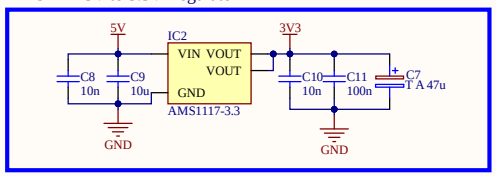
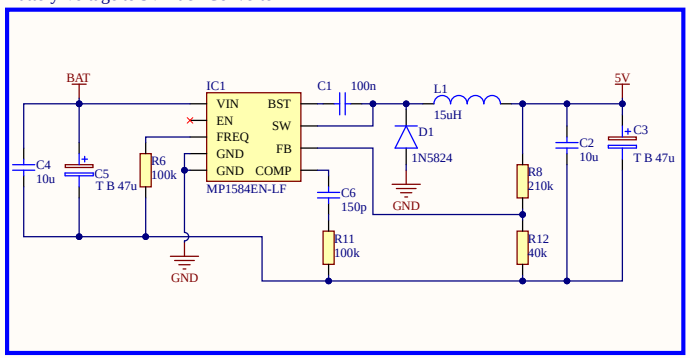
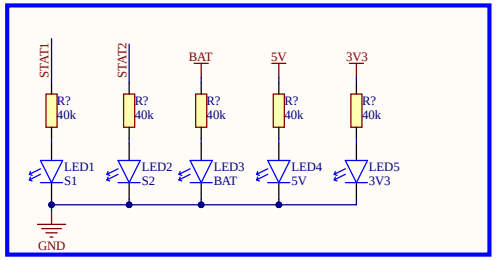
AMS1117 5V to 3.3V Regulator



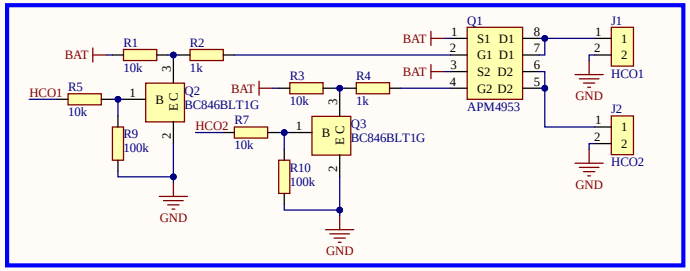
Battery Voltage to 5V Buck Converter



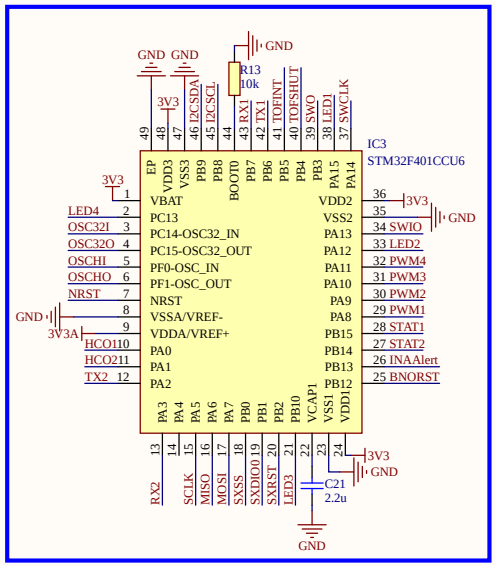
Status and Voltage LEDs



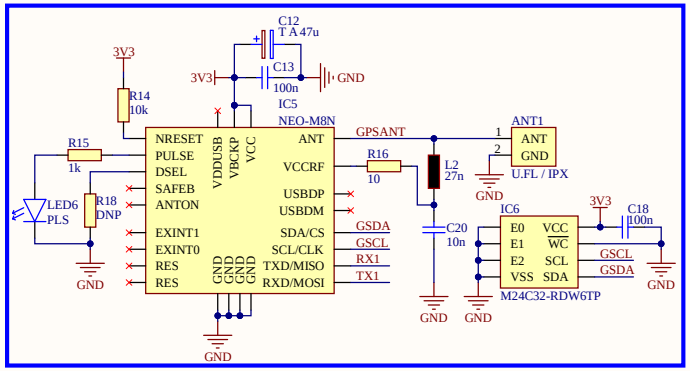
High Current PMOS Outputs



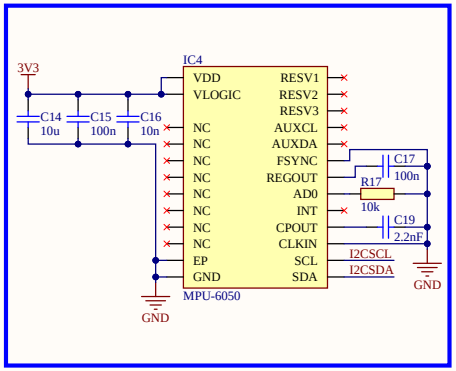
STM32F401CCU6 Main MCU



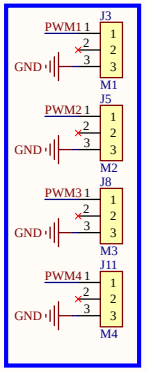
NEO-6/7/8 GPS Module



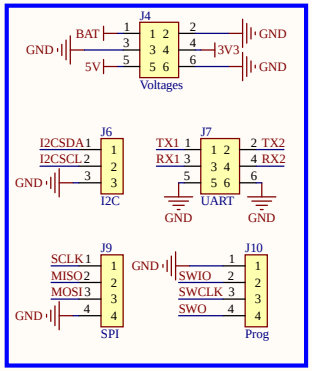
MPU 6050 Gyro for faster AngleVel readings



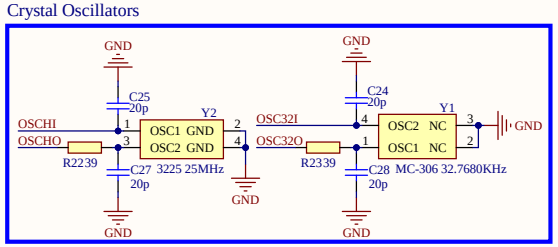
Motor Connectors



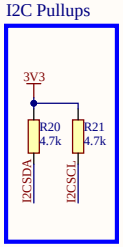
Testpoint Connectors



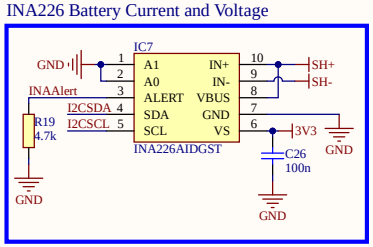
Crystal Oscillators



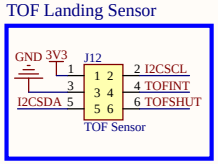
I2C Pullups



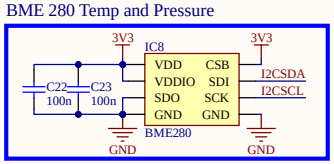
INA226 Battery Current and Voltage



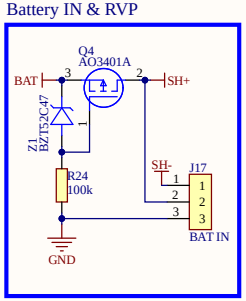
TOF Landing Sensor



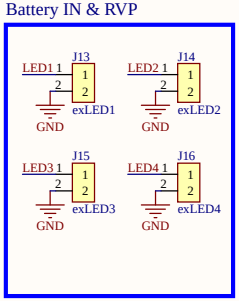
BME 280 Temp and Pressure



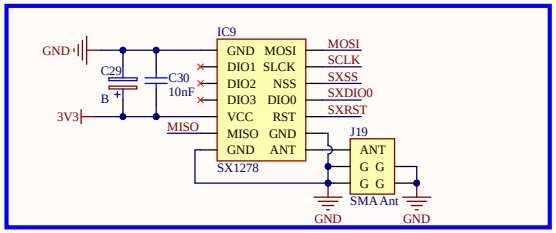
Battery IN & RVP



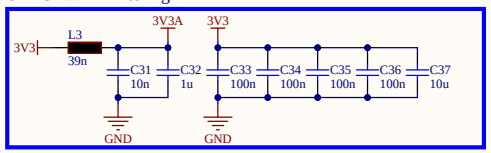
Battery IN & RVP



SX1278 LoRa RF Module



STM32 VDD Filtering



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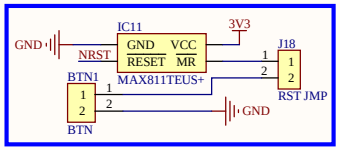
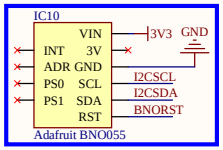


BNO055



TARS
FLIGHT CONTROL REV. B

Title: TARS - Quadcopter Flightcontroller V2		
Size: A3	Number: Main Controller	Revision: REV. A
Date: 12.18.2022		Sheet 1of 1
File: F:\GITHUB\..\Schematic.SchDoc		Drawn By: Fynn Raddatz