

123456

A

power

File: power.kicad_sch

ESP32

File: ESP32.kicad_sch

sensors2

File: sensors2.kicad_sch

B

pyro

File: pyro.kicad_sch

sensors1

File: sensors1.kicad_sch

H101
MountingHole_Pad

H102
MountingHole_Pad

H103
MountingHole_Pad

H104
MountingHole_Pad

GND

C

D

Done by :- Arudhran

Sheet: /
File: vectron.kicad_sch

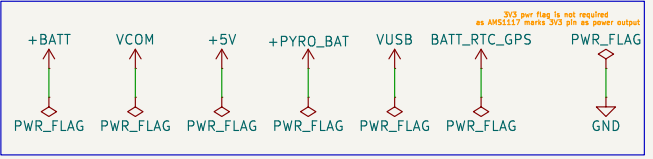
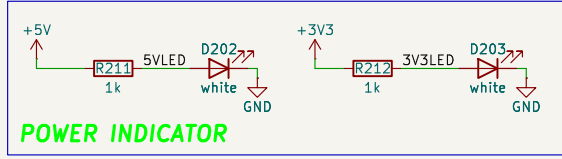
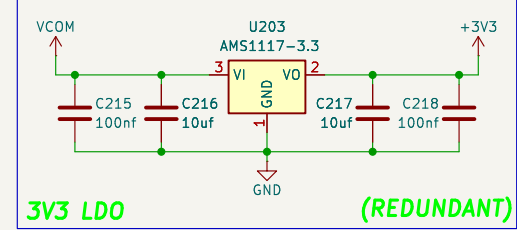
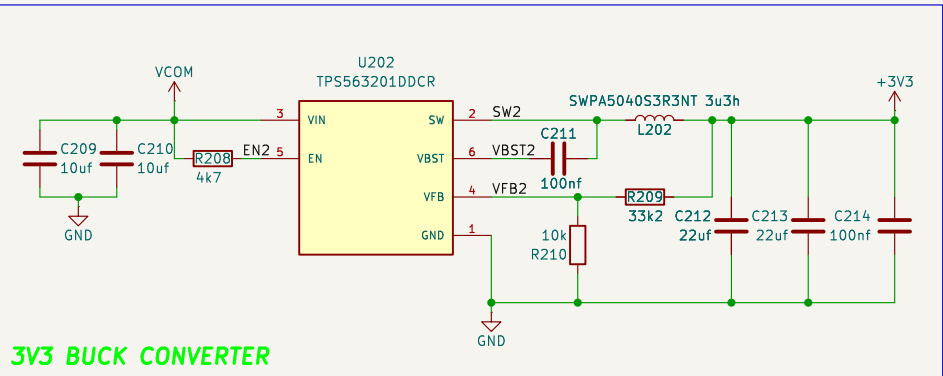
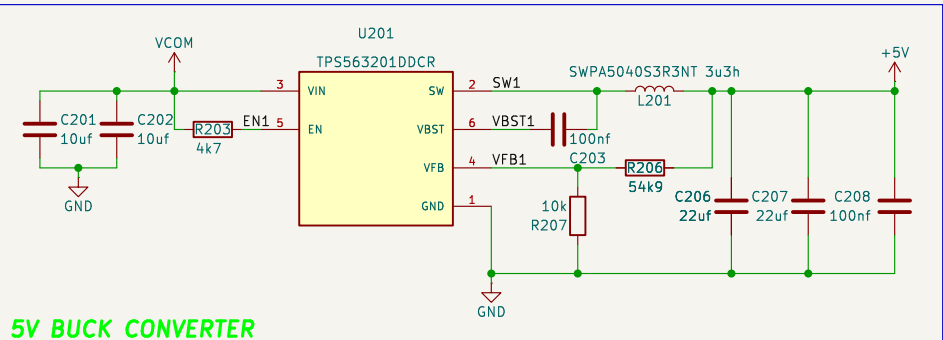
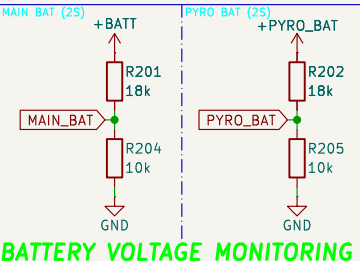
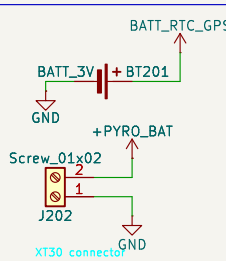
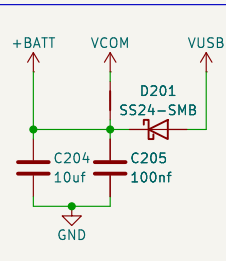
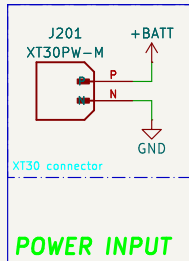
Title: AVIONICS PCB

Size: A4Date: 2025-05-27Rev: 1.0.0

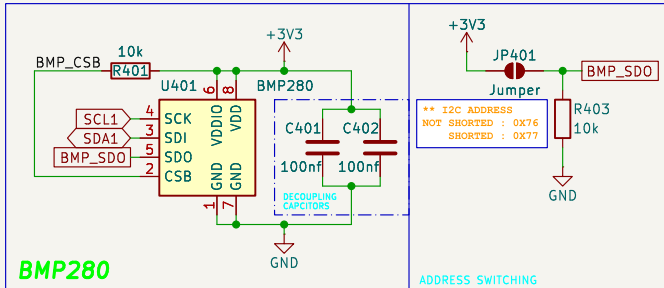
KiCad E.D.A. 9.0.2Id: 1/6

123456

The diagram shows a horizontal green line with four small green dots representing connection points. Above each dot is a red circle with a white center, representing a mounting hole. The labels above the holes are H101, H102, H103, and H104, each followed by MountingHole_Pad. A vertical green line connects the second dot from the left to a ground symbol (a triangle with a horizontal line) labeled GND.



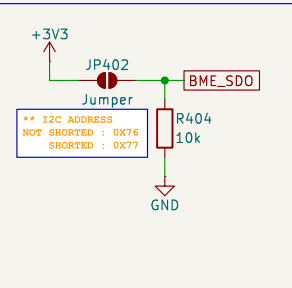
Done by :- Arudhran	
Sheet: /power/ File: power.kicad_sch	
Title: AVIONICS PCB	
Size: A4	Date: 2025-05-27
KiCad E.D.A. 9.0.2	Rev: 1.0.0 Id: 2/6



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)

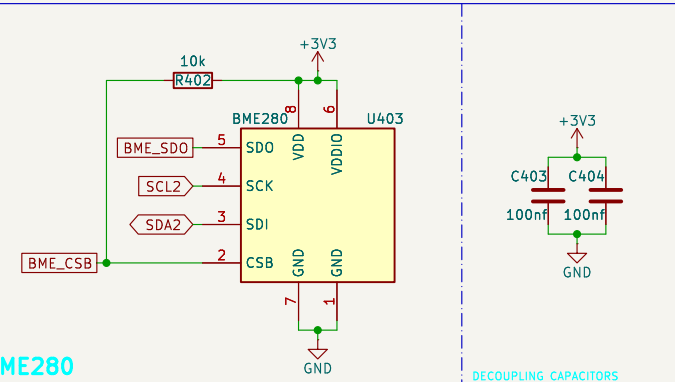
ADDRESS SWITCHING



BMP280

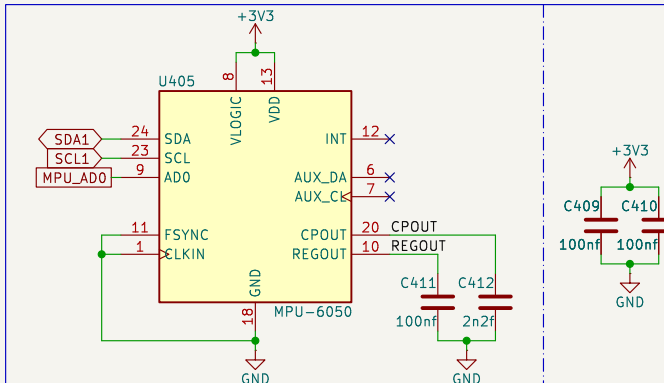
ADDRESS SWITCHING

BMP280/BME280 (REDUNDANT)



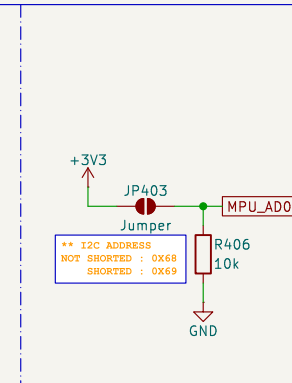
BME280

DECOUPLING CAPACITORS

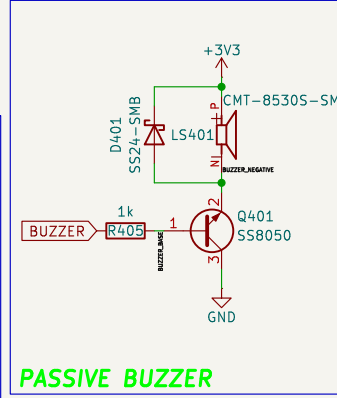


MPU6050

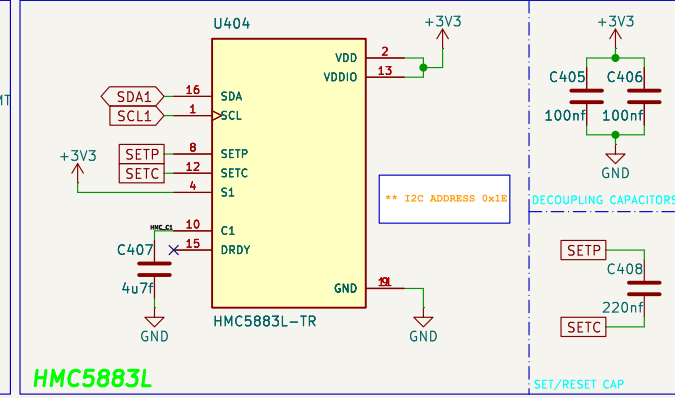
DECOUPLING CAPACITORS



ADDRESS SWITCHING

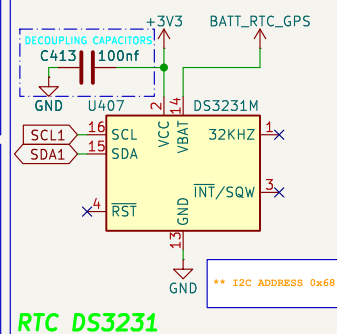


PASSIVE BUZZER

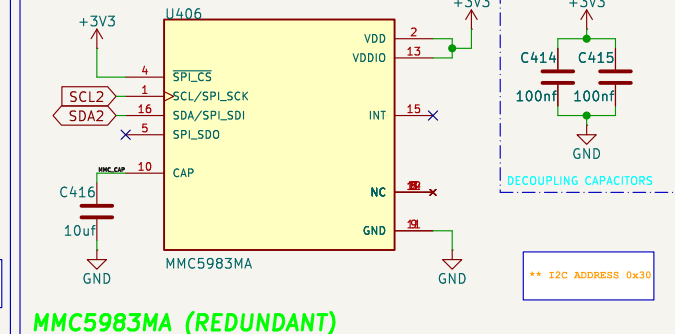


HMC5883L

SET/RESET CAP

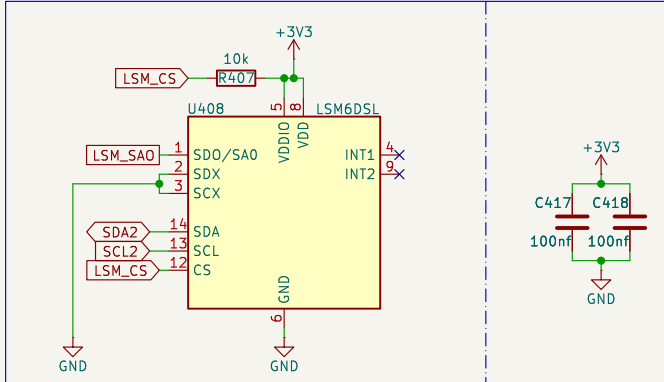


RTC DS3231



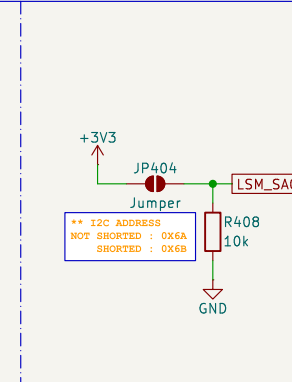
MMC5983MA (REDUNDANT)

I2C ADDRESS 0x30



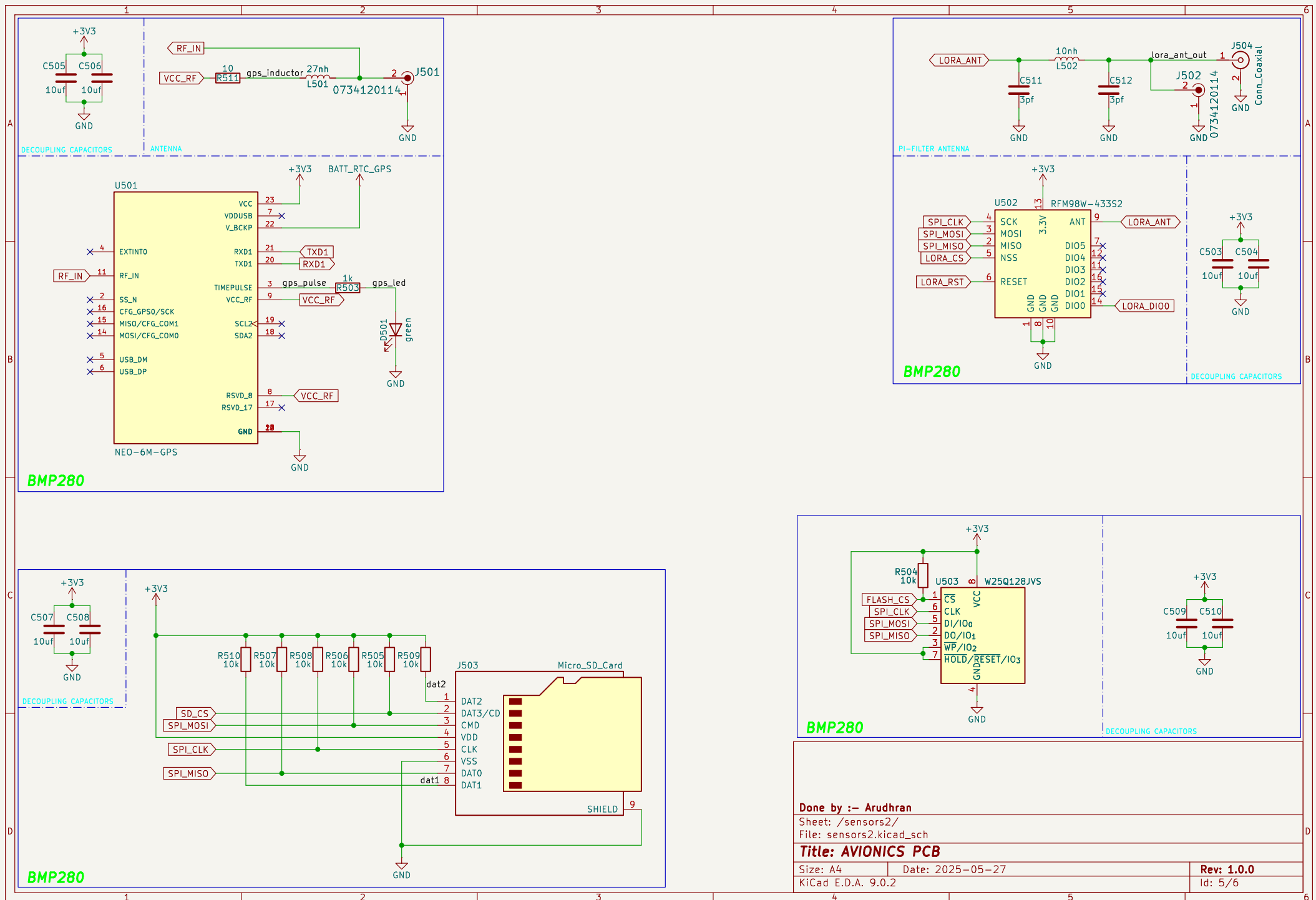
LSM6DSL (REDUNDANT)

DECOUPLING CAPACITORS



ADDRESS SWITCHING

Done by :- Arudhran	
Sheet: /sensors1/	
File: sensors1.kicad_sch	
Title: AVIONICS PCB	
Size: A4	Date: 2025-05-27
KiCad E.D.A. 9.0.2	Rev: 1.0.0
	Id: 4/6



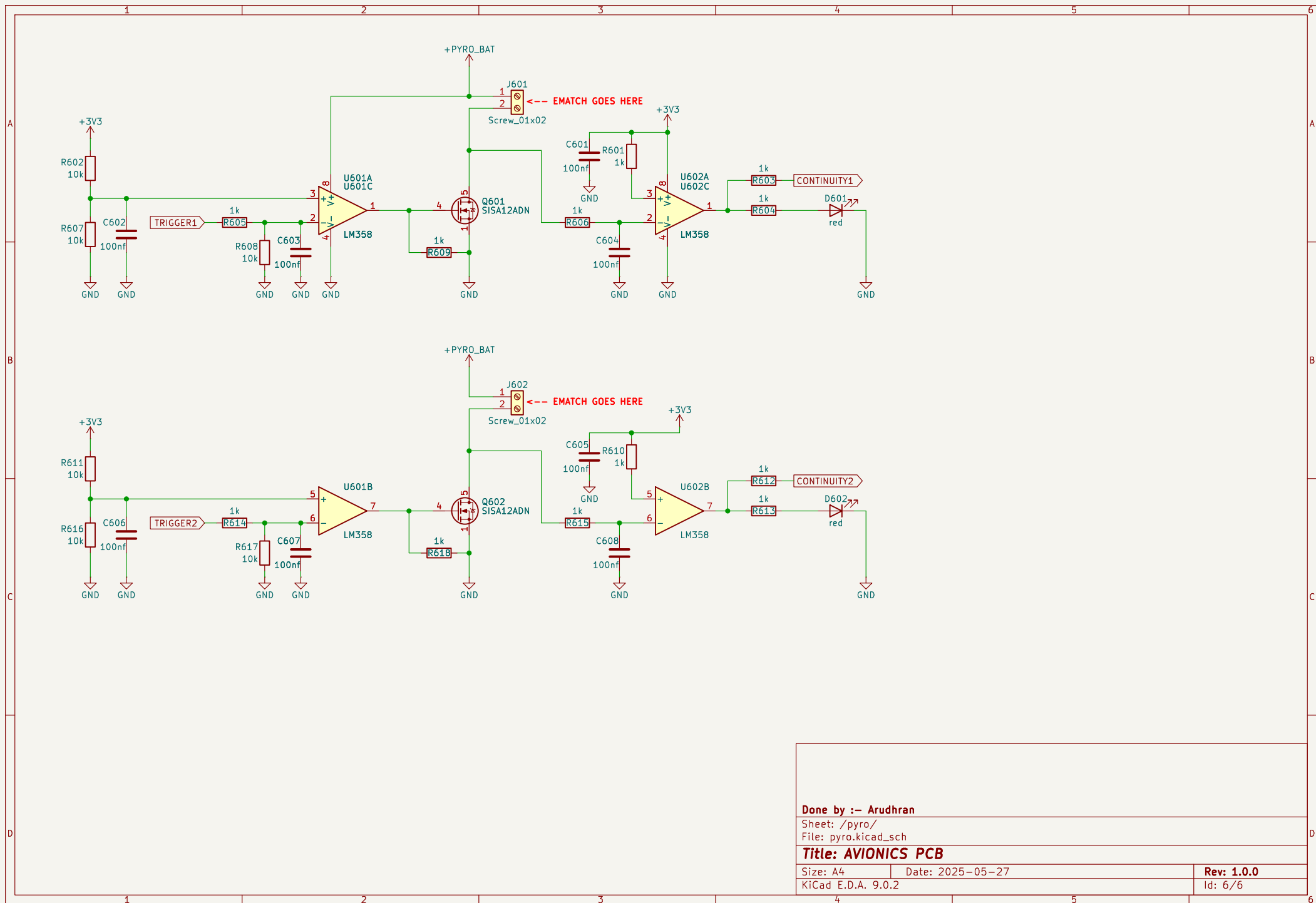
Done by :- Arudhran

Sheet: /sensors2/
File: sensors2.kicad_sch

Title: AVIONICS PCB

Size: A4 Date: 2025-05-27
KiCad E.D.A. 9.0.2

Rev: 1.0.0
Id: 5/6



Done by :- Arudhran

Sheet: /pyro/
File: pyro.kicad_sch

Title: AVIONICS PCB

Size: A4 Date: 2025-05-27
KiCad E.D.A. 9.0.2

Rev: 1.0.0
Id: 6/6