

**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

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ESP

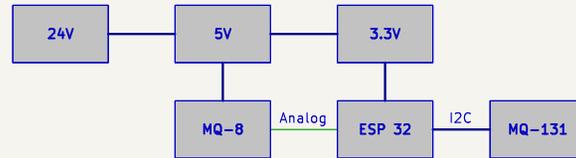
File: ESP.kicad\_sch

Sensors

File: Sensors.kicad\_sch

Extras

File: Extras.kicad\_sch



**Mechanical parts**



MountingHole\_Pad



GND



MountingHole\_Pad



GND



MountingHole\_Pad



GND



MountingHole\_Pad



GND

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**Robotique UdeS**

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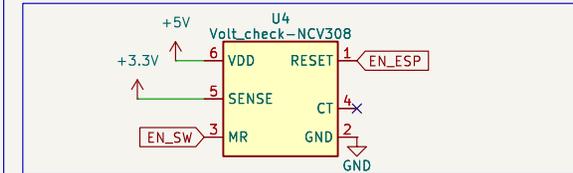
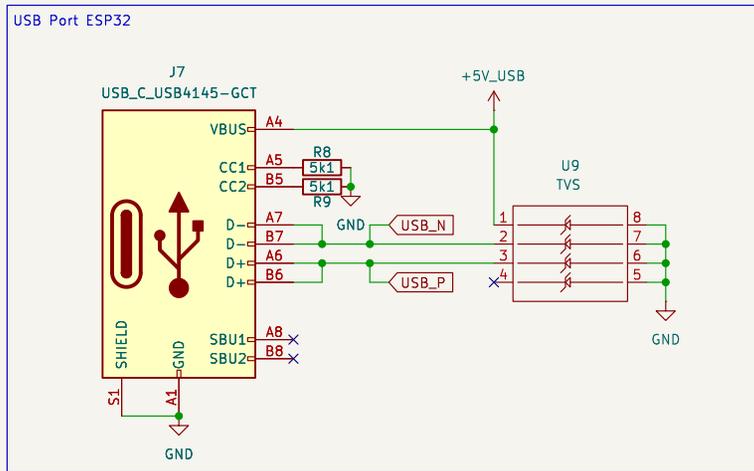
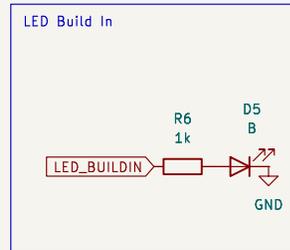
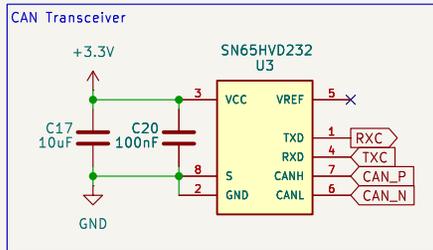
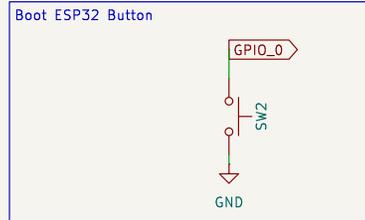
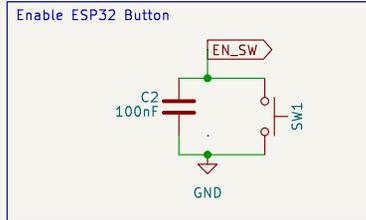
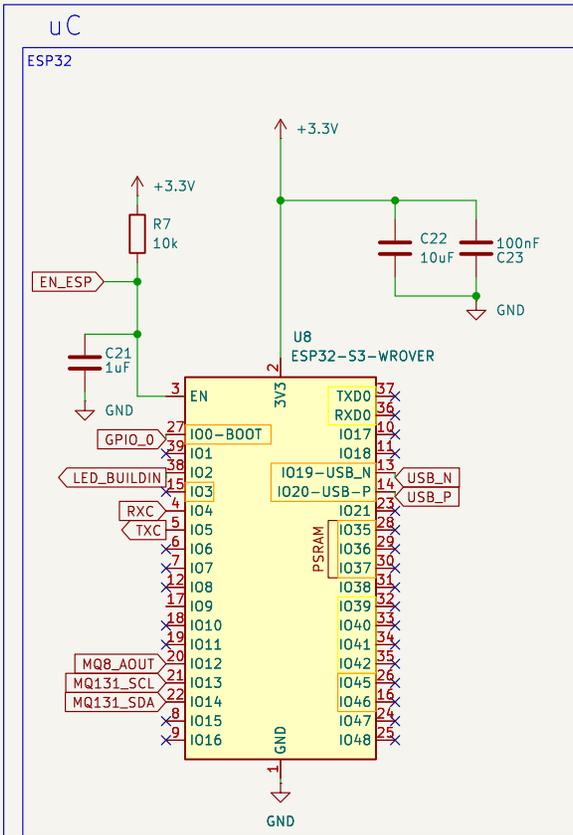
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Size: USLetter | Date: 2025-02-08

KiCad E.D.A. 9.0.0

**Rev: 0**

Id: 1/5



<ENTER\_AUTHOR\_HERE>

Robotique UdeS

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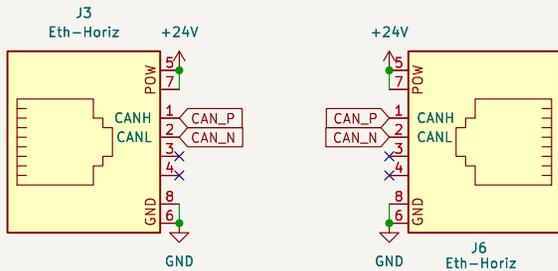
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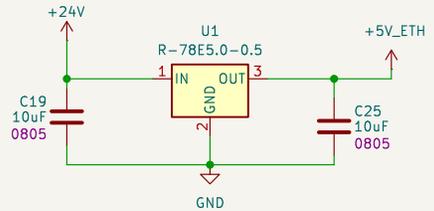
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# Power

## Data Connectors

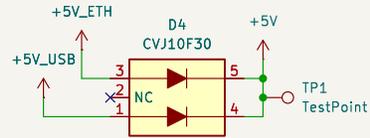


## Stepdown 5V

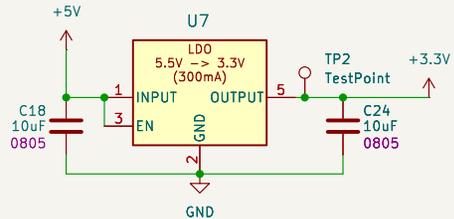


\* C\_in and C\_out optionnal according to datasheet pads will be there if need be, but not soldered

## 5V Power Jumper



## ESP LDO



# Protection

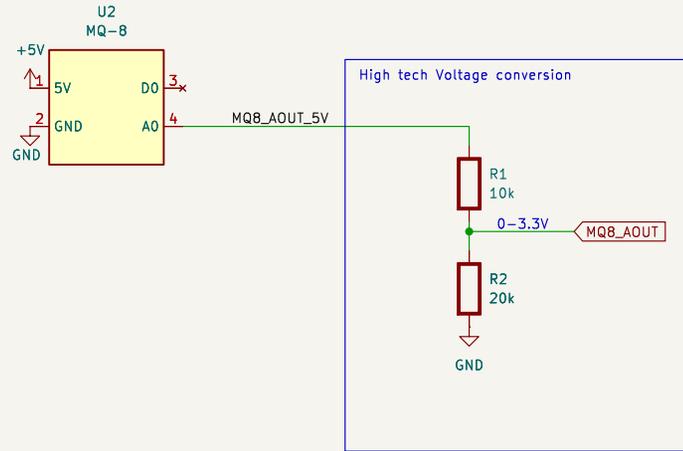
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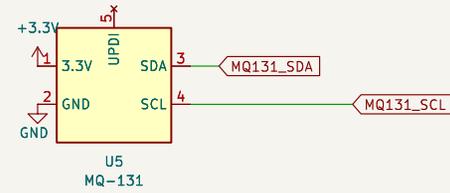
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Rev:  
Id: 3/5

Sensor 1 : MQ8



Sensor 2 : MQ131



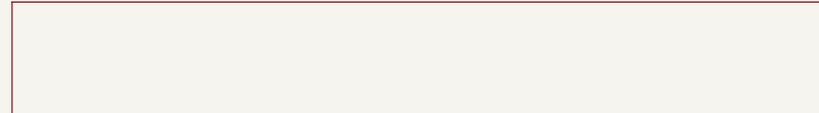
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**Rev:**  
Id: 4/5

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



Sheet: /Extras/		Date:	
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Size: USLetter	KiCad E.D.A. 9.0.0		Id: 6/5