



# Modular Organizer Drawers

A Andre Campos

[VIEW IN BROWSER](#)

updated 28. 1. 2021 | published 27. 1. 2021

## Summary

After browsing over several modular drawer or small compartments projects, and even started to print a highly rated...

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

Tags: [organizer](#) [modular](#) [storage](#) [drawer](#)

After browsing over several modular drawer or small compartments projects, and even started to print a highly rated one, I realized that they were not ideal for my primary use case that was to store various types of small screw, nuts and other components that I use in my 3D prints.

I created this one with shallow drawers with multiple bin size options so it can adapt to the type of items you wish to store in each one.

The module consists of an outer shell with connection points on each corner, 3 different types of connectors for central, corner and lateral faces of the stack, as well as 4 different internally layouts for the drawers that you stack horizontally and vertically to better fit the space you have.

## Print instructions

### External Shell

Should be printed perpendicular to the printing bead, just make sure that the back part with a small lip is facing down, no support material needed.

## Drawers

Print them with the bottom on the print bead. Since all the walls are thin, with 2 perimeters, there is no need to for infill. Due to the small overhang on the spherical handle, I added support materials to ensure a good finish, it might still work without support, but I haven't tried printing without them.

## Connectors

Print them so they are standing up on the print bead, no support material nor infill needed. Ensure that the flat end is facing down. To make the print more stable I made the connectors have half the length of the box, so you need to print 2 of them for each connection. I strongly suggest adding a skirt to this print to avoid having failed prints, I went for batches of 8-10 at a time, and with a 4mm brim all the parts became connected improving bead adhesion with no failed prints, definitively worth the additional 5 minutes for each batch.

## Model files



**drawer-1x1.stl**



**drawer-2x2.stl**



**drawer-3x3.stl**



**drawer-2x1.stl**



**2-way-connector.stl**



**external-shell.stl**

---



**4-way-connector.stl**

---



**1-way-connector.stl**

## License ©



This work is licensed under a  
[Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by-nc/4.0/)

**Attribution-NonCommercial**

---

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