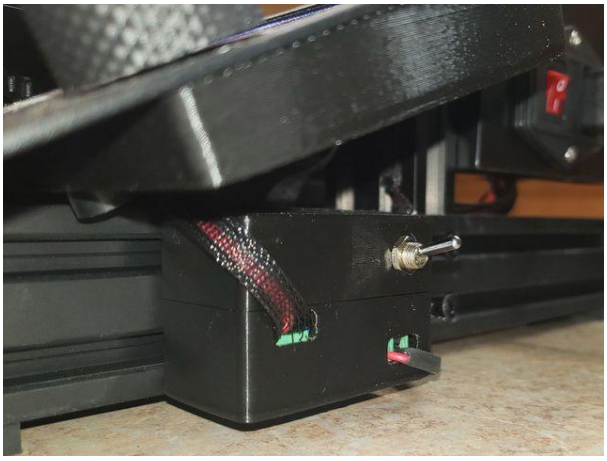

5V Buck Converter Box for Ender 3 (2020 extrusion) (Link to buck converter in description)

snillor200

VIEW IN BROWSER

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Summary

a box for a 5V buck converter to take 24V from a 3D printer power supply and convert to 5V for LED lighting, etc.

2.50 hrs	1 pcs	0.30 mm	0.40 mm	PLA	22 g	Ender 3 Pro

3D Printers > Accessories

Tags: box extrusion ender pro 3 5 2020 buck converter v 5v

I designed this box to mount directly to the 2020 extrusion of my Ender 3 Pro 3D printer.

This allows me to tap into the 24V dc output of the power supply and convert it to 5V to power the LED light strip I installed on the printer.

In my case, I mounted it behind the control panel so its more or less hidden from view.

The model is in 2 files. A top and a bottom. The top attaches to the bottom using integrated clips by just snapping it together.

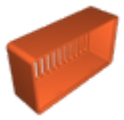
I added a drilled hole to install a toggle switch. It isn't necessary, I just wanted to be able to turn the light strip off sometimes when the printer is running.

5V Buck Converters I used:

https://www.amazon.com/gp/product/B0983GW7YJ/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1

Model files

5v-buck-converter-case-bottom.stl



5v-buck-converter-case-top.stl

Print files

5v_buck_converter_case.gcode

PLA 0.40 mm 0.30 mm 2.50 hrs 22 g

used tree supports on bottm part for the extrusion element to be supported.

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