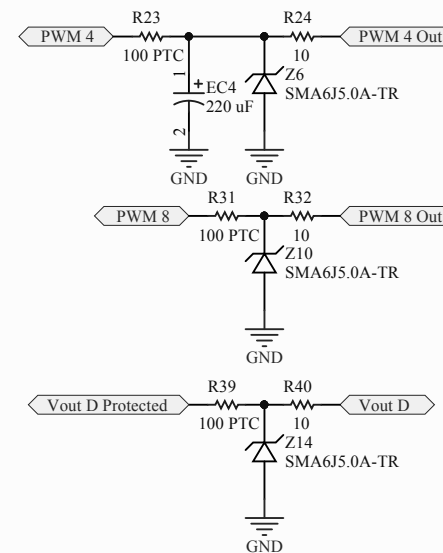
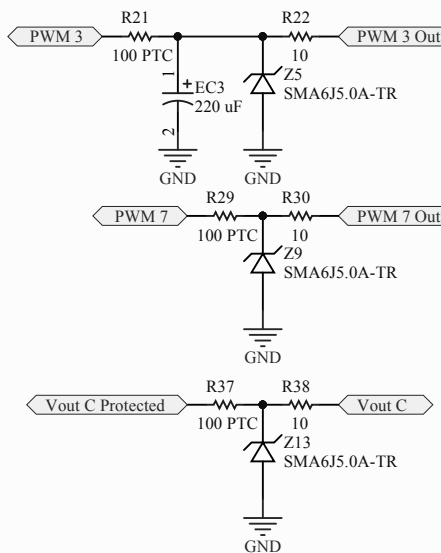
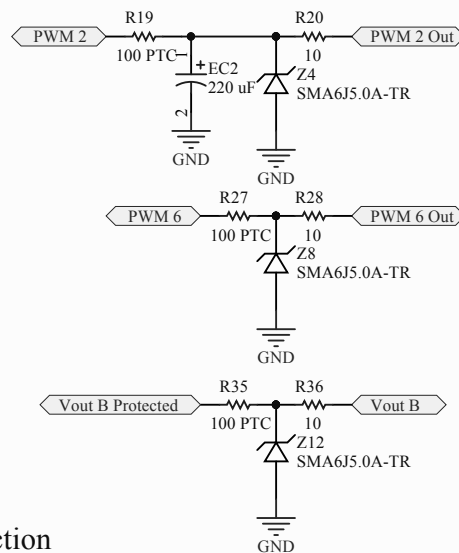
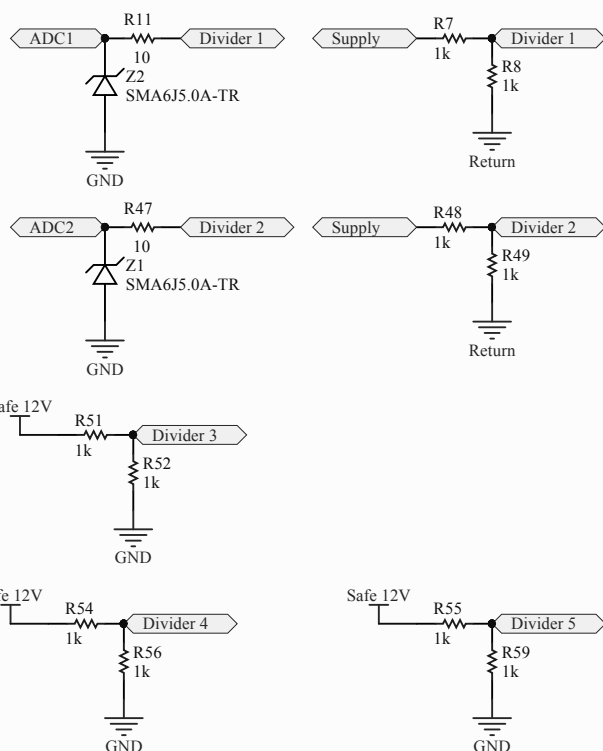


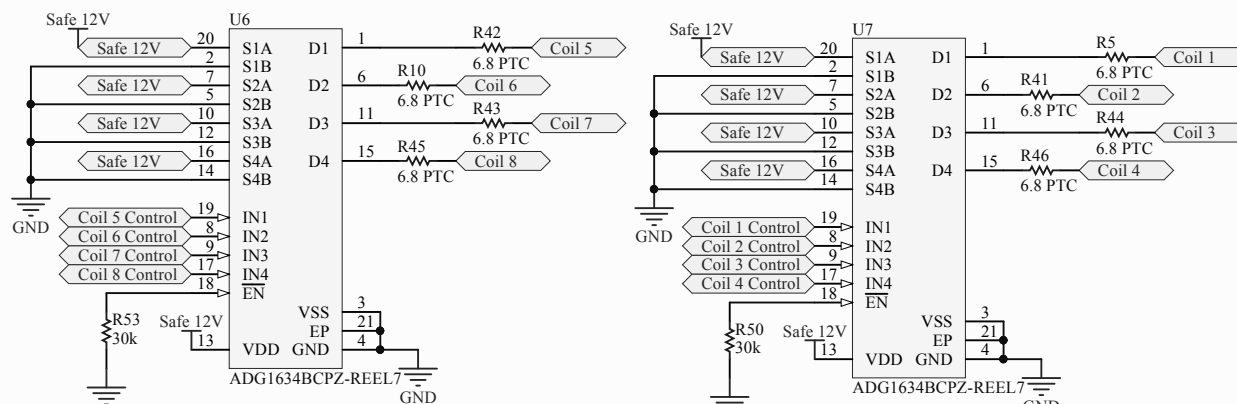
Circuit Protection



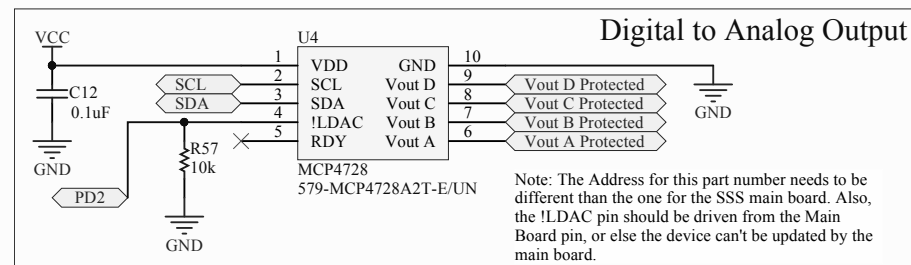
Circuit Protection



Sensed Voltage Dividers



Low Resistance CMOS Switches for Coil Emulation



Note: The Address for this part number needs to be different than the one for the SSS main board. Also, the !LDAC pin should be driven from the Main Board pin, or else the device can't be updated by the main board.

Title: **SSS Daughterboard**

Description: Coils, Protection, and Vout

Date: 3/1/2015 Time: 12:44:20 PM

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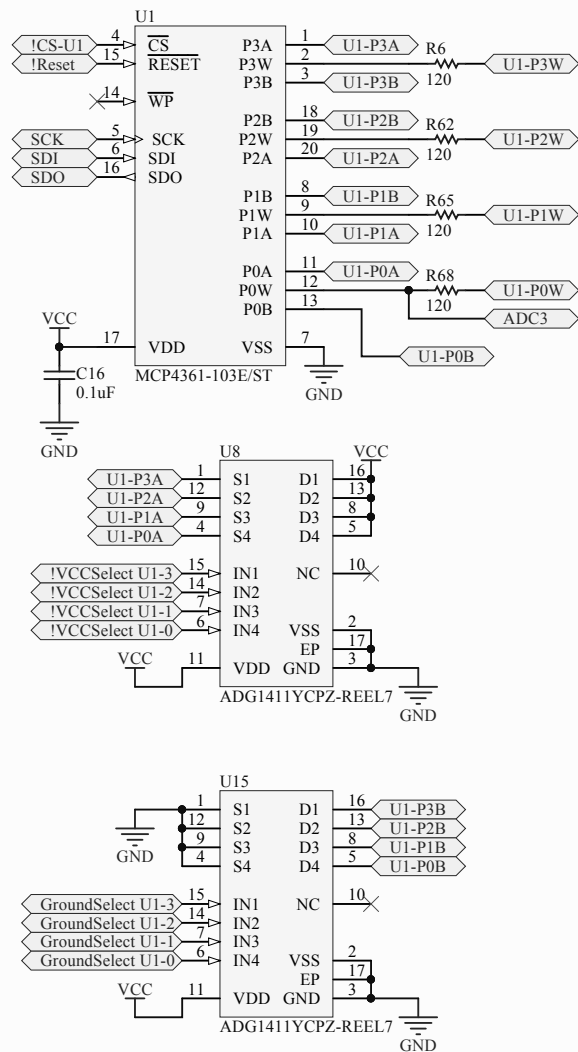
SSS Daughter Board Coils.SchDoc

Revision: 4

Sheet 2 of 5

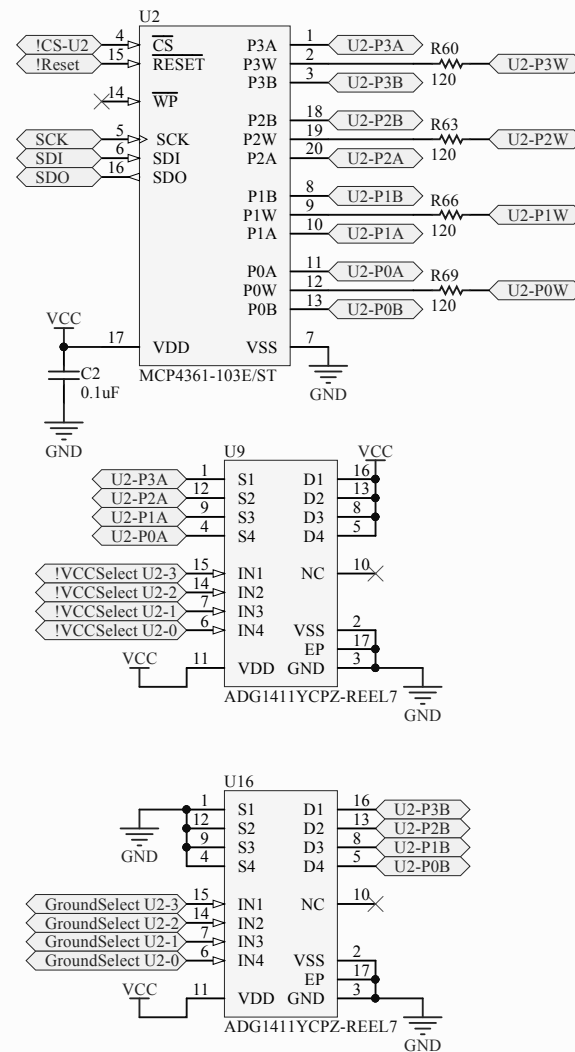
Drawn By: *Jeremy Daily*
The University of Tulsa
Mechanical Engineering
800 S. Tucker Dr
Tulsa, OK 74104



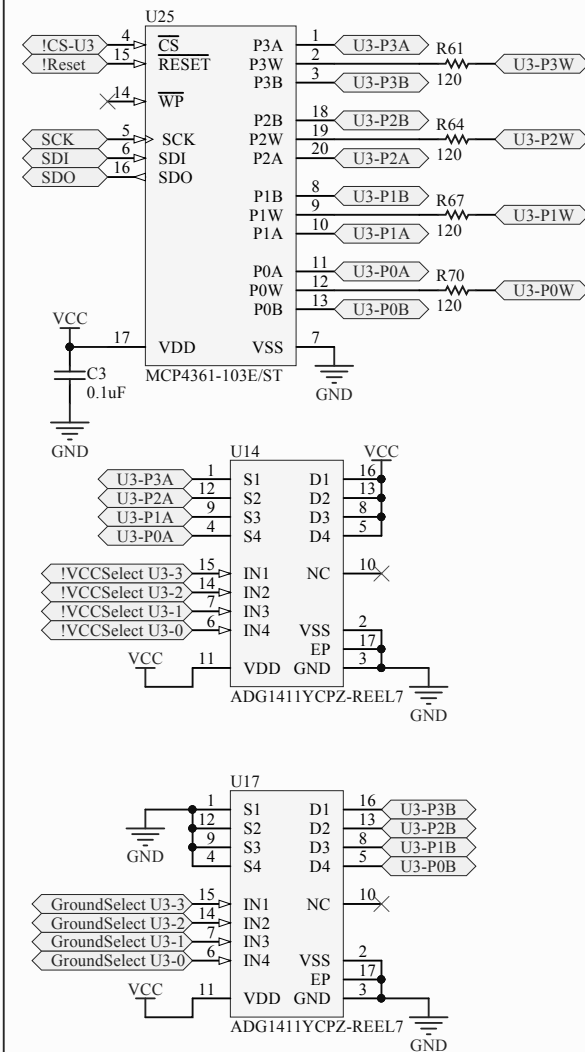


Digital Potentiometer #1

Digital Pot #1 on channel 0
can be sensed by the ADC3 to
measure the voltage on the
wiper.



Digital Potentiometer #2



Digital Potentiometer #3

Title: **SSS Daughter Board**

Description: Quad Digital Pots 1

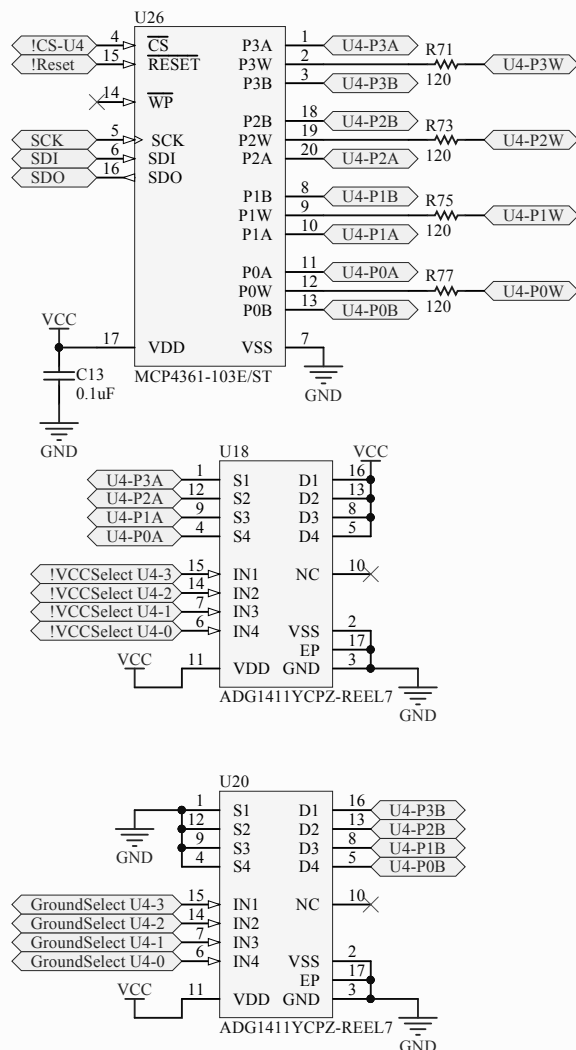
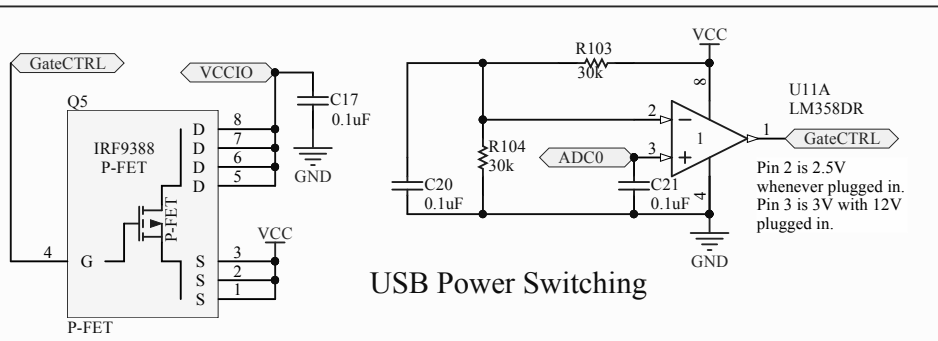
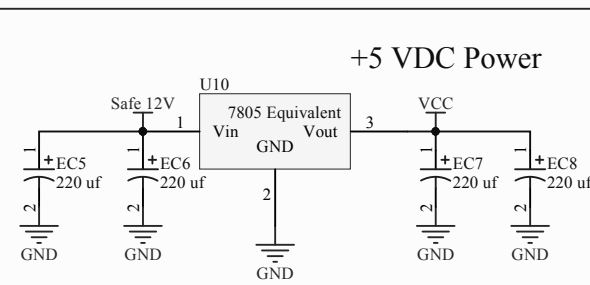
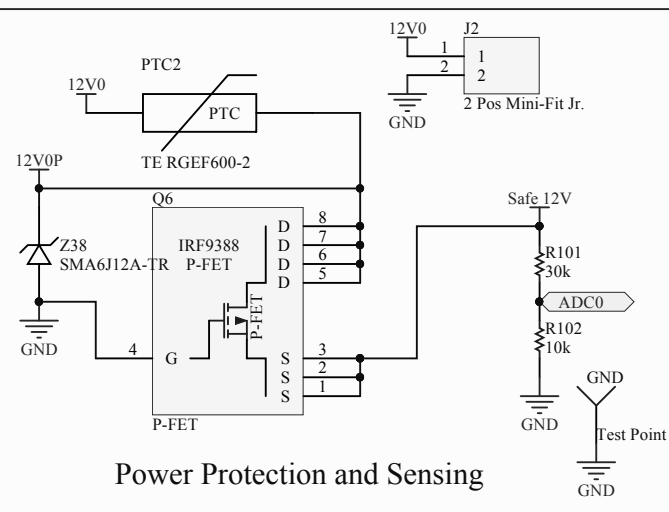
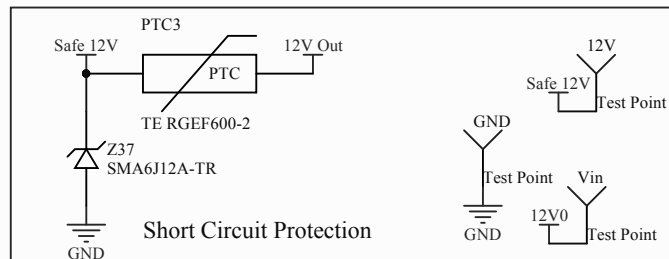
Date: 3/1/2015 Time: 12:44:21 PM

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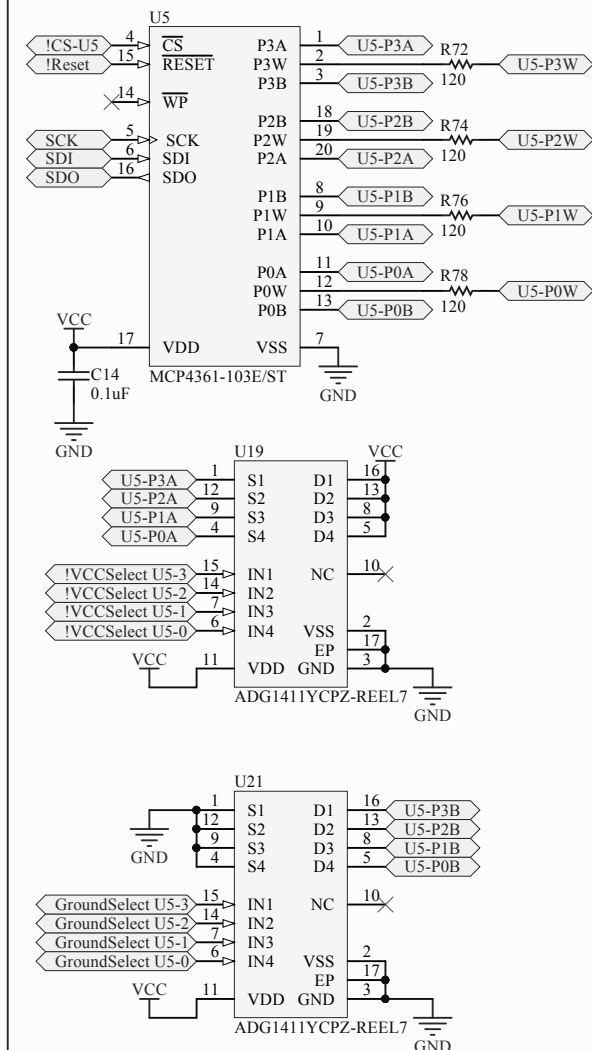
Digital Pots 1-3 for Daughter Board.SchDoc

Drawn By: Dr. Jeremy Daily
Mechanical Engineering
The University of Tulsa
800 S. Tucker Dr.
Tulsa, OK 74104





Digital Potentiometer #4



Digital Potentiometer #5

Title: **SSS Daughterboard**

Description: Digital Pots 2 and Power

Revision: 4

Date: 3/1/2015 Time: 12:44:21 PM

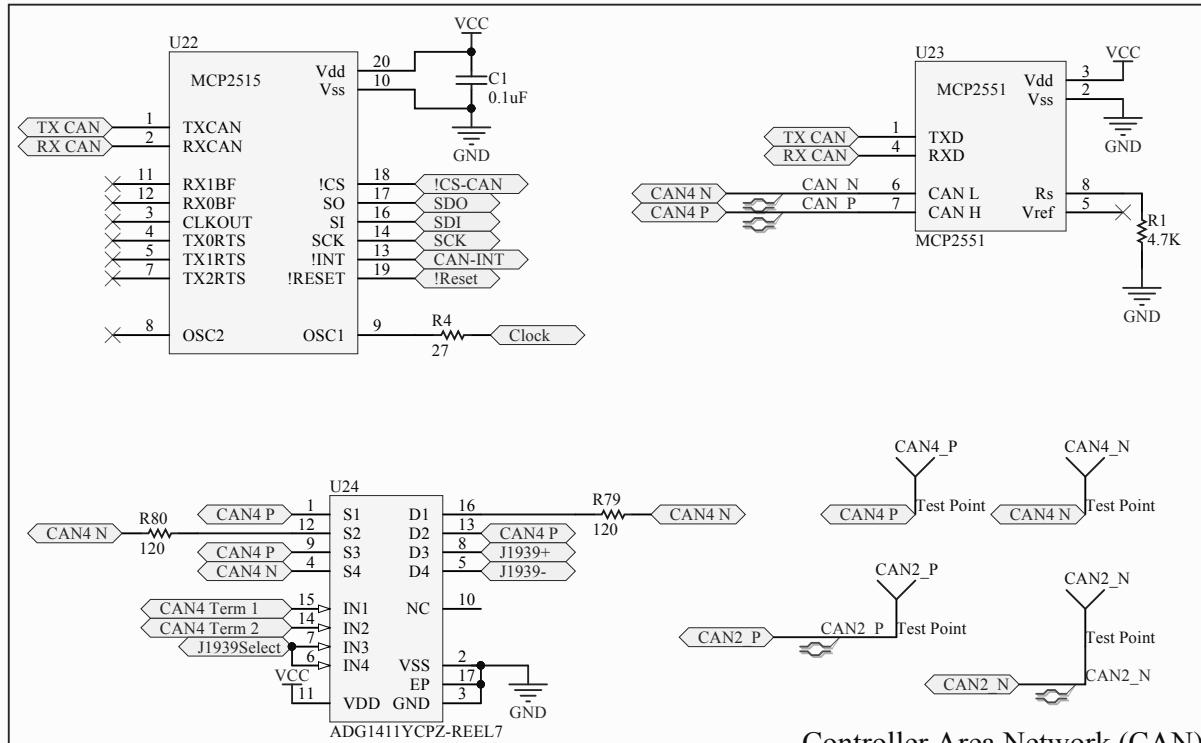
Sheet 4 of 5

Drawn By: *Jeremy Daily*
 The University of Tulsa
 Mechanical Engineering
 800 S. Tucker Dr
 Tulsa, OK 74104

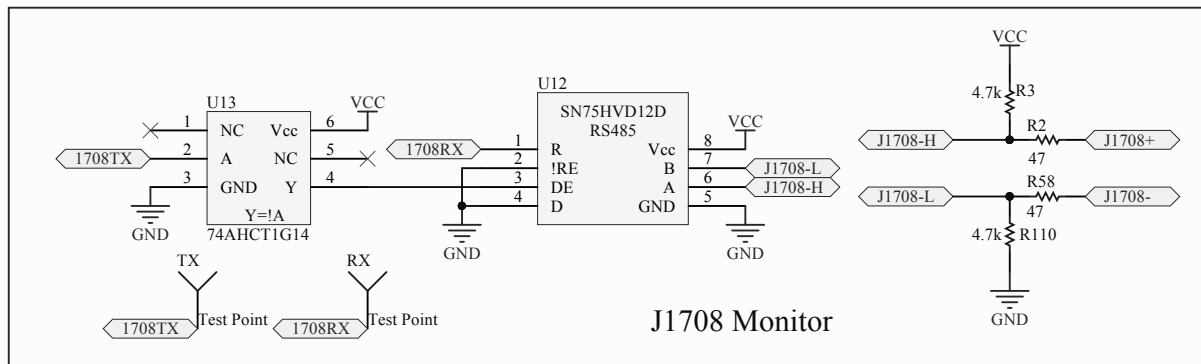
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SSS Daughter Board 5v Power.SchDoc

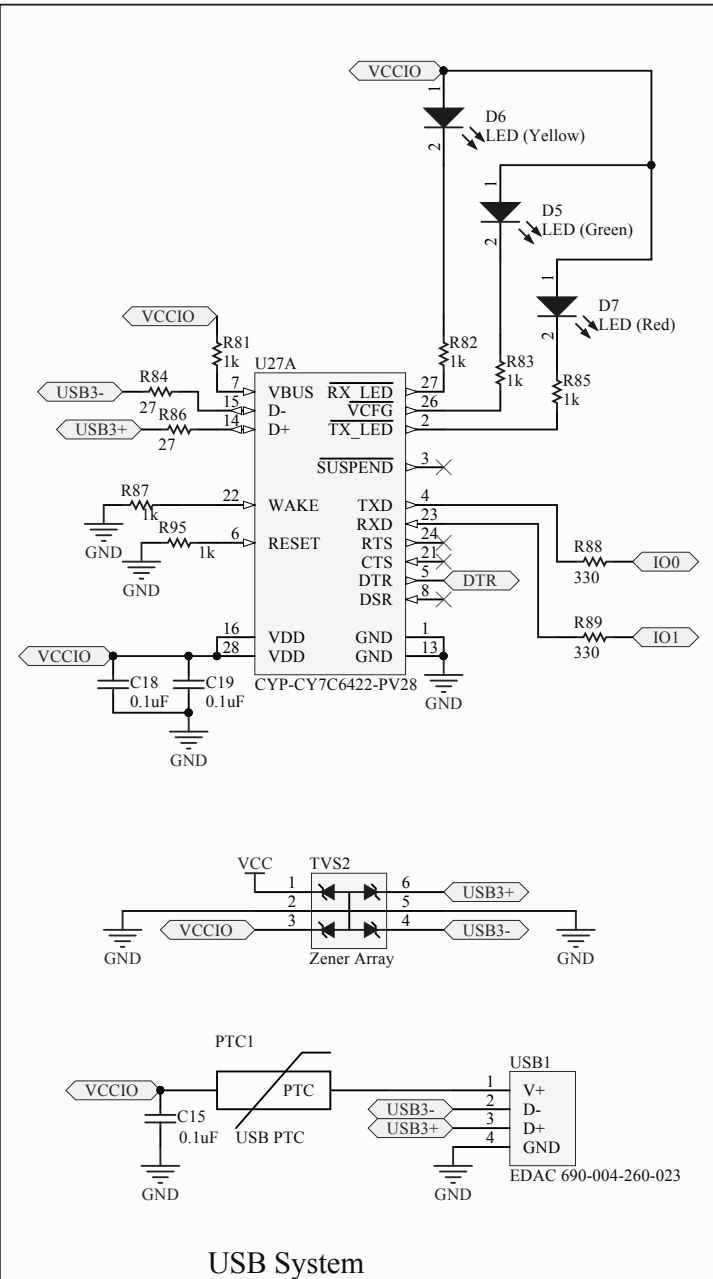





Controller Area Network (CAN)



J1708 Monitor



USB System

Title: <i>SSS Daughterboard</i>		Drawn By: <i>Dr. Jeremy Daily</i> The University of Tulsa Mechanical Engineering 800 S. Tucker Dr Tulsa, OK 74104	
Description: Vehicle Networks	Revision: 4		
Date: 3/1/2015 Time: 12:44:21 PM	Sheet 5 of 5		
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