

Charger 18 Click



PID: MIKROE-4990

Charger 18 Click is a compact add-on board representing a single-cell battery charger. This board features the [LTC3553](#), a micropower, highly integrated power management, and battery charger for single-cell Li-Ion/Polymer battery applications from [Analog Devices](#). Designed specifically for USB applications, it also includes a PowerPath manager with automatic load prioritization and input current limit, a battery charger, and numerous internal protection features. It also indicates a battery charge state, and it comes with a synchronous 200mA buck regulator and a 150mA low dropout linear regulator (LDO). This Click board™ is suitable as a Li-Ion/Polymer battery charger for portable devices and accessories, power tools, and more.

Charger 18 Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

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	Can be used as a Li-Ion/Polymer battery charger for portable devices and accessories, power tools, and more
On-board modules	LTC3553 - micropower, highly integrated power management, and battery charger for single-cell Li-Ion/Polymer battery applications from Analog Devices
Key Features	High efficiency, USB, integrated buck and LDO regulators, accuracy, programmable input current limit, battery charging indication, and more
Interface	GPIO
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	5V, External

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[Charger 18 click example on Libstock](#)

[Charger 18 click schematic](#)

[Charger 18 click 2D and 3D files](#)

[LTC3553 datasheet](#)

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