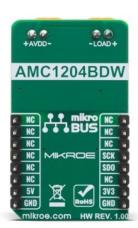


MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com

ISO ADC Click





PID: MIKROE-4088

The ISO ADC click is add-on board current-shunt measurement device with isolated delta-sigma modulator. This Click board™ is based on AMC1204BDWR -provide a single-chip solution for measuring the small signal of a shunt resistor across an isolated barrier from Texas Instruments. ISO ADC click contains shunt resistor, these types of resistors are typically used to sense currents in motor control inverters, green energy generation systems, and other industrial applications.

ISO ADC click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board $^{\text{TM}}$ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS $^{\text{TM}}$ 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.





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Specifications

Туре	ADC
Applications	ISO ADC click can be used to sense currents in motor control inverters, green energy generation systems, and other industrial applications.
On-board modules	AMC1204BDWR, Isolated Delta-Sigma Modulator for Current-Shunt Measurement, from Texas Instruments.
Key Features	±250-mV input voltage range optimized for shunt resistors, High electromagnetic field immunity, External clock input for easier synchronization
Interface	SPI
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™ Standard specification

LibStock: mikroSDK

Click board catalog

Click boards™ Standard Page

Downloads

ISO ADC click 2D and 3D files

AMC1204BDWR datasheet

ISO ADC click schematic

ISO ADC click example on Libstock

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