



Neopixel tank shroud fan cover



Biny

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updated 26. 11. 2022 | published 26. 11. 2022

Summary

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

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This is a remix of the EVA 3 Tank shroud with 2 pcb button neopixel, one in the logo and another to the print part.

For the top led, one file takes M3 x 3mm heatinserts and the other screws into the plastic.

For the bottom led it was a tab to hold it

This is my klipper config to enable the NeoPixel green on full time and turn on an off the white light:

Create a file named Neopixel.cfg

In there:

```
[neopixel board_rgb]
pin: PB0
chain_count: 2
color_order: GRBW
initial_RED: 0
```

```
initial_GREEN: 0  
initial_BLUE: 0  
initial_WHITE: 0
```

```
[delayed_gcode Welcome_0]  
initial_duration: 0  
gcode:  
SET_LED LED=board_rgb RED=0.0 GREEN=0.0 BLUE=0.0  
WHITE=0.0
```

```
[delayed_gcode Welcome_1]  
initial_duration: 0.1  
gcode:  
SET_LED LED=board_rgb RED=0 GREEN=0.1 BLUE=0  
WHITE=0.0 INDEX=1 TRANSMIT=1
```

```
[delayed_gcode Welcome_2]  
initial_duration: 0.2  
gcode:  
SET_LED LED=board_rgb RED=0 GREEN=0 BLUE=0 WHITE=1.0  
INDEX=2 TRANSMIT=1
```

```
[gcode_macro LED_OFF]  
gcode:  
SET_LED LED=board_rgb RED=0 GREEN=1 BLUE=0 WHITE=0  
INDEX=1 TRANSMIT=0  
SET_LED LED=board_rgb RED=0 GREEN=0 BLUE=0 WHITE=0  
INDEX=2 TRANSMIT=1
```

```
[gcode_macro LED_ON]  
gcode:  
SET_LED LED=board_rgb RED=0 GREEN=1 BLUE=0 WHITE=0  
INDEX=1 TRANSMIT=0  
SET_LED LED=board_rgb RED=0 GREEN=0 BLUE=0 WHITE=1  
INDEX=2 TRANSMIT=1
```

On the Printer.cfg add:

```
[include Neopixel.cfg]
```

On the Macro to start the print:

```
gcode:  
LED_ON
```

On the Macro to end the print:

```
gcode:  
LED_OFF
```

I'm no expert on klipper but this conf worked for my V-core

Any suggestion is wellcome

Enjoy

This remix is based on



EVA 3 - Modular 3D Printer carriage platform

by McAbra

Model files



neopixel_tank_-shroud_fan_cover-heat-inserts.stl



neopixel_tank_-shroud_fan_cover.stl



led-difuser.stl



holder.stl

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