



Solder-able Mini Breadboard Enclosure

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Summary

Custom enclosure for 170 pin (1/4 size) Mini solder-able breadboard PCBs.

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Enclosure holds the breadboard with posts through the screw holes between upper and lower parts clamped by M3 screws (8mm long for minimum configuration). This provides minimal obstruction to wiring and components on the PCB. There is 2.5mm clearance under the PCB which should be enough for limited wiring but not components. The default flat upper section gives 10mm of clearance above the PCB.

Also including customized version I used for an application that will probably only be useful for inspiration. I'd feel bad not adding it because it's the cover image after all.

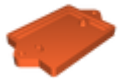
Add cutouts in the upper part for run wires, expose headers or clear components as needed. The pictured custom upper section is a example of this. Depending on usage you also want to punch ventilation slots into the upper section.

Originally designed for the Treedix “Mode 4” but identical boards that should also be compatible.

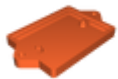
- [Sparkfun Solder-able Breadboard - Mini](#)
- Gikfun GK1009

Not compatible with large Mini solder-able breadboard with outer mounting holes or power headers unless modified. (e.g. ElectroCookie Mini, LedoNico Mini).

Model files



enclosure_lower.stl



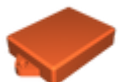
enclosure_lower_nut.stl

☐ with M3 nut sockets on bottom



enclosure_upper.stl

☐ default upper part



enclosure_upper_nut.stl

☐ default upper part with M3 nut sockets on top



enclosure_lower_custom.stl

☐ customized example



enclosure_lower_custom_nut.stl

☐ customized example with M3 nut sockets on bottom



enclosure_upper_custom.stl

☐ customized example



enclosure_upper_custom_nut.stl

☐ customized example with M3 nut sockets on top

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