

New Product Announcement

Microchip's PAC1934 Power Monitor, Now Shipping from Mouser, Delivers Increased Measurement Accuracy

October 26, 2017 – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [PAC1934](#) precision power and energy monitoring chip from [Microchip Technology](http://www.microchip.com). Designed with an I²C- and SMBus™-compatible interface, the PAC1934 chip provides selectable bidirectional current sense capability from minus 100 mV to +100 mV. The chip offers increased precision in power and energy monitoring, with measurement accuracy down to 1 percent over a wide dynamic range.

The [Microchip PAC1934](#) DC power/energy monitor with accumulator, available from Mouser Electronics, is a highly capable chip designed to measure everything from simple Core Processing Unit tasks to software running on USB Type-C-connected devices. The PAC1934 features a four-channel, high-side current sensor with a 100mV full-scale voltage sense range, 16-bit resolution, and directly connects to voltage rails from 0V to 32V. The chip's bidirectional capability enables it to track both battery charging and battery discharge. The chip accumulates and stores 28-bit power results, enabling easy retrieval by the system master or embedded controller. The I²C and SMBus interfaces allow engineers to configure a variety of controls, including energy integration periods from 1 millisecond to 36 hours and sampling rates of 8, 64, 256, or 1024 samples per second.

Microchip's PAC1934 device is ideally suited for use in [server](#), networking, [automotive](#) and [industrial](#) applications. The chip's forward-thinking, bidirectional design makes it an essential tool for use with [USB](#) Type-C charging topologies.

To learn more, visit <https://www.mouser.com/new/microchip/microchip-dc-power-energy-monitor/>.

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About Mouser Electronics

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About Microchip Technology

Microchip Technology Inc. is a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support along with dependable delivery and quality.

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