



New Product Announcement

Mouser Electronics Now Shipping TI's Low-Power TLA202x ADCs for System-Monitoring Applications

August 2, 2018 – [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 12-bit [TLA202x](#) delta-sigma analog-to-digital converters (ADCs) from [Texas Instruments](#) (TI). Drawing currents as low as 150 μ A, the highly integrated TLA202x ADCs are designed for system-monitoring applications such as supply or battery [voltage supervision](#), current sensing, and temperature [measurements](#).

The [TI TLA202x](#) ADCs, available from Mouser Electronics, consist of the TLA2021, TLA2022, and TLA2024 devices. The TLA2021 and TLA2022 devices are single-channel ADCs, while the TLA2024 features two differential or four single-ended inputs through a flexible input multiplexer (MUX), which provides an industry-high channel density of 0.75 mm² per channel. All TLA202x ADCs integrate a voltage reference and oscillator; additionally, the TLA2022 and TLA2024 include a programmable gain amplifier (PGA) with selectable input ranges from ± 256 mV to ± 6.144 V, enabling both large- and small-signal measurements.

The TLA202x ADCs feature programmable data rates from 128 samples-per-second (SPS) to 3.3 KSPS and offers two conversion modes: single-shot or continuous. The ADCs' I²C-compatible interface supports I²C bus speeds up to 400 kbits per second (kbps) and a single address pin. The 1.5 mm x 2.0 mm X2QFN devices operate from a wide supply range of 2.0 V to 5.5 V over a temperature range of minus 40 to 85 degrees Celsius.

To learn more, visit www.mouser.com/ti-tla2021-tla2022-tla2024-adcs.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 700 manufacturers. Mouser offers 23 support locations around the world to provide best-in-class customer service and ships globally to over 600,000 customers in more than 220 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

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