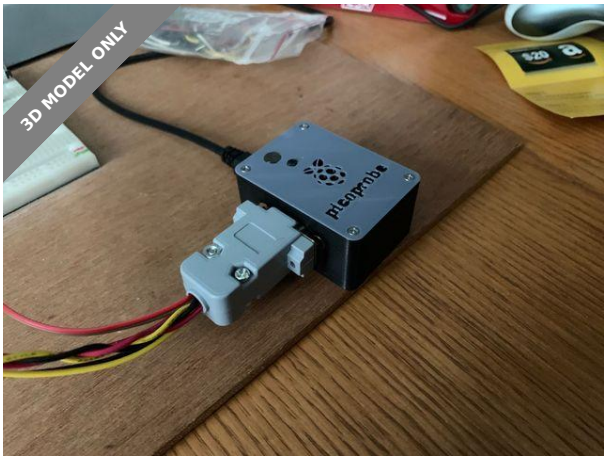

Raspberry Pi Pico PicoProbe Enclosure

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VIEW IN BROWSER

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Summary

Enclosure for Raspberry Pi PicoProbe using DB9 output connector.

Gadgets > Computers

Tags: raspberrypipico

When I started working with the Raspberry Pi Pico, I wanted to make a PicoProbe for easier code debugging. I came across an excellent case for the PicoProbe that was designed by Alan Reed. His site contains a great writeup of the design of the case and of the PicoProbe in general. However, I wanted to use parts I had on hand, so I modified Alan's design (with his permission) as follows:

- Added a restart switch to restart the PicoProbe when it hangs or when updating its software.
- Enlarged the light pipe diameter to suit what I had on hand.
- Replaced the JST output connectors with a single DB-9 connector.
- Enlarged the Raspberry Pi logo and made it cut completely through the lid for better ventilation.
- Replaced Alan's name with a larger PicoProbe label (sorry Alan).
- Reworked the button pusher to not need print support.

Note that the SCAD file requires the use of the OpenScad D-Sub Library that can be found HERE.

I printed all of the parts at 0.2mm with 20% infill and no support.

Model files

utilities.scad

pico.scad

db9enclosure.scad

db9buttonpresser.stl

db9enclosure.stl

db9lid.stl

raspberrylogo_fixed-sharp-edge.stl

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