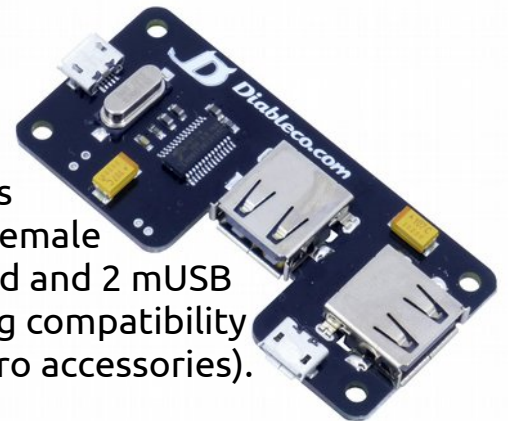




USB SHOE for Raspberry Pi Zero 1.2 gives you Wi-Fi through USB ports without solder anything and keeping the dimensions of the Zero.



It comes with 2 female standard and 2 mUSB (keeping compatibility with Zero accessories).

Characteristics

4 USB ports with 2.0 version
 Upstream speed modes: High and Full
 Downstream: 4 ports High, Full and Low
Power: Standby=1mA. Suspension: <50mA
Weight: 11,5g (screws included)

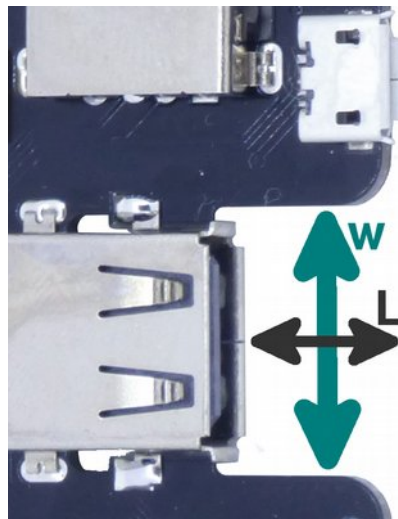
NOTE: the port named "USB" on the Zero is inoperable when the USB SHOE is connected. Power using the "PWR IN" is allowed.



- 1,2 – Micro USB ports (recommended to power the Raspberry)
- 3 – Internal USB-A port
- 4 – External USB-A port
- 5 – Mounting holes
- 6 – Pogo pins for power
- 7 – Pogo pins for data connection

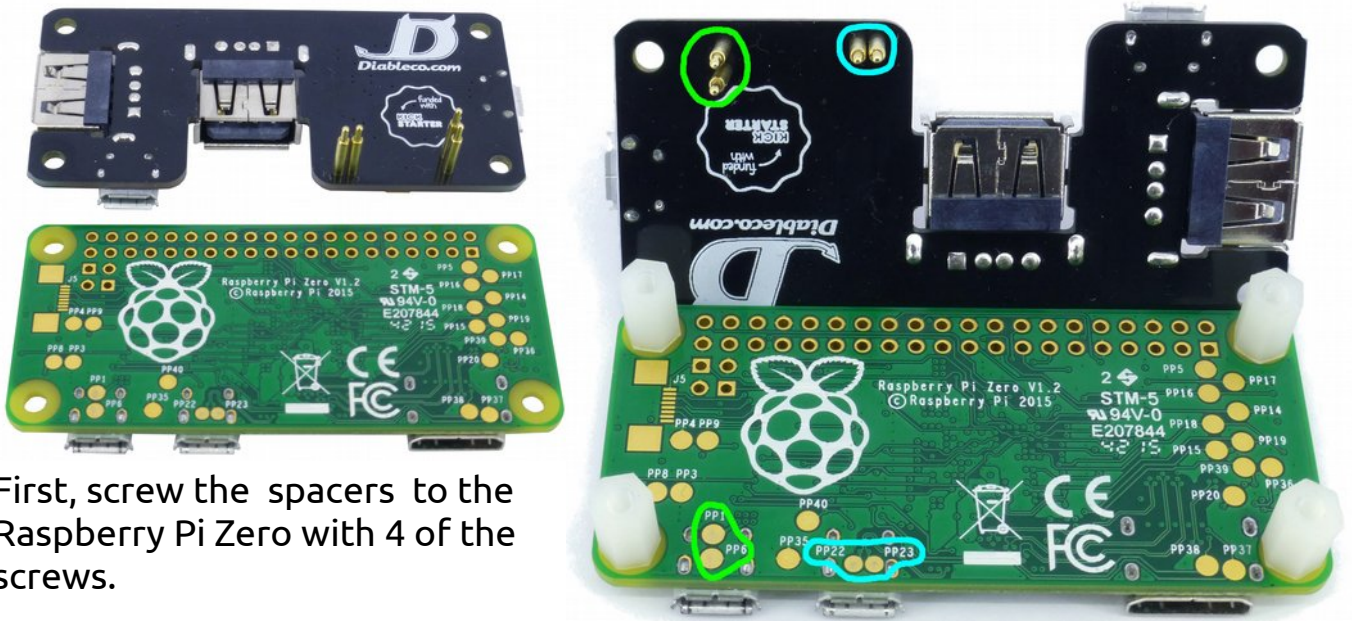
The 1~4 USB ports work in the same way: they are slaves for the USB HUB.

For the internal USB is recommended devices with a maximum width (W) 19mm and doesn't overhangs 10mm from the border of the USB connector (L).



It is recommended to power the entire system through the USB SHOE using the microUSB port. The Raspberry Pi Zero is a low power consumption device, but each USB attached to it will increase the consumption, use an appropriate power source to connected peripherals. For example a Wi-Fi dongle with a USB memory attached will work correctly with a 5V and 1 Ampere (this values are very common on smartphone chargers).

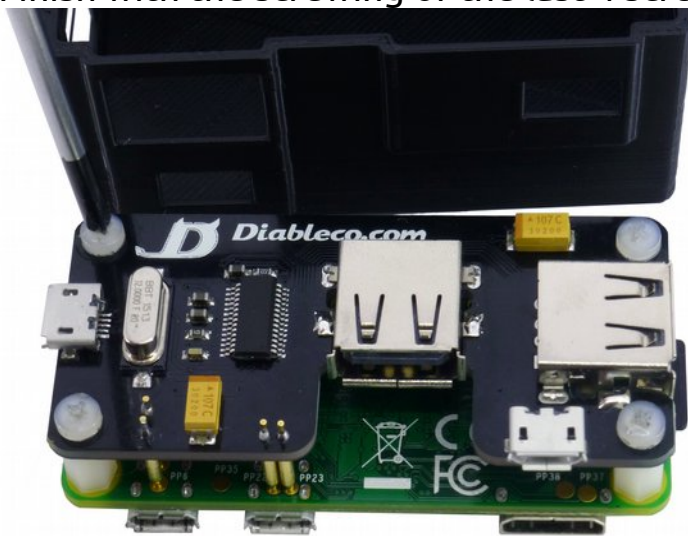
Installation is extremely simple: screw the included screws and power the Raspberry Pi with the normal power source.
The connexion between Pi Zero and USB SHOE is done by 4 pogo pins.



First, screw the spacers to the Raspberry Pi Zero with 4 of the screws.

Now sit the USB SHOE on the correct position (use: PP1, PP6, PP22 and PP23).

Finish with the screwing of the last 4 screws:



To use the case plug the internal USB and the microSD:



Close the 3D printed case (Pi Zero goes on the top):



Finally plug the power and external elements:

