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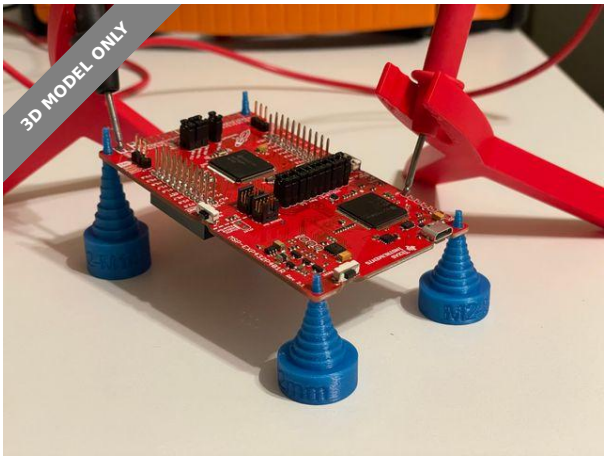

Parametric, stackable PCB standoffs (M2-M14 holes)

bw3dp

VIEW IN BROWSER

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Summary

Simple, parametric PCB standoffs that fit metric holes. Use for a stand, to angle the board, or as hole size gauge.

Hobby & Makers > Electronics

Tags: parametric support fusion360 standoff metric pcb hole

These are fully-stackable PCB stands and hole gauges. I made three step sizes, 1mm, 2mm, and 3mm.

The peg diameters go from M2-M14 (M2, M2.5, M3, M4, M5, M6, M7, M8, M10, M12, M14), and have a 4x step base.

These are great for putting under the PCB to give it a bit of an angle for soldering, to provide a bit of height so it's not resting on the components, or to use as a hole gauge. Multiple sizes can be used to achieve different combinations of each of these. For example, you could use the 3mm stands for the back of the board and the 2mm stands for the front to provide lift and tilt.

The same-height stands stack, so they can be easily organized and put away. That is, the 2mm size stack with the other 2mm size, 3mm with 3mm, etc.

These can be printed with 0.3mm DRAFT, but I'd suggest 0.2mm so that the fine details of some of the smaller diameters remain - especially with the 1mm model. The pictures I've posted here are of 0.3mm, just so you know. So, er, yeah... just print them at 0.2mm unless you're in a hurry. I designed in PLA, but there shouldn't be any issue with using PETG.

Model files

m2-m14_2mm_stackheight.stl

m2-m14_3mm_stackheight.stl

m2-m14_1mm_stackheight.stl

metric-hole-cones-v10.f3d

parametric fusion360 model

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