



New Product Announcement

Mouser Electronics Now Shipping NXP's Kinetis KW35/KW36 Bluetooth 5 MCUs for Automotive and Industrial Applications

December 18, 2018 – [Mouser Electronics](#), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking [Kinetis KW35 and KW36](#) wireless microcontrollers from [NXP Semiconductors](#). The industry's first automotive-qualified *Bluetooth*® 5-ready wireless microcontroller family with integrated CAN FD connectivity, the KW35 and KW36 microcontrollers are designed to simplify integration of Bluetooth connectivity in automotive and industrial embedded applications.

[NXP's Kinetis KW35 and KW36](#) microcontrollers, available from Mouser Electronics, are highly integrated [ultra-low-power](#) devices that enable Bluetooth Low Energy (LE) version 5 and Generic FSK (at 250 kbps, 500 kbps, and 1000 kbps). The microcontrollers integrate an Arm® Cortex®-M0+ CPU with up to 512 Kbytes of flash and 64 Kbytes of SRAM and incorporate peripherals optimized to meet the requirements of applications, such as car access, [sensors](#), or data usage collection. The KW35 and KW36 support up to eight simultaneous Bluetooth LE connections as either a master, a slave, or any combination of the two. All microcontrollers in the Kinetis KW35 and KW36 series contain an integrated DC-DC buck converter that supports an operating voltage range from 2.1 V to 3.6 V, and also significantly reduces the peak current in receive and transmit modes.

The Kinetis KW35A and KW36A microcontrollers meet AEC Q100-Grade 2 qualification for [automotive](#) applications, and the KW35Z and KW36Z feature an [industrial](#) qualification. Both automotive and industrial versions of the devices are available with support for CAN and LIN interfaces to enable easy integration into automotive in-vehicle communication networks. Package options include 7 mm x 7 mm 48-pin LQFN or 6 mm x 6 mm 40-pin HVQFN with wettable flanks package technology that enables optical inspection of the soldering.

To learn more, visit www.mouser.com/nxp-kinetis-kw36-kw35.

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.

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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
Manager, Corporate Communications and Media Relations
(817) 804-7764
Kelly.DeGarmo@mouser.com