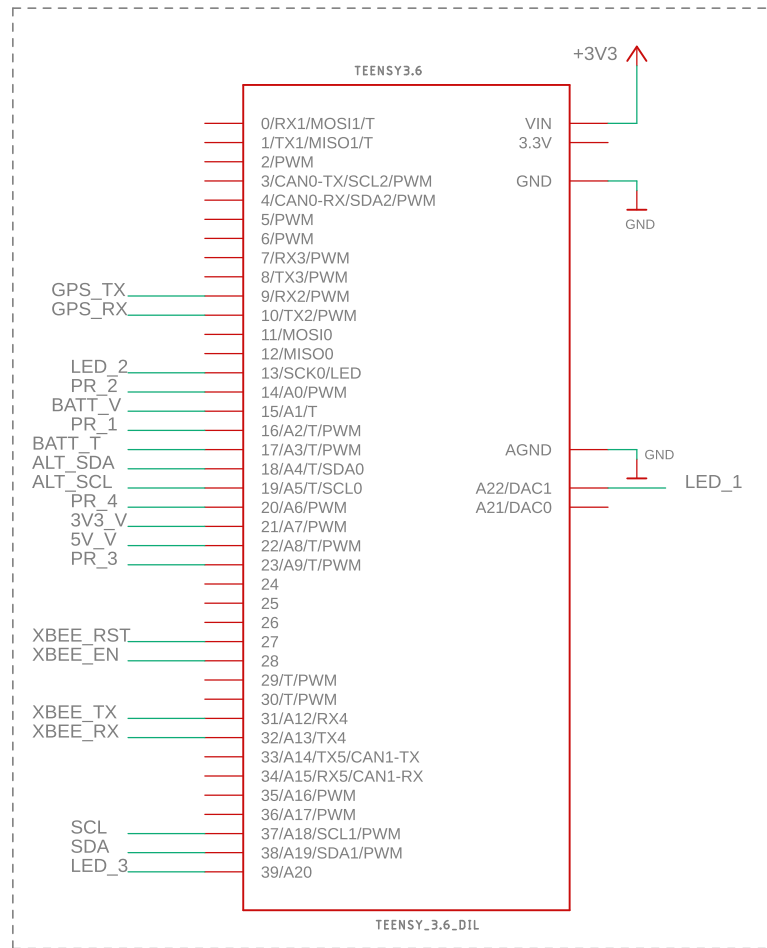


Main Control Unit

MCU



NOTES:

University of Pittsburgh SOAR
Avionics Team 2019 - 2020
NASA Student Launch

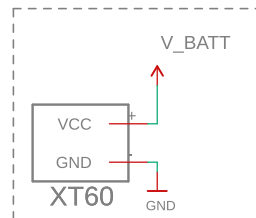
sca

11/27/2019 9:18 PM

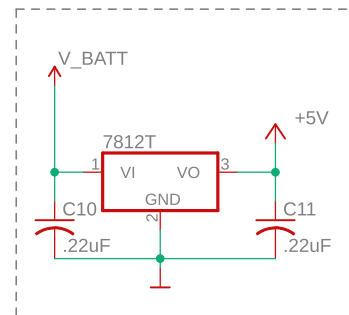
Sheet: 1/4

Power

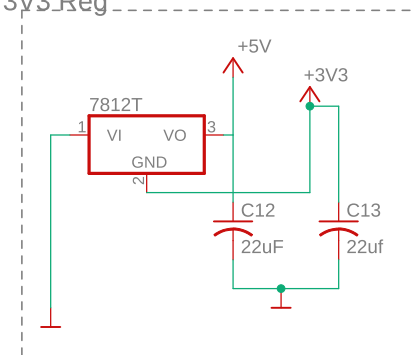
Lipo Connector



5V Reg



3V3 Reg

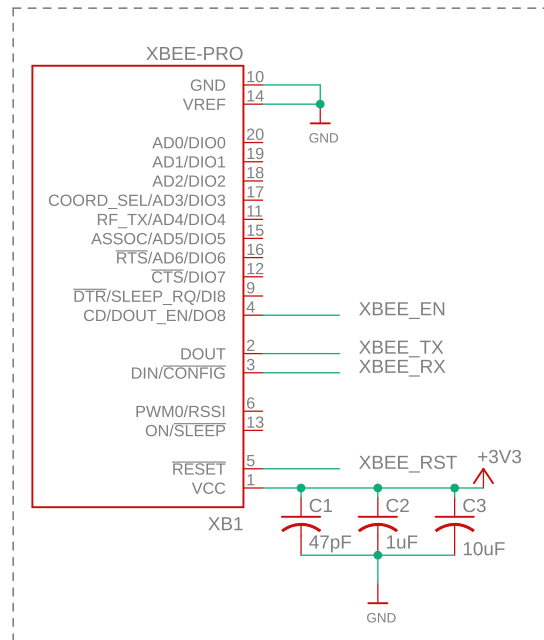


NOTES:

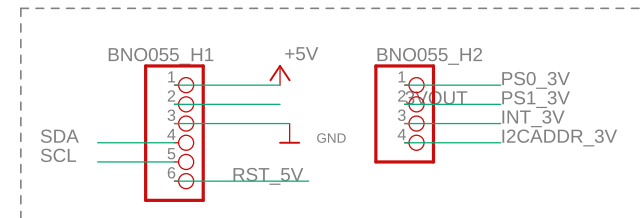
- 1) Place capacitors as close to regulator as possible

Digital Sensors

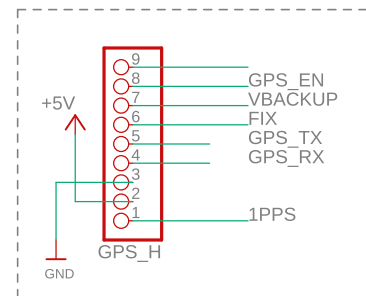
Xbee



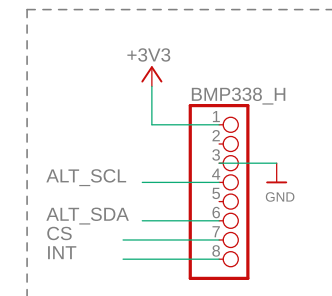
IMU



GPS



Altimeter

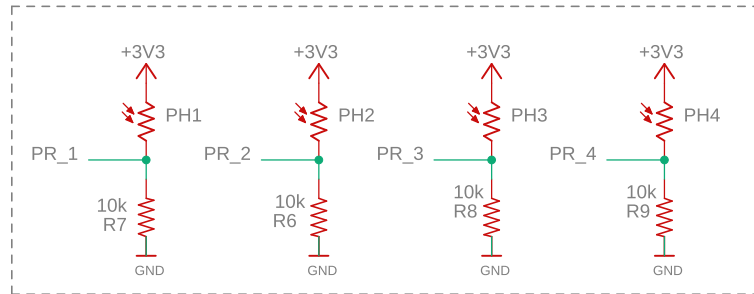


NOTES:

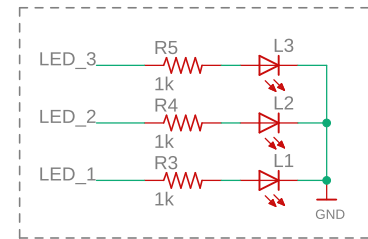
- 1) Place Xbee decoupling capacitors in order shown
- 2) Place capacitors as close to Xbee Vcc as possible

Analog Sensors

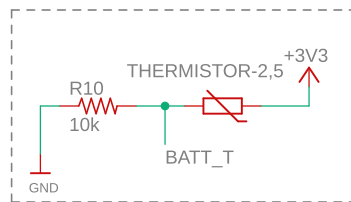
Photoresistors



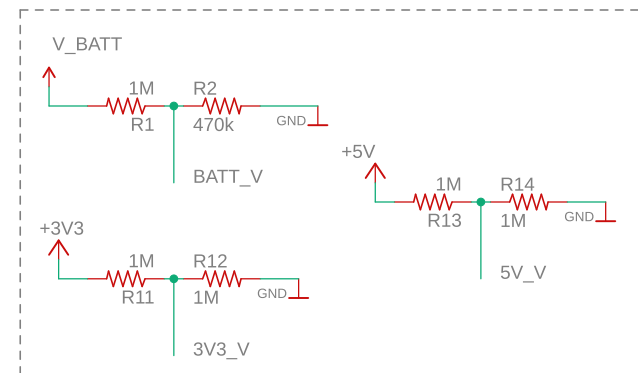
Indicator LEDs



Thermistor



Voltage



NOTES: