

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

Outputs

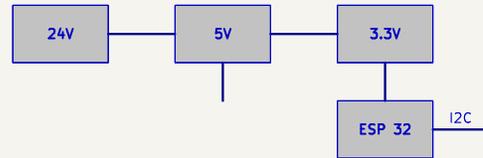


File: Outputs.kicad_sch

Logic Control



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: ProtoBoard.kicad_sch

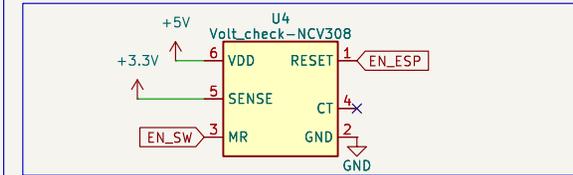
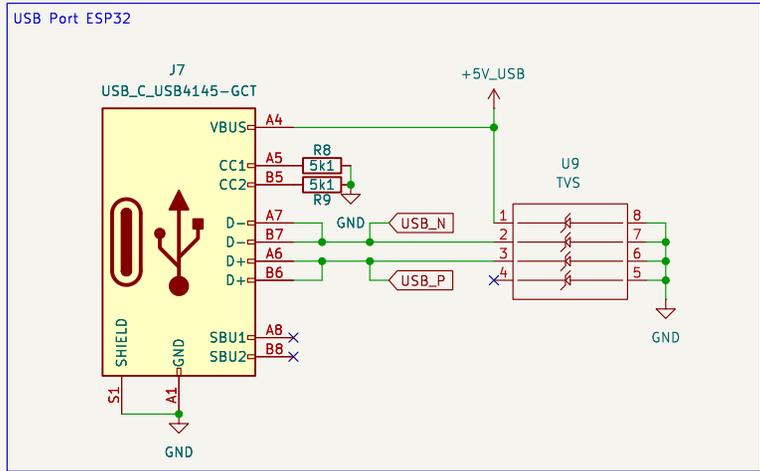
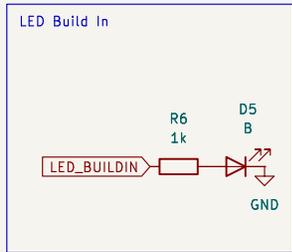
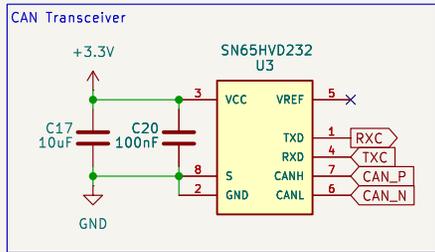
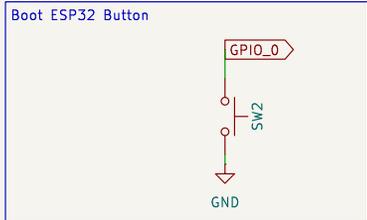
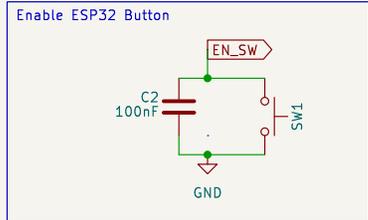
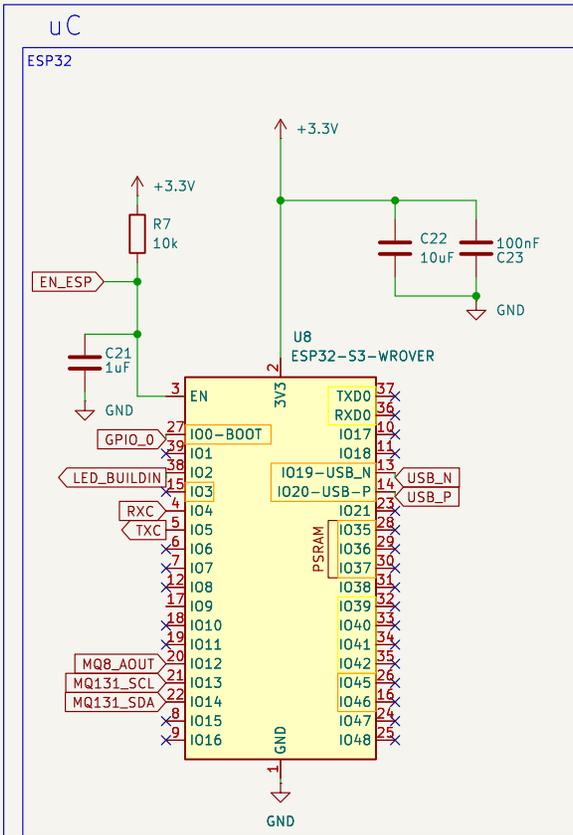
Title: ProtoBoard

Size: USLetter | Date: 2025-02-08

KiCad E.D.A. 9.0.0

Rev: 0

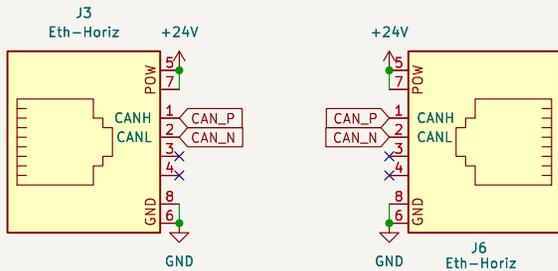
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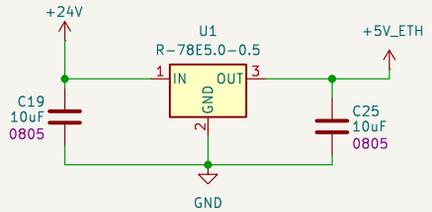
<ENTER_AUTHOR_HERE>	
Robotique UdeS	
Sheet: /ESP/	
File: ESP.kicad_sch	
Title: ProtoBoard	
Size: USLetter	Date: 2025-02-08
KiCad E.D.A. 9.0.0	Rev: 0
	Id: 2/5

Power

Data Connectors

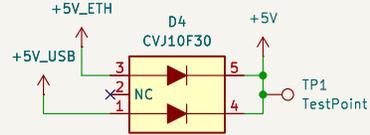


Stepdown 5V

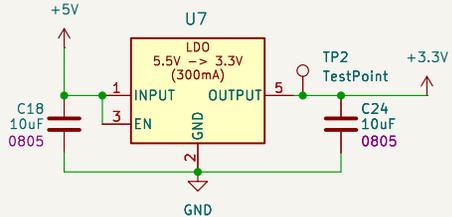


* C_in and C_out optionnal according to datasheet pads will be there if need be, but not soldered

5V Power Jumper



ESP LDO



Protection

Sheet: /Power_Circuit/
File: Power_Circuit.kicad_sch

Title:

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

Rev:
Id: 3/5

Communication connectors

SPI Connector



UART/I2C Connector



Sheet: /Outputs/
File: Outputs.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	

Sheet: /Logic Control/
File: Extras.kicad_sch

Title:

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

Rev:
Id: 6/5