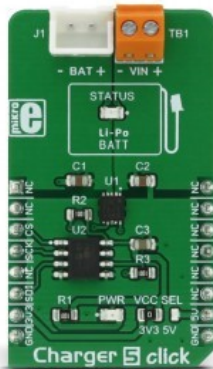


Charger 5 click



PID: MIKROE-2848

Charger 5 click is designed to charge Lithium-Ion and Lithium-Polymer batteries. Besides the overvoltage and undervoltage protection, reverse discharge and overtemperature protection, automatic recharge and end of charge safety timer, the click also introduces the fast charging feature to the line of click board™ charger products. Charger 5 click uses a programmable digital potentiometer for adjusting the fast charging constant current, which can be set from 100 mA to 950 mA, via the SPI interface.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	Battery charger
Applications	Charger 5 click can be used for fast and secure charging Li-Po/Li-ion 3.7V batteries, used in wide range of battery powered applications.
On-board modules	MCP 73113, a single-cell Li-Ion/Li-Polymer battery charge management controller with input overvoltage protection, MCP 4161, an 8-bit SPI digital POT with non-volatile memory
Key Features	Charger 5 click features many different options and algorithms optimized for safe and efficient charging of the Li-Po and Li-ion batteries. It has the fast charging feature, with user defined fast charging constant current, up to 950mA.
Interface	SPI
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™ standard specification](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[Charger 5 click example on Libstock](#)

[MCP73113 datasheet](#)

[MCP4161 datasheet](#)

[Charger 5 click schematic](#)

[Charger 5 click 2D and 3D files](#)

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