

## New Product Announcement

### Mouser Now Shipping Analog Devices ADAQ23875 16-Bit, 15 MSPS $\mu$ Module Data Acquisition Solution

**March 22, 2021** – [Mouser Electronics](#), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [ADAQ23875](#)  $\mu$ Module® data acquisition solution (DAQ) from [Analog Devices](#), Inc. Utilizing system-in-package (SIP) technology, the ADAQ23875 integrates multiple common signal-processing and conditioning blocks into a single device, reducing end system component count and development cycles of precision [measurement](#) systems.

The [Analog Devices ADAQ23875](#) DAQ, available from Mouser Electronics, integrates a low-noise, fully differential analog-to-digital converter (ADC) driver; a stable reference buffer; and a high-speed 16-bit, 15 MSPS successive approximation register (SAR) ADC. The device also incorporates Analog Devices' iPassives® technology, supplying crucial passive components with superior matching and drift characteristics, to minimize temperature dependent error sources through optimized performance. The fast settling of the ADC driver stage, with fully differential or single-ended to differential input and no latency of the SAR ADC, provides a unique solution for high-channel-count multiplexed signal chain architectures and control loop applications.

The ADAQ23875 comes in a 9 mm × 9 mm package, four times smaller than its discrete equivalent, enabling smaller-form-factor instruments without sacrificing performance. The DAQ features a serial low-voltage differential-signaling (LVDS) digital interface with one-lane or two-lane output modes, allowing the user to optimize the interface data rate for each application.

The ADAQ23875 is supported by the [EVAL-ADAQ23875FMCZ](#) evaluation board, also available from Mouser Electronics. The EVAL-ADAQ23875FMCZ, together with the required [EVAL-SDP-CH1Z](#) high-speed controller board and signal source, demonstrates the performance of the ADAQ23875  $\mu$ Module. The board includes a pre-mounted ADAQ23875, a choice of a 4.096 V or 2.048 V reference, onboard reference, low-dropout (LDO) regulator, and power supply circuits, and an 800 MHz clock distribution IC.

To learn more about the ADAQ23875, visit <https://www.mouser.com/new/analog-devices/analog-adaq23875-umodule/>.

As a global authorized distributor, Mouser offers the world's widest selection of the newest semiconductors and electronic components — in stock and ready to ship. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each of its manufacturer partners. To help speed customers' designs, Mouser's website hosts an extensive library of technical resources, including a [Technical Resource Center](#), along with product data sheets, supplier-specific reference designs, application notes, technical design information, engineering tools and other helpful information.

### **About Mouser Electronics**

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### **About Analog Devices**

Analog Devices is a leading global high-performance analog technology company dedicated to solving the toughest engineering challenges. We enable our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure, power, connect and interpret. Visit <https://www.analog.com>.

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