

New Product Announcement

Qorvo's Highly Integrated DWM3000 RF Module, Now Available from Mouser, Supports Automation and Asset Tracking

April 21, 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 new [DWM3000](#) RF module from [Qorvo](#)®. The highly integrated device integrates a DW3110 ultra-wideband (UWB) transceiver IC plus power management, ceramic UWB chip antenna, and crystal to simplify incorporation into designs such as asset tracking, logistics, navigation, factory automation.

The [Qorvo DWM3000](#) RF module, available from Mouser Electronics, is IEEE 802.15.4a and IEEE 802.15.4z BPRF mode compliant and allows location of objects to a precision of 10 cm. The device supports data rates of 850 kbps and 6.8 Mbps, and provides worldwide UWB support with UWB channel 5 (6.5 GHz) and channel 9 (8 GHz). The module also supports time-of-flight (ToF) and time-difference-of-arrival (TDoA) location schemes, enabling high performance in navigation and tracking applications. The compact RF module is housed in a 24-pin, 23 mm × 13 mm × 2.9 mm package and is pin and size compatible with Qorvo's [DWM1000](#) for UWB channel 5 operation.

The DWM3000 module can be easily integrated with a variety of microcontrollers, offering useful design flexibility. Hardware and software support material is available from Qorvo, simplifying design and development. Optimized for [low power](#) consumption and exceptional battery life, the DWM3000 [RF](#) module is ideal for [healthcare](#), agriculture, and safety and [security](#).

Mouser stocks a broad selection of Qorvo products. To learn more, visit <https://www.mouser.com/manufacturer/qorvo/>. For more information on Qorvo UWB technology products, visit <https://www.mouser.com/new/qorvo/qorvo-uwb-technology/>.

To learn more about the DWM3000 module, visit <https://www.mouser.com/new/qorvo/qorvo-dwm3000-rf-module/>.

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 <https://www.mouser.com/>.

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