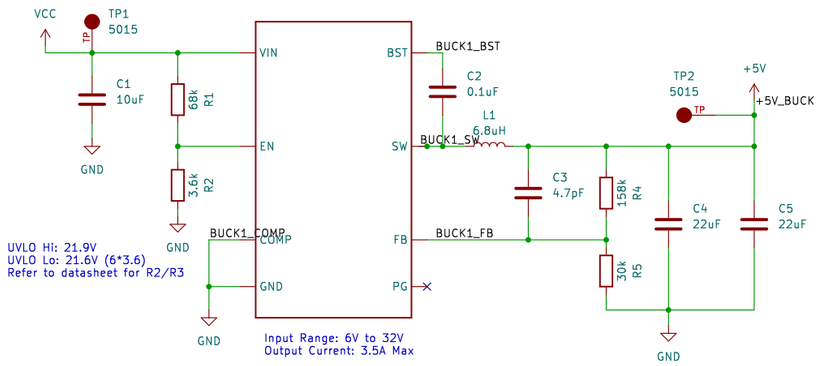
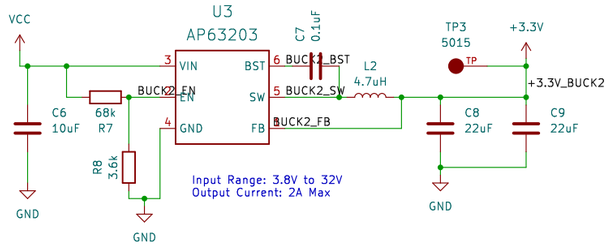
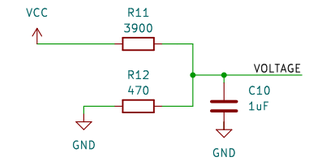
5V Buck Converter



3.3V Buck Converter



Voltage Divider



Vout MUST be lower than 3.3V!

Vteensy = Vbat * (R1/(R1+R2))

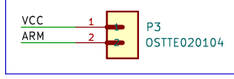
3.3V = 2^10-1 = 1023 and 1/5 voltage divider gives 1023 / (3.3 x 5) = 62
Code: Voltage=(float)analogRead(15)/62;

10.8 V < 3S < 12.6V
14.4 V < 4S < 16.8 V
21.6 V < 6S < 25.2 V

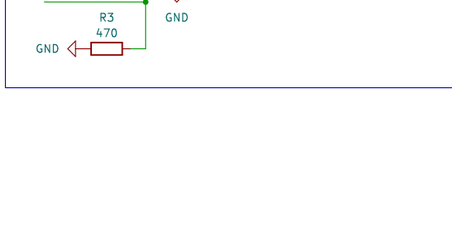
Battery

PWR Switch

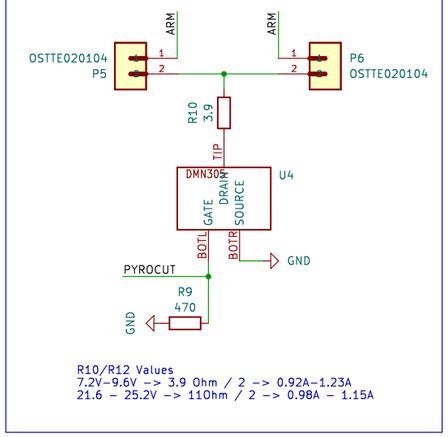
Arm Switch



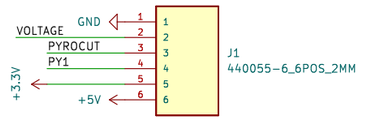
Landing Leg Release



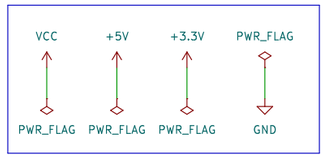
Wire Cutter

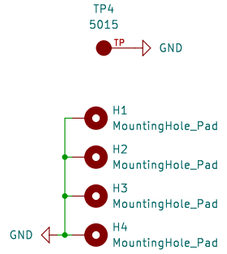


OBC Connector



Power Flags





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Author: Luca Beretta

Title: SAIL Power Distribution Board

Size: A3	Date: 01/17/2024	**Rev:** 1.0
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