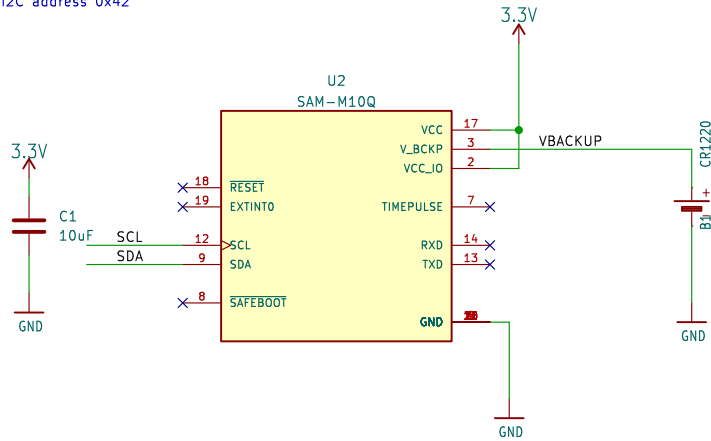
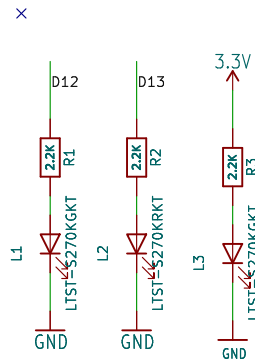


GPS RECEIVER

I2C address 0x42

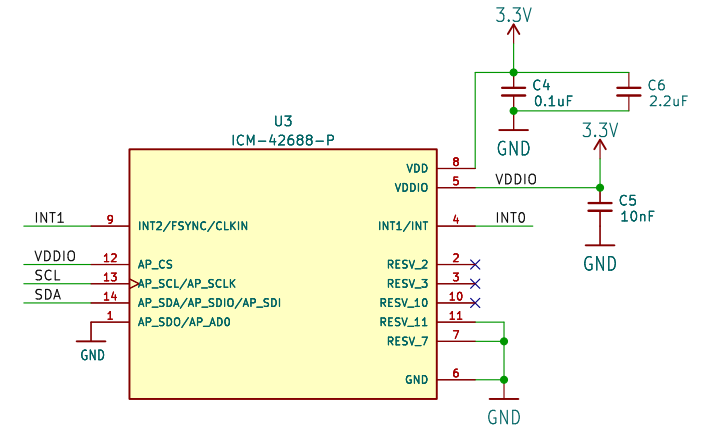


LEDS



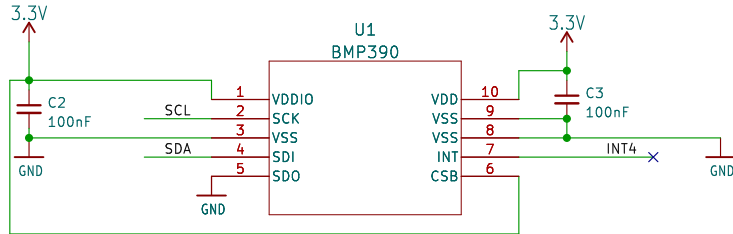
INERTIAL MEASUREMENT – 6-DOF

I2C address 0x68

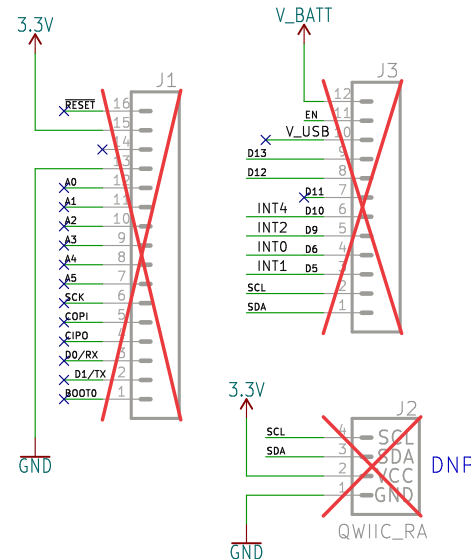


BAROMETRIC PRESSURE SENSOR

I2C address 0x77

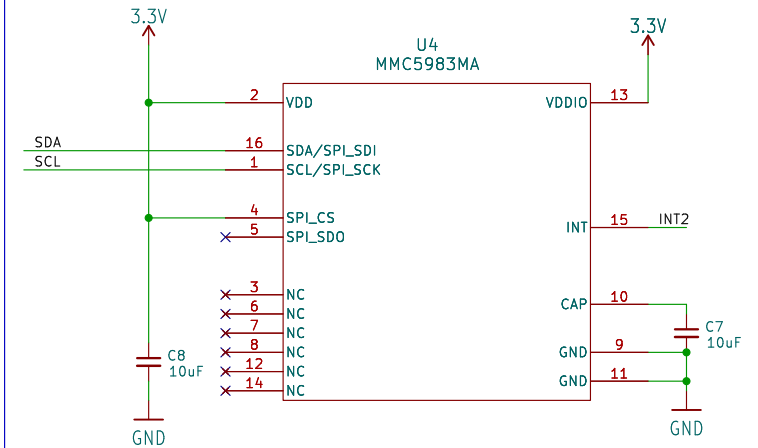


CONNECTORS



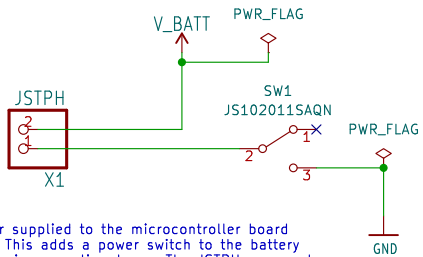
COMPASS – 3-DOF

I2C address 0x30



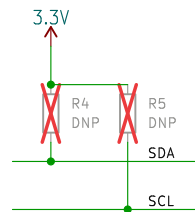
POWER

850mAh LiPoly Battery
3.7V 170mA discharge rate
LP303035 or equivalent



Power supplied to the microcontroller board here. This adds a power switch to the battery for easier operational use. The JSTPH connector on the microcontroller can be safely removed.

I2C PULLUPS



DNP for normal applications.
Pullups part of SAM-M10

CREDITS

Board layout based on the Sparkfun STM32 Thing Plus project code.
https://github.com/sparkfun/STM32_Thing_Plus



open hardware

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TITLE: peakick

Design by: Riley Rainey

REV:
V1

Date: 2023-12-19

Sheet: 1/1