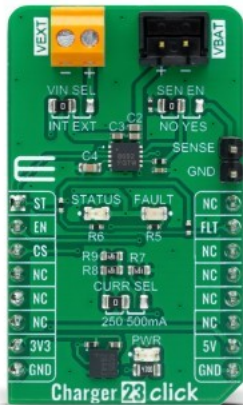


Charger 23 Click



PID: MIKROE-5573

Charger 23 Click is a compact add-on board providing a single-cell battery charging solution. This board features the [ISL78693](#), a single-cell Li-ion or Li-polymer battery charger from [Renesas](#). The ISL78693 can operate with an input voltage as low as 2.6V and works as a linear charger with the battery charged in a Constant Current/Constant Voltage (CC/CV) profile. The charge current is selectable with an external resistor between 250 and 500mA. Additional features include the preconditioning of an over-discharged battery, an NTC thermistor interface for charging the battery in a safe temperature range, automatic recharge, and more. This Click board™ is suitable as a Li-Ion/Polymer battery charger for portable devices and accessories, power tools, and more.

Charger 23 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	ISL78693 - single-cell Li-ion or Li-polymer battery charger from Renesas
Key Features	Operates as linear charger, selectable charge current, preconditioning of an over-discharged battery, NTC thermistor interface, automatic recharge, CC/CV charge profile, battery removal detection, charge status indication signals, and more
Interface	GPIO
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V,5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[Charger 23 click example on Libstock](#)

[ISL78693 datasheet](#)

[Charger 23 click 2D and 3D files](#)

[Charger 23 click schematic](#)

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).