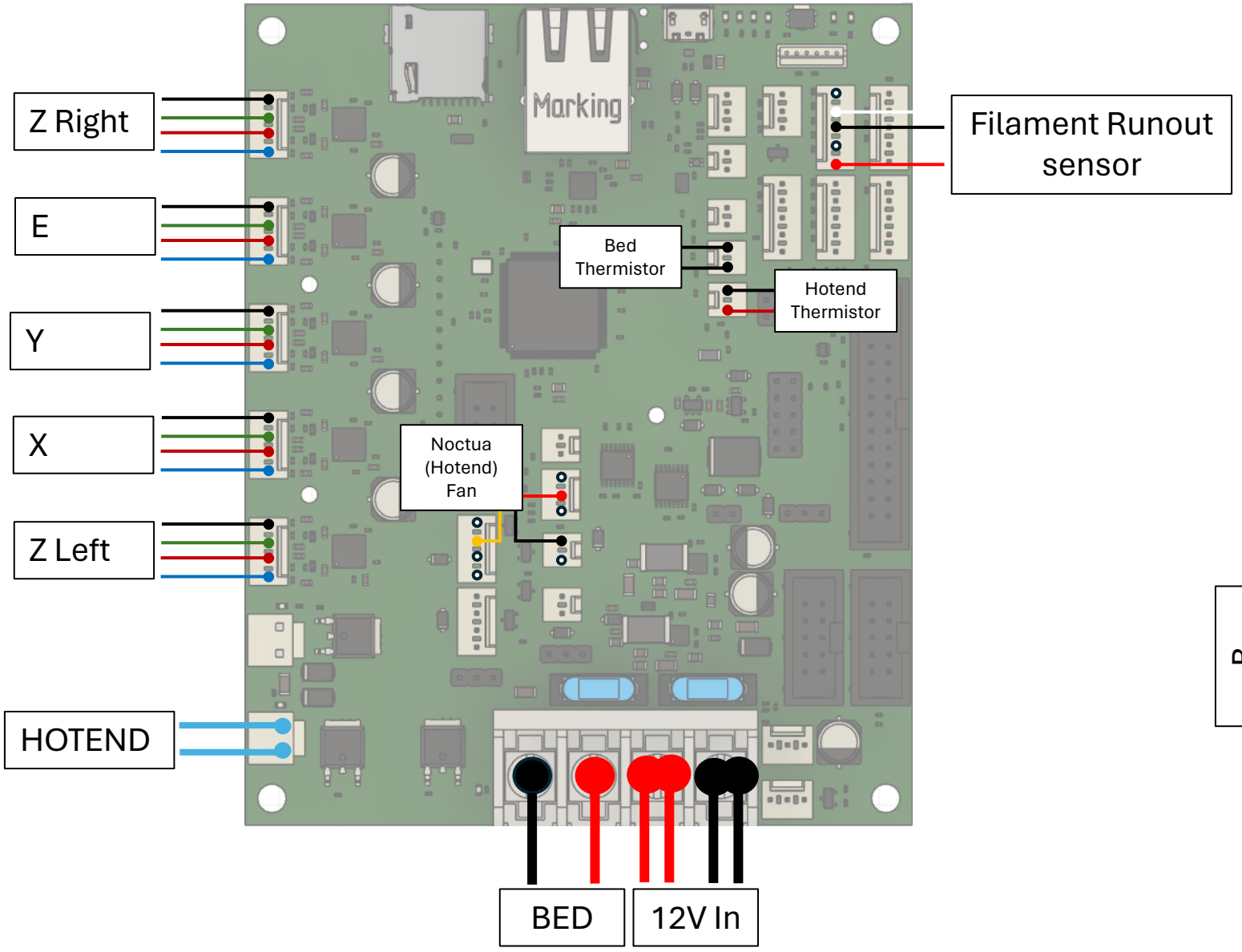
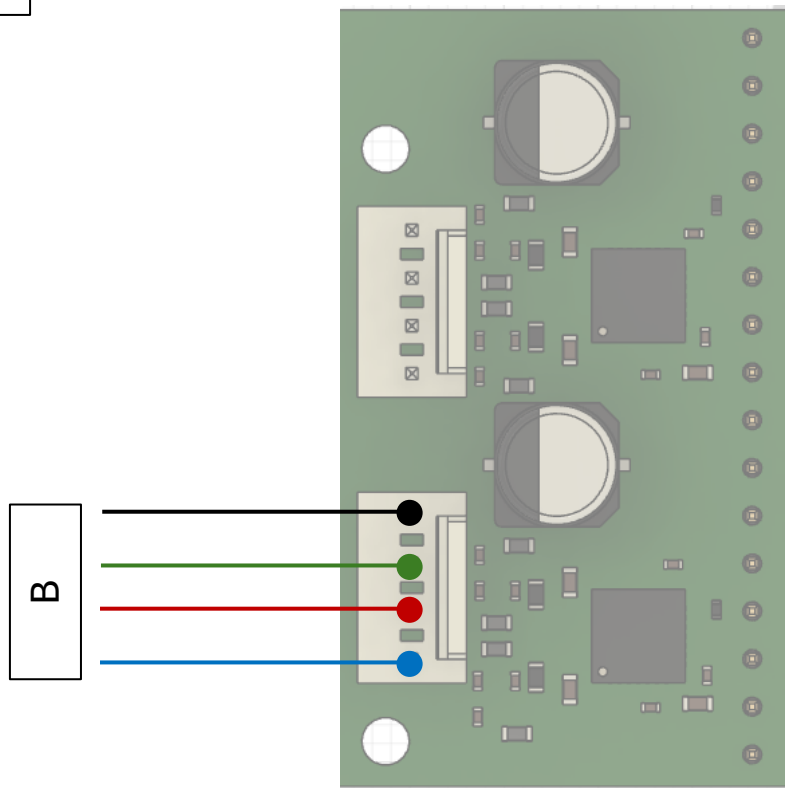
Unused Pin

Unused Pin – Double Connector

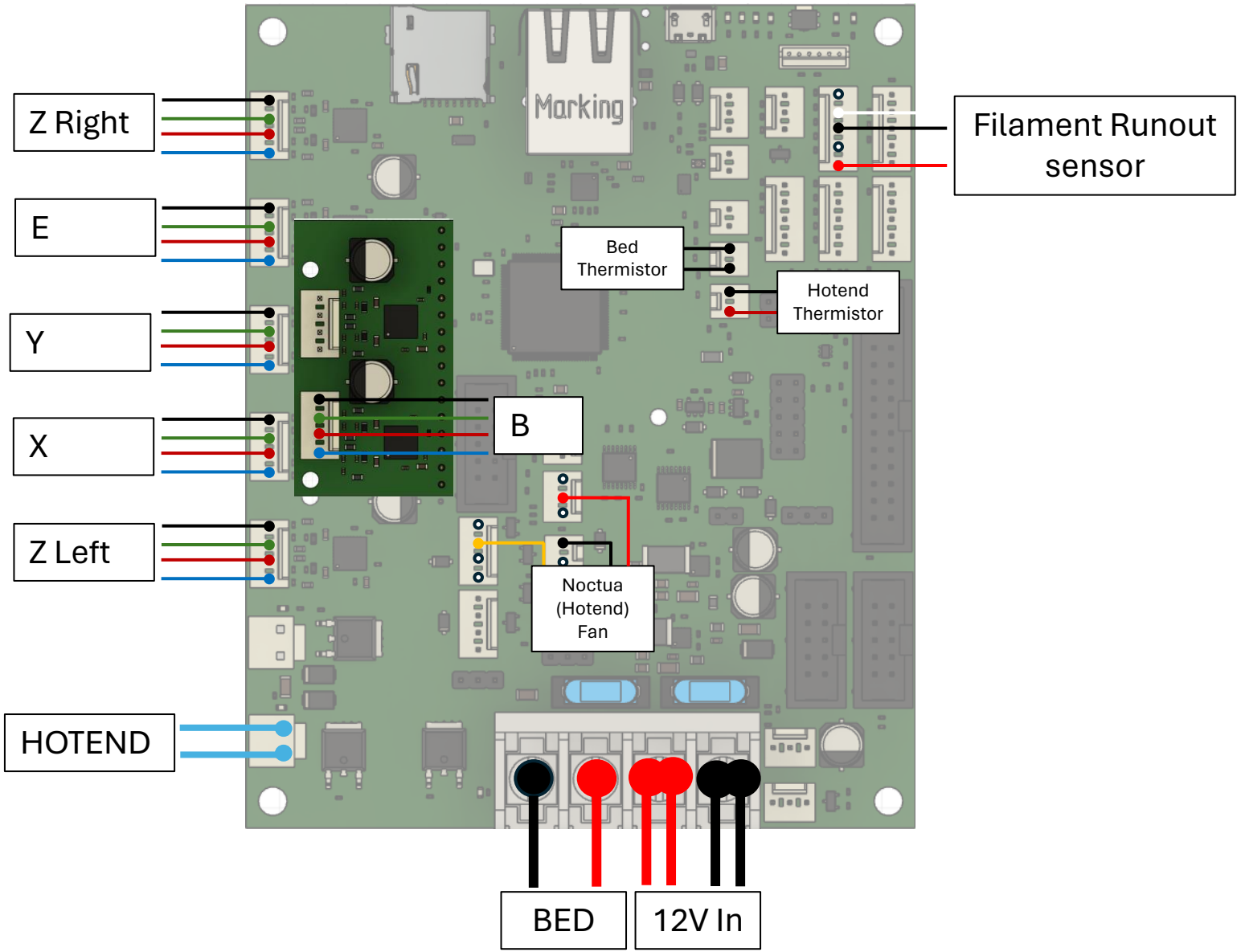
Duet 3 Mini 5+



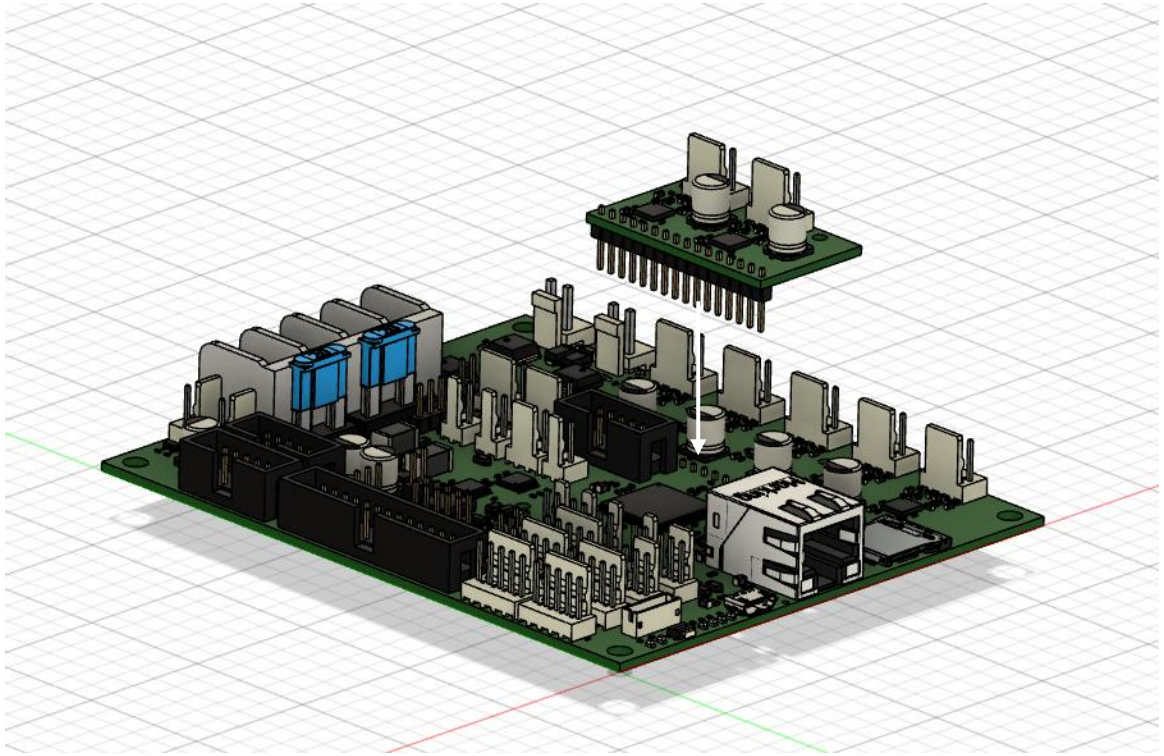
Duet 3 Mini 2+ Expansion Board

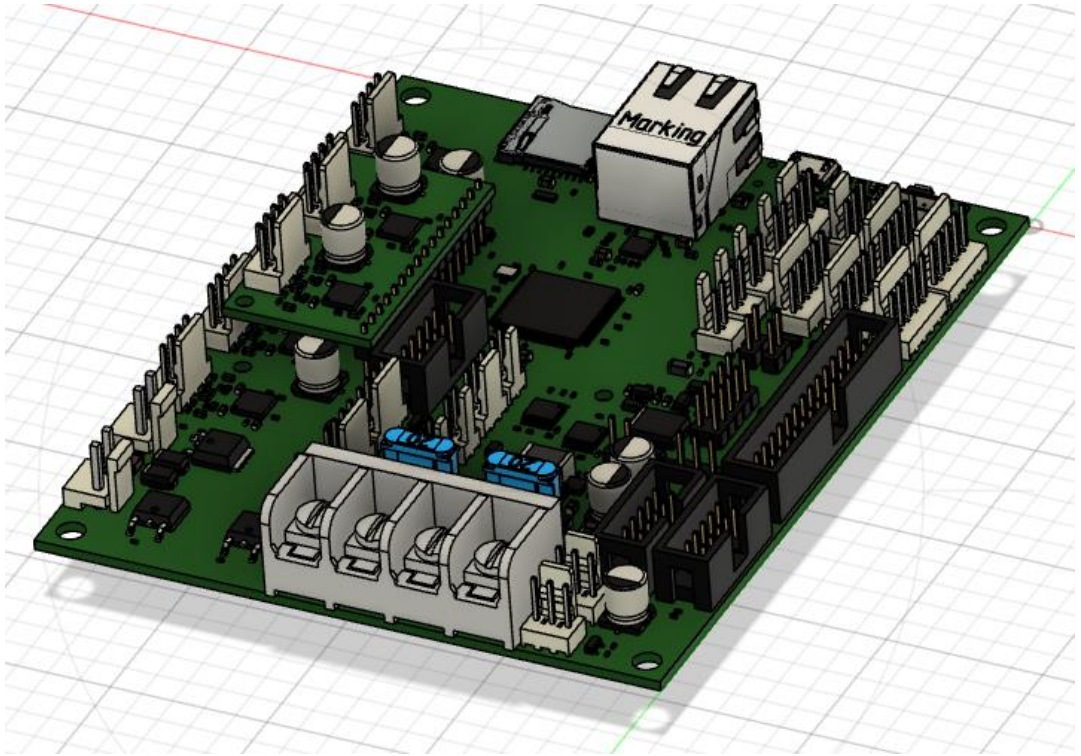


Duet 3 Mini 5+ with Duet 3 Mini 2+



Duet 3 Mini 5+ with Duet 3 Mini 2+ Connection





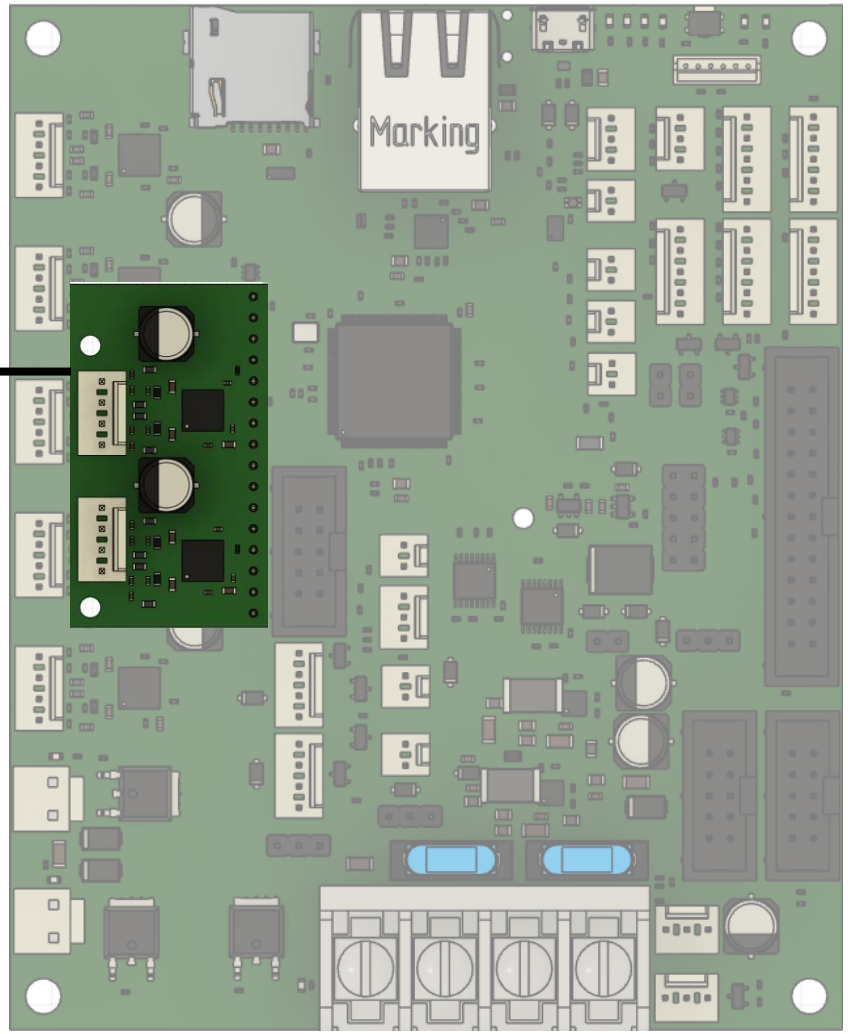
Stabilize expansion board with fasteners provided

Wiring Steps

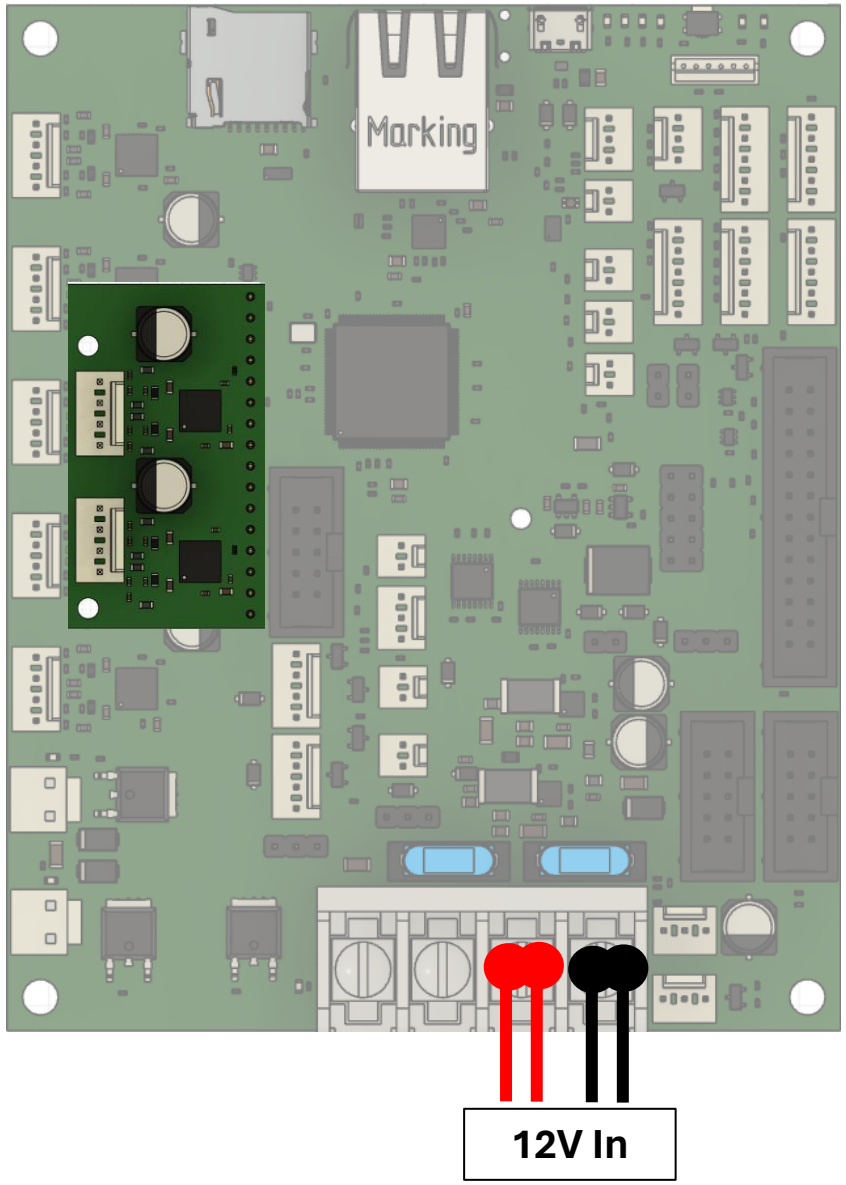
The following instruction assumes all wires have been adapted to contain the correct adapters provided by duet, follow the instructions on https://www.duet3d.com/duet3mini5plus to ensure correct connections are made.

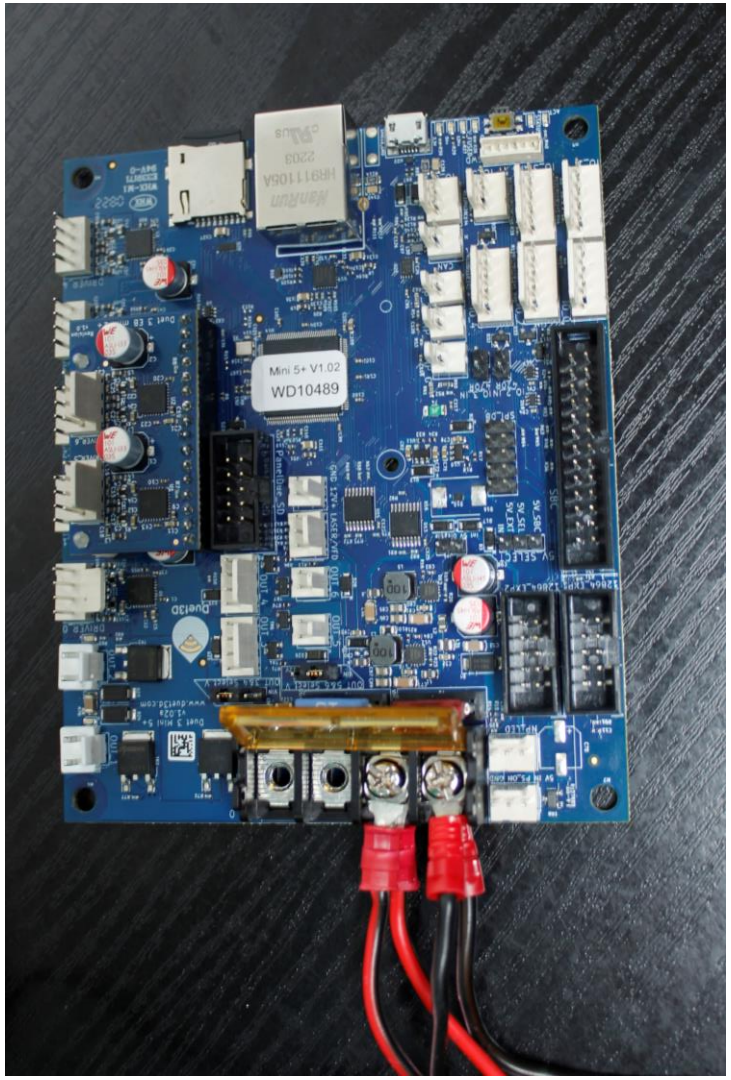
1. Connect the Duet 3 mini 2+ expansion board to the Duet 3 mini 5+ control board

Duet 3 mini 2+

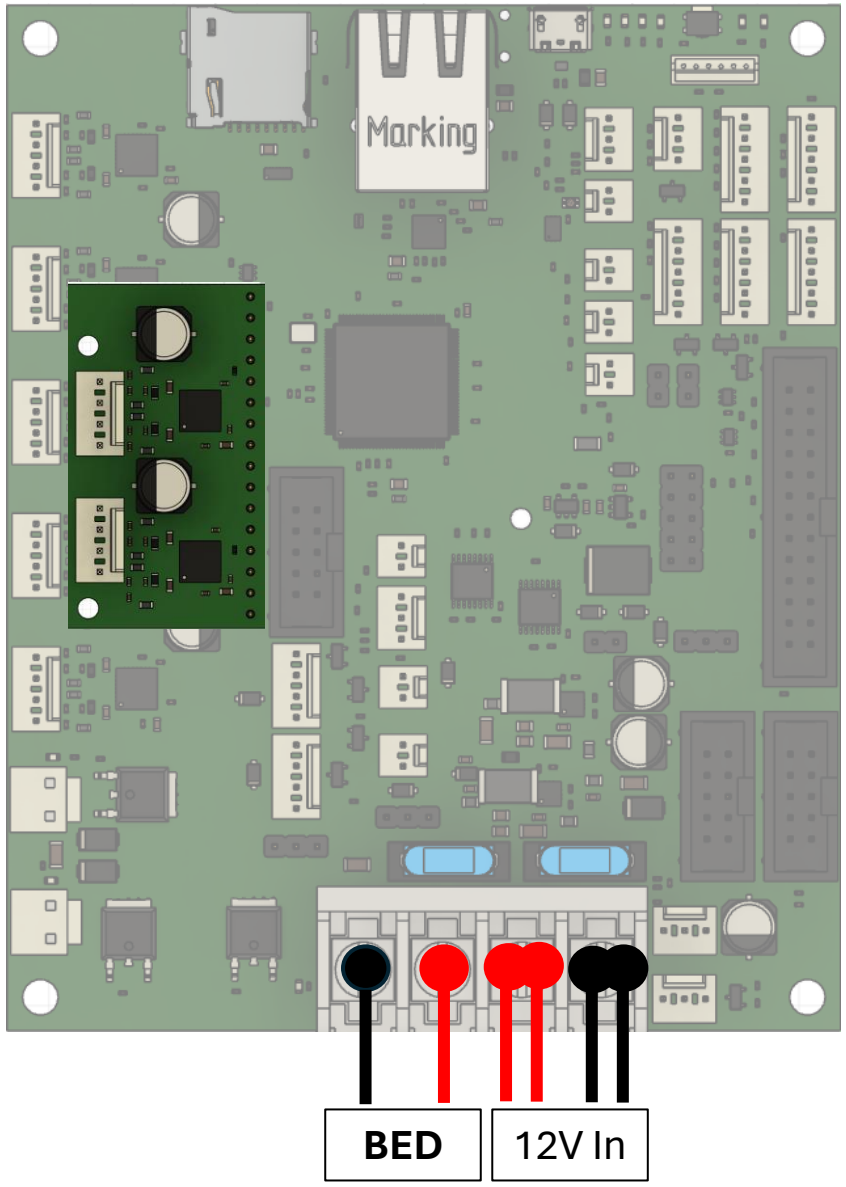


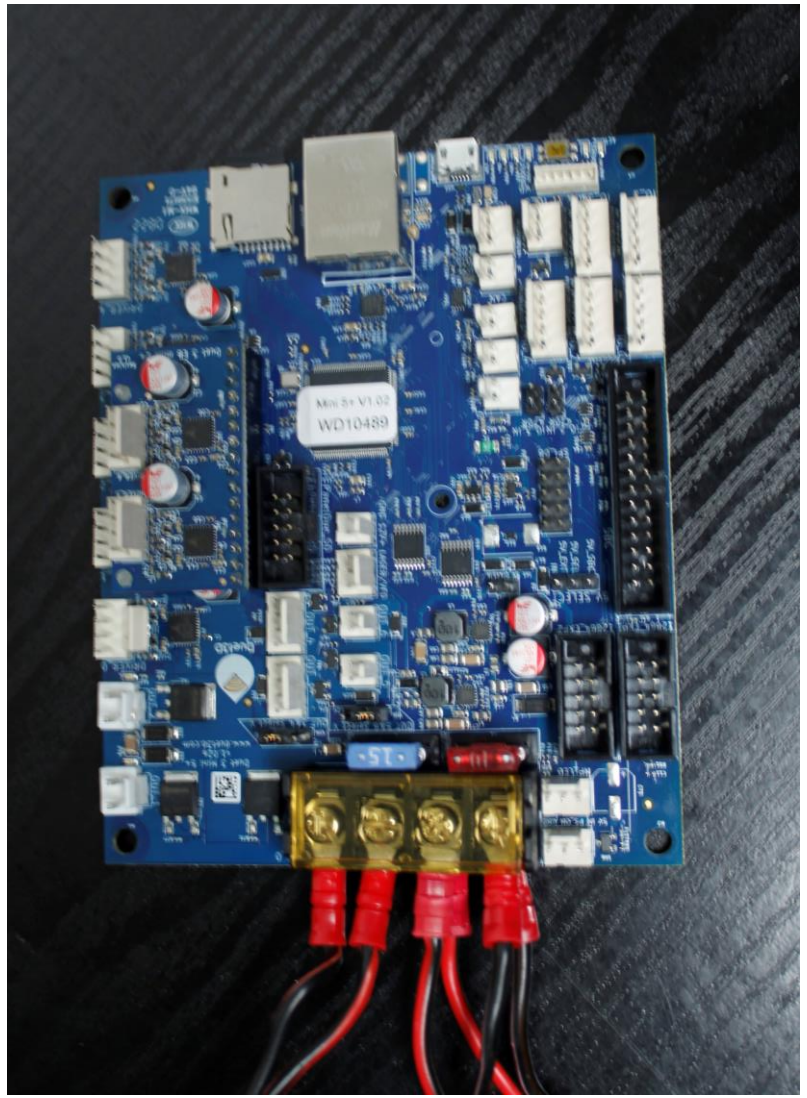
2. Screw in the voltage supply in the correct terminals as shown – *indicating labels are on the duet board*



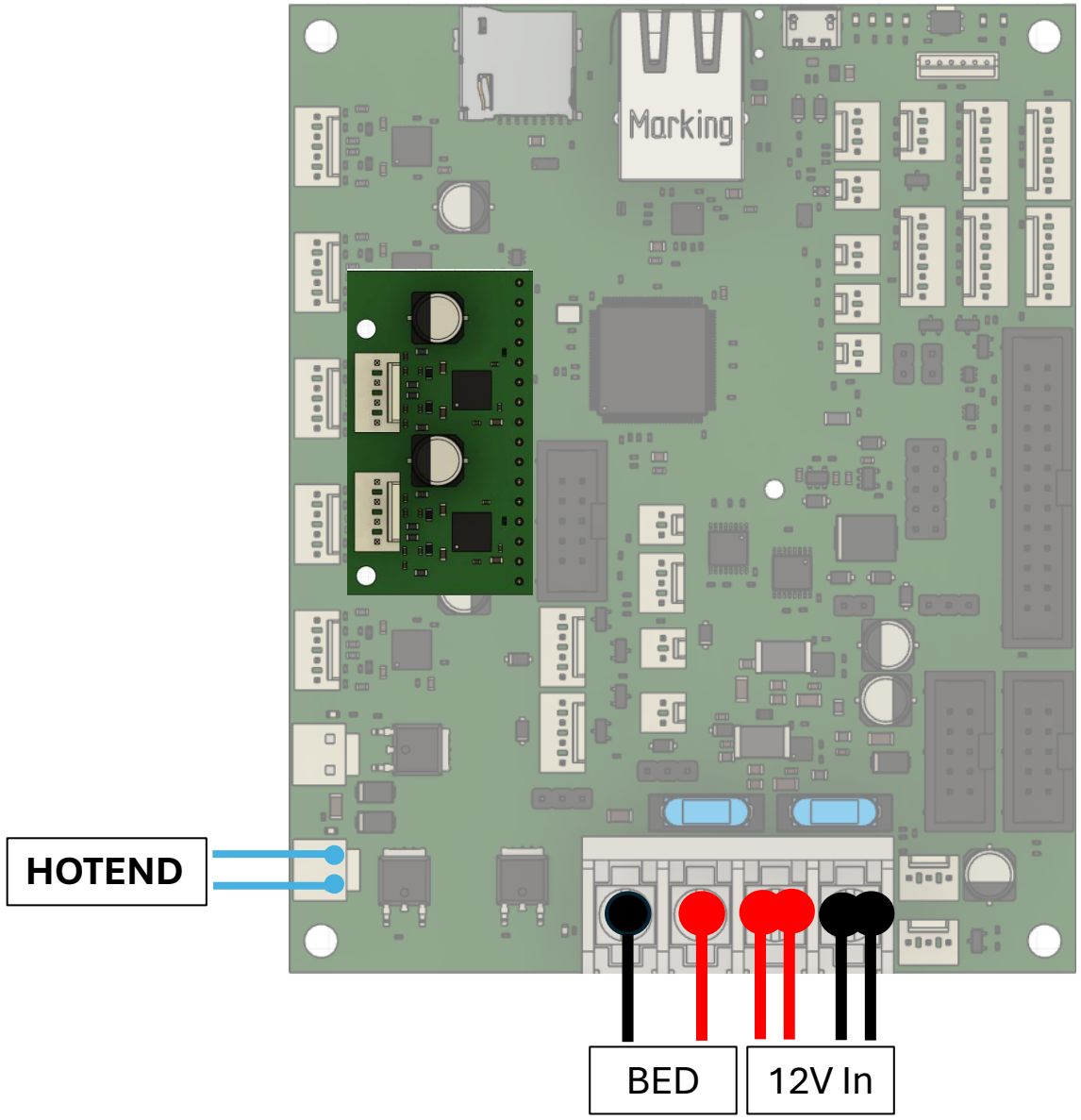


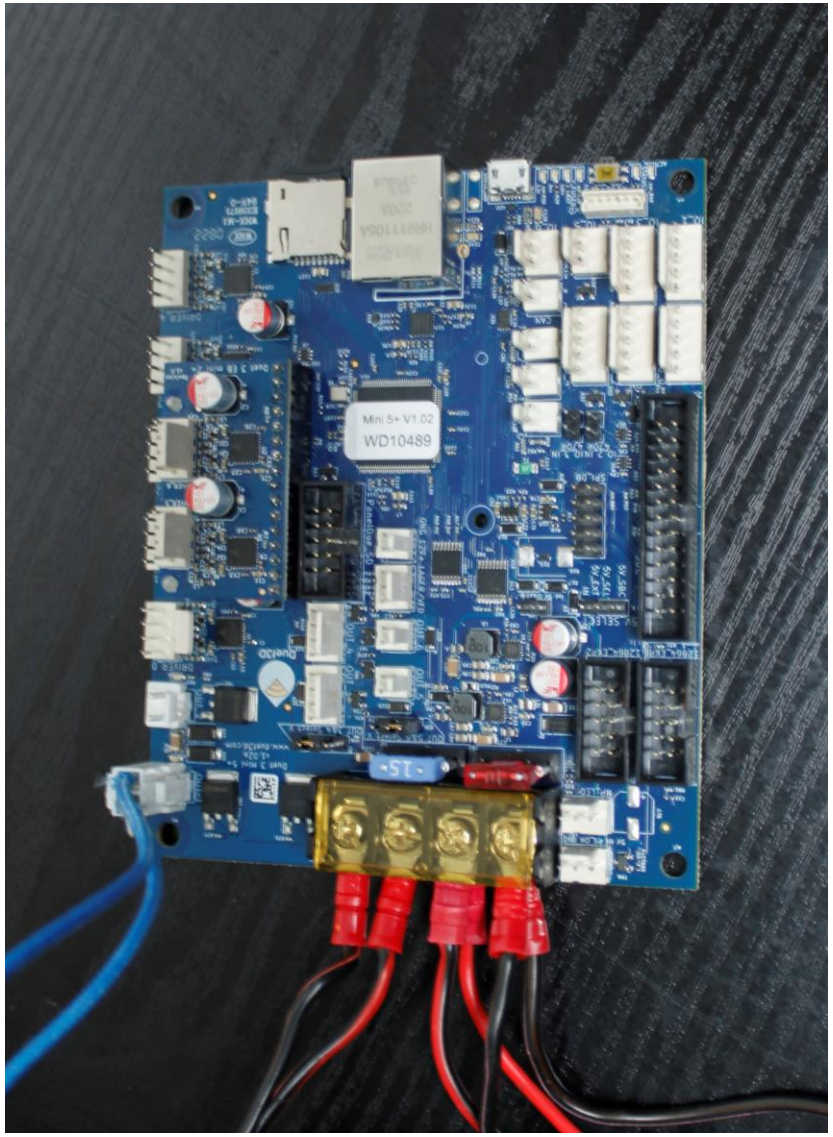
3. Screw in the print bed supply in the correct terminals as shown (this is used to heat the bed up) – *indicating labels are on the duet board*



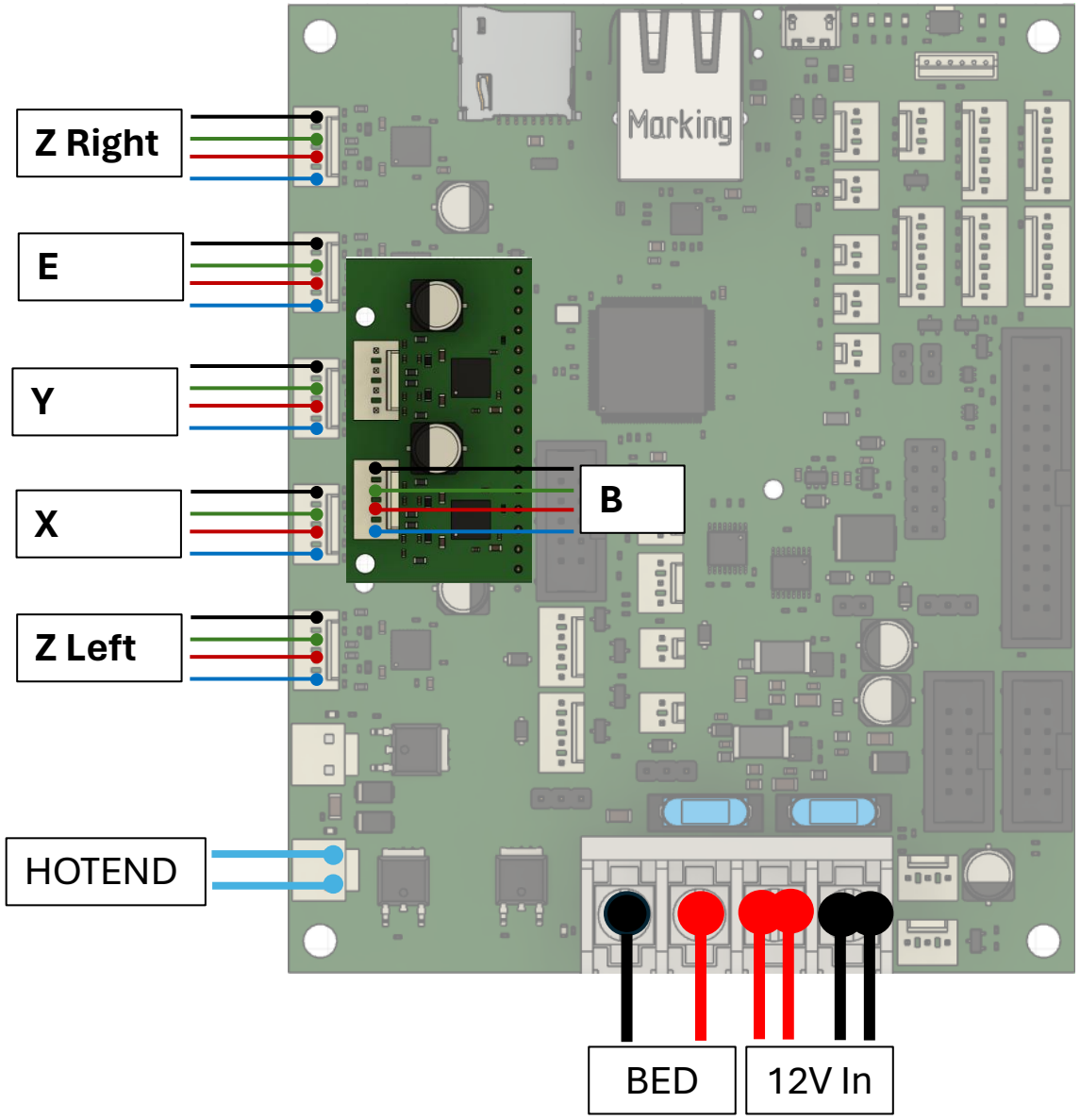


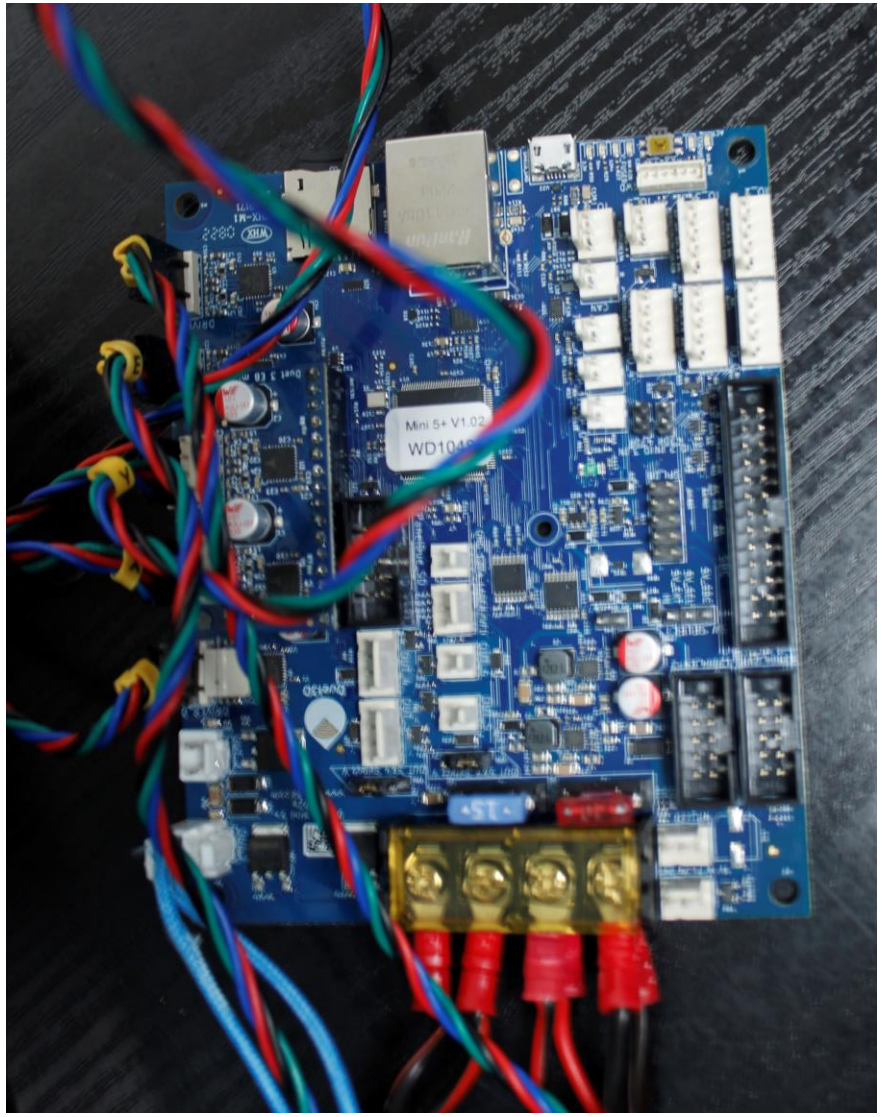
4. Add hotend connection (this supplies current to the hotend which heats up the nozzle)



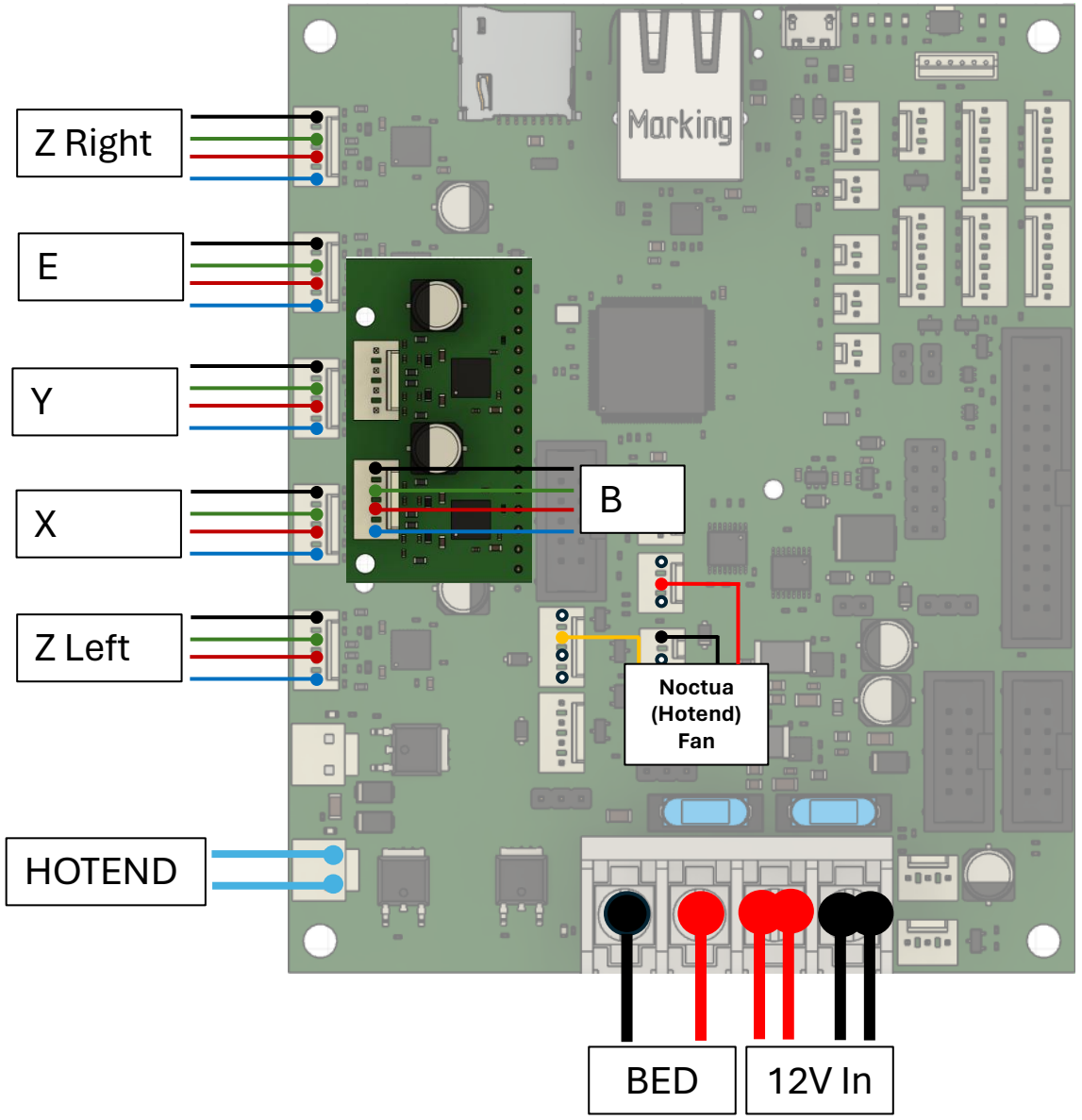


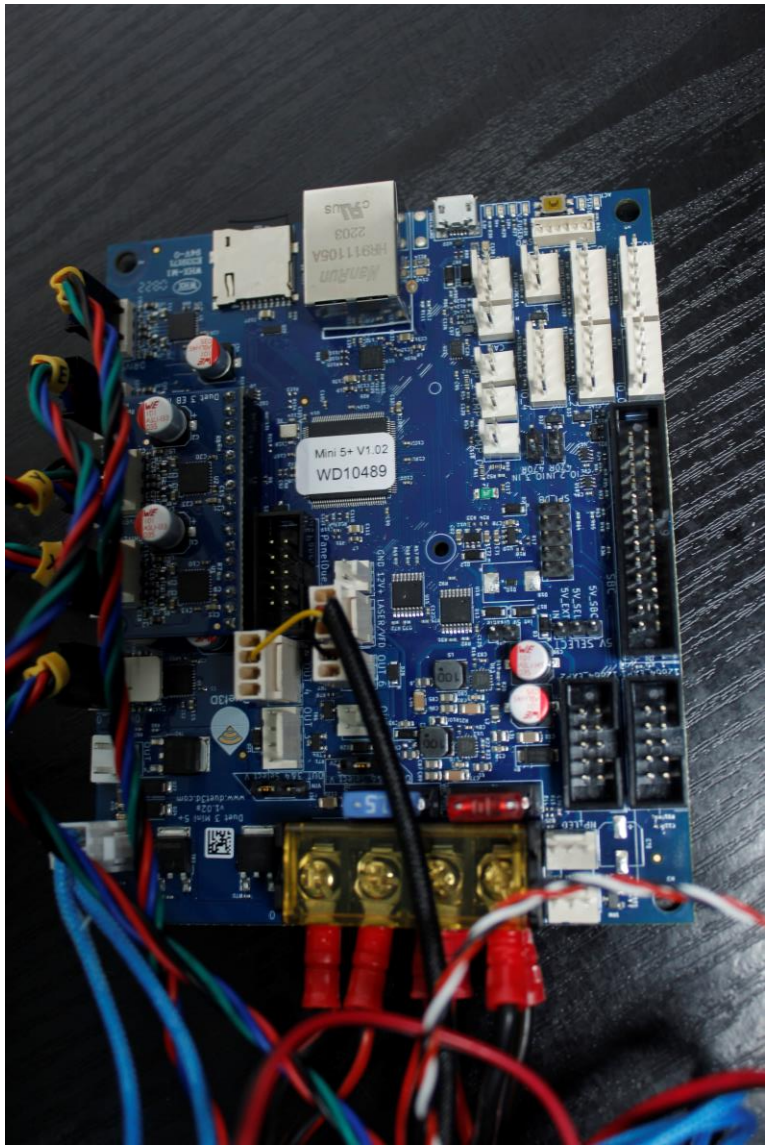
5. Add all stepper motor connectors into the correct drivers, ensure colour positioning is as shown – common error: mixing up Z motors



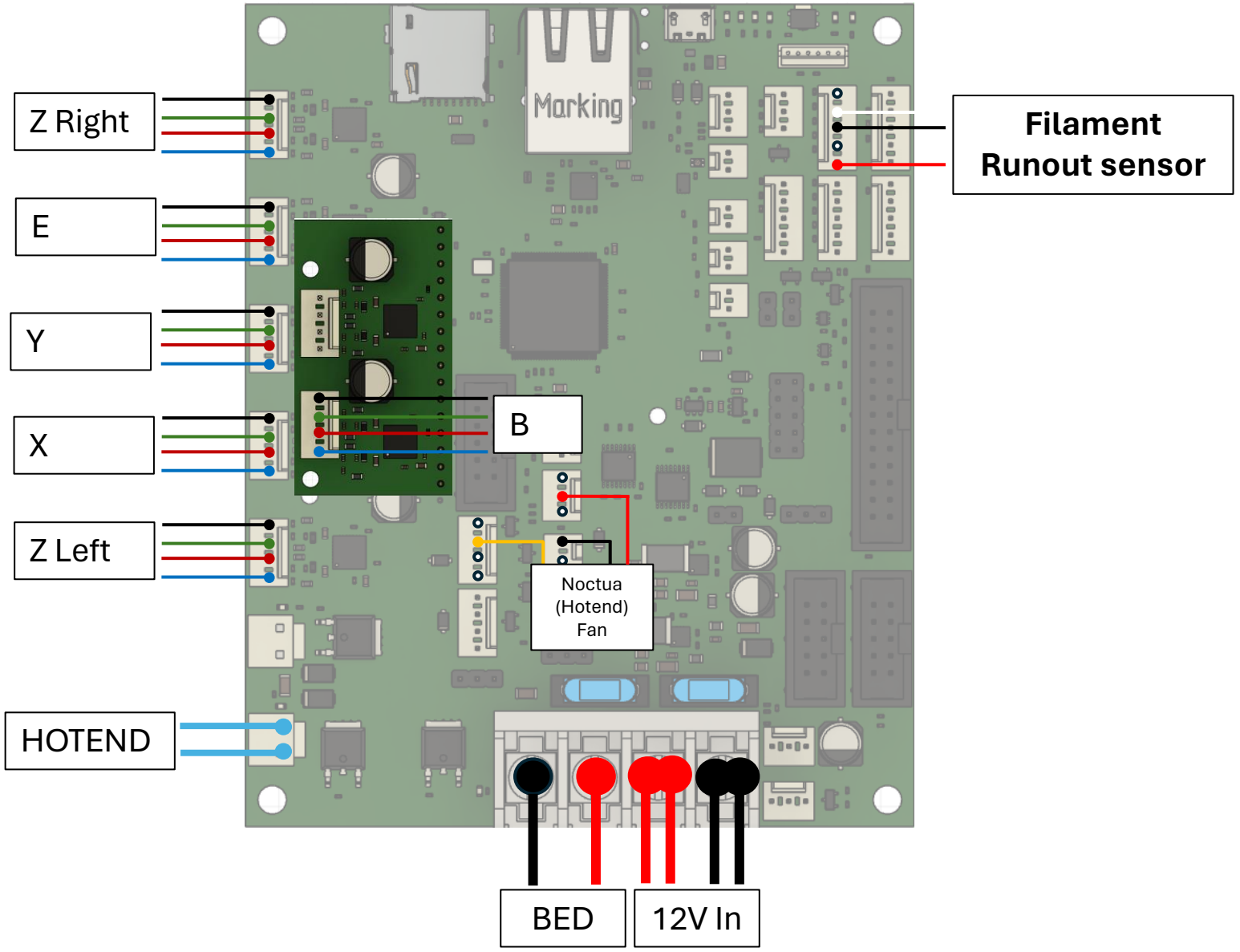


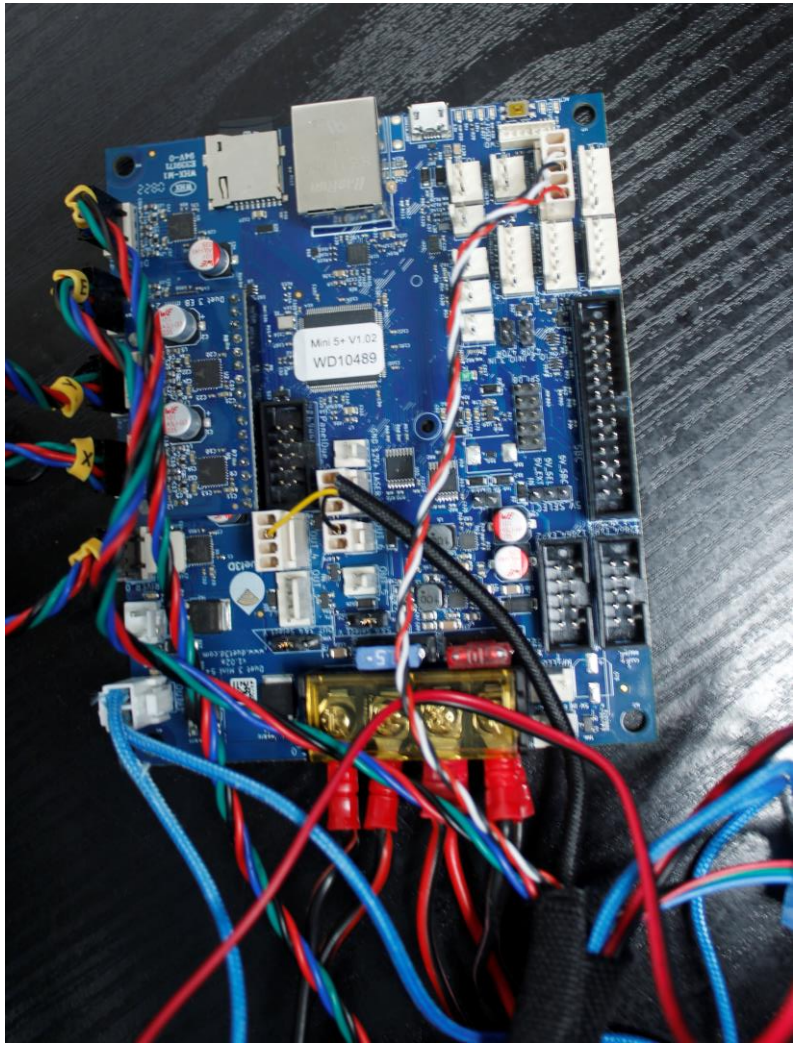
6. Connect Noctua fan into connections as shown, *taking 5V from different connection on the board and connecting the spare tacho wire (yellow) to one of the techno connectors to ensure fan speed is controllable*





7. Connector Filament Runout sensor as shown





8. Connect Bed thermistor and hotend thermistor as shown

Wiring is Complete