

SolidSwitch 3 Click



PID: MIKROE-5079

SolidSwitch 3 Click is a compact add-on board that contains a load switching device. This board features the BD8LB600FS-C, an automotive eight-channel low-side switch from Rohm Semiconductor. Every switch is controlled via an SPI interface and includes an N-channel MOSFET that supports a maximum current of 1A. The BD8LB600FS-C also has built-in protection circuits, namely the overcurrent, the thermal shutdown, the open-load detection, and the voltage lock-out circuits. Moreover, this device also possesses a diagnostic output function during abnormal detection. This Click board™ is suitable for driving resistive, inductive, and capacitive loads.

SolidSwitch 3 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	Relay
Applications	Can be used for driving resistive, inductive, and capacitive loads
On-board modules	BD8LB600FS-C - automotive eight-channel low-side load switch from Rohm Semiconductor
Key Features	Eight channel load switch, 16-bit SPI interface for diagnostics and control, built-in protection features, 1A maximum output current, and more
Interface	SPI
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[SolidSwitch 3 click example on Libstock](#)

[BD8LB600FS-C datasheet](#)

[SolidSwitch 3 click 2D and 3D files](#)

[SolidSwitch 3 click schematic](#)

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