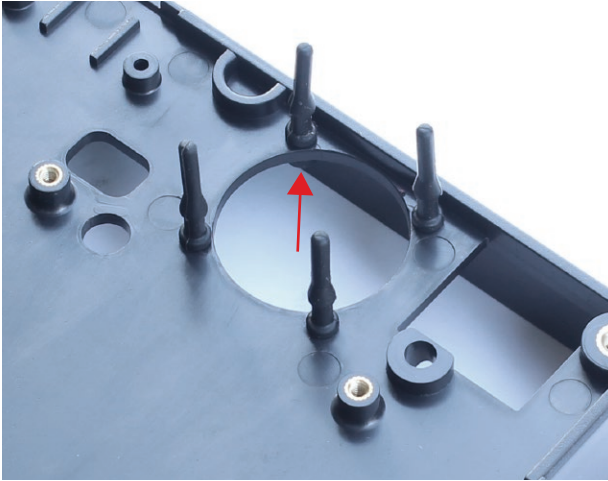


# Smarti Pi Touch Pro 3

## Fan for Pi 4 installation guide

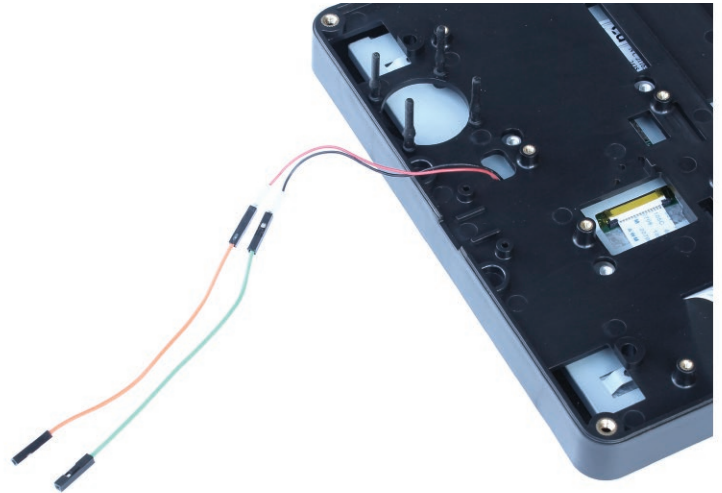
### Step 1

Pull the rubber vibration mounts up through the holes in the housings. They are designed to stretch as you pull them through and should not break.



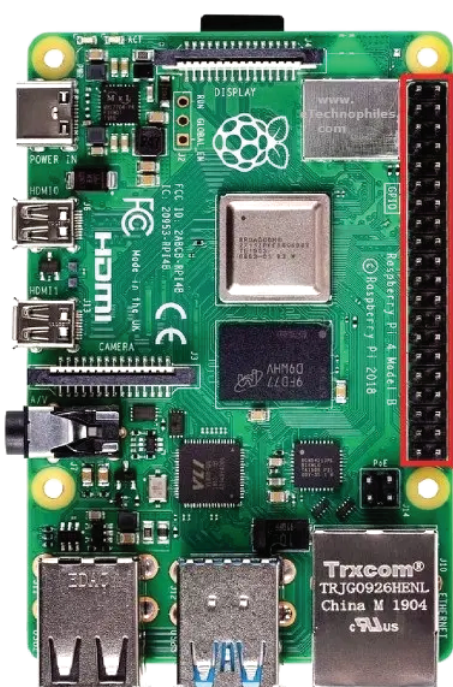
### Step 2

Attach the supplied leads to the display power wire. The color of the supplied leads colors will vary.



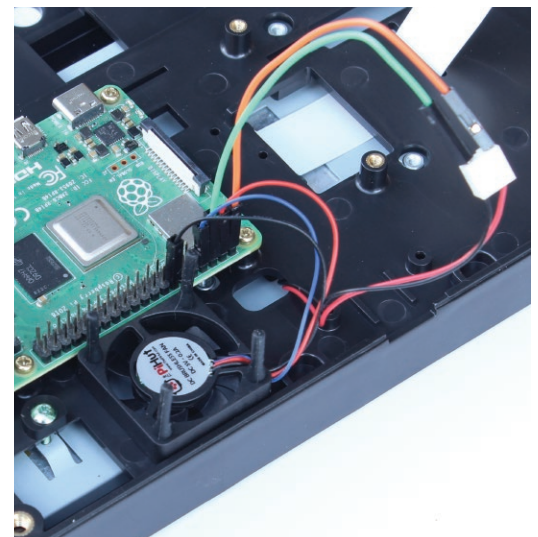
### Step 3

Pull the rubber mounts through the fan holes and push down on the fan until it is secured like the photo. Attach the wires as show in the diagram to the Pi 4 GPIO.



3.3v	5V
GPIO 2 Serial Data (I2C)	5V
GPIO3 Serial Clock (I2C)	Ground
GPIO 4	GPIO 14 (UART TX)
Ground	GPIO 15 (UART RX)
GPIO 17 Chip Enable-CE1 (SPI1)	GPIO 18 Chip Enable-CE0 (SPI1) [PWM]
GPIO 27	Ground
GPIO 22	GPIO 23
3.3v	GPIO 24
GPIO 10 MOSI (SPI 0)	Ground
GPIO 09 MISO (SPI 0)	GPIO 25
GPIO 11 SCLK (SPI 0)	GPIO 8 Chip Enable-CE0 (SPI0)
Ground	GPIO 7 Chip Enable-CE1 (SPI0)
GPIO 0 EEPROM Serial DATA (I2C)	GPIO 1 EEPROM Serial Clock (I2C)
GPIO 5	Ground
GPIO 6	GPIO 12 (PWM)
GPIO 13 (PWM)	Ground
[PWM] GPIO 19 MISO (SPI 1)	GPIO 16 Chip Enable-CE2 (SPI 1)
GPIO 26	GPIO 20 MISO (SPI 1)
Ground	GPIO 21 SCLK (SPI 1)

Lead that is attached to red wire of display  
Red wire of fan  
Lead that is attached to black wire of display  
Blue wire of fan  
Black wire of fan



## Step 5

Once booted into Pi OS, click the Raspberry Pi icon on the Raspberry Pi OS desktop, then select Preferences > Raspberry Pi Configuration from the menu.

Select the Performance tab, enable the fan and select your fan trigger temperature (currently the minimum is 60°C). You can also change the GPIO the blue wire of the fan is connected to.

