

New Product Announcement

Next Generation of Maxim's ModelGauge m5 EZ Battery Gauge Now Available at Mouser

March 28, 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 offering the [MAX17055](http://www.maximintegrated.com/en/products/battery-fuel-gauges/17055.html) 1-cell battery fuel gauge from [Maxim Integrated](http://www.maximintegrated.com). The ultra-low-power, standalone IC monitors a single-cell lithium battery pack and offers programmable alert functions for voltage, temperature, current, and state of charge (SOC) while consuming just 18 μ A in active mode and 7 μ A in hibernation mode.

The [Maxim MAX17055](http://www.maximintegrated.com/en/products/battery-fuel-gauges/17055.html) battery fuel gauge IC, available from Mouser Electronics, determines the amount of [charge](#) remaining in a battery and how much longer the battery can continue to provide useful power under the current load. The IC implements the Maxim ModelGauge m5 EZ algorithm, which eases implementation by eliminating battery characterization requirements and simplifying host interaction for configuration. It also provides tolerance against battery diversity for most lithium batteries and applications.

The MAX17055 IC automatically compensates for cell aging, temperature, and discharge rate, and provides accurate SOC in milliampere-hours (mAh) or percentage over a wide range of operating conditions. As the battery approaches the critical region near empty, the ModelGauge m5 EZ algorithm invokes a special error-correction mechanism that eliminates any error. The IC also provides three methods for reporting the age of the battery: reduction in capacity, increase in battery resistance, and cycle odometer.

The MAX17055 battery fuel gauge IC is supported by the [MAX17055XEVKIT](http://www.maximintegrated.com/en/products/battery-fuel-gauges/17055.html) evaluation kit, which includes the [Maxim DS91230+](http://www.maximintegrated.com/en/products/usb-interfaces/91230.html) USB interface, MAX17055 IC evaluation board, and RJ-11 connection cable. The MAX17055 IC is ideal for pack-side battery fuel gauges in smartphones, wearables and smartwatches, [tablets](#), [fitness](#) monitors, wireless speakers, and other handheld devices.

To learn more, visit <http://www.mouser.com/new/maxim-integrated/maxim-max17055-gauge/>.

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 subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser 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 4 million products from over 600 manufacturers. Mouser offers 22 support locations around the world to provide best-in-class customer service and ships globally to over 500,000 customers in 170 countries from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

About Maxim Integrated

Maxim is the leader in analog integration. From mobile to industrial solutions, Maxim is making analog smaller, smarter and more energy efficient.

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