

PCB Order settings
- Layer count: 4
- Stackup nb: JLC04162-H-7628

PCB Description
<Enter Description Here>

Off board parts to order
Add parts like connectors, crimps or other which needs to be ordered with the PCB. Don't forget to check the "remove from board" option

Board block schematic

Power_Circuit



File: Power_Circuit.kicad_sch

ESP



File: ESP.kicad_sch

Sensors

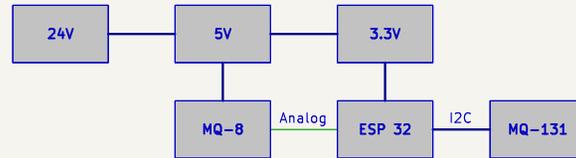


File: Sensors.kicad_sch

Extras



File: Extras.kicad_sch



Mechanical parts



MountingHole_Pad



GND



MountingHole_Pad



GND



MountingHole_Pad



GND



MountingHole_Pad



GND

<ENTER_AUTOR_HERE>

Robotique UdeS

Sheet: /

File: GasConnBrd.kicad_sch

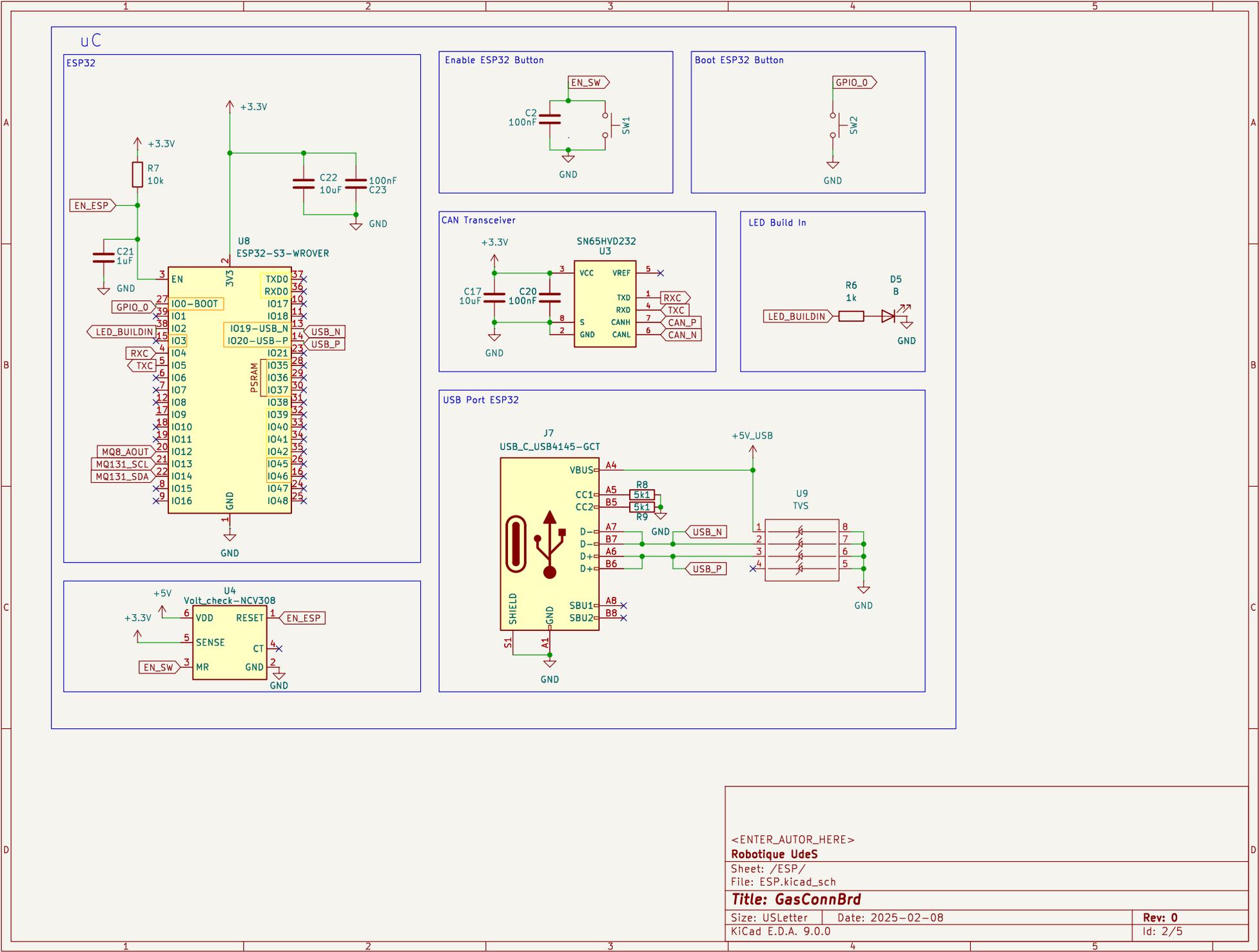
Title: GasConnBrd

Size: USLetter | Date: 2025-02-08

KiCad E.D.A. 9.0.0

Rev: 0

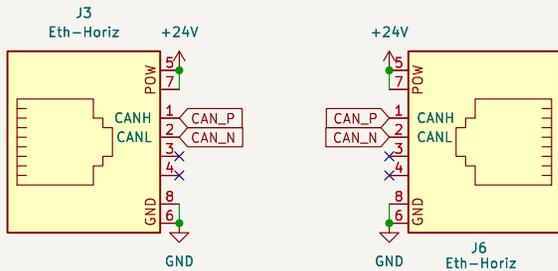
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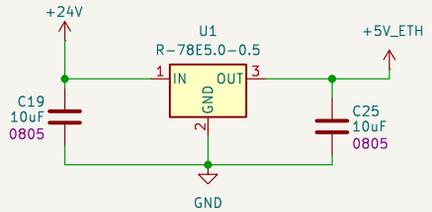
<ENTER_AUTOR_HERE>
Robotique UdeS
 Sheet: /ESP/
 File: ESP.kicad_sch
Title: GasConnBrd
 Size: USLetter | Date: 2025-02-08
 KiCad E.D.A. 9.0.0 | Rev: 0
 Id: 2/5

Power

Data Connectors

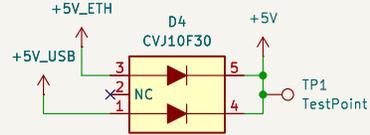


Stepdown 5V

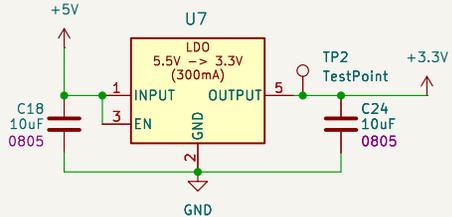


* C_in and C_out optionnal according to datasheet pads will be there if need be, but not soldered

5V Power Jumper



ESP LDO



Protection

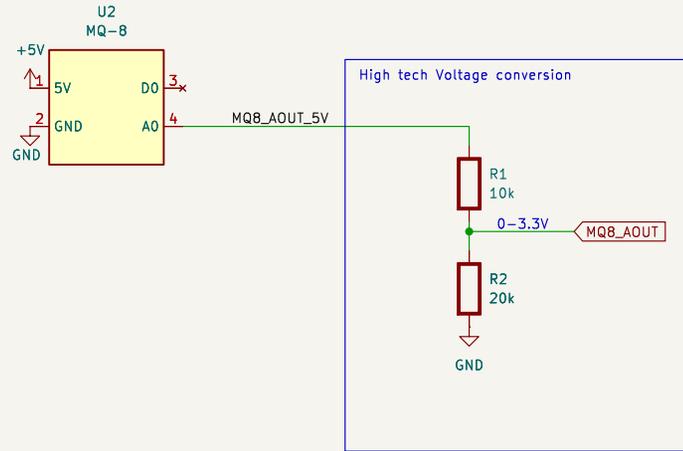
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Title:

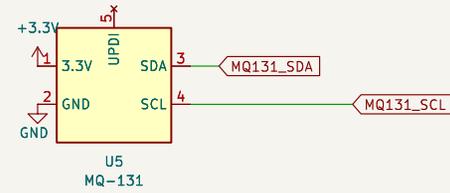
Size: USLetter Date:
KiCad E.D.A. 9.0.0

Rev:
Id: 3/5

Sensor 1 : MQ8



Sensor 2 : MQ131



Sheet: /Sensors/
File: Sensors.kicad_sch

Title:

Size: USLetter Date:
KiCad E.D.A. 9.0.0

Rev:
Id: 4/5

	1	2	3	4	5	
A						A
B						B
C						C
D						D
	1	2	3	4	5	

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Sheet: /Extras/	
File: Extras.kicad_sch	
Title:	
Size: USLetter	Date:
KiCad E.D.A. 9.0.0	Rev: 6/5