

Case for Raspberry Pi 4B + Waveshare 5" DSI LCD

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Summary

I needed a case for our pasivly cooled Octoprint servers to protect them from short circuit by tools laying on a table....

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I needed a case for our pasivly cooled Octoprint servers to protect them from short circuit by tools laying on a table. Often I have found metal objects under RPis very close to pins.

This should solve it.

For assembly you need 4x M3x8 and 4x M2.5x6 screws.

Standoffs M2.5x25 should be provided with Waveshare LCD.

Print is a bit stress test for a printer and layer adhesion of your filament. Prusa MK3S + Devil Design PETG provide good result for us.

It has been printed without any support but I would recomend add some support for connector openings as this bridging could be too long for some printers.

Print Settings

Printer Brand:

Prusa

Printer:

I3 MK3S

Rafts:

No

Supports:

No

Resolution:

0.2

Infill:

20

Filament: Devil Design PETG Black

Notes:

Long bridging. You may need add suppor for connector openings.

How I Designed This =====

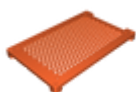
Made in Solid Edge 2020. RPi model from Gracad. LCD model from Waveshare Wiki. Rest is just couple hours in CAD.

Category: 3D Printer Accessories

Model files



top.stl



bottom.stl



pi_case.stp

[Find source .stl files on Thingiverse.com](#)

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