

## Gridfinity Generic DevBoard Holder



fhessel

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### Summary

Gridfinity bin with a 0.1" grid for development boards with bottom pin headers (ESP32, Raspberry Pi Pico, ...)



7.00 hrs



2 pcs



0.20 mm  
0.30 mm



0.40 mm  
0.60 mm



PLA



69 g



Prusa  
MK3/S/S+

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Tags: [electronics](#) [gridfinity](#) [developmentboard](#) [microcontroller](#)

This holder allows to store development boards with pins mounted on the bottom in [Zack Freedman's Gridfinity system](#). As such boards come in various sizes (e.g. different ESP8266 or ESP32 boards, Raspberry Pi Pico, Arduino Nano, ...), the surface of this holder just mimics a breadboard by providing a 0.1" grid. The holder as such is **stackable**, so that you can put multiple DevBoard holders on top of each other. On the bottom, the model uses **half-sized profiles**, which allows stacking it on top of smaller Gridfinity bins, which you might use to store your electronic components. There are **multiple sizes** of the holder available, either in 2 or 3 height units. The 2 unit one will probably only take very flat boards without any larger components on the top or become unstackable.

## Print Settings

Like with most Gridfinity bins:


- Layer height of 0.2 or 0.3mm, at least for the bottom and top profiles don't go higher than that
- You can reduce material consumption by reducing perimeters and infill



Also, after slicing, check the grid in the box if it has been sliced without artifacts (like missing separation lines). For Prusa Slicer, this should work without issues for versions >2.5 with the Arachne algorithm being chosen.

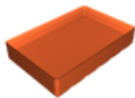

For most common nozzle sizes, the edges of the grid should be sliced as a single perimeter. I haven't found a way yet to convince the slicer to print them in an efficient order – if you have an idea, please let me know :)



If you need more sizes, please just leave a comment.

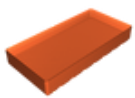

## Model files

 **Height 3 units** 8 files

**devboard-holder-2x3-3h.step**  
 2×3 | 0.1" grid: 29×46

**devboard-holder-2x3-3h.stl**  
 2×3 | 0.1" grid: 29×46

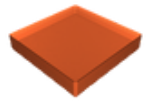
**devboard-holder-2x4-3h.step**  
 2×4 | 0.1" grid: 29×62

**devboard-holder-2x4-3h.stl**  
 2×4 | 0.1" grid: 29×62



### devboard-holder-3x3-3h.step

3x3 | 0.1" grid: 46x46



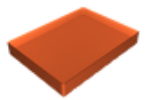
### devboard-holder-3x3-3h.stl

3x3 | 0.1" grid: 46x46



### devboard-holder-3x4-3h.step

3x4 | 0.1" grid: 46x62



### devboard-holder-3x4-3h.stl

3x4 | 0.1" grid: 46x62



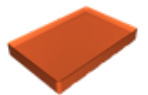
## Height 2 units

8 files



### devboard-holder-2x3-2h.step

2x3 | 0.1" grid: 29x46



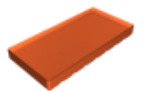
### devboard-holder-2x3-2h.stl

2x3 | 0.1" grid: 29x46



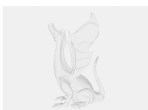
### devboard-holder-2x4-2h.step

2x4 | 0.1" grid: 29x62



### devboard-holder-2x4-2h.stl

2x4 | 0.1" grid: 29x62



### devboard-holder-3x3-2h.step

3x3 | 0.1" grid: 46x46



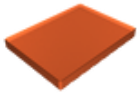
### devboard-holder-3x3-2h.stl

3x3 | 0.1" grid: 46x46



### devboard-holder-3x4-2h.step

3x4 | 0.1" grid: 46x62



### devboard-holder-3x4-2h.stl

3x4 | 0.1" grid: 46x62

## Print files



### devboard-holder-2x3-3h\_02mm\_pla\_mk3s\_7h0m.gcode

PLA 0.40 mm 0.20 mm 7.00 hrs 69 g Prusa MK3/S/S+

Sliced with Prusa Slicer 2.5.2 for Generic PLA



### devboard-holder-2x3-3h\_06n\_03mm\_pla\_mk3s\_4h51m.gcode

PLA 0.60 mm 0.30 mm 4.86 hrs 75 g Prusa MK3/S/S+

Sliced with Prusa Slicer 2.5.2 for Generic PLA

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