



2.8 inch Pimoroni Pico display case - with 4 buttons

 JimleeQ[VIEW IN BROWSER](#)

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Summary

A small case for a pico with Pimoroni 2.8inch display with 4 buttons, with a Pico (W) attached to the back.



2.45 hrs



1 pcs



0.20 mm



0.40 mm



PLA



30 g



Prusa
MK3.5S

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Tags: [Icddisplay](#) [pico](#) [picow](#) [picowcase](#)

I bought one of these 2.8inch LCD displays (<https://shop.pimoroni.com/products/pico-display-pack-2-8?variant=42047194005587>) to use with a Pico W as I wanted a small, but capable bit of screen space to show some stats etc. It just plugs the Pico (2W in this case) into the back of the screen - and powers via the USB.

The case itself is fairly basic - just a box that holds the display (and Pico) in the base, has a hole for the USB cable, and then I've added a slot at the back so that the box can be clipped into a mount if desired. The front has 4 button mechanisms for the 4 actuator buttons that come with the display, that either allow this to be used as a mini hand-held device (eg.

simple games console), or just a way to toggle between modes, activate menus etc. I've used 4 M2 countersunk bolts to hold the front face on.

I personally used this to pull data from an MQTT broker, and display it - but the application could be anything...

It should print without supports, but I would recommend using a brim for the lid (which may need flipping so that the front face is down on the print bed). The fixings are sized for M2 threaded inserts (see my [threaded insert tool holder](#) model if that's of interest!).

The threaded insert set I use can be obtained from Amazon here: <https://amzn.to/3BFAJas>, the inserts themselves are here: <https://amzn.to/3DFTKtO>.

(Note: These are associate links, which means that they don't cost you any more, but I get a small cut if you purchase via these links. This isn't a big money-spinner, but I find it so useful to have sub-components linked in models that I download - so I know I'm getting exactly the right bits without much research, and it helps support my tinkering!).

Model files



part-studio-1-2p8inch_display_case_lid_v3.step



part-studio-1-2p8inch_display_case_base_v2.step



2p8inch_display_case_base.stl



2p8inch_display_case_lid.stl

Print files



2p8inch_display_case_lid_v3_02mm_pla_mk3s_2h27m.gcode

% PLA (0.40 mm # 0.20 mm ⏱ 2.45 hrs ⏷ 30 g ! Prusa MK3/S/S+

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