

Qwiicplate - DIN all the Things!



herr_brain

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updated 27. 6. 2023 | published 27. 6. 2023

Summary

Mounting brackets for Qwiic/STEMMA QT sensor boards, Adafruit Feather, Sparkfun Thing Plus, and Raspberry Pi Zero

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Tags: [raspberrypizero](#) [mount](#) [mountingbracket](#) [freecad](#)
[feather](#) [dinrail](#) [electronicsmount](#) [parametric](#) [qwiic](#) [din](#)
[step](#) [stemmaq](#)

New version! [QtQwiicCliq](#) ("cutie quick click") improves almost every aspect of this design, and adds a stud-based mounting option for faster prototyping.

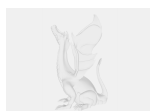
Over the years I have accrued a moderately large collection of [Sparkfun Qwiic](#) and [Adafruit Stemma QT](#) sensor boards that I intend to use in my printer enclosure. Naturally, being a [DIN-obsessed individual](#), I decided to make DIN plates for all of them. Of course, I also have a few different development boards lying around, so I also created variants compatible with the [Sparkfun Thing+](#), [Adafruit Feather](#), and [Raspberry Pi Zero](#) families of boards. All of these plates have a 51mm M3 holes spacing designed to be compatible with [Fabian's fabulous DIN brackets](#) (and of course [my redux version](#)).

As always, I've included the STEP and CAD files. Feel free to remix to your heart's content (including for commercial use). All I ask is that you respect the CC-BY license if you are going to remix and/or sell it.

Print Settings

Print with a 0.4mm nozzle and 0.2 or 0.3mm layer height. PETG is recommended since it is less likely to crack when inserting screws.

Model files

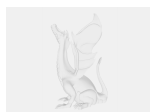


qwiicplate.fcstd



qwiicplate-thingplus.3mf

☐ Sparkfun Thing Plus

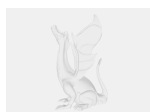


qwiicplate-thingplus.step

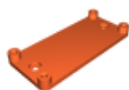


qwiicplate-feather.3mf

☐ Adafruit Feather

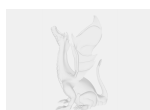


qwiicplate-feather.step

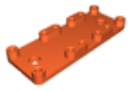


qwiicplate-pizero.3mf

☐ Raspberry Pi Zero



qwiicplate-pizero.step

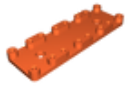


qwiiplate-1s2a.3mf

☐ 1 Sparkfun, 2 Adafruit sensor modules

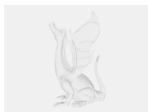


qwiiplate-1s2a.step



qwiiplate-4a.3mf

☐ 4 Adafruit 1x0.7in modules



qwiiplate-4a.step



qwiiplate-3s.3mf

☐ 3 Sparkfun 1x1in modules



qwiiplate-3s.step

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