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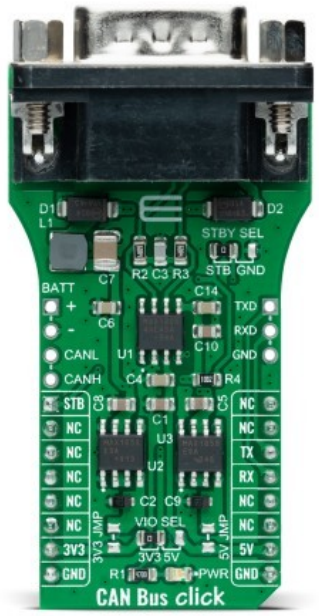
CAN Bus Click



PID: MIKROE-4640

CAN Bus Click is a compact add-on board that provides a link between the CAN protocol controller and the physical wires of the bus lines in a control area network (CAN). This board features the MAX13054, an industry-standard, high-speed CAN transceiver with extended ±80V fault protection from Analog Devices. The CAN transceiver has an input common-mode range greater than ±12V with data rates up to 1Mbps, exceeding the ISO11898 specification of -2V to +7V, and feature ±8kV ESD protection. It also comes with a Standby feature that shuts off the transmitter and switches the receiver to a low-current/low-speed state. This Click board™ is suitable for harsh industrial environments and industrial network applications where overvoltage protection is required.

CAN Bus 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 harsh industrial environments and industrial network applications where overvoltage protection is required
On-board modules	MAX13054 - ±80V fault-protected CAN-transceiver ideal for industrial network applications that require overvoltage protection from Maxim Integrated
Key Features	Fully compatible with the ISO11898 standard, ±80V fault protection, high-speed operation of up to 1Mbps, low-current Standby mode, transmit data dominant timeout, and more.
Interface	UART
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V,External

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

MAX1658/59 datasheet

MAX13054 datasheet

CAN Bus click 2D and 3D files

CAN Bus click schematic

CAN Bus click example on Libstock