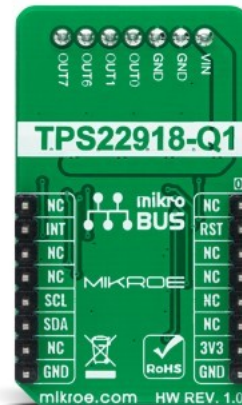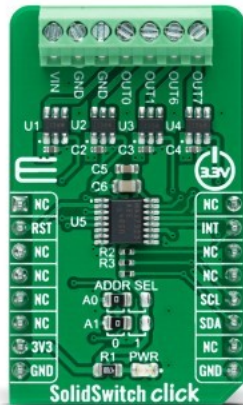# SolidSwitch Click

PID: MIKROE-4569

SolidSwitch Click is a compact add-on board that contains load switch devices. This board features the TPS22918, four single-channel load switches from Texas Instruments. Every switch includes an N-channel MOSFET that operates over an input voltage range up to 5.5V and can support a maximum continuous current of 2 A. The switches are controlled by an ON/OFF input, performed by MAX7323, an I2C configurable port expander capable of interfacing directly with low-voltage control signals. This Click board™ is suitable for industrial systems, set-top boxes, electronic point of scale, and various other applications.

SolidSwitch 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.

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Specifications

Type	Relay
Applications	Can be used for industrial systems, set-top boxes, electronic point of scale, and various other applications.
On-board modules	TPS22918 - 5.5V 2A load switch from Texas Instruments
Key Features	Four integrated single channel load switches, flexible design, 2A maximum switch current, and more.
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V,External

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

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

[TPS22918 datasheet](#)

[MAX7323 datasheet](#)

[SolidSwitch click schematic](#)

[SolidSwitch click example on Libstock](#)