New 3D Printed Enclosure

Sep 2026

Introduction

Well, here it is. I did do a couple of versions of this, but this is the one I prefer, even though it is a little tricky to put together. Here is the design.

You can download the STL file

HERE

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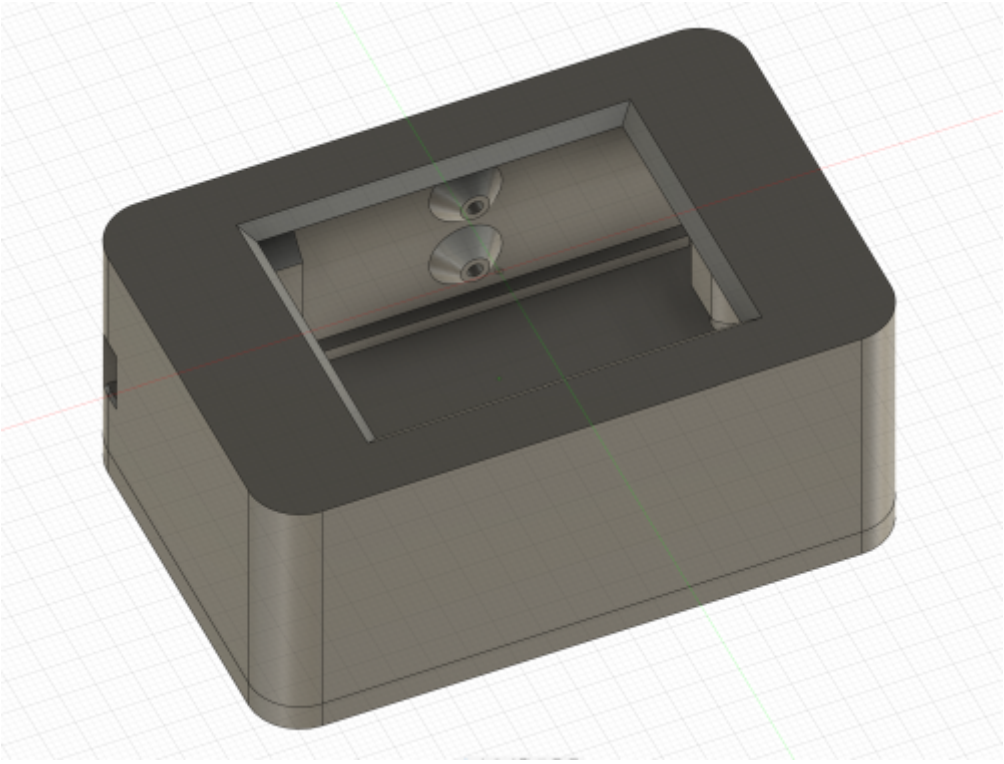
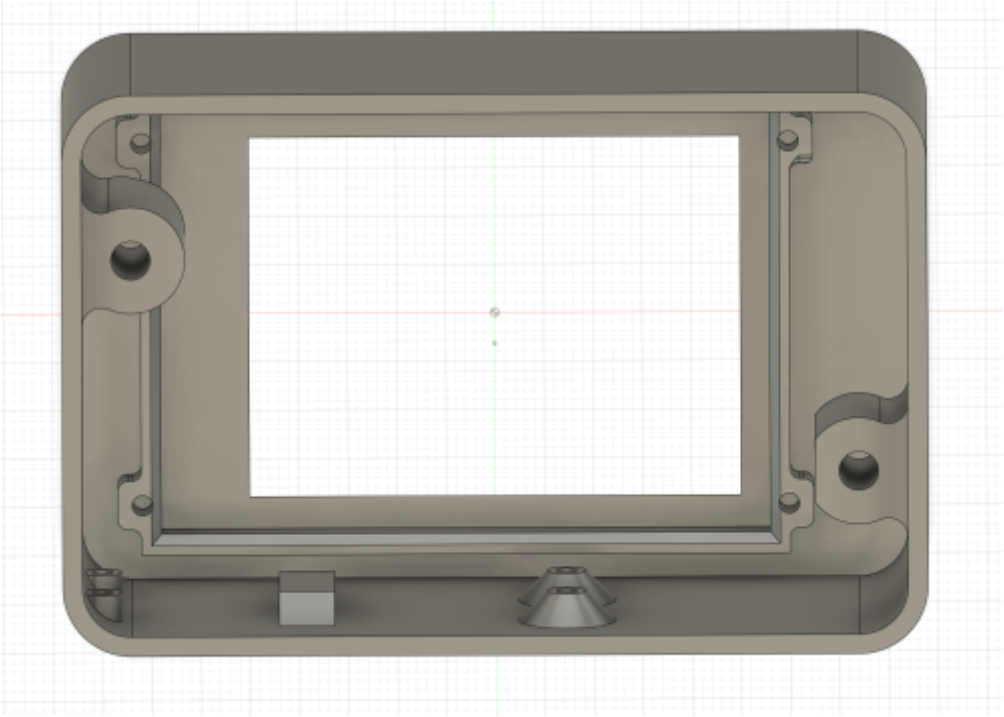
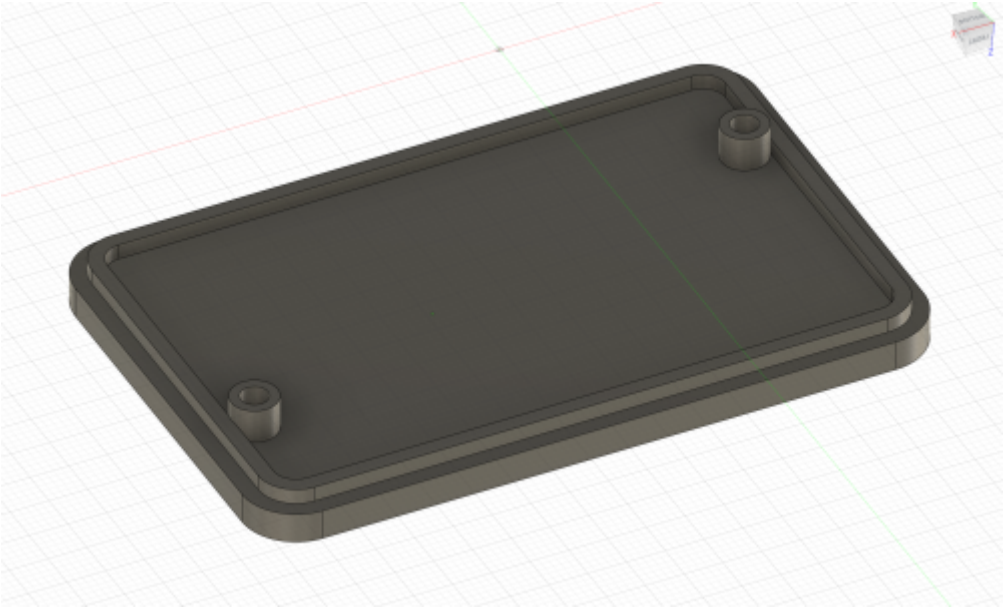
Front View



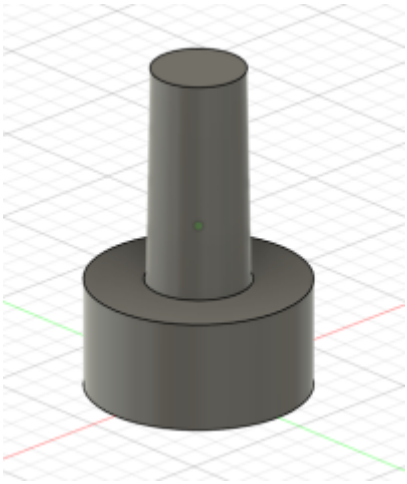
Internal View



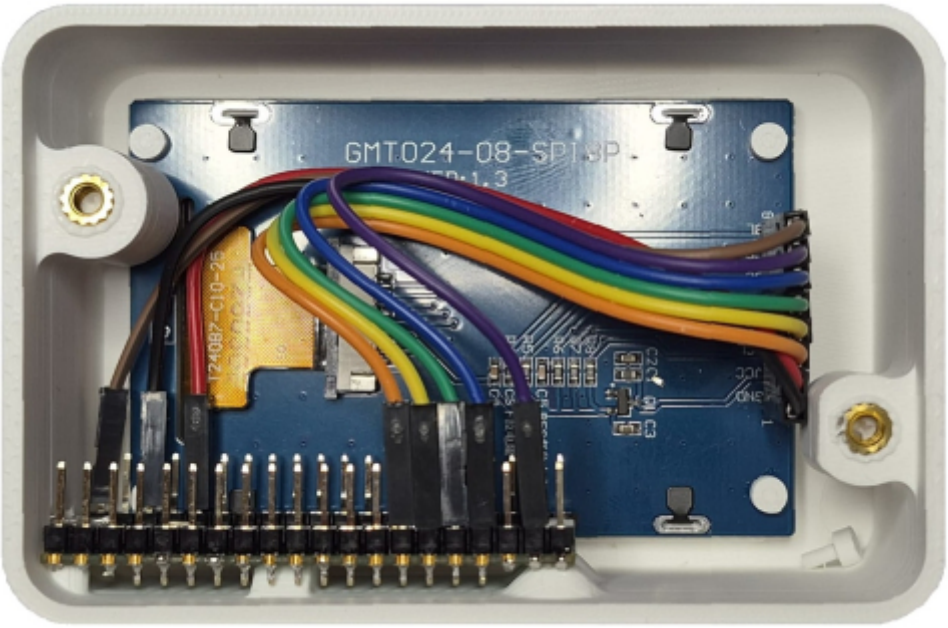
Rear Panel



Locator Pins (you'll need 6)



Assembly



So the hardest part is getting the pins in to the Pico. I have made the pins smaller, but you will have to glue them in, but at least they won't snap when you press them in. I would do the following:

- Put the cable on the LCD Pins
- Fix the LCD to the Box
- Put the Pins on the Pico (take note, solder the Pico Pins on top of the unit, not the bottom)
- Fix the Pico in using just the pins at the rear
- The box uses brass M3x4x5 Threaded Heat Inserts.

That's it, your Wifi Analyzer project should look pretty good in it's new home.

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