

Sovol SV06 Gantry WS2812B LED Mount

r r33m0

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updated 23. 5. 2023 | published 23. 5. 2023

Summary

A gantry mount for a single WS2812B LED, with a cable tunnel to the Filament Runout Sensor Pin

[3D Printers](#) > [3D Printers - Upgrades](#)

Tags: [led](#) [sv06](#) [ws2812b](#)

Gantry mount that adds a WS2812B LED to the gantry of the Sovol SV06 using the screws used to mount the hotend to the gantry.

Printing

Layer height should be fine ($\leq 0.2\text{mm}$) to properly trap the LED, but otherwise prints fine with a 0.6mm nozzle. Black PLA hides the mount quite well.

Assembly

Glue the LED onto the cutout and feed the wires through the tunnel. Remove the screws (careful, they are 2 of 3 screws holding the hotend plate), add the LED mount and if possible, replace with longer screws (M3x10 countersunk worked for me, the hole with the fitting should be ~11mm deep)

Wiring

The JST GH 1.25mm connector on that side should be wired as follows (top-to-bottom): 5V, Ground, PA4 (no guarantees!).

Example Klipper Configuration:

```
[neopixel hotend_neopixel] pin: PA4 chain_count: 1 color_order: GRB
```

I've added a tunnel version if you'd like to hide the cable to the pin even more, I'm happy with the simple version (full disclosure: I haven't tried the tunnel version).

Model files



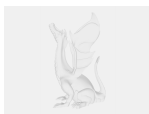
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sovol-sv06-gantry-led-mount-tunnel.stl



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