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ISO 9141 Click

PID: MIKROE-4331

ISO 9141 Click is a compact add-on board that contains a monolithic bus driver with ISO 9141 interface. This board features the L9637, a monolithic integrated circuit containing standard ISO 9141 compatible interface functions from ST Microelectronics. It's designed to provide bidirectional serial communication compatible with ISO9141 standard. It has many features such as wide input/output voltage range, controlled output slope for EMI, Standby Mode with low current consumption, overtemperature Shut-Down function, and more. This Click board™ is suitable for automotive diagnostic applications such as powertrain for ICE (CNG/LPG engine control or diesel/gasoline injection), an automotive gateway in telematics and networking, and many more.

ISO 9141 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	CAN
Applications	Can be used for automotive diagnostic applications such as powertrain for ICE (CNG/LPG engine control or diesel/gasoline injection), an automotive gateway in telematics and networking, and many more.
On-board modules	ISO 9141 Click is based on the L9637, a monolithic bus driver designed to provide bidirectional serial communication in automotive diagnostic applications according to the specification "Diagnostic Systems ISO9141" from ST Microelectronics.
Key Features	Wide input and output voltage range, overtemperature shut down function, bidirectional K I/O pin with supply voltage dependent input threshold, Stand-by Mode with very low current consumption, and more.
Interface	UART
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[ISO 9141 click 2D and 3D files](#)

[L9637D datasheet](#)

[ISO 9141 click schematic](#)

[ISO 9141 click example on Libstock](#)

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