

## New Product Announcement

### Now at Mouser: Renesas' All-in-One OB1203 Biosensor Module for Mobile and Wearable Devices

**October 7, 2020** – [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 new [OB1203](#) sensor module from [Renesas Electronics](#). Combining a biosensor, ambient light sensor, proximity sensor and color sensor in an all-in-one solution, the OB1203 sensor module offers a highly integrated solution for mobile and wearable devices. The OB1203 module is suitable for applications including headphones, gesture detection, occupancy [sensors](#), and [fitness](#) and wellness trackers.

The [Renesas OB1203](#) sensor module, available from Mouser Electronics, provides non-invasive measurement of blood oxygen concentration, heart rate, and pulse oximetry. The module features an anti-allergenic glass covers, allowing it to be used in health applications requiring direct skin contact. Beyond wearable devices, the OB1203 sensor module is capable of determining the proximity of nearby objects by integrating light sources and drivers into a single optically optimized package. The device's biosensor offers oxygen saturation ( $SpO_2$ ) measurement behind visibly dark IR transmissive ink, providing a useful solution for aesthetic industrial designs. The OB1203 sensor module is housed in a minuscule, optically enhanced 4.2 mm × 2 mm × 1.2 mm package.

The OB1203 module is supported by the [OB1203SD](#) evaluation kits, available in either a USB or *Bluetooth*® communication-enabled version. The USB version includes a USB communication board, USB stick with onboard graphical user interface (GUI), and a USB cable. The Bluetooth-enabled evaluation kit integrates a Bluetooth chip and removable battery.

To learn more, visit <https://www.mouser.com/new/idt/renesas-ob1203-sensor-modules/>.

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**

Mouser Electronics, a Berkshire Hathaway company, is an authorized semiconductor and electronic component distributor focused on New Product Introductions from its leading manufacturer partners. Serving the global electronic design engineer and buyer community, the global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 1,100 manufacturer brands. Mouser offers 27 support locations worldwide to provide best-in-class customer service in local language, currency and time zone. The distributor ships to over 630,000 customers in 223 countries/territories from its 1 million-square-foot, state-of-the-art distribution facilities in the Dallas, Texas, metro area. For more information, visit [www.mouser.com](http://www.mouser.com).

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