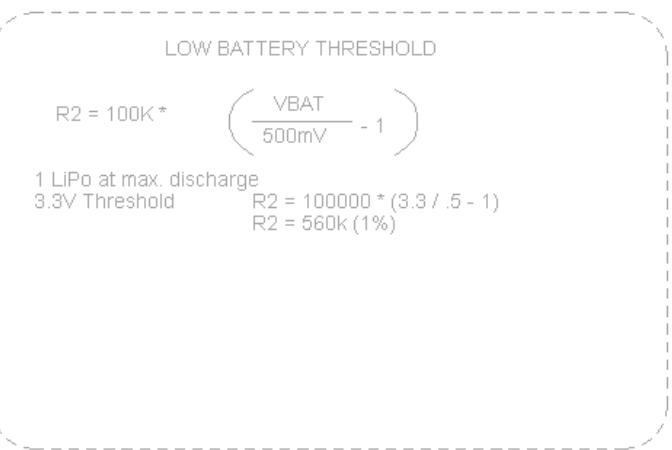


6.8uH power w/2A current

R2 < 500K
R1 = 5.5 * R2 (3.2V LBO)

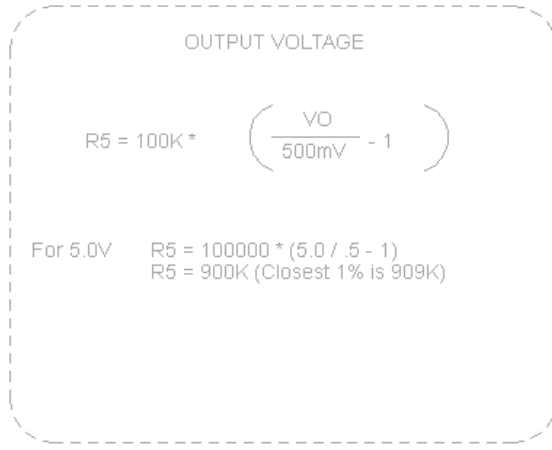
Both grounds must be connected on the PCB at only one point close to the GND pin.



LOW BATTERY THRESHOLD

$$R2 = 100K * \left(\frac{VBAT}{500mV} - 1 \right)$$

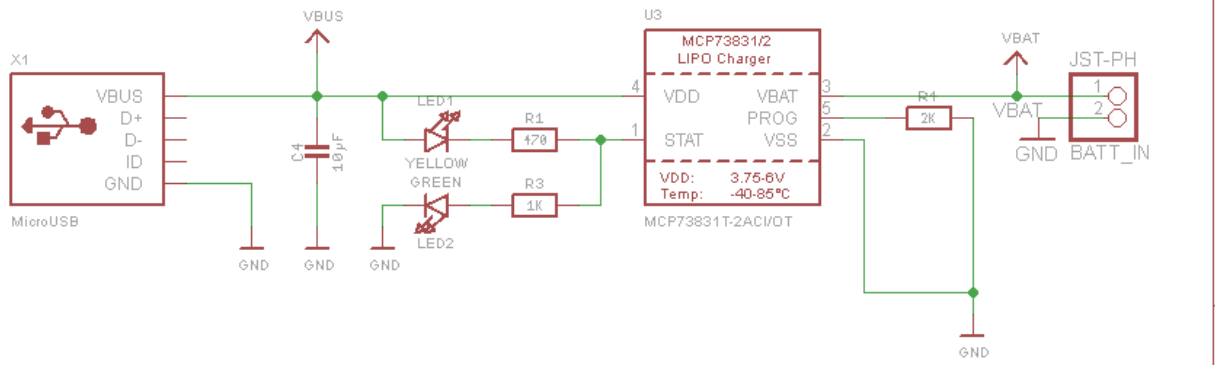
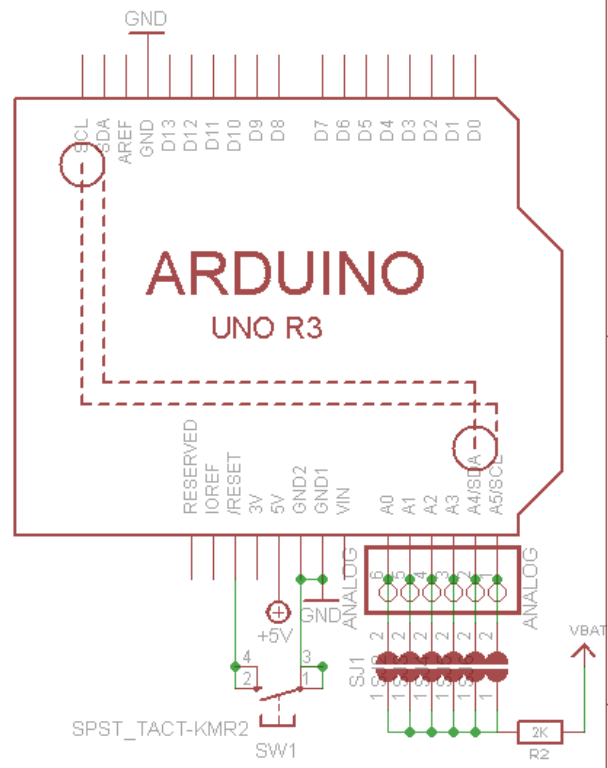
1 LiPo at max. discharge
3.3V Threshold
R2 = 100000 * (3.3 / .5 - 1)
R2 = 560k (1%)



OUTPUT VOLTAGE

$$R5 = 100K * \left(\frac{VO}{500mV} - 1 \right)$$

For 5.0V
R5 = 100000 * (5.0 / .5 - 1)
R5 = 900K (Closest 1% is 909K)



PowerBoost Shield v0.5

not saved!	Sheet: 1/1
Drawing: >AUTHOR	Adafruit Industries