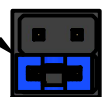
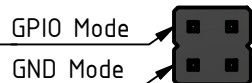
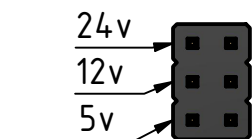
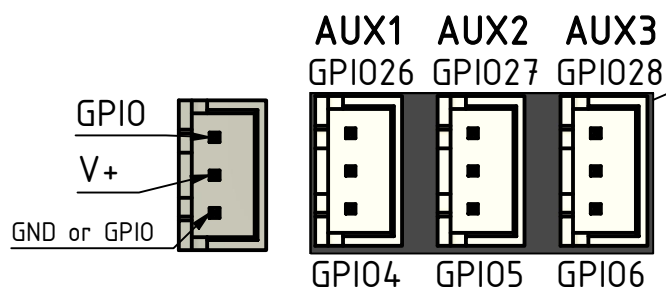
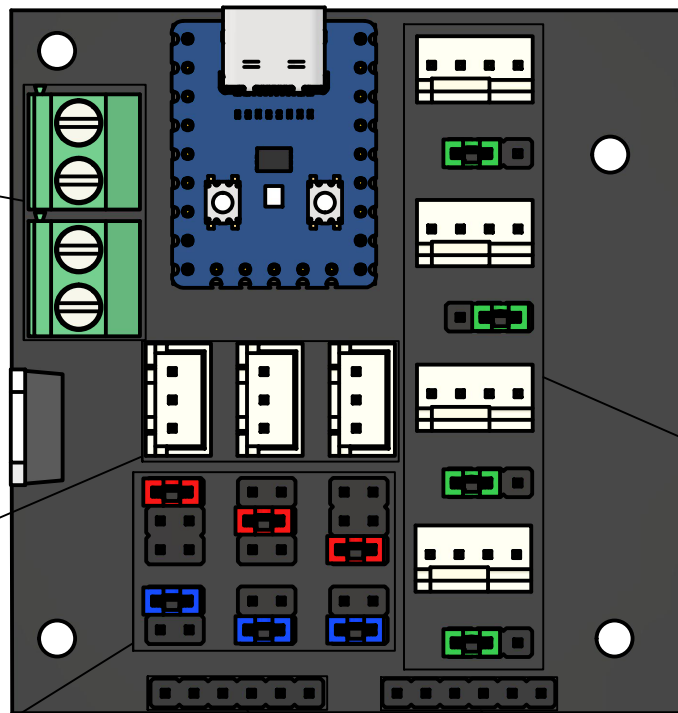
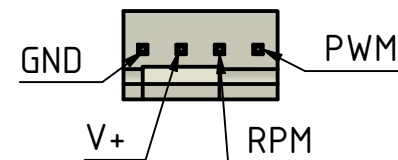
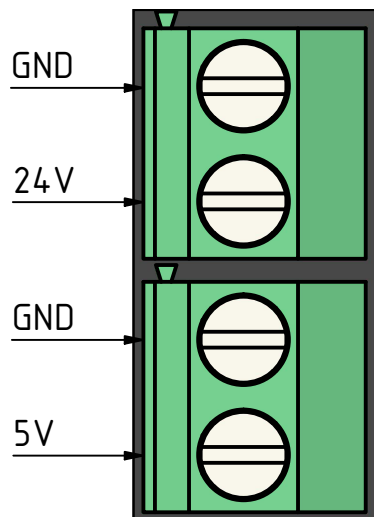
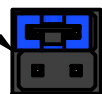


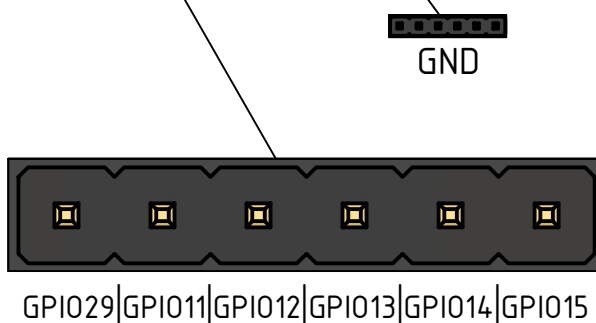
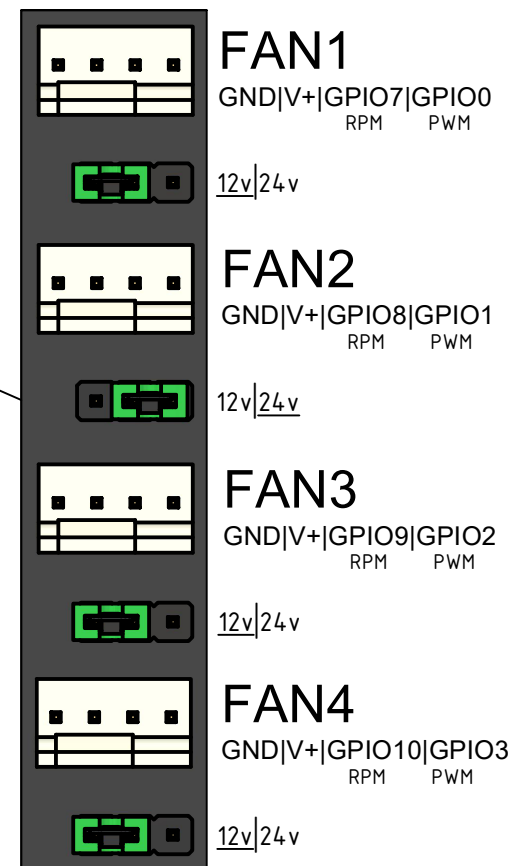
# TinyFan Pinout



GND: GND is directly connected to Mains GND!

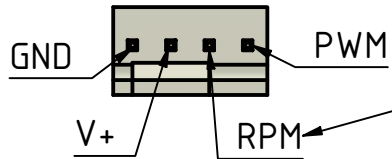


GPIO: GND becomes Ground Controlled PWM through GPIO 4/5/6



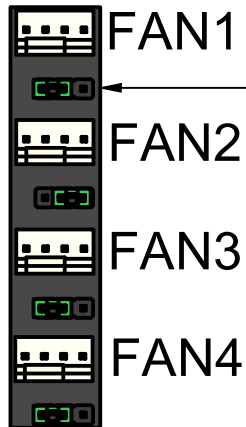
GND

# TinyFan Options



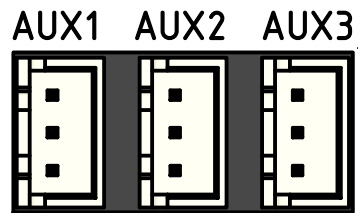
## RPM Signal is Shifted to 5v:

This means, you can connect here Neopixels without the need for a resistor!  
(Its shifted both ways, means this pin can be used as Input or Output)



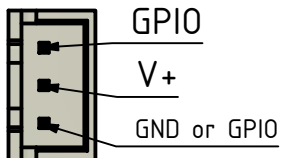
## The middle Pin provides Power!

This means, if you need to connect a 5v Fan, you can inject 5v with a Dupont connector here!  
(Make sure your PSU's shares GND!)



## In GPIO Mode:

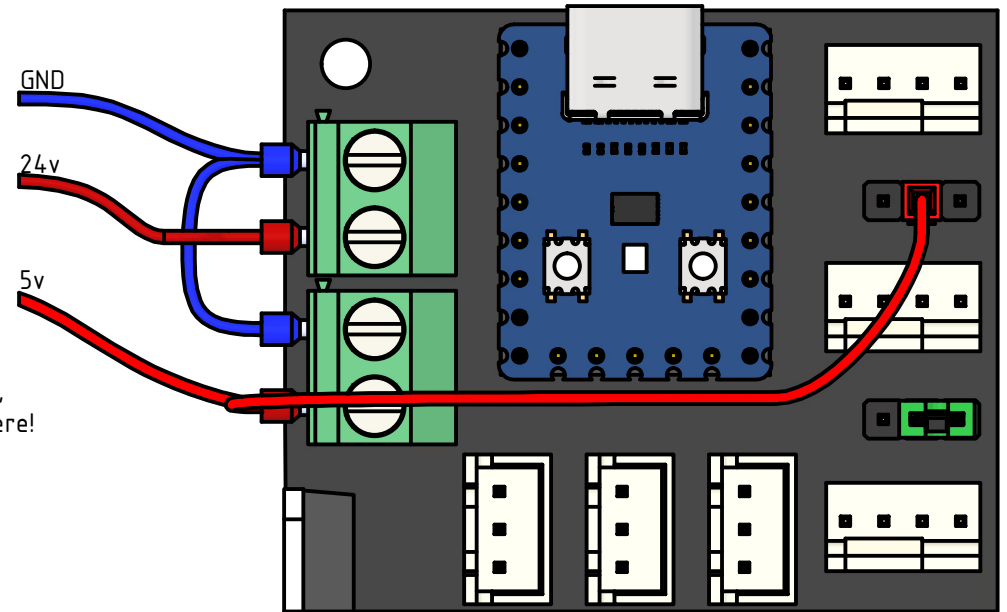
- 2-Wire Fans, on V+ and PGND
- RGB Leds, on V+ and PGND
- 3-Wire Fans with RPM (RPM/V+/PGND)
- Neopixels with a 100-Ohm resistor on the GPIO Pin
- Whatever your imagination allows!



## In GND Mode:

- 3-Wire Fans with PWM-Signal, (PWM/V+/GND)
- Uncontrollable 3-Wire RPM Fans, (RPM/V+/GND)
- Neopixels with a 100-Ohm resistor on the GPIO Pin
- Thermistors on GPIO+GND
- G-Code Buttons on GPIO+GND
- Whatever your imagination allows!

## 5v injection Example:



- Additional Thermistors
- Additional G-Code Buttons
- Additional Neupixel Ports (requires a 100 Ohm Resistor)
- Whatever your imagination allows!