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LiPo SHIM

The tiny little LiPo/Lilon power supply shim for all versions of the Raspberry Pi! [Read more...](#)

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LiPo SHIM

Essential extras

- 500mAh – LiPo Battery Pack
- 1200mAh – LiPo Battery Pack
- 2000mAh – LiPo Battery Pack
- Adafruit Micro Lipo - USB Lilon/LiPoly charger

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LiPo SHIM

The tiny little LiPo/Lilon power supply shim for all versions of the Raspberry Pi!

We love 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 0.8mm 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).

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 15uA 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.

Need a battery? Check out our range of [LiPo](#) and [Lilon](#) batteries!

Features

- 0.8mm thick PCB
- Shaped to sit as low as possible on the Raspberry Pi
- 2-pole JST connector ideal for most LiPo/Lilon batteries
- Power and low battery LED indicators
- Supplies up to 1.5A continuous current (15uA quiescent current)
- Low battery warning at 3.4V (asserts GPIO #4 low)
- Automatic shutdown at 3.0V 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 Raspberry Pi 3, 2, B+, A+, Zero, and Zero W
- **Requires soldering**

Software

We've put together a one-line installer that will initiate a clean shutdown when the low battery warning is triggered and GPIO #4 is pulled low. More details are available [here](#) in the GitHub repository.

Our software does not support Raspbian Wheezy.

Notes

This is not a charger. You will need a separate charger to keep your LiPo/Lilon batteries topped up! We recommend the [Adafruit Micro Lipo](#) or [PowerBoost 1000 Charger](#).

The VBAT+ and GND pins that are broken out can be used as alternative way to inject power, for instance if you wanted to solder on your own JST connector with wires to make it stretch a bit further.

The EN pin can be pulled to ground to cut the power output from LiPo SHIM.

Reviews



13 Reviews

WRITE A REVIEW

Michael Ada... ★★★★★

Great little mobility item for pis!

41 days ago

Sam Green ★★★★★

Great product as always! Wanted to add a lightweight power source to my raspberry pi zero robot and using this circuit with a LiPo battery was just

57 days ago

Jean Muls ★★★★★

high performance bord, i like it!

59 days ago

Anonymous ★★★★★

Compact and simple, ideal for adding to a Pi Zero project, and simple to install and use.

4 months ago

BernardC ★★★★★☆

I soldered it directly to the Pi header allowing a control with screen

★ REVIEWS

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