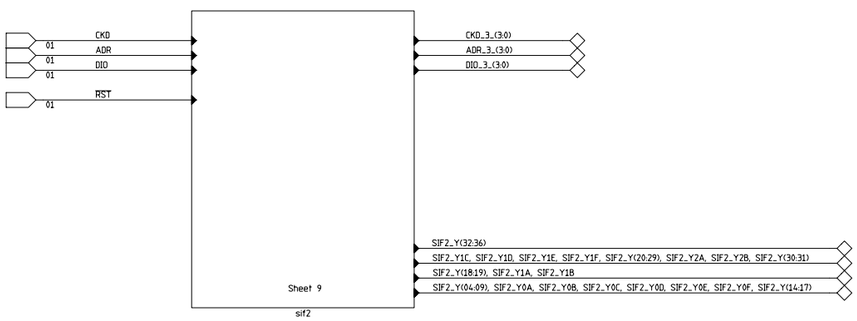


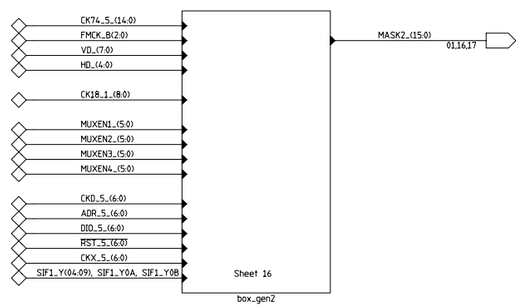


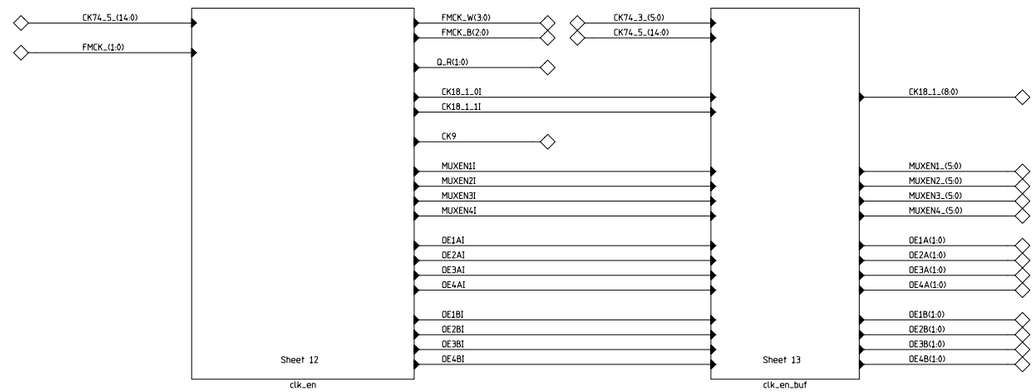








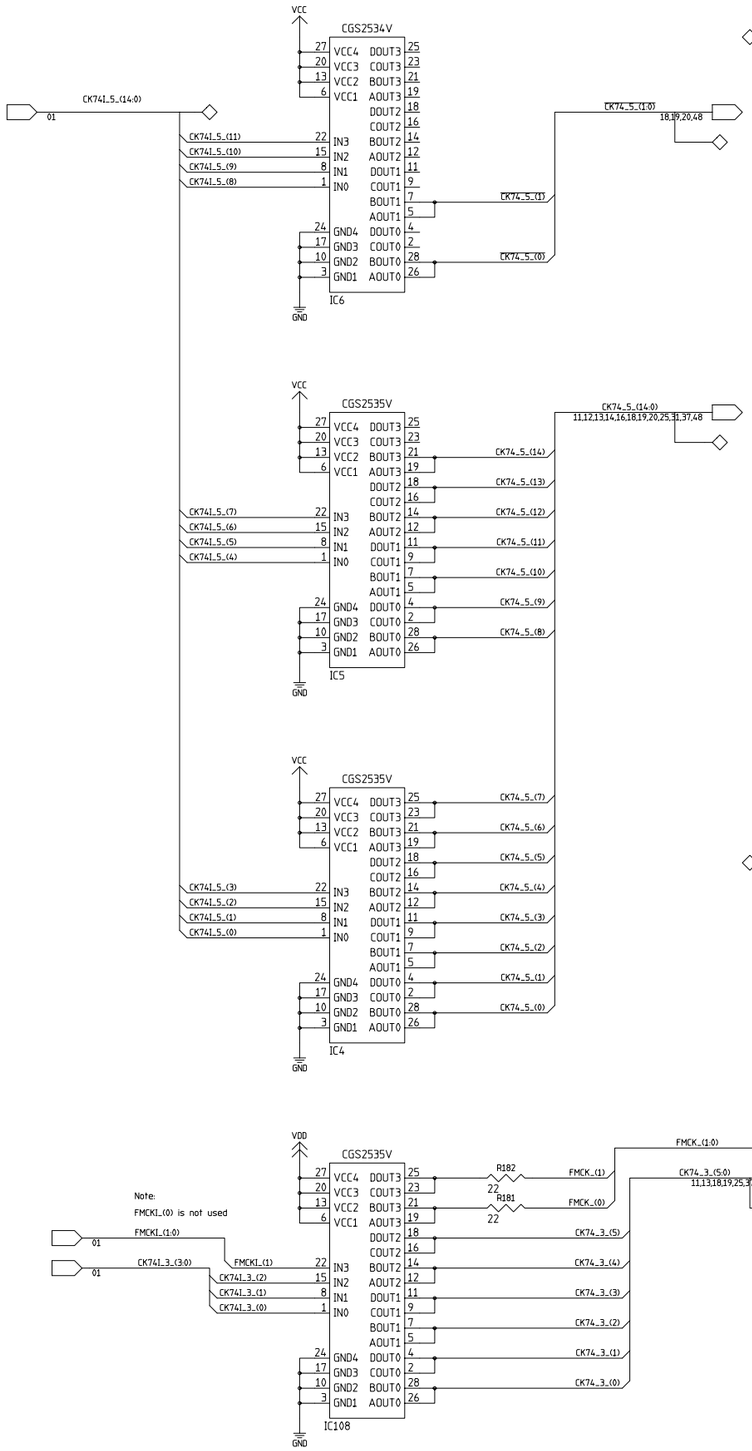


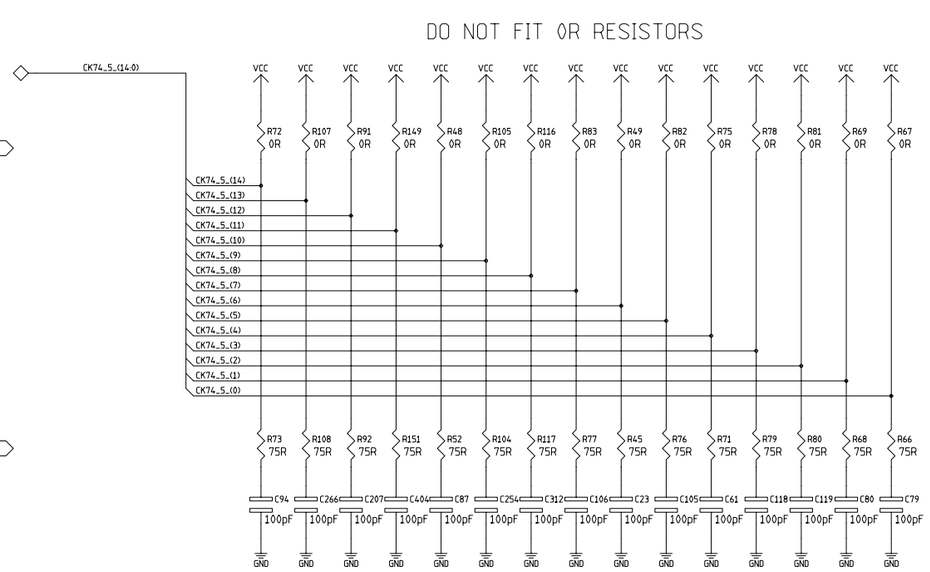


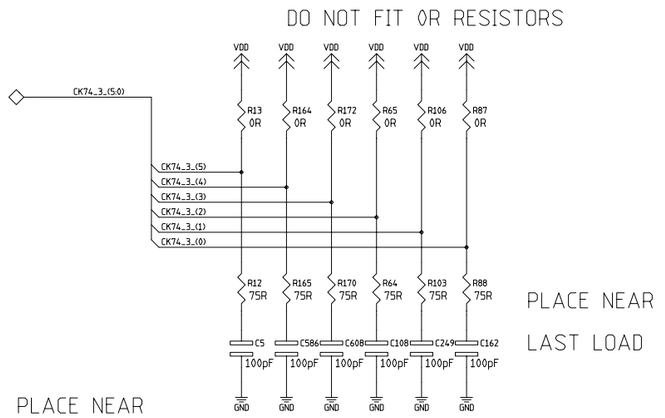
Wipe Generator Board
WKG-25 (6/50)
BOARD NO. 1-668-548-11

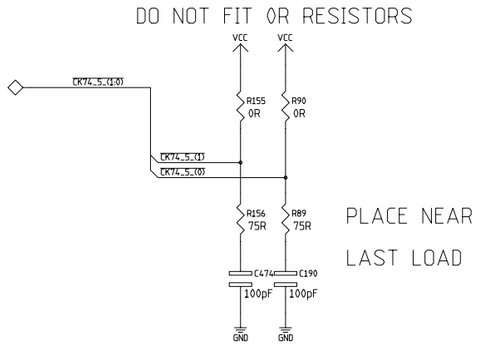
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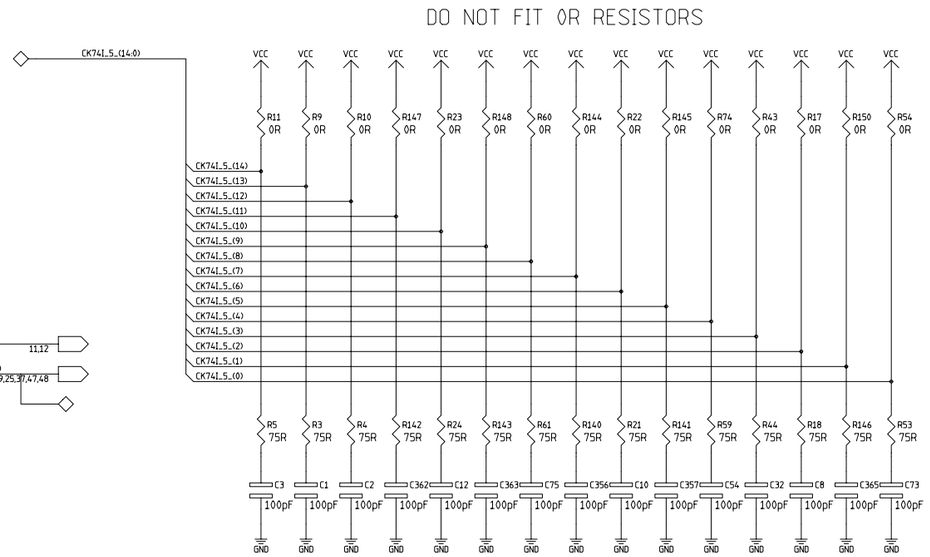
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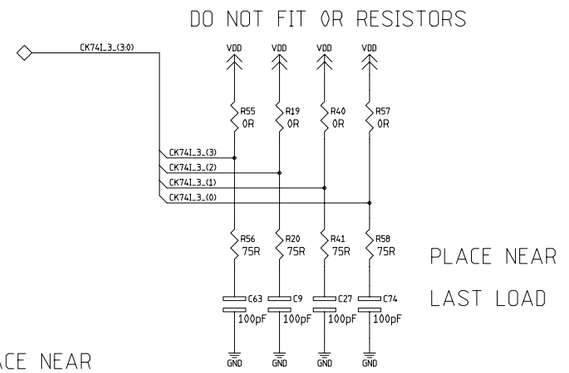








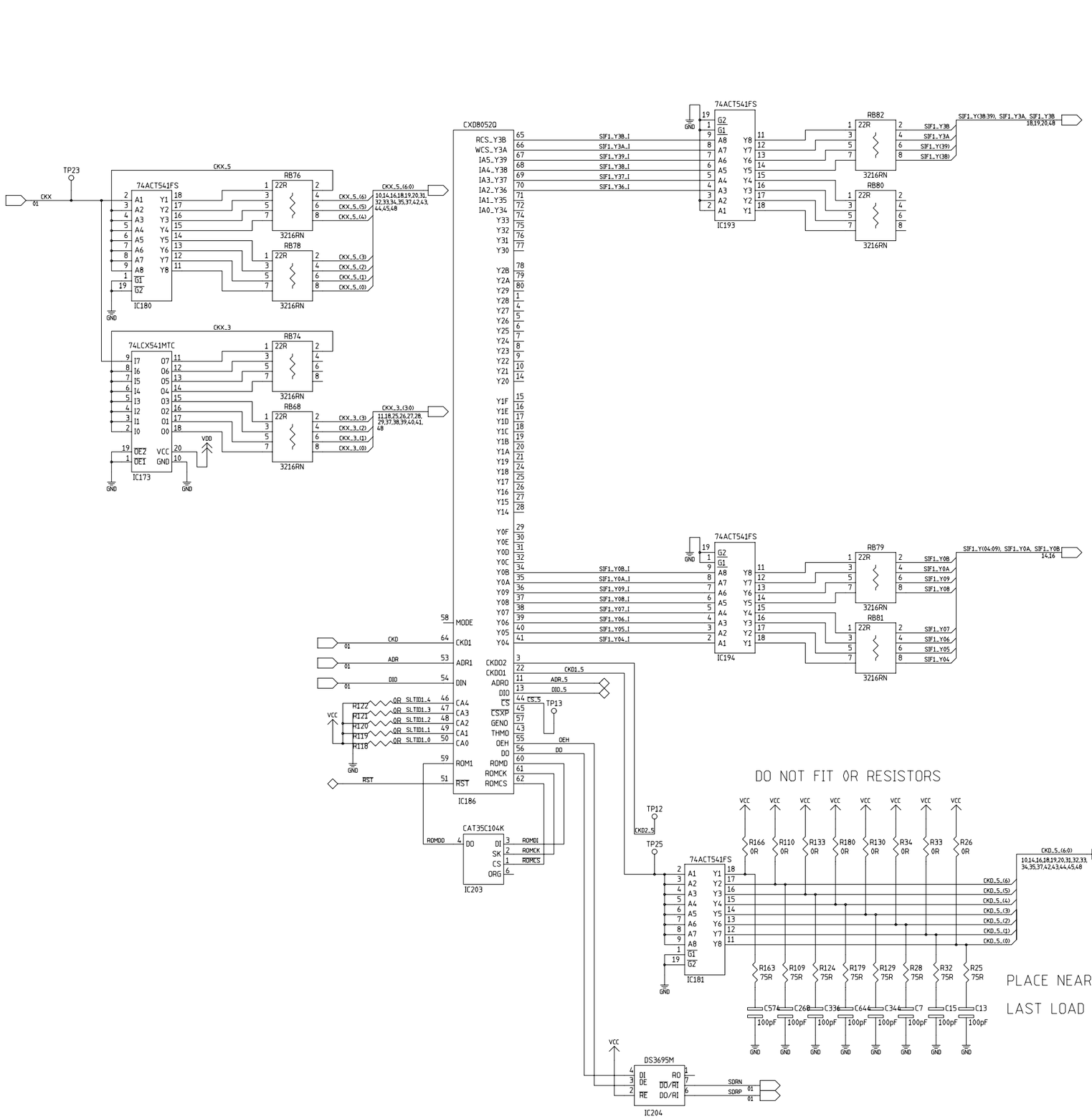


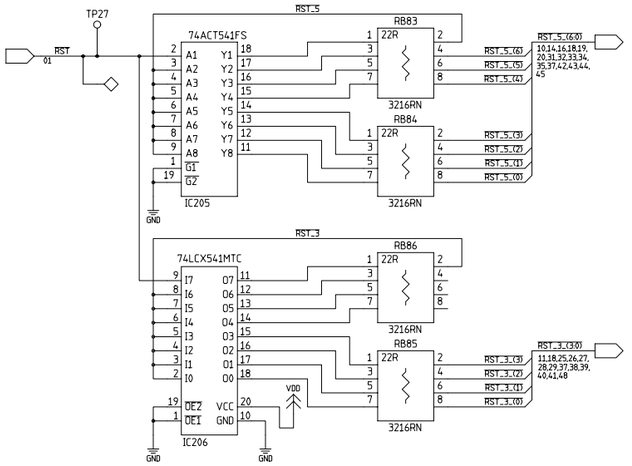


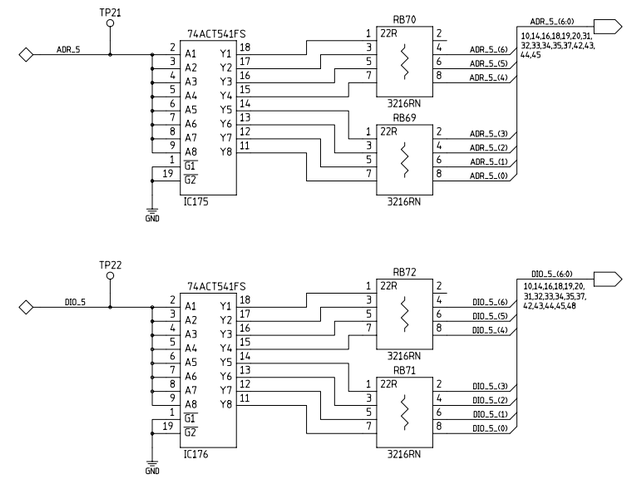
Wipe Generator Board
WKG-25 (7/50)
BOARD NO. 1-668-548-11

HDS-7000

WKG-25 (8/50)

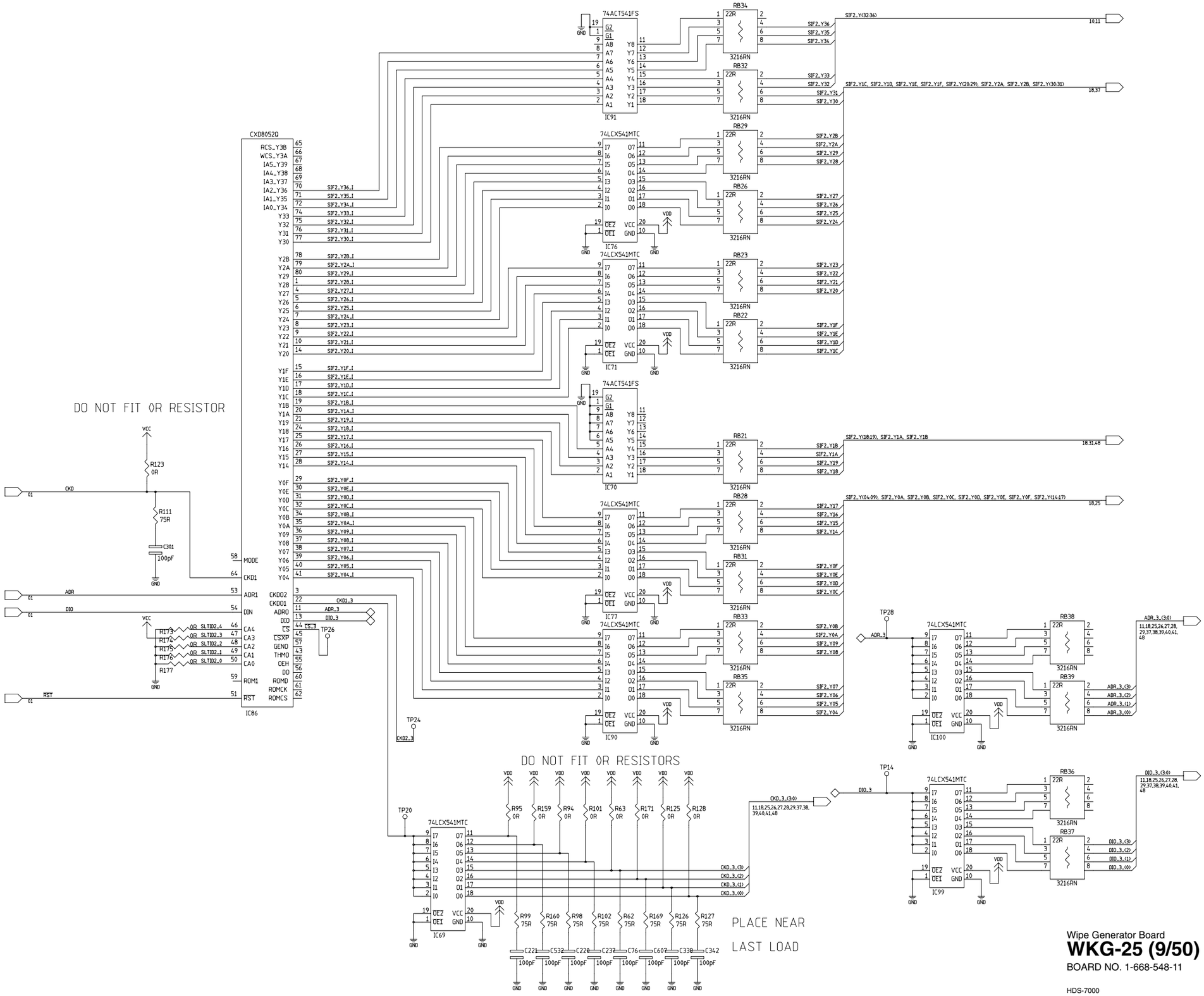






Wipe Generator Board
WKG-25 (8/50)
BOARD NO. 1-668-548-11

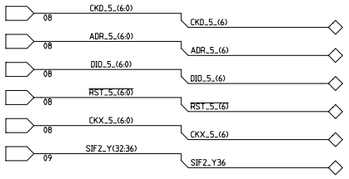
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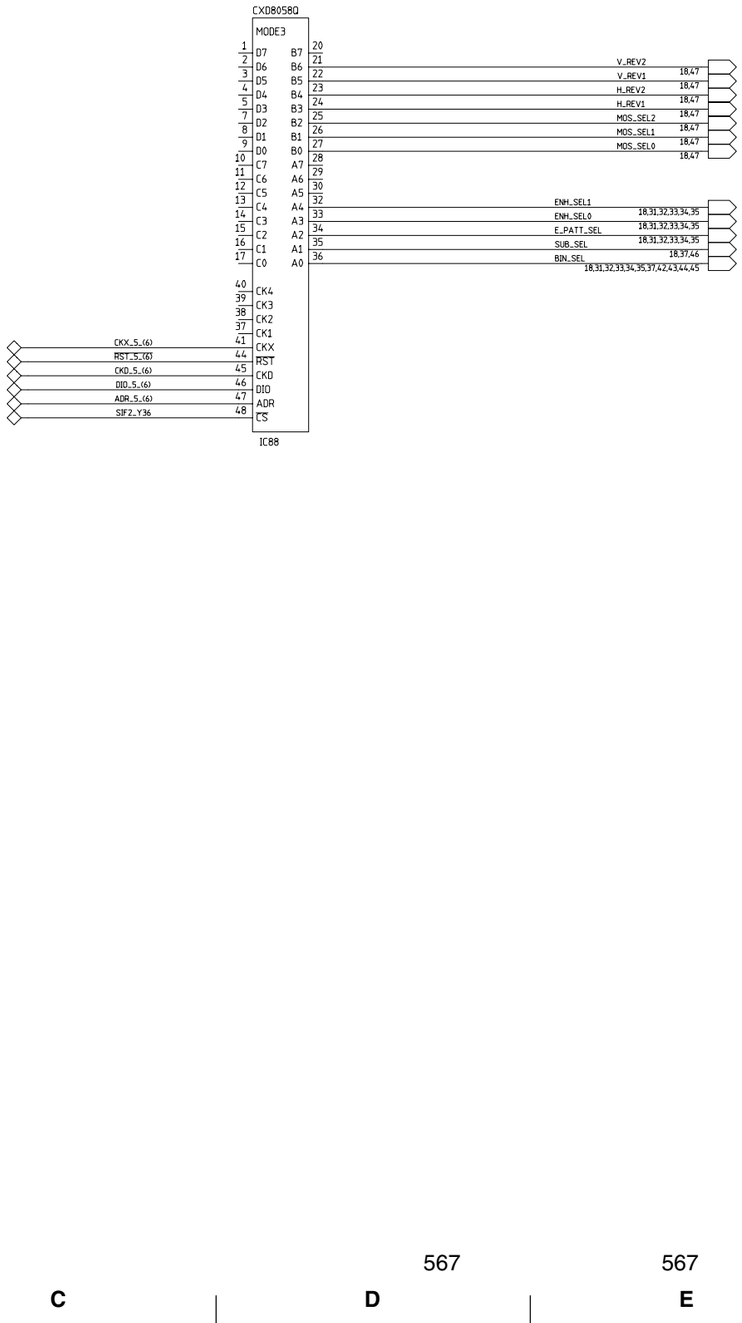


Wipe Generator Board
WKG-25 (9/50)
BOARD NO. 1-668-548-11

HDS-7000

WKG-25 (10/50)



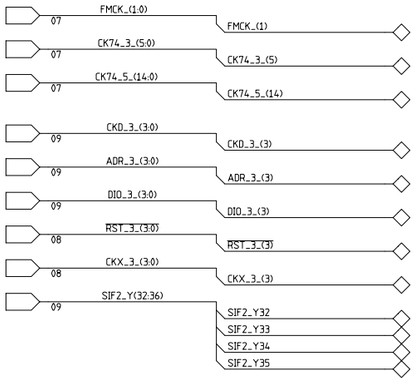


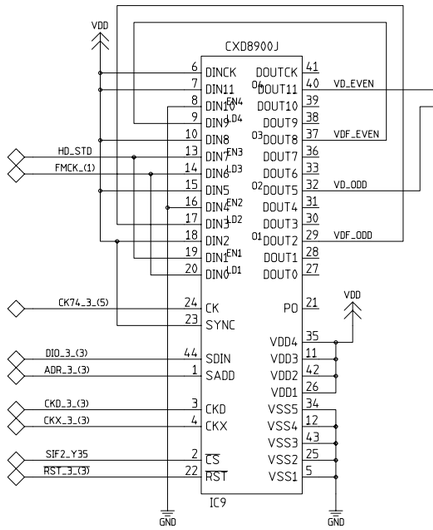
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WKG-25 (10/50)
BOARD NO. 1-668-548-11

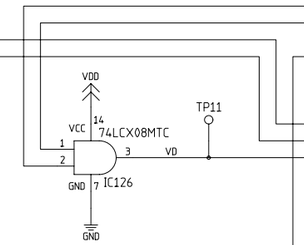
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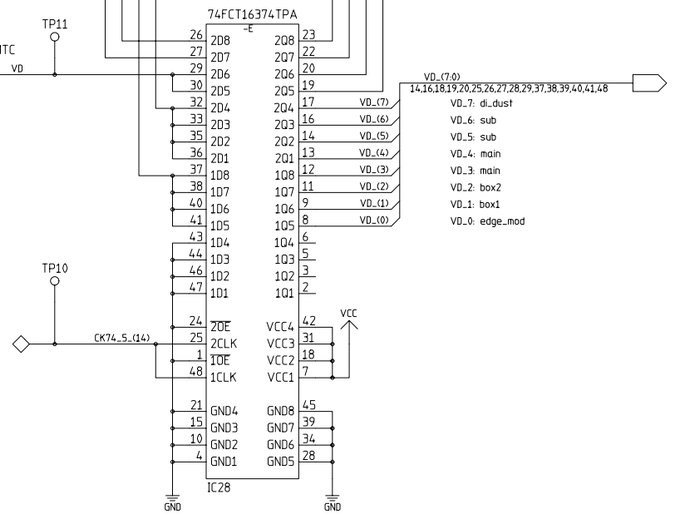
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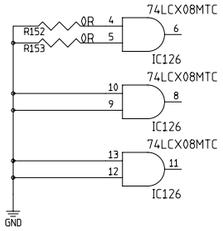
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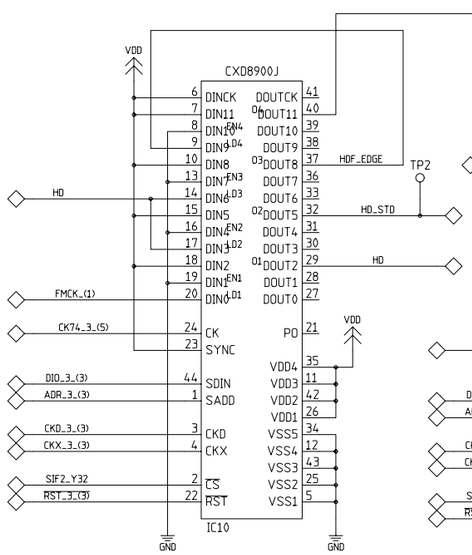


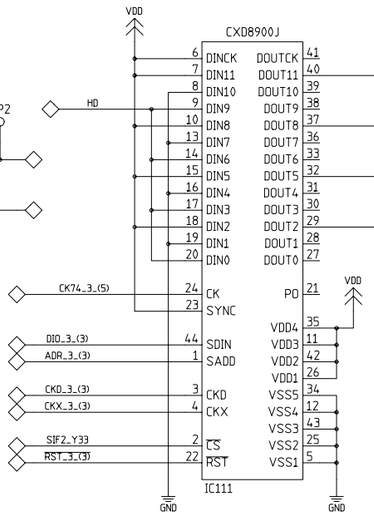


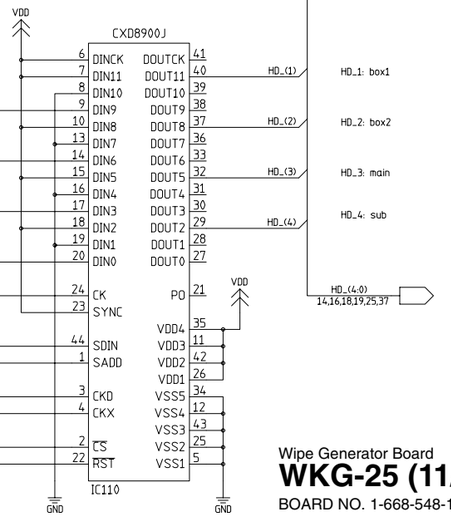








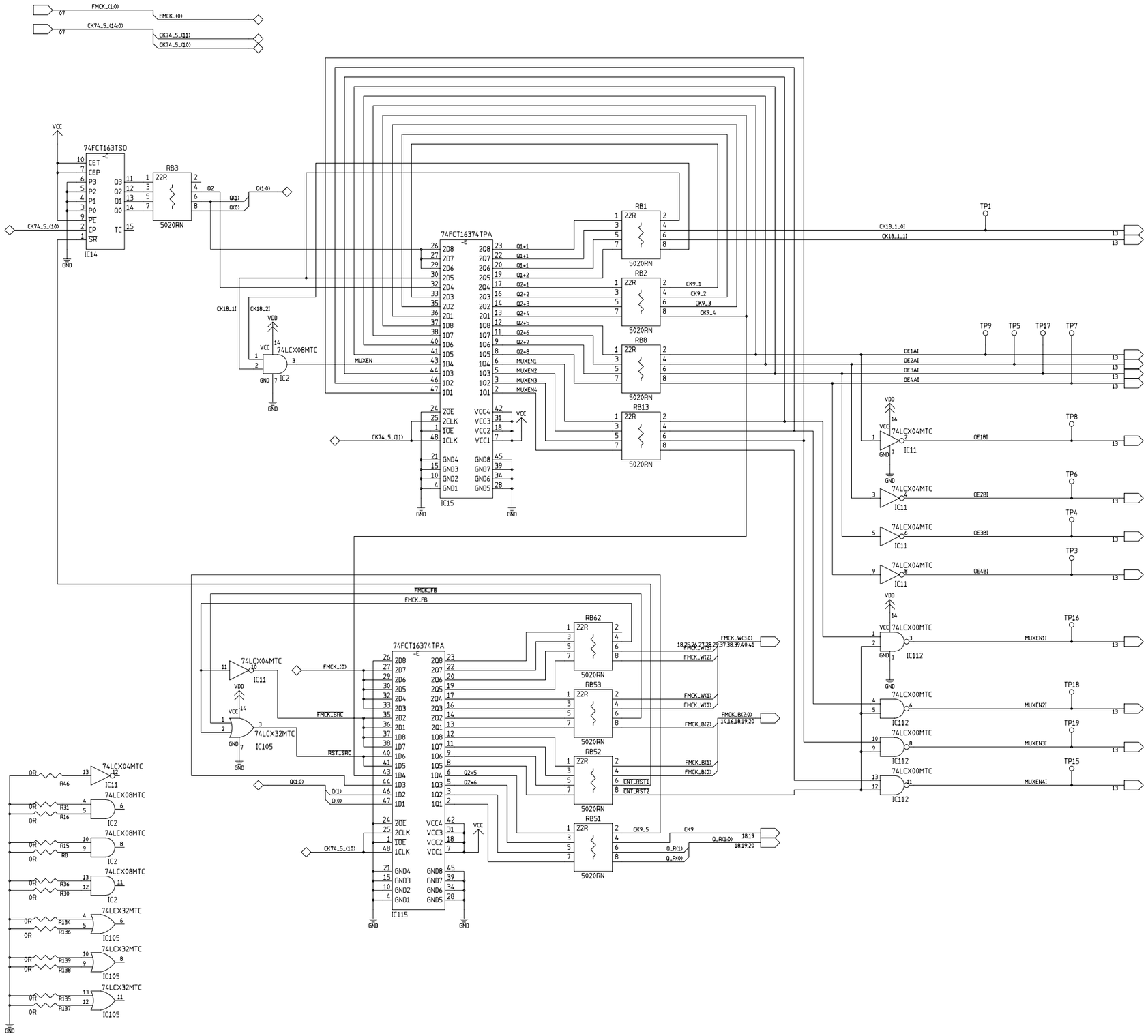




Wipe Generator Board
WKG-25 (11/50)
BOARD NO. 1-668-548-11

HDS-7000

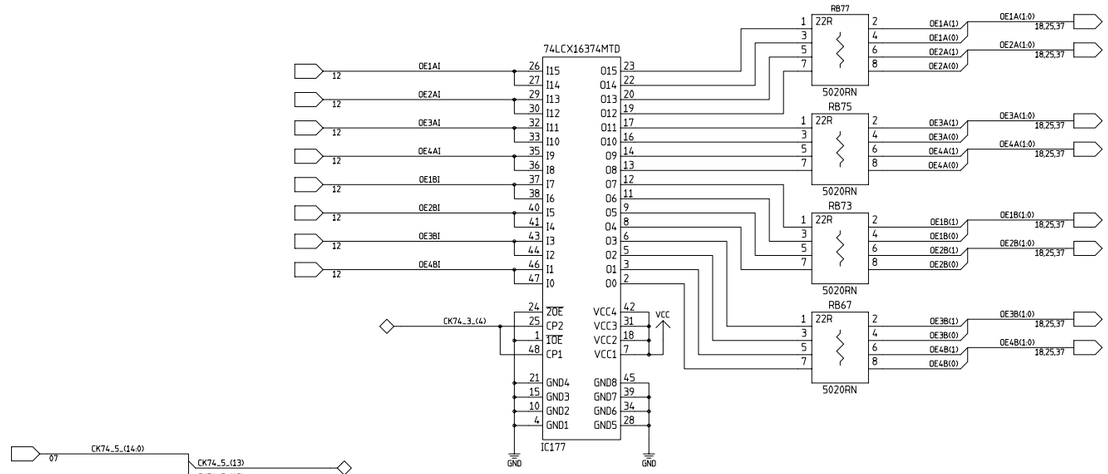
WKG-25 (12/50)

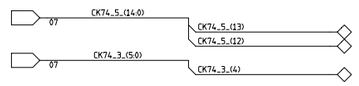


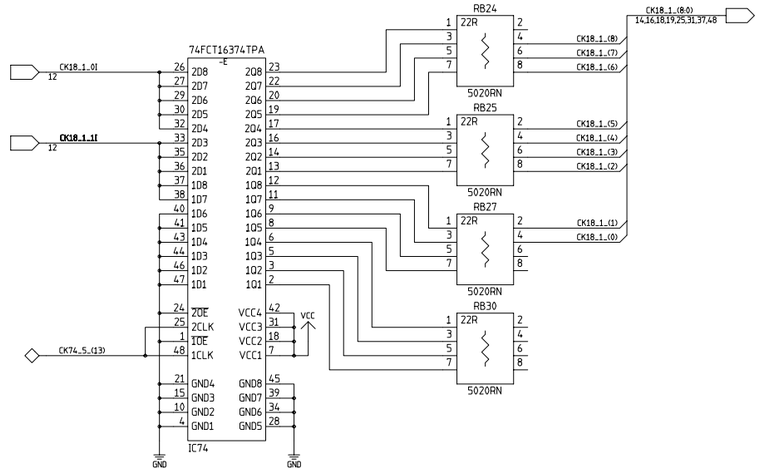
Wipe Generator Board
WKG-25 (12/50)
BOARD NO. 1-668-548-11

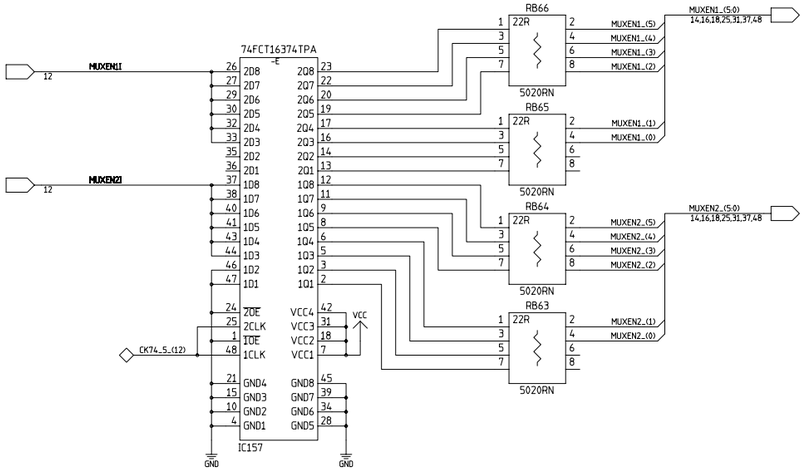
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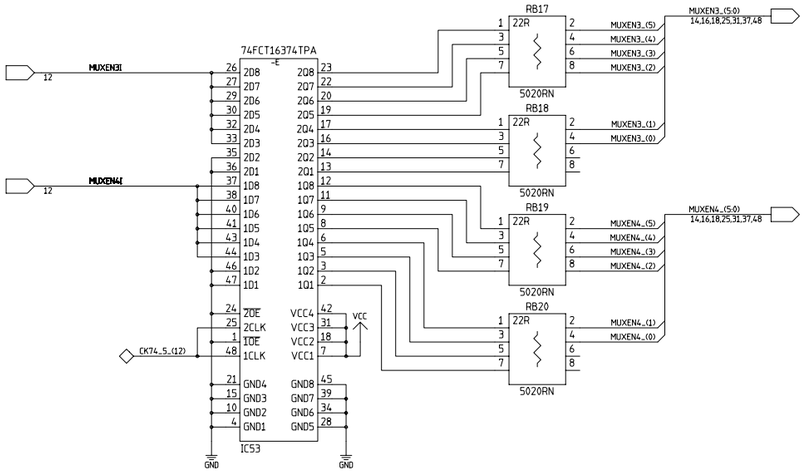
WKG-25 (13/50)









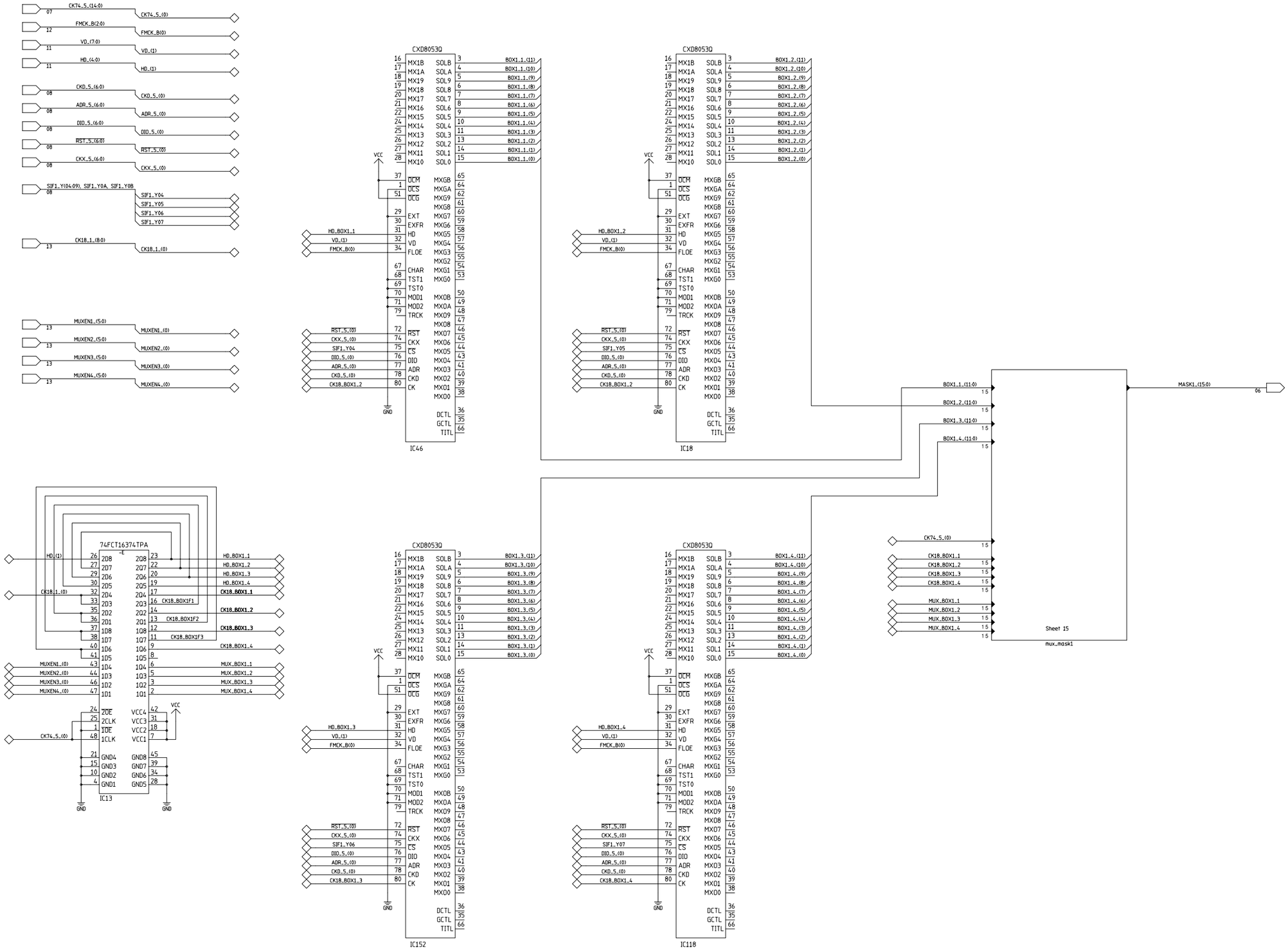


Wipe Generator Board
WKG-25 (13/50)
BOARD NO. 1-668-548-11

HDS-7000

HDS-7000

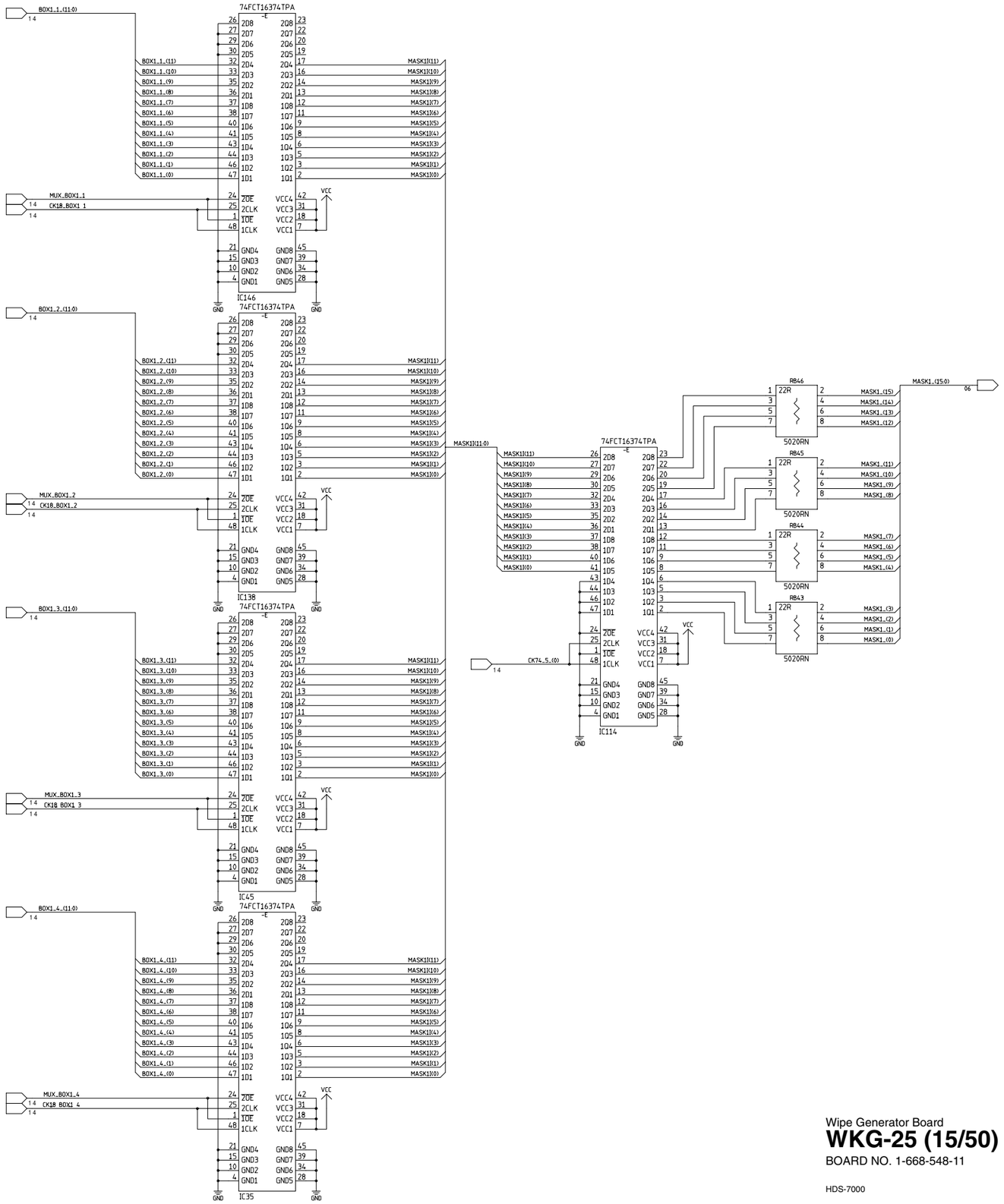
WKG-25 (14/50)



Wipe Generator Board
WKG-25 (14/50)
BOARD NO. 1-668-548-11

HDS-7000

WKG-25 (15/50)



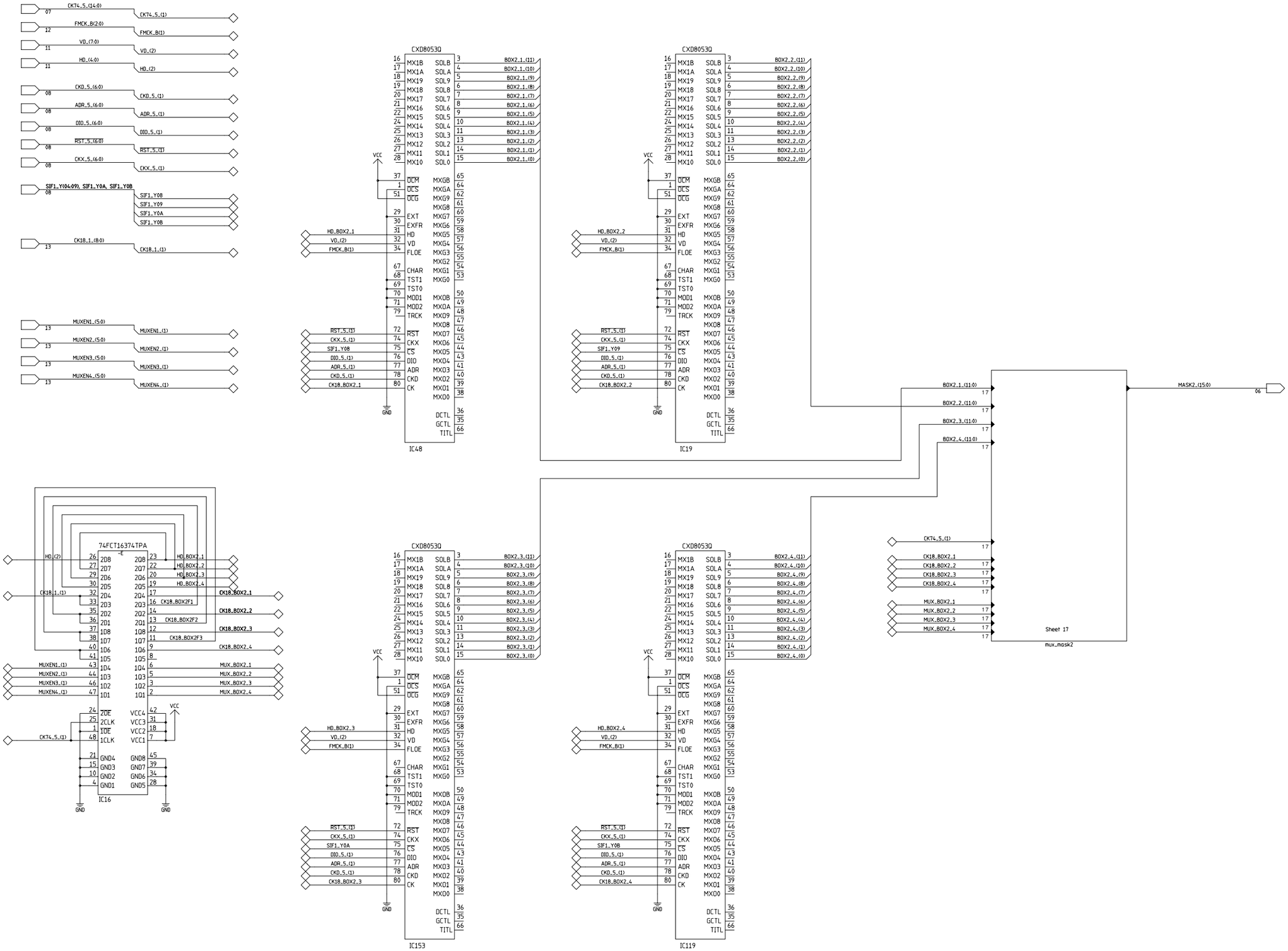
Wipe Generator Board
WKG-25 (15/50)
BOARD NO. 1-668-548-11

HDS-7000

572

HDS-7000

WKG-25 (16/50)



HDS-7000

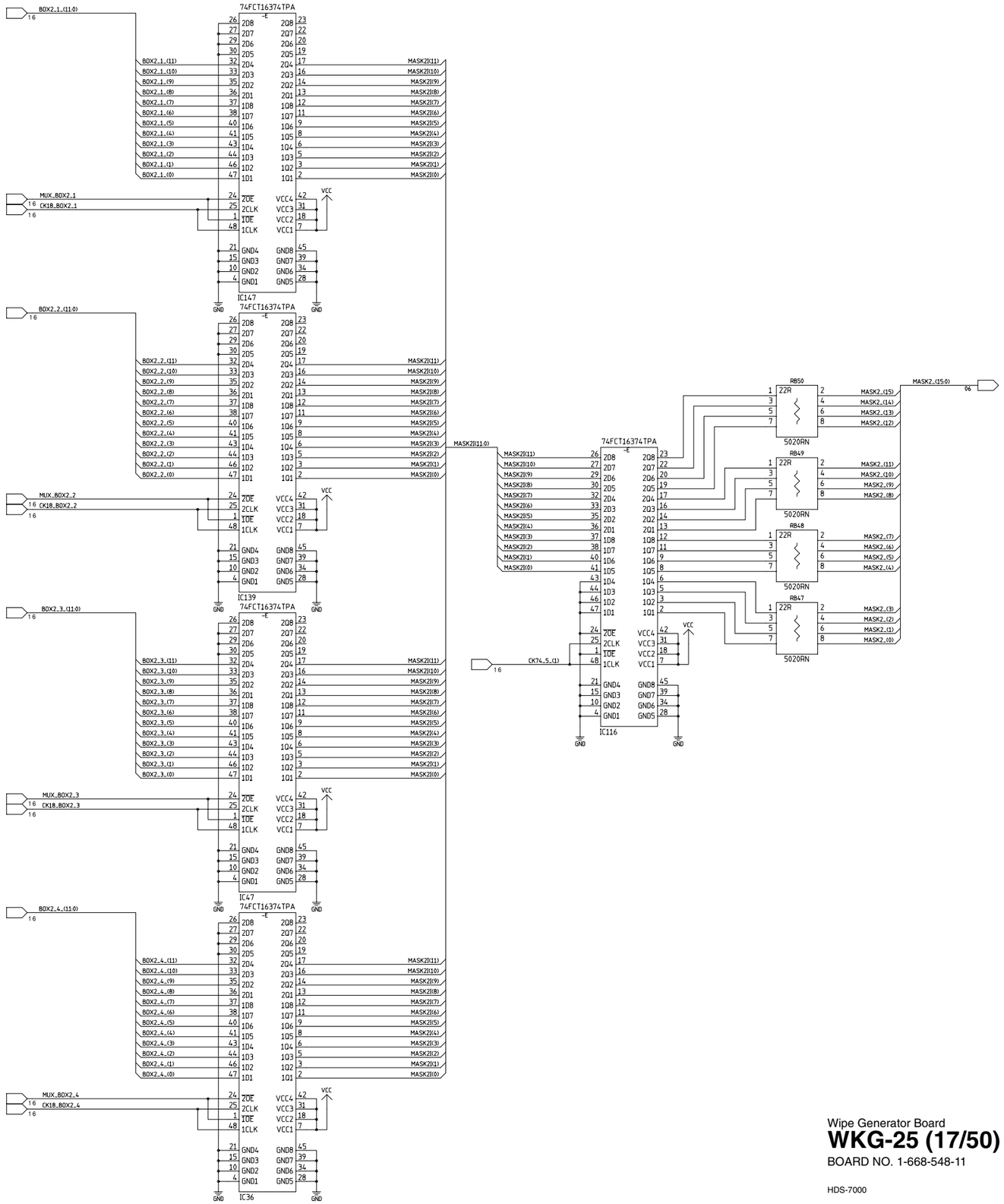
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573

HDS-7000

Wipe Generator Board
WKG-25 (16/50)
BOARD NO. 1-668-548-11

WKG-25 (17/50)

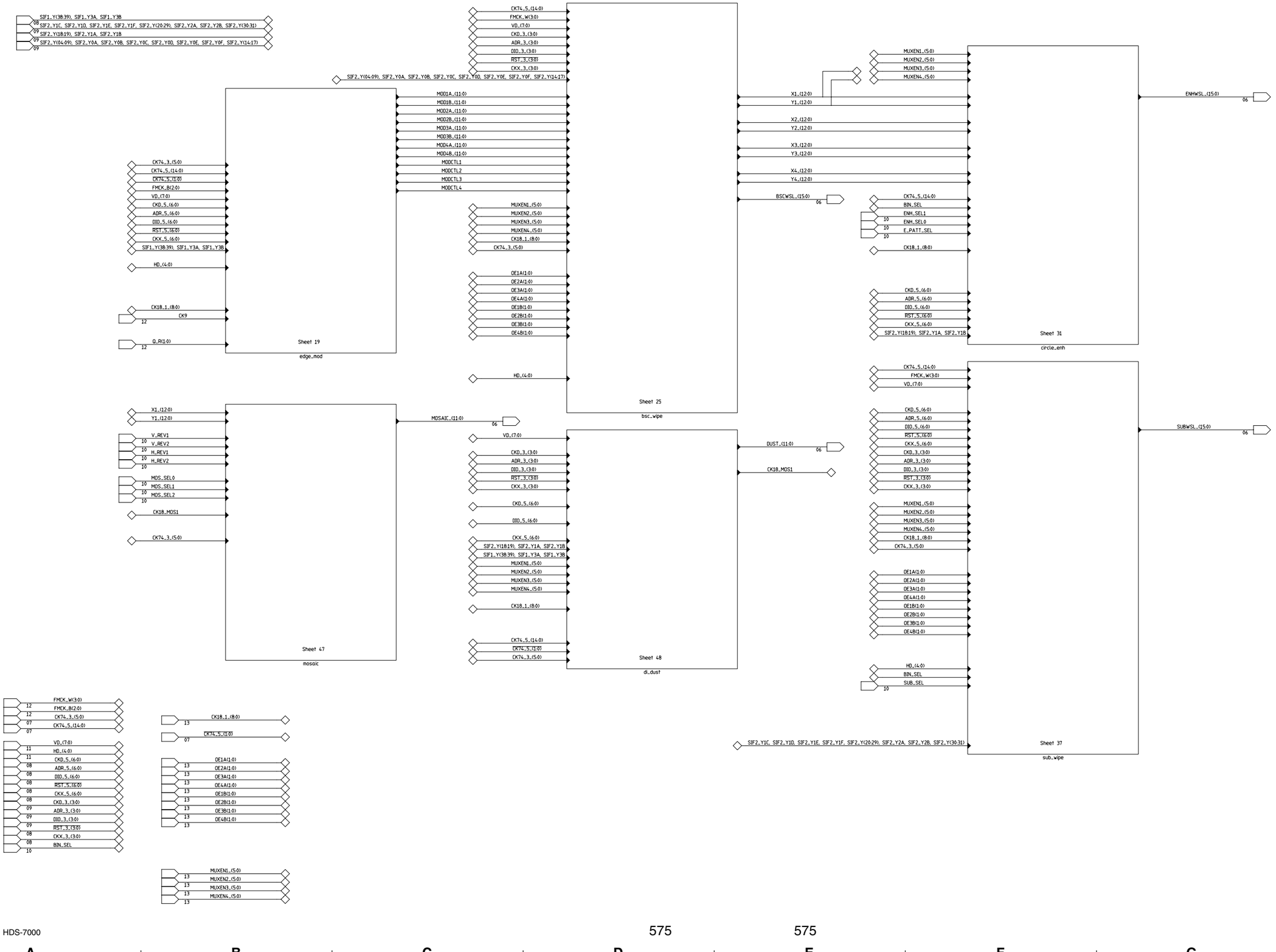


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Wipe Generator Board
WKG-25 (17/50)
BOARD NO. 1-668-548-11

HDS-7000

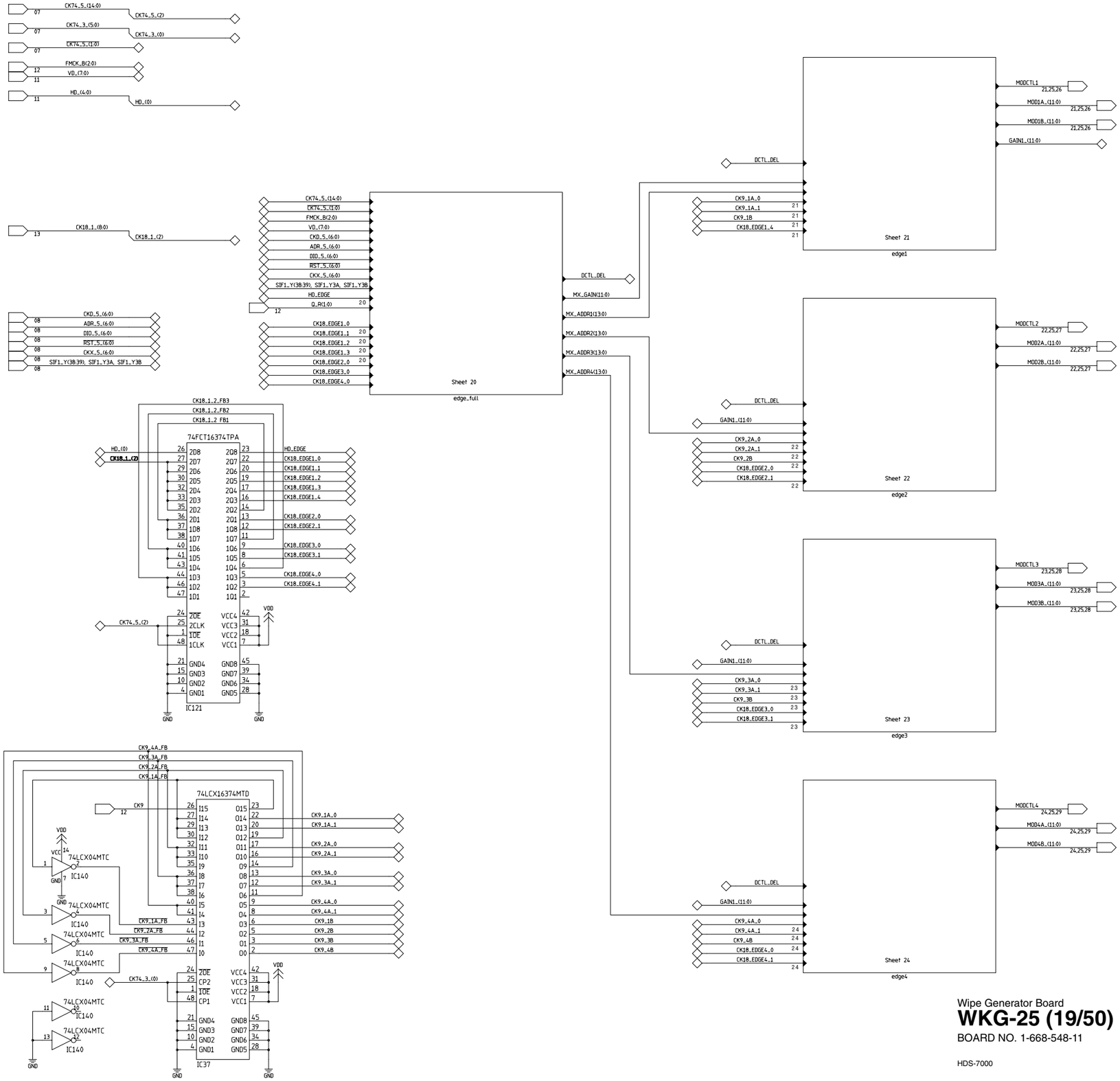
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Wipe Generator Board
WKG-25 (18/50)
BOARD NO. 1-668-548-11

HDS-7000

WKG-25 (19/50)



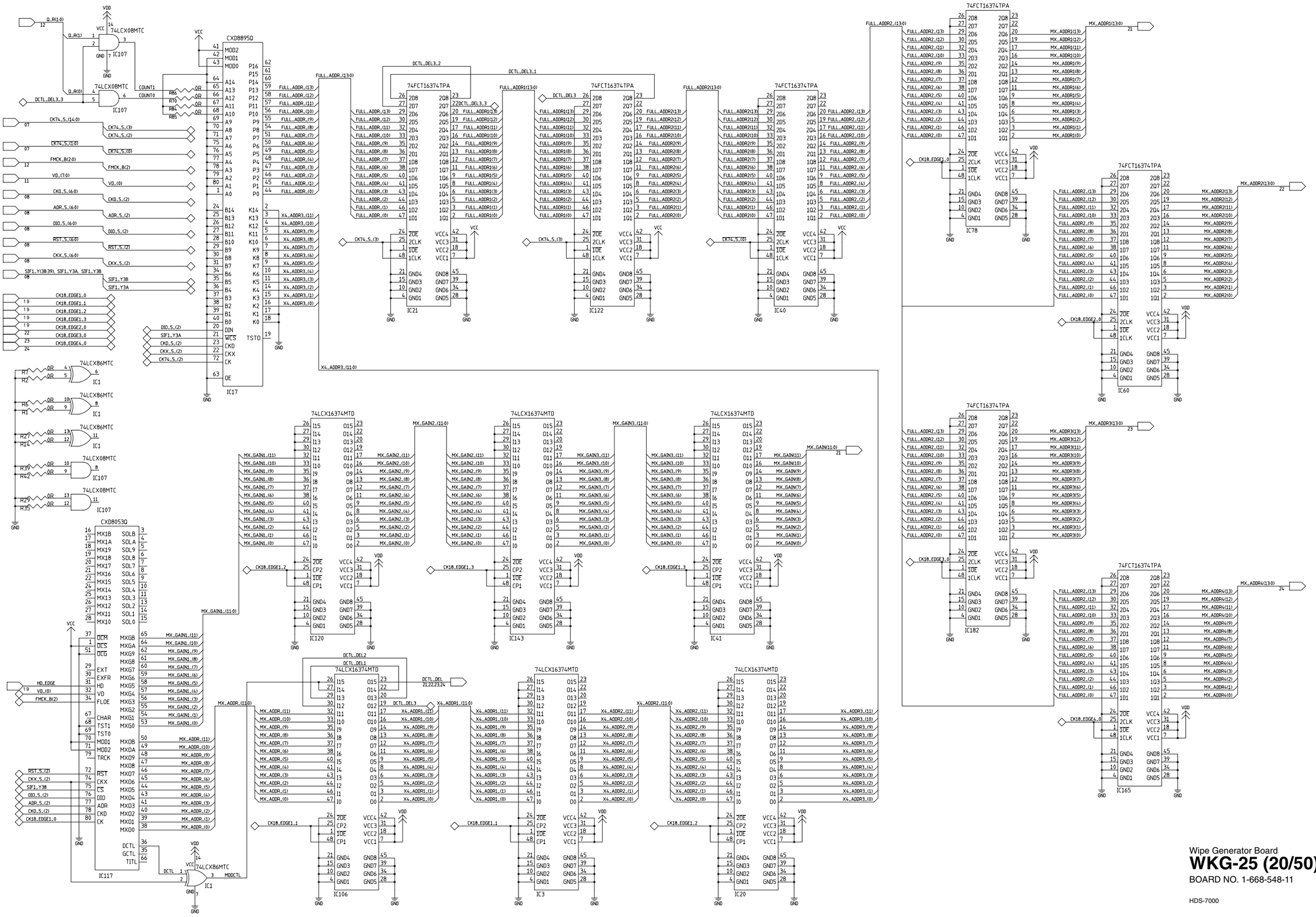
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WKG-25 (19/50)

BOARD NO. 1-668-548-11

HDS-7000

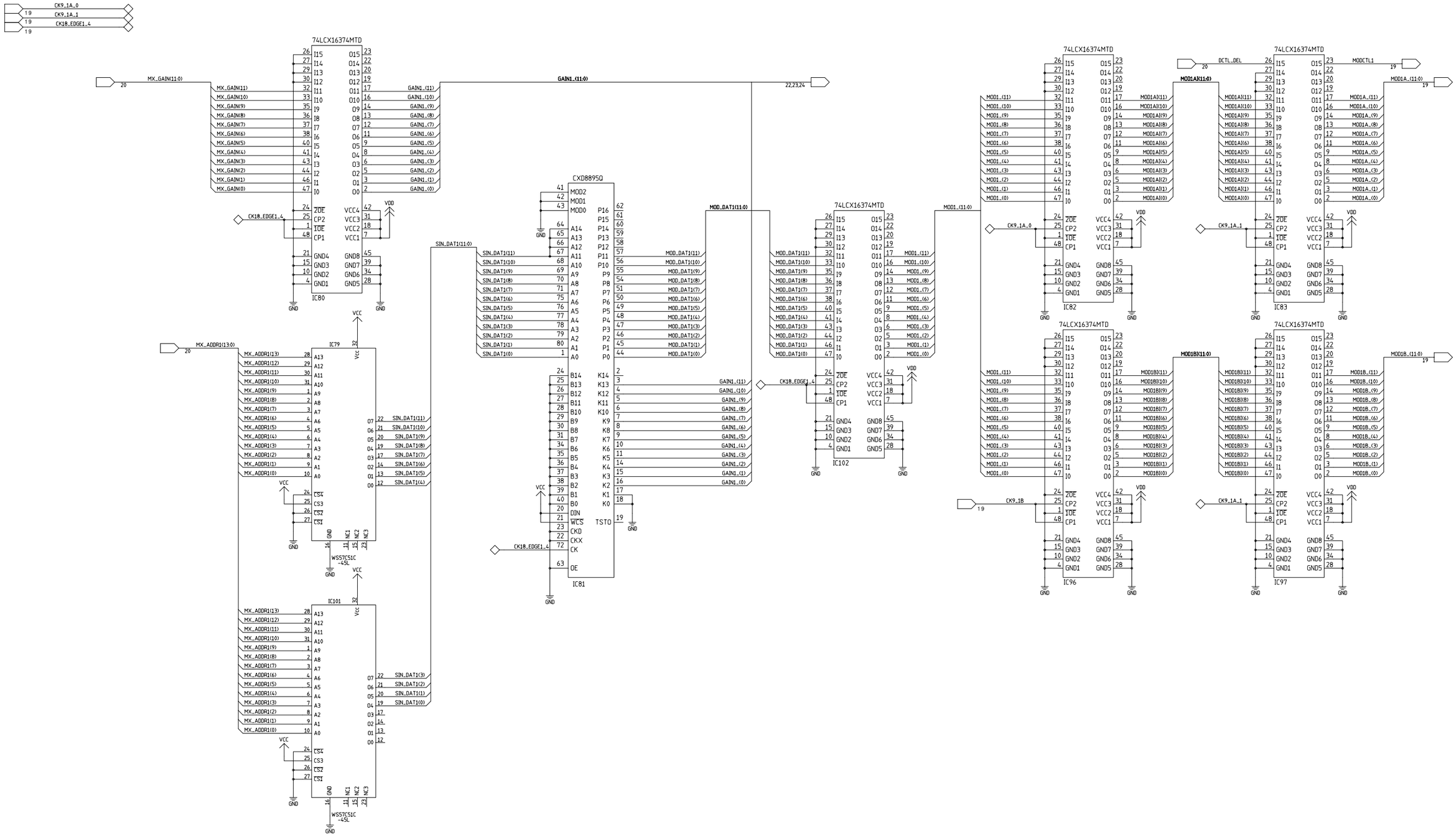
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Wipe Generator Board
WKG-25 (20/50)
BOARD NO. 1-668-548-11

HDS-7000

WKG-25 (21/50)



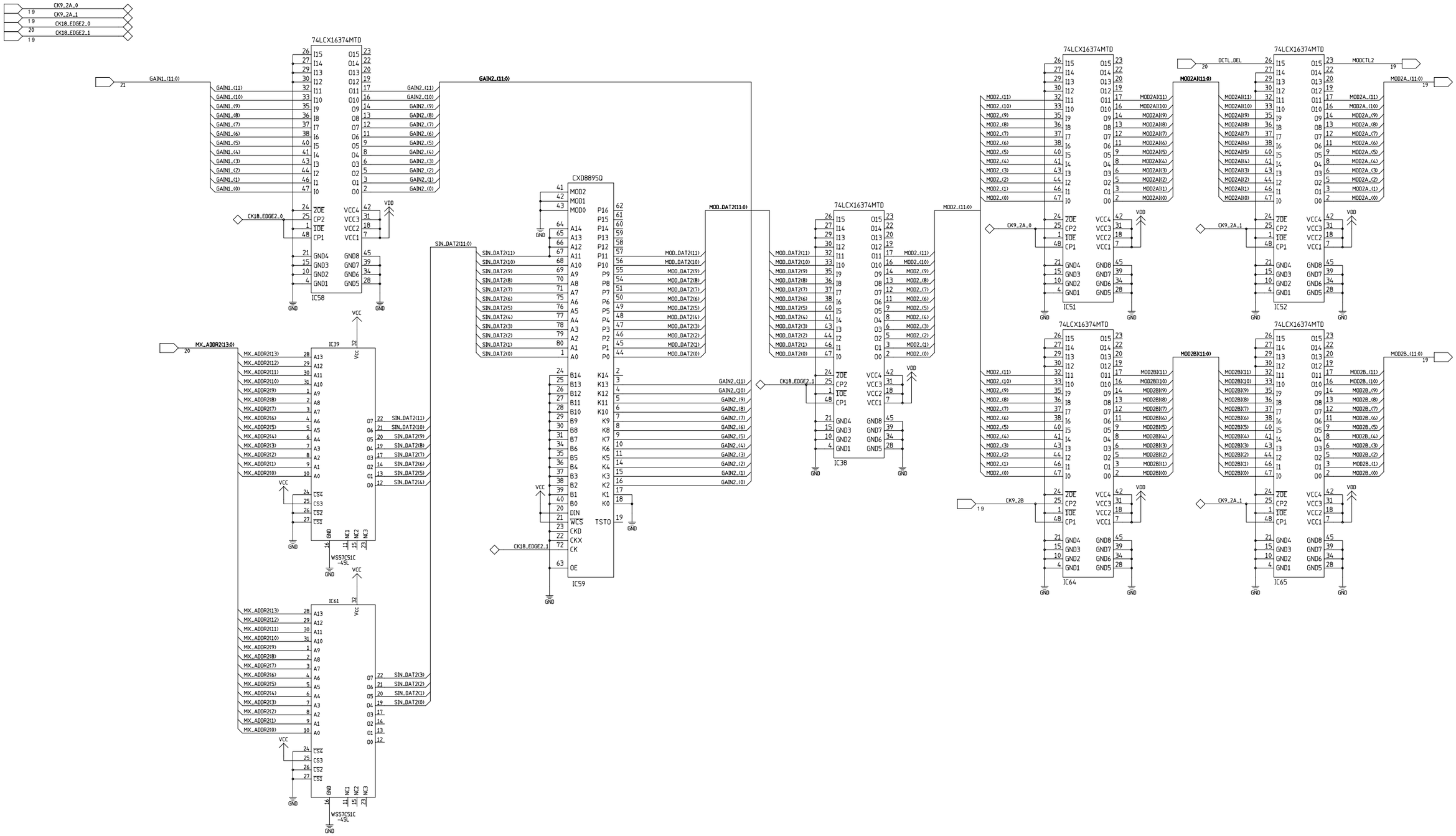
578

Wipe Generator Board
WKG-25 (21/50)
BOARD NO. 1-668-548-11

HDS-7000

HDS-7000

WKG-25 (22/50)

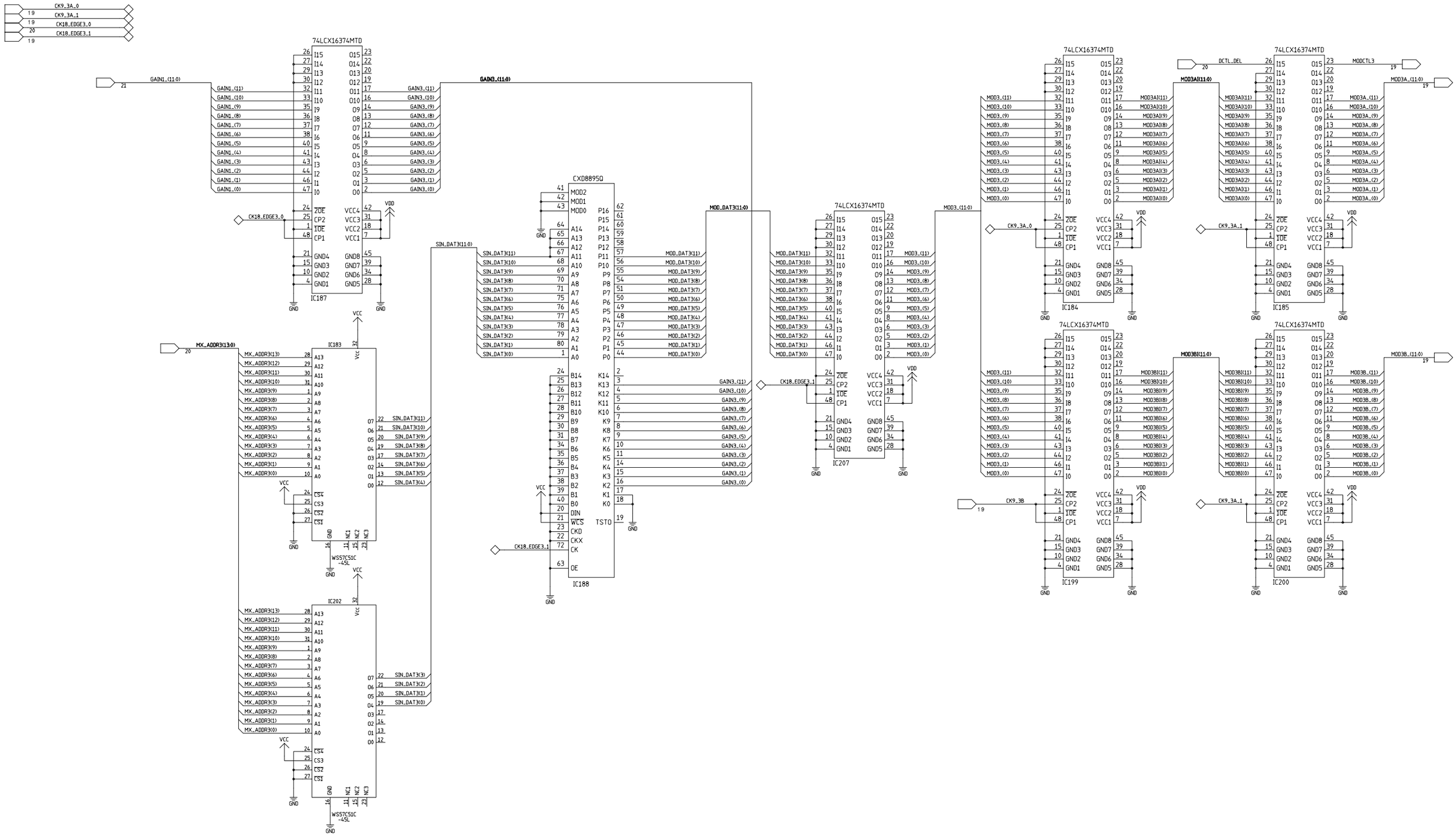


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BOARD NO. 1-668-548-11

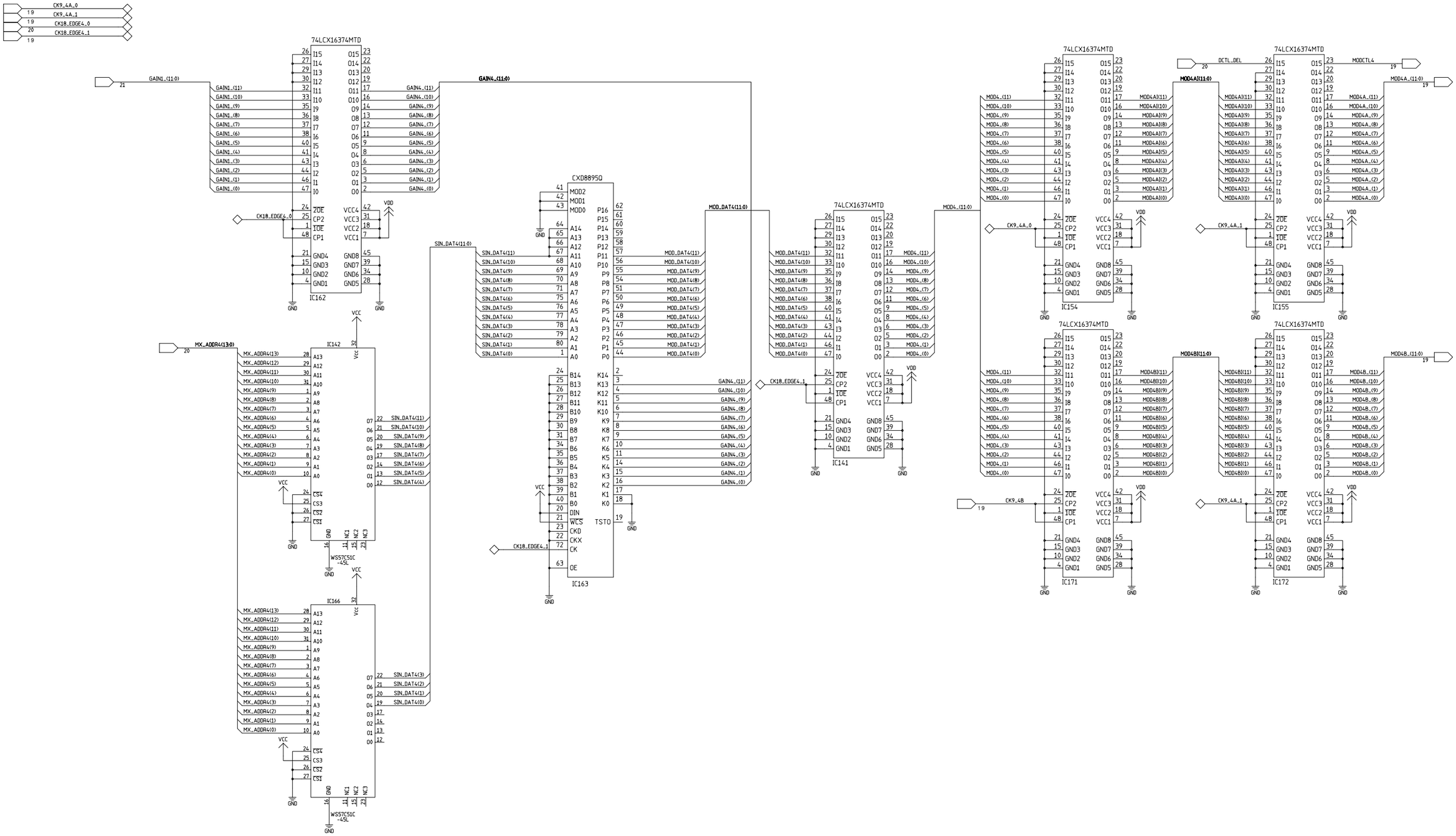
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WKG-25 (23/50)



Wipe Generator Board
WKG-25 (23/50)
BOARD NO. 1-668-548-11

HDS-7000

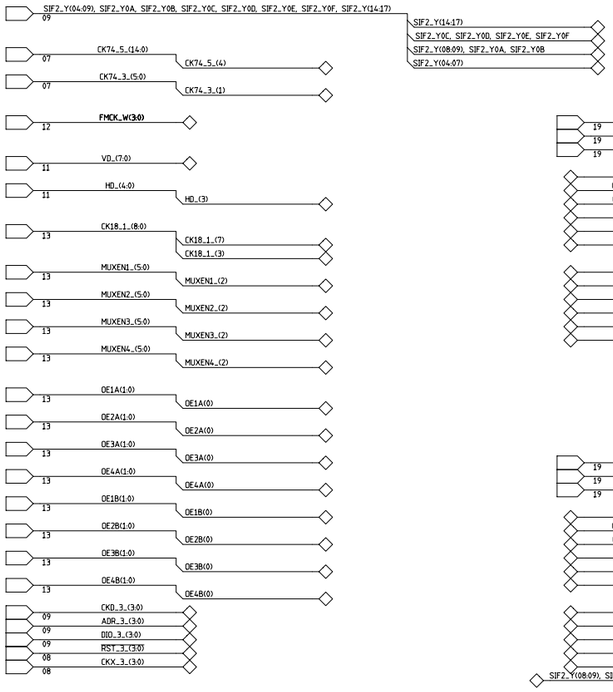


Wipe Generator Board
WKG-25 (24/50)
BOARD NO. 1-668-548-11

HDS-7000

HDS-7000

WKG-25 (25/50)



582

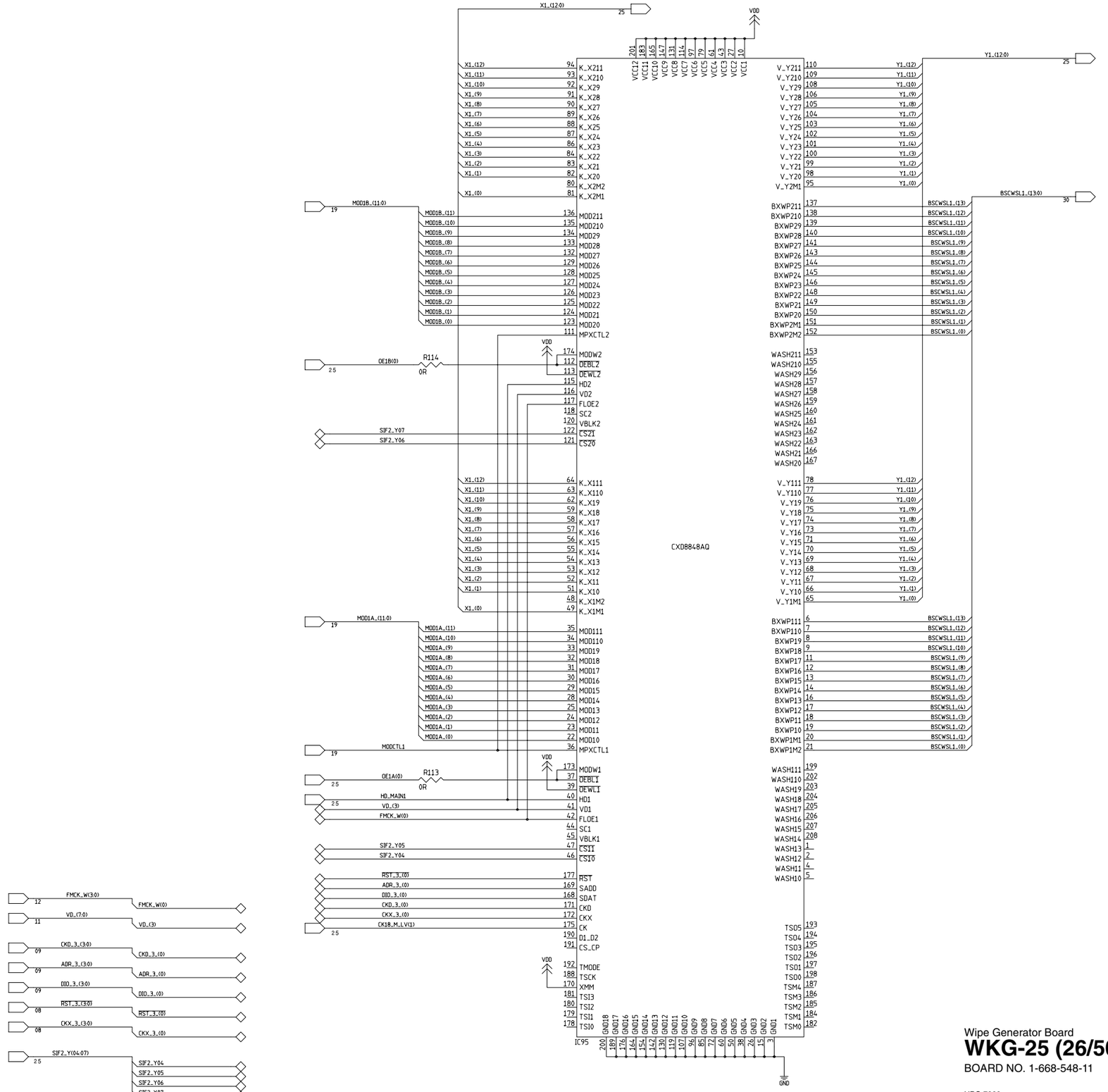
582

Wipe Generator Board
WKG-25 (25/50)
BOARD NO. 1-668-548-11

HDS-7000

HDS-7000

WKG-25 (26/50)



HDS-7000

583

583

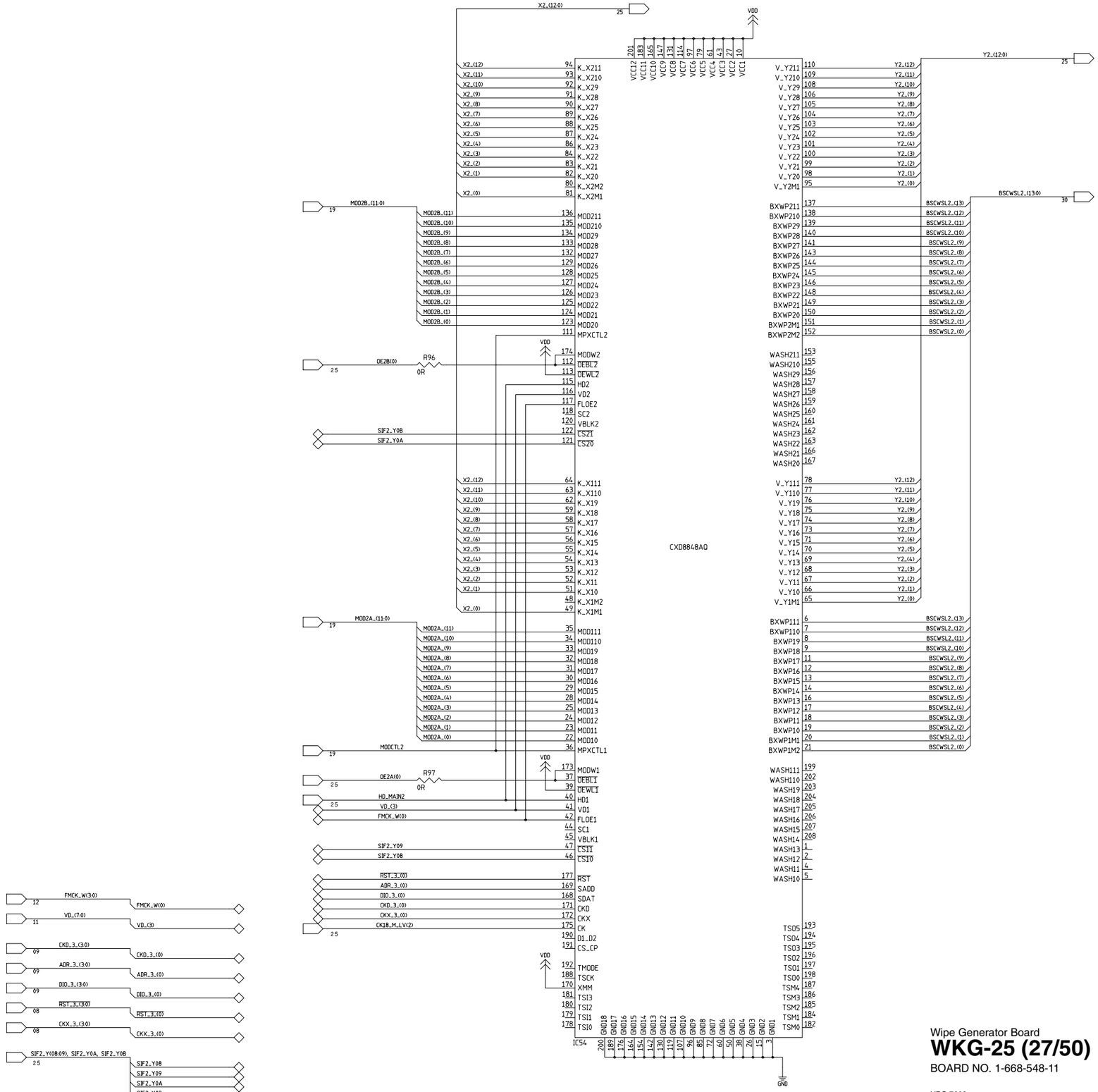
Wipe Generator Board
WKG-25 (26/50)
BOARD NO. 1-668-548-11

HDS-7000

1 2 3 4 5

A B C D E F G H

WKG-25 (27/50)

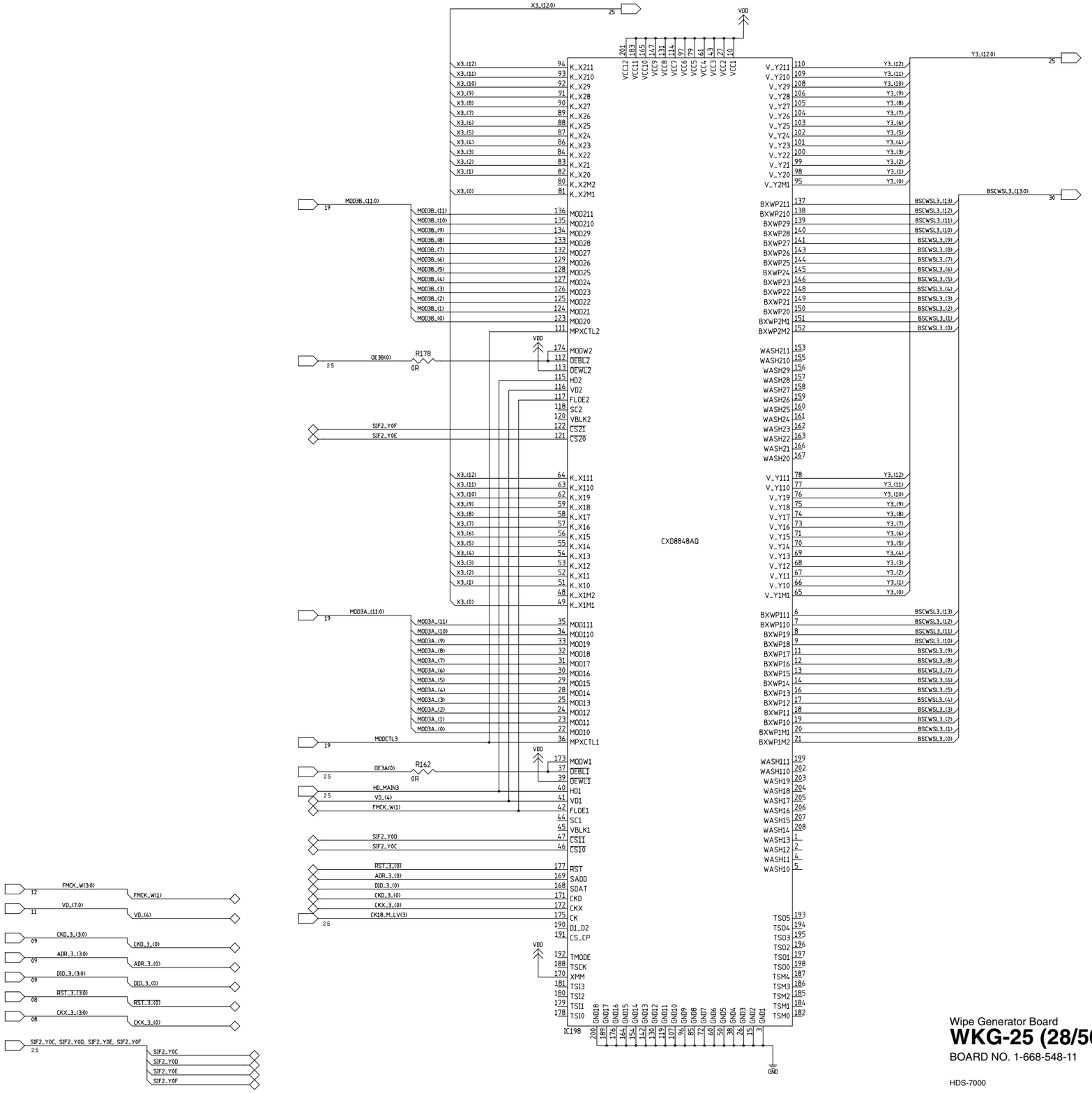


Wipe Generator Board
WKG-25 (27/50)
BOARD NO. 1-668-548-11

HDS-7000

584
HDS-7000

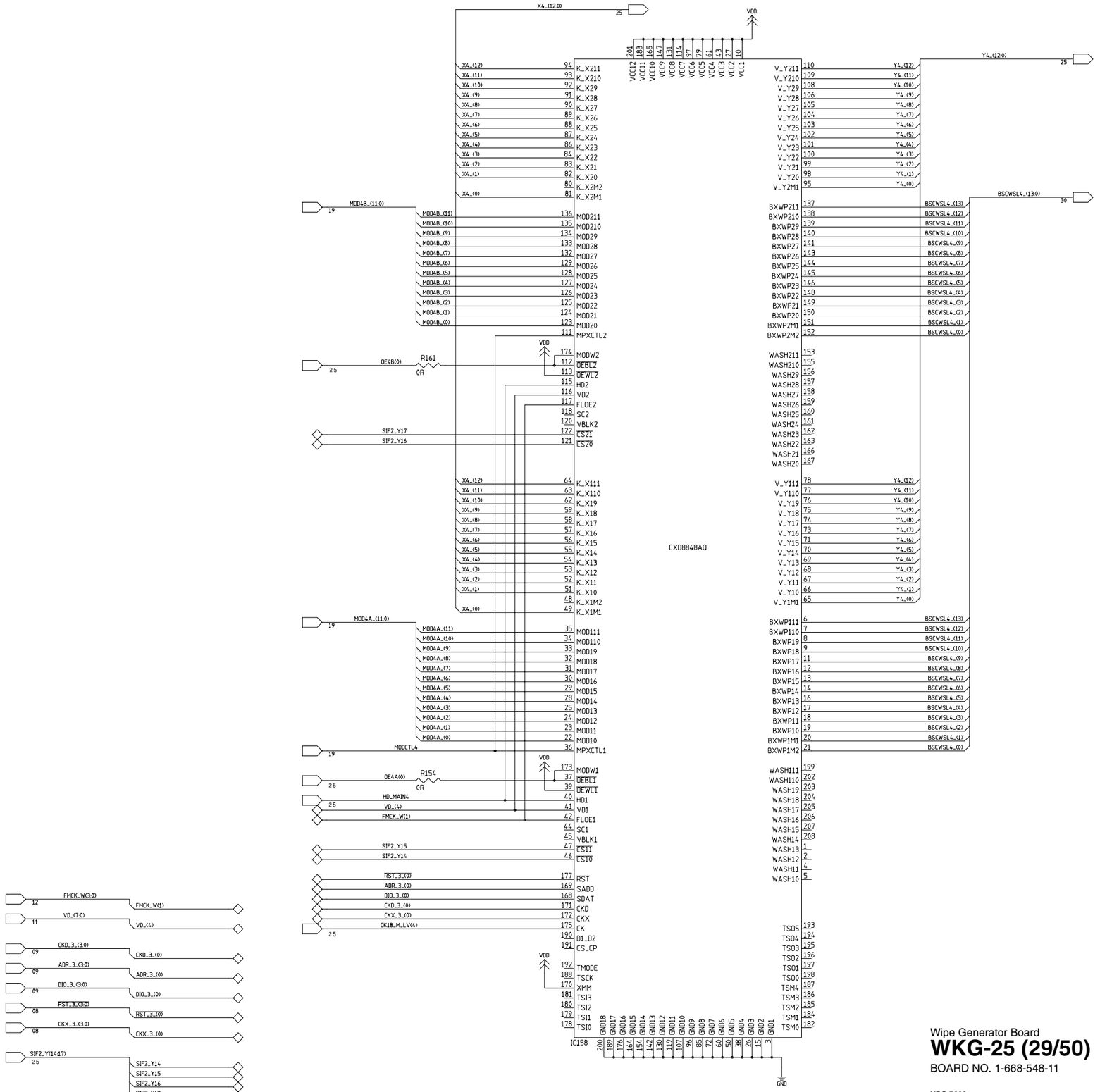
WKG-25 (28/50)



Wipe Generator Board
WKG-25 (28/50)
BOARD NO. 1-668-548-11

HDS-7000

WKG-25 (29/50)

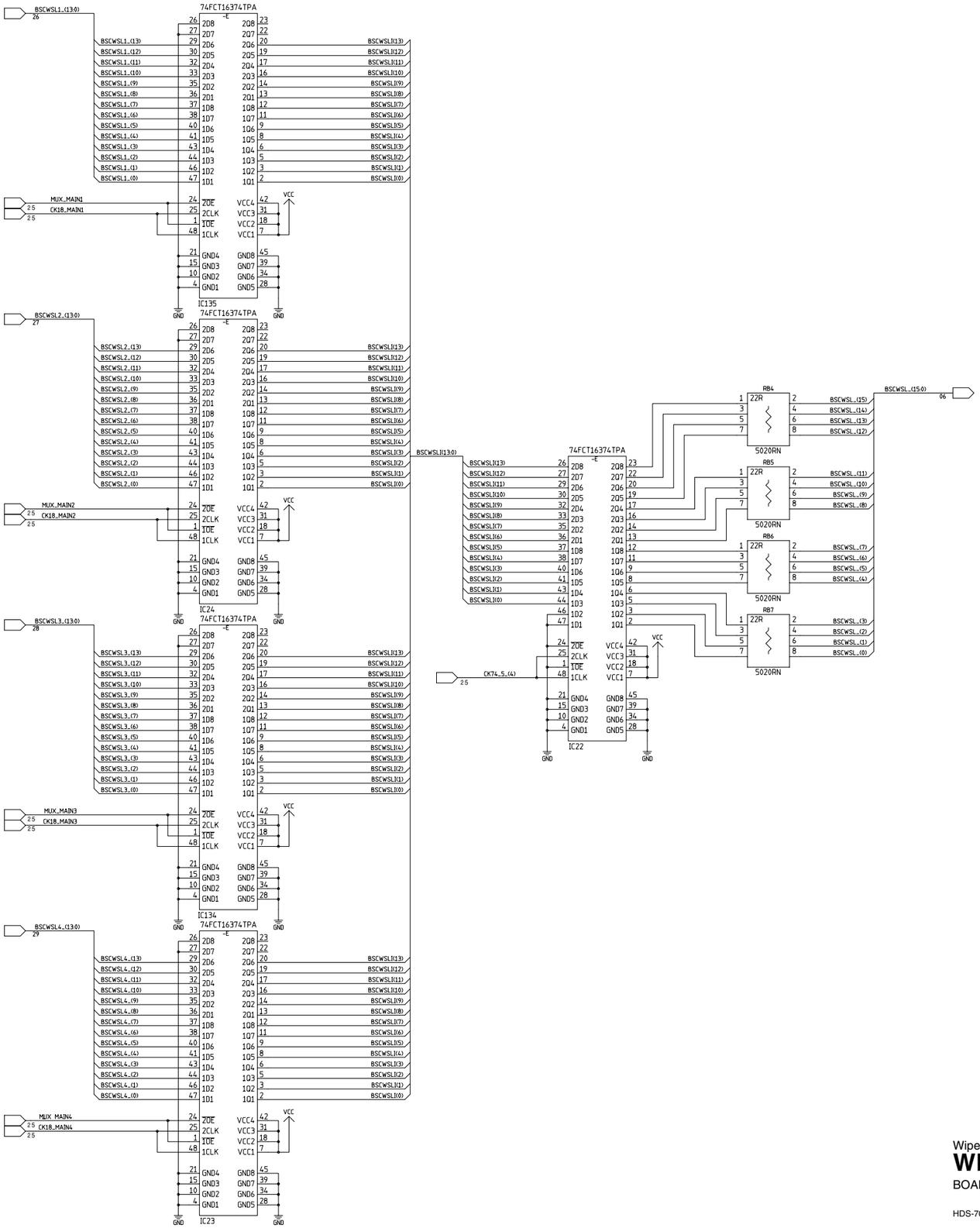


Wipe Generator Board
WKG-25 (29/50)
BOARD NO. 1-668-548-11

HDS-7000

586

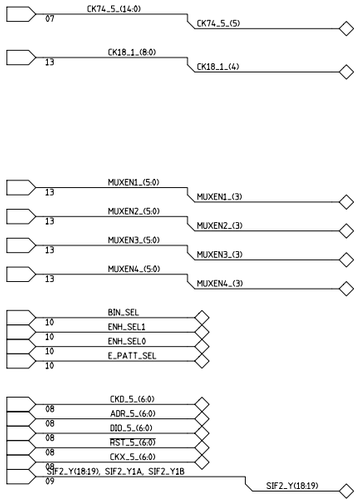
HDS-7000

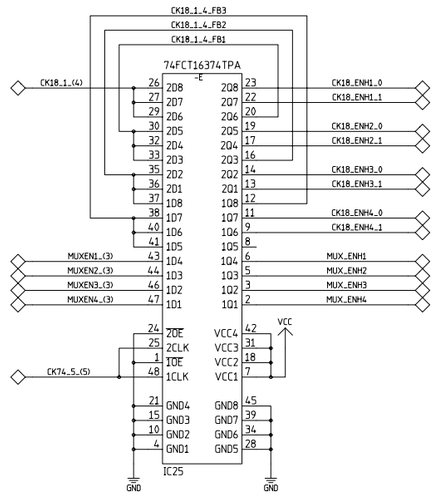


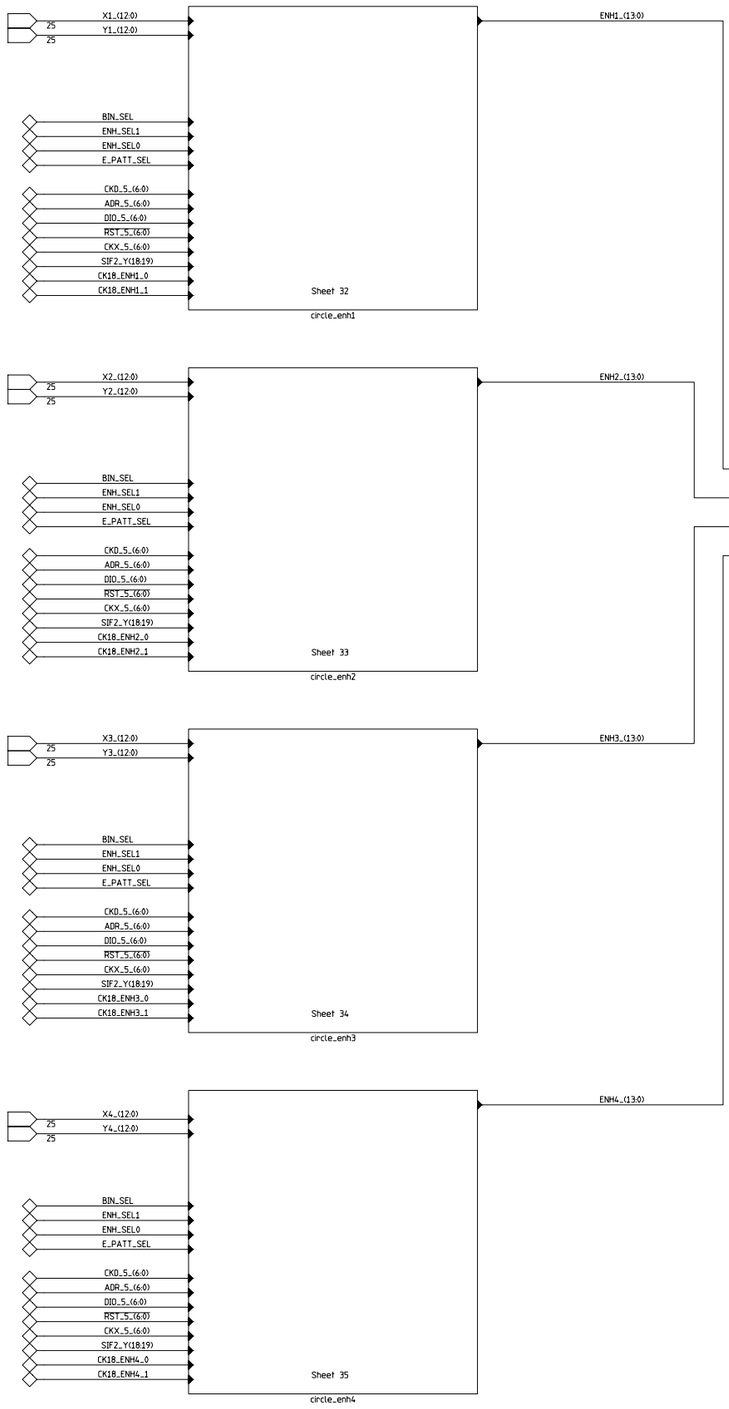
Wipe Generator Board
WKG-25 (30/50)
BOARD NO. 1-668-548-11

HDS-7000

WKG-25 (31/50)





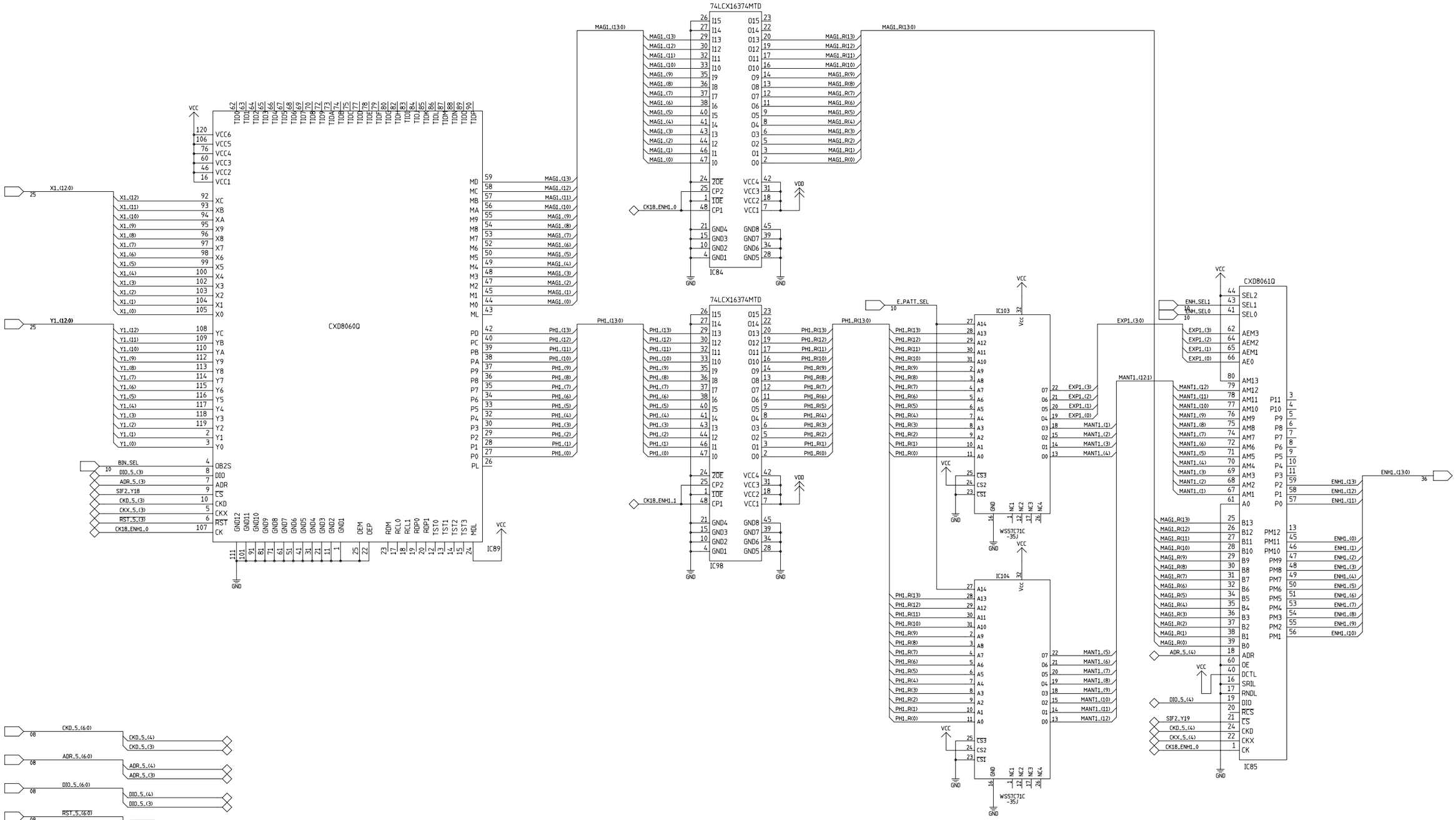


Wipe Generator Board
WKG-25 (31/50)
BOARD NO. 1-668-548-11

HDS-7000

588

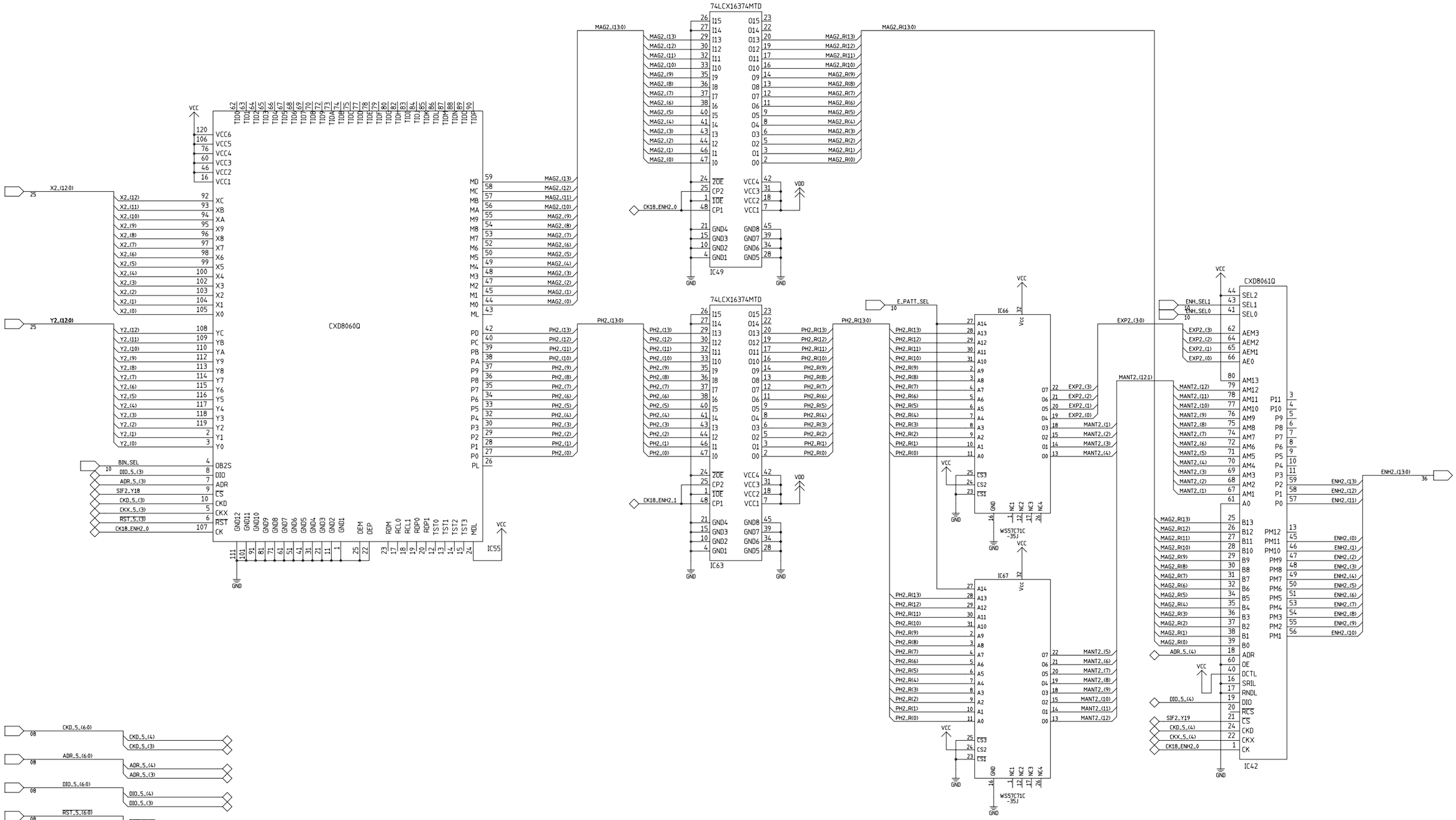
HDS-7000

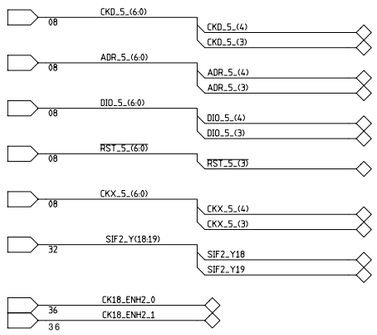


Wipe Generator Board
WKG-25 (32/50)
BOARD NO. 1-668-548-11

HDS-7000

WKG-25 (33/50)





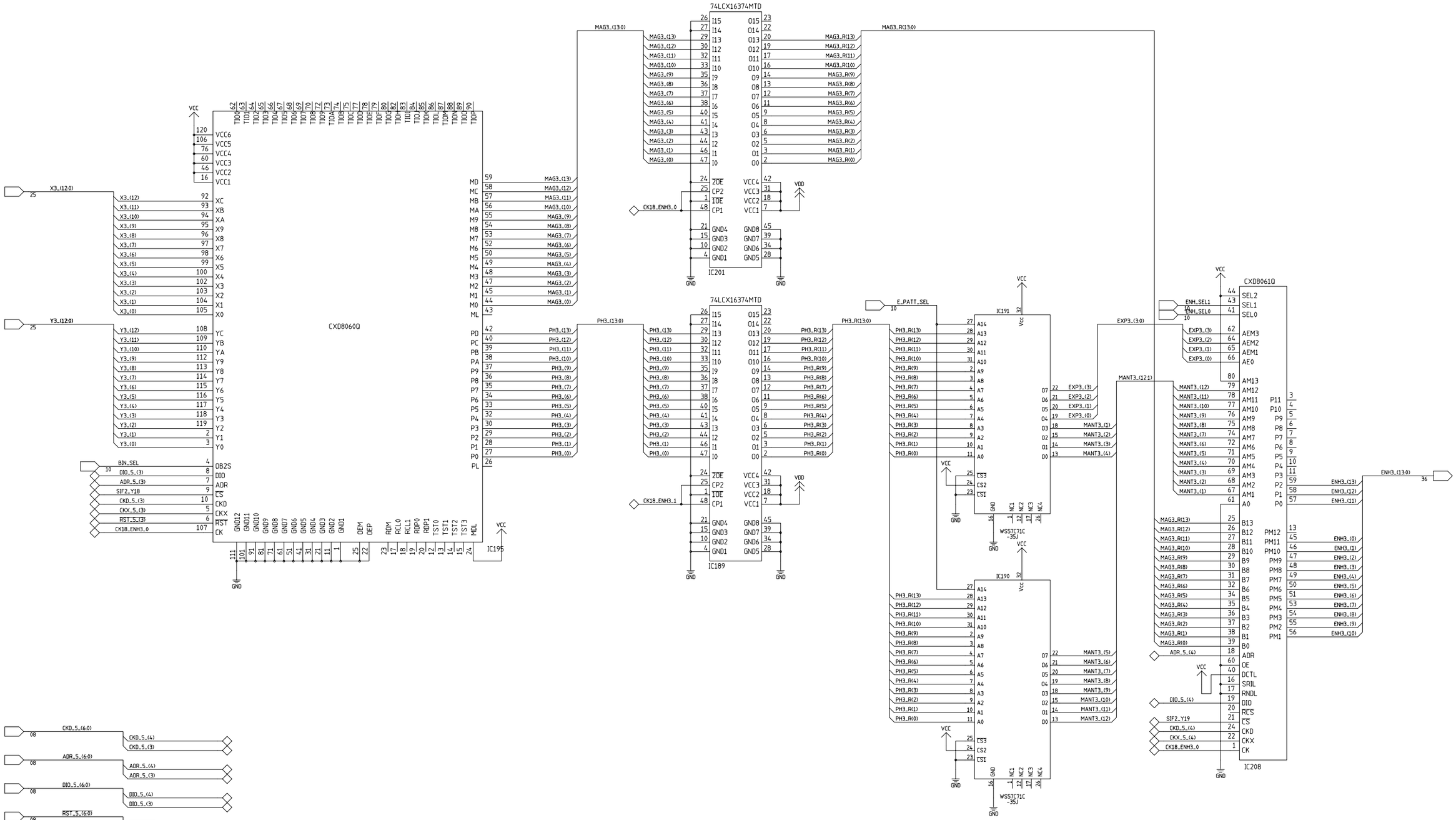
590 590

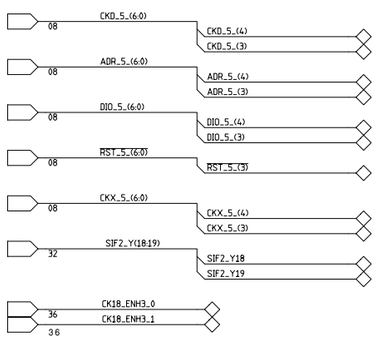
Wipe Generator Board
WKG-25 (33/50)
BOARD NO. 1-668-548-11

HDS-7000

HDS-7000

WKG-25 (34/50)

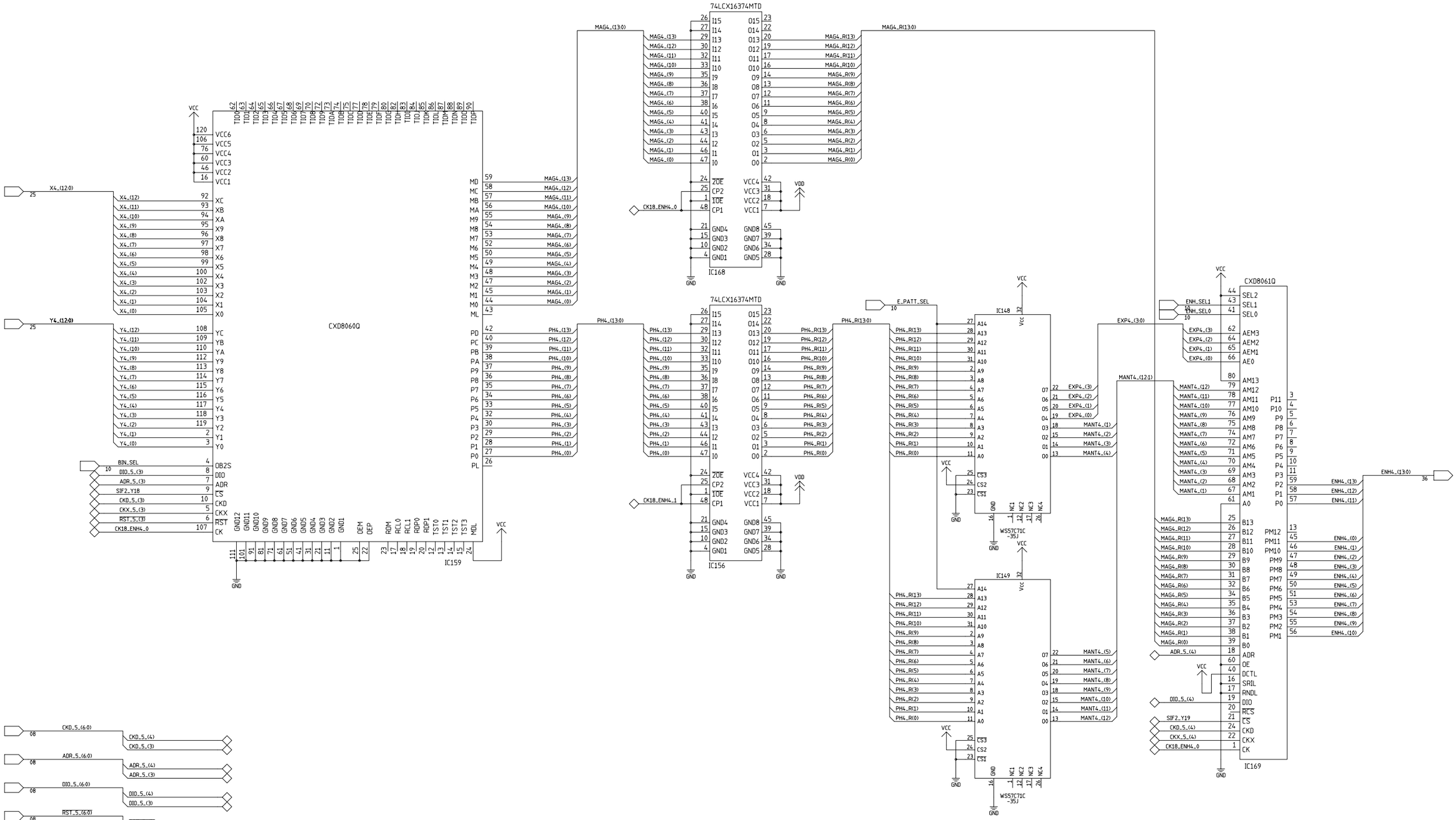


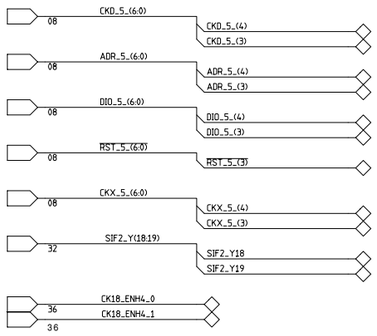


591

Wipe Generator Board
WKG-25 (34/50)
BOARD NO. 1-668-548-11

HDS-7000

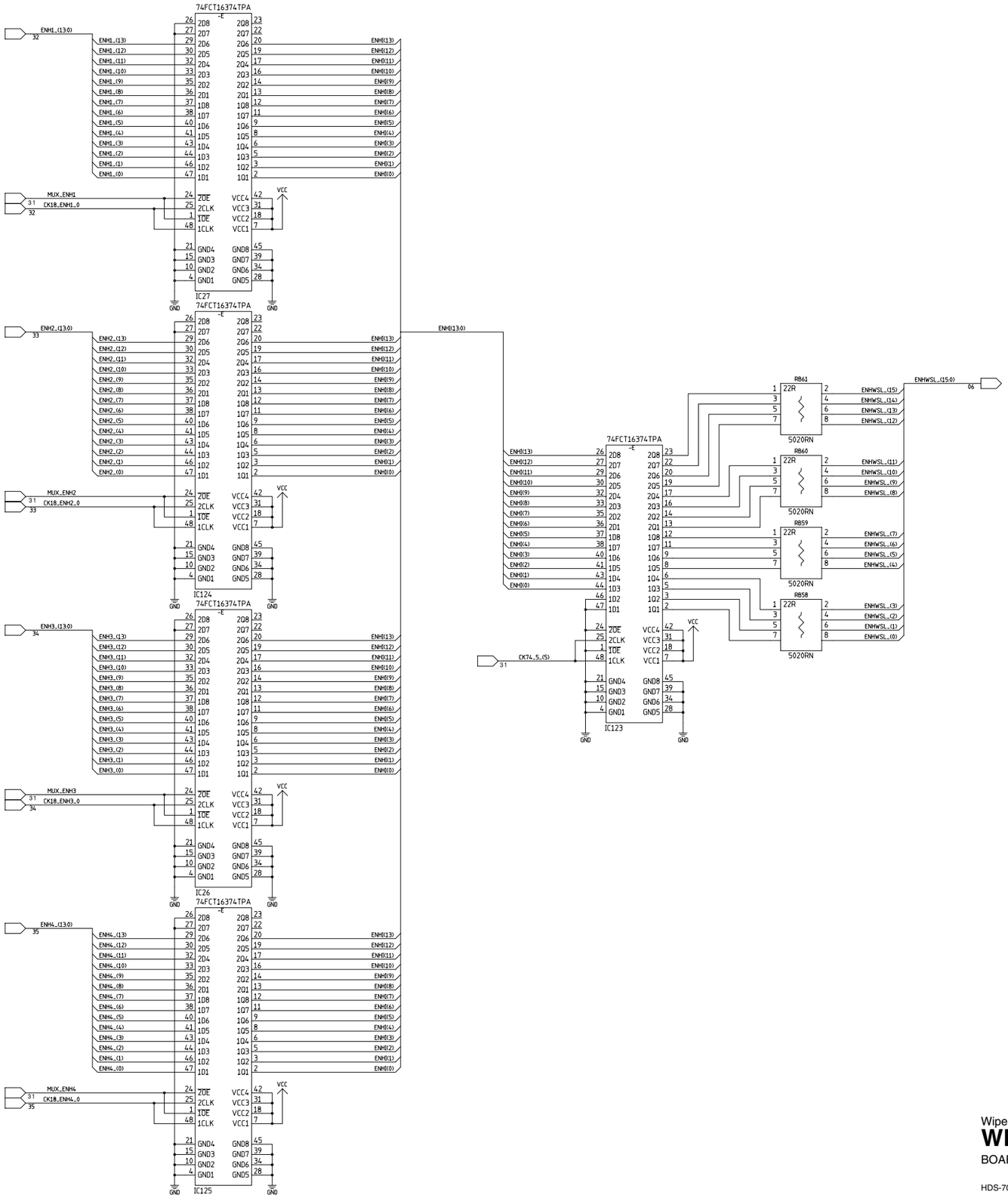




Wipe Generator Board
WKG-25 (35/50)
BOARD NO. 1-668-548-11

HDS-7000

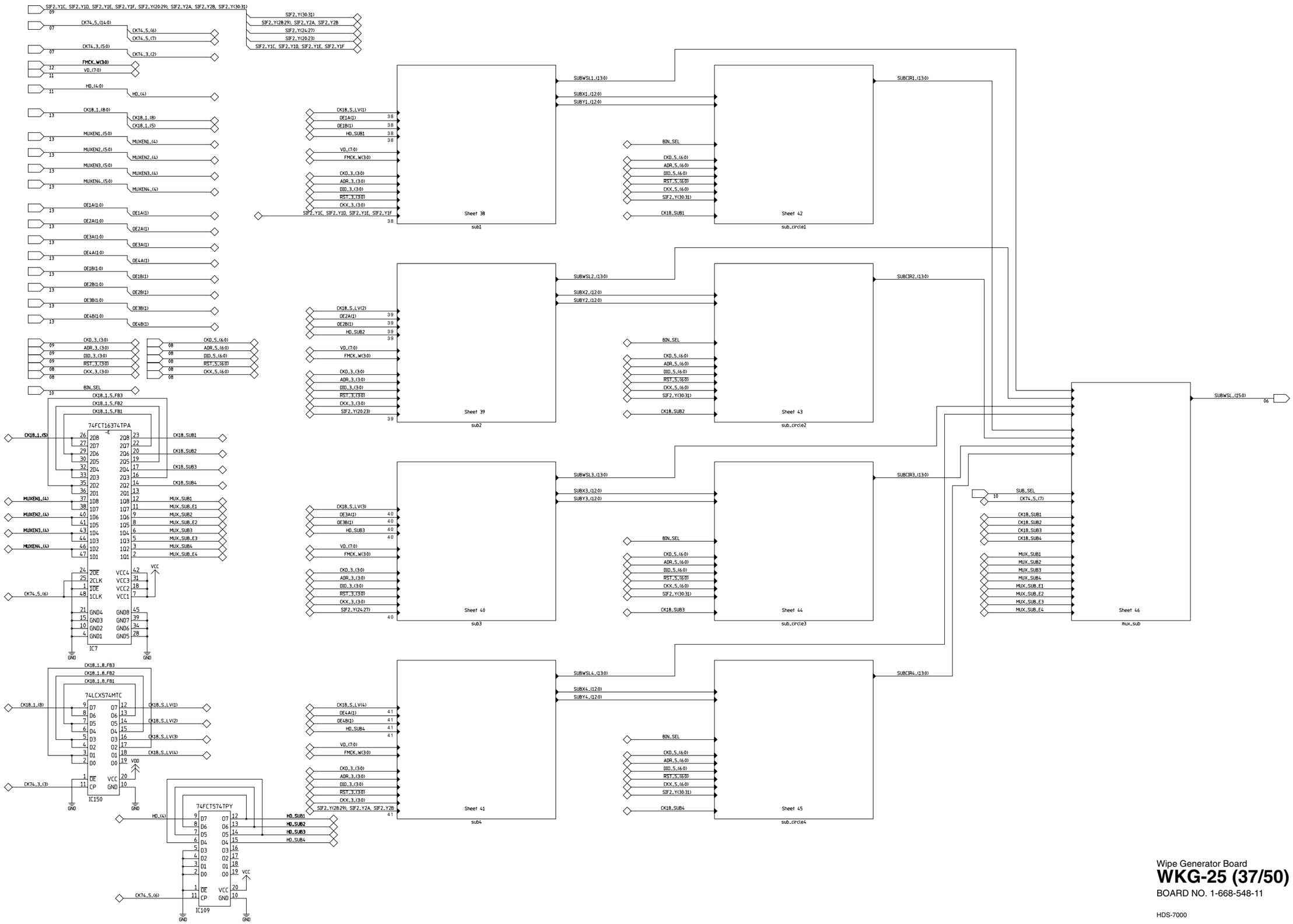
WKG-25 (36/50)



Wipe Generator Board
WKG-25 (36/50)
BOARD NO. 1-668-548-11

HDS-7000 593

WKG-25 (37/50)



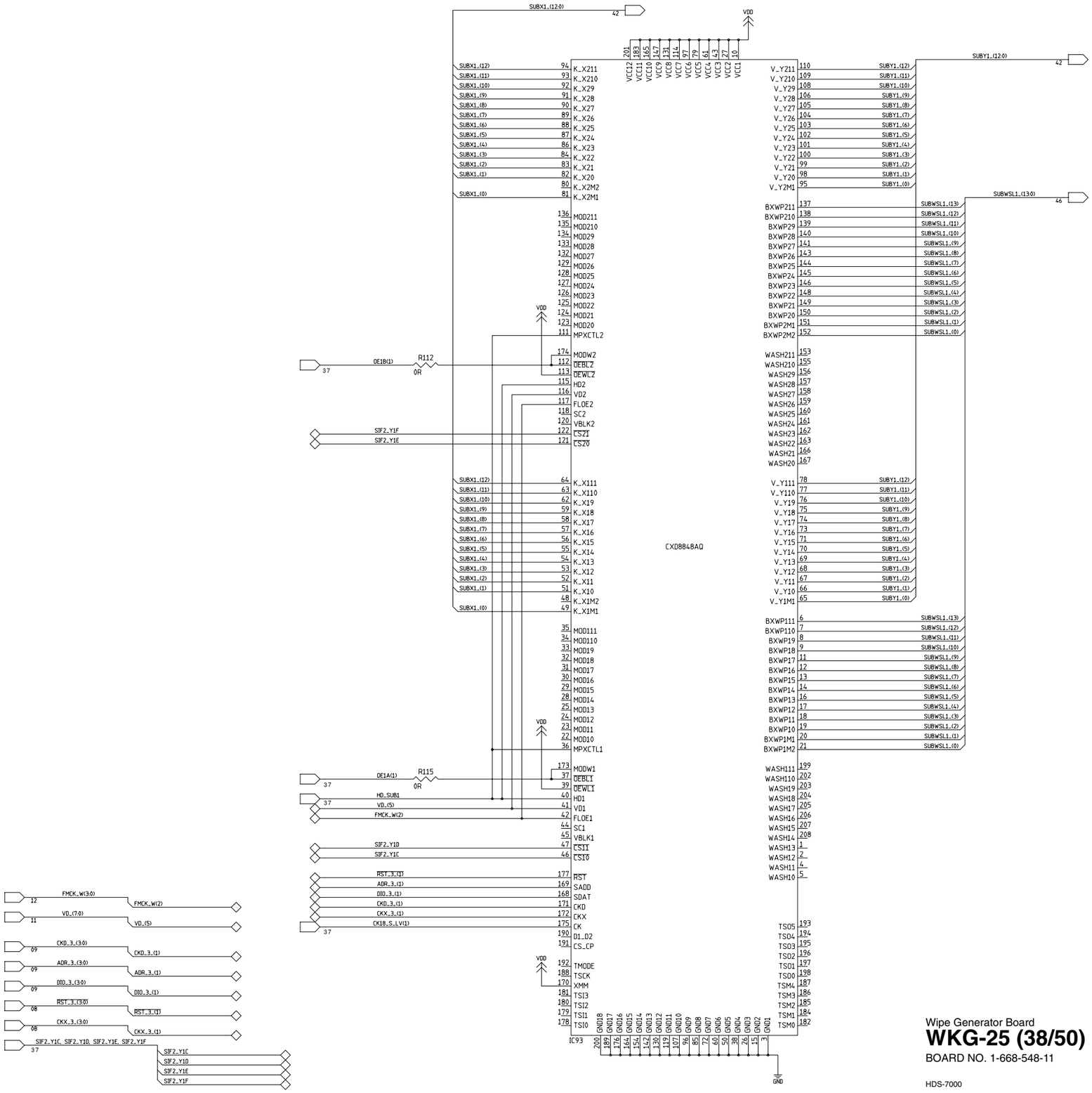
Wipe Generator Board
WKG-25 (37/50)
BOARD NO. 1-668-548-11

HDS-7000

594

HDS-7000

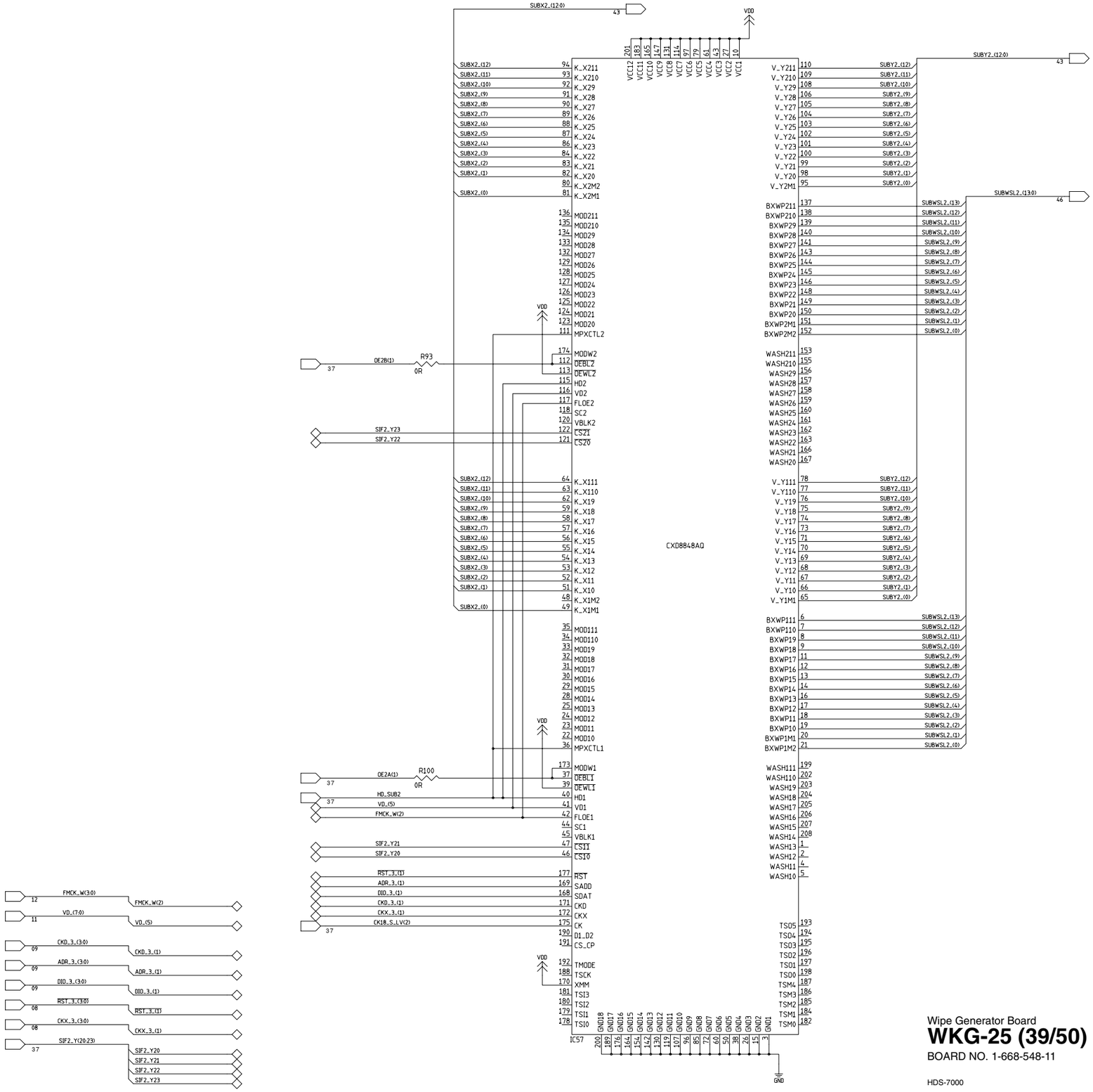
WKG-25 (38/50)



Wipe Generator Board
WKG-25 (38/50)
BOARD NO. 1-668-548-11

HDS-7000

WKG-25 (39/50)

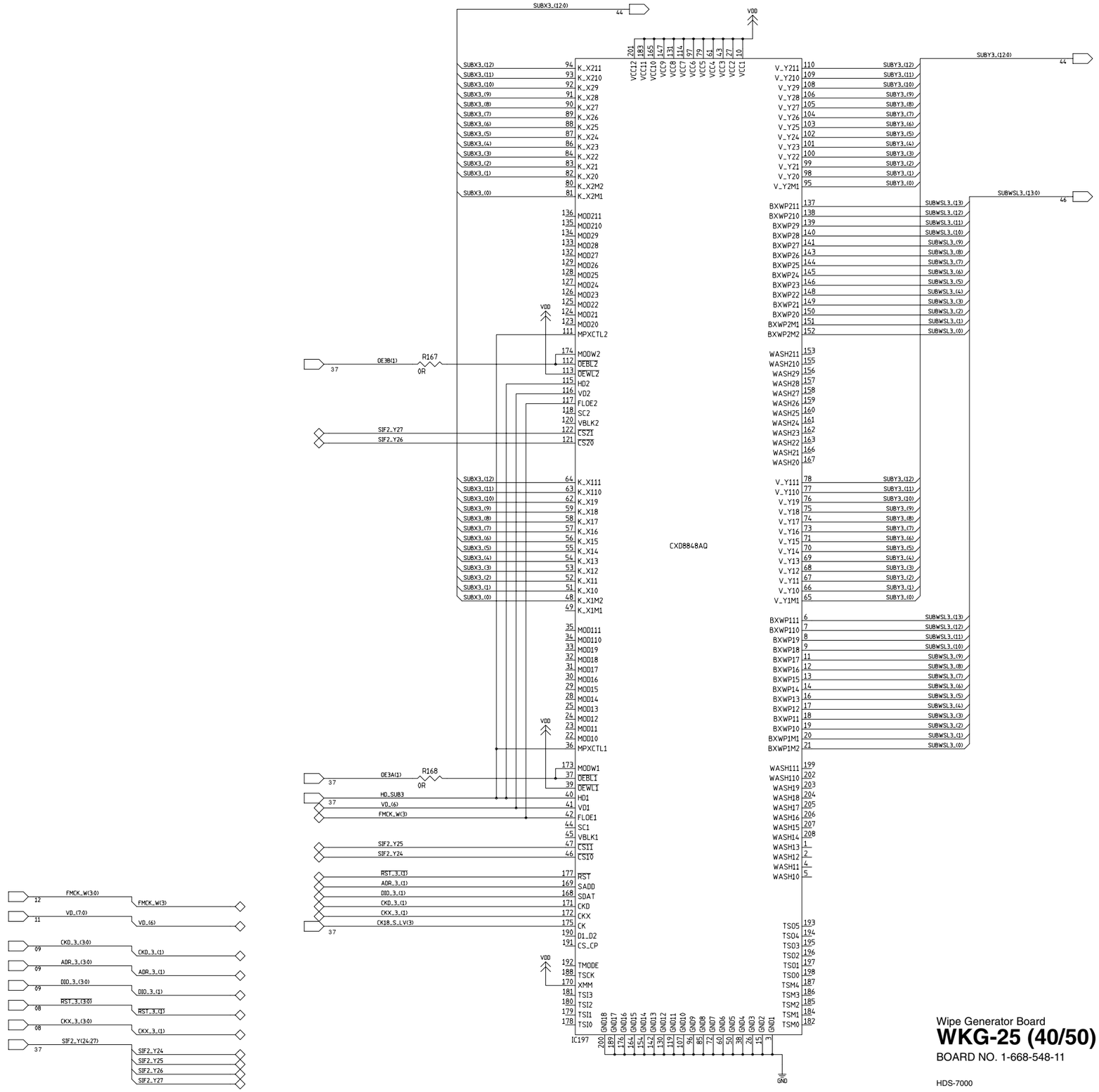


Wipe Generator Board
WKG-25 (39/50)
BOARD NO. 1-668-548-11

HDS-7000

596
HDS-7000

WKG-25 (40/50)



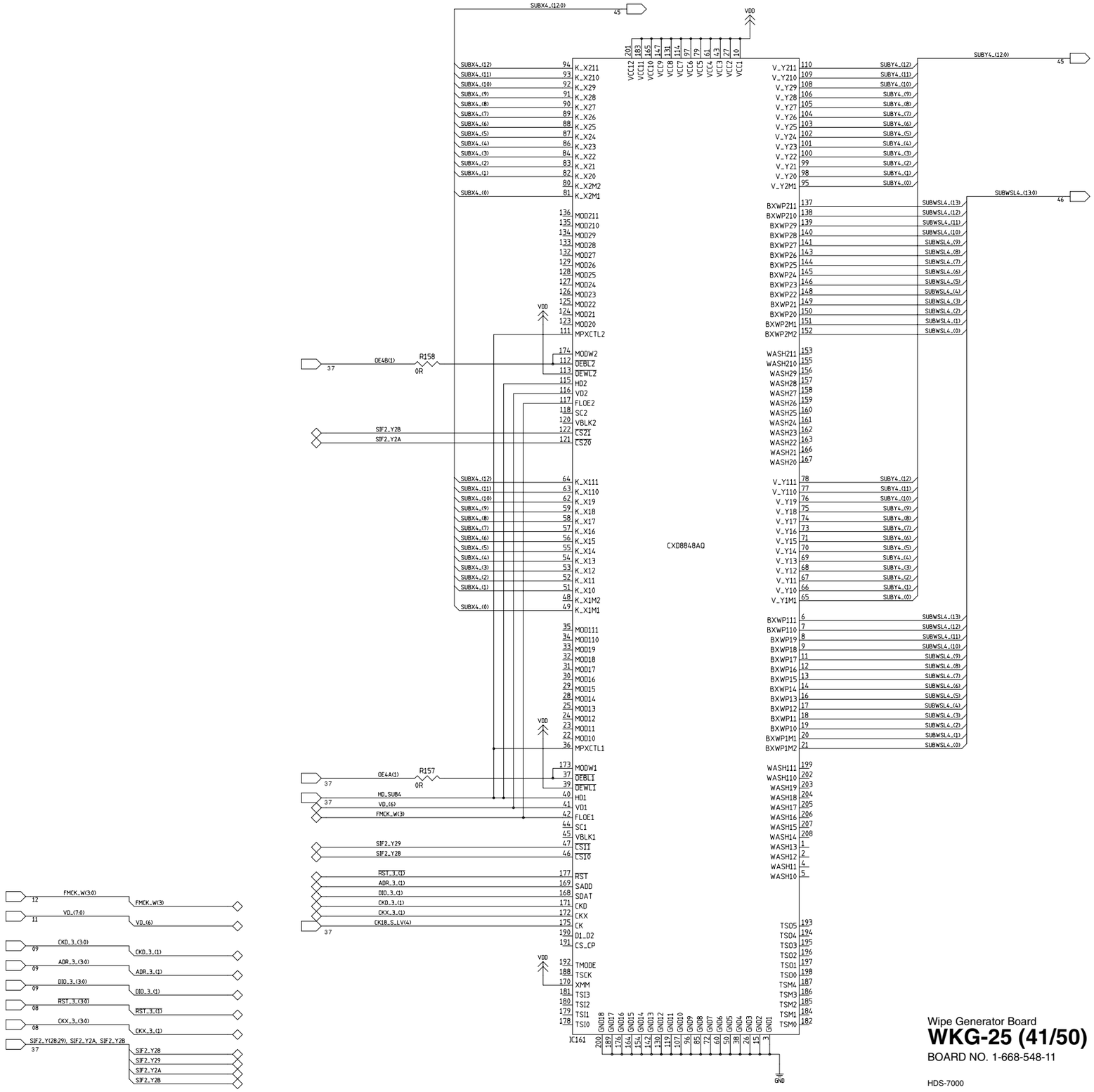
Wipe Generator Board

WKG-25 (40/50)

BOARD NO. 1-668-548-11

HDS-7000

WKG-25 (41/50)

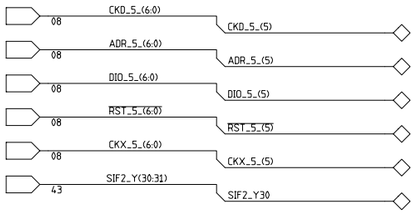


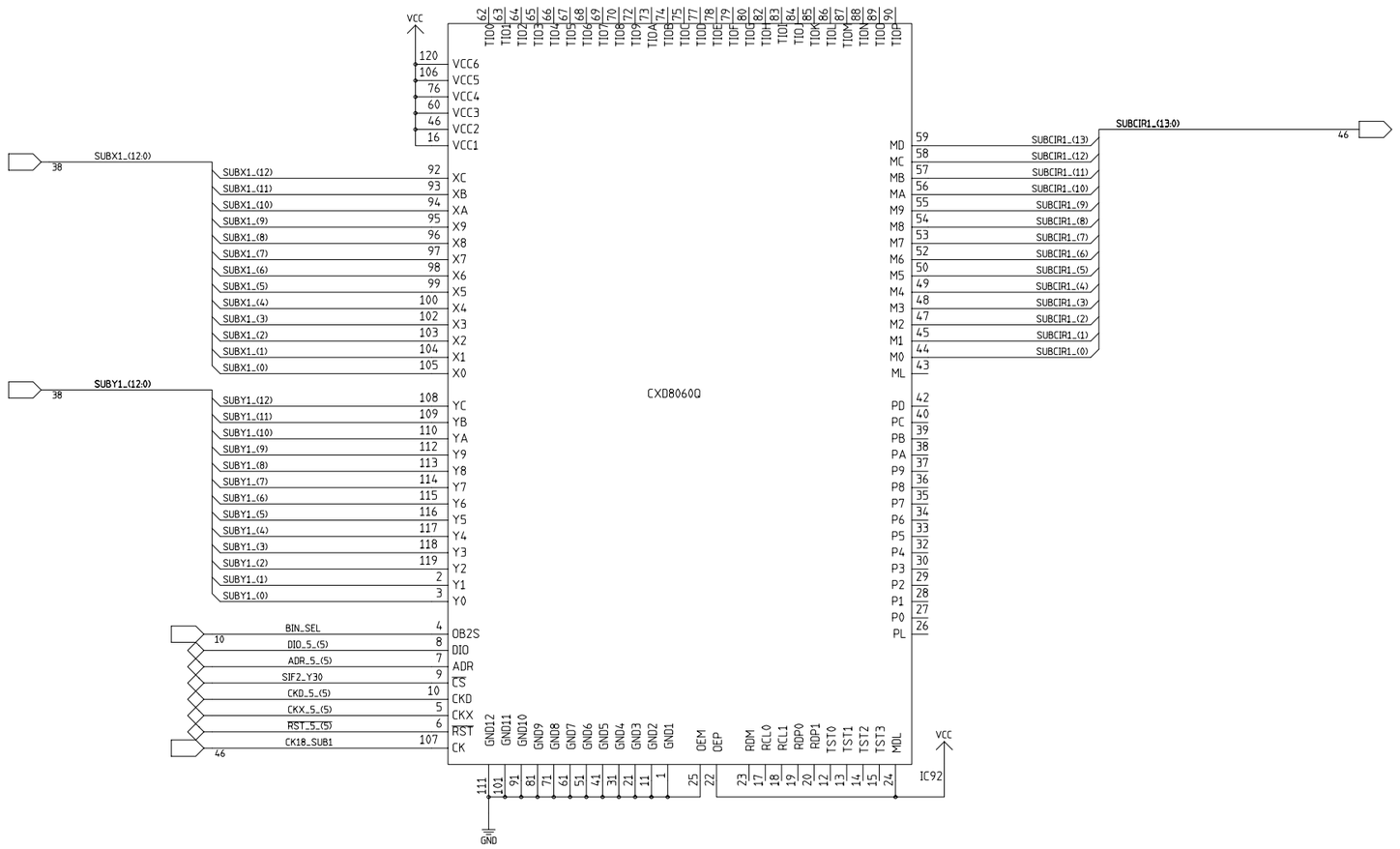
Wipe Generator Board
WKG-25 (41/50)
BOARD NO. 1-668-548-11

HDS-7000

598
HDS-7000

WKG-25 (42/50)





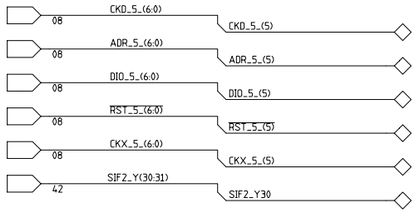
Wipe Generator Board
WKG-25 (42/50)
BOARD NO. 1-668-548-11

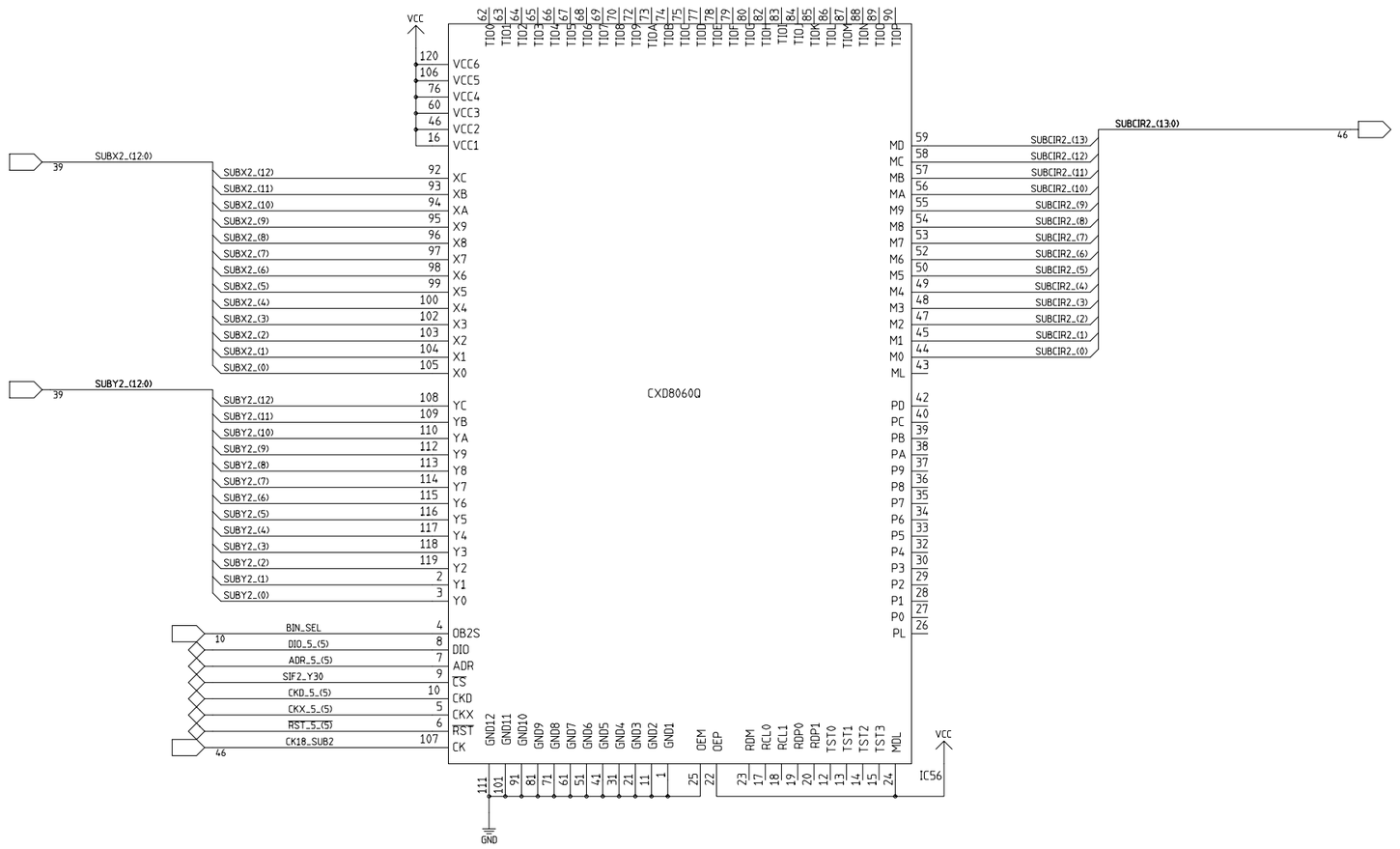
HDS-7000

599

HDS-7000

WKG-25 (43/50)





Wipe Generator Board
WKG-25 (43/50)
BOARD NO. 1-668-548-11

HDS-7000

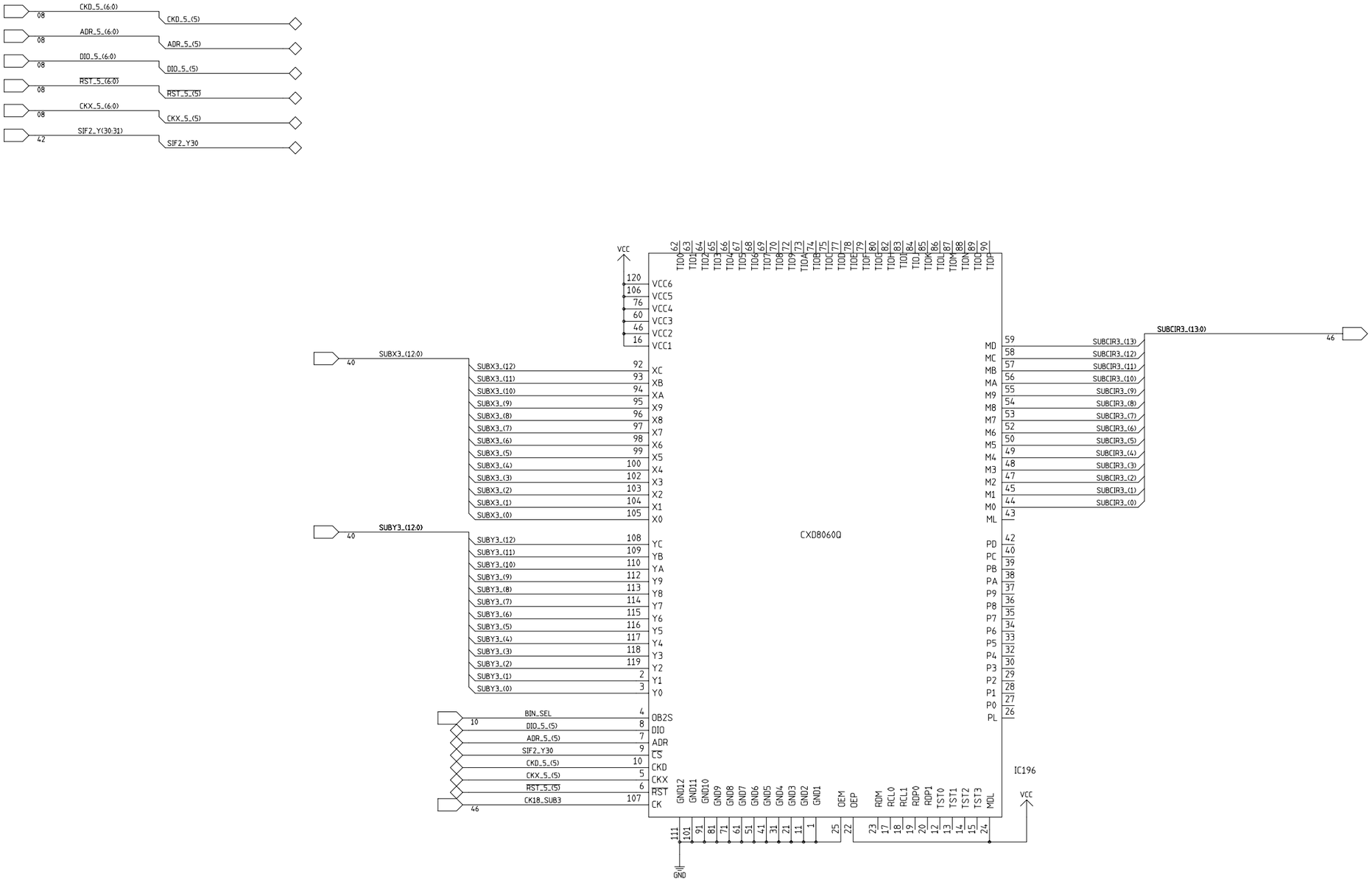
HDS-7000

600 600

A B C D E F G H

1 2 3 4 5

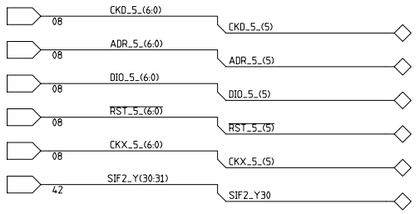
WKG-25 (44/50)

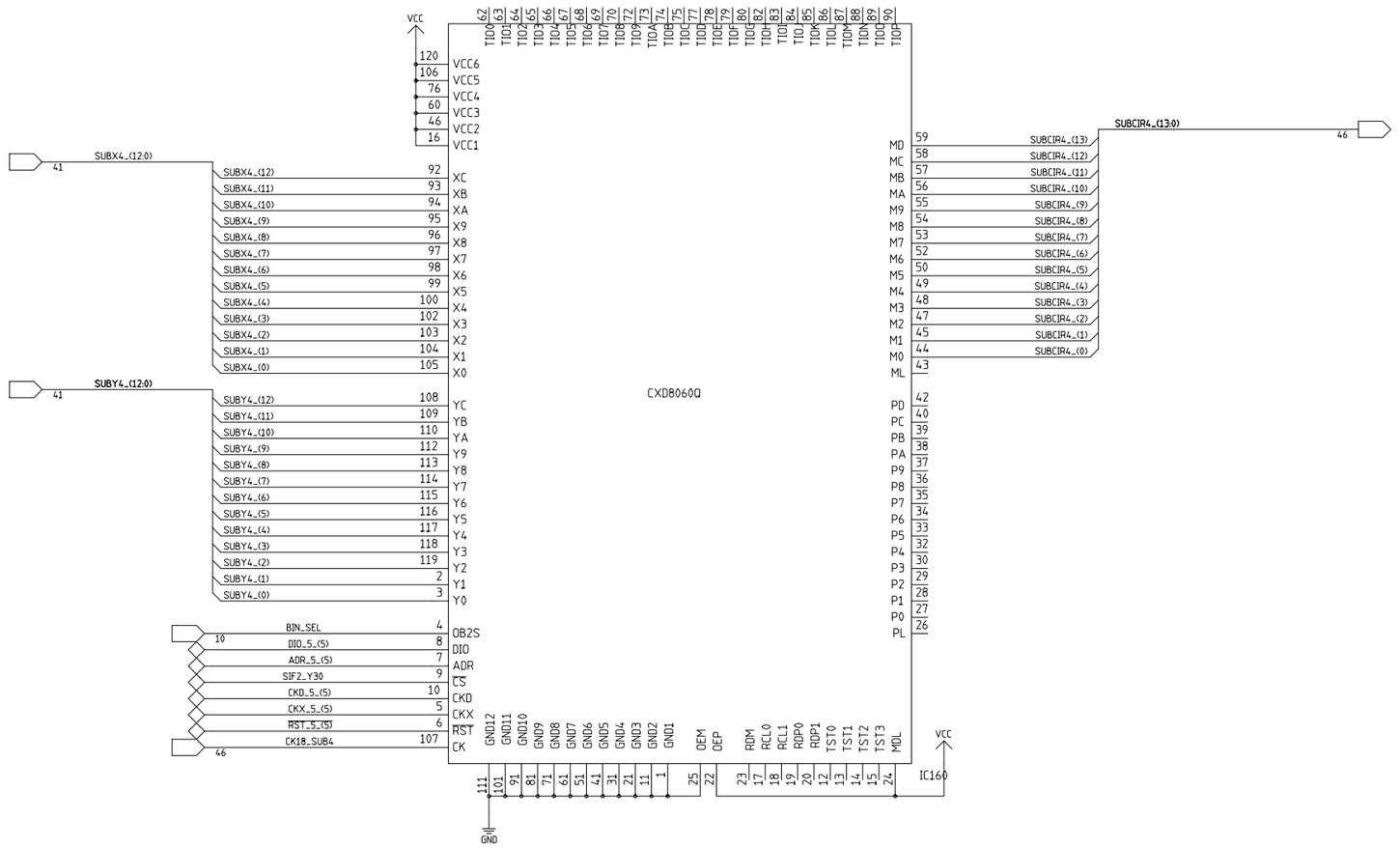


Wipe Generator Board
WKG-25 (44/50)
BOARD NO. 1-668-548-11

HDS-7000

WKG-25 (45/50)





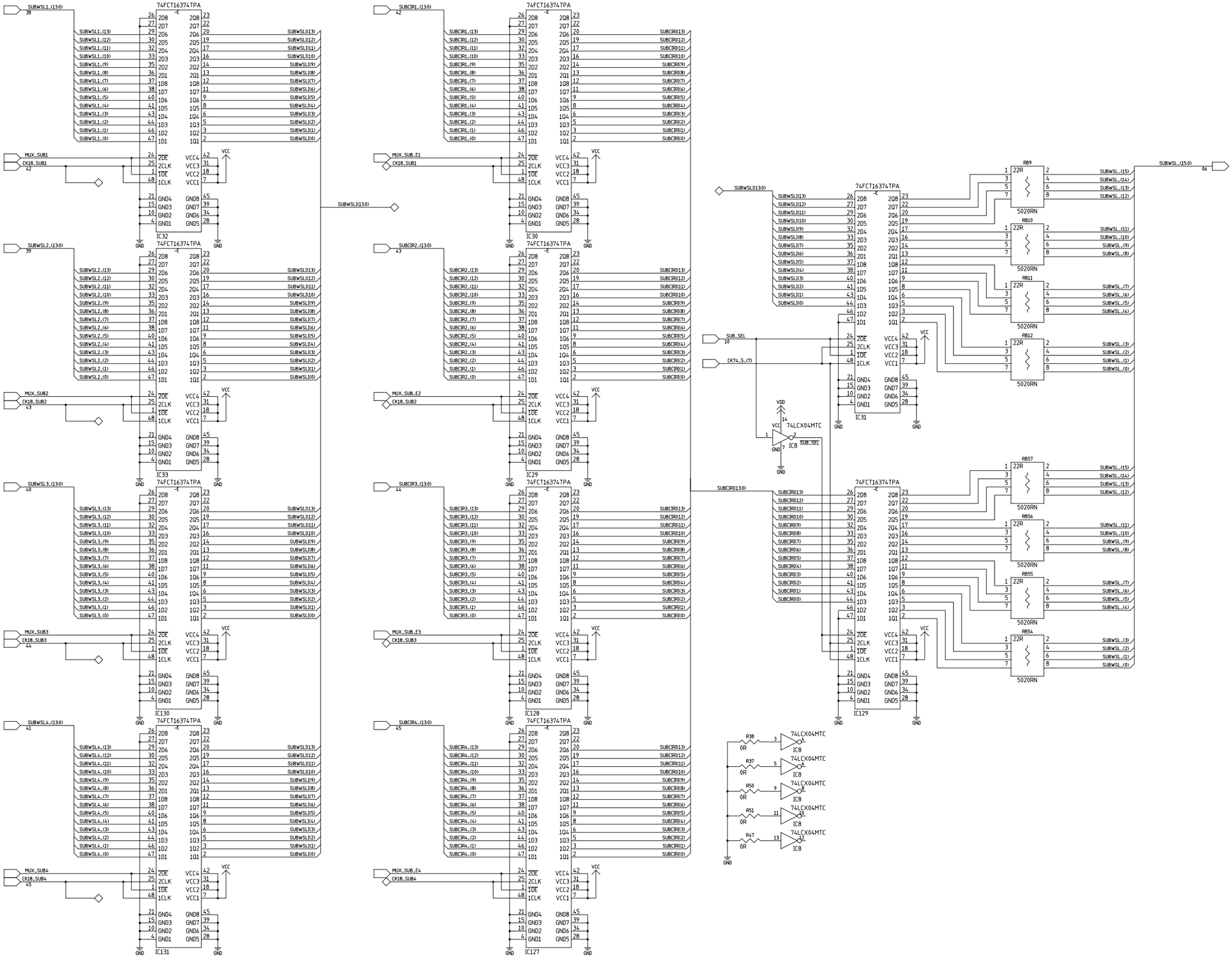
Wipe Generator Board
WKG-25 (45/50)
BOARD NO. 1-668-548-11

HDS-7000

HDS-7000

602

WKG-25 (46/50)



HDS-7000

603

603

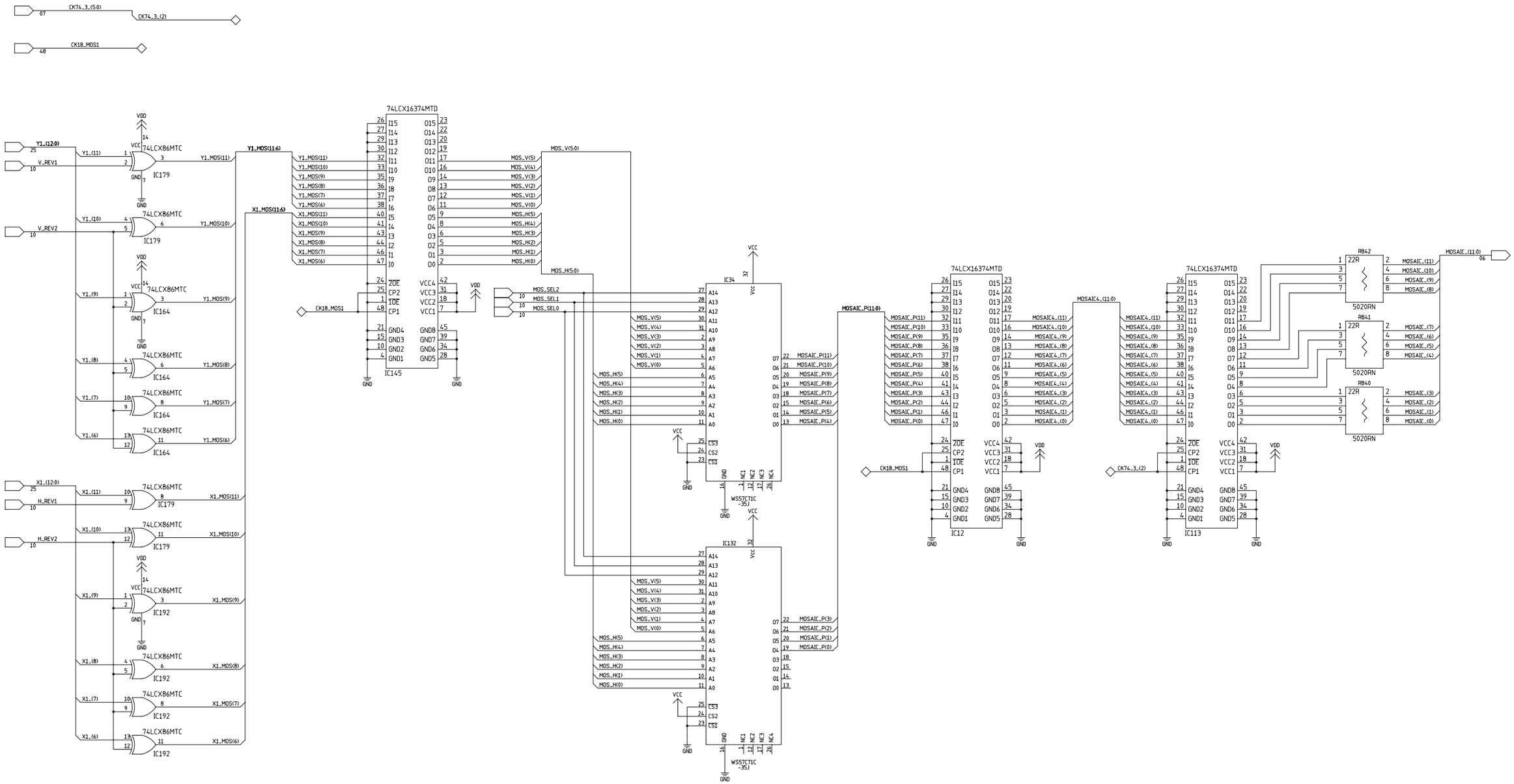
Wipe Generator Board

WKG-25 (46/50)

BOARD NO. 1-668-548-11

HDS-7000

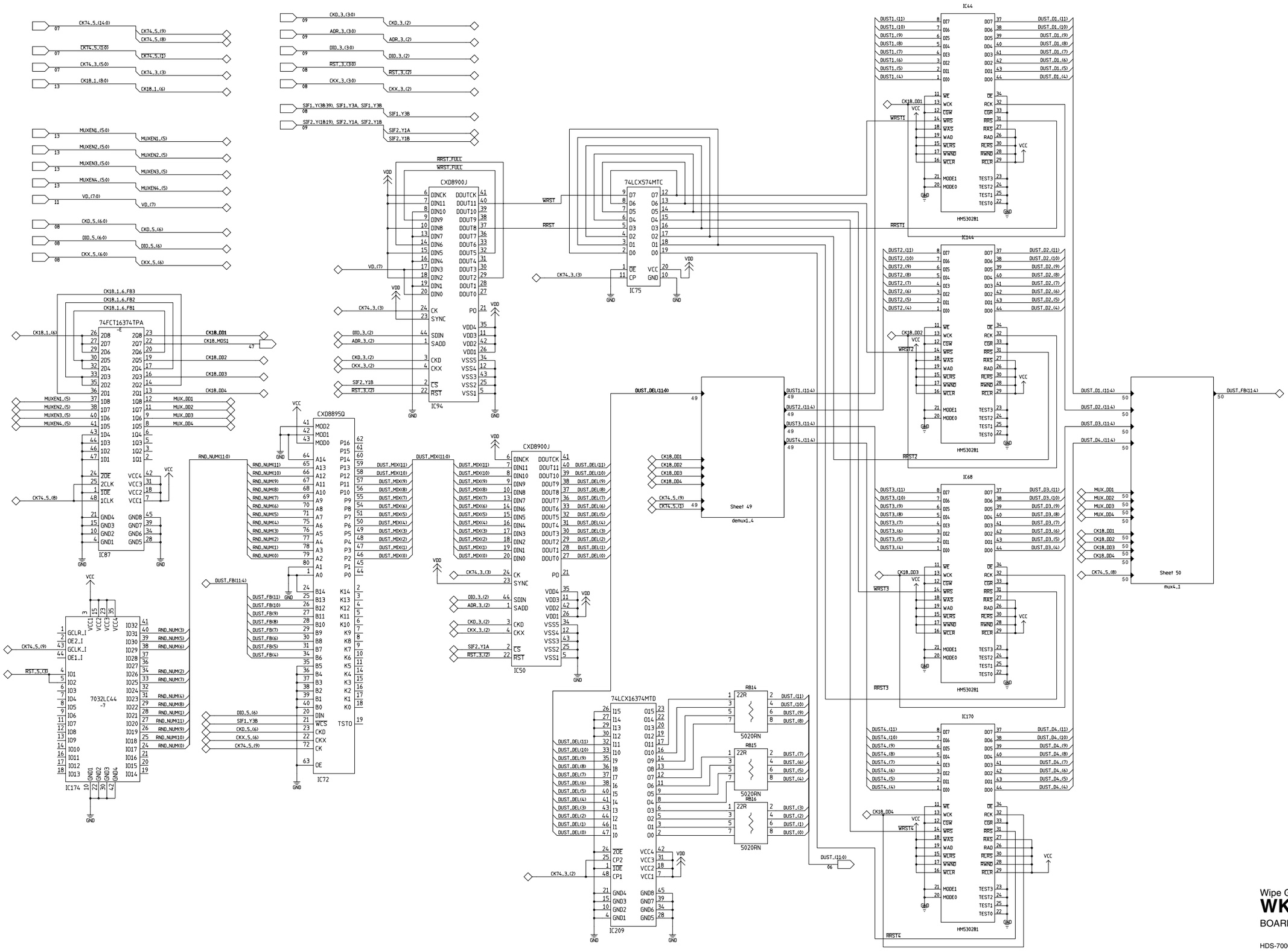
WKG-25 (47/50)



Wipe Generator Board
WKG-25 (47/50)
BOARD NO. 1-668-548-11

HDS-7000

604
HDS-7000



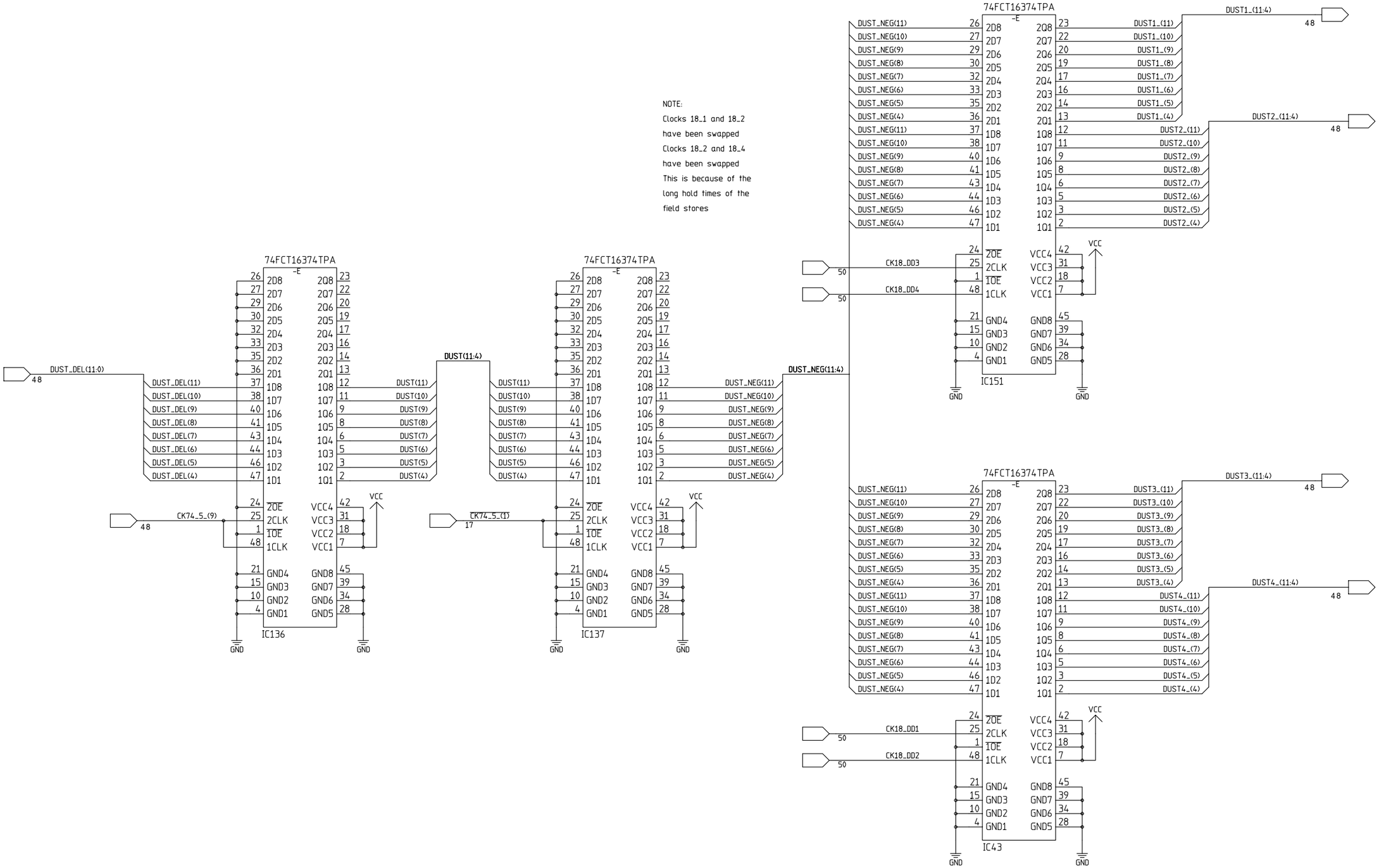
Wipe Generator Board

WKG-25 (48/50)

BOARD NO. 1-668-548-11

HDS-7000

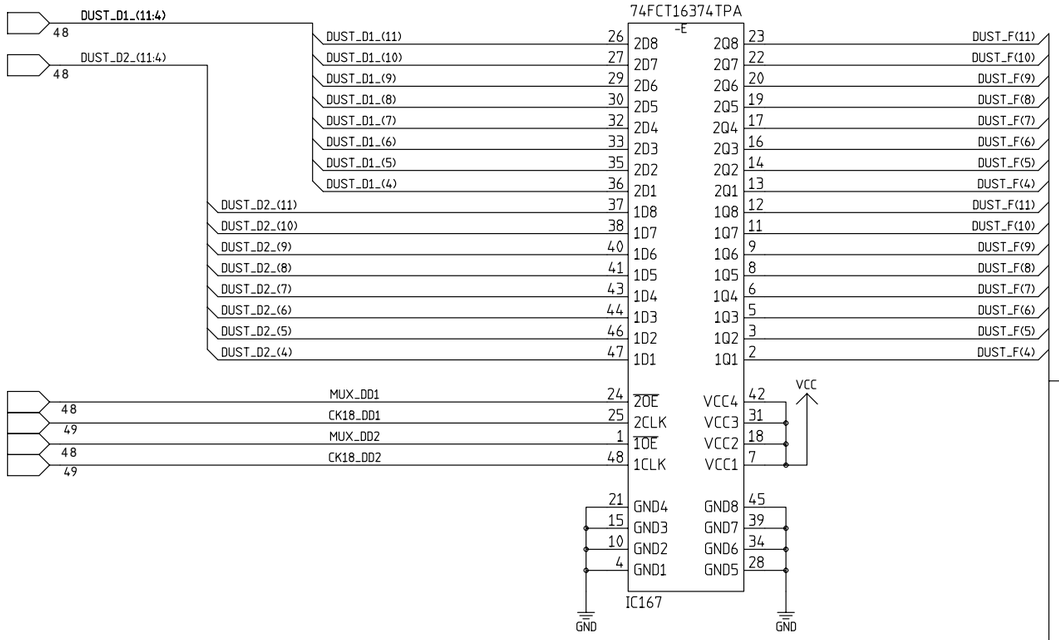
NOTE:
Clocks 18_1 and 18_2
have been swapped
Clocks 18_2 and 18_4
have been swapped
This is because of the
long hold times of the
field stores

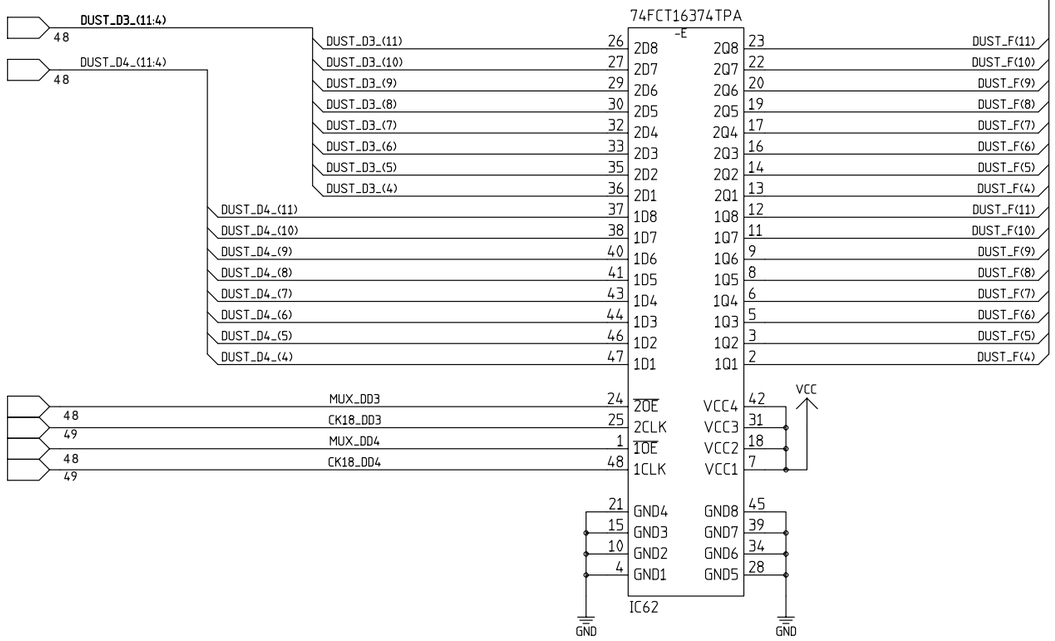


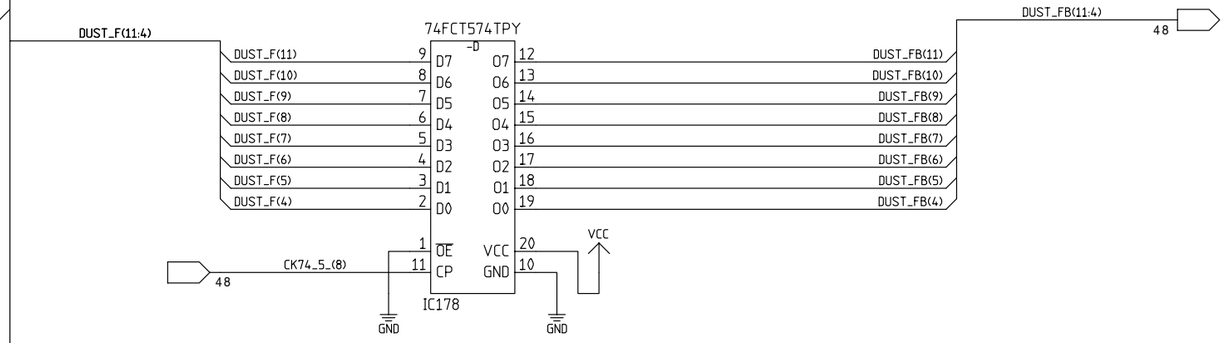
Wipe Generator Board
WKG-25 (49/50)
BOARD NO. 1-668-548-11

HDS-7000

WKG-25 (50/50)



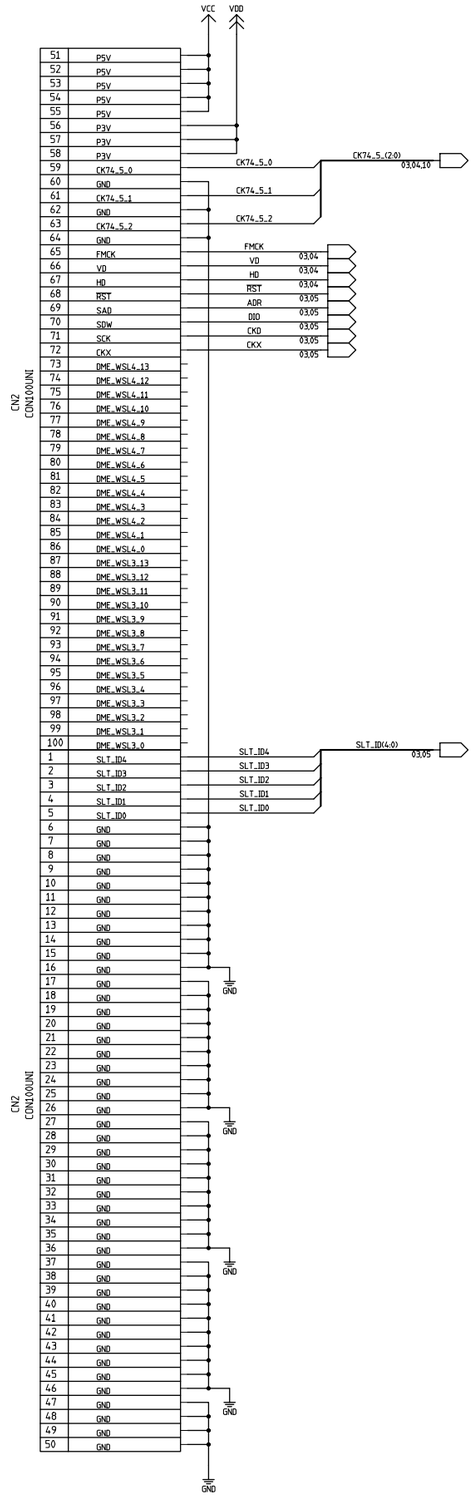


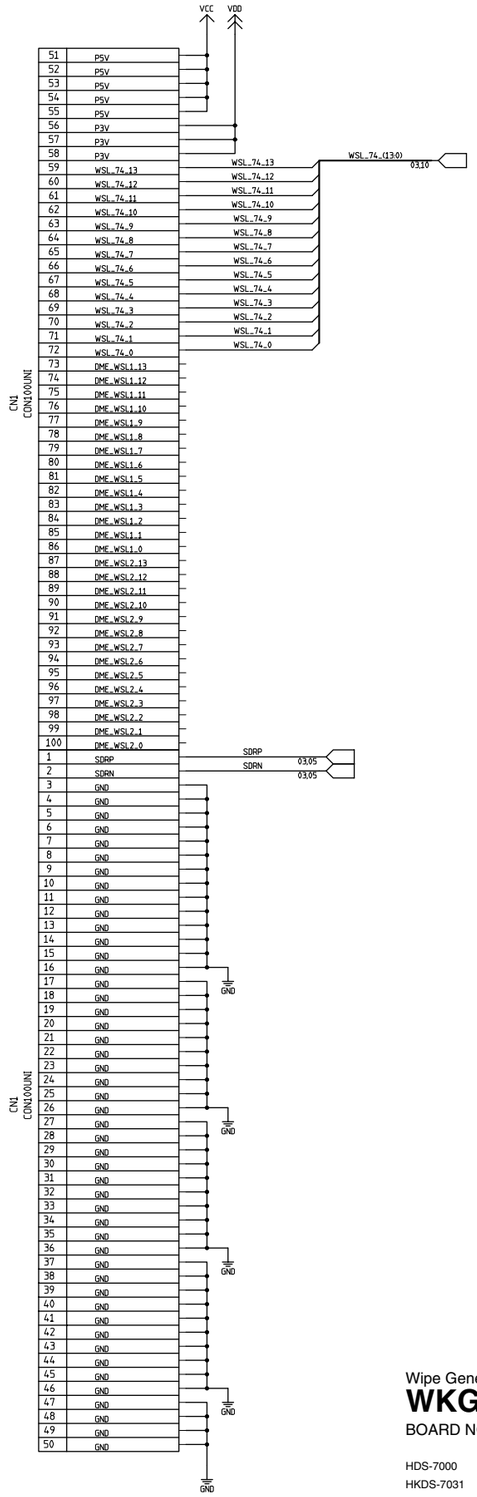


Wipe Generator Board
WKG-25 (50/50)
BOARD NO. 1-668-548-11

HDS-7000

WKG-26 (1/10)





Wipe Generator Board

WKG-26 (1/10)

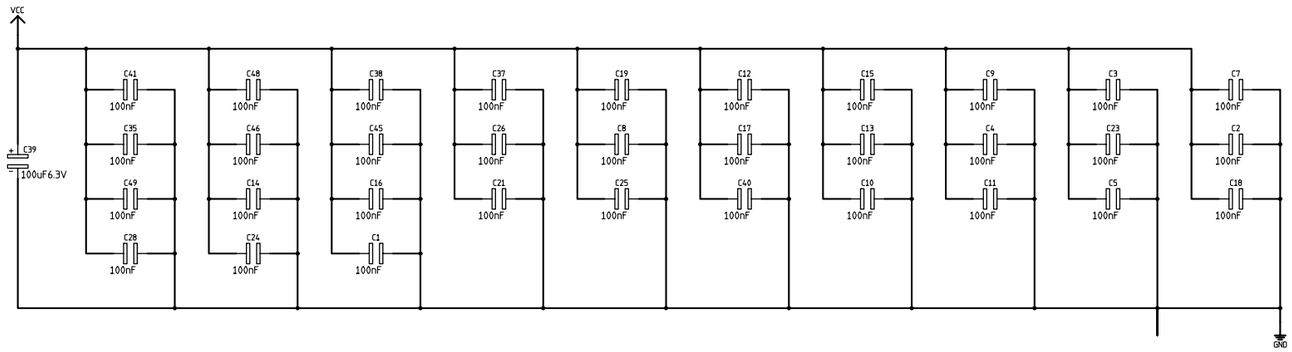
BOARD NO. 1-668-549-11

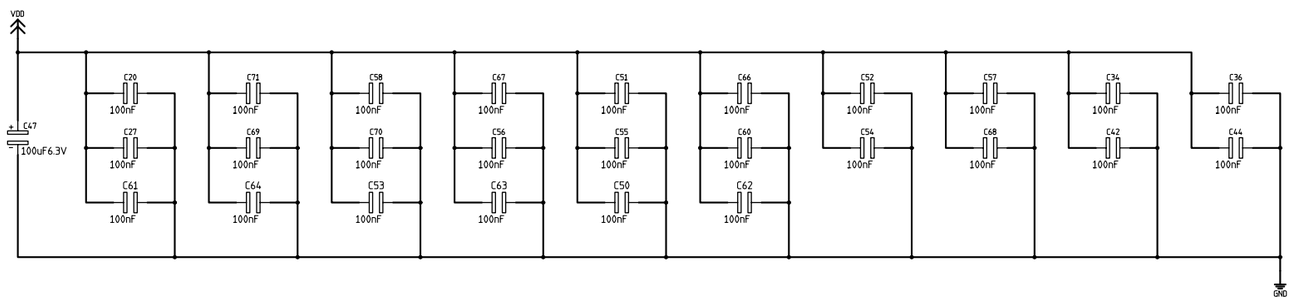
HDS-7000

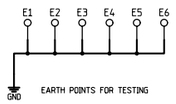
HKDS-7031

608

608





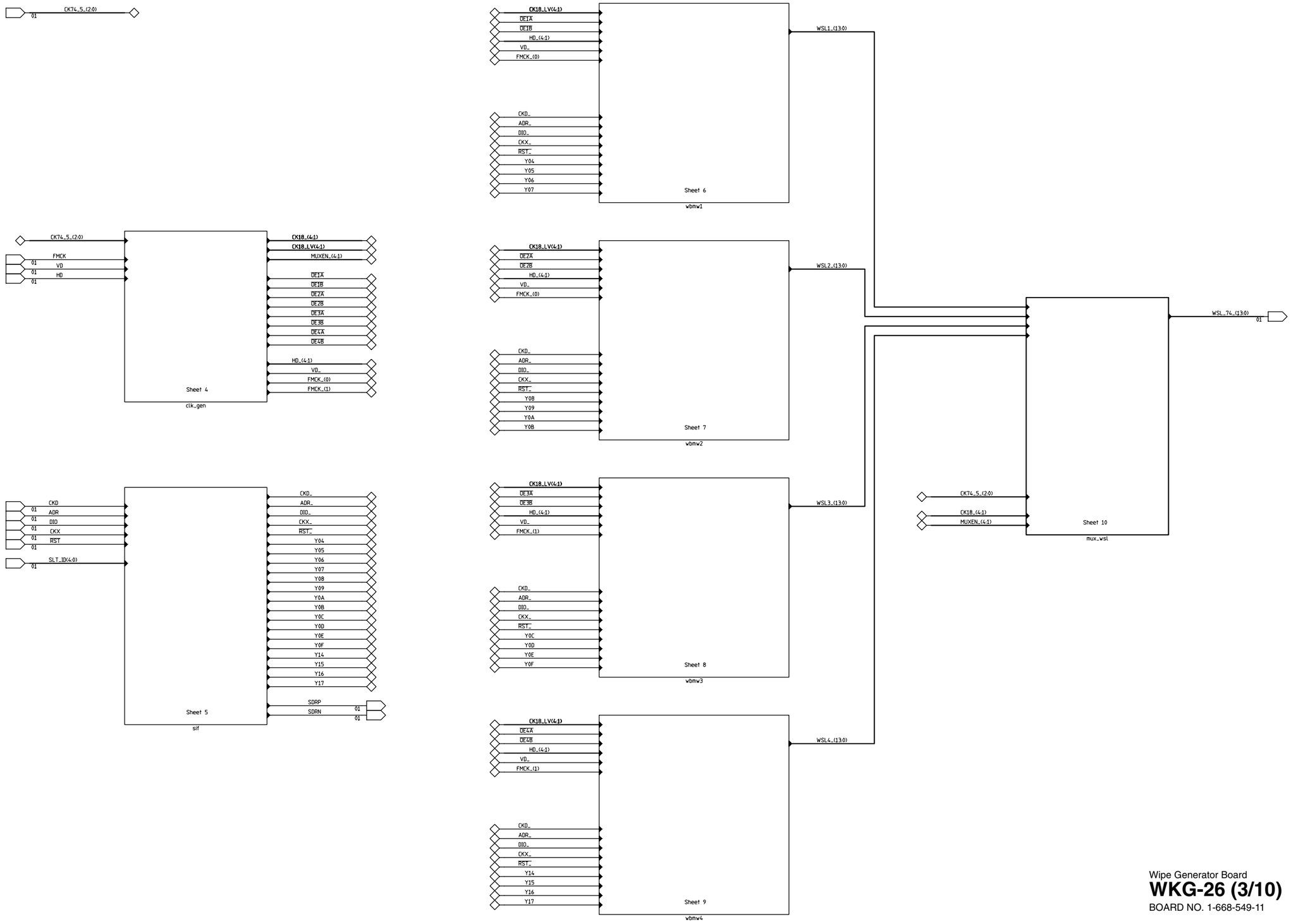


Wipe Generator Board

WKG-26 (2/10)

BOARD NO. 1-668-549-11

HDS-7000
HKDS-7031



Wipe Generator Board

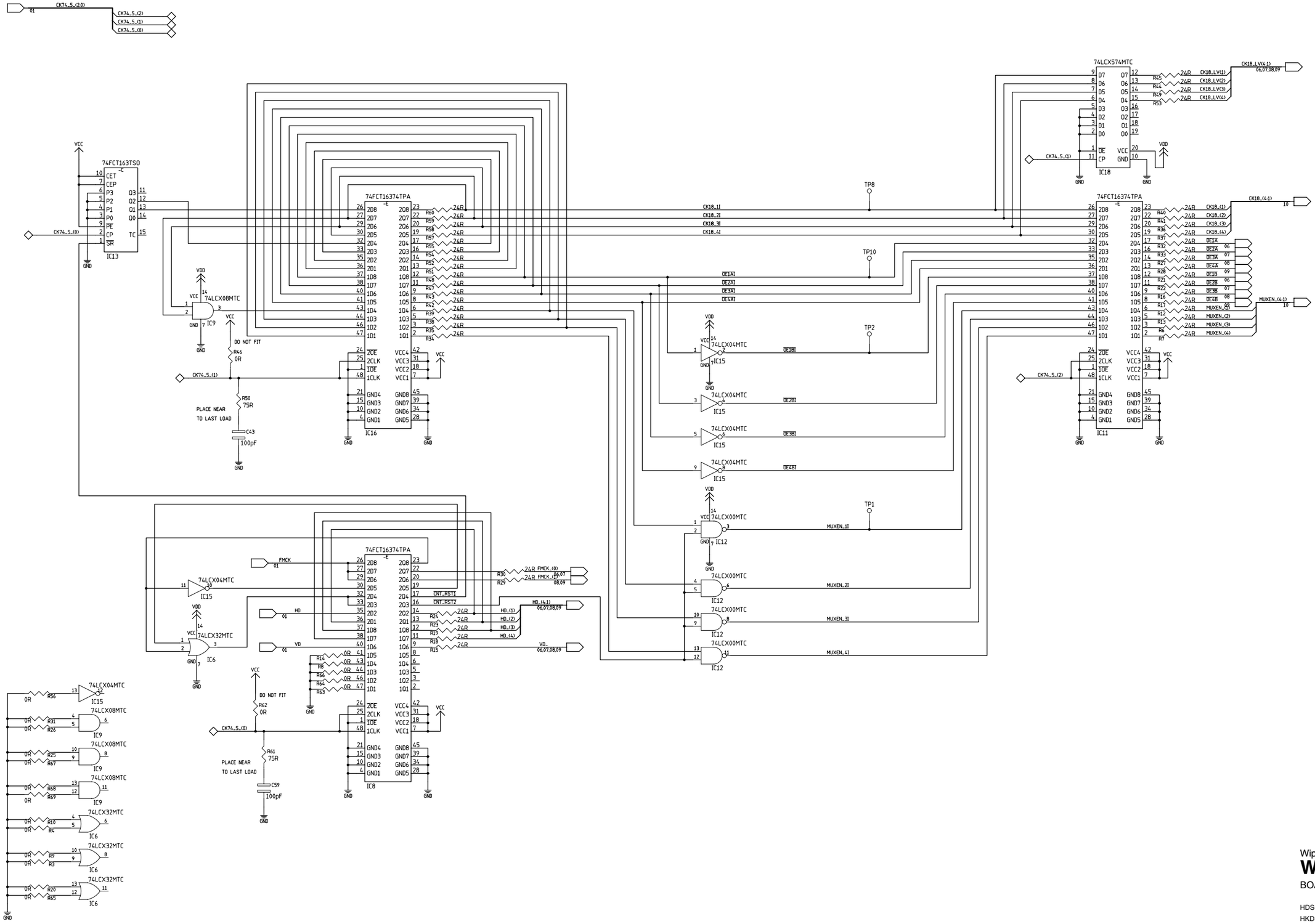
WKG-26 (3/10)

BOARD NO. 1-668-549-11

HDS-7000

HKDS-7031

WKG-26 (4/10)



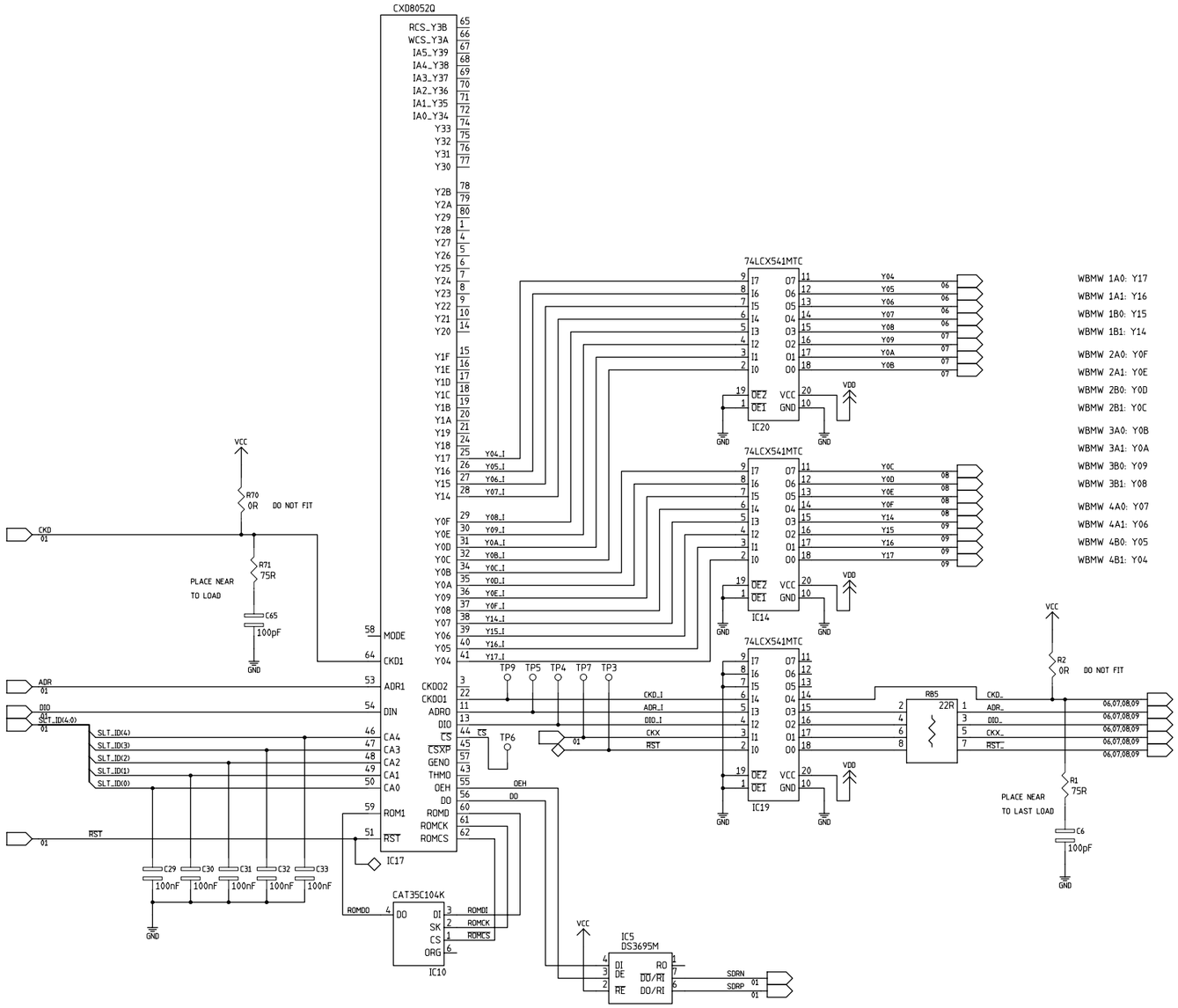
HDS-7000

611 611

Wipe Generator Board
WKG-26 (4/10)
BOARD NO. 1-668-549-11

HDS-7000
HKDS-7031

WKG-26 (5/10)



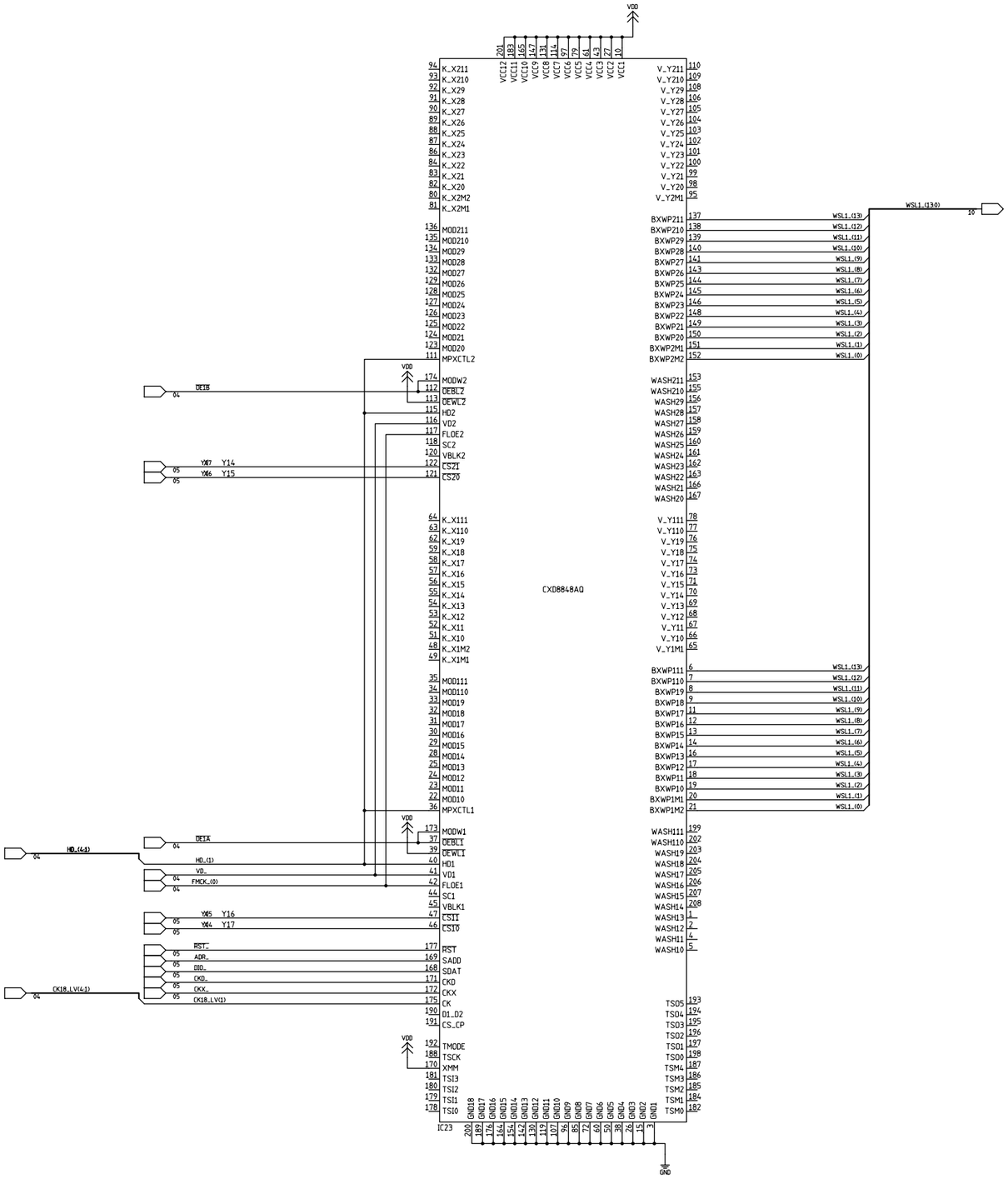
Wipe Generator Board

WKG-26 (5/10)

BOARD NO. 1-668-549-11

HDS-7000
HKDS-7031

WKG-26 (6/10)



Wipe Generator Board

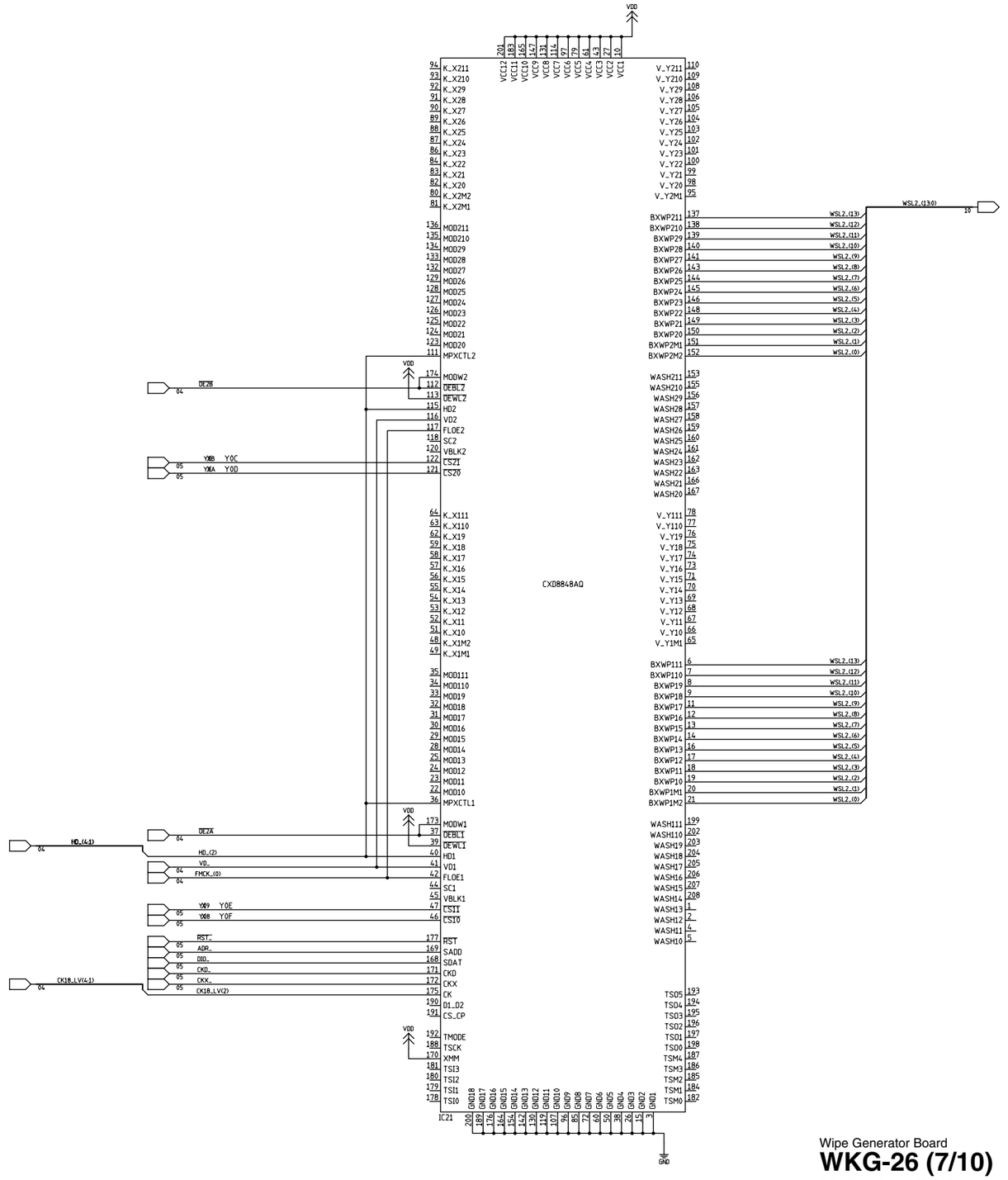
WKG-26 (6/10)

BOARD NO. 1-668-549-11

HDS-7000

HKDS-7031

WKG-26 (7/10)



Wipe Generator Board

WKG-26 (7/10)

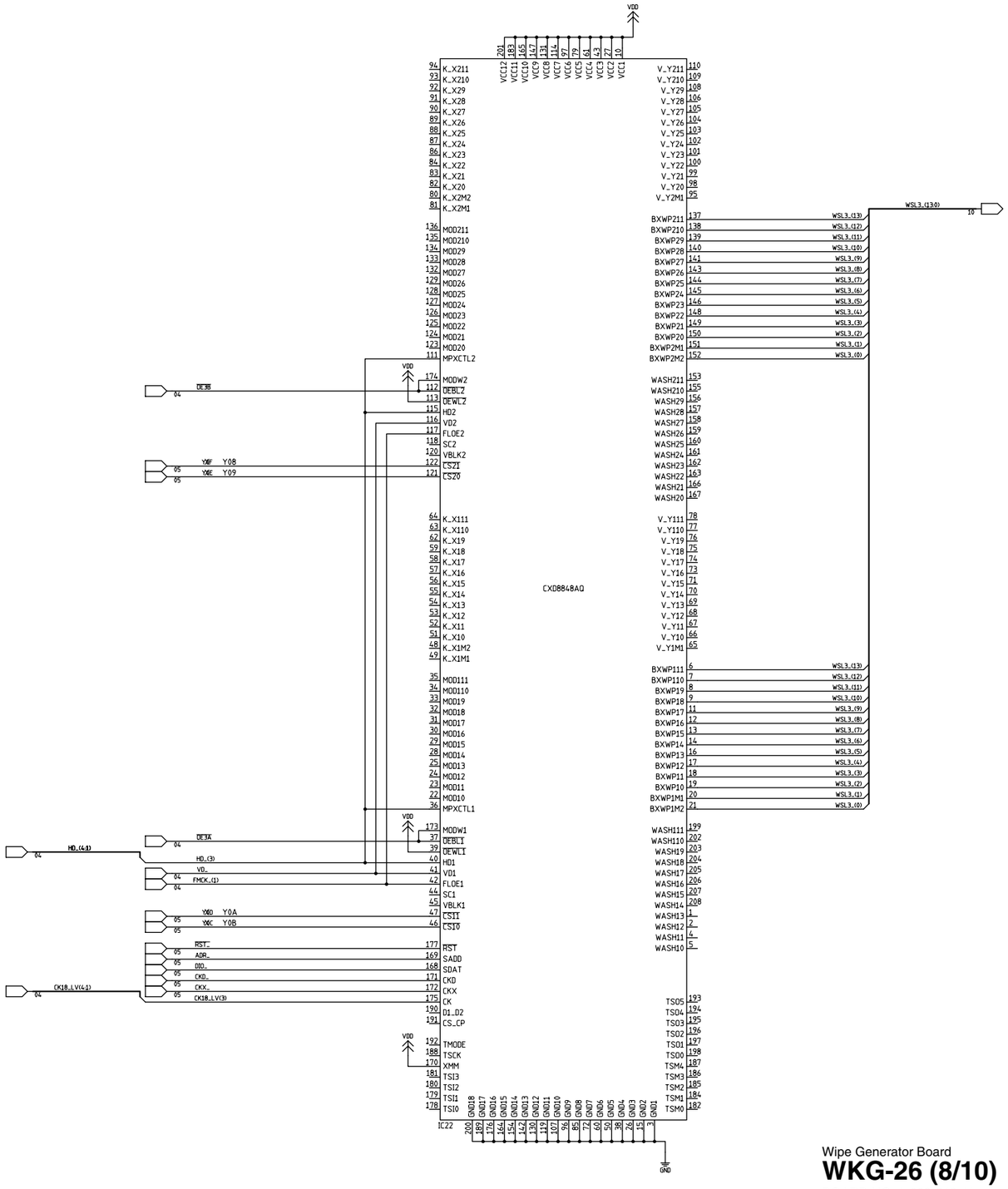
BOARD NO. 1-668-549-11

HDS-7000

HKDS-7031

614

WKG-26 (8/10)



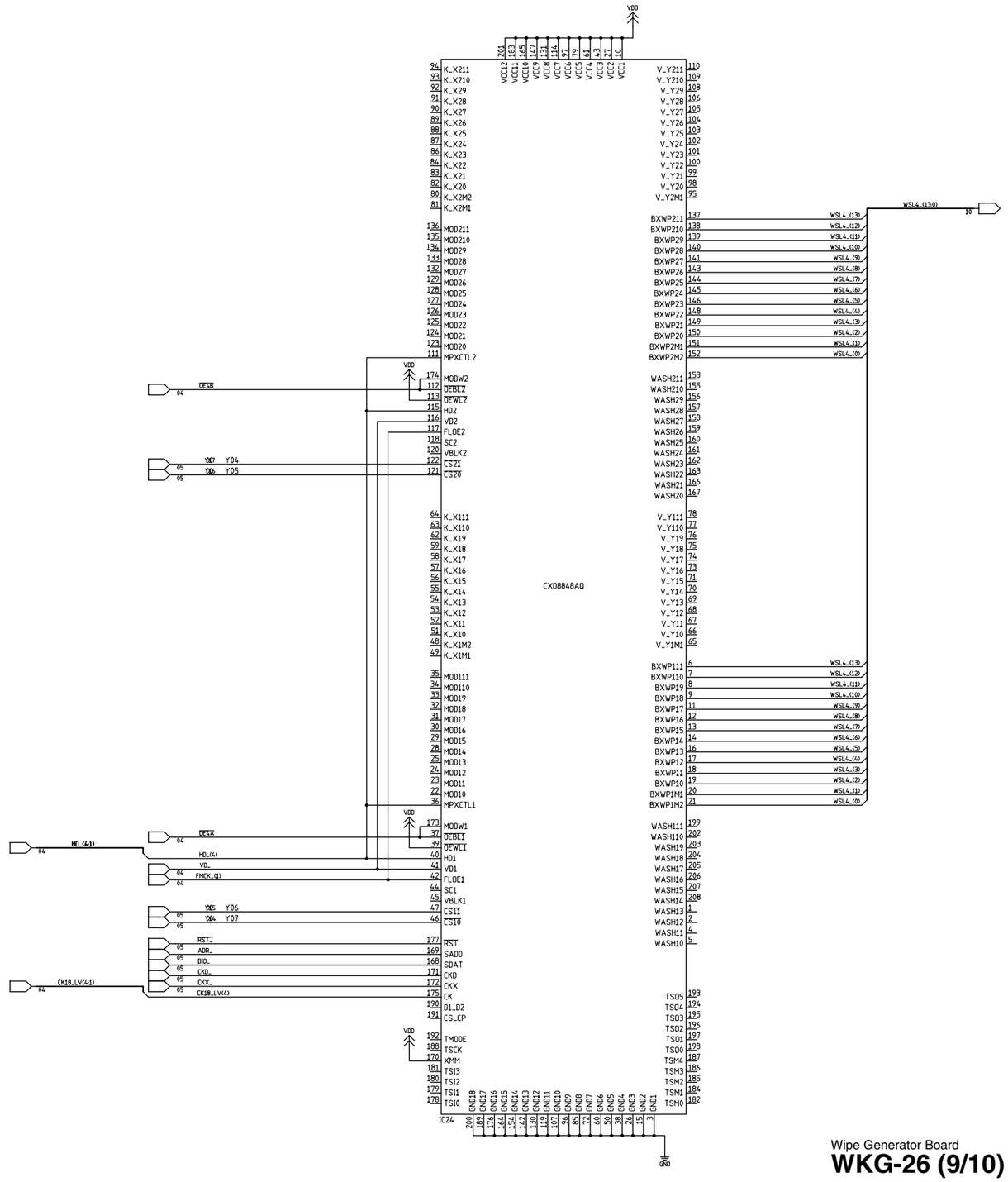
Wipe Generator Board

WKG-26 (8/10)

BOARD NO. 1-668-549-11

HDS-7000

HKDS-7031



Wipe Generator Board

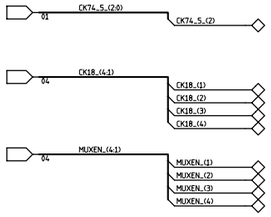
WKG-26 (9/10)

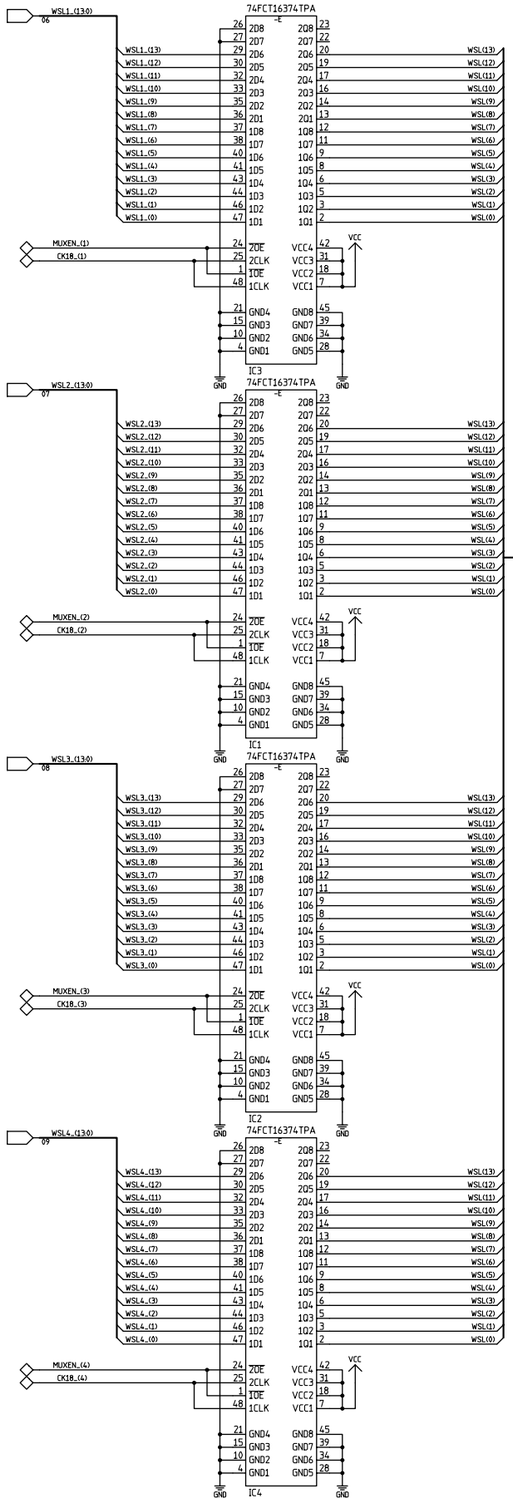
BOARD NO. 1-668-549-11

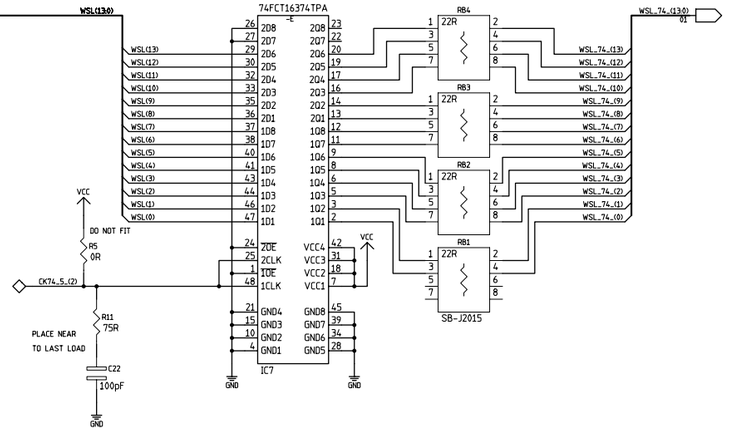
HDS-7000

HKDS-7031

WKG-26 (10/10)

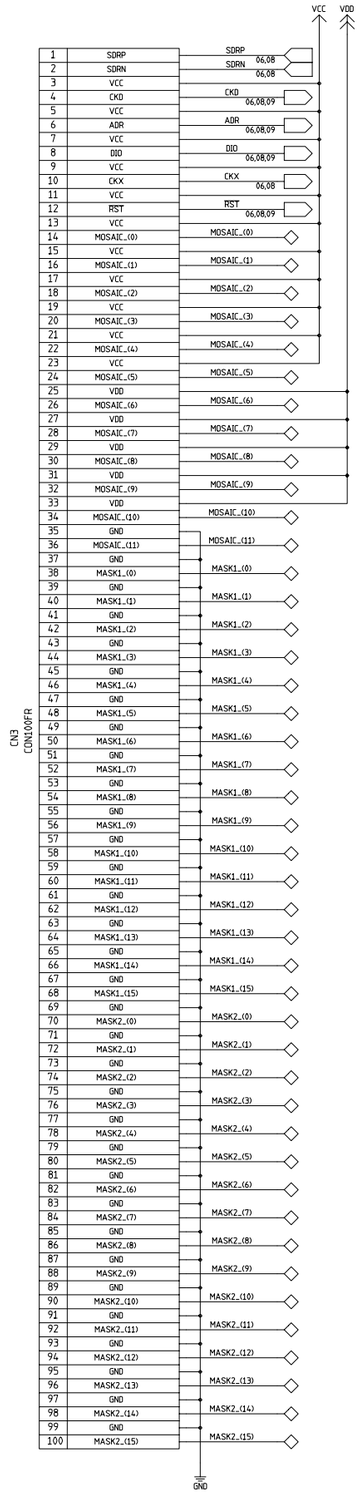


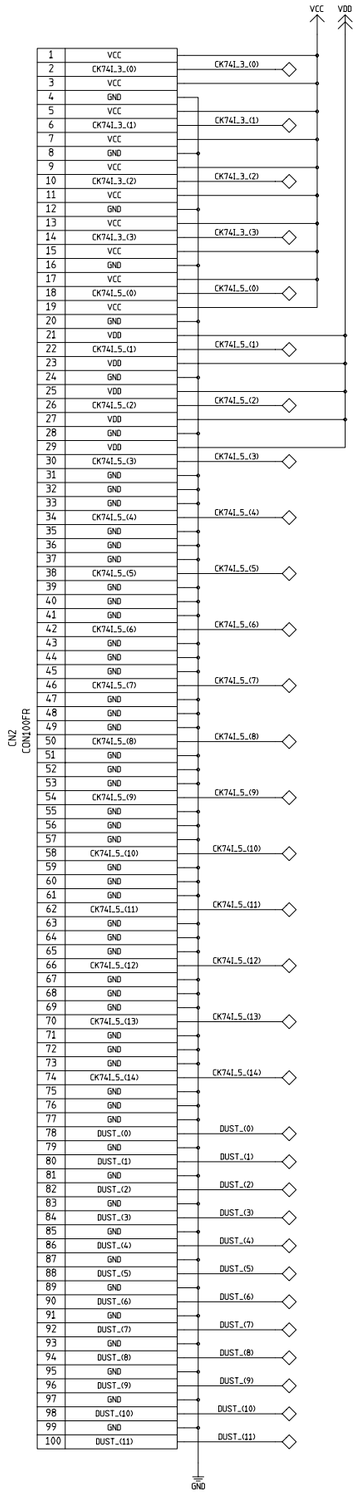


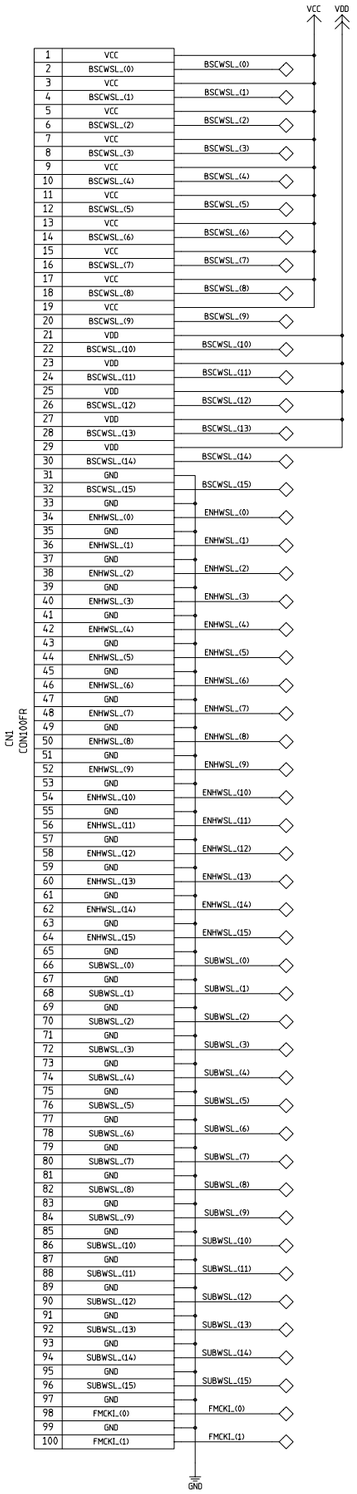


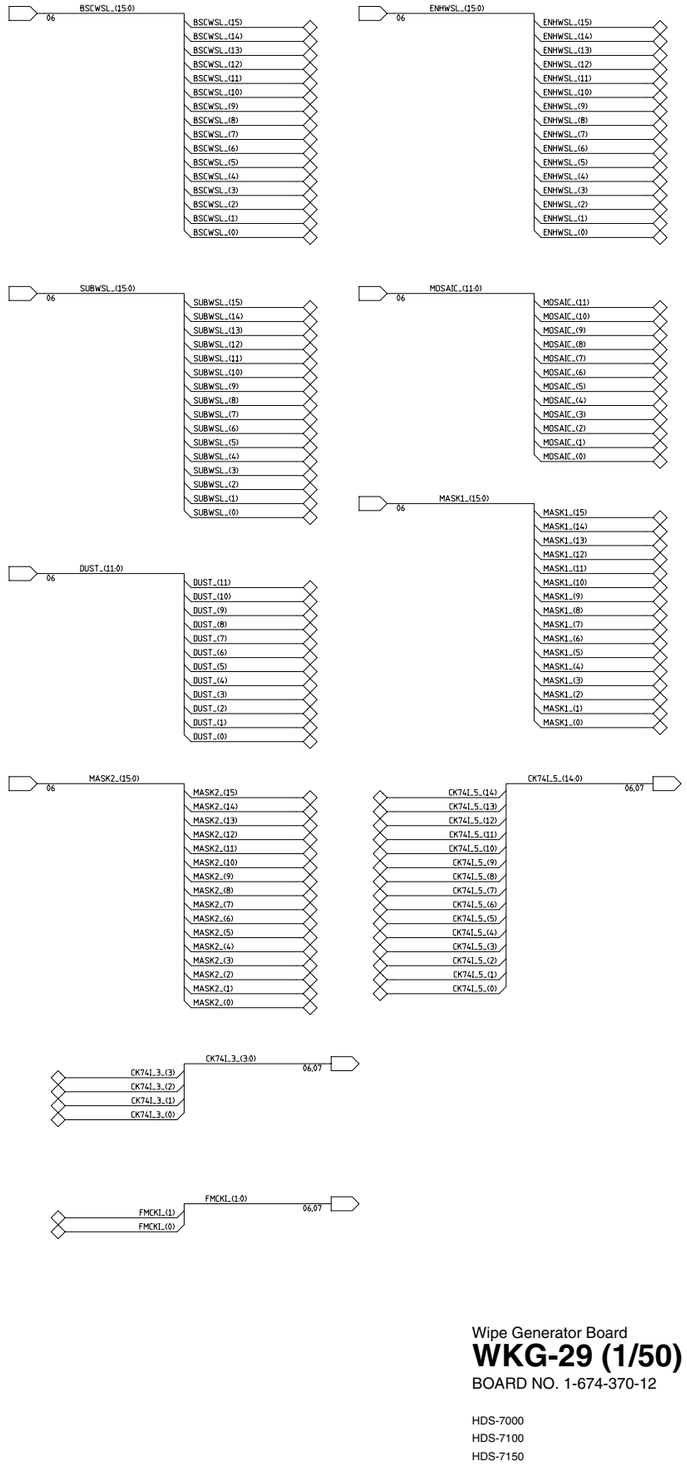
Wipe Generator Board
WKG-26 (10/10)
BOARD NO. 1-668-549-11

HDS-7000
HKDS-7031







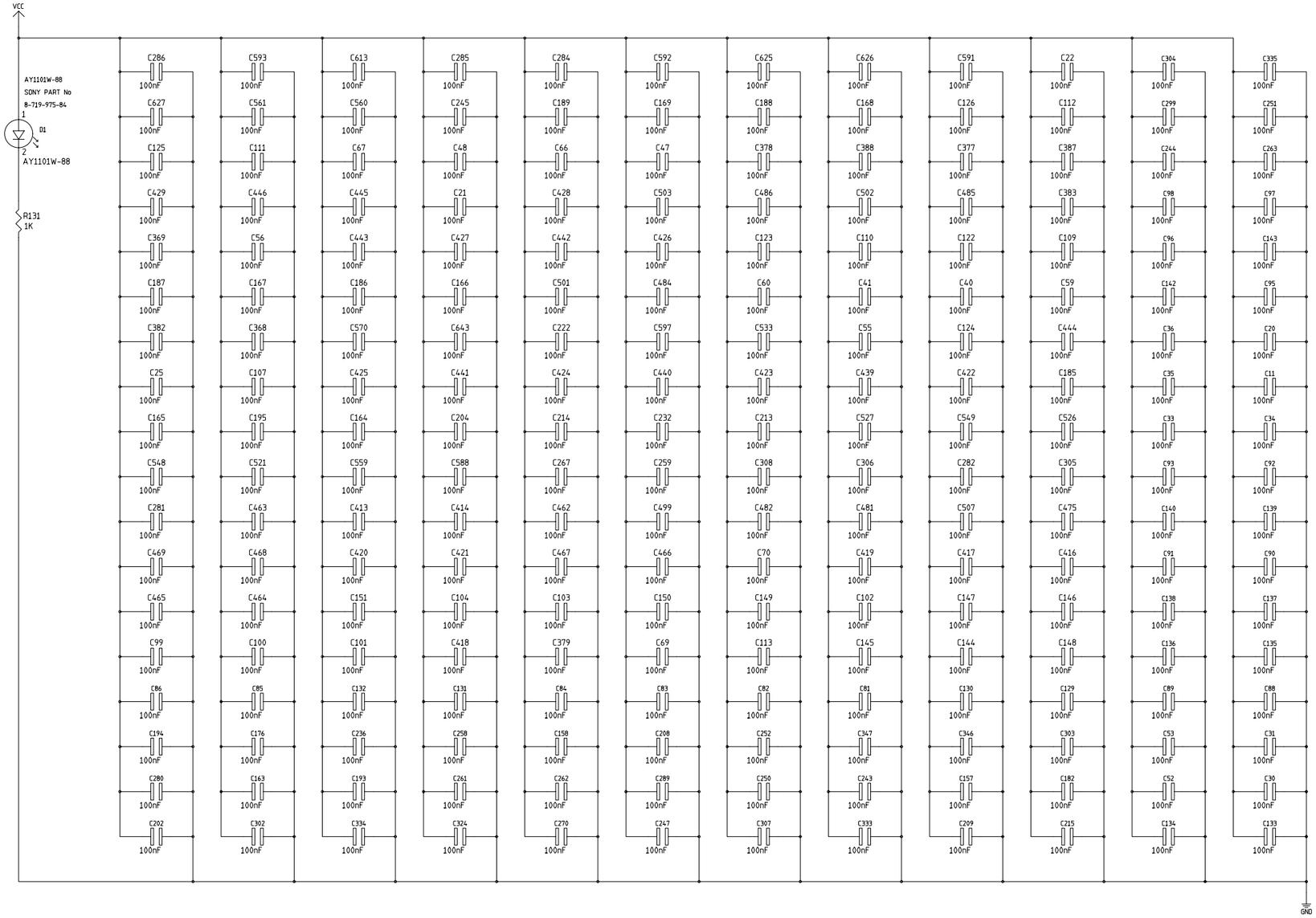


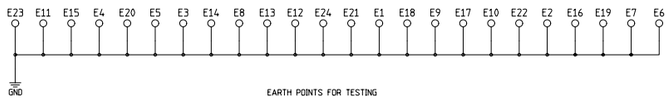
Wipe Generator Board

WKG-29 (1/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150





Wipe Generator Board
WKG-29 (2/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

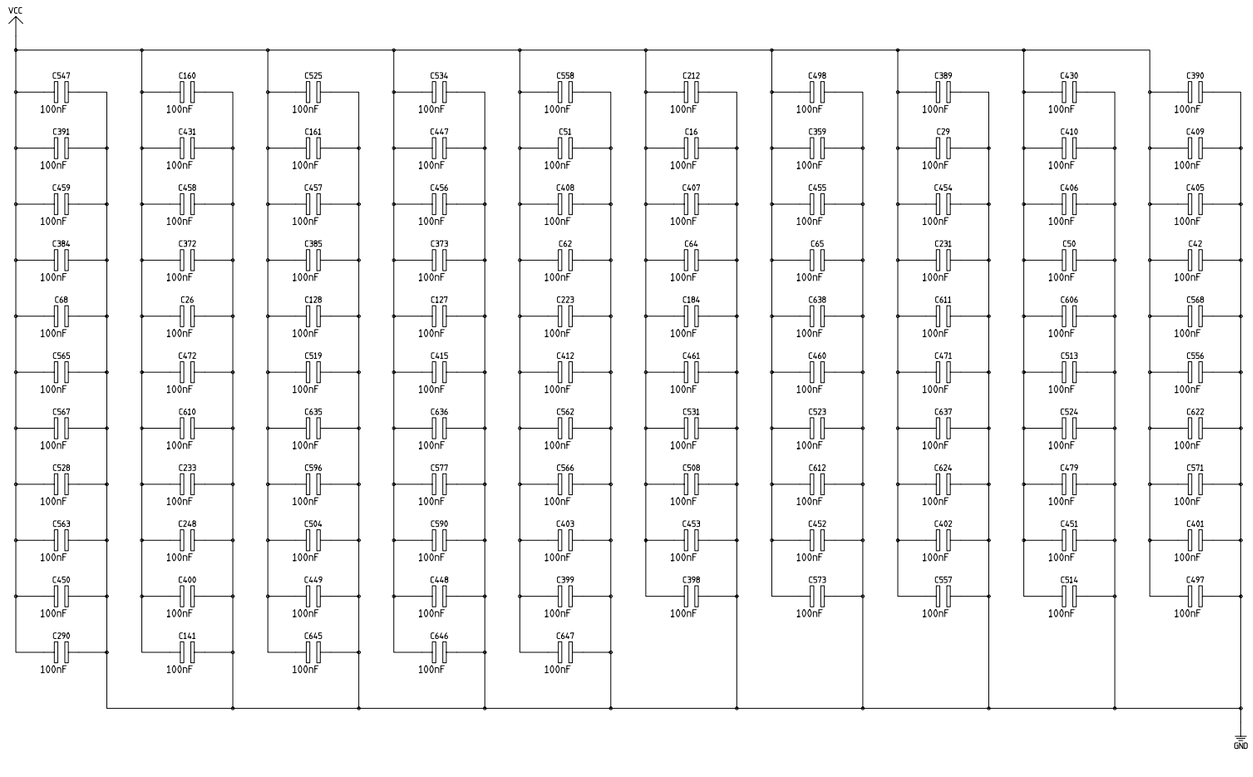
HDS-7000

619 619

A B C D E F G H

1 2 3 4 5

WKG-29 (3/50)

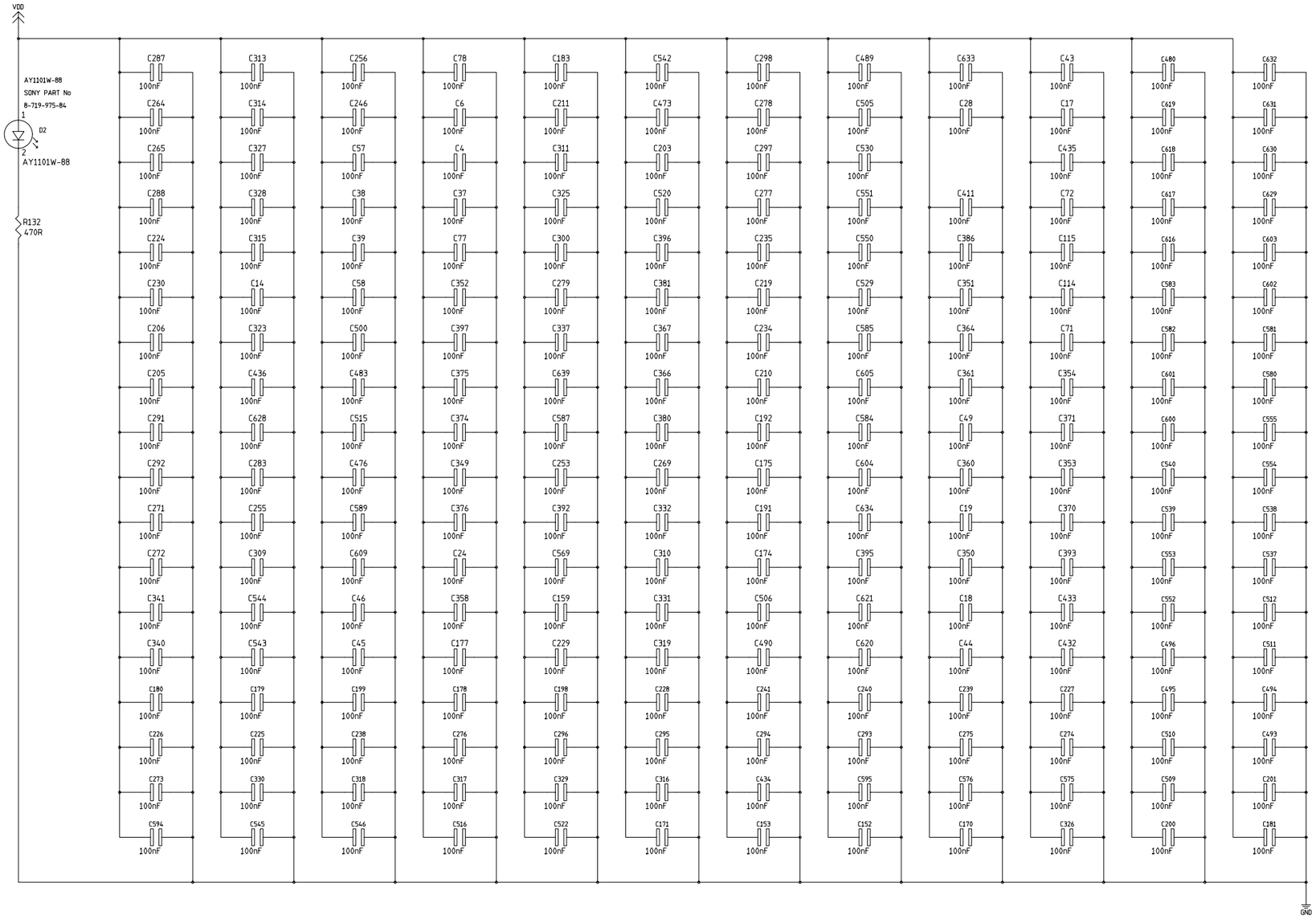


Wipe Generator Board
WKG-29 (3/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

HDS-7000

620 620



Wipe Generator Board
WKG-29 (4/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

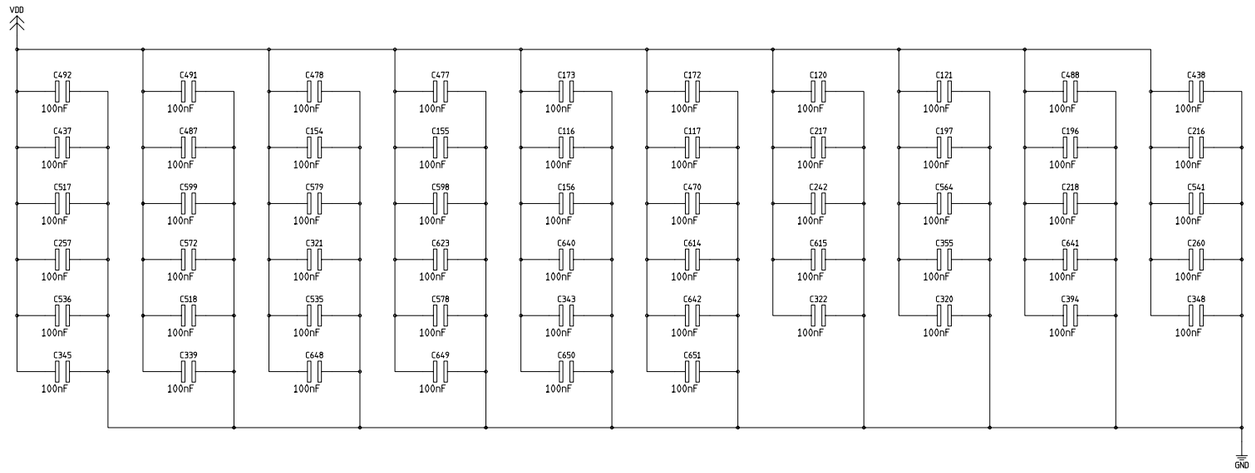
HDS-7000

621 621

A B C D E F G H

1 2 3 4 5

WKG-29 (5/50)



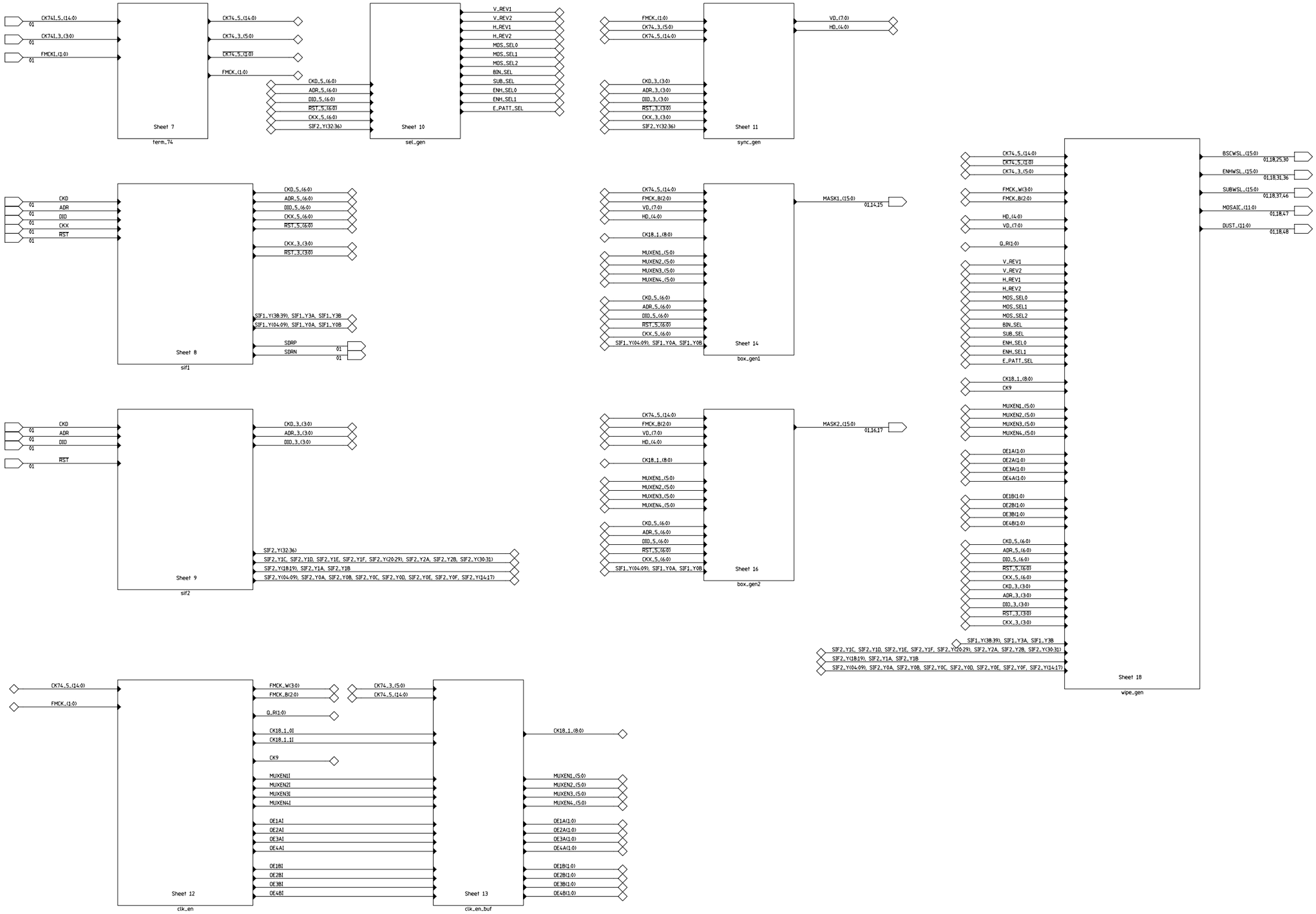
Wipe Generator Board
WKG-29 (5/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

622 622

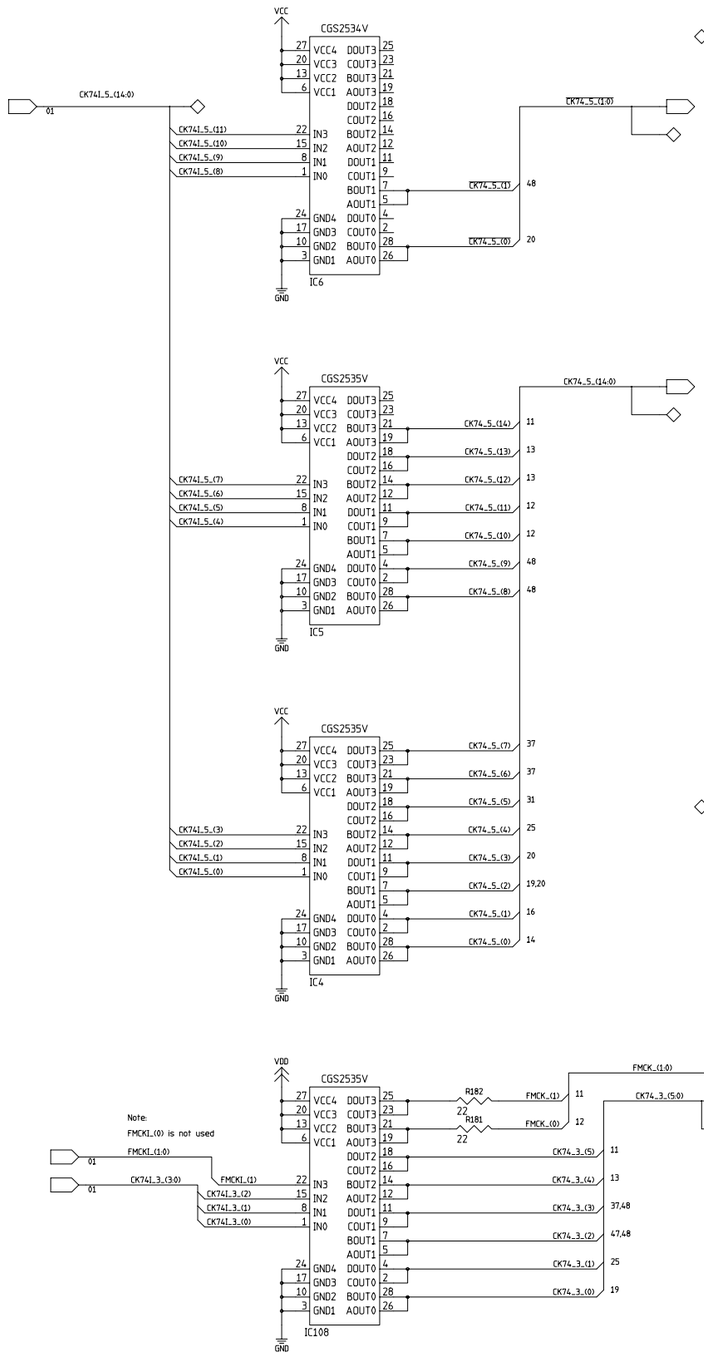
HDS-7000

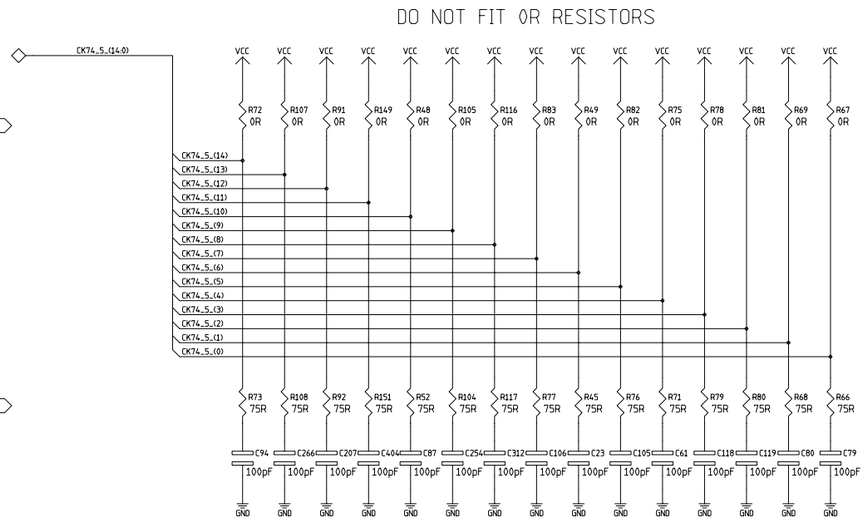
WKG-29 (6/50)

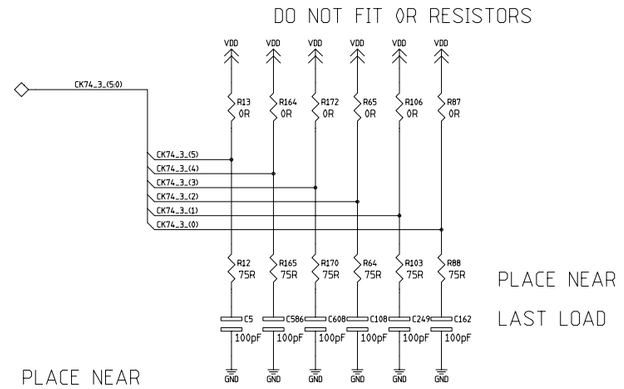


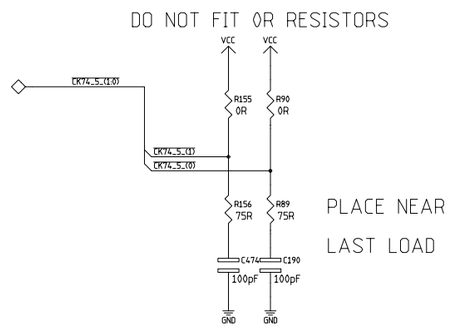
Wipe Generator Board
WKG-29 (6/50)
BOARD NO. 1-674-370-12

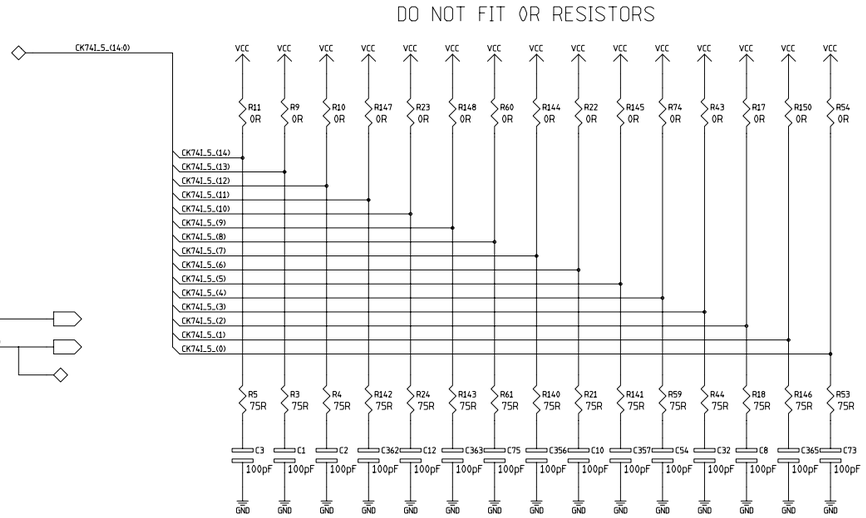
HDS-7000
HDS-7100
HDS-7150

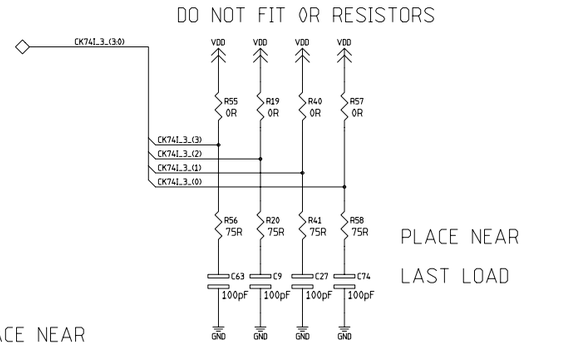












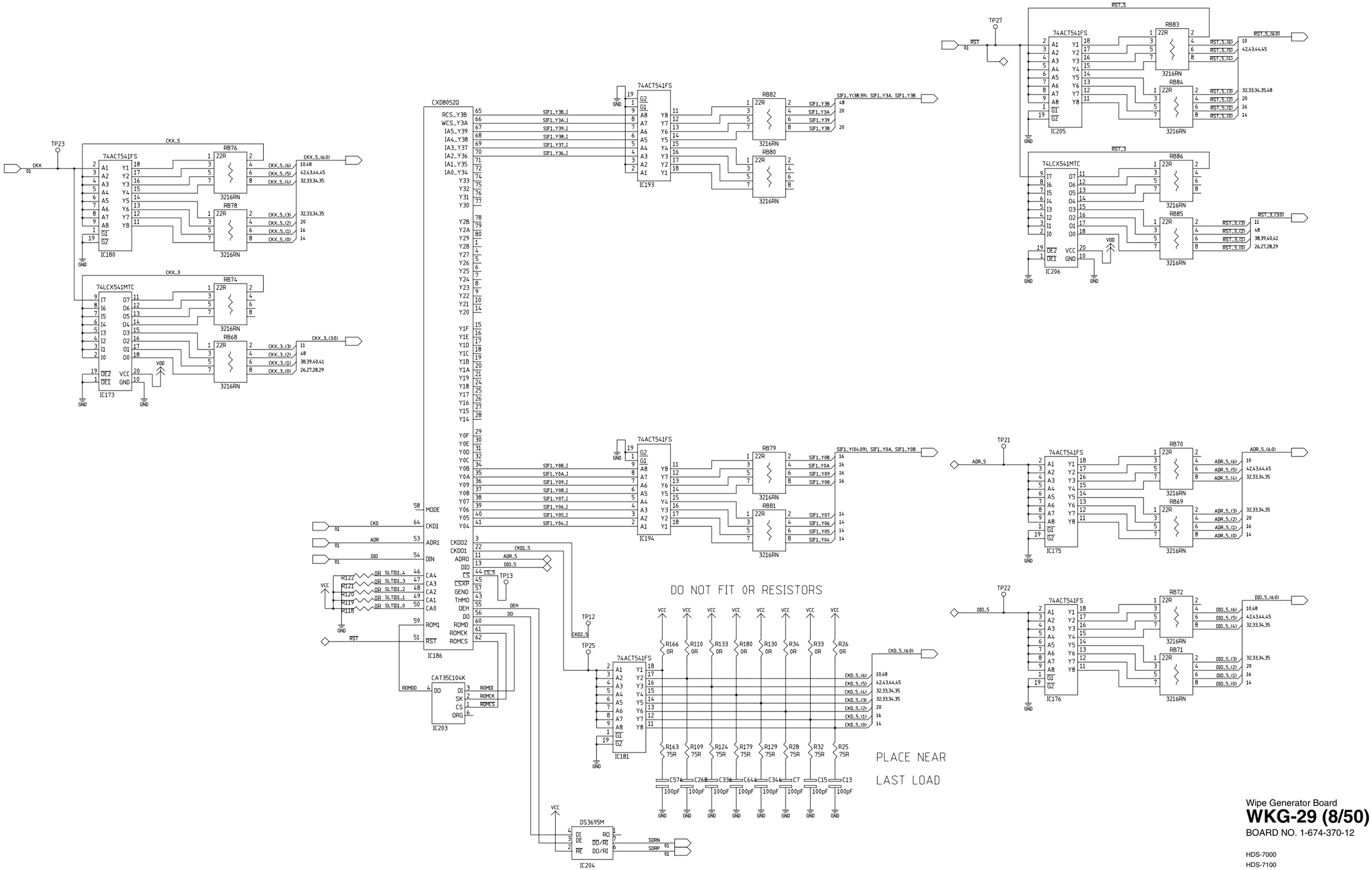
Wipe Generator Board

WKG-29 (7/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (8/50)



Wipe Generator Board

WKG-29 (8/50)

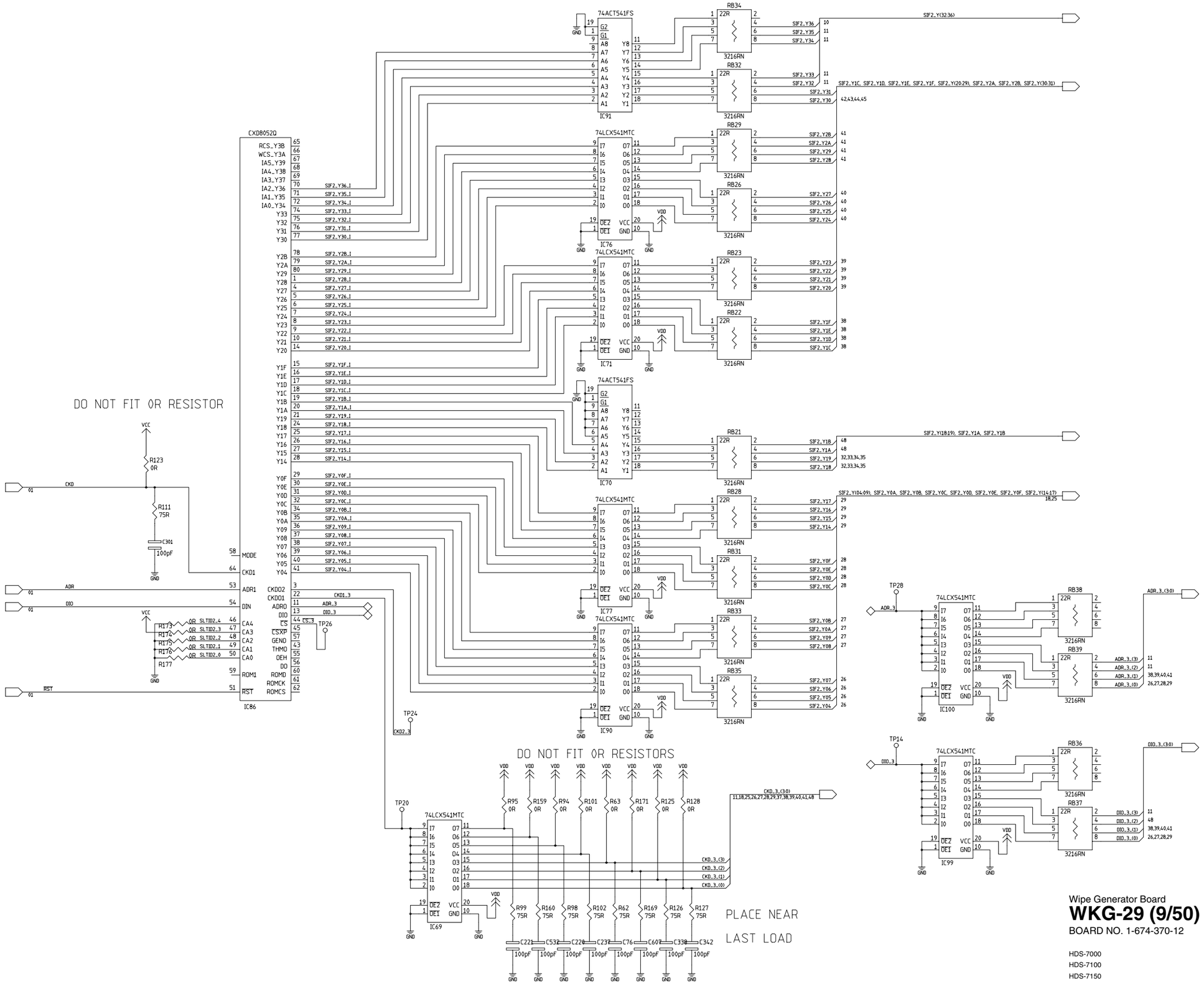
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

HDS-7000

625 625

A B C D E F G H



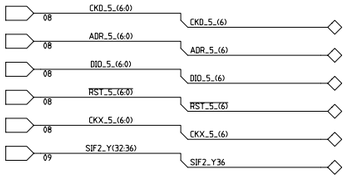
Wipe Generator Board

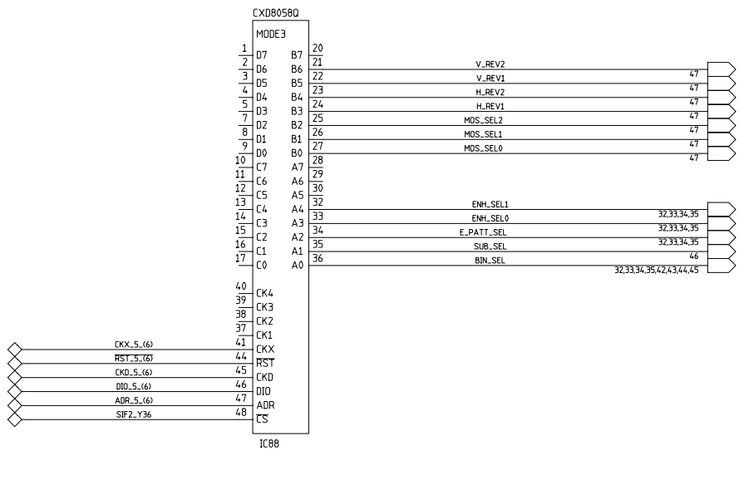
WKG-29 (9/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (10/50)

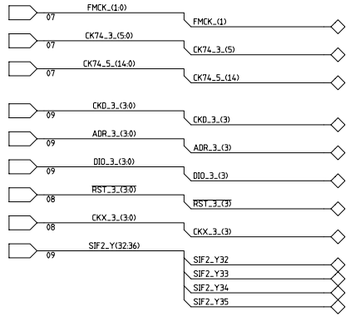


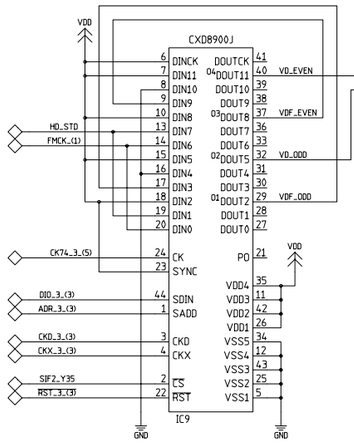


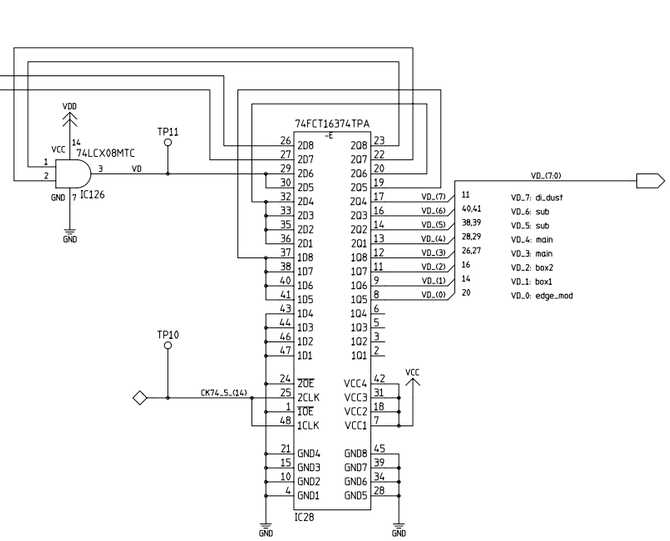
Wipe Generator Board
WKG-29 (10/50)
BOARD NO. 1-674-370-12

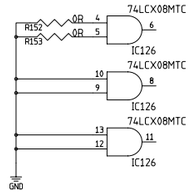
HDS-7000
HDS-7100
HDS-7150

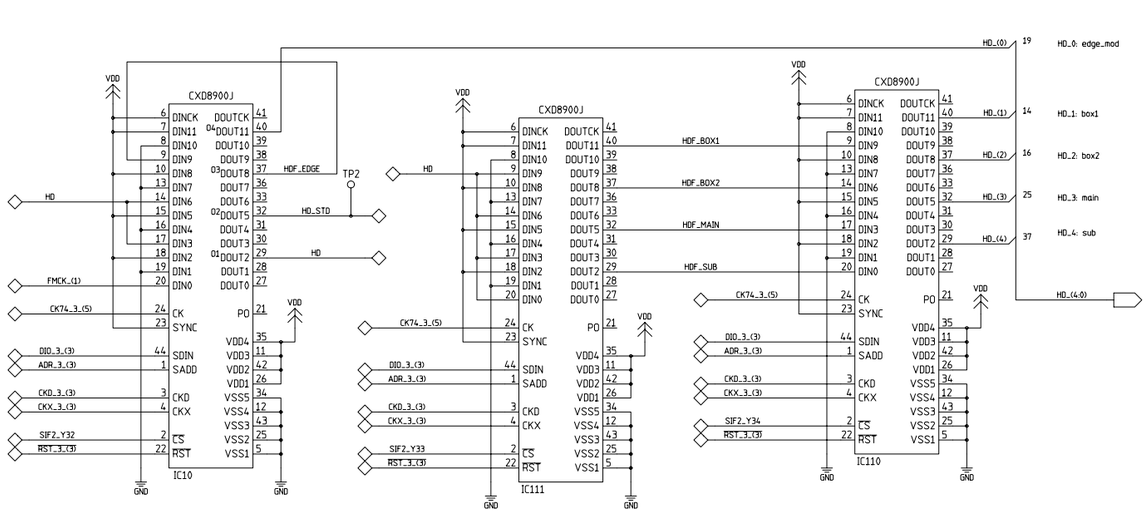
WKG-29 (11/50)











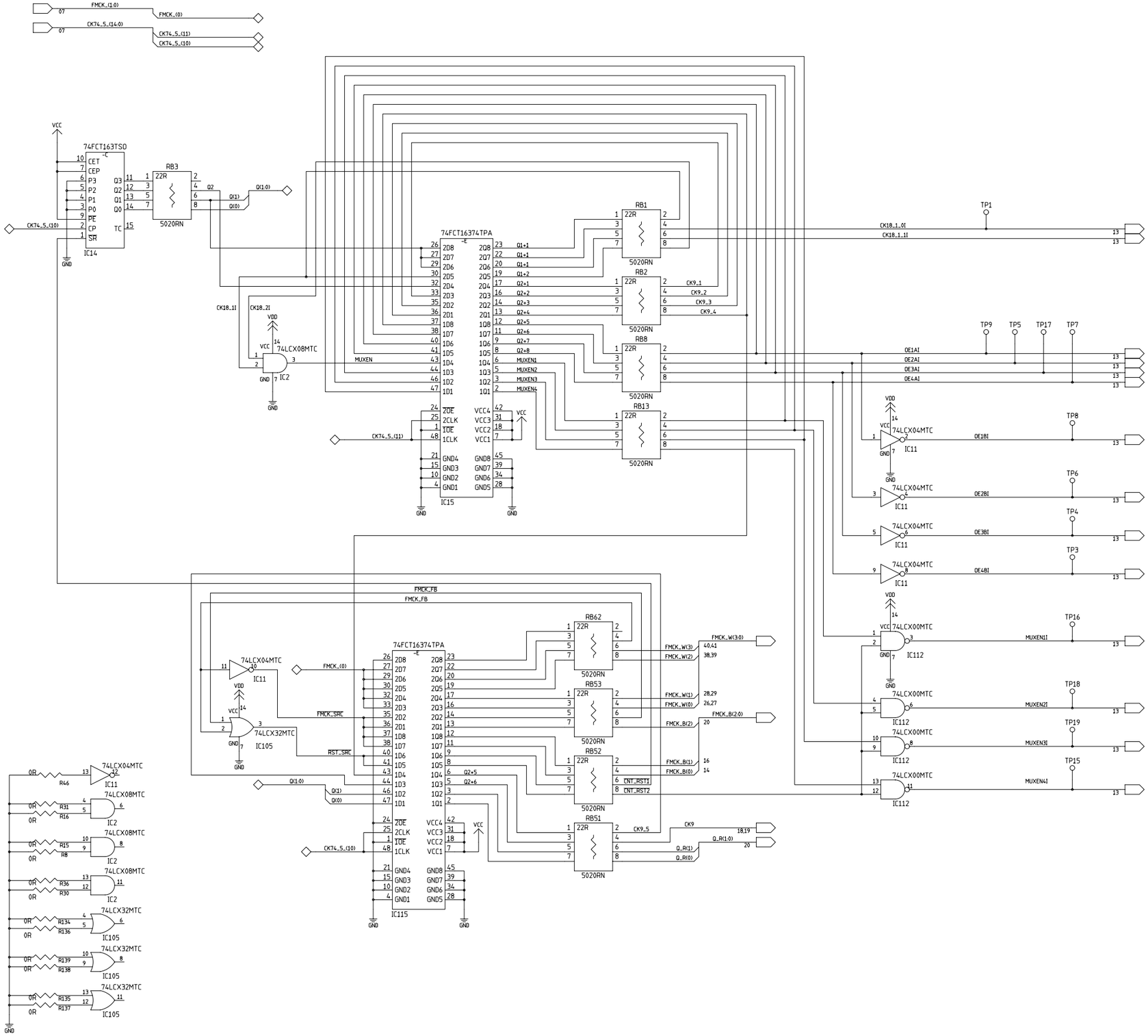
Wipe Generator Board

WKG-29 (11/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

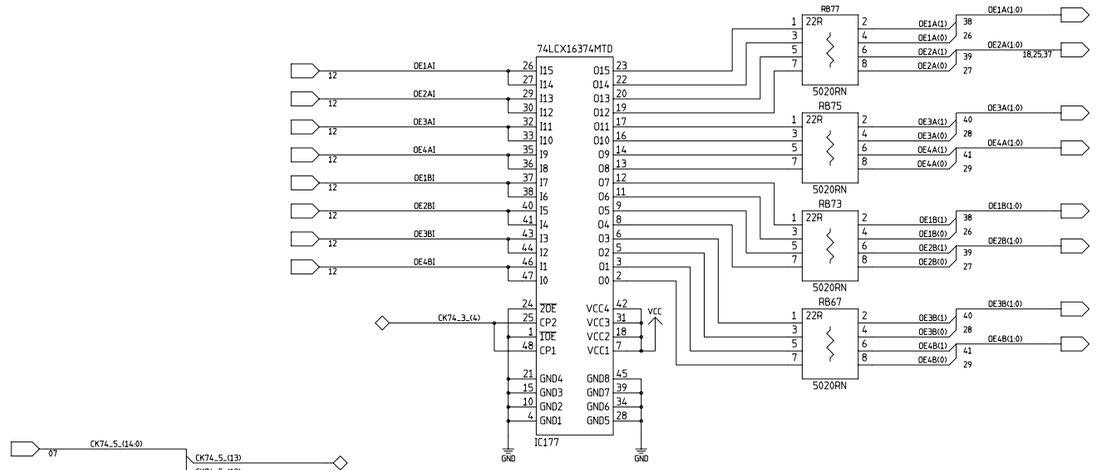
628

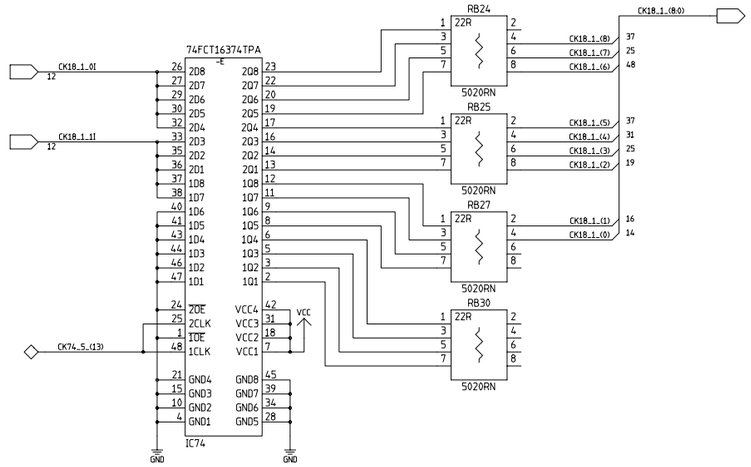


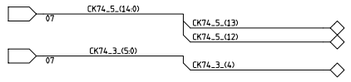
Wipe Generator Board
WKG-29 (12/50)
BOARD NO. 1-674-370-12

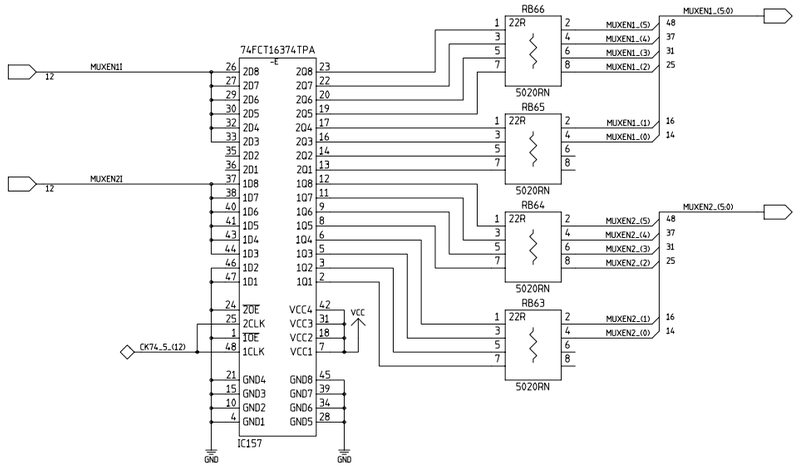
HDS-7000
HDS-7100
HDS-7150

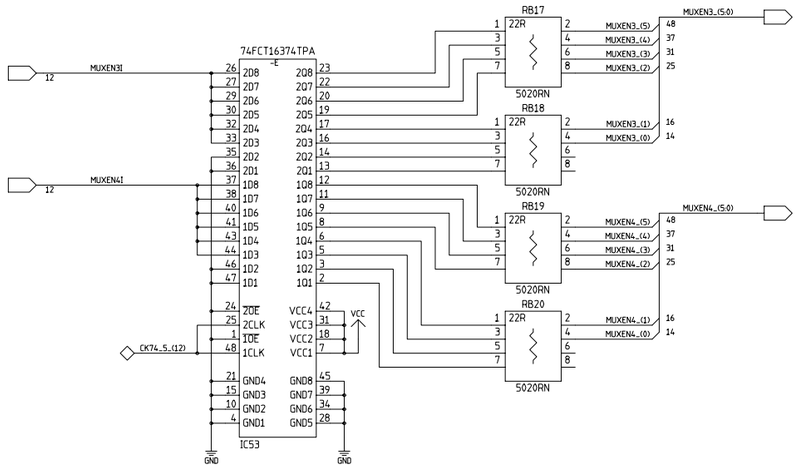
WKG-29 (13/50)











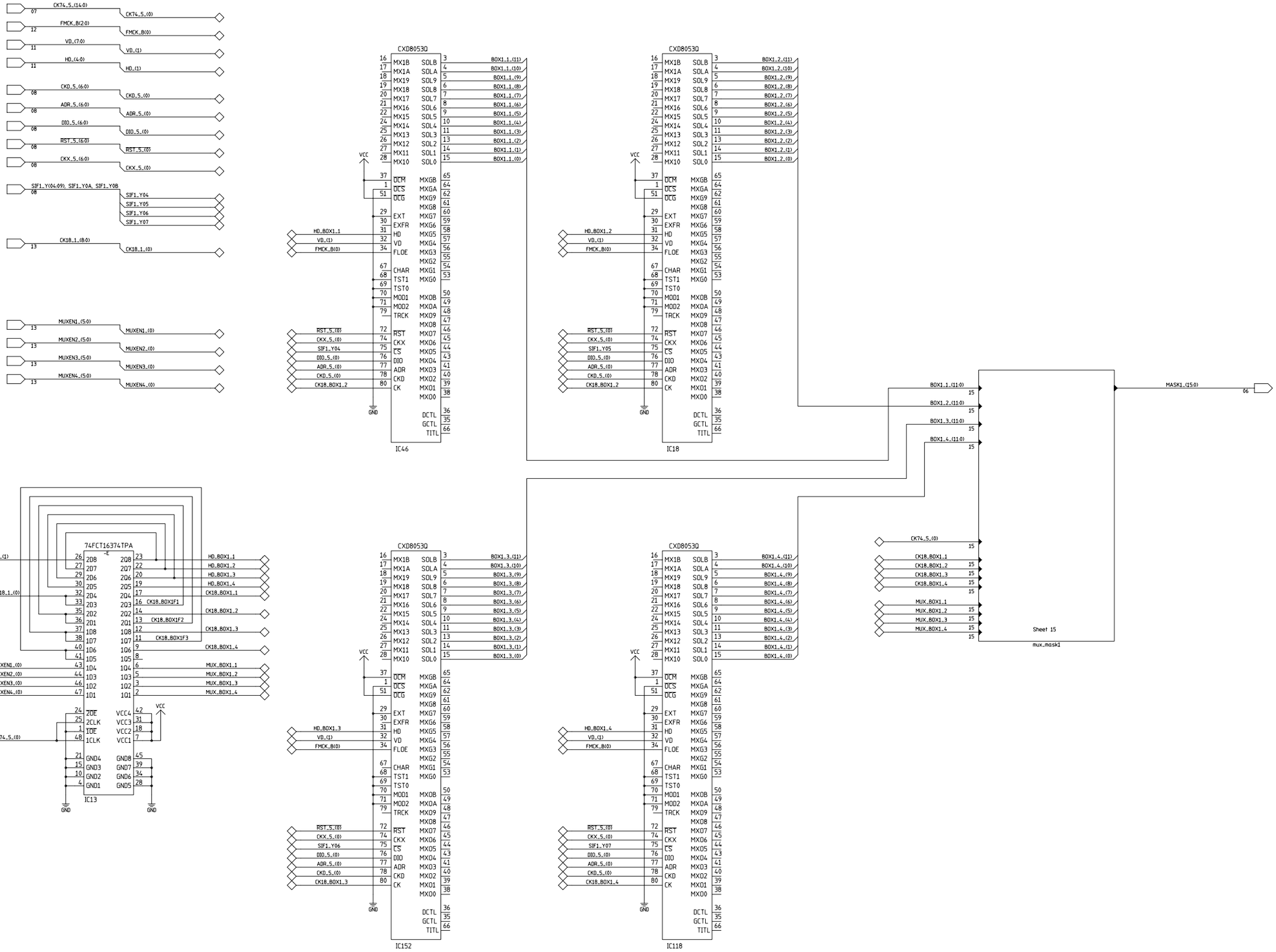
630 630

Wipe Generator Board
WKG-29 (13/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

HDS-7000

WKG-29 (14/50)



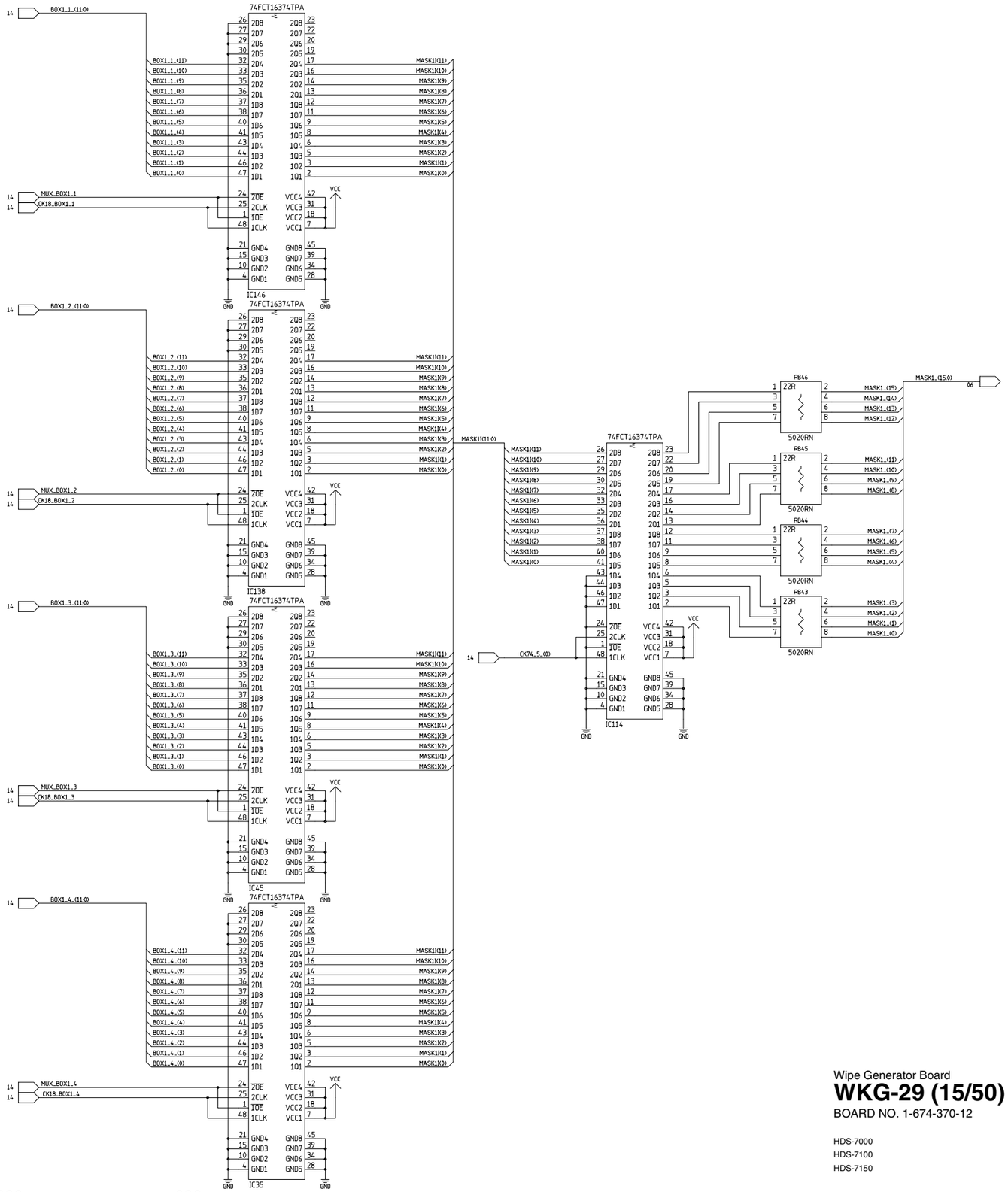
Wipe Generator Board

WKG-29 (14/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (15/50)



632

632

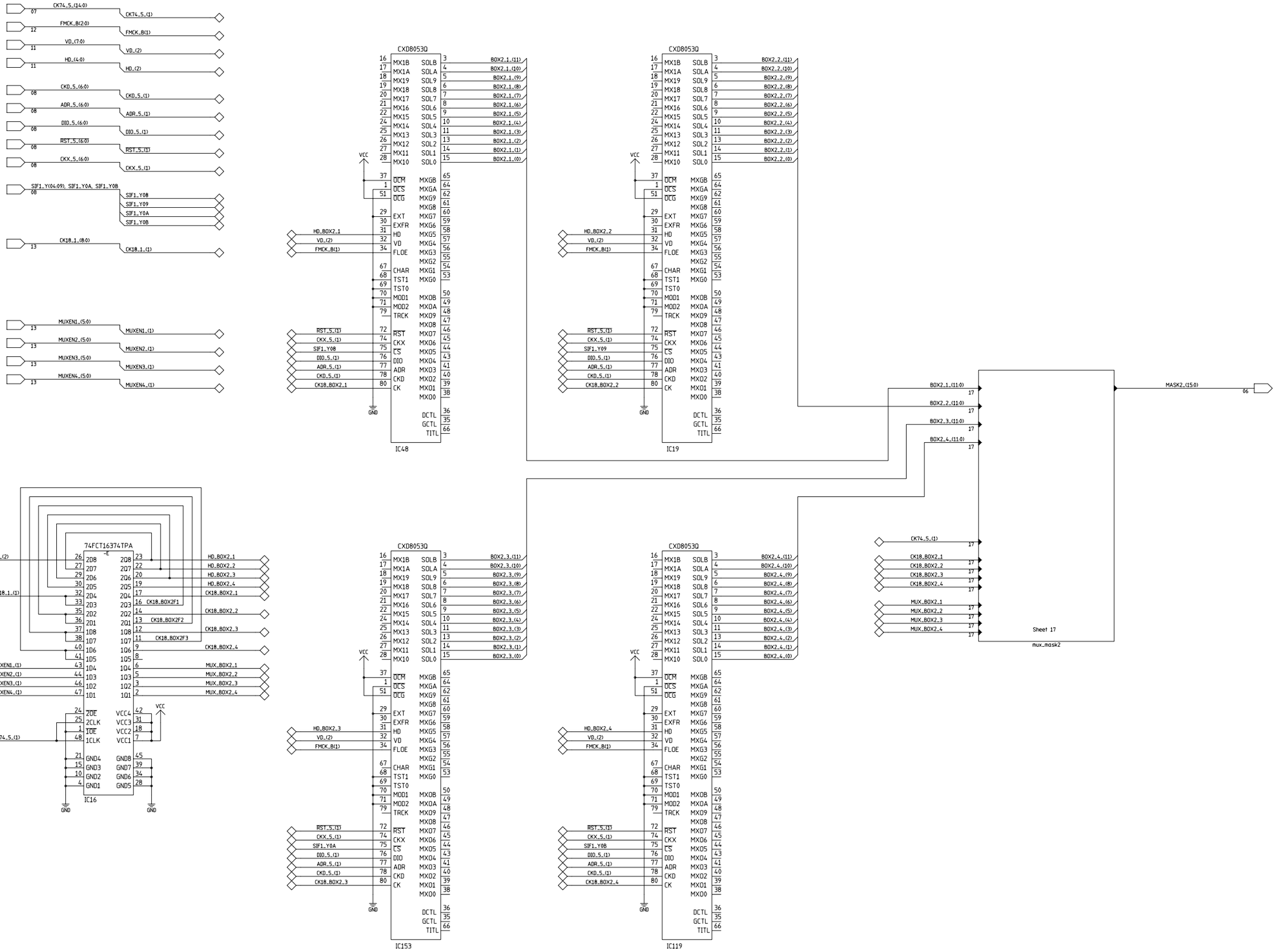
Wipe Generator Board

WKG-29 (15/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

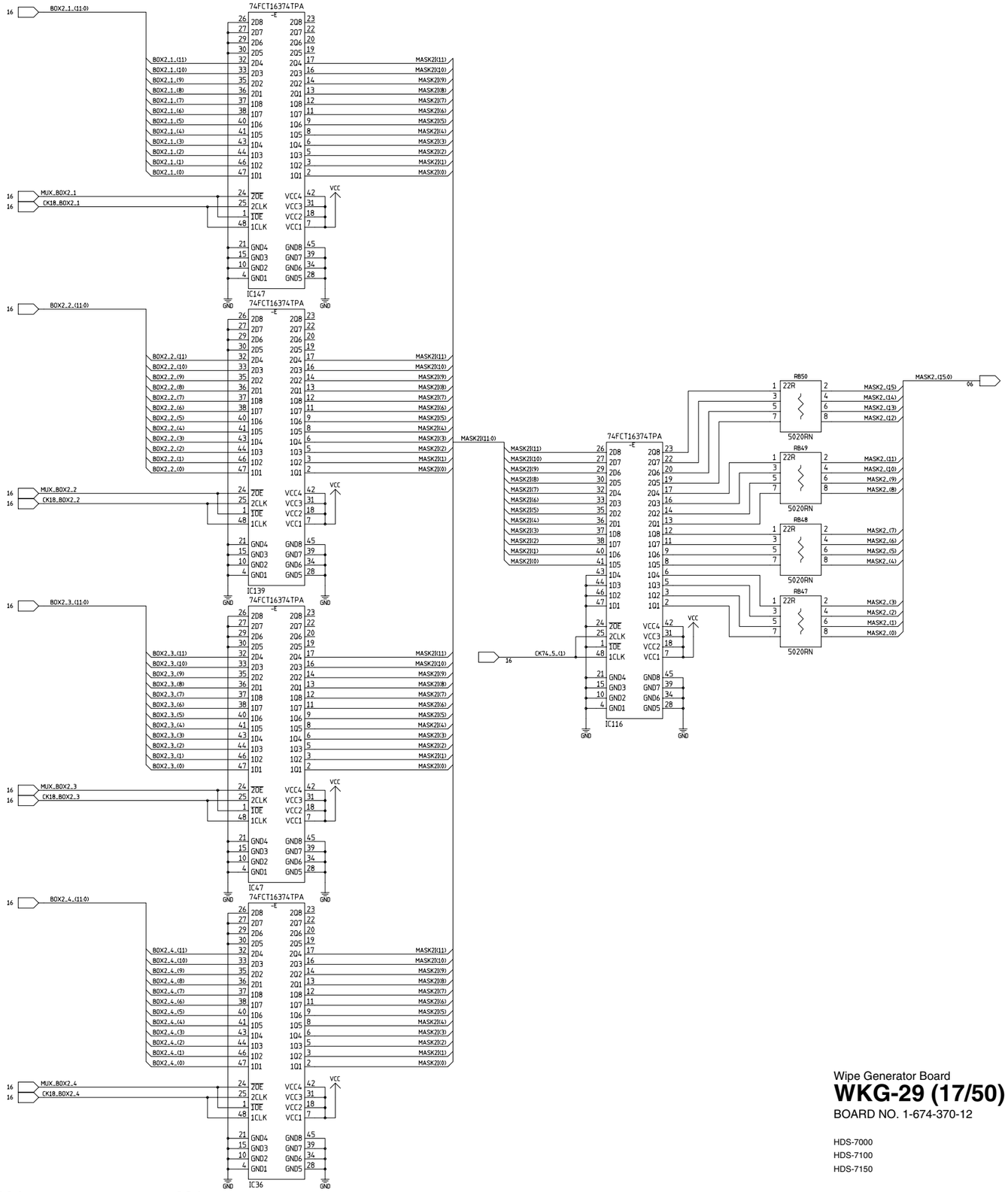
WKG-29 (16/50)



Wipe Generator Board
WKG-29 (16/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (17/50)



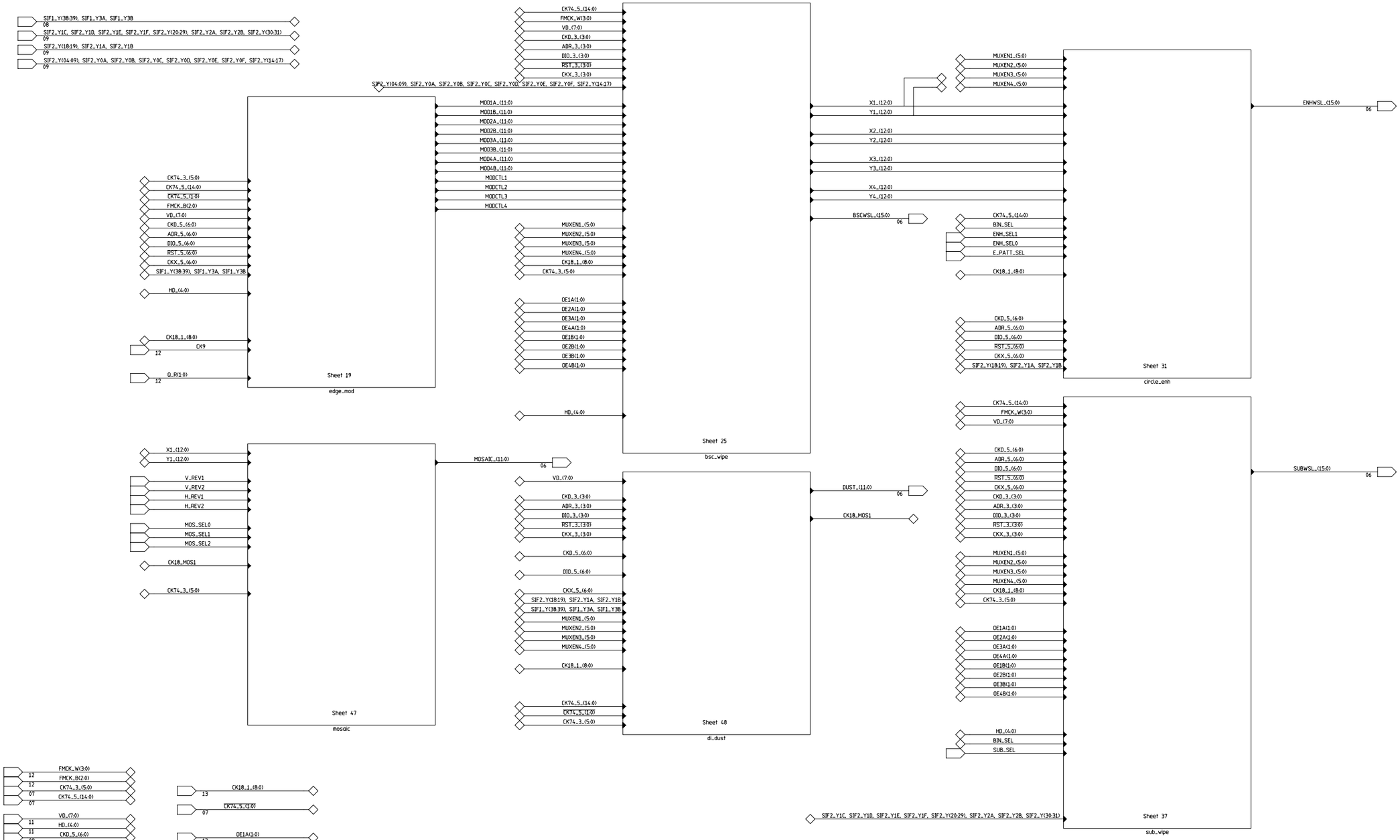
634 634

Wipe Generator Board

WKG-29 (17/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150



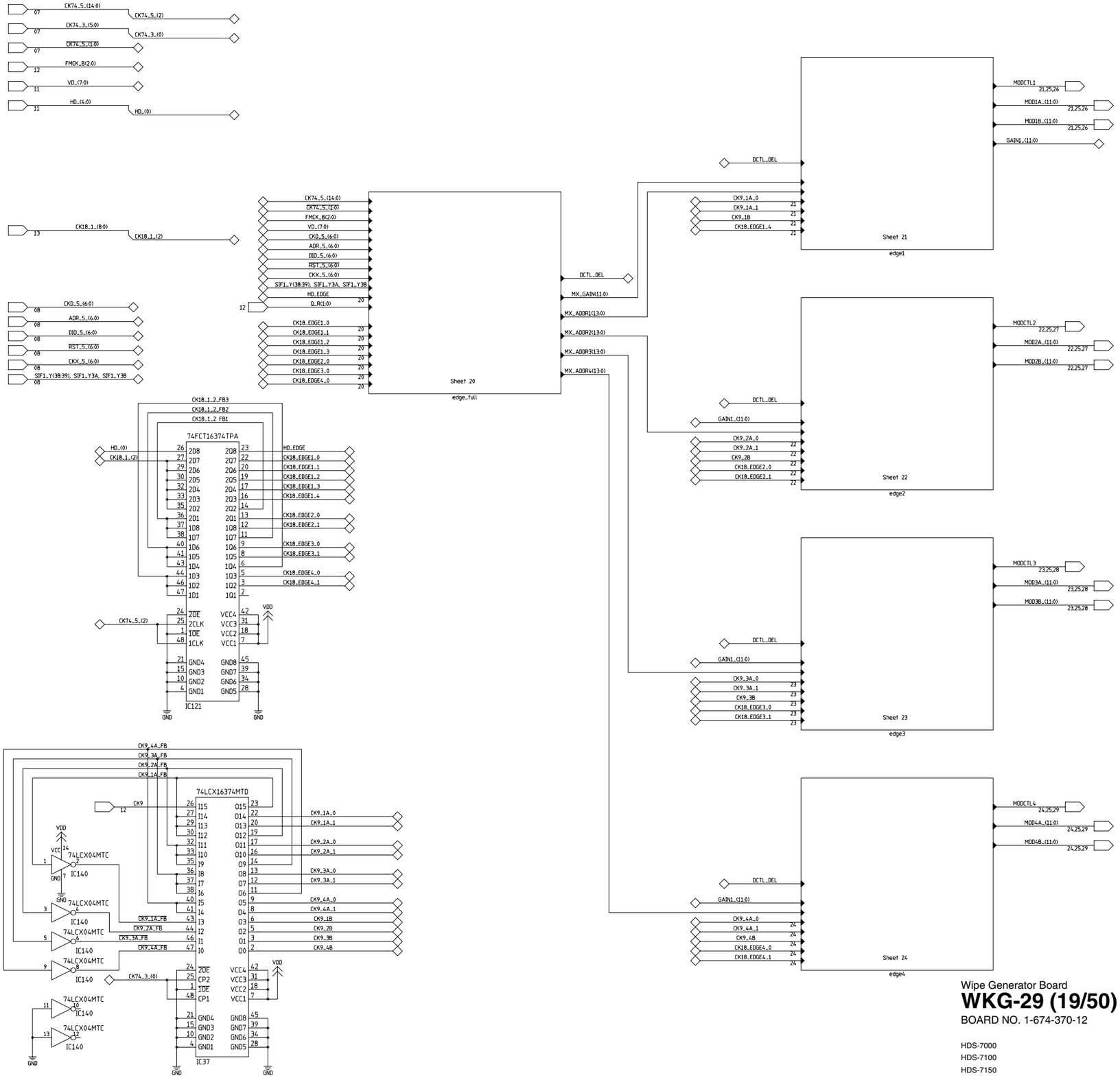
Wipe Generator Board

WKG-29 (18/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (19/50)



636 636

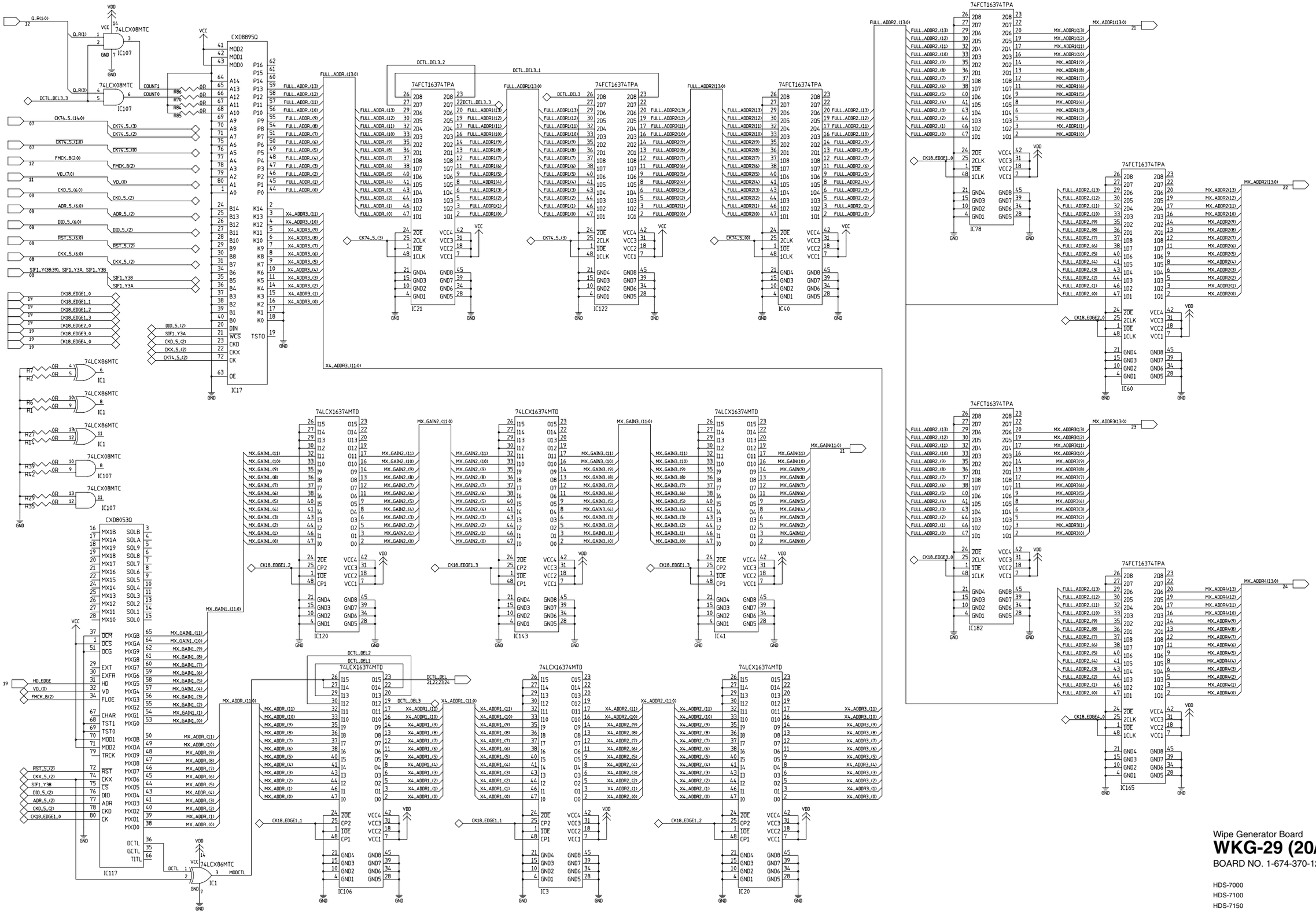
Wipe Generator Board

WKG-29 (19/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

HDS-7000



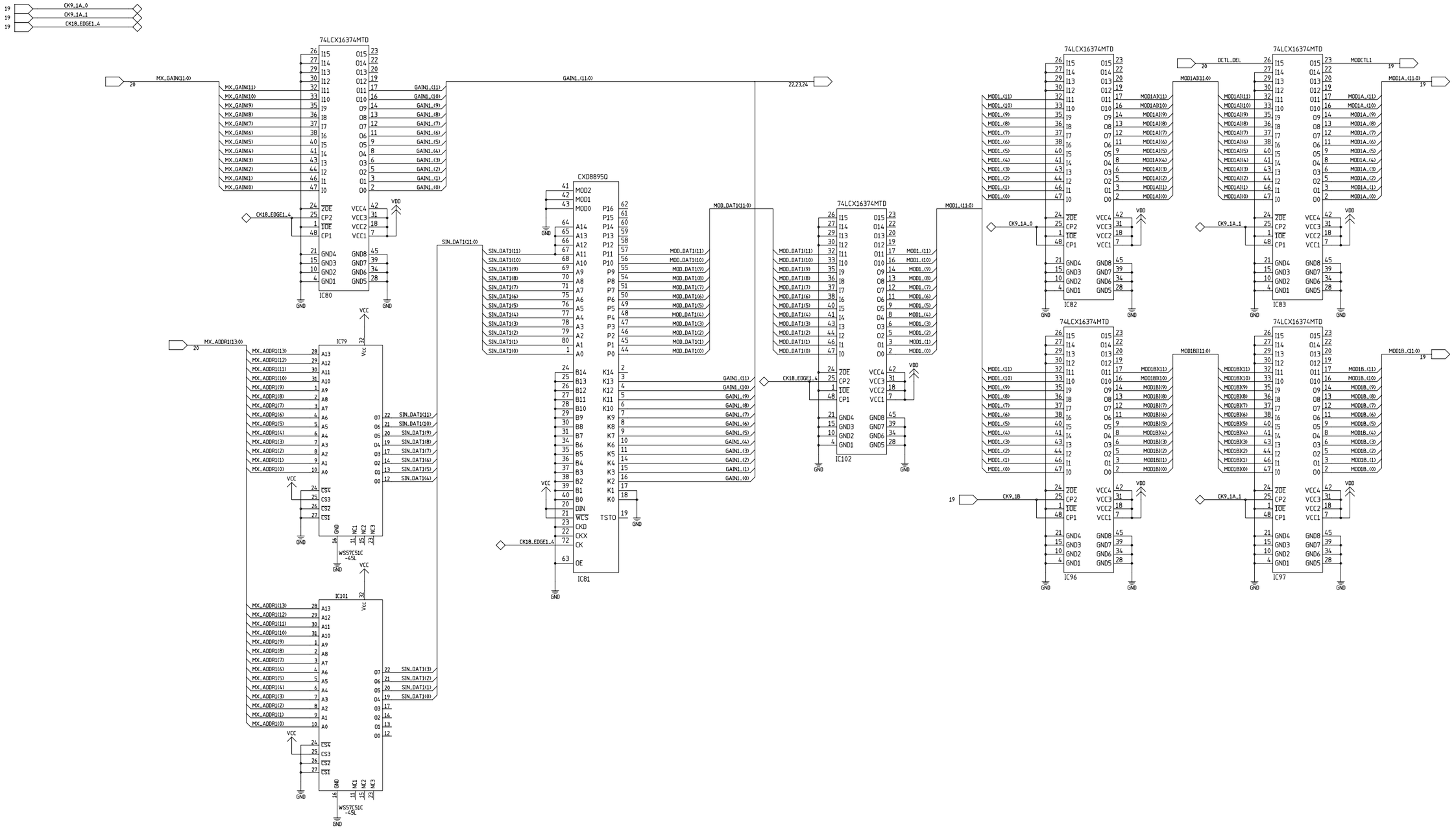
Wipe Generator Board

WKG-29 (20/50)

BOARD NO. 1-674-370-12

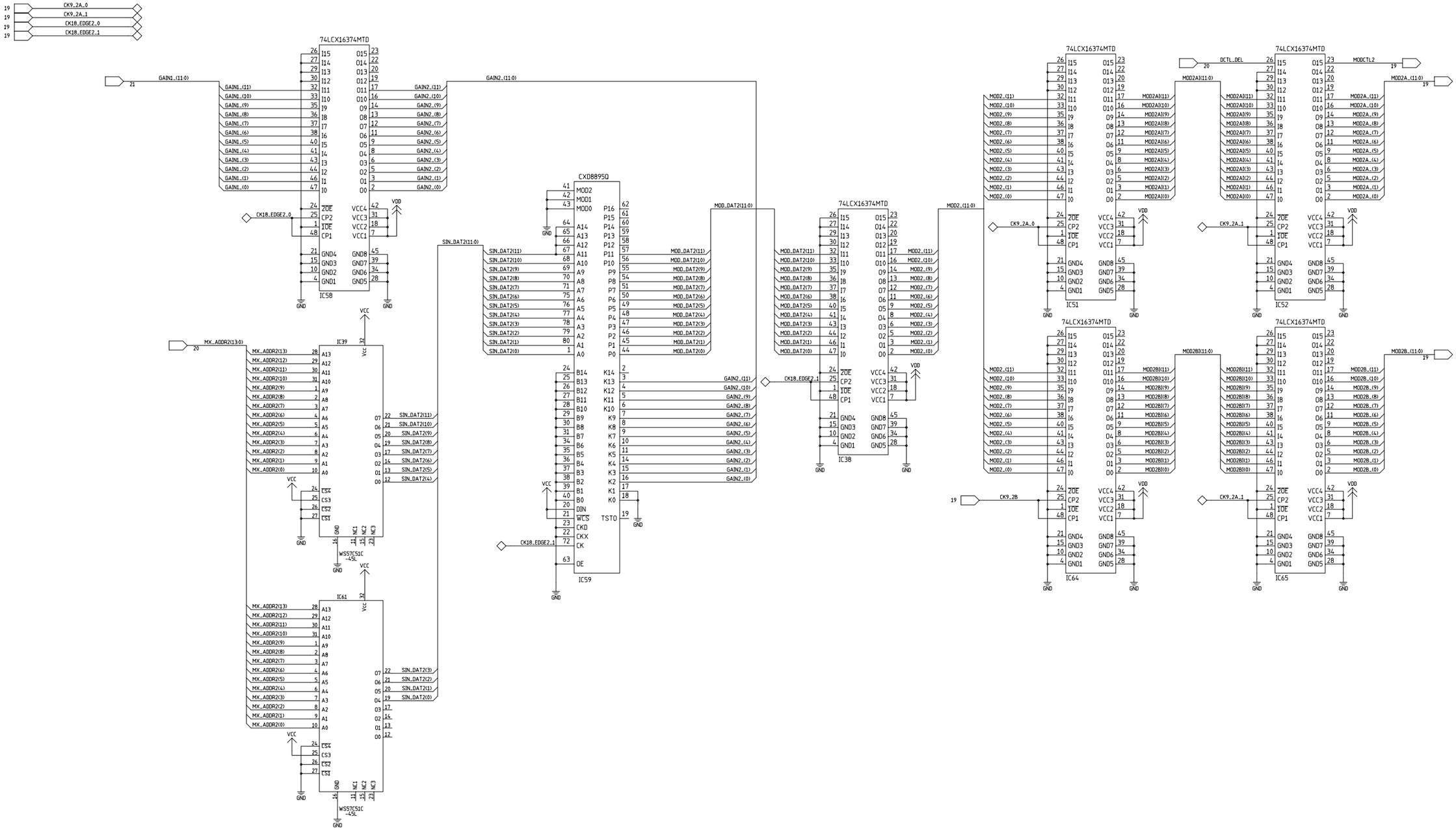
HDS-7000
HDS-7100
HDS-7150

WKG-29 (21/50)



Wipe Generator Board
WKG-29 (21/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150



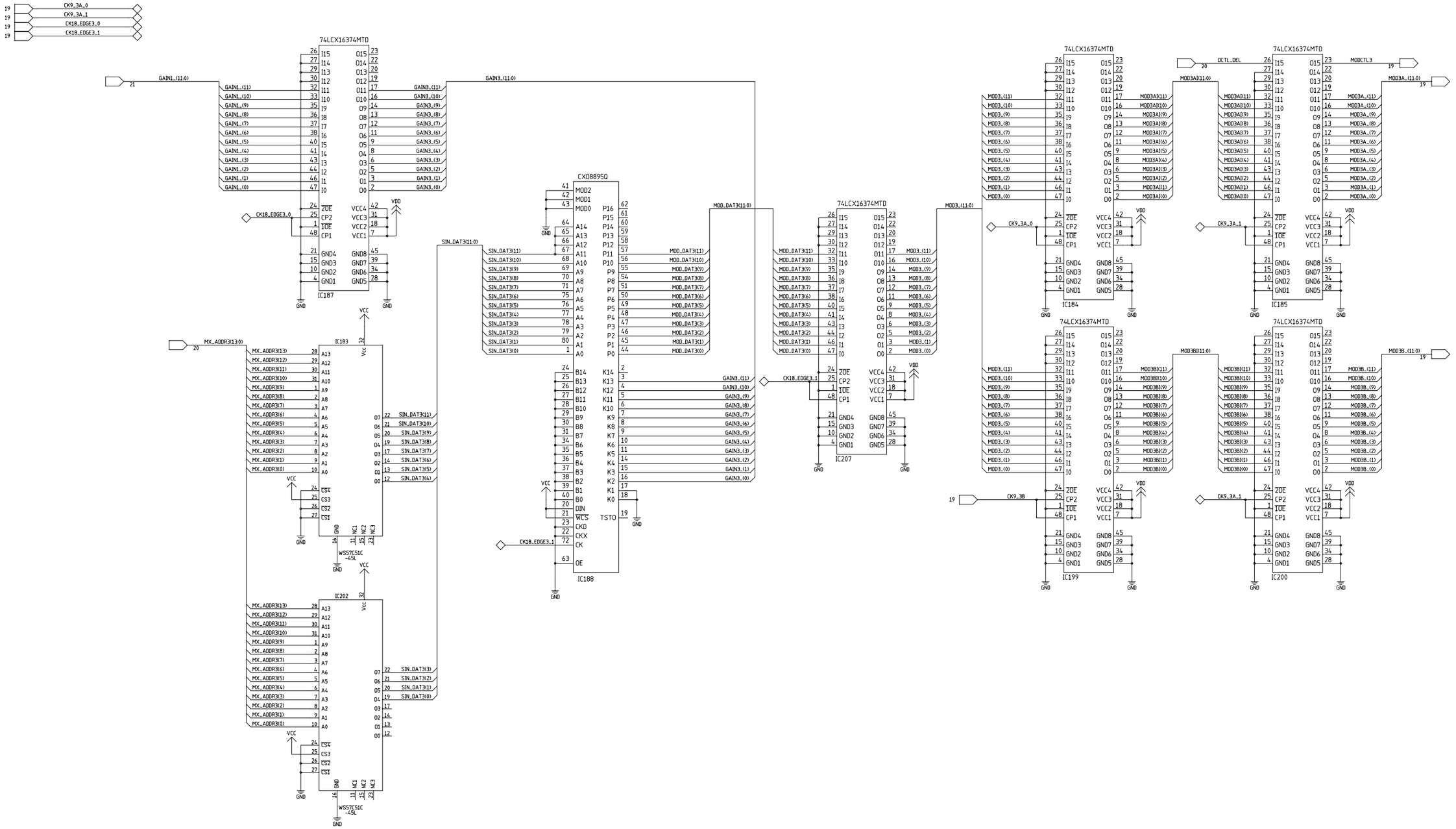
Wipe Generator Board

WKG-29 (22/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (23/50)



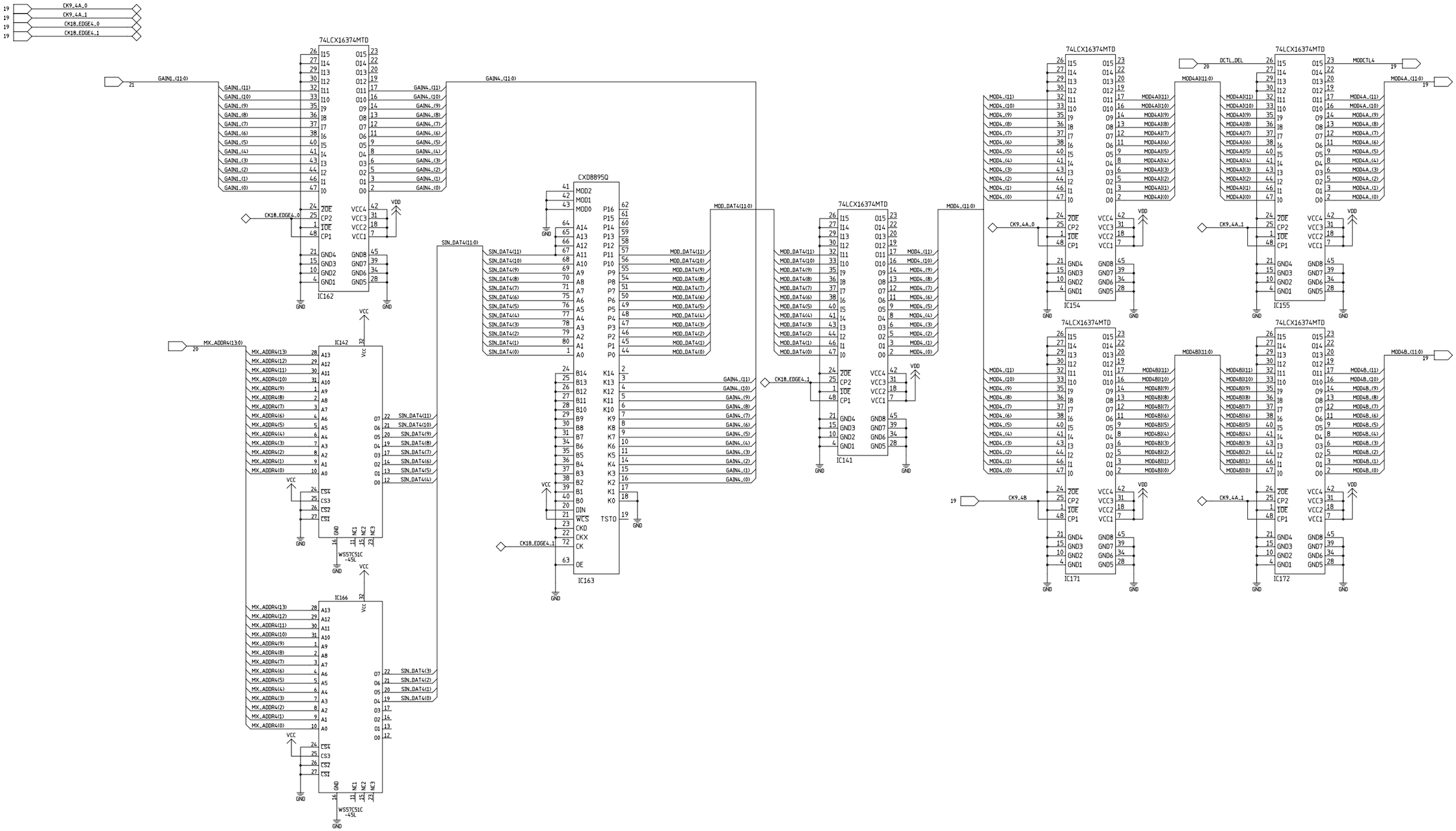
Wipe Generator Board
WKG-29 (23/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

640 640

HDS-7000

A B C D E F G H



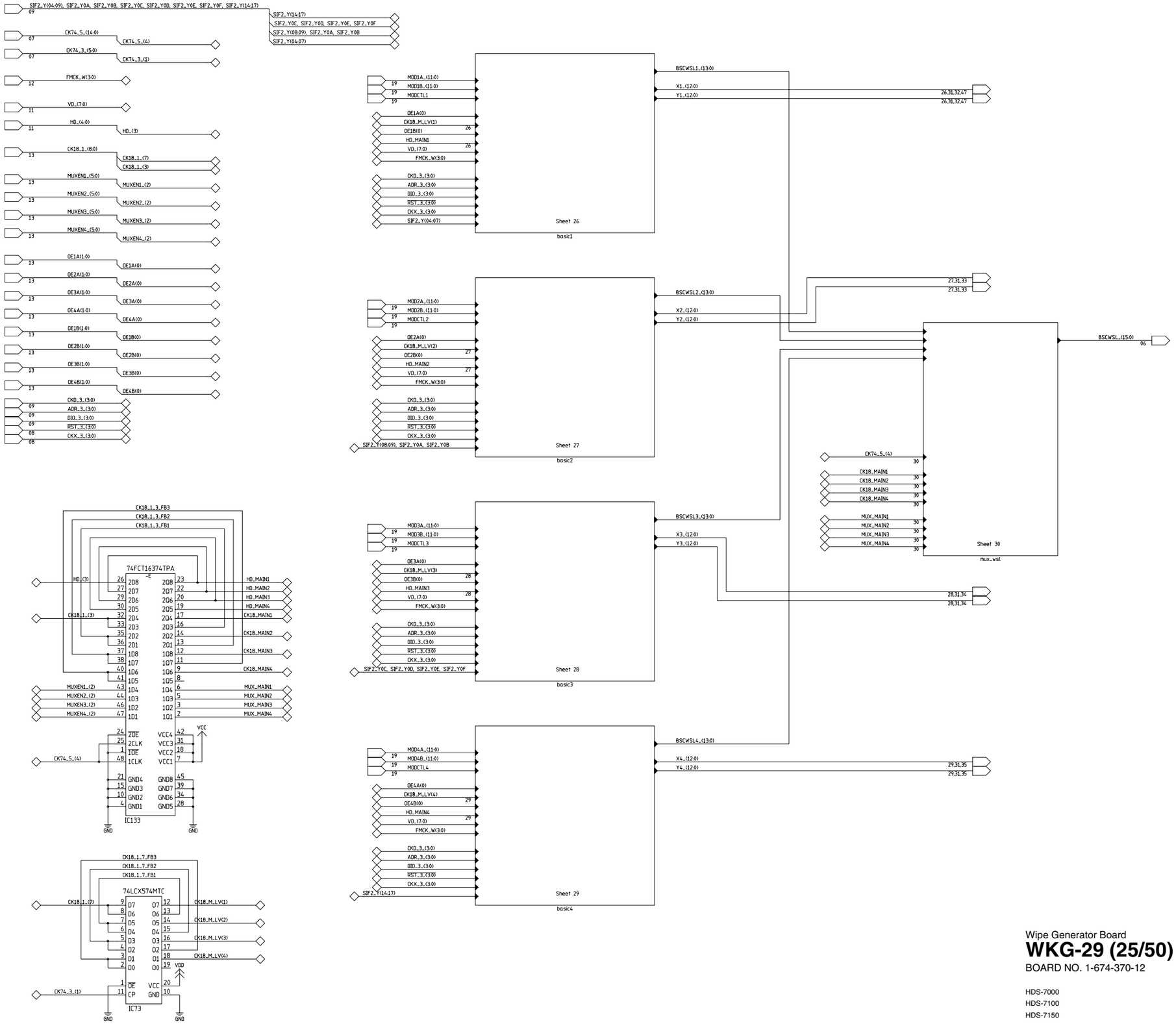
Wipe Generator Board

WKG-29 (24/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (25/50)

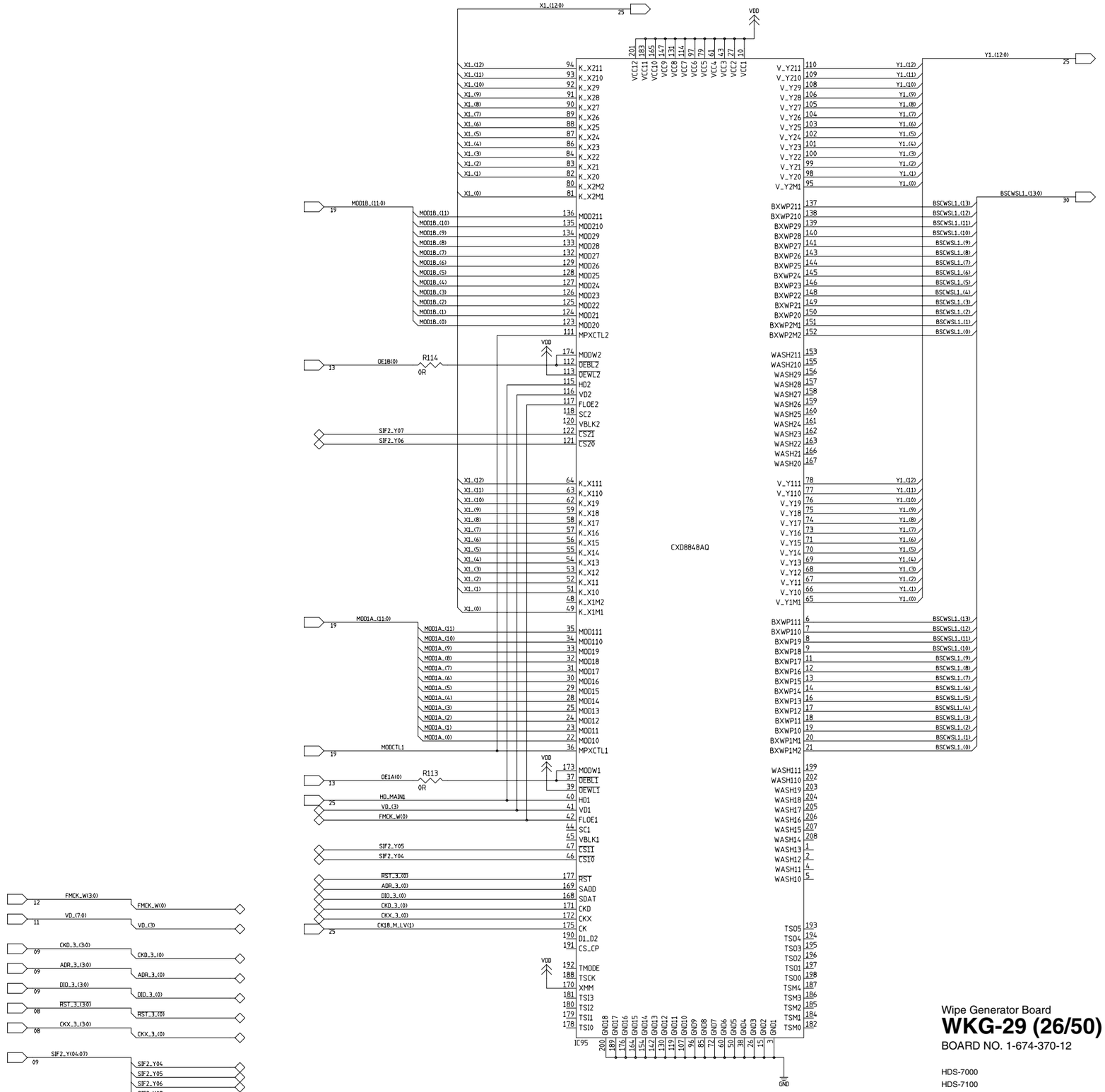


642 642

Wipe Generator Board
WKG-29 (25/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (26/50)



Wipe Generator Board

WKG-29 (26/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

HDS-7000

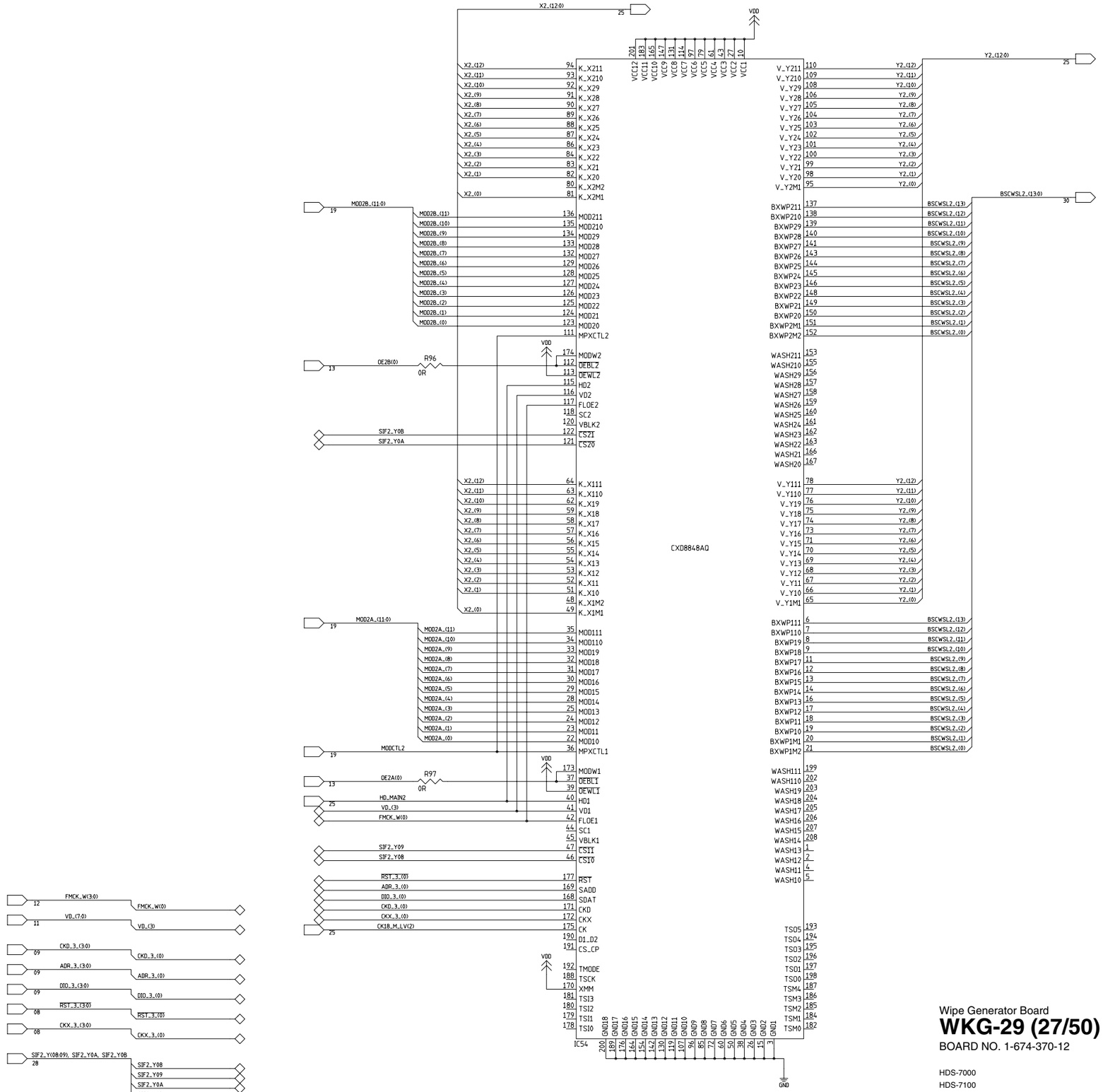
643

643

A B C D E F G H

1 2 3 4 5

WKG-29 (27/50)



644

644

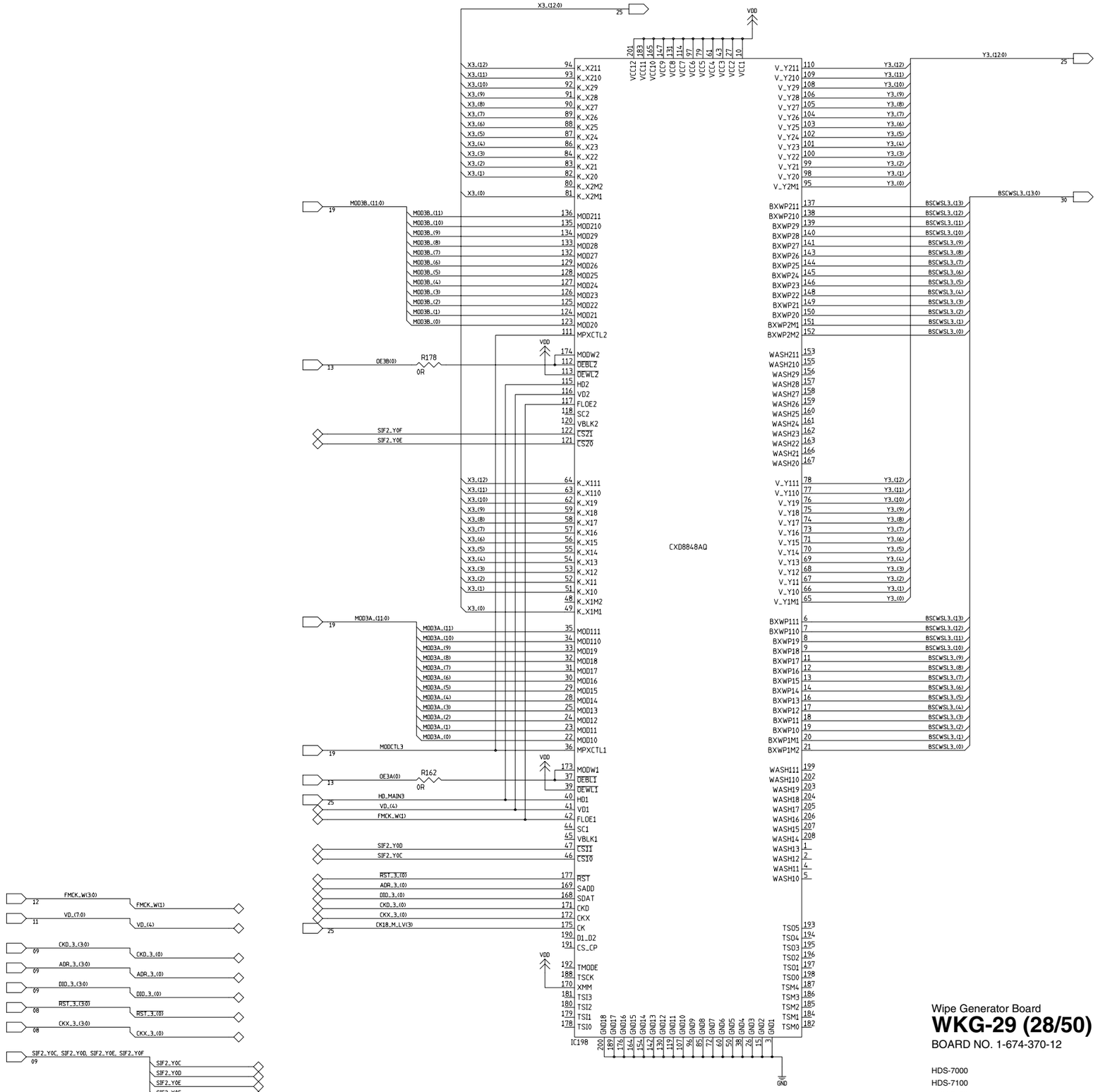
Wipe Generator Board

WKG-29 (27/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (28/50)



Wipe Generator Board

WKG-29 (28/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

HDS-7000

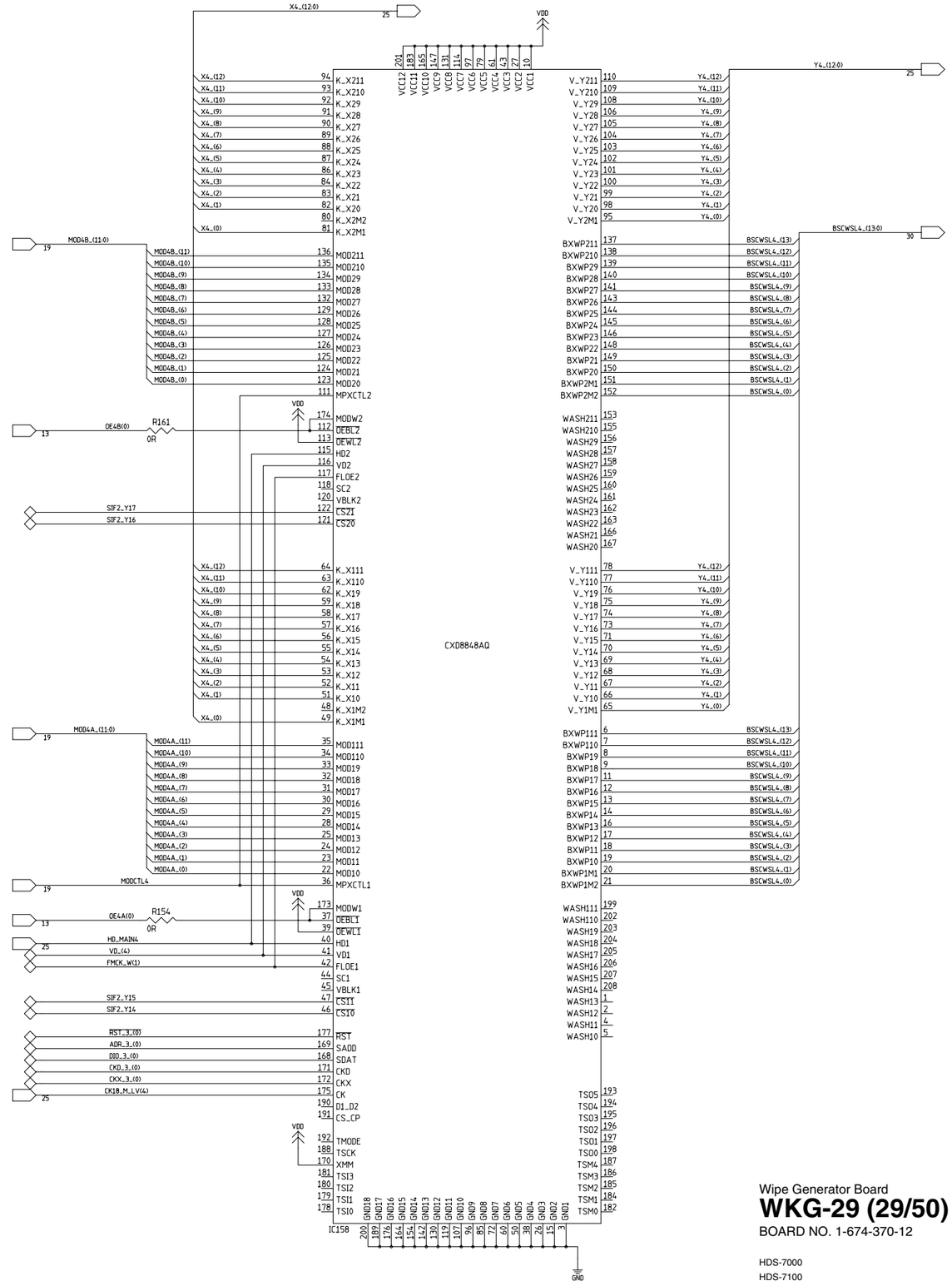
645

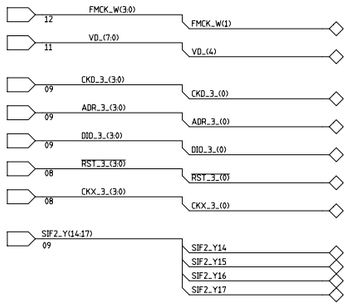
645

1 2 3 4 5

A B C D E F G H

WKG-29 (29/50)



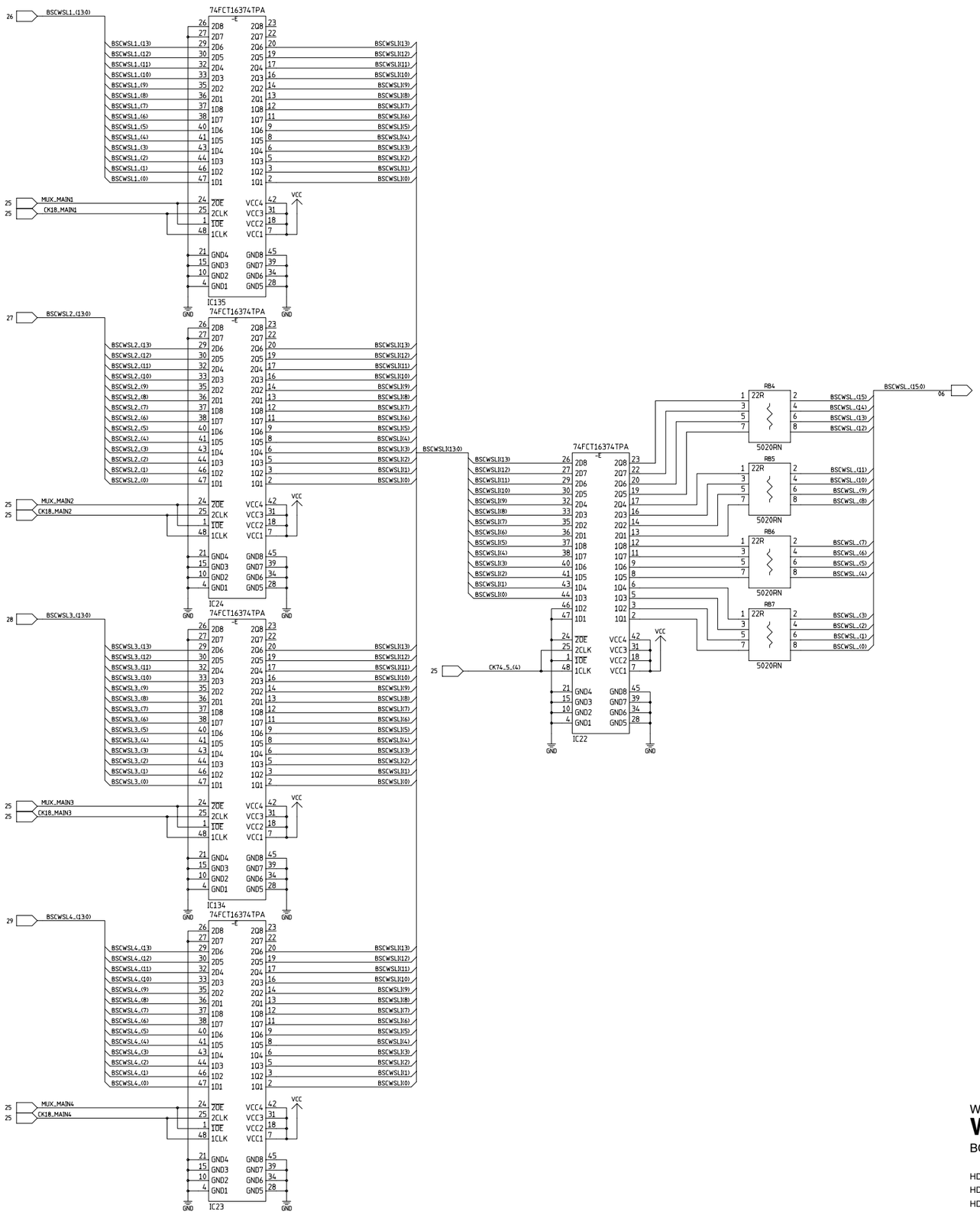


Wipe Generator Board
WKG-29 (29/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

646

WKG-29 (30/50)



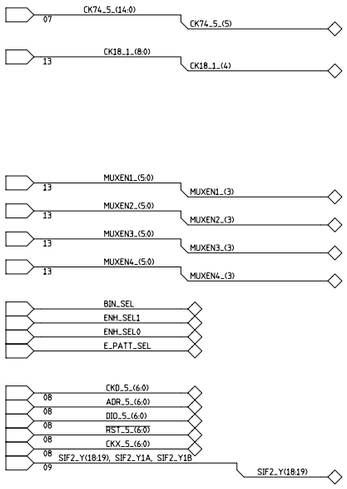
Wipe Generator Board

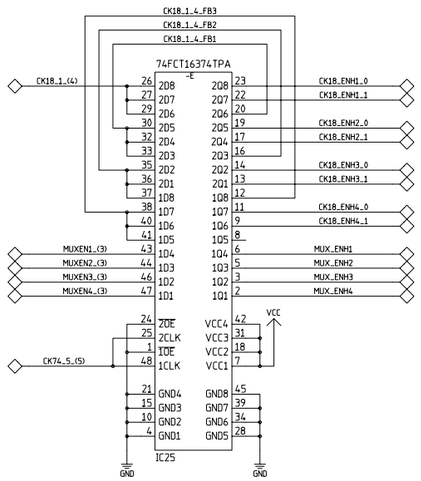
WKG-29 (30/50)

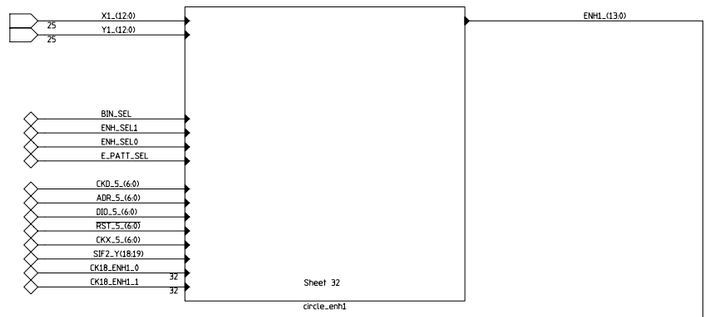
BOARD NO. 1-674-370-12

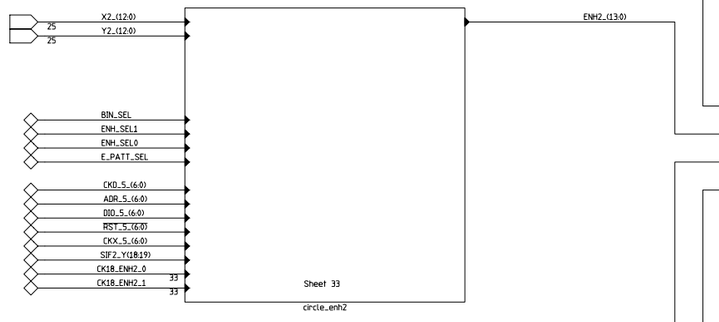
HDS-7000
HDS-7100
HDS-7150

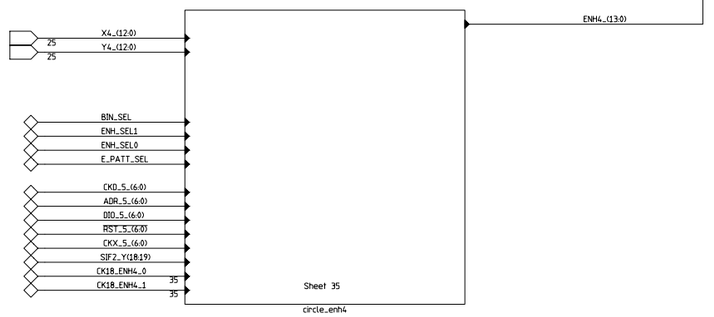
WKG-29 (31/50)

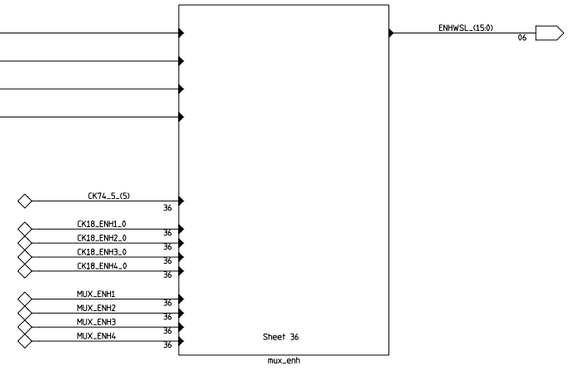












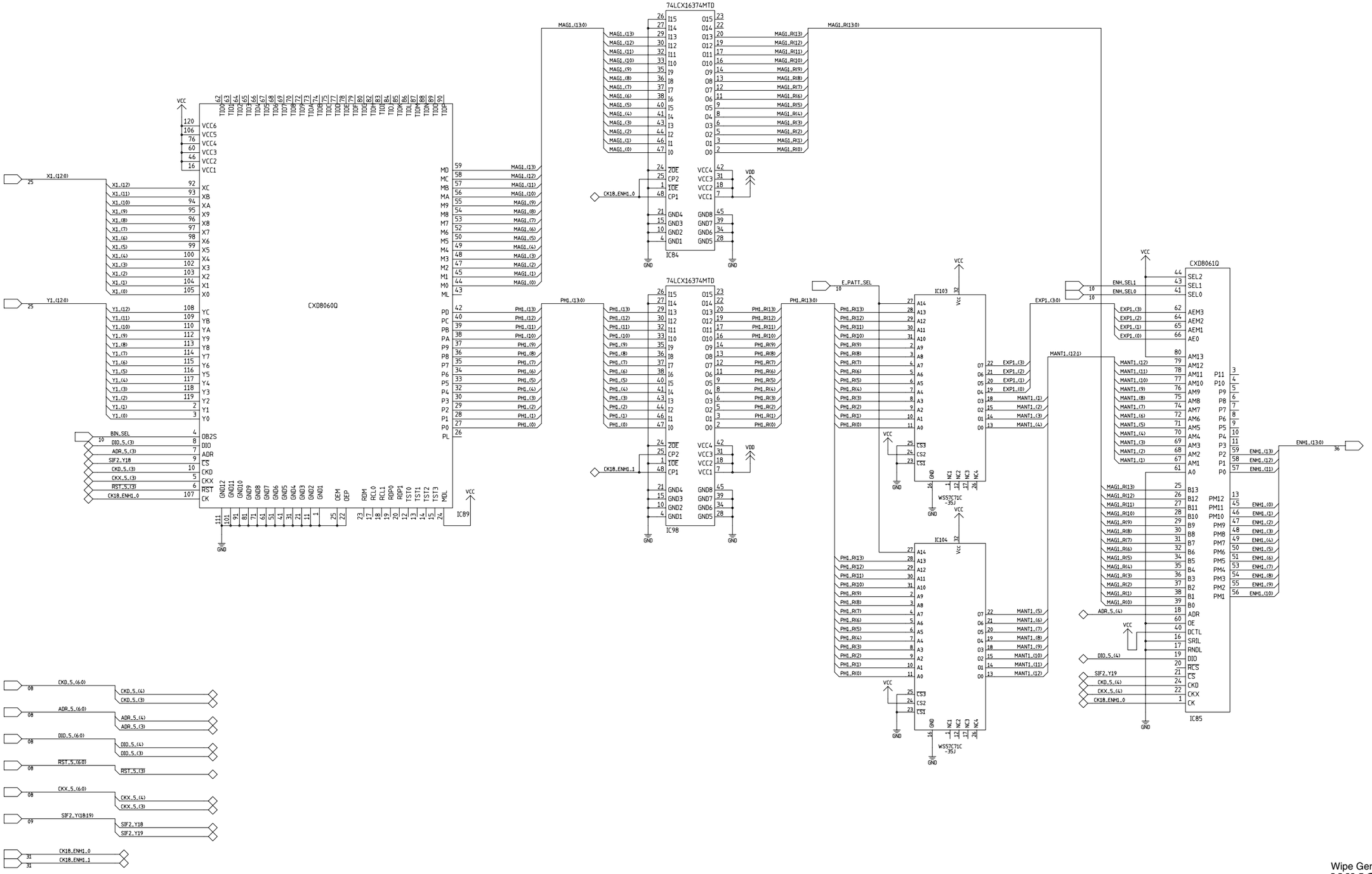
Wipe Generator Board

WKG-29 (31/50)

BOARD NO. 1-674-370-12

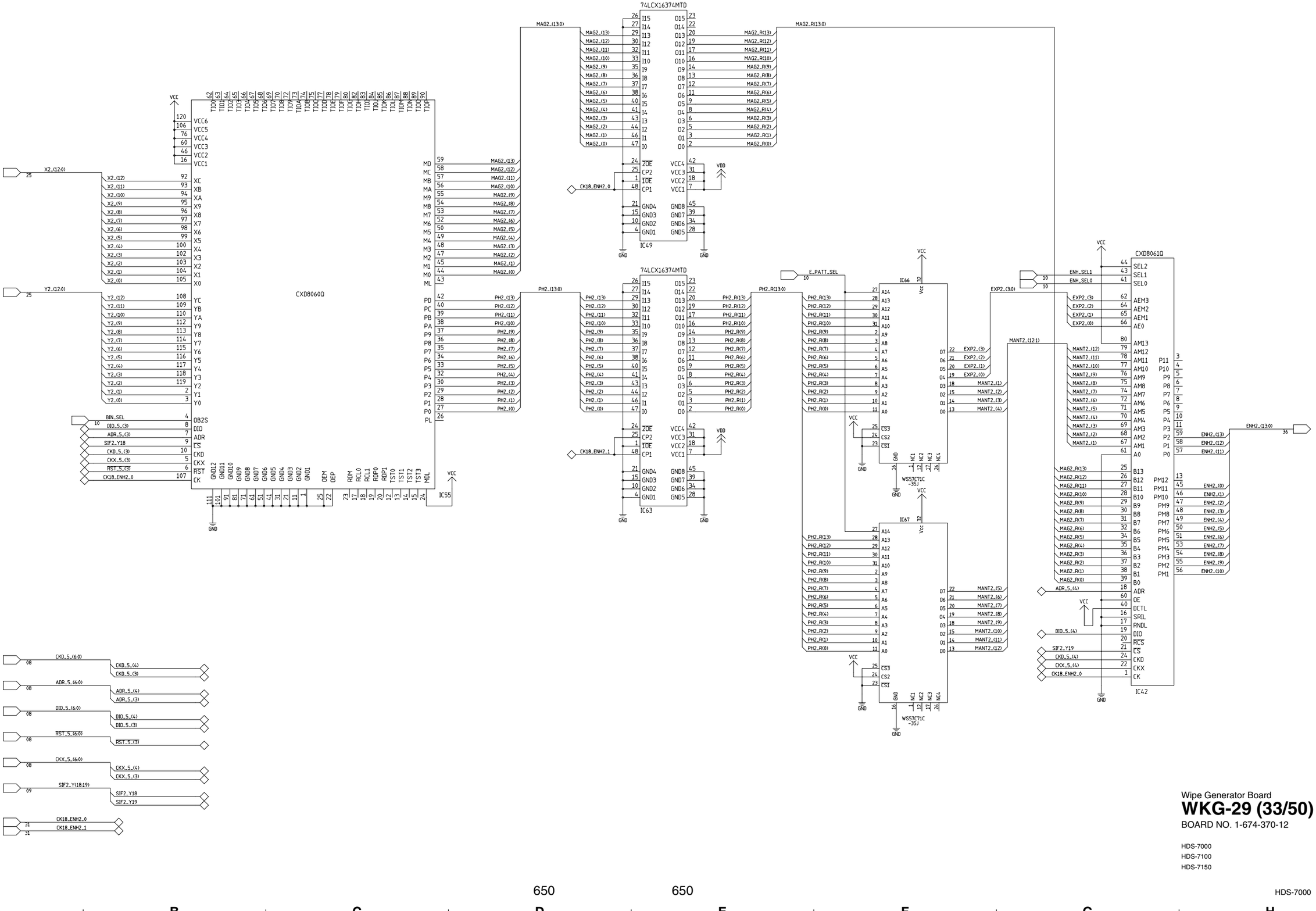
HDS-7000
HDS-7100
HDS-7150

648



Wipe Generator Board
WKG-29 (32/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150



Wipe Generator Board

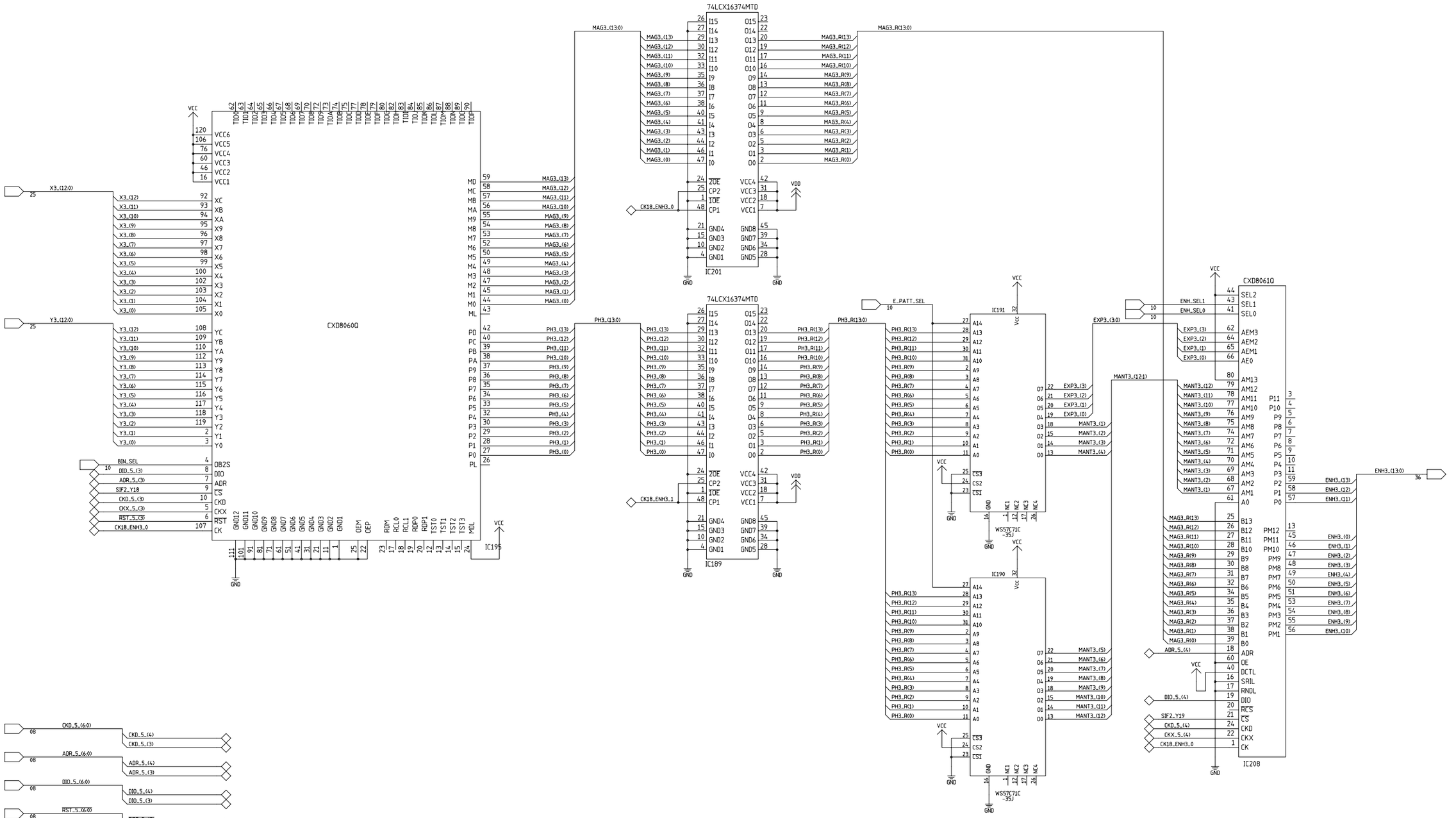
WKG-29 (33/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

HDS-7000

650 650

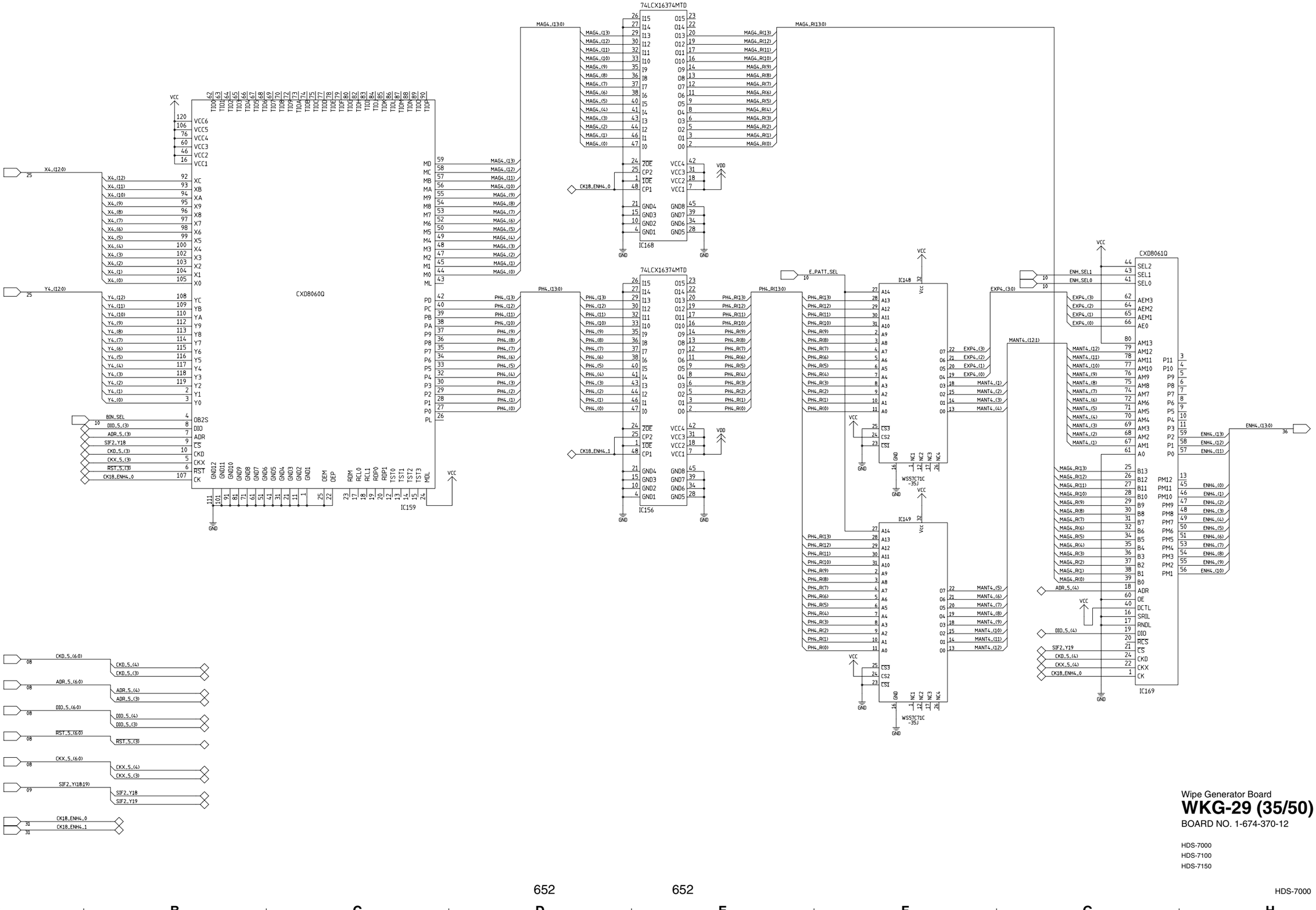


Wipe Generator Board

WKG-29 (34/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150



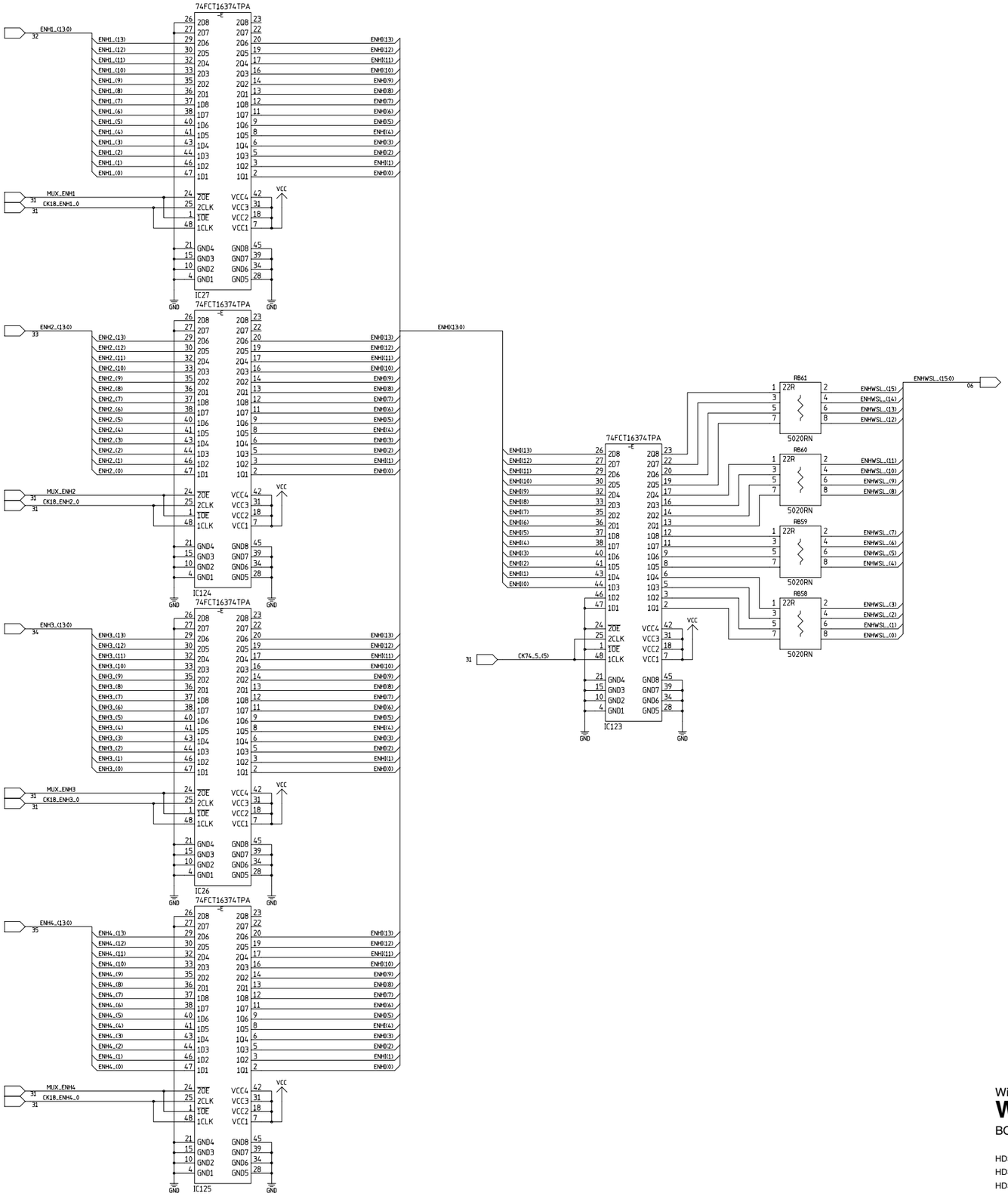
Wipe Generator Board

WKG-29 (35/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

HDS-7000



653

653

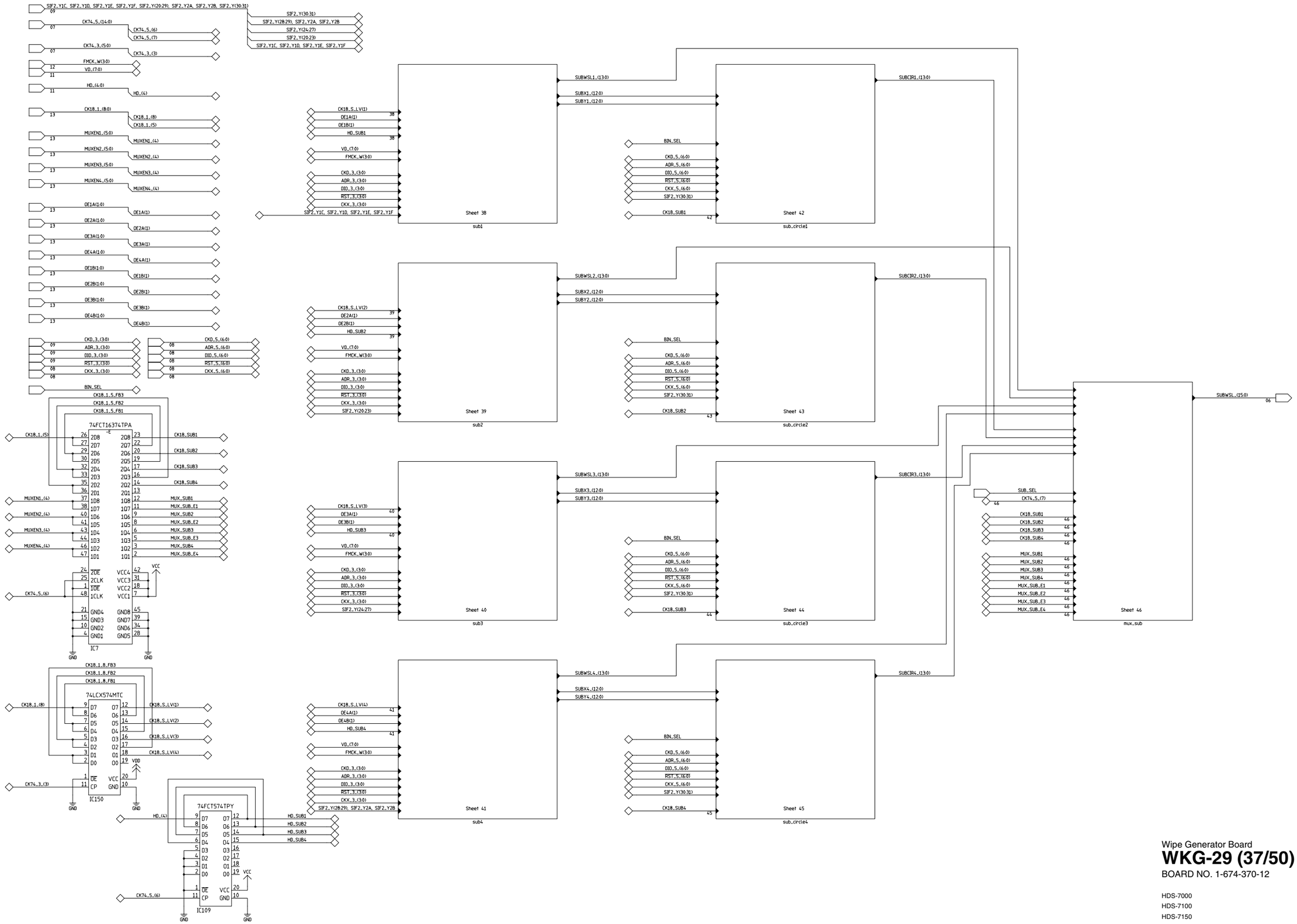
Wipe Generator Board

WKG-29 (36/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

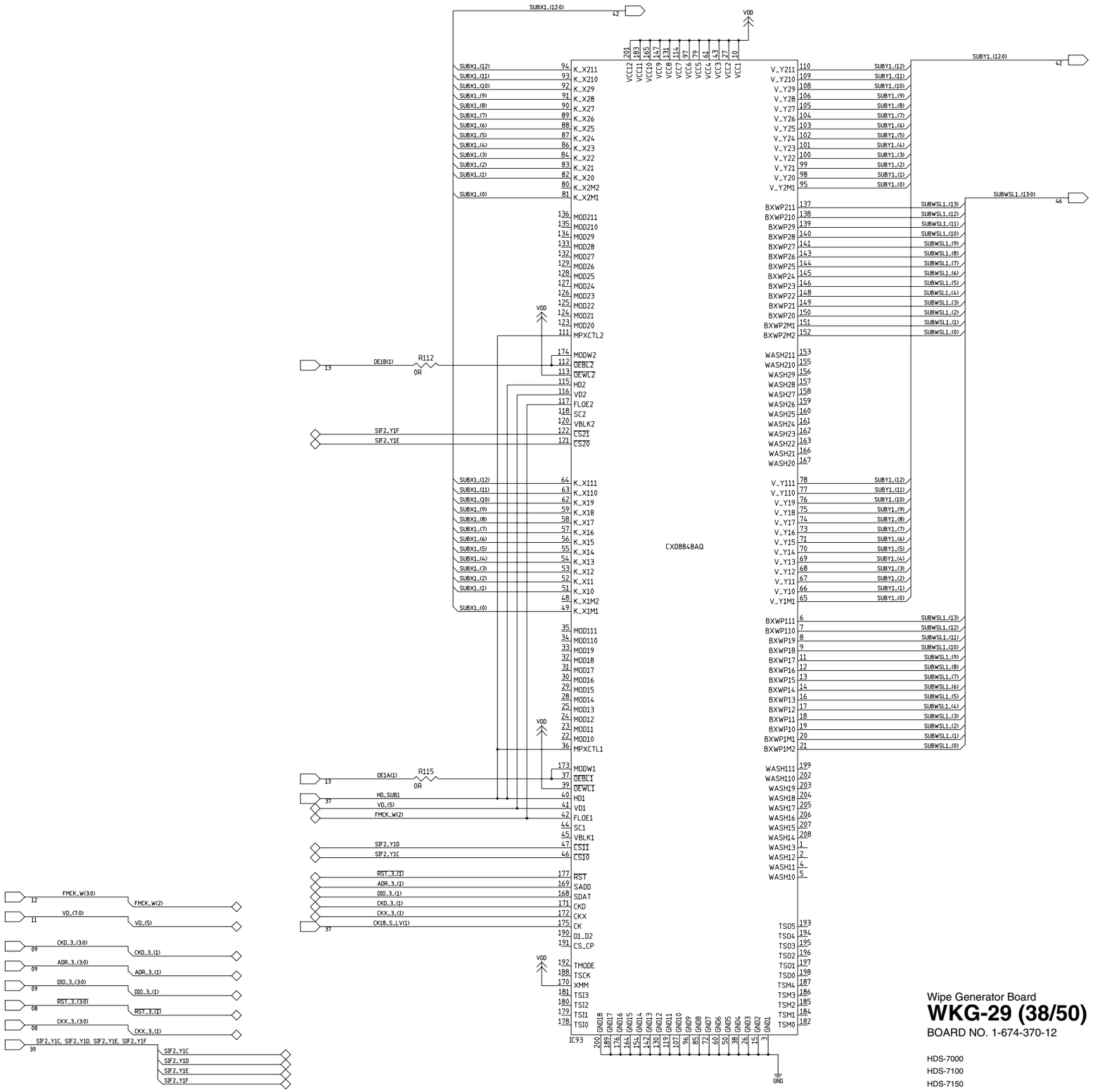
WKG-29 (37/50)



Wipe Generator Board
WKG-29 (37/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (38/50)



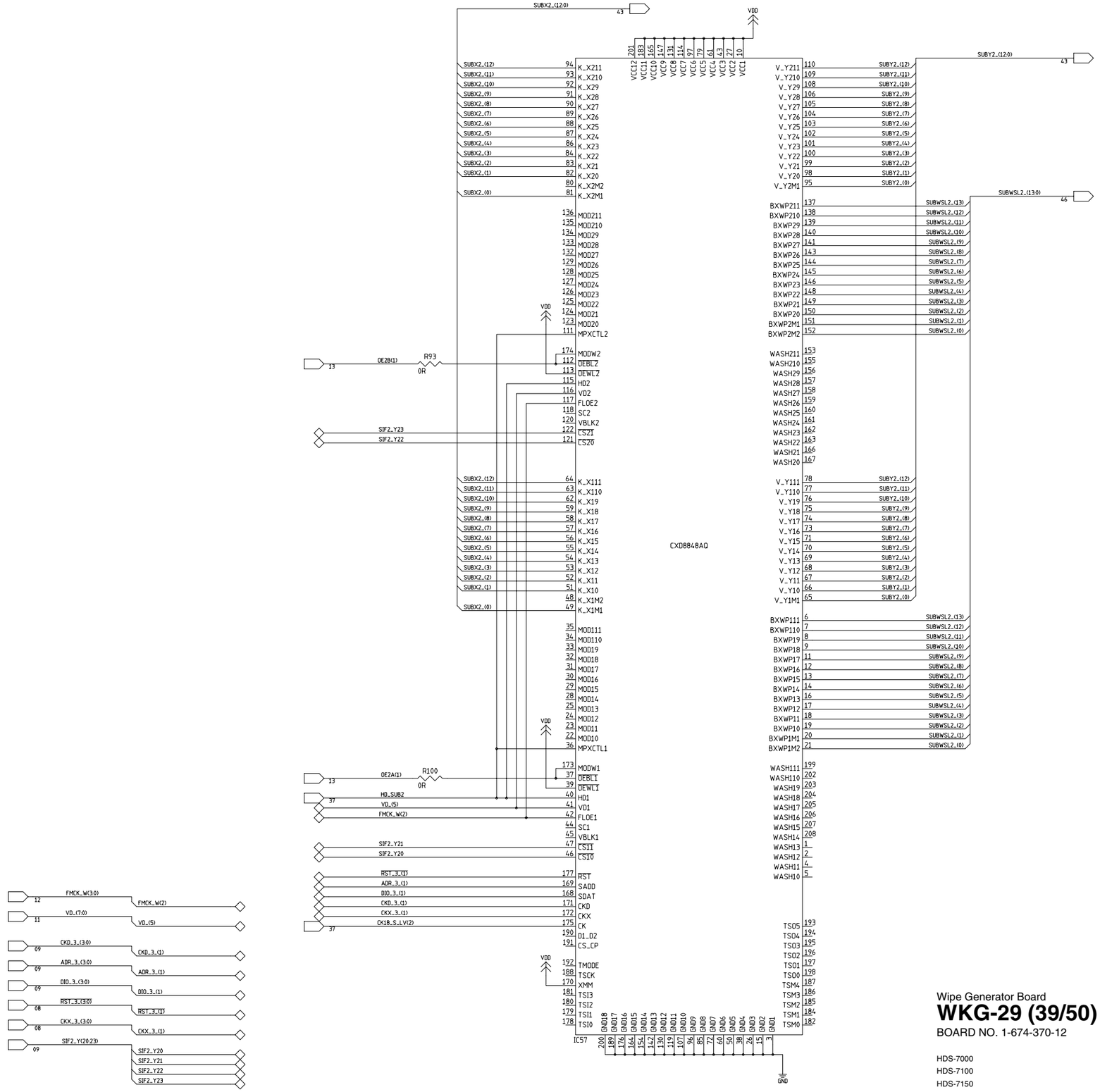
Wipe Generator Board

WKG-29 (38/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (39/50)



656

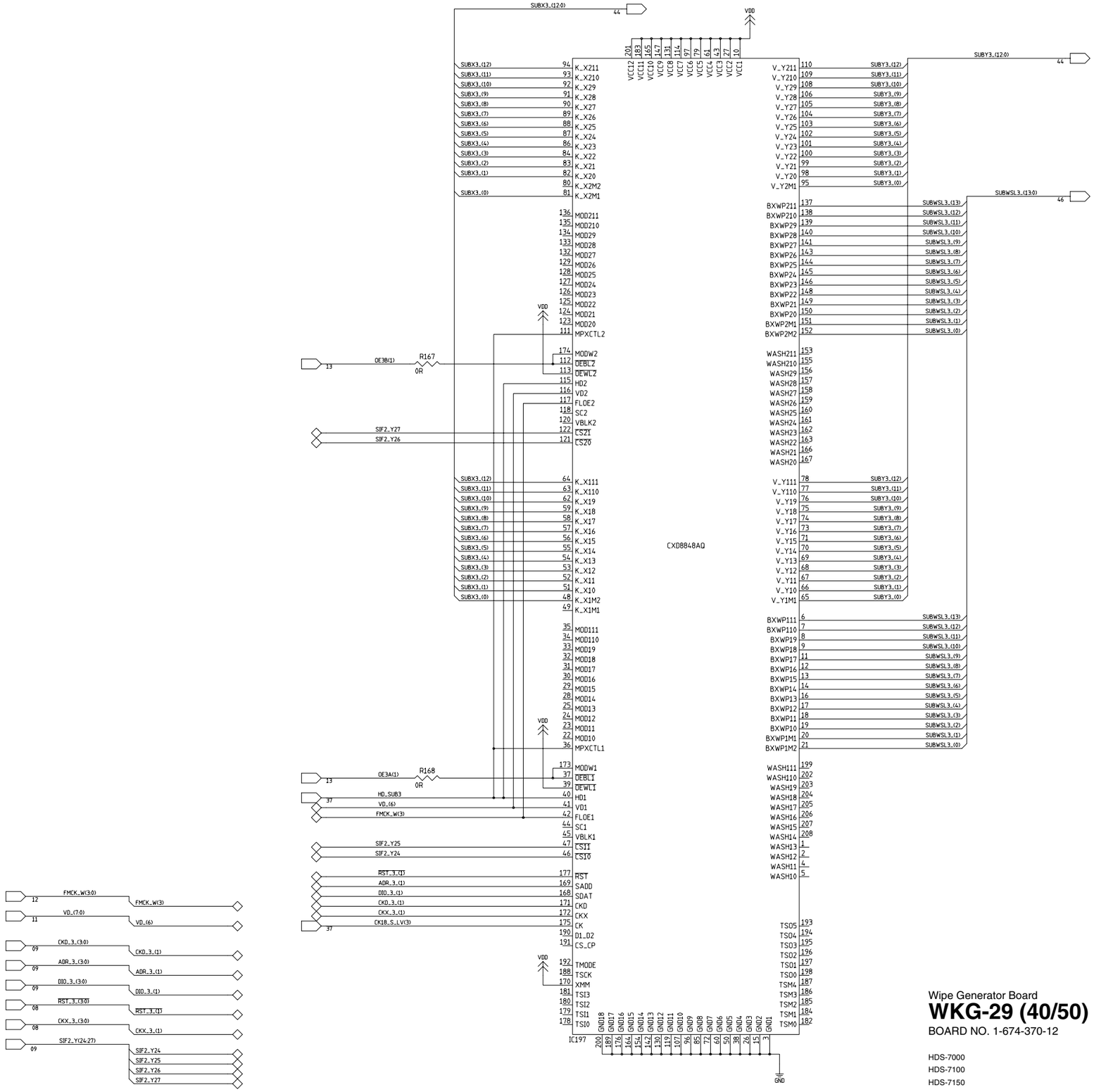
656

Wipe Generator Board

WKG-29 (39/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150



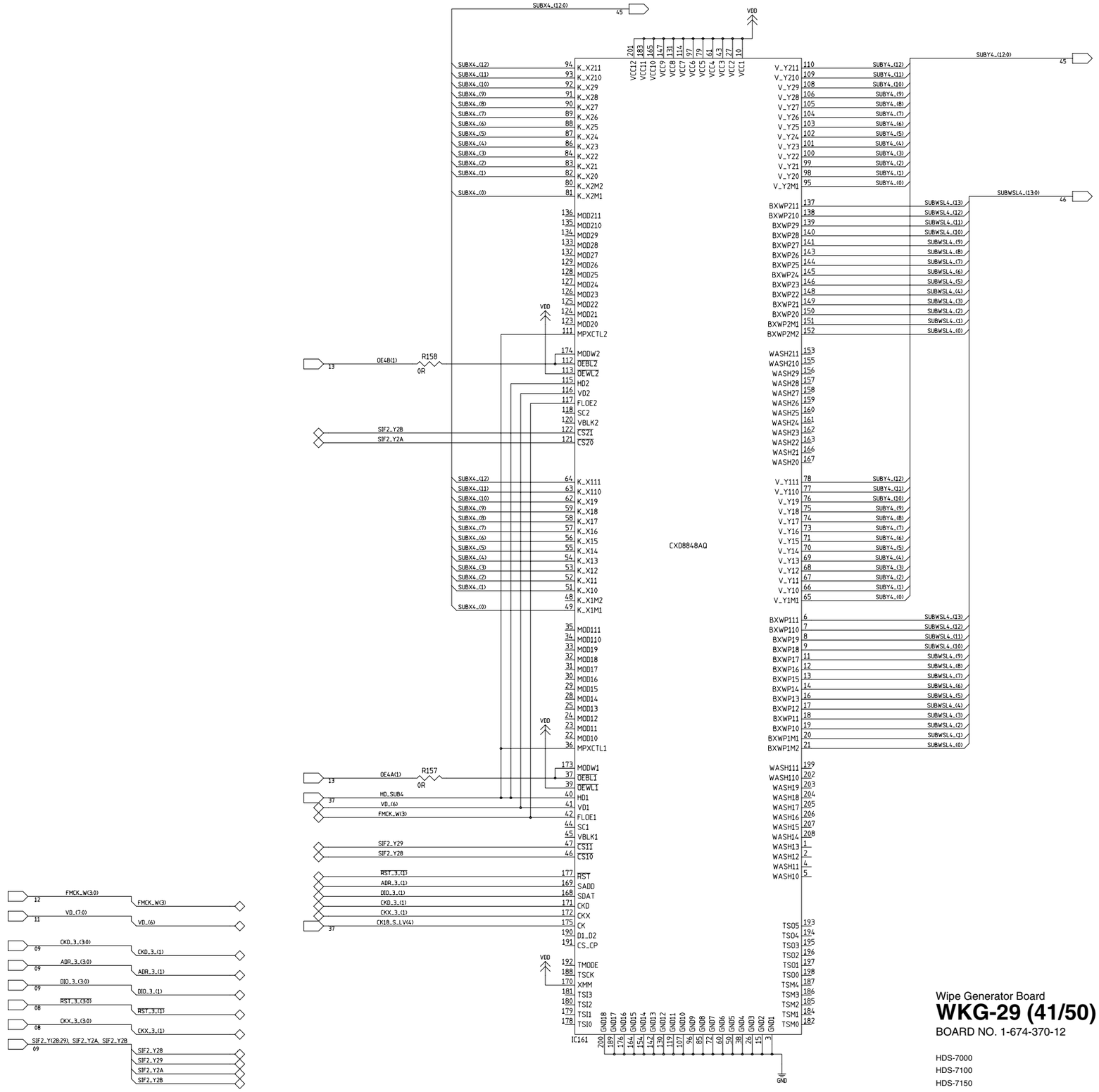
Wipe Generator Board

WKG-29 (40/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

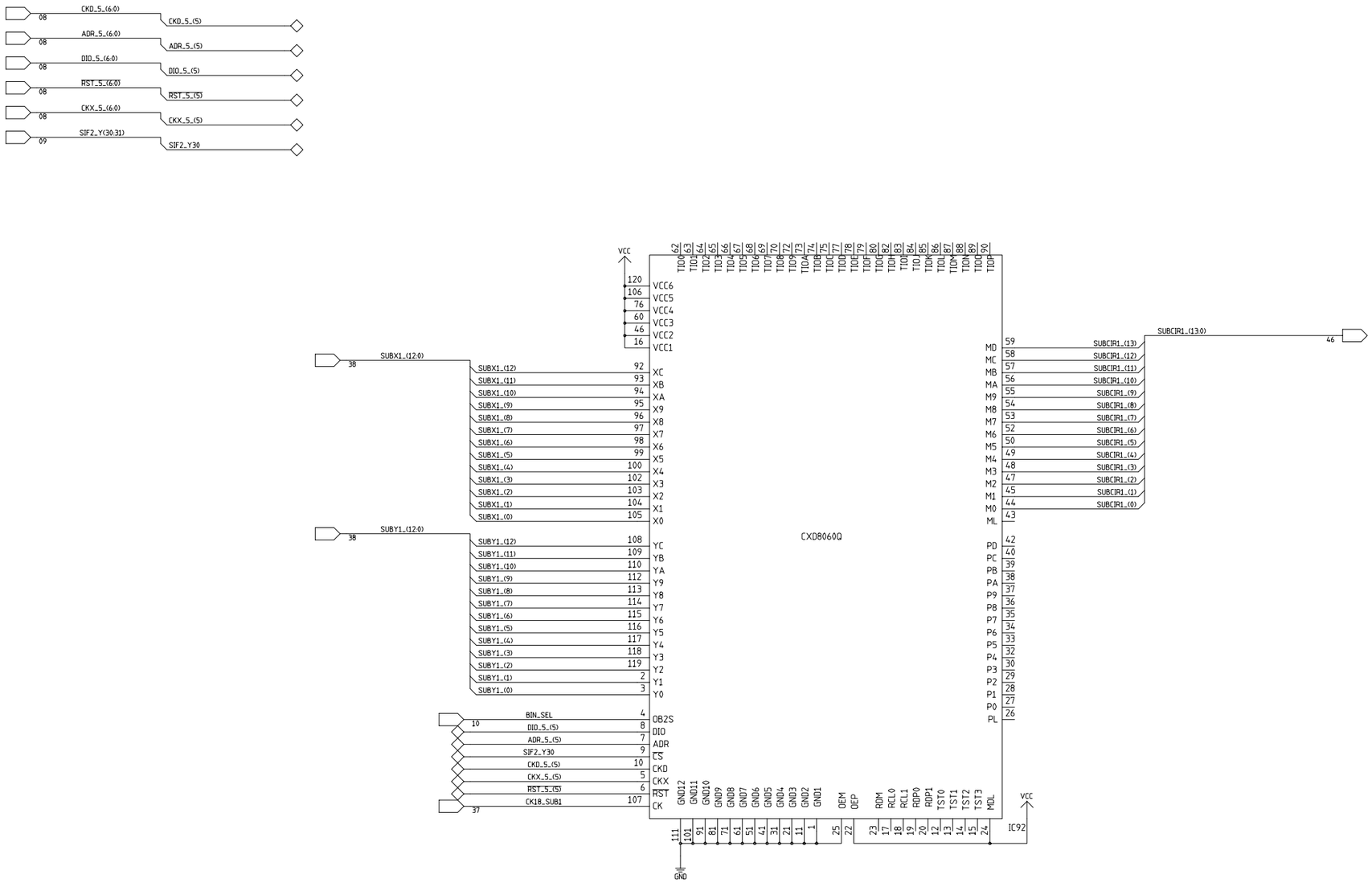
WKG-29 (41/50)



Wipe Generator Board
WKG-29 (41/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (42/50)



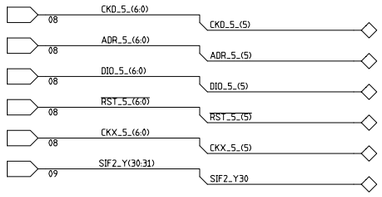
Wipe Generator Board

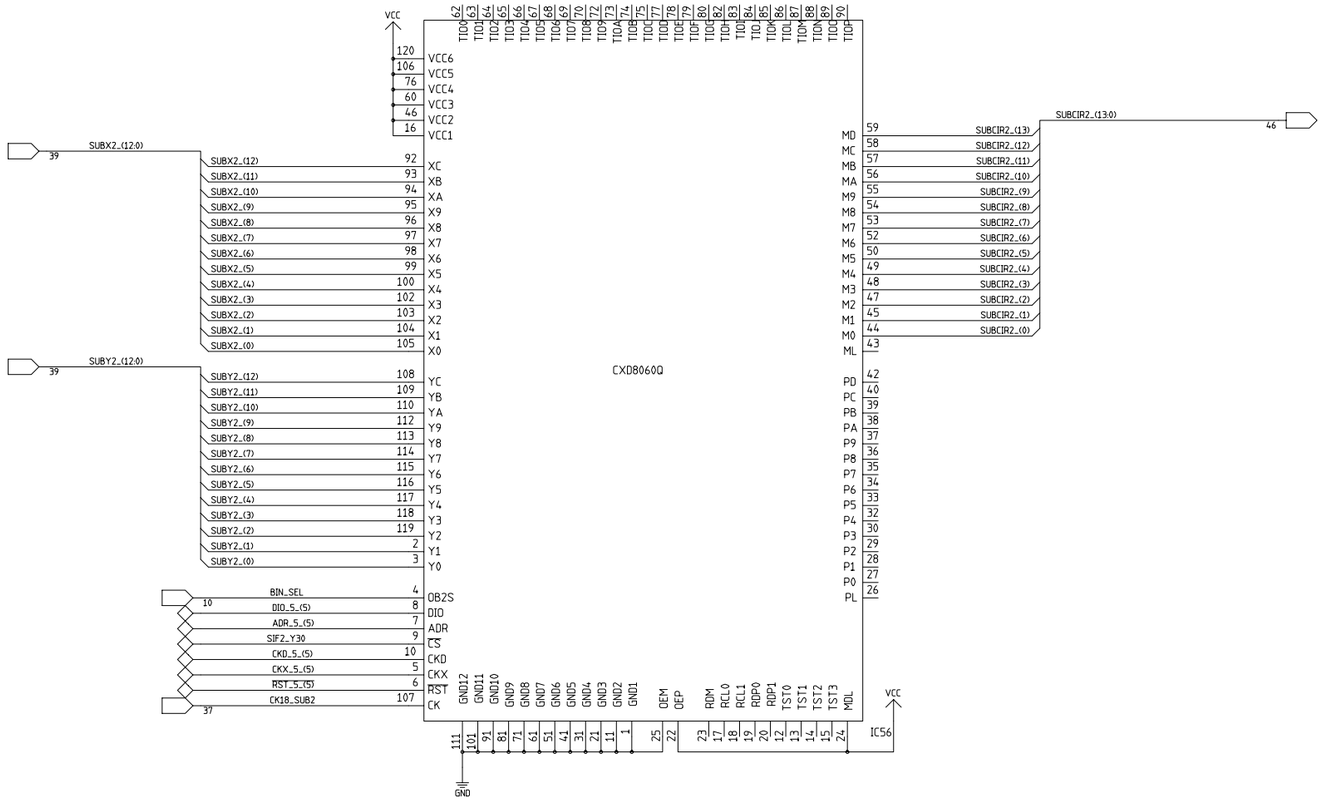
WKG-29 (42/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (43/50)





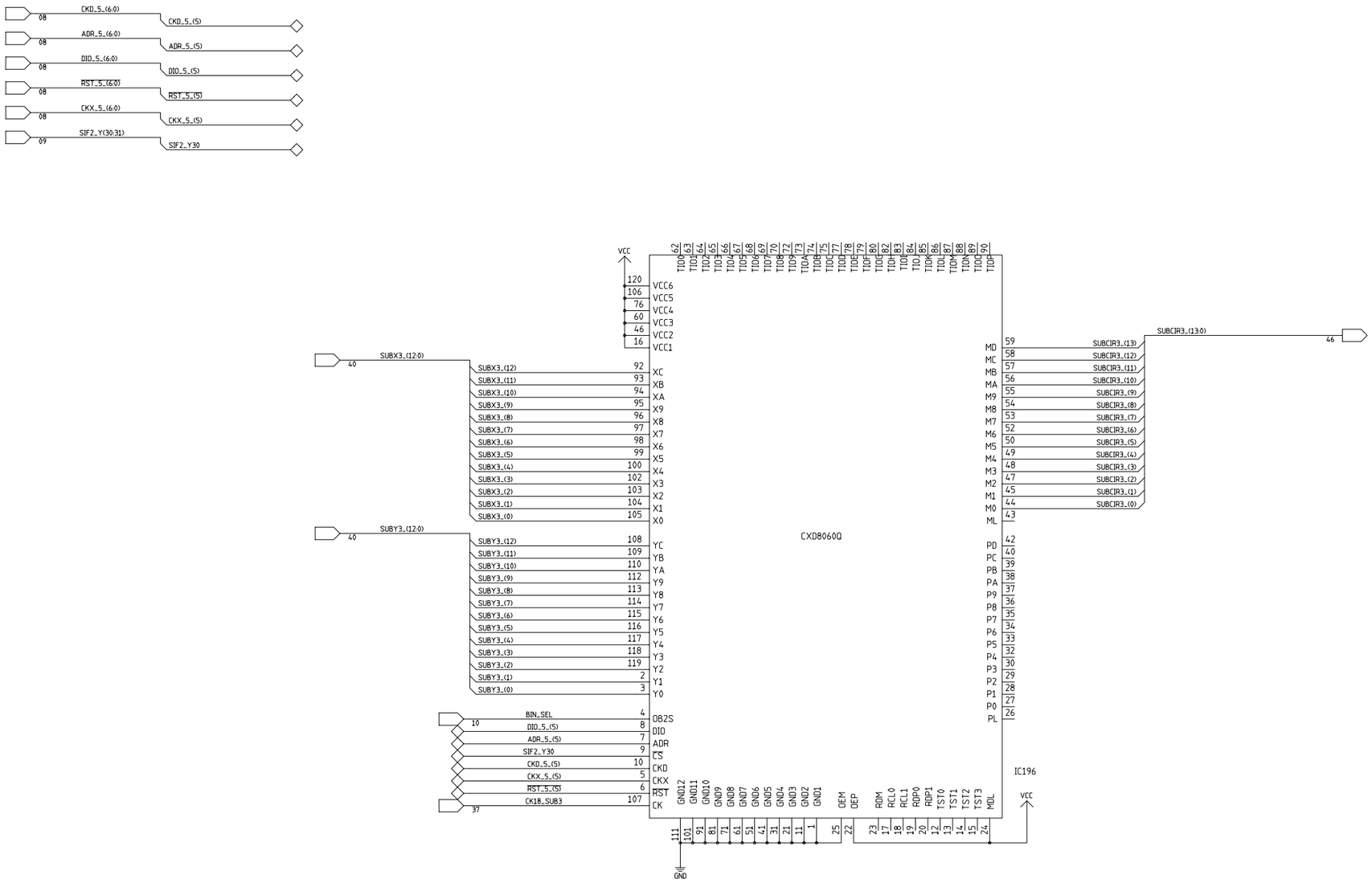
Wipe Generator Board

WKG-29 (43/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

660



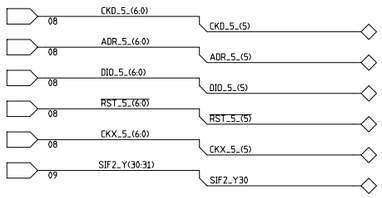
Wipe Generator Board

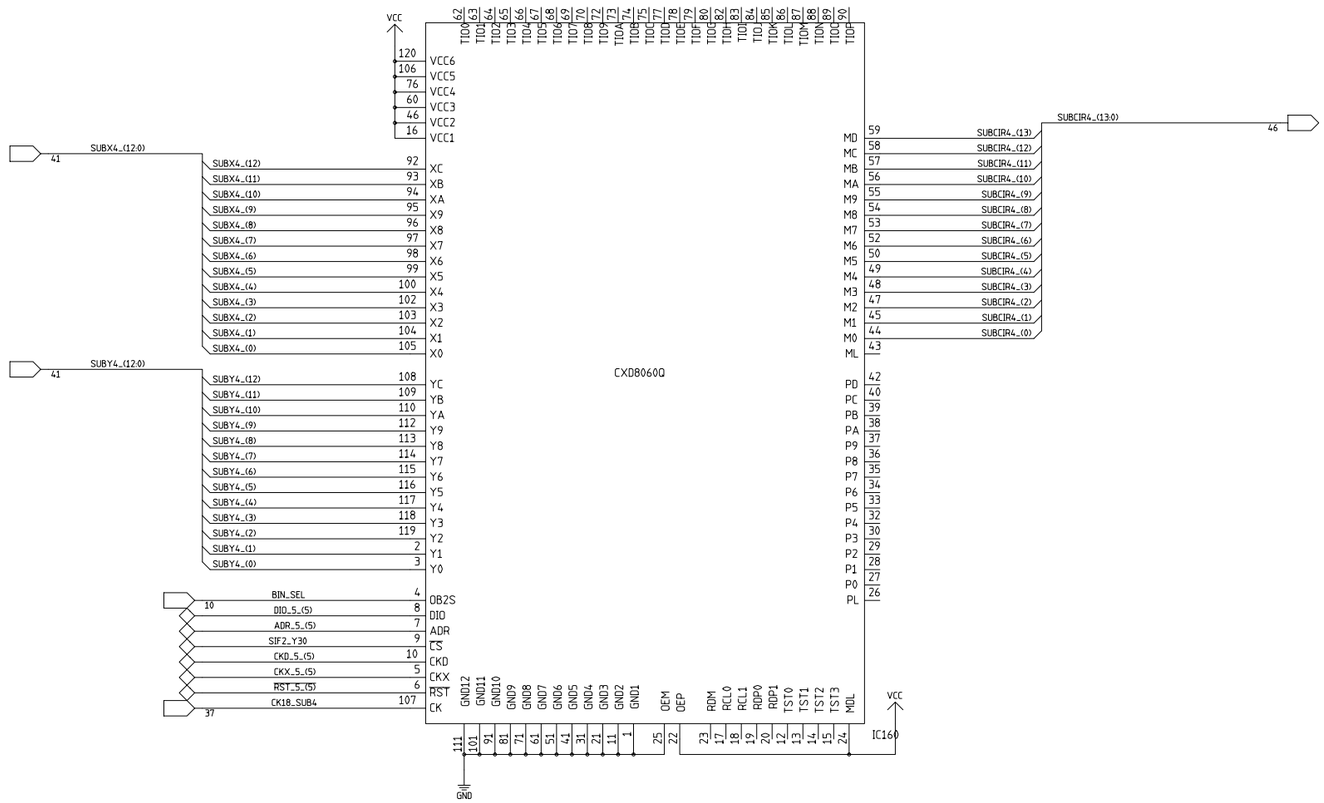
WKG-29 (44/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (45/50)



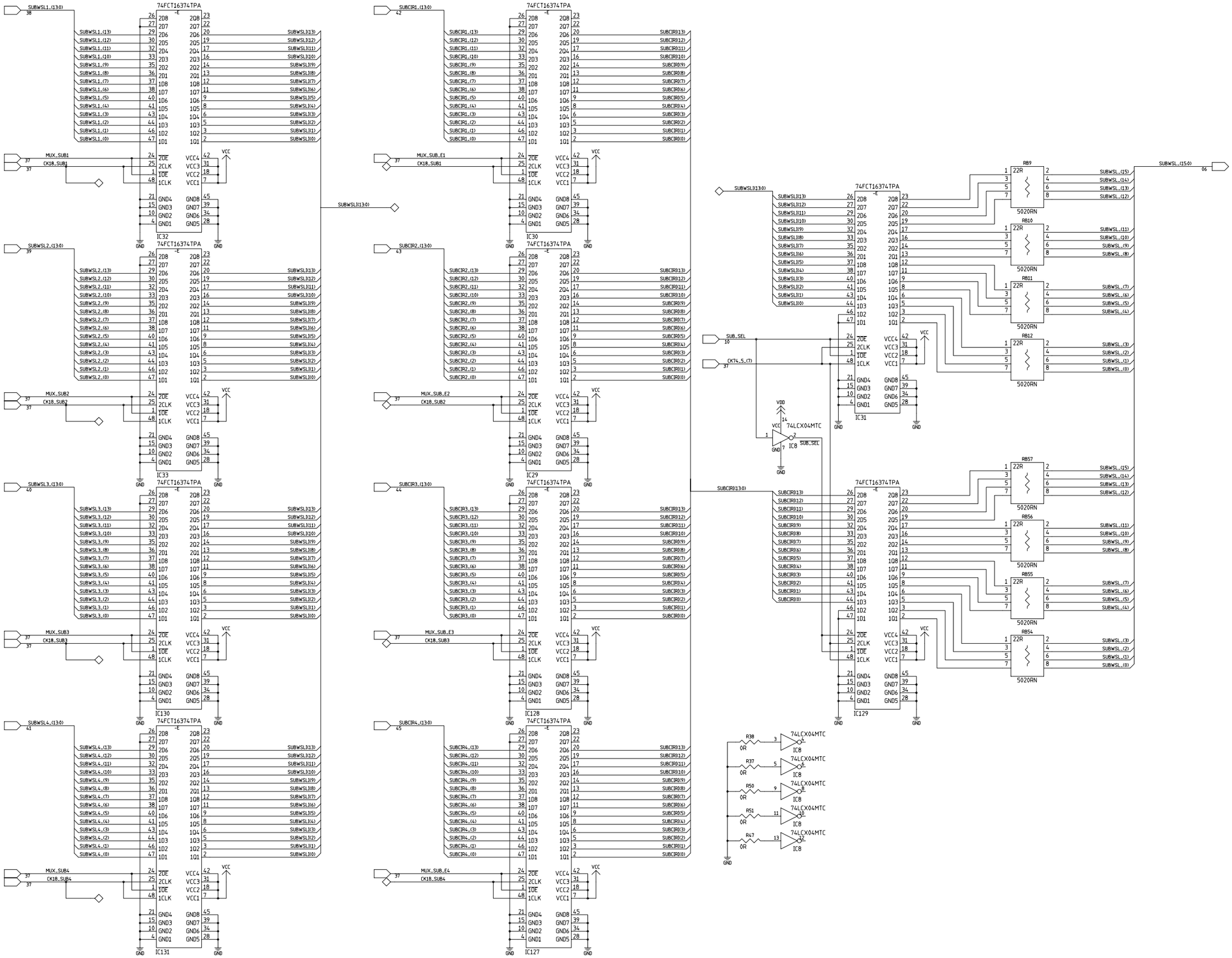


Wipe Generator Board
WKG-29 (45/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

662

WKG-29 (46/50)



HDS-7000

663

663

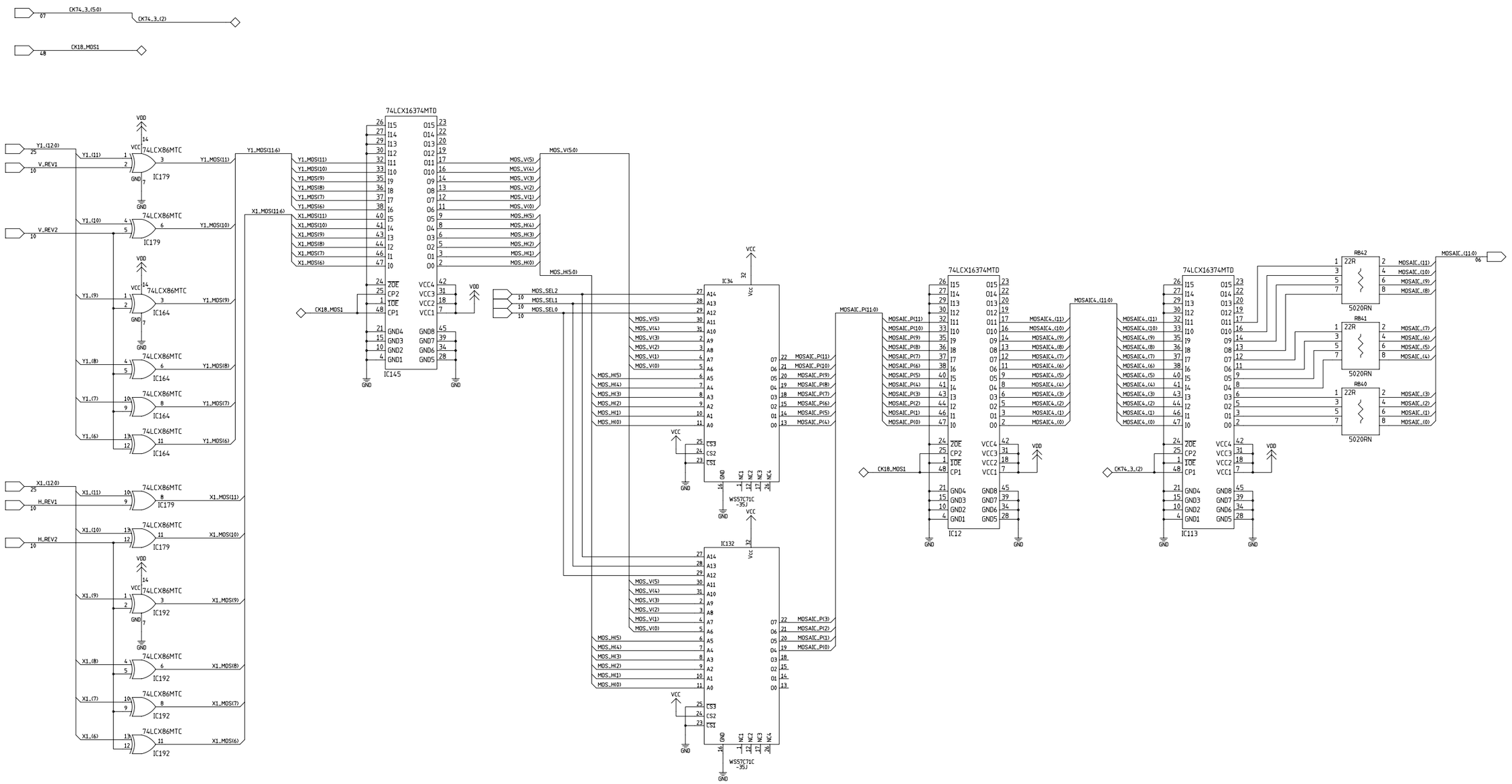
Wipe Generator Board

WKG-29 (46/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (47/50)



664

664

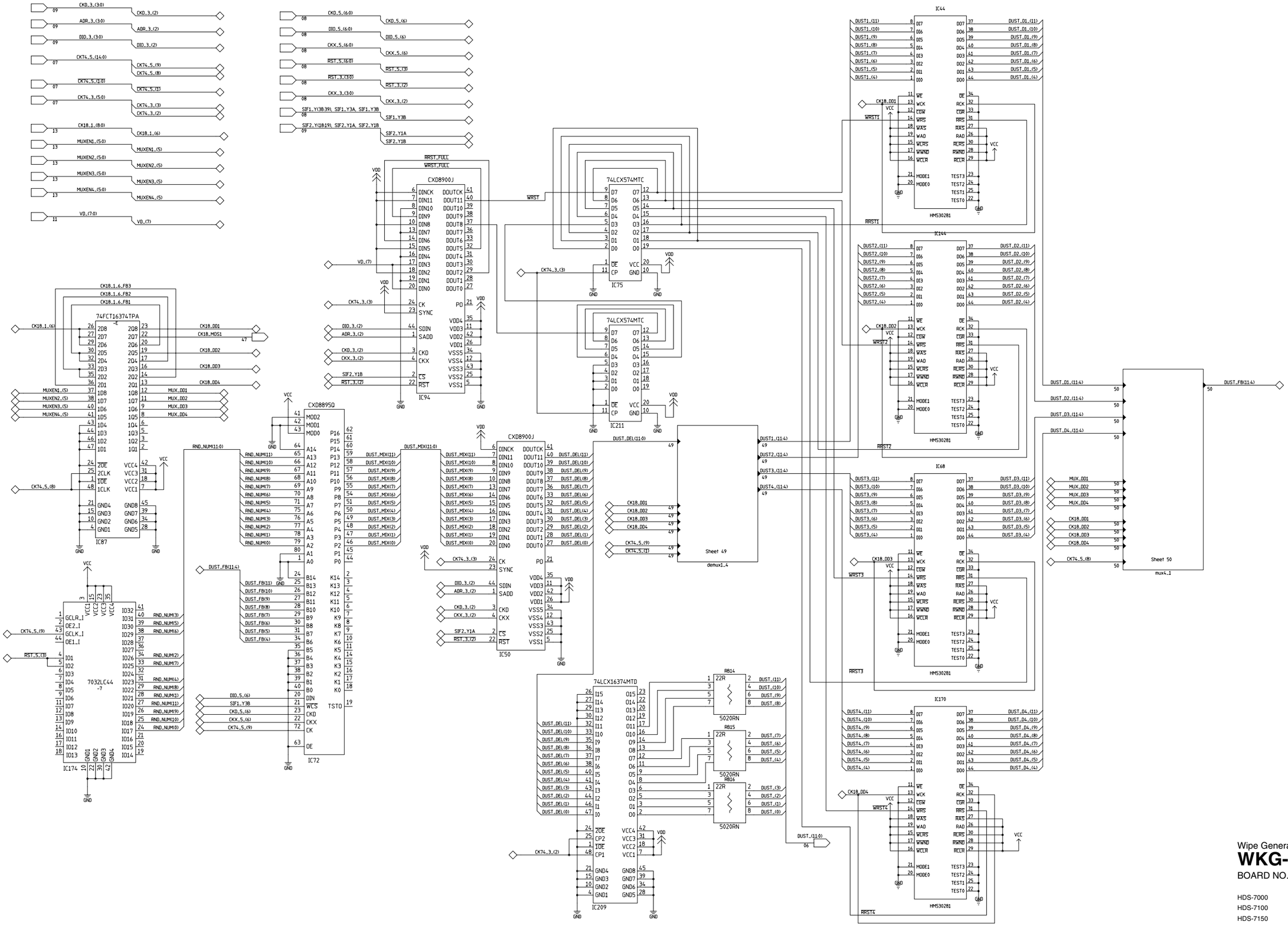
Wipe Generator Board

WKG-29 (47/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

HDS-7000



HDS-7000

665

665

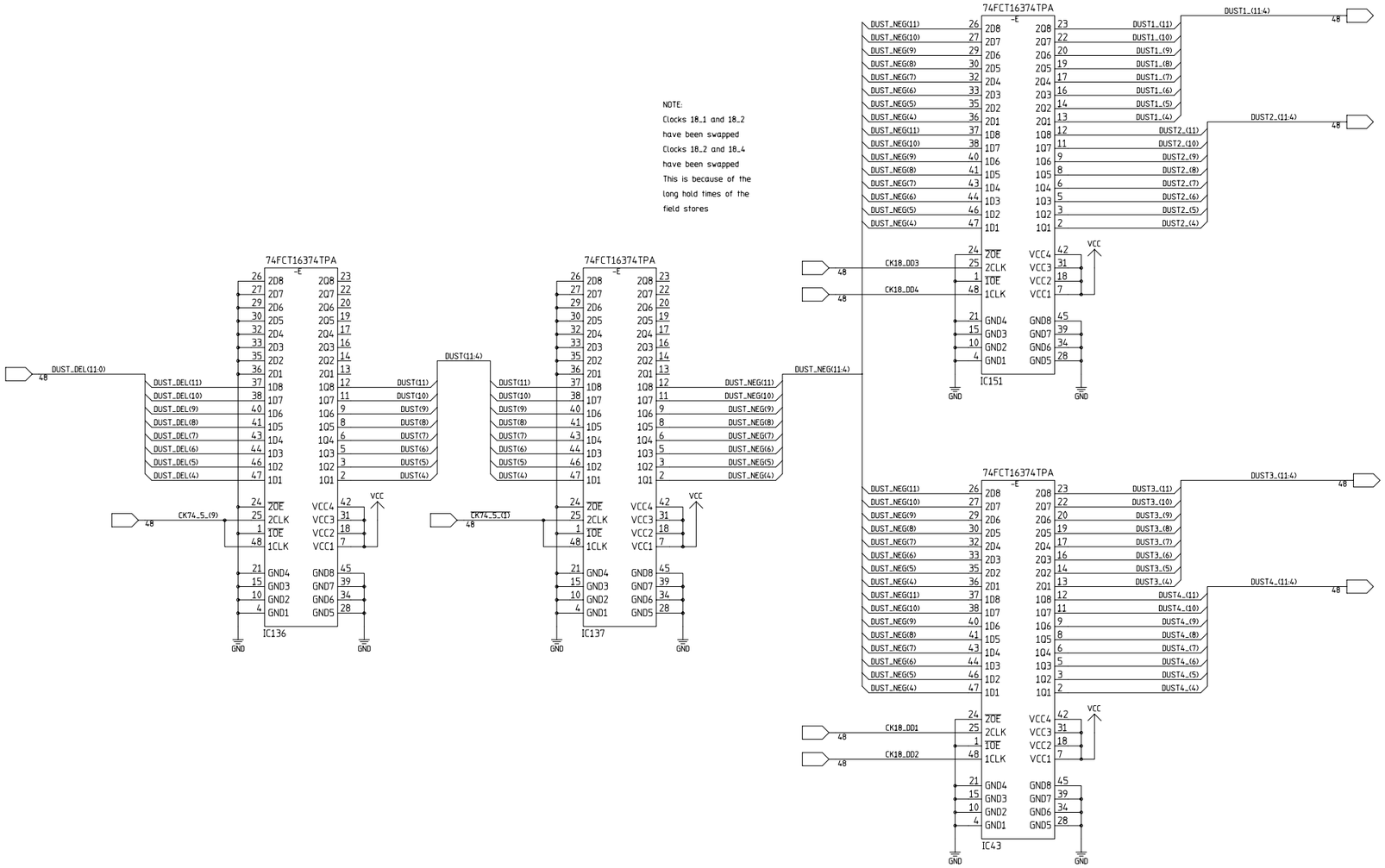
Wipe Generator Board

WKG-29 (48/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

WKG-29 (49/50)



Wipe Generator Board

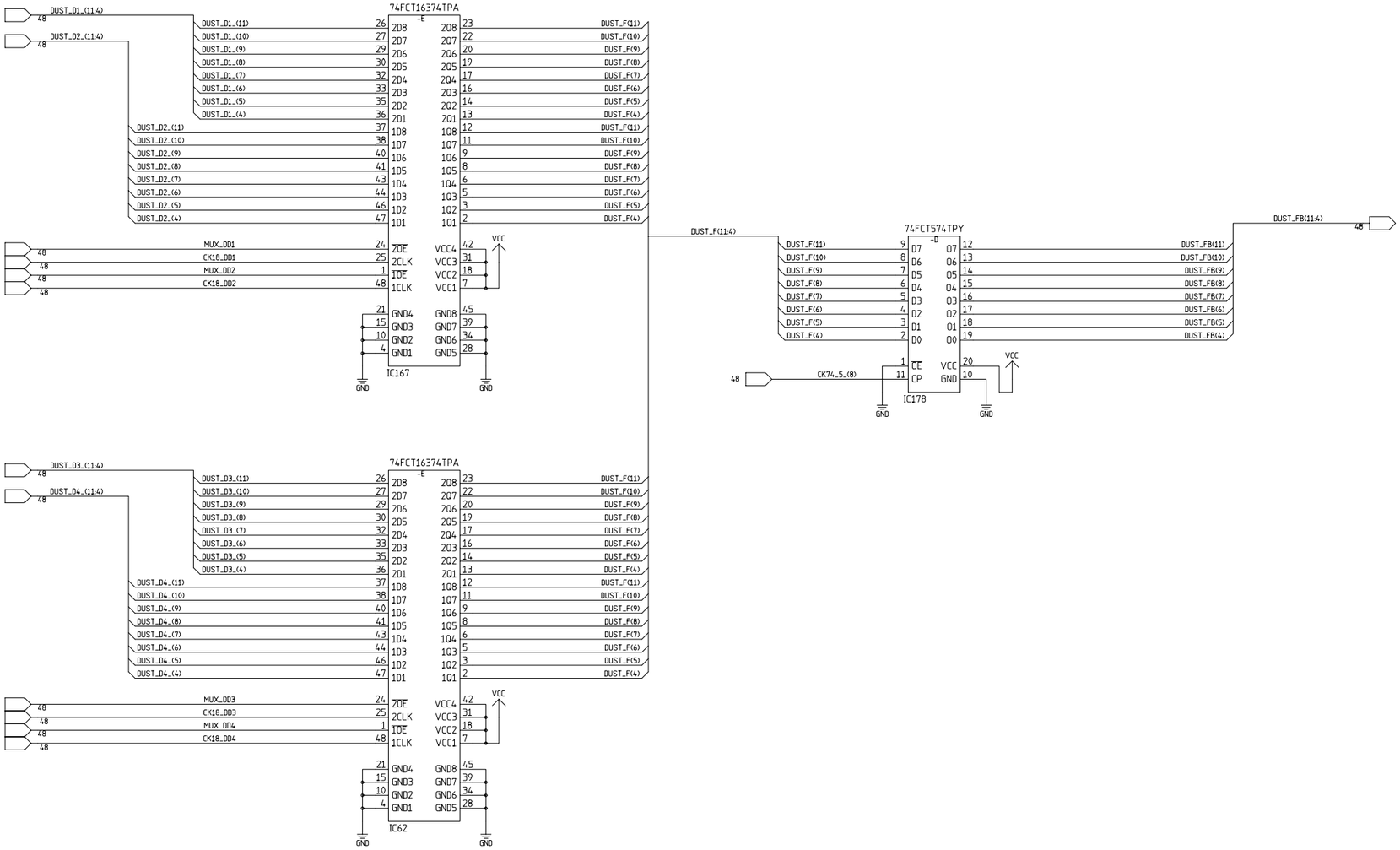
WKG-29 (49/50)

BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

666

WKG-29 (50/50)



Wipe Generator Board
WKG-29 (50/50)
BOARD NO. 1-674-370-12

HDS-7000
HDS-7100
HDS-7150

HDS-7000 (J, UCJ, SY) J, E
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