

New 3D Printed Enclosure

Sep 2026



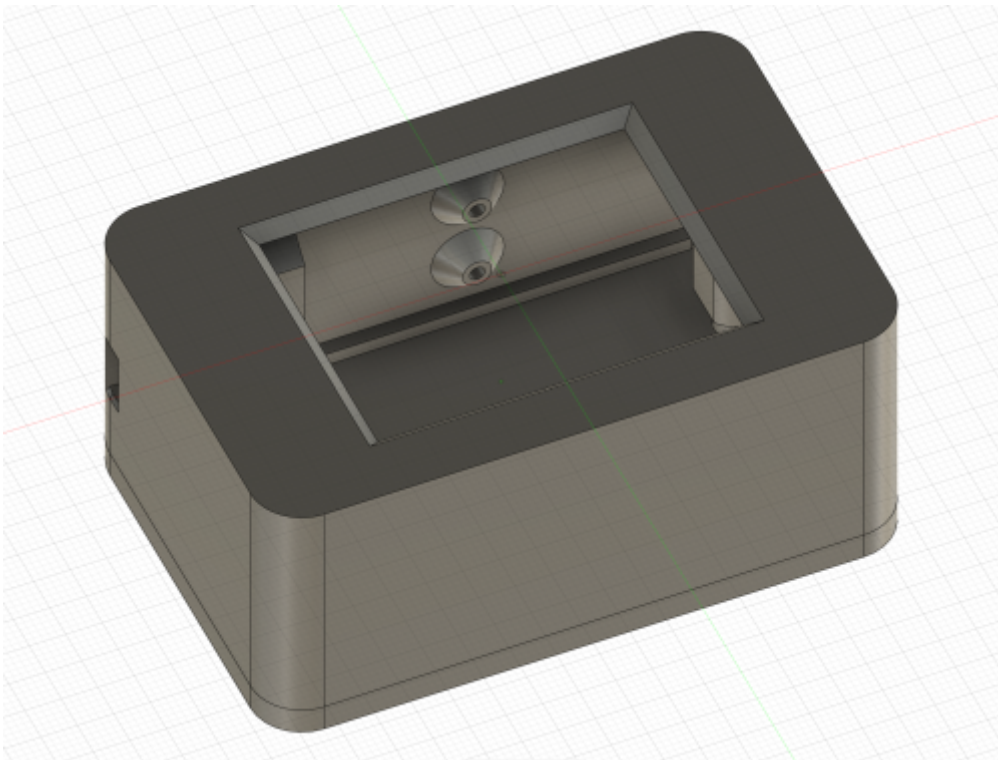
Introduction

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.

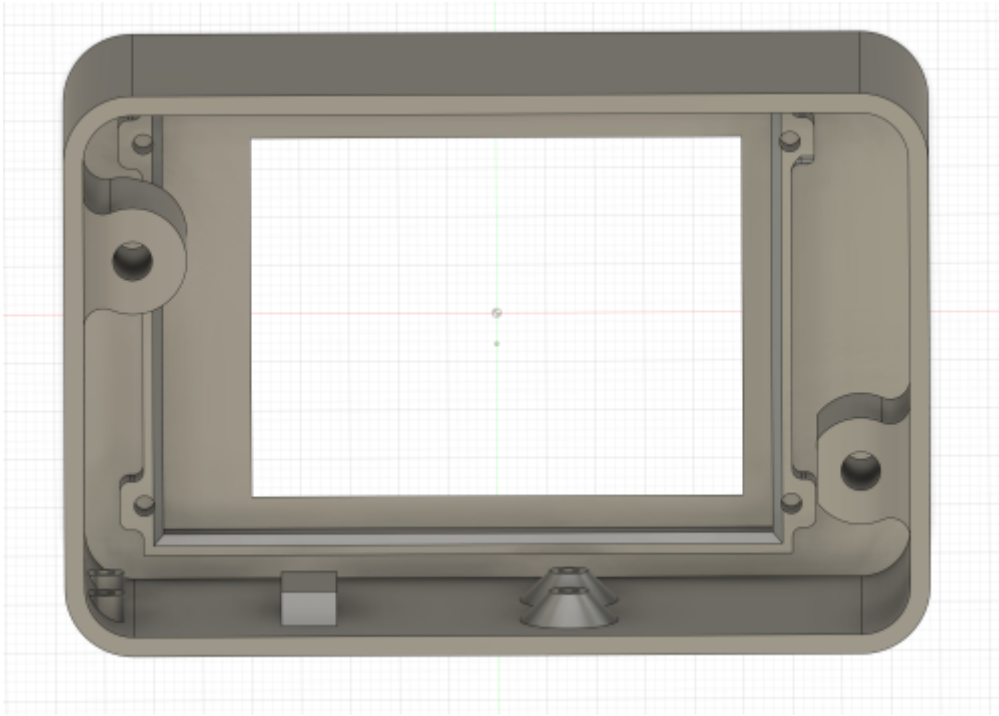
You can download the STL file

[HERE](#)

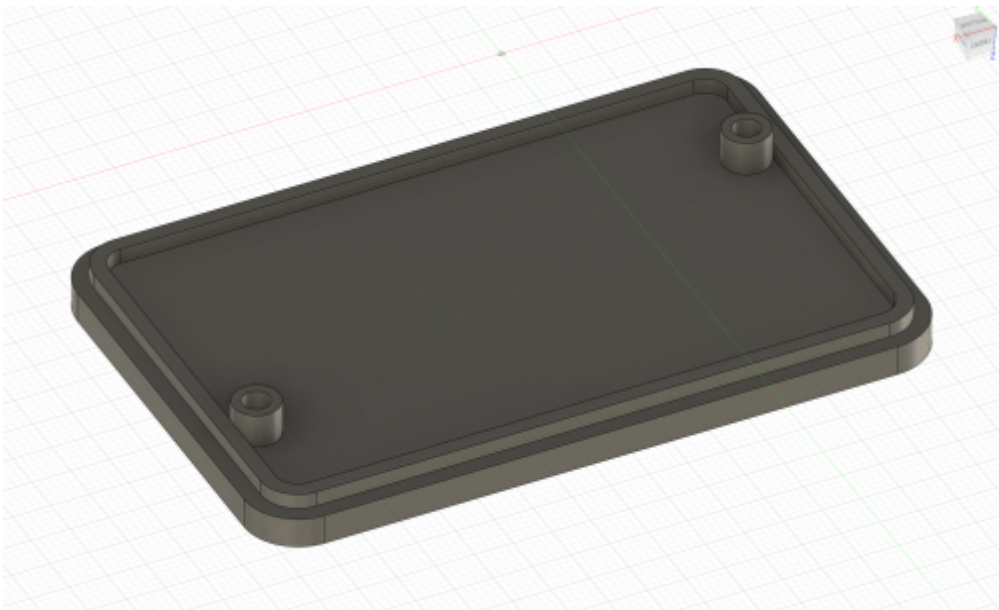
Front View



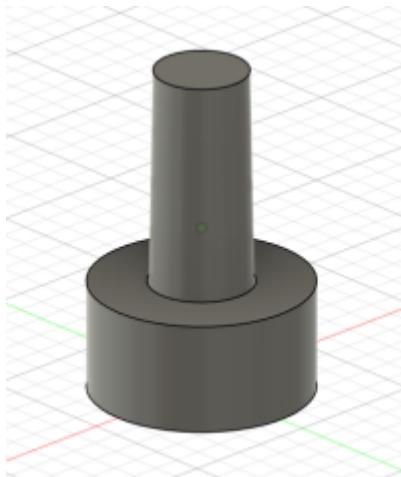
Internal View



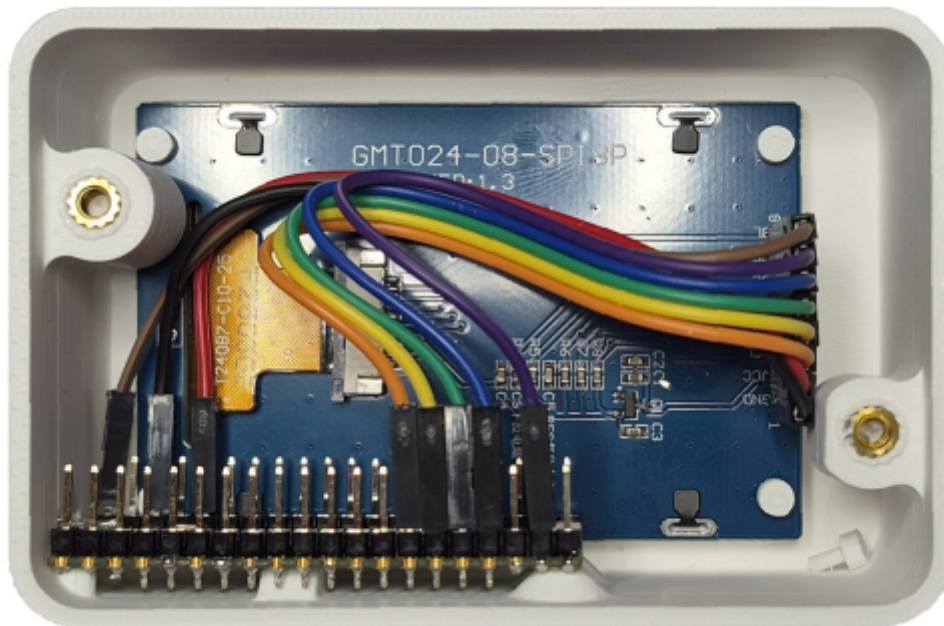
Rear Panel



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.

From:

<https://wiki.alanwalker.uk/> - WalkerWiki - wiki.alanwalker.uk

Permanent link:

https://wiki.alanwalker.uk/doku.php?id=new_3d_printed_enclosure&rev=1789047544

Last update: **2026/09/10 13:39**

