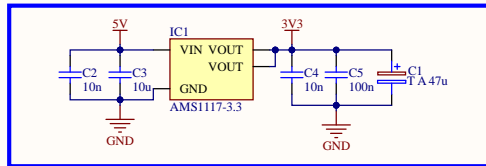
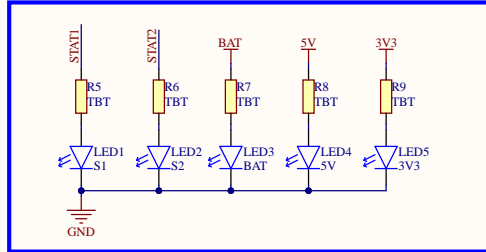


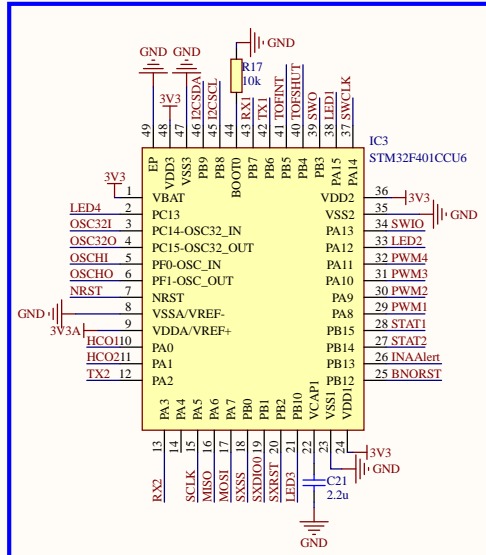
AMS1117 5V to 3.3V Regulator



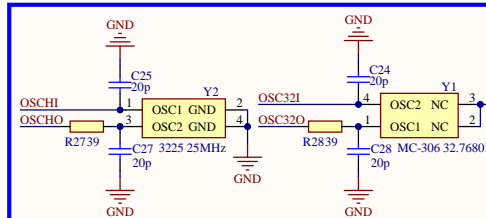
Status and Voltage LEDs



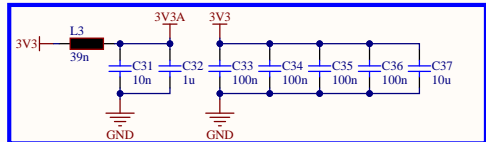
STM32F401CCU6 Main MCU



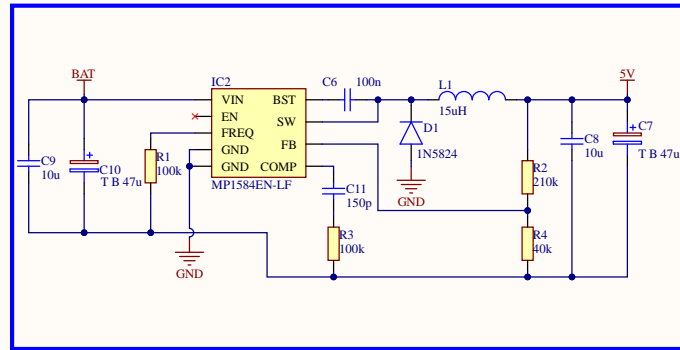
Crystal Oscillators



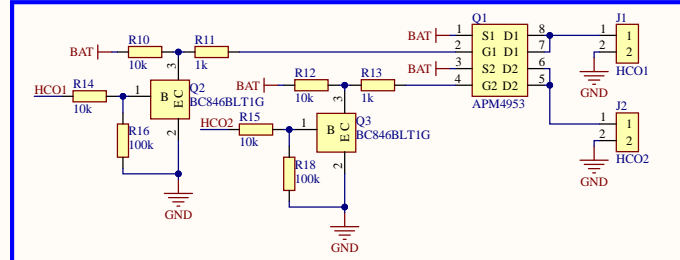
STM32 VDD Filtering



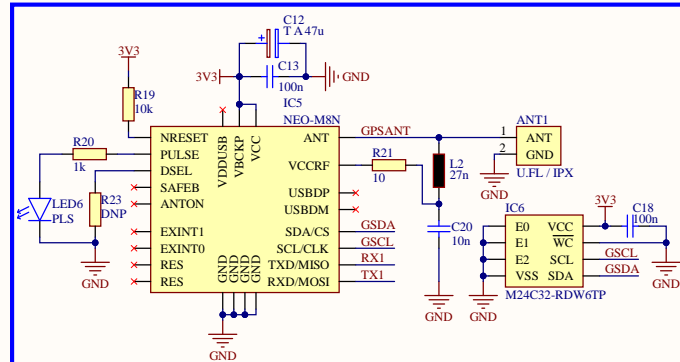
Battery Voltage to 5V Buck Converter



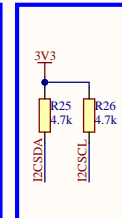
High Current PMOS Outputs



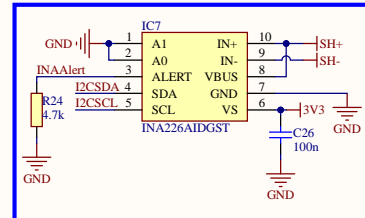
NEO-6/7/8 GPS Module



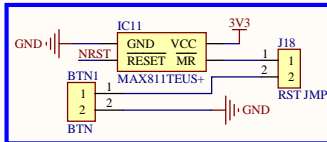
I2C Pullups



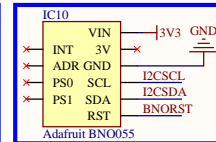
INA226 Battery Current and Voltage



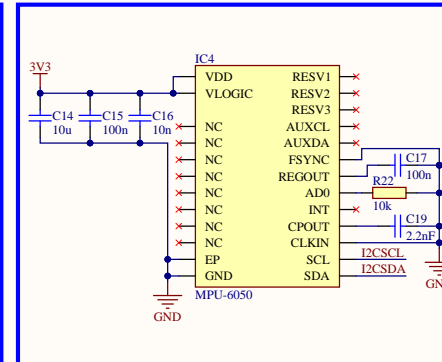
POR



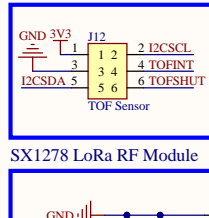
BNO055



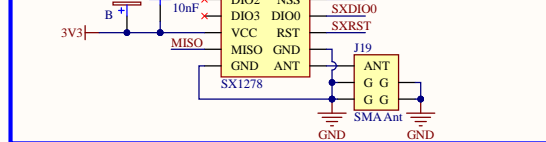
MPU 6050 Gyro for faster AngleVel readings



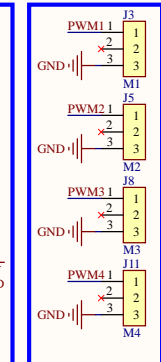
TOF Landing Sensor



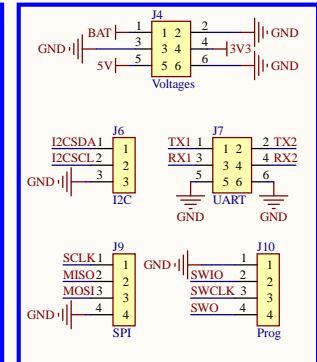
SX1278 LoRa RF Module



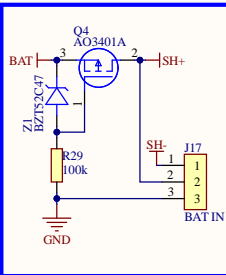
Motor Connectors



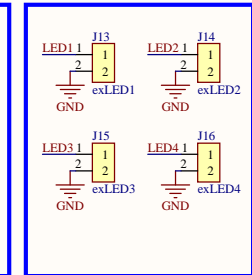
Testpoint Connectors



Battery IN & RVP



Battery IN & RVP



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