

Circuit Diagram

iR5075/5065/5055 Series

Canon

IMPORTANT

This documentation is published by Canon Inc., Japan, to serve as a source of reference for work in the field.

Specifications and other information contained herein may vary slightly from actual machine values or those found in advertising and other printed matter.

Any questions regarding the information contained herein should be directed to the Copier Service Department of the Sales Company.

This documentation is intended for all sales areas, and may contain information not applicable to certain areas.

Reproduction without permission not allowed.

Use of this manual should be strictly supervised to avoid disclosure of confidential information.

COPYRIGHT 2001 CANON INC.

Printed in Japan

Caution

Use of this manual should be strictly supervised to avoid disclosure of confidential information.

Contents

1 Controller..... 1

 DC controller PCB 1

 Reader Controller PCB..... 35

 Main Controller PCB..... 40

2 Reader unit..... 65

 Video Controller PCB 65

 Interface PCB 74

3 Printer unit..... 79

 AC Driver PCB 79

 HVT PCB..... 81

 Control Panel CPU PCB..... 85

 Panel Switch PCB 88

 NCU PCB 89

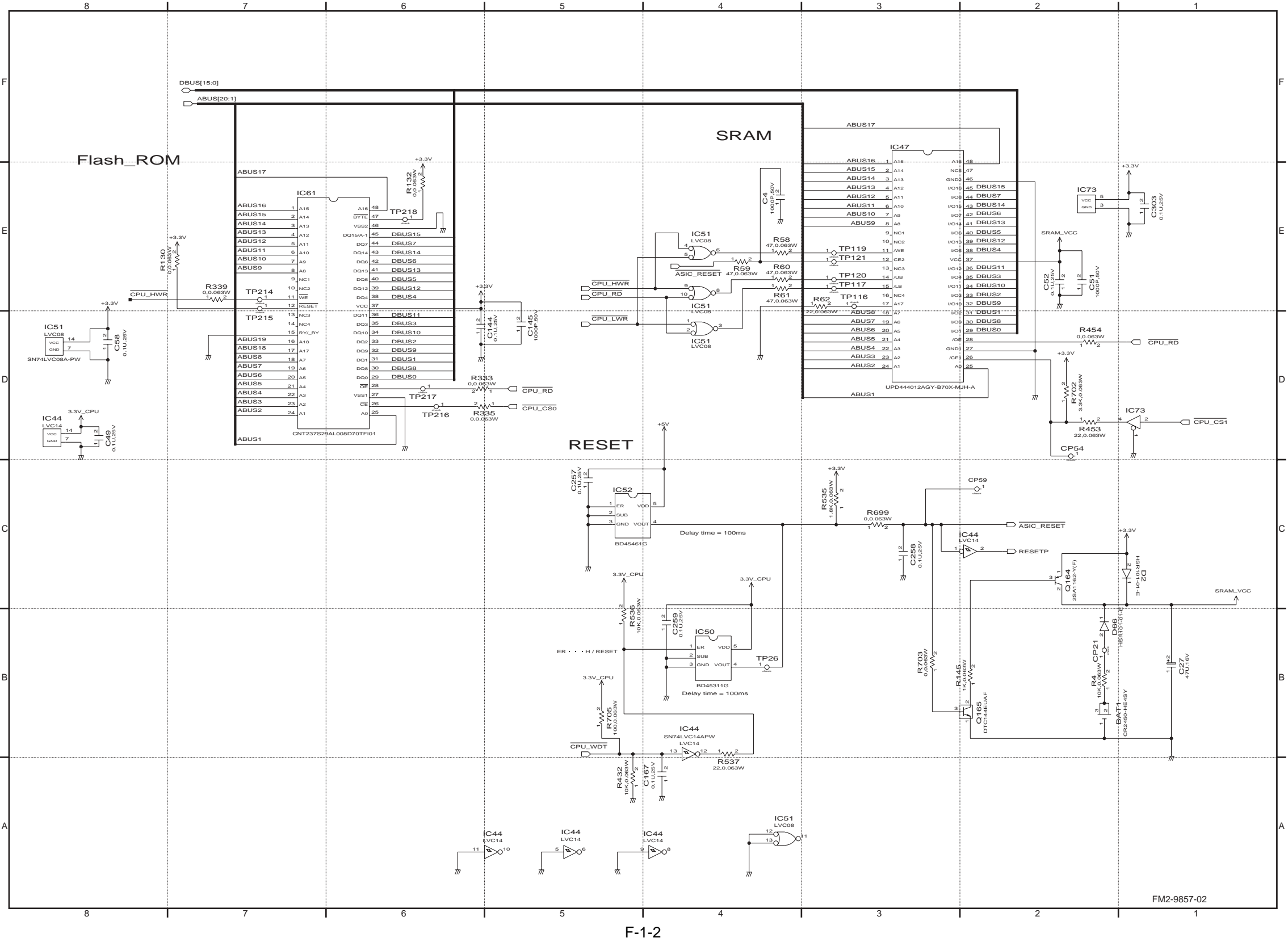
 G3 Fax Control PCB..... 91

 G3 Modular PCB 97

 Duplex Unit Driver PCB..... 99

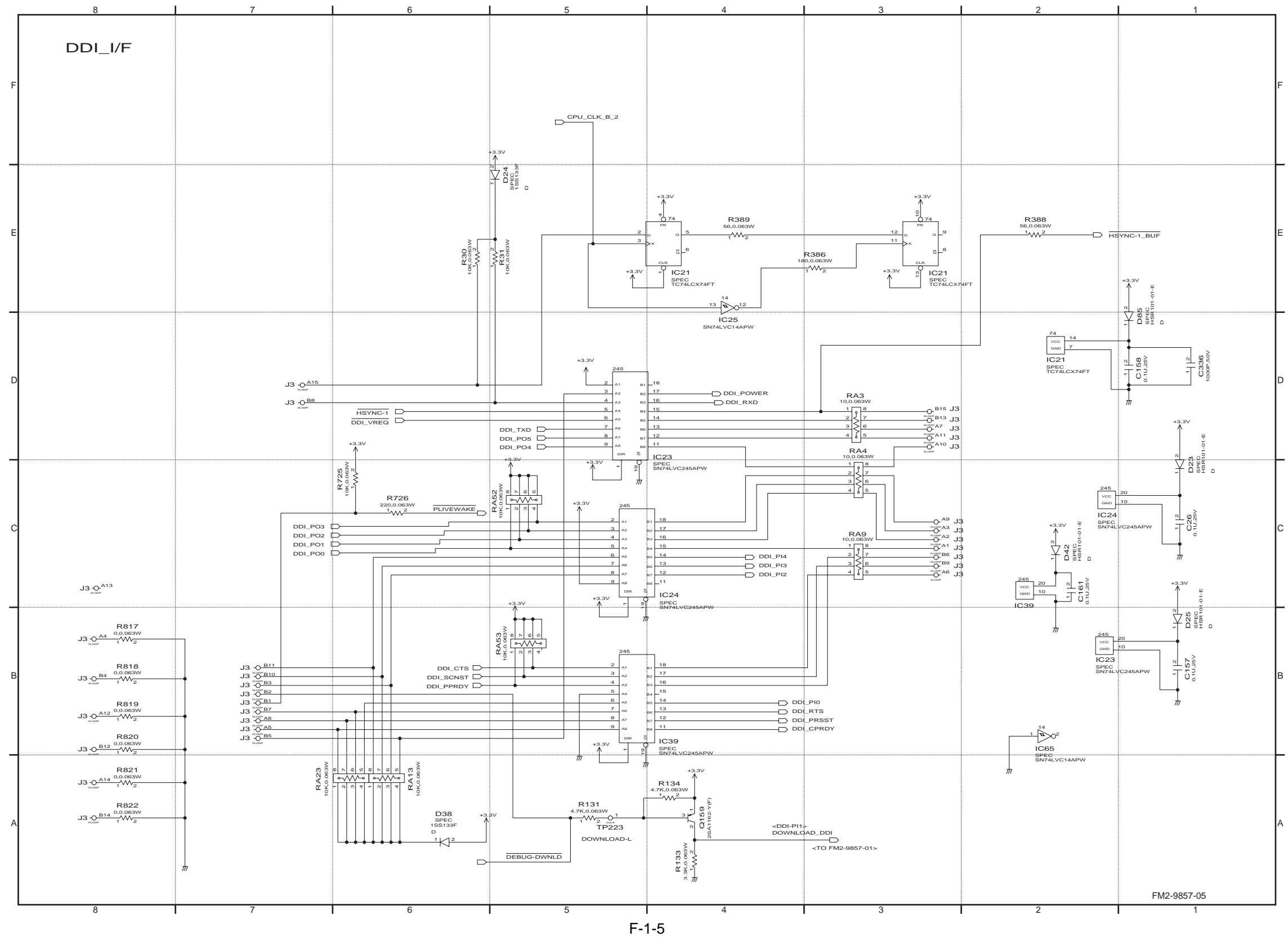
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N





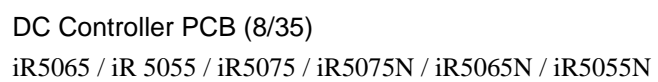


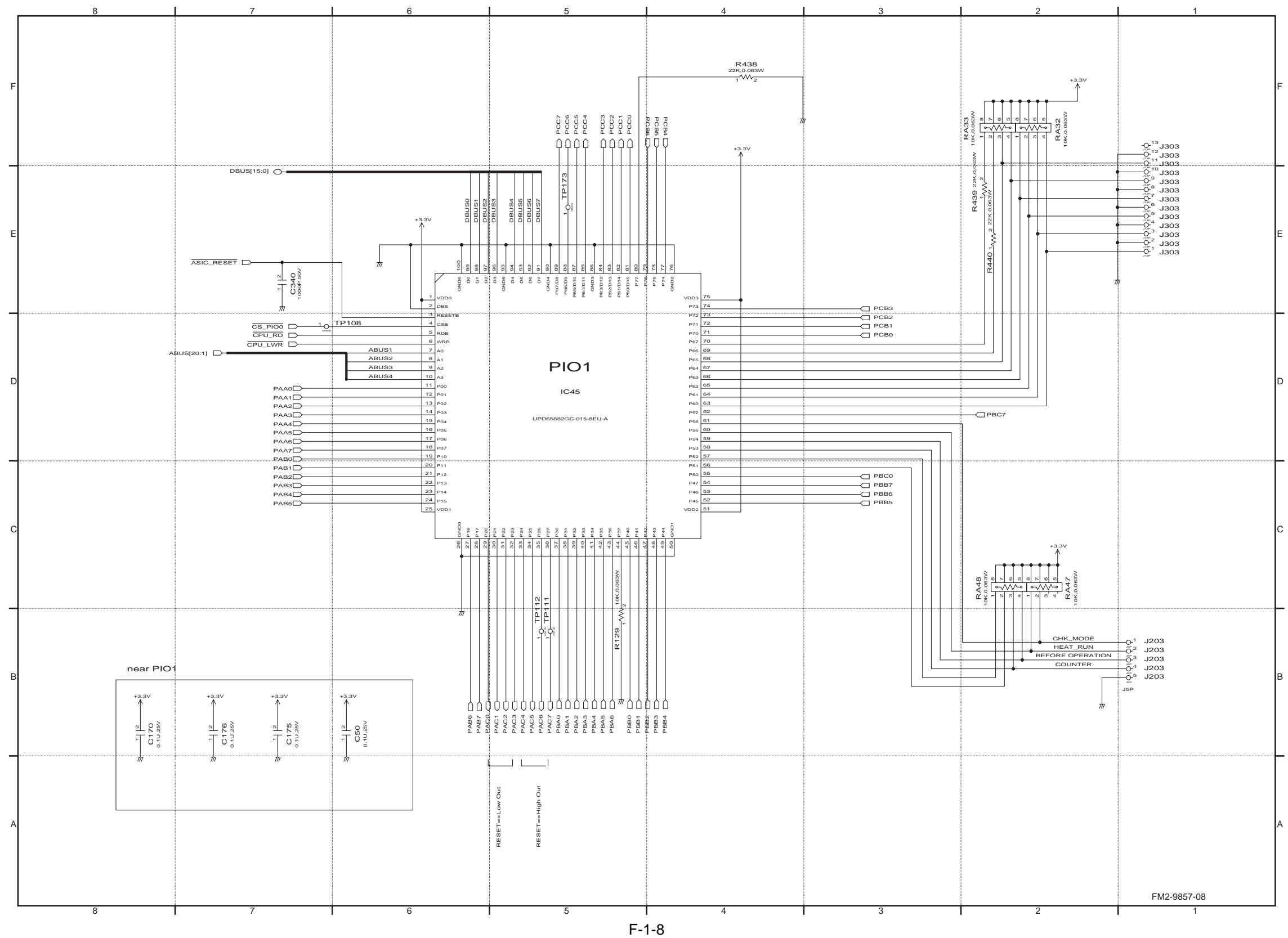
FM2-9857-03

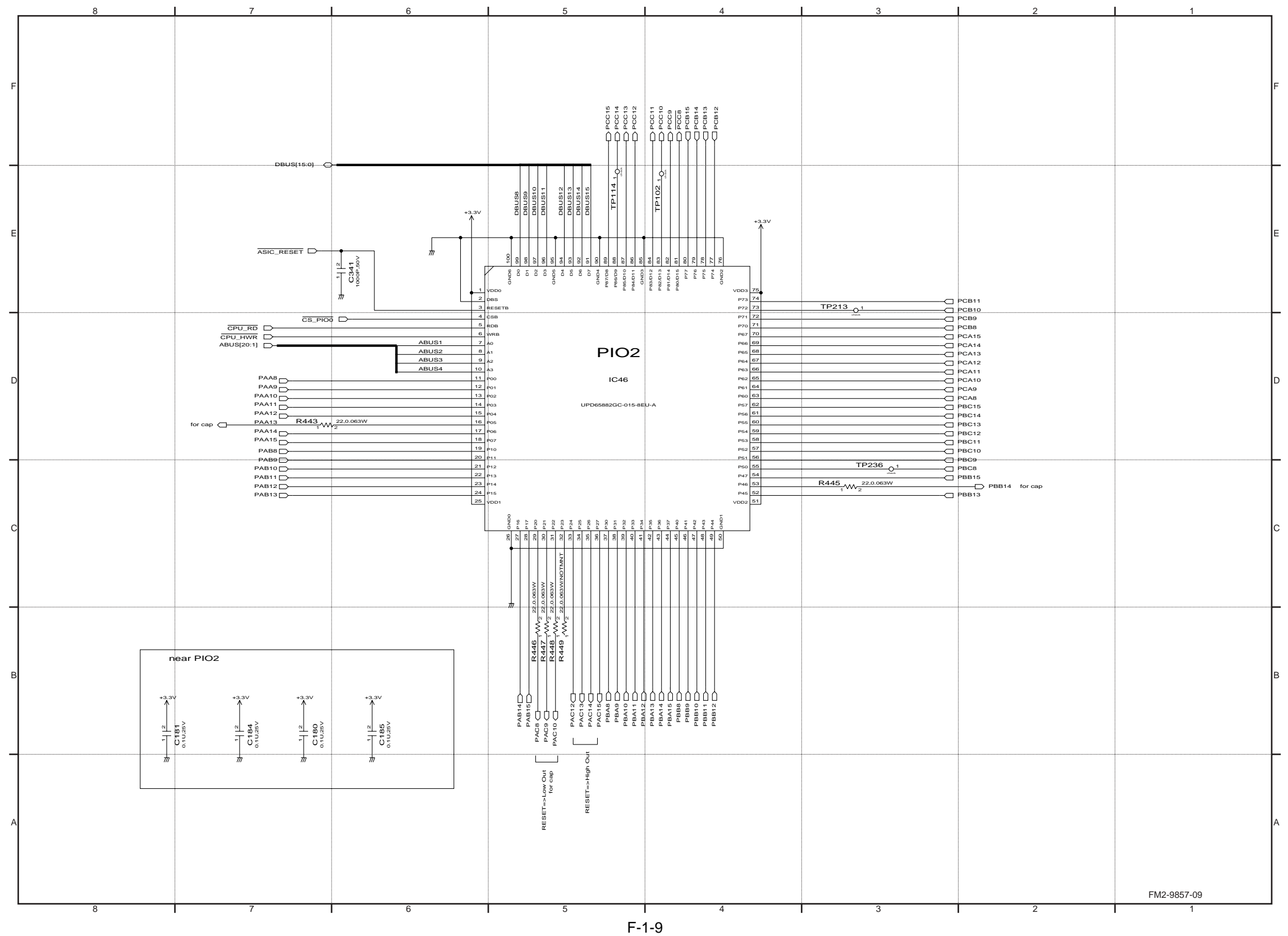


DC Controller PCB (6/35)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

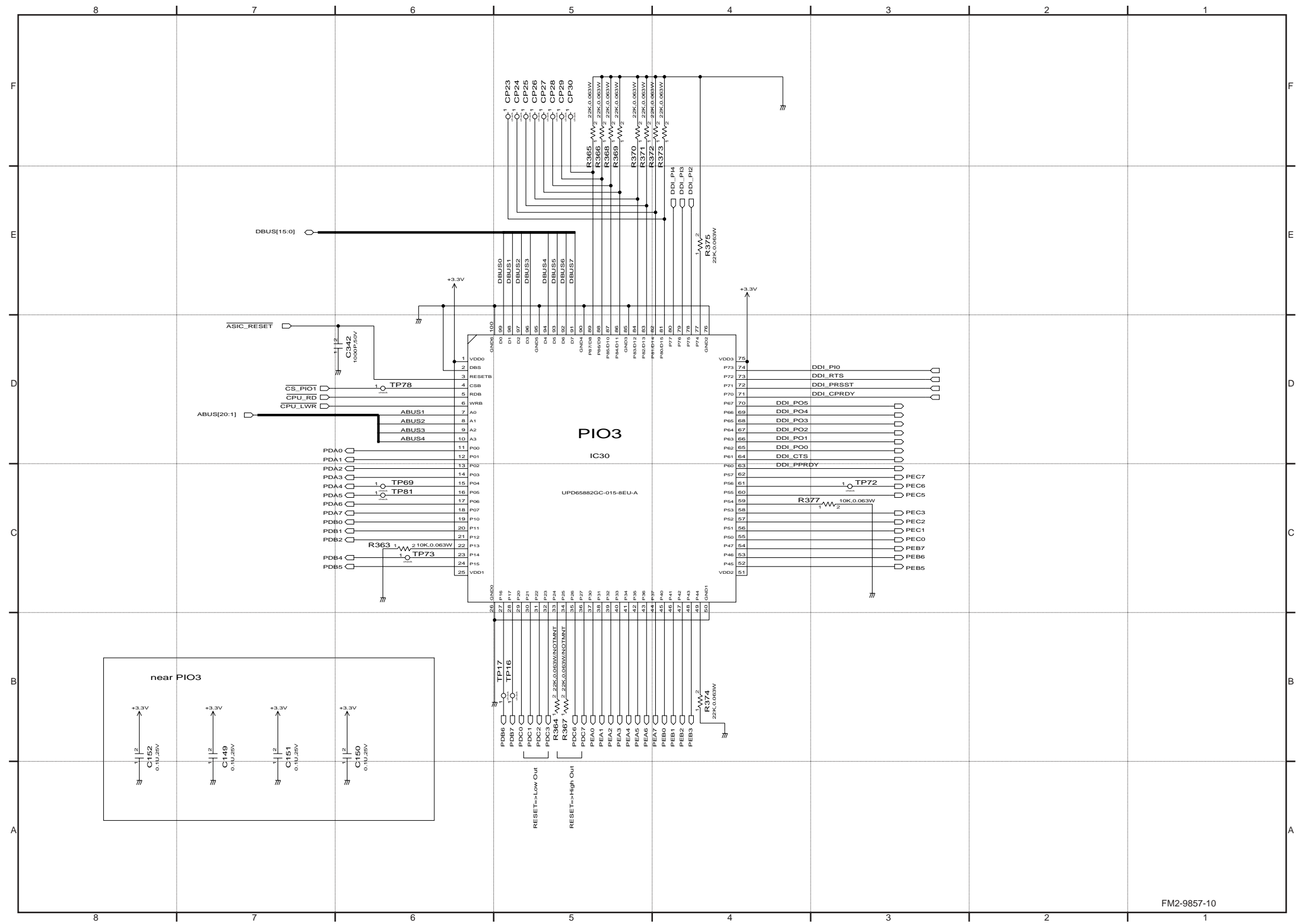




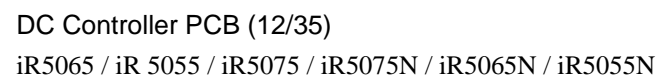


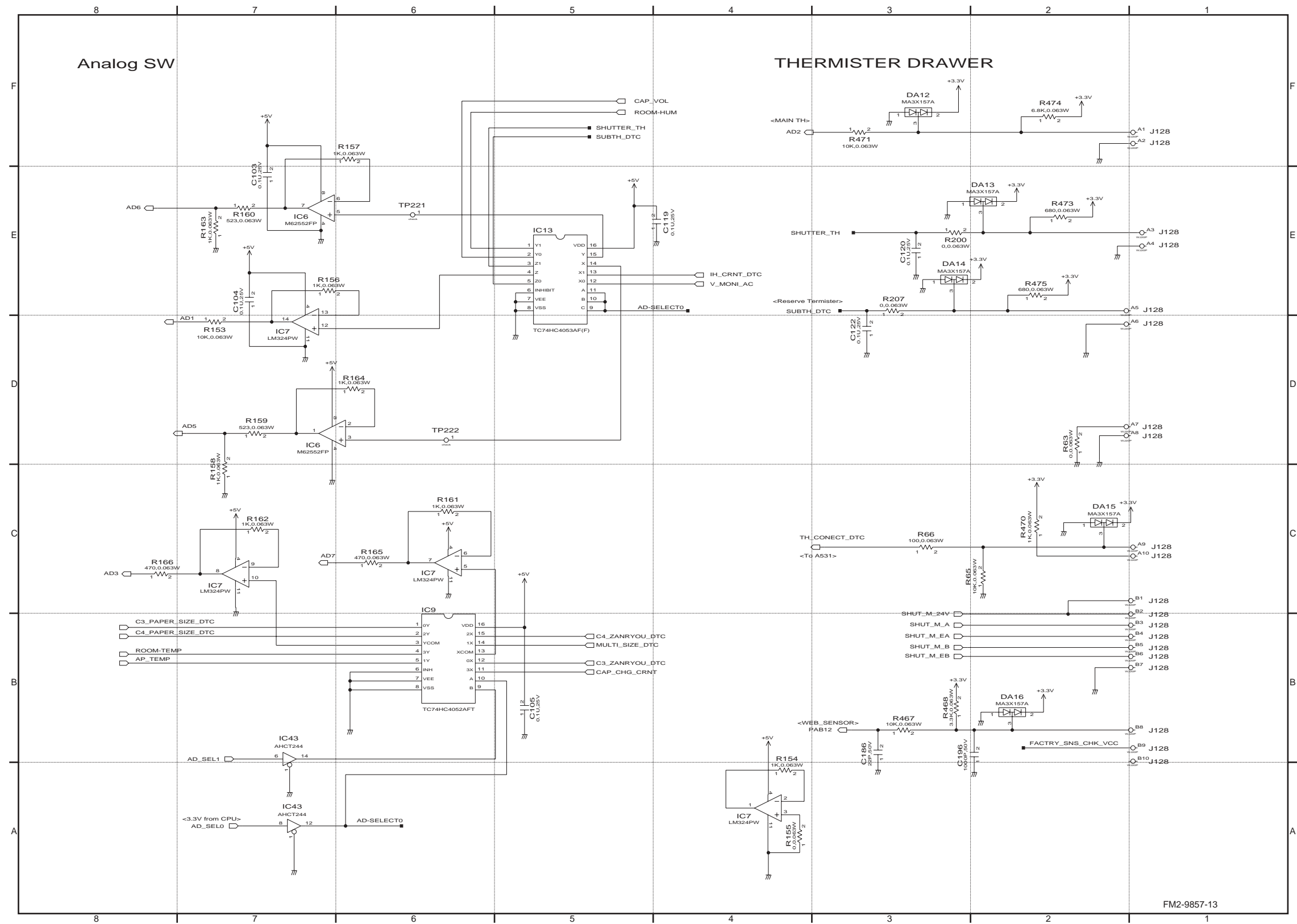
DC Controller PCB (10/35)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



DC Controller PCB (11/35)
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

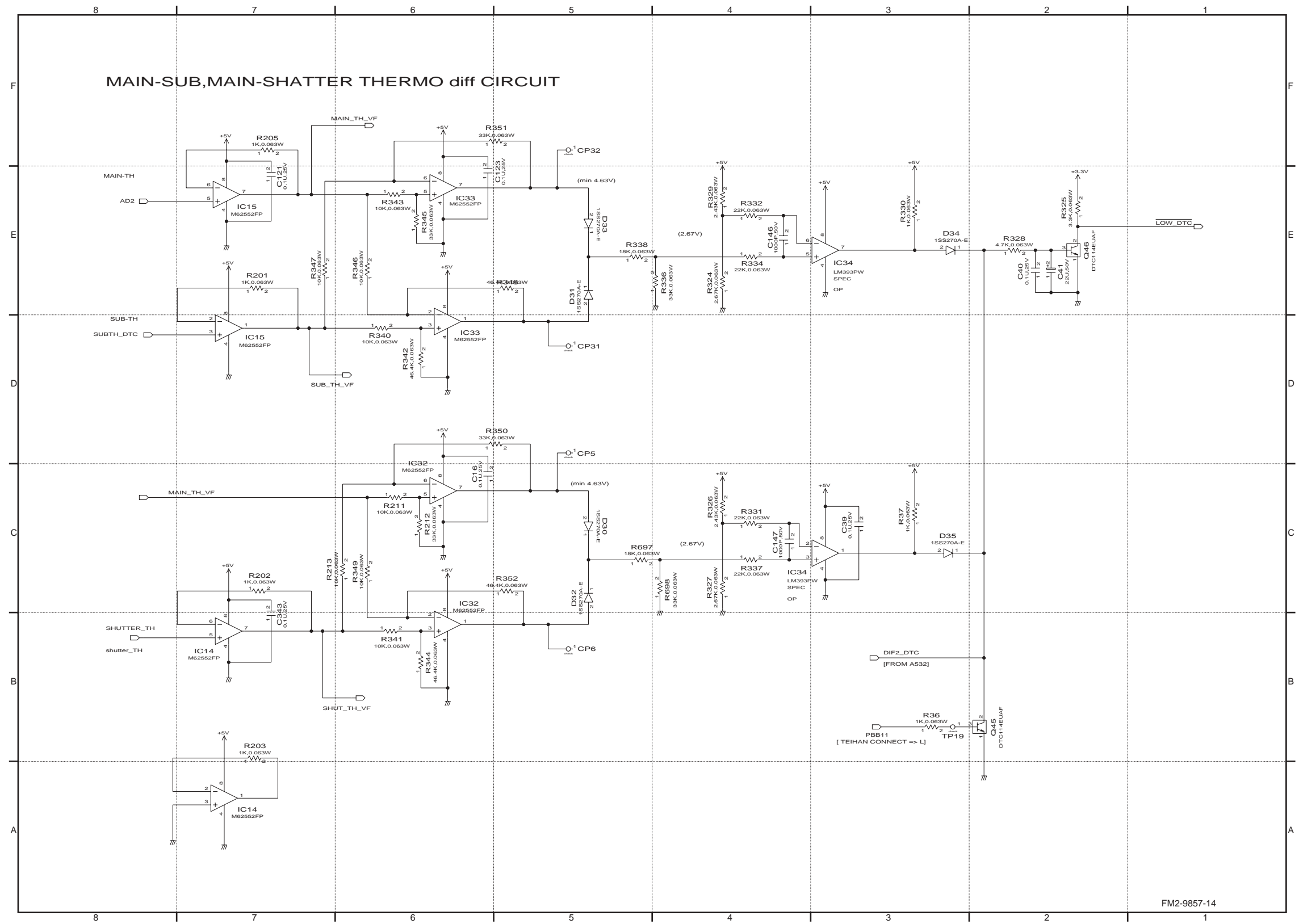




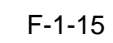
F-1-13

DC Controller PCB (14/35)

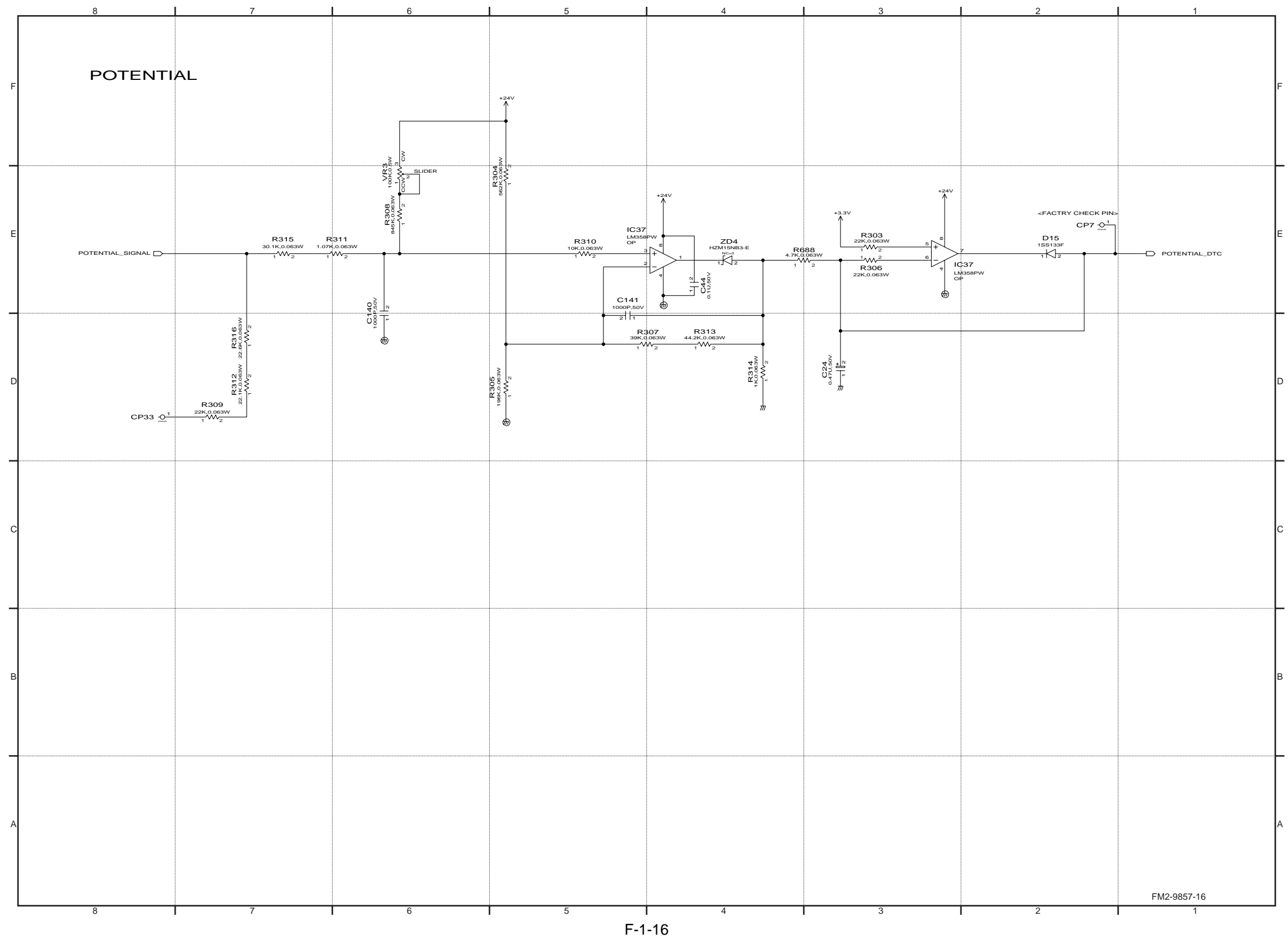
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



DC Controller PCB (15/35)
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



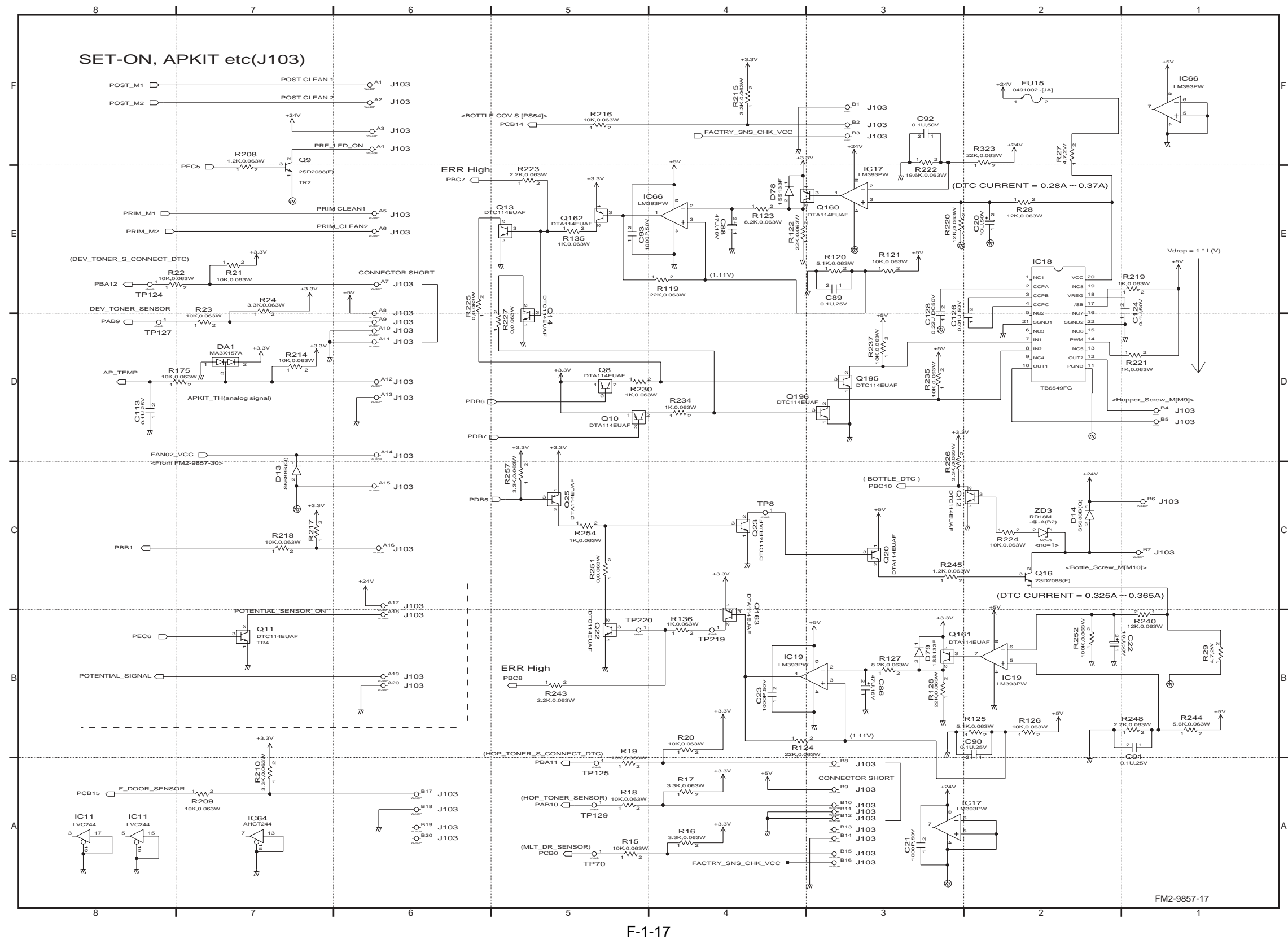
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-1-16

DC Controller PCB (17/35)

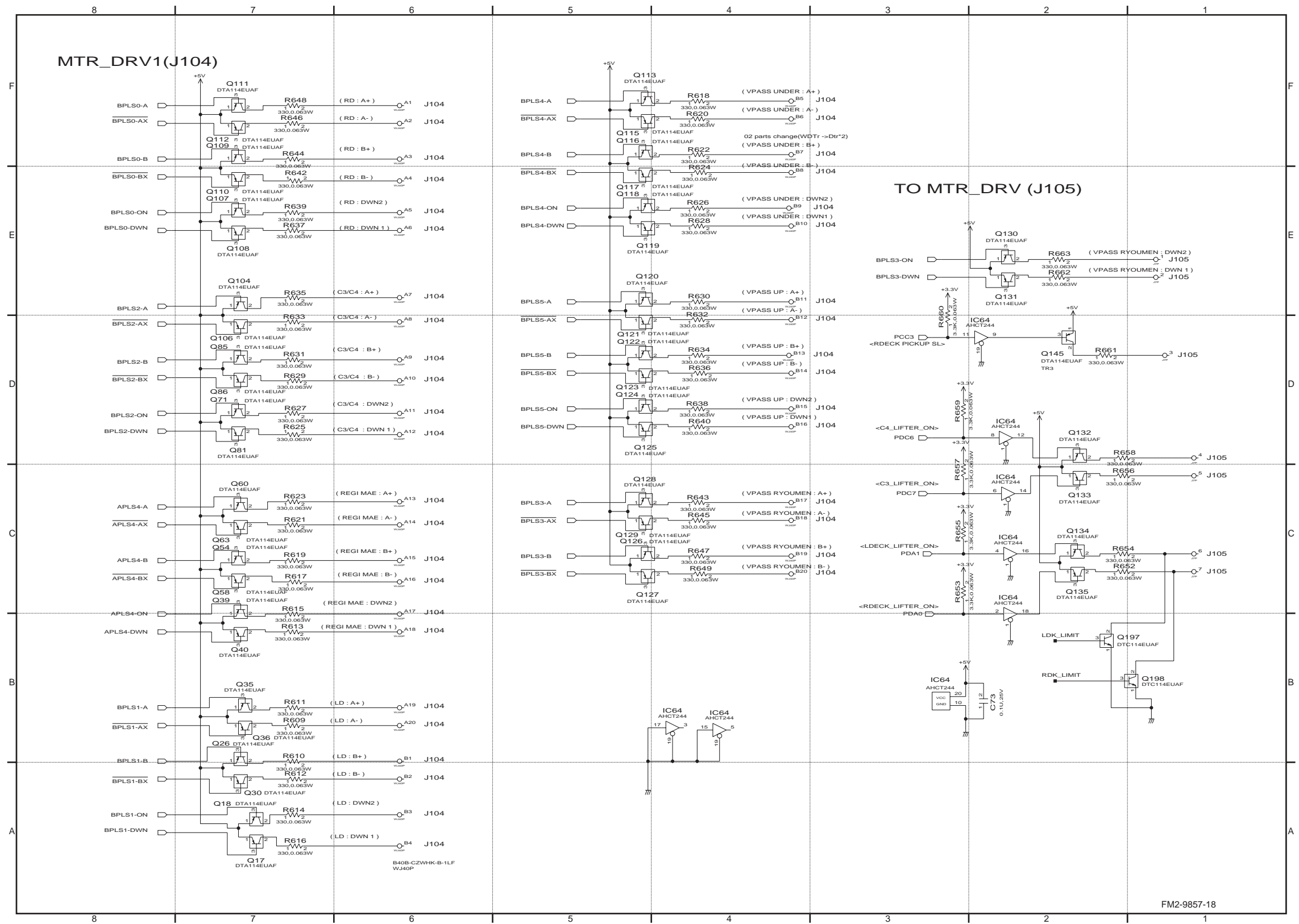
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-1-17

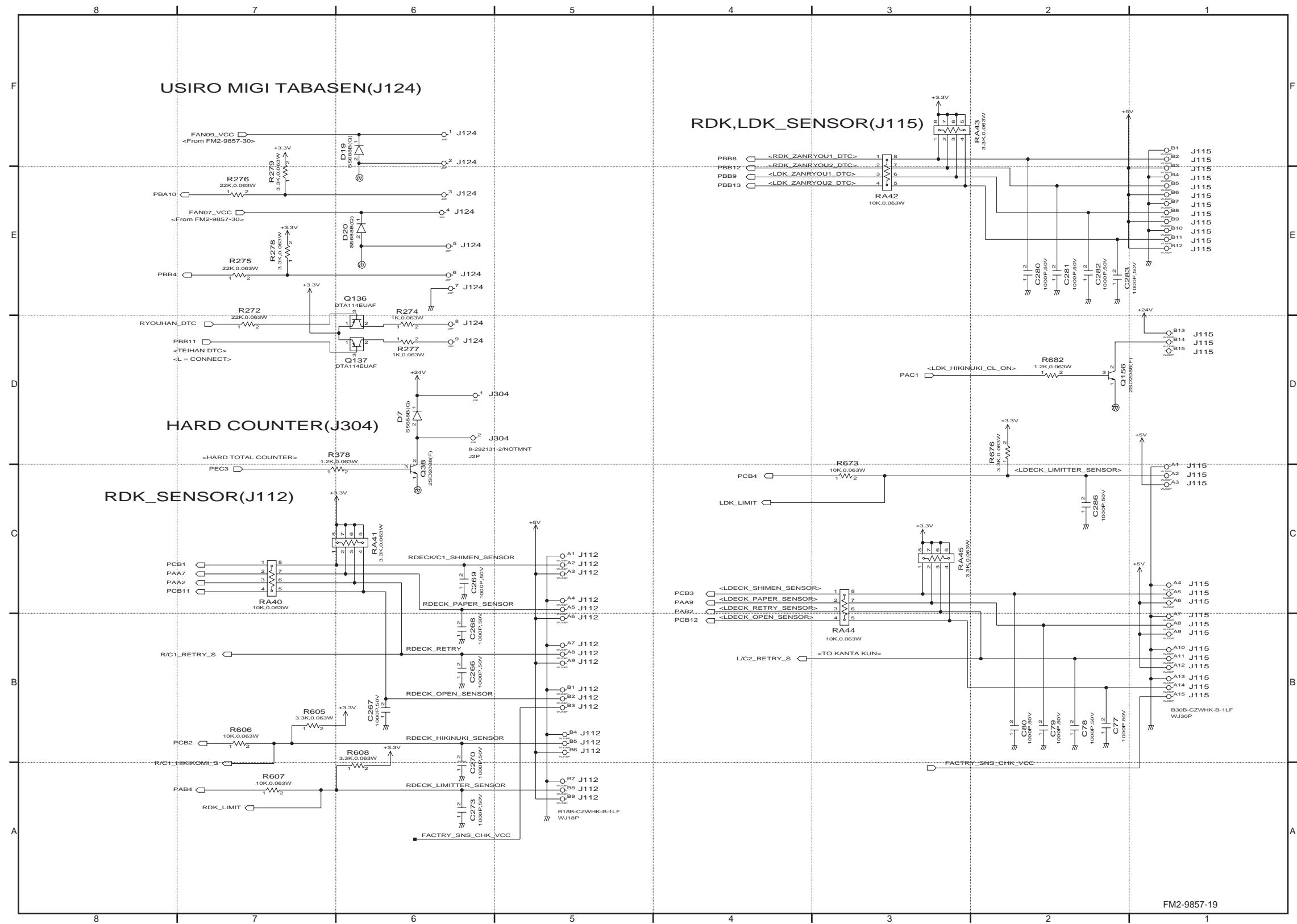
DC Controller PCB (18/35)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



DC Controller PCB (19/35)

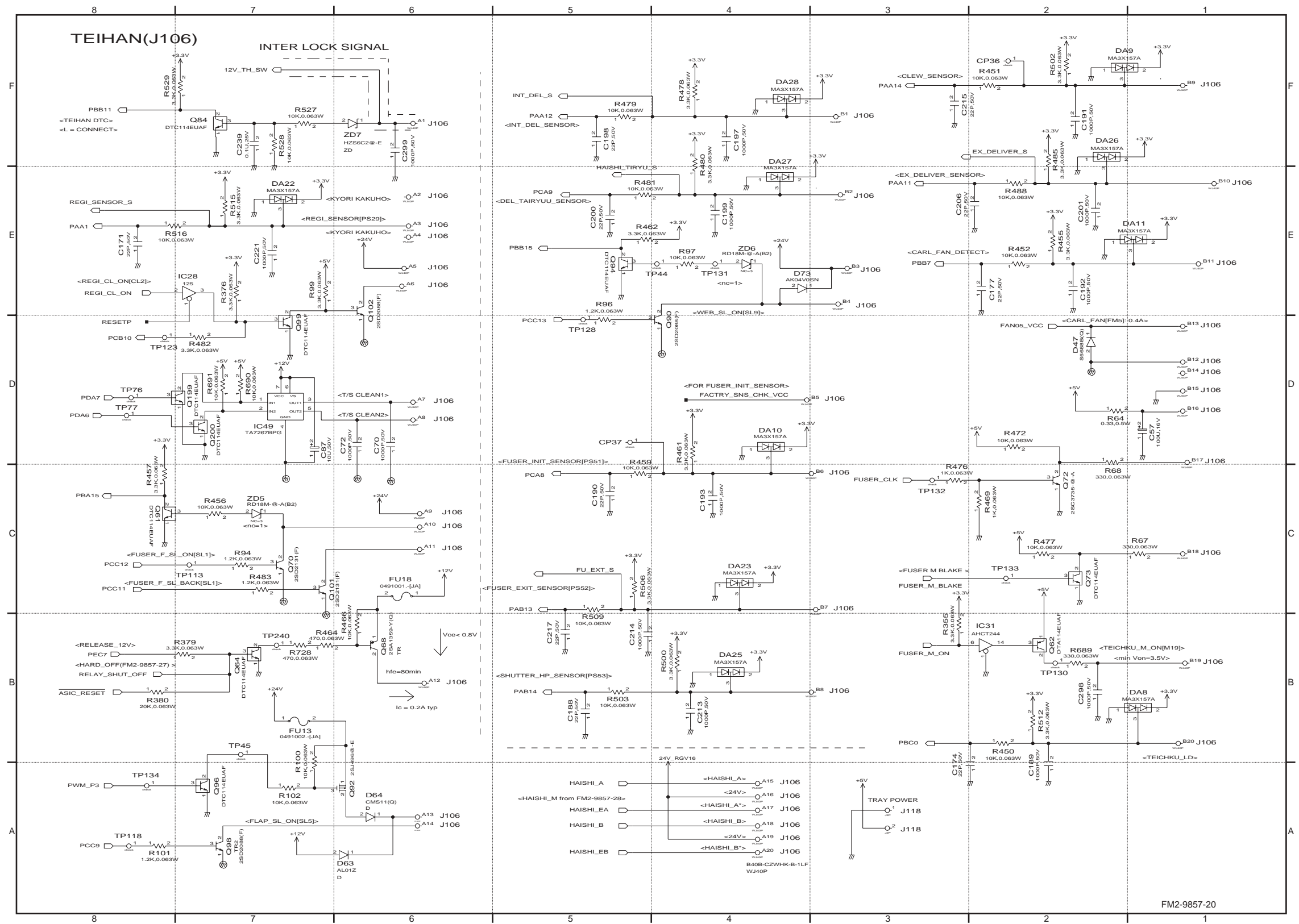
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-1-19

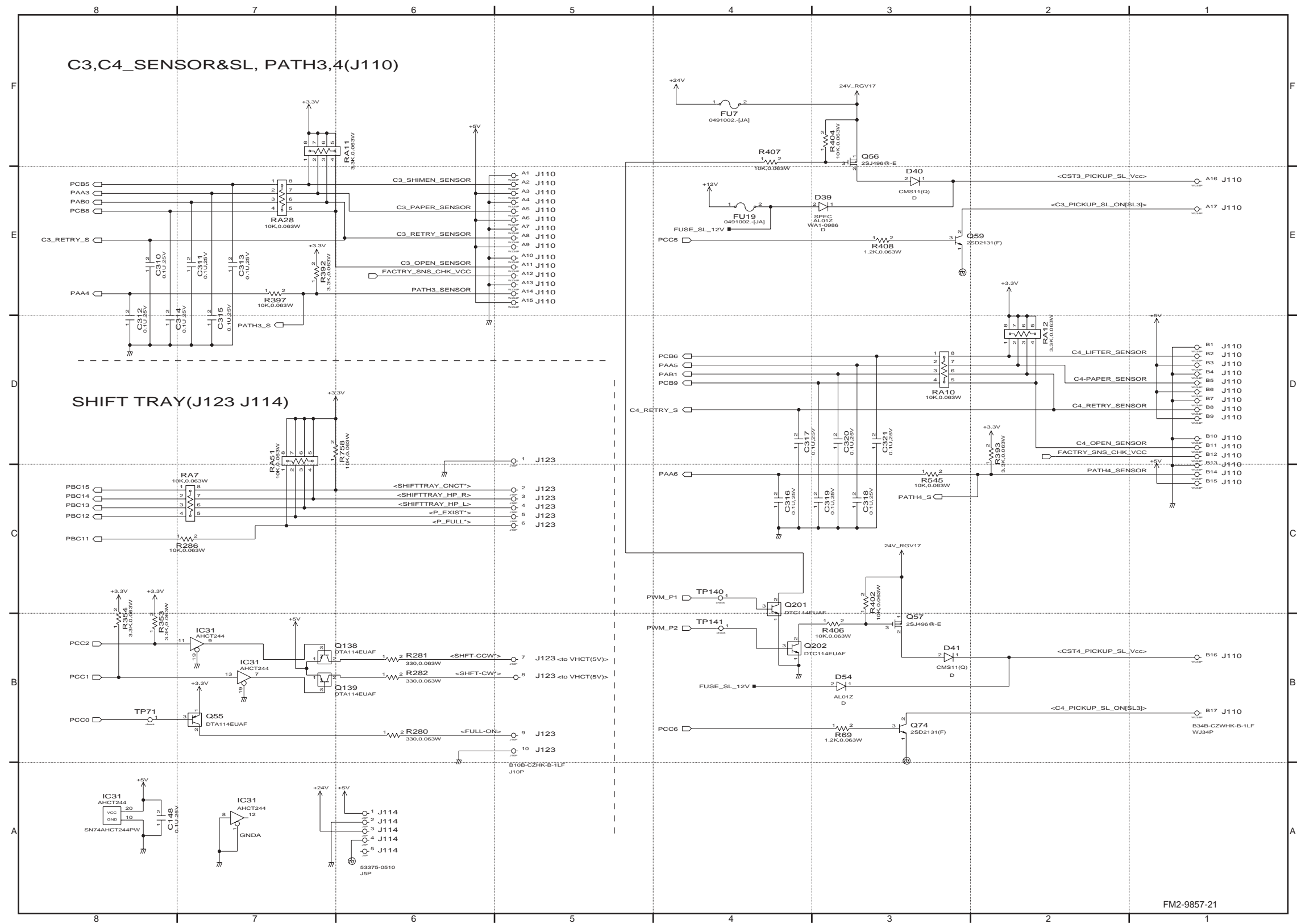
DC Controller PCB (20/35)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



DC Controller PCB (21/35)

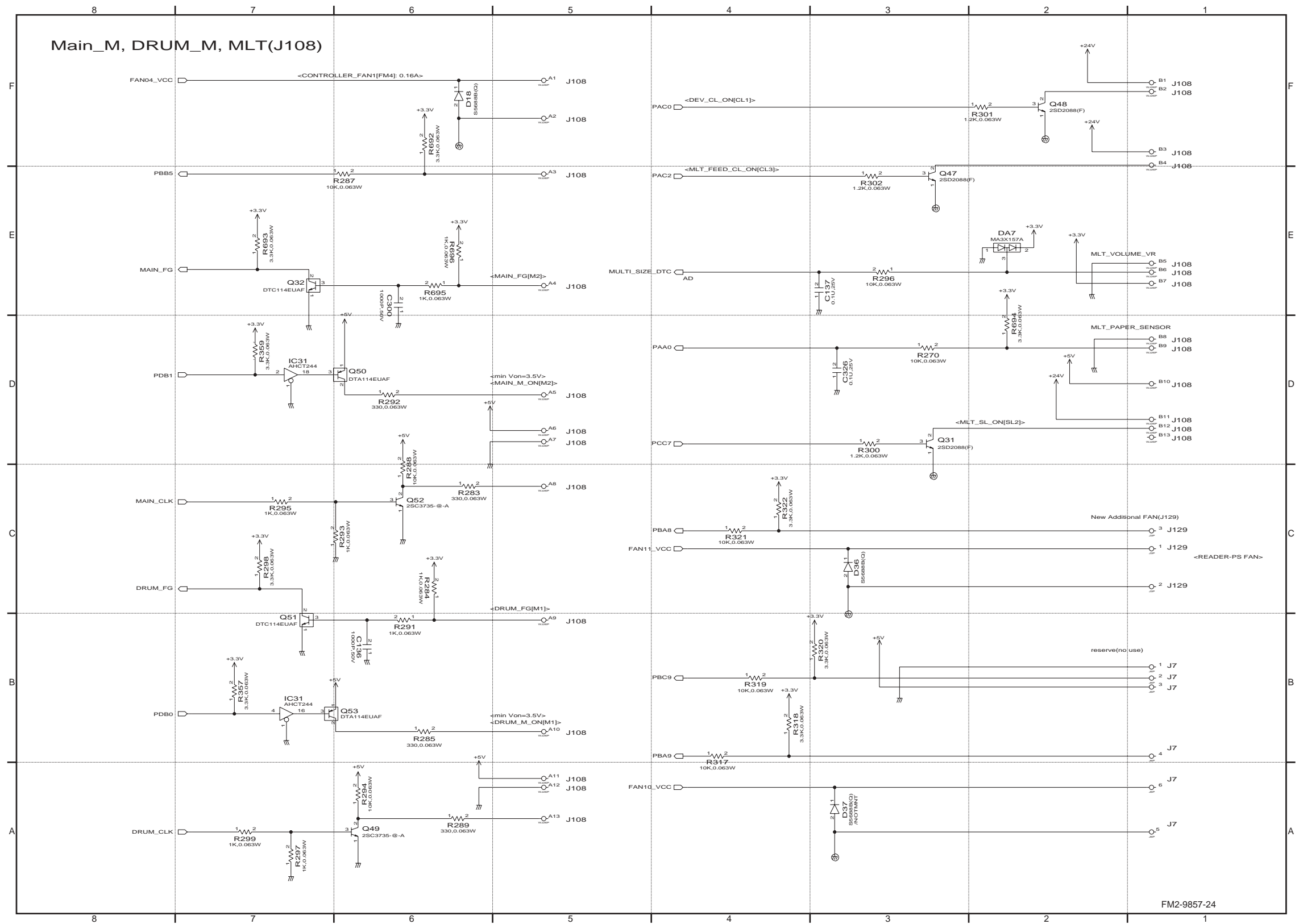
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-1-21

DC Controller PCB (22/35)

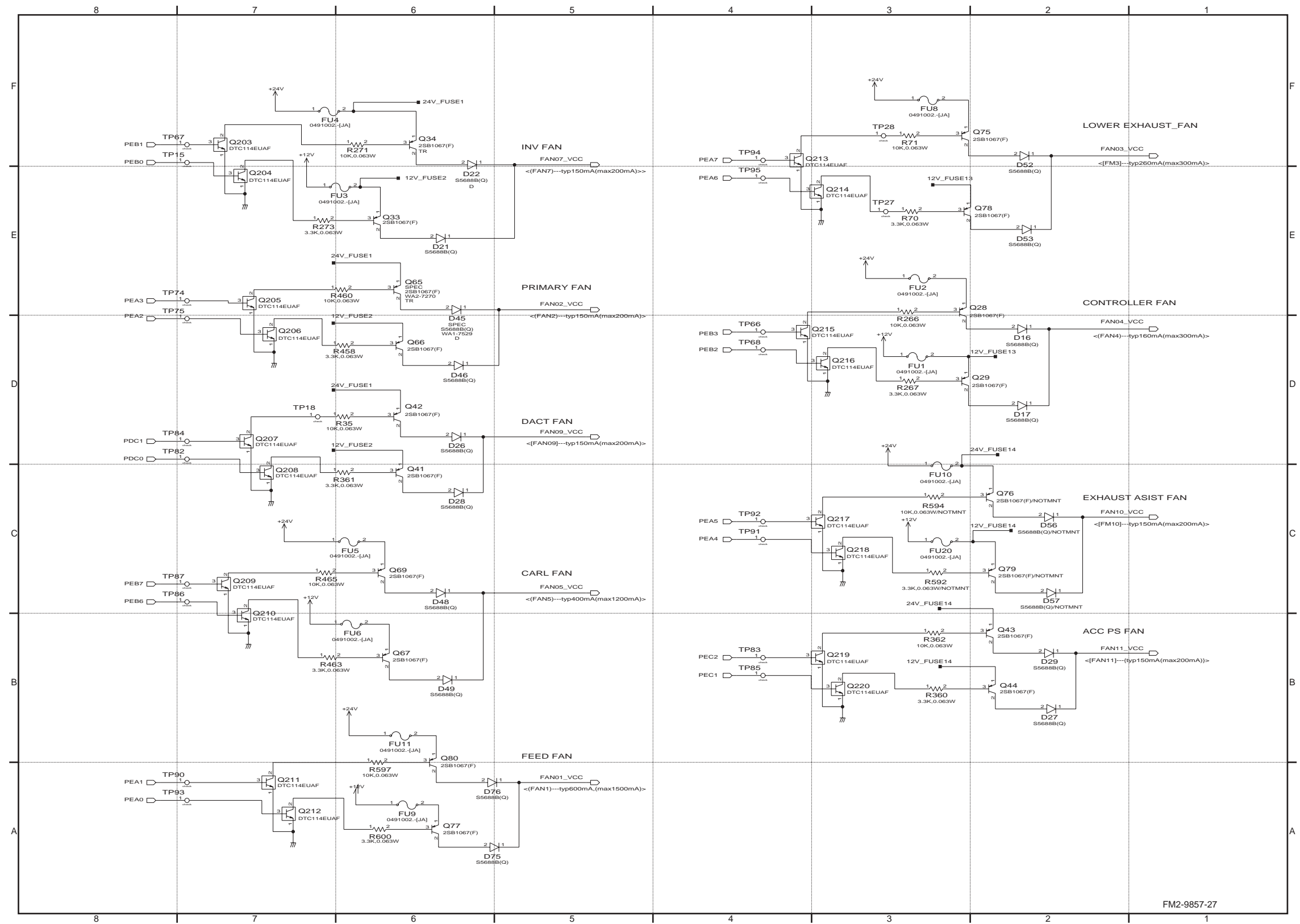
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-1-24

DC Controller PCB (25/35)

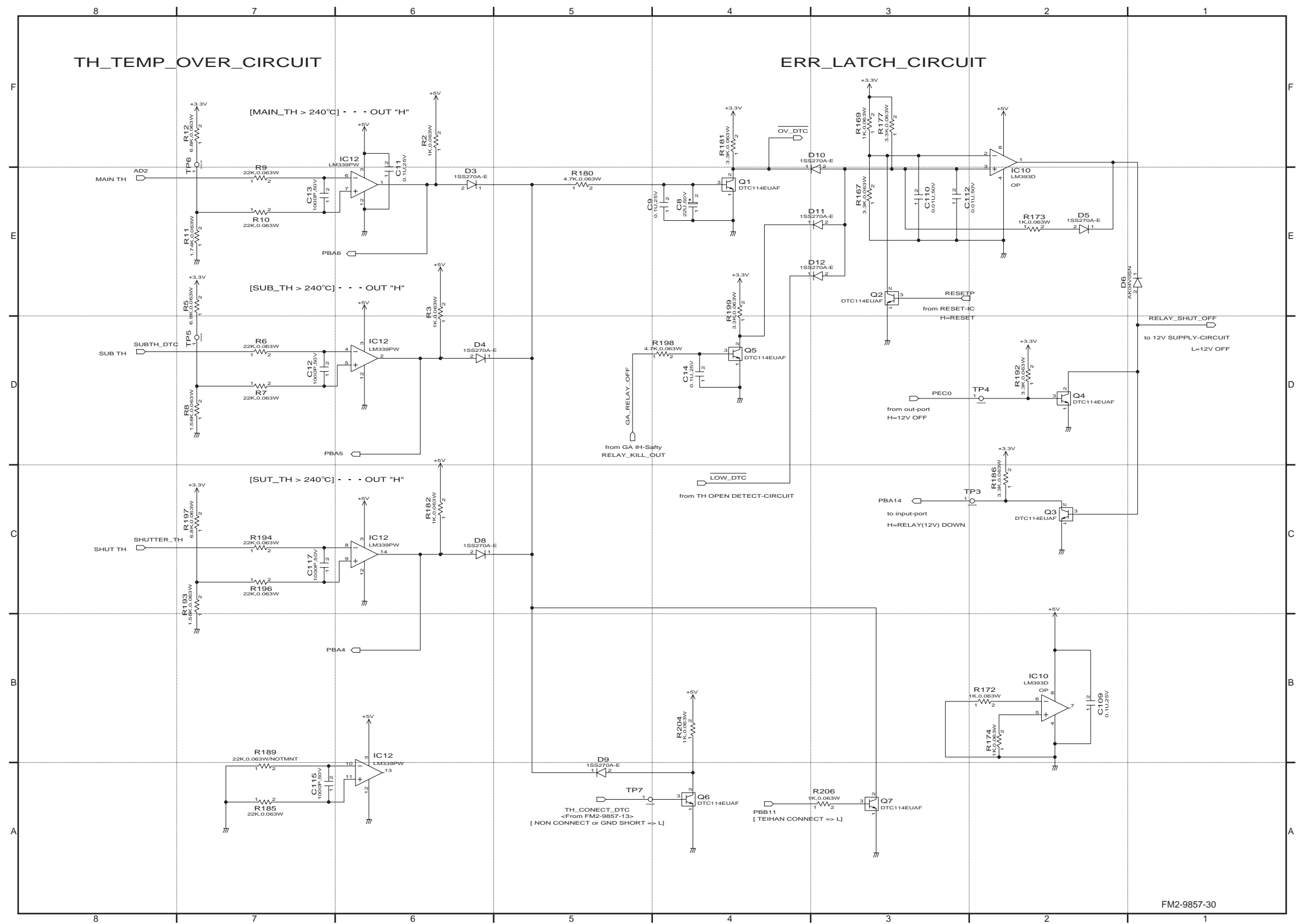
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-1-27

DC Controller PCB (28/35)

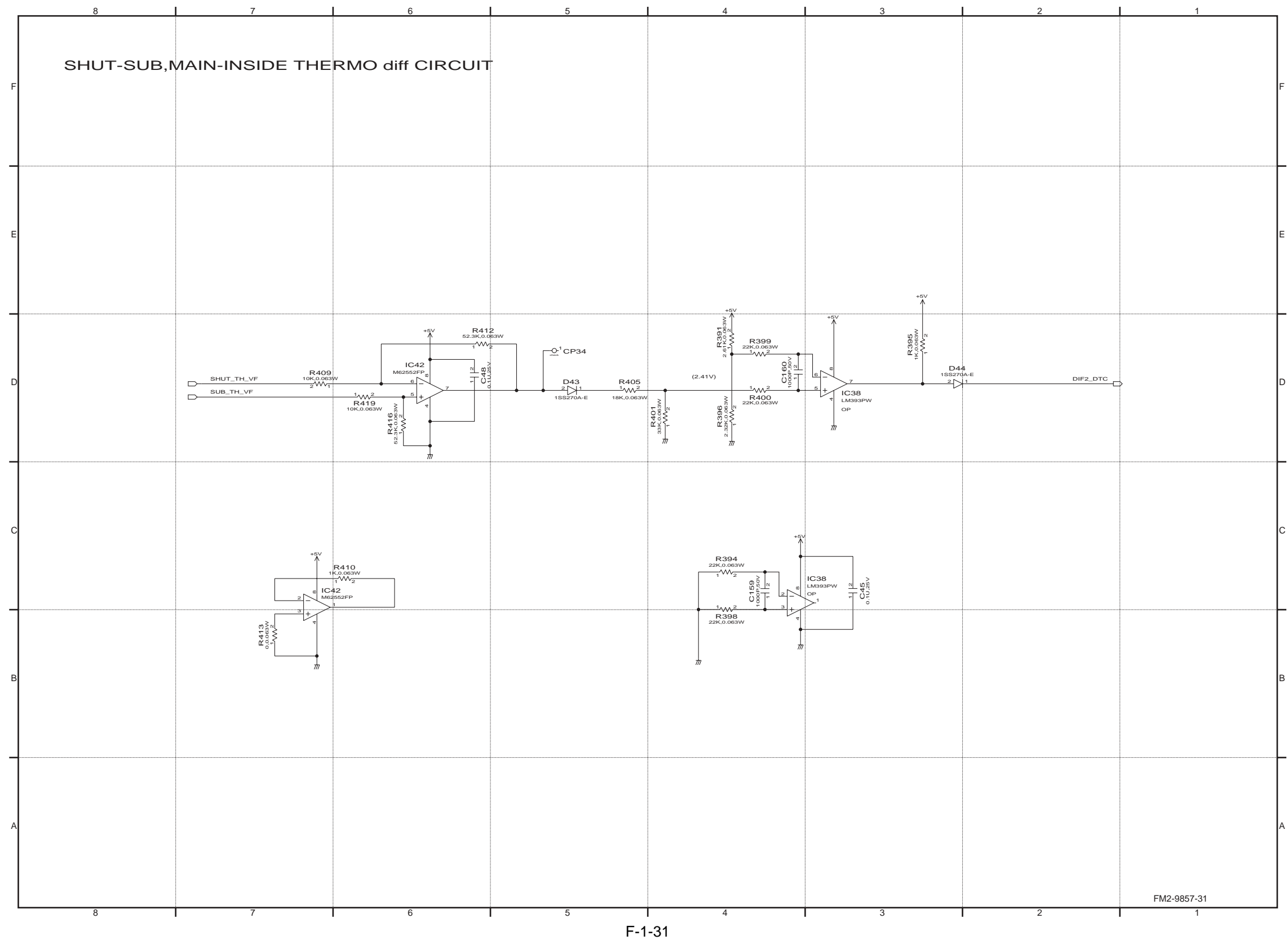
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-1-30

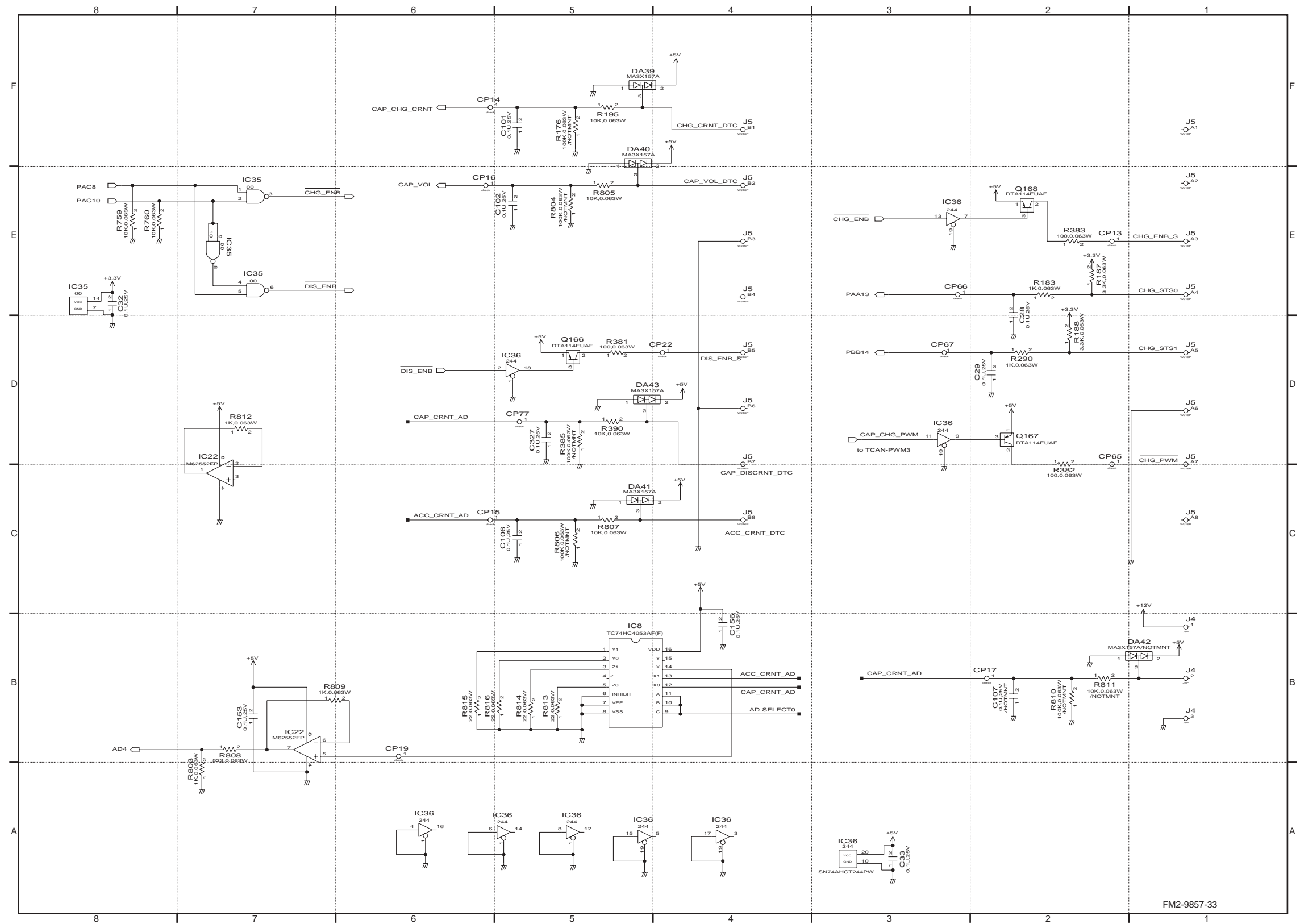
DC Controller PCB (31/35)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



DC Controller PCB (32/35)

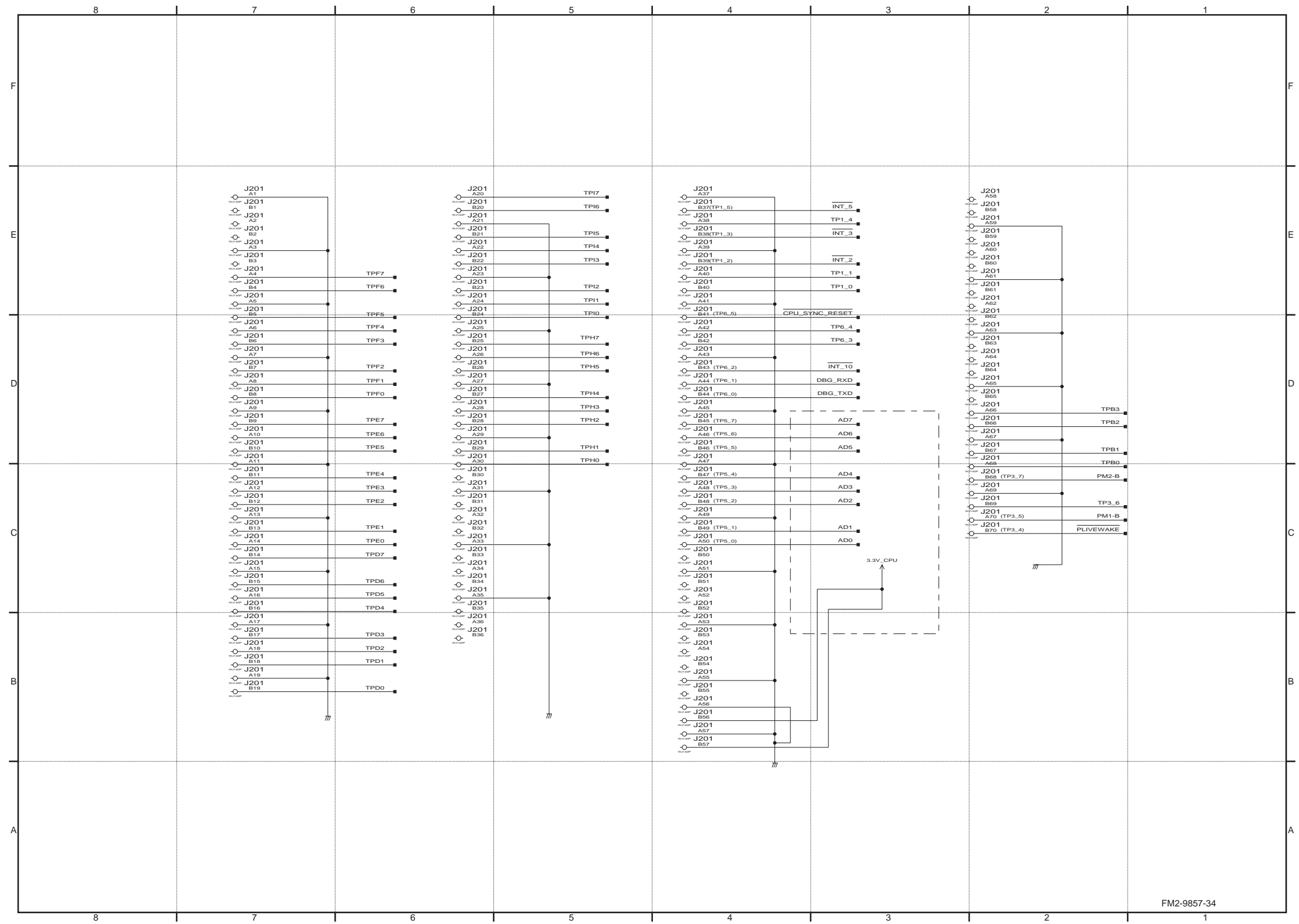
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



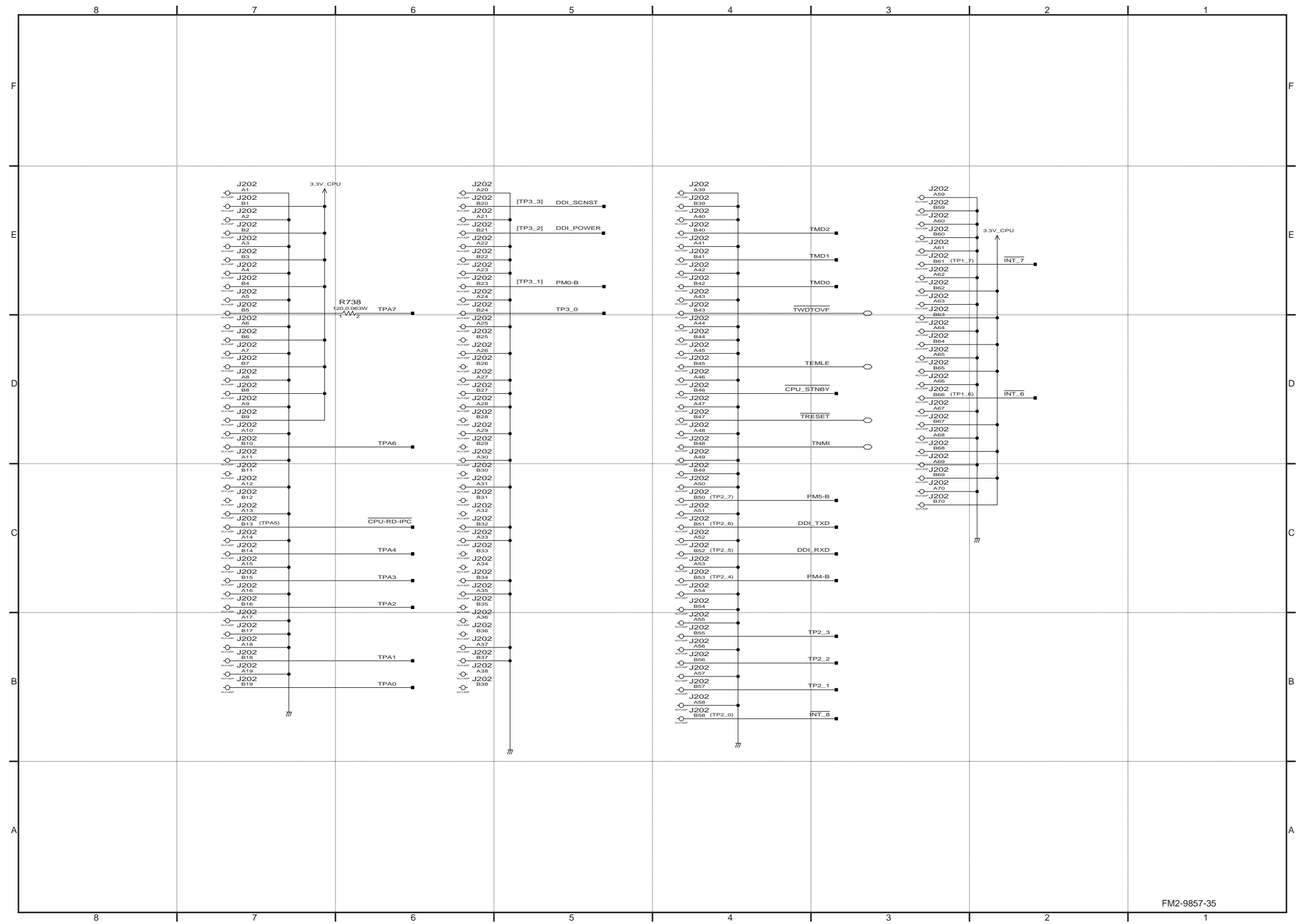
F-1-33

DC Controller PCB (34/35)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

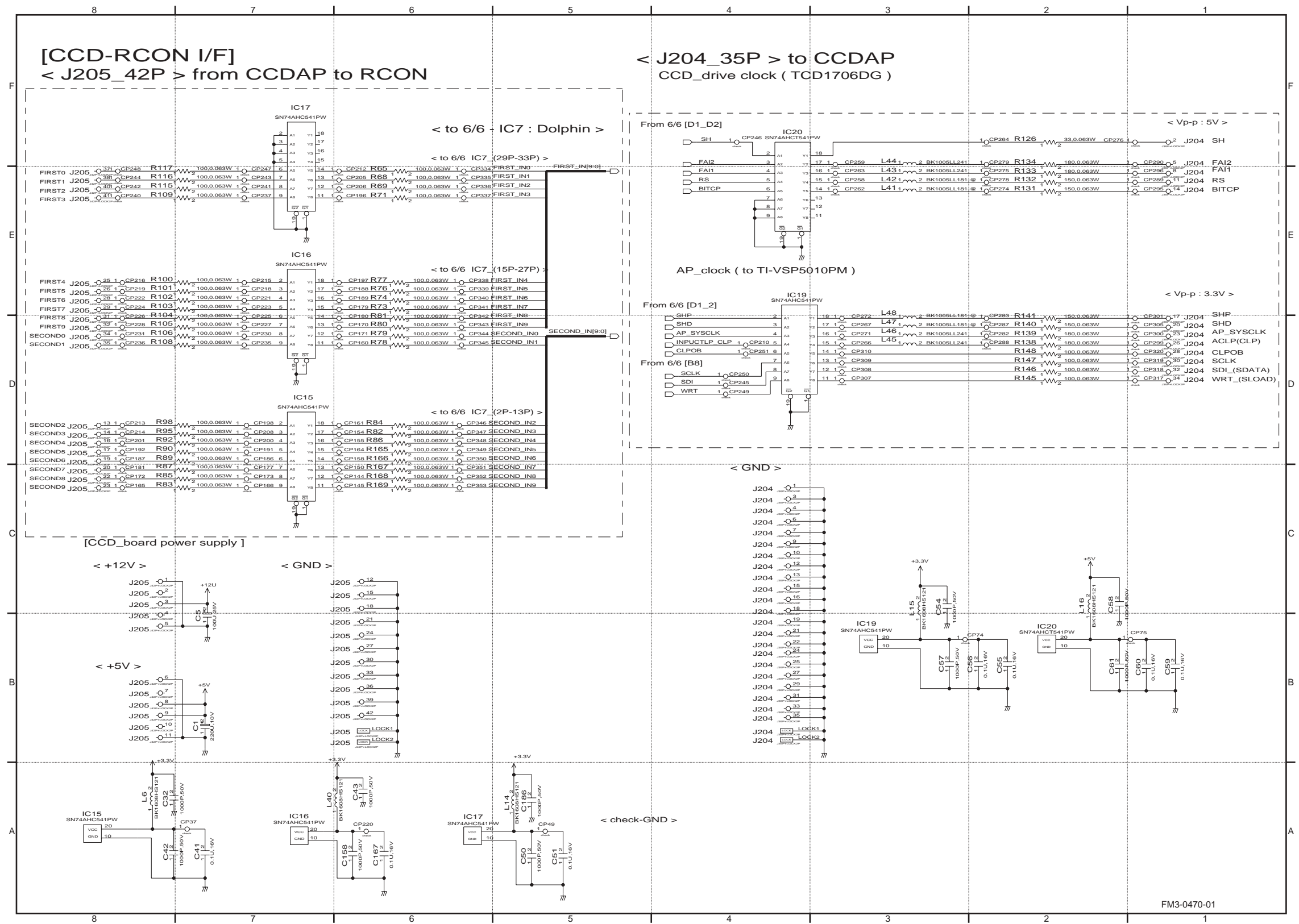


DC Controller PCB (35/35)
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-1-35

Reader Controller PCB
 Reader Controller PCB (1/5)
 iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

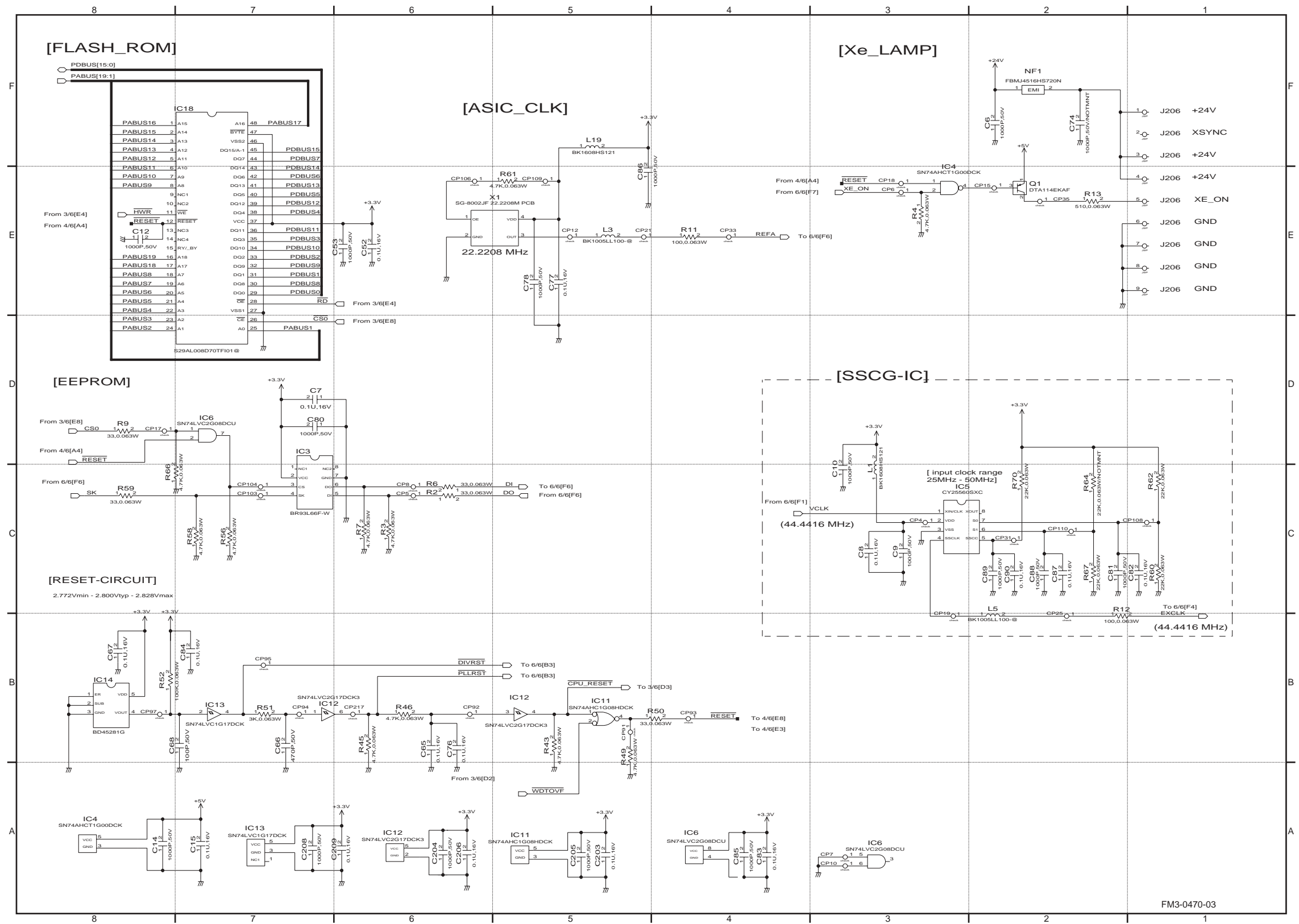


F-1-36

Reader Controller PCB (2/5)

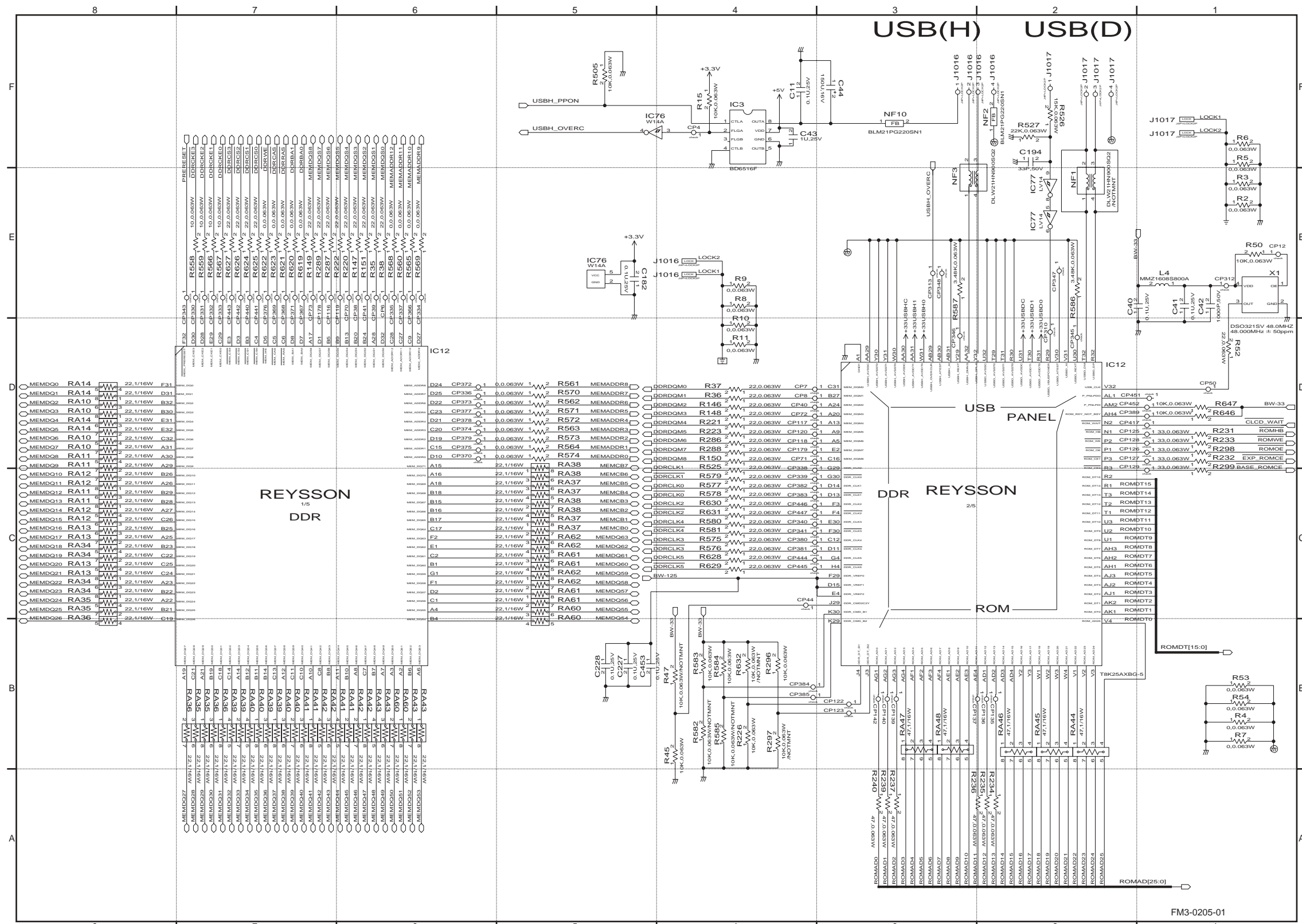
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N





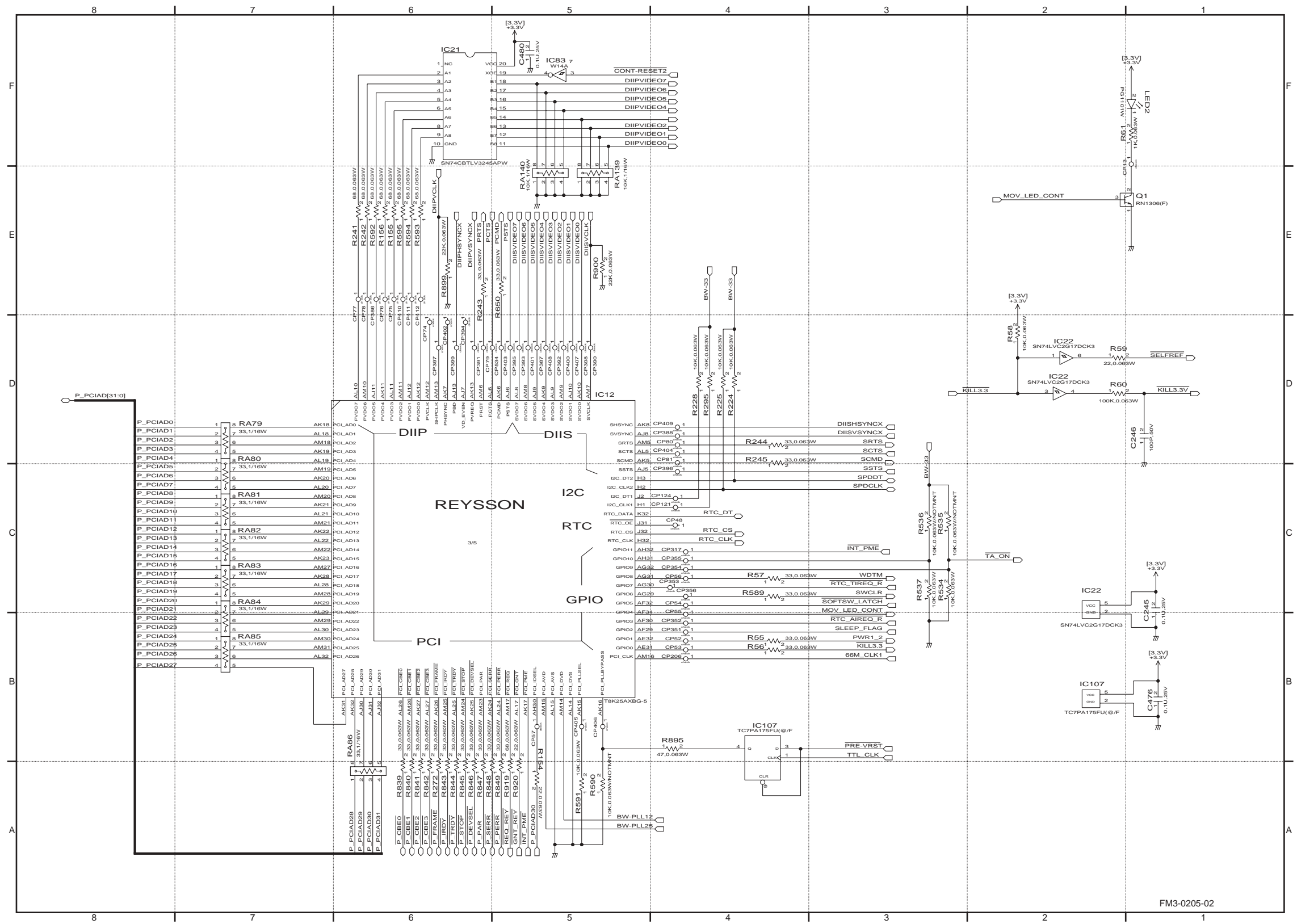
Reader Controller PCB (4/5)
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N





Main Controller PCB (2/23)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

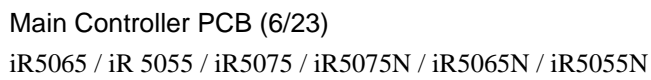


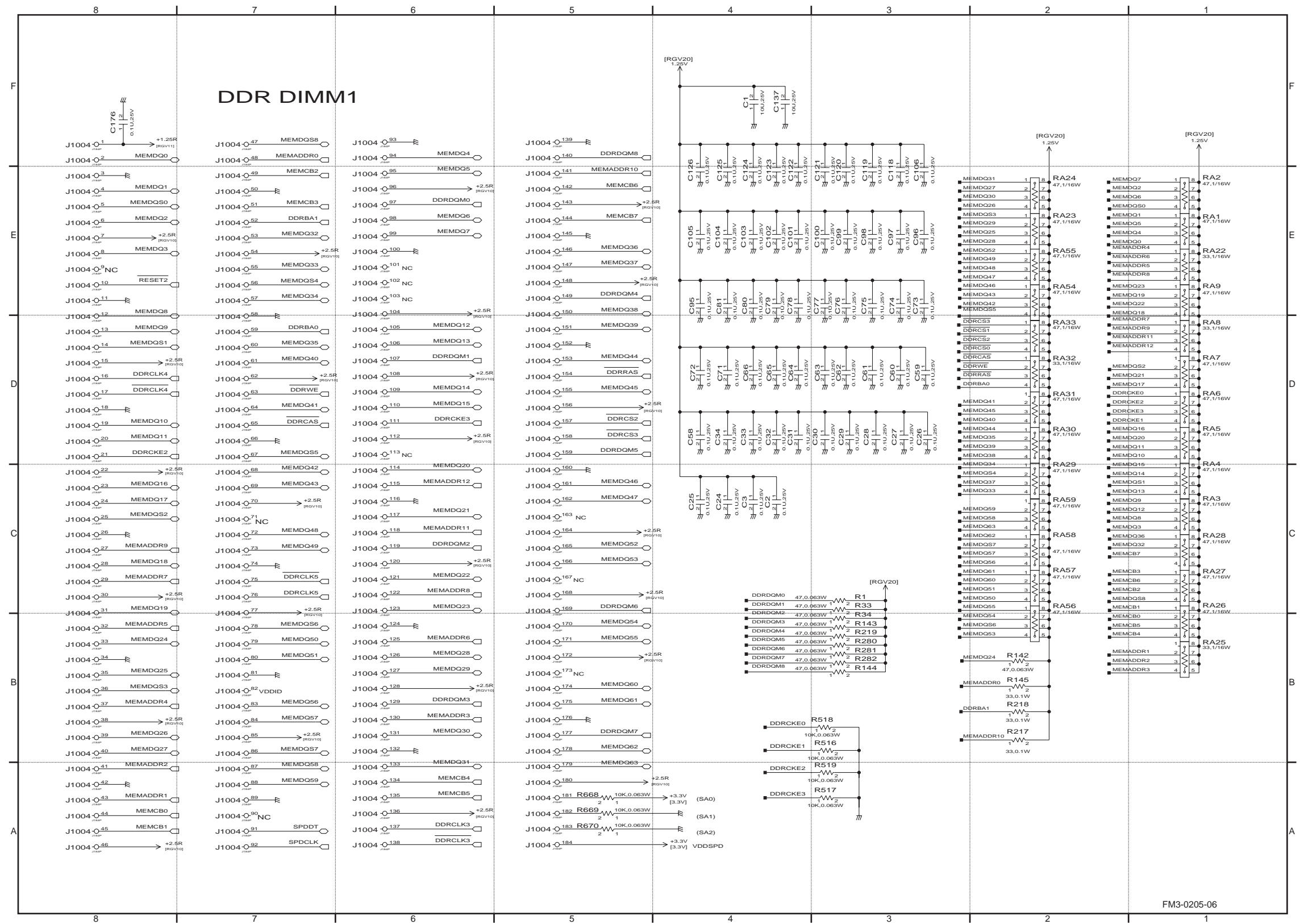
Main Controller PCB (3/23)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

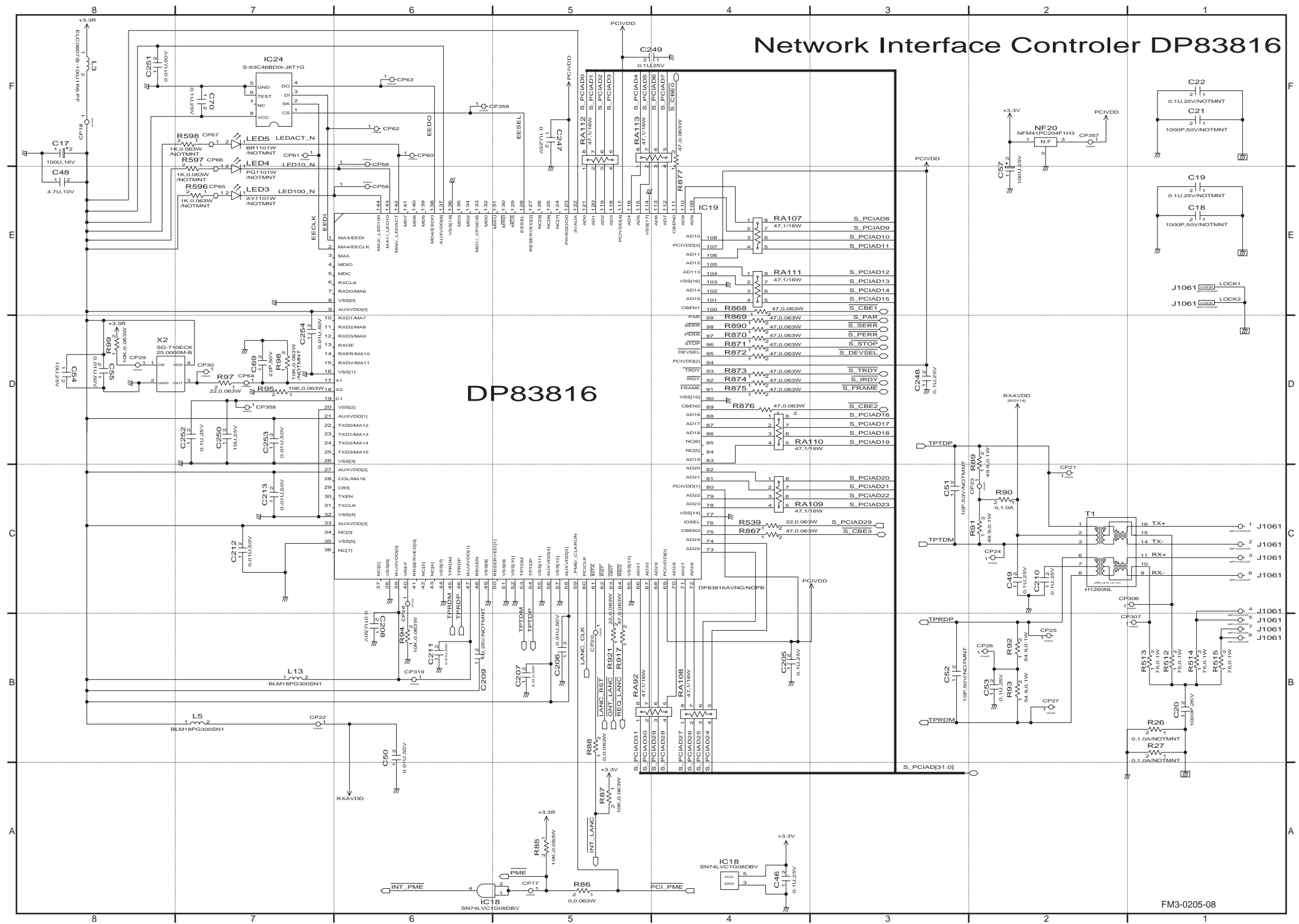




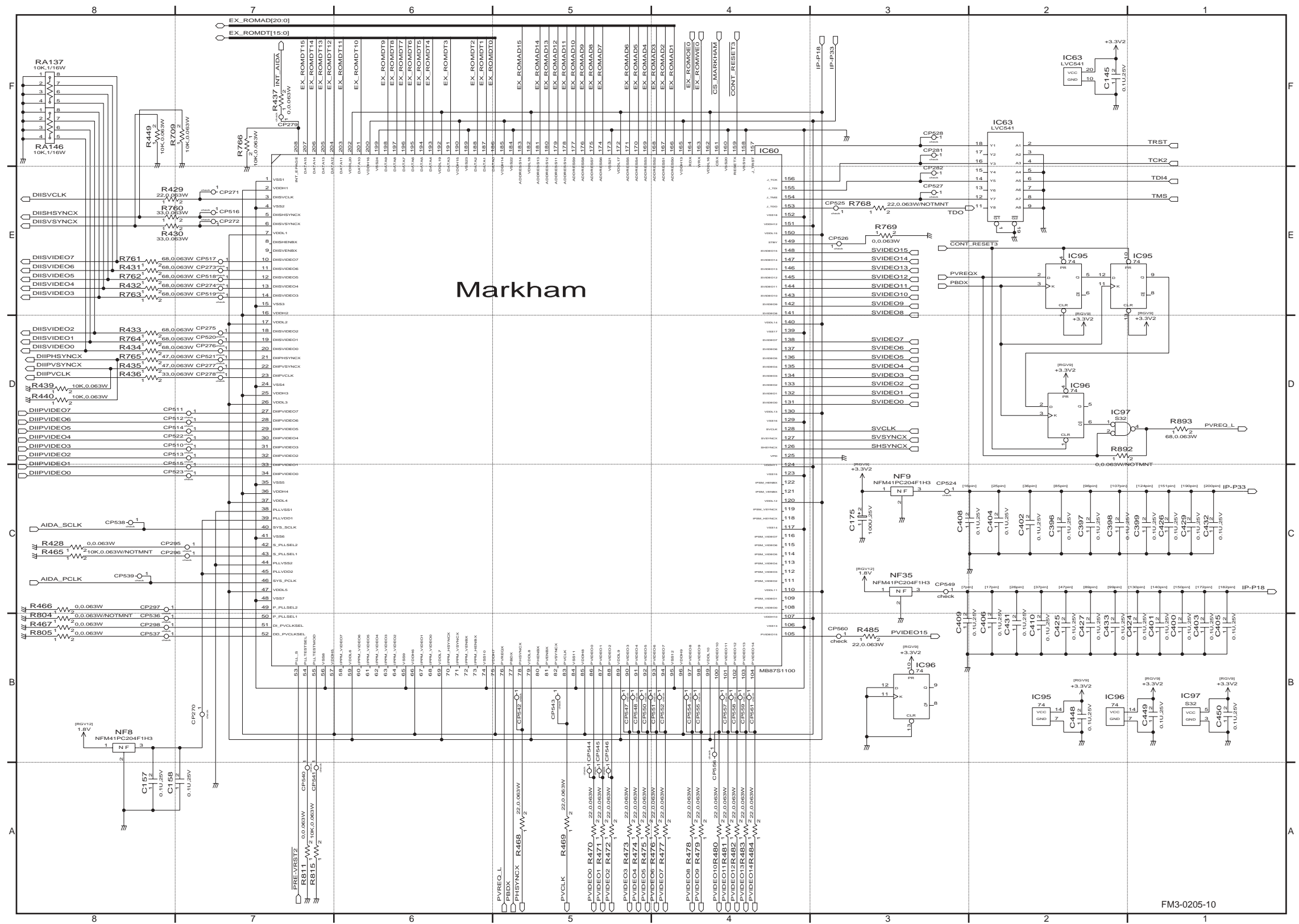
F-1-46

Main Controller PCB (7/23)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

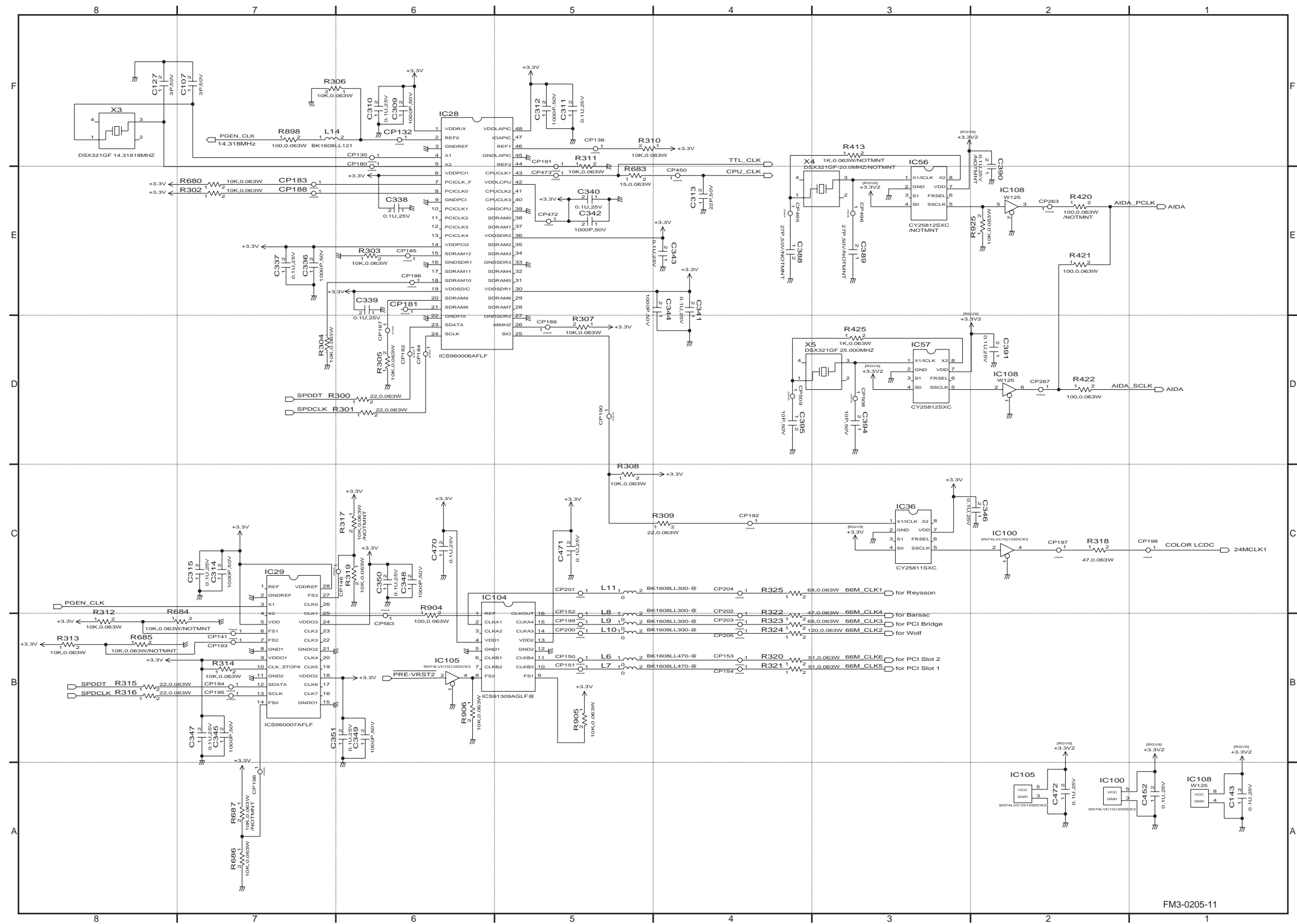


Main Controller PCB (9/23)
 iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



Main Controller PCB (11/23)

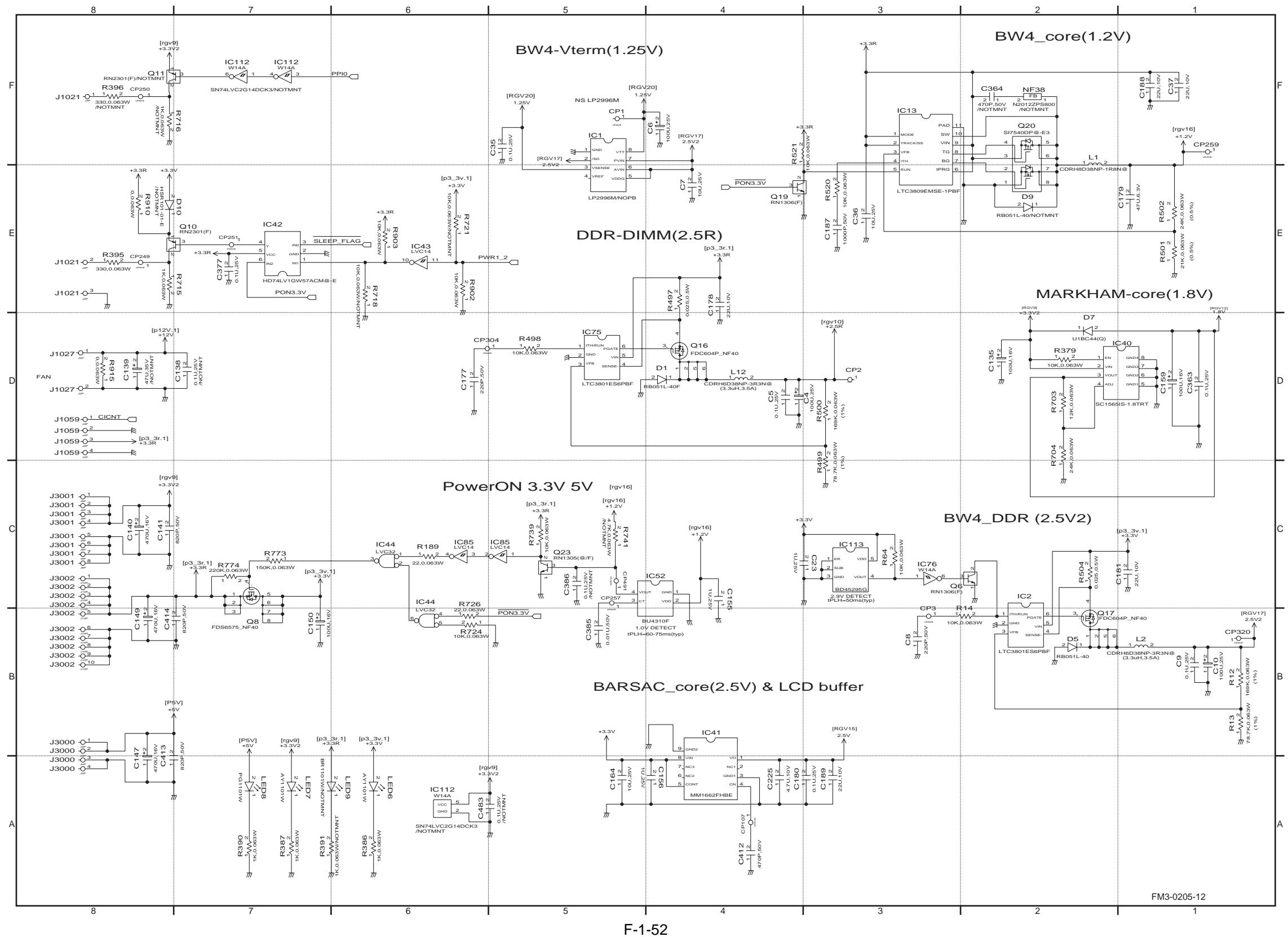
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



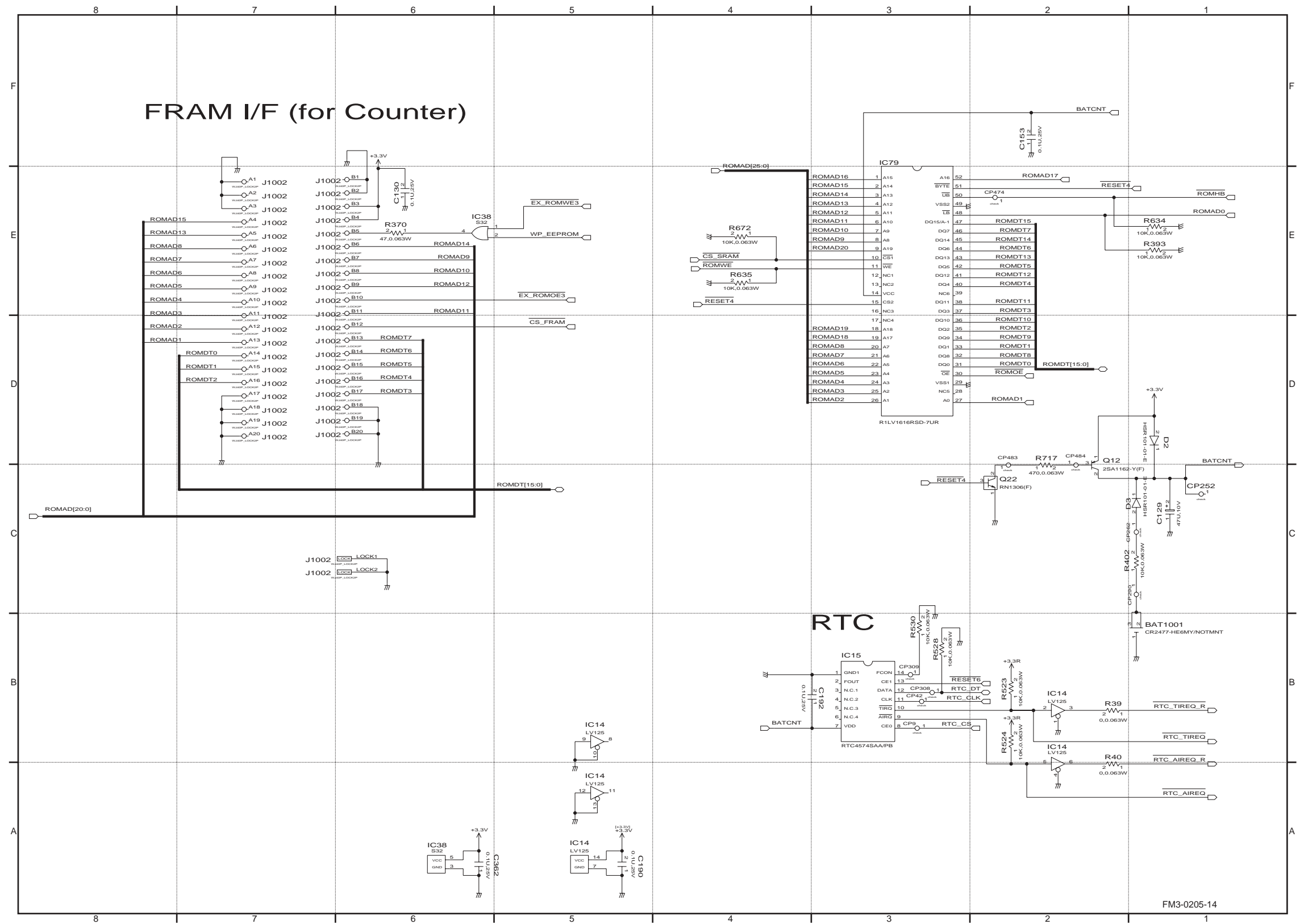
F-1-51

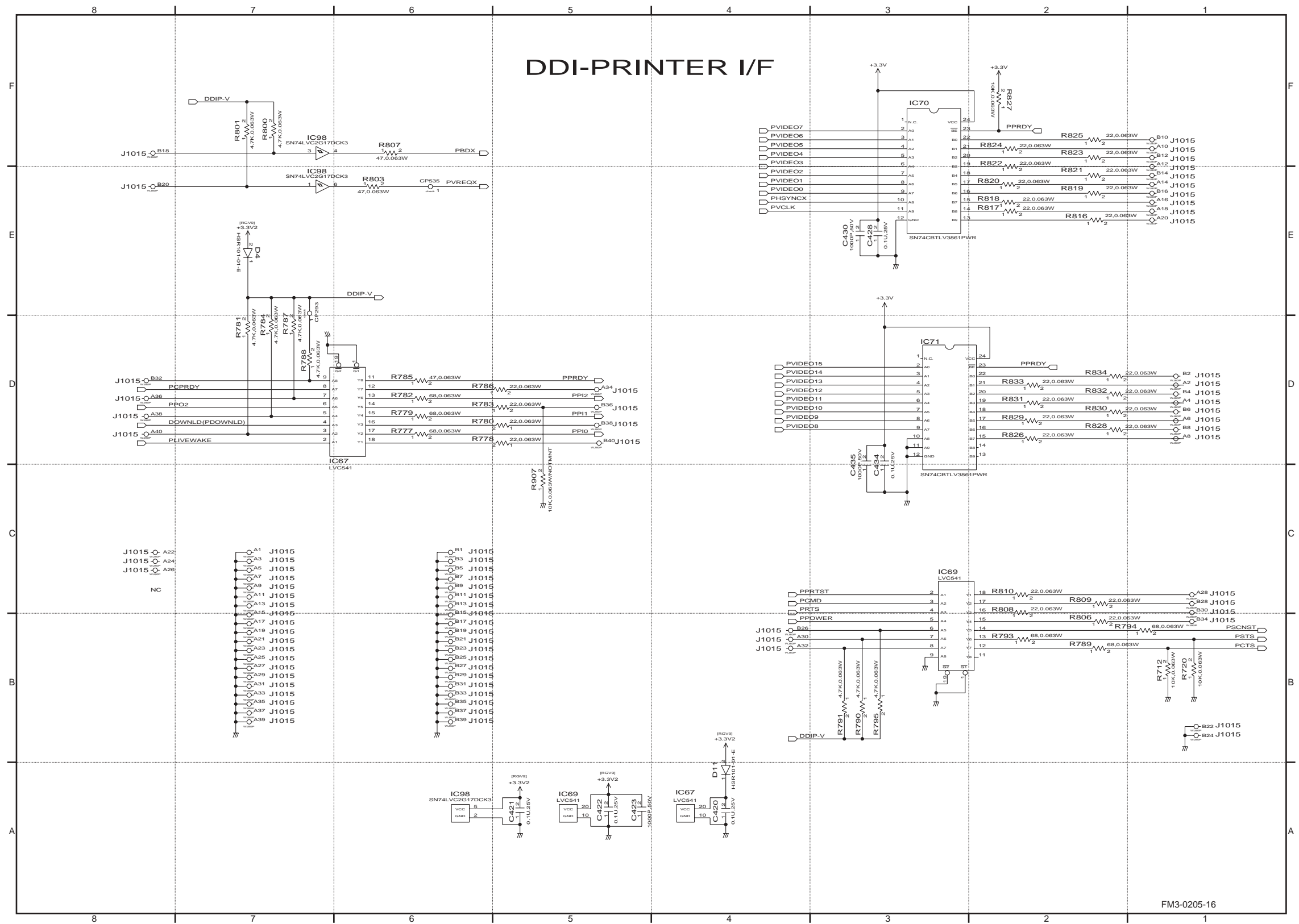
Main Controller PCB (12/23)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



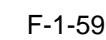
Main Controller PCB (13/23)
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N





Main Controller PCB (17/23)

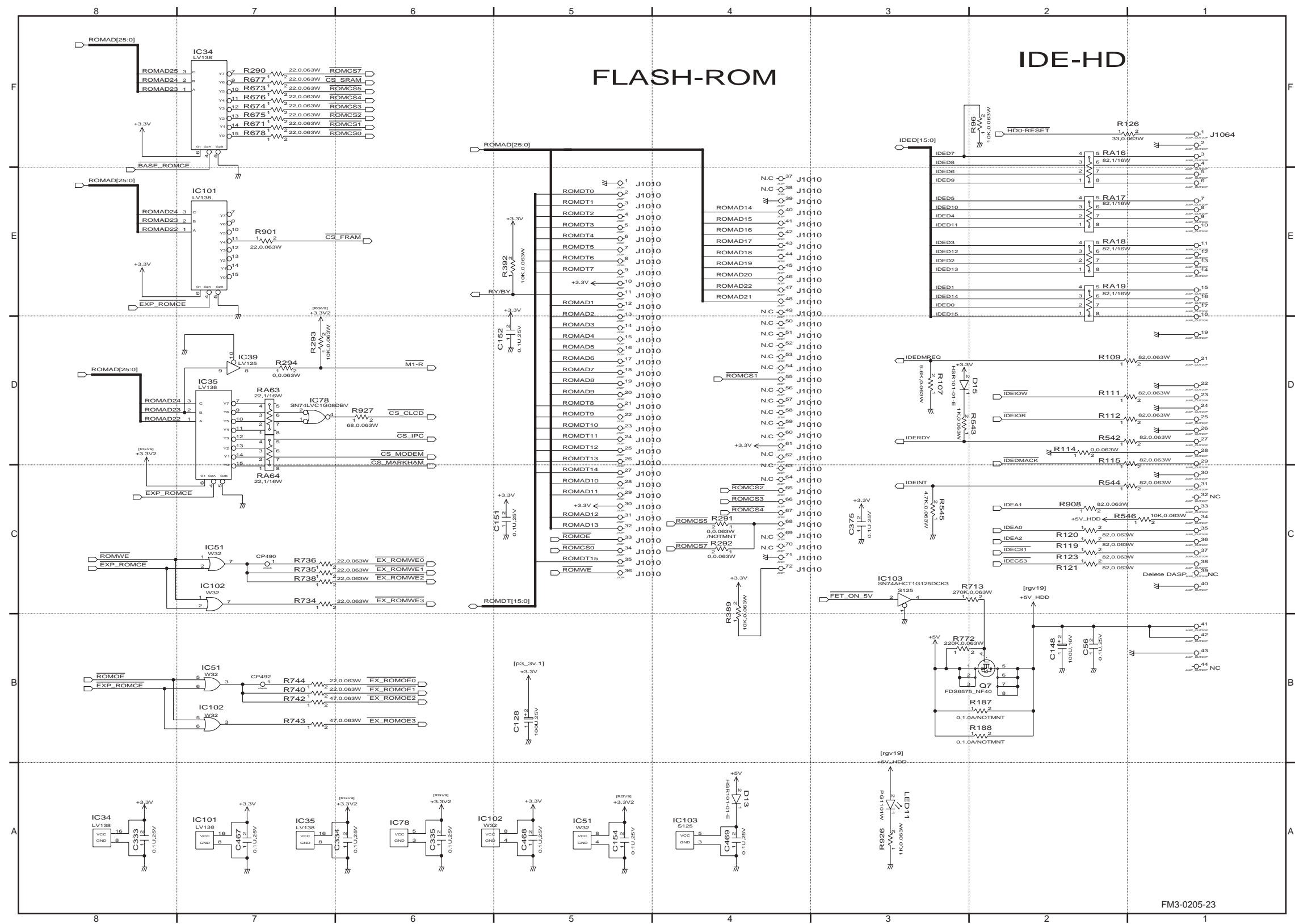
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

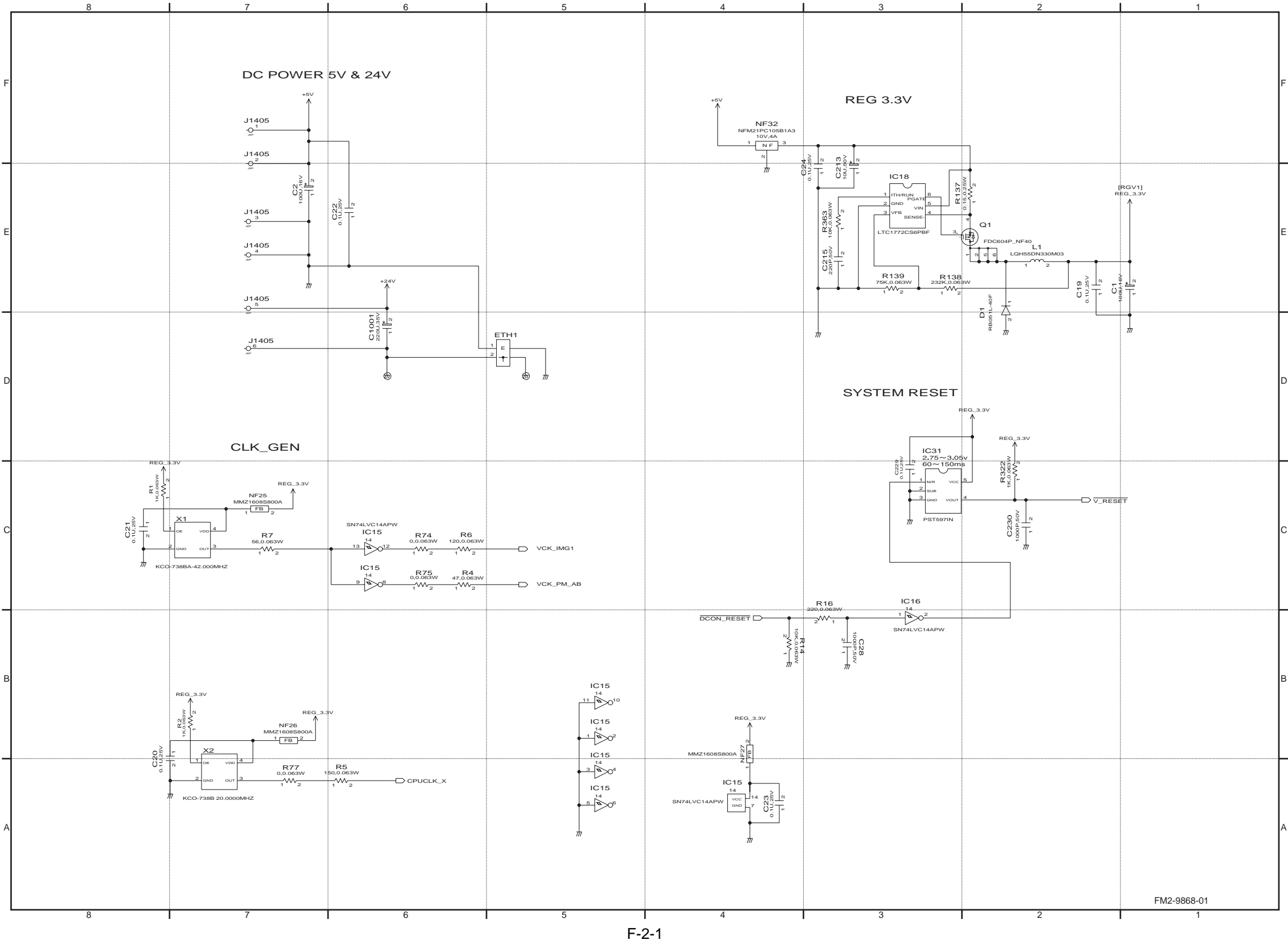


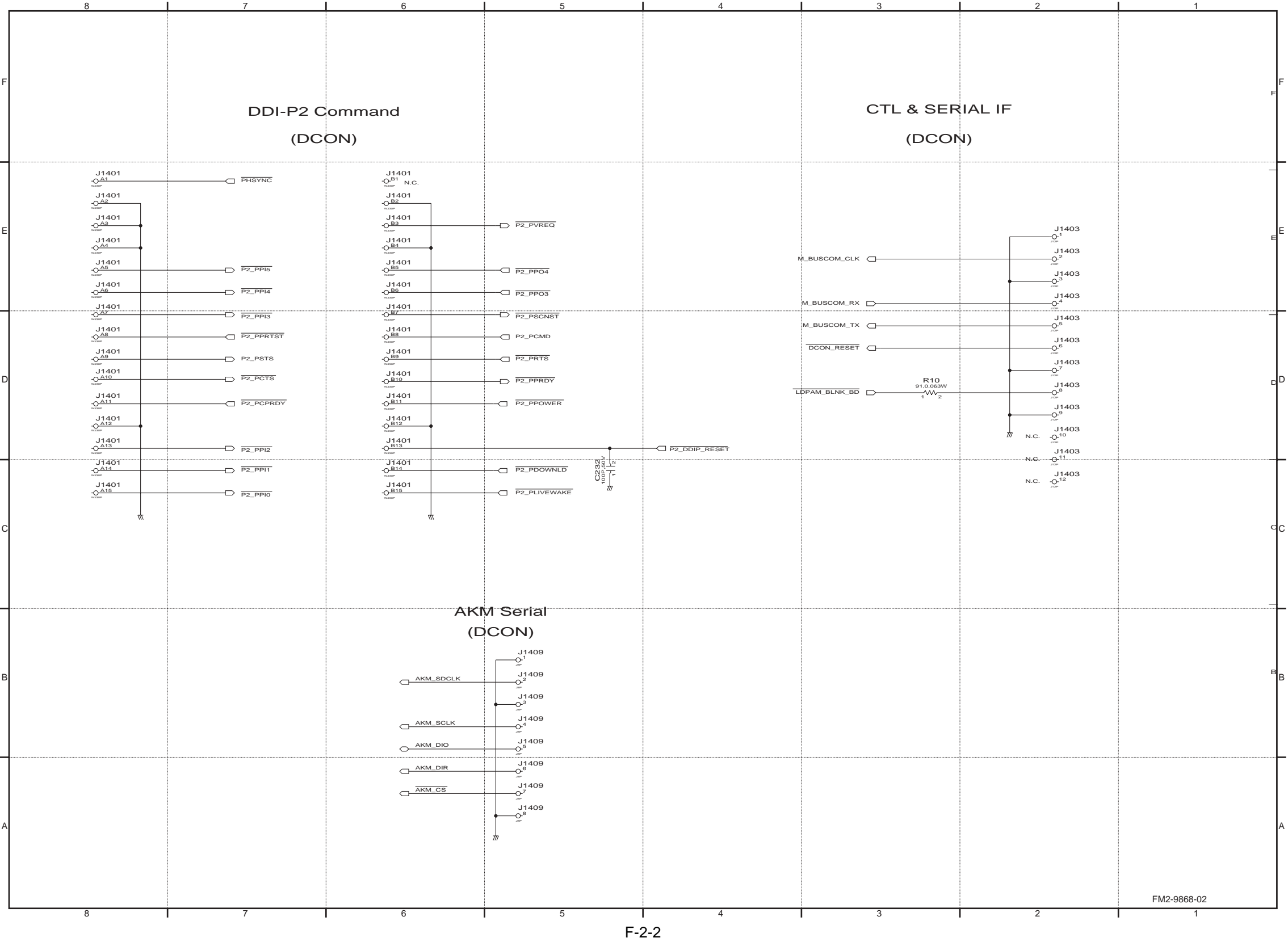
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

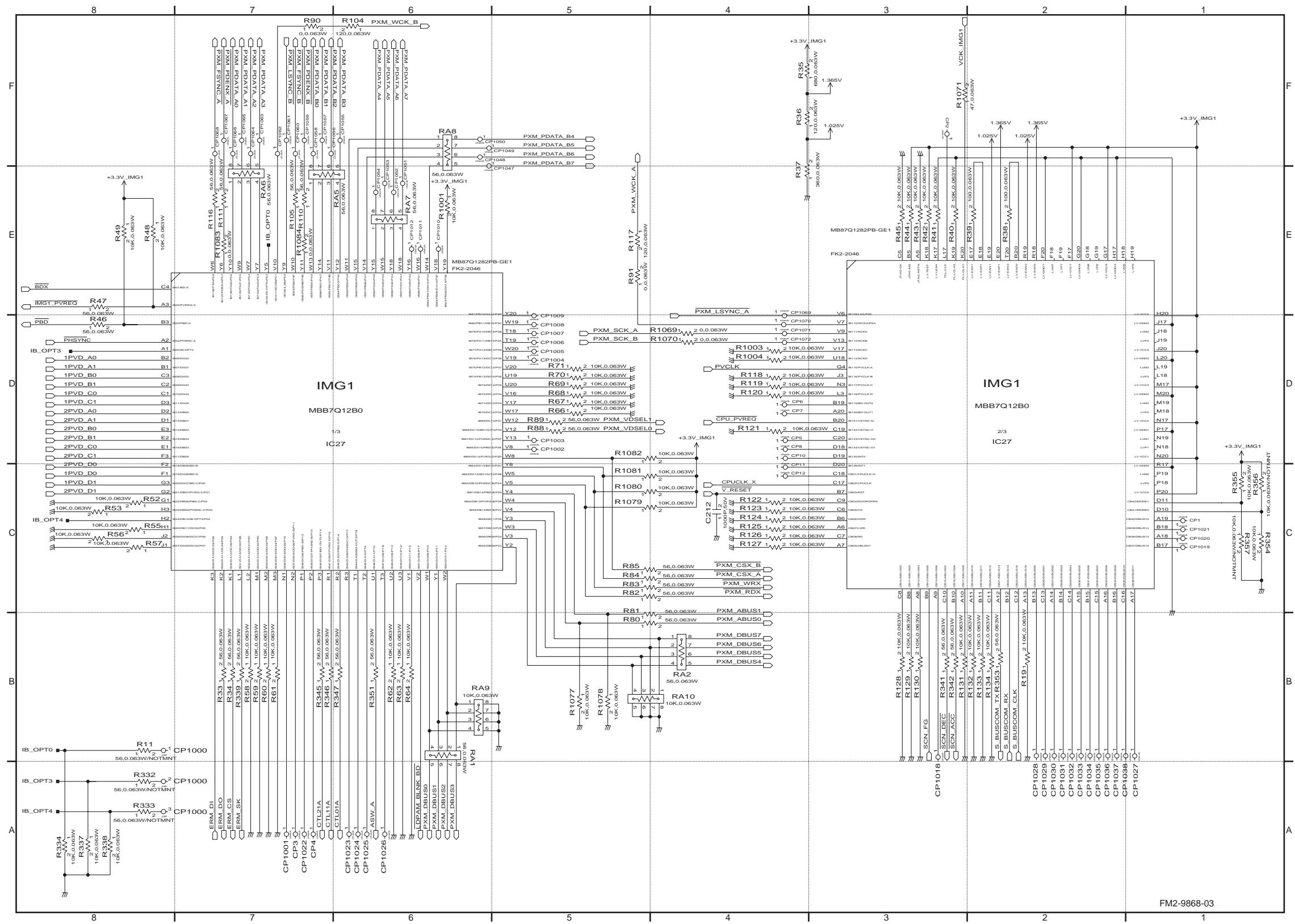


61









F-2-3

Video Controller PCB (4/10)

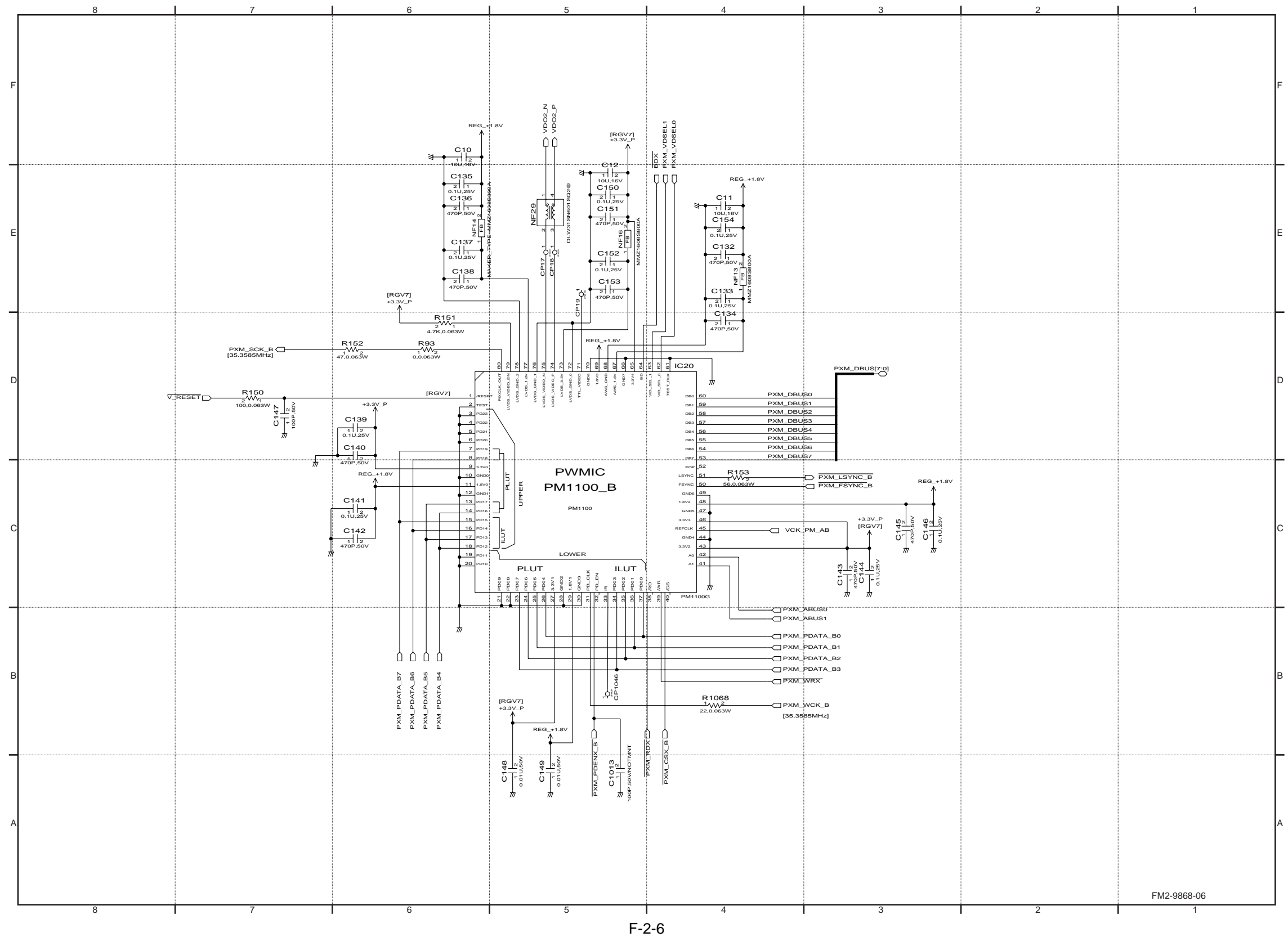
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-2-5

Video Controller PCB (6/10)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



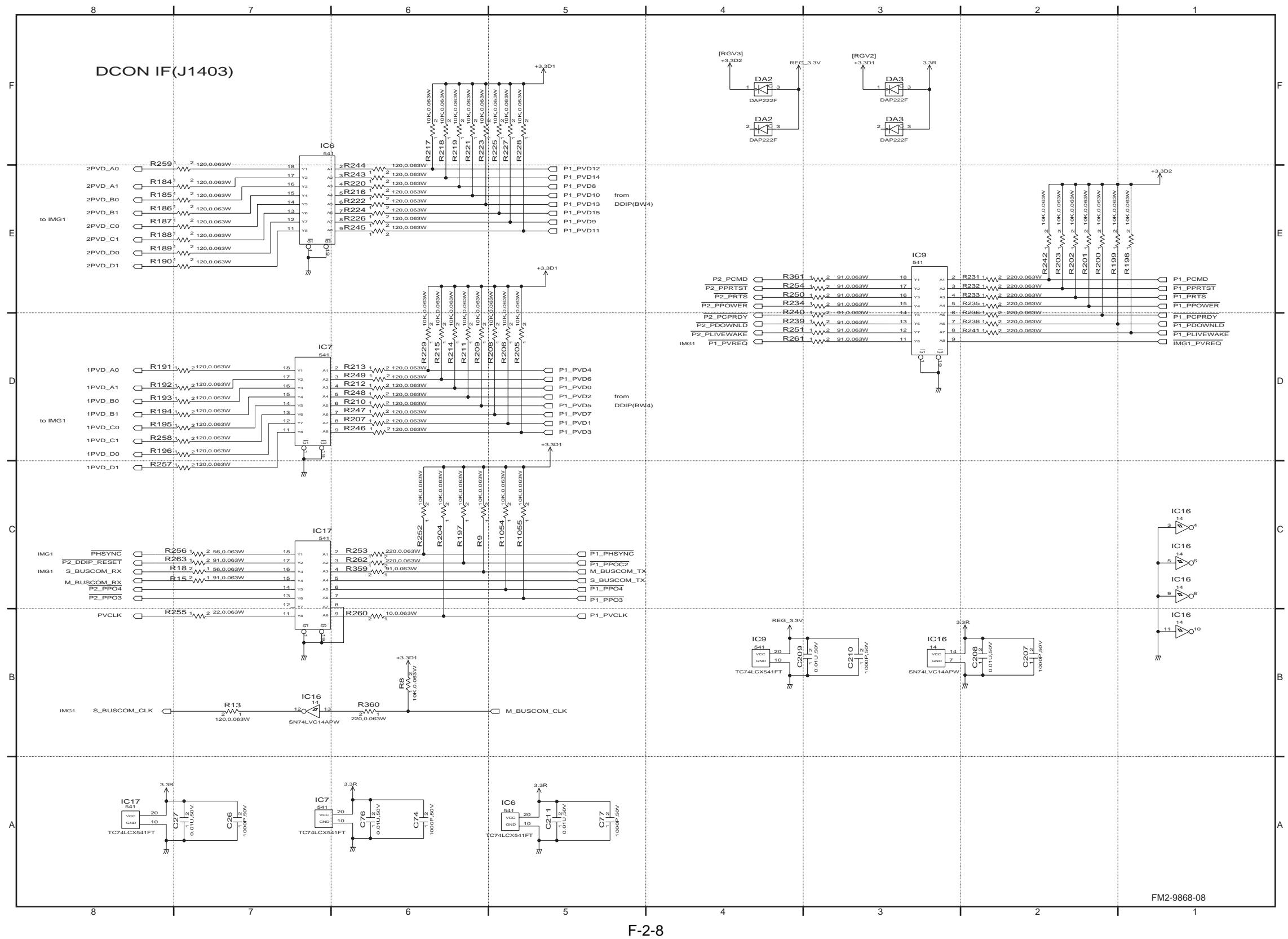
F-2-6

Video Controller PCB (7/10)

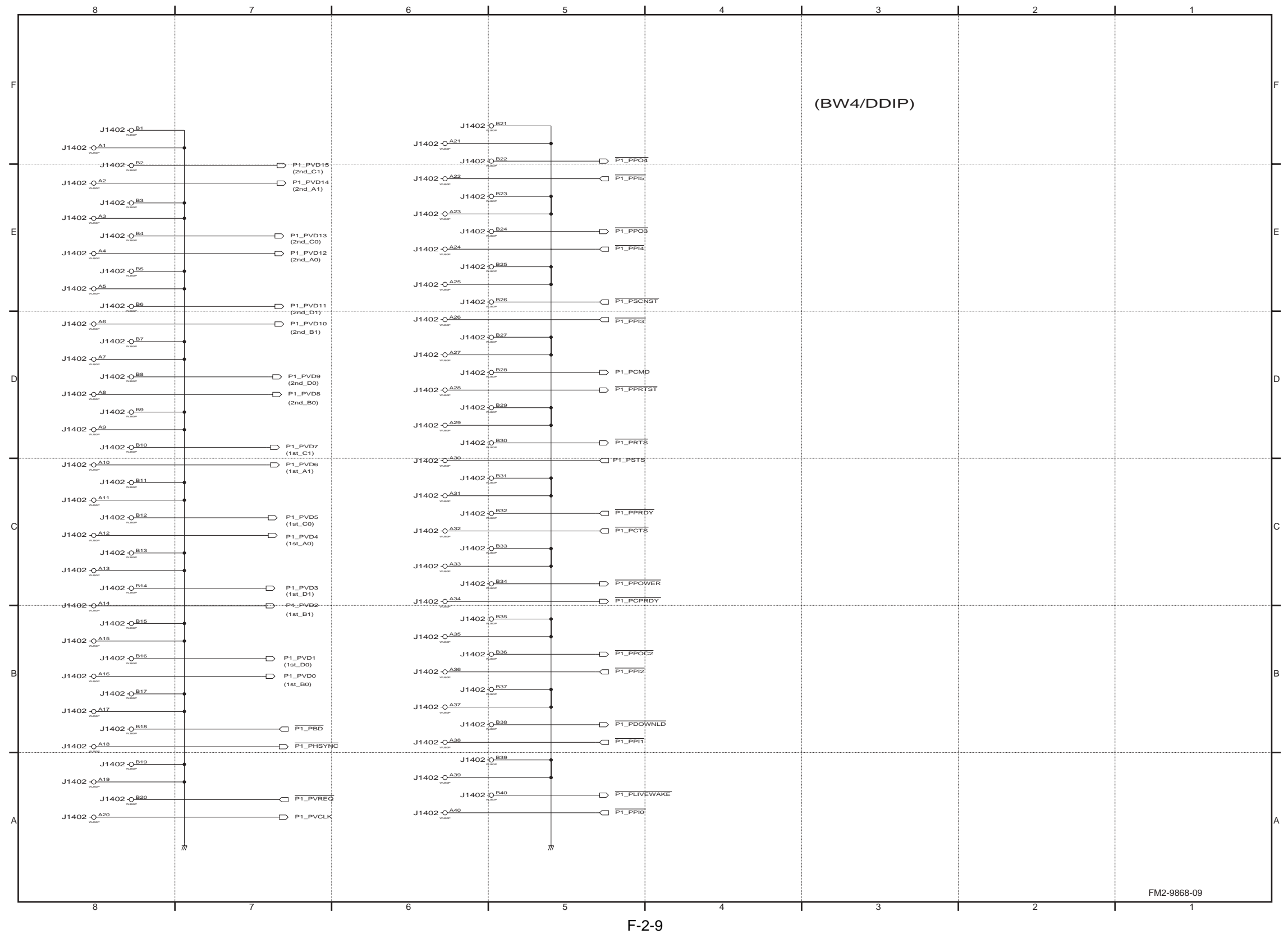
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



FM2-9868-07

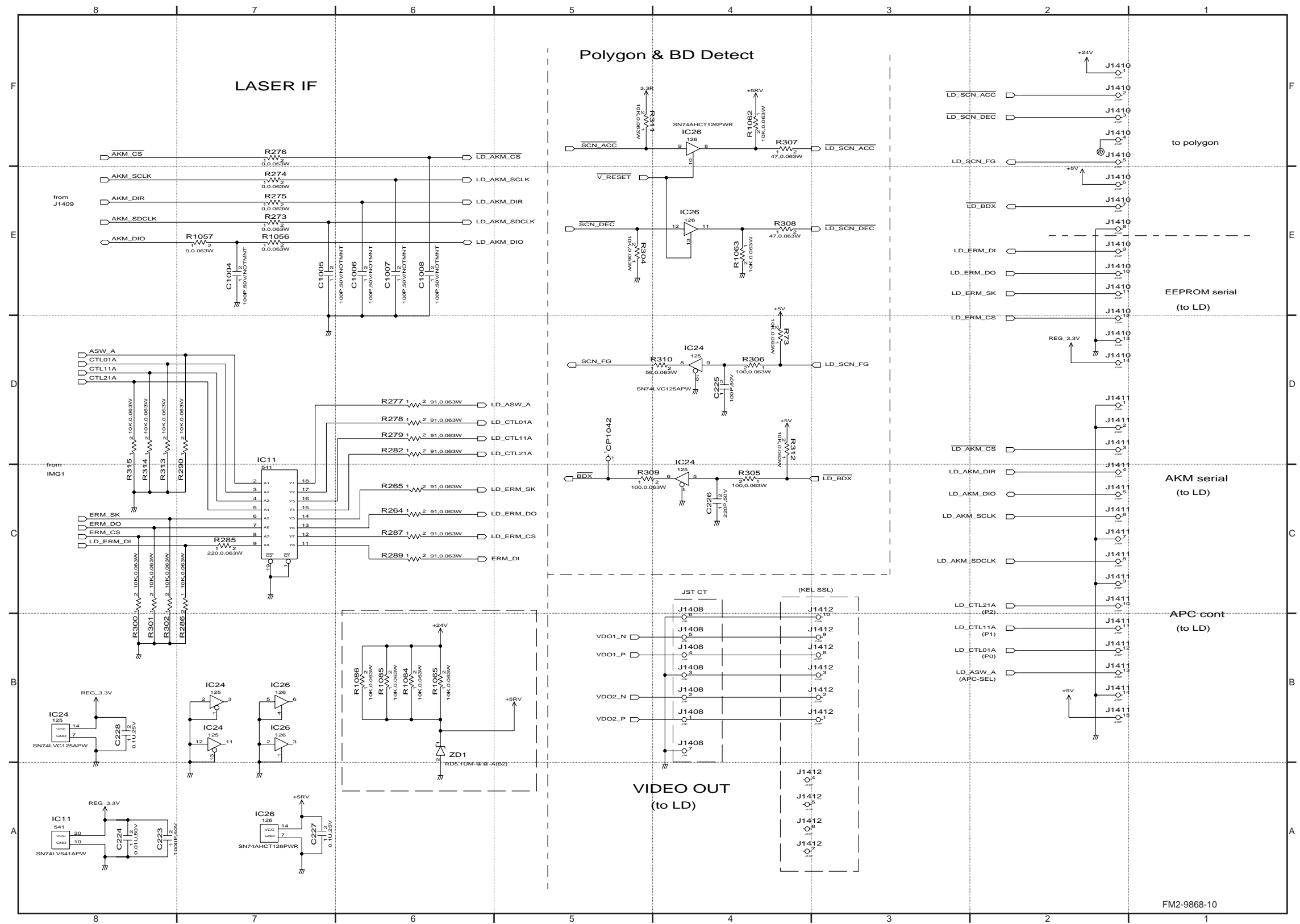


Video Controller PCB (9/10)
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



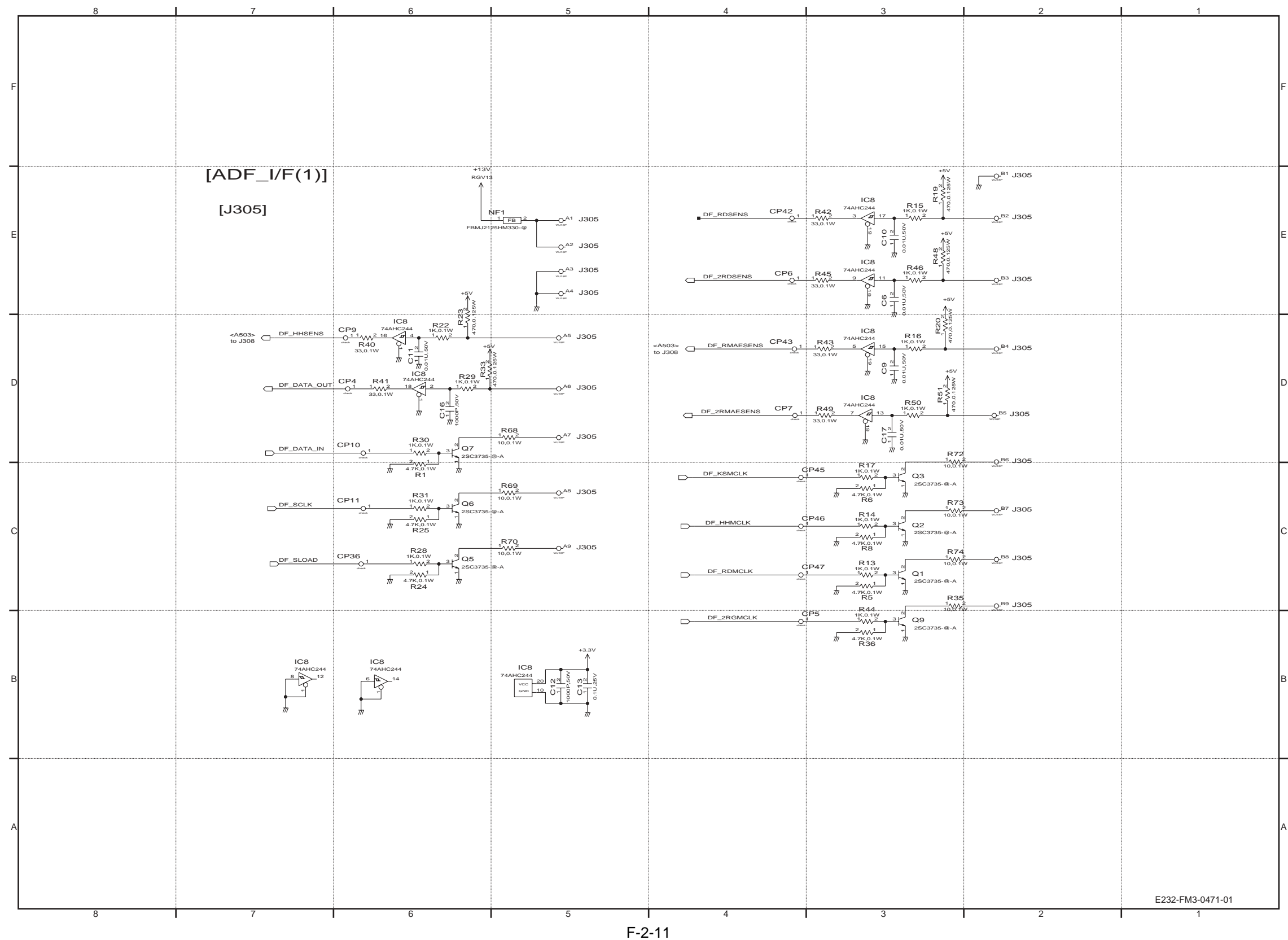
Video Controller PCB (10/10)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-2-10

Interface PCB
Interface PCB (1/4)
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

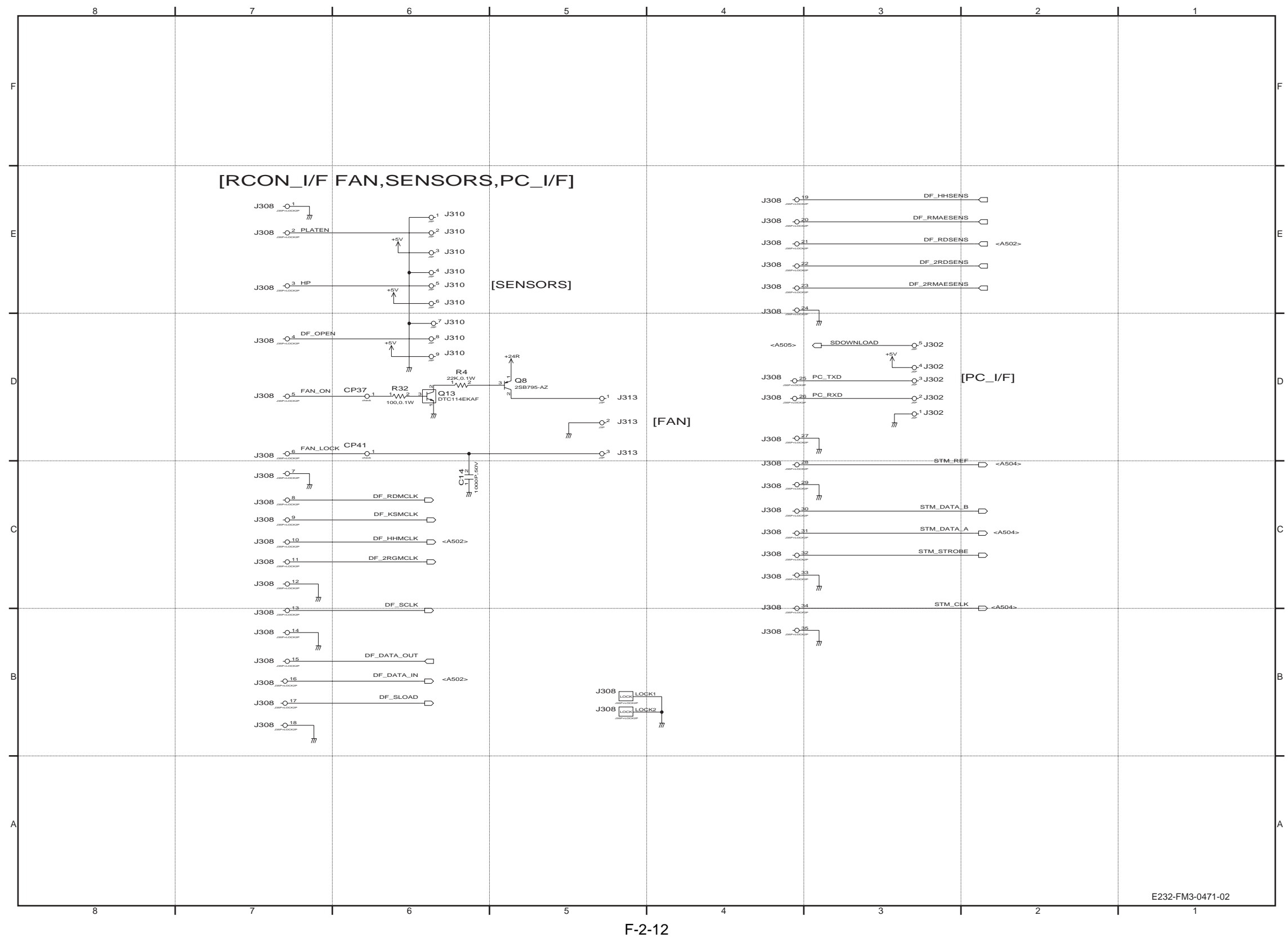


E232-FM3-0471-01

F-2-11

Interface PCB (2/4)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

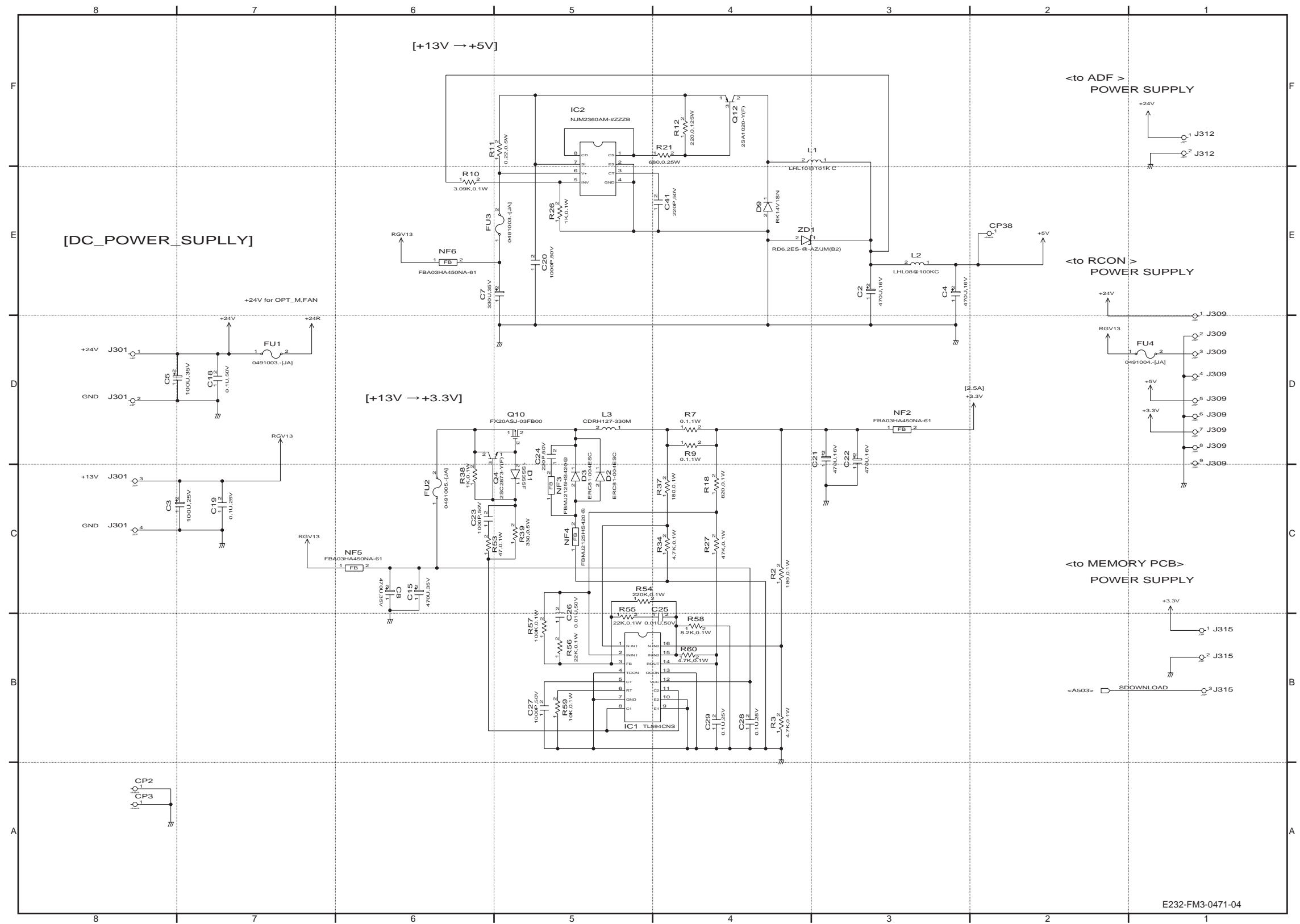


E232-FM3-0471-02

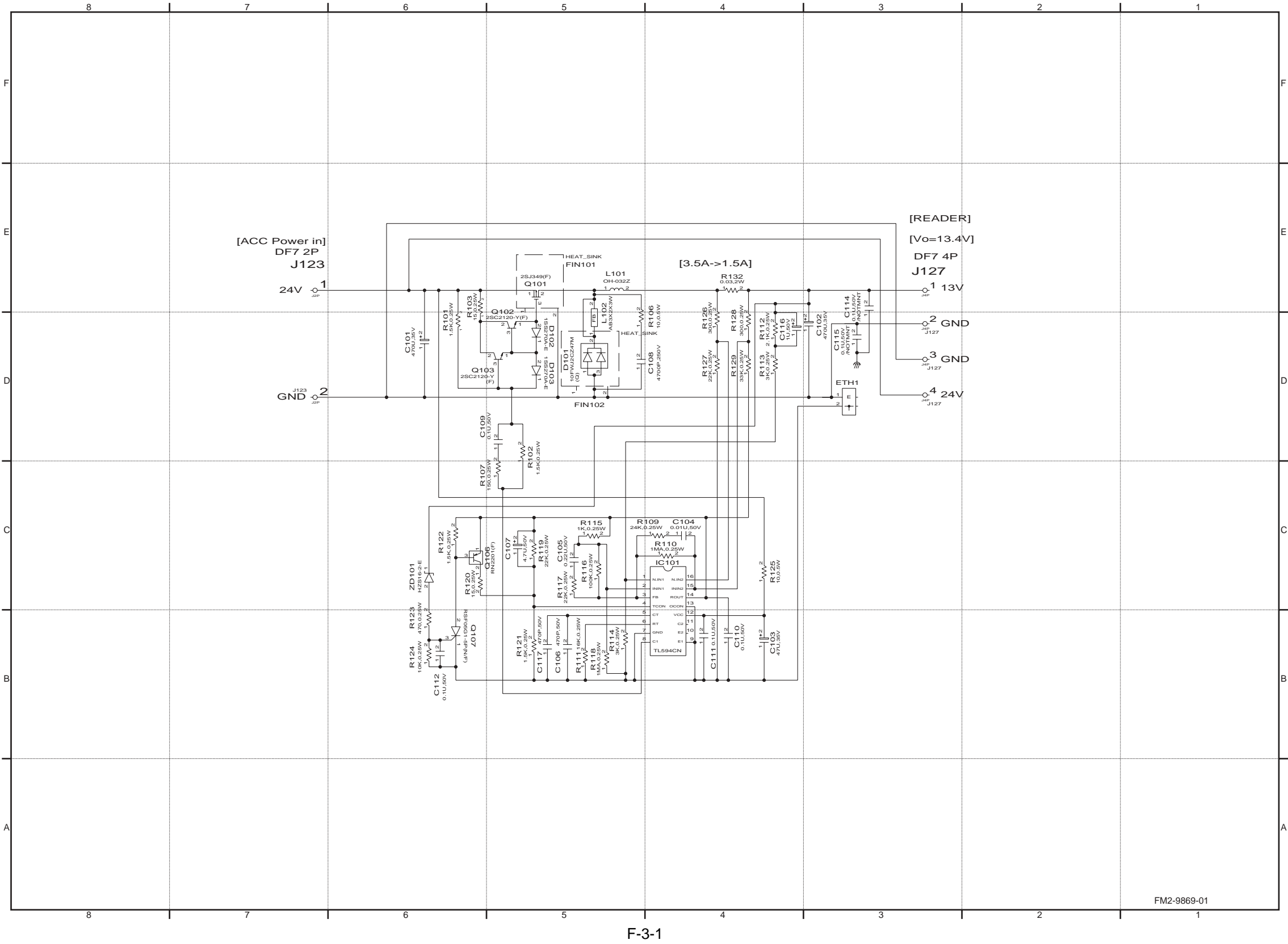
F-2-12

Interface PCB (3/4)

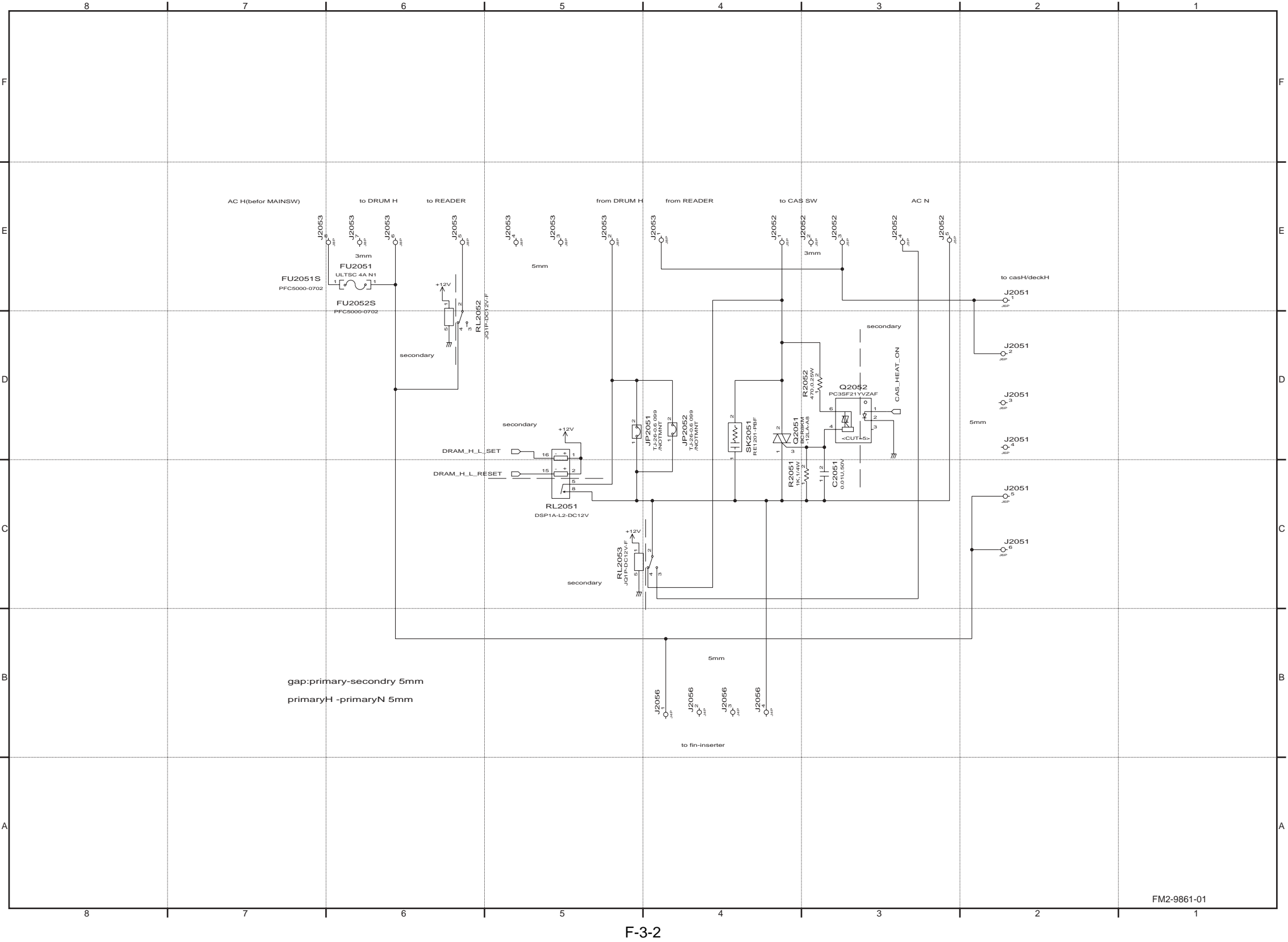
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

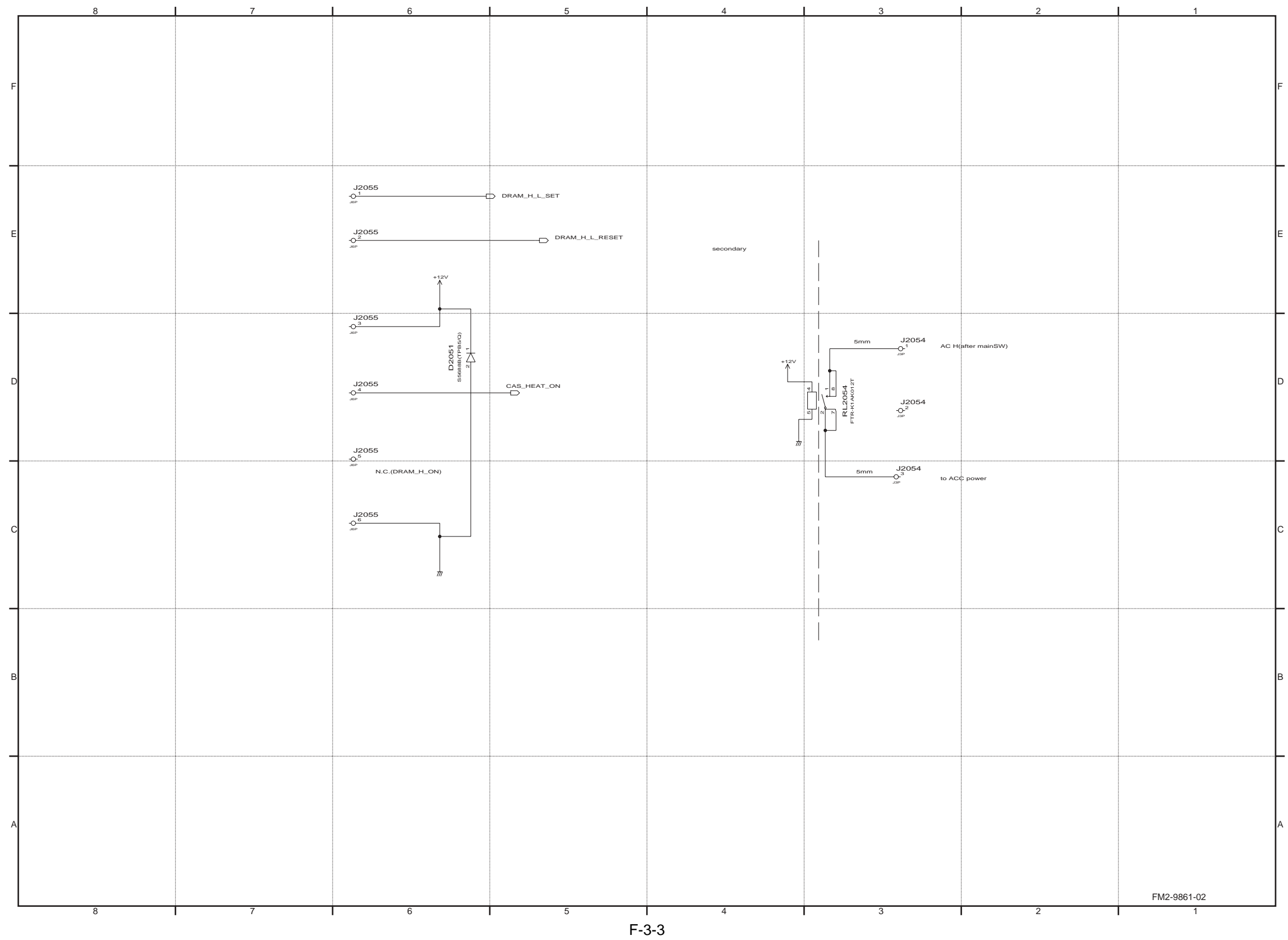


F-2-14



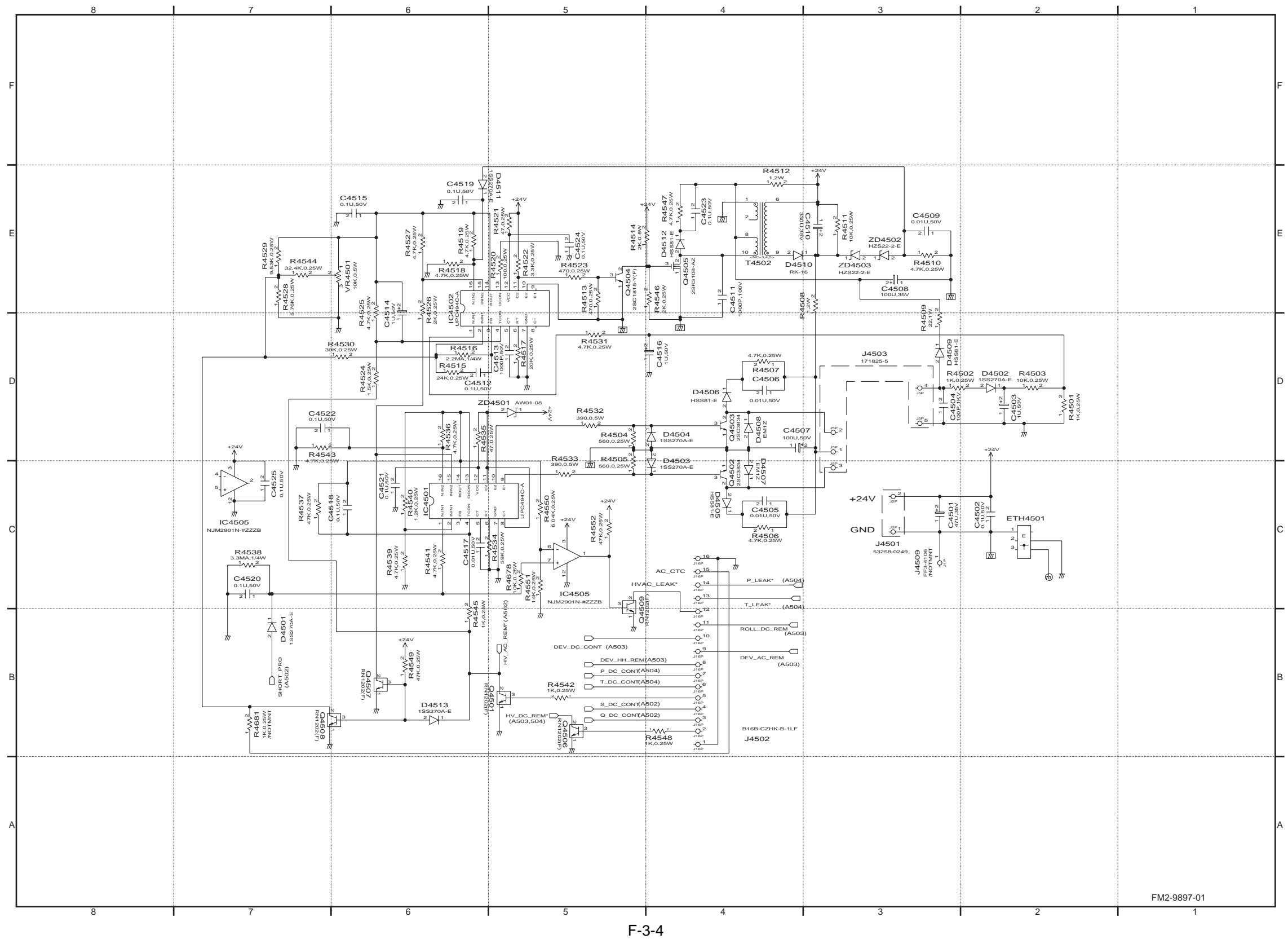
F-3-1





F-3-3

HVT PCB
HVT PCB (1/4)
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-3-4

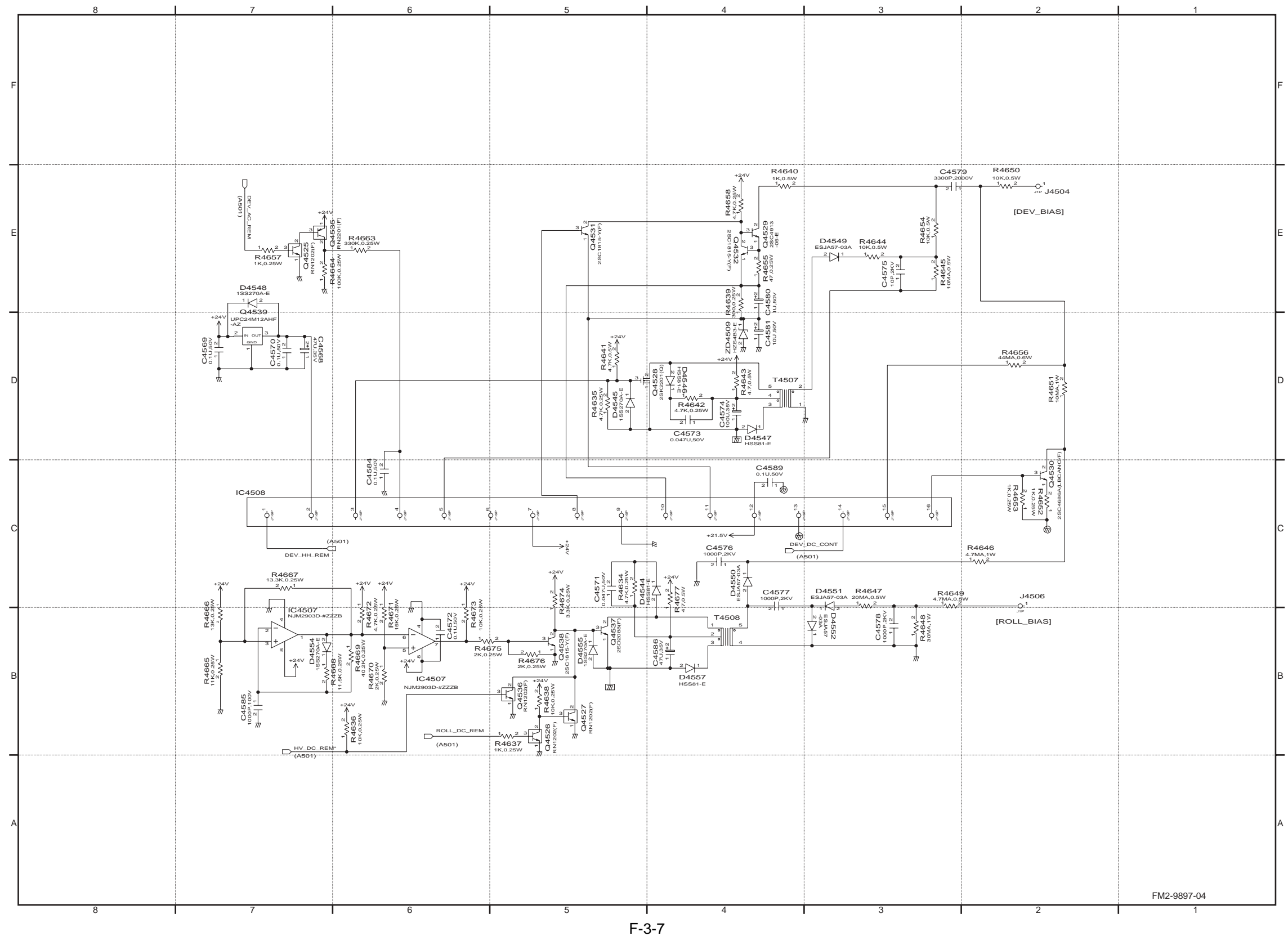
HVT PCB (2/4)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

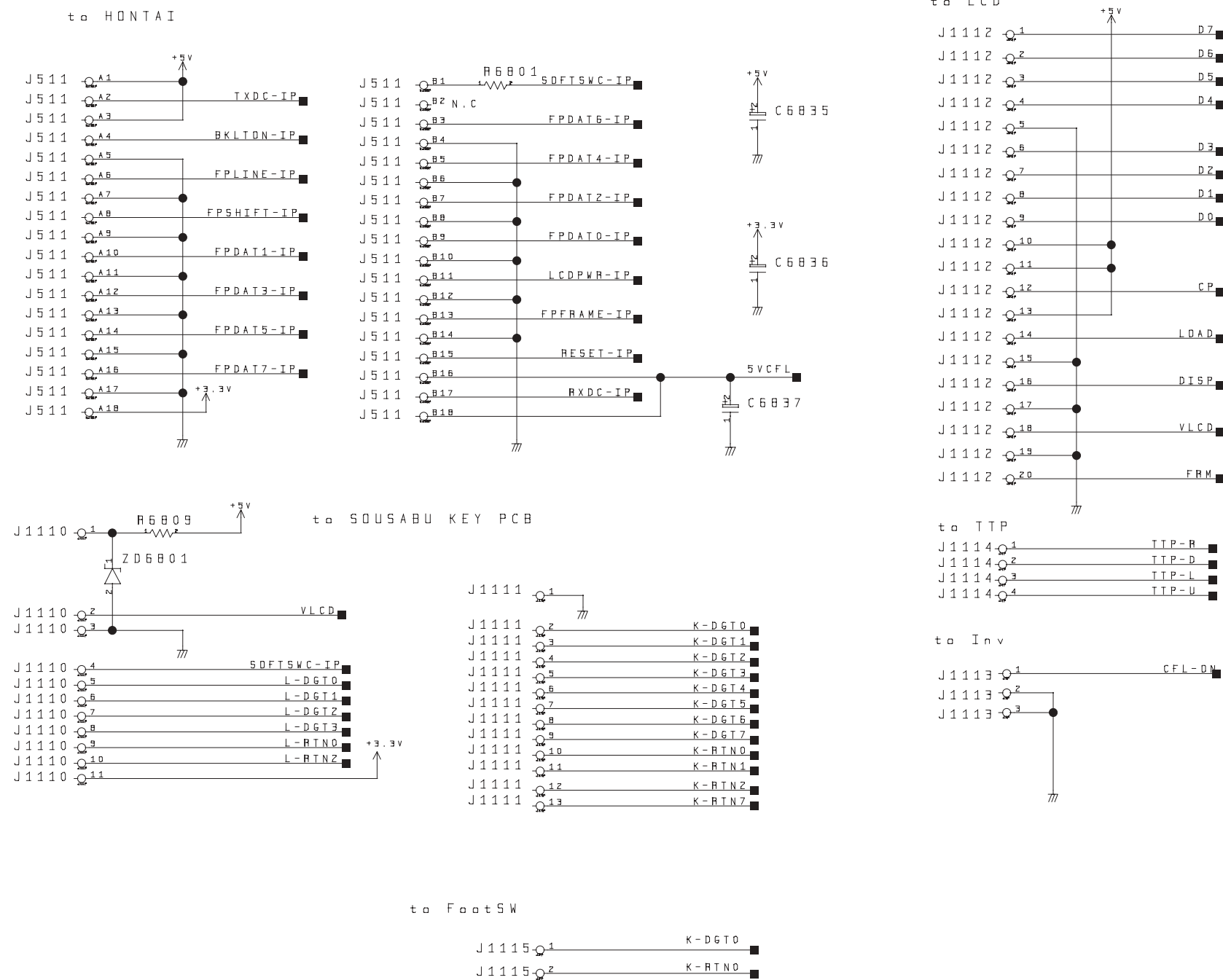


F-3-5

HVT PCB (3/4)



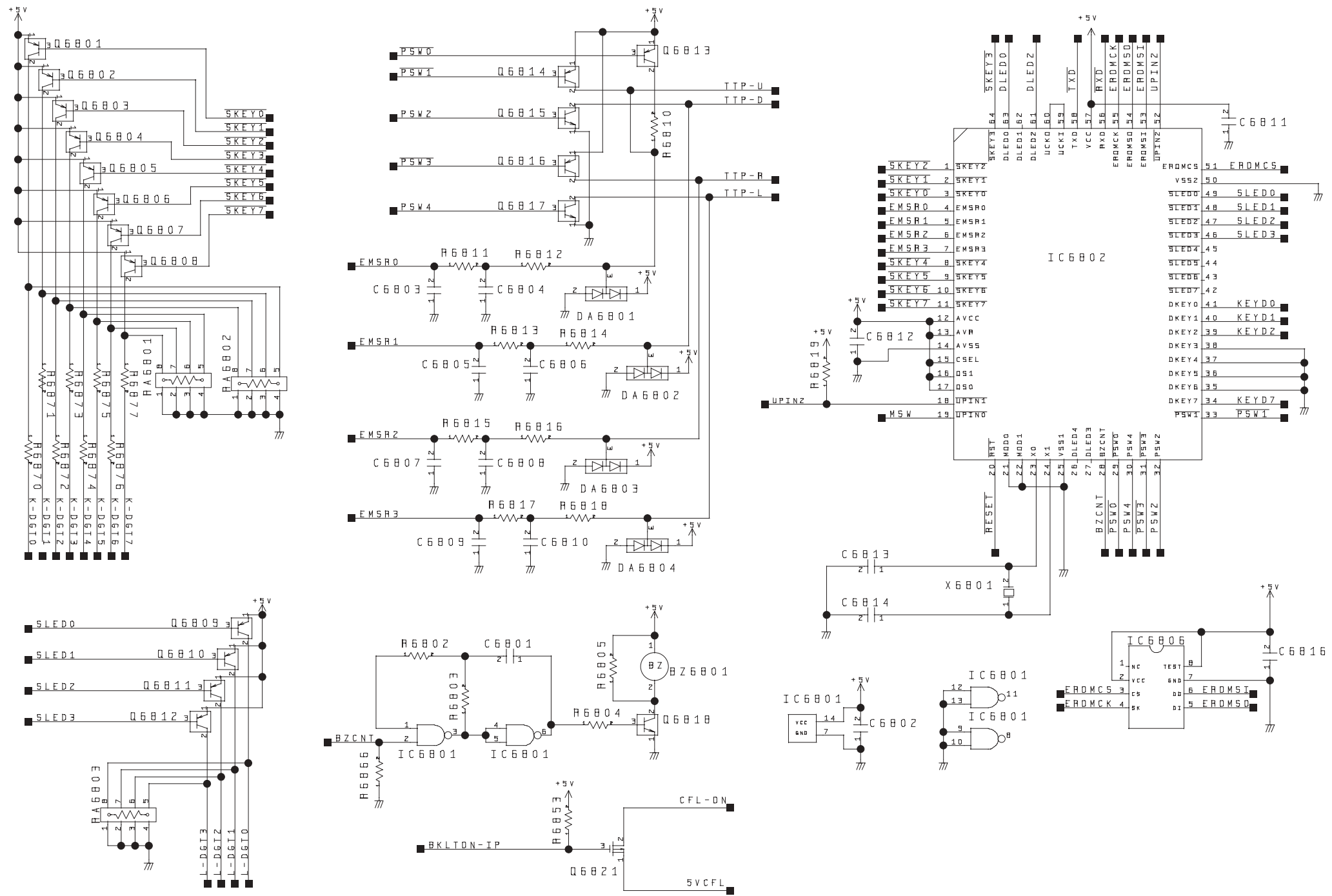
Control Panel CPU PCB
Control Panel CPU PCB (1/3)
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-3-8

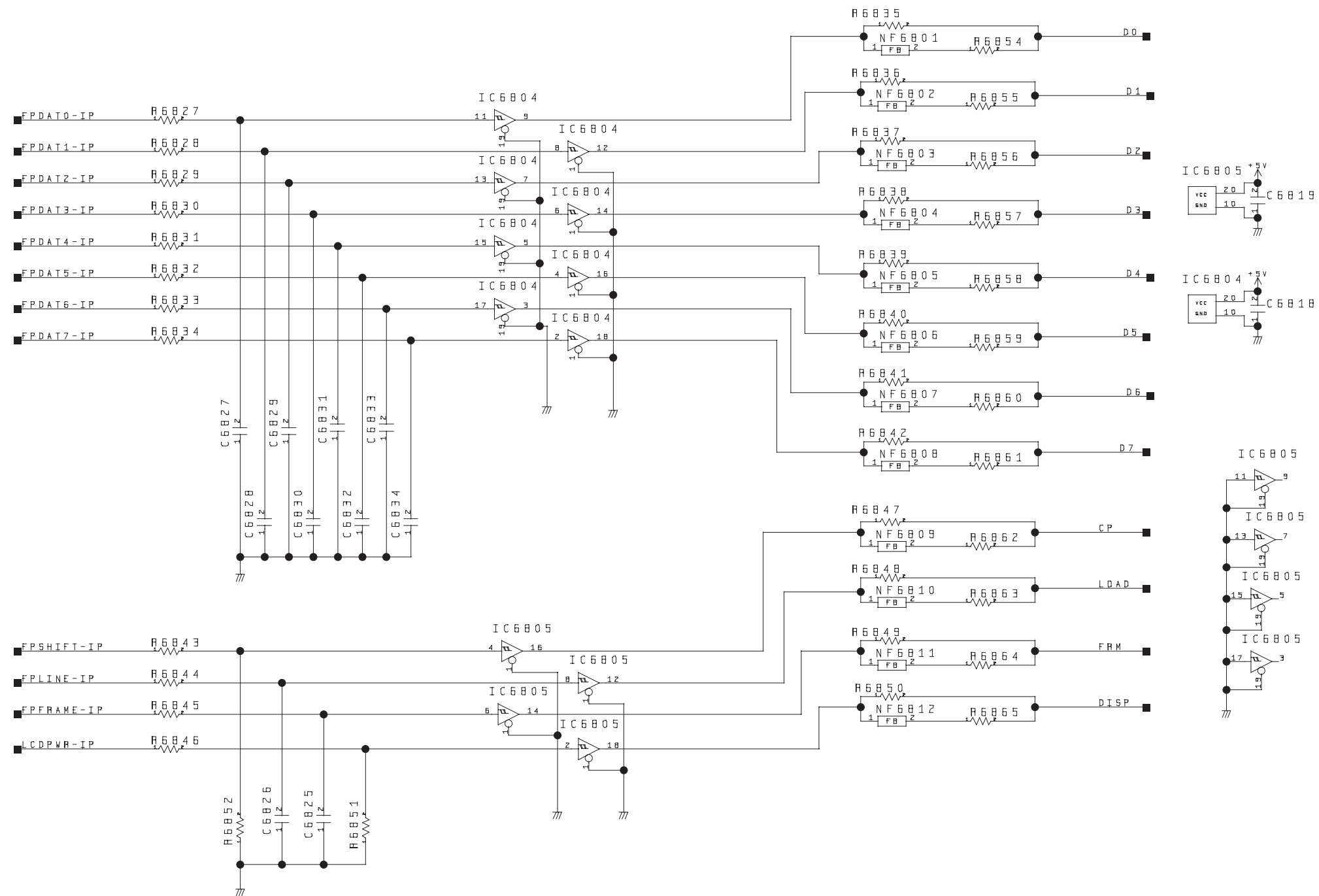
Control Panel CPU PCB (2/3)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-3-9

Control Panel CPU PCB (3/3)
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

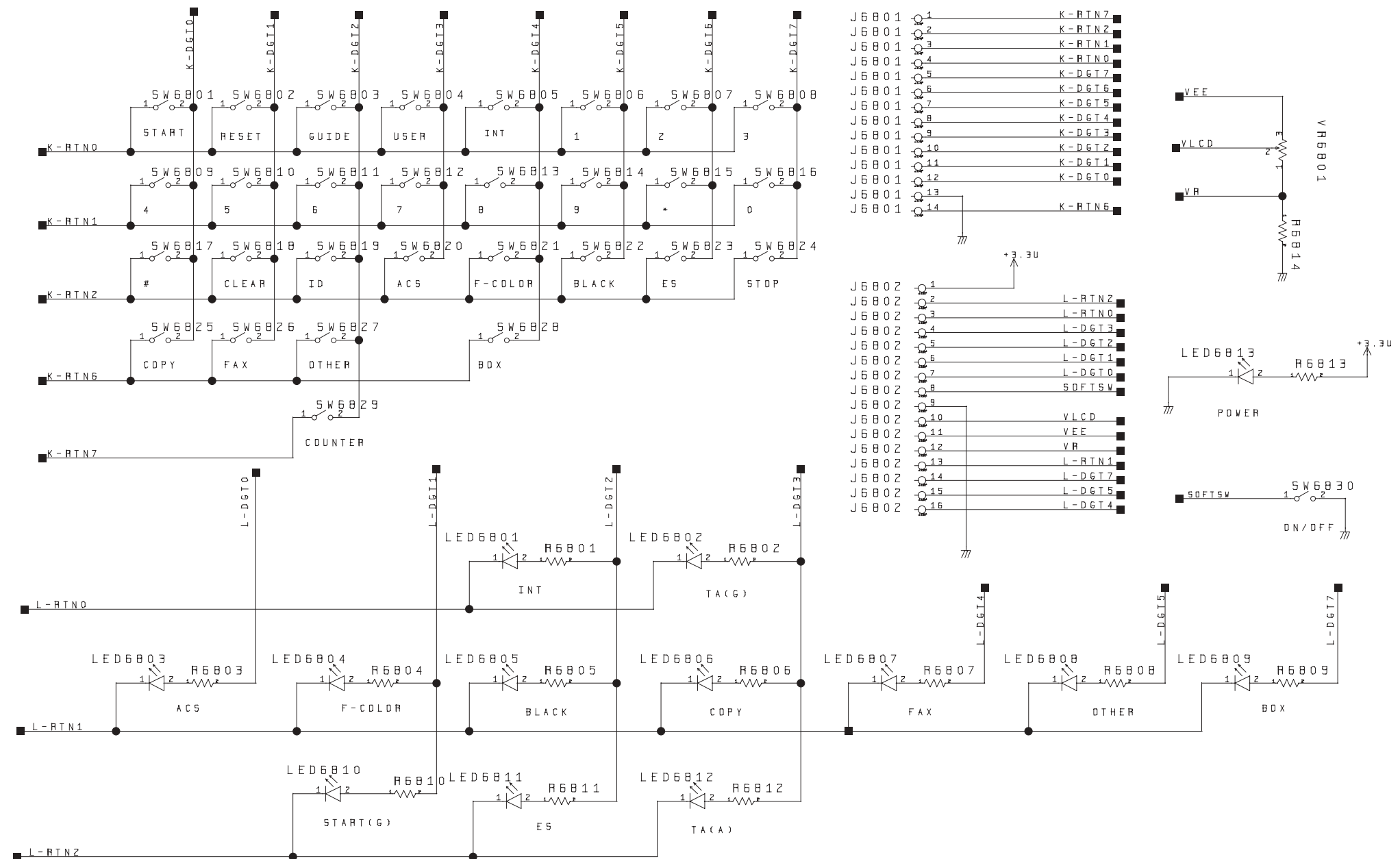


F-3-10

Panel Switch PCB

Panel Switch PCB

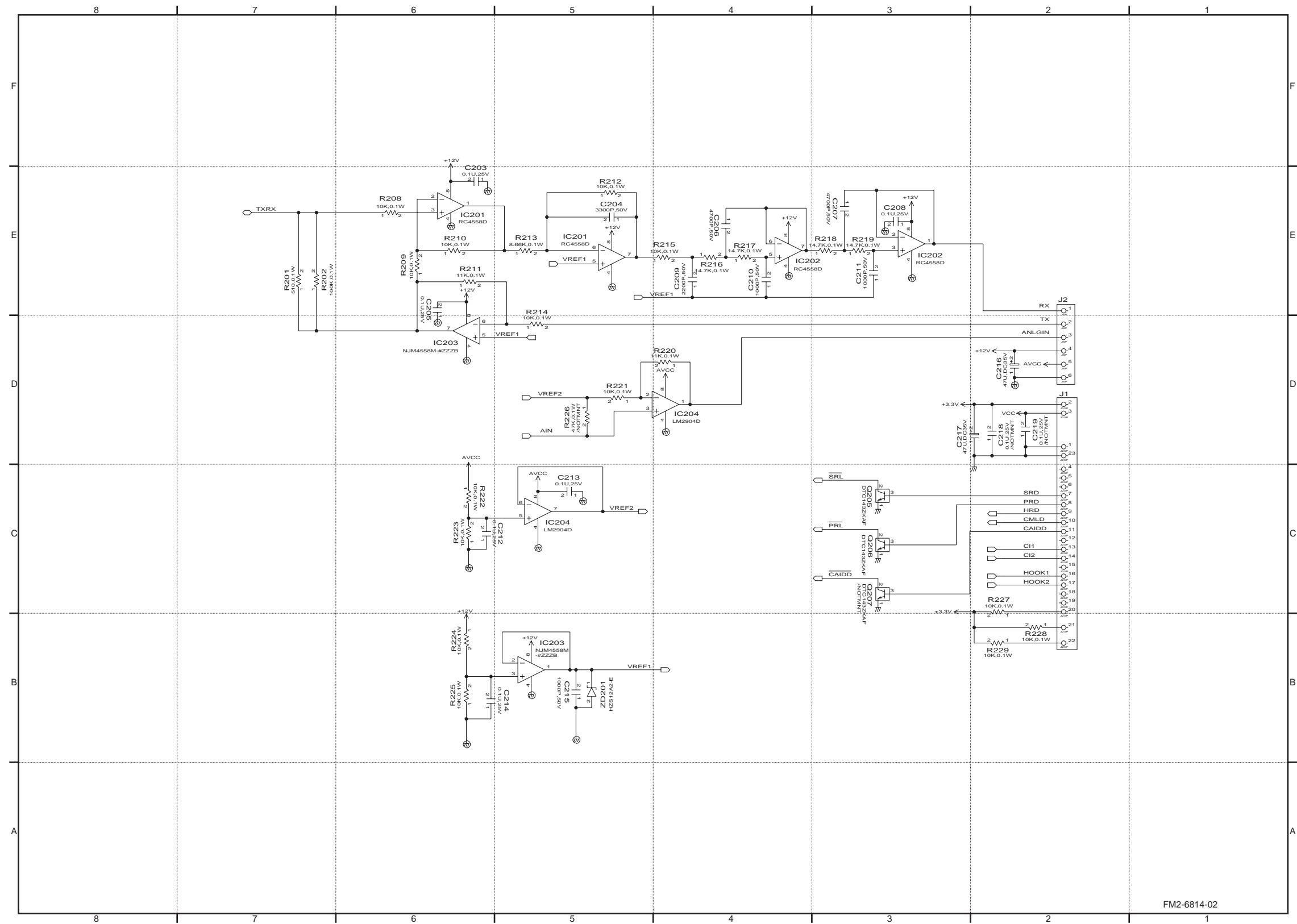
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



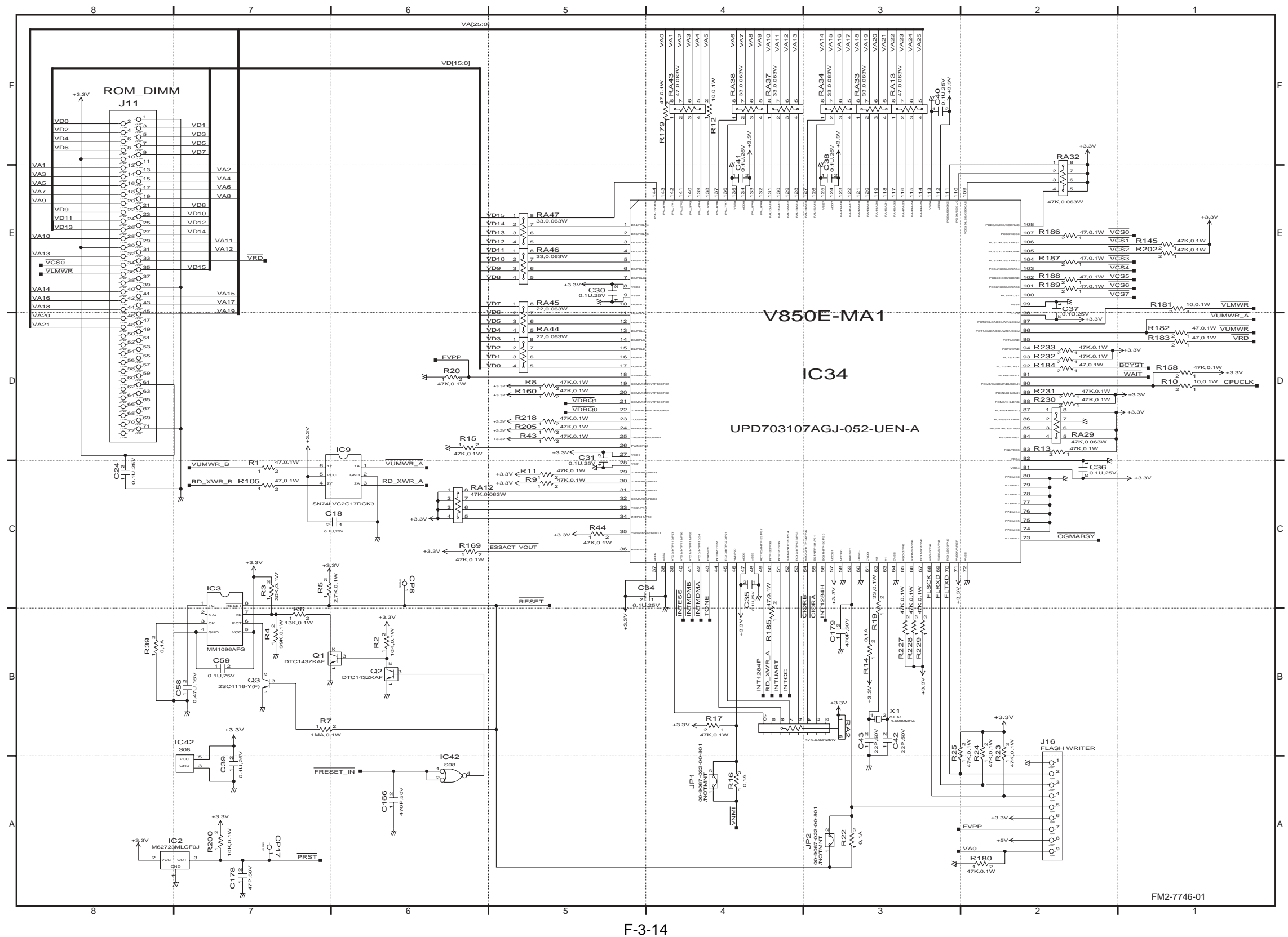
F-3-11

NCU PCB
 NCU PCB (1/2)
 iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

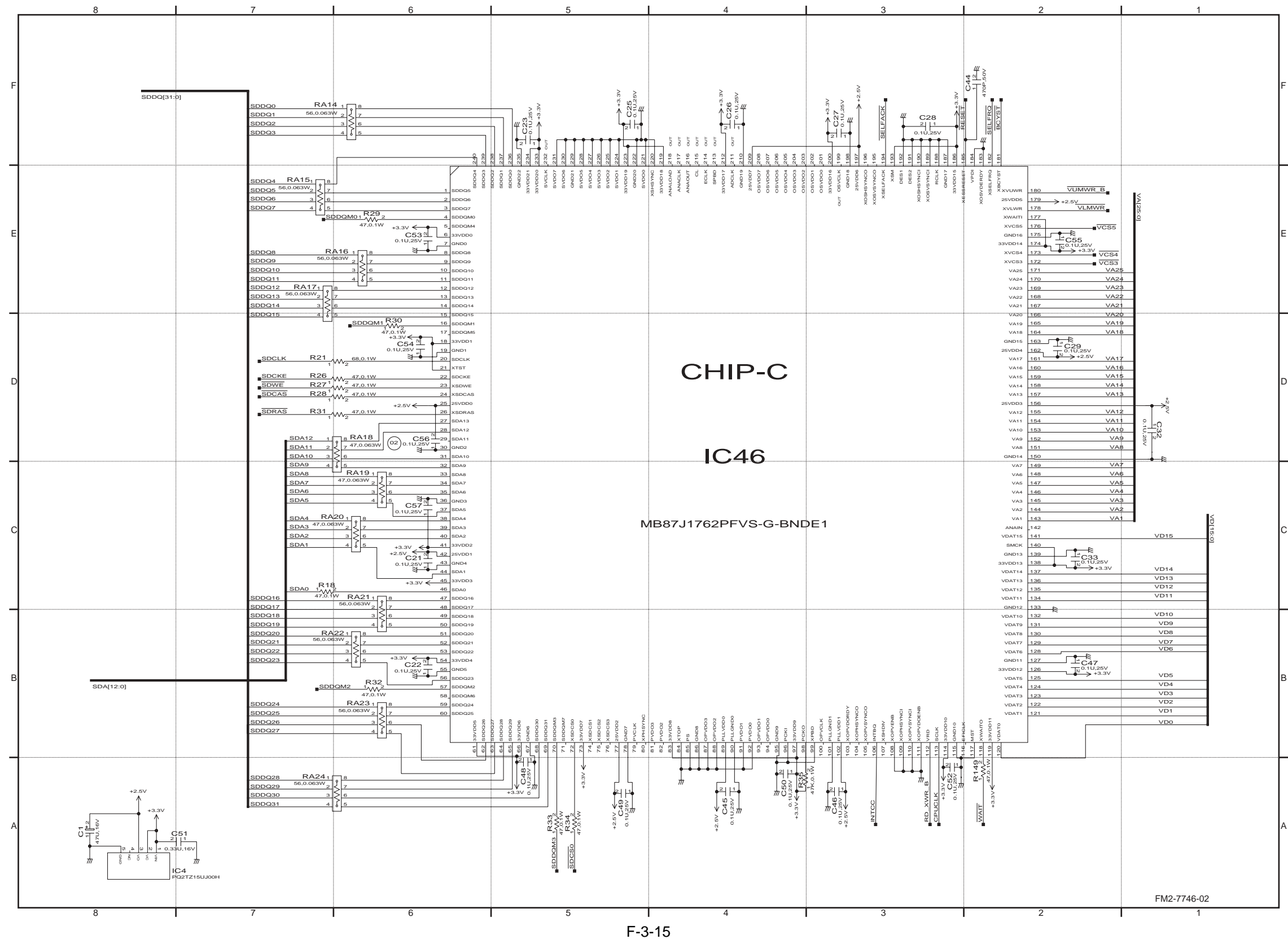




G3 Fax Control PCB
 G3 Fax Control PCB (1/6)
 iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



G3 Fax Control PCB (2/6)
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

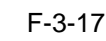


F-3-15

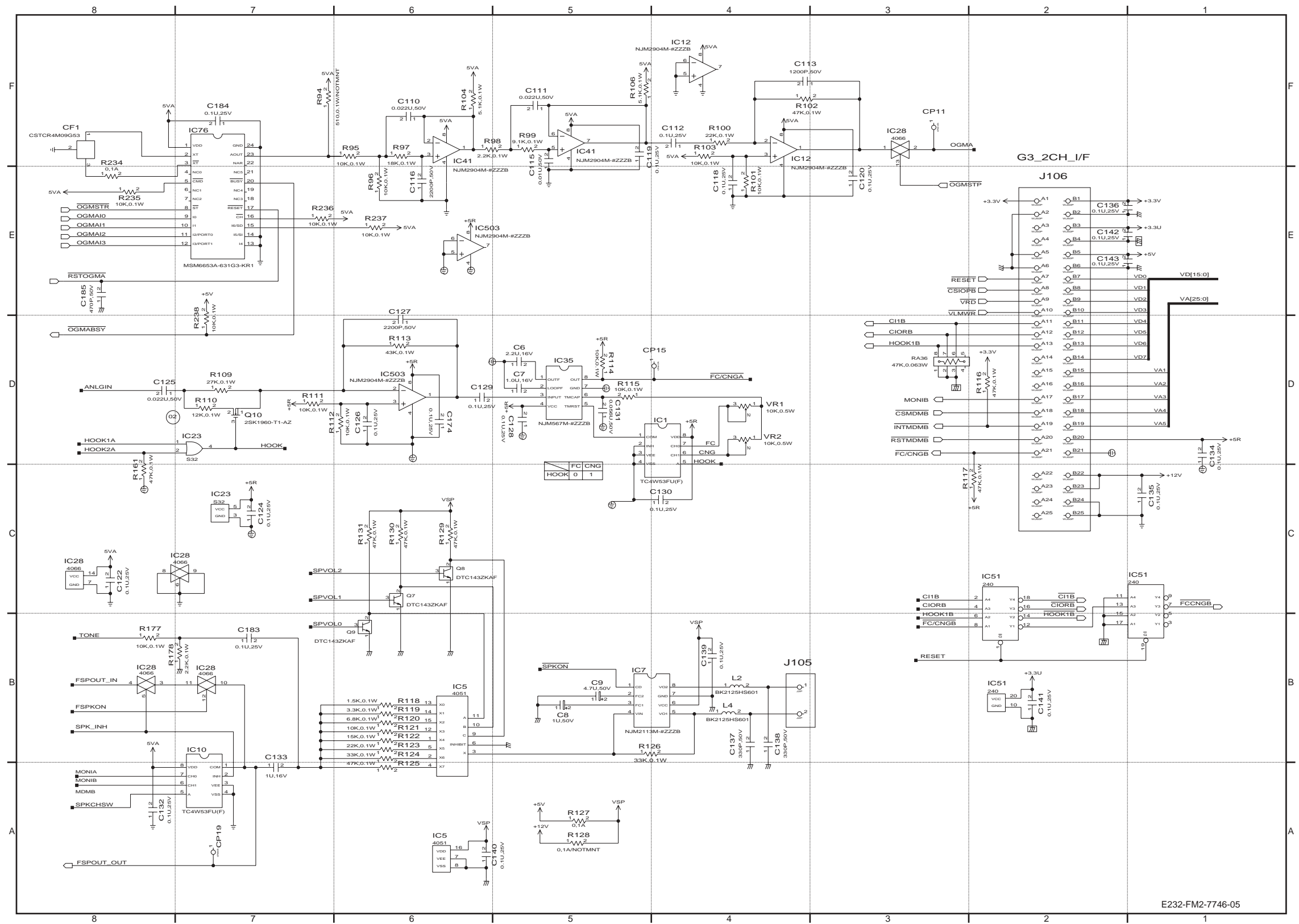
G3 Fax Control PCB (3/6)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



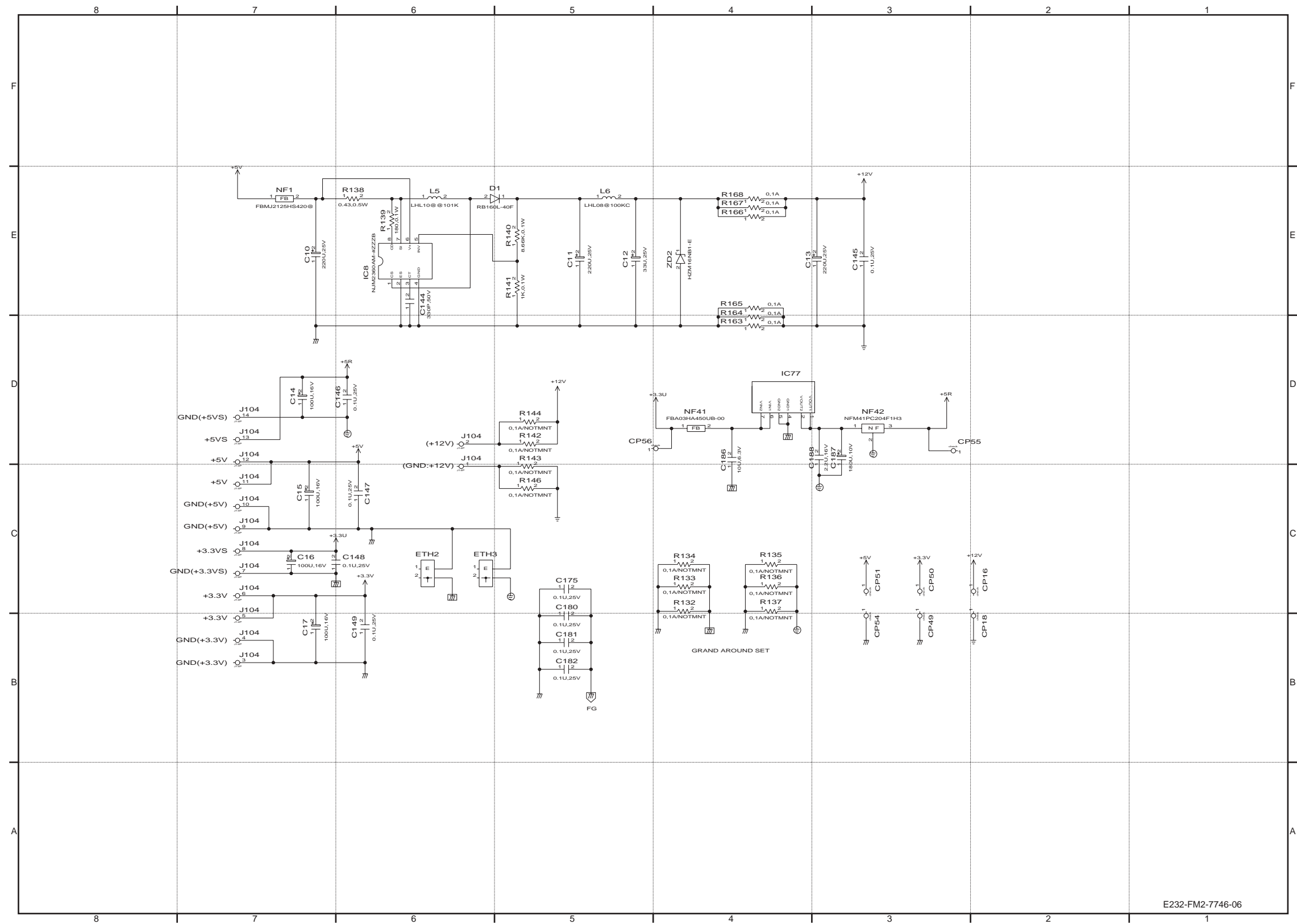


iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



G3 Fax Control PCB (6/6)

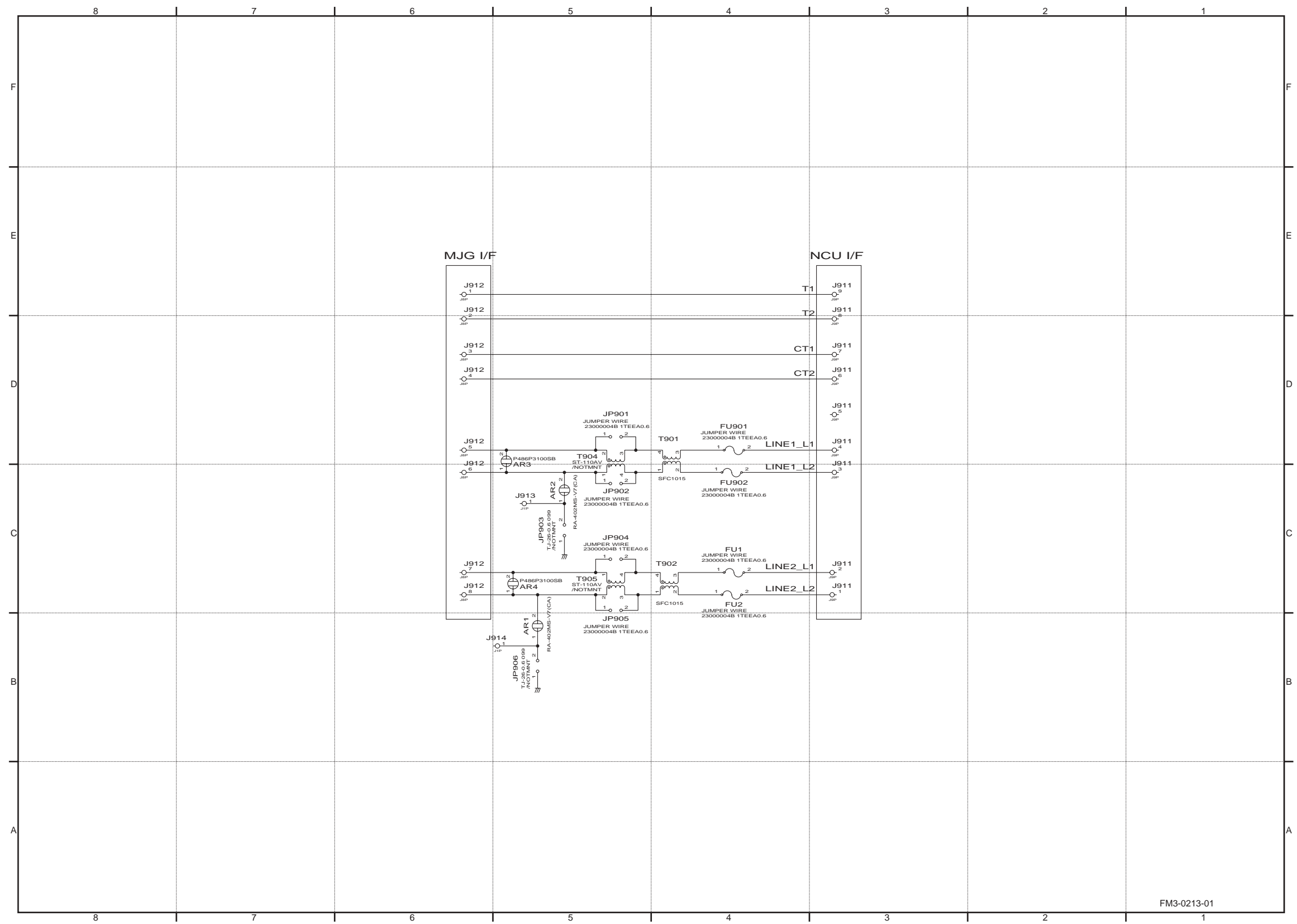
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



E232-FM2-7746-06

F-3-19

G3 Modular PCB
 G3 Modular PCB (100V)
 iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N

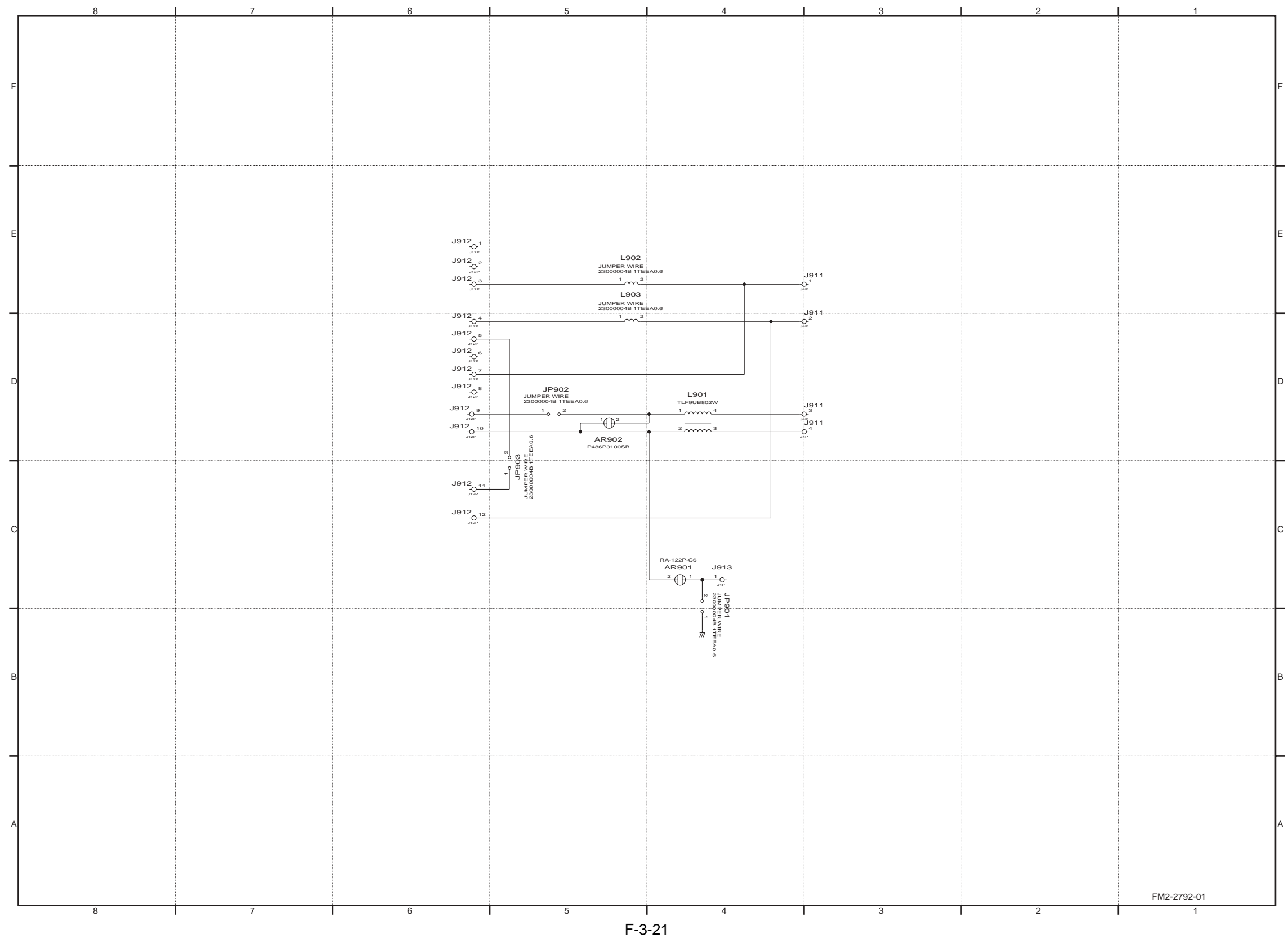


FM3-0213-01

F-3-20

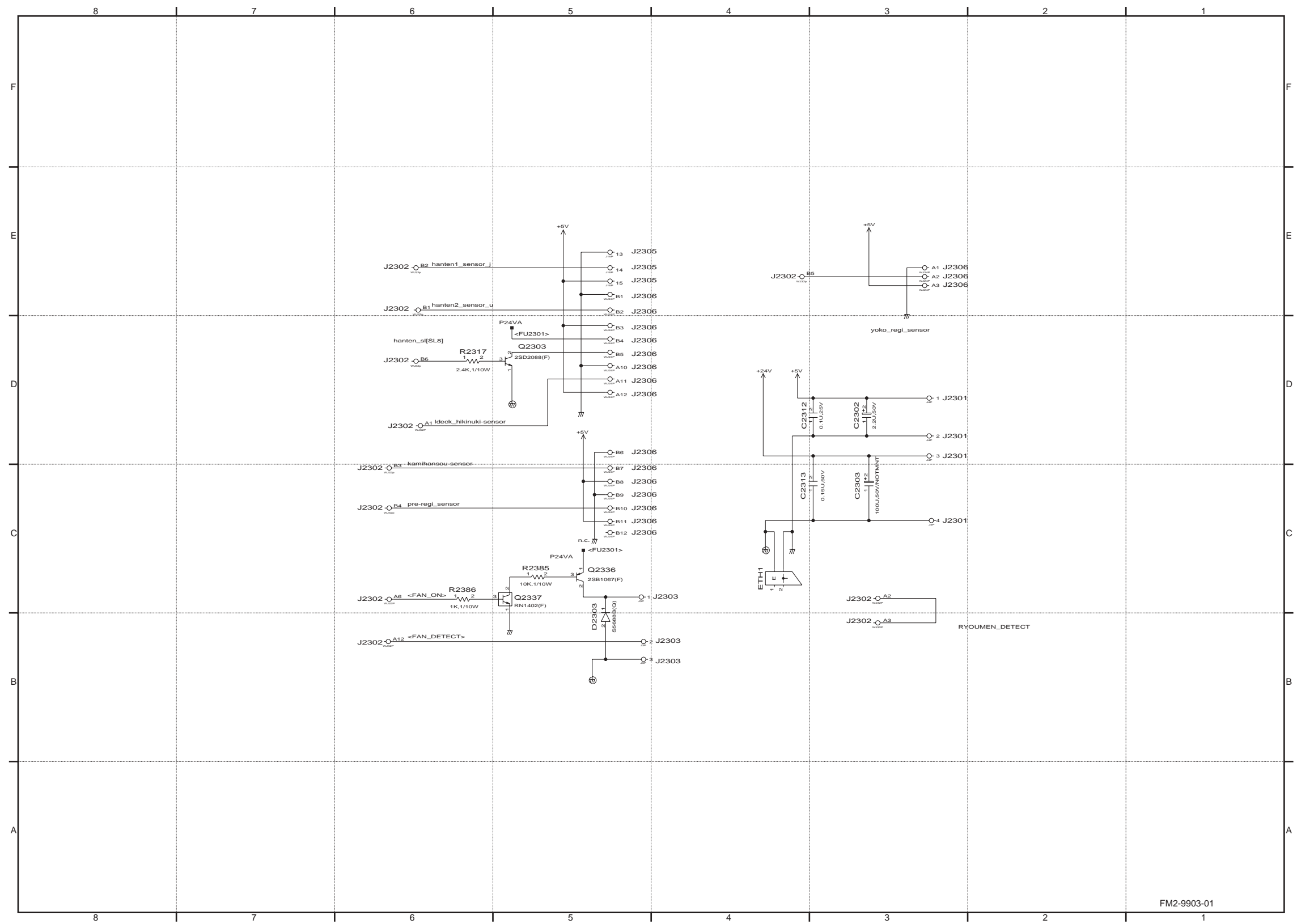
G3 Modular PCB (200V)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



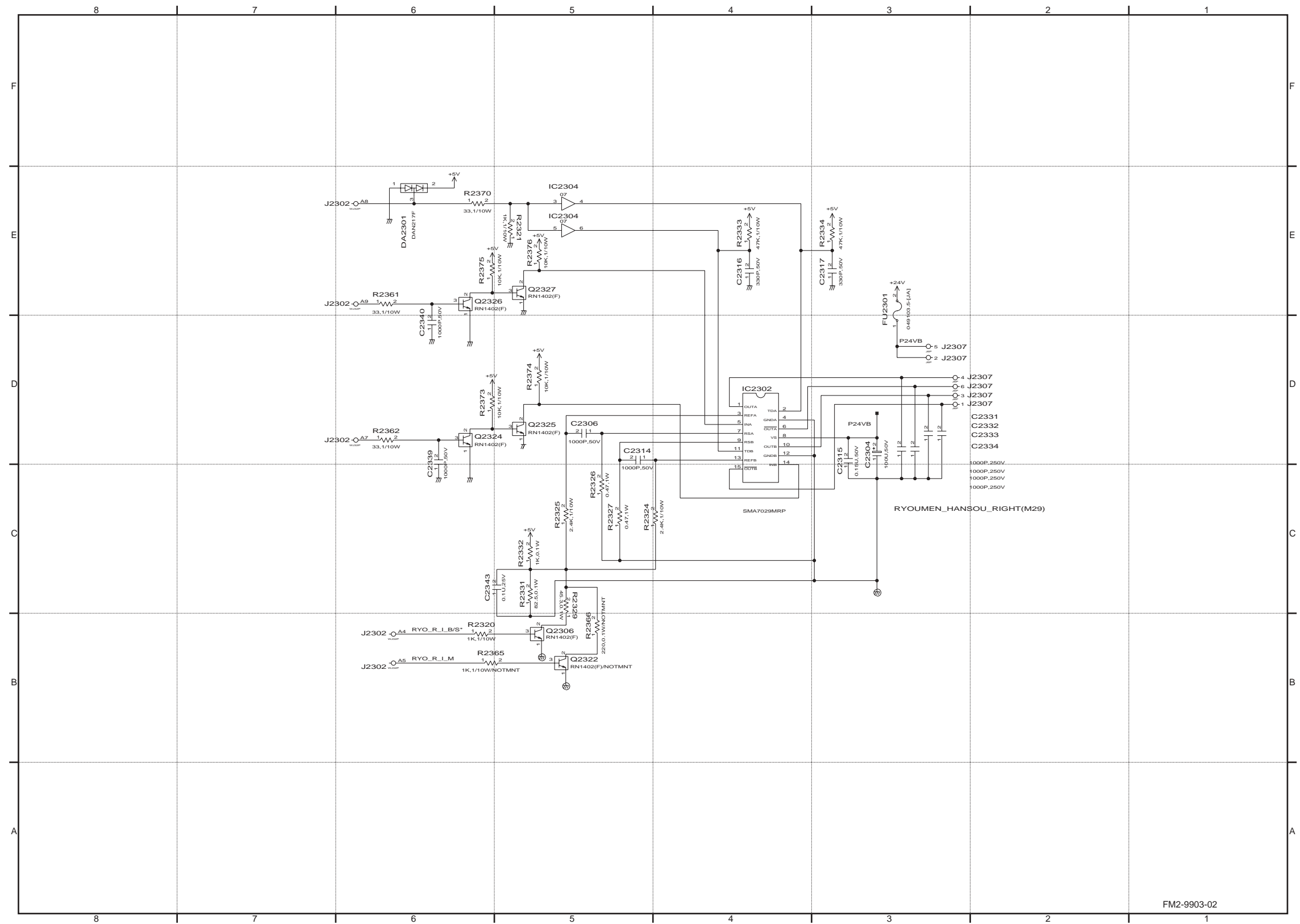
F-3-21

Duplex Unit Driver PCB
 Duplex Unit Driver PCB (1/5)
 iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



Duplex Unit Driver PCB (2/5)

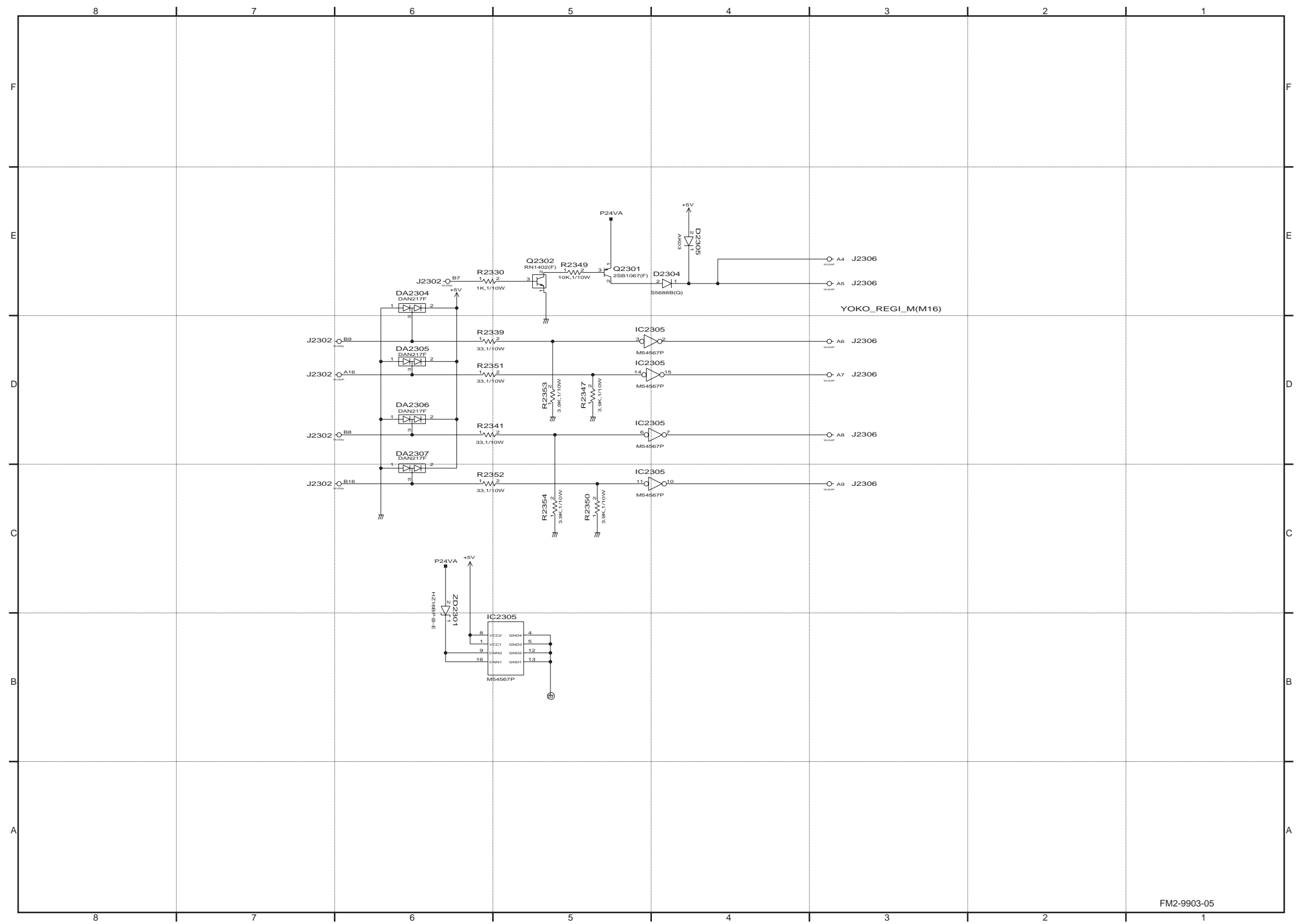
iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-3-23

Duplex Unit Driver PCB (3/5)

iR5065 / iR 5055 / iR5075 / iR5075N / iR5065N / iR5055N



F-3-26

Mar 28 2007

Canon