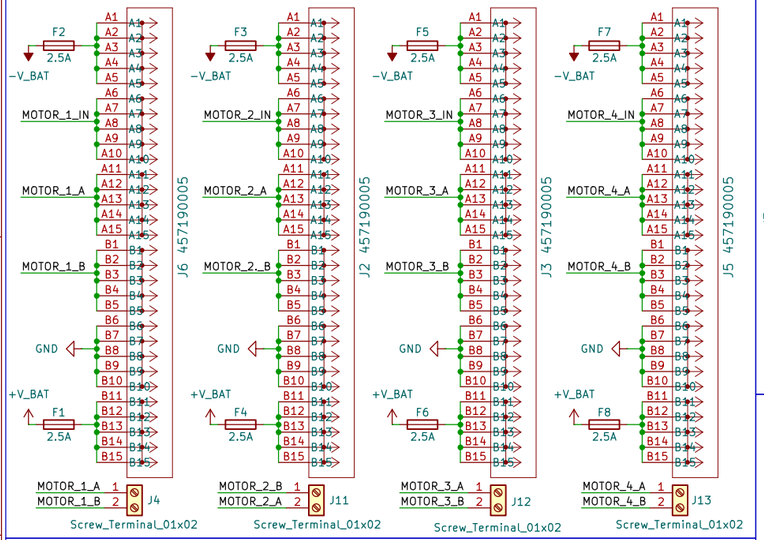
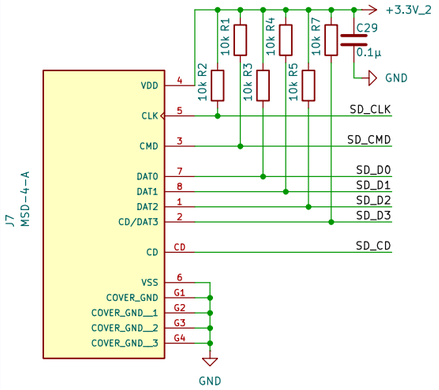
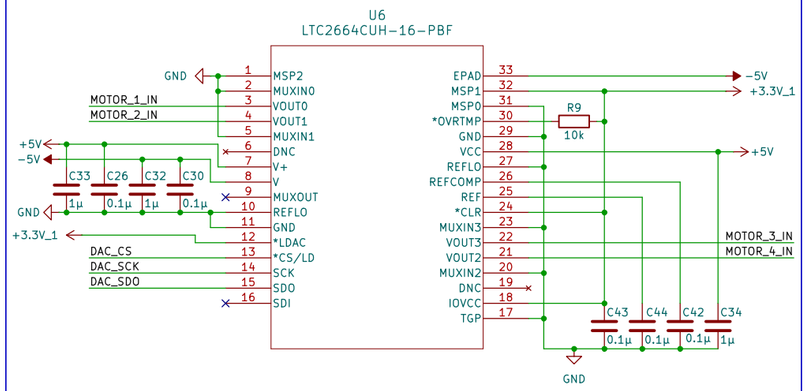
Motor Driver Card Slots And Motor terminals



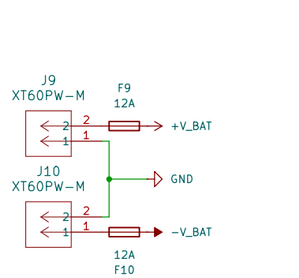
SD Card Slot



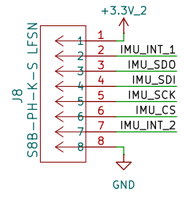
DAC – Motor Command



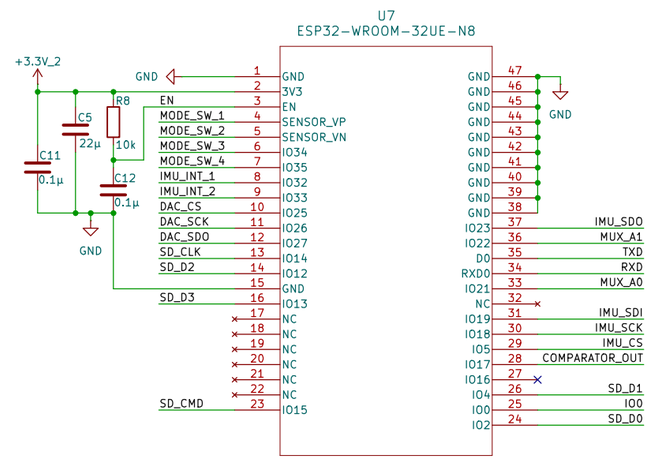
Battery In



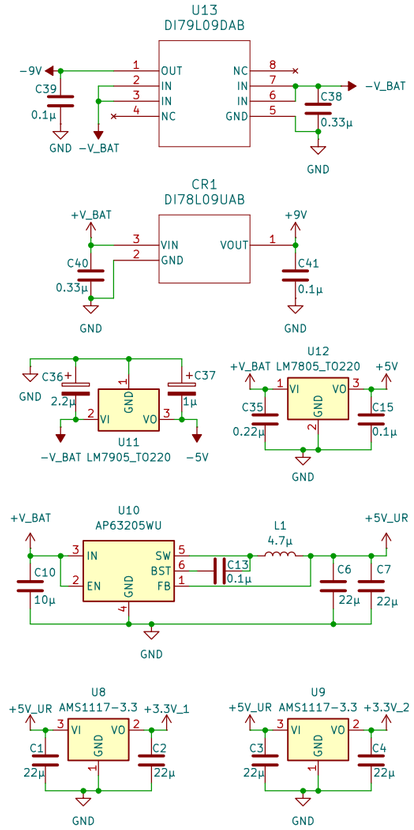
IMU Remote Daughterboard Header



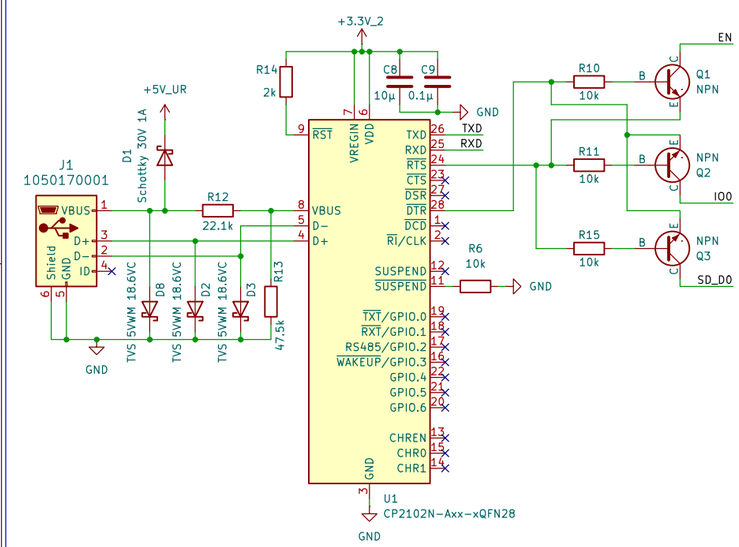
MCU



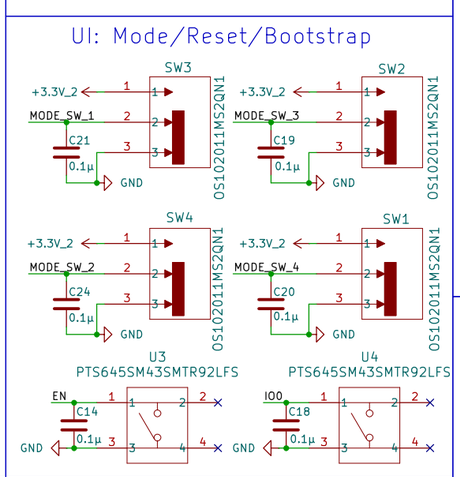
Voltage Step-Down/Regulation



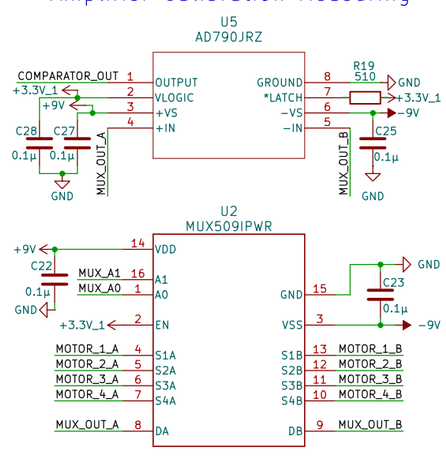
USB Interface And Bootstraping



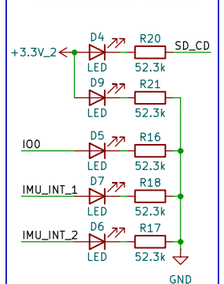
UI: Mode/Reset/Bootstrap



Amplifier Calibration Measuring



Indicator LEDs



NOTES:
1. All resistors measured in Ohms, tolerance of 5% or better unless noted otherwise.
2. All capacitors measured in Farads, tolerance of 10% or better unless noted otherwise.
3. All inductors measured in Henrys, tolerance of 15% or better unless noted otherwise.
4. Amplifier slots must be spaced minimum 1" apart.
5. Batteries attached to board must have external low voltage protection.
6. Fuses to be rated for current indicated and be fast blow type unless noted otherwise.
7. IMU mounted remotely for better positioning. PH08 pigtail required.

Project: ORC
Designer: Corbin Roennebeck
Weber State University
Sheet: /
File: Main Board.kicad_sch

Title: ORC Main Board

Size: B	Date: 2025-01-22	**Rev: IR**
KiCad E.D.A. 8.0.5		Id: 1/1