
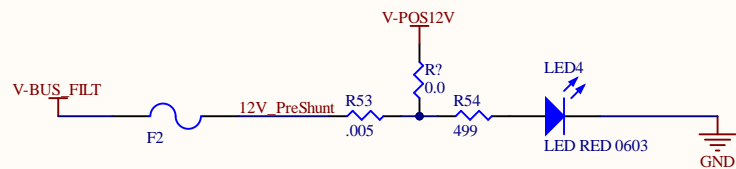


DRIVER IO


SOLAR CAR 1

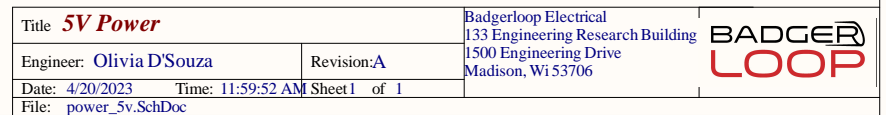
REV C

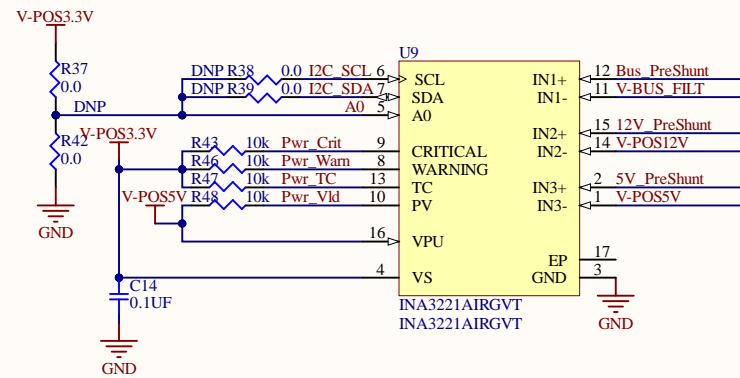
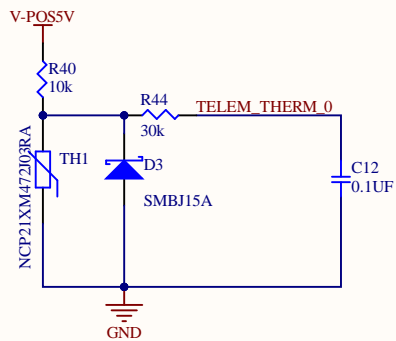
Title <i>Driver IO</i>		Badgerloop Electrical 133 Engineering Research Building 1500 Engineering Drive Madison, WI 53706	
Engineer:	Revision:		
Date: 4/20/2023	Time: 11:59:54 AM		
File: driver_io.SchDoc		Sheet 1 of 2	



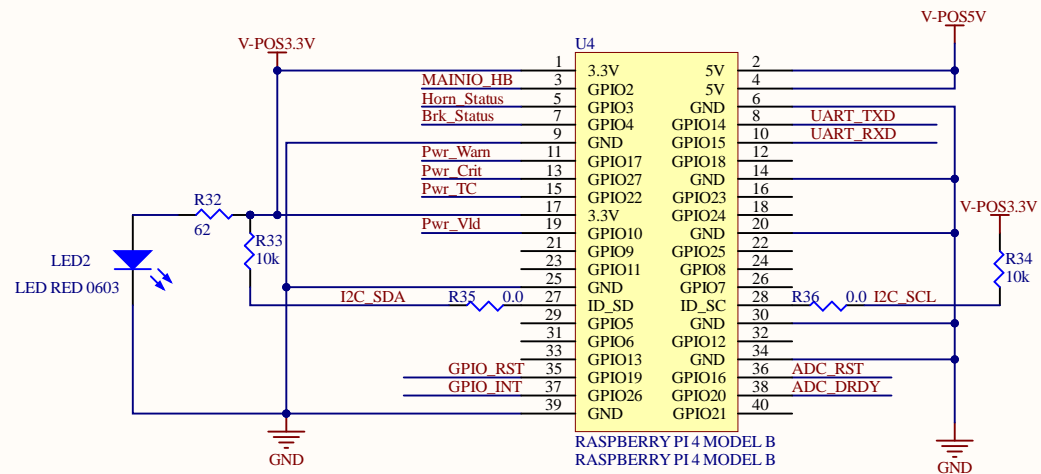
Placeholder until it is determined whether we need to regulate to 12V

Title 12V Power		Badgerloop Electrical 133 Engineering Research Building 1500 Engineering Drive Madison, WI 53706	
Engineer: McGregor Farah	Revision: A		
Date: 4/20/2023	Time: 11:59:52 AM		
File: power_12v.SchDoc		Sheet 1 of 1	






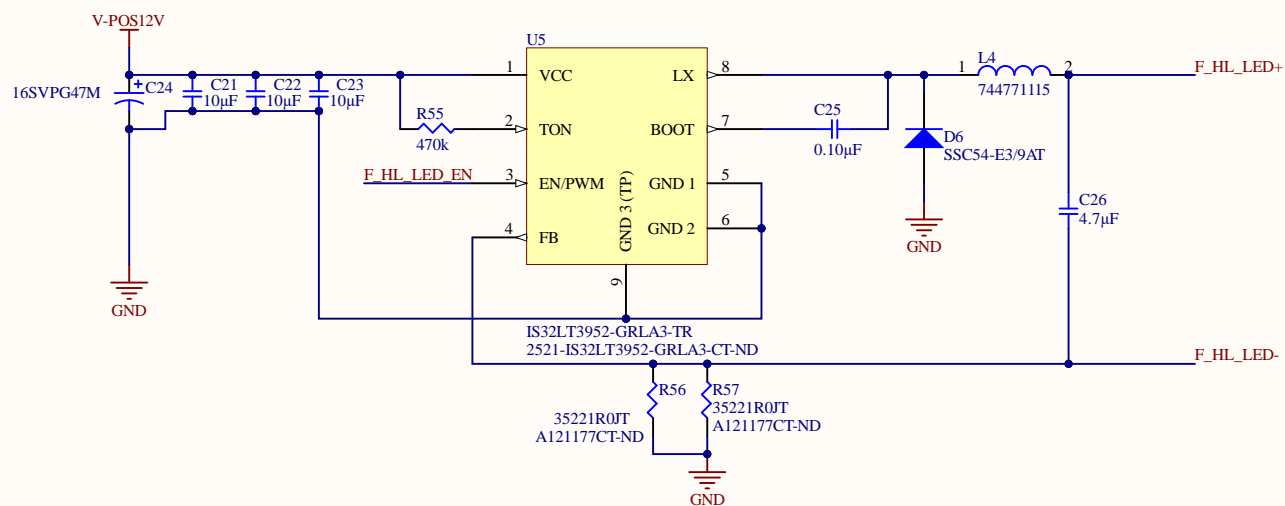
Title Miscellaneous Sensors		Badgerloop Electrical 133 Engineering Research Building 1500 Engineering Drive Madison, WI 53706	
Engineer: Marton Bocsi, McGregor Farah	Revision: A	<div> <div></div> <div></div> </div> BADGER LOOP	
Date: 4/20/2023	Time: 11:59:53 AM		
File: misc_sensors.SchDoc	Sheet 1 of 1		




Title MCU		Badgerloop Electrical 133 Engineering Research Building 1500 Engineering Drive Madison, WI 53706	
Engineer: McGregor Farah	Revision: A	<div> <div></div> <div>BADGER</div> <div>LOOP</div> </div>	
Date: 4/20/2023	Time: 11:59:53 AM		
File: MCU.SchDoc	Sheet 1 of 1		

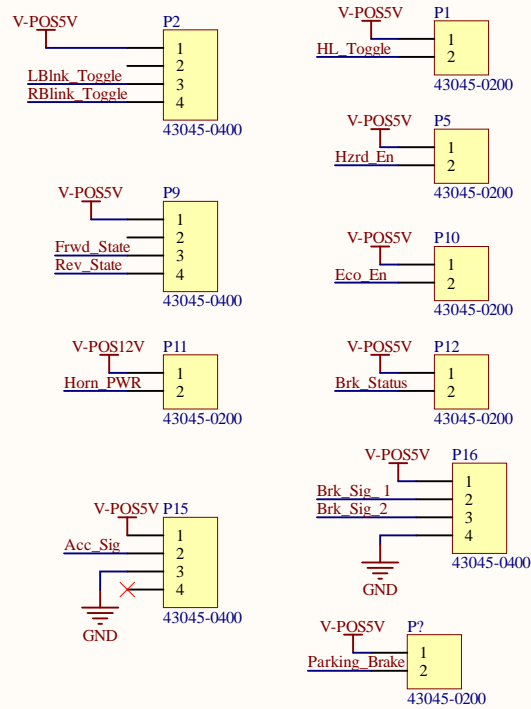
Title <i>Front Blinker Drivers</i>		Badgerloop Electrical		
Engineer: Alec Marshall		133 Engineering Research Building		
Revision: A		1500 Engineering Drive		
Date: 4/20/2023 Time: 11:59:53 AM Sheet 1 of 1		Madison, WI 53706		
File: ext_light_interface_frontturn.SchDoc				

Front headlight



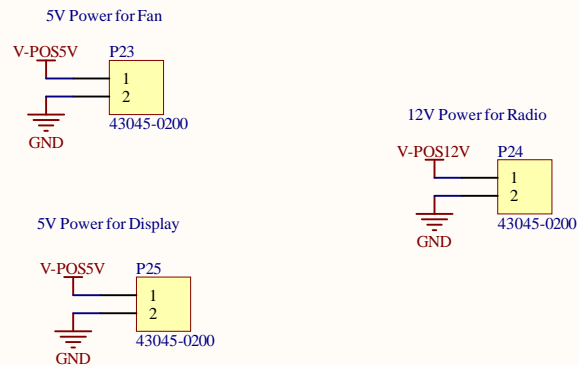
Title <i>Headlight Driver</i>		Badgerloop Electrical 133 Engineering Research Building 1500 Engineering Drive Madison, WI 53706 
Engineer: Alec Marshall	Revision: A	
Date: 4/20/2023	Time: 11:59:54 AM Sheet 1 of 1	
File: ext_light_interface_frontheadlight.SchDoc		

Driver Input Interface

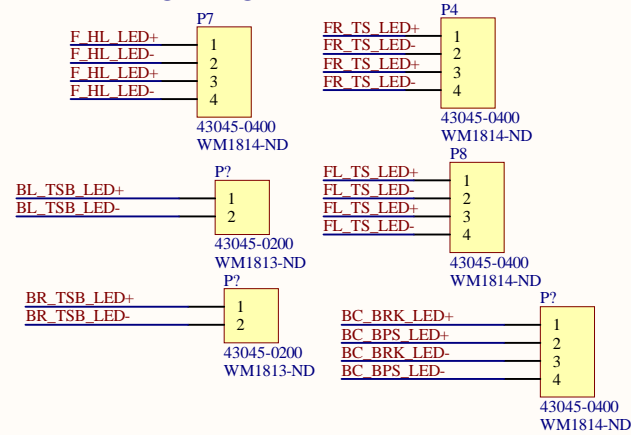


Revisit once specific switches are decided upon

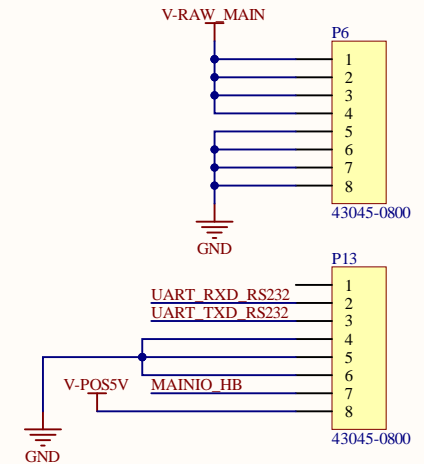
Software Interface



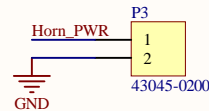
Lighting Interface



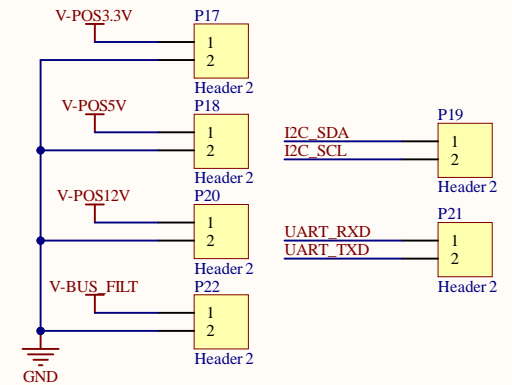
Main IO Interface



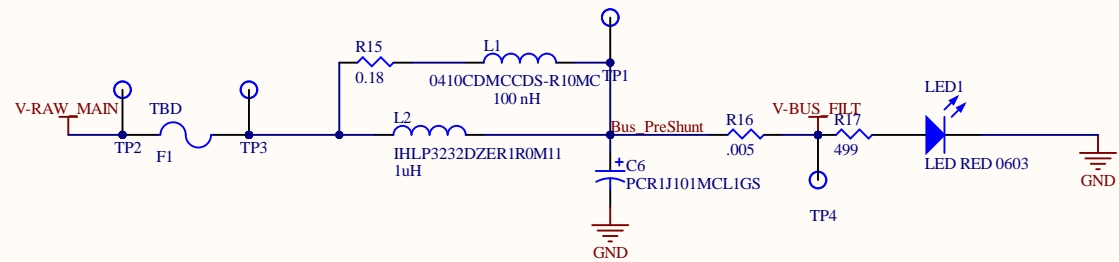
Output Interface




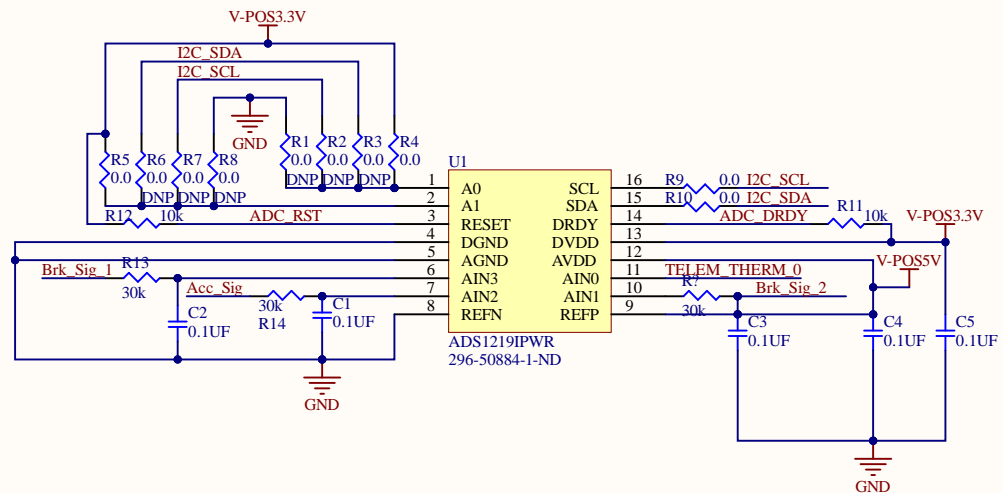
Debug Headers



Title Connectors		Badgerloop Electrical 133 Engineering Research Building 1500 Engineering Drive Madison, WI 53706	
Engineer: McGregor Farah, Olivia D'Souza	Revision: A	BADGER LOOP	
Date: 4/20/2023	Time: 11:59:55 AM		
File: connectors.SchDoc		Sheet 1 of 1	



Title Bus Filter		Badgerloop Electrical 133 Engineering Research Building 1500 Engineering Drive Madison, WI 53706	
Engineer: Marton Bocsi, McGregor Farah	Revision: A		
Date: 4/20/2023	Time: 11:59:55 AM		
File: bus_filter.SchDoc	Sheet 1 of 1		



Title ADC		Badgerloop Electrical	
Engineer: McGregor Farah		133 Engineering Research Building	
Date: 4/20/2023		1500 Engineering Drive	
File: adc.SchDoc		Madison, WI 53706	
Revision: A		Sheet 1 of 1	

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Title *		* * * *
Engineer: *		
Date: 4/20/2023	Time: 11:59:56 AM	
Sheet2 of 2		
File: Sheet1.SchDoc		



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