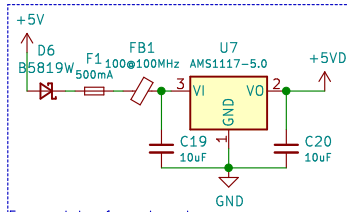
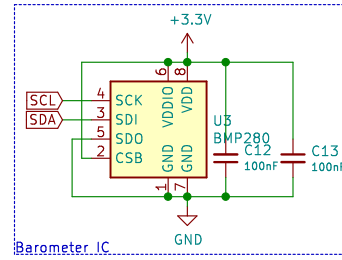
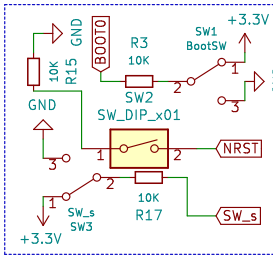


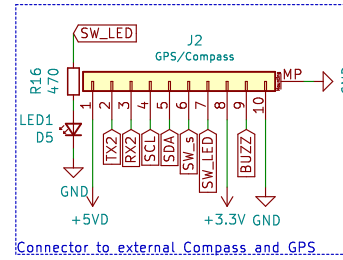
3.3v linear voltage regulator powers all ICs and smd components input from ESC 5v BEC 0603 caps



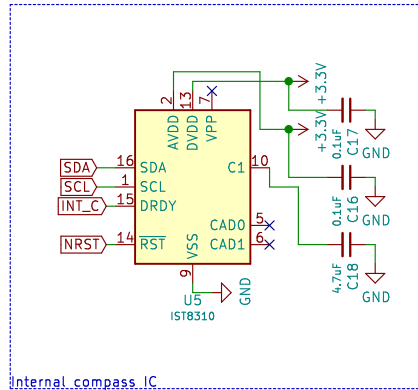
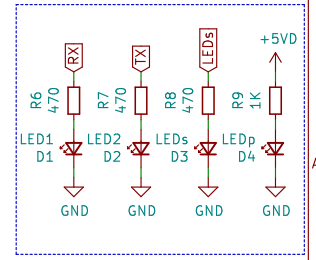
5v regulator for external GPS and Compass. Input from ESC 5v BEC 0603 C 0805 F1, D6, FB1



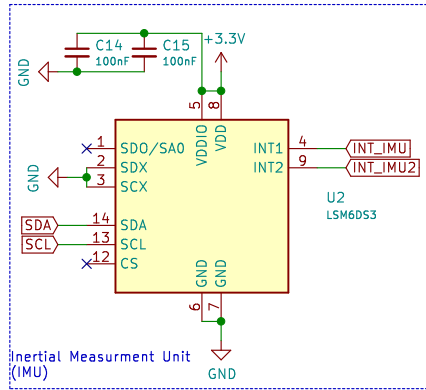
Barometer IC



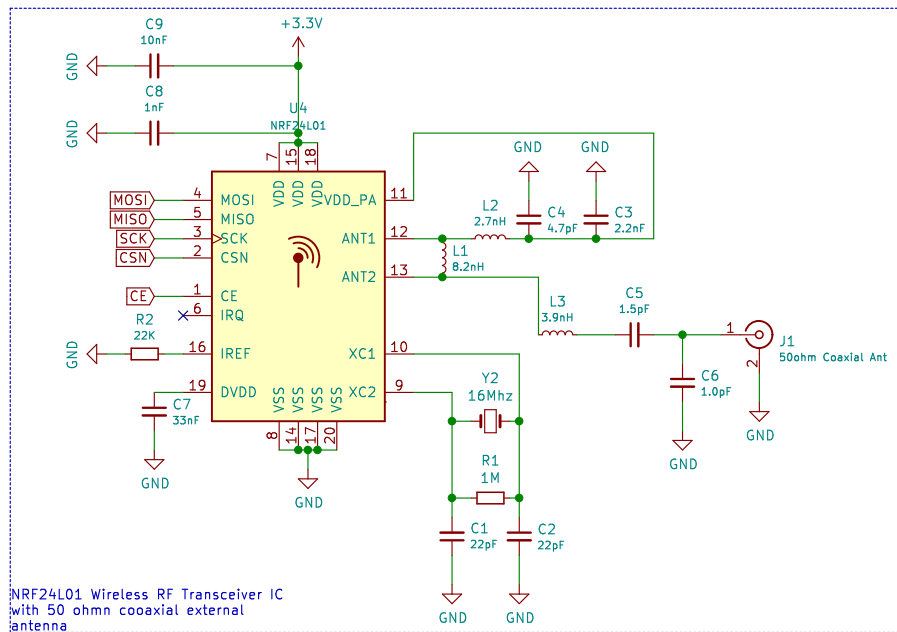
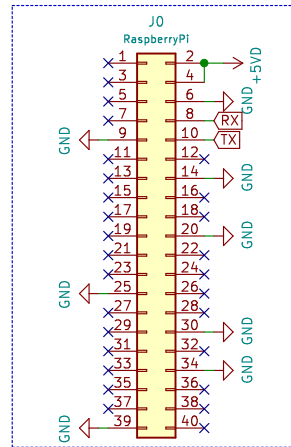
Connector to external Compass and GPS



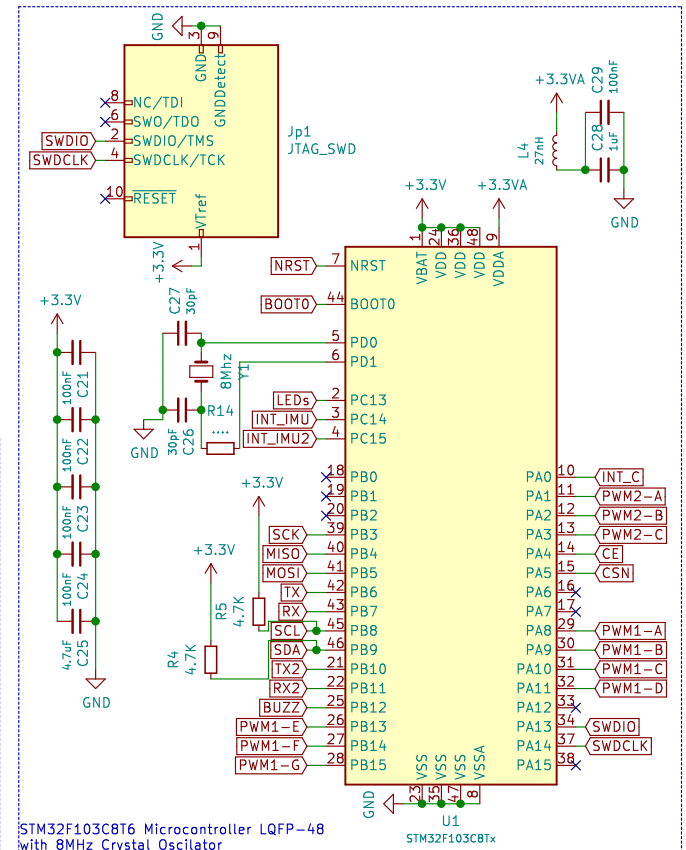
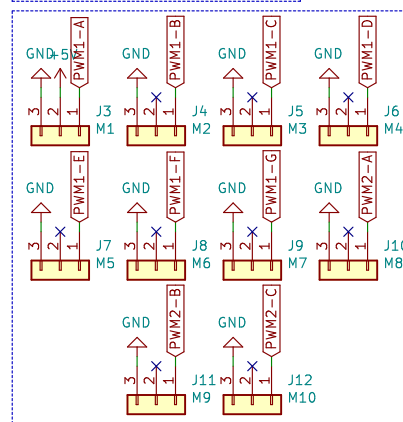
Internal compass IC



Inertial Measurement Unit (IMU)



NRF24L01 Wireless RF Transceiver IC with 50 ohm coaxial external antenna



STM32F103C8T6 Microcontroller LQFP-48 with 8MHz Crystal Oscillator



All passive smd components are 0402 unless otherwise stated

Full Stack Robotics

Sheet: /
File: Corinthians-Flight-Control-System.sch

Title: Corinthians Flight Control System

Size: A4
Date: 2020-10-21
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Rev: 1
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