

CAN FD 5 Click



PID: MIKROE-4286

CAN FD 5 Click is a compact add-on board that contains a high-speed CAN transceiver that supports both CAN and CAN FD protocol types. This board features the UJA1162A, a 'self-supplied' high-speed CAN transceiver integrating an ISO 11898-2:2016 and SAE J2284-1 to SAE J2284-5 compliant CAN transceiver with Sleep Mode from [NXP Semiconductors](https://www.nxp.com). It supports many additional features like an under-voltage detection, mode control via a single GPIO pin, remote and local wake-up capability, overtemperature shutdown, and a very low quiescent current in Sleep mode. This Click board™ is suitable for HS CAN networks in automotive applications and networks in industrial applications, in electric power steering (EPS), HVAC climate control, tire pressure monitoring system (TPMS), and many more.

CAN FD 5 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,CAN FD
Applications	Can be used for a HS CAN networks in automotive applications and networks in industrial applications, in electric power steering (EPS), HVAC climate control, tire pressure monitoring system (TPMS), and many more.
On-board modules	CAN FD 5 Click is based on the UJA1162A, a 'self-supplied' high-speed (HS) CAN transceiver integrating an ISO 11898-2:2016 and SAE J2284-1 to SAE J2284-5 compliant CAN transceiver with Sleep Mode from NXP Semiconductors.
Key Features	Under-voltage detection, remote and local wake-up capability, overtemperature shutdown, and a very low quiescent current in Sleep mode, and more.
Interface	UART
ClickID	No
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 FD 5 click schematic](#)
[UJA1162A datasheet](#)
[TLS850B0TBV33 datasheet](#)
[CAN FD 5 click 2D and 3D files](#)
[CAN FD 5 click example on Libstock](#)

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