

New Product Announcement

Mouser Electronics Now Stocking the AWR1843 TI mmWave Sensor for Automotive Radar Systems

November 12, 2019 – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [AWR1843](#) automotive radar sensor from [Texas Instruments](http://www.ti.com) (TI). Built with TI's low-power 45-nm RFCMOS process, the AEC-Q100 qualified AWR1843 ultra-wideband millimeter wave (mmWave) [sensor](#) enables exceptional levels of integration in an extremely small form factor in low-power, self-monitored, ultra-accurate radar systems in the automotive space.

The [TI AWR1843](#), available from Mouser Electronics, is an integrated single-chip frequency-modulated continuous-wave (FMCW) radar sensor capable of operation in the 76- to 81-GHz millimeter wave spectrum. TI's RFCMOS process enables a monolithic implementation of a system with three transmit (TX) and four receive (RX) channels plus built-in phase lock loop (PLL) and analog-to-digital converters (ADCs). The sensor integrates a digital signal processor (DSP) subsystem, based on TI's high-performance [C674x](#) DSP, for radar signal processing, as well as a built-in self-test (BIST) processor subsystem responsible for radio configuration, control, and calibration. An onboard user-programmable Arm® Cortex®-R4F processor enables object tracking and classification, AUTOSAR, and interface control.

Mouser also stocks the TI [AWR1843 BoosterPack](#), an easy-to-use evaluation board with direct connectivity to TI's LaunchPad development kits. The BoosterPack contains everything required to start developing software for the on-chip C67x DSP core and low-power Arm Cortex-R4F controller, including onboard emulation for programming and debugging as well as buttons and LEDs for quick integration of a simple user interface.

To learn more, visit www.mouser.com/ti-awr1843-automotive-radar-sensors.

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.

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