

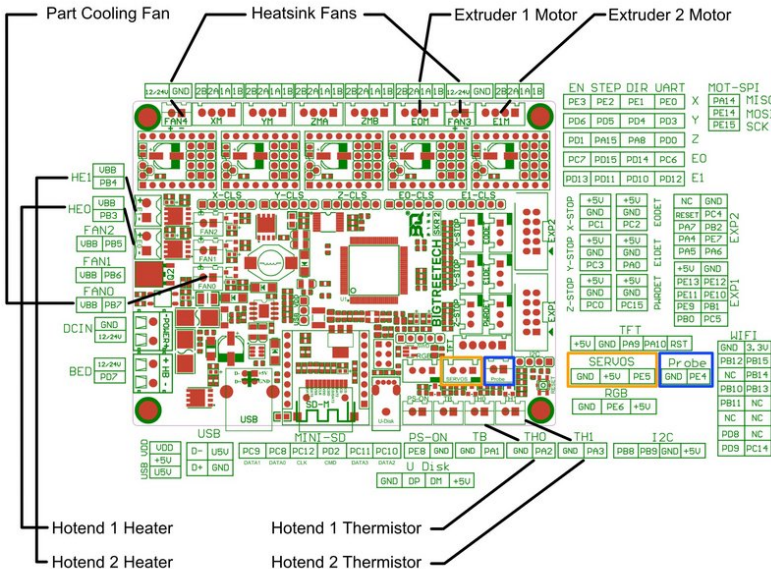
Makertech

Stage 04: Wiring

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Dual Switching Hotend v2 Wiring Guide

Below we have an example of what wiring the Dual Switching Hotend would look like. The board used in the example is the new SKR 2.0. This is the same control board used in the Proforge 3.



Servo

The servo cables should connect to GND (Brown), +5V (Red), Signal/PE5 (Orange).

If your board doesn't have a dedicated place for a servo, make a note of the signal line you connect to. This can then be entered into your firmware.

Probe

The brown cable from the probe should plug into a +24V rail.

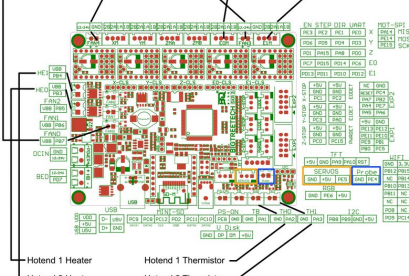
The Blue cable should connect to ground (GND) and the black cable should connect to signal (PE4).

Again if your board doesn't have a dedicated position for a probe, connect to an alternative signal line and make a note of its number to then be entered into your firmware later.

Step 1 — Wiring

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Probe

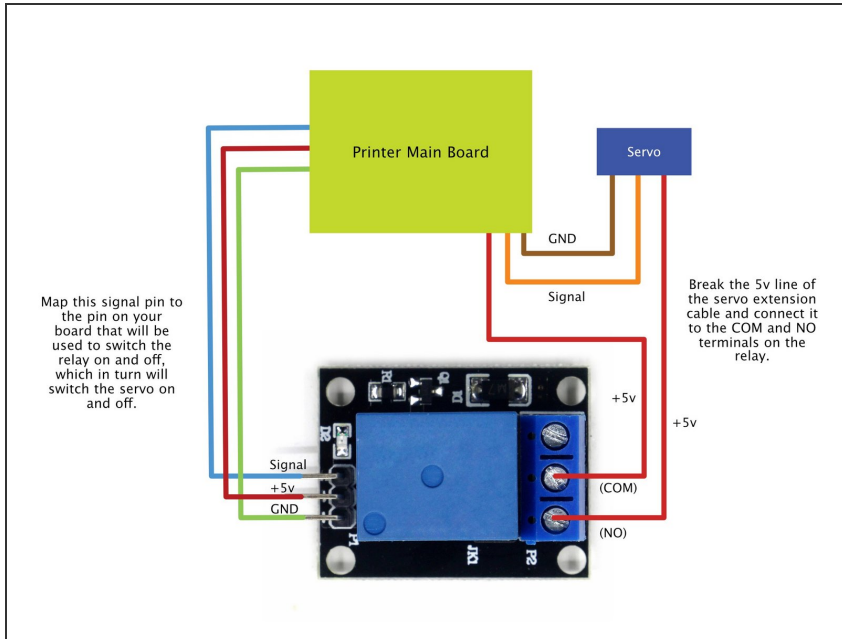
The brown cable from the probe should plug into a +24V rail.

The Blue cable should connect to ground (GND) and the black cable should connect to signal (PE4).

Again if your board doesn't have a dedicated position for a probe, connect to an alternative signal line and make a note of its number to then be entered into your firmware later.

 Follow the layout in the PDF file below to wire the switching hotend for your board.

Step 2 — Servo Relay Wiring



i We recommend installing the relay for reliability. Due to unknown reasons with either firmware or electrical noise, de-activating the servo via its signal line will sometimes cause random movement in the servo. So to power down the servo after each move we use this relay switch instead which physically disconnects the servos 5v line.

⚠ This step is especially recommended if you are using the Switching Hotend with Klipper Firmware.

★ The two signal pins are unique.