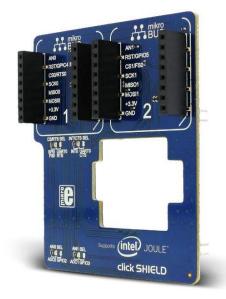


Intel® JouleTM click SHIELD

PID: MIKROE-2546



Intel® JouleTM click SHIELD is an extension for Intel® JouleTM Expansion Board. This click shield allows you to add more than 270 click boardsTM to your project. Add displays, WiFi, ZigBee or Bluetooth transceivers, Ethernet modules, sensors, MP3 codec circuit and other features to your prototype with ease.

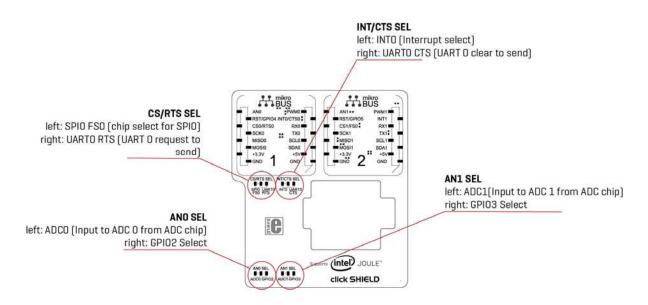
Click boardsTM come with examples written in MikroElektronika compilers, so you will have a great base for your future projects.

The Intel® JouleTM click SHIELD board includes the MCP3204 ADC - 2.7V 4-Channel/8-Channel 12-Bit A/D Converters with SPITM Serial Interface. The onboard ADC has a 2.048V reference.

The board also features 2x40 pin connectors.

Note: In case you don't want to use the 5V power supply on the Intel® Joule[™] click SHIELD you should remove the jumper on the lower side of the board - marked as 5V EN.

Jumpers and settings



Intel® Joule™ Expansion Board

The expansion board is intended to breakout all I/O interfaces from the Intel® JouleTM module into easily accessible connectors.

Intel® Joule[™] module

This powerful system on module (SoM) was designed to help inventors and IoT developers contribute to a new generation of robots, drones, and IoT devices that are equipped with Intel® HD Graphics, 3D modeling, object recognition, and interactive capabilities.

Key features

- Two mikroBUS[™] sockets
- MCP3204 ADC
- 2x40 connector pins
- 3.3V and 5V power supply

Specification

Product Type	Shield
Applications	Add click board TM connectivity to the Intel® Joule TM Expansion Board
On-board modules	Two mikroBUS [™] sockets, MCP3204 ADC
Power Supply	3.3V and 5V
Compatibility	Intel® Joule TM