Wiring Instruction for Voron 2.4 Pro
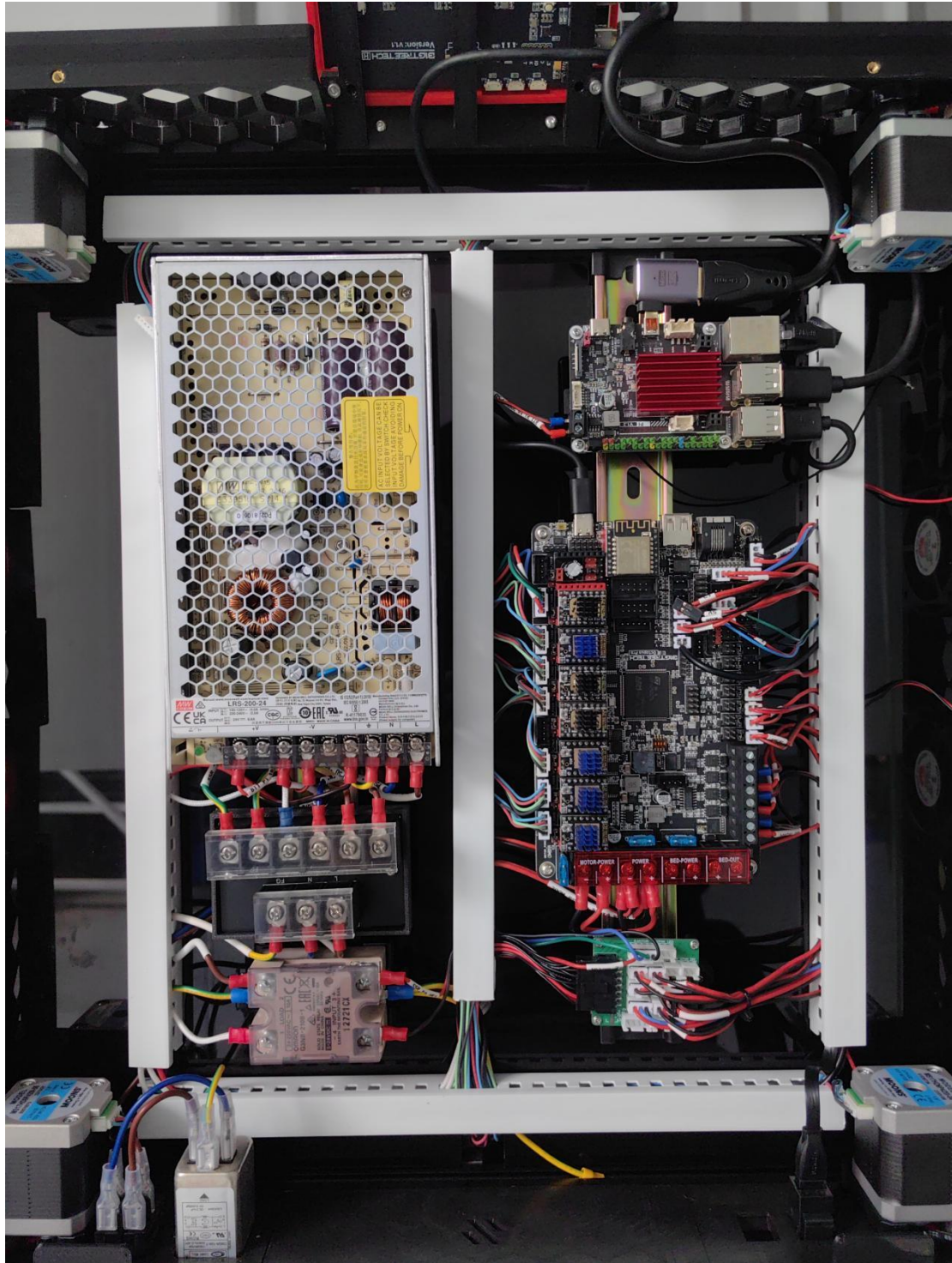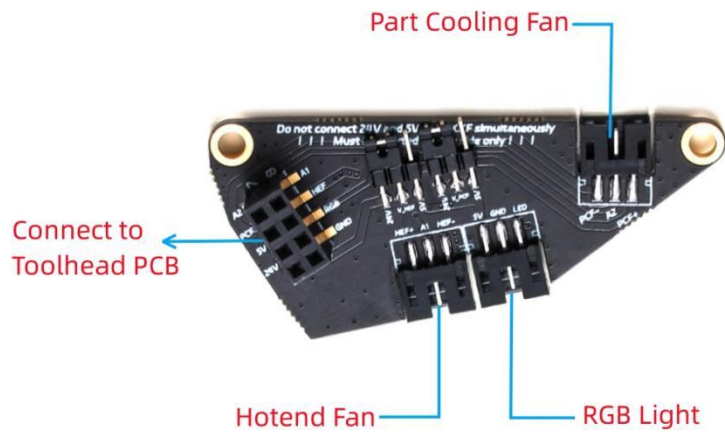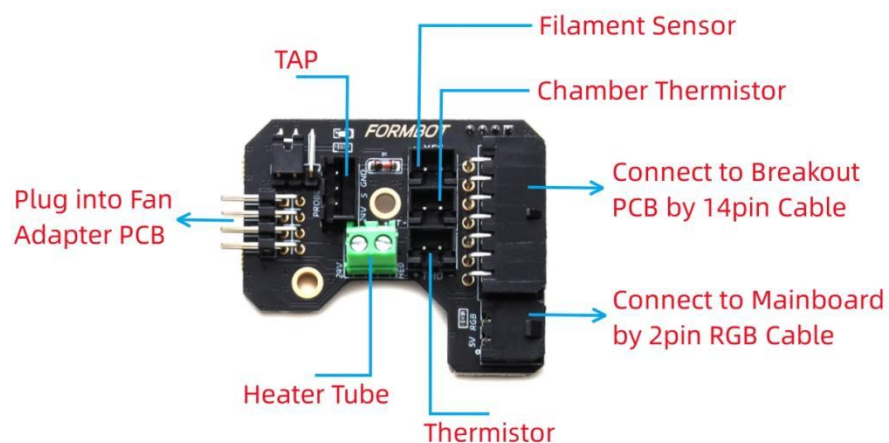
*Overview:

*Extruder Part - Fan Adapter PCB:

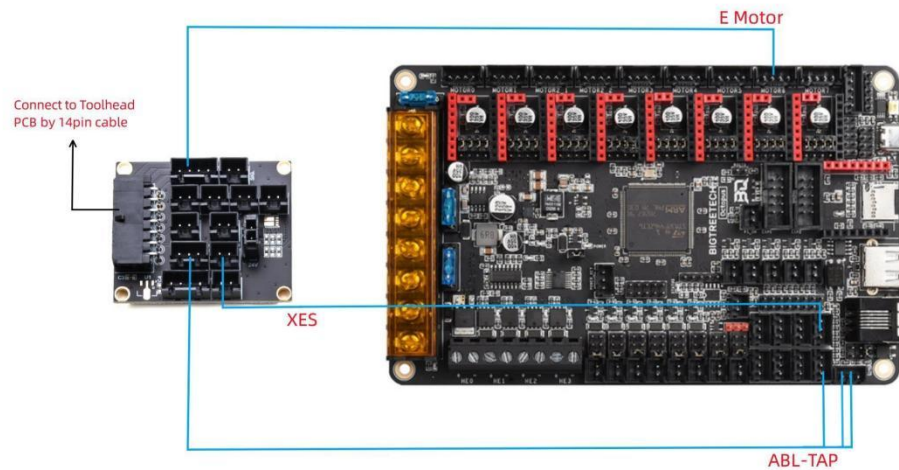Part Cooling Fan

Connect to
Toolhead PCB

Hotend Fan

RGB Light

*Extruder Part - Toolhead PCB:

TAP

Filament Sensor

Chamber Thermistor

Plug into Fan
Adapter PCB

Connect to Breakout
PCB by 14pin Cable

Connect to Mainboard
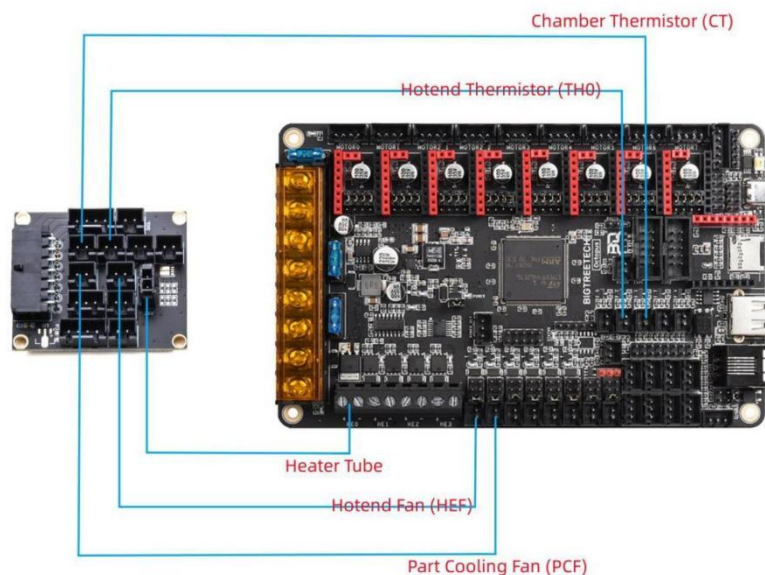by 2pin RGB Cable

Heater Tube

Thermistor

Note: the Toolhead PCB board is only workable with 24V TAP, please set the voltage as 24V on Octopus board by jumper. if set it as 5V, the Octopus board will get burnt.
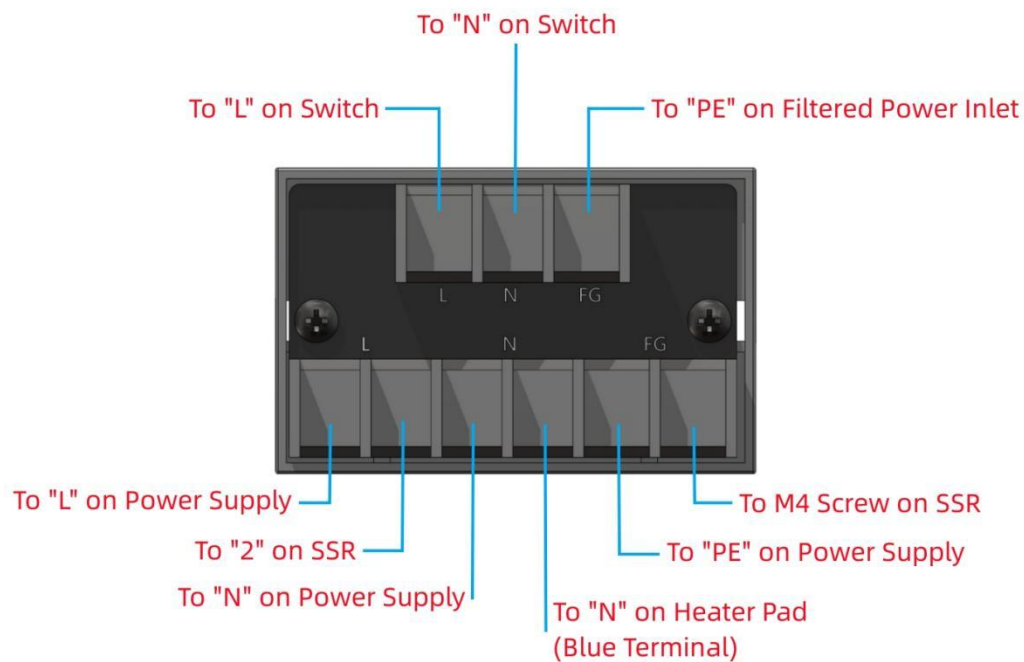
*Motherboard Part:

Note: about the jumper wire for TAP sensor, please connect red and black wires to PB7, then connect blue wire to PG15 on mother board.

Note: when connect jumper wire of heater tube from breakout PCB to mainboard, the red wire to "+", the black wire to "-". if reversed, it may burn down the mainboard.

*AC Circuit - 3 in 6 out PCB:

Note: this PCB is used for AC circuit, please don't remove the printed housing when power on. After complete wiring, please mount back the clear cover.

All other wiring on mother board is same as Voron official exactly, please refer to link:
https://docs.vorondesign.com/build/electrical/v2_octopus_wiring.html

Referential Links:

Voron Official Build Guide:
https://github.com/VoronDesign/Voron-2/blob/Voron2.4/Manual/Assembly_Manual_2.4r2.pdf

Stealthburner Extruder:
https://github.com/VoronDesign/Voron-Stealthburner/blob/main/Manual/Assembly_Manual_SB.pdf

TAP Leveling Sensor:
https://github.com/VoronDesign/Voron-Tap/blob/main/Manual/Assembly_Manual_Tap.pdf

HDMI 5" Screen:
https://www.printables.com/model/415066-bigtreetech-hdmi5-screen-mount-for-voron-24

BTT Klipper Pi:
https://github.com/bigtreetech/BTT-Pi

Nevermore Air Filter:
https://github.com/nevermore3d/Nevermore_Micro

Mellow ADXL345:
https://mellow.klipper.cn/#/advanced/usb_adxl