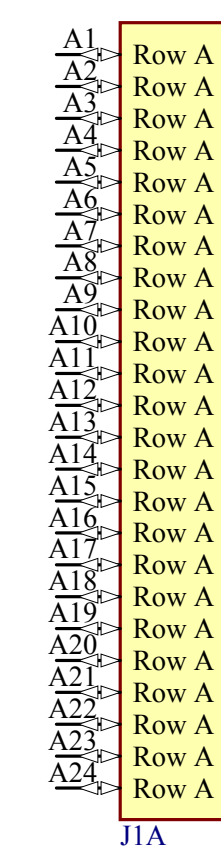
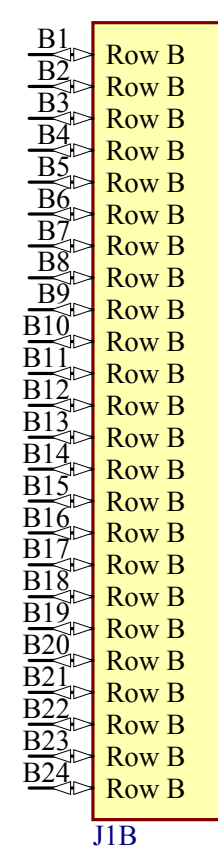
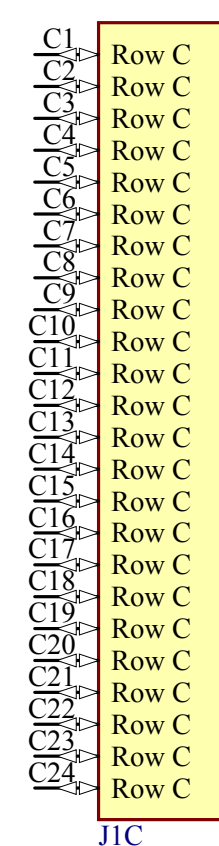
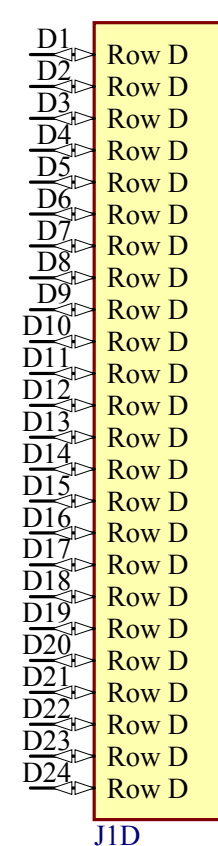
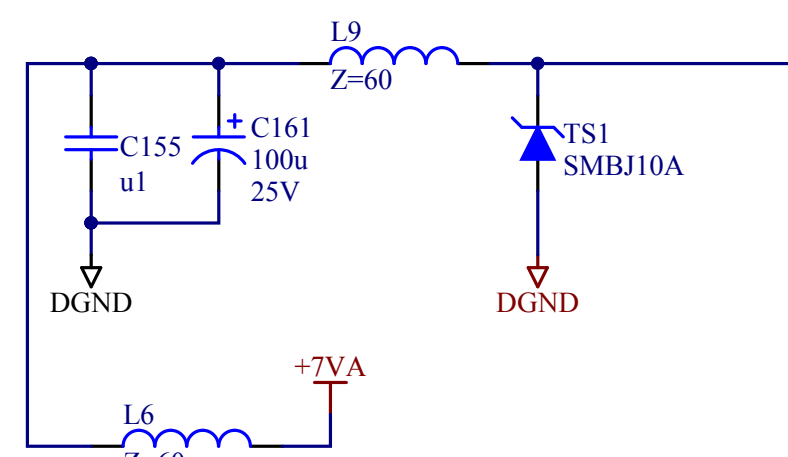
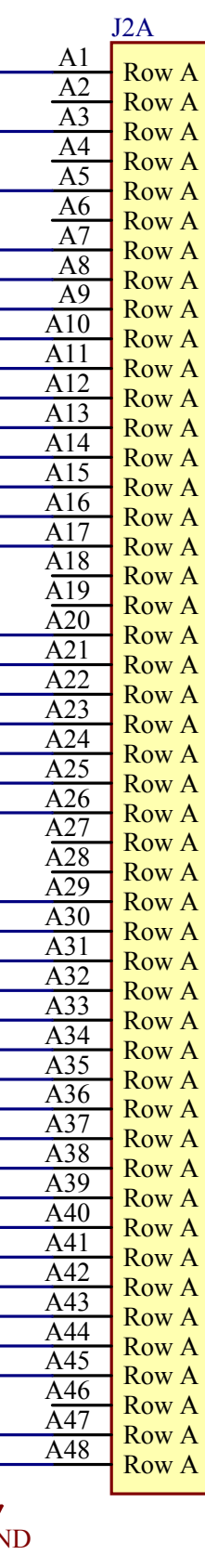
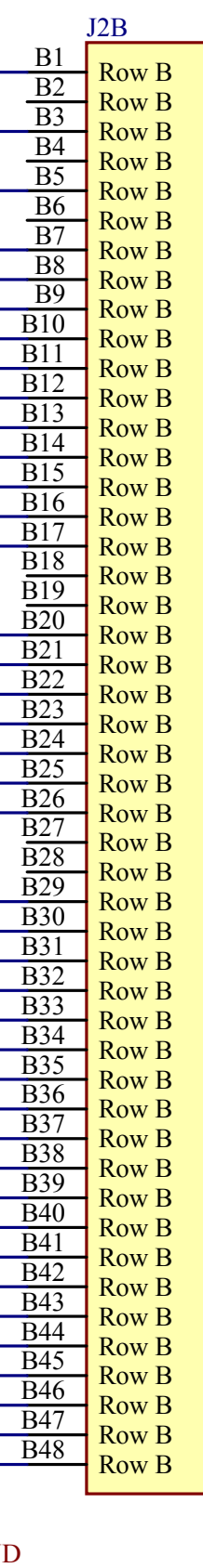
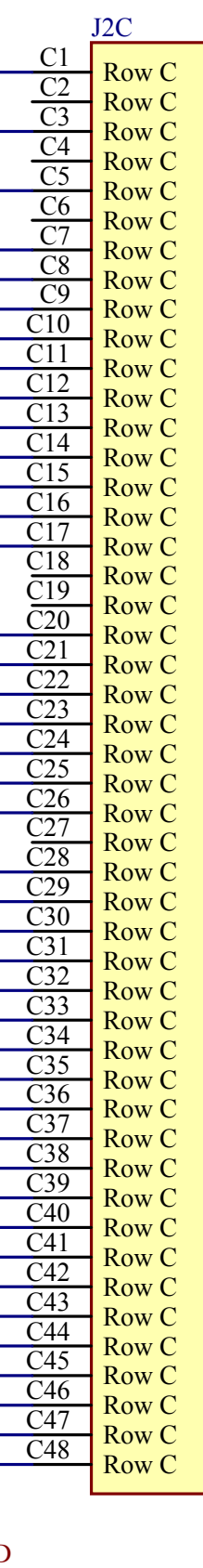
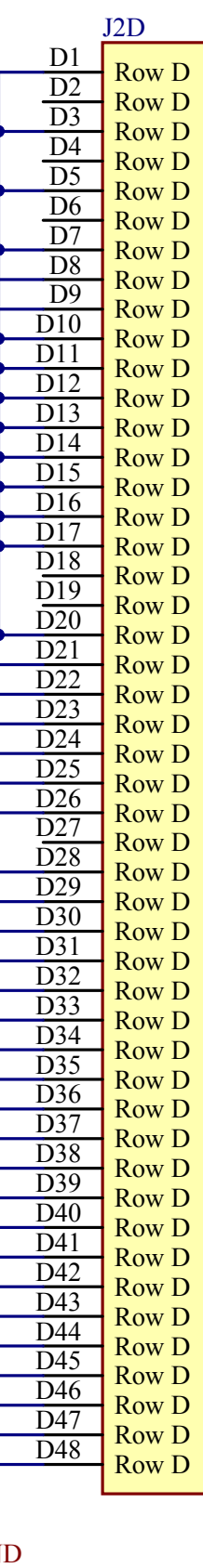
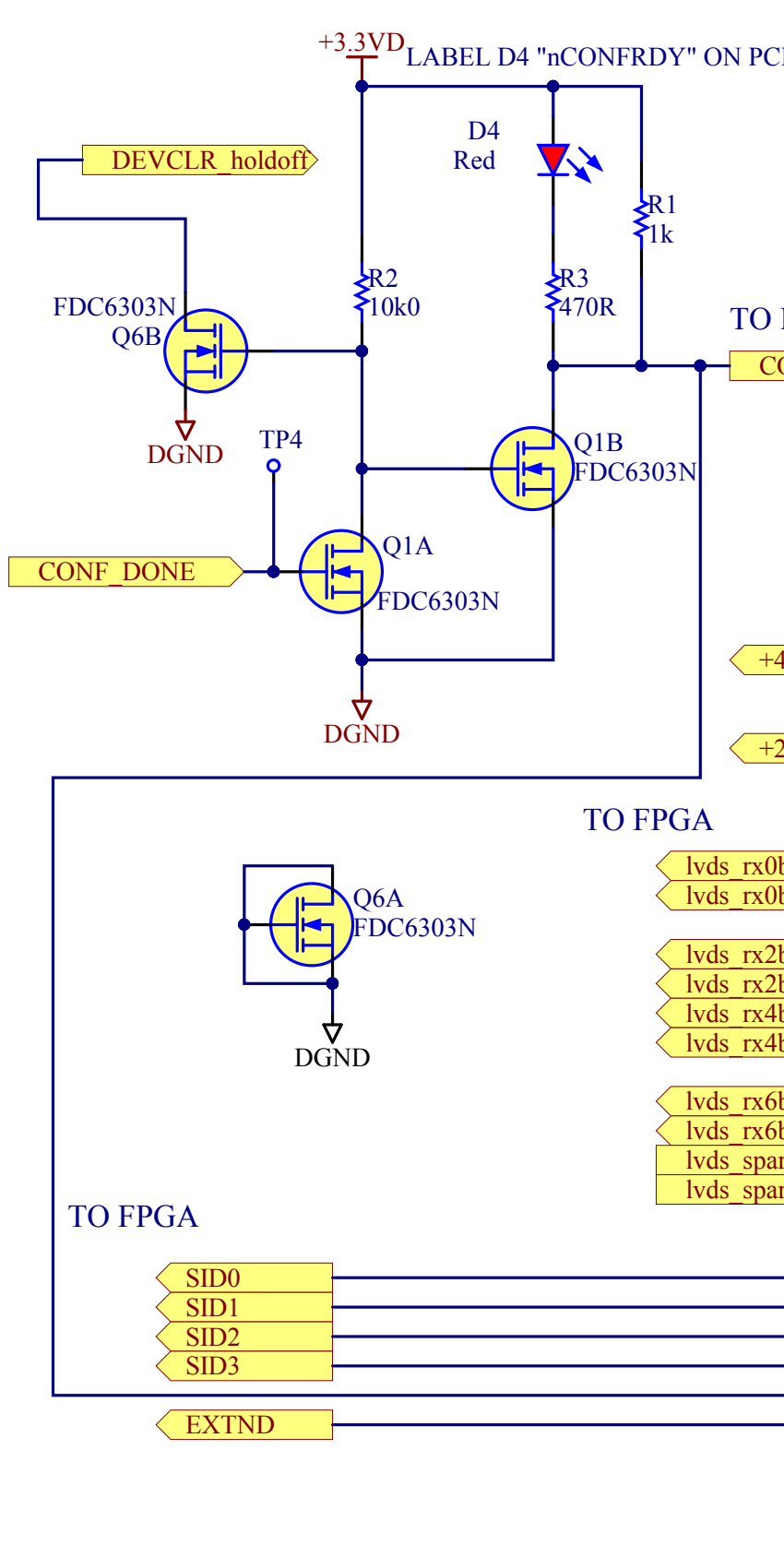


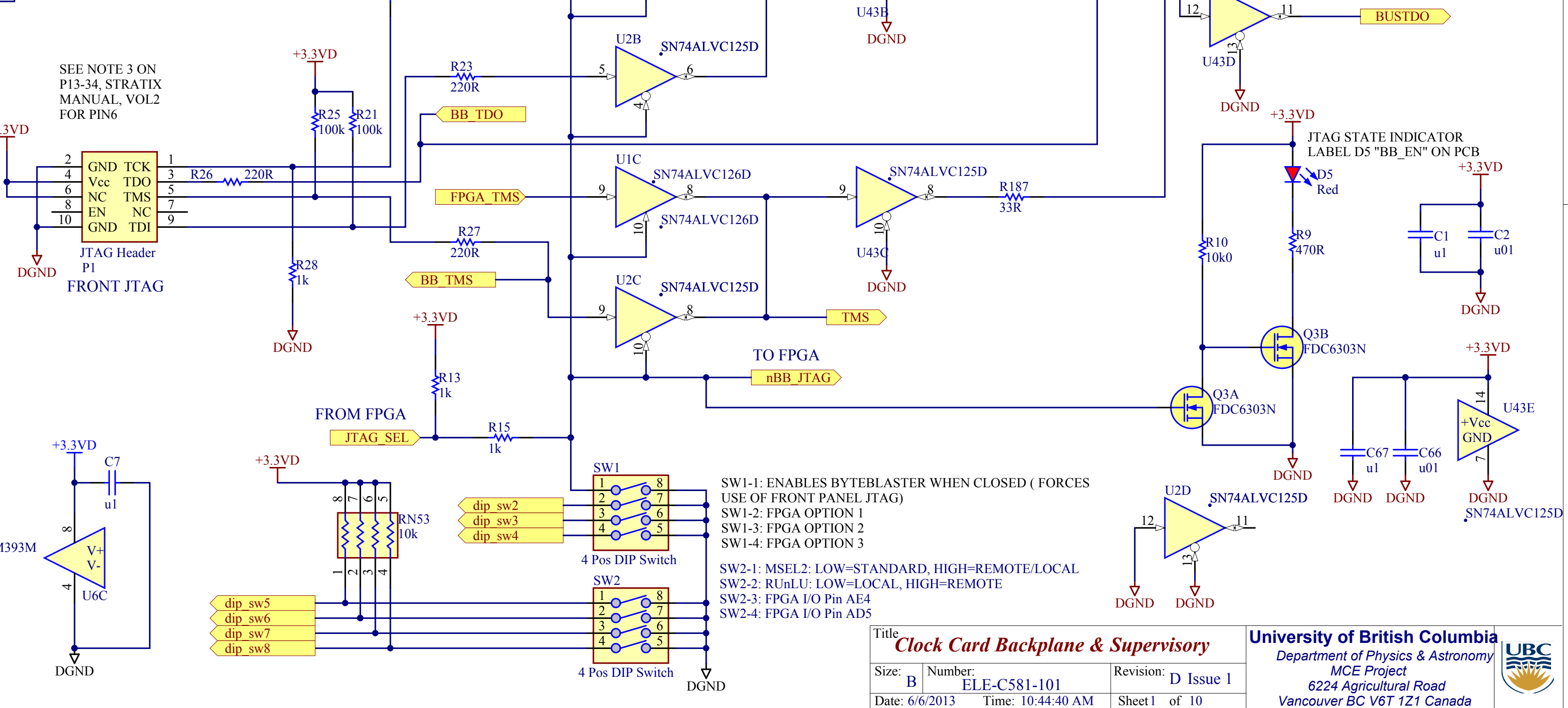
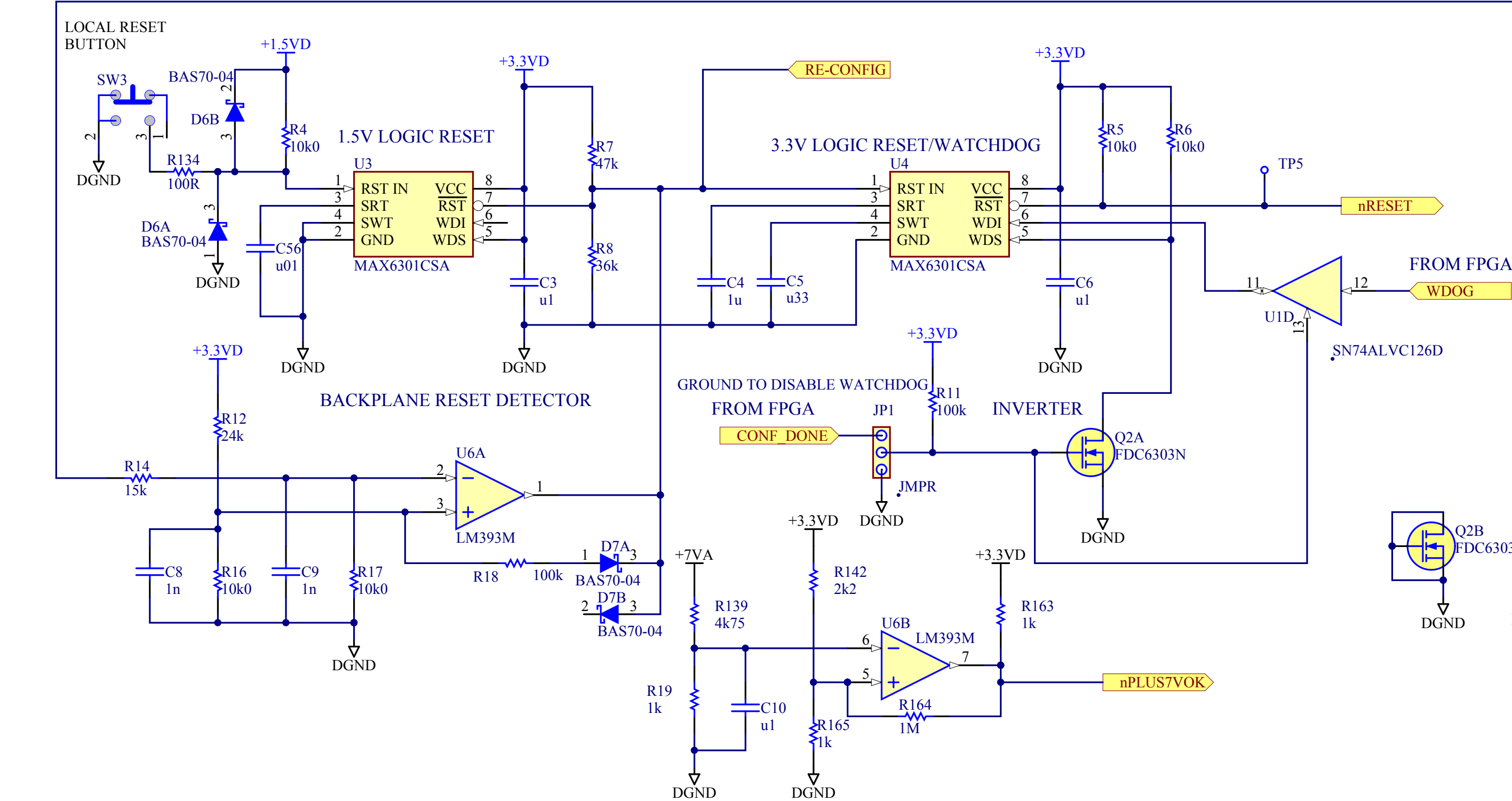
TRANSIENT PROTECTION FOR +7V RAIL



CONFIGURATION READY INTERFACE



Clock Card - Slot 8



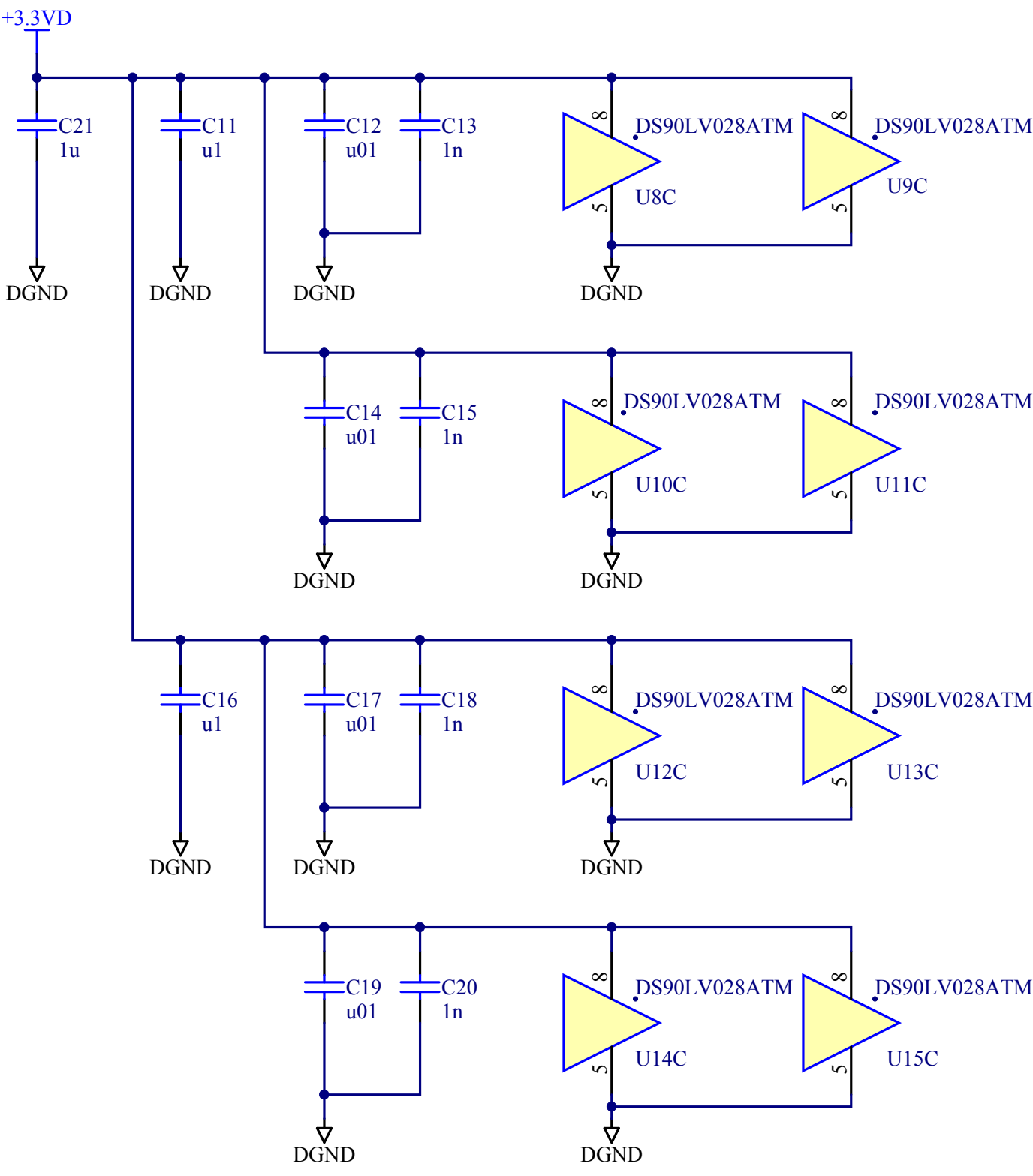
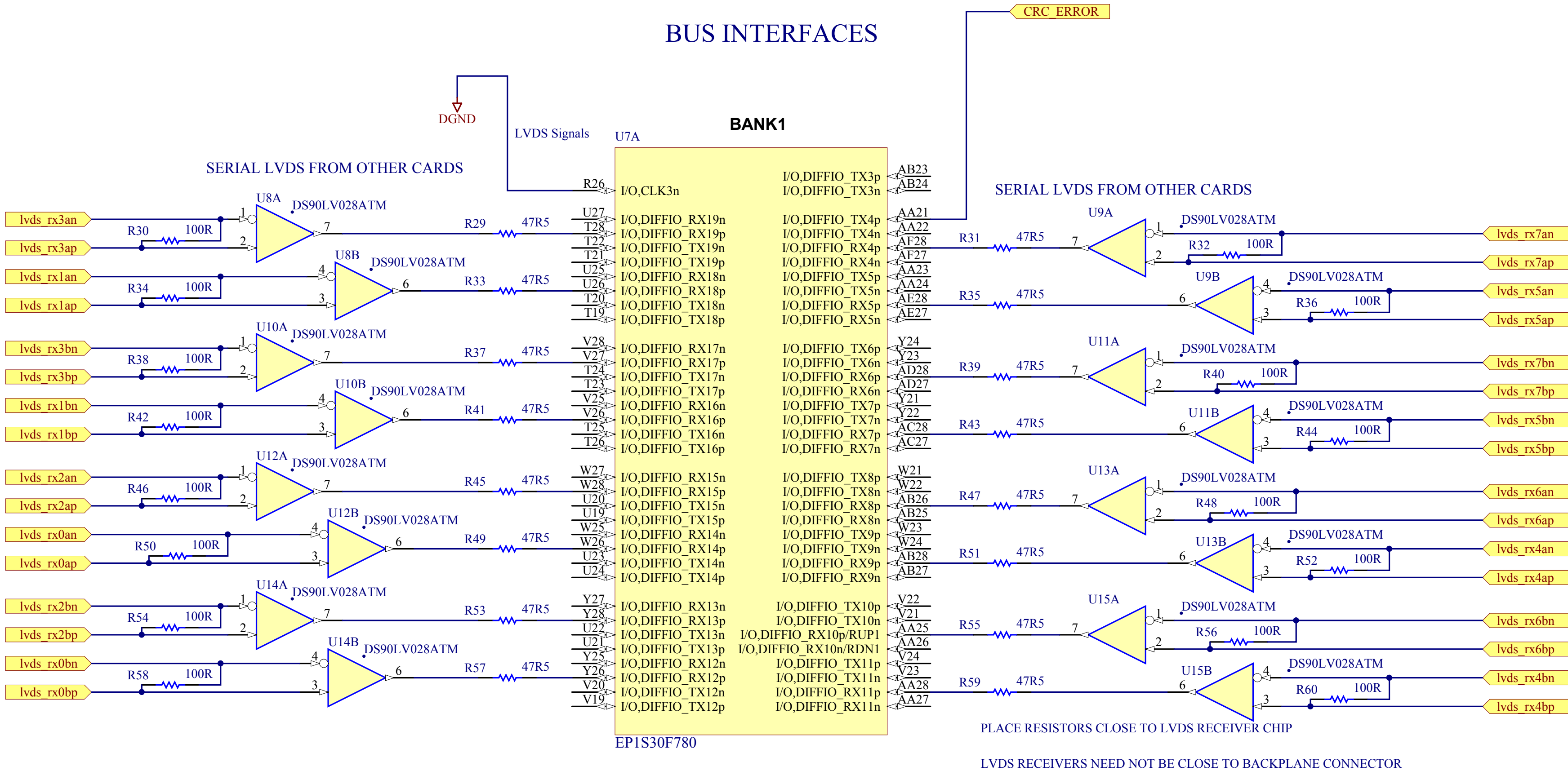
A

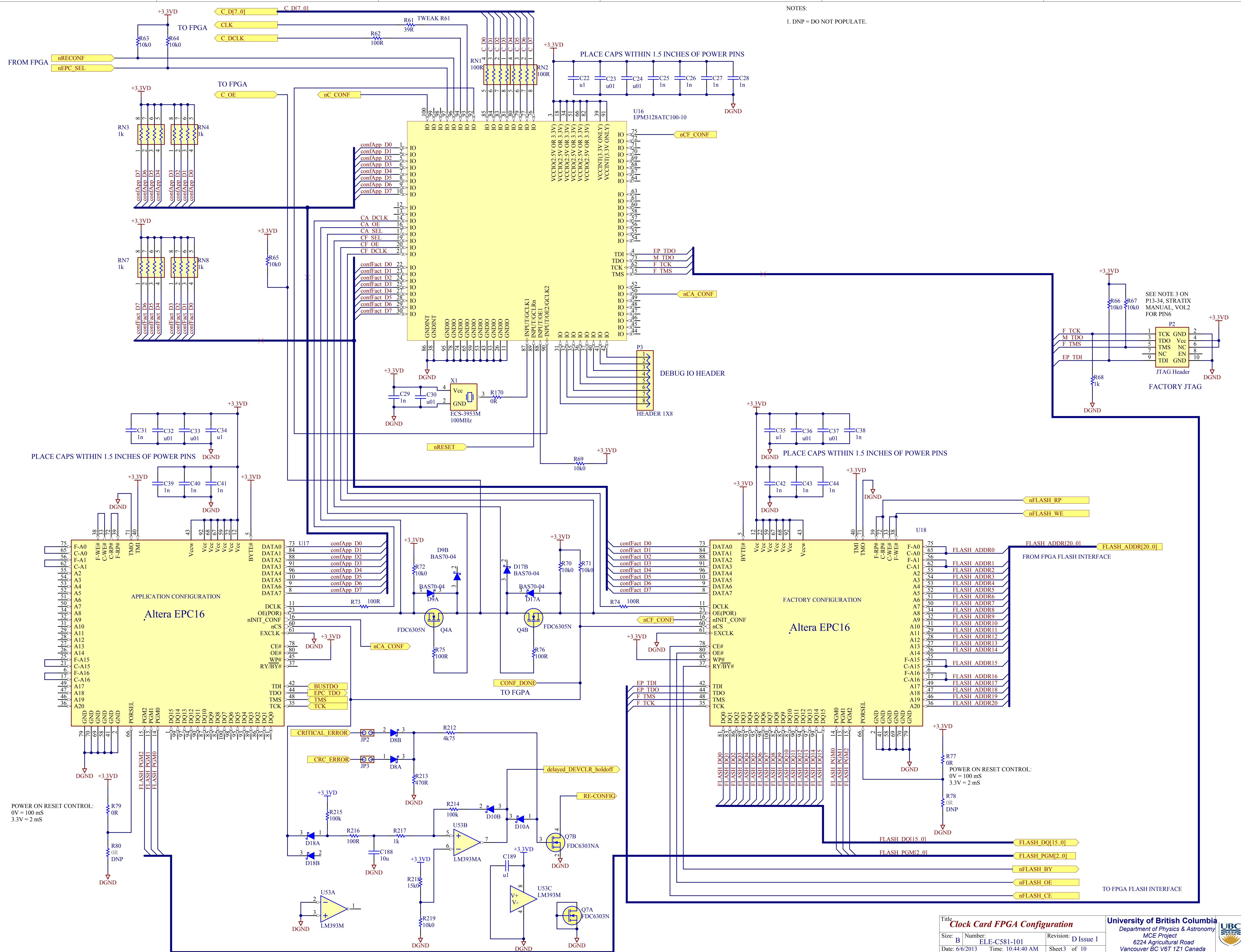
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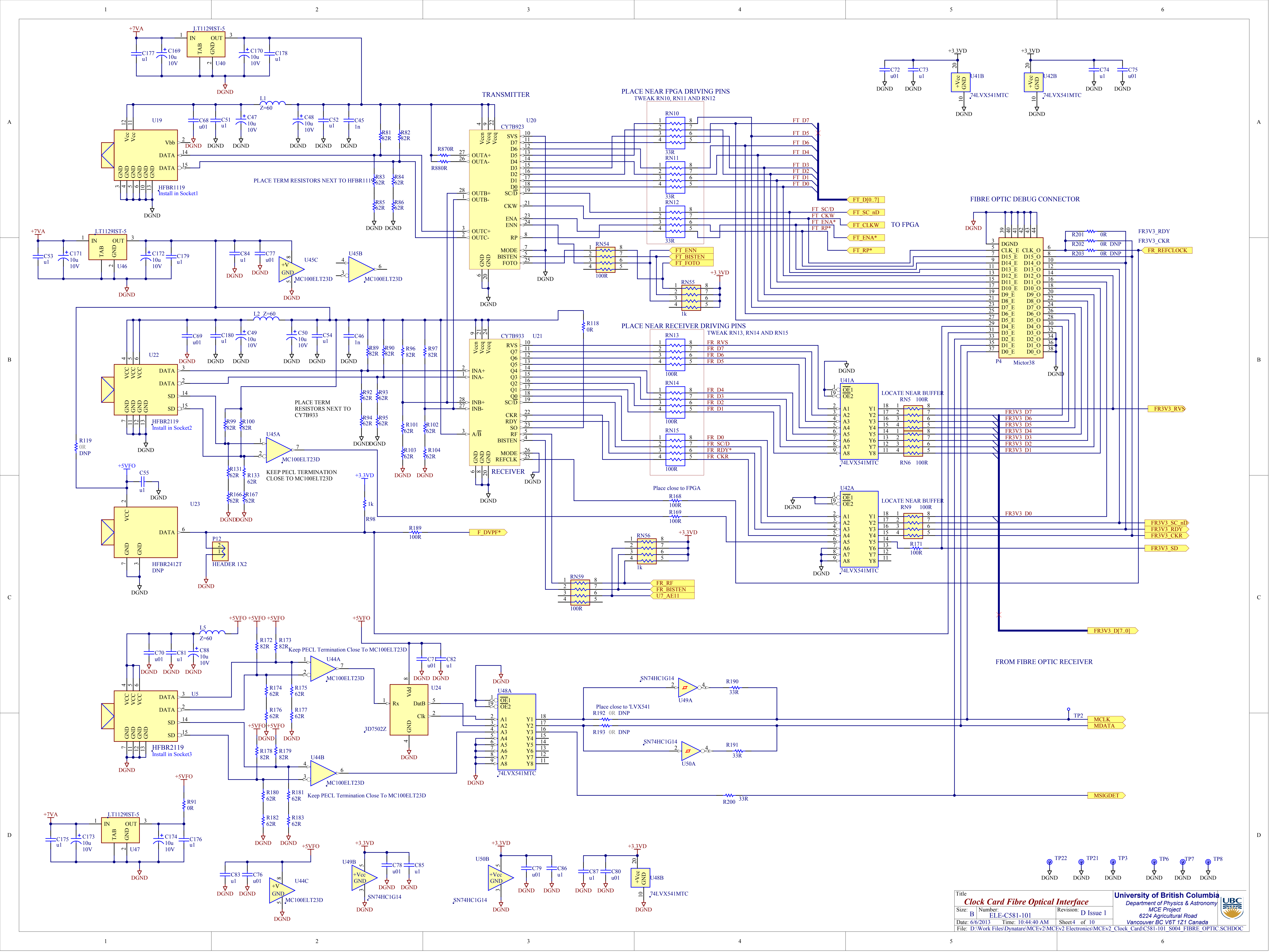
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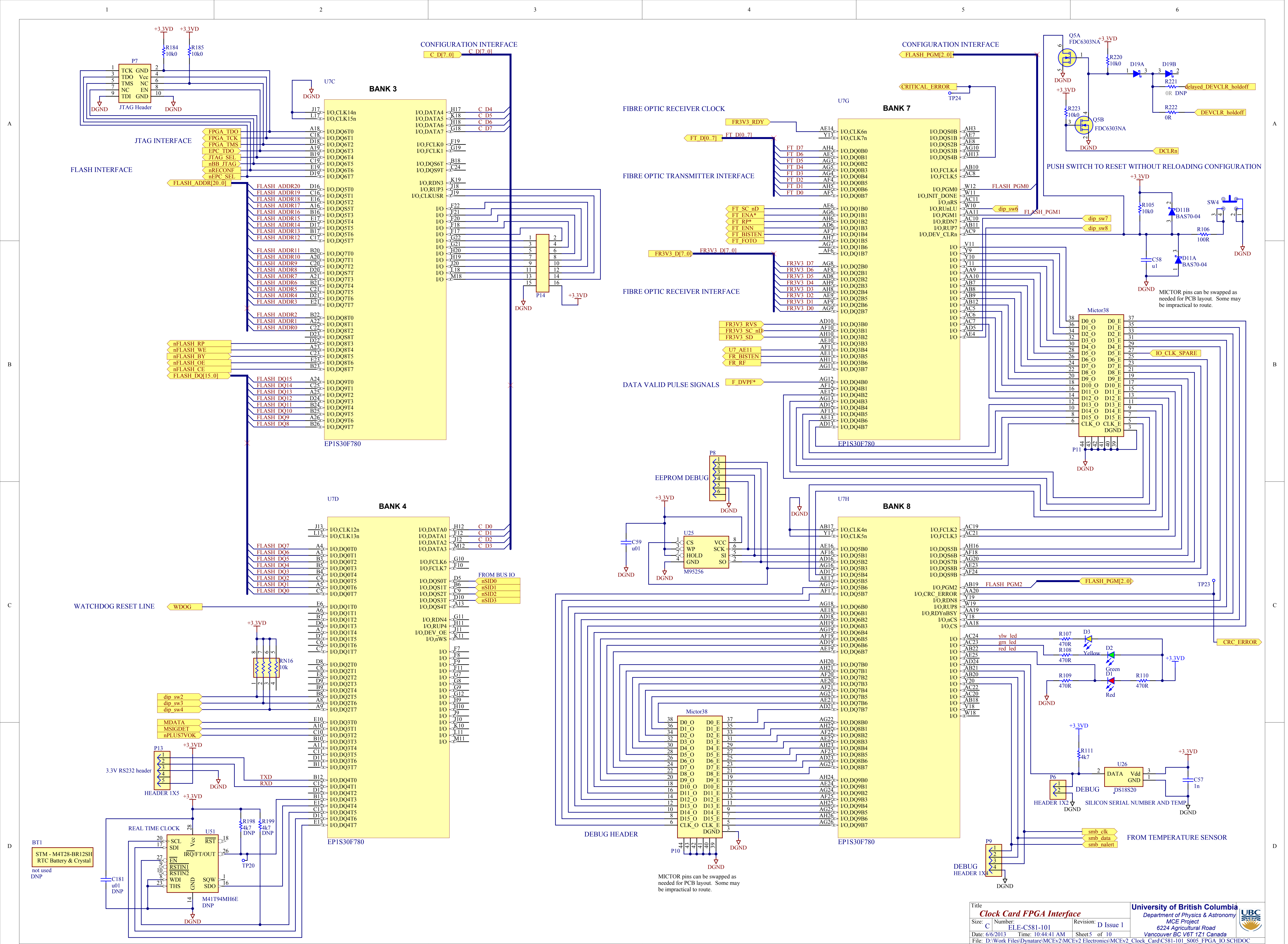
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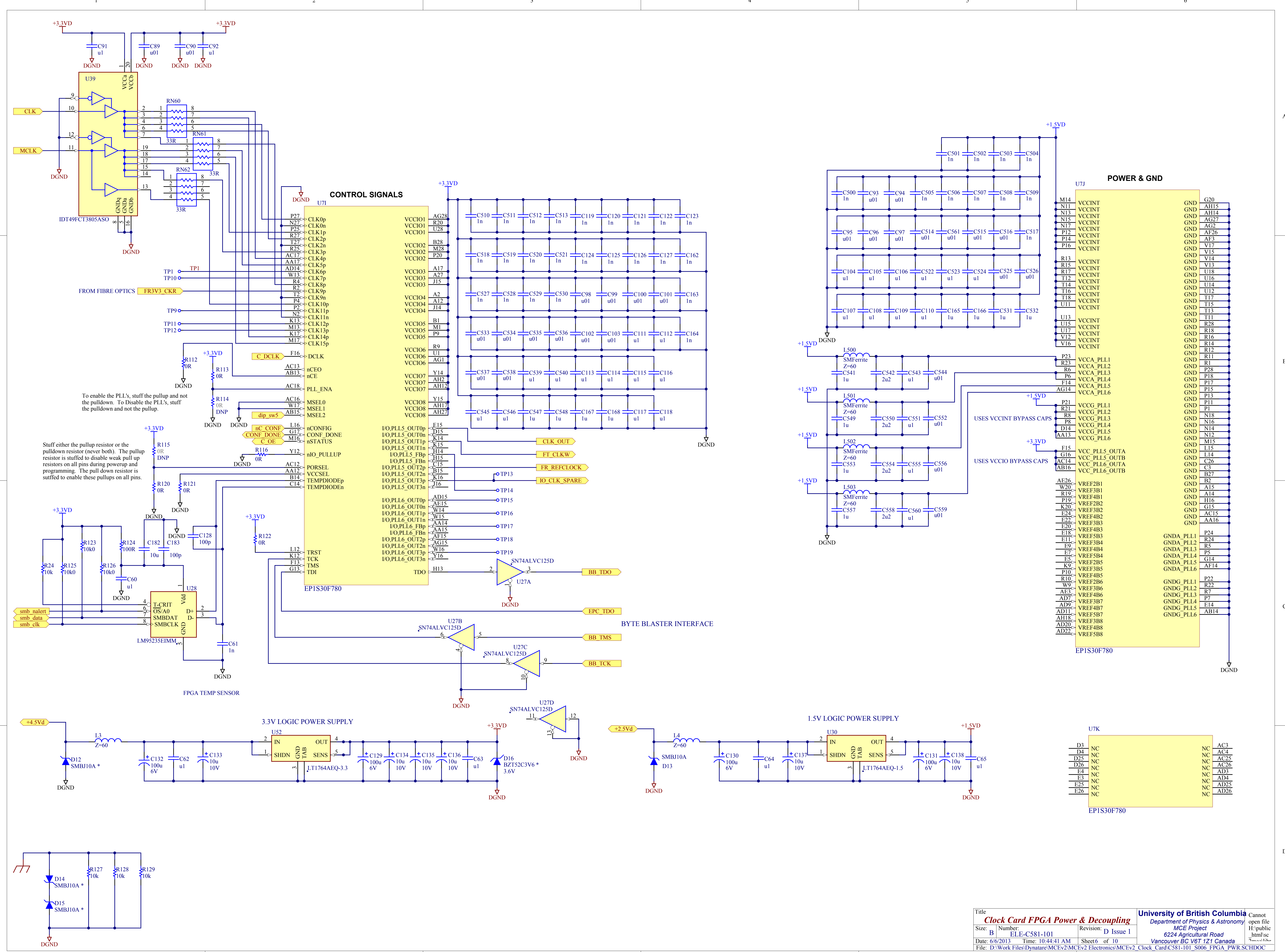
BUS INTERFACES



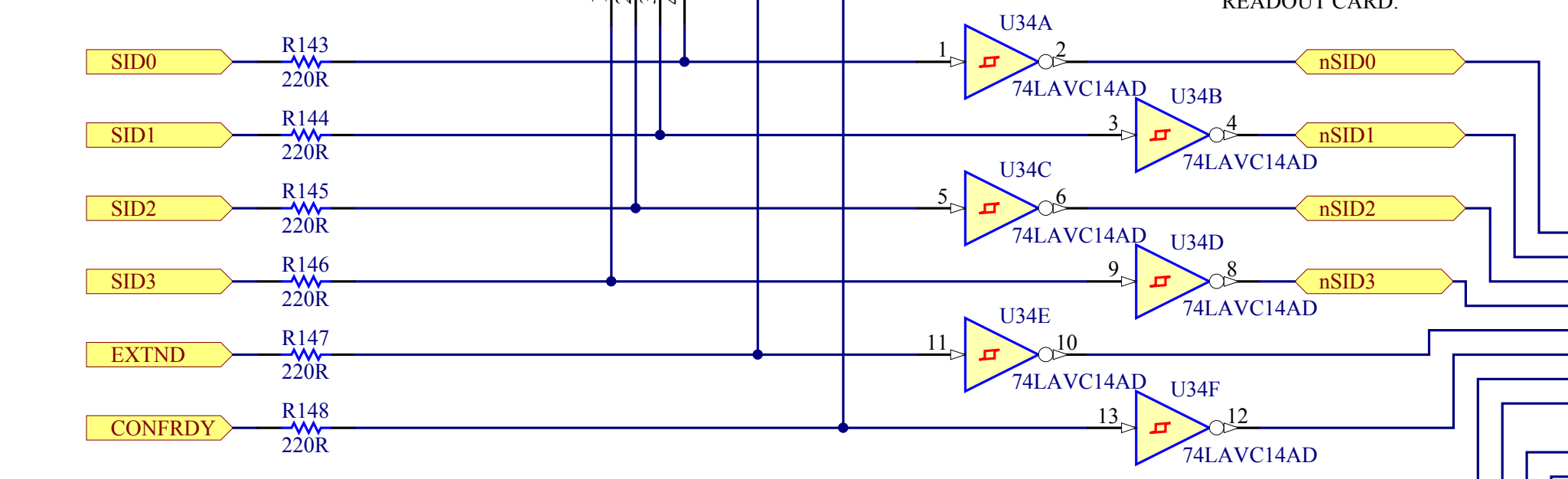




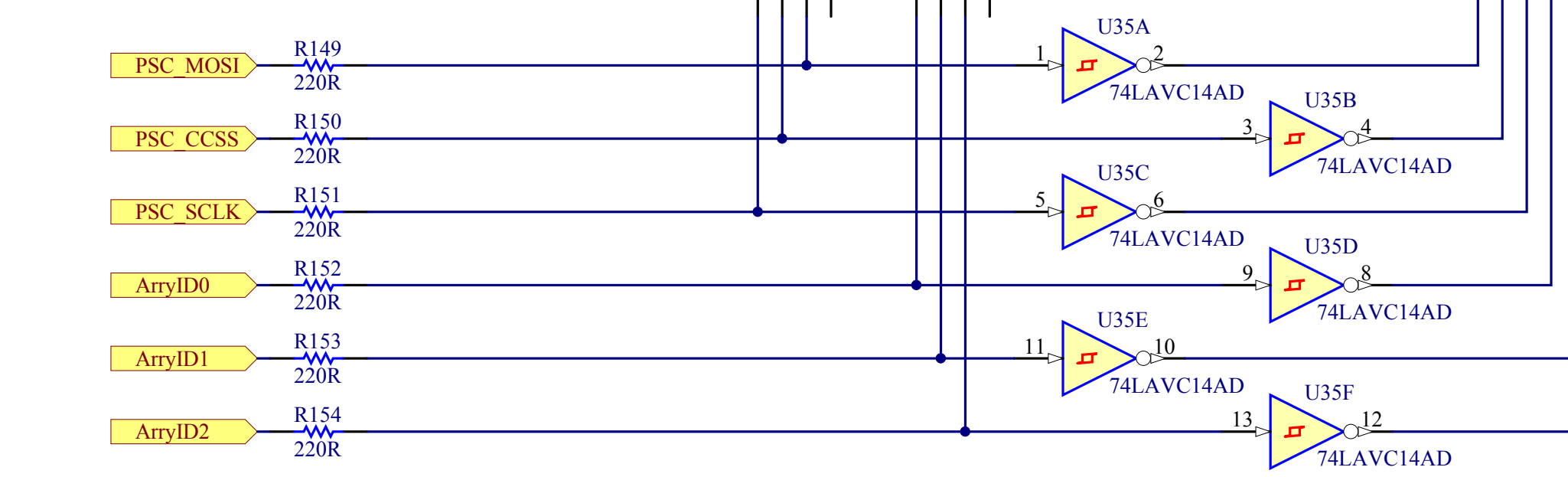




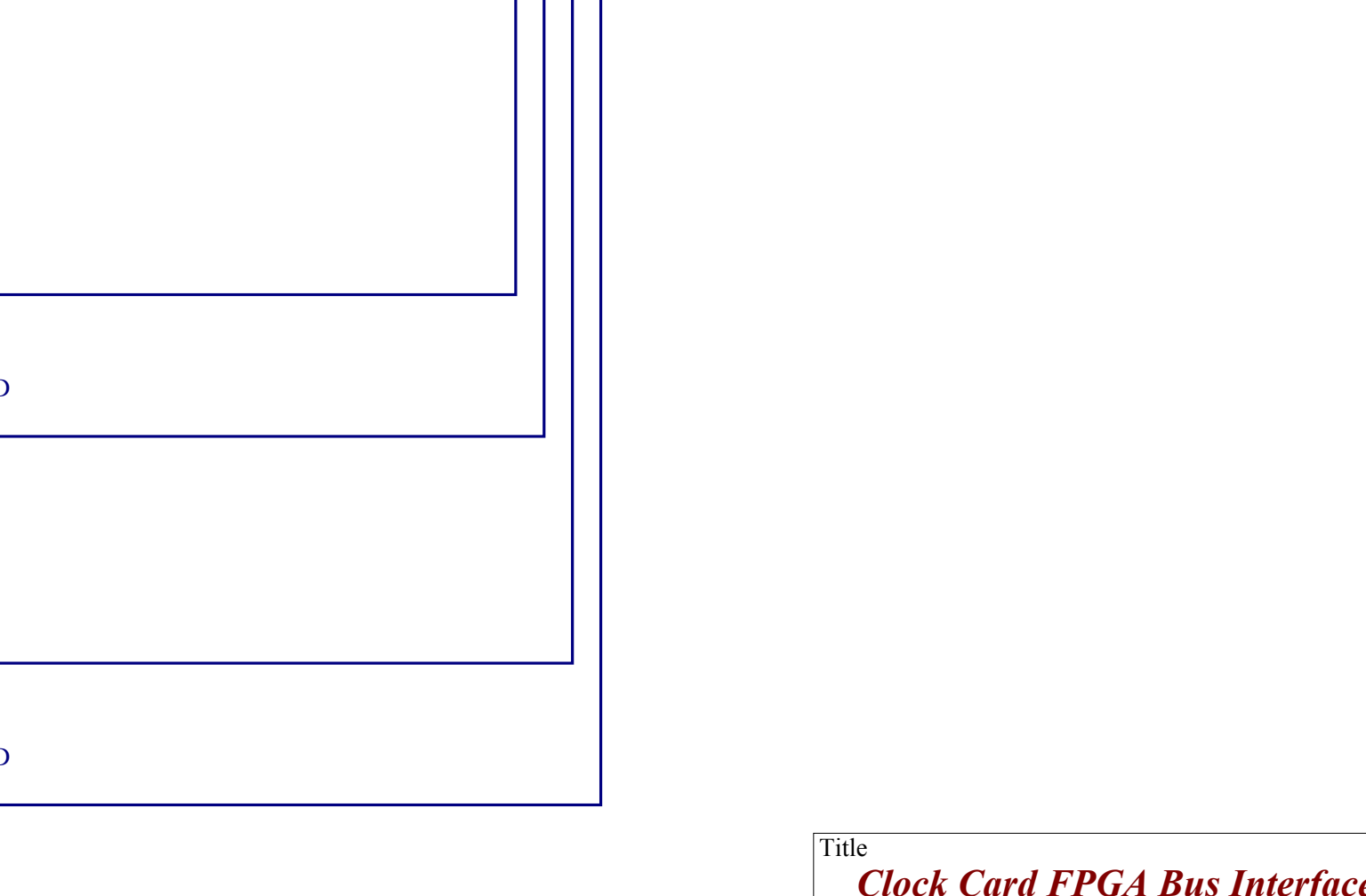
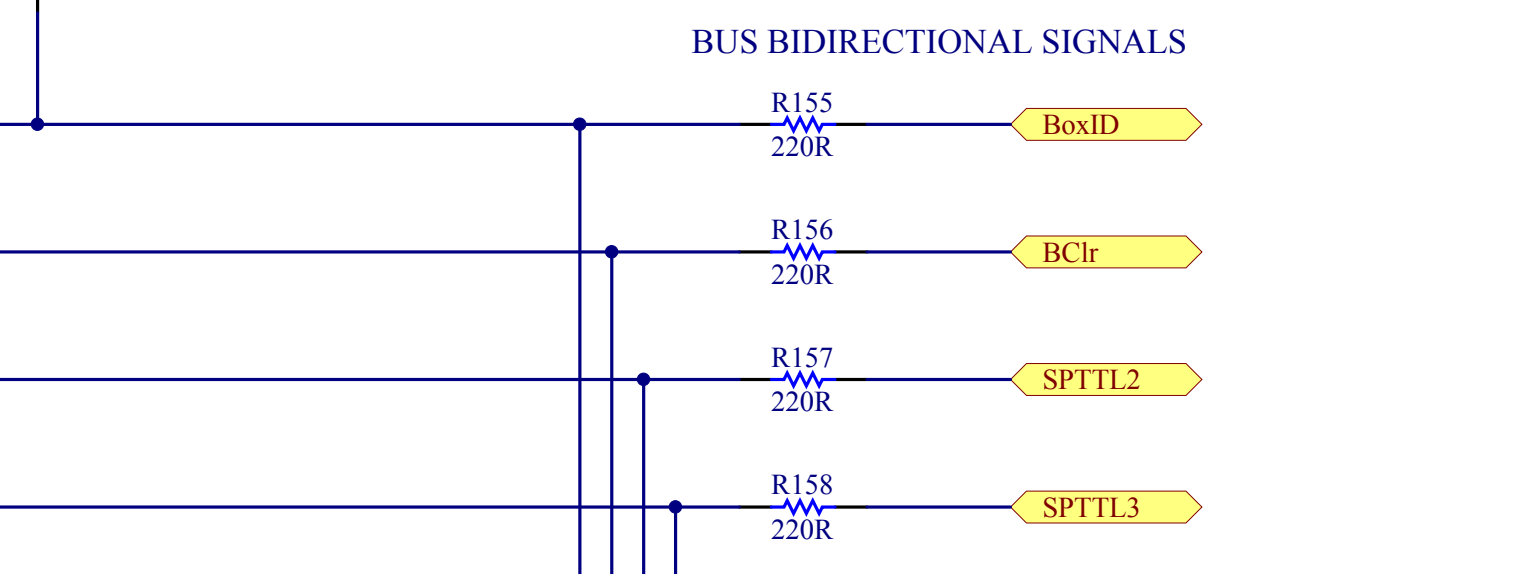
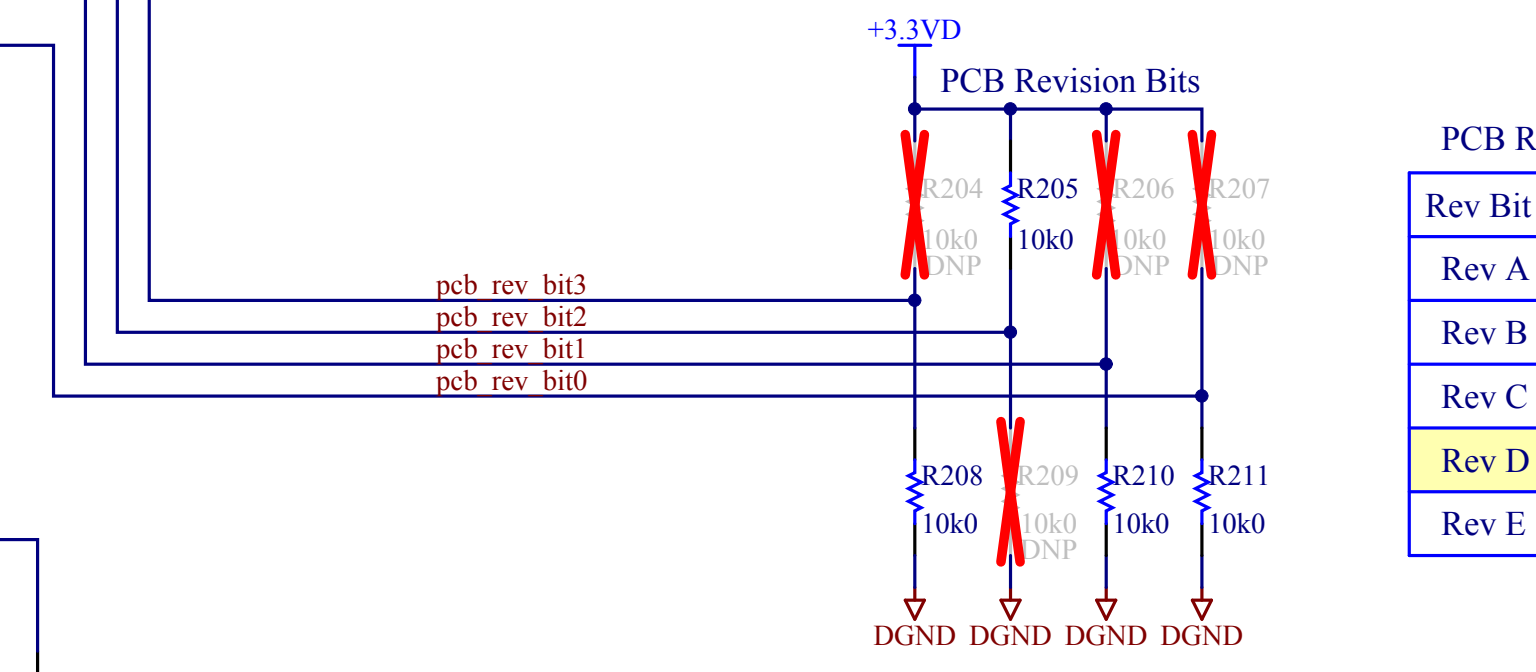
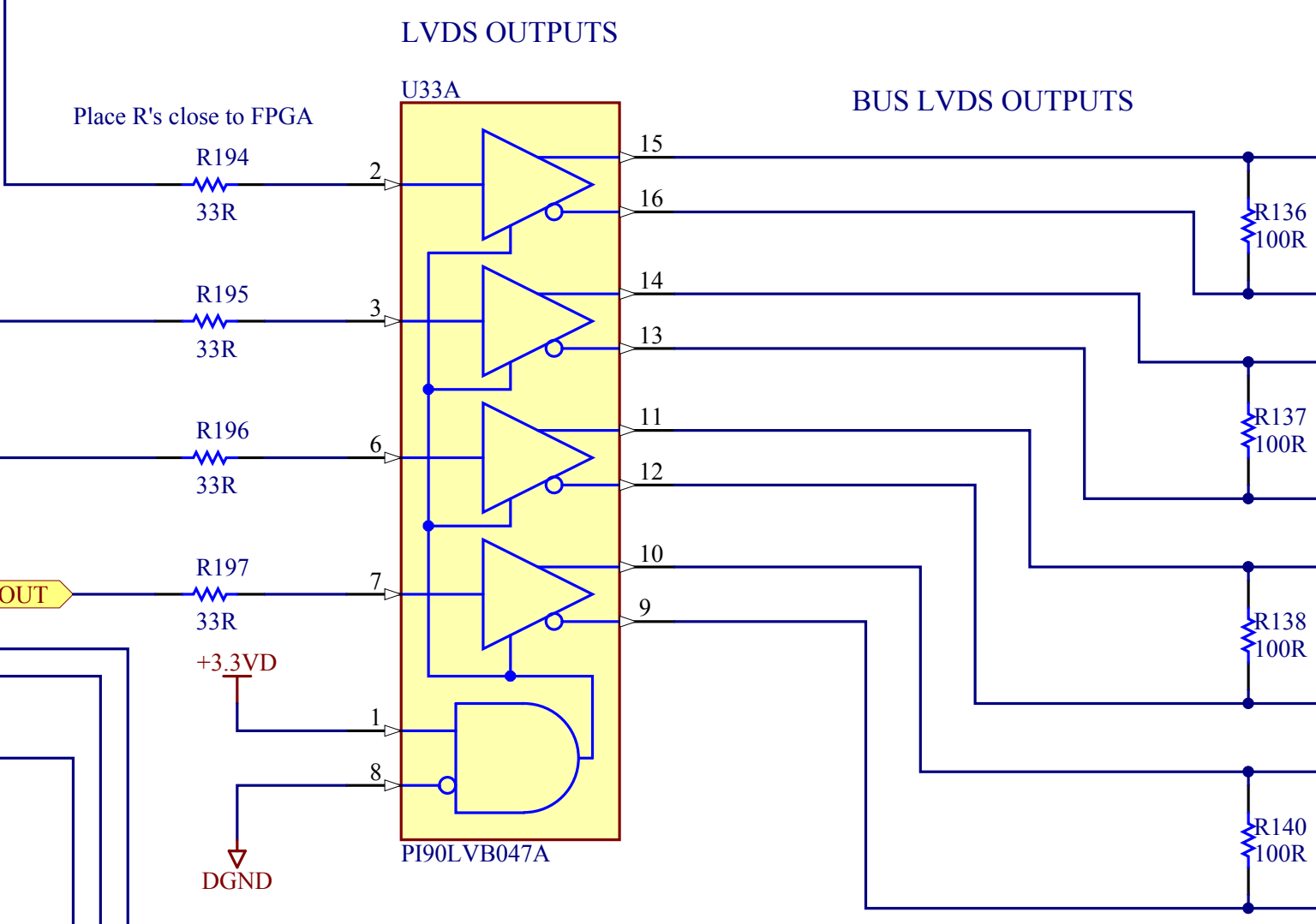
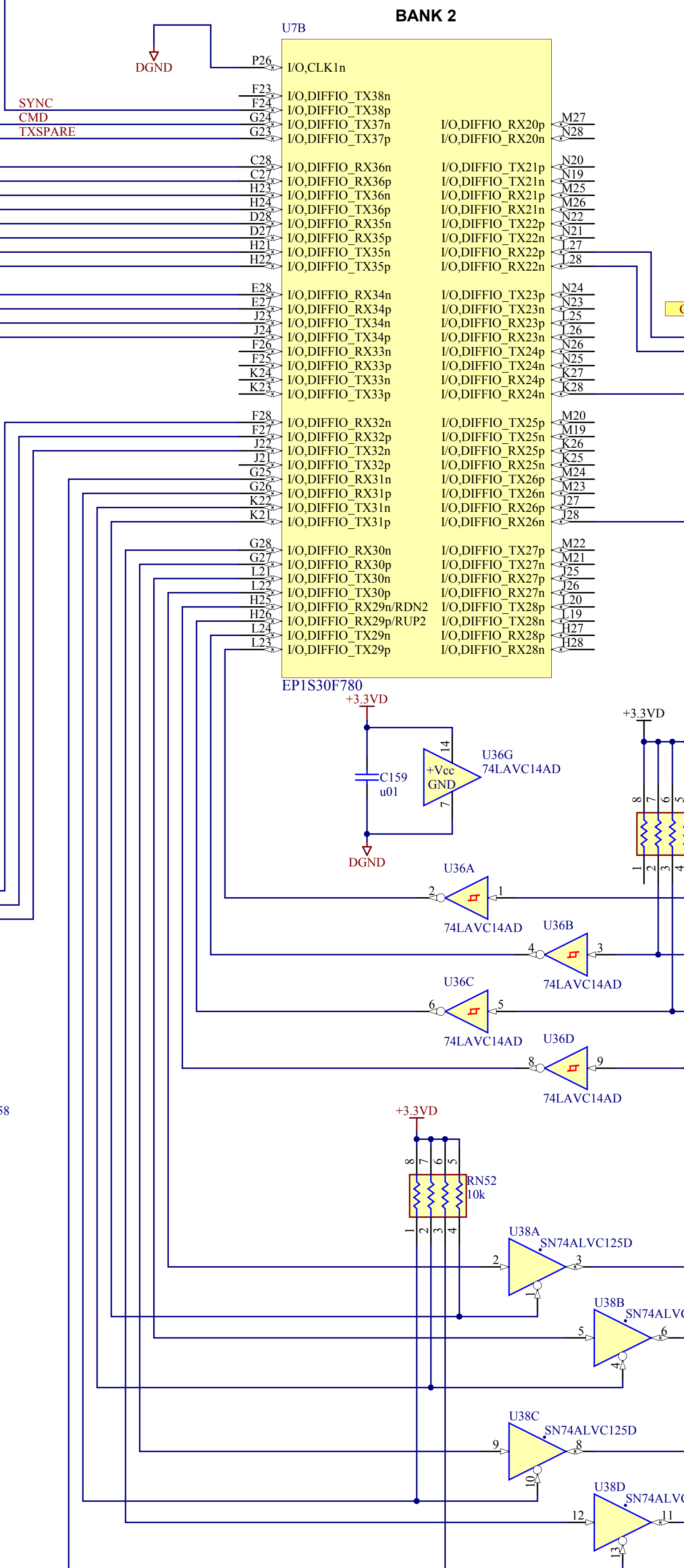
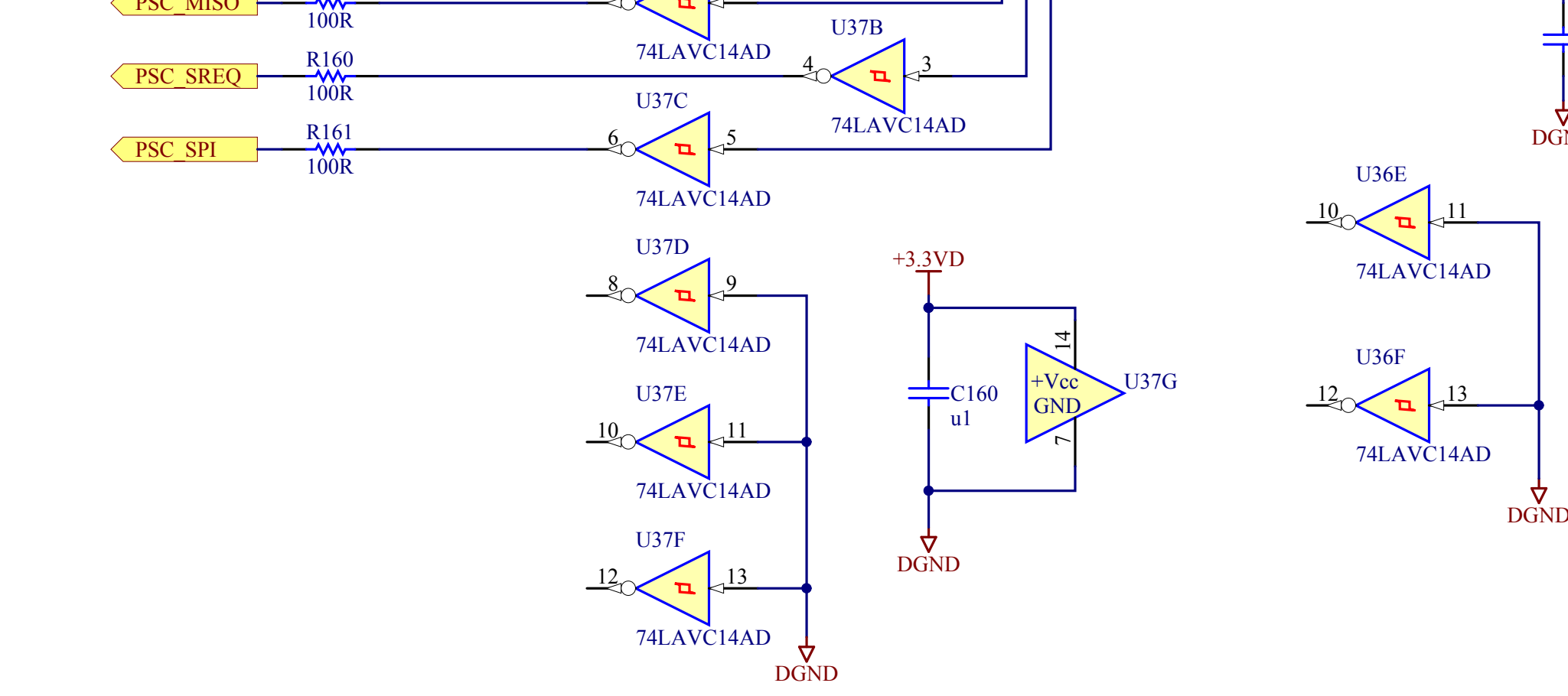
BUS CARD INPUTS



BUS CARD INPUTS



BUS OUTPUTS



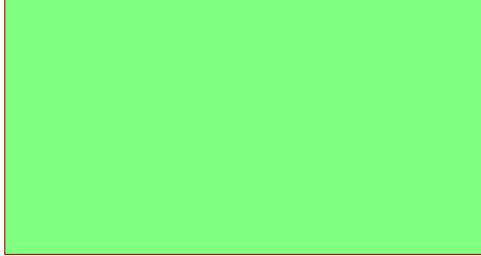
PCB Revision Bit Table

Rev Bit	b3	b2	b1	b0
Rev A	0	0	0	1
Rev B	0	0	1	0
Rev C	0	0	1	1
Rev D	0	1	0	0
Rev E	0	1	0	1

	1	2	3	4	5	6
A						A
B						B
C						C
D						D

SHEET 1

C581-101_S001_BUS.SCHDOC;C581-101_S002_LVDS.SCHDOC;C581-101_S003_CONFIG.SCHDOC;C581-101_S004_FIBRE_OPTIC.SCHDOC;C581-101_S005_FPGA_IO.SCHDOC;C581-101_S006_FPGA_PWR.SCHDOC;C581-101_S007_SRAM.SCHDOC;C581-101_S008_FPGA_BUSIO.SCHDOC;C581-101_S009_MECH.SchDoc



Issue 1

Title <i>Clock Card Top Level</i>			University of British Columbia <i>Department of Physics & Astronomy MCE Project 6224 Agricultural Road Vancouver BC V6T 1Z1 Canada</i> 
Size: B	Number: ELE_S581_101	Revision: D	
Date: 6/6/2013	Time: 10:44:42 AM	Sheet9 of 10	
File: D:\Work Files\Dynatare\MCEv2\MCEv2 Electronics\MCEv2_Clock_Card\C581-101_S000_TOP.SCHDOC			

A

B

C

D

A

B

C

D

TO-220 Heatsink Assembly

Type: Hardware
Manufacturer: Pacific Fastener
Part Number:

Mech1

Type: Hardware
Manufacturer: Pacific Fastener
Part Number:

Mech2

Manufacturer: Mill-Max
Part Number: 110-93-316-41-001

Socket1

Manufacturer: Mill-Max
Part Number: 110-93-316-41-001

Socket2

Manufacturer: Mill-Max
Part Number: 110-93-316-41-001

Socket3

Manufacturer: Mill-Max

Socket4

Note for Socket 4:

8 Pin 2x4 0.1" Header Machined
Pins with manuf # modified from
410-93-210-41-001

Front Panel Mouting Assembly

Manufacturer: Rittal
Part Number: 3686-902

Mech3

Manufacturer: Rittal
Part Number: 3686-903

Mech4

Manufacturer: PHAS-MS
Part Number: SC2-ELE-S581-110

Mech8

Mechanical Part Add to BOM:
SC2-MEC-S581-111
000655 MEC

Mech7

Manufacturer: Rittal
Part Number: 3685-198 (10/pack)

Mech11

Manufacturer: Rittal
Part Number: 3685-198 (10/pack)

Mech12

Type: Hardware

Mech15

Type: Hardware

Mech16

Type: Hardware

Mech19

Type: Hardware

Mech20

Type: Hardware

Mech21

Type: Hardware

Mech22

Use UBC Logo
Use UBC Logo
PCB Part Number for BOM: ELE-C581-101