

# 3D Printing

All information regarding 3D printing.

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  - Infinity mirror case
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# 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

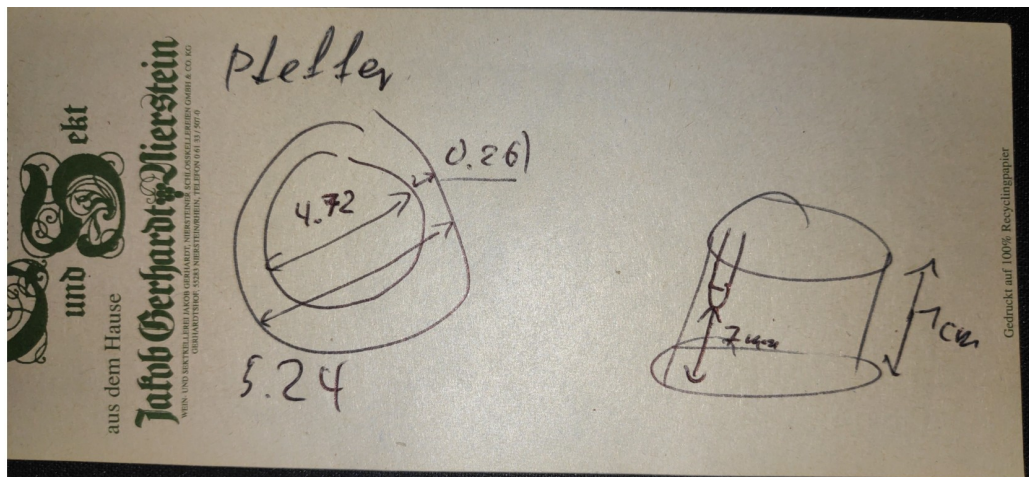
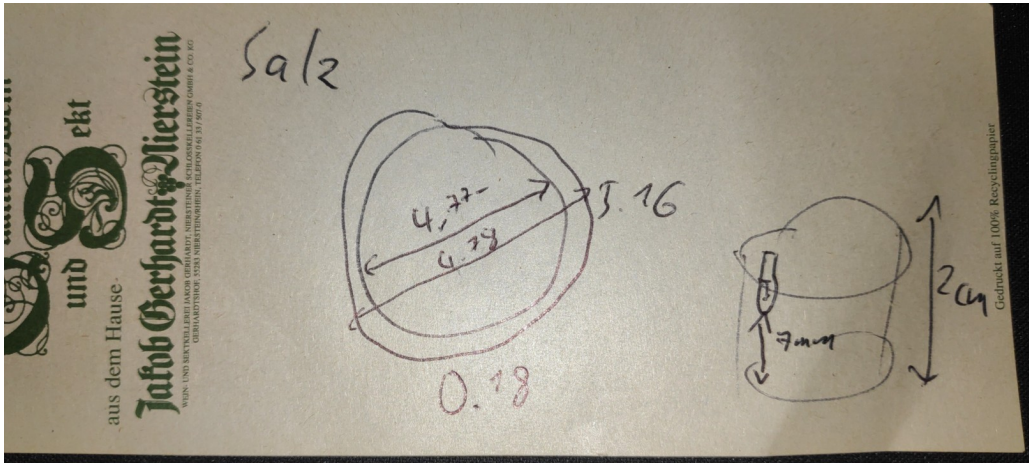
## BLTouch Mount 3mm lower with Hot-End wire strain relief

### Files

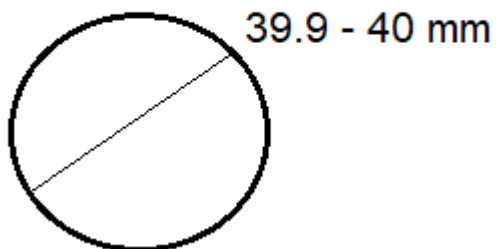
- [Modded BL Touch Mount.stl](#)

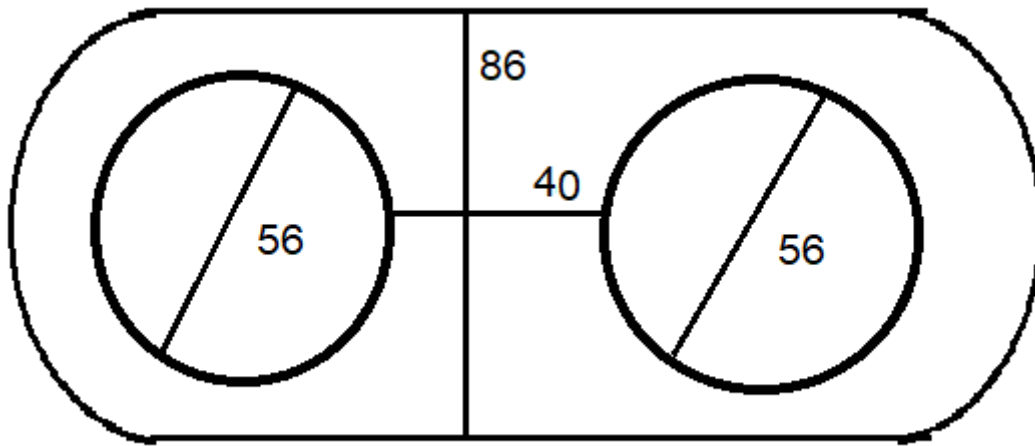
# Salt & Pepper Dispenser

## Sketches



Öl



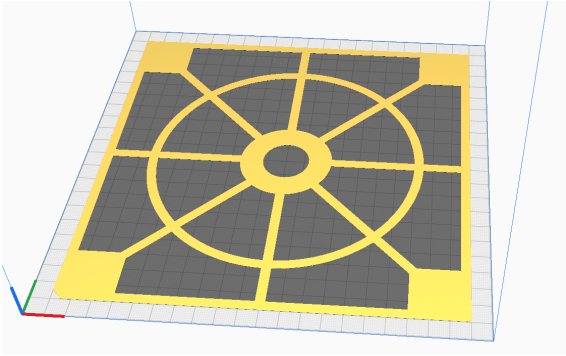


## Models

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

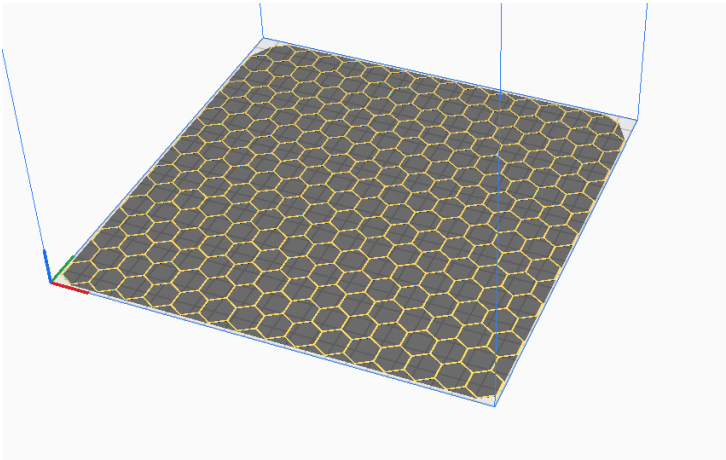
# Test Prints

## 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

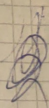
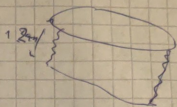
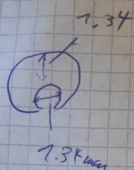
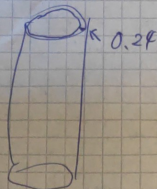
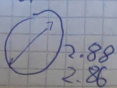
- [Ender 5 Cable Chain Adapters](#)
- [Ender 5 upgrade - Hidden cables - Cable chain](#)
- [Ender 5 neat cabling](#)
- [Drag chain for ender 5 \(pro\) with Y silent home](#)
- [Ender 5 - Cable management system](#)
- [Ender-5 Cable Management System v2](#)
- [Cablecover Ender 5 \(plus\) 2040](#)
- [Ender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

3D Prints

# Terrace Chair Plug

**Sketches**

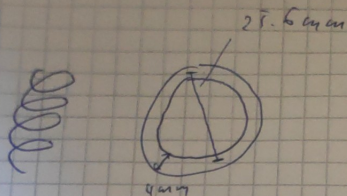
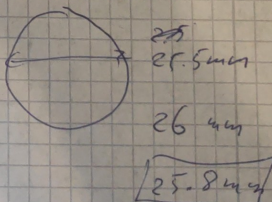
Ober



$$2.85 - 0.25 \\ = 2.60 \\ r = 1.3$$

$$2.85 \\ 1.8 + 0.425 \\ \text{---} \\ 1.425$$

$$1.34 + 0.25 \\ = 1.59 \\ \approx 1.55$$

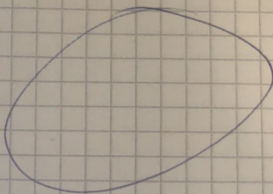


21.5 mm

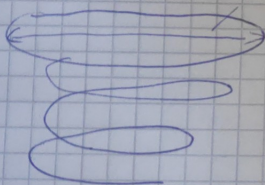
11

4 mm

25.5 mm

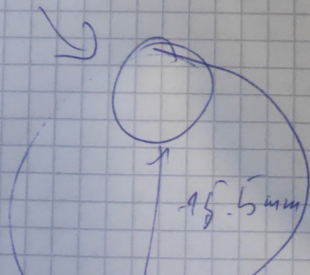


28.5 mm



Coil:  $\emptyset$  24.0 mm  $\rightarrow$  23.0 mm  
Height: 12 mm  
Schritt: 2 mm

Coil:  $\emptyset$  16 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](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://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](#)

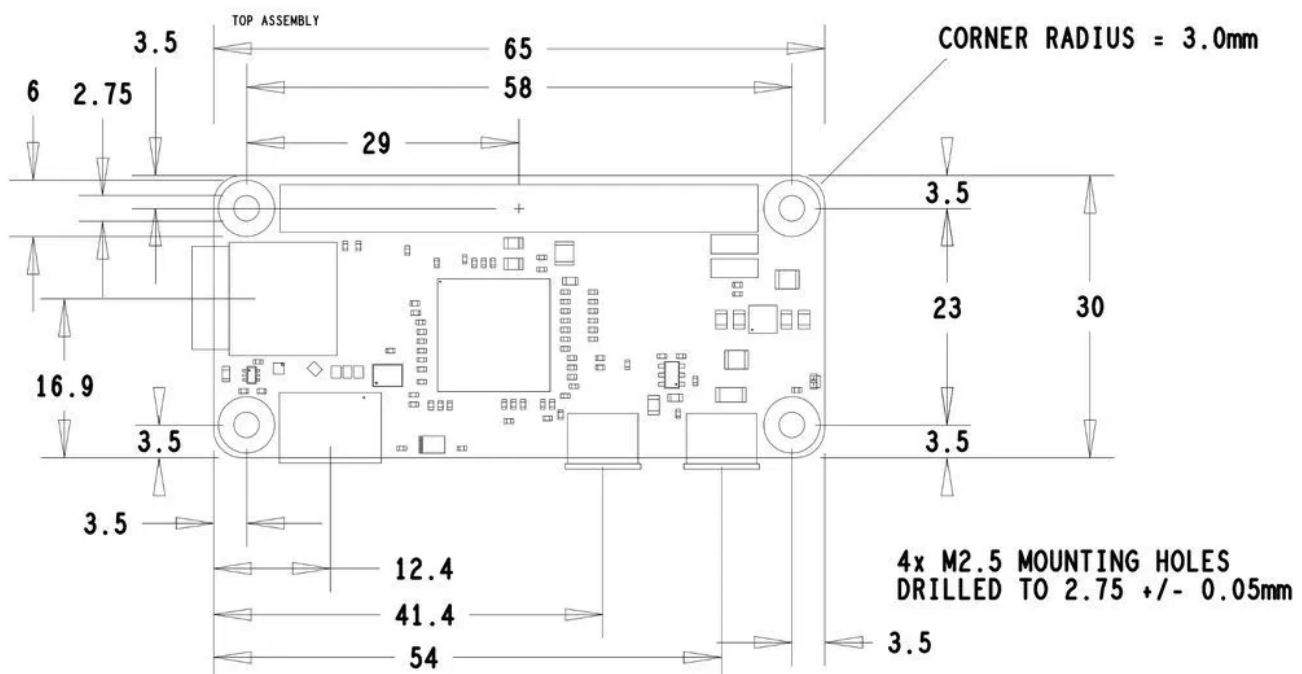


# 3D Models

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

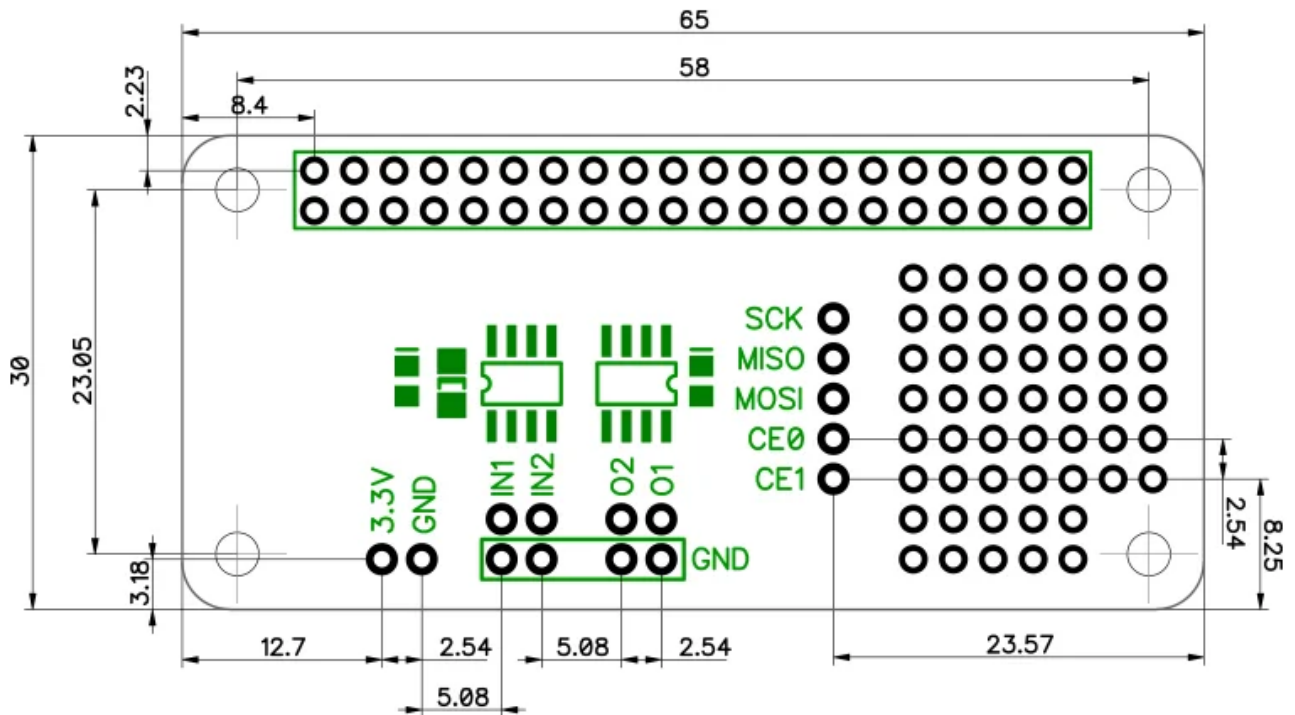
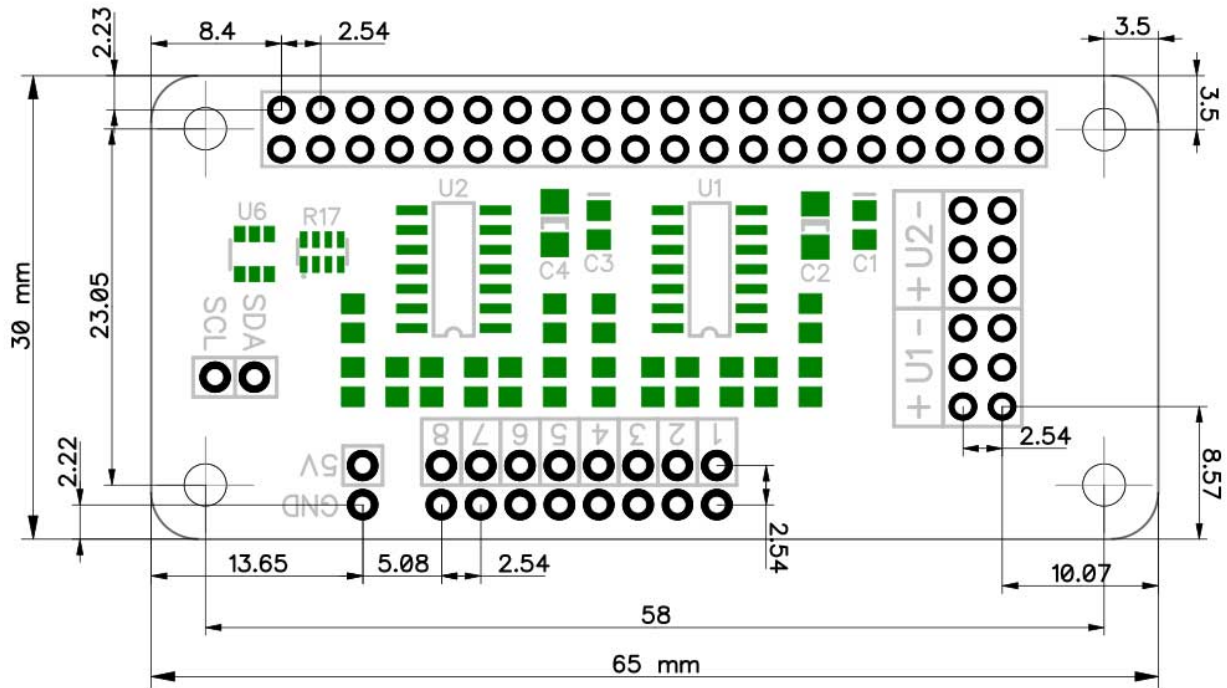
Technical drawing of the Raspberry Pi Zero board showing dimensions in millimeters:

- Overall width: 65.000 mm
- Overall height: 30.000 mm
- Width of the main component area: 58.000 mm
- Width of the component area excluding the USB port: 29.000 mm
- Width of the USB port area: 2.750 mm
- Height of the component area: 23.000 mm
- Height of the USB port area: 3.500 mm



All measurements are in mm

## ADC Pi Zero



# Tinkerforge Hat Zero Brick

## CAD drawings

