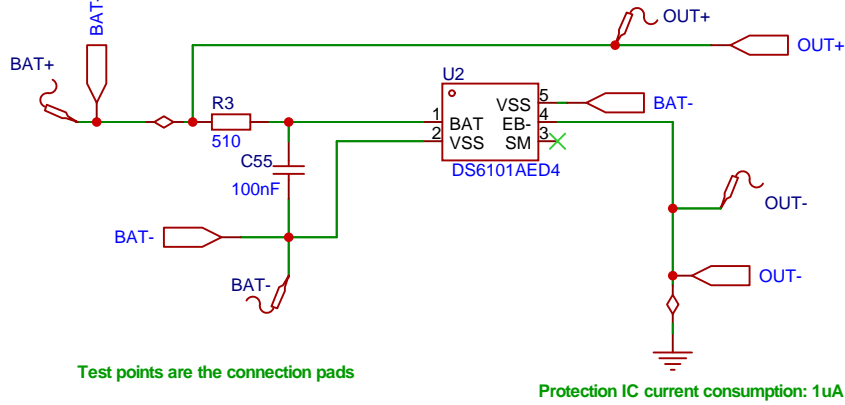


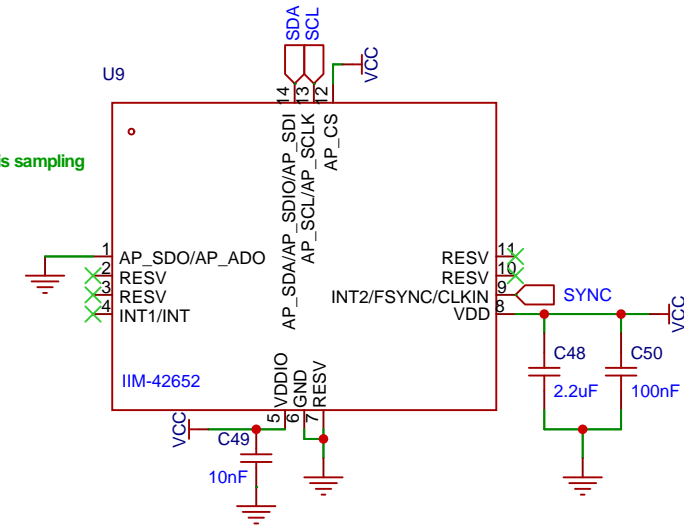
Battery protection



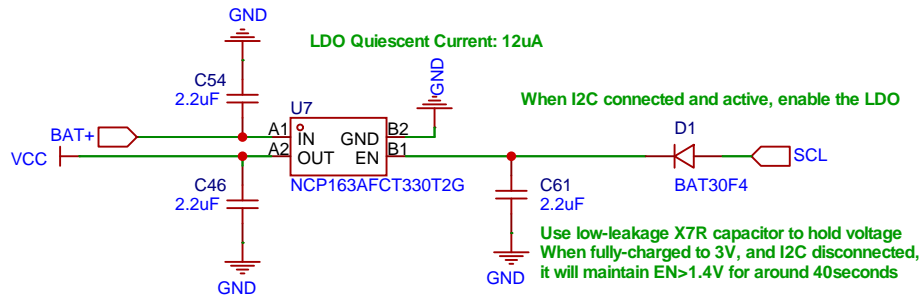
6-axis IMU

Connect on I2C to save I/Os
Pin 1 connection determines
I2C slave address LSB 1 or 0

IMU power rating:
0.67mA/1.8V when running 6-axis sampling
7.5uA/1.8V when sleep mode



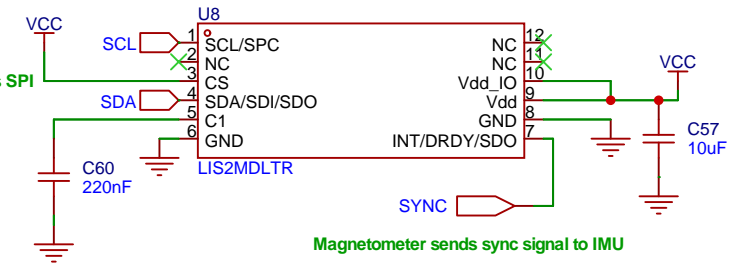
LDO voltage regulator for IMU + MAG



MAG power rating:
0.46mA/2.5V when sample at 100Hz,
low-pass enabled, low-power mode.
1.5uA/2.5V when power-down

CS HIGH enables I2C and disables SPI

Magnetometer



原理图	OptoGrid_Battery_V0.05		更新日期	2025-09-04
图页	Power and sensors		创建日期	2025-07-05
绘制	Fukui (Daniel) Yang		物料编码	
审阅	OptoGrid_V0.05			
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