

3D Printing

All information regarding 3D printing.

- 3D Prints
 - Tello wall mount
 - Infinity mirror case
 - BLTouch Mounts
 - Salt & Pepper Dispenser
 - Test Prints
 - WW1 Tanks
 - Ender 5 Upgrades
 - Terrace Chair Plug
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 - Nested Spheres
 - Boris Car
- Hardware
 - Creality V4.2.7 Mainboard
 - Misc Upgrades
 - BLTouch
- Software
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 - Firmware: Creality Official
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 - Raspberry Pi Zero W v1.1
 - Tinkerforge Hat Zero Brick

3D Prints

3D Prints

Tello wall mount

Thingiverse

<https://www.thingiverse.com/thing:3311088>

Timelapse

3D Prints

Infinity mirror case

Parts

<TODO>

Timelapse

Base v1

Base v2

Cover v1

Cover v2

Cover v2.1

3D Prints

BLTouch Mounts

Basic BLTouch Mount

Thingiverse

<https://www.thingiverse.com/thing:3383611>

Files

[Ender-5 BLTouch Mount 3383611.zip](#)

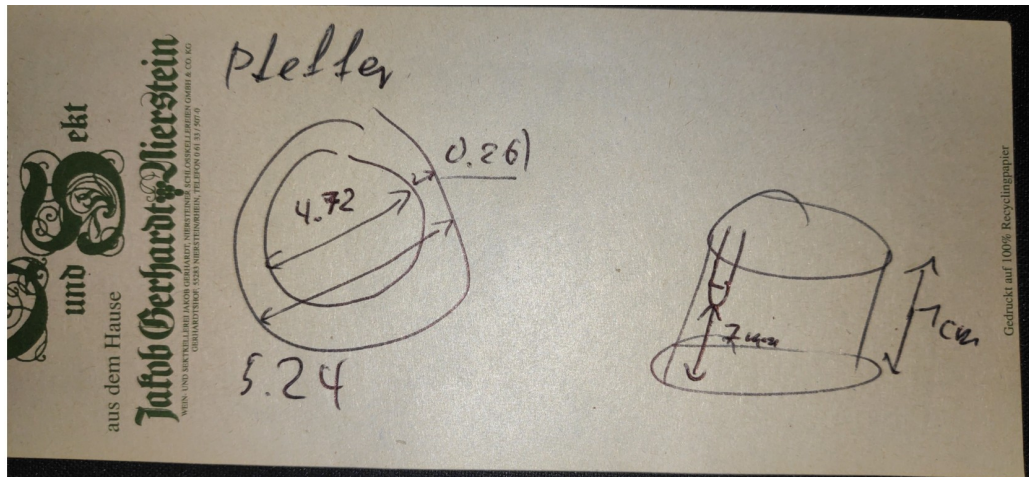
Timelapse

BLTouch Mount 3mm lower with Hot-End wire strain relief

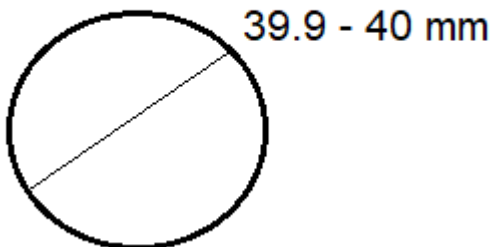
Files

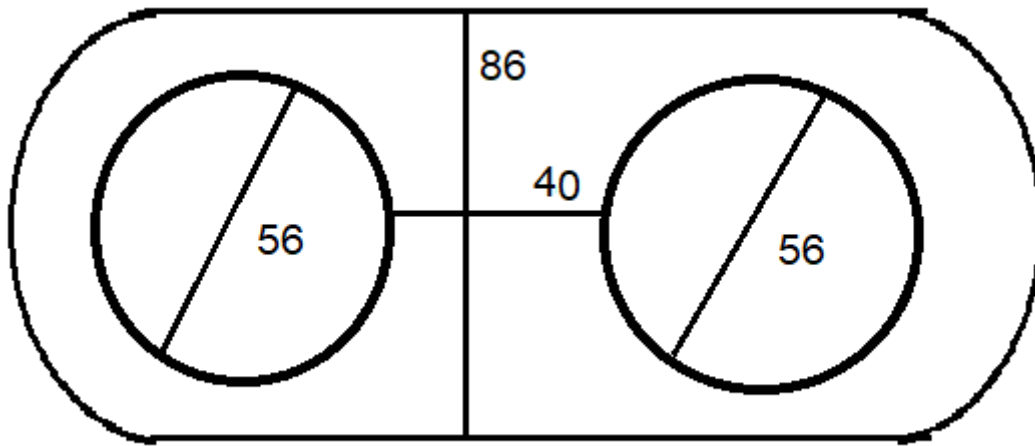
- [Modded BL Touch Mount.stl](#)

Sketches



Öl



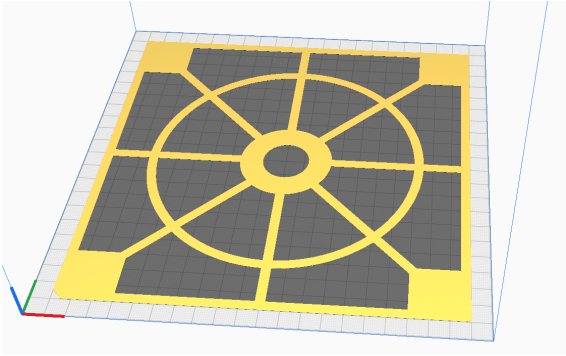


Models

- oil dispenser cap
- pepper dispenser lid
- salt dispenser lid
- full salt and pepper stand

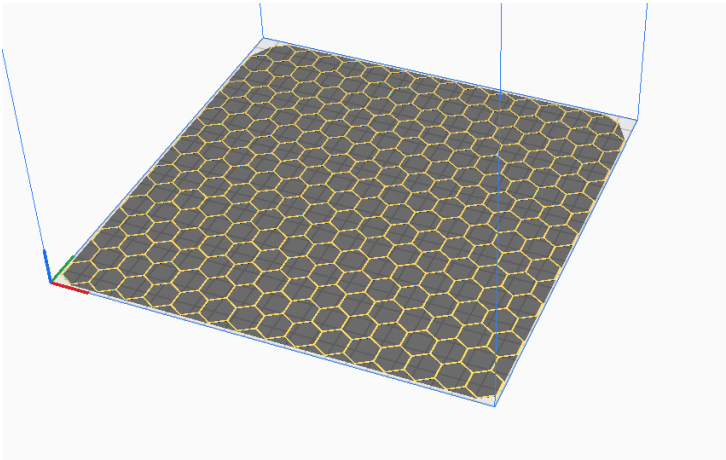
Test Prints

Bed Leveling Test



- [Bed lvl test v3.stl](#)

Bed Leveling Hex Test



- [Thingiverse](#)
- Cura Settings
 - Scale
 - X: 88%
 - Y: 92%
 - Z: 20%
- Model: [BedLevelHex.stl](#)

3D Prints

WW1 Tanks

[tanks.zip](#)

Ender 5 Upgrades

Cable Protection Ring

- <https://www.thingiverse.com/thing:4343997/comments>

Cable Clips

- <https://www.thingiverse.com/thing:5961599>
- <https://www.printables.com/de/model/170718-cable-clip-for-ender-5>

Extruder Knob

- <https://www.thingiverse.com/thing:3176144>

Light Bar

- <https://www.thingiverse.com/thing:3545616>

Bed Cable Strain Relief

- <https://www.thingiverse.com/thing:3443100>
- <https://www.printables.com/de/model/100470-ender-5-bed-cable-strain-relief-no-additional-hard>

Belt Covers

- X-Axis
 - <https://www.thingiverse.com/thing:3465579>
- Y-Axis
 - <https://www.thingiverse.com/thing:3412007> (+Silent Home)

Silent Home

- <https://www.thingiverse.com/thing:3349425>

Cable Management

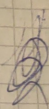
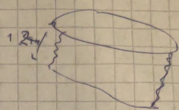
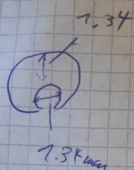
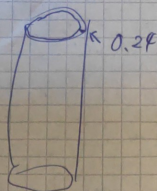
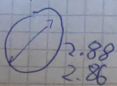
- [Ender 5 Cable Chain Adapters](#)
- [Ender 5 upgrade - Hidden cables - Cable chain](#)
- [Ender 5 neat cabling](#)
- [Drag chain for ender 5 \(pro\) with Y silent home](#)
- [Ender 5 - Cable management system](#)
- [Ender-5 Cable Management System v2](#)
- [Cablecover Ender 5 \(plus\) 2040](#)
- [Ender 5 Cable Management Brace](#)
- [Cable Raceway for 2020 extrusion Ender 5 plus](#)

3D Prints

Terrace Chair Plug

Sketches

Ober



$$2.85 - 0.25 = 2.60$$

$$r = 1.3$$

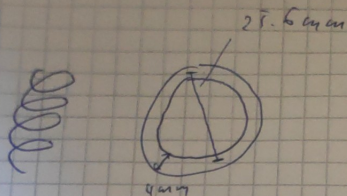
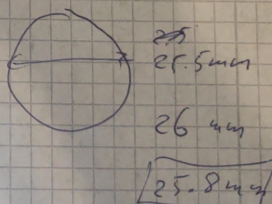
$$2.85$$

$$1.425 + 0.425$$

$$1.425$$

$$1.34 + 0.25 = 1.59$$

$$\approx 1.55$$

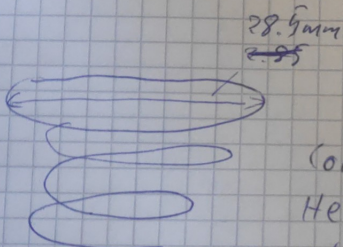
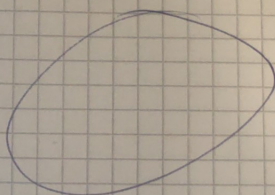


21.5 mm

11

4 mm

25.8 mm

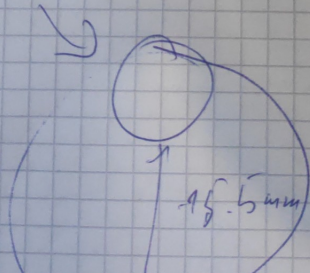


Coil: \emptyset 24.0 mm \rightarrow 23.0 mm

Height: 12 mm

Schnitt: 2 mm

Cutout: \emptyset 14 mm



Models

- [Terrace_chair_plug_v1.stl](#)
- [Terrace_chair_plug_v2.stl](#)
- [Terrace_chair_plug_v3.stl](#)
- [Terrace_chair_plug_v4.stl](#)

Repository

- https://git.greinet.com/agreiner/3d_models/src/branch/master/terrace_chair_plug

Timelapse

- Terrace chair plug v1
- Terrace chair plug v2
- Terrace chair plug v3
- Terrace chair plug v4
- 3x Terrace chair plug v4

Yet Another Fidget Infinity Cube

Thingiverse

- <https://www.thingiverse.com/thing:2848678/files>

Models

- [yafic_v2_rounded.stl](#)

Timelapse

3D Prints

Nested Spheres

Thingiverse

- <https://www.thingiverse.com/thing:2989760>

Models

- [nested-spheres-default.stl](#)

Timelapse

Boris Car

Models

- [3.stl](#)
 - [3_fixed.stl](#)
- [4.stl](#)

Timelapse

- 3_fixed flat

Hardware

Hardware

Creality V4.2.7 Mainboard

Schematics

- [CR-10.Schematic_V1.2.0.pdf](#)

Misc Upgrades

- [BIGTREETECH TFT35 V3.0.1 Display](#)
- [BIGTREETECH SKR Mini E3](#)
- [Mercury One.1](#)

BLTouch

Arduino test scripts

- <https://github.com/chepo92/3DtouchTestSimple/blob/master/3DtouchTest/3DtouchTest.ino>
- https://github.com/OneSharpChisel/BLTouch-Tester/blob/master/BLTouch_Tester_v1.0.ino
- <https://forum.arduino.cc/t/arduino-sketch-tests-a-3d-printer-tl-touch-auto-leveling-sensor/527949>
- <https://github.com/JimBrown/MarlinTarantula/wiki/How-to-test-the-BLTouch-Z-probe>

Software

Firmware: Marlin

Base

- [Configurations-2.1.2.zip](#)
- [Marlin-2.1.2.zip](#)

Marlin 2.1.2 for Ender 5 with V4.2.7 board

- [Marlin-2.1.2 - Ender 5 - V4.2.7.zip](#)

Marlin 2.1.2 for Ender 5 with V4.2.7 board and BLTouch

- [Marlin-2.1.2 - Ender 5 - V4.2.7 - BLTouch.zip](#)

Software

Firmware: Creality Official

- <https://forums.creality3dofficial.com/download/ender-series/ender-5/>
- [official_firmwares.zip](#)

3D Models

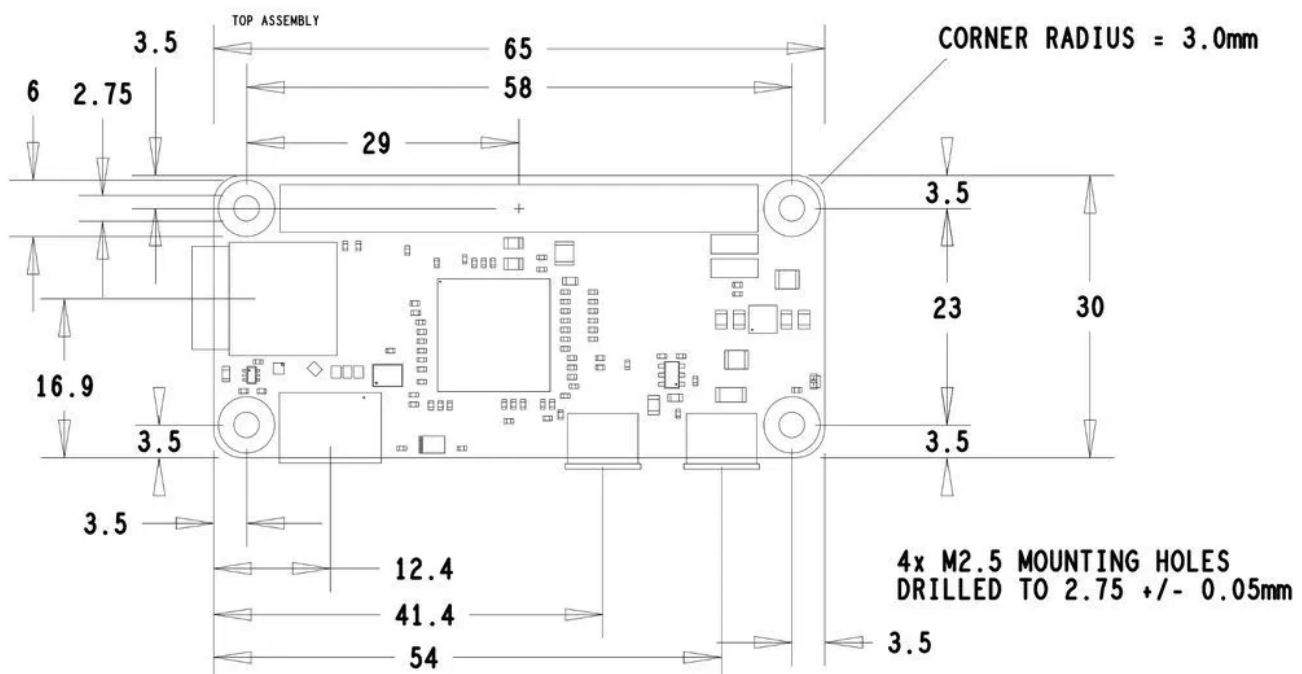
Models of 3D objects like Raspberry Pi's or other hardware.

Technical drawing of the Raspberry Pi Zero board showing dimensions in millimeters (mm).

Dimensions:

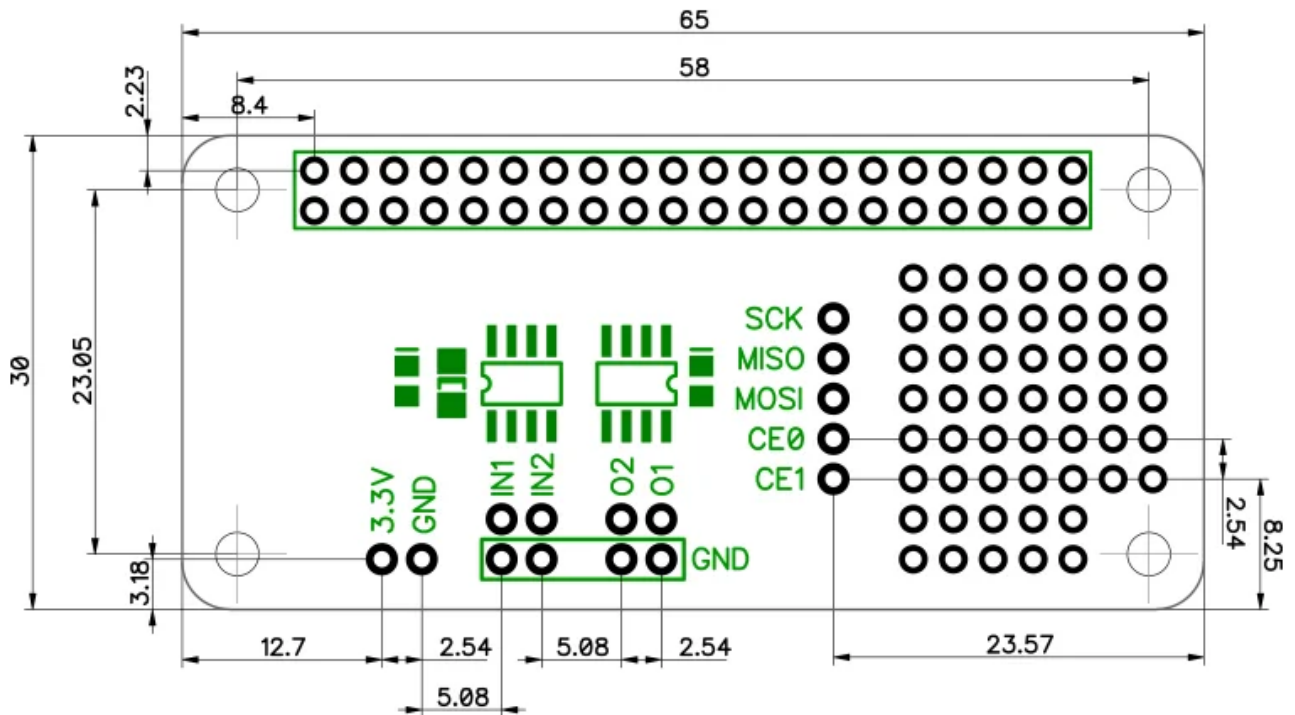
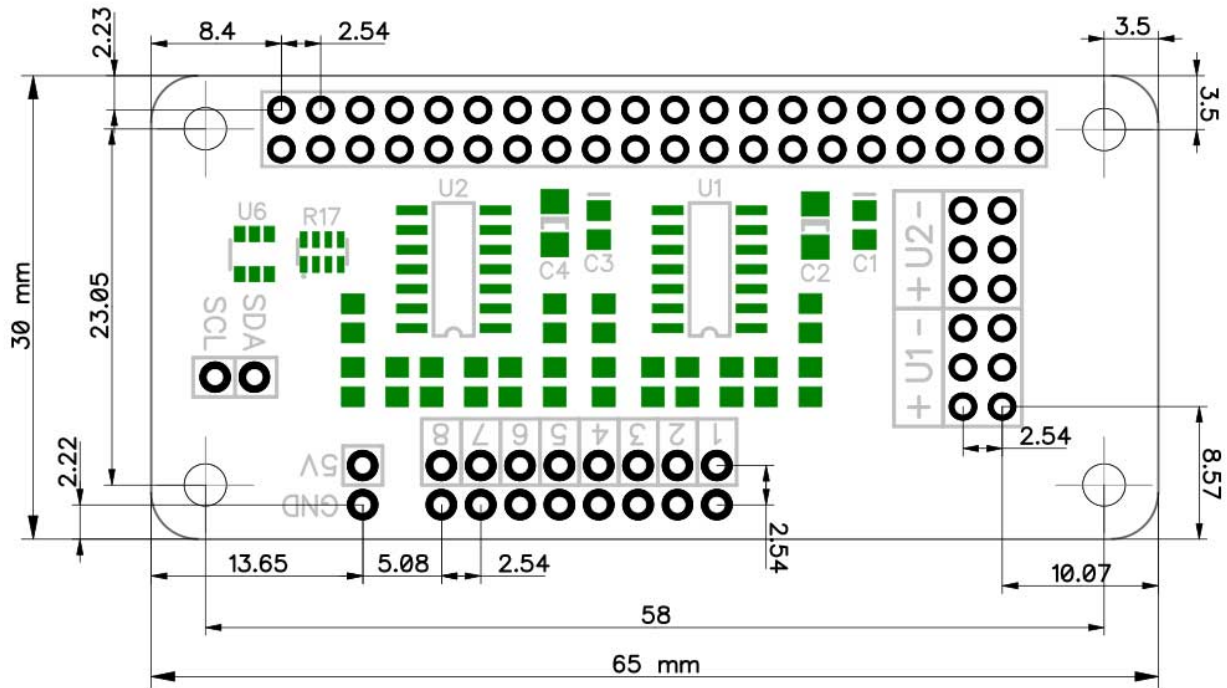
- Overall width: 65.000 mm
- Overall height: 30.000 mm
- GPIO header width: 29.000 mm
- GPIO header height: 3.500 mm
- Board width excluding header: 58.000 mm
- Distance from left edge to GPIO header: 2.750 mm
- Distance from bottom edge to GPIO header: 23.000 mm

The drawing includes mounting holes and a central crosshair.



All measurements are in mm

ADC Pi Zero



Tinkerforge Hat Zero Brick

CAD drawings

