

## For Immediate Release

# New eBook from Mouser Electronics and Texas Instruments Surveys Next Generation of Robotics

**December 9, 2020** – [Mouser Electronics](#), Inc., the New Product Introduction (NPI) leader empowering innovation, announces a new eBook in collaboration with [Texas Instruments](#) (TI) examining best practices and strategies for developing the next generation of robot solutions. In [The Future of Robotics](#), subject matter experts from TI and Mouser offer a collection of articles exploring relevant topics such as autonomous [robotics](#), sensor fusion, and [communications](#) standards for [sensors](#) in robotics.

As robots are being employed in an ever-expanding range of industries and applications, engineers are tasked with making these solutions safer, smarter, more autonomous, and more efficient. These goals are achieved through improvements in [motor control](#), sensing solutions, communication, and edge processing. The new eBook presents several analyses of the tools and technologies necessary for next-generation robot solutions, including mmWave sensors, [power supply](#) devices, and processors and drivers.

In addition to fascinating articles, *The Future of Robotics* includes links to several TI products for the development of modern robotics, including sensors, processors, and evaluation tools. The [IWR6843ISK-ODS](#) mmWave sensor evaluation module permits direct data connectivity to the mmWave sensor's carrier card platform, allowing access to point-cloud data through a USB interface. The evaluation module also supports raw analog-to-digital converter (ADC) data through a 60-pin high-speed interface.

The [LMG341xR150](#) GaN FET improves power density and efficiency in power electronics systems. Featuring ultra-low input and output capacitance, the LMG341xR150 allows designers to use dense and efficient topologies such as totem-pole PFC. The [PGA460 and PGA460-Q1](#) ultrasonic processors/drivers present a highly integrated solution for ultrasonic sensing, supporting presence and proximity detection, object distance and position sensing, occupancy and motion sensing, drone landing assist, and obstacle detection applications.

Mouser is an authorized global distributor of Texas Instruments solutions. With over 50,000 TI products, including 4,500 development kits, Mouser offers the broadest portfolio of the newest Texas Instruments semiconductor solutions, adding new products every day.

To learn more about Texas Instruments, visit <https://www.mouser.com/manufacturer/texas-instruments/>. To read the new e-book, go to <https://www.mouser.com/news/ti-robotics/mobile/index.html>.

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](http://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/>.

### **Trademarks**

Mouser and Mouser Electronics are registered trademarks of Mouser Electronics, Inc. All other products, logos, and company names mentioned herein may be trademarks of their respective owners.

– 30 –

Further information, contact:  
Kevin Hess, Mouser Electronics  
Senior Vice President of Marketing  
+1 (817) 804-3833  
[Kevin.Hess@mouser.com](mailto:Kevin.Hess@mouser.com)

For press inquiries, contact:  
Kelly DeGarmo, Mouser Electronics  
Manager, Corporate Communications and Media Relations  
+1 (817) 804-7764  
[Kelly.DeGarmo@mouser.com](mailto:Kelly.DeGarmo@mouser.com)