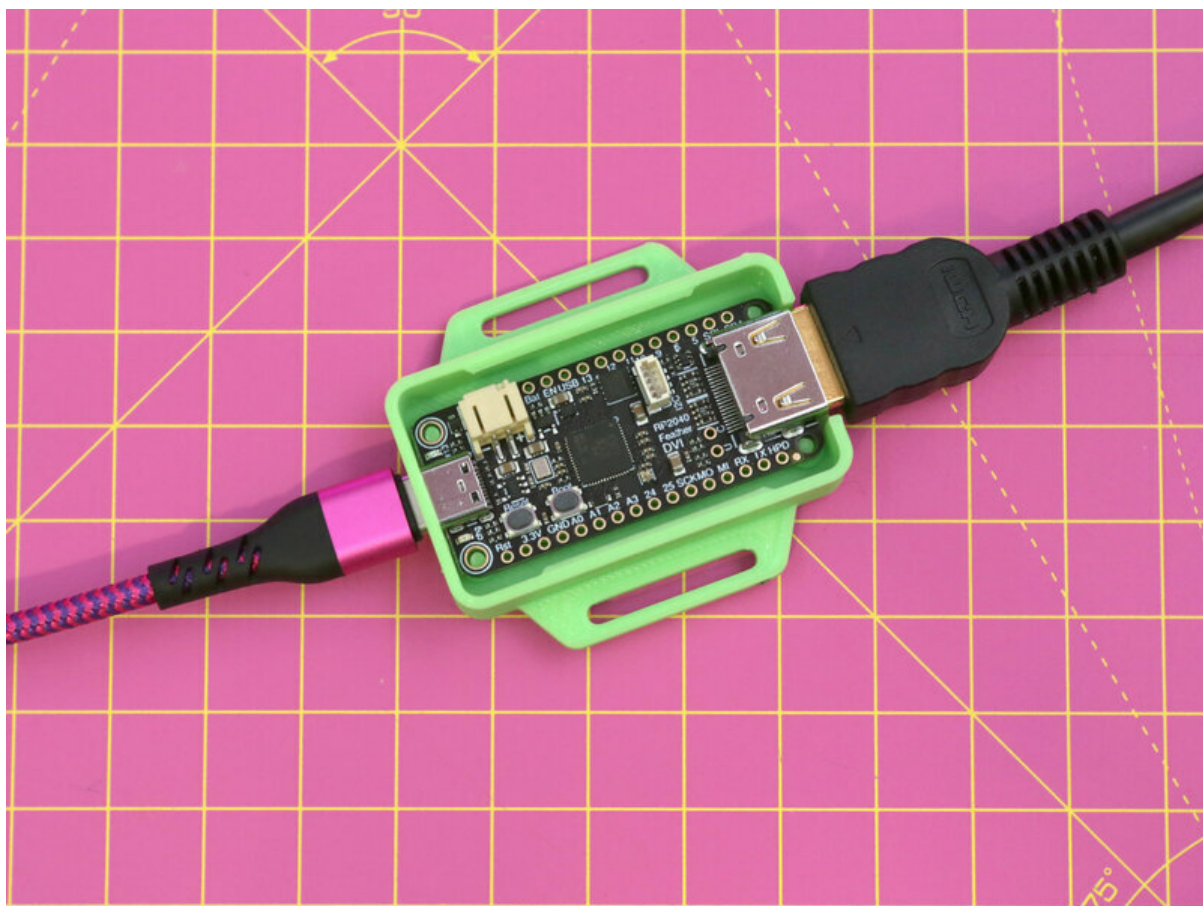




# Case for Feather RP2040 DVI

Created by Ruiz Brothers



<https://learn.adafruit.com/case-for-feather-rp2040-dvi>

Last updated on 2024-06-03 03:52:32 PM EDT

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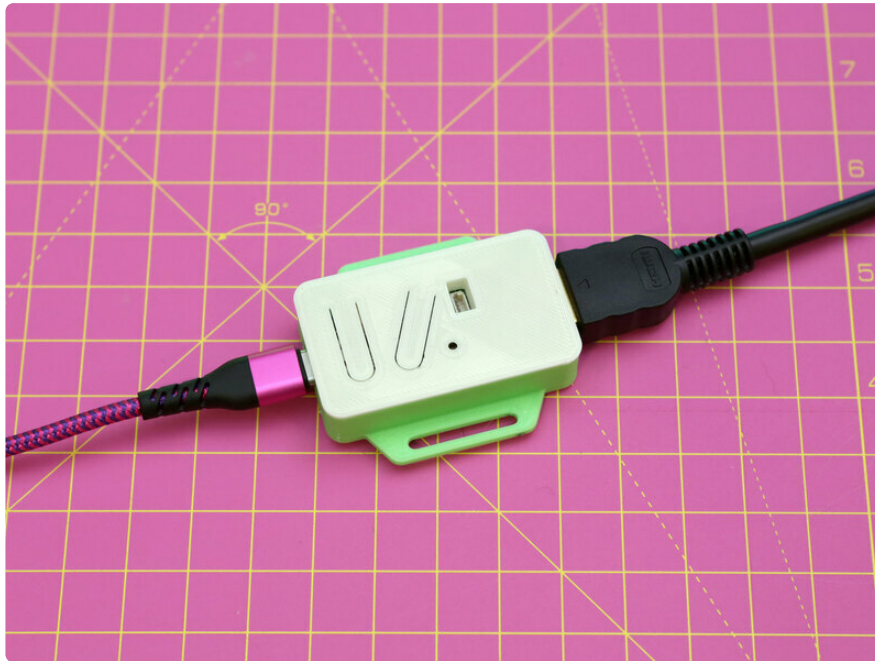
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# Overview



## 3D Printed Case

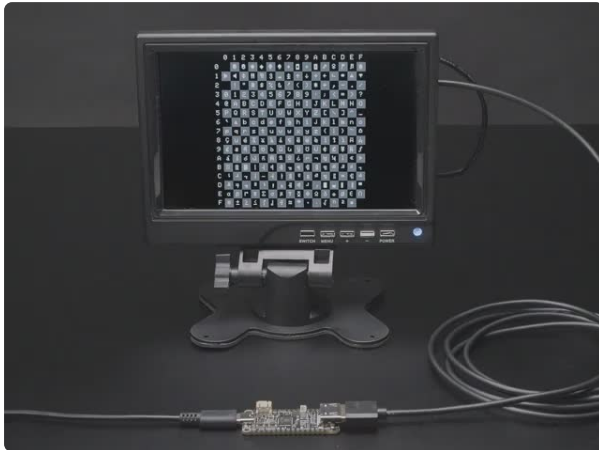
Make a snap fit case for the Feather RP2040 DVI. 3D print the parts in your favorite filament and secure your Feather without any hardware screws!



## Enclosure Features

The top cover features button pressers for both the BOOT and RESET buttons. The STEMMA QT port is accessible so you can plug-n-play I2C sensors with STEMMA QT. There's also a spot for the on-board NeoPixel to shine through.

## Parts



### [Adafruit Feather RP2040 with DVI Output Port - Works with HDMI](https://www.adafruit.com/product/5710)

Wouldn't it be cool if you could display images and graphics from a microcontroller directly to an HDMI monitor or television? We think so! So we designed this RP2040 Feather that...

<https://www.adafruit.com/product/5710>



### [Slim HDMI Cable - 1820mm / 6 feet long](https://www.adafruit.com/product/2422)

Connect two HDMI devices together and save space with this slim, high quality HDMI cable. It has nice molded grips for easy installation and is 1820mm long (~6 feet)...

<https://www.adafruit.com/product/2422>



### [Slim HDMI Cable - 450mm / 1.5 feet long](https://www.adafruit.com/product/2420)

Connect two HDMI devices together and save space with this slim, high quality HDMI cable. It has nice molded grips for easy installation and is 450mm long (~1.5 feet). Sporting...

<https://www.adafruit.com/product/2420>



### Pink and Purple Woven USB A to USB C Cable - 1 meter long

This cable is not only super-fashionable, with a woven pink and purple Blinka-like pattern, it's also made for USB C for our modernized breakout boards, Feathers, and...

<https://www.adafruit.com/product/5153>



### Pink and Purple Woven USB A to USB C Cable - 2 meters long

This cable is not only super-fashionable, with a woven pink and purple Blinka-like pattern, it's also made for USB C for our modernized breakout boards, Feathers and more.

<https://www.adafruit.com/product/5044>

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## CAD Files



### CAD Parts List

STL files for 3D printing are oriented to print "as-is" on FDM style machines. Parts are designed to 3D print without any support material using PLA filament. Original design source may be downloaded using the links below.

FDVI Case.stl

FDVI Top.stl

[Download STLs.zip](#)

<https://adafru.it/18LF>

[Download CAD source](#)

<https://adafru.it/18Ma>



## CAD Assembly

The USB port of the Feather RP2040 DVI board is oriented with the case's USB orientation.



## Build Volume

The parts require a 3D printer with a minimum build volume.

57mm (X) x 50mm (Y) x 14mm (Z)