

Raspberry Pi 3 Wall Mount Case



RT3D Workshop

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Summary

Wall mountable case for the Raspberry Pi 3(B/B+). I wanted something I could mount in my enclosures and have power soldered directly to the GPIO pins.

Parts:

3 x M3 Nuts

3 x M3 8mm Bolts (Lid)

4 x M3 6mm Bolts (Case)

1 x 2.1 MM 5A DC Power Jack Socket Threaded Female Mount Connector (<https://amzn.to/2FXTKHx>) - Optional with Case choice.

Models:

Case with Power Option in the rear of the case.

1 x 1-RPi3_Case_v1.stl

1 x 1-RPi3_Case_Lid_v1.stl

Case with power option in the front of the case.

1 x 2-RPi3_Case_PowerFront_v1.stl

1 x 2-RPi3_Case_PowerFront_Lid_v1.stl

A smaller version of the case, no power option.

1 x 3-RPi3_Case_Small_v1.stl

1 x 3-RPi3_Case_Small_Lid_v1.stl

rpiwallcase

rpicas

rpi3case

rpi3bcase

rpi3b

rpi3

raspberrypiwall

raspberrypicas

raspberrypi

Category: Electronics Print Settings

Printer Brand: Prusa

Printer: [i3 MK3]

Rafts: No

Supports: No

Resolution: 0.2

Infill: 20

Filament: Inland PLA Orange/Yellow

Notes:

Print Settings:

Prusa Slic3r - Generic PLA

Post-Printing

Step 1 - Inserting the RPi into the case at an angle to align.

Step 2 - DC Power Jack Socket & tighten into the case.

Step 3 - Use M3 6mm bolts to secure RPi to the case.

Step 4 - Solder DC Jack wires to the correct GPIO pins for power.

Step 5 - Insert M3 nuts in the case lid, press to fit. (Optional: Add a drop of super glue to secure)







Step 6 - Install the case lid and insert the 8mm bolts/screws

How I Designed This

Fusion 360

Model Files (.stl, .3mf, .obj, .amf)

[↓ DOWNLOAD ALL FILES](#)

72×72	1-rpi3_case_v1.stl updated 19. 11. 2019	223.2 KB	
72×72	2-rpi3_case_powerfront_v1.stl updated 19. 11. 2019	223.4 KB	
72×72	3-rpi3_case_small_v1.stl updated 19. 11. 2019	214.6 KB	
72×72	3-rpi3_case_small_lid_v1.stl updated 19. 11. 2019	173.1 KB	
72×72	2-rpi3_case_powerfront_lid_v1.stl updated 19. 11. 2019	171.9 KB	
72×72	1-rpi3_case_lid_v1.stl updated 19. 11. 2019	171.9 KB	

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



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