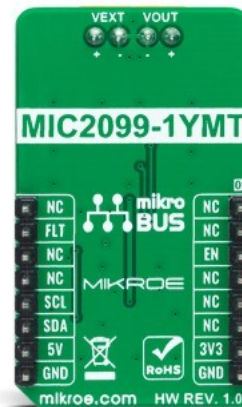
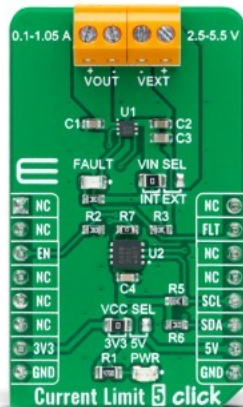


Current Limit 5 Click



PID: MIKROE-4999

Current Limit 5 Click is a compact add-on board representing a current-limiting solution. This board features the MIC2099, a current-limit power distribution switch from Microchip Technology. This Click board™ represents a programmable current limit solution with various protection features and fault indication, which operates from a 2.5V to 5.5V input voltage range. Also, the current limit is adjustable from 100mA up to 1.05A programmed through the MCP4561 digital potentiometer. This Click board™ is suitable for applications in portable equipment and condition monitoring or power supplies, protecting them in short circuits or other overload conditions.

Current Limit 5 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	Power Switch
Applications	Can be used for applications in portable equipment and condition monitoring or power supplies, protecting them in short circuits or other overload conditions
On-board modules	MIC2099 - current-limiting device with an adjustable overcurrent protection feature from Microchip Technology
Key Features	Integrated protection features, programmable current limiting up to 1.05A, soft start that prevents large current inrush, enable feature, automatic-on output after fault, and more
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V, External

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[Current Limit 5 click example on Libstock](#)

[Current Limit 5 click schematic](#)

[MIC2099 datasheet](#)

[MCP4561 datasheet](#)

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

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