



## Gridfinity Bin 1x4 divided into 6 compartments with covers (REMIX) Version 1.0



MyStoopidStuff

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## Summary

This is a remix of Ch3vr0n's 6 compartment Gridfinity bin, which adds some covers to help keep tiny parts from migrating

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

Tags: [boxes](#) [gridfinity](#) [gridfinitybin](#)

**There is an updated Version 2.1 of this model, which uses filament hinges. I recommend trying the filament hinge model over this version, since it is much easier to assemble. You can find the updated version at the link below:**  
**<https://www.printables.com/model/834174-gridfinity-1xy-multi-compartment-lidded-bins-with>**

This is a remix of [Ch3vr0n's 6 compartment Gridfinity bin](#), which adds some covers to the 4x1 bin with 6 slots. Thanks to [Ch3vr0n](#) for the 6 bin design, and for the feedback on this design, which helped to improve it!

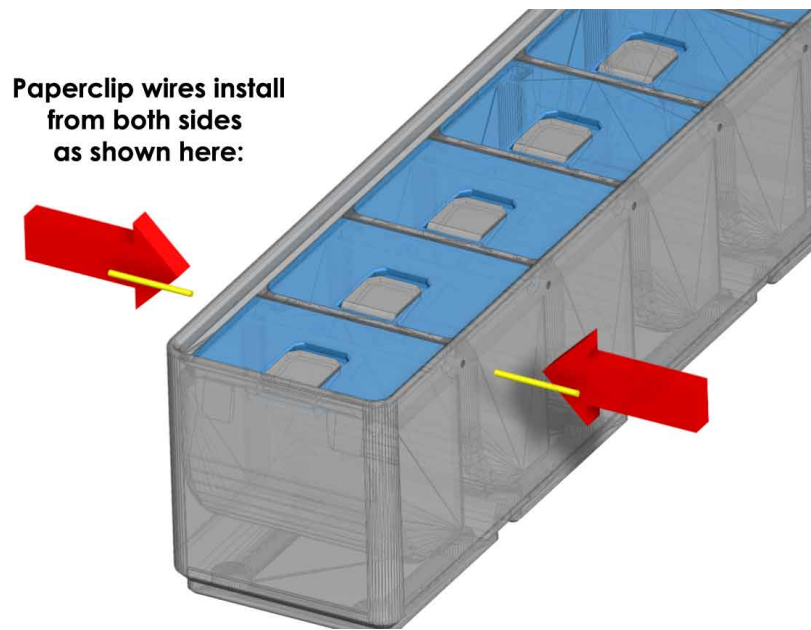
This model is designed to work with the [Gridfinity Box For Stuff V2.0](#), and is 6U high with a 1x4U footprint. The covers are intended to prevent the migration of tiny parts between the bins, when used in the case.

## **Safety and Assembly info:**

**If you make or assemble these, it is at your own risk. Please protect your eyeballs and wear some safety glasses when assembling the door hinges. Clipping the paperclip wires with the side cutters can send the cut ends of the wires flying. If you cannot get the wire installed, STOP and investigate the print, since it should not take a great amount of force to install the wires, and you may have an issue with the print which is blocking the holes for the wire hinge. Do not push too hard on the wire when installing the wire hinges, and always press against a solid surface (not your hand).**

**To avoid a nasty poke if the hinge wire were to burst through the door or other side of the bin, if using too much force, do NOT press the hinge wires in place if your hand or other body part is on the other side. The hinge wires do not go all the way through the doors, they only go in about 15mm.**

To assemble the doors, use a couple large paperclips (mine had a wire diameter of about 1.05mm), and straighten them so they can be used as hinge pins for the doors. **Great care must be taken with the paperclip wires, since they require some force to insert (I used a pliers to install the larger wires).** To install the doors, the paperclip wire was inserted from both sides until it stopped (**the wire will only go about 15mm**). Then the wire was backed out the wire about 1mm, and cut flush using diagonal flush cutters (which come with most 3D printers). I used pliers to insert the wires, since they are a snug fit with the holes. Note that the **wire will not go all the way through the doors**, and should be installed in two parts, from each side as shown in the pic below:



If you intend to print these in one color, you can use the file named:

#### **4x1x6BINS\_LIDS\_w\_TABS.stl**

If you want to print the tabs in a different color, then use the files listed below (load both together into the slicer together so they maintain their orientation). **The tabs use an integrated hinge**, so they need to print with the door (so load them into the slicer together). This way they are split into two models (tab and door) for multicolor printing (which makes coloring much simpler in the slicer).

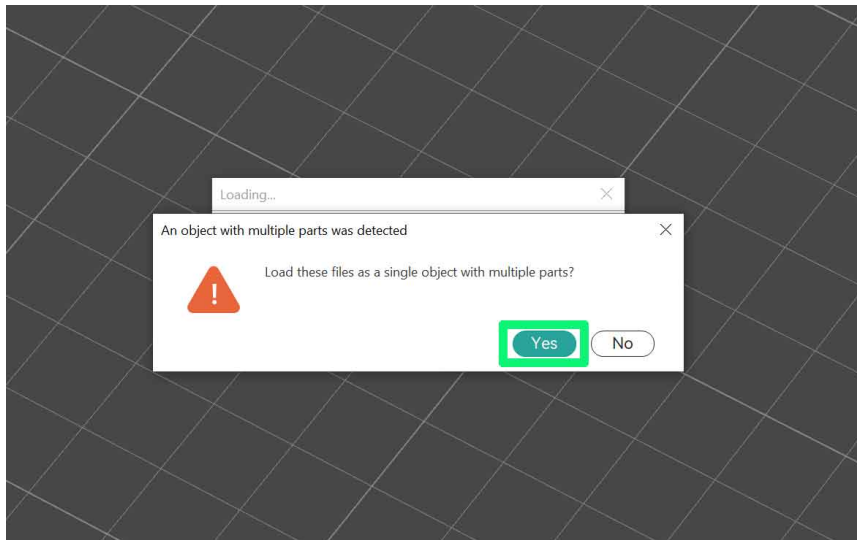
#### **For Multicolor printing only:**

Load these into the slicer together:

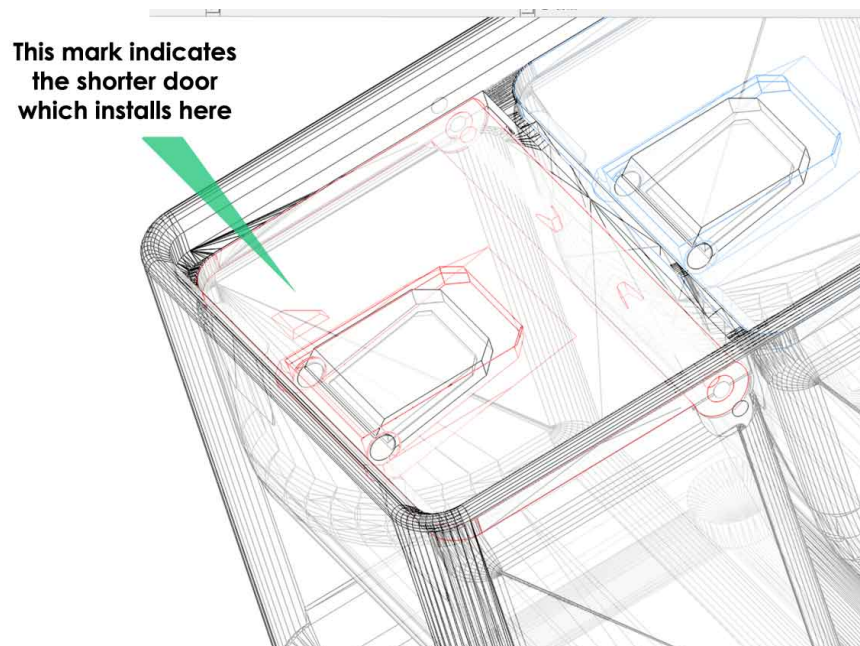
#### **4x1x6BINS\_LIDS\_2\_COLOR.STL**

#### **4x1x6BINS\_TABS\_2\_COLOR.STL**

In Orcaslicer (others should be similar), you can load two or more objects together by dropping them together on the build plate and answering “yes” when it asks if you want to load the files as a single object. Doing this will maintain the orientation of the door and tabs which is required for them to print correctly.



Note that one door is slightly shorter than the rest. This short door has a small mark on the inside surface, which should help to ID it during assembly. The shorter door installs in the first bin as shown in the pic below:



The doors on the bins have room for a 9mm wide Brother P-Touch Label (or smaller).

The STEP file is included, which has all the models used in this design.

**Other stuff:**

If you need some **bins for small parts**, the following bins with covers are a good option to use with the Box For Stuff **20 bin** and **25 bin** cases (or other 6U tall cases):

1. **1x1, 1x2 (3 Compartment) and 1x4 (6Compartment) bins with lids (6U) - version 2.1**
2. **1 compartment 2x1 (6U) bin with a magnet pickup tool**
3. **1x2, 1x3, 1x4 (6U and 12U) Lidded Bin for Stuff with Latch Version 2.0**
4. **2x2, 2x3, 2x4 (6U and 12U) Lidded Bin for Stuff with Latch Version 2.0**
5. **3x3, 3x4 (6U and 12U) Lidded Bin for Stuff with Latch Version 2.0**

If you want to check out my other **Gridfinity cases**, you can find them at the links below:

1. **Gridfinity Box For Stuff 20 bin (6U)**
2. **Gridfinity Box For Stuff 25 bin (6U) (max size for a Bambu X1C/P1S)**
3. **Gridfinity Box For Stuff 16 bin (6U) (Ender 3 size)**
4. **Gridfinity Box For Stuff 16 bin - 12U deep version (Ender 3 size)**
5. **Gridfinity Box For Stuff 2 bin (6U) mini version (can be used to test)**

If you want to store some small hardware and need some good labeled bins, **Ch3vr0n** posted some segmented bins for the Gridfinity system here:

<https://www.printables.com/model/732655-gridfinity-boxes-for-gridfinity-box-for-stuff-20-b>

**UPDATE 2/8/2024:** Based on feedback (thanks **Ch3vr0n**!) , the tab design is slightly changed to allow it to swing open a bit more, to about 70° (vs about 50°). This is version 4C, and the STEP file has been updated with this change as well.

**If you find these models useful, please post a like or a comment with some pics of your prints.**

**You can find the other things I'm working on at my blog [here](#). You can also follow me here on Printables to see what new stuff I post. If you would like to support my work, you can Buy Me A Coffee using this link:**

<https://www.buymeacoffee.com/mystoopidstuff>

**Thanks for looking!**

## **Thanks and Acknowledgements:**

The models here could not have been made without the work of [Zach Freedman](#), who introduced the world to Gridfinity, and then set it free for everyone to use. These models are not based on direct remixing of Zach's original models, but they are fully compatible, and use the same, or a similar specification for the bin bases, bin lips and base grids, which Zach Freedman developed. Zach Freedman's work is available on [Thangs](#), and you can find examples of his Gridfinity designs [here](#) and [here](#), which are available under his MIT license. If you like this model, or want to learn more about Gridfinity, you can check out Zach Freedman's [YouTube](#), or **you can support Zach Freedman's work on Patreon ( [patreon.com/zackfreedman](https://patreon.com/zackfreedman) )**.

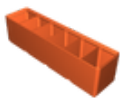
## **This remix is based on**



### **Gridfinity Boxes for Gridfinity Box For Stuff 20 bin version**

by [Ch3vr0n](#)

## **Model files**



**4x1x6bins\_base.stl**



**4x1x6bins\_lids\_w\_tabs.stl**

☐ Doors with Tabs for single color printing



**4x1x6bins\_lids\_2\_color.stl**

☐ For 2 Color Printing - Load both 2\_COLOR Files together in the slicer.



### 4x1x6bins\_tabs\_2\_color.stl

☐ For 2 Color Printing - Load both 2\_COLOR Files together in the slicer.

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### 4x1x6bins\_covered\_4c.stp

☐ STEP file for easy remix'n

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