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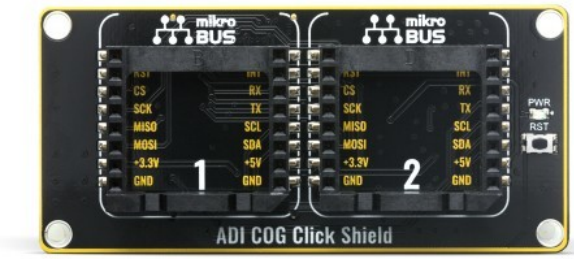
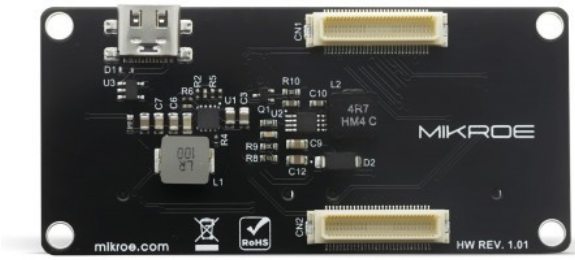
ADI COG Click Shield





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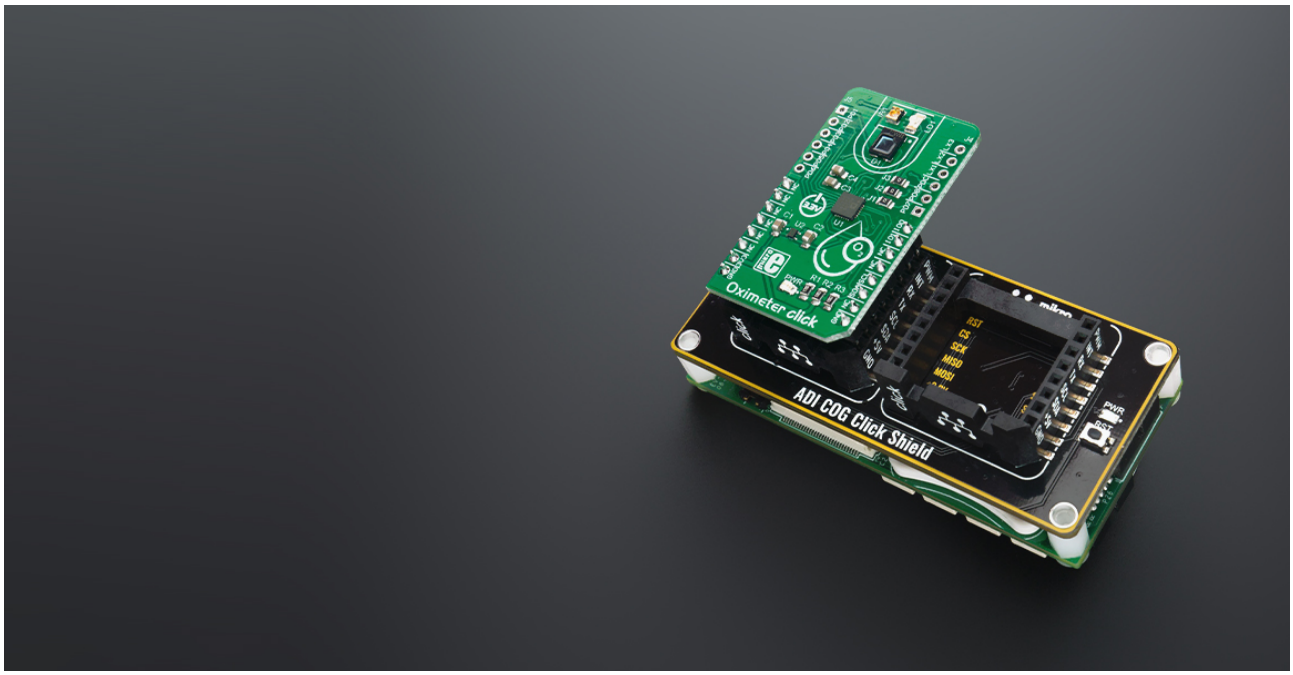

Overview

The ADI COG Click Shield is the perfect way to expand the functionalities of your EV-COG-AD4050LZ, from Analog Device. The ADI COG Click Shield provides 2 mikroBUS™ sockets - add any functionality from our ever-growing range of Click boards™. We are fully stocked with everything from sensors and WiFi transceivers to motor control and audio amplifiers.

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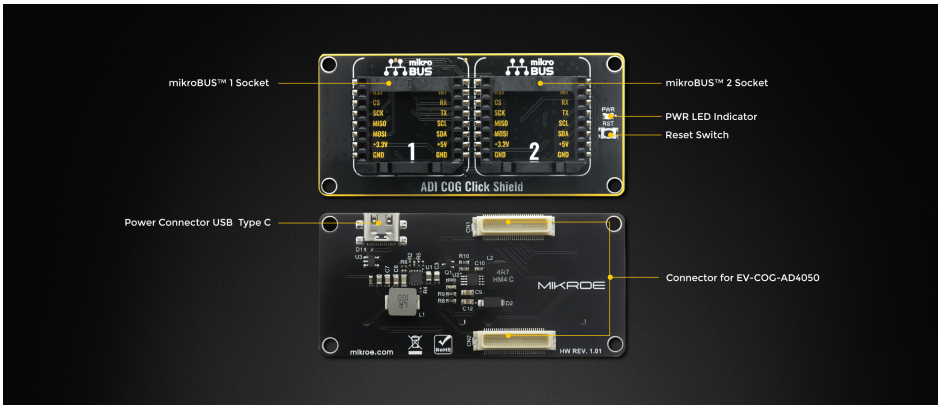
The EV-COG-AD4050 is a development platform for Analog Devices Ultra Low Power technology across ADI's MCU and RF transceiver portfolio. The board uses CrossCore Embedded Studio, an open source Eclipse based Interactive Development Environment (IDE), which can be downloaded free of charge. The platform contains many hardware and software example projects to make it easier for customers to prototype and create solutions for Internet of Things (IoT) applications especially with combining it with our ADI COG Click Shield and Click boards.

Note: ADI-COG-AD4050 is not included in the package.

CLICK BOARD
COMBINATIONS

Main features



The ADI COG Click Shield is an adapter board for EV-COG-AD4050LZ board, from Analog Devices, with two mikroBUS sockets onboard. It's a simple shield with two mikroBUS host sockets that allow you to connect an ever-growing range of Click boards™ to the EV-COG-AD4050LZ board. Quickly add functionalities like WiFi, GSM, GPS, Bluetooth, ZigBee, or thunder detection, proximity and colour sensing and so on. Software examples for click boards for MikroElektronika compilers are available on Libstock, giving you a repository of working code to use as it is, or as a starting point for your own projects.

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The ADI COG Click Shield provides three options for power supply. PWR led diode will glow Green when is power on. The first option is supplying the mikroBUS sockets over the EV-COG-AD4050LZ board, then the power of ADI COG Click Shield is brought from the mainboard. The second option is when the USB type C connector is connected to the shield, the ADI COG Click Shield, and the EV-COG-AD4050LZ board are powered from the USB type C. The third option is when the power is connected to the shield and to the mainboard. In that case, the shield is powered from the USB Type C connector, while the EV-COG-AD4050LZ board is powered from its own USB.

Specifications

Type	Shield
Applications	ADI COG Click Shield allows you to use Click boards™ on your EV-COG-AD4050LZ board.
On-board modules	Two mikroBUS™ host sockets, Power Connector USB type C.
Key Features	EV-COG-AD4050LZ compatible connector on the opposite side.
Compatibility	ADI COG,mikroBUS™
Input Voltage	5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

ADI COG Click Shield 2D and 3D files

ADI COG Click Shield schematic