

1

2

3

4

5

6

A

B

C

D

power

ESP32

sensors2

pyro

sensors1

H101
MountingHole_Pad

H102
MountingHole_Pad

H103
MountingHole_Pad

H104
MountingHole_Pad

GND

File: power.kicad_sch

File: ESP32.kicad_sch

File: sensors2.kicad_sch

File: pyro.kicad_sch

File: sensors1.kicad_sch

Drawn by :- Arudhran

Sheet: /

File: vectron.kicad_sch

Title: VECTRON

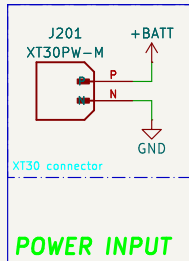
Size: A4

Date: 2025-06-10

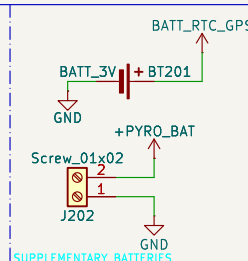
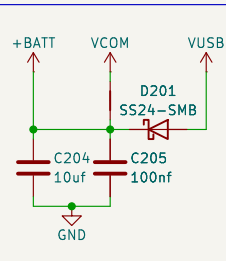
Rev: 1.0.0

KiCad E.D.A. 9.0.2

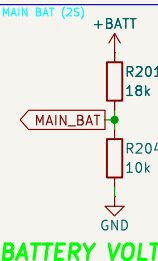
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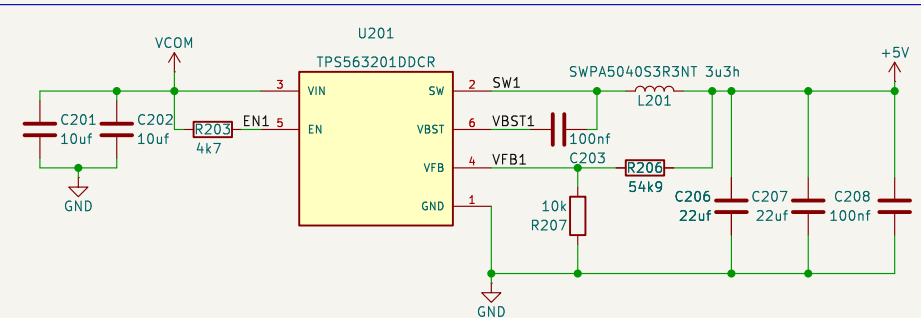
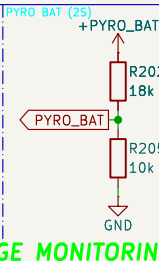
POWER INPUT



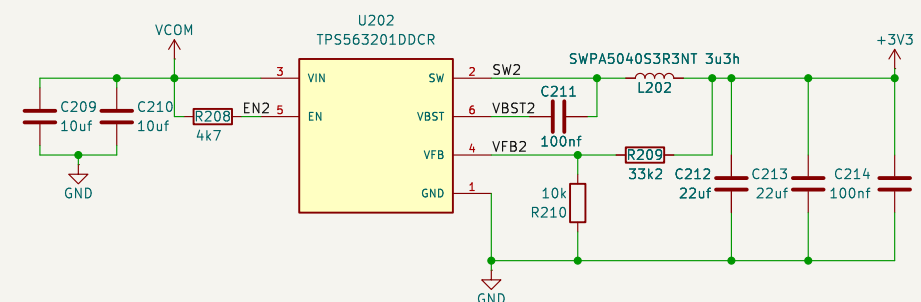
SUPPLEMENTARY BATTERIES



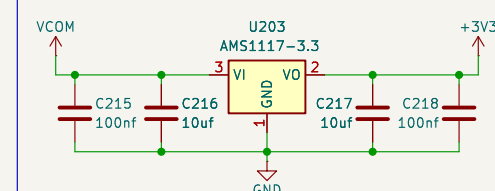
BATTERY VOLTAGE MONITORING



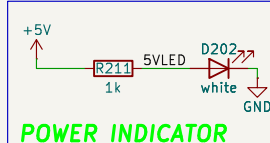
5V BUCK CONVERTER



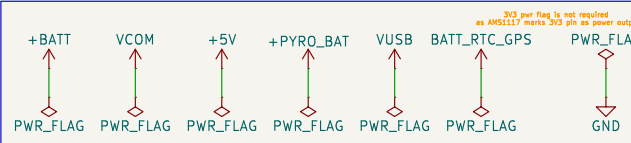
3V3 BUCK CONVERTER



3V3 LDO (REDUNDANT)



POWER INDICATOR



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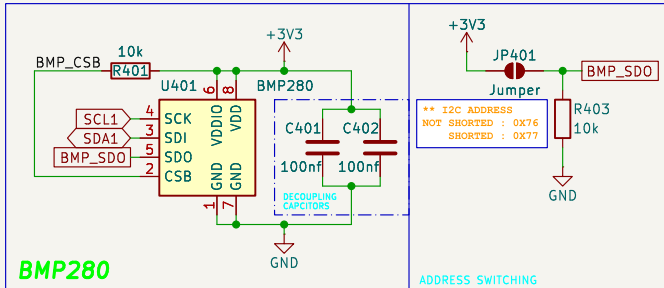
Sheet: /power/
File: power.kicad_sch

Title: VECTRON

Size: A4
KiCad E.D.A. 9.0.2

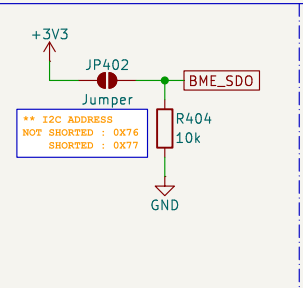
Date: 2025-06-10

Rev: 1.0.0
Id: 2/6



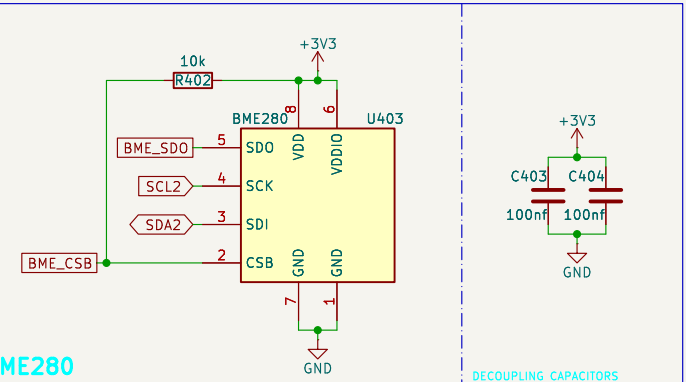
BMP280

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)

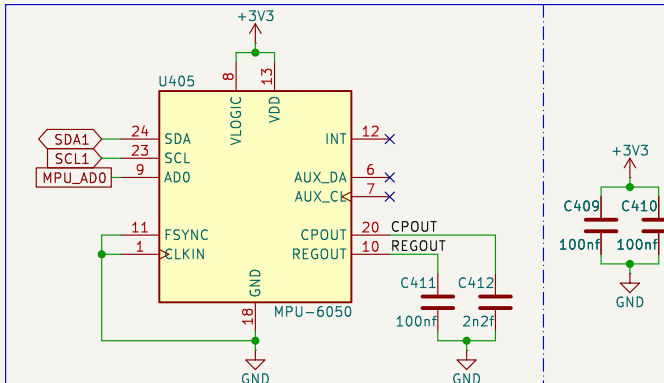


BMP280

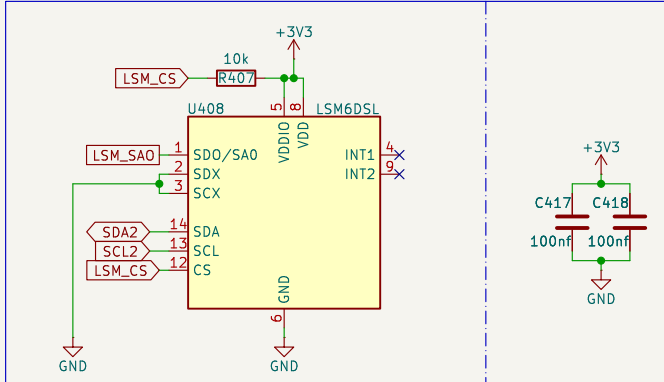
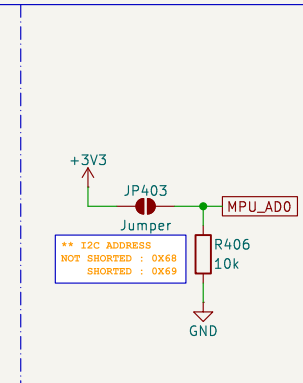
BMP280/BME280 (REDUNDANT)



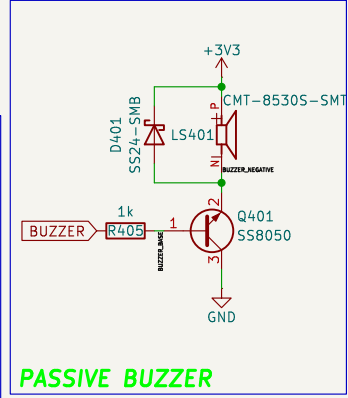
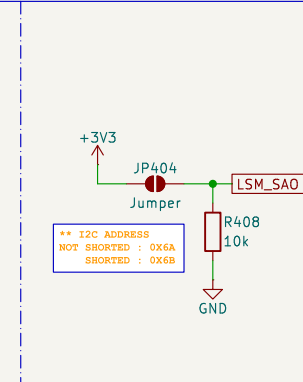
BME280



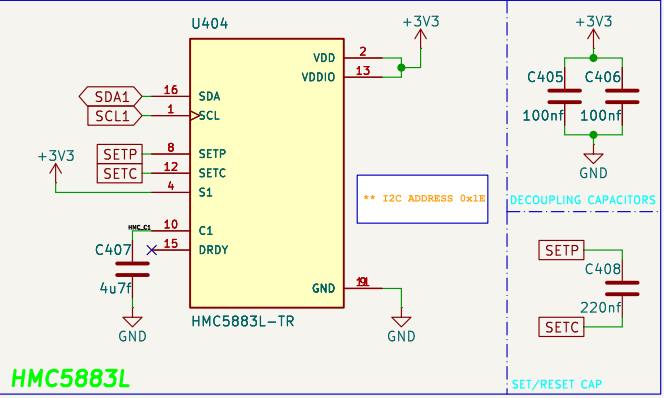
MPU6050



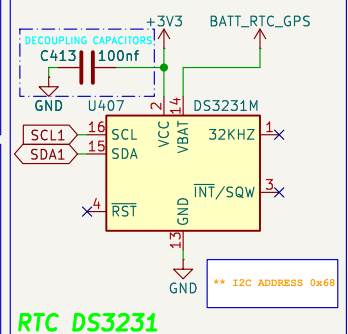
LSM6DSL (REDUNDANT)



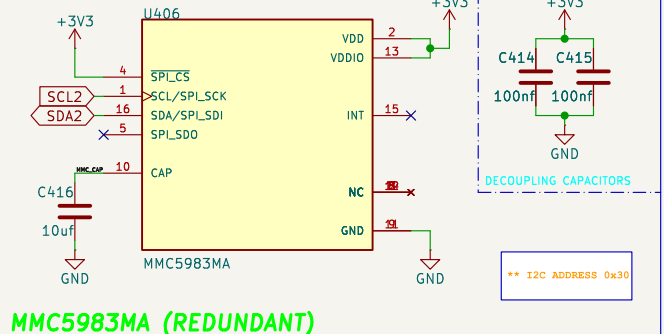
PASSIVE BUZZER



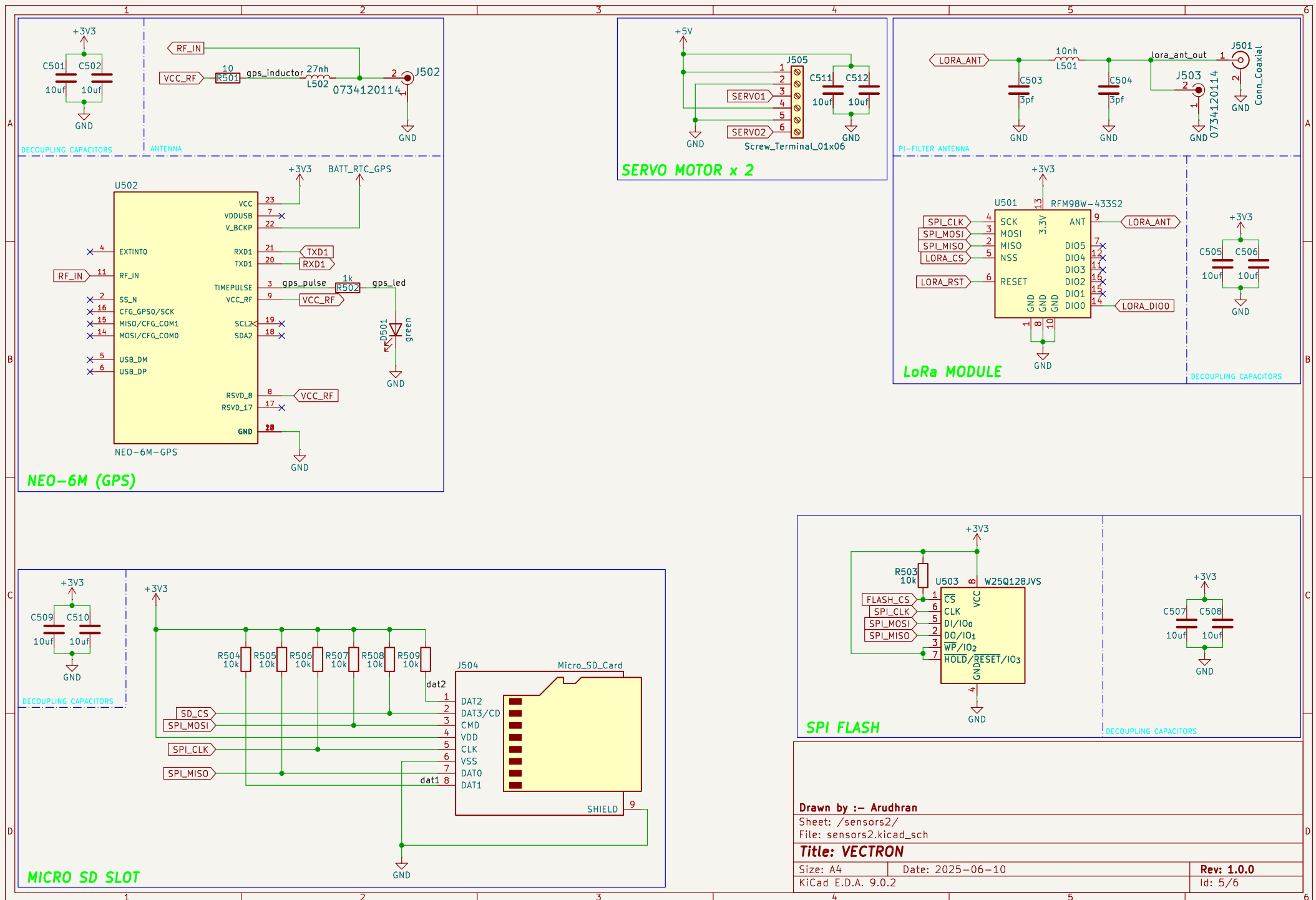
HMC5883L

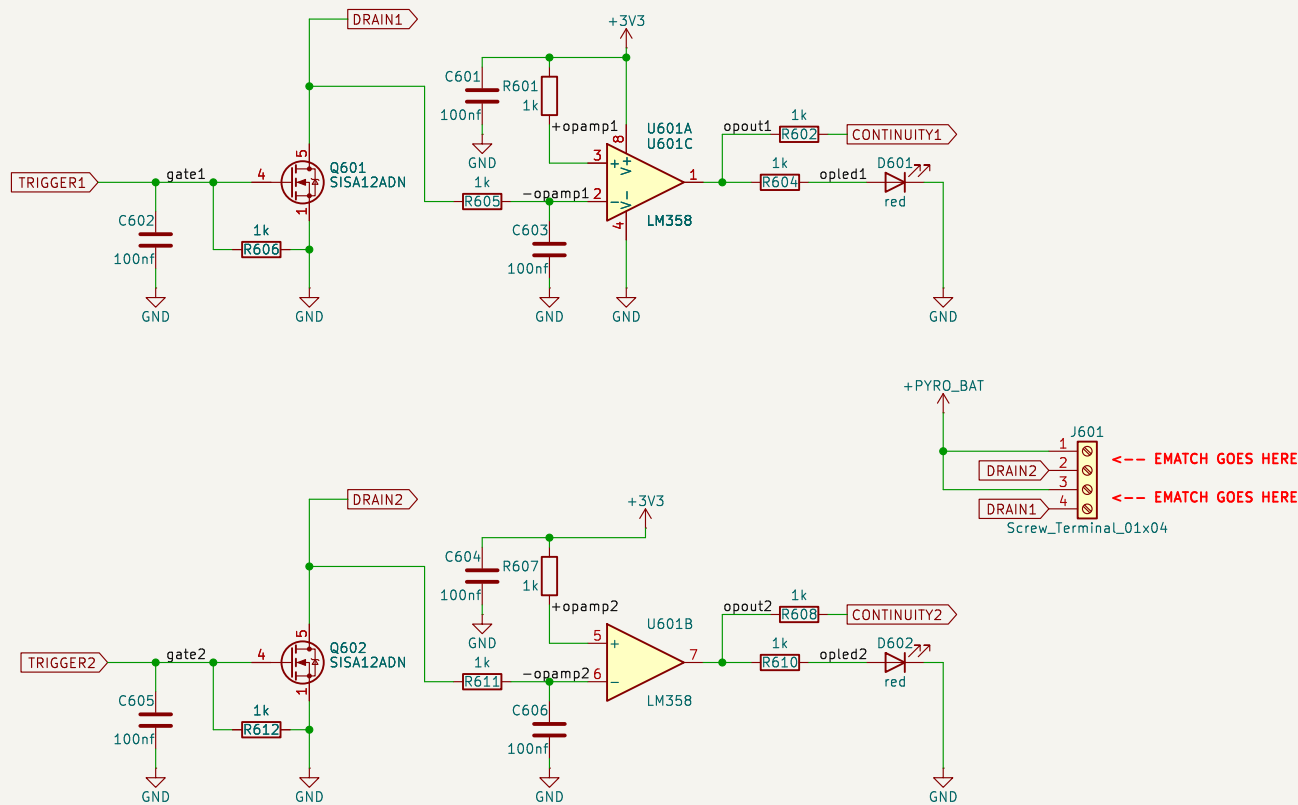


RTC DS3231



MMC5983MA (REDUNDANT)





Drawn by :- Arudhran

Sheet: /pyro/
File: pyro.kicad_sch

Title: VECTRON

Size: A4 Date: 2025-06-10
KiCad E.D.A. 9.0.2

Rev: 1.0.0
Id: 6/6