



## Wall Plates (variety) - Fusion 360



tyler

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### Summary

The important stuff: This fusion file is set up to allow you to generate multiple types of north american wall plates,...

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The important stuff:

This fusion file is set up to allow you to generate multiple types of north american wall plates, as well as single or multiple gangs, and oversize or undersize plates.

To choose the type, unsupress one sketch that corresponds with the type of wall plate that you'd like to make. If it doesn't look right, choose "compute all" from the "Modify" menu.

To change gangs (or other parameters) go to the "Modify" menu and "Change Parameters"

Note that one of the limitations of how I made this is that all the gangs will be the same plate type. Also, I doubt that multiple gangs will work as intended unless you leave the plate width on "standard (69.85mm)"

Please note that because of the wide variety of plates that can be generated from this file, I have not had a chance to test all the different variations. Please let me know if something doesn't fit and needs to be adjusted. In particular, the "Single Receptacle" plate was designed from dimensions found online. I did not have any way to even attempt to test that one.

I have also included a few STL files that I have pre-generated in case you don't have Fusion 360, but if you want anything custom, you'll need it.

Nov 16, 2023: I added a "MaterialThickness" parameter that can be modified if you don't like the default plate thickness.

## **Print instructions Print Settings**

**Printer Brand:** Anycubic

**Printer:** All-metal Mega

**Rafts:** No

**Supports:** No

**Resolution:** 0.2, 0.3

**Infill:** 20%

**Filament:** 3D Solutech PLA Premium Real White

**Notes:**

I had the best luck printing with the front facing down. I set layer height in Cura to 0.3, turned off supports, and enabled adaptive layers (I thought the curved edges might end up looking nicer?). Depending on your build surface, this may not look good, and you might want to print it face up instead, you'll just have supports to deal with. I also printed one at 0.2 that came out very nice and adjusted z-hop and combing settings so that there were no travel lines.

**If you liked and used this, please post a make! It will help other community members see what variations people have had success with.**

## **This remix is based on**



## Wall Plates (variety) - Fusion 360

by dtylerb



## Wall Plates (variety) - Fusion 360

by dtylerb

## Model files



**decora.stl**



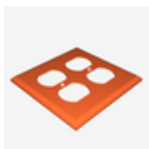
**single\_receptacle.stl**



**ac\_plug.stl**



**light\_switch.stl**



**ac\_plug\_-\_2\_gangs.stl**



**coaxial.stl**



**decora\_-\_2\_gangs.stl**

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**blank.stl**

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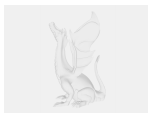
**blank\_-\_2\_gangs.stl**

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**light\_switch\_-\_2\_gangs.stl**

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**wall-plates.f3d**

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

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