

New Product Announcement

Murata's nRF52-Based WSM-BL241 Bluetooth 5 Module Now Shipping from Mouser Electronics

December 18, 2017 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [WSM-BL241 Bluetooth®](#) low energy module from [Murata](#). Based on a [Nordic nRF52832](#) system-on-chip (SoC), the WSM-BL241 offers ultra-low-power Bluetooth 5 functionality in a small package, ideal for [Internet of Things](#) (IoT), asset-tracking, beacon, and medical applications.

The [Murata WSM-BL241](#) module, available from Mouser Electronics, leverages the powerful Nordic nRF52832 SoC to provide high-performance Bluetooth low energy connectivity between smartphones, tablets, and other devices. The [low-power](#) nRF52832 SoC combines a built-in Arm® Cortex®-M4 core, 512 Kbytes of flash, and 64 Kbytes of RAM with a 2.4GHz multiprotocol radio. The WSM-BL241 module includes a 32 MHz crystal, on-board antenna, and two pins for an [NFC](#) antenna and external omnidirectional antenna—all in a form factor of just 7.4 × 7.0 × 1.0 mm.

The WSM-BL241 module is supported by the [MBN52832 development kit](#), also available from Mouser. The MBN52832 development kit facilitates application development using the Nordic nRF52 software development kit (SDK). The kit consists of two separable modules: an interface module with J-Link USB-SWD and USB-UART interfaces, and a breakaway module with the onboard WSM-BL241 module with NFC antenna to support evaluation of Bluetooth- and NFC-based networking products.

To learn more, visit www.mouser.com/murata-wsm-bl241-ble-module.

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 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 550,000 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 Murata

Murata is a worldwide leader in the design and manufacture of ceramic passive electronic components, wireless connectivity modules, and power conversion technologies. Since its establishment in Kyoto in 1944, Murata has contributed to the advancement of society and the evolution of the electronics industry. The company's innovations can be found in a wide range of applications: mobile phones, home appliances, automotive electronics, energy management systems, healthcare devices, and more. Today, Murata is a global enterprise with over 100 offices worldwide. Aspiring to the slogan, "Innovator in Electronics®," approximately 48,000 Murata employees strive every day to develop promising new technologies, "world's first" innovations, and products shaping the future of electronics, all toward enabling customers to realize their vision.

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