

**biohack
academy**

Incubator Assembly Guide



Cut the foam in the right dimensions





Assemble the box





Use double plates for the hinges



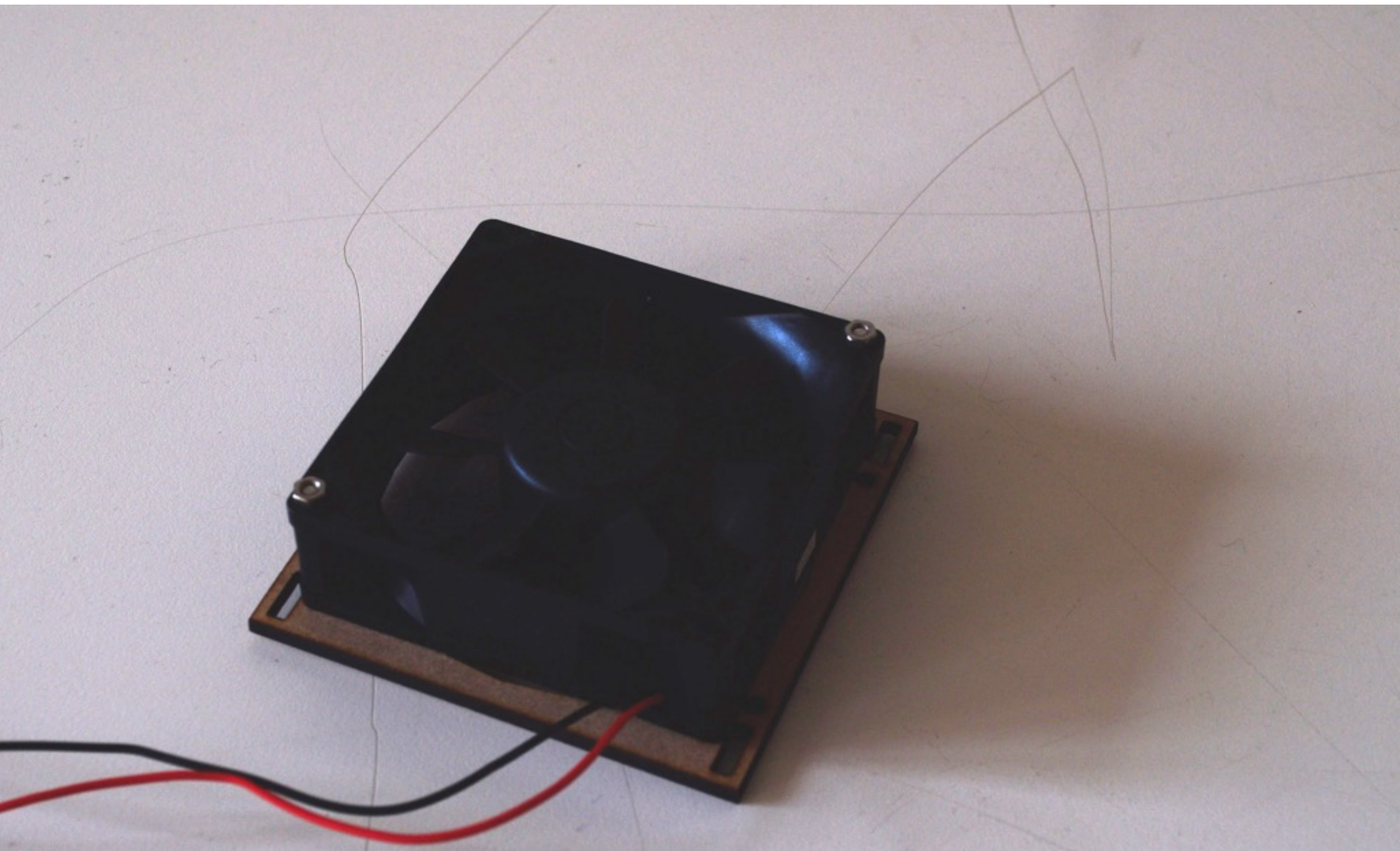


Put the foam inside the box



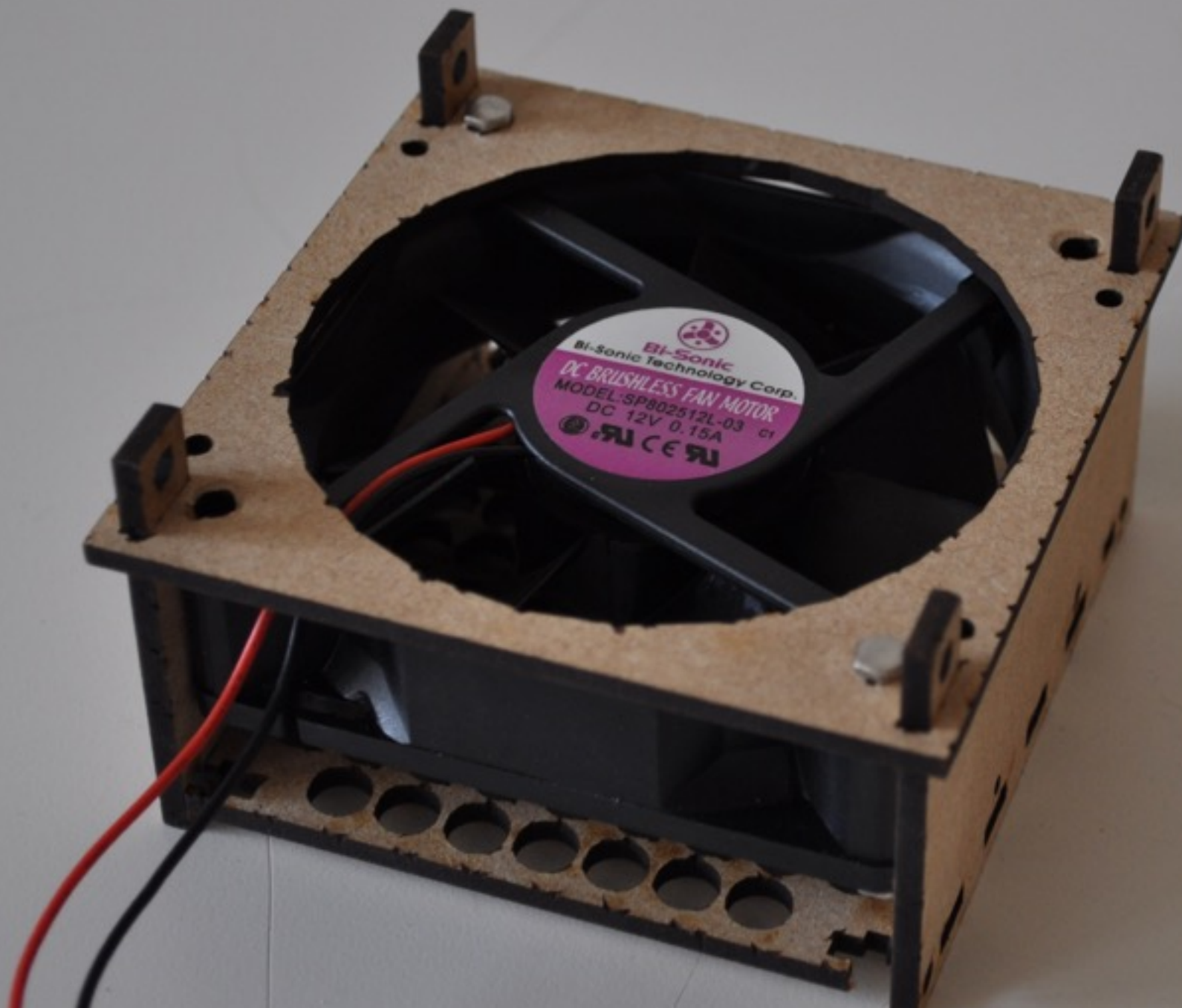


Mount a fan to the panel



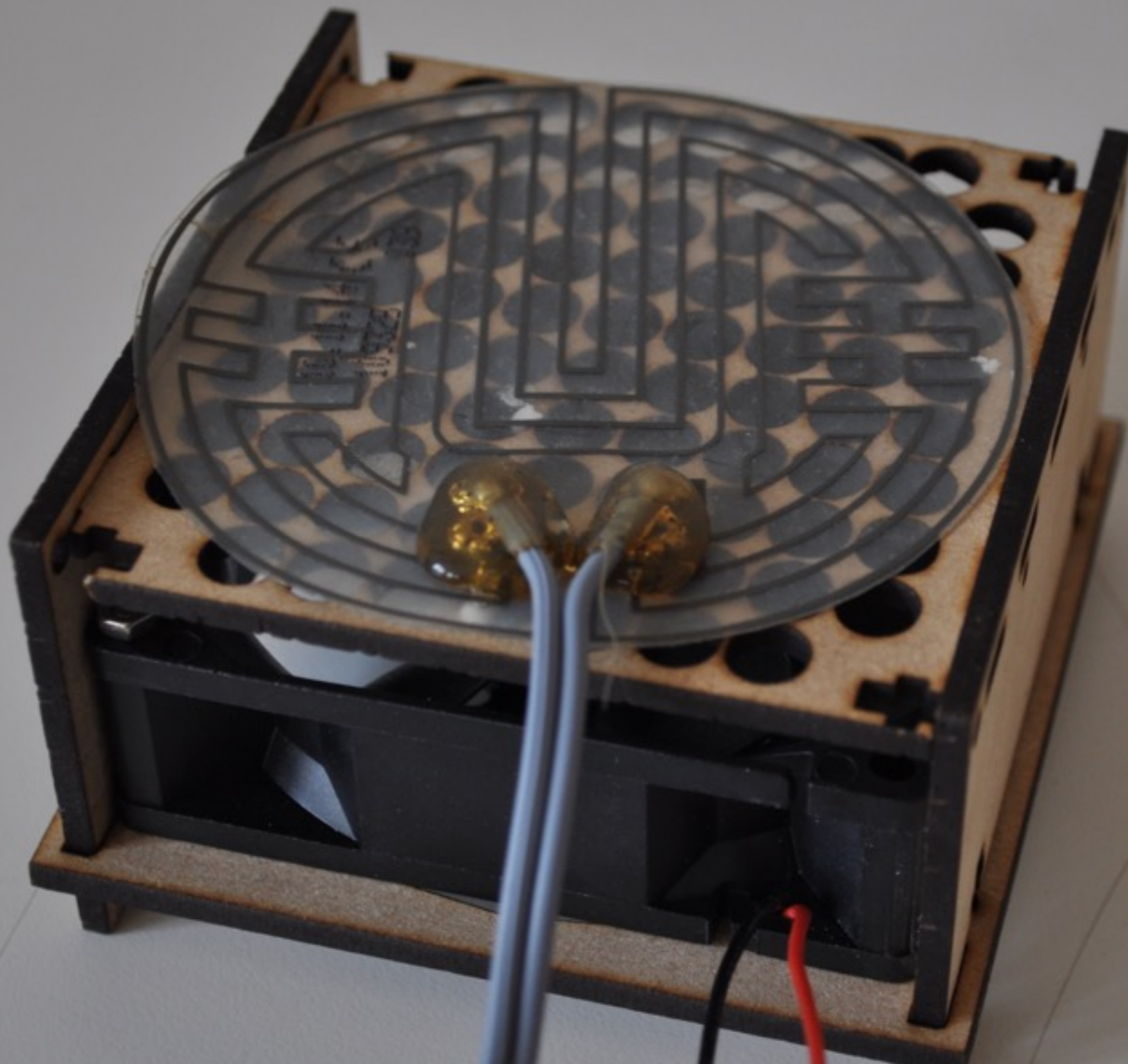


Assemble the box





Attach the heating foil



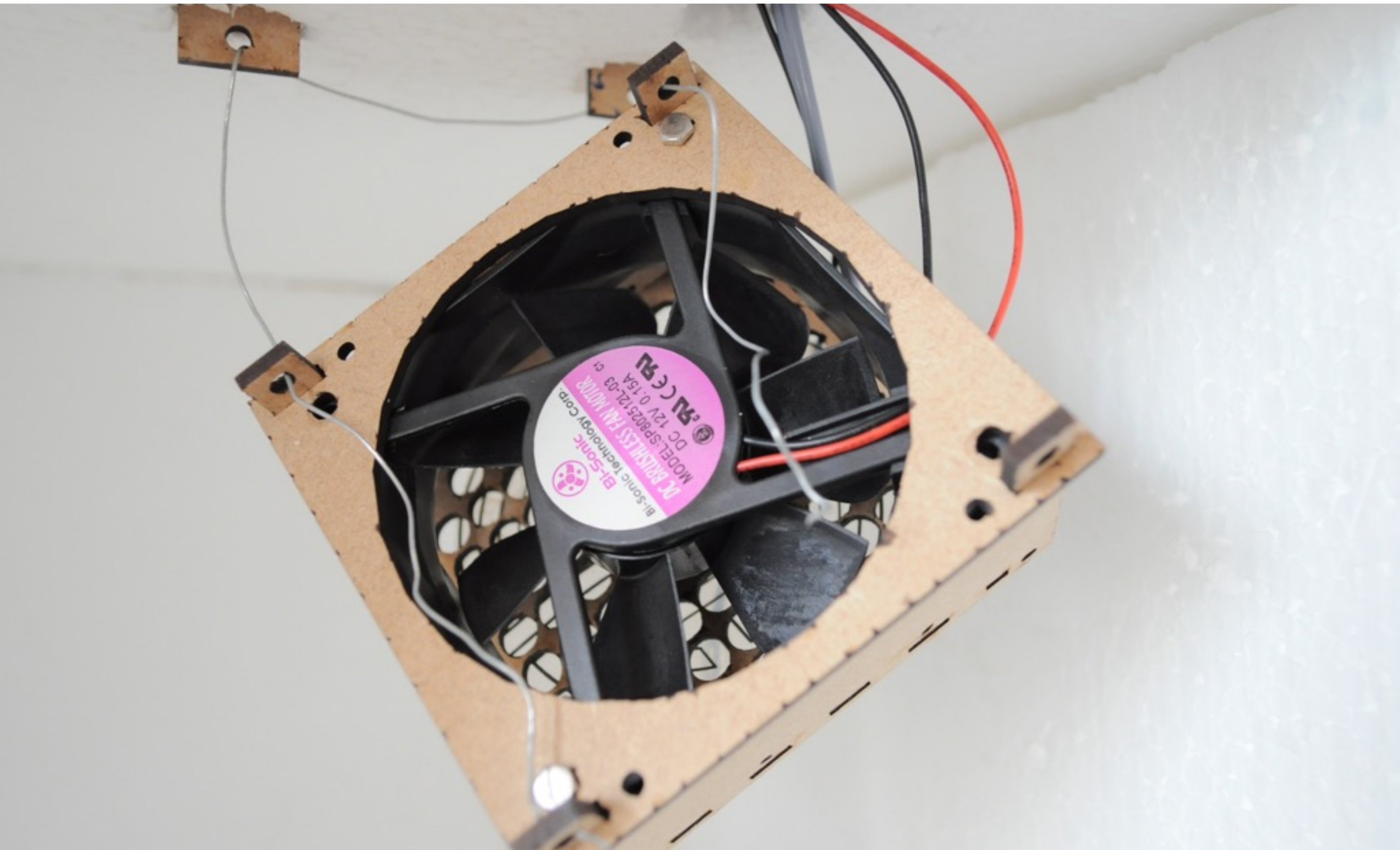


Put a wire through the holes in the back





Connect the heating element by wire



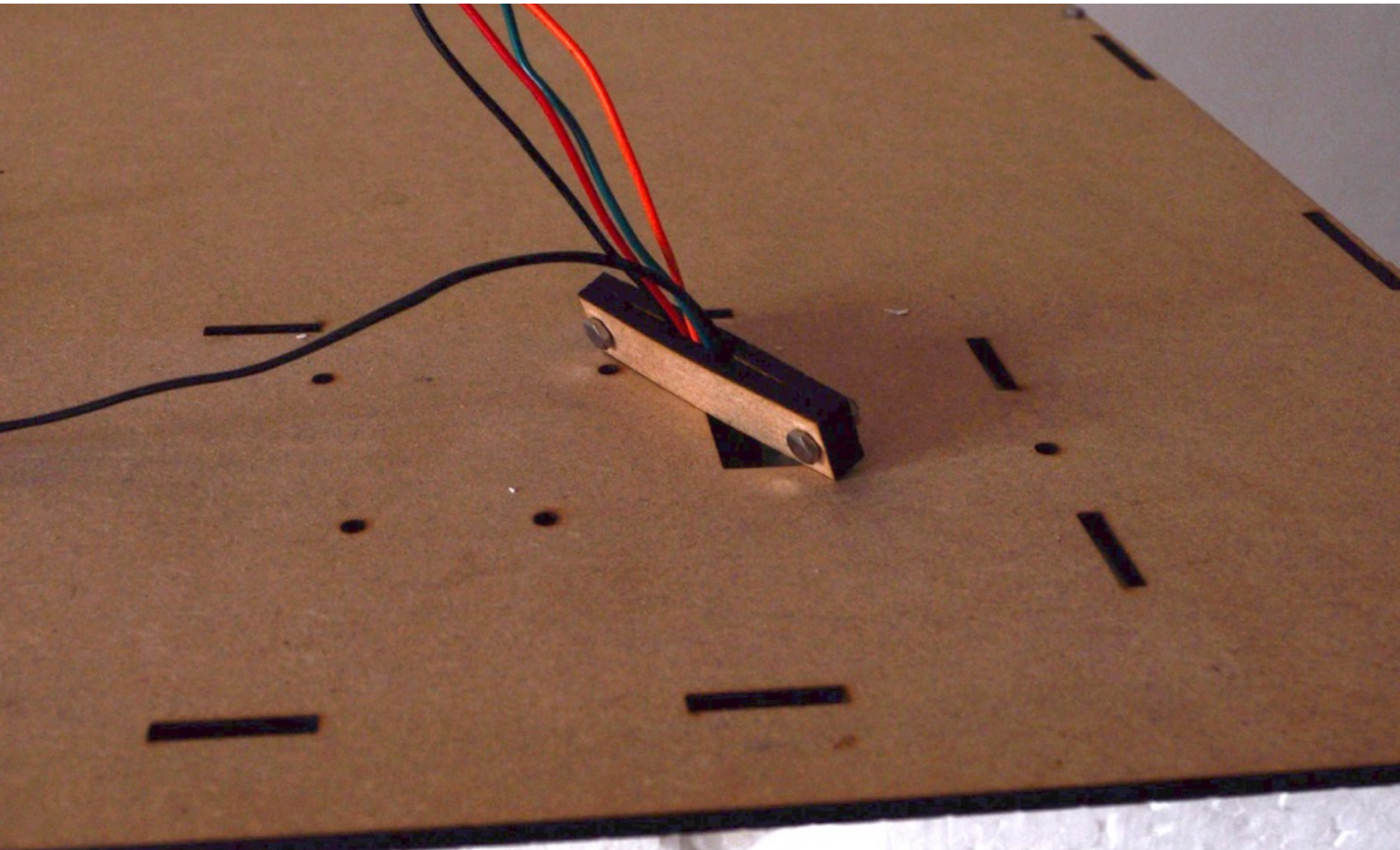


Finish the mounting



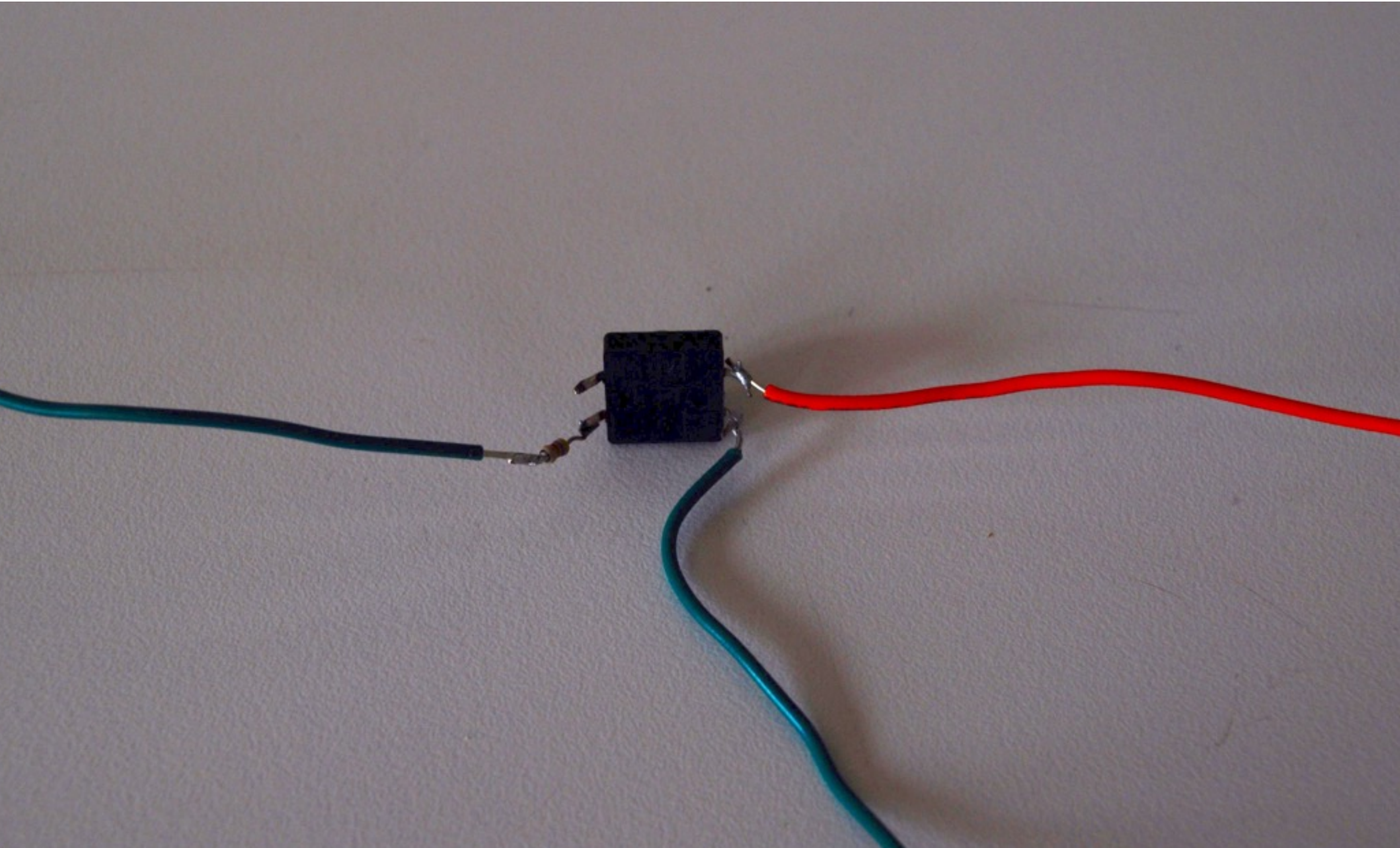


Clamp the wires



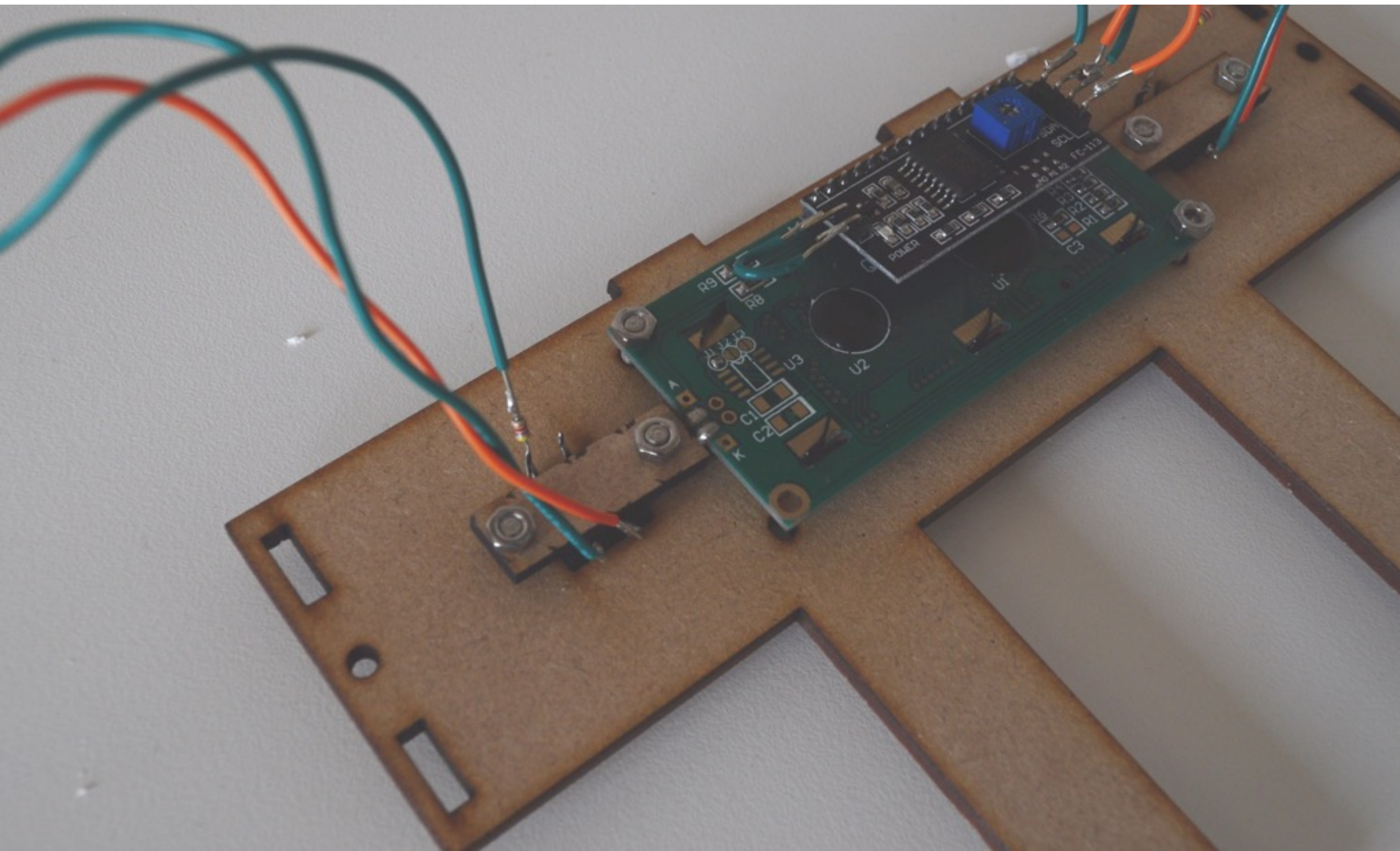


Solder wires to the buttons



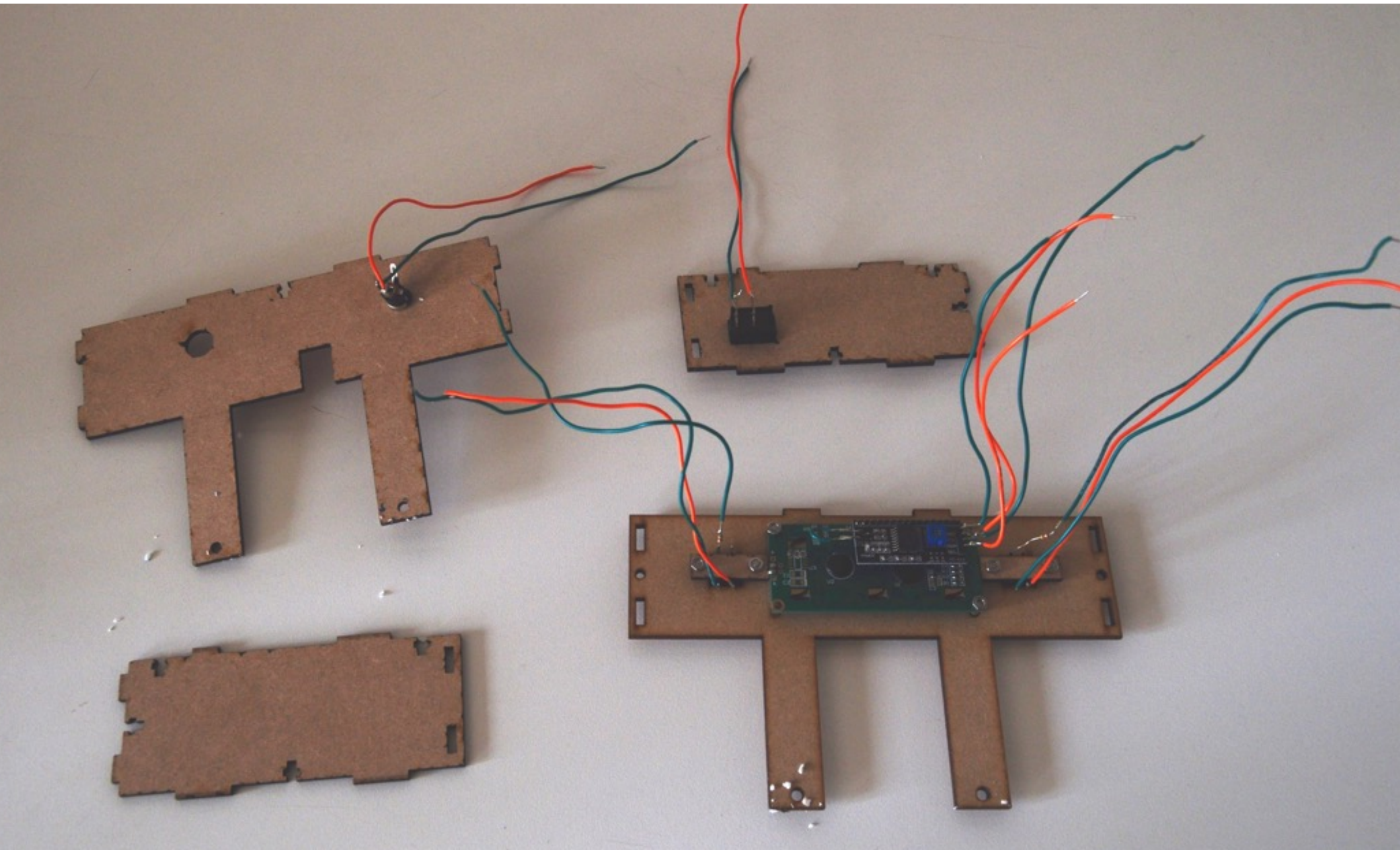


Mount the button with screws



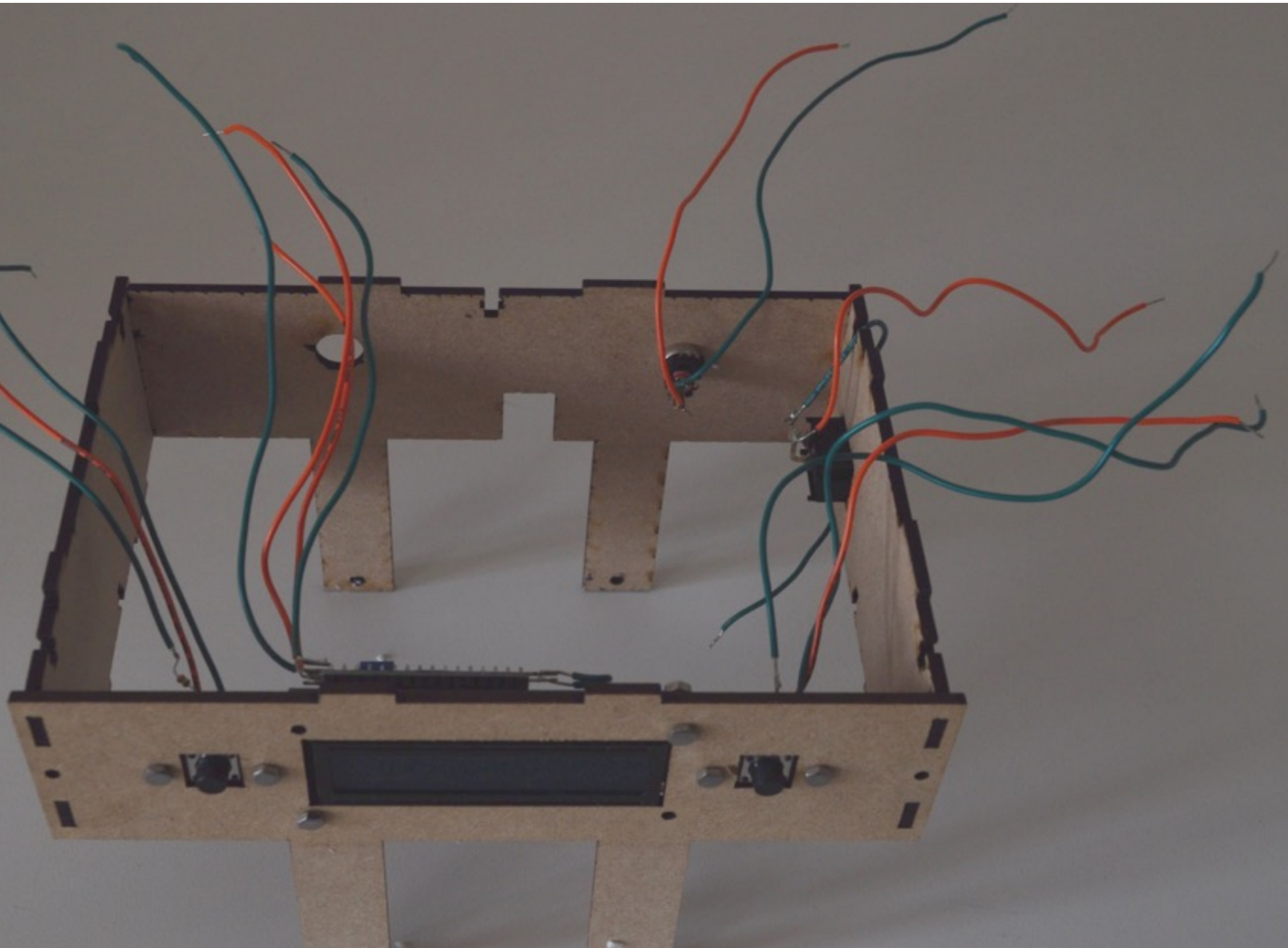


Mount components in the panels



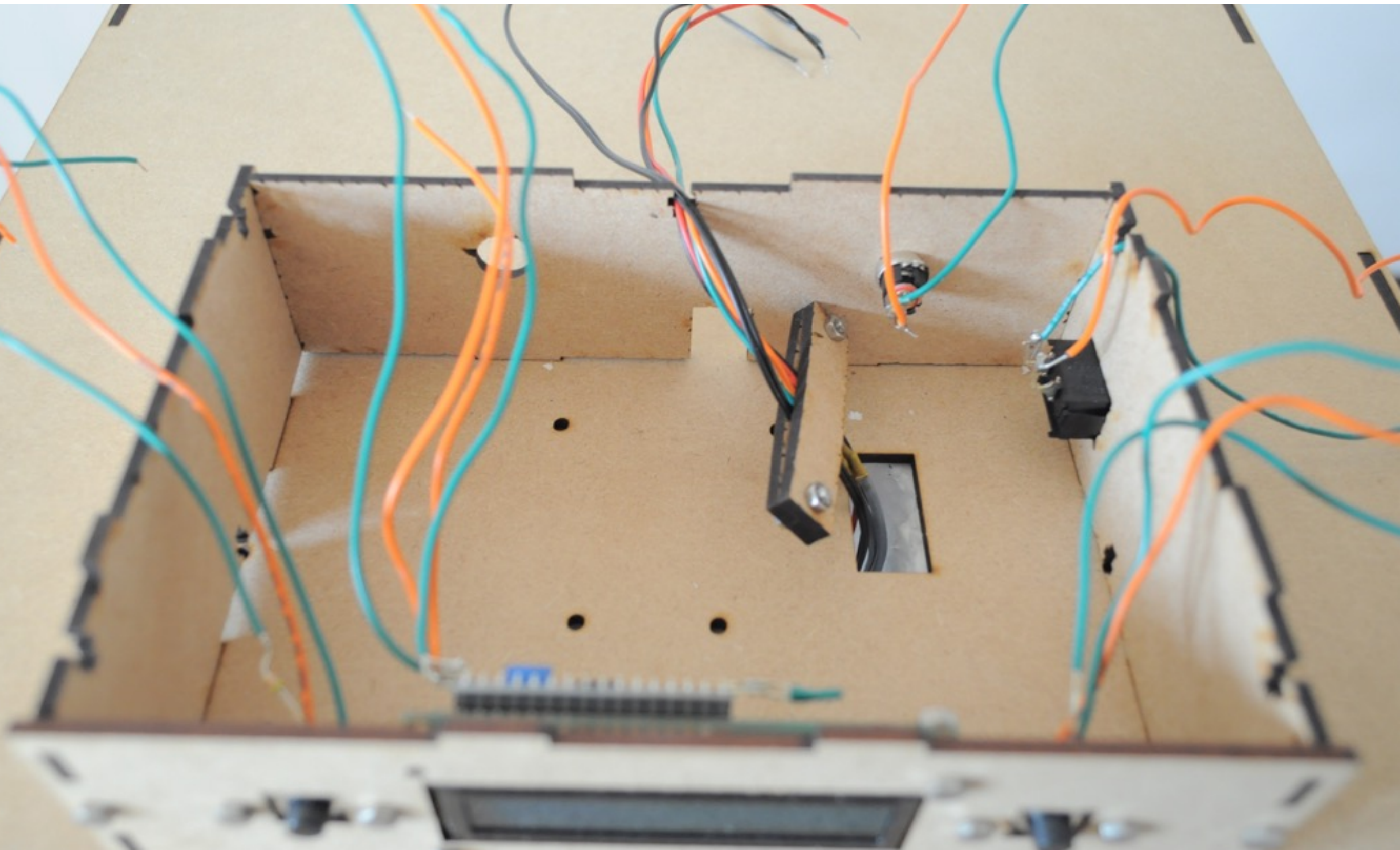


Assemble the controller box



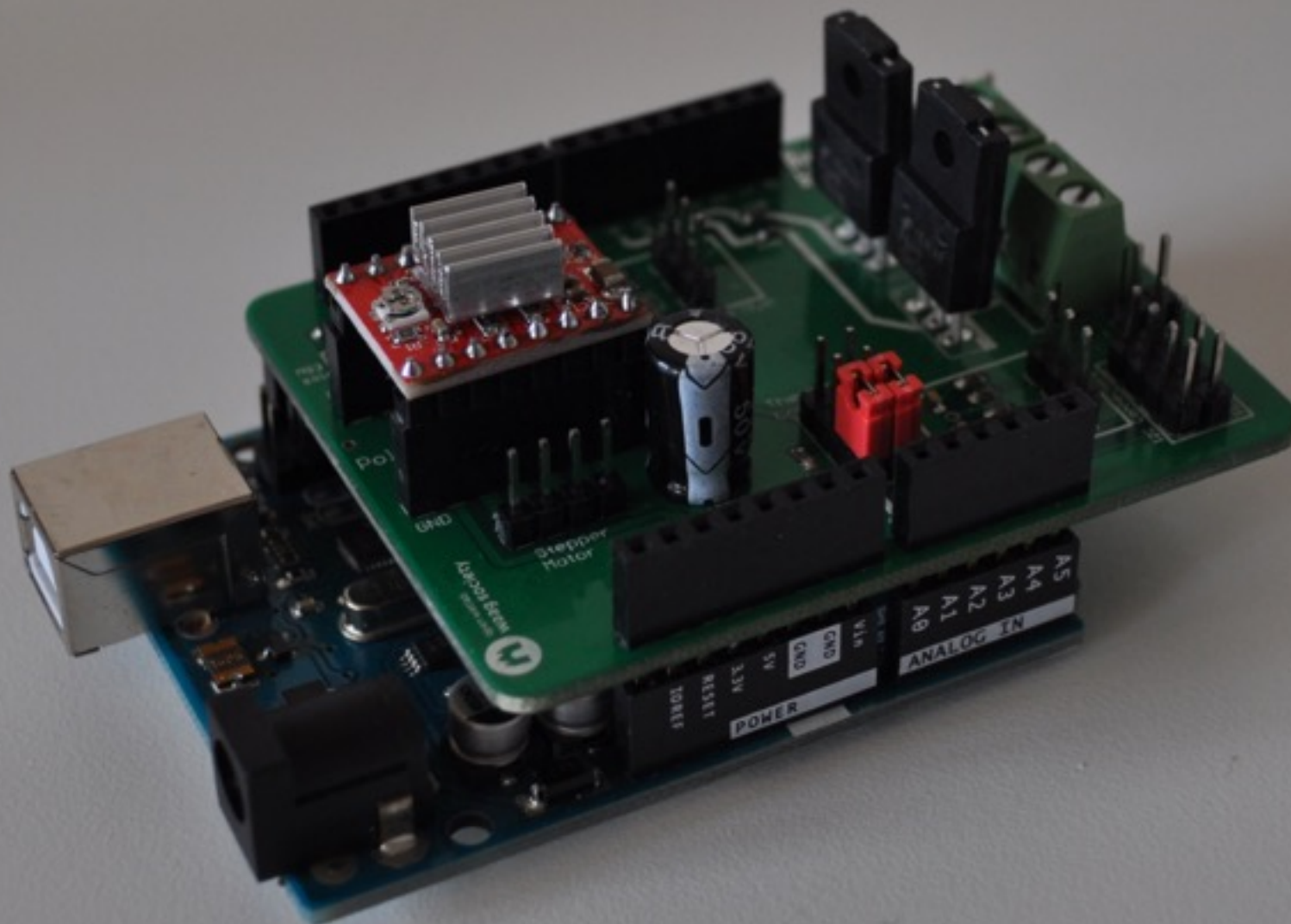


Put the controller box on top of the incubator



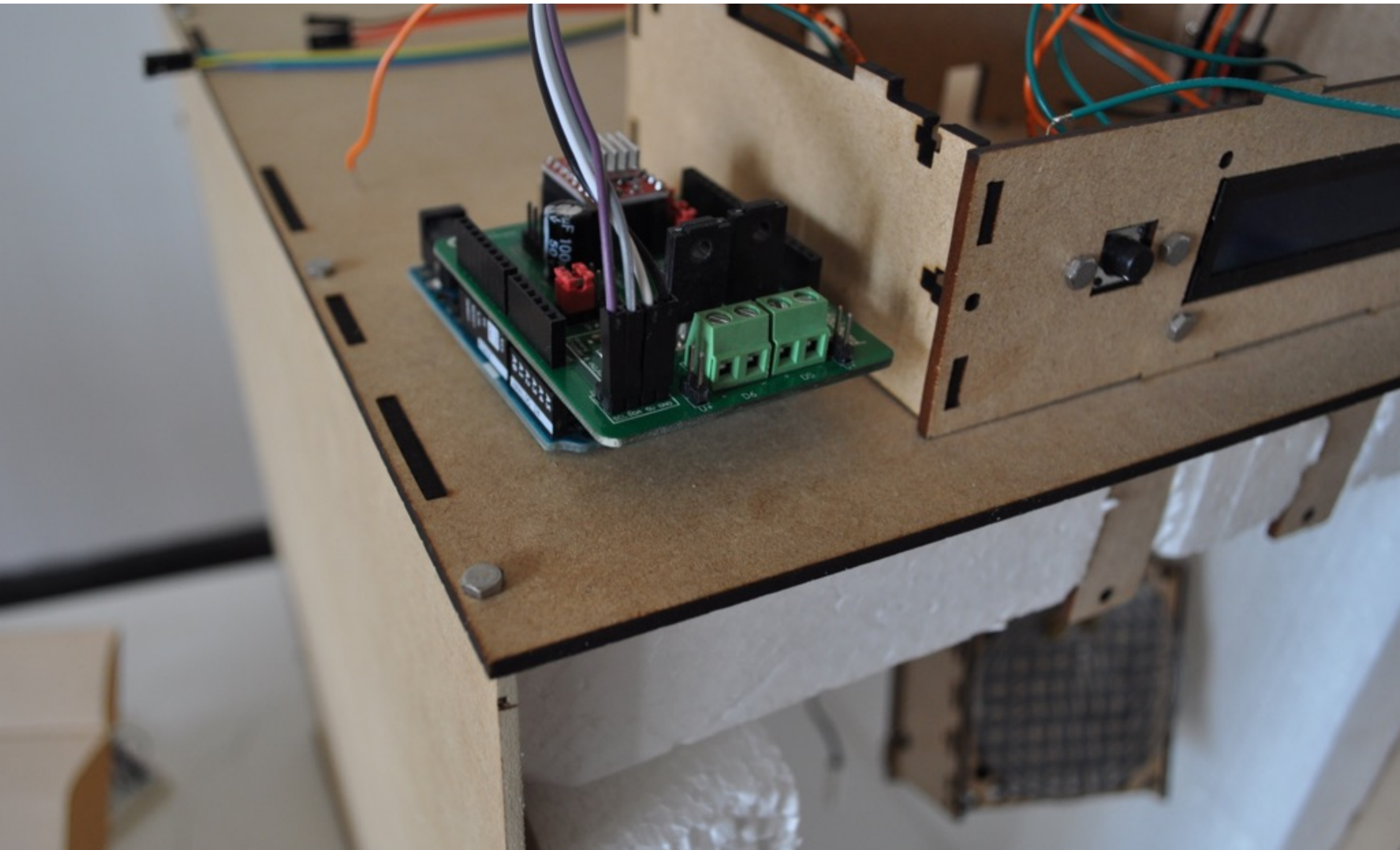



Stack the BioHack Board on the arduino

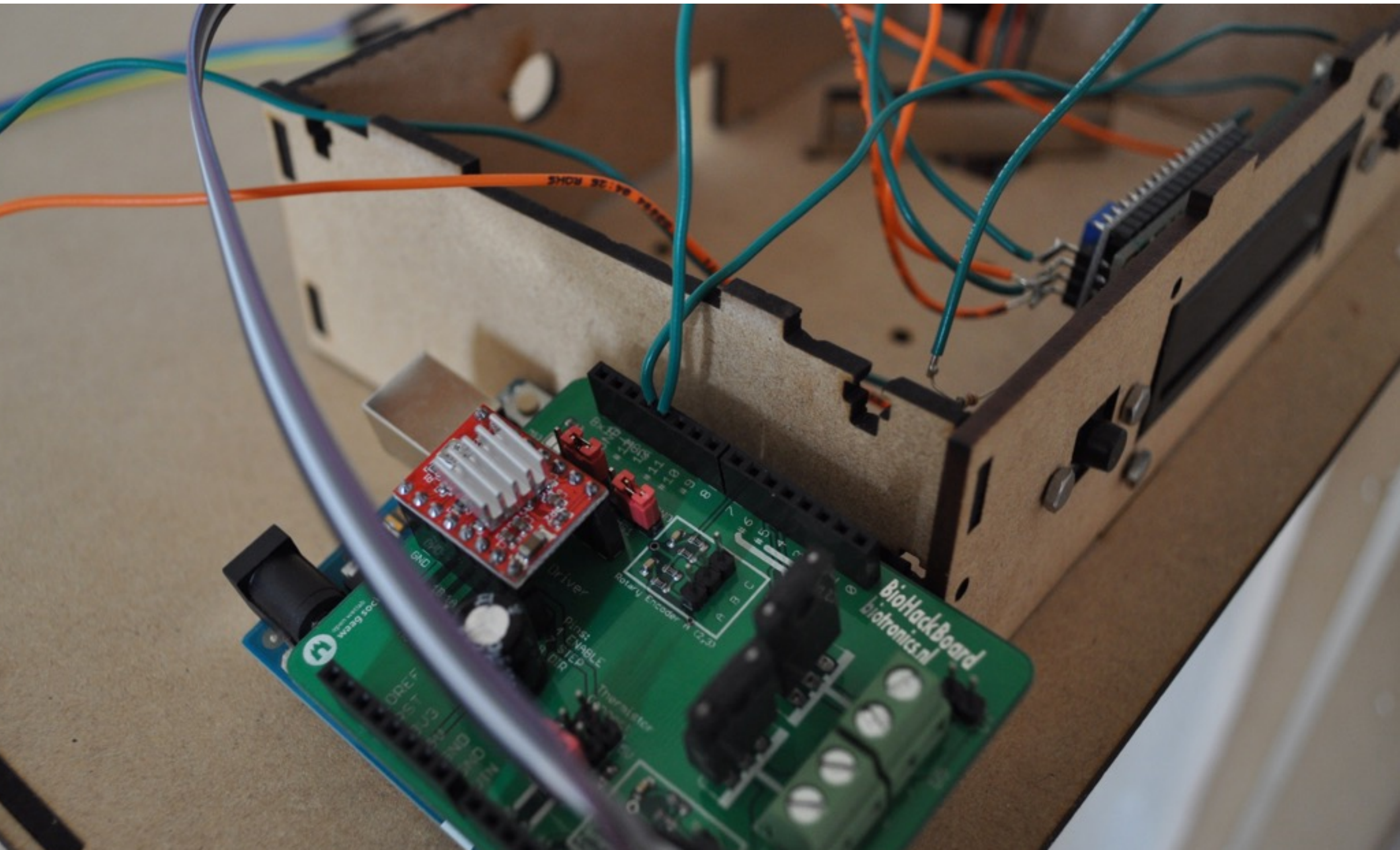




Connect the display to the I2C port

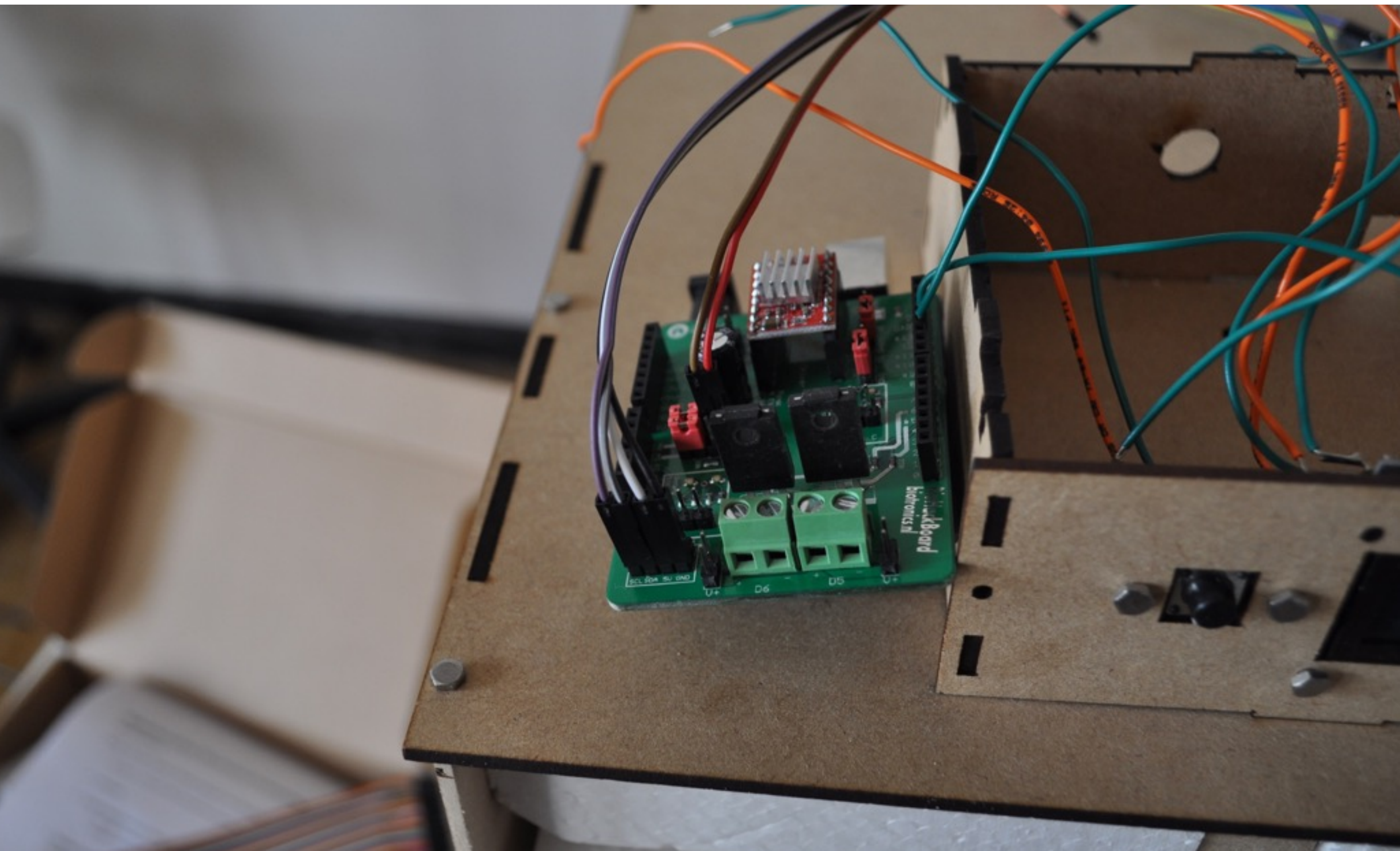


 Connect the buttons to pin 11 & 12





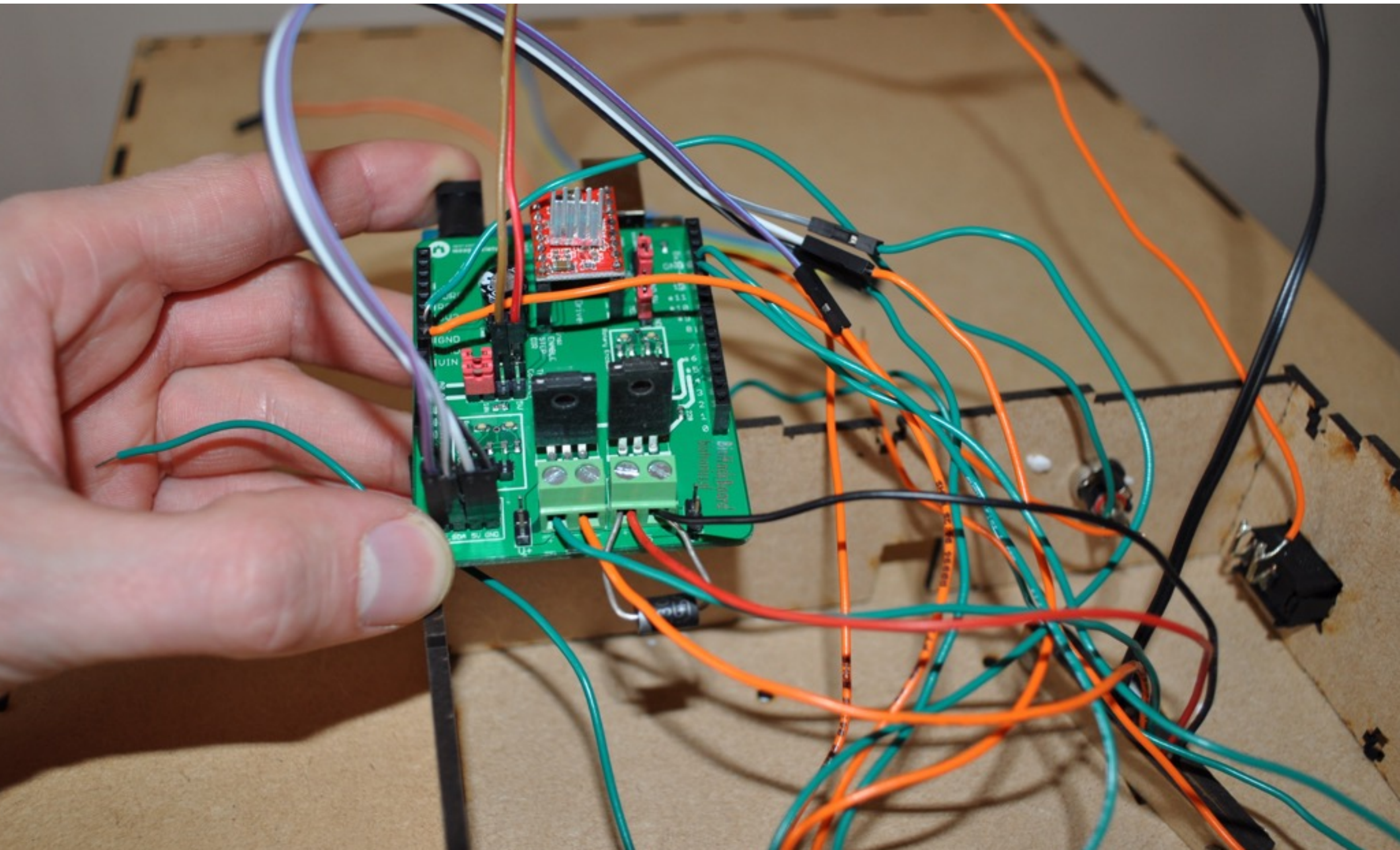
Connect the thermistor to A0





Connect the fan and heating foil to the mosfet

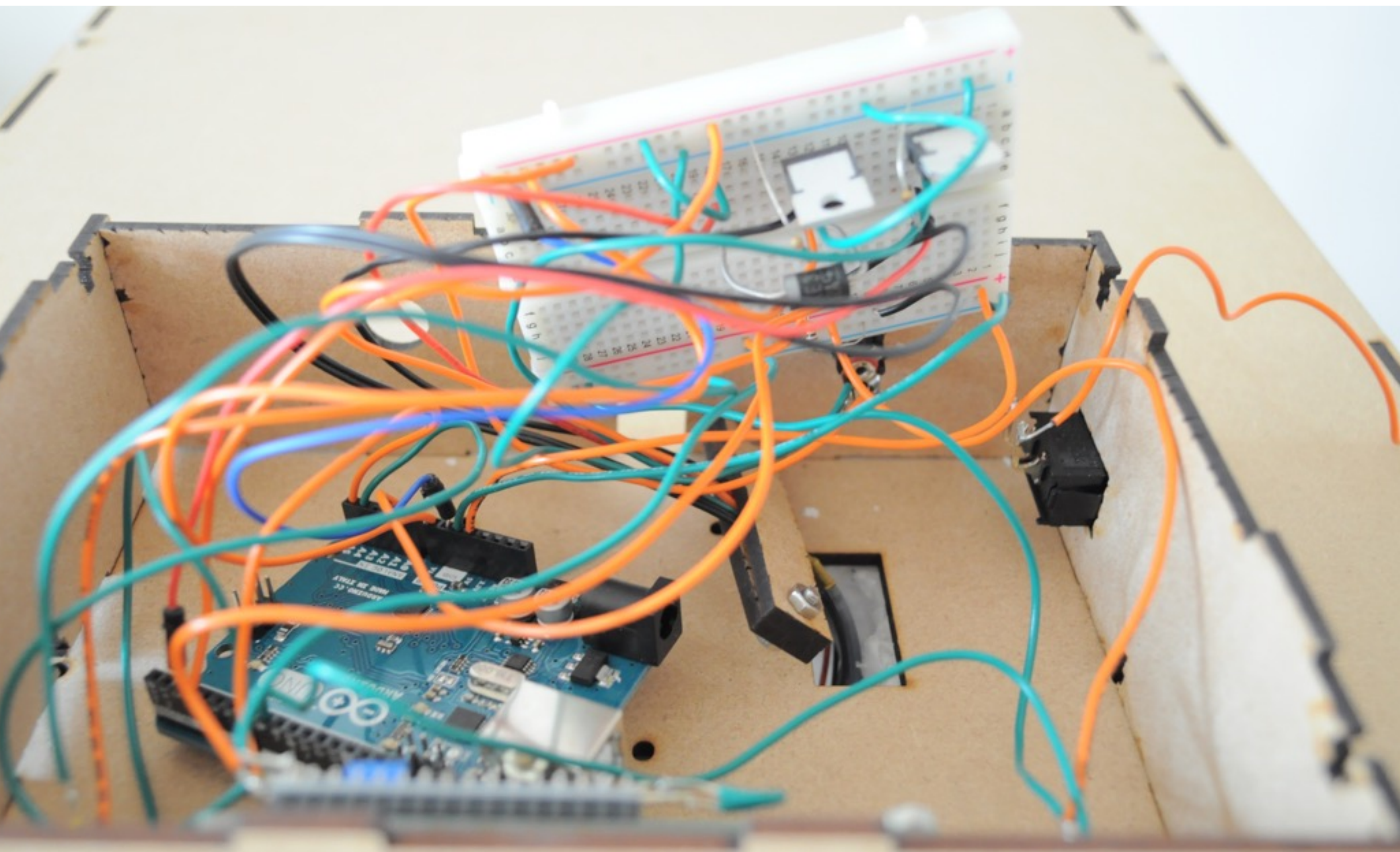
Don't forget to add the diode for the fan





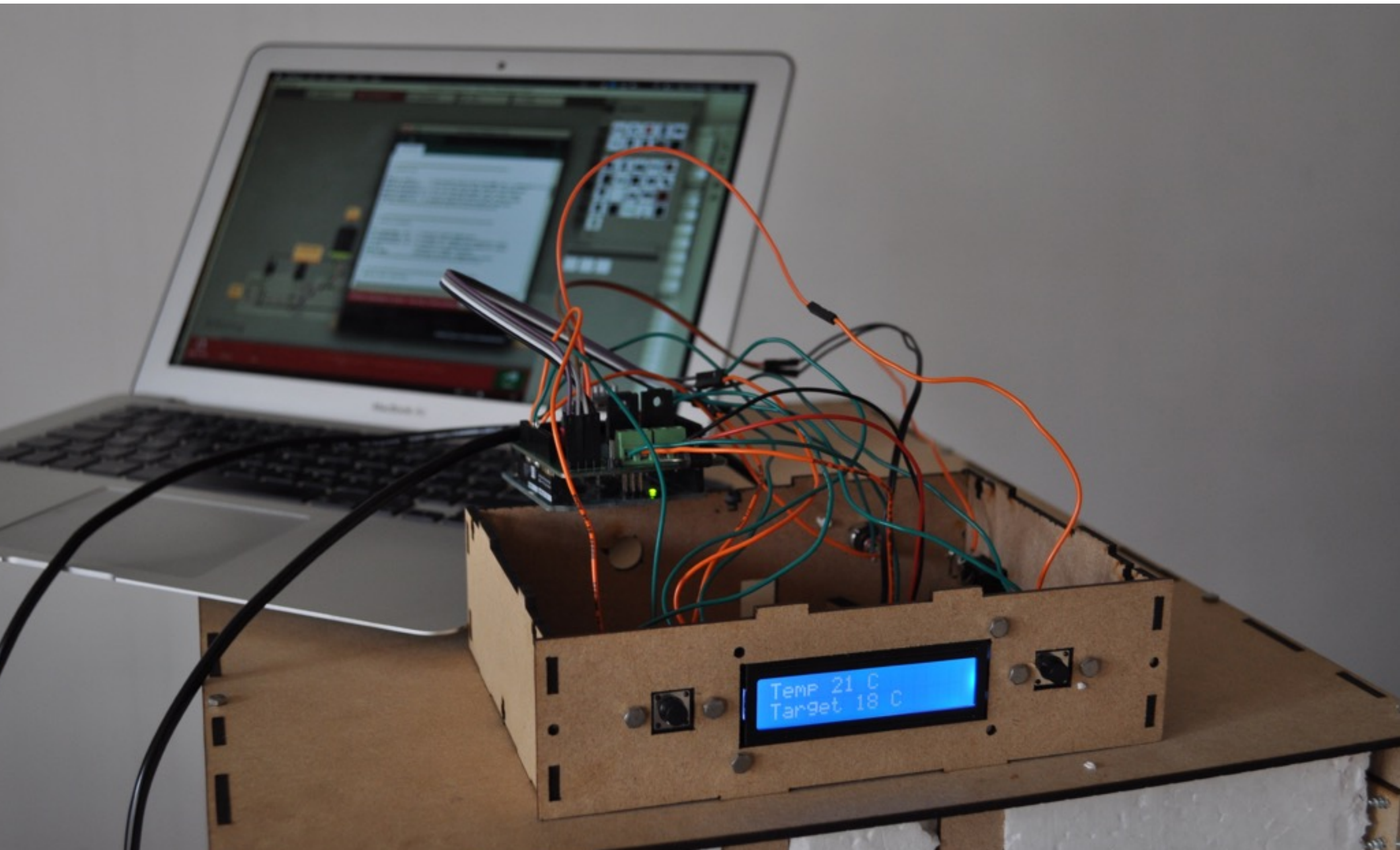
Alternatively do everything breadboard style

Without the BioHack Board





Upload the code to the Arduino





Done!





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