

SPI Isolator 2 Click



PID: MIKROE-4415

SPI Isolator 2 Click is a compact add-on board that contains a digital isolator optimized for a serial peripheral interface. This board features the [ISO7741](#), a high-performance quad-channel digital isolator with a double capacitive silicon dioxide insulation barrier capable of galvanic isolation up to 5000Vrms from [Texas Instruments](#). The ISO7741 provides high electromagnetic immunity and low emissions at low power consumption while isolating digital I/Os. It has three forward and one reverse-direction channel with enable pins that can be used to put the respective outputs in Hi-Z state. This Click board™ provides a simple, compact solution for isolated SPI data communication.

SPI Isolator 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	Isolators,SPI
Applications	Can be used for isolated SPI data communication.
On-board modules	SPI Isolator 2 Click is based on the ISO7741, a high-performance quad-channel digital isolator capable of galvanic isolation up to 5000Vrms from Texas Instruments
Key Features	Low power consumption, up to 5000Vrms isolation rating, high speed, high-performance, provides high electromagnetic immunity, each channel separated by a double capacitive silicon dioxide insulation barrier, 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

[SPI Isolator 2 click example on Libstock](#)

[SPI Isolator 2 click 2D and 3D files](#)

[ISO7741 datasheet](#)

[SPI Isolator 2 click schematic](#)

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