

SPI Isolator 4 Click



PID: MIKROE-4869

SPI Isolator 4 Click is a compact add-on board that contains a digital isolator optimized for a serial peripheral interface. This board features the ADuM341E, a quad-channel 5kVRMS digital isolator from [Analog Devices](#). This board features the ADuM341E, a quad-channel 5kVRMS digital isolator from Analog Devices. This isolation component provides outstanding performance by combining high speed, complementary metal-oxide-semiconductor (CMOS), and monolithic air core transformer technology. Its data channels are independent and available in various configurations with a withstand voltage rating of 5kVrms, and operate with the external supply voltage ranging from 2.25V to 5.5V, providing compatibility with lower voltage systems enabling voltage translation functionality across the isolation barrier. This Click board™ is suitable for general SPI-bus isolation, RS485 and CAN FG industrial field bus isolation, GPIO multichannel isolation, and many more.

SPI Isolator 4 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 general SPI-bus isolation, RS485 and CAN FG industrial field bus isolation, GPIO multichannel isolation, and many more
On-board modules	ADuM341E - quad-channel digital isolator optimized for a serial peripheral interface from Analog Devices
Key Features	High common-mode transient immunity, high performance, low propagation delay, 100Mbps maximum guaranteed data rate, safety and regulatory approvals, low power consumption, and more
Interface	SPI
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V,External

Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)
[Click Boards™](#)

Downloads

[SPI Isolator 4 click 2D and 3D files](#)
[SPI Isolator 4 click schematic](#)
[SPI Isolator 4 click example on Libstock](#)

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