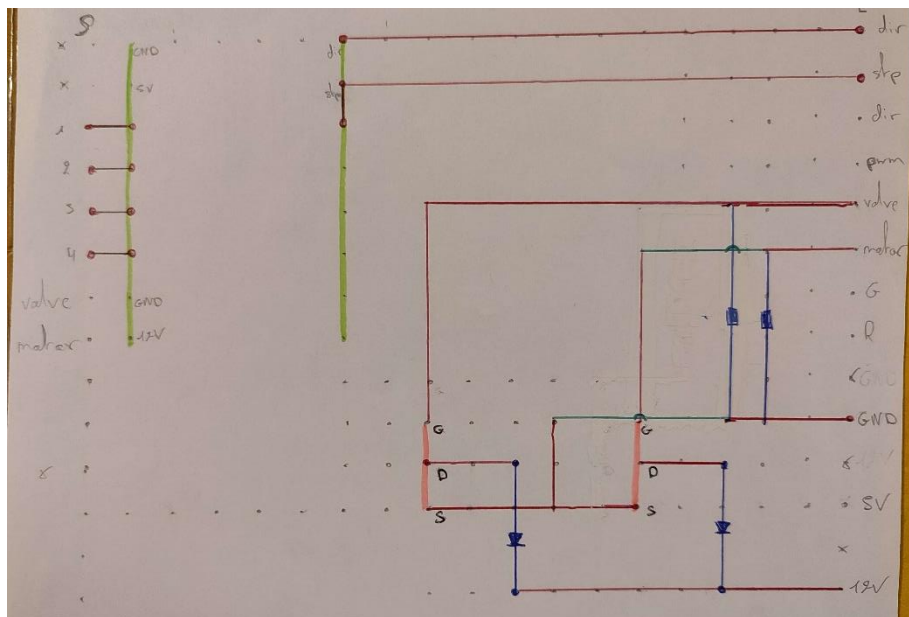


Session Report 7

During this session I wanted to use the alimentation connectors from a PC for our project. I first went to find a mother board and an alimentation in the electronic garbage from Polytech. The male connector is easy to get, cut 10 wires and there it is! but for the female part that's welded onto the motherboard it is another story. I've tried different methods, like hot air or desoldering braid but none were concluding so after many tries, I abandoned this idea and started searching for other solutions in the drawers from the FabLab. I've found none so the last option is to order some on the internet.

After this failure I started thinking about another part of the project, I wanted to replace the breadboard and the limit switches with a prototype PCB. I started by collecting two MOSFETs to replace the relays, diodes, resistors, and PCB screw terminals to connect my inputs and outputs. I started trying to assemble them on the board and finding it too hard to visualize I pulled out paper and pen and started to draw the circuit.



On the image above we can see the beginning of the layout, with in the top left corner the Pololu module driving my stepper motor, and in the bottom right corner we have the two mosfet connected to diode and resistors. I also choose to put all the outputs on the left and the inputs on the right.