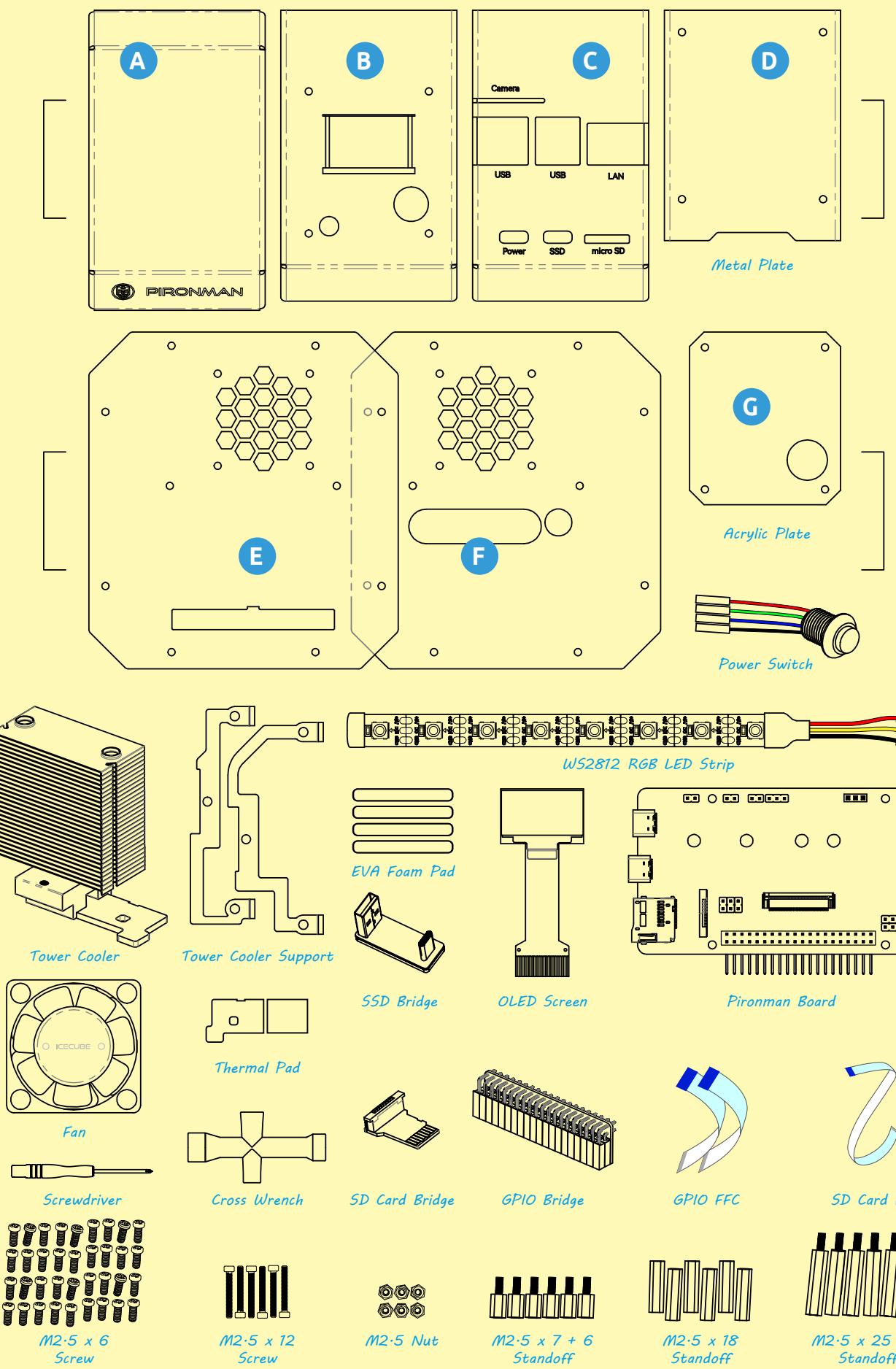
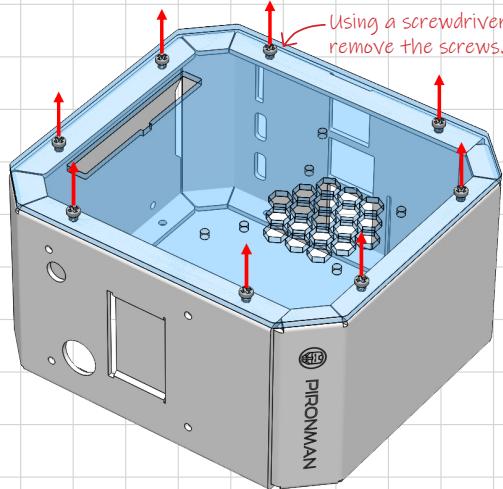


# SUNFOUNDER PIRONMAN CASE

Get tutorial at: [pironman-v2.rtfd.io](http://pironman-v2.rtfd.io)

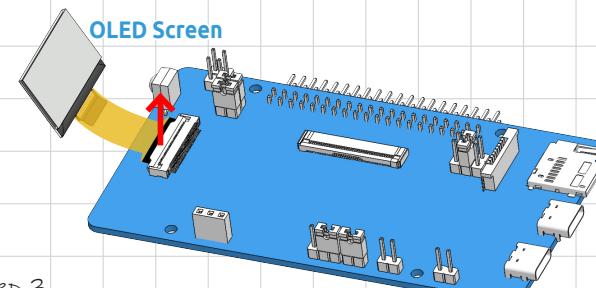


## ASSEMBLE



### Step 1

After unboxing, you may need to disassemble some parts that come pre-assembled.



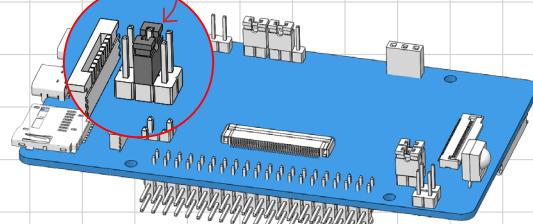
### Step 2

The Raspberry Pi has three high-speed signal drive modes that can be used to drive RGB strips. The SPI (IO10) drive mode is selected by default.

These modes have other uses, and using them with RGB strip disables their original functionality.

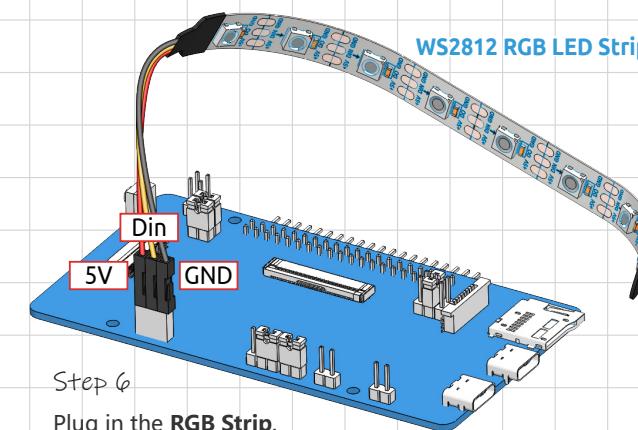
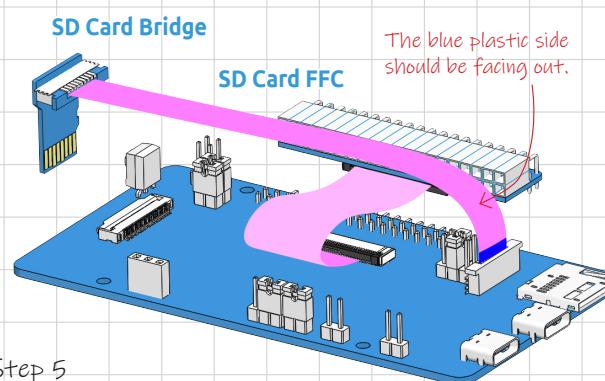
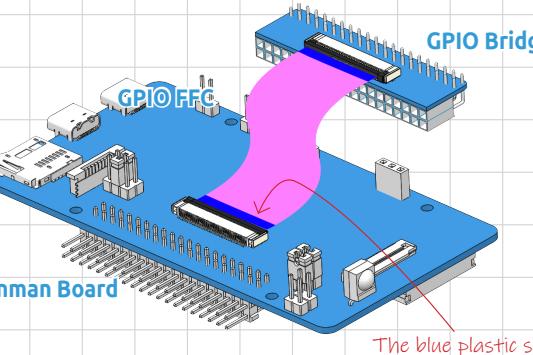
- \* SPI (IO10) is used for SPI interface.
- \* PWM (IO12) for analog audio (3.5mm audio jack).
- \* PCM (IO21) for digital audio (HDMI audio).

You can switch to other pins if needed and refer to [pironman-v2.rtfd.io](http://pironman-v2.rtfd.io) for configuration.

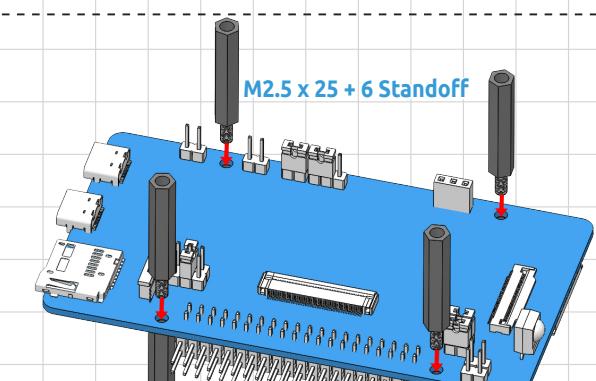


Step 3: Insert the FPC of the OLED Screen into the Pironman board. The steps are:

- 1) Lift the black tab on the connector.
- 2) Insert the FPC cable.
- 3) Press down to fasten.

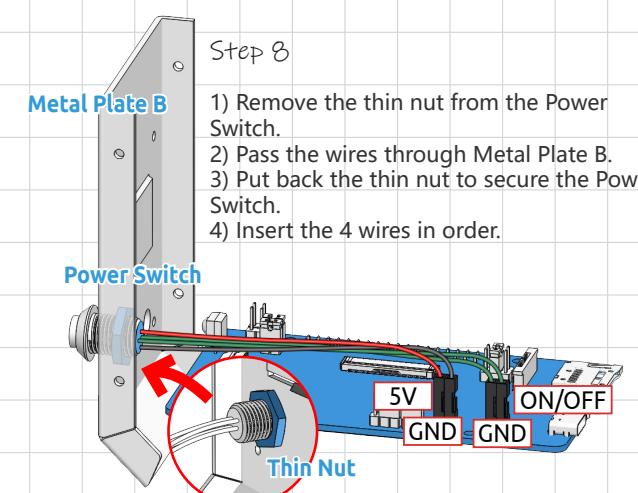


Step 6: Plug in the RGB Strip. The Din, 5V, GND, and ON/OFF pins are labeled.



### Step 7

Place four sets of standoffs on the Pironman board. M2.5 x 18 Standoff and M2.5 x 25 + 6 Standoff are labeled.



### Step 8

- 1) Remove the thin nut from the Power Switch.
- 2) Pass the wires through Metal Plate B.
- 3) Put back the thin nut to secure the Power Switch.
- 4) Insert the 4 wires in order.

