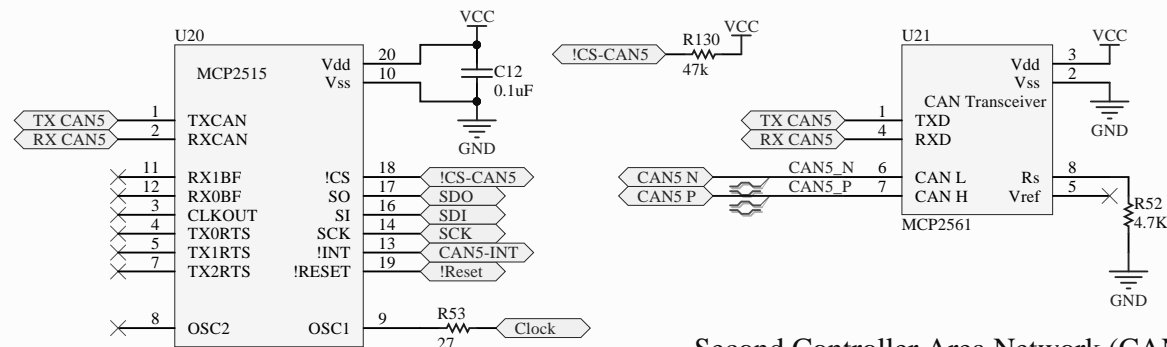
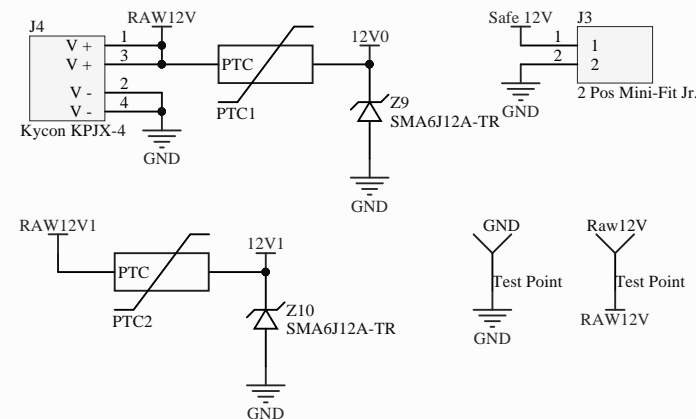
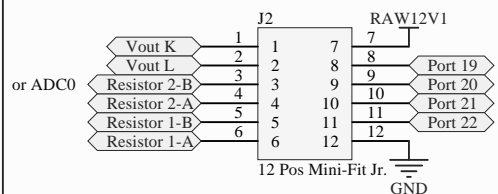
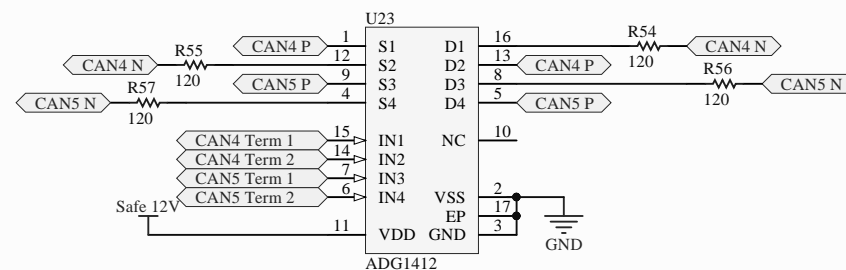
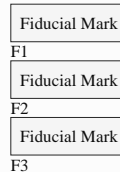
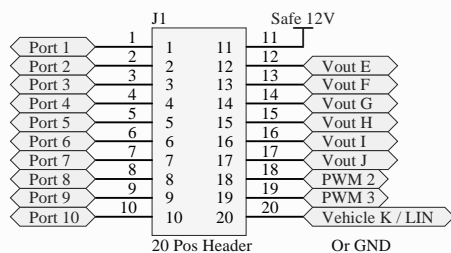


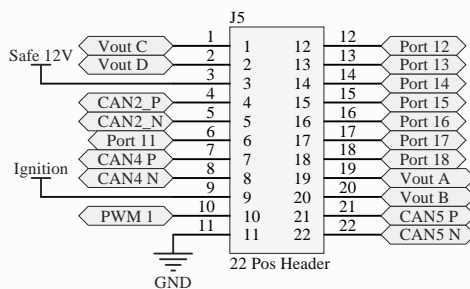
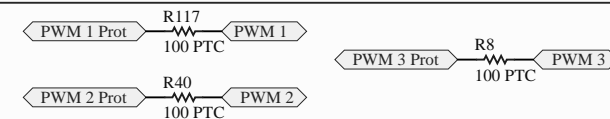
Ignition Switch



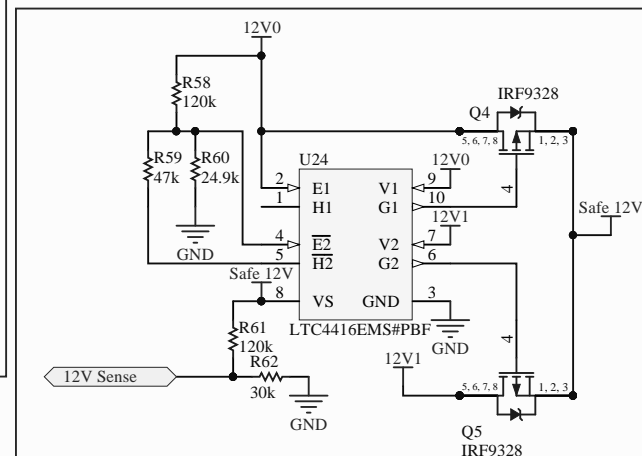
Second Controller Area Network (CAN)



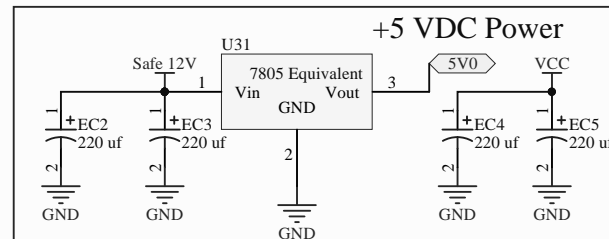
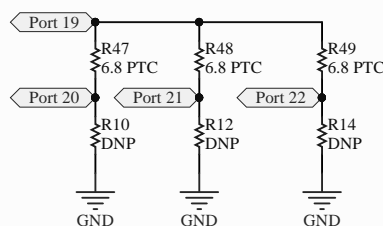
+12 VDC Power Entry



Vehicle Interface Connectors



Switching for Dual Power Supplies



+5 VDC Power

Title: **SSS Daughterboard**

Description: Vehicle Connections.

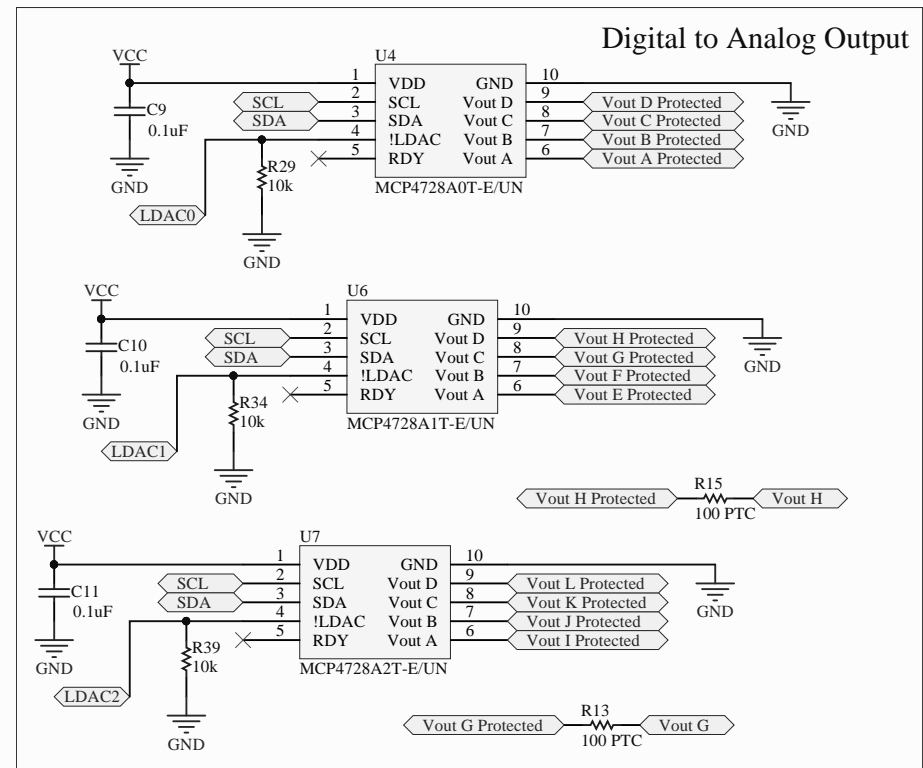
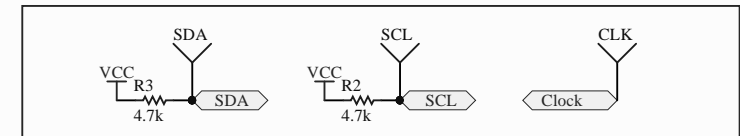
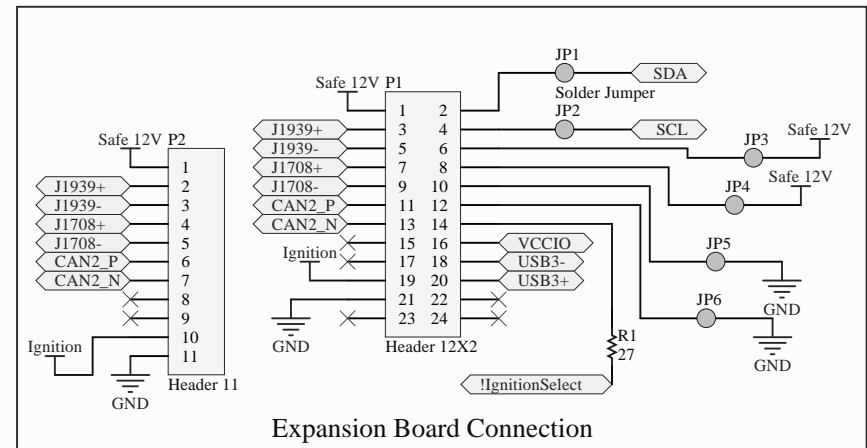
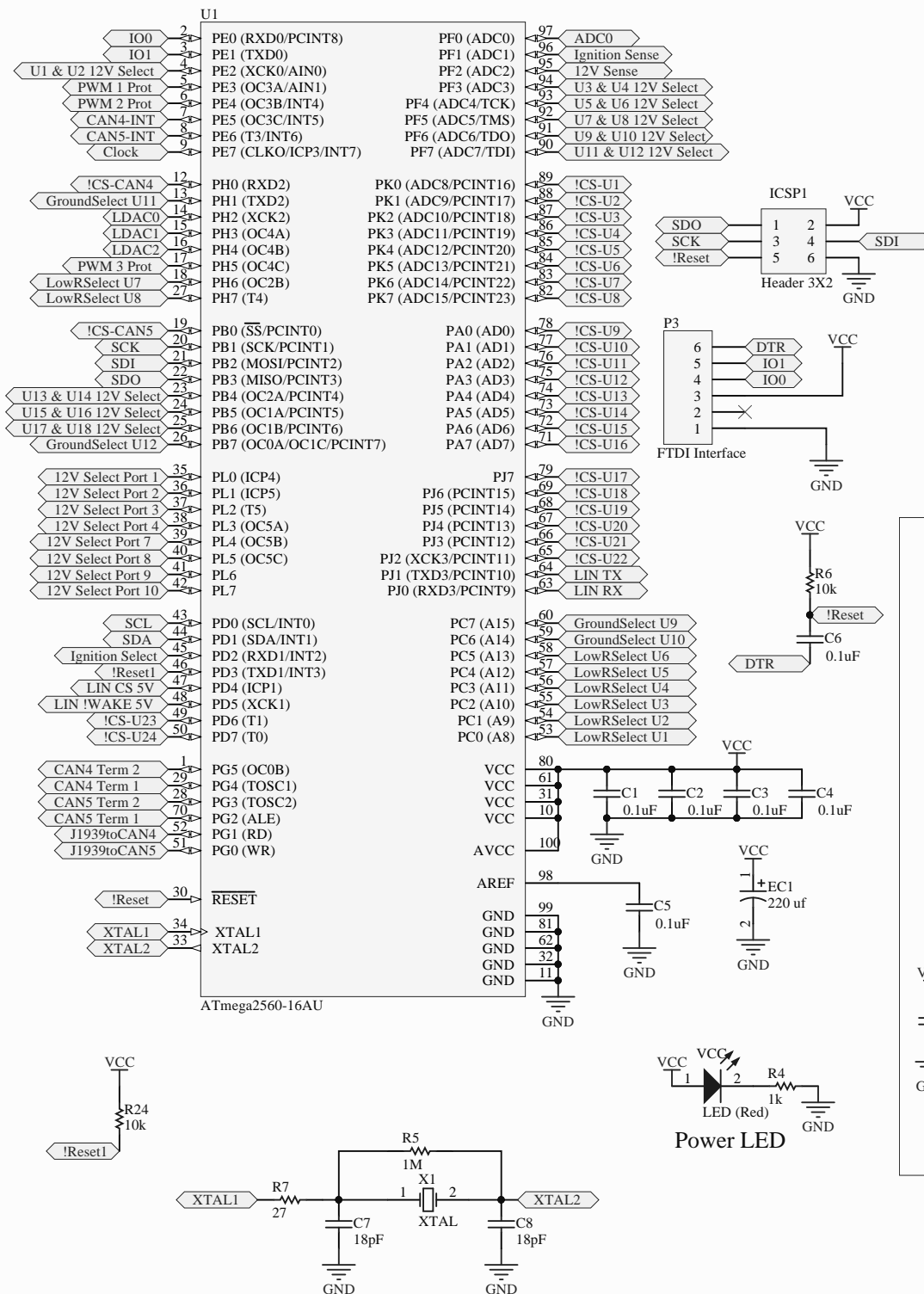
Date: 2/4/2016 Time: 10:54:17 PM


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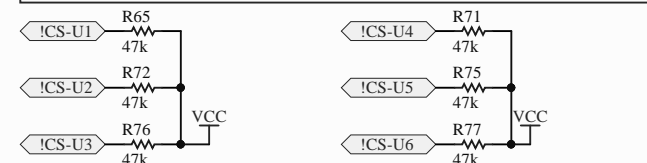
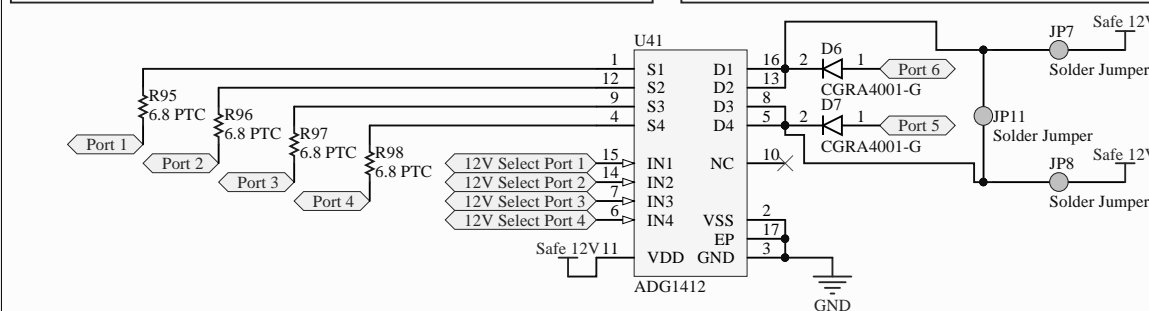
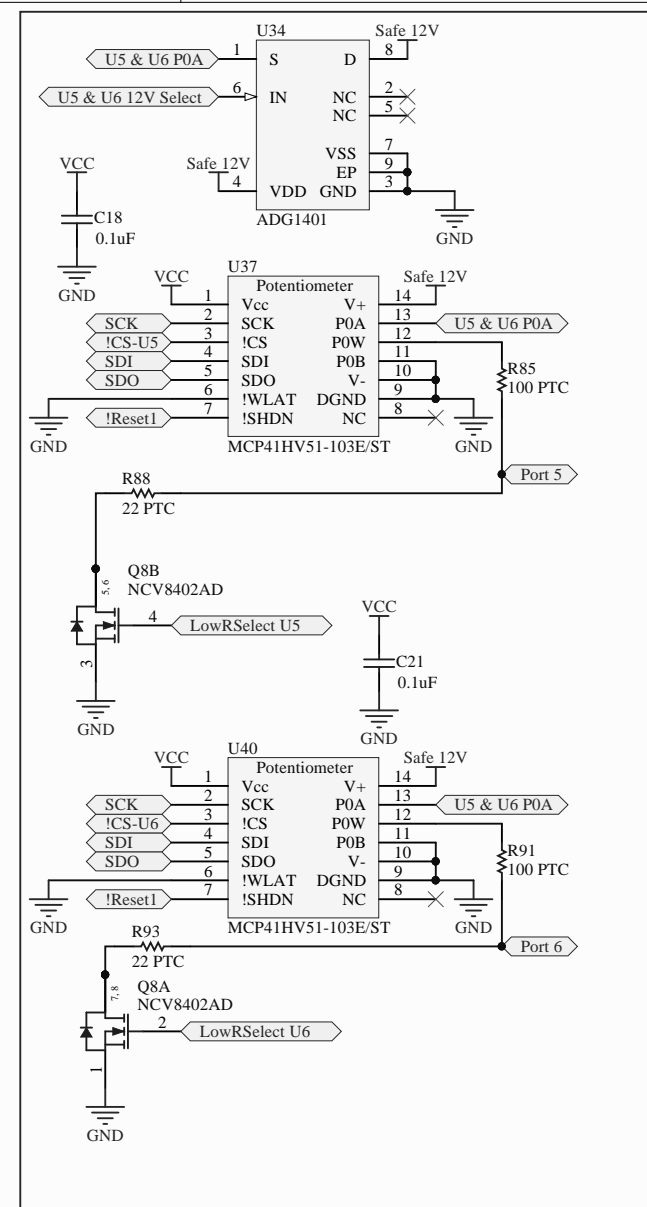
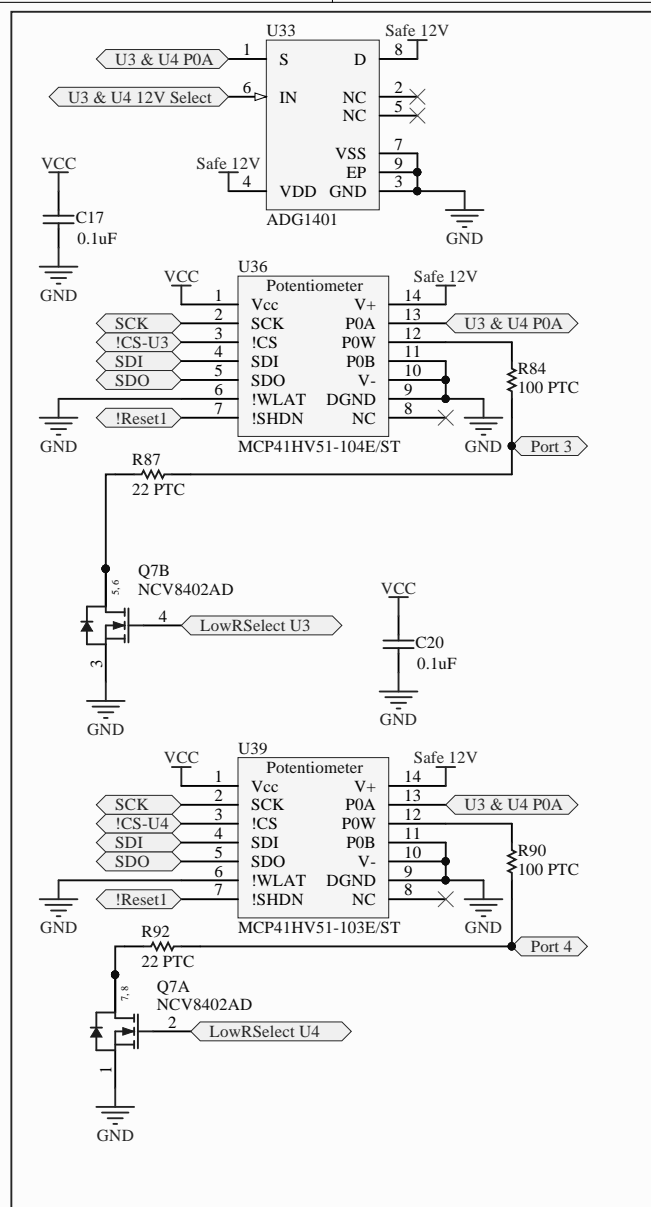
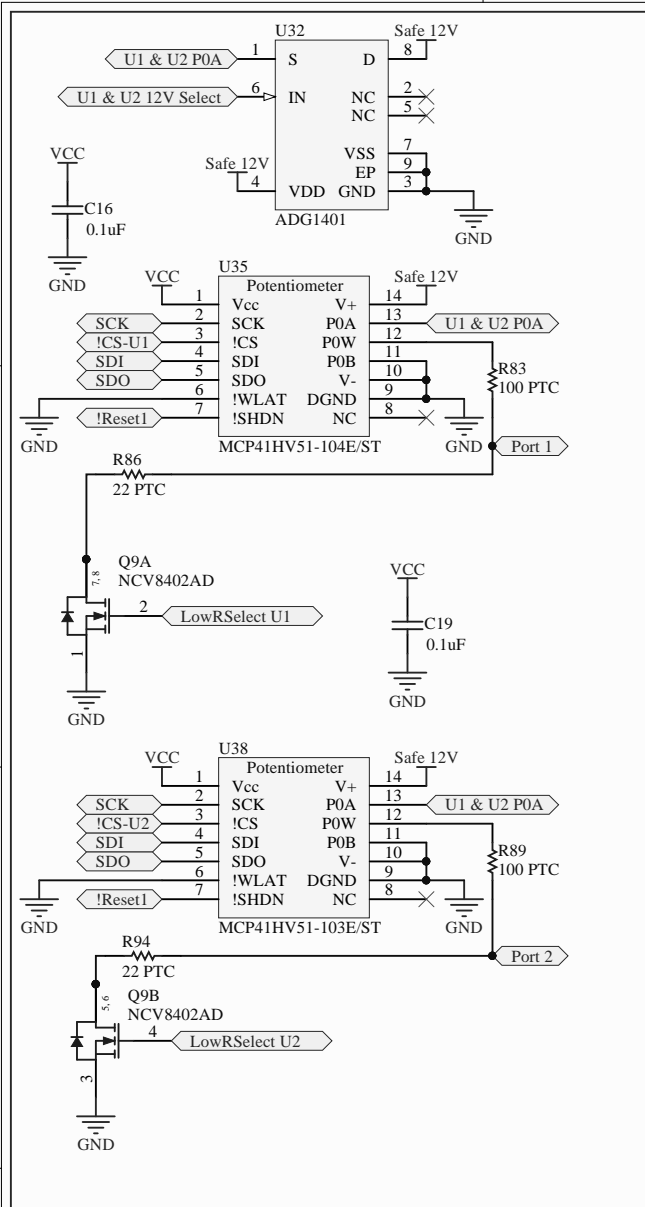
SSS Daughter Board 5v Power.SchDoc

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





Title: <b><i>SSS Daughterboard</i></b>		Drawn By: <i>Jeremy Daily</i> The University of Tulsa Mechanical Engineering 800 S. Tucker Dr Tulsa, OK 74104	
Description: Processor and DACs.	Revision: 5		
Date: 2/4/2016      Time: 10:54:18 PM	Sheet 2 of 6		
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SSS Daughter Board ATmega2560.SchDoc			



### Title: **SSS Daughter Board**

Description: Digital Pots: U1 to U6.

Date: 2/4/2016 Time: 10:54:18 PM

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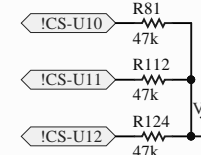
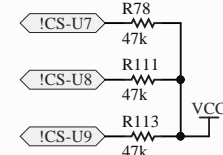
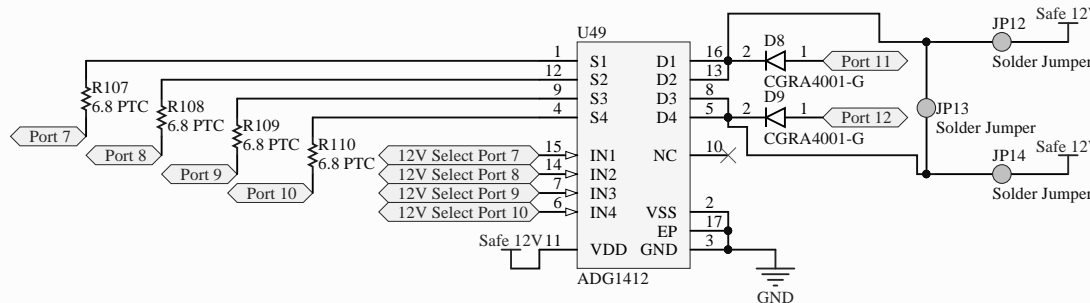
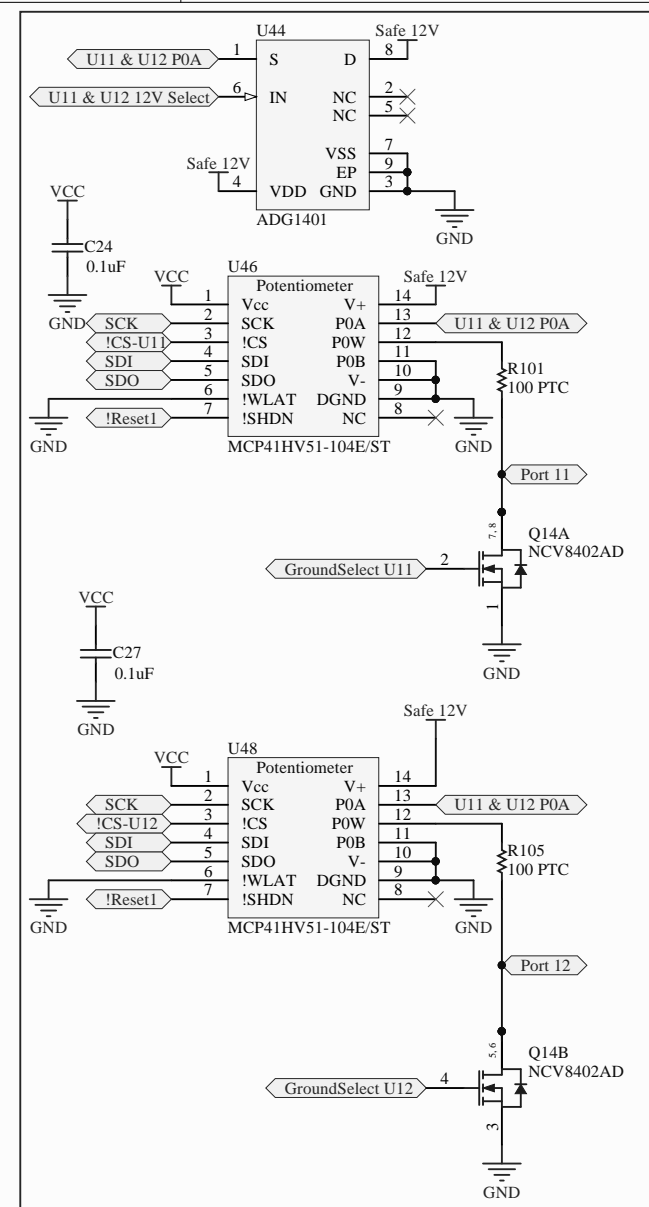
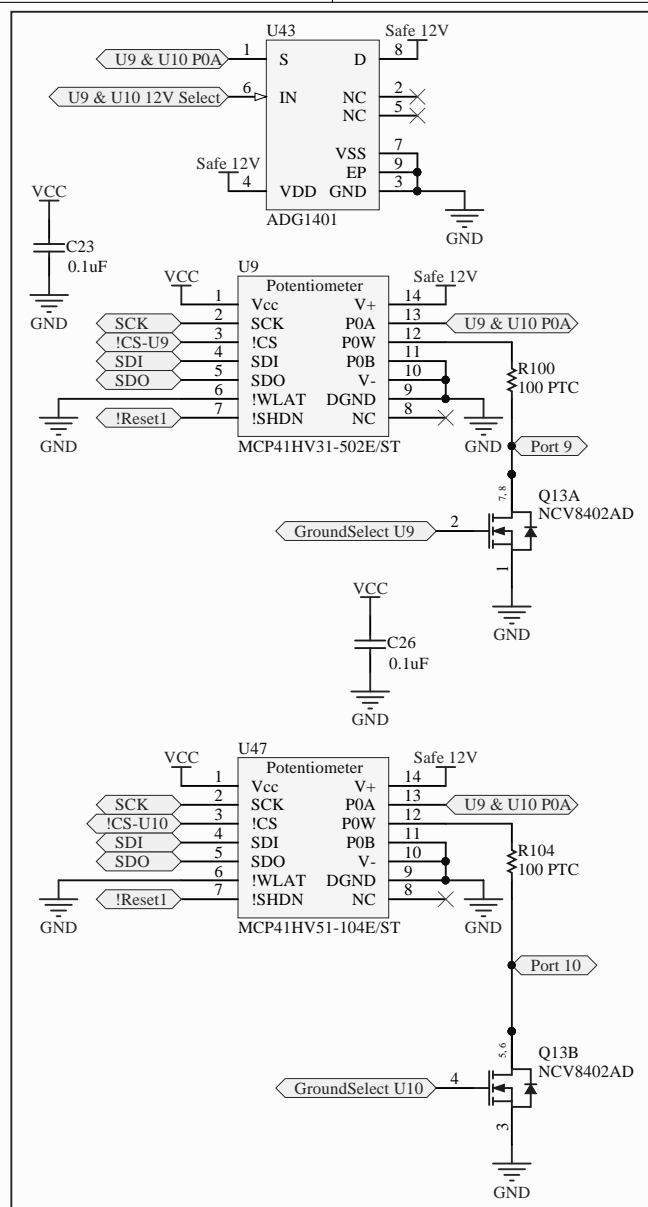
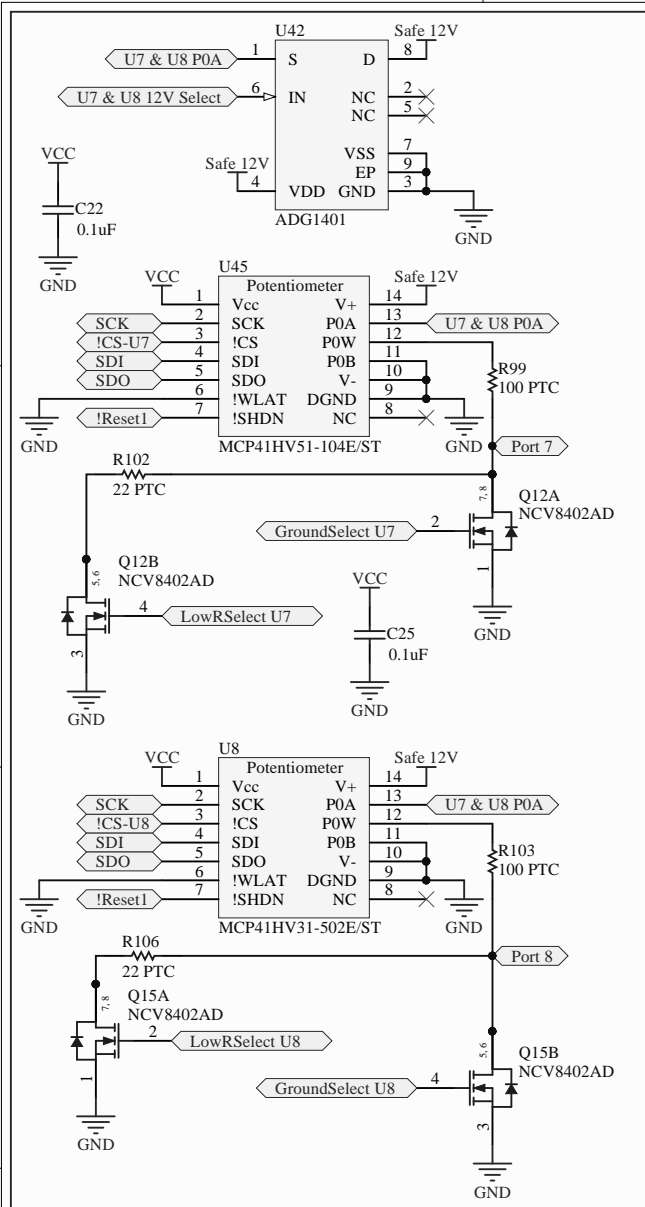
Universal Digital Pots 1 through 6.SchDoc

Revision: 6

Sheet 3 of 6

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





### Title: **SSS Daughter Board**

Description: Digital Pots: U7 to U12.

Date: 2/4/2016 Time: 10:54:18 PM

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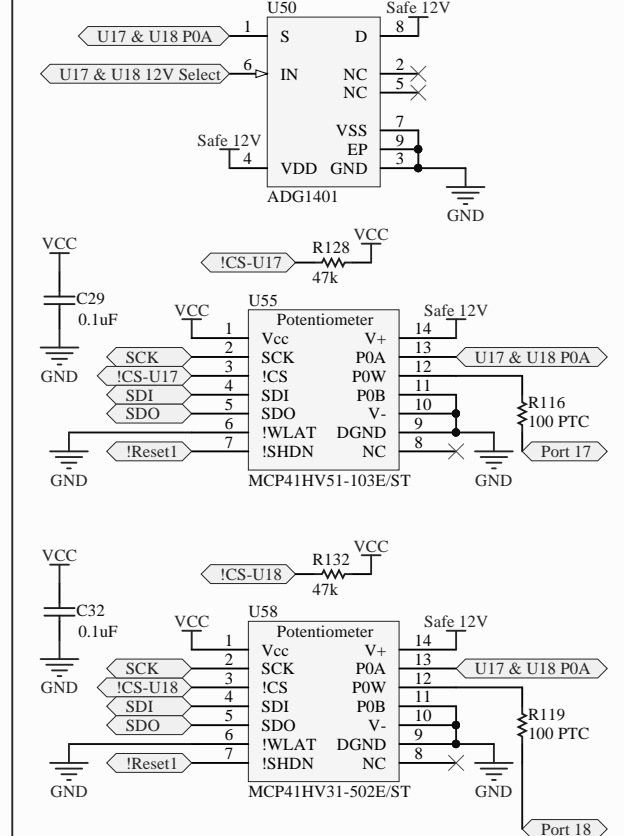
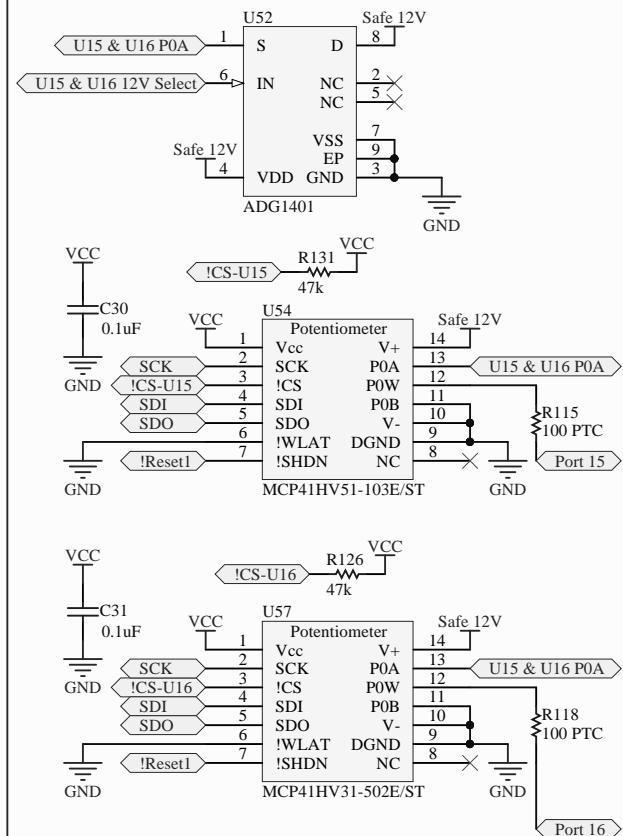
Universal Digital Pots 7 through 12.SchDoc

Revision: 6

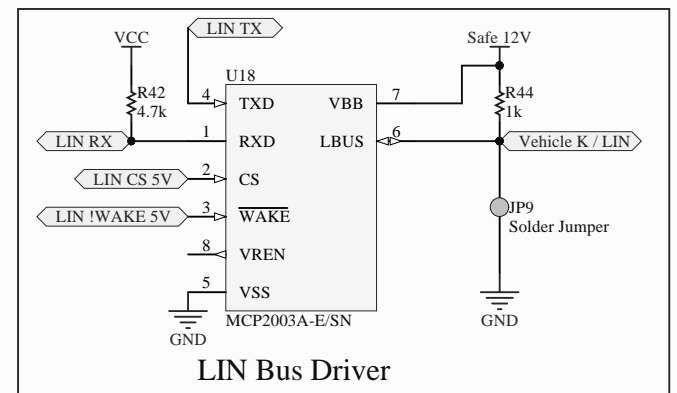
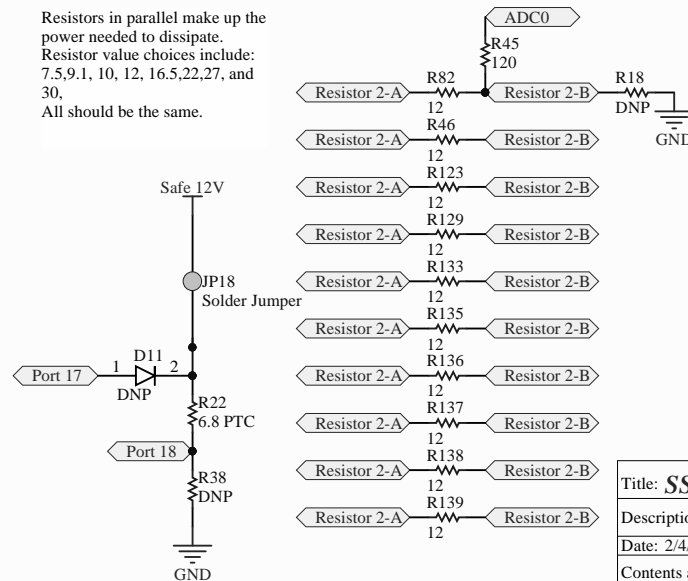
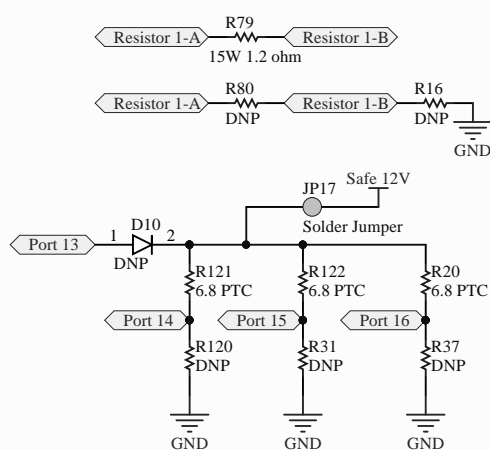
Sheet 4 of 6

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





Resistors in parallel make up the power needed to dissipate. Resistor value choices include: 7.5, 9.1, 10, 12, 16.5, 22, 27, and 30, All should be the same.



Title: *SSS Daughter Board*

Description: Digital Pots: U13 to U18.
--

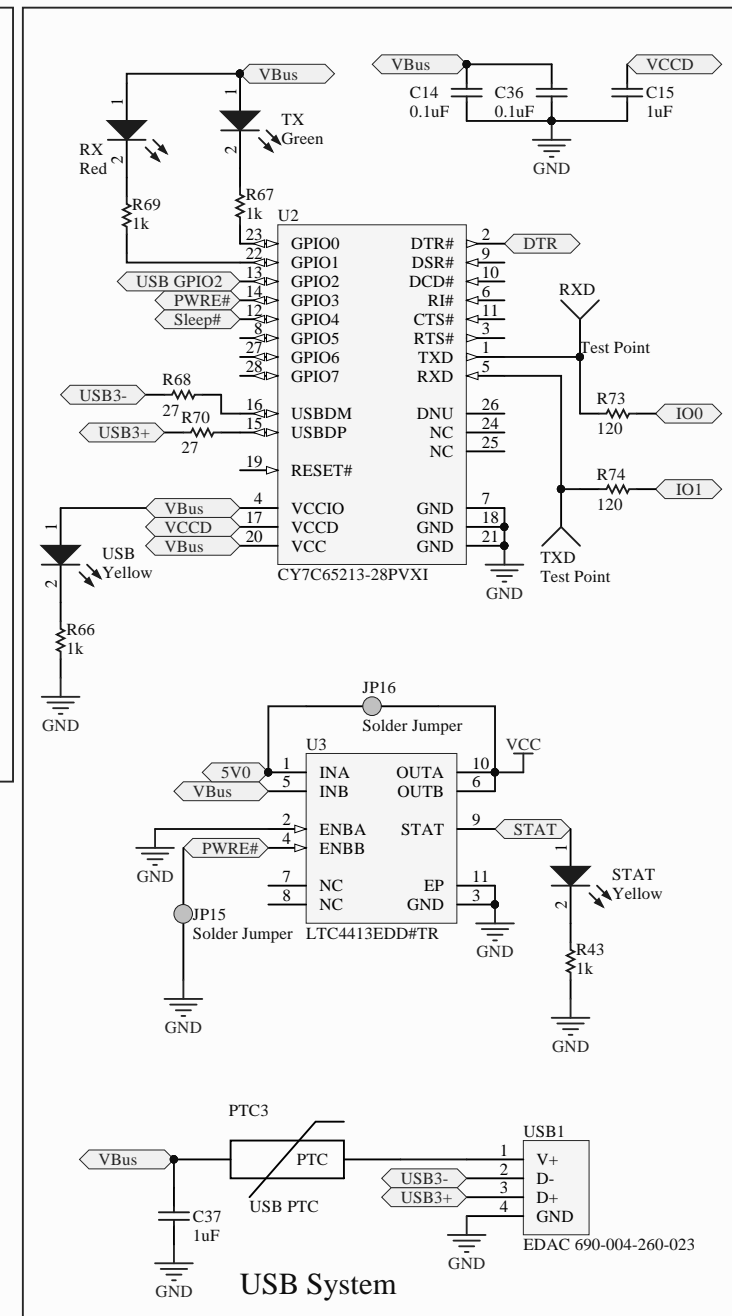
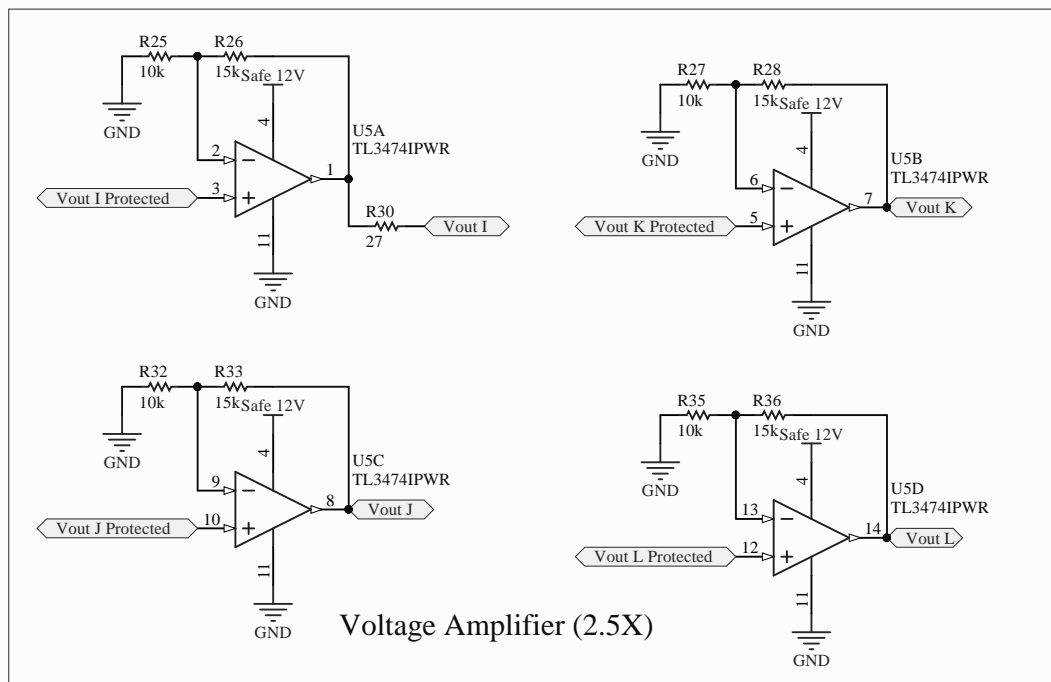
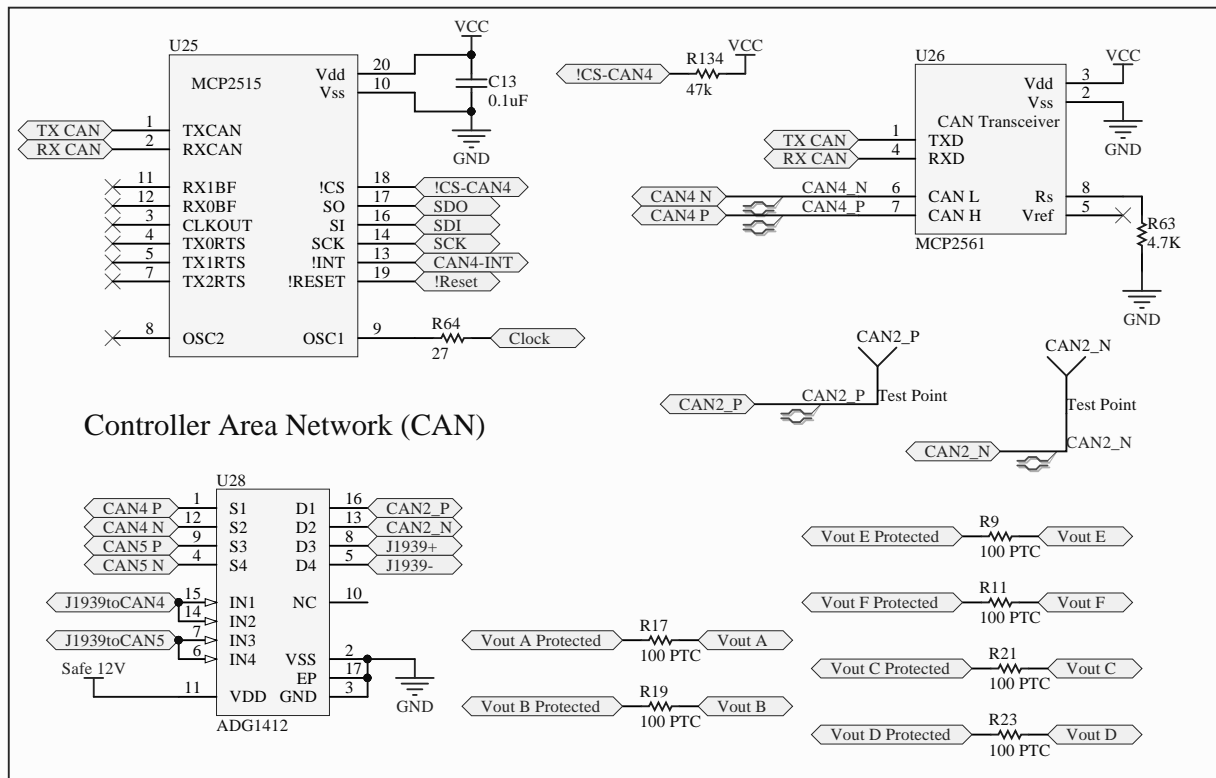
Date: 2/4/2016 Time: 10:54:18 PM


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Universal Digital Pots 13 through 18.SchDoc

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





Title: <b><i>SSS Daughterboard</i></b>			Drawn By: Dr. Jeremy Daily The University of Tulsa Mechanical Engineering 800 S. Tucker Dr Tulsa, OK 74104	
Description: CAN, USB and Amplifier.		Revision: 6		
Date: 2/4/2016	Time: 10:54:19 PM	Sheet 6 of 6		
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Daughter Board CAN.SchDoc				

