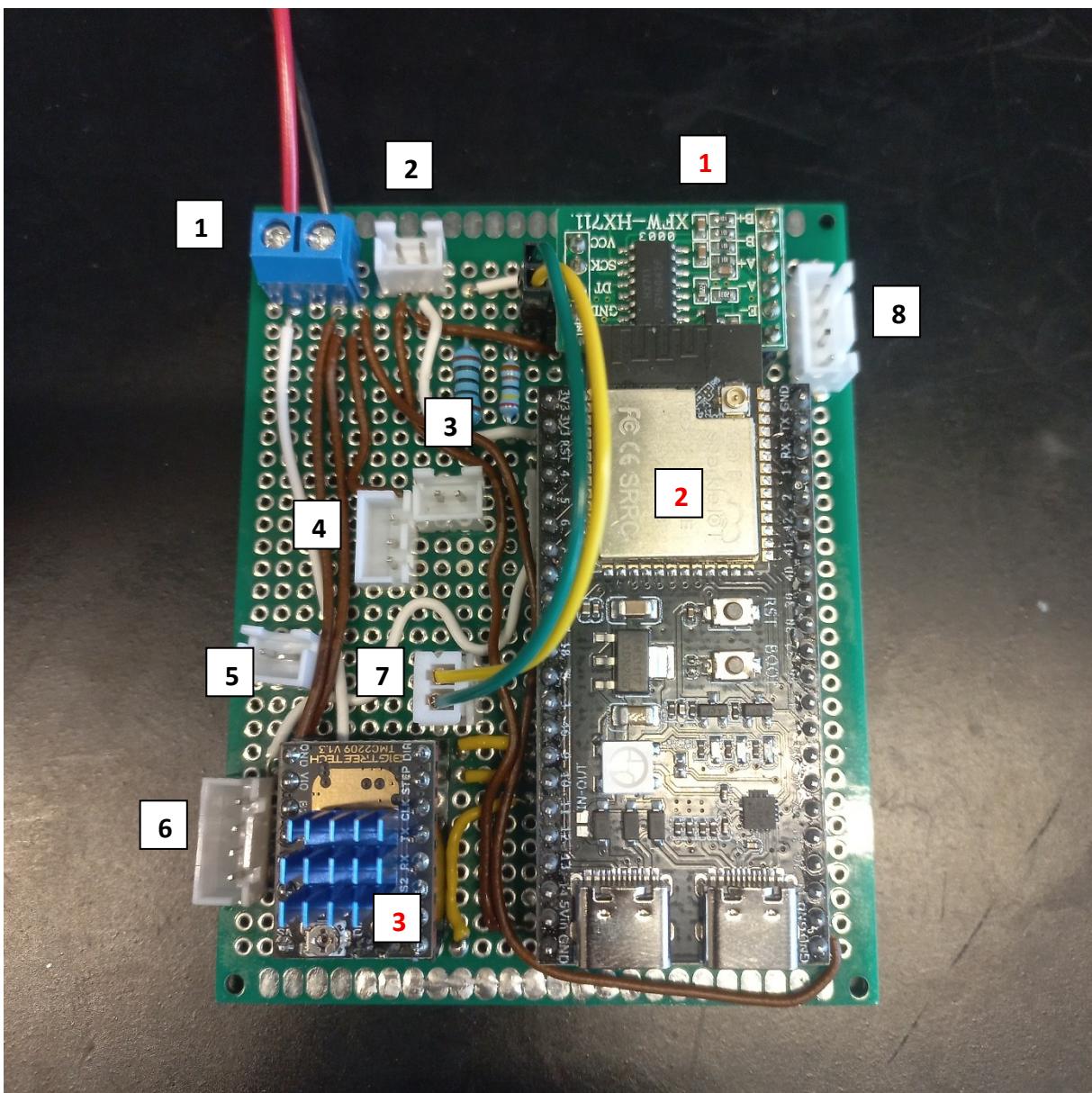


Pinout Perf Board



Connectors:

1	24V Powersupply
2	3,3V Powersupply MOSFETS
3	Connector NTC Thermistor
4	Connector MOSFET Gates and Filament Encoder
5	Connector 3,3V Powersupply Filament Encoder
6	Connector Stepper Motor
7	Connector HX711 (Data and Clock Pin)
8	Connector Load Cell

Devices:

1	HX711 Amplifier
2	ESP32 S3
3	TMC2209 Stepper Motor Driver

The powersupply for the ESP32 is the USB cable which is also necessary to send data to the GUI.