

## New Product Announcement

# TE Connectivity's Revolutionary New ARISO Contactless Connectivity System Now Available from Mouser

**January 30, 2015** – [Mouser Electronics](http://www.mouser.com), Inc. is now stocking the new, revolutionary [ARISO Contactless Connectivity](#) system from [TE Connectivity](#) (TE), a world leader in connectivity, that allows power and data to be transferred between two couplers without any physical contact, resulting in a virtually maintenance free system. TE's unique design offers significant advantages over conventional connector systems by providing rotational freedom, vibration immunity, and unlimited mating cycles while providing connectivity opportunities for systems with rotating parts, connections through walls, on-the-fly connections, high vibration applications, and applications where mating cycles are crucial.

[TE's new ARISO Contactless Connectivity](#) system, available from Mouser Electronics, is a hybrid interconnect system that allows for both power and data to be sent over short distances without any mechanical contact between the two couplers. This permits easy connectivity through materials such as walls, fluids, dust, and harsh atmospheric conditions. Power transfer of up to 12W along with eight PNP channels can be sent between the couplers, which can move at an angle and be subjected to intense vibration without losing signals.

Each coupler contains two transmission mechanisms. On the outside of each coupler is a tightly wrapped circular coil, providing the inductive transfer of power across short distances to a second coupler. On the inside of the circular coil is a loop antenna which allows the transfer of data between the two couplers. Behind each coupler are electronics that manage the transfers and provide an interface to the external devices that are attached to each coupler. The system allows for the transmission of power and data over a distance of 7mm and allows for a misalignment of up to 5mm between the two couplers.

Additional advantages include the significant reduction of issues relating to mating cycles, sealing issues, dust and dirt contamination and vibration. The design supports applications with rotating parts or where connections through walls are required, especially in manufacturing environments such as milling machines, printing drums, robotics, and machines with moving parts, e.g. where sensors need to be connected "on the fly".

To learn more, visit: <http://www.mouser.com/te-connectivity-ariso/> .

With its broad product line and unsurpassed customer service, Mouser caters to design engineers and buyers by delivering What's Next in advanced technologies. Mouser offers customers 20 global support locations and stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is updated daily and searches more than 10 million products to locate over 4 million orderable part numbers available for easy online purchase. Mouser.com also houses an industry-first interactive catalog, data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

### **About Mouser Electronics**

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 500 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 400,000 customers in 170 countries from its 492,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit <http://www.mouser.com>.

### **About TE Connectivity**

TE Connectivity is a \$13 billion world leader in connectivity. The company designs and manufactures products at the heart of electronic connections for the world's leading industries including automotive, energy and industrial, broadband communications, consumer devices, healthcare, and aerospace and defense. TE Connectivity's long-standing commitment to innovation and engineering excellence helps its customers solve the need for more energy efficiency, always-on communications and ever-increasing productivity. With nearly 90,000 employees in over 50 countries, TE Connectivity makes connections the world relies on to work flawlessly every day.

### **Trademarks**

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