

New Product Announcement

Maxim's Wearable MAXREFDES101 Health Sensor Platform 2.0, Now at Mouser, Enables Advanced Health Monitoring

Wrist-Worn, Sensor-Packed Platform Measures ECG, Heart Rate, and Temperature

November 12, 2018 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [MAXREFDES101](#) Health Sensor Platform 2.0 from [Maxim Integrated](http://www.maximintegrated.com). The MAXREFDES101 incorporates a comprehensive range of Maxim products to provide a rapid prototyping, evaluation, and development platform for [medical](#) applications, providing accurate monitoring of body temperature, heart rate, and electrocardiogram (ECG).

The [Maxim MAXREFDES101](#) Health Sensor Platform 2.0, available from Mouser Electronics, is comprised of a watch enclosure that houses a display, battery, micro board, and sensor board. The micro board integrates a Maxim [MAX32630](#) Arm Cortex-M4F microcontroller, [MAX20303](#) power-management IC, dual-mode *Bluetooth*[®] technology, and a six-axis accelerometer and gyroscope. The platform's sensor board includes a [MAX86141](#) optical sensor, [MAX30001](#) integrated biopotential and bioimpedance analog front-end (AFE), [MAX30205](#) temperature [sensor](#), and [MAX32664](#) biometric sensor hub. The MAX32664 biometric sensor hub features embedded firmware and algorithms to simplify the development process, enabling seamless communication with the optical sensors.

Engineers can easily store data on the [open-source](#) platform or stream it via Bluetooth to an Android app or PC, conducting their own analyses and evaluating on-board algorithms, all while maintaining data privacy. The modular health sensor platform provides a future-proof solution for developing wearable health devices, enabling the simple integration of new sensors.

Providing immediate basic health sensor functionality, the MAXREFDES101 Health Sensor Platform 2.0 saves months of development for applications including sports watches, ECG monitors, and healthcare trackers. The real-time data collected by MAXREFDES101 wearable devices can be accessed from anywhere, allowing health care professionals to evaluate patients and provide proactive care.

To learn more, visit www.mouser.com/maxim-maxrefdes101-eval-platform.

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 750 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.

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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