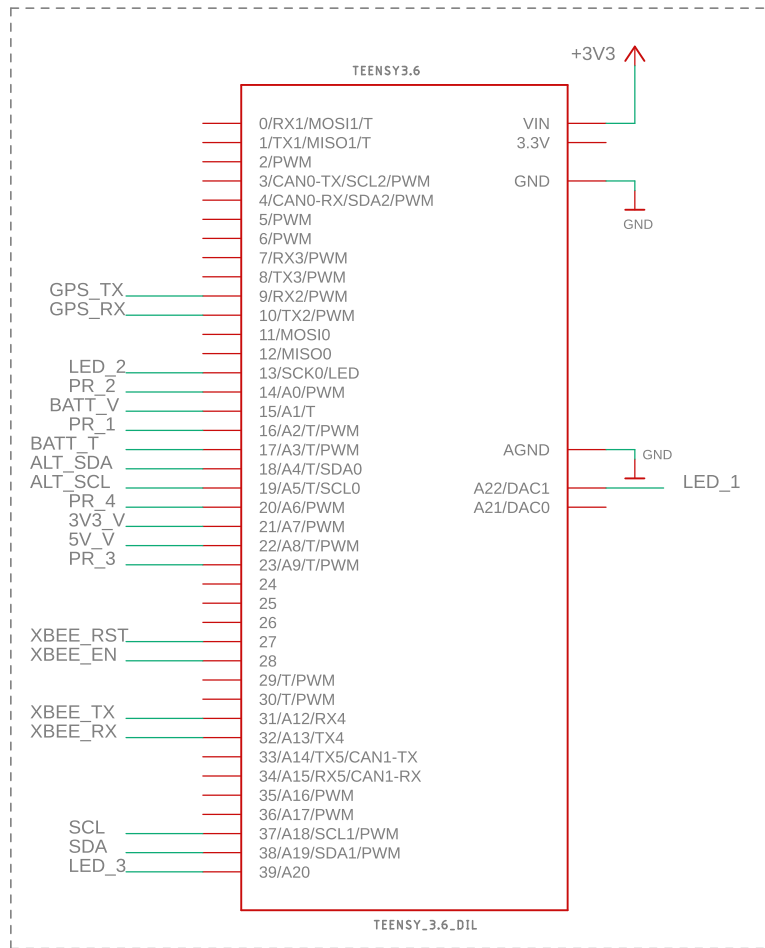


Main Control Unit

MCU



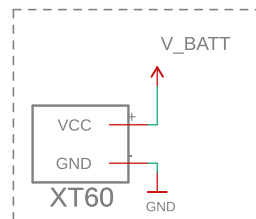
NOTES:

University of Pittsburgh SOAR
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NASA Student Launch

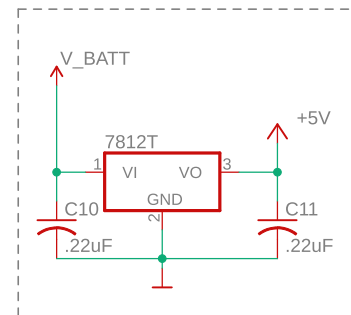
sca
10/27/2019 2:12 PM
Sheet: 1/4

Power

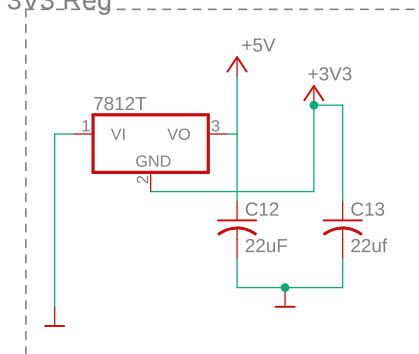
Lipo Connector



5V Reg



3V3 Reg

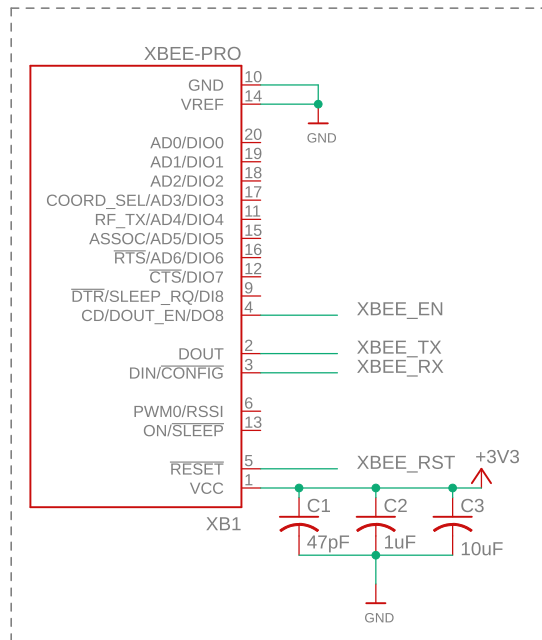


NOTES:

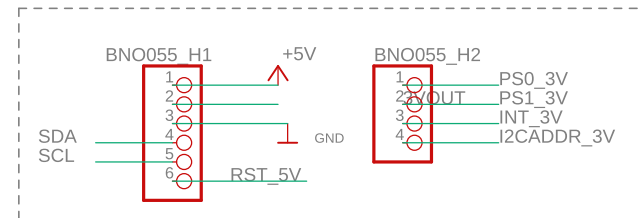
- 1) Place capacitors as close to regulator as possible

Digital Sensors

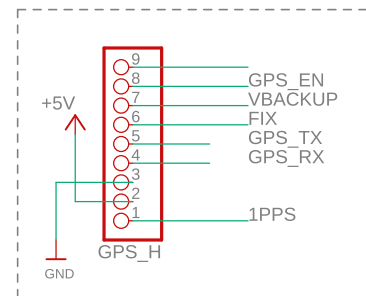
Xbee



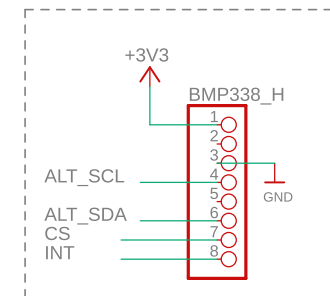
IMU



GPS



Altimeter

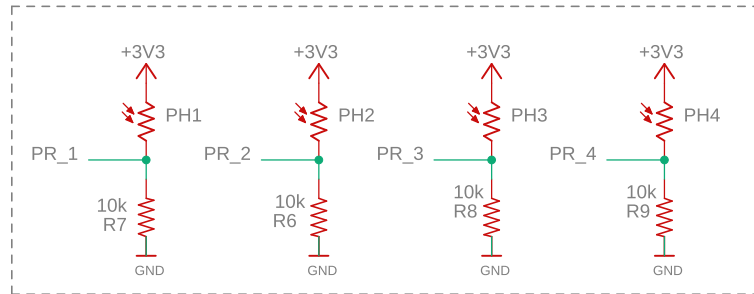


NOTES:

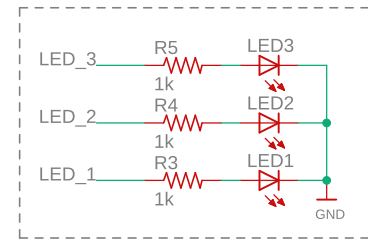
- 1) Place Xbee decoupling capacitors in order shown
- 2) Place capacitors as close to Xbee Vcc as possible

Analog Sensors

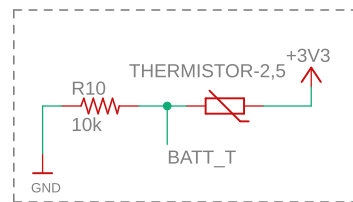
Photoresistors



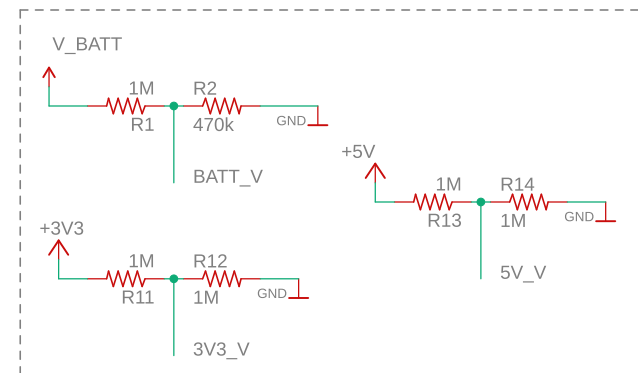
Indicator LEDs



Thermistor



Voltage



NOTES: