



Raspberry Pi 4 Mount for 80x40 Extrusion (Ender 3 V2)



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Summary

Raspberry Pi 4 Mount for an 80x40 extrusion

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[ender3v2](#) [8040](#) [extrusionmount](#) [8040aluminuim](#)

Designed for Ender3v2 to mount behind the LCD screen. I would imagine this works with other Ender 3s but I cannot confirm

You'll want to use supports for the rails

If you're looking for a mount to go in middle to replace the drawer, see here: <https://www.printables.com/model/579503-raspberry-pi-4-mount-for-ender-3-v2-drawer-replace>

Update (09/11/2023): based on some feedback, I have redesigned the rails (using a new extrusion template that I've used on a couple other designs that works great for me) and I have also increased the port tolerance from

0.5mm to 1.0mm. I have also included the fusion project file as well if you want to edit the hole_tolerance parameter

Note: Originally, I designed this to have studs that the board slides over, but those proved unusable because the ports need to slide into the holes on the side of the case. So, I removed the studs and countersunk 2.5mm holes for use with M3 screws. I have not tested this, but I don't see why it wouldn't work this time around. I ended up having to just cut the studs off of my printed model and then I wedged a piece of paper in there to hold it in place. With the screws, this shouldn't be necessary -- or you can do that if you don't want to use screws

Oh, and this is the fan I'm using: Argon Mini https://www.amazon.com/gp/product/B08HLX9WRV/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1

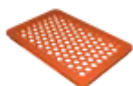
This remix is based on



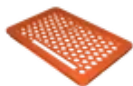
Raspberry Pi 4 Mount for Ender 3 V2

by alexkrush

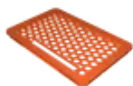
Model files



rpi4-ender3-mount-top-cover.stl



rpi4-ender3-mount-top-cover-headers-camera.stl



rpi4-ender3-mount-top-cover-headers.stl



rpi4-ender3-mount-top-cover-camera.stl

rpi4-ender-3-mount-case-v5.step



rpi4-ender3-mount-bottom-case-no-hex.stl

rpi4-ender-3-mount-case-v5.f3z



rpi4-ender-3-mount-case-v7-bottom-case.stl

☐ new rails, 1mm port tolerance

rpi4-ender-3-mount-case-v7.f3z



rpi4-ender-3-mount-case-v7-bottom-case-no-hex.stl

☐ new rails, 1mm port tolerance



rpi4-ender3-mount-bottom-case.stl

☐ old rail design, .5mm port tolerance

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com/thing/4588888)

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