



Ender 5 MicroSwiss NG PCB Klicky Probe Mount

 **dieKatze88**

[VIEW IN BROWSER](#)

updated 9. 10. 2023 | published 9. 10. 2023

Summary

This is a probe mount for the PCB Klicky mod for your Ender 5 that has a Microswiss NG Toolhead.

[3D Printers](#) > [Creality Parts & Upgrades](#)

Tags: [ender5](#) [ender5plus](#) [ender5pro](#) [ender5microswiss](#)
[microswissng](#) [sovolsv05](#) [pcbclicky](#)

Want to add PCB Klicky to your Ender5 or clone there of? Already have a MicroSwiss NG or MicroSwiss NG Revo installed on your Ender 5? You're in luck, this model is just for you!

Grab a PCB Klicky kit from somewhere, and print the dock, Ender 5 dock mount, and switch bodies like usual, and then print this file to mount the tool head PCB to your tool head. The rest of the files can be found in the PCB Klicky Github page. (https://github.com/tanaes/whopping_Voron_mods/tree/main/pcb_klicky)

Print Settings:

I printed this with a 0.4mm Nozzle, 0.2 layer height, 0.2 first layer, 25% infill. This model isn't that fussy but I don't have 0.6mm nozzle settings yet. I'll get back to you on that after I have this working a bit better. (Working on a mod for a nozzle Z Endstop switch too - Auto Z for the Ender 5! Watch this space!) Even then, 0.4 with 0.2 layers only takes about an hour to print on draft settings. I used PLA And it hasn't gotten melty yet,

but I will likely reprint with PETG at some point.

Installation:

Install the PCB Klicky tool head PCB to the bottom of the probe mount. Make sure you orient your magnets correctly. The m2 screws included in the kit just tap right into the plastic, giving you some spare m2 heat set inserts for a future project.

Now is a good time to wire the +5v, GND and Sensor pins back to your control board, edit your firmware configuration, and make sure that the probe is functioning properly. See the Klicky Probe github page with it's instructions for details. (<https://github.com/jlas1/Klicky-Probe>)

Loosen the essentric nut on the bottom of the toolhead and then remove the top two roller wheels from the toolhead. Gently pull the toolhead away from the 2020 extrusion so you can slide the top of the mount up and then rotate it so that the two large holes line up with the wheel standoffs at the top of the print head. Push the mount over those standoffs and insert one M3x4mm screw into the small hole, and tighten it. This should have the mount pretty firmly attached to the toolhead.

Reattach the roller wheels and readjust your essentric nut.

Route your wires and cable manage.

Install the Klicky macros from the github page (Linked above) and configure accordingly. Since every configuration is different, I won't really be able to help you with your configuration details. They are up to you.

I will give you this little bit of configuration to start with however. Your probe offset should be $X = 15$ $Y = 17$ (or close to it)

Your toolhead mass has changed and so has so many little things about your wheels, please remember to do a resonance compensation. Or don't. I'm not your real dad.

Model files



microswiss-ng-ender-5-pcb-klicky-mount.stl

License

This work is licensed under a
Creative Commons (4.0 International License)



Attribution—Noncommercial—Share Alike

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition