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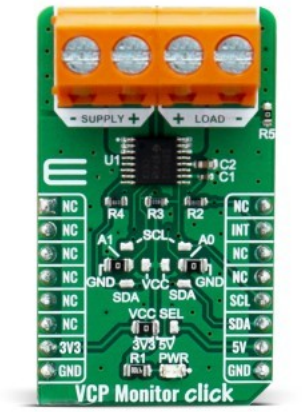
VCP Monitor Click



PID: MIKROE-4039

The **VCP Monitor Click** is add-on board power monitor system. This Click board™ is based on INA260AIPWR - precision digital current and power monitor with low-drift, integrated precision shunt resistor, from Texas Instruments. Therefore, using VCP Monitor Click, current, voltage and power can be monitored. The integrated current-sensing resistor ensures measurement stability over temperature as well as simplifying printed-circuit board layout difficulties common in high precision current sensing measurements.

VCP Monitor 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.

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Specifications

Type	Current sensor
Applications	VCP Monitor click click is a perfect solution for the development of the Power Managment system, Battery Chargers and Power Supplies.
On-board modules	NA260AIPWR, a digital-output, current, power, and voltage monitor with an I2C and SMBus™-compatible interfacefrom Texas Instruments
Key Features	Current Sense Resistance: 2 mΩ, Tolerance Equivalent to 0.1%, 15-A Continuous From –40°C to +85°C, 16 Programmable Addresses.
Interface	I2C
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

VCP Monitor click example on Libstock

VCP Monitor click 2D and 3D files

INA260 datasheet

VCP Monitor click schematic

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