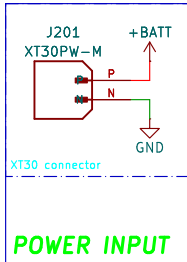
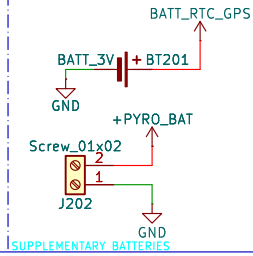
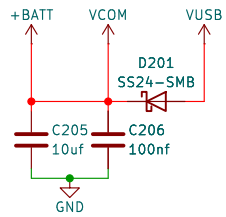


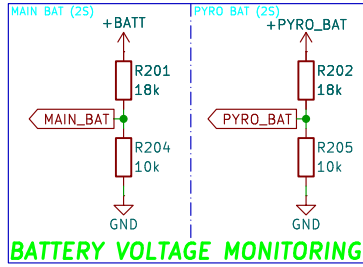
Sheet: / File: vectron.kicad_sch		<b>DRAWN BY: ARUDHRAN</b>
<b>Title: VECTRON-V1</b>		
Size: A4 KiCad E.D.A. 9.0.3	Date: 2025-06-13	Rev: 1.0.0 Id: 1/6



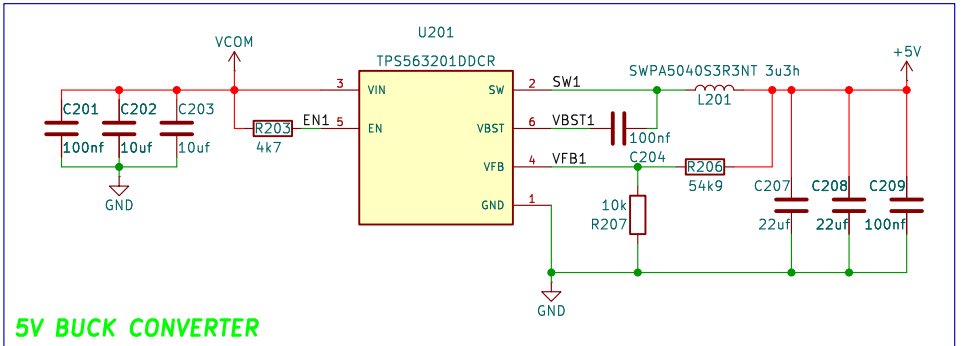
POWER INPUT



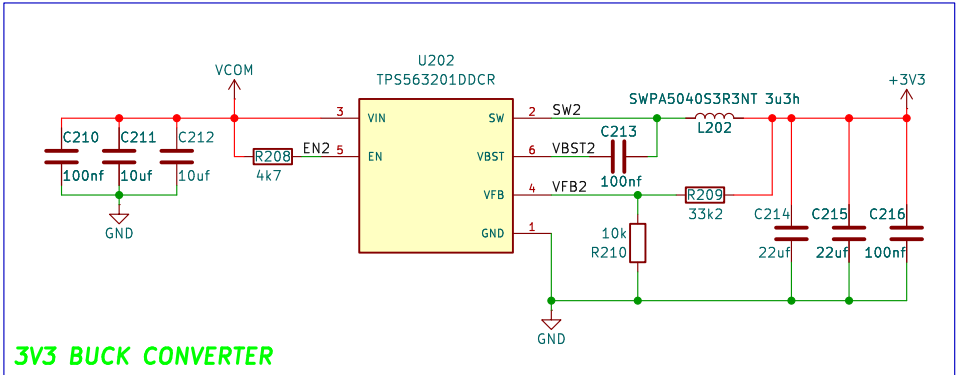
SUPPLEMENTARY BATTERIES



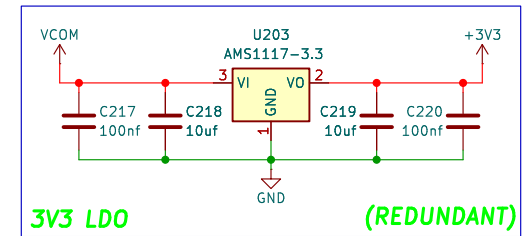
BATTERY VOLTAGE MONITORING



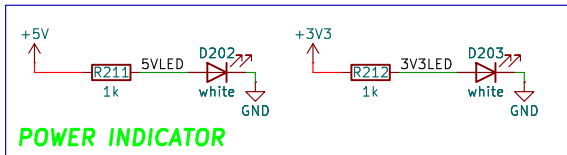
5V BUCK CONVERTER



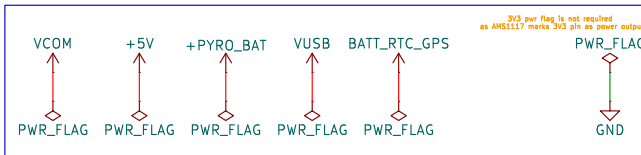
3V3 BUCK CONVERTER



3V3 LDO (REDUNDANT)

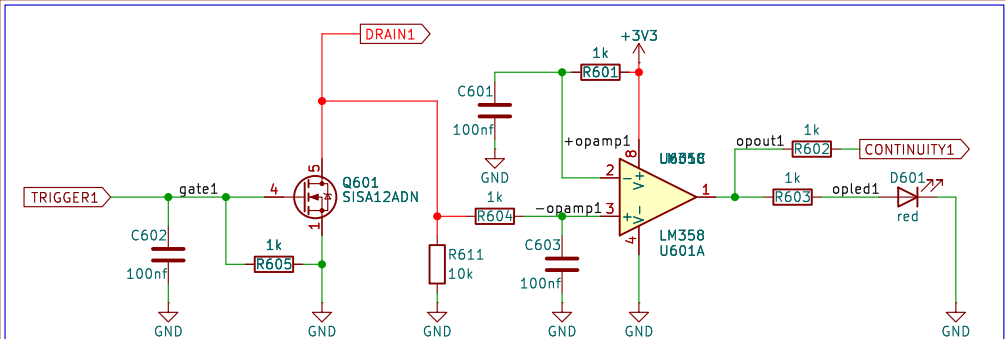


POWER INDICATOR

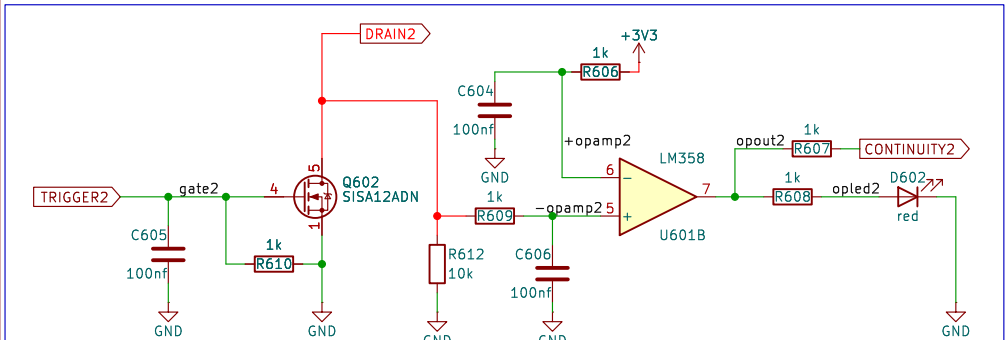


3V3 pwr flag is not required as AMS1117 marks 3V3 pin as power output

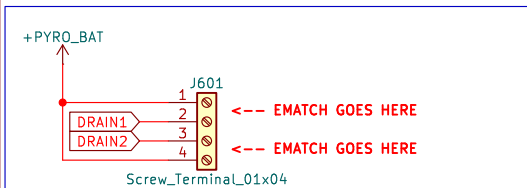
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<b>Title: VECTRON-V1</b>	
Size: A4 KiCad E.D.A. 9.0.3	Date: 2025-06-13 Rev: 1.0.0 Id: 2/6



PYRO-1



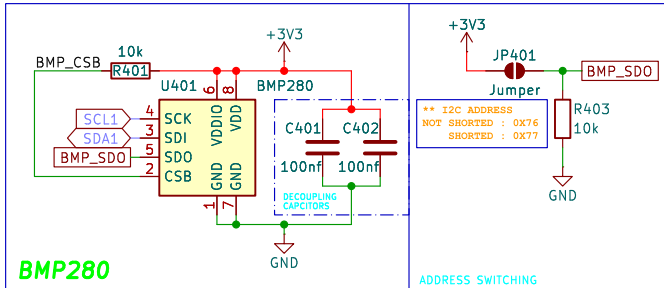
PYRO-2



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. 9.0.3		Id: 6/6

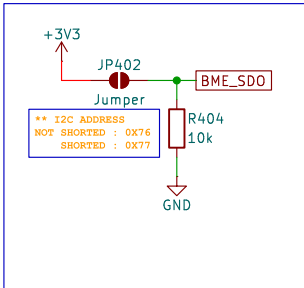




**BMP280**

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)

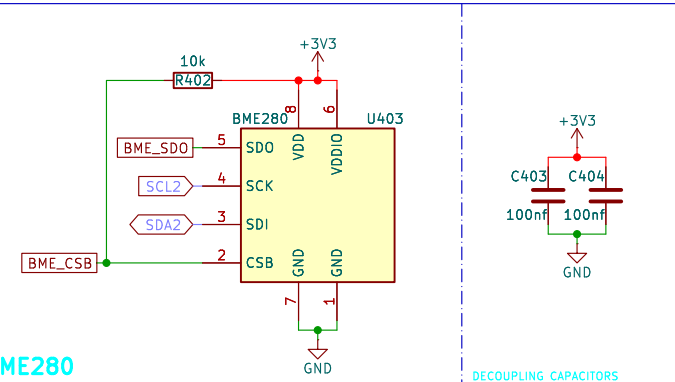
ADDRESS SWITCHING



**BMP280**

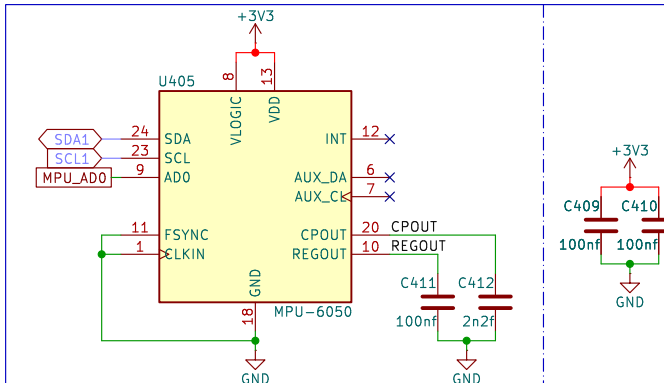
ADDRESS SWITCHING

**BMP280/BME280 (REDUNDANT)**



**BME280**

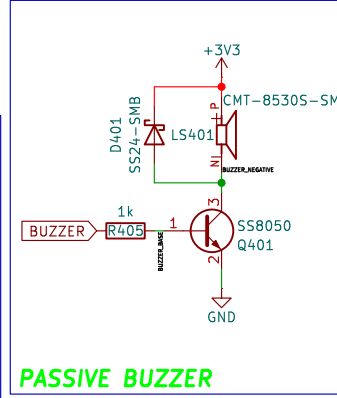
DECOUPLING CAPACITORS



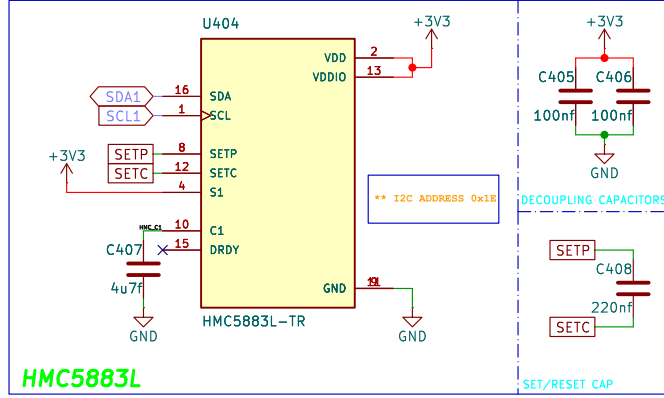
**MPU6050**

DECOUPLING CAPACITORS

ADDRESS SWITCHING



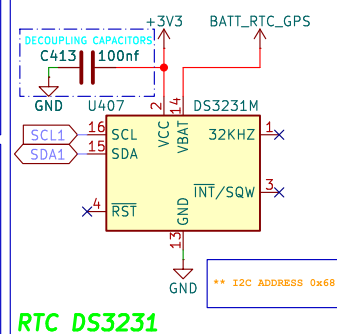
**PASSIVE BUZZER**



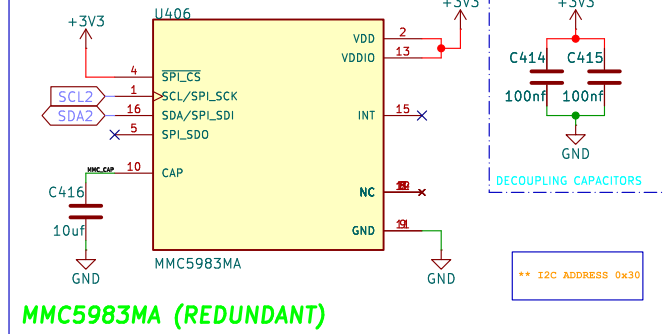
**HMC5883L**

DECOUPLING CAPACITORS

SET/RESET CAP



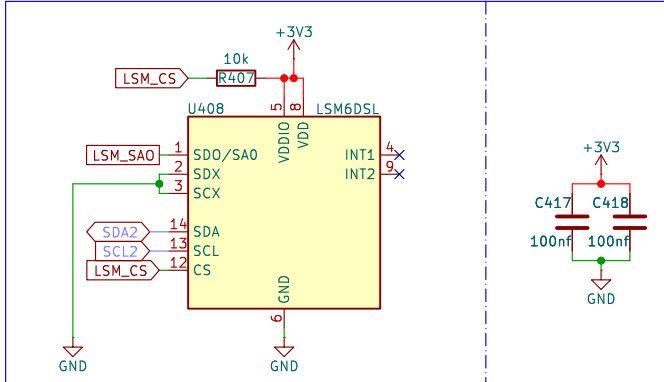
**RTC DS3231**



**MMC5983MA (REDUNDANT)**

DECOUPLING CAPACITORS

\*\* I2C ADDRESS 0x30



**LSM6DSL (REDUNDANT)**

DECOUPLING CAPACITORS

ADDRESS SWITCHING

