

CAN Isolator 3 Click



PID: MIKROE-5785

CAN Isolator 3 Click is a compact add-on board that provides isolated CAN communication. This board features the [MAX14882](#), an isolated CAN transceiver with an integrated transformer driver from [Analog Devices](#). It is galvanically isolated between the device's CAN-protocol controller side (TDX, RDX) and the physical wires of the CAN network (CANH, CANL) cable-side/bus-side of the transceiver. The MAX14882 provides up to 5kVRMS of galvanic isolation for 60 seconds and a continuous working voltage of up to 848VRMS while operating at the maximum high-speed CAN data rate of 1Mbps. Also, one of the most essential features of this board is the possibility of its independent generation of isolated voltage. This Click board™ makes the perfect solution for the development of automation, industrial controls, HVAC, switching gears, and more.

CAN Isolator 3 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	CAN
Applications	Can be used for the development of automation, industrial controls, HVAC, switching gears, and more
On-board modules	MAX14882 - isolated CAN transceiver with an integrated transformer driver from Analog Devices
Key Features	Good galvanic isolation, wide supply voltage range for CAN controller interface, field bus polarity control, integrated transformer driver for power transfer to Bus-side, integrated LDO for powering CAN Bus-side, fault protection, VISO terminal can be used as a Bus-side power input or an LDO power output, and more
Interface	UART
ClickID	Yes
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[CAN Isolator 3 click example on Libstock](#)

[TGMR-1464V6LF datasheet](#)

[MAX14882 datasheet](#)

[CAN Isolator 3 Click schematic](#)

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

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