

DFR0564 USB Charger for 7.4 LiPo Battery

DFR0564

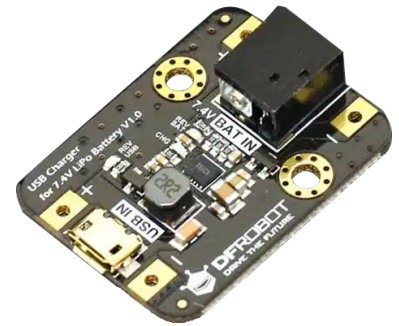
Product Overview

07-13-2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot DFR0564 USB Charger for 7.4V LiPo Battery is an efficient and compact device that can charge the lithium battery of 7.4V up to 1A. This USB charger features a micro-USB interface light-weight which can be used for outdoor applications. This DFR0564 USB charger can also be embedded in a lithium battery-powered project of 7.4V, by adding the function of USB charging to it. This in turn eliminates the use of bulky power adapters and battery swapping needs.



Features

- High-efficiency boost type USB charger designed for 7.4V Lithium battery
- Charge input and battery port reserved pads for easy modification and measurement
- All-round protection of battery and power supply
- Multifunction LED status indicator
- USB ESD shell

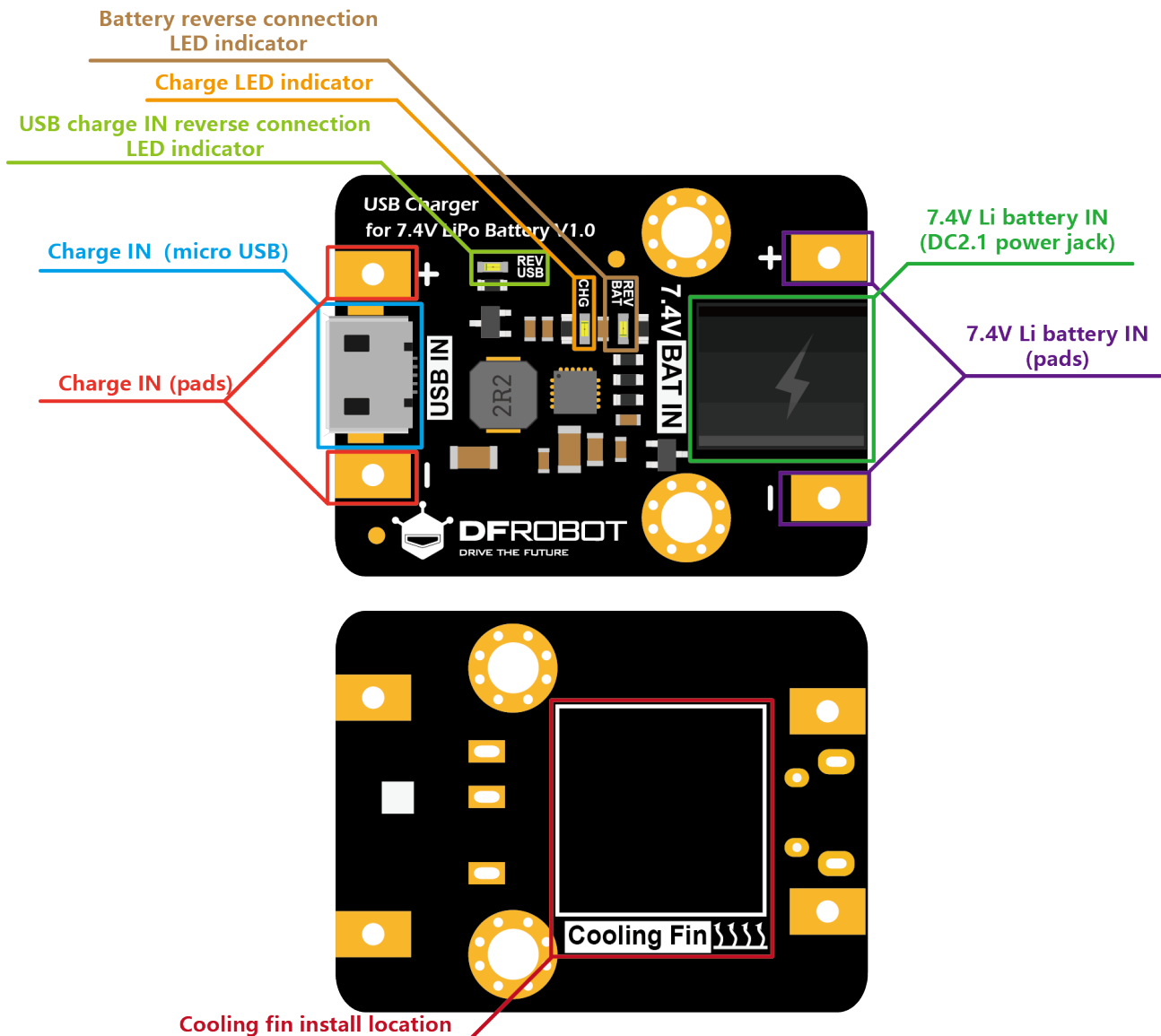
Specifications

- 3V to 6V charge input voltage (USB IN) range
- 7.4V 2s cells Li-Polymer/Li-ion battery
- 1A maximum charge current
- 8.4V $\pm 1\%$ charge cutoff voltage
- >90% charge efficiency
- -40°C to 85°C operating temperature range
- 28mm x 37mm product dimensions
- Protections:
 - Battery input (BAT IN):
 - Overcharge protection
 - Reverse connection protection
 - USB IN:
 - Adaptive input current limitation
 - Overheat/reverse connection protection

Applications

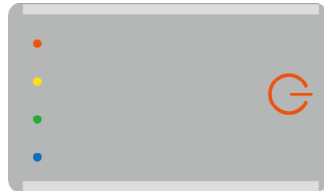
- Robots and motor drivers
- Lithium battery charger

DFR0564 Board Overview

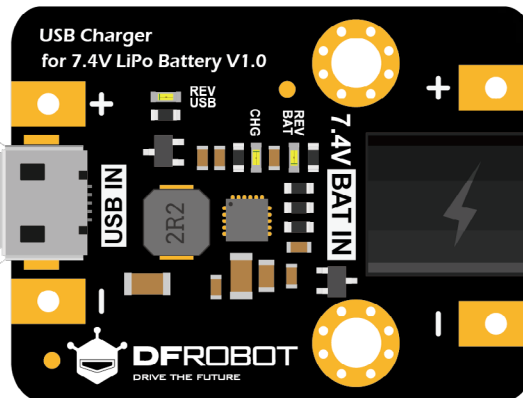
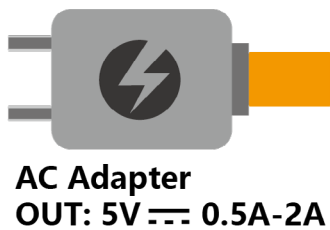


DFR0564 Application Circuit

Power bank
OUT: 5V --- 0.5A-2A



OR



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-dfr0564-usb-charger/>