



Anderson/ Powerpole wall plate



taxilian

[VIEW IN BROWSER](#)

updated 11. 8. 2022 | published 11. 8. 2022

Summary

From the same people who brought you HamStudy.org, this is a customizable wall plate for anderson/powerpole...

[Hobby & Makers](#) > [Electronics](#)

Tags: [customizer](#)

From the same people who brought you HamStudy.org, this is a customizable wall plate for anderson/powerpole connectors. You can make it handle as many as will fit on the single-gang plate.

For the retaining pin to hold the connectors in I use a 12AWG solid wire; usually a scrap of the copper ground wire from a romex 2+1. stick it through and then bend it at the top and bottom a bit and it works great.

IN ADDITION! This thing is crazy customizable; you can do a lot more with it if you play with it a bit. See some of the photos for examples.

Things to try:

- Disable the screw holes by setting plate_screw_shank to 0
- Make it all a flat plate by setting plate_depth and plate_thickness the same; optionally disable rounded corners by setting plate_corners to 0

- Turn it into a panel mount powerpole block by:
 - setting the depth and thickness to 1 or 2
 - decreasing screw_distance
 - decreasing plate_width and plate_height to what you want
 - set plate_border to 0 (optional, but may help in some cases to let it be smaller)

Just about everything is customizable, allowing up to 3 boxes and whatever configuration in each of those boxes you want. I used it to create a wall plate to handle 2 3 pin connectors which I use for 24Vdc in my ham radio communications trailer, but you can do whatever you want with it.

This is licensed non-commercial. If you need a commercial license, contact me and we'll discuss terms.

Print Settings

Printer Brand:

LulzBot

Printer:

TAZ 5

Rafts:

No

Supports:

No

Resolution:

Just about anything

Infill:

Infill is less important than the wall width; do that kinda thick-ish (I did 2mm)

Notes:

Really this is pretty easy to print; the settings you use just determine how it will look and how strong it will be when you're done. I use thicker walls to help prevent delamination, but that's me.

Category: Electronics

Model files



powerpole_combined_customizable.scad

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

License ©

This work is licensed under a
Creative Commons (4.0 International License)



Attribution-NonCommercial

-
- ✗ | Sharing without ATTRIBUTION
 - ✓ | Remix Culture allowed
 - ✗ | Commercial Use
 - ✗ | Free Cultural Works
 - ✗ | Meets Open Definition