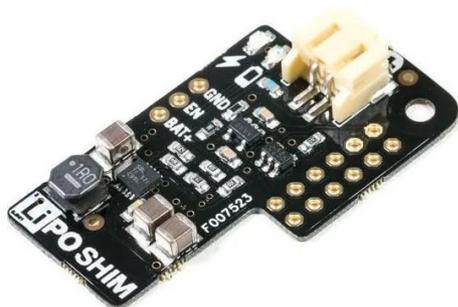**Item no.:** 345865
PIM208 - LiPo SHIM Battery Charge Controller for Raspberry Pi

from **24,74 EUR**

Item no.: 345865
shipping weight: 0.10 kg
Manufacturer: Pimoroni

📄 Product Description

LiPo SHIM Battery Charge Controller for Raspberry Pi

The tiny little LiPo/LiIon power supply SHIM for all versions of the Raspberry Pi!

Everybody loves mobile projects but having a discrete, slick, and tidy power supply solution is always tricky. LiPo SHIM (formerly known as Zero LiPo) aims to give you the most compact Raspberry Pi power supply possible.

You can either solder the 0.8 mm thick PCB directly onto the GPIO pins on your Pi for a permanent solution, or solder on the provided 2x6 0.1" female header which will allow you to remove your Zero LiPo at any time (but will block the GPIO pins).

Pimoroni use the TPS61232 step-up boost converter from Texas Instruments that offers up to 96% efficiency. The board includes power on and battery low indicator LEDs. During shutdown (due to under-voltage or external selection) the quiescent current is just 15 uA sip.

The MagPi described LiPo SHIM as "a slick bit of kit" and "a great option for providing safe power for a portable project" in their four star review.

- 0.8 mm thick PCB
- Shaped to sit as low as possible on the Raspberry Pi
- 2-pole JST connector ideal for most LiPo/LiIon batteries
- Power and low battery LED indicators
- Supplies up to 1.5 A continuous current (15 uA quiescent current)
- Low battery warning at 3.4 V (asserts GPIO #4 low)
- Automatic shutdown at 3.0 V to protect your battery
- VBAT+, GND, and EN pins available to break out
- 2x6 0.1" female header (optional, for non permanent installation)
- Includes rubber foot to space LiPo SHIM away from your Raspberry Pi
- LiPo SHIM pinout
- Compatible with all 40-pin header Raspberry Pi models
- Requires soldering
- Battery not included

📄 Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability