

1

2

3

4

5

6

A

A

B

B

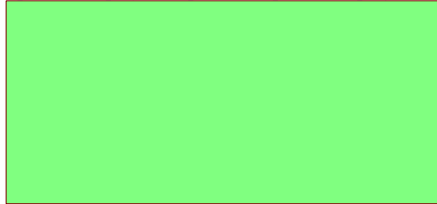
C

C

D

D

Bias Card Master Sheet
 BC_Interface.SCHDOC:BC_Config.SCHDOC:BC_FPGA1.SCHDOC:BC_FPGA2.SCHDOC:BC_Analog.SCHDOC:BC_SA_Hr.SCHDOC:BC_Low_Noise_Bias.SCHDOC:BC_Mechanical.SchDoc




Use UBC Logo
 Use UBC Logo

Add Fiducial Point
 FP1
 Add Fiducial Point
 FP2
 Add Fiducial Point
 FP3
 Add Fiducial Point
 FP4

Fiducials should be located in the four corners of the PCB board.
 Fiducials should be at least 1mm from the edge of the board.

Schematic Valid For: Variant name not interpreted

Title		SCUBA2 Bias Card		University of British Columbia	
Size: C		Number: ELE-C583-101		Department of Physics & Astronomy	
Date: 1/4/2010		Time: 11:47:47 AM		SCUBA2 Project	
File: BC_MasterSheet.SCHDOC		Revision: E issue 0		6224 Agricultural Road	
		Sheet 0 of 12		Vancouver BC V6T 1Z1 Canada	
					

1

2

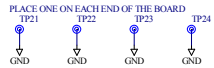
3

4

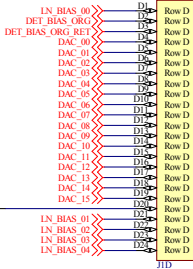
5

6

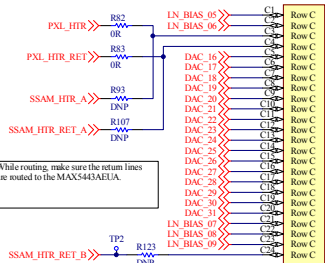
7



ECO-036 Allows for each Bias Card to drive a DET_BIAS signal

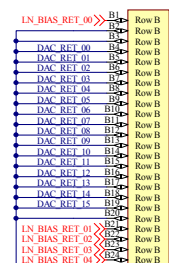


ECO-036 Disconnects PXL_HTR and PXL_HTR_RET

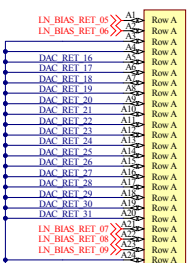


While routing, make sure the return lines are routed to the MAX5443AEUA.

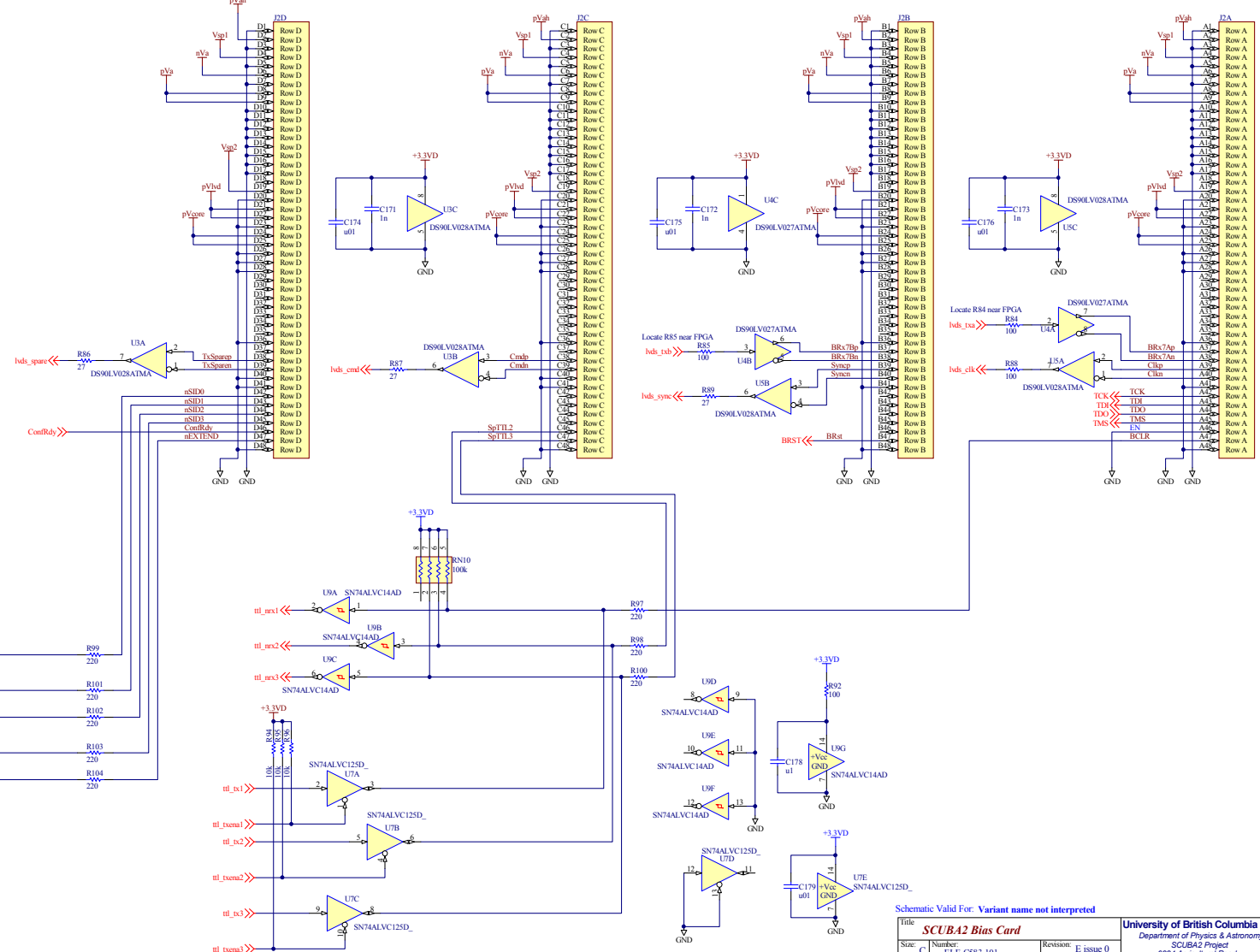
While routing, make sure the return lines are routed to the MAX5443AEUA.

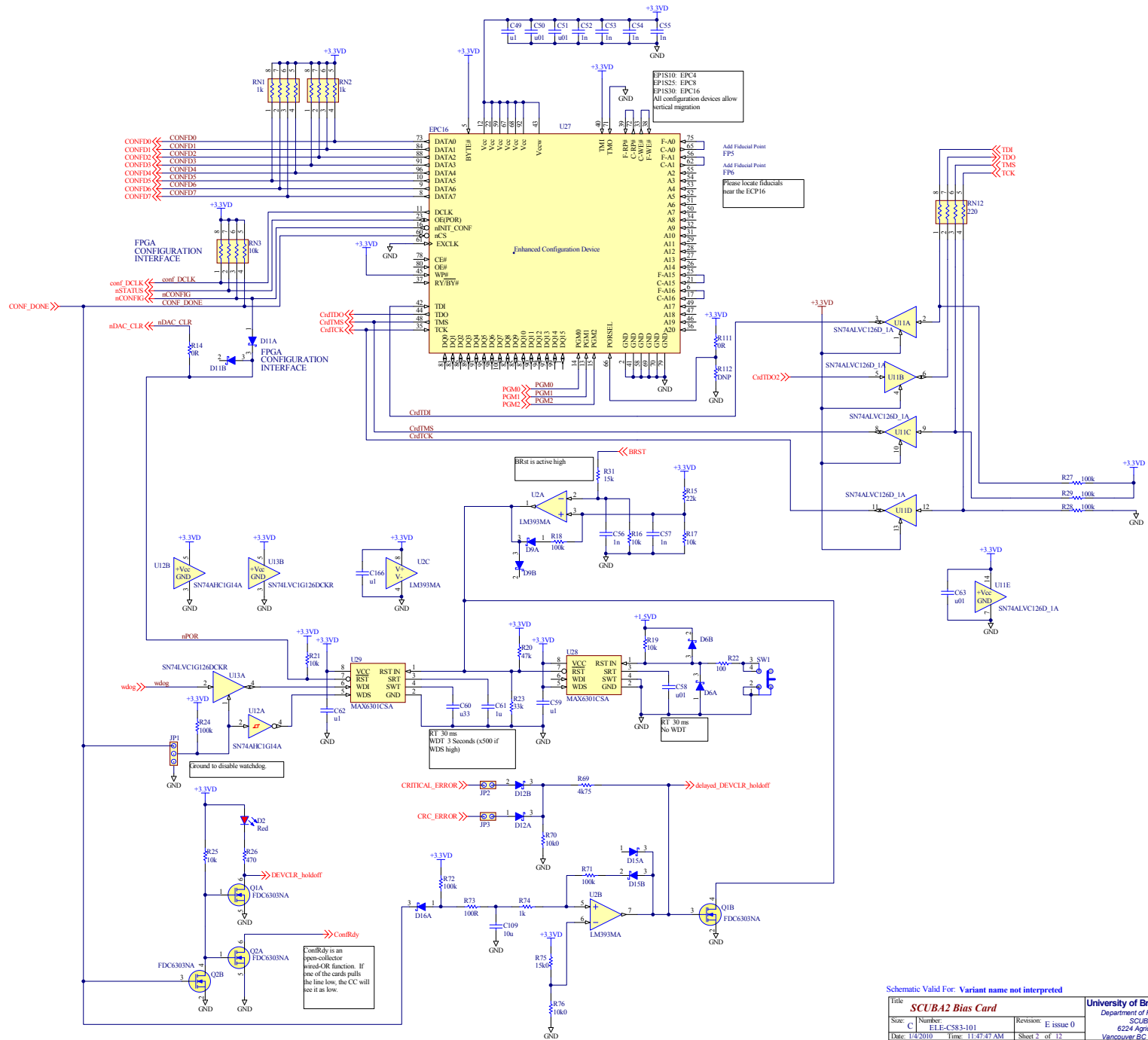


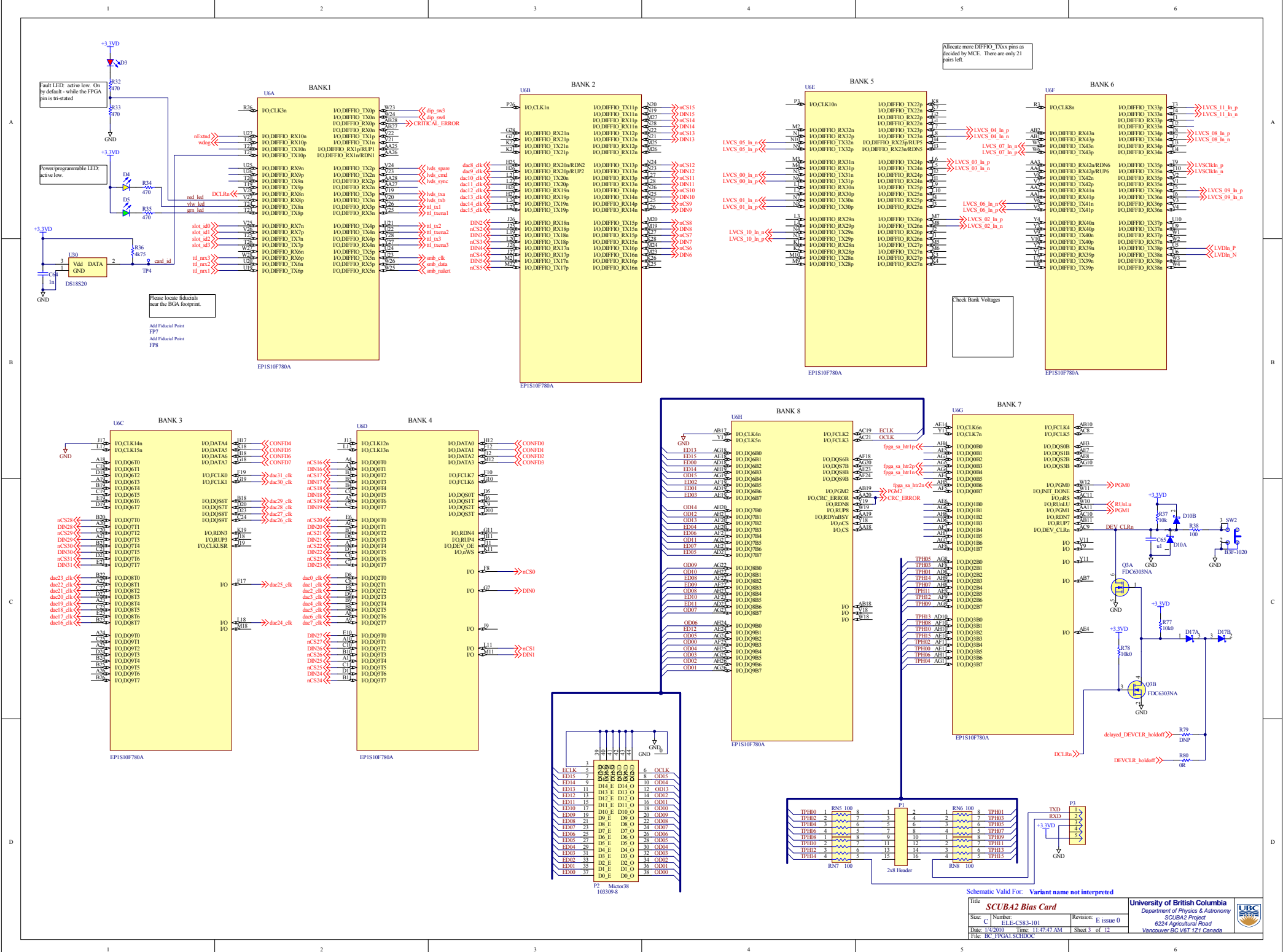
While routing, make sure the return lines are routed to the MAX5443AEUA.



Bias Card - Slot 8







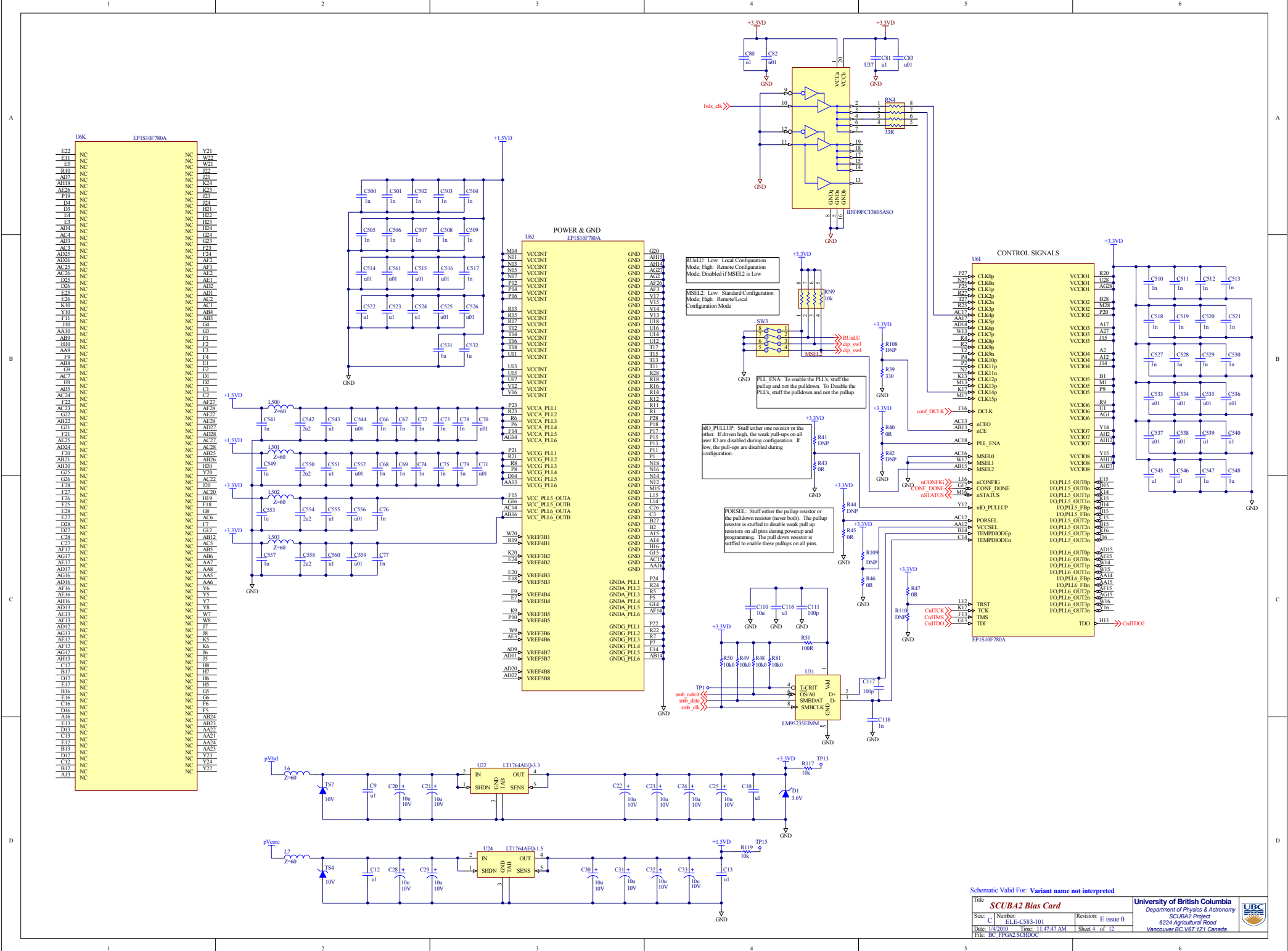
Allocate more DIFFIO_TXxx pins as headed by MCE. There are only 21 pins left.

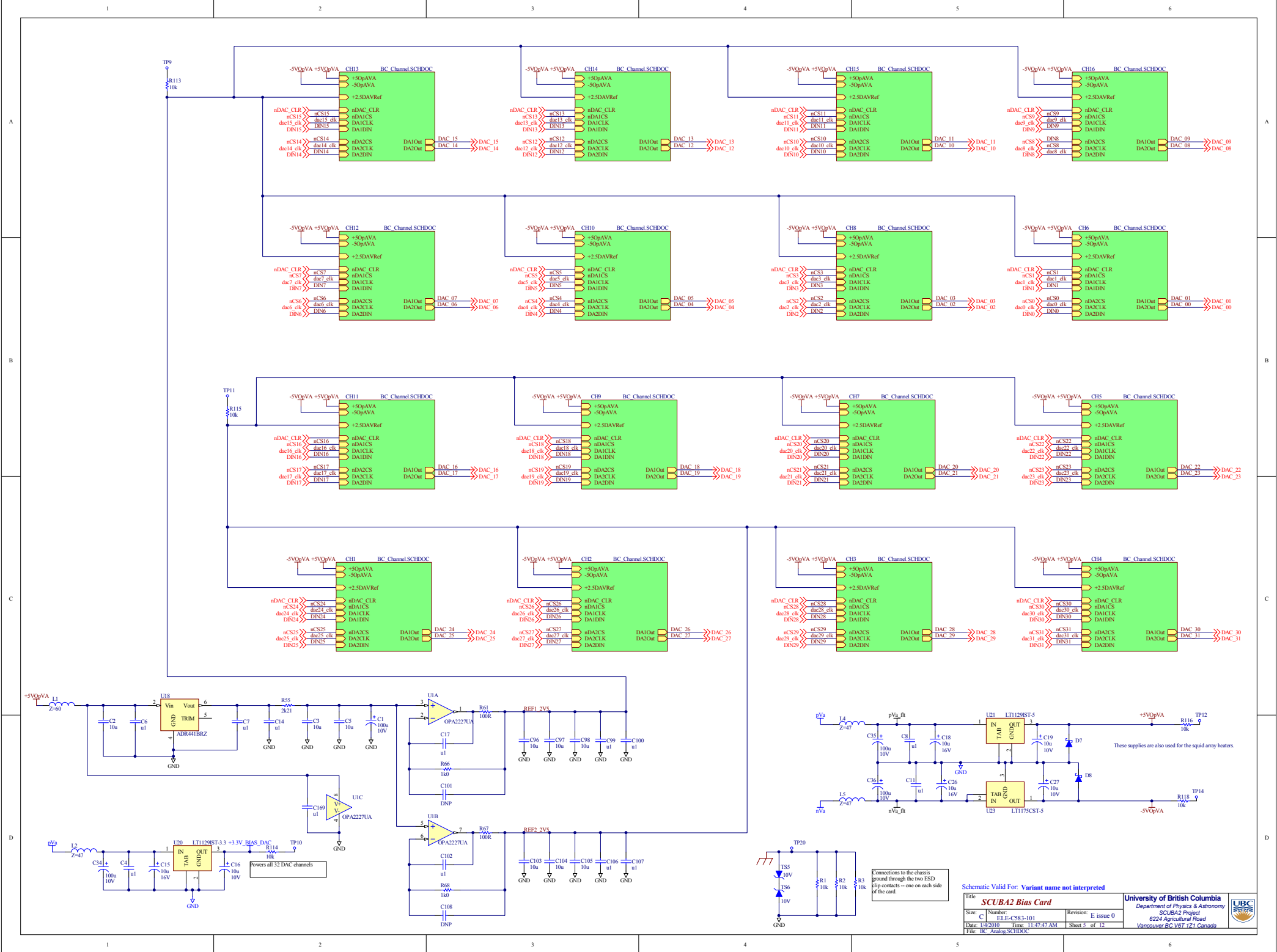
Please locate fiducials near the BGA footprint.

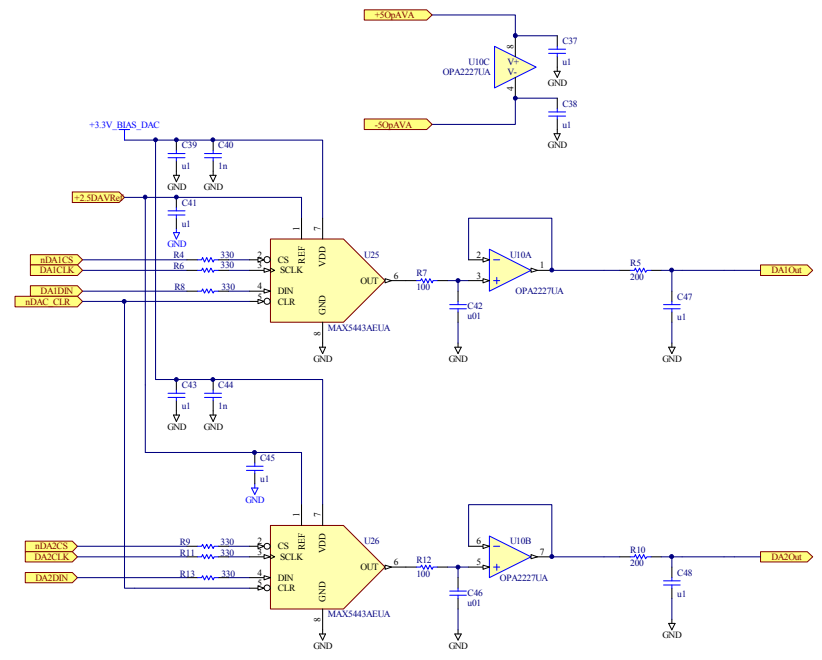
Add Fiducial Point
FP7
Add Fiducial Point
FP8

Check Bank Voltages


Schematic Valid For: Variant name not interpreted

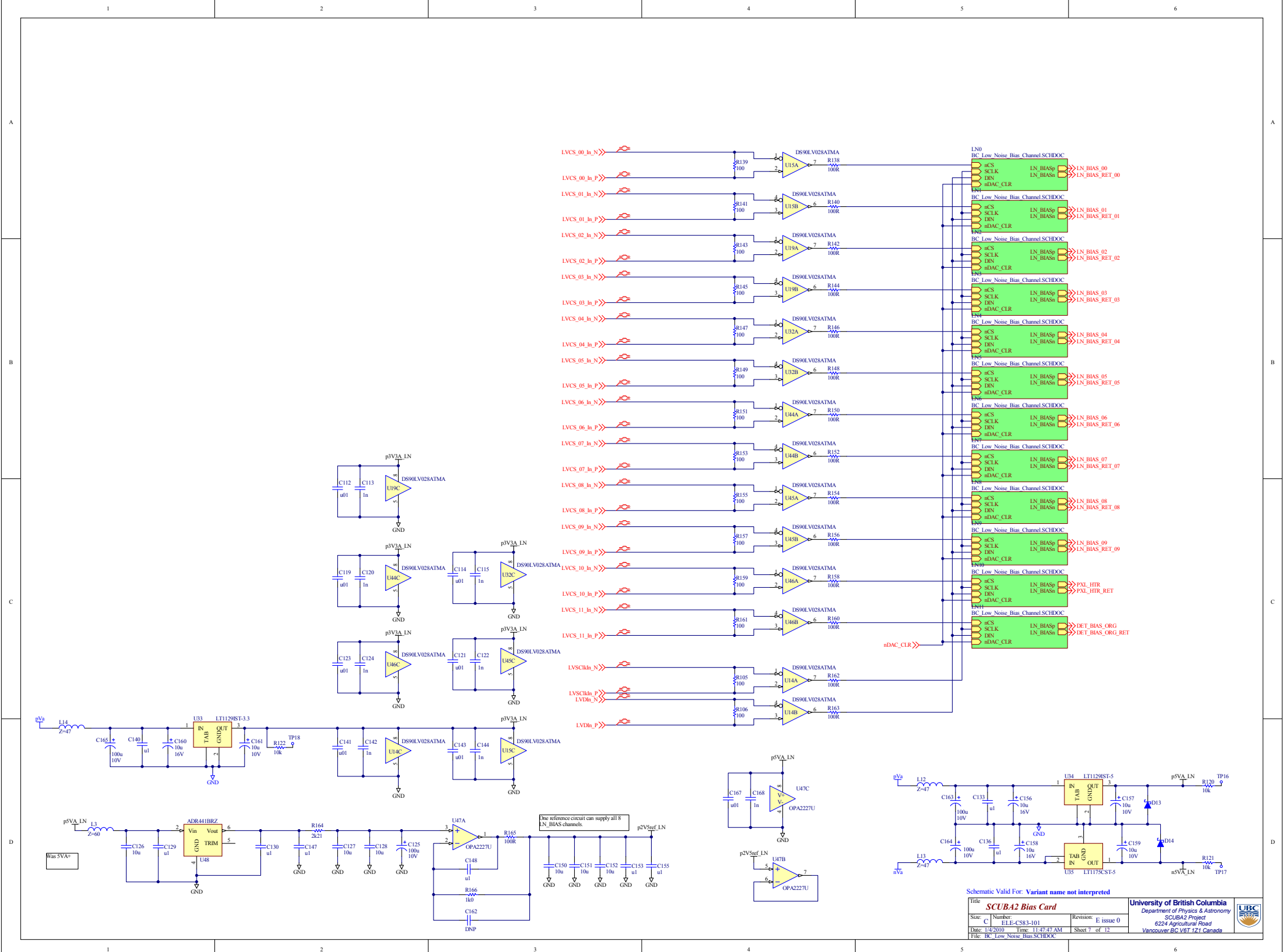


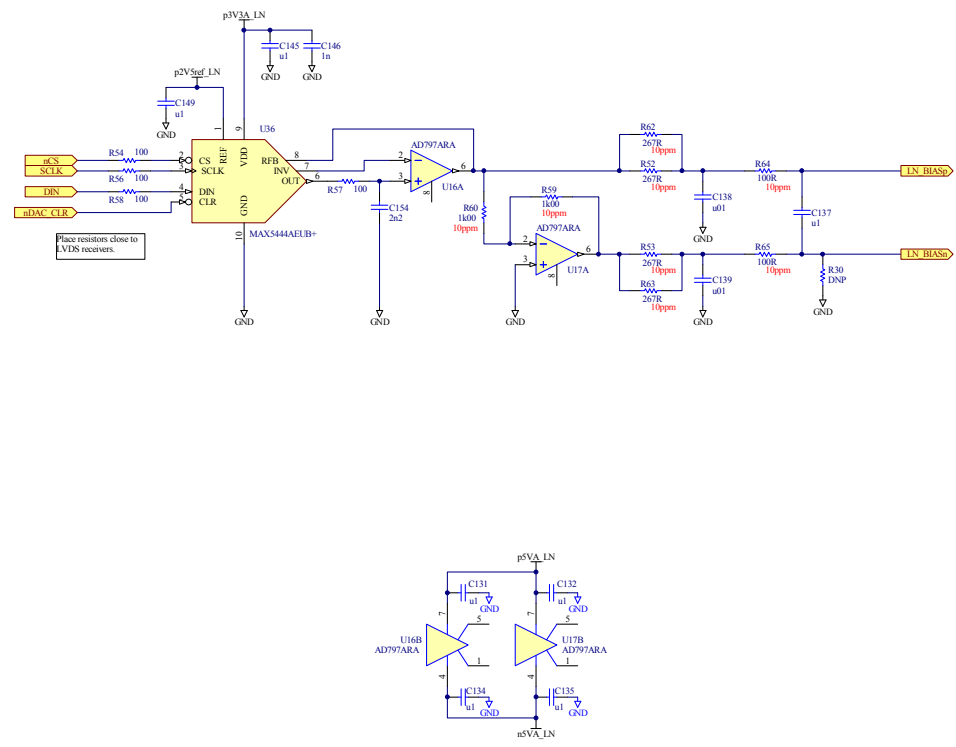




Schematic Valid For: Variant name not interpreted

Title: SCUBA2 Bias Card		University of British Columbia Department of Physics & Astronomy		
Size: C	Number: ELE-C583-101	Revision: E issue 0	SCUBA2 Project 6224 Agricultural Road Vancouver BC V6T 1Z1 Canada	
Date: 1/4/2010	Time: 11:47:47 AM	Sheet 6 of 12		
File: B_C Channel SCUBA2				

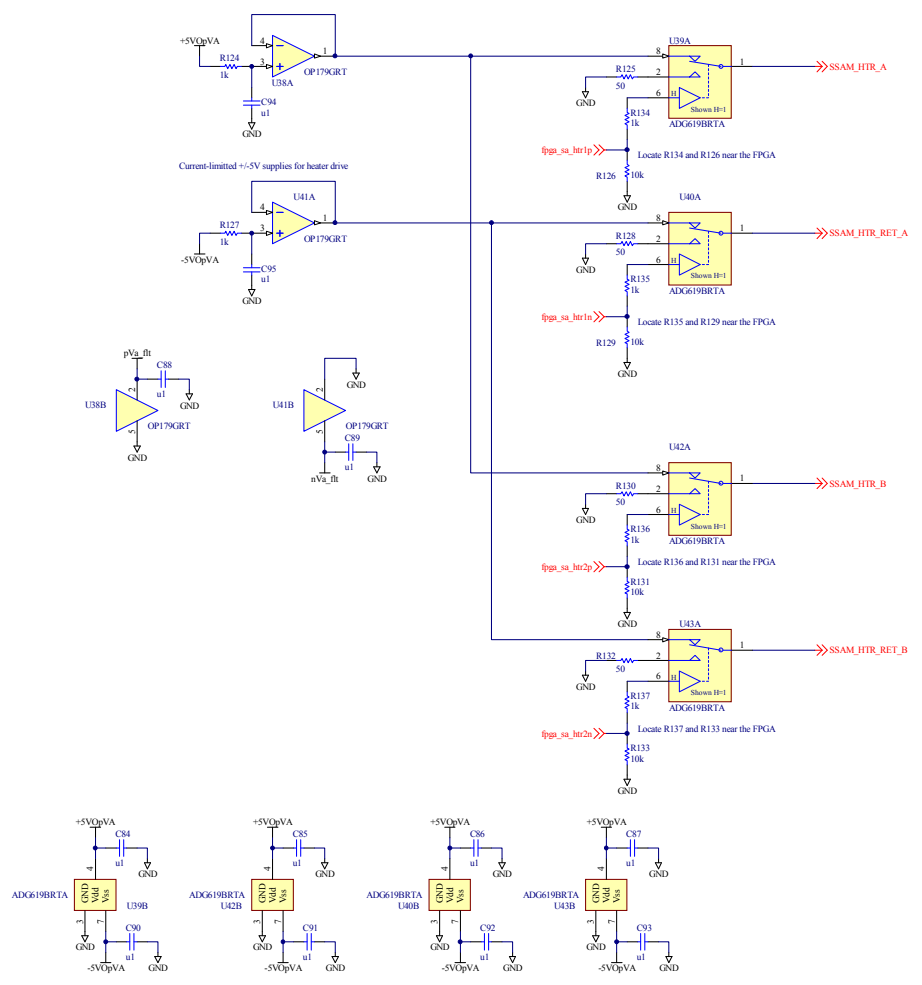




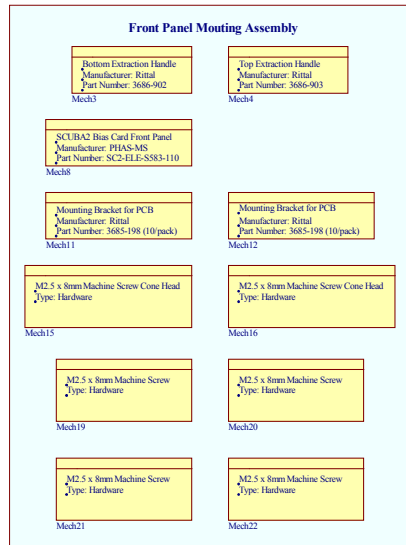
Schematic Valid For: Variant name not interpreted

Title		SCUBA2 Bias Card		University of British Columbia	
Size: C		Number: ELE-C583-101		Department of Physics & Astronomy	
Date: 1/4/2010		Revision: E issue 0		SCUBA2 Project	
File: B_Low_Noise_Bias_Channel_SCH.DOC		Sheet 8 of 12		6224 Agricultural Road	
				Vancouver BC V6T 1Z1 Canada	





Schematic Valid For: Variant name not interpreted



PCB Part Number for BOM: ELE-C583-101E

Schematic Valid For: Variant name not interpreted

Title		SCUBA2 Bias Card-Squid Array Heater		University of British Columbia	
				Department of Physics & Astronomy	
Size: C		Number: ELE-C583-101	Revision: E issue 0	Electronics Lab	
Date: 1/4/2010	Time: 11:47:48 AM	Sheet 11 of 12	6224 Agricultural Road		
File: B:\Mechanical\SCHDoc			Vancouver BC V6T 1Z1 Canada		

