

## New Product Announcement

# Laird's BL654 Series Module, Now at Mouser, Delivers NFC, BLE, and Thread Communication for IoT Devices

**July 17, 2018** – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [BL654](#) Series module from [Laird](#). With modular FCC, IC, CE, MIC, RCM and Bluetooth SIG approvals, the compact, [ultra-low-power](#) device allows developers to add [NFC](#), [Bluetooth®](#) low energy (BLE) 5.0, and 802.15.4 Thread support in a variety of small, power-conscious applications, including [medical](#) devices, fitness [sensors](#), smart home, and other [Internet of Things](#) (IoT) devices.

The [Laird BL654](#) Series module, available from Mouser Electronics, is based on the highly flexible multi-protocol [Nordic nRF52840](#) system-on-chip (SoC). The nRF52840 SoC employs a 32-bit Arm® Cortex®-M4F processor plus support for the Bluetooth 5 specification to provide a single-chip solution that boasts low power consumption and improved wireless range through +8 dBm of transmit power. Available with either an internal trace antenna or external IPEX MHF4 connector, the BL654 module integrates BLE mesh capabilities in a high-transmit-power platform, enabling the development of new applications for low-power, long-range [mesh sensor networks](#).

The BL654 module can be programmed using either Laird's smartBASIC language or Nordic's nRF5 software development kit (SDK) for Thread. The smartBASIC language, ideal for memory-constrained applications, cuts time to market by enabling fast and efficient BLE development. The Nordic SDK offers a library of source code and device profiles for study and emulation.

The BL654 module is supported by the [BL654 development kits](#), also available with either an internal trace antenna or external IPEX MHF4 connector. Enabling rapid wireless connectivity prototyping, the kit offers multiple power supply options, including USB, external DC supply, and batteries.

To learn more, visit [www.mouser.com/laird-bl654](http://www.mouser.com/laird-bl654).

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 700 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](http://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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