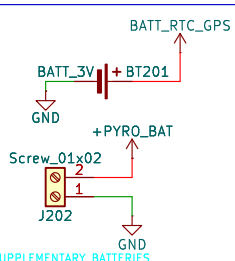
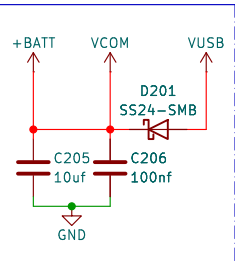
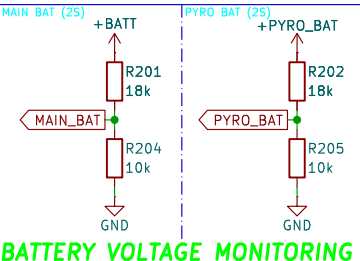


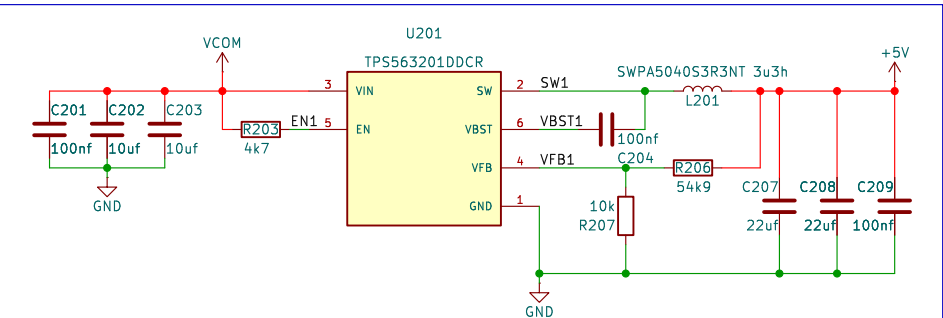
POWER INPUT



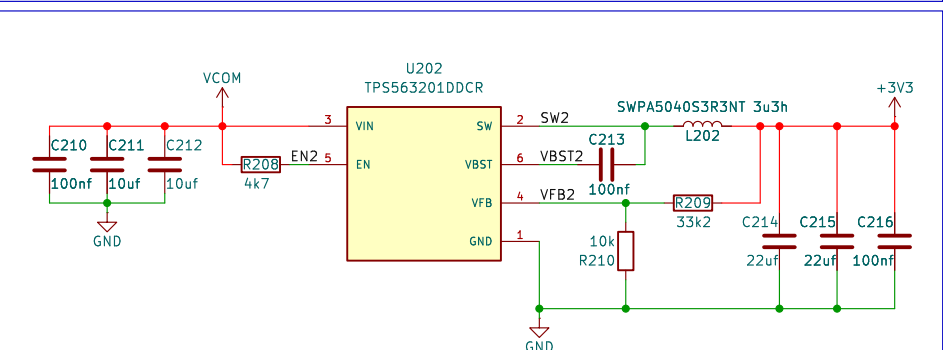
SUPPLEMENTARY BATTERIES



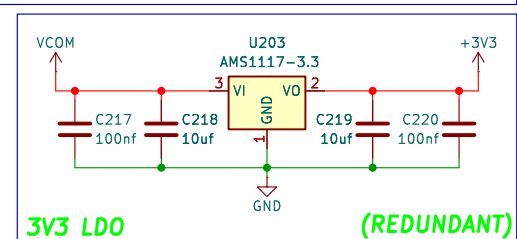
BATTERY VOLTAGE MONITORING



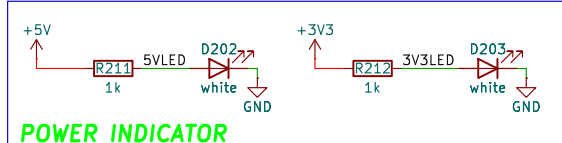
5V BUCK CONVERTER



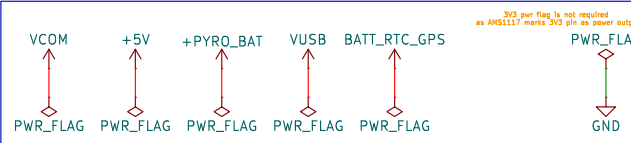
3V3 BUCK CONVERTER



3V3 LDO (REDUNDANT)

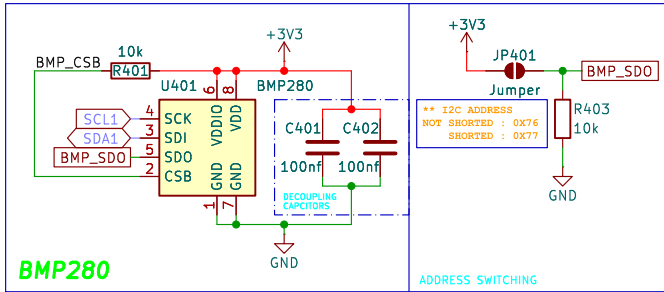


POWER INDICATOR



Sheet: /power/ File: power.kicad_sch		DRAWN BY: ARUDHRAN
Title: VECTRON-V1		
Size: A4	Date: 2025-06-13	Rev: 1.0.0
KiCad E.D.A. 9.0.2		Id: 2/6

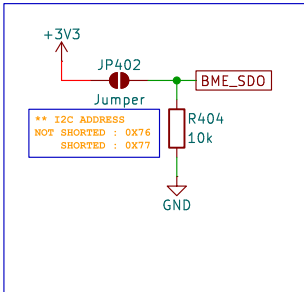




**BMP280**

The BMP80 or BME280 have same I2C address and address changing criteria  
111011X - 7bit address where X is 0 when SDO is connected to GND (1110110 - 0x76)  
1 when SDO is connected to 3V3 (1110111 - 0x77)

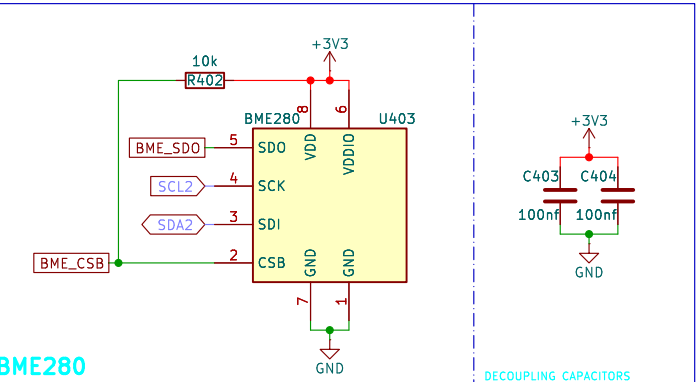
ADDRESS SWITCHING



**BMP280**

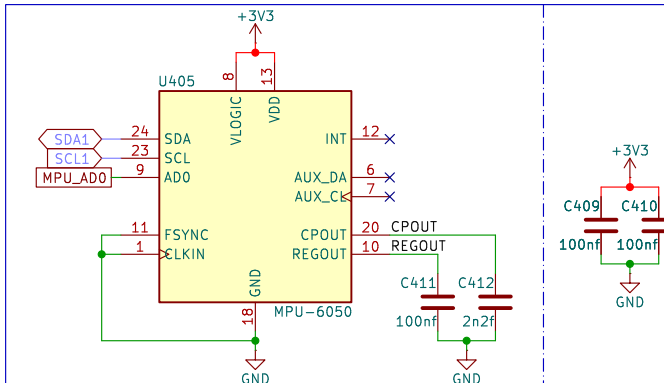
ADDRESS SWITCHING

**BMP280/BME280 (REDUNDANT)**



**BME280**

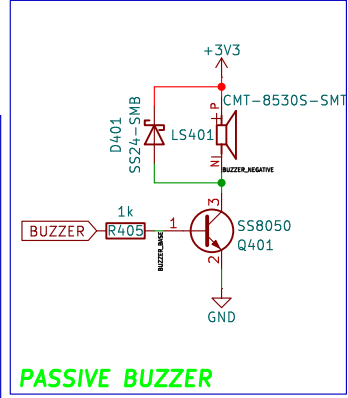
DECOUPLING CAPACITORS



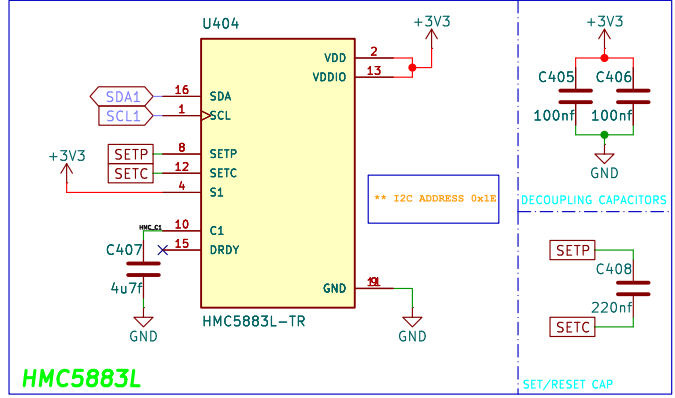
**MPU6050**

DECOUPLING CAPACITORS

ADDRESS SWITCHING



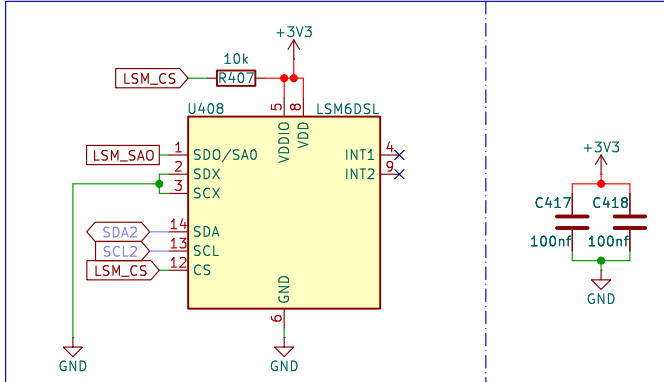
**PASSIVE BUZZER**



**HMC5883L**

DECOUPLING CAPACITORS

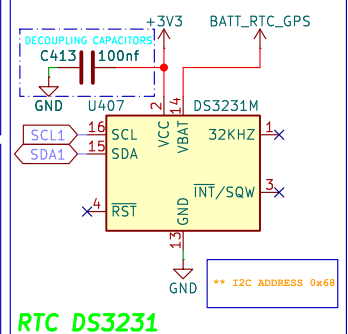
SET/RESET CAP



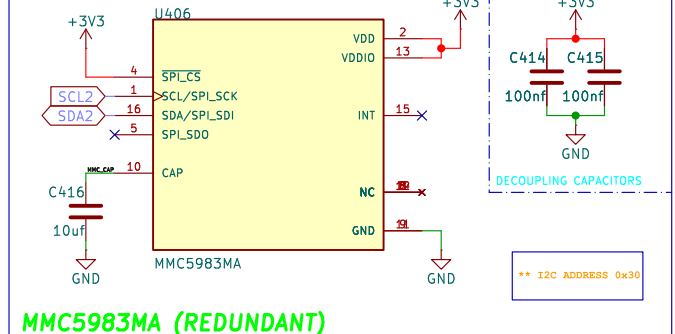
**LSM6DSL (REDUNDANT)**

DECOUPLING CAPACITORS

ADDRESS SWITCHING



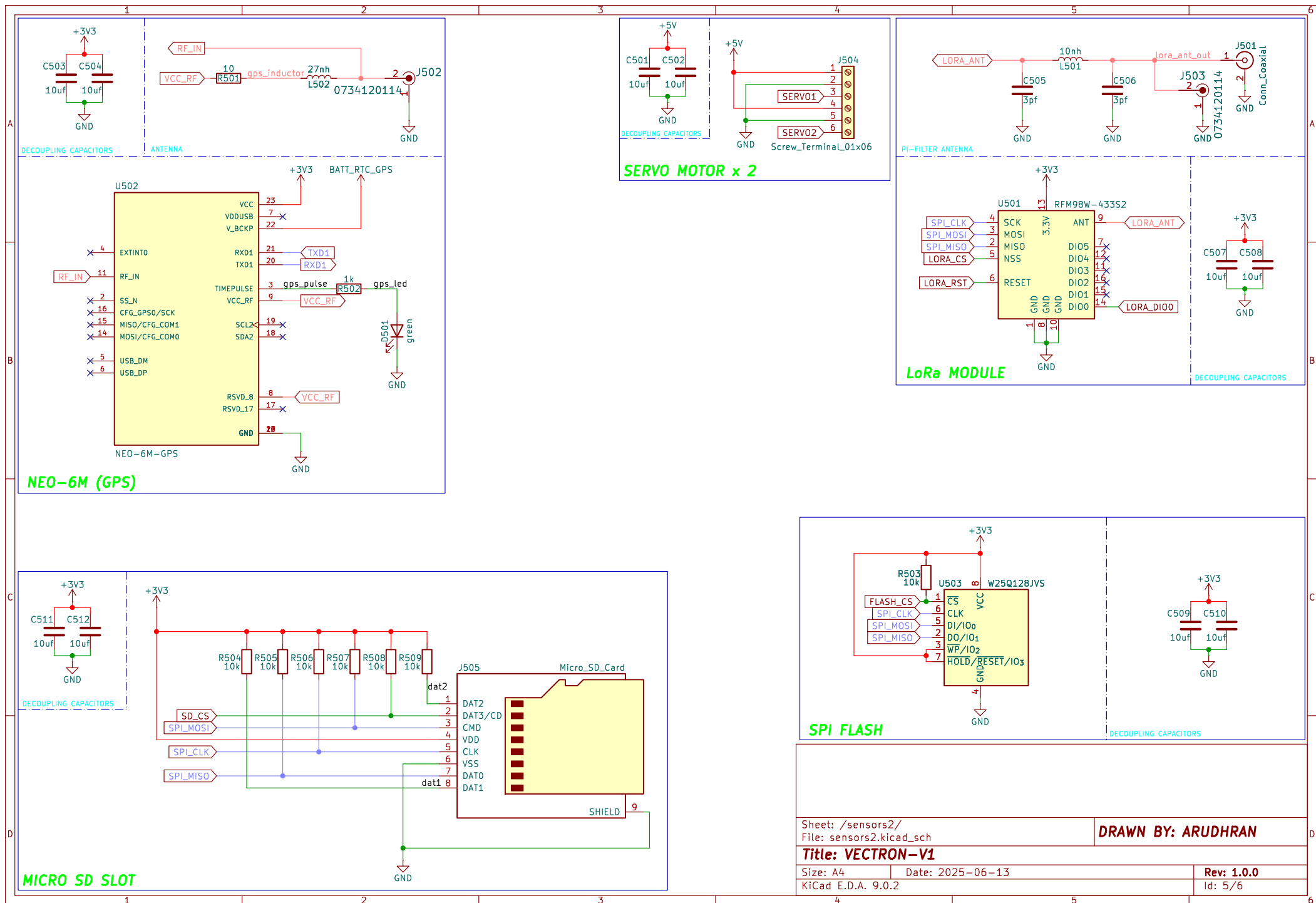
**RTC DS3231**

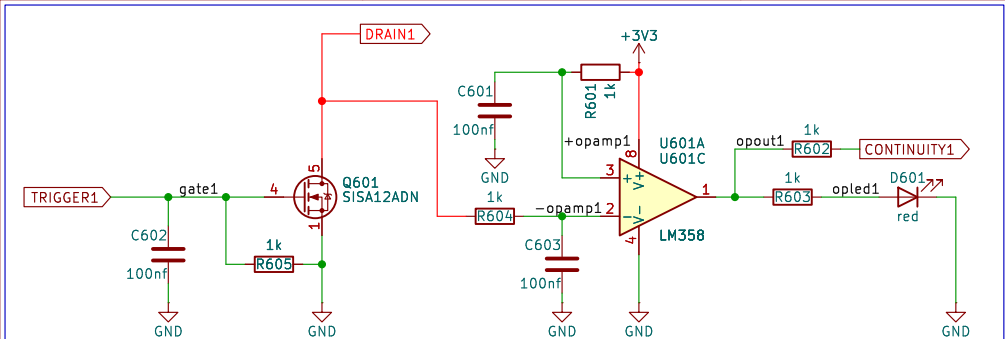


**MMC5983MA (REDUNDANT)**

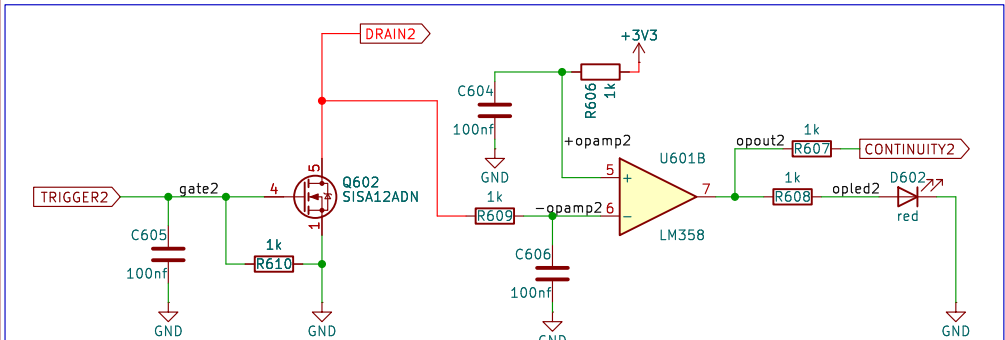
DECOUPLING CAPACITORS

\*\* I2C ADDRESS 0x30

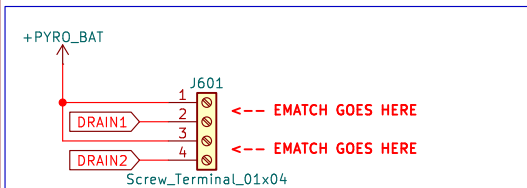




PYRO-1



PYRO-2



E-MATCH SCREW TERMINALS

Sheet: /pyro/ File: pyro.kicad_sch		DRAWN BY: ARUDHRAN
Title: VECTRON-V1		
Size: A4	Date: 2025-06-13	Rev: 1.0.0
KiCad E.D.A. 9.0.2		Id: 6/6