

New Product Announcement

Laird Connectivity BL654PA Modules for Bluetooth 5 and Thread Implementation Now at Mouser Electronics

October 7, 2019 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [BL654PA](#) (Power Amplified) module from [Laird Connectivity](http://www.lairdconnectivity.com). The FCC, IC, RCM, KC, and *Bluetooth*® SIG-certified module allows engineers to implement single-mode Bluetooth 5 and Thread (802.15.4) technology into simple Bluetooth Low Energy designs.

The [Laird Connectivity BL654PA](#) module, available from Mouser Electronics, is based on the highly flexible multi-protocol [Nordic nRF52840](#) system-on-chip (SoC), which features a powerful Arm® Cortex®-M4F core and a multiprotocol radio that supports Bluetooth 5, ANT/ANT+, and proprietary 2.4 GHz networking. The BL654PA module offers extended wireless range with transmit power +18 dBm, configurable down to -26 dBm.

The BL654PA module provides design flexibility with several programming options, including Laird Connectivity's *smart*BASIC language. The *smart*BASIC language, ideal for memory-constrained applications, cuts time to market by enabling fast and efficient Bluetooth Low Energy development. It also acts as a bridge between software and hardware, allowing an application to work on any *smart*BASIC radio. Available with either an internal trace antenna or external IPEX MHF4 connector, the module is ideal for applications such as beacons, [medical](#) peripherals, [industrial](#) monitors, smart home, and other [Internet of Things](#) (IoT) devices.

The BL654PA module is supported by the [BL654PA 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-pa-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 800 manufacturers. Mouser offers 27 support locations around the world to provide best-in-class customer service and ships globally to over 630,000 customers in 223 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 Connectivity

Laird Connectivity simplifies the enablement of wireless technologies with market-leading wireless modules and antennas, integrated sensor and gateway platforms, and customer-specific wireless solutions. Laird Connectivity's best-in-class support and comprehensive engineering services help reduce risk and improve time-to-market. When you need unmatched wireless performance to connect electronics with security and confidence, Laird Connectivity delivers - no matter what.

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For further information, contact:
Kevin Hess, Mouser Electronics
Senior Vice President of Marketing
(817) 804-3833
Kevin.Hess@mouser.com

For press inquiries, contact:
Kelly DeGarmo, Mouser Electronics
Corporate Communications & Media Relations Manager
(817) 804-7764
Kelly.DeGarmo@mouser.com