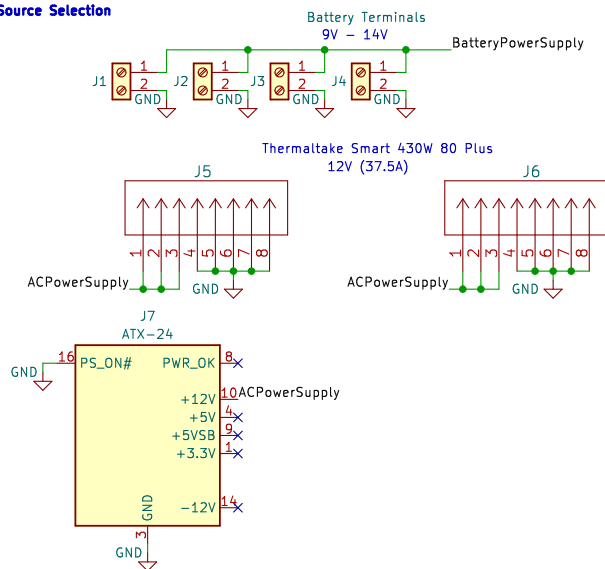


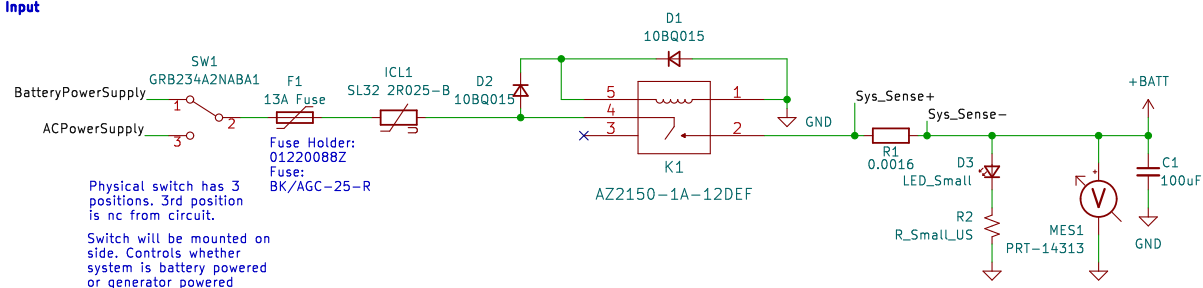
Power Budget			
Voltage	Item	Current	Power
5V	USB Power	2A	10 W
12V	RLCS	12A max	144 W max
	Fans	300 mA	3.6 W
	Router	500 mA	6 W
24V	DAQ Laptop	6A max	72 W max
	DAQ Antenna	300 mA	7.2 W
Total Power: 250 W max 14 awg wire required			

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File: GSPD Board.kicad_sch		
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KiCad E.D.A. eeschema (6.0.7)		Id: 1/4

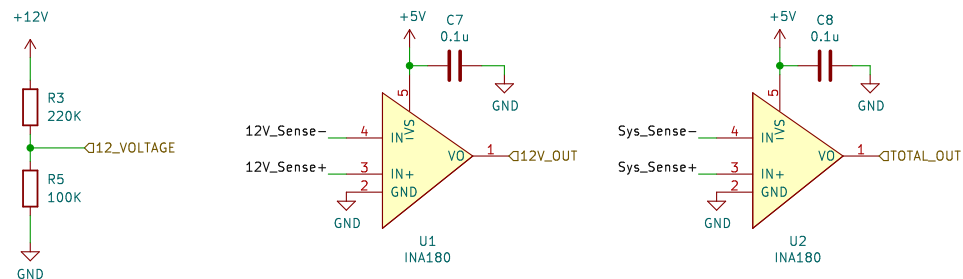
Source Selection



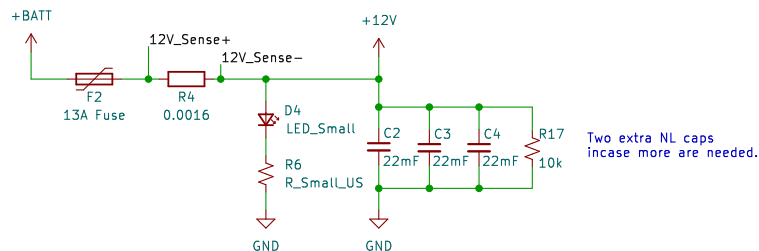
Input



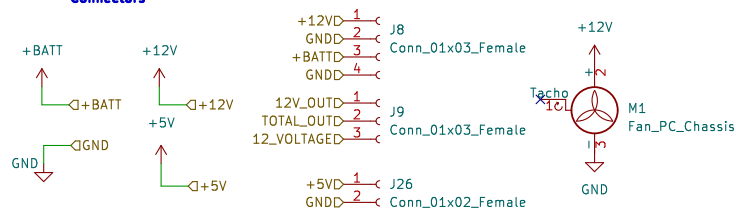
Voltage + Current Sensing



12V Converter



Connectors



Sheet: /Input/
File: Input.kicad_sch

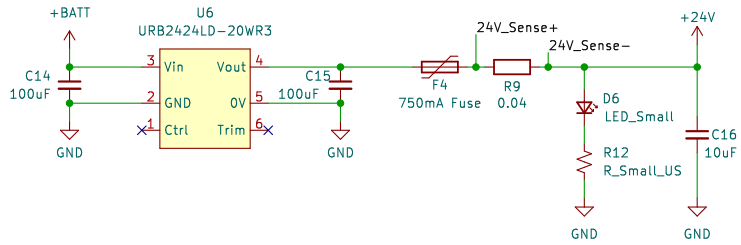
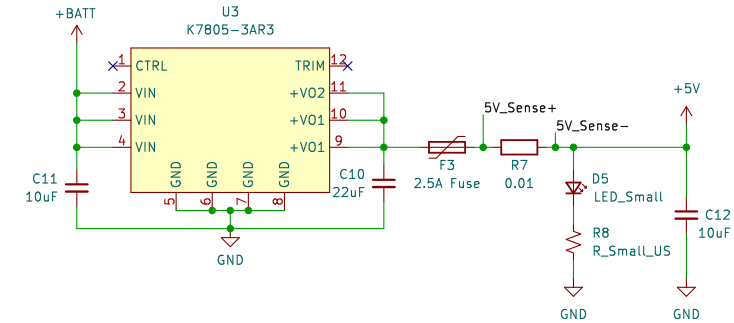
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Size: A4 Date:
KiCad E.D.A. eeschema (6.0.7)

Rev:
Id: 2/4

Converters

Note: Caps are 50V



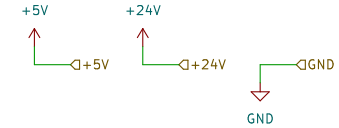
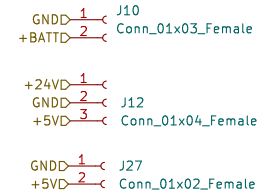
Screw Terminals for DAQ Voltage Sensing



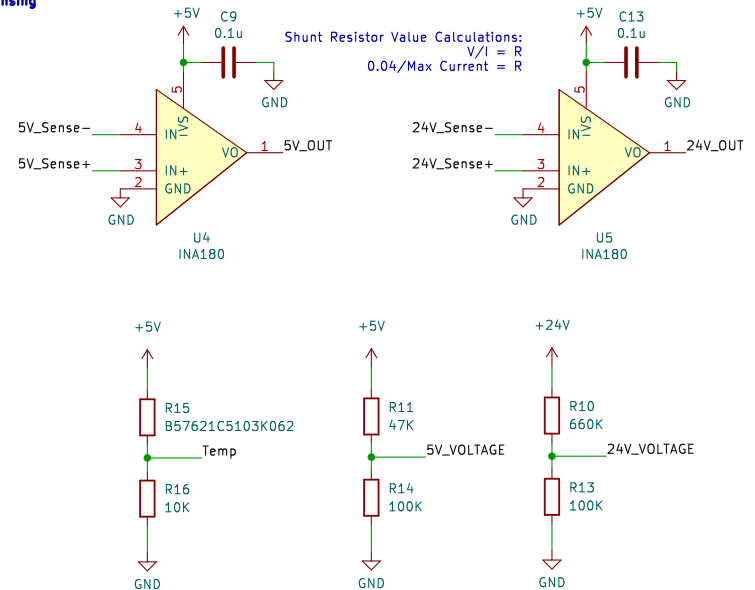
Screw Terminals for DAQ Current Sensing



Connectors



Sensing



Sheet: /Converters/
File: Converters.kicad_sch

Title:

Size: A4 Date: KICad E.D.A. eeschema (6.0.7)

Rev: Id: 3/4

