



Flip cartridge box for Stock Pot cartridge player

ifross Hobby & DIY > Electronics  : 3D Preview

Print Profile (1)



0.2mm layer, 3 walls, 15% infill

Designer  5.0 (1)[Download 3MF](#)

Description

Flip cartridge box for Stock Pot cartridge player



I recently made the excellent Cartridge Player created by The Stock Pot, here are the links on how to build or buy it for yourselves:

- Blog: <https://www.thestockpot.net/videos/cartrdgeplayer>
- Store: <https://www.thestockpot.net/store/p/cartridge-player>
- Printables: <https://www.printables.com/model/1337649-esphome-cartridge-player/files>
- GitHub: <https://github.com/TheStockPot/NFC-Cartridge-Player>
- Youtube video:



I made a few cartridges and then realised I did not have anywhere to store the cartridges. I wanted to build a holder for them that I felt was in theme with the design principles of the player itself: being able to flick through the different cartridges gives that old-school tactile experience that I think is in keeping with the player itself.

The cartridges I used for my project were a remix that had the sticker recessed, these are here:

<https://makerworld.com/en/models/1571988-cartridge-for-cartridge-player#profileId-1653443>

Print profile

I have added a print profile that demonstrates how to print the box in multi-colour. If you have an AMS, you can use filament changes at certain layers to change the colour. If you don't have an AMS then you can add pauses and manually change the filament. If you only have 1 AMS like I do, you can manually change the filaments in the AMS as the print progresses to print in 5+ colours.

Design

I have designed the cartridge box as two separate models that need assembly, this allows for easy customisation of colours without an AMS. I printed boxes that hold 6 cartridges, as this is the max size that can be printed on my A1 mini. I have included boxes with the number of slots from 3 to 10. I can upload more sizes as needed, as I have designed it as a parametric model in FreeCad.

Assembly

Once you have printed the box and slots, you need to put it together. The slots have a recess on the bottom on one side. To assemble, try and get the side without the recess seated on the bump in the box, with the other side over the opposite bump in the box. Like in the picture:

≡



You can then push down on the top and with a bit of force it should click into place.



Tips:

- Work from back to front when adding the slots
- The front slot is the hardest to seat due to the lack of flexibility of the box sides, keep going and you should get there
- When using force to seat the slots, try not to put too much lateral pressure on the slots, as they are weakest along the layer lines, and can break if you aren't careful
- It can help to try and pull the sides of the box apart when adding the slots
- If all else fails, you can try printing the slots a bit narrower by scaling the model in the slicer, although this is untested. Try maybe 0.2 - 0.4mm as if you go too much smaller the cartridges won't fit

cartridge storage stock pot flip

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@Hashy

Yeah I can confirm; adding slots front to back will give you a headache. Listen to ifross, he knows what he's talking about, & by golly he's made a fun build here! It's just the perfect addition for our cartridges.
I had settled originally for just printing up a collapsible crate which was scaled to fit the cartridges standing upright, but I soon realised that if I filled the crate, I couldn't flick through them. ifross has solved this problem. It works!

I printed this Flip Cartridge Box on a Creality Ender 3 V3 SE, using 'Creality EN-PLA' White prototyping filament.

Thank you so much for creating this Ross, you are a legend mate!! <3



2025-08-06 11:47 The designer has replied

0 Reply



@user_145681937

Glad you like it :)

2025-08-06 12:24

1 Reply



testperson

BY NC SA profile

0.2mm layer, 3 walls, 15% infill



perfect model and good settings



2025-10-06 17:41

Box - small and print in place

YogiTech

8.1 k ⬇ 10.2 k ⬇ 54.1 k



Dinosaur T-REX Pencil Holder

Arthalino Design No more

2.9 k ⬇ 12.7 k ⬇ 33.9 k



Show original ⬇ 0 ⬇ Reply

Box with Lid Mini Slide Box

Industrieer

1 k ⬇ 6.4 k ⬇ 40.6 k



Organizer Box

Benjamin Kott ✓

2.1 k ⬇ 12.3 k ⬇ 42.3 k



SnapLock Storage Boxes

Hugo

3 k ⬇ 9.7 k ⬇ 31.7 k



Gridfinity Cable Organizing Boxes

Dead Pixel

1.4 k ⬇ 5.7 k ⬇ 26 k



Bambu Accessory Box-A1/A1 mini...

MingGY

5.1 k ⬇ 13.1 k ⬇ 39.8 k



Uno Card Box - SnapLock

mteomarch

4.8 k ⬇ 9.9 k ⬇ 31.8 k



Spiral Vase

MaXiLuPa

1.7 k ⬇ 4.4 k ⬇ 30.3 k



Box opener plastic knife with tee...

t0maszek

1.5 k ⬇ 10.9 k ⬇ 42.3 k



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Longracks Labs

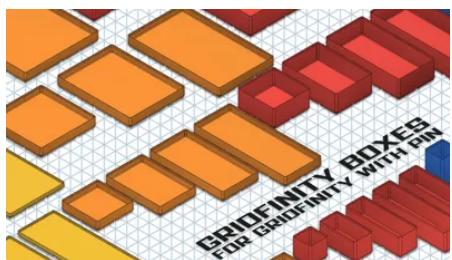
7.5 k ⬇ 9 k ⬇ 68.4 k



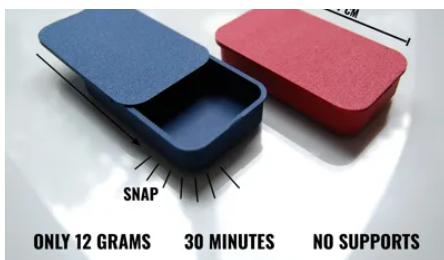
Ultimate Filament Spool Enclosur...

Supergrapher

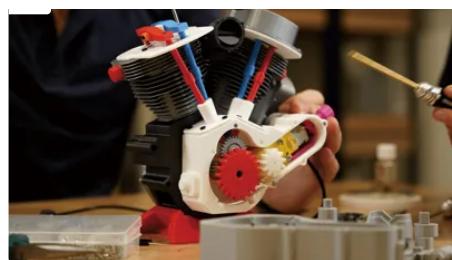
16.8 k ⬇ 23.5 k ⬇ 59.1 k



Gridfinity Boxes for Gridfinity wit...
One Maker Show
2.1 k ⌂ 5 k ⌄ 29.2 k



Mini Pocket Container
Arc3dprinting
1.3 k ⌂ 9.9 k ⌄ 33.4 k



Engine Model 005
Bambu Lab ✅
1.1 k ⌂ 6.2 k ⌄ 26.9 k



Ultimate Gridfinity Bins Collectio...
ABDELat
3 k ⌂ 7.6 k ⌄ 30.9 k



AMS Desiccant Box (no Spool Rem...
Simple
2.5 k ⌂ 6.2 k ⌄ 27.1 k



Parametric Sorting Tray
Benjamin Kott ✅
3.1 k ⌂ 15 k ⌄ 31.8 k



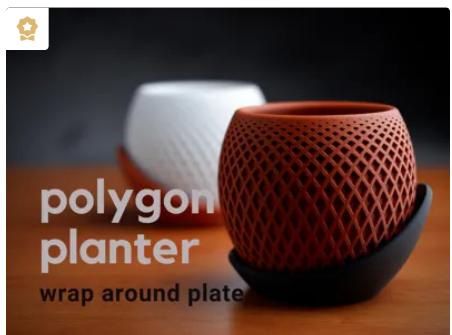
Z-axis bearing protection
Mc2.project3D ✅
1.9 k ⌂ 10.9 k ⌄ 38.6 k



AMS Dry Pods Lrg, Sml, Hygro, Tra...
mcmaven ✅
8.8 k ⌂ 10 k ⌄ 63.7 k



LED Lamp 001
Bambu Lab ✅
3.2 k ⌂ 7.3 k ⌄ 76.5 k



polygon planter · wrap around pl...
h3lio ✅
2.8 k ⌂ 10.2 k ⌄ 31.1 k



Easy Removable poop bucket - A1...
Rober7Crow
7.7 k ⌂ 14.2 k ⌄ 76 k



Piano Music Box Hand Winding Ki...
SheepMe!
3.2 k ⌂ 4.1 k ⌄ 32.6 k



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