

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

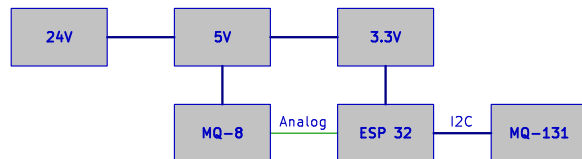
File: ESP.kicad_sch

Sensors

File: Sensors.kicad_sch

Extras

File: Extras.kicad_sch



Mechanical parts



MountingHole_Pad



GND



MountingHole_Pad



GND



MountingHole_Pad



GND



MountingHole_Pad



GND

Title: GasConnBrd
By: <ENTER_AUTOR_HERE>



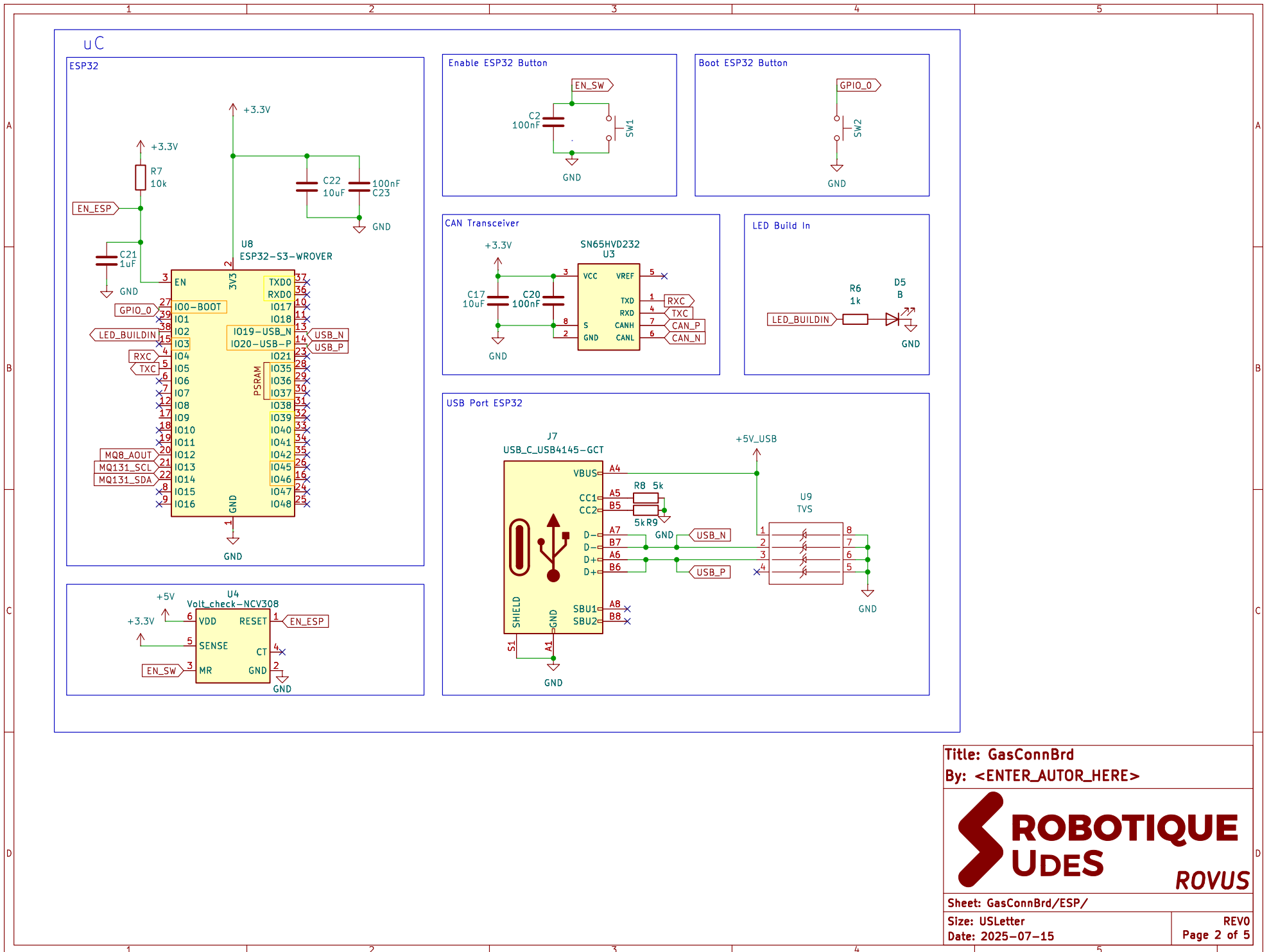
**ROBOTIQUE
UDES**

ROVUS

Sheet: GasConnBrd/

Size: USLetter
Date: 2025-07-15

REV0
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ESP32

Enable ESP32 Button

Boot ESP32 Button

CAN Transceiver

LED Build In

USB Port ESP32

Volt_check-NCV308

ESP32

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ESP32

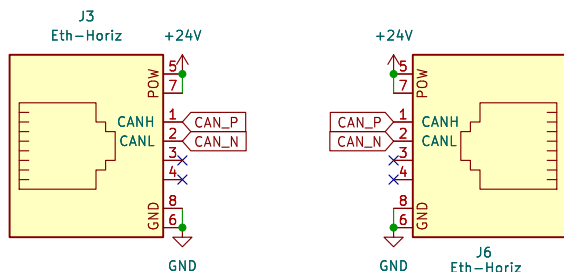
Enable ESP32 Button

Boot ESP32 Button

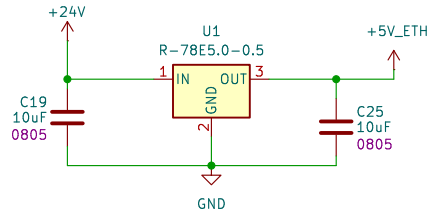
CAN Transceiver

Power

Data Connectors

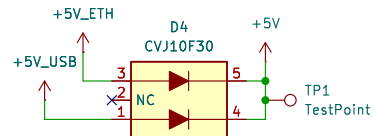


Stepdown 5V

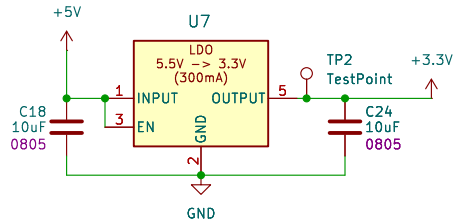


* C_{in} and C_{out} optional according to datasheet pads will be there if need be, but not soldered

5V Power Jumper



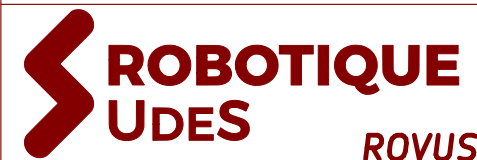
ESP LDO



Protection

Title:

By:



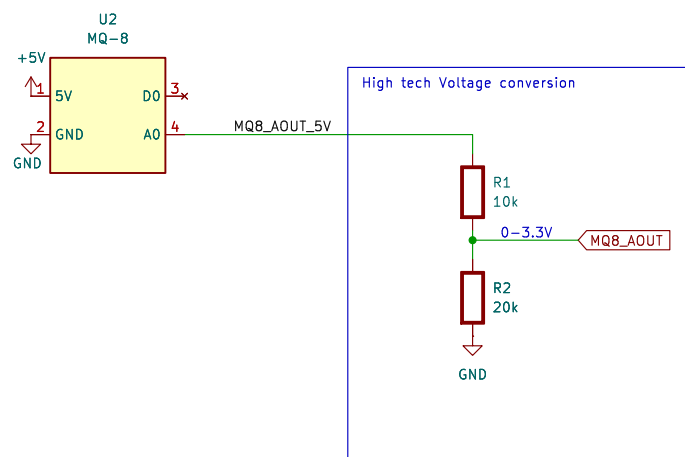
Sheet: /Power_Circuit/

Size: USLetter

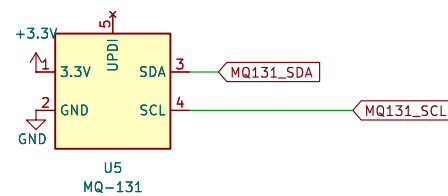
Date: 2025-07-15

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Sensor 1 : MQ8

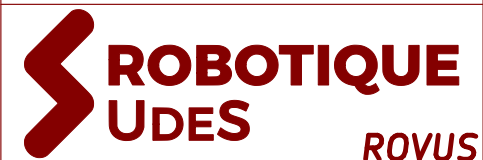


Sensor 2 : MQ131



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By:



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Date: 2025-07-15

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

Title:

By:



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UDES

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Sheet: /Extras/

Size: USLetter

Date: 2025-07-15

REV

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