

Ender 3 Pro PSU Plug Mod

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Summary

Moves Ender 3 Pro plug to the back of the printer.



11.00 hrs



1 pcs



0.20 mm



0.40 mm



PLA



1 g



Creality
Ender-3

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Tags: [psu](#) [powersupply](#) [psucover](#) [psumount](#)
[powersupplymount](#) [powersupplycover](#)

DISCLAIMER: Since the main power wires are exposed by relocating the power plug, you should add additional insulation around the cables.

This design relocates the PSU plug to the back of the Ender 3 Pro.

The design is intended to minimize the footprint of the printer overall. With the plug in the rear of the printer, the rigid end section of the power cable extends only to the rear limit of the bed on the y-axis. So, no additional space is needed in the rear of the printer.

I plan to relocate my display to the top of the printer, so with the power cable moved to the back, I will ultimately reduce the base footprint by ~2.5in, horizontally (~1.5 at the height of the x-axis belt).

The included .GCODE was used to print this device in eSun PLA+. Everything about this will be a tight fit, which is intentional. I did not want there to be any "play" when plugging/unplugging the power cable. However, no additional modification is required. You will just need to use some force when fitting the outlet into the enclosure.

The screws from the original PSU outlet are used to secure the outlet to its new enclosure, but the tolerances are designed such that the screws aren't absolutely necessary, due to the tight fit.

Print Settings

Printer Brand:

Creality

Printer:

Ender 3 Pro

Rafts:

Doesn't Matter

Supports:

Yes

Infill:

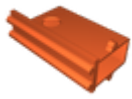
50%

Notes:

For slicing orientation, I always print for minimum supports needed. In this case, that places the opening of the design and screw holes facing UP.

Category: 3D Printer Accessories

Model files



psu_mod_2_v16.stl

Print files



psu_mod_2_v16.gcode

🌀 PLA 🌀 0.40 mm 🌀 0.20 mm 🕒 11.00 hrs 📊 1 g

📏 Unknown weight

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

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