



RASPBERRY PI 5 CASE



tiramisu

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Summary

Customizable Raspberry Pi 5 Case with options for official air cooler, NVME, GPIO, more vents. Get your combination!

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Tags: [raspberrypi](#) [pi](#) [raspberrypi](#) [raspberrypi5case](#) [pi5](#)
[raspberrypi5](#)

You want options? We got them!

The configurations here support the official air cooler, the Pimoroni NVME, and provide options for more vents and access to GPIO. Take a look!

The case is secured through metal or printed standoffs, for a more durable design, as snap fit has an expiration date.

How to find your combination:

The bottom part you need is in one of two folders, depending on whether you have an NVME or not.

The correct top part will be in one of four folders, depending on your combination of NVME and Air Cooler.

Hardware needed:

- 4x M2.5 6mm BHCS (8x for NVME case)
- 4x M2.5 20+6mm Stand-offs
- 4x M2.5 hex nuts (None for NVME case or the printed standoffs)

Printed standoffs are available if metal ones are not easy to source. Use 8 self-tapping screws with these, no bolts or hex nuts needed.

I printed my case with ABS but PLA or PETG are also just fine, the air around the Pi doesn't get significantly warm.

Happy printing, don't forget to like and post makes!

If you like my designs, want to help me design for new hardware or just fuel my coffee addiction you can support me here:

<https://www.buymeacoffee.com/therealtiramisu>

UPDATE 5 Feb 2024:

I added options for a Pimoroni NVME base. After several iterations this sadly needs a new top.

pi5_case_vented_top_NVME.stl

pi5_case_bottom_NVME.stl

UPDATE 19 Nov 2023:

As requested, I added some plastic standoffs to be used with self tapping screws. Print 4 and use with already available range of case halves.

pi5_case_plastic_standoff.stl

UPDATE 9 Nov 2023:

Added versions of the top cover with vents, for both the GPIO and non-GPIO model. If you already printed the case you only need to print the top. Vents definitely not needed for GPIO version.

pi5_case_vented_top_noGPIO.stl

pi5_case_vented_top.stl

UPDATE 8 Nov 2023:

Added an option with no access to GPIO pins

pi5_case_top_nogpio.stl

pi5_case_bottom_nogpio.stl

UPDATE 31 Oct 2023:

Moved intake air tunnel to better match the fan's position. Only pi5_case_top.stl changed.

This remix is based on



Raspberry Pi 5 Case W/Power Button — V2

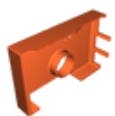
by Micro Center

Model files



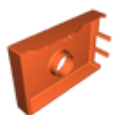
Air Cooler without NVME Tops

4 files



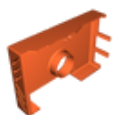
pi5_case_top.stl

☐ update 1: moved intake air tunnel to better match fan



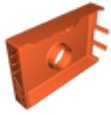
pi5_case_top_nogpio.stl

☐ update 2: version with no access to gpio pins. use standard button



pi5_case_vented_top.stl

☐ update 3: access to gpio and has vents (not needed even for overclock)



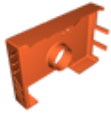
pi5_case_vented_top_nogpio.stl

☐ update 3: has vents but no access to gpio



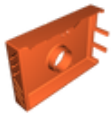
Air Cooler with NVME Tops

4 files



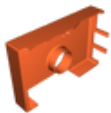
pi5_case_vented_top_gpio_nvme.stl

☐ Print w/ GPIO+NVME bottom



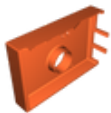
pi5_case_vented_top_nogpio_nvme.stl

☐ Print w/ NoGPIO NVME bottom



pi5_case_top_gpio_nvme.stl

☐ Print w/ GPIO+NVME bottom



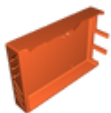
pi5_case_top_nogpio_nvme.stl

☐ Print w/ NoGPIO NVME bottom



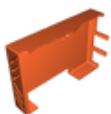
NVME without Air Cooler Tops

4 files



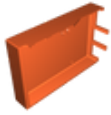
pi5_case_vented_top_nocooler_nogpio_nvme.stl

☐ Print with NoGPIO + NVME bottom



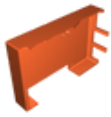
pi5_case_vented_top_nocooler_gpio_nvme.stl

☐ Print with GPIO + NVME bottom



pi5_case_top_nocooler_nogpio_nvme.stl

☐ Print with NoGPIO + NVME bottom



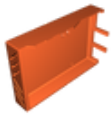
pi5_case_top_nocooler_gpio_nvme.stl

☐ Print with GPIO + NVME bottom



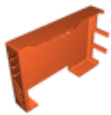
No Air Cooler and No NVME Tops

2 files



pi5_case_vented_top_nocooler_nogpio.stl

☐ print with a NoGPIO NoNVME bottom



pi5_case_vented_top_nocooler_gpio.stl

☐ print with a GPIO NoNVME bottom



NVME Bottoms

2 files



pi5_case_bottom_nvme.stl

☐ Print w/ GPIO+NVME top



pi5_case_bottom_nogpio_nvme.stl

☐ print this w/ NoGPIO and NVME top



No NVME Bottoms

2 files



pi5_case_bottom.stl

☐ Print with any non-NVME GPIO top



pi5_case_bottom_nogpio.stl

☐ Print with any non-NVME NoGPIO top



pi5_case_button.stl

☐ use a translucent colour if you want light to come through



pi5_case_plastic_standoff.stl

☐ print 4 to use with self tapping screws if you dont have any metal standoffs

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