

Adafruit Perma Proto Board Case

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Summary

A Perma Proto Board from Adafruit was used to simplify connections to a Raspberry Pi that served as an Octoprint...



1.00 hrs



1 pcs



0.15 mm



0.40 mm



PET



10 g



Prusa
MK3/S/S+

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

Tags: [octoprint](#) [raspberrypi](#) [adafruit](#) [permaprotoboard](#)

A Perma Proto Board from Adafruit was used to simplify connections to a Raspberry Pi that served as an Octoprint server for a Prusa i3 MK3S 3D printer. Rather than have the Perma Proto Board dangle in space, a simple case was created on which the board was mounted.

Print instructions

Conditions:

Printer: Prusa i3 MK3S

Filament: Jet Black Prusament PETG

Extruder: Constant 240 ° C

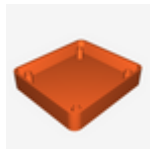
Hotbed: First layer 85 °C heating to 90 °C for remaining layers

No supports
2 perimeters

Rotate .stl file 90 degrees to print. gcode file is in correct orientation for printing. Post-printing, I used an M3 metal screw to cut threads into the standoffs. M3 x 6 mm nylon screws were used to hold down the Perma Proto Board avoid a short circuit as the screw holes are very close to the solder points.

Perma Proto Board sits slightly below the top of the case.

Model files



perma_proto_board_case_v4_015mm_petg_mk3s.3mf



perma_proto_board_case_v4.stl

Print files



perma_proto_board_case_v4_015mm_petg_mk3s.gcode

PET 0.40 mm 0.15 mm 1.00 hrs 10 g Prusa MK3/S/S+

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