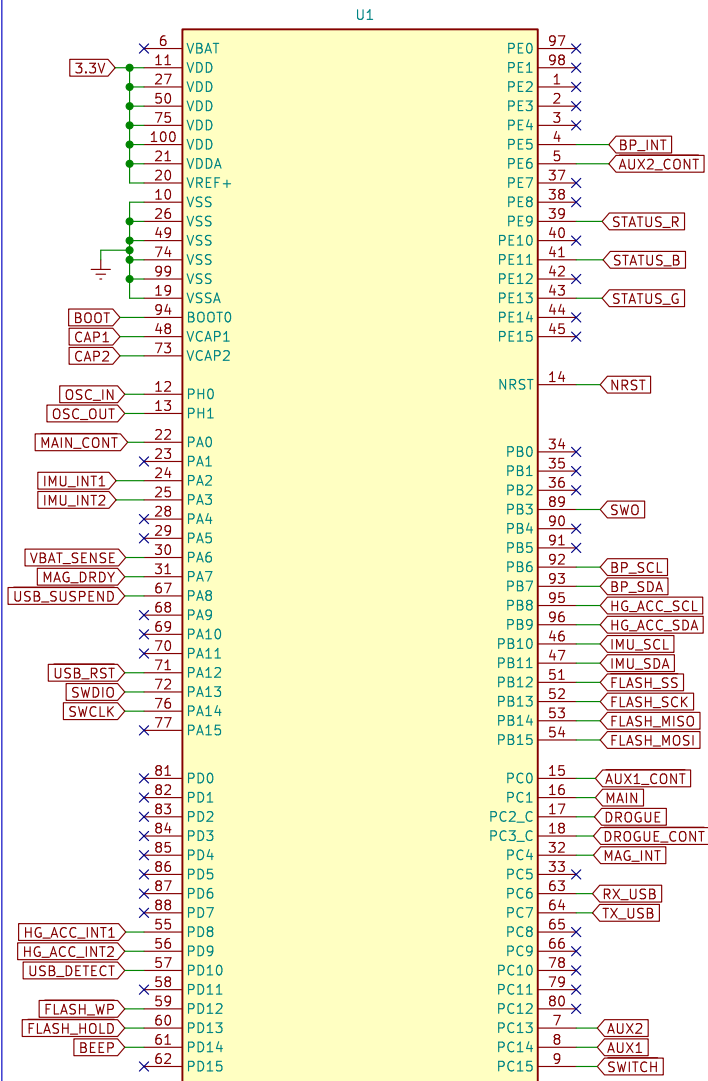
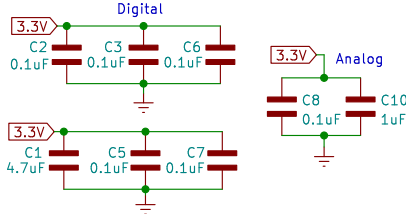


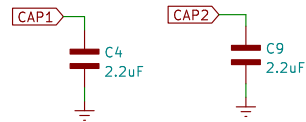
Microcontroller



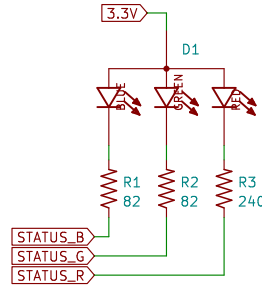
MCU Decoupling Caps



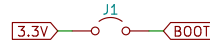
MCU Internal Regulator Caps



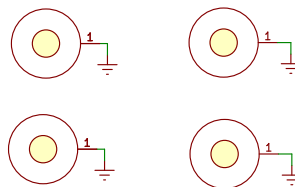
Firmware Status LED



Boot Setting



Mounting Holes



Peripherals

USB
Parachute Deployment
Staging

Flash
Buzzer

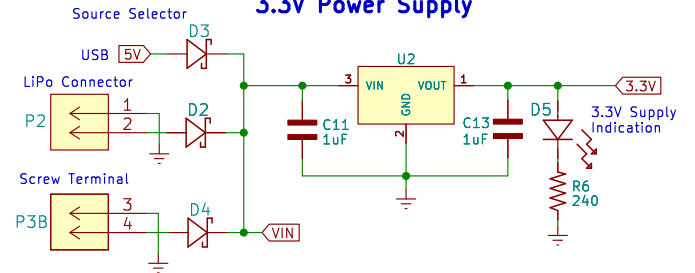
File: peripherals.kicad_sch

Sensors

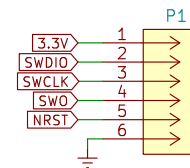
Pressure
IMU
Temperature
Magnetometer

File: sensors.kicad_sch

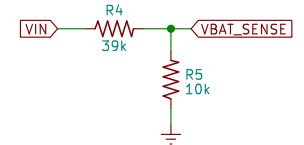
3.3V Power Supply



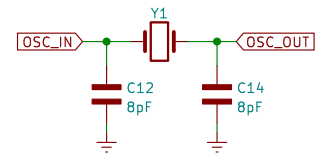
SWD Programmer



Battery Voltage Measurement



Crystal Oscillator



Author: Colton Acosta
Sun Devil Rocketry

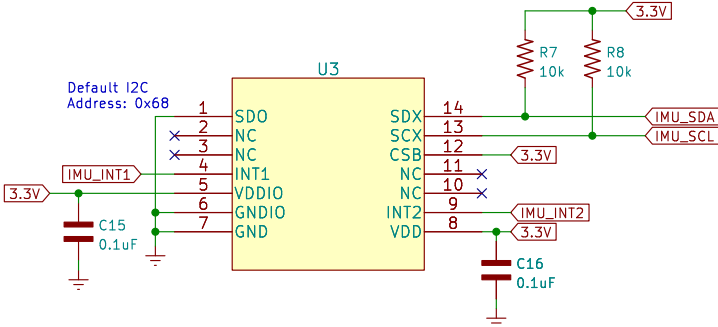
Sheet: /
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Title: Flight Computer

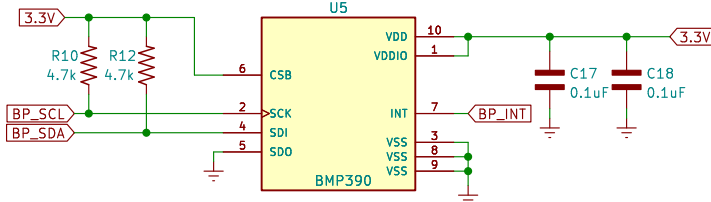
Size: A4 Date: 2022-05-30
KiCad E.D.A. kicad 7.0.1

Rev: 1.0
Id: 1/3

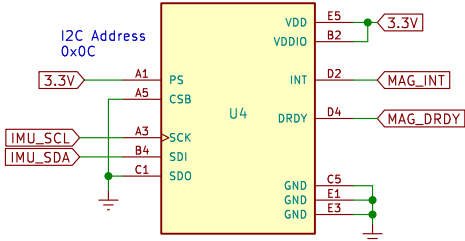
Inertial Measurement Unit



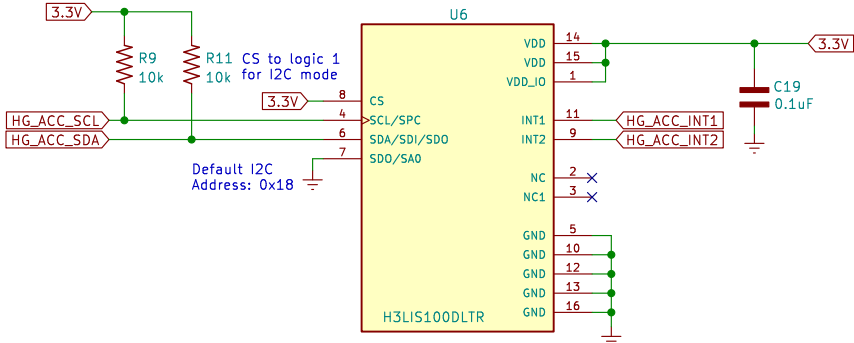
Barometric Pressure Sensor and Temperature Sensor



Magnetometer



High G Accelerometer



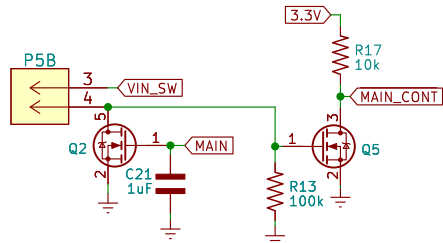
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File: sensors.kicad_sch

Title:

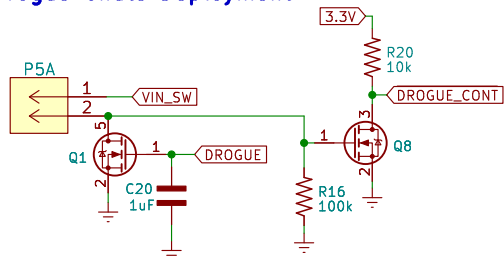
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KiCad E.D.A.	kiCad 7.0.1

Rev: 1.0
Id: 3/3

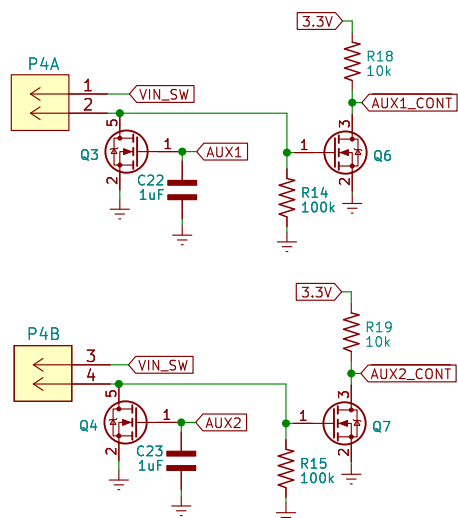
Main Chute Deployment



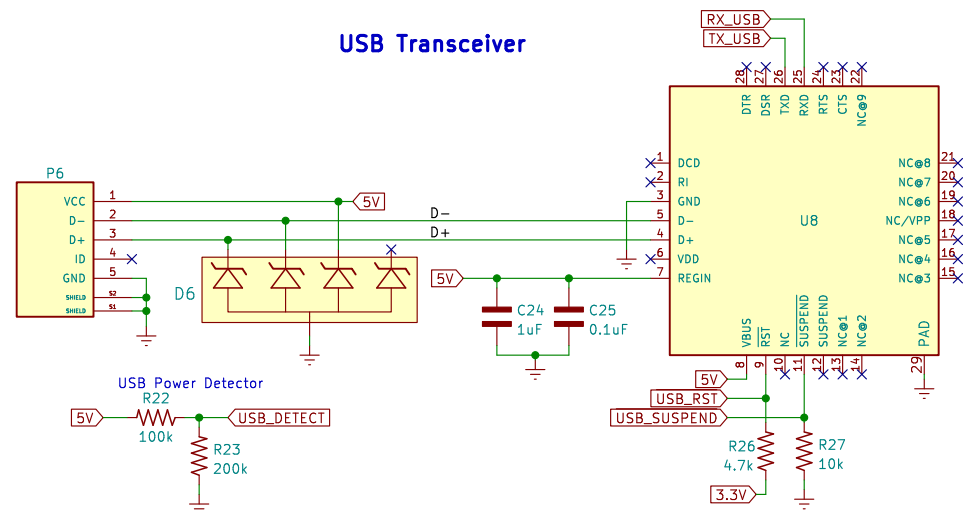
Drogue Chute Deployment



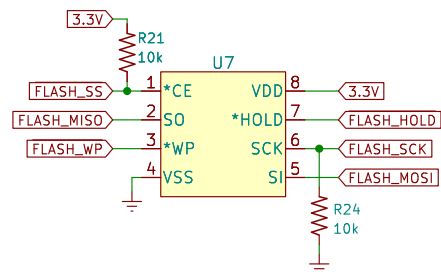
Auxiliary Ports



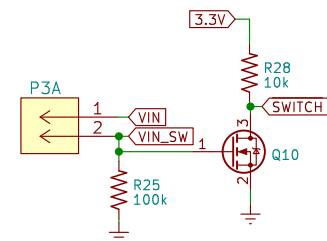
USB Transceiver



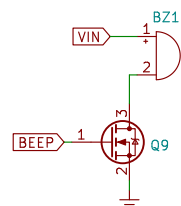
Flash



Arming Switch



Buzzer



Sheet: /Peripherals/
File: peripherals.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A.	kicad 7.0.1
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Rev:

Id: 4/3