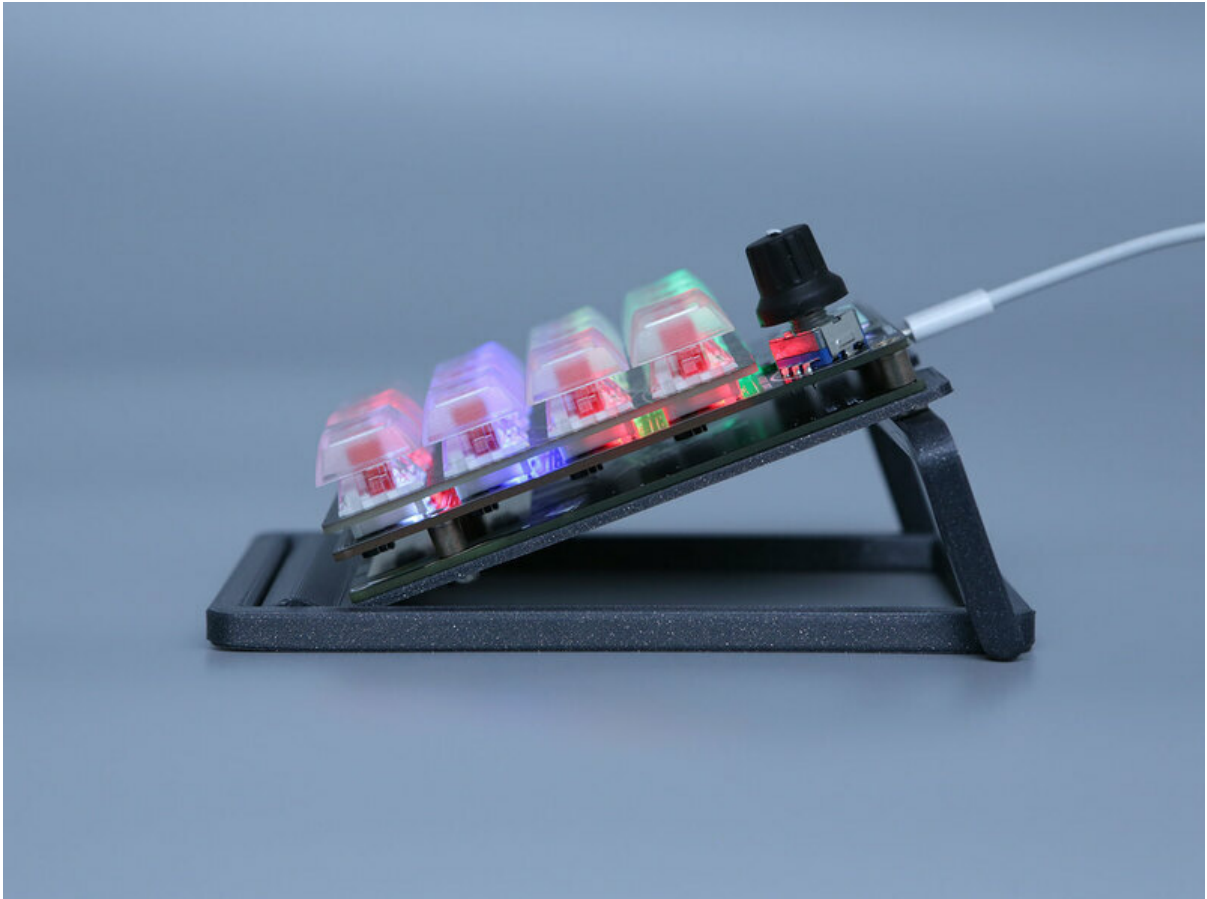




3D Printed Stand for MacroPad RP2040

Created by Ruiz Brothers



<https://learn.adafruit.com/3d-printed-stand-for-macropad-rp2040>

Last updated on 2024-06-03 03:26:22 PM EDT

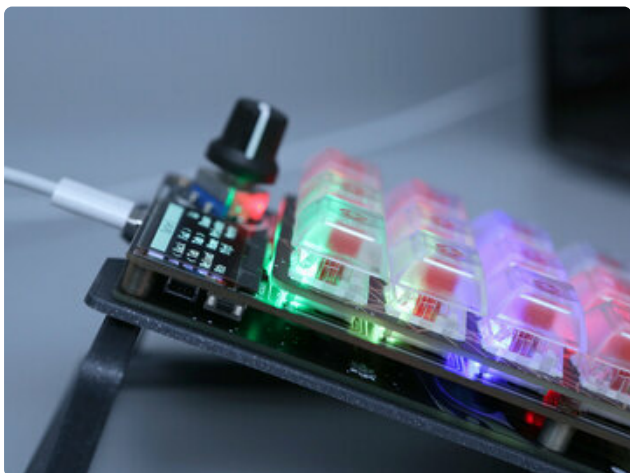
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Overview



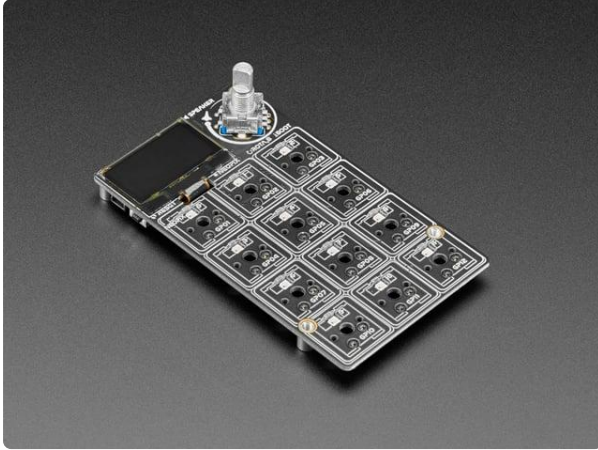
Make a stand for your MacroPad RP2040! This features a hinged kick stand that allows you to prop up your MacroPad RP2040. It's a print-in-place design that can be 3D printed without any support material.



Easy Assembly

Use M3 x 6mm screws to secure the MacroPad RP2040 to the mounting holes on the base of the stand.

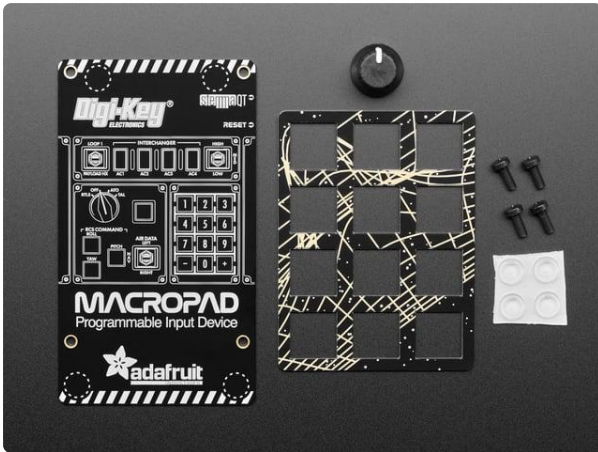
Parts



[Adafruit MACROPAD RP2040 Bare Bones - 3x4 Keys + Encoder + OLED](https://www.adafruit.com/product/5100)

Strap yourself in, we're launching in T-minus 10 seconds...Destination? A new Class M planet called MACROPAD! M here, stands for Microcontroller because this 3x4 keyboard...

<https://www.adafruit.com/product/5100>



[Adafruit MacroPad RP2040 Enclosure + Hardware Add-on Pack](https://www.adafruit.com/product/5103)

Dress up your Adafruit MacroPad with PaintYourDragon's fabulous decorative silkscreen enclosure and hardware kit. You get the two custom PCBs that are cut to act as a protective...

<https://www.adafruit.com/product/5103>



[Adafruit MacroPad RP2040 Starter Kit - 3x4 Keys + Encoder + OLED](https://www.adafruit.com/product/5128)

Strap yourself in, we're launching in T-minus 10 seconds...Destination? A new Class M planet called MACROPAD! M here stands for Microcontroller because this 3x4 keyboard controller...

<https://www.adafruit.com/product/5128>

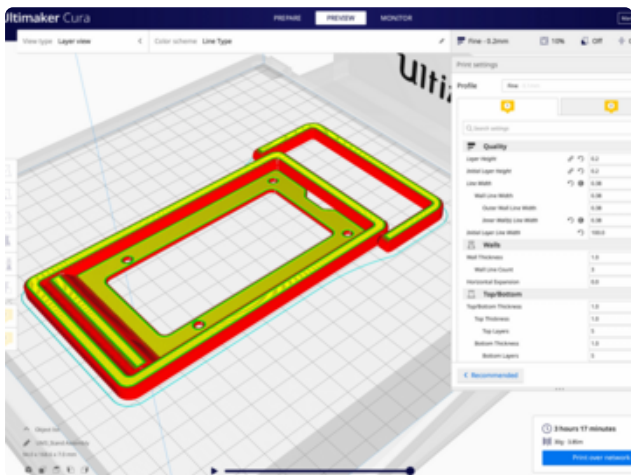


USB Type C Cable with Data/Charge Switch

Perhaps your smart phone, tablet, or even your Raspberry Pi 4, charges off of USB, but can you really trust that charging station at the airport? Now you can control when to allow...

<https://www.adafruit.com/product/4696>

3D Printing



Slicing Parts

Slice with setting for PLA material.

Minimum bed volume: 100mm x 170mm

The parts were sliced using CURA using the slice settings below.

PLA filament 220c extruder

0.2 layer height

10% gyroid infill

60mm/s print speed

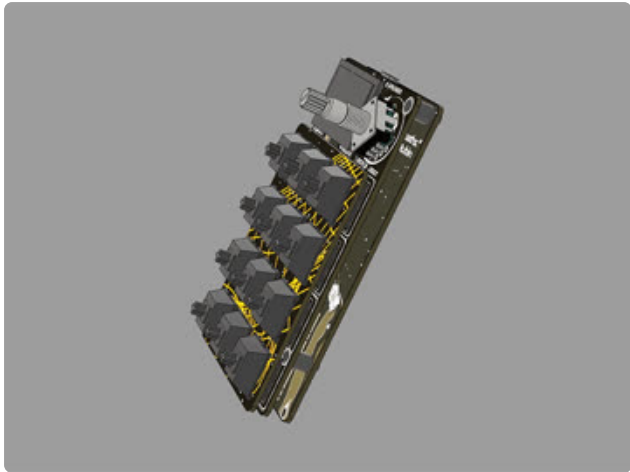
60c heated bed

[Download Design Source](#)

<https://adafru.it/TGe>

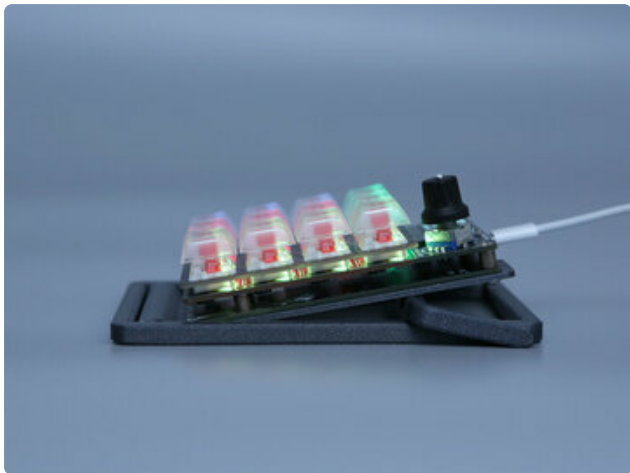
[Download STL](#)

<https://adafru.it/TGf>



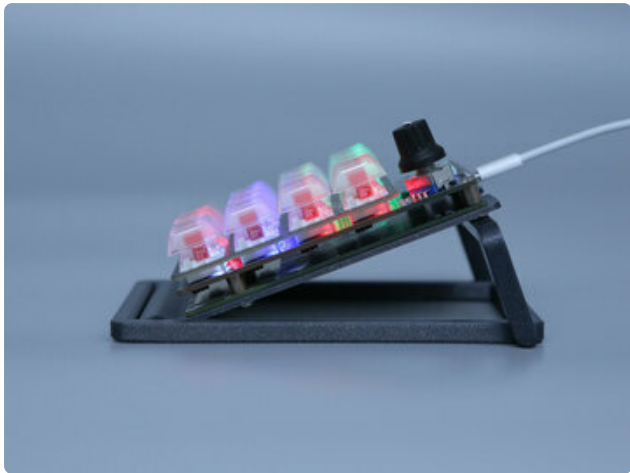
Design Source Files

The project assembly was designed in Fusion 360. This can be downloaded in different formats like STEP, STL and more. Electronic components like Adafruit's board, displays, connectors and more can be downloaded from the [Adafruit CAD parts GitHub Repo \(https://adafru.it/AW8\)](https://adafru.it/AW8).



Angles

Set the hinged kick stand in two different positions for better ergonomics.



Place the head of the screws over the dimples in the kick stand to keep it in place from slipping.