



New Product Announcement

Laird's BL651 Series Bluetooth 5 Modules Now Shipping from Mouser Electronics

October 31, 2018 – [Mouser Electronics](#), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [BL651 Series](#) modules from [Laird](#). The fully certified, cost-effective modules allow engineers to implement single-mode *Bluetooth® 5* technology in simple Bluetooth low energy designs. Available with either an internal trace antenna or external IPEX MHF4 connector, the modules are drop-in compatible with Laird's [BL652 Series](#) modules and ideal for applications such as beacons, [medical](#) peripherals, fitness [sensors](#), smart home, and other [Internet of Things](#) (IoT) devices.

[Laird's BL651](#) modules, available from Mouser Electronics, are based on a [Nordic nRF52810](#) system-on-chip (SoC), which features a powerful Arm® Cortex®-M4 core and a multiprotocol radio that supports Bluetooth 5, ANT, and proprietary 2.4 GHz networking. The Nordic SoC provides high throughput of up to 2 Mbits per second (Mbps) and increased broadcast capacity with 8x advertising extensions. The BL651 modules offer programmable transmit power from +4 dBm to -20 dBm, with a transmit whisper mode of -40 dBm. With the internal DC-DC converter enabled, the modules consume just 4.6 mA in transmit (at 0 dBm) or receive mode.

The BL651 module can be programmed using either Nordic's nRF5 software development kit (SDK) and SoftDevice stack or the Zephyr Project RTOS to deliver BLE applications. The Nordic SDK offers a library of source code and device profiles for study and emulation. The modules are FCC, CE, IC, and Japan certified with Bluetooth SIG documentation. They are housed in a small package with simple soldering castellation for easy prototyping and mass production manufacturing.

To learn more, visit www.mouser.com/laird-bl651-modules.

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 Laird

Laird is a global leader in solving electromagnetic interference challenges and providing state-of-the-art wireless communication and smart system solutions. The company's products are engineered with unparalleled innovation and precision and are supplied to major companies around the world, equipping them with the technology needed to improve their business and contribute to the progress of the modern world. Laird meets the needs of a variety of industries and applications, delivering transformational solutions for a constantly changing digital society.

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