

ATS READYDOCK BACKPLANE
CIRCUIT SCHEMATIC CONTENTS

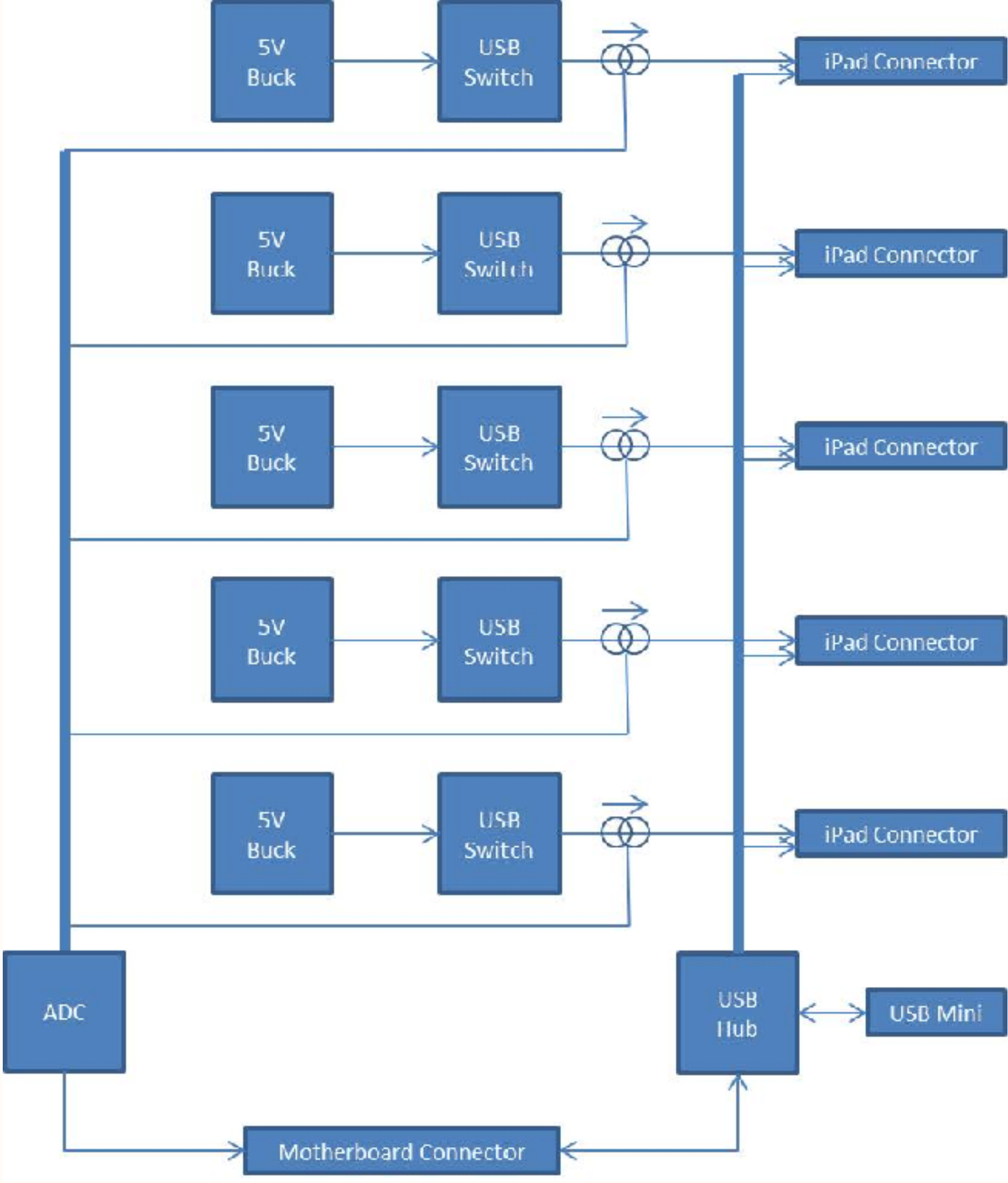
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Backplane Schematic Contents

Title: Backplane Schematic Contents			 SIGENIX ELECTRONIC SOLUTIONS PROVIDER
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ATS READYDOCK BACKPLANE BLOCK DIAGRAM



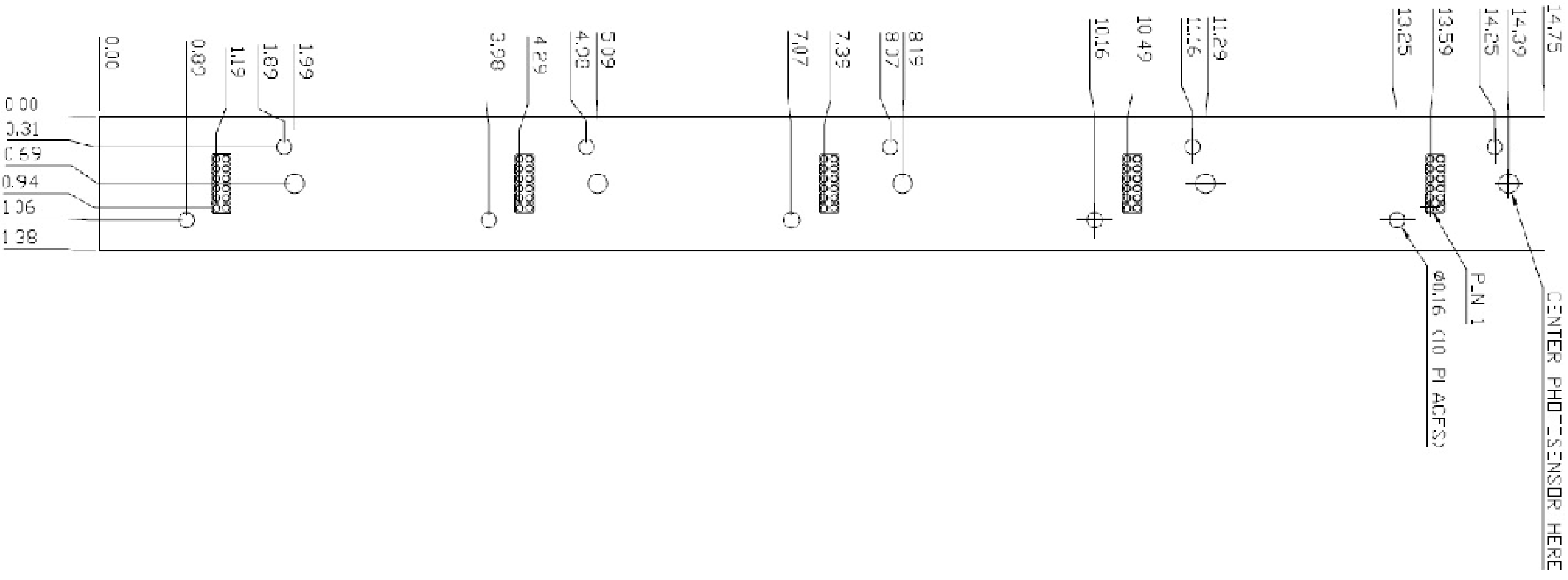
FD1 FD2 FD3 FD4

MTG1 MTG2 MTG3 MTG4 MTG5 MTG6 MTG7 MTG8 MTG9 MTG10

Backplane Block Diagram

Title: Backplane Block Diagram			 SIGENIX ELECTRONIC SOLUTIONS PROVIDER
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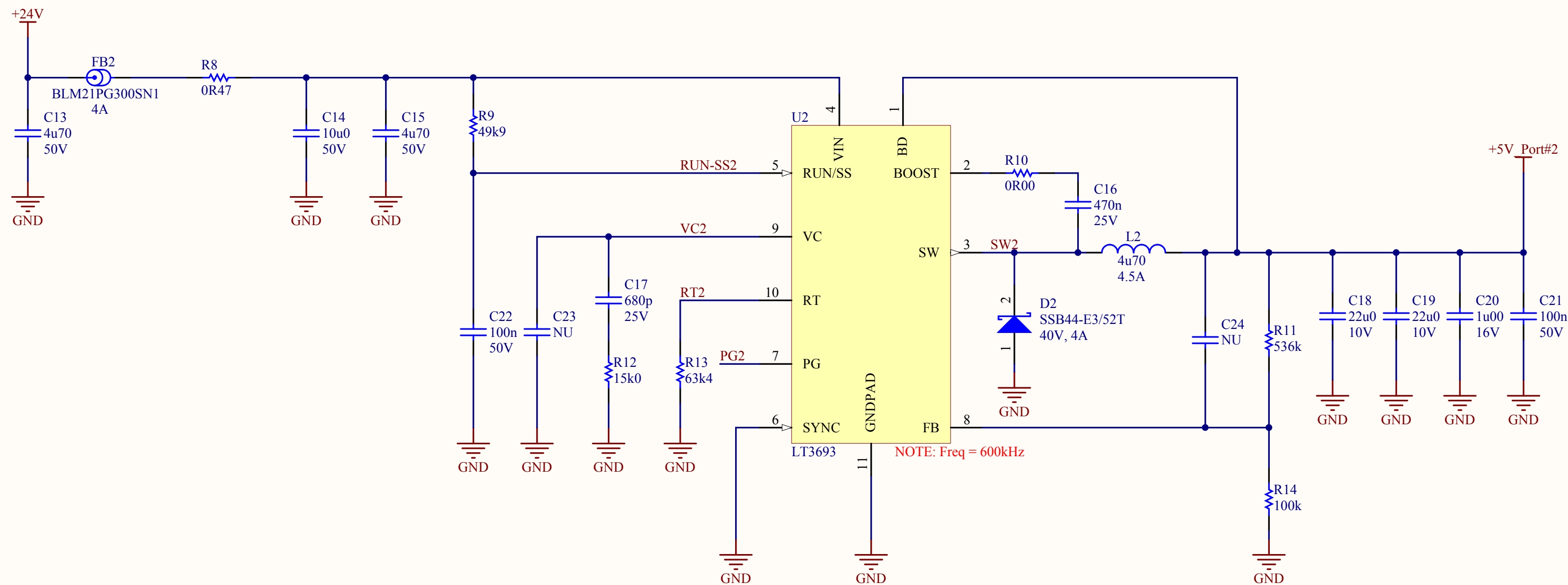
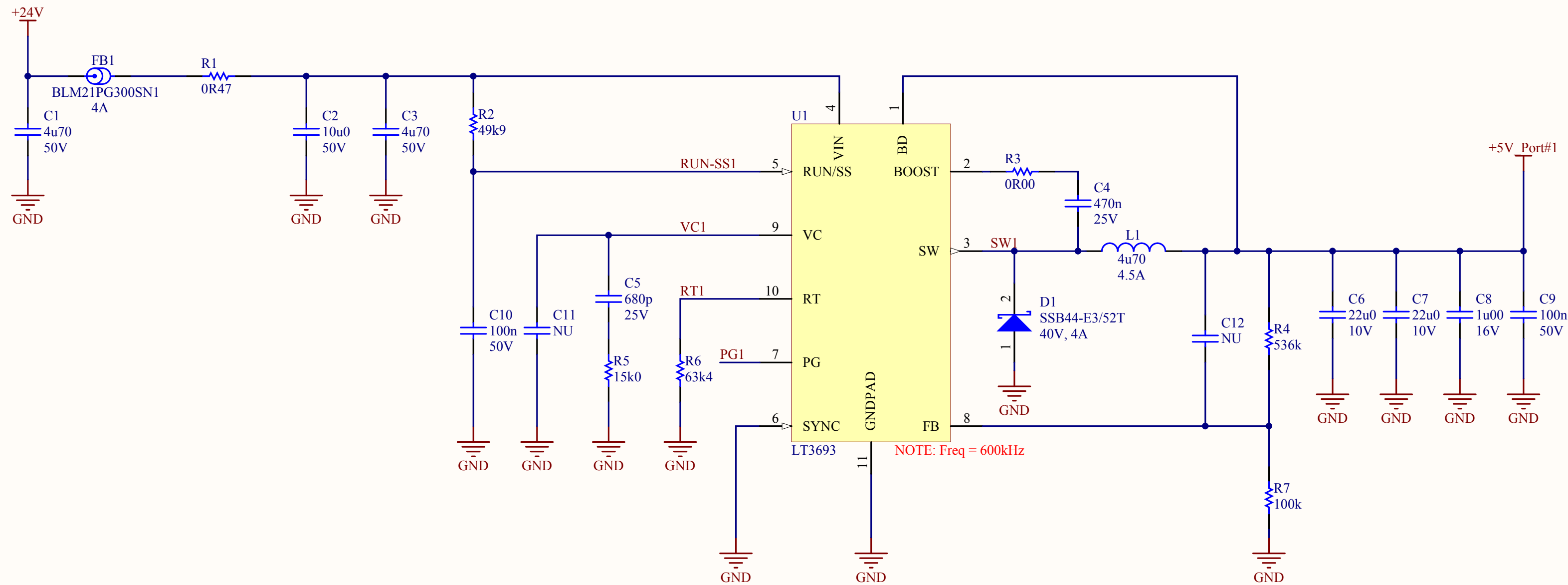
ATS READYDOCK BACKPLANE DIMENSIONS



Backplane PCB Dimensions

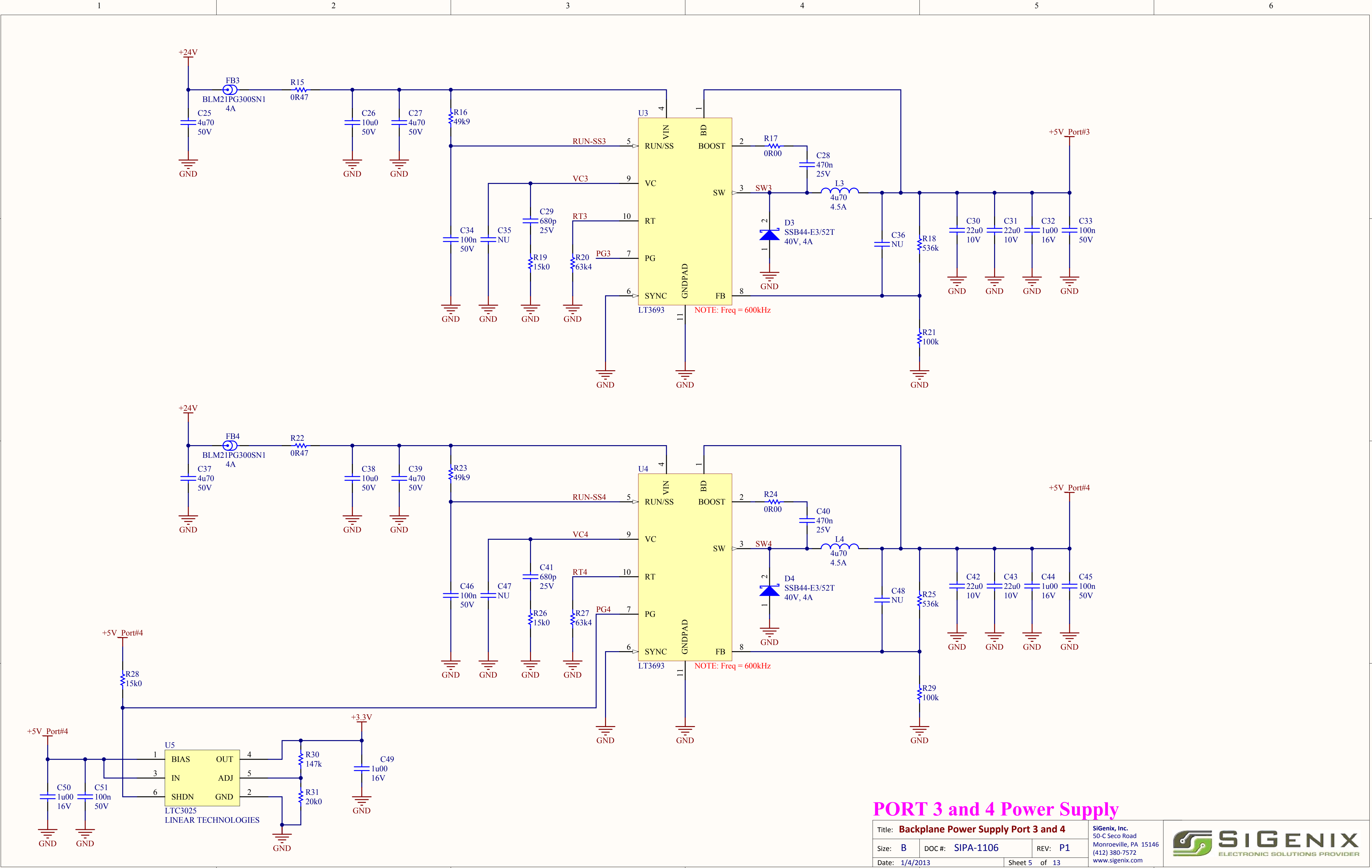
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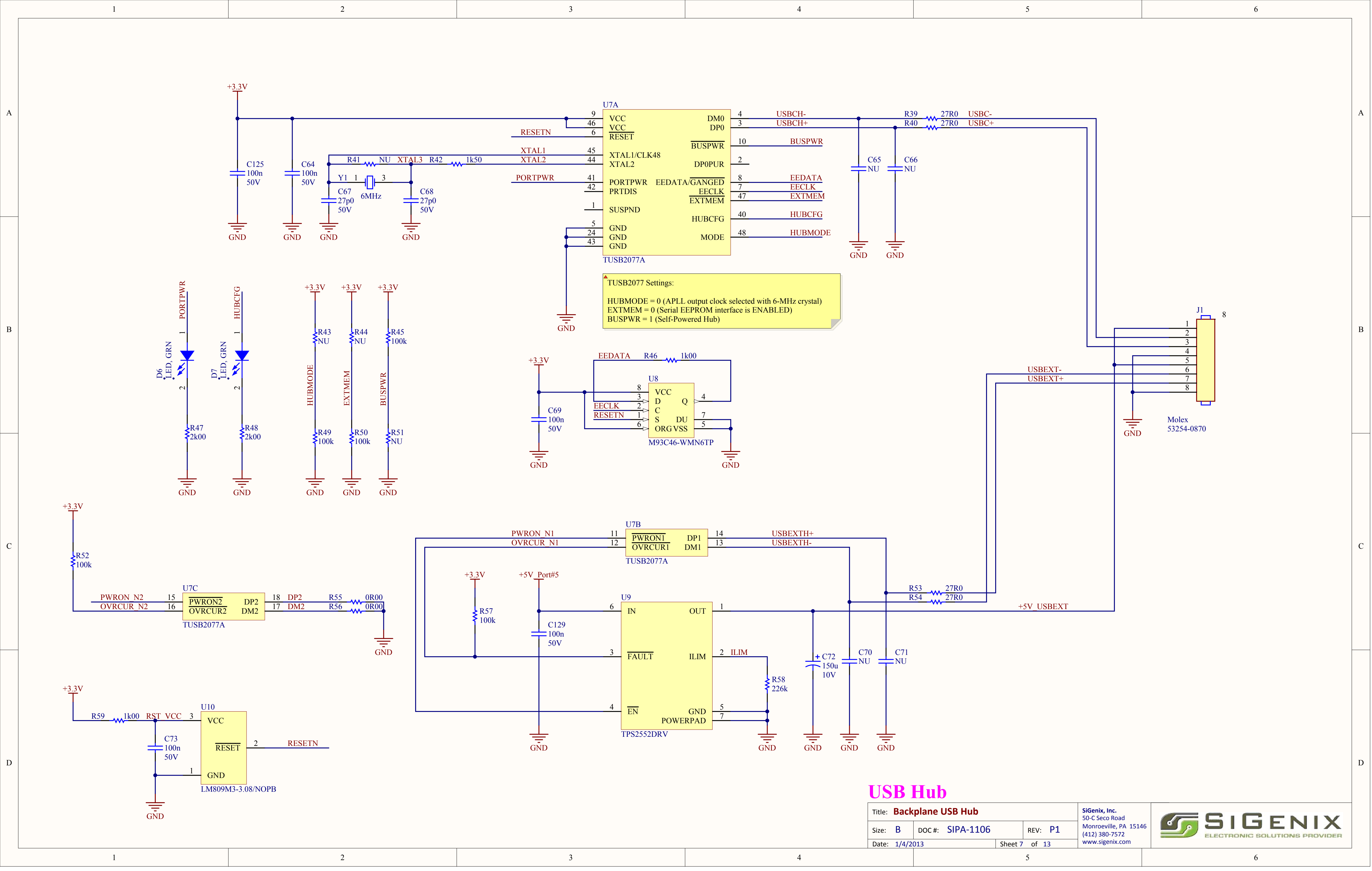
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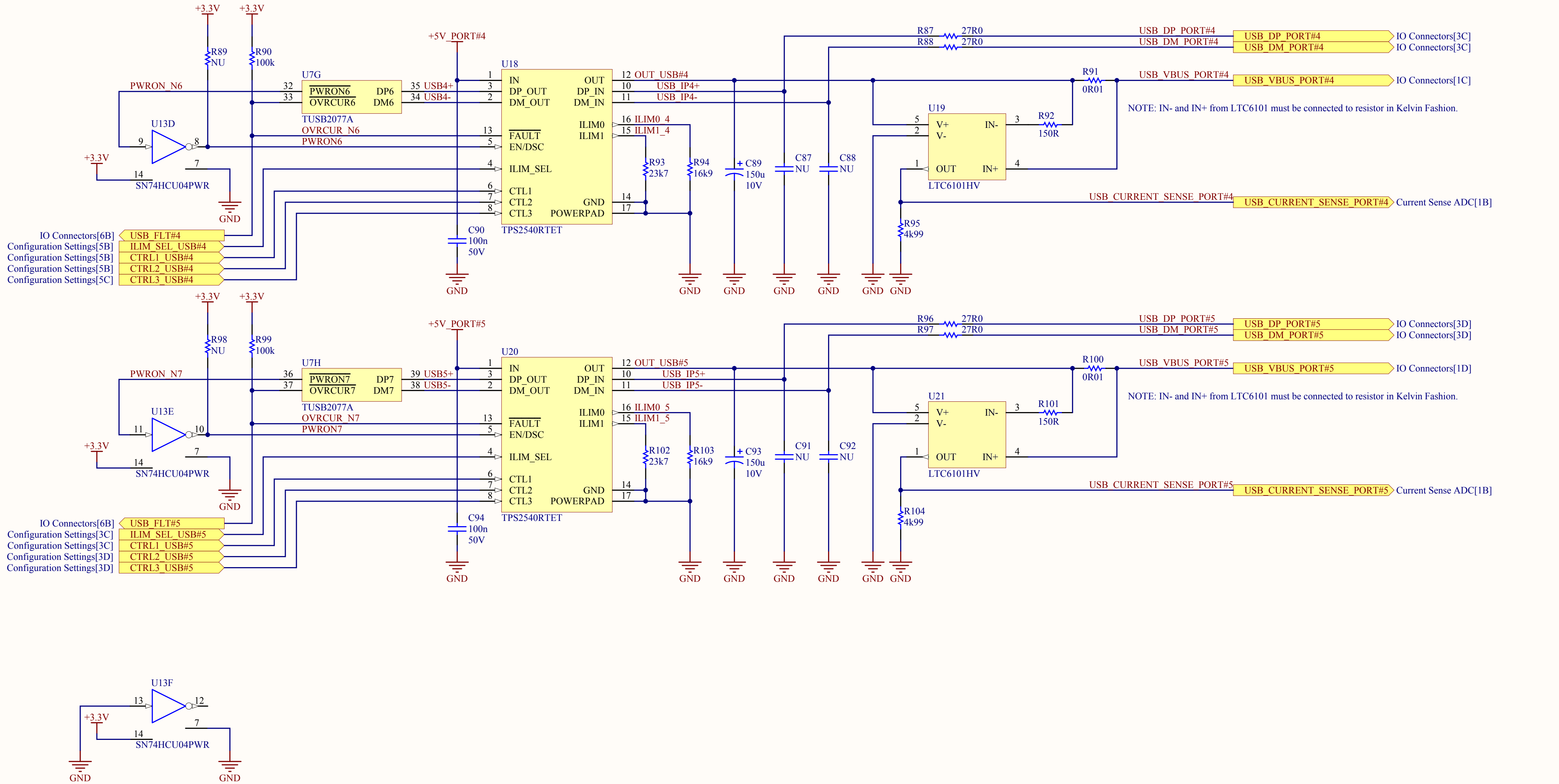


PORT 1 and 2 Power Supply

Title: Backplane Power Supply Port 1 and 2			SiGenix, Inc. 50-C Seco Road Monroeville, PA 15146 (412) 380-7572 www.sigenix.com	 SIGENIX ELECTRONIC SOLUTIONS PROVIDER
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USB Power Switches 4 and 5

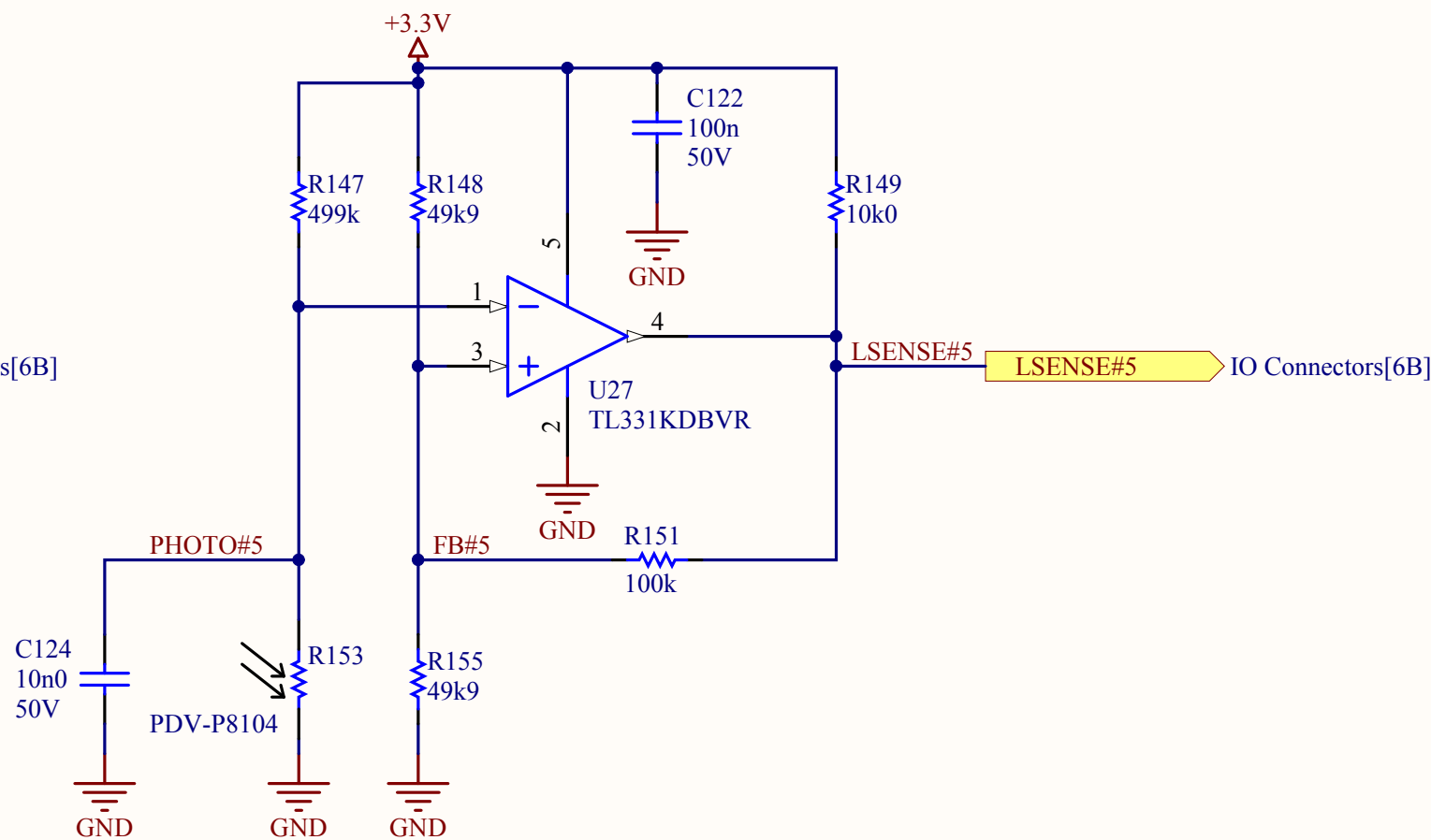
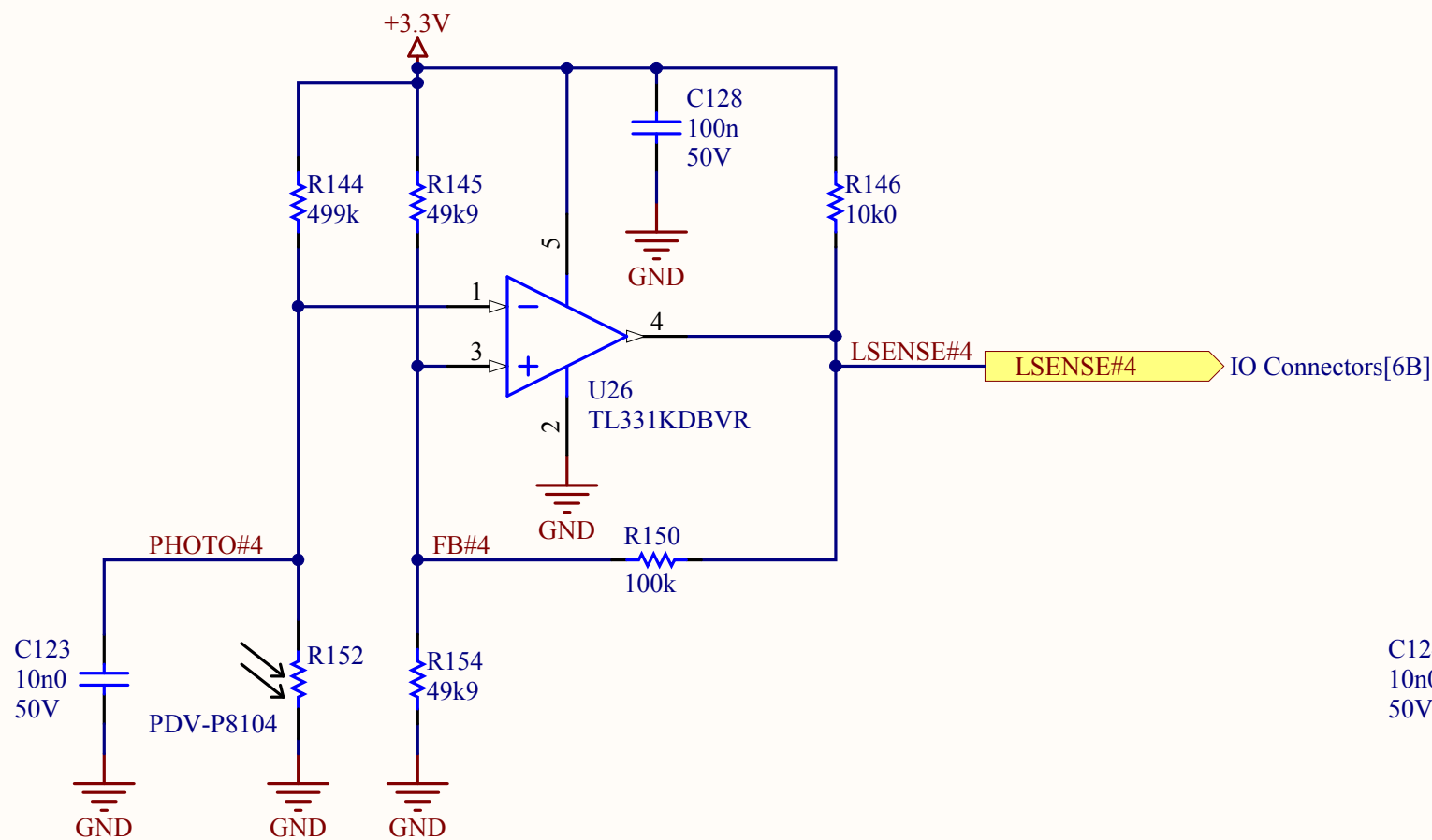
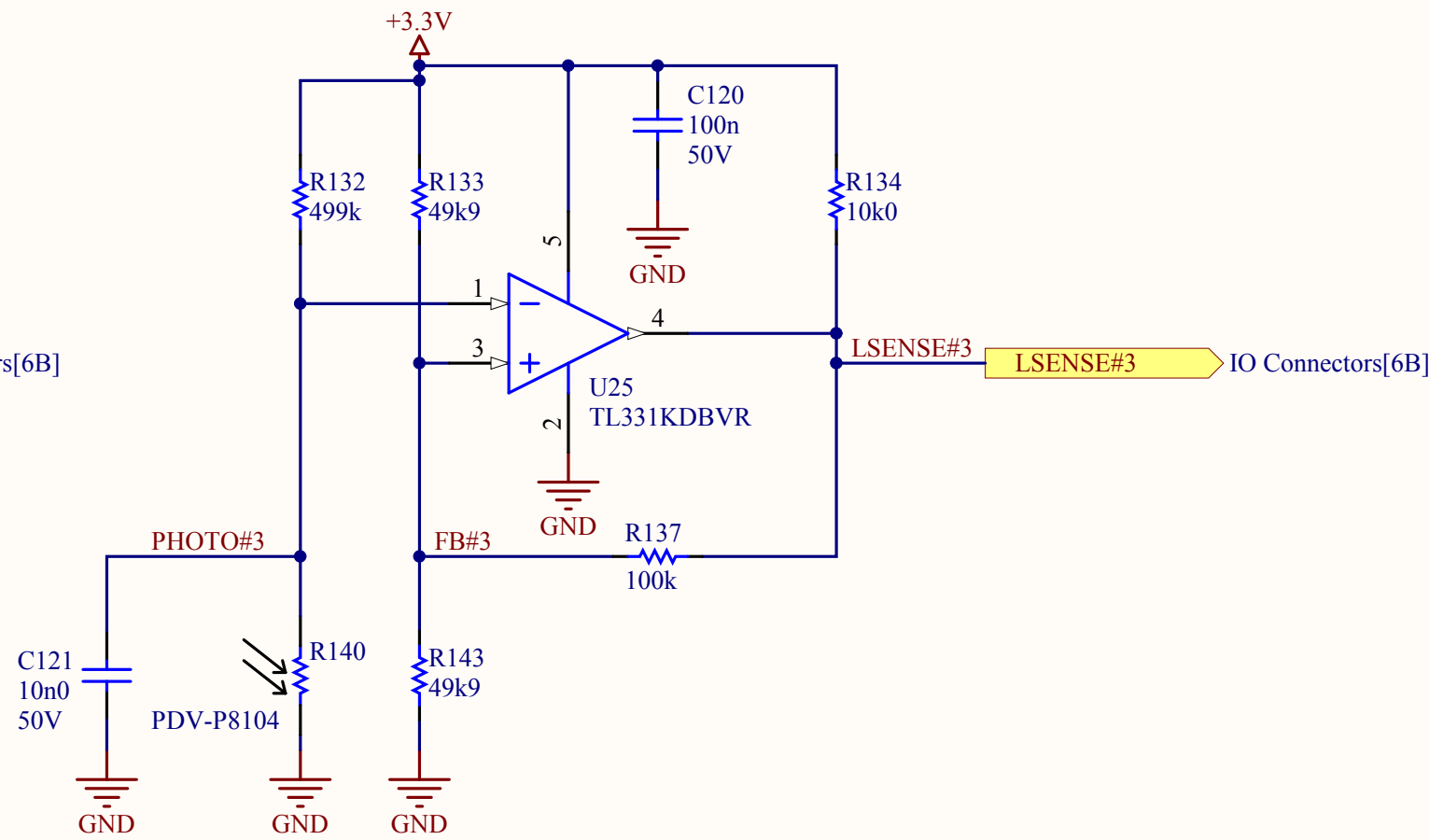
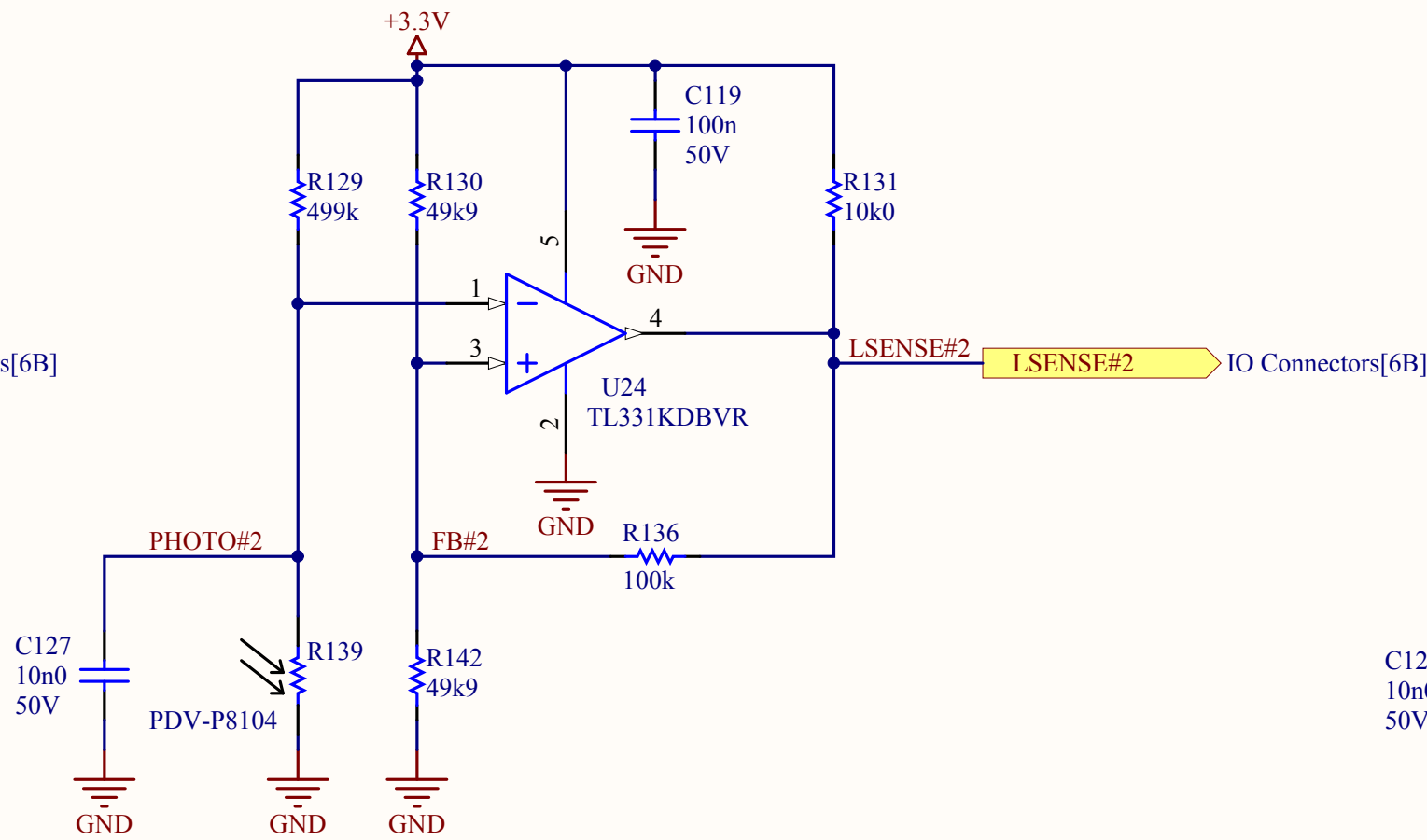
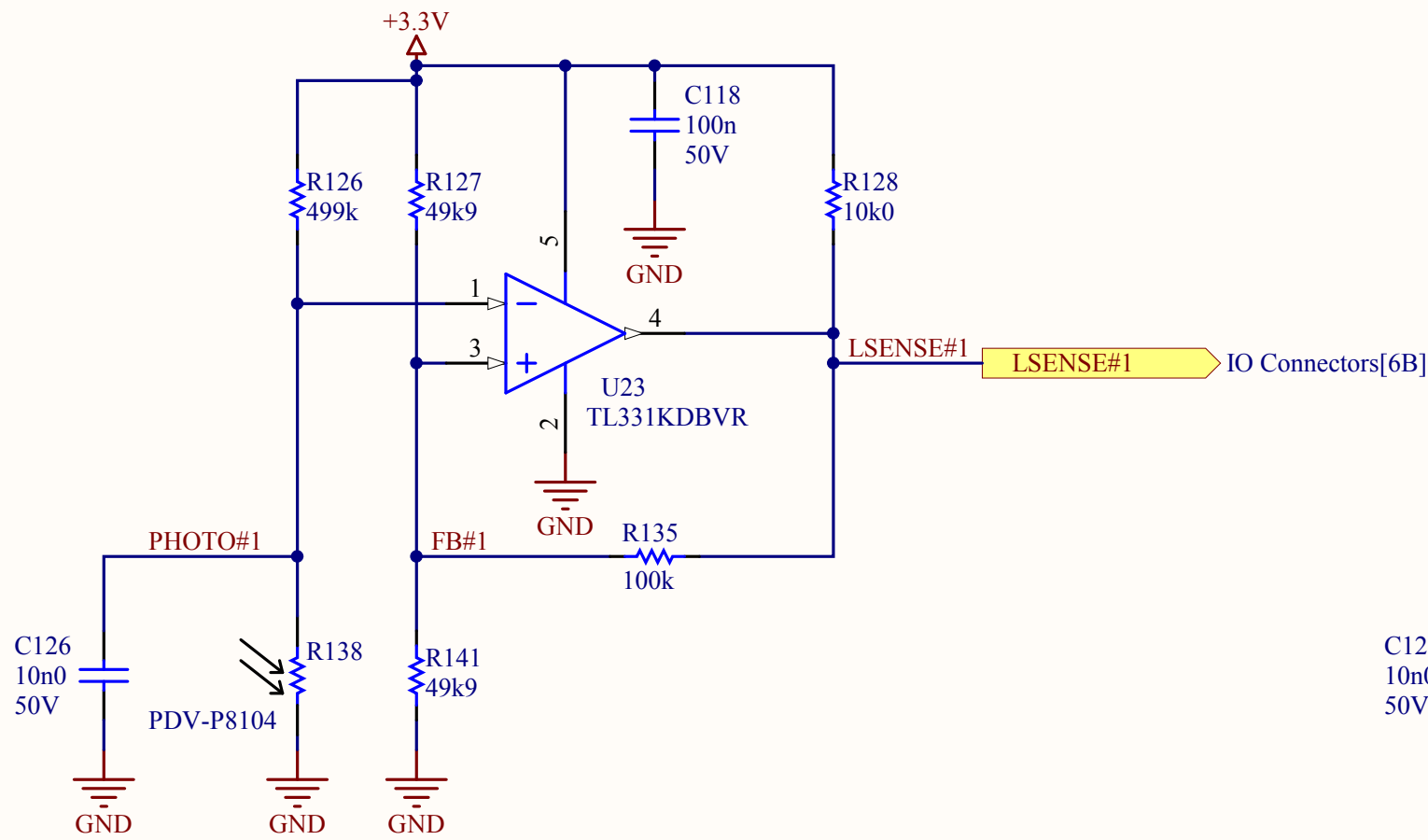
Title: **USB Power Switches Ports 4 - 5**

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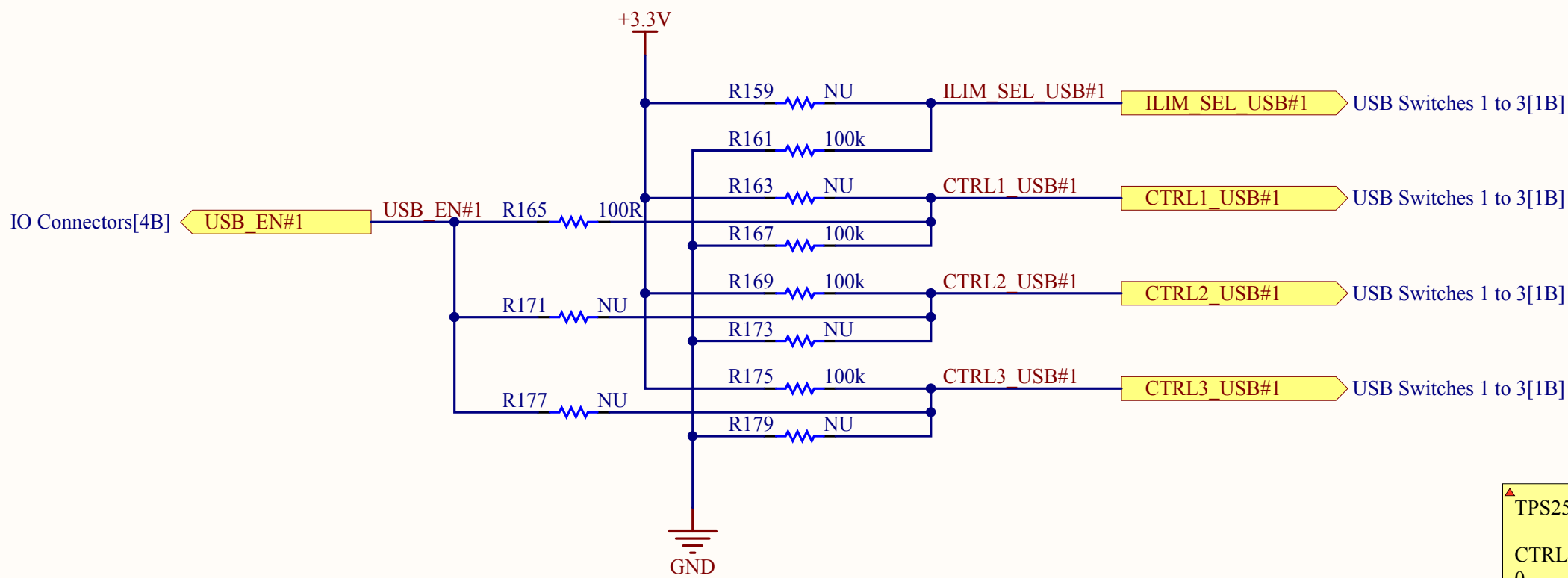


Photocell Circuits

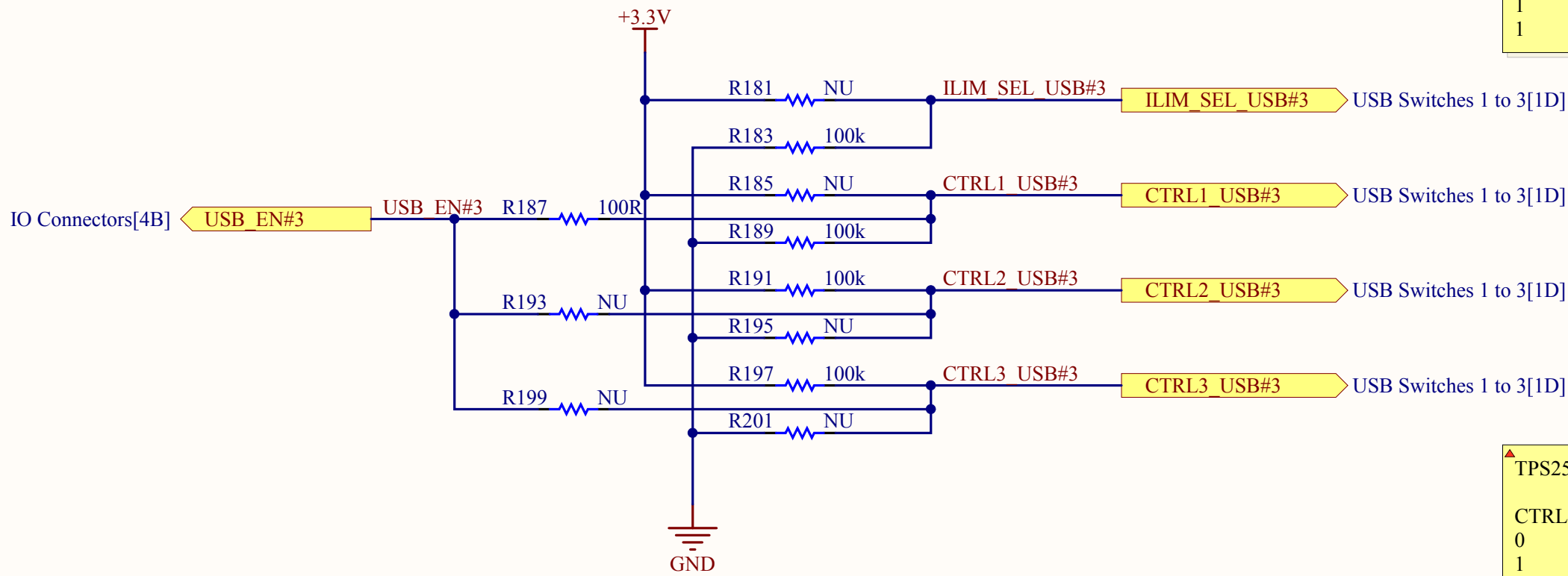
Title: Photocell Sensor Circuits			 SIGENIX ELECTRONIC SOLUTIONS PROVIDER
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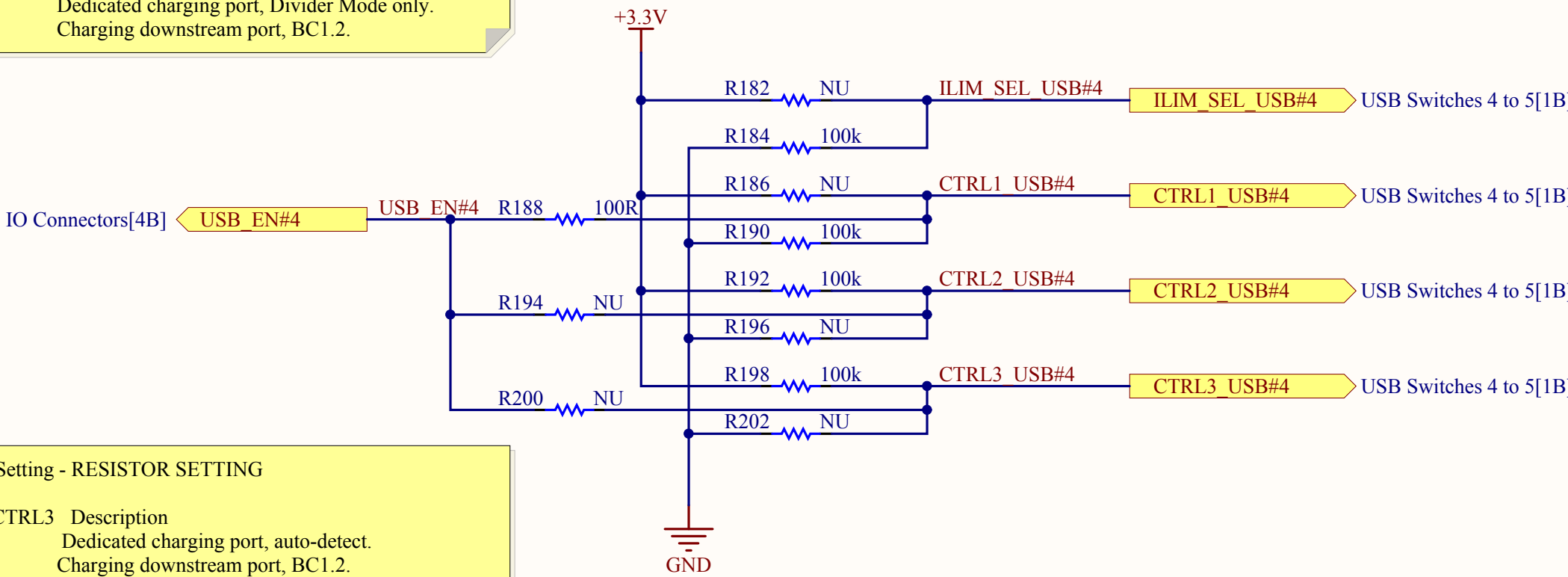
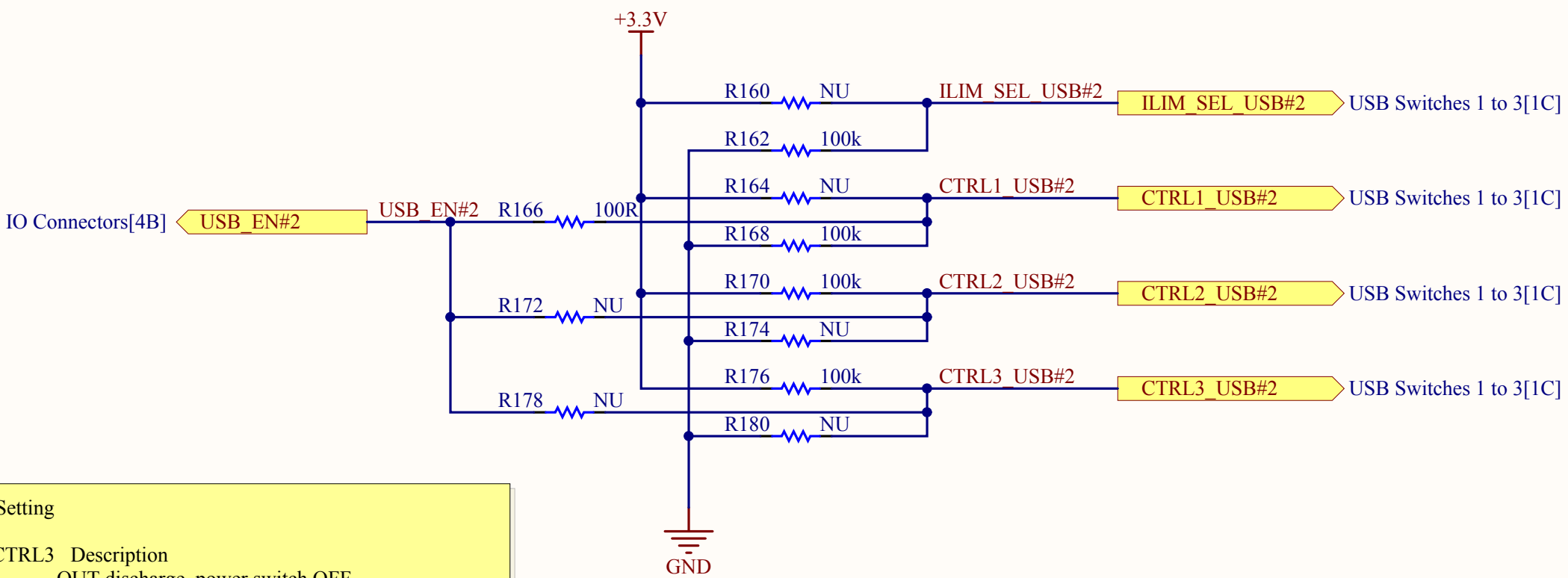
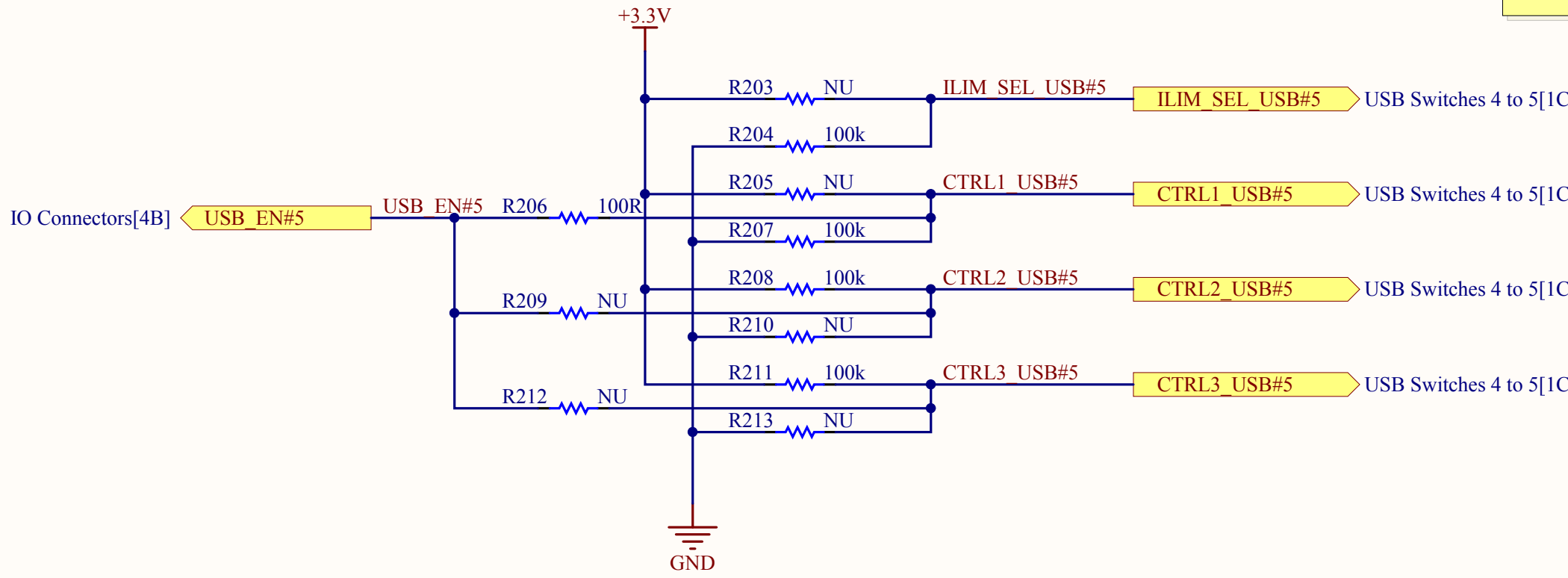
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TPS2540 Control Setting			
CTRL1	CTRL2	CTRL3	Description
0	0	0	OUT discharge, power switch OFF
0	X	1	Dedicated charging port, auto-detect.
X	1	0	Standard downstream port, USB 2.0 Mode.
1	0	0	Dedicated charging port, BC1.2 only.
1	0	1	Dedicated charging port, Divider Mode only.
1	1	1	Charging downstream port, BC1.2.



TPS2540 Control Setting - RESISTOR SETTING			
CTRL1	CTRL2	CTRL3	Description
0	X	1	Dedicated charging port, auto-detect.
1	1	1	Charging downstream port, BC1.2.



USB Switch Configuration Settings

Title: Configuration Settings		
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A

B

C

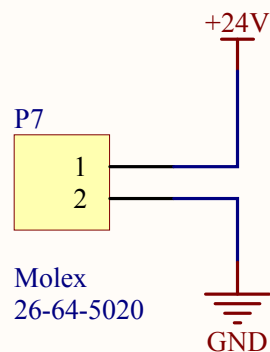
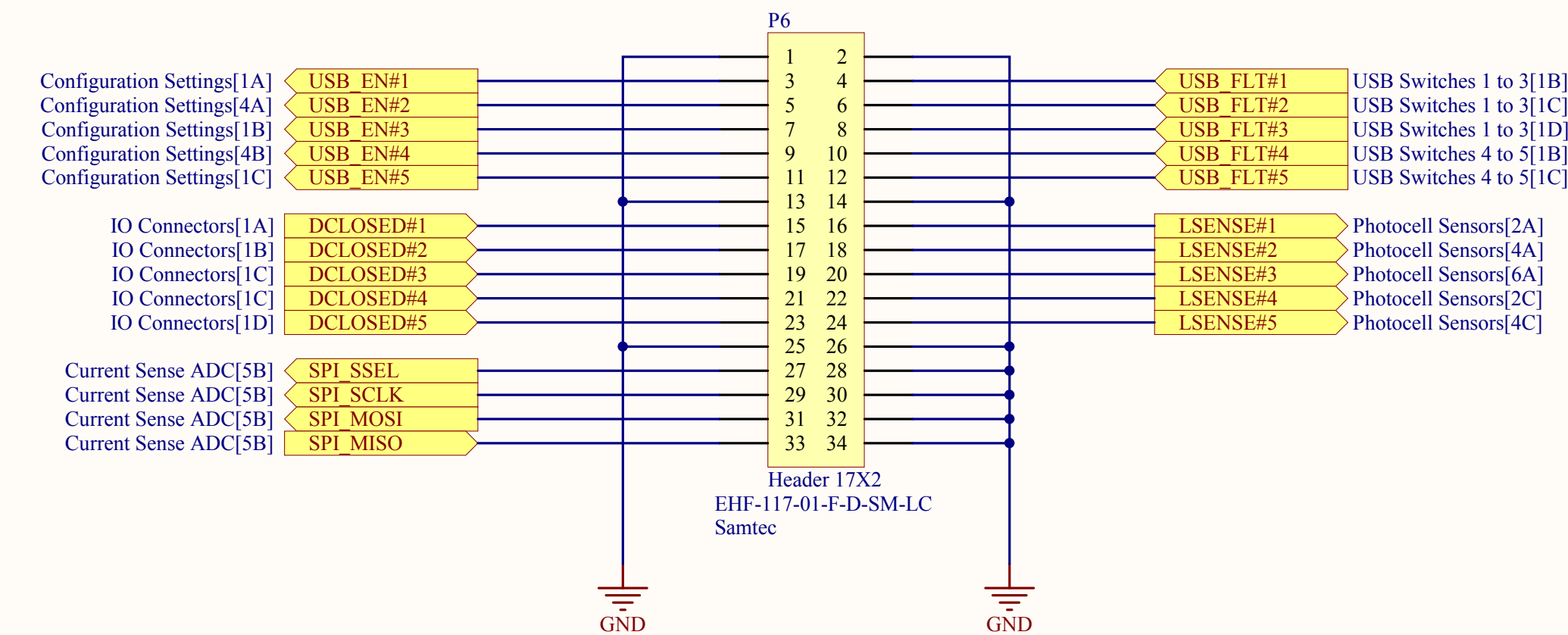
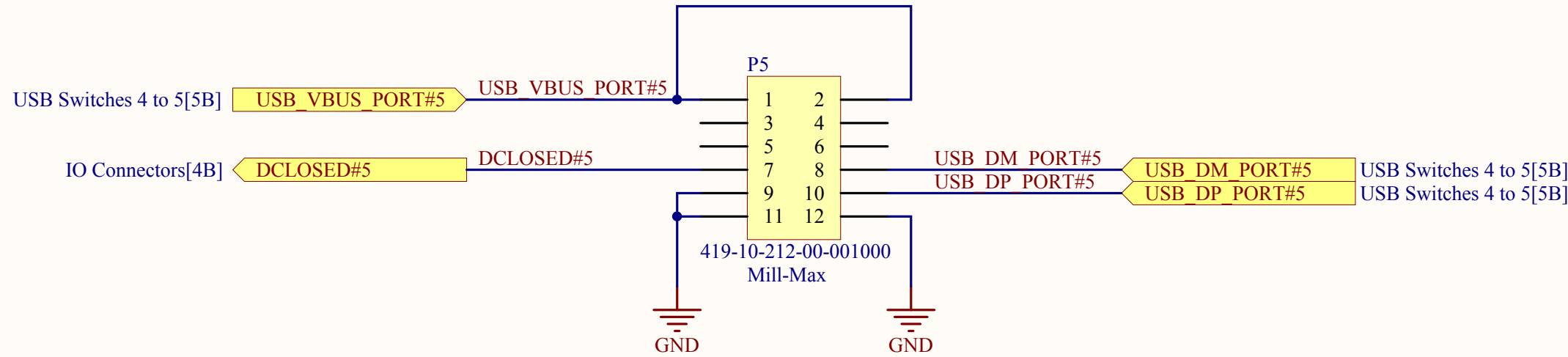
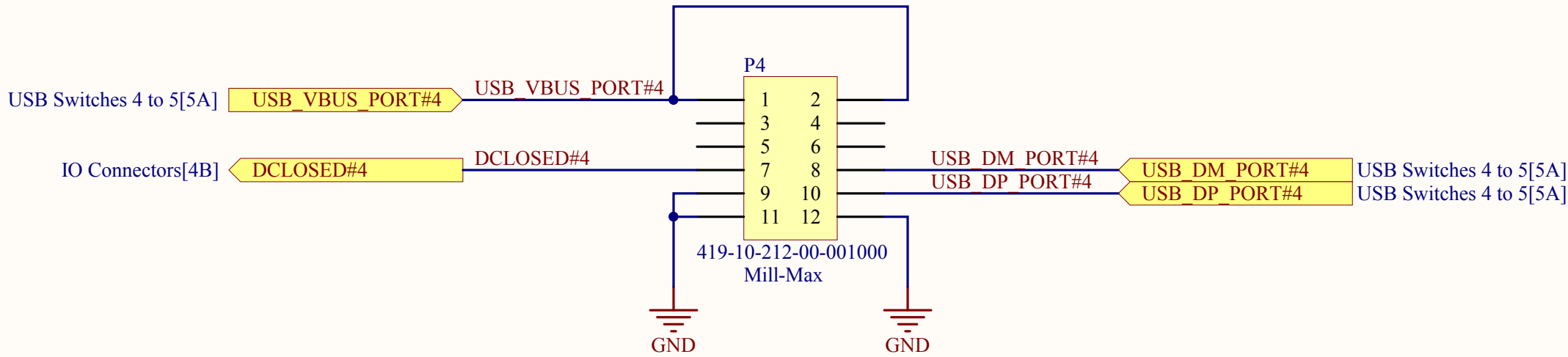
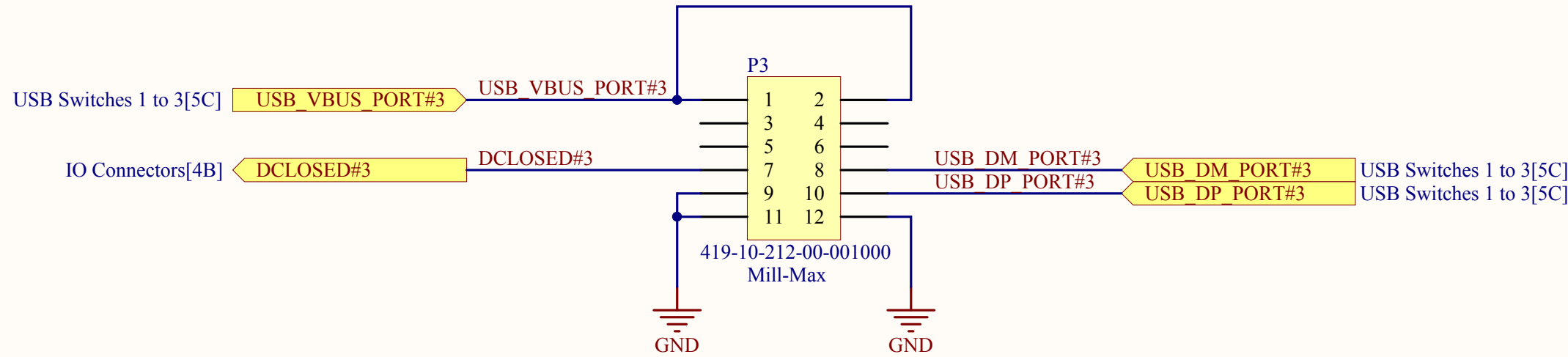
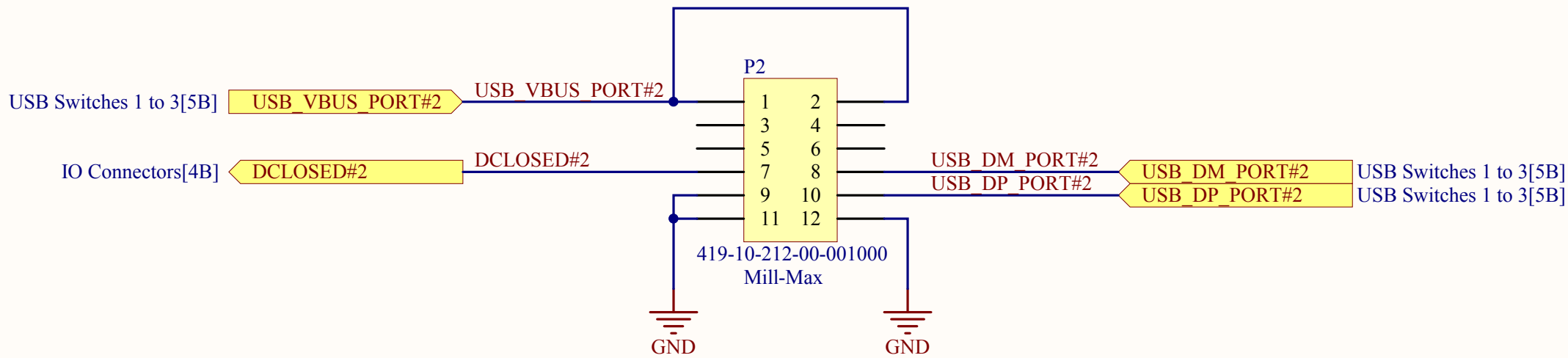
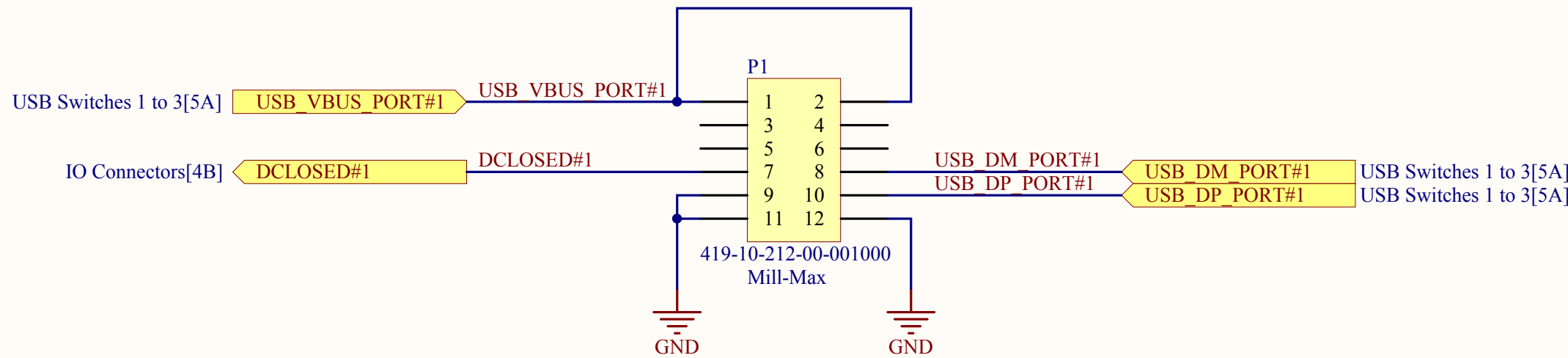
D

A

B

C

D



IO Connectors

Title: **Backplane IO Connectors**

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1

2

3

4

5

6