

Printable Parts for Luftdaten Project



Rene

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Summary

Parts I used for my Luftdaten project. Useful for other applications as well.

[Hobby & Makers](#) > [Electronics](#)

Tags: [sds011](#) [ssd1306](#) [luftdaten](#) [sh1106](#) [luftdateninfo](#)
[sds011nova](#)

I have installed the Luftdaten hardware in a electronic housing on DIN Rail.

The Breakout Board bracket is a modified Version of LDO's Raspberry Pi mount. You can find the original [here](#).

Parts:

- Electronic Box, width: 220mm, height: 130mm depth: 95mm
[eBay germany link](#)
- MeanWell 5V Din Rail Power Supply
[eBay germany link](#)
- Breakout Board
[eBay germany link](#)
- Display Case 60 x 65 x 40 mm
[Reichelt link](#)
- Dust Filter
[Amazon](#)

Parts from Printables:

- [Radiation shield for BME 280](#)
- [Filter](#)
- [Wago DIN Rail mount](#)


The PCB clips I used from the [Voron Project](#).


- [Breakout Board clip](#)
- [SDS011 clip](#)


The rings for keeping the wrapped dust filter around the case in place you can simply model it with [Tinkercad](#) yourself.


The Filter housing from the link below has to be scaled down to fit the silicone hose. But I didn't remember the scale anymore ;(


Model files


 **Display** 15 files

 **grundplatte-mit-kabeldurchfuhrung.stl**

 **grundplatte-mit-kabeldurchfuhrung.step**

 **grundplatte-mit-kabeldurchfuhrung.f3z**

 **grundplatte.stl**

 **grundplatte.step**



grundplatte.f3z



displayhalter.stl



displayhalter.step



displayhalter.f3z



displayhalter_1_3_inch_pg.stl



displayhalter_1_3_inch_pg.step



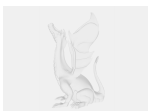
displayhalter_1_3_inch_pg.f3z



displayhalter_1_3_inch.stl



displayhalter_1_3_inch.step



displayhalter_1_3_inch.f3z



SDS011

6 files



pmsensor_nova_sds011-v1.stl



pmsensor_nova_sds011-v1.step



sds011_din_mount.f3d



adapter_plate-v2.stl



adapter_plate-v2.step

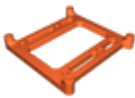


adapter_plate-v2.f3d



Breakout Board

1 file

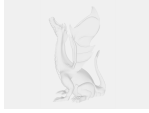


beefy_esp_bracket.stl

Other files



lrs_psu_bracket_x2_voron.txt



pcb_din_clip_for_breakout_board.txt

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