

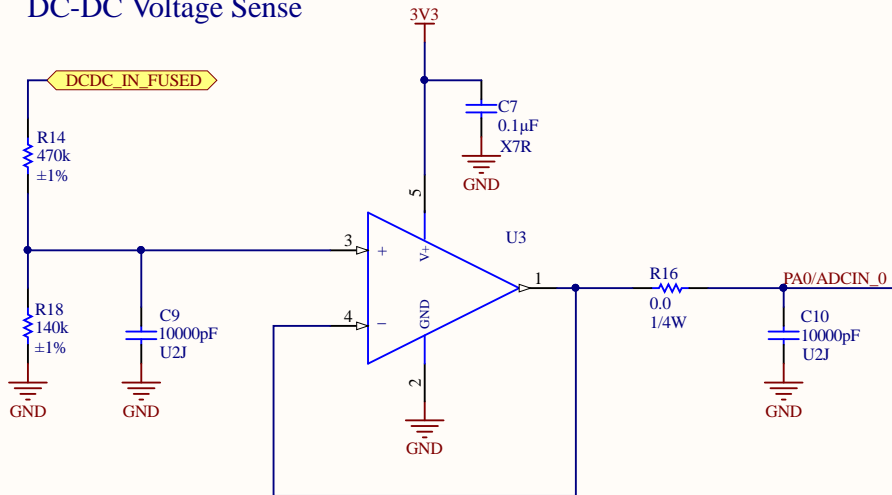


Project: PowerDistribution.PrjPcb		<div>MIDNIGHTSUN</div>
Title: Controller Board Interface		
Project Lead: Taiping Li		University of Waterloo 200 University Ave W Waterloo, ON, Canada N2L 3E9
Size: Letter	Revision: 1.6	
Date: 5/29/2017	Sheet2 of 7	
		Website: www.uwmidsun.com

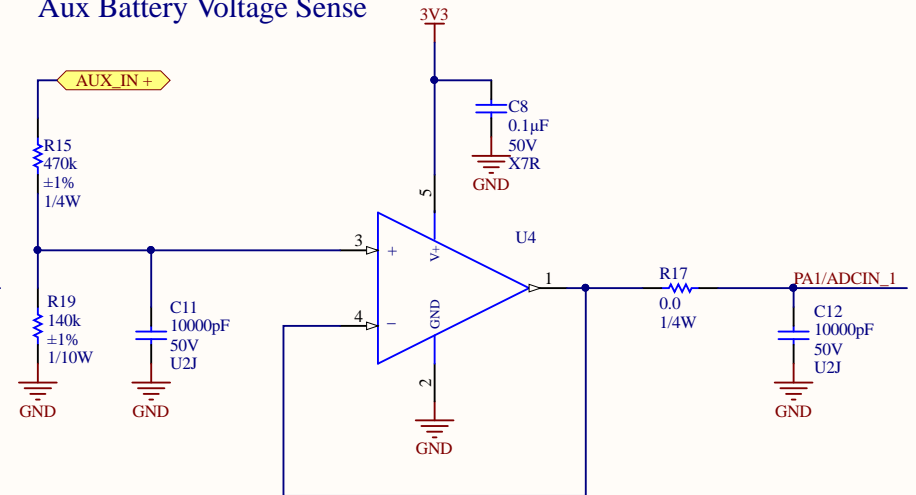


Project: PowerDistribution.PrjPcb		
Title: PowerPath		
Project Lead: Taiping Li		University of Waterloo 200 University Ave W Waterloo, ON, Canada N2L 3E9
Size: Letter	Revision: 1.6	
Date: 5/29/2017	Sheet 3 of 7	Website: www.uwmidsun.com

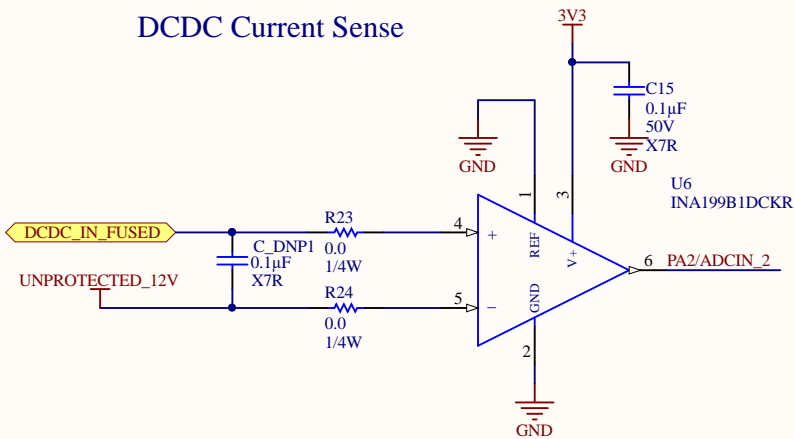
DC-DC Voltage Sense



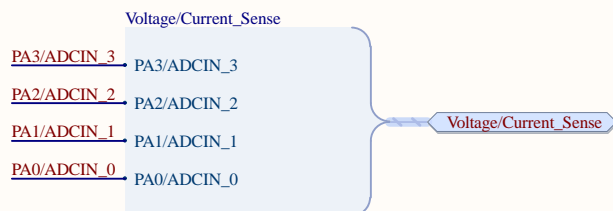
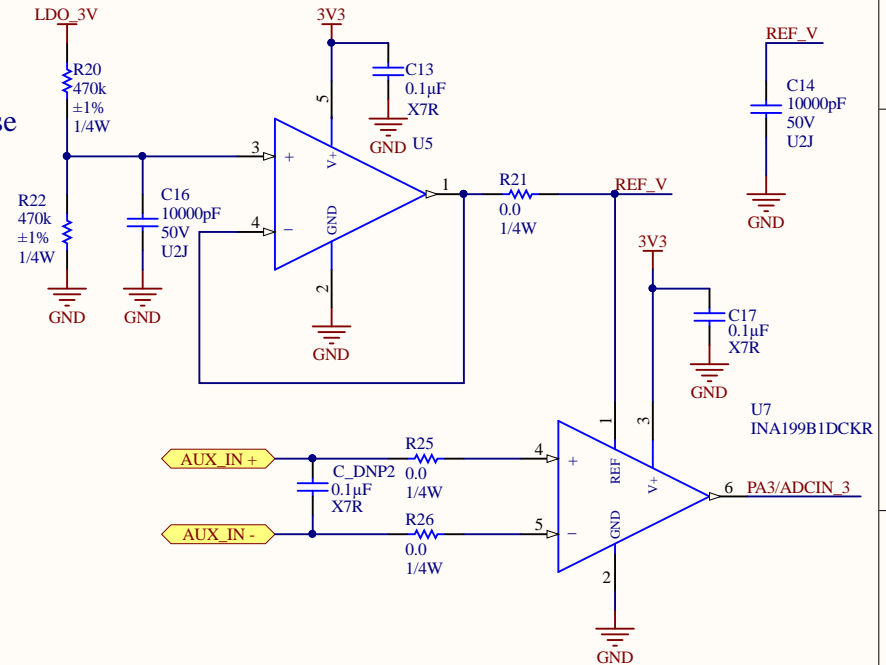
Aux Battery Voltage Sense



DCDC Current Sense



Aux Current Sense



Project: **PowerDistribution.PrjPcb**

Title: **Voltage & Current Sense**

Project Lead: Taiping Li

Size: Letter

Revision: 1.6

Date: 5/29/2017

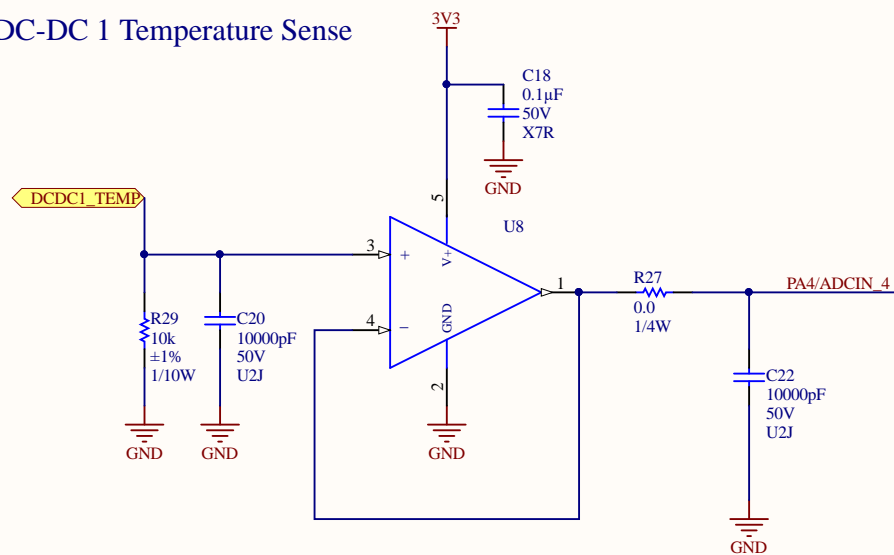
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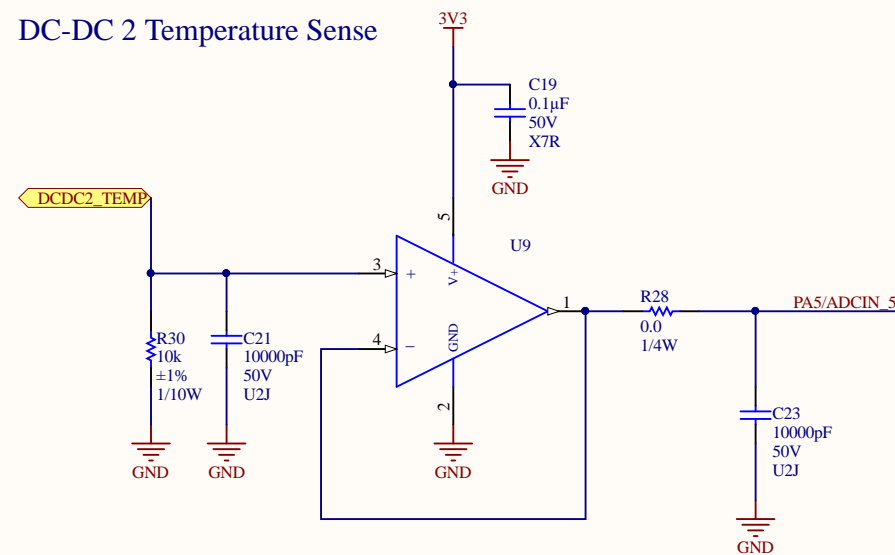
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DC-DC 1 Temperature Sense



DC-DC 2 Temperature Sense



Project: **PowerDistribution.PrjPcb**

Title: **Voltage/Current/Temp Sensing**

Project Lead: Taiping Li

Size: Letter

Revision: 1.6

Date: 5/29/2017

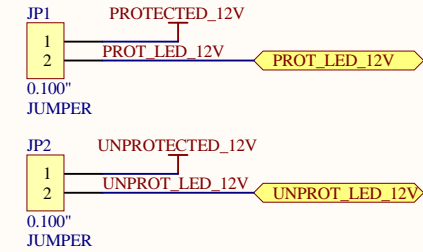
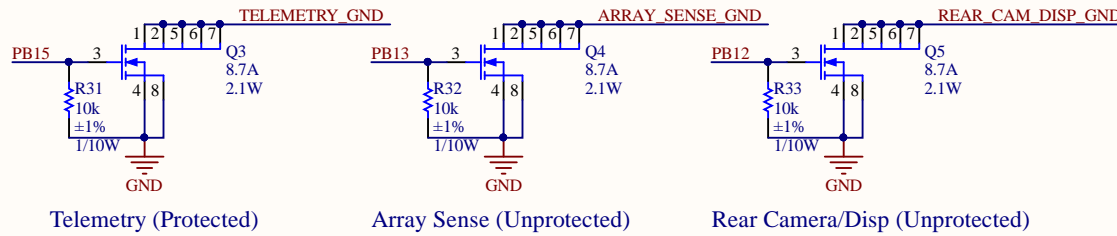
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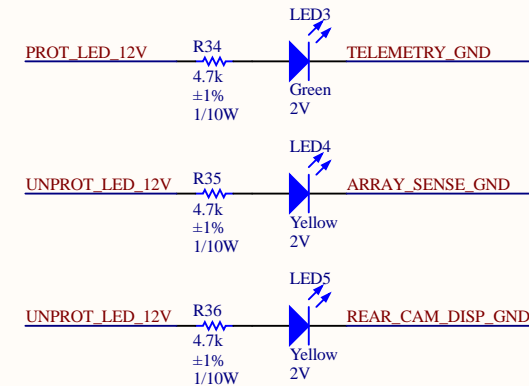
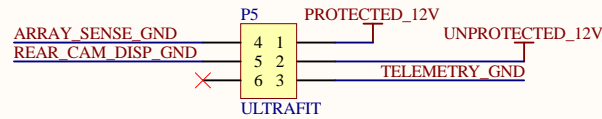
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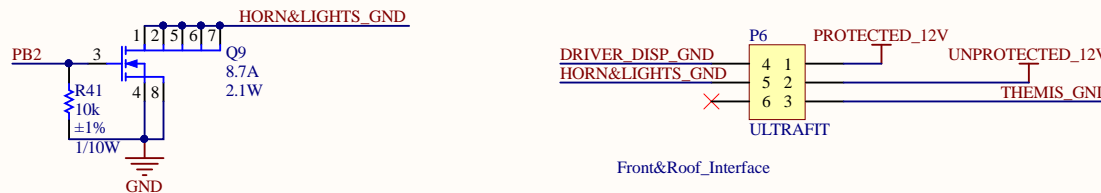
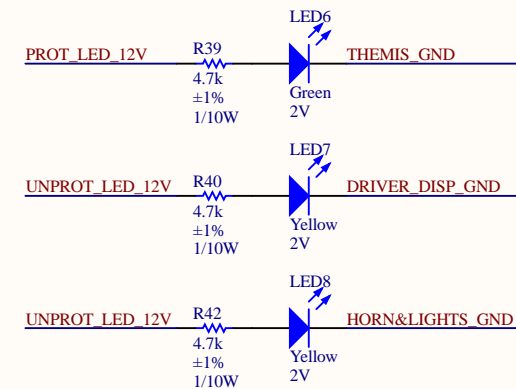
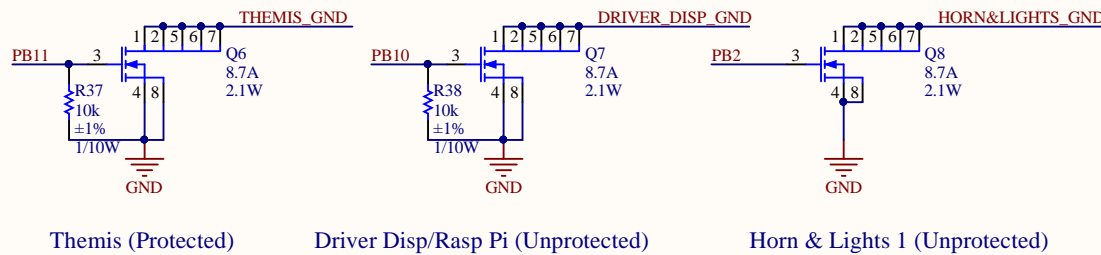
Roof Enclosure



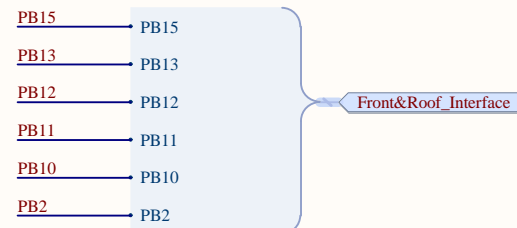
Remove jumpers to disable all LEDs



Front Enclosure

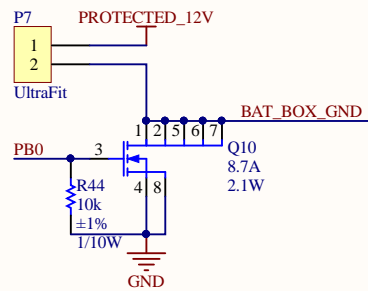


Horn & Lights 1 is in parallel with Horn & Lights 2 for load sharing

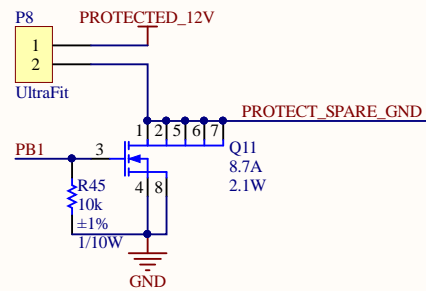


Project:	PowerDistribution.PrjPcb	
Title:	Front and Roof Enclosure Boards	
Project Lead:	Taiping Li	
Size:	Letter	Revision: 1.6
Date:	5/29/2017	Sheet6 of 7

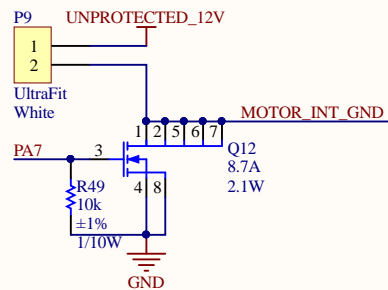
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Website: www.uwmidsun.com	



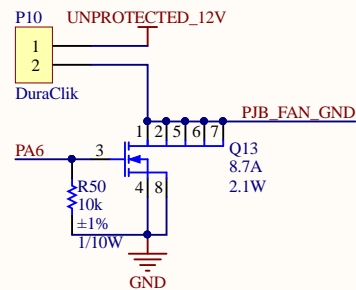
Battery Box (Protected)



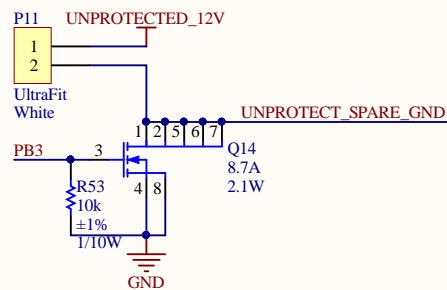
Spare (Protected)



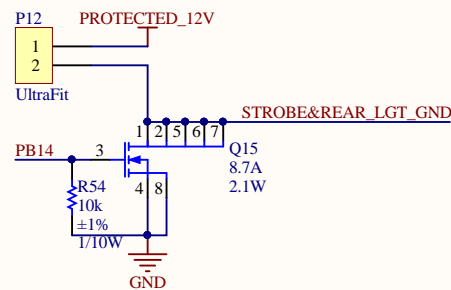
Motor Interface (Unprotected)



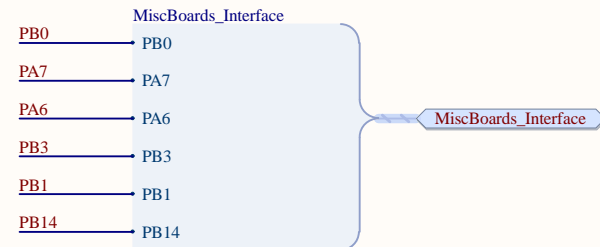
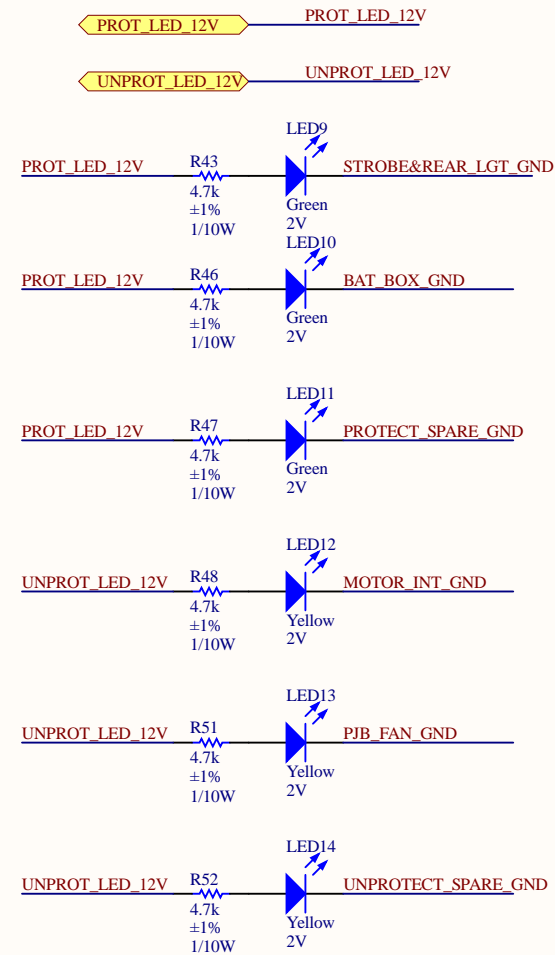
PJB Fans (Unprotected)



Spare (Unprotected)



Strobe&RearLights (Protected)



White/Natural color for unprotected rail

Project: **PowerDistribution.PrjPcb**Title: **Misc Boards Switching**

Project Lead: Taiping Li

Size: Letter

Revision: 1.6

Date: 5/29/2017

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