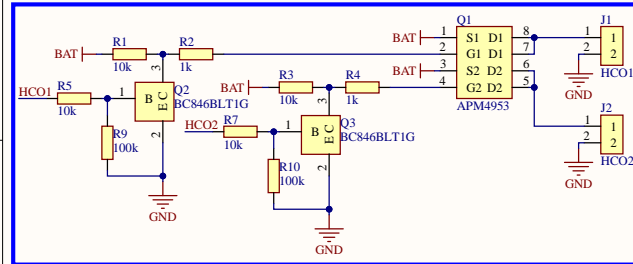
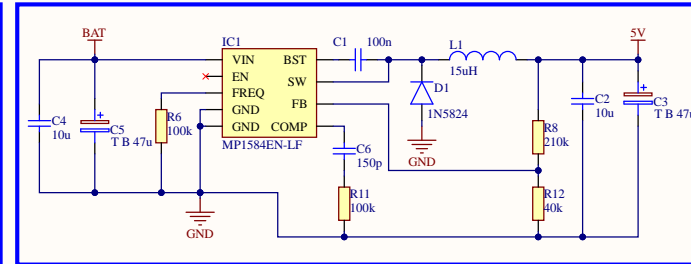


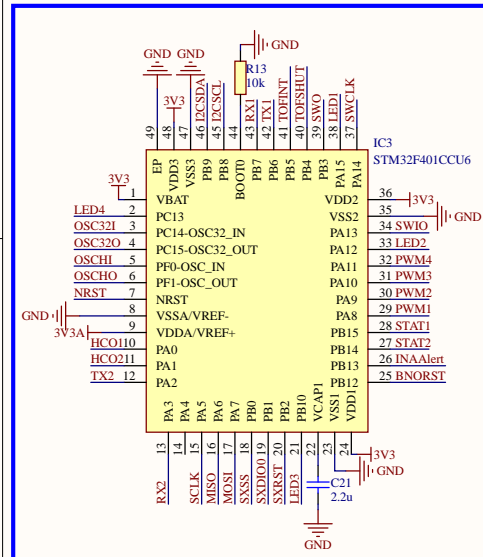
High Current PMOS Outputs



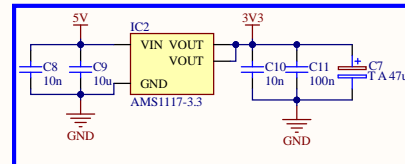
Battery Voltage to 5V Buck Converter



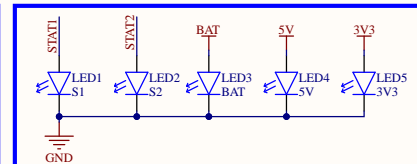
STM32F401CCU6 Main MCU



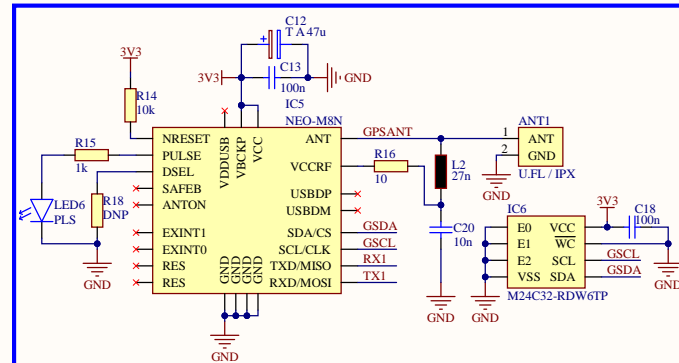
AMS1117 5V to 3.3V Regulator



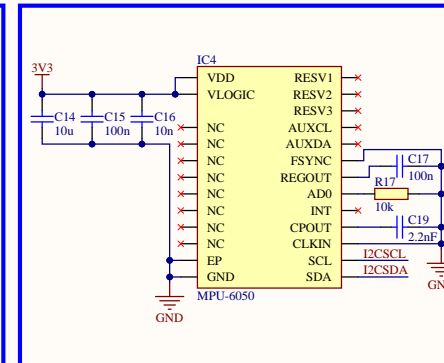
Status and Voltage LEDs



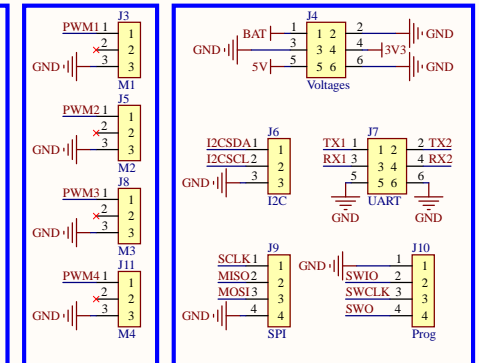
NEO-6/7/8 GPS Module



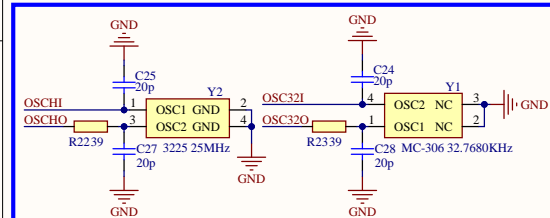
MPU 6050 Gyro for faster AngleVel readings



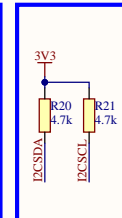
Motor Connectors



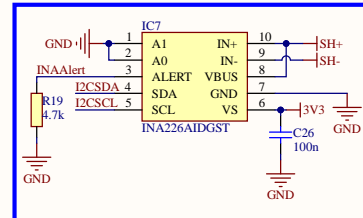
Crystal Oscillators



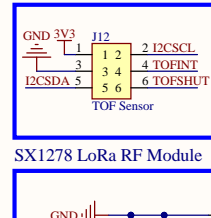
I2C Pullups



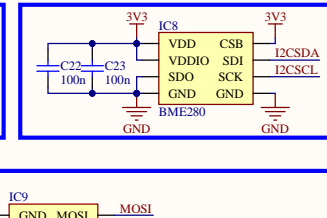
INA226 Battery Current and Voltage



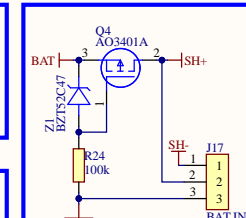
TOF Landing Sensor



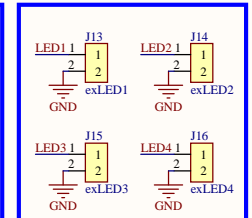
BME 280 Temp and Pressure



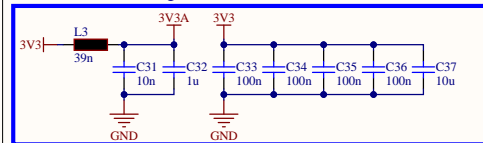
Battery IN & RVP



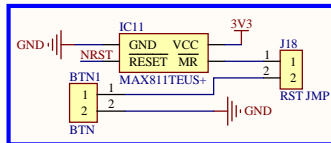
Battery IN & RVP



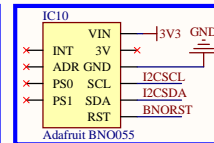
STM32 VDD Filtering



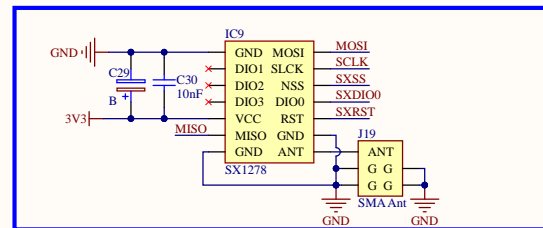
POR



BNO055



SX1278 LoRa RF Module



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