New Product Announcement

Laird Connectivity's BL653µ Modules, Now at Mouser, Offer Longer-Range Bluetooth LE in Space-Constrained Applications

February 24, 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 BL653µ modules from Laird Connectivity. The minuscule, highly integrated modules are ideal for harsh environments and space-constrained applications, delivering long-range *Bluetooth*® Low Energy with NFC. The devices' multi-wireless capabilities make them a suitable choice for a range of Internet of Things (IoT) applications, including secure medical peripherals, professional lighting, and industrial IoT sensors.

The Laird Connectivity BL653µ modules, available from Mouser Electronics, are powered by the Nordic Semiconductor nRF52833 multi-protocol system-on-chip (SoC), with an Arm® Cortex®-M4F CPU plus 512 Kbytes of flash and 128 Kbytes of RAM for demanding product designs. The BL653µ modules offer exceptional development flexibility with support for the Nordic SDK or Zephyr RTOS, AT command set, and Laird Connectivity's *smart*BASIC environment.

The smallest device is only 6.3 × 5.6mm, offering reliable low-power performance and support for a wide range of configurable interfaces, including UART, I²C, GPIO, and USB. Featuring Bluetooth 5.1 mesh capabilities as well as direction finding with angle of arrival and angle of departure, the modules provide outstanding performance in challenging RF wireless and industrial IoT applications.

To learn more, visit https://www.mouser.com/new/laird-connectivity/laird-bl653-modules/.

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/.

About Laird Connectivity

Laird Connectivity simplifies wireless connectivity with market-leading modules, antennas, IoT devices, and customer-specific wireless solutions. Our products are trusted by companies around the world for their performance and reliability. With best-in-class support and comprehensive design services, we reduce your risk and improve your time-to-market. When you need unmatched wireless performance to connect your applications with security and confidence, Laird Connectivity Delivers — No Matter What.

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– 30 –

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