



Adafruit Scorio dongle case



steve

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Summary

A modified version of the original case to use the Scorio as a logic analyzer



0.88 hrs



1 pcs



0.20 mm



0.40 mm



PLA



8 g



Prusa
MK3/S/S+

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I wanted to give the RP2040 a try as a logic analyzer and the Scorio is a prime candidate due to the 5V tolerant pins (as advertised by Adafruit on the [Scorio product page](#)). But I didn't want the Scorio flying around my desk with the danger of some pins shorting. I also wanted the case to be smaller and more dongle-like, as are many low-cost logic analyzers on the market, so I removed the mounting tabs from the original case and made some more modifications.

The 3mf project file includes support enforcers for the connector openings and a color change to make the embossed pin numbers easily readable. Since I wanted to print both parts of the case at the same time, the bottom

part of the case also ended up with a few black layers, which ended up looking quite nice.

The Scorpio is easy to install in the case but a little difficult to get out. It depends on how the 2x8 pin header was soldered onto the Scorpio PCB. I tried to get the lower edge of the black plastic part of the pin header to line up with the top face of the PCB and it worked out ok.

Improvements/changes I might do in the future:

- Remove opening for LiPo connector
- Shroud around 2x8 header
- Add openings for analog, I2C and more digital pins back in
- Scorpio text on case cover, increased size of pin numbers
- Decrease tolerances (the case has a little play, but with the 2x8 header soldered there's a little tension between the parts, such that it doesn't rattle anymore)
- Round off corners of USB-C connector opening even more
- Add mounting holes to bottom case part to make it also mountable

This remix is based on



Snap Fit Case for Feather RP2040 Scorpio

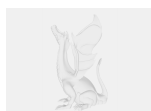
by Adafruit

Model files



scorpiocase.3mf

☐ Includes selective support enforcers for connector opening overhangs and color change



scorpiocase.step

Print files



scorpiocase_02mm_pla_mk3s_53m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 0.88 hrs ⚖️ 8 g 🖨️ Prusa MK3/S/S+

📄 See 3mf file

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