



## Raspberry Pi Pico Case



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### Summary

Two parts case for Raspberry Pi Pico without screws. Useful for connect 2 ADXL345 and do the input shaper in Klipper

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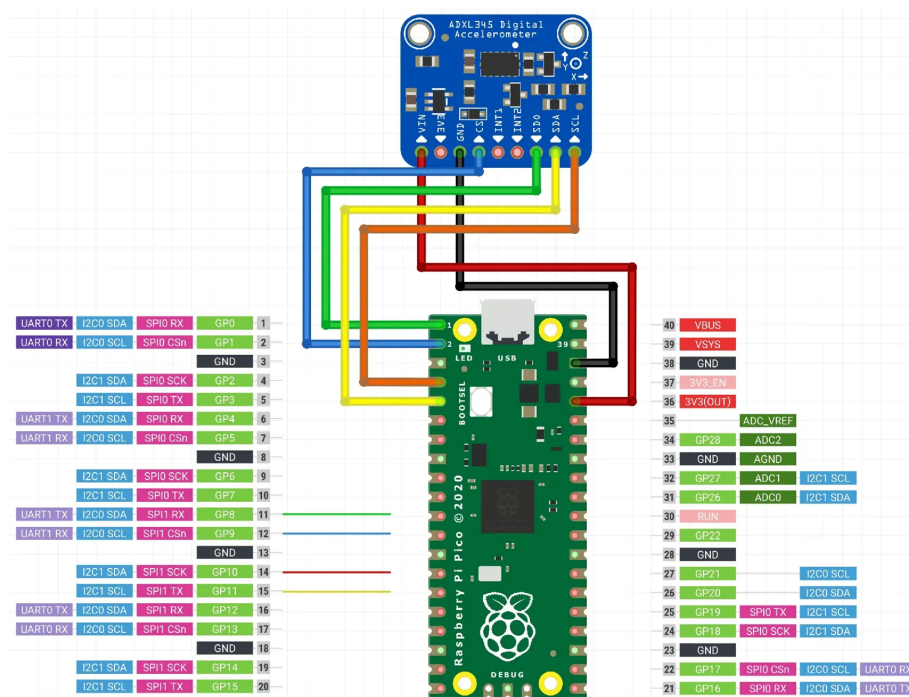
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[inputshaper](#) [picocase](#)

A simple 2 parts snap-fit case for Raspberry Pi Pico. No screws needed. Back of case is open for wires. I use it to connect 2 ADXL345 and do the input shaper in Klipper

Print settings:

- layer: 0.16 or lower
- perimeters: 3

To connect 2 ADXLs use the following pins. For the second ADXL you will need to use GPIO8, GPIO9, GPIO10 and GPIO11 according to the colors. Red and Black are the same.



## Klipper Configuration

```
[mcu pico_adxl345] serial: /dev/serial/by-id/usb-Klipper_rp2040_use_your_id-xxxxxx [adxl345 head] cs_pin:
pico_adxl345:gpio1 spi_bus: spi0a axes_map: -z, x, -y #update your axes
mapping [adxl345 bed] cs_pin: pico_adxl345:gpio9 spi_bus: spi1a
[resonance_tester] probe_points: 115, 115, 30 #update your position
accel_chip_x: adxl345 head accel_chip_y: adxl345 bed
```

If you need a bed mount for ADXL take a look at [this](#).

## Updates

21.11.2022 - Add pins and Klipper configuration

22.07.2022 - Version 2.1 - add a cutout for the Bootsel button.

12.07.2022 - Version 2 - add an indentation in order to make the case more snap-fit and prevent to become too loose from wearing.

## Model files



**raspberry-pi-pico-case-top-v2.stl**



### raspberrypi-pico-case-top-v21.stl

☐ with cutout for the Bootsel button



### raspberrypi-pico-case-bottom-v2.stl

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