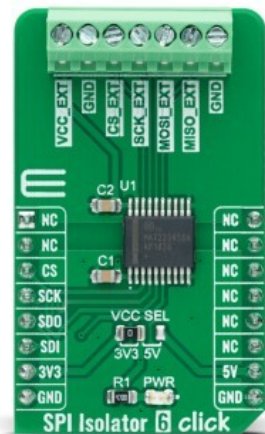


# SPI Isolator 6 Click



PID: MIKROE-5265

**SPI Isolator 6 Click** is a compact add-on board representing a digital isolator optimized for a serial peripheral interface. This board features the [MAX22345](#), a fast, low-power 4-channel digital galvanic isolator from [Analog Devices](#). This device comes with a maximum data rate of 200Mbps and transfers digital signals between circuits with different power domains featuring reinforced isolation for a withstand voltage rating of 3.75kVRMS for 60 seconds. This Click board™ is suitable for general SPI-bus isolation, industrial, process and building automation, programmable logic controllers, and many more.

SPI Isolator 6 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, industrial, process and building automation, programmable logic controllers, and many more
On-board modules	MAX22345 - four-channel digital isolator from Analog Devices
Key Features	Reinforced galvanic isolation for SPI communication, up to 200Mbps maximum data rate, withstands 3.75kVRMS for 60s, 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 6 click example on Libstock](#)
[MAX22345 datasheet](#)
[SPI Isolator 6 click 2D and 3D files](#)
[SPI Isolator 6 click schematic](#)

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).