

SolidSwitch 2 Click



PID: MIKROE-5313

SolidSwitch 2 Click is a compact add-on board that contains a load switching device. This board features the L9026, an automotive eight-channel relay driver from STMicroelectronics. The L9026 incorporates two high-side drivers and six configurable high-side/low-side drivers driven by an SPI interface or by two dedicated parallel inputs. Operating from an external power supply from 3V up to 18V, it provides a maximum current of 1A on its output terminals. It also offers advanced diagnostic and protection features such as short-to-ground, open load, overcurrent, and overtemperature detections. This Click board™ is suitable for automotive applications and driving resistive, inductive, and capacitive loads.

SolidSwitch 2 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 automotive applications and driving resistive, inductive, and capacitive loads
On-board modules	L9026 - multi-channel relay driver from STMicroelectronics
Key Features	AEC-Q100 qualified, six configurable LS/HS drivers, two parallel input pins with input mapping functionality, cranking capability down to 3V, protection features, Limp Home mode, and more
Interface	GPIO, SPI
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™](#)

Downloads

[SolidSwitch 2 click example on Libstock](#)
[L9026 datasheet](#)
[SolidSwitch 2 click 2D and 3D files](#)
[SolidSwitch 2 click schematic](#)

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