

Netgear Switch Stand

Version 1.0



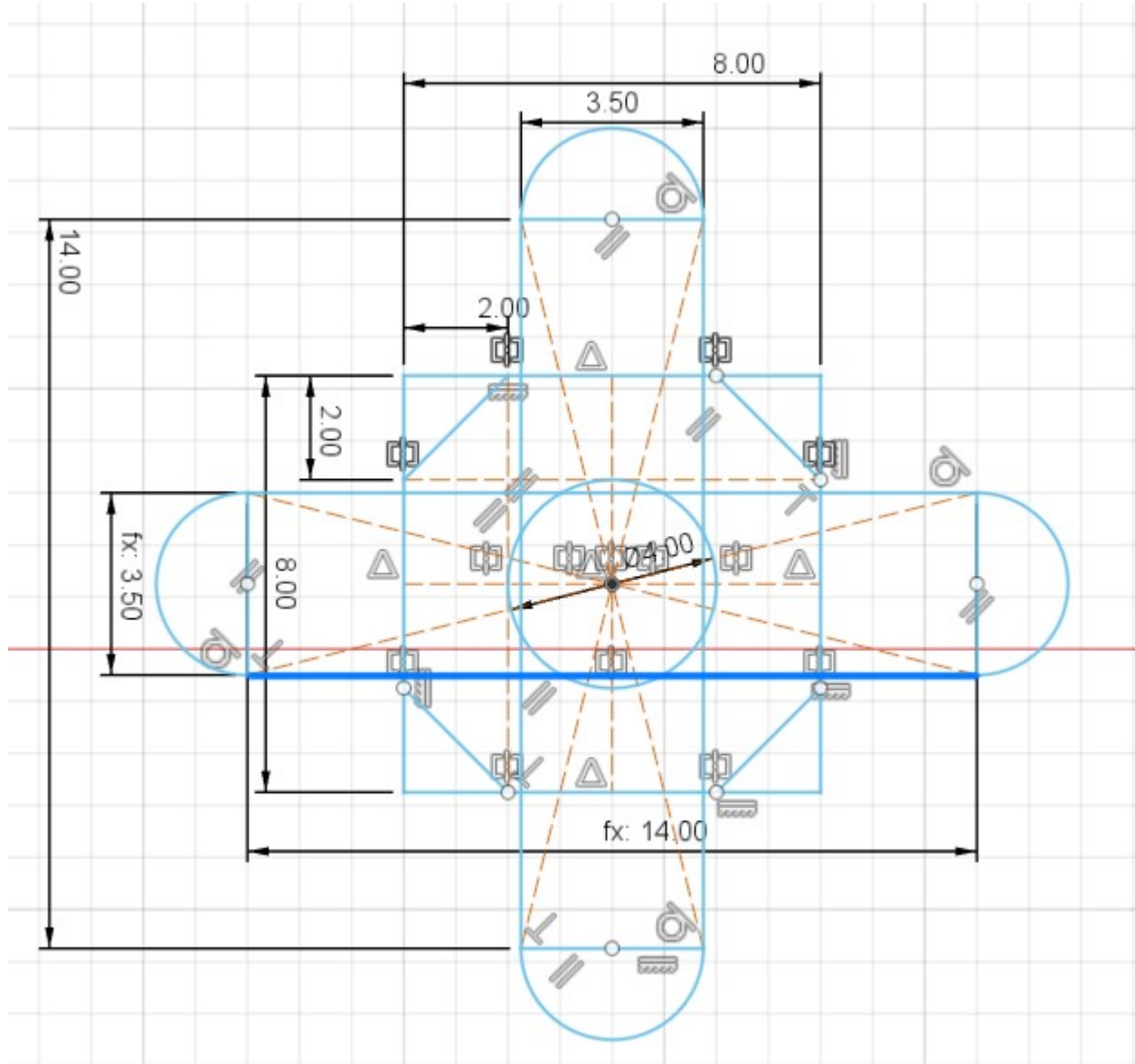
Project Goals

This is a kit to mount a Netgear Switch to a Metal Pegboard using expansion Anchors and brackets. There are 2 main parts: the switch and the power supply shelf.

Sketches

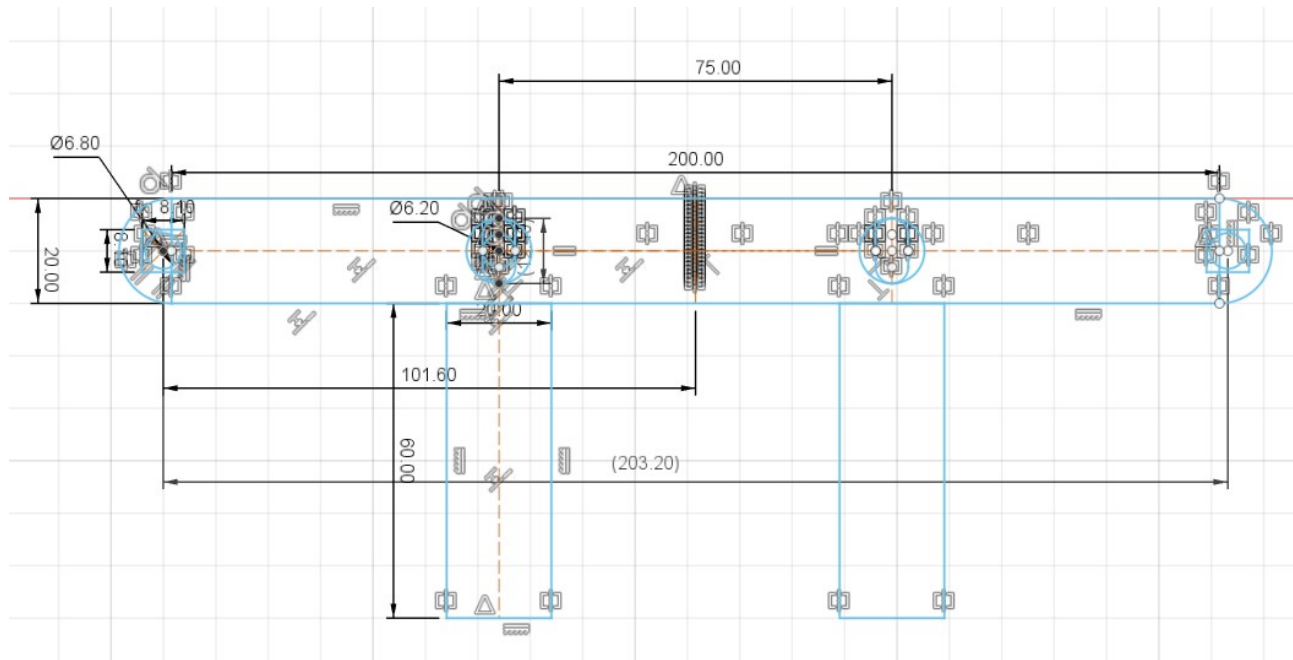
Anchor sketch

This is the component that enters in the back slot of the switch and lock it.



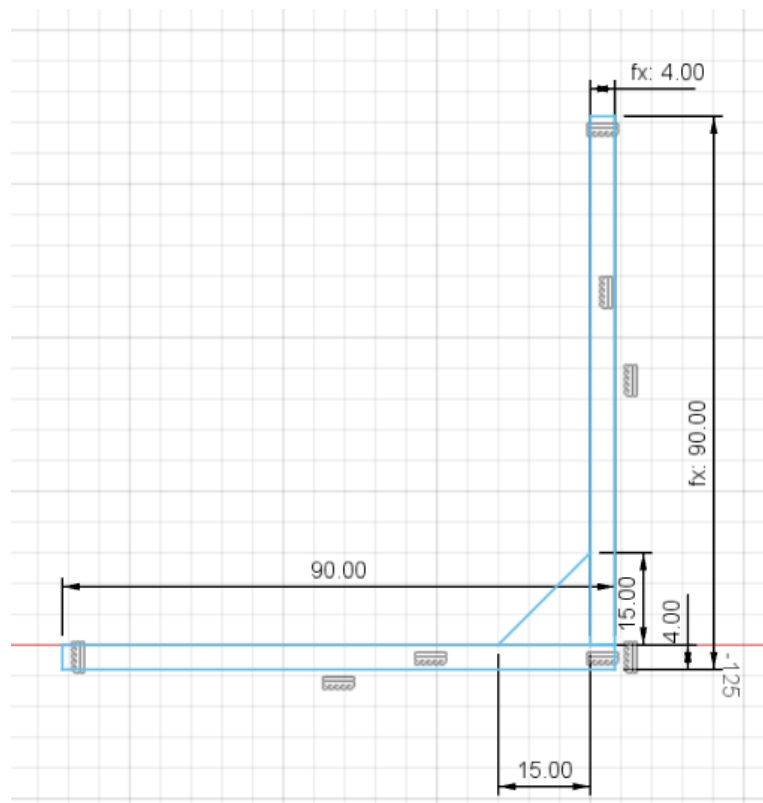
Switch Bracket Sketch

This is the main bracket that is connected to the pegboard and to the hooks.



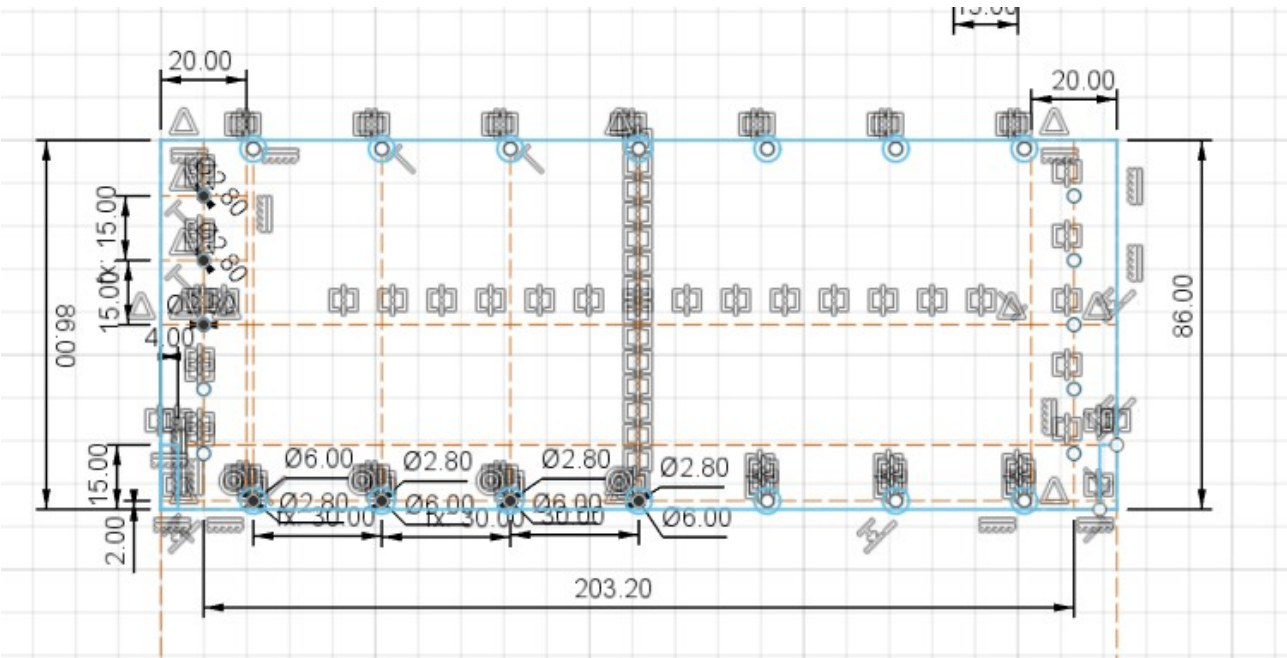
Power shelf bracket Sketch

This is the L Shaped bracket used for the power shelf



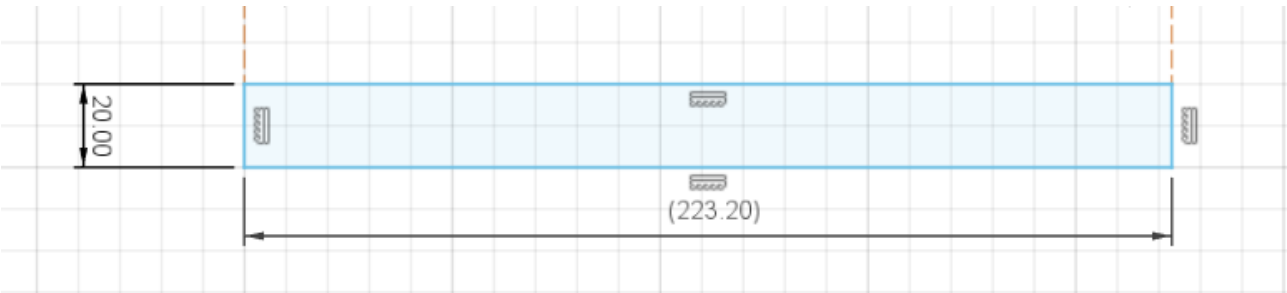
Power Shelf plate sketch

This is the lower plate for the power supply shelf



Power Shelf front sketch

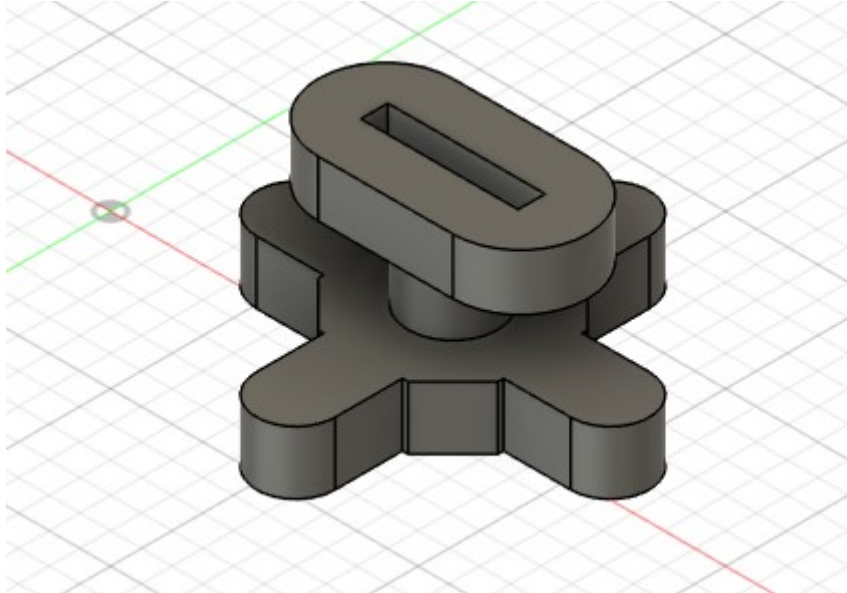
This is the front side of the power shelf.



3D Models

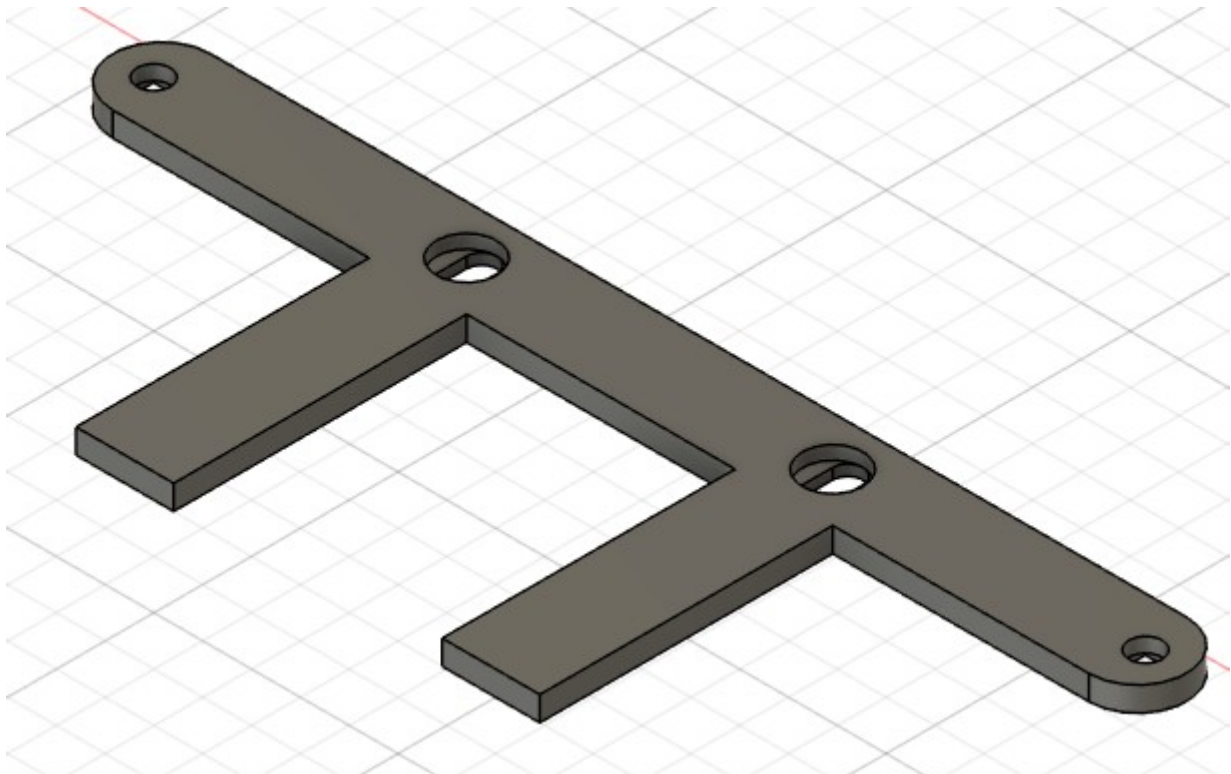
Anchor 3D Model

The anchor inner part is 2.80 mm, the top part is 2.50 mm



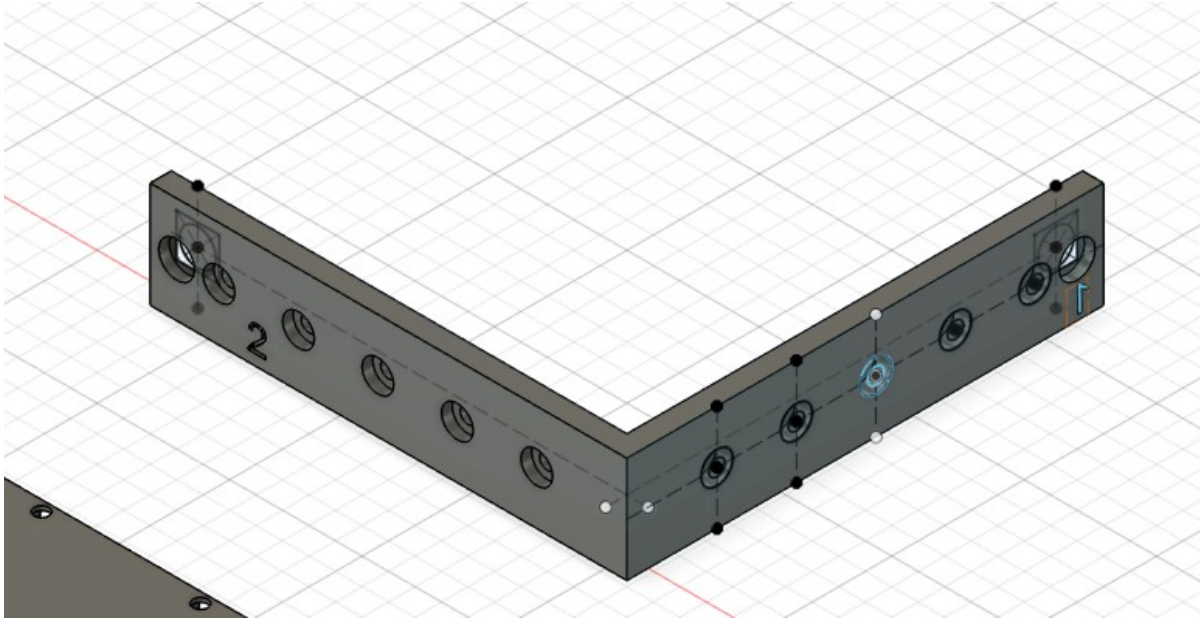
Switch Bracket 3D Model

The bracket thickness is 5 mm



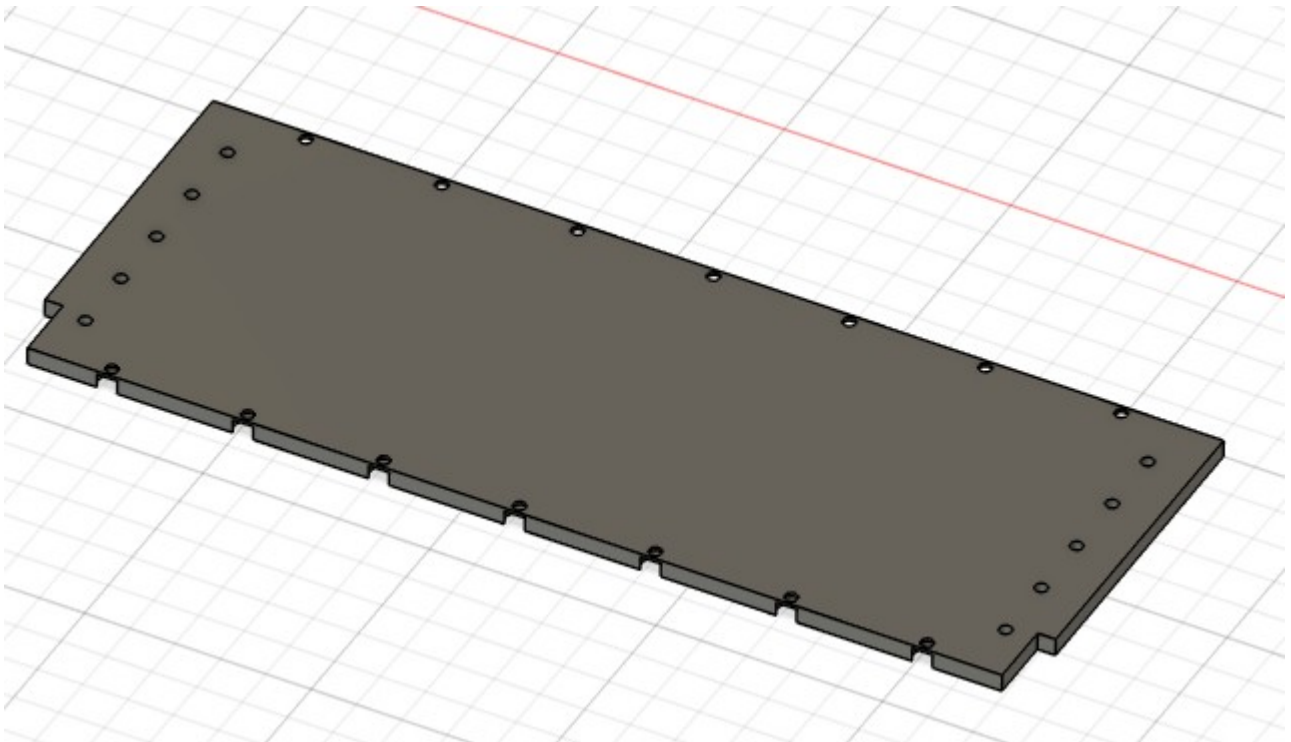
Power shelf bracket 3D Model

The bracket thickness is 4 mm



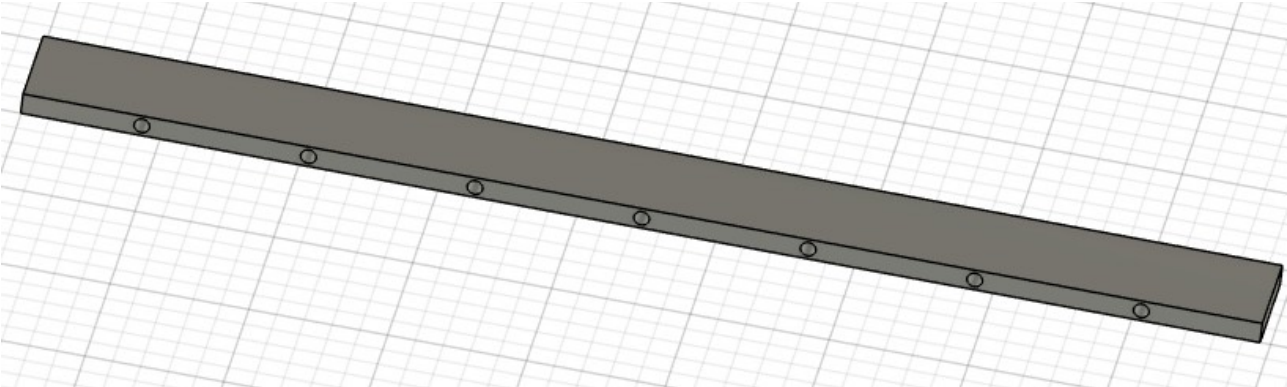
Power Shelf plate 3D Model

The plate thickness is 4 mm



Power Shelf front 3D Model

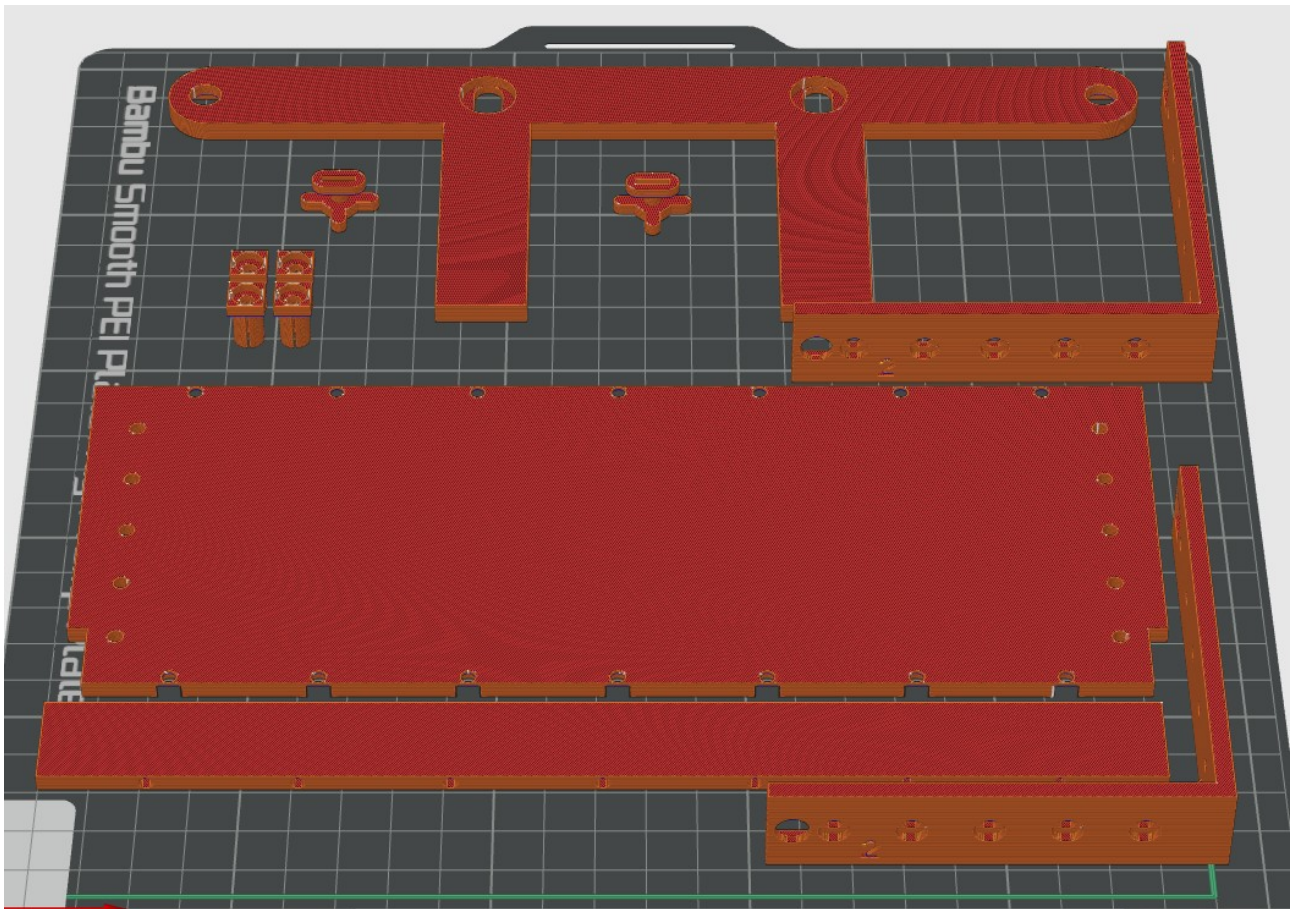
The front plate thickens is 4 mm



3D Printer Layout

This is the 3D printer plate with all components required

PLA Printing time on Bambulab P1S: 2h 44m



Final Result



Switch Bracket



Power Supply Shelf



Suggestion for next iteration

The 2 hooks are really a pain in the butt for this project.

I created 2 separated hooks because it was otherwise impossible to print the bracket and also to keep a fast iteration pace. But anyway it is too easy to disconnect the switch from the wall while removing Ethernet cables.

Maybe I should use a kind of expansion anchor to connect the bracket to the switch.

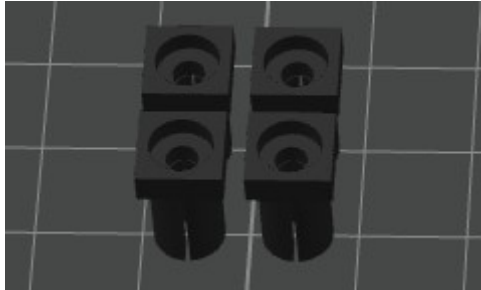
Or simply try to merge the hooks into the bracket and print in one piece using some support.



Reference

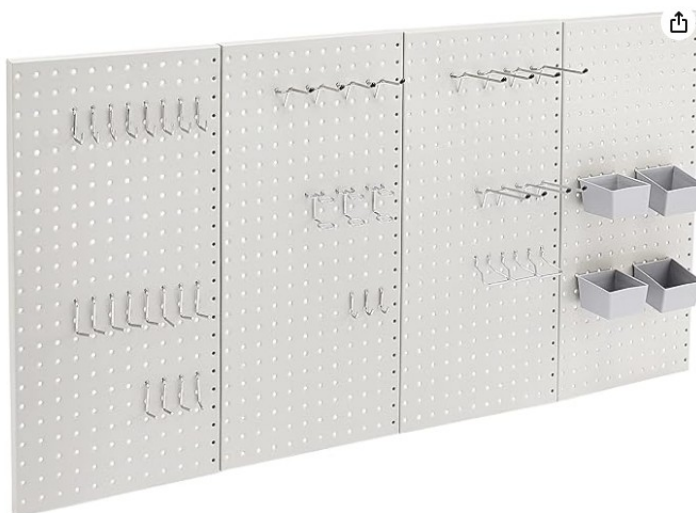
Expansion Anchor

See the project Expansion Anchor 1.0



Amazon Pegboard

Amazon DE: <https://amzn.eu/d/8XqDu2Y>



Amazon Basics 48 Piece Metal Rectangular Pegboard Set - Grey

[Visit the Amazon Basics Store](#)

4.3 ★★★★★ 479 ratings

€50⁸³ (€1.06 / stück)

Prices for items sold by Amazon include VAT. Depending on your delivery address, VAT may vary at Checkout. For other items, please see [details](#).

Size Name: 48 Teile

Colour	Gray
Brand	Amazon Basics
Material	Metal
Finish type	Polished
Mounting type	Wall Mount

About this item

- 48 piece pegboard set for clearing work areas and storing tools neatly (tools not included)
- Includes 4 metal pegboards, 4 plastic containers and 40 mini hooks and

Amazon.it: <https://amzn.eu/d/7wQn8La>

Holes distance: 25.4 mm

Holes size: 6.6 mm