



Combinable Raspberry Pi 4 snapfit case - easy to add the Pi



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[VIEW IN BROWSER](#)

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Summary

Designed a easy to add the RaspberryPi version with a snap fit case. Each Top can be combined with each bottom part.



2.07 hrs



3 pcs



0.20 mm



0.40 mm



PET



54 g



Prusa MK4

[3D Printers](#) > [Accessories](#)

Tags: [raspberrypi](#) [snapfit](#) [raspberrypicase](#) [pi4](#)
[raspberrypi4](#) [prusaenclosure](#) [pi4b](#) [pi4case](#) [combinable](#)

I designed another RaspberryPi Case, because I was not happy with what I found. I designed this one to add the RaspberryPi easily without harming it.

In many cases I found, I have to choose violence to bring it in. Here I designed the holding pins upside down, so you can easily add the raspberry without any pressure.

Each top part can be combined with each bottom part.

Please post a make any comments are welcome.

Print instructions

Printed with PETG Prusament

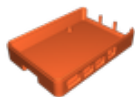
0.20 mm layer height

Support for the SD-Card slot and the side openings on the bottom part

Update

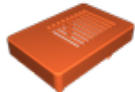
- Added a version where the HDMI ports are bigger, due to some of you had issues fitting an HDMI cable (09.05.2024)
- Added a version for the Prusa Enclosure (10.05.2024)
 - **BoM**
 - 1 M3 heat-set insert. I used from Ruthex M3x5.7 (any other will to, if not longer than 5.7mm and a diameter of 4mm)
 - 1 M3 6mm screw for the original Prusa Enclosure (you can choose what suits best)
- Added a hexagon design top and bottom part (10.05.2024)

Model files



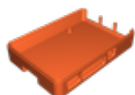
raspberrypi4_bottom_case.stl

📄 Bottom Case with smaller HDMI holes



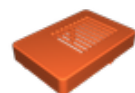
raspberrypi4_top_case.stl

📄 Top Case standard slots for cooling



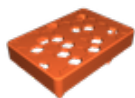
raspberrypi4_bottom_biggerhdmistl

📄 Bottom Case with one big HDMI hole



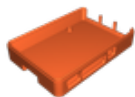
raspberrypi4_top_case_prusa_enclosure.stl

📄 Top Case Prusa enclosure with standard slots for cooling



hex_top.stl

☐ Top Case Hex holes for cooling



hex_bottom.stl

☐ Bottom Case with hex pattern

Print files



org_rasp_case_04n_02mm_petg_mk4is_1h54m.bgcode

🌀 PET 📏 0.40 mm 📏 0.20 mm ⌚ 1.90 hrs ⚖️ 52 g 🖨️ Prusa MK4

☐ Supports are included, sliced with mk4 IS profile



big_hdmi_slot_rasp_case04n_02mm_petg_mk4is_1h57m.bgcode

🌀 PET 📏 0.40 mm 📏 0.20 mm ⌚ 1.95 hrs ⚖️ 52 g 🖨️ Prusa MK4



prusaenclosure_rasp_case_04n_02mm_petg_mk4is_2h4m.bgcode

🌀 PET 📏 0.40 mm 📏 0.20 mm ⌚ 2.07 hrs ⚖️ 54 g 🖨️ Prusa MK4

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