

## Current Limit 10 Click



PID: MIKROE-5938

**Current Limit 10 Click** is a compact add-on board representing a current-limiting solution for your application. This board features the [HS2950P](#), a load protection HotSwitch from [Semtech](#). It features a wide input voltage range of 2.7V up to 29V and can provide up to 5A output current. The HS2950P features an adjustable current limit, over-voltage protection, automatic output discharge, and soft start. It automatically restarts from all faults except OVP and UVLO. This Click board™ makes the perfect solution for the development of telecommunication and networking equipment, office automation equipment, consumer products, and more.

Current Limit 10 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS™](#) standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this Click board™ apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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 the development of telecommunication and networking equipment, office automation equipment, consumer products, and more
On-board modules	HS2950P - aload protection HotSwitch from Semtech
Key Features	Integrated load switch, wide input voltage range, wide output current range, adjustable current limit, adjustable over-voltage protection, automatic output discharge, soft start, automatic restart from all faults except OVP and UVLO, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V,External

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

[ClickID](#)

## Downloads

[MAX5419 datasheet](#)

[Current Limit 10 click example on Libstock](#)

[HS2950P datasheet](#)

[Current Limit 10 click 2D and 3D files](#)

[Current Limit 10 click schematic](#)

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