
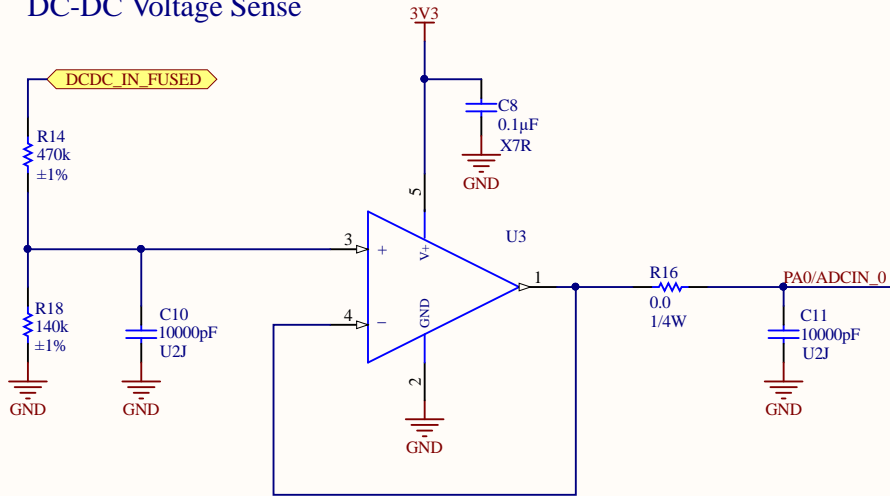
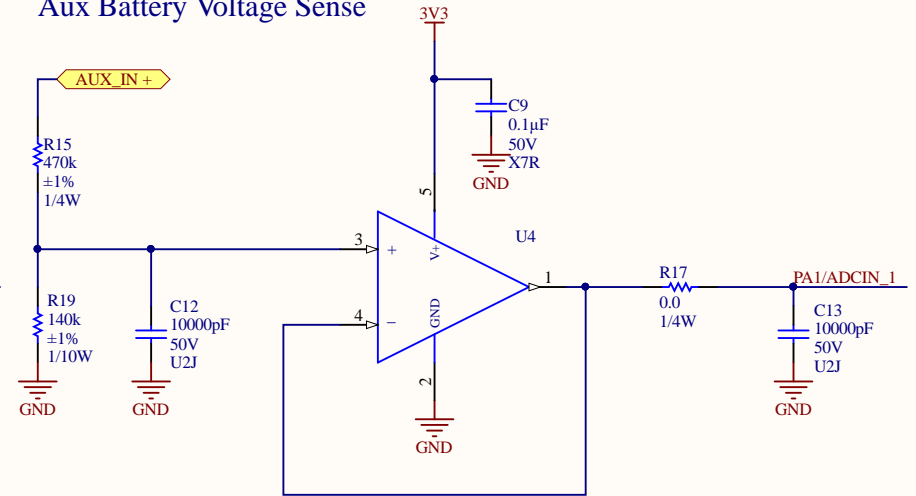


Project: PowerDistribution.PrjPcb		
Title: Controller Board Interface		
Project Lead: Taiping Li		University of Waterloo 200 University Ave W Waterloo, ON, Canada N2L 3E9 Website: www.uwmidsun.com
Size: Letter	Revision: 1.7	
Date: 5/30/2017	Sheet2 of 7	

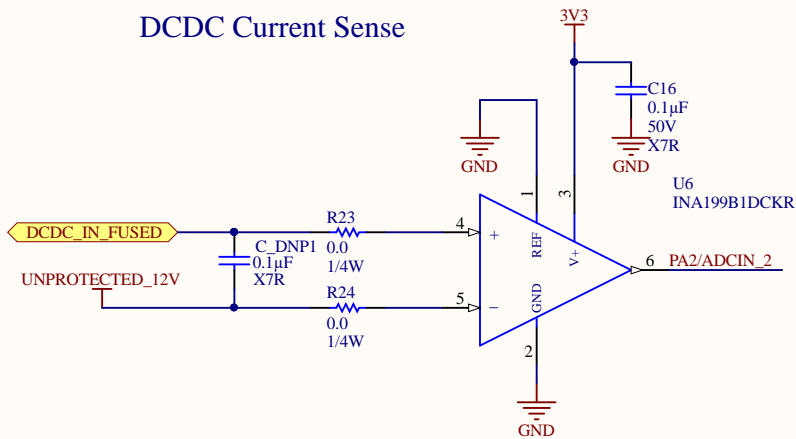
DC-DC Voltage Sense



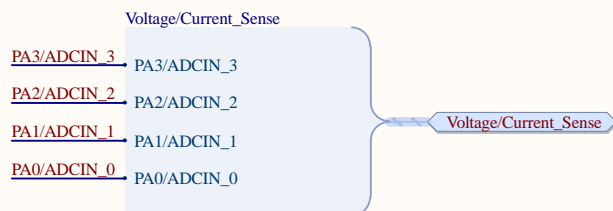
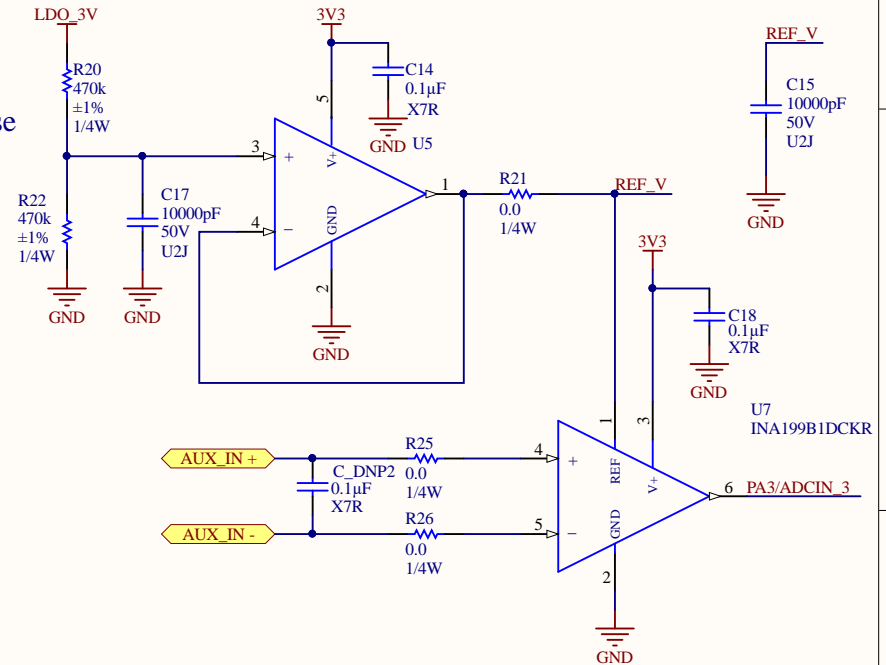
Aux Battery Voltage Sense



DCDC Current Sense



Aux Current Sense



Project: **PowerDistribution.PrjPcb**

Title: **Voltage & Current Sense**

Project Lead: Taiping Li

Size: Letter

Revision: 1.7

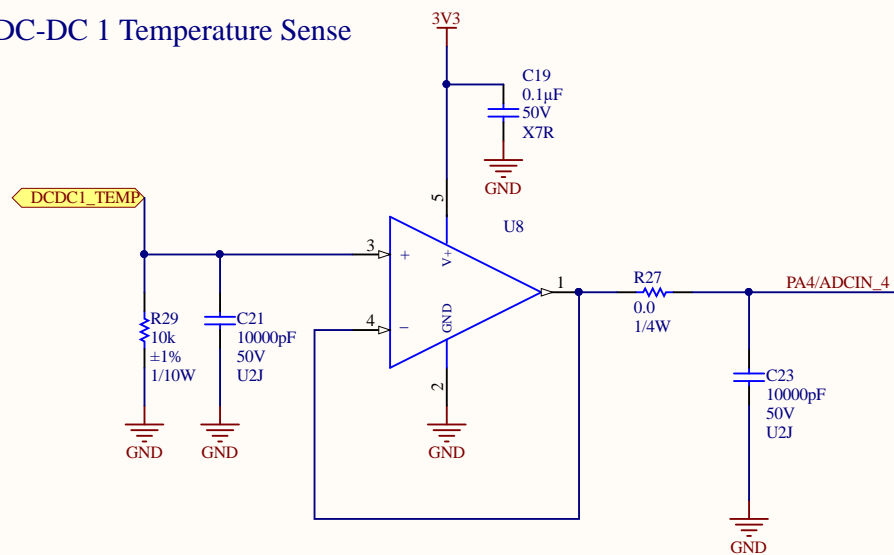
Date: 5/30/2017

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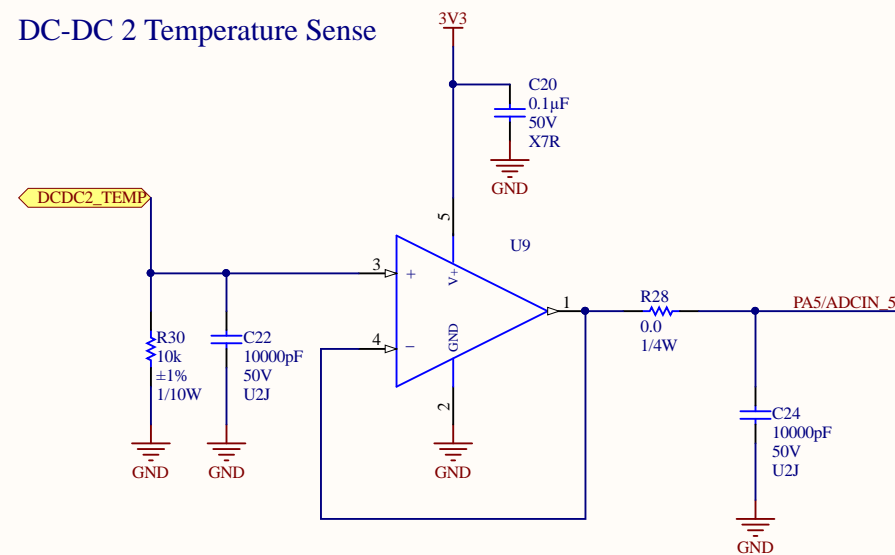


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DC-DC 1 Temperature Sense



DC-DC 2 Temperature Sense



Project: **PowerDistribution.PrjPcb**

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

Project Lead: **Taiping Li**

Size: **Letter**

Revision: **1.7**

Date: **5/30/2017**

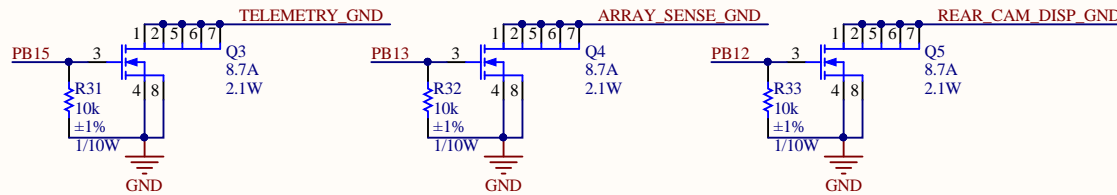
Sheet **5** of **7**



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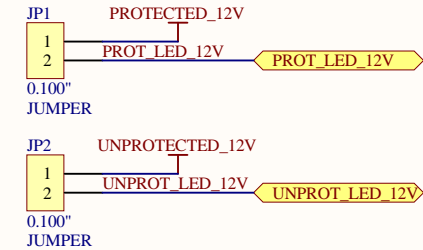
Roof Enclosure



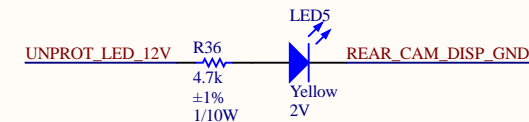
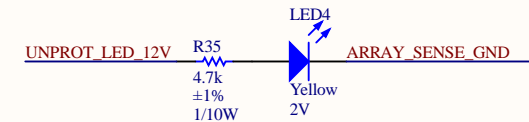
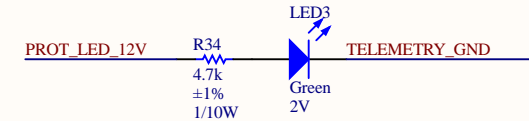
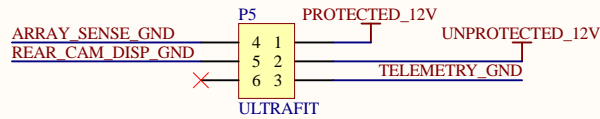
Telemetry (Protected)

Array Sense (Unprotected)

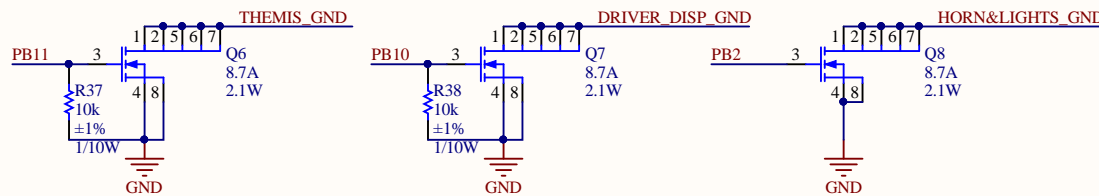
Rear Camera/Disp (Unprotected)



Remove jumpers to disable all LEDs



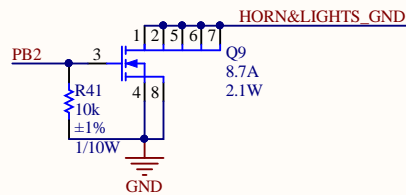
Front Enclosure



Themis (Protected)

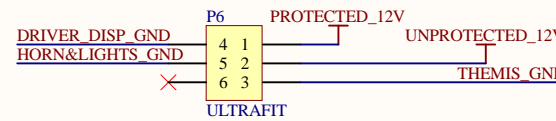
Driver Disp/Rasp Pi (Unprotected)

Horn & Lights 1 (Unprotected)

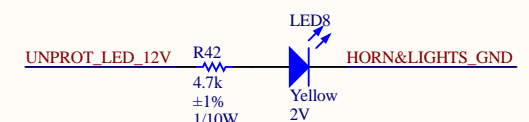
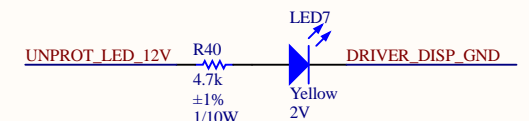
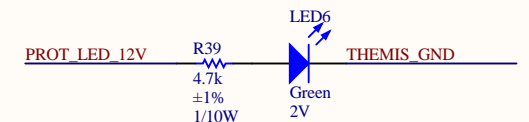
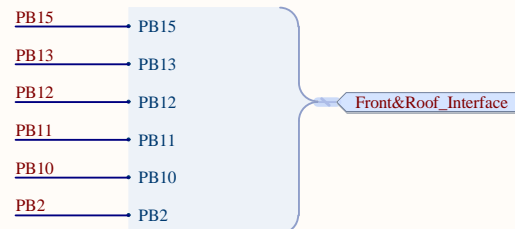


Horn & Lights 2 (Unprotected)

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



Front&Roof_Interface



Project: **PowerDistribution.PrjPcb**

Title: **Front and Roof Enclosure Boards**

Project Lead: Taiping Li

Size: Letter

Revision: 1.7

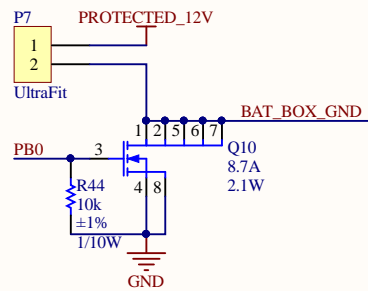
Date: 5/30/2017

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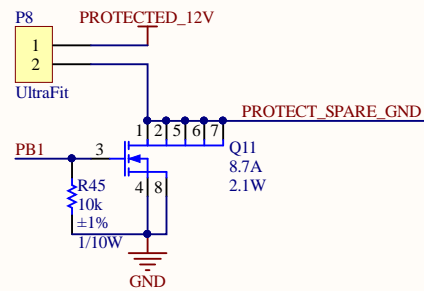


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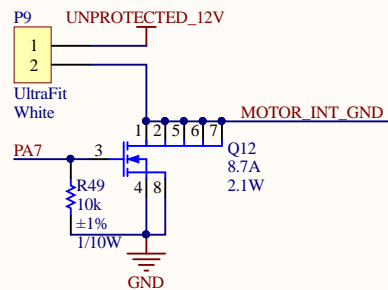
Website: www.uwmidsun.com



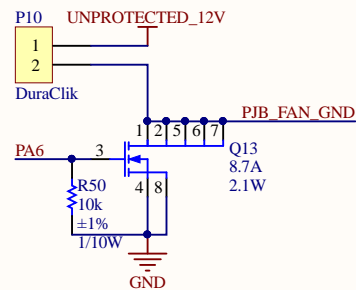
Battery Box (Protected)



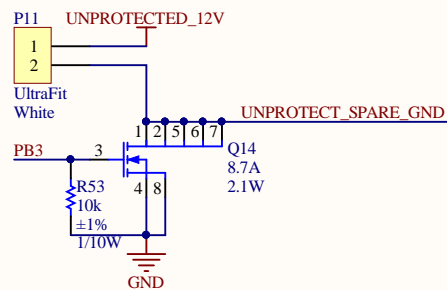
Spare (Protected)



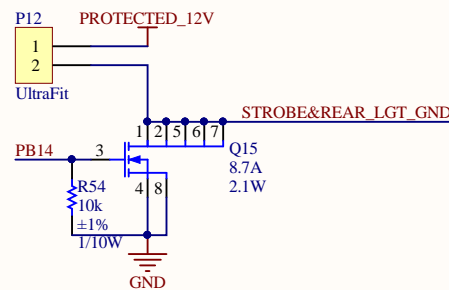
Motor Interface (Unprotected)



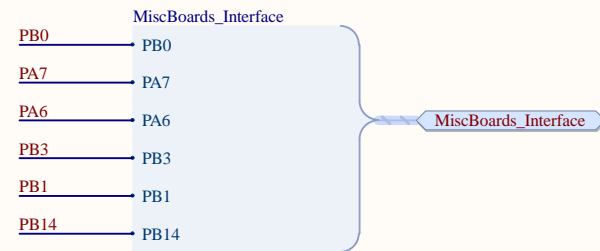
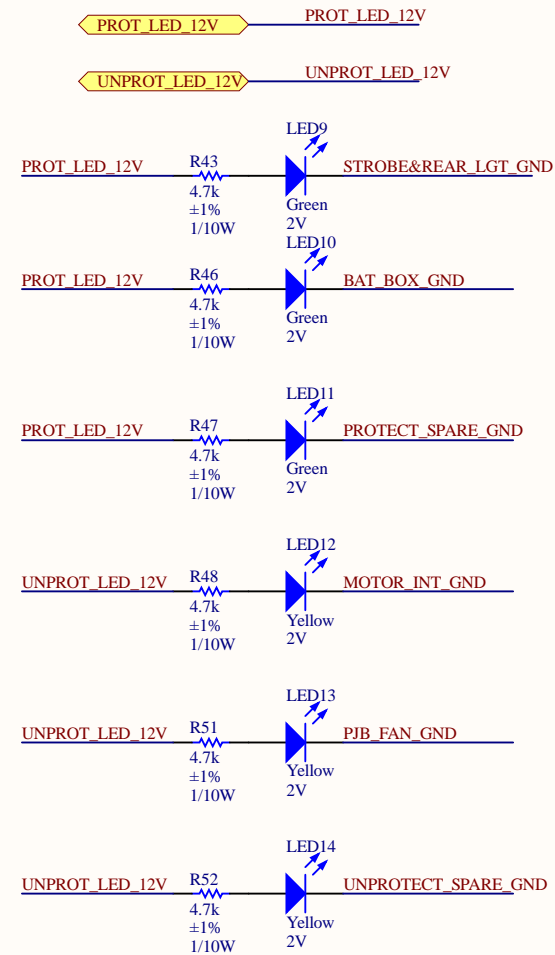
PJB Fans (Unprotected)



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: 1.7

Date: 5/30/2017

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MIDNIGHT SUN

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