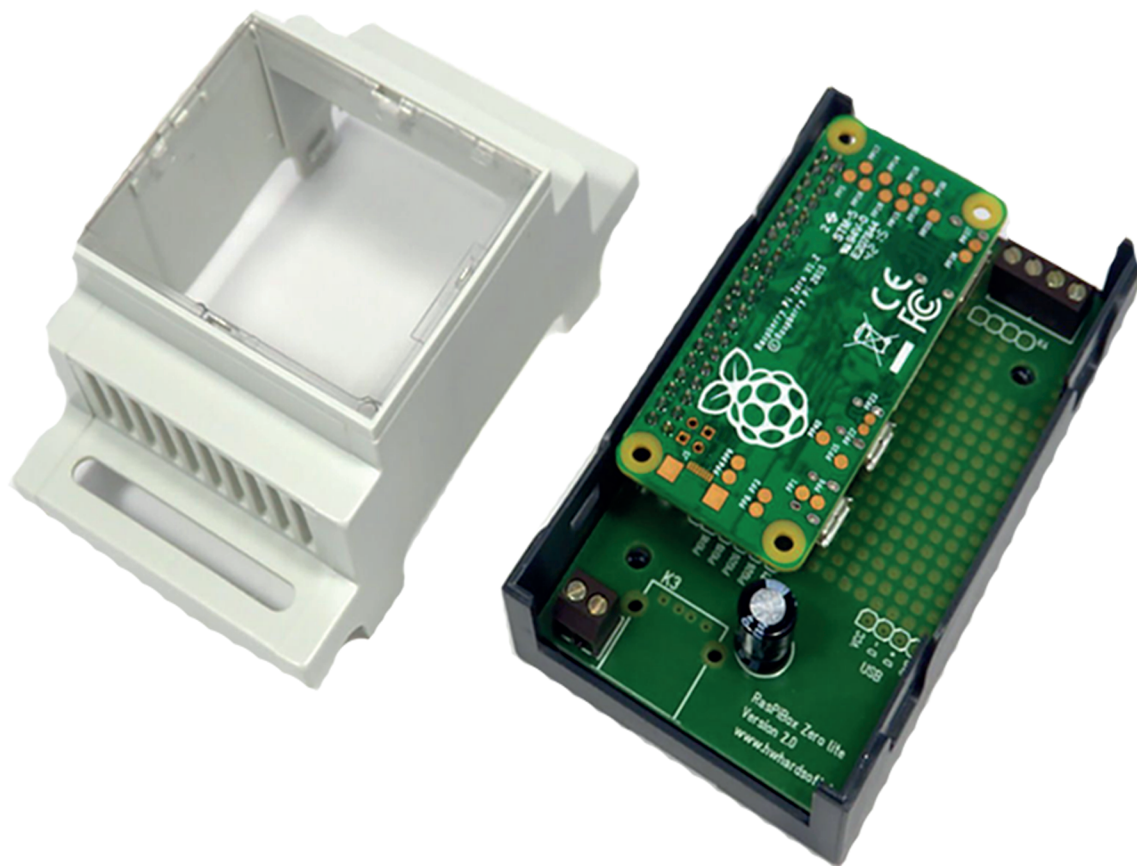


RasPiBox Zero - Hutschienen Montage- und Anschluss Set Datenblatt



Contents:

- 1. Features**
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- 4. Applications**
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1. Features

- Milled cab rail enclosure (3 modules)
- For EN50022 DIN rails
- Integrated 5V/1A voltage regulator (Vin 9...35V DC)
- Integrated 4 port USB Hub
- Integrated prototyping area
- 2x 2-pin terminal blocks for prototyping
- Marked GPIO (I2C, SPI, UART) & power pins beside the proto area
- 1x 2-pin terminal block for power supply
- For Raspberry Pi Zero only
- Vented cover to allow through air flow

2. Enclosure

- Outside dimensions: 53,5mm x 90mm x 58mm (W x H x D)
- Breadboard area: 27mm x 27mm (W x H)
- Material: Polycarbonate UL 94 V-0
- Finish top shell: RAL 7035 light grey
- Finish bottom shell: RAL 7016 anthracite grey

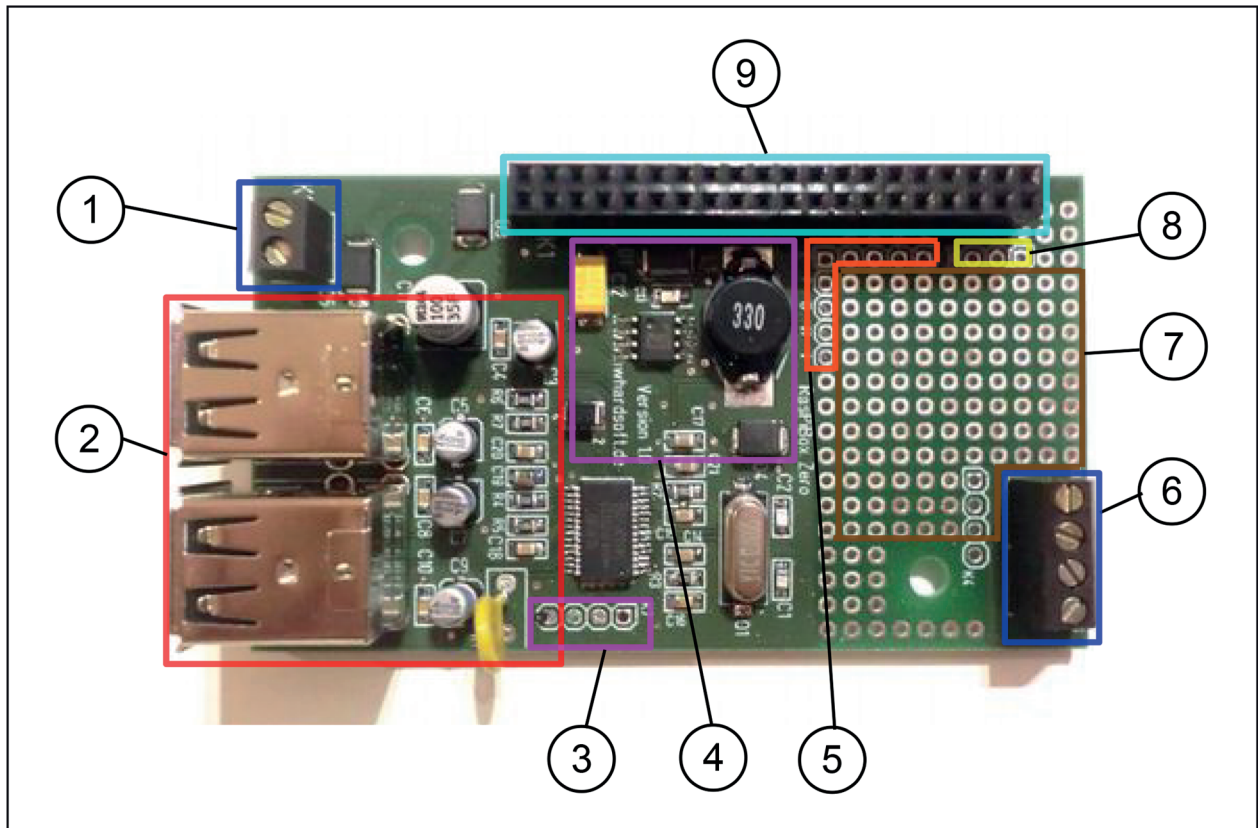
3. Features optional voltage regulator

- Input voltage: 15 – 30V DC
- Output voltage: 5V / 1A DC

4. Applications

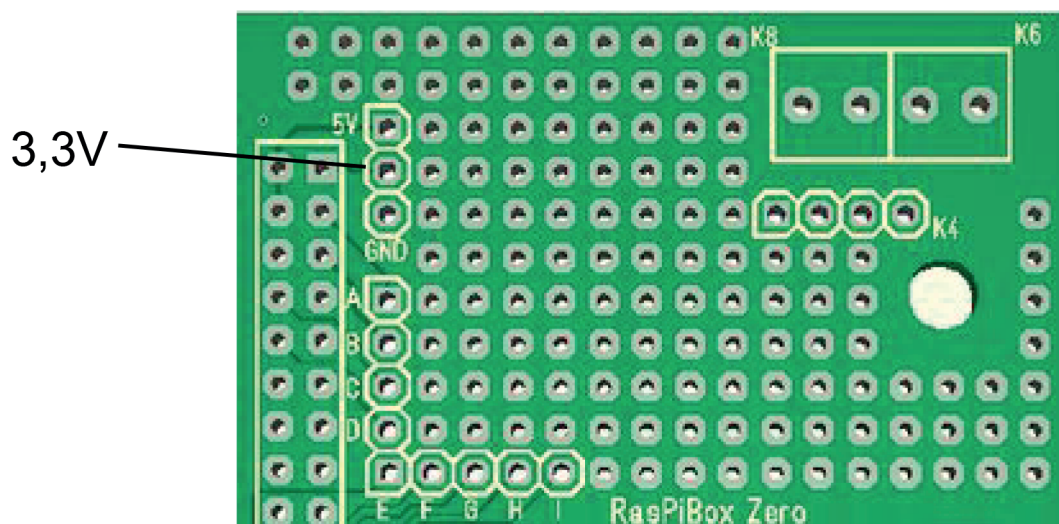
- Home automation
- Industrial control
- Door access and door control
- Temperature controls
- Education
- Internet of Things (IoT)

5. Features main board



1. Terminals power supply
2. USB hub
3. USB cable to Raspberry PI Zero
4. Voltage regulator
5. GPIO (UART, SPI, I2C) pins for proto board
6. Terminals for proto board
7. Breadboard / proto board area
8. Power pins (5V, 3,3V, GND) for proto board
9. Header for Raspberry Pi Zero

6. Pin marking protoboard



Pin	Raspberry Pi	Function
A	GPIO2	SDA (I2C)
B	GPIO3	SCL (I2C)
C	GPIO14	TX (UART)
D	GPIO15	RX (UART)
E	GPIO8	CEO (SPI)
F	GPIO7	CE1 (SPI)
G	GPIO10	MOSI (SPI)
H	GPIO9	MISO (SPI)
I	GPIO11	SCK (SPI)