

RasPiBox Pico

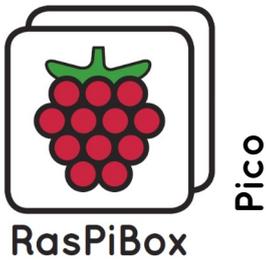
Version 1.x

Cap rail enclosure set for Raspberry Pi Pico



Features enclosure and pcb:

- milled **cap rail enclosure** (4 modules)
- for EN50022 DIN rails
- Optional Integrated **5V/1,7A voltage regulator** (Vin 9...35V DC)
- Integrated **prototyping area**
- 3x 2-pin terminal blocks for prototyping
- Marked and connected GPIO & power pins beside the proto area
- 1x 2-pin terminal block for power supply
- For **Raspberry Pi Pico** only
- removable protections for terminals
- Opening for micro USB socket on top side
- Available with transparent lid, grey lid or lid for OLED



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Enclosure:

- Outside dimensions: 70mm x 65mm x 90mm (W x H x L)
- Breadboard area: 41mm x 59mm (W x H)
- Material: PS
- Finish top shell: light grey
- Finish bottom shell: light grey

Features optional voltage regulator:

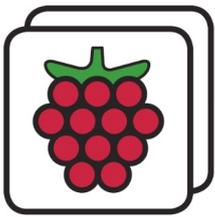
- Input voltage: 9 – 35V DC
- Output voltage: 5V / 1.7A DC

Applications :

- Home automation
- Industrial control
- Door access and door control
- Temperature controls
- Education
- Internet of Things (IoT)
- Industry 4.0
- Data acquisition
- Gateways

Compatibility:

- For Raspberry Pi Pico



RasPiBox

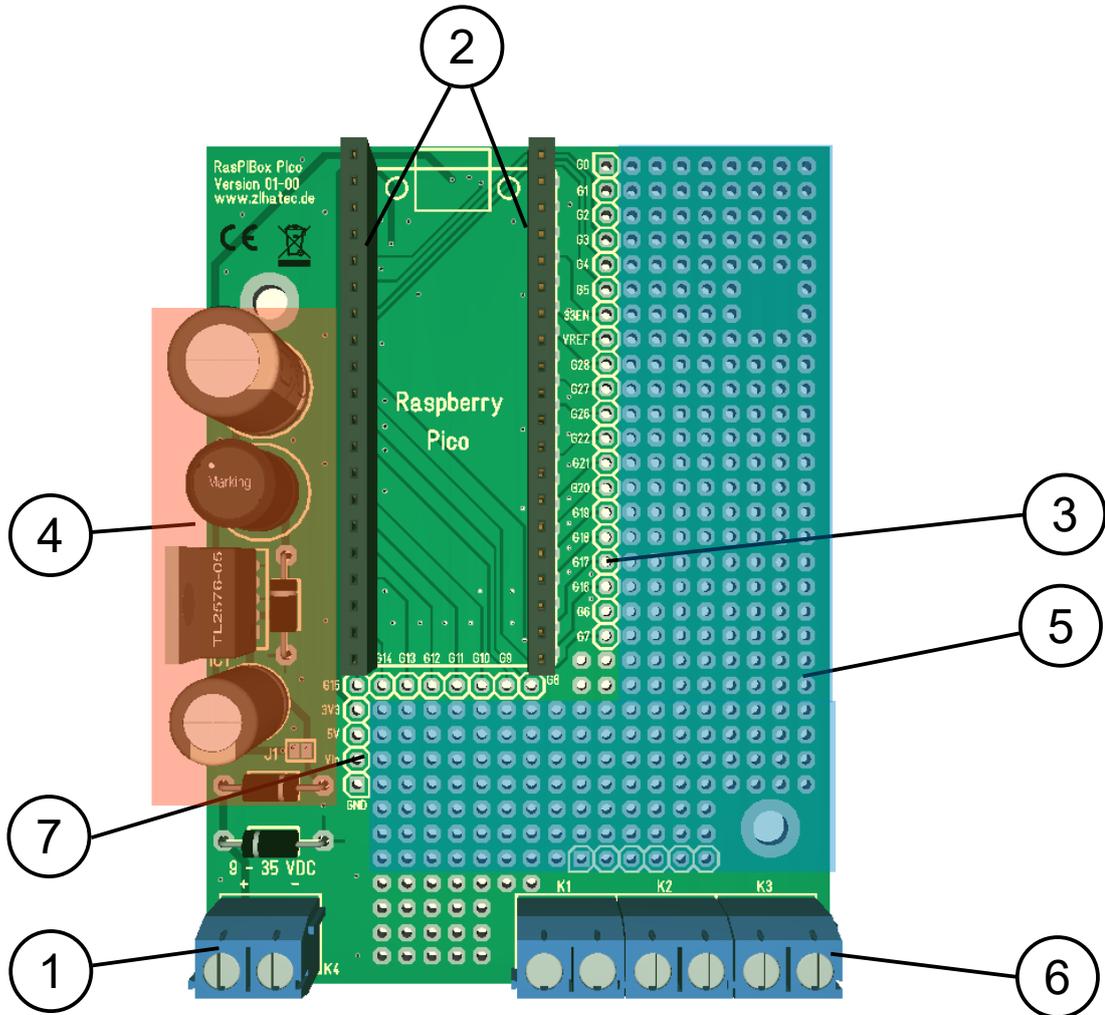
Pico

RasPiBox Pico

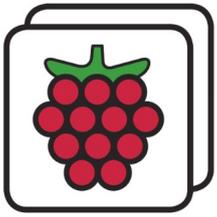
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Features main board:



- ① Terminals power supply
- ② Header for Raspberry Pi Pico
- ③ marked GPIO pins beside proto board
- ④ voltage regulator
- ⑤ Breadboard / proto board area
- ⑥ Terminals for proto board
- ⑦ Power pins (5V, 3.3V, GND) for proto board



RasPiBox

Pico

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Part number table:

Part-No.	Version	Features
RBXPCOB	Basic	- transparent lid - without parts for voltage regulator
RBXPCOS	Standard	- transparent lid - including voltage regulator parts
RBXPCOBG	Basic	- grey lid - without parts for voltage regulator
RBXPCOSG	Standard	- grey lid - including voltage regulator parts
RBXPCOBO	Basic	- lid for OLED - without parts for voltage regulator
RBXPCOSO	Standard	- lid for OLED - including voltage regulator parts



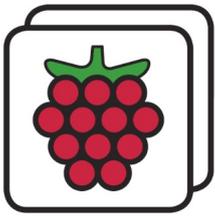
grey lid



transparent lid



for OLED



RasPiBox

Pico

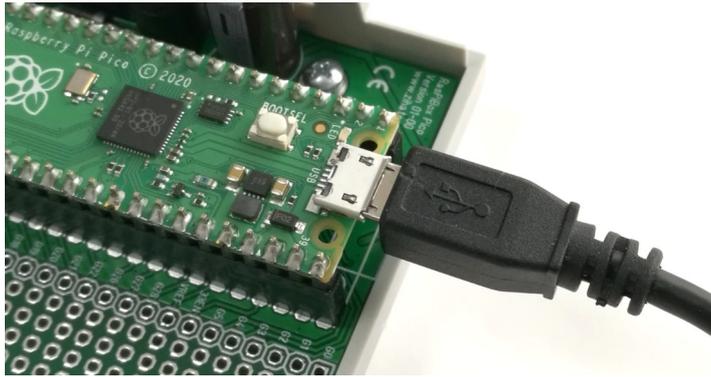
RasPiBox Pico

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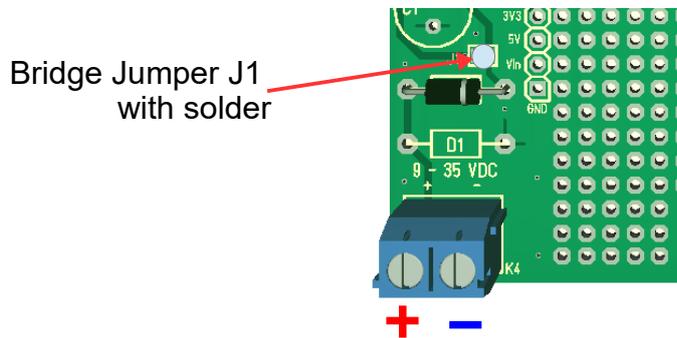
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Different ways for power supply of RasPiBox Pico:

1.) Via the Micro-USB socket of the Raspberry Pi Pico

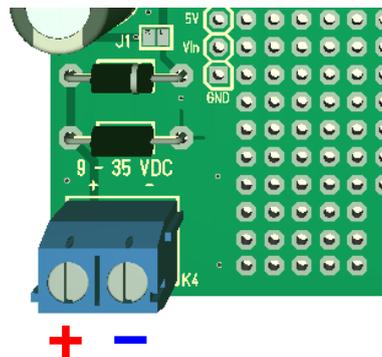


2.) Via the terminal K4 (5V DC) for **basic version** only:



Note: J1 will connect K1 directly with the internal 5V of the Pi Pico

3.) Via the terminal K4 (9...35V DC) for **standard version** only:



Note: With assembled voltage regulator only. Leave J1 open in this case!