



## Bambu Lab P1 X1 Filter Cover 11/22



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### Summary

Models for a flush filter cover and one that holds a hygrometer.

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### Bambu Lab P1 / X1 Series Filter Cover (4/25/2023)

Designed alternative filter covers for Bambu Lab printers.

#### Latest Update

11/22/2023

- Added additional size for the X1 filter covers that decreases or increase the distance from the hygrometer to the filter
  - Base x1 file has 6.5mm of clearance
    - The 5.5 mm version will add more clearance from the build plate but it will lessen the clearance to the filter
    - The 7 mm version will add more clearance from the filter but it'll lessen the clearance to the build plate

5/22/2023

- Added filter cover that works with the hygrometer and the x1/x1c.
  - New model now clears the filter in the x1/x1c.
  - Big thanks to @mars3142\_732125 for the recommendation , testing, and validation.

## **Files**

### **Main Files**

1. Filter\_Cover\_Flush
2. Filter\_Cover\_Hygrometer
3. Filter\_Cover\_Hygrometer\_x1

### **Alternative Files**

1. Filter Cover with Hygrometer X1 5.5 mm
2. Filter Cover with Hygrometer X1 7 mm

### **Print File**

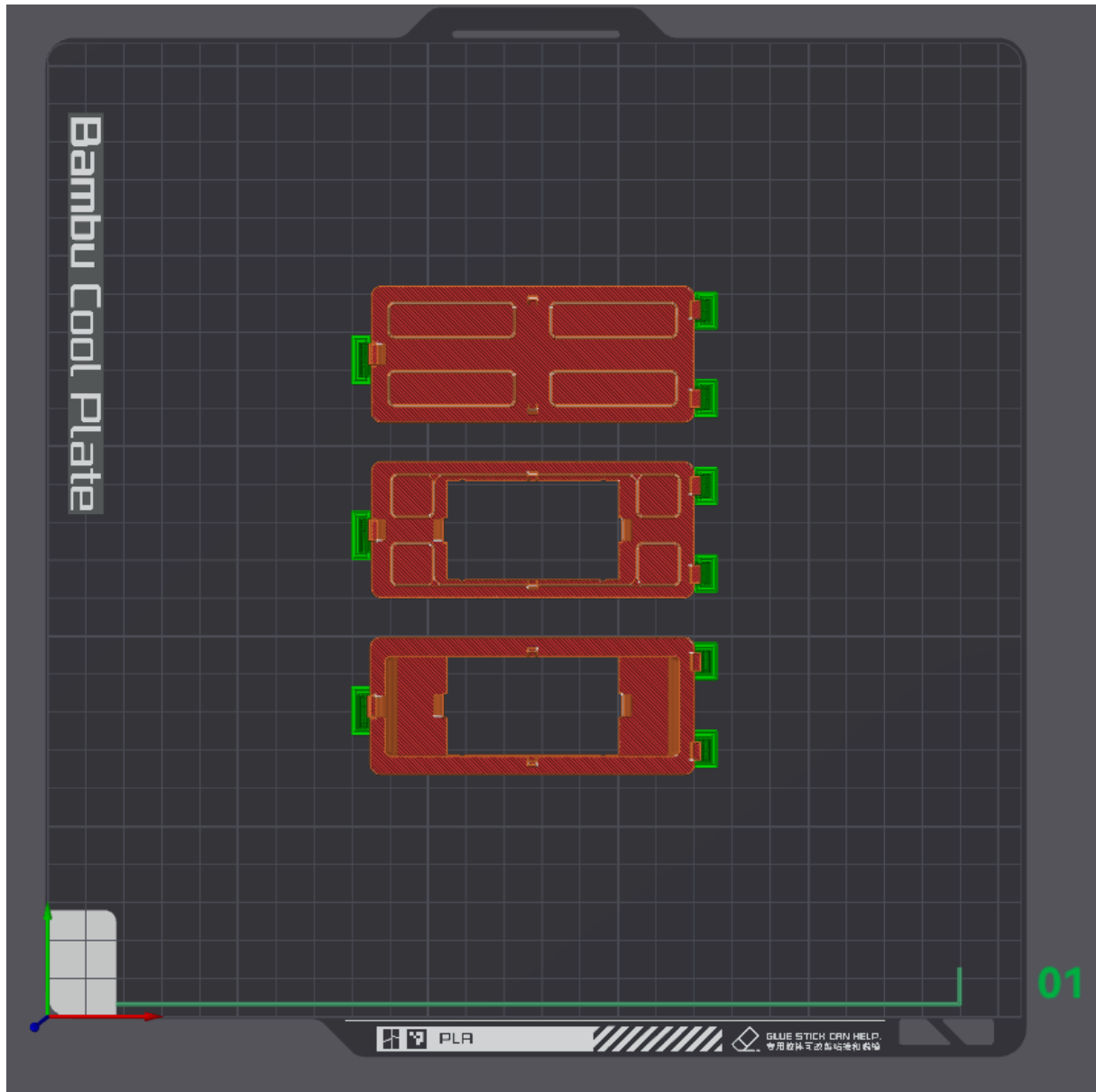
1. Filter Cover Print File

## **Additional Parts**

(If using a Hygrometer)

1. Hygrometer - [https://www.amazon.com/dp/B07GNMKYCZ?psc=1&ref=ppx\\_yo2ov\\_dt\\_b\\_product\\_details](https://www.amazon.com/dp/B07GNMKYCZ?psc=1&ref=ppx_yo2ov_dt_b_product_details)
  1. Most of the Amazon ones are the same, as long as the dimensions are 1.89" x 1.13" / 48mm x 28.6mm

## Print Orientation



## Print Settings

**DO NOT USE PLA, IT WILL BREAK.** Please use PETG, ASA, PLA+ , etc.

I used Polylite Pro PLA+

**Set your K calibration and adjust setting based on your filament Quality**

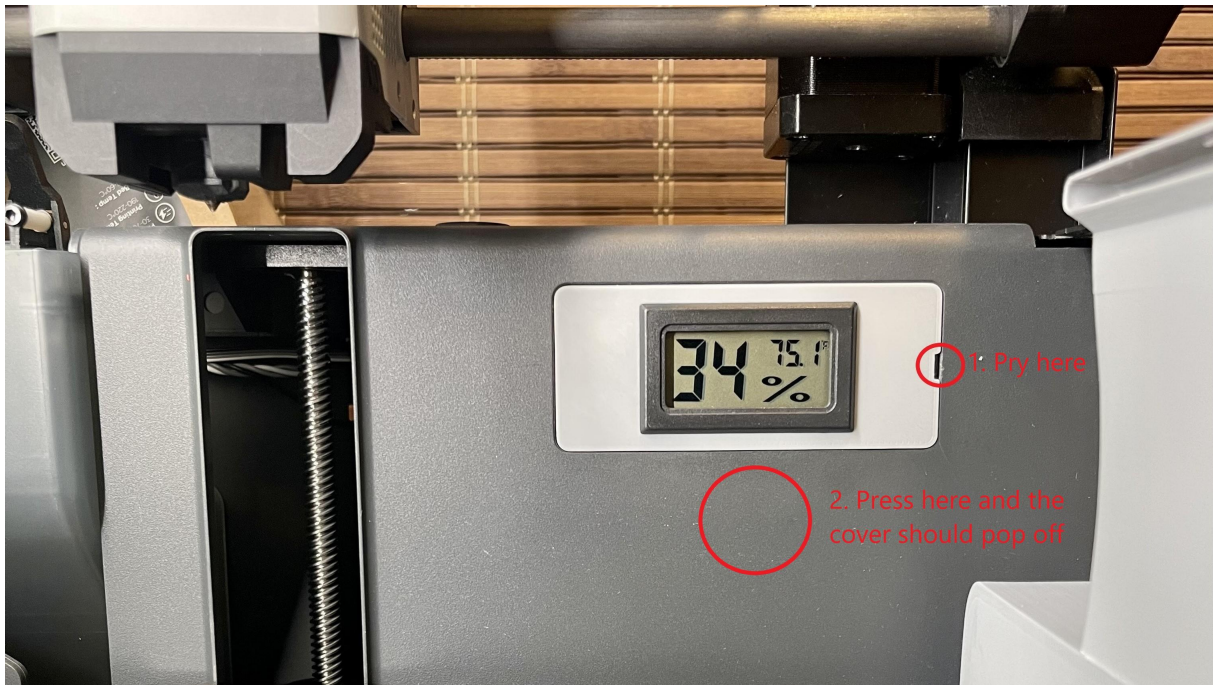
- Please see build plate file.

## Support

- Please see build plate file.

## Assembly

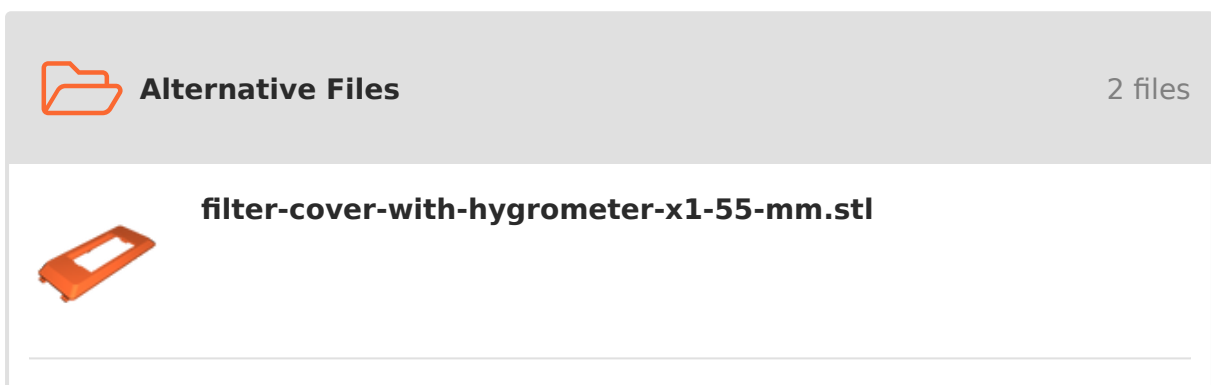
1. Insert left side first.
2. Give the right side a little bend so it'll snap in easier.
3. Snap in the center top and bottom.
4. To remove, use a small flathead in the area circled below.



If you like my designs and want to say thanks, you can buy me a coffee and help fund the filaments I need for prototyping. A donation of any amount to [Buy Me a Coffee](#) or [PayPal](#) would be greatly appreciated!

**As always, given different printing environments, filaments, etc., prints may not work perfectly for everyone. If you are having issues please message or comment and I will try my best to resolve the issue.**

## Model files





**filter-cover-with-hygrometer-x1-7mm.stl**



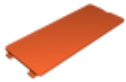
**Current**

4 files



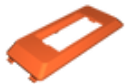
**filter\_cover\_hygrometer.stl**

☐ Current



**filter\_cover\_flush.stl**

☐ Current



**filter\_cover\_hygrometer\_x1.stl**

☐ Current



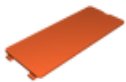
**filter-cover-print-file.3mf**

☐ Current



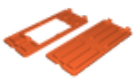
**Archived**

3 files



**filter\_cover\_flush-old.stl**

☐ Old



**filter-cover-print-file-old.3mf**

☐ Old



filter\_cover\_hygrometer-old.stl

☐ Old

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