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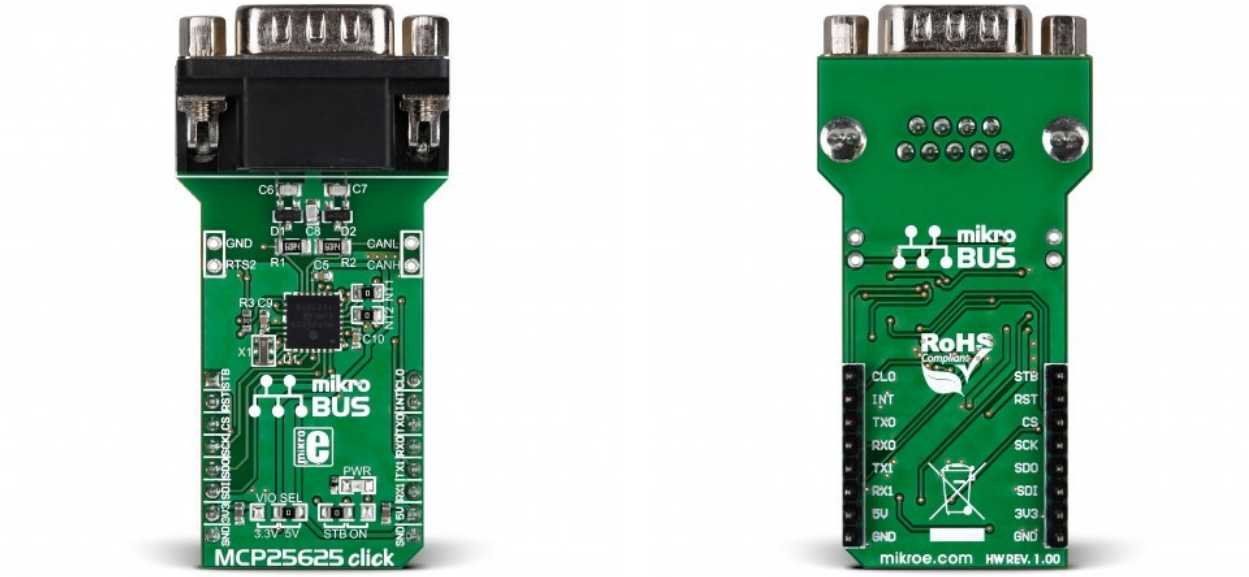
MCP25625 Click



PID: MIKROE-2228

MCP25625 click is a mikroBUS™ add-on board carrying a Microchip CAN controller with an integrated transceiver. It meets the automotive requirement for high speed operation (up to 1 Mb/s).

Named after the main chip, MCP25625 click also has a RS232 port, which is a standard connector for CAN communications. Additionally, the two CAN wires (CANL and CANH) can also be connected directly through two pins on the right edge of the board.
The click communicates with the target MCU through the SPI interface — although there are additional options that take the load off the target board MCU. To that end, all 16 mikroBUS™ pins are connected. There's a clock output, a Request To Send, an Interrupt, standby, reset and more. MCP25625 click can work with both 3.3V or 5V logic levels.

Specifications

Type	CAN
Applications	MCP25625 click also with RS232 port allows CAN communications
On-board modules	Microchip CAN controller
Key Features	Operating speeds up to 1 Mb/s, SPI interface (up to 10 MHz Clock speed) with additional pins
Interface	GPIO,SPI,UART
Feature	No ClickID

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Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

Click board™ Catalog

Click Boards™

Downloads

MCP25625 click example on Libstock

MCP25625 click schematic

Learn Artical - MCP25625 Can Controller