

New Product Announcement

TE Connectivity's Grove Boards Now Available to Ship from Mouser

Quickly Prototype Temperature, RH, and Pressure Designs

September 6, 2017 – [Mouser Electronics](http://www.mouser.com), Inc., the New Product Introduction (NPI) leader that empowers innovation, is now stocking [Measurement Specialties Grove system development boards](#) from [TE Connectivity](#) (TE), a global leader in connectivity and sensors. These small, plug-and-play development boards allow designers to incorporate TE's environmental [sensors](#) with the [Seeed Grove](#) prototyping system, which features standardized four-pin connectors with an I²C communication interface. The easy-to-use boards are ideal for creating designs for wearable and miniature devices, [health](#) monitoring, fitness, air quality, aerospace, and battery-powered applications.

[TE's Measurement Specialties Grove system development boards](#) are available from Mouser Electronics in five options for sensing a combination of pressure, humidity, and temperature. The HTU21D board includes a fully calibrated humidity and temperature sensor that measures 0 to 100 percent relative humidity (RH) and minus 40 to 125 degrees Celsius (C). The sensor also features selectable resolution, low battery detection, checksum capability, and a low-power standby mode for power-sensitive applications. The MS5637 board is a self-contained pressure and temperature sensor specified for 300 to 1,200 mbar and minus 40 to 85 degrees C. The MS8607 board senses RH (0 to 100 percent) and pressure (300 to 1,200 mbar) and adds temperature sensing in a range of minus 40 to 125 degrees C. The board also features selectable resolution for pressure, humidity, and temperature sensing.

For dedicated temperature sensing, TE offers two Grove system boards. The TSYS01 board provides accuracy down to 0.1 degree in the minus 5 to 50 degrees C range, and 0.5 degrees in the full minus 40 to 125 degrees C range. The TSYS02D board provides accuracy of 0.2 degrees C in the minus 5 to 50 degrees C range, 0.5 degrees in the minus 20 to 100 degrees C range, and 1.0 degree in the full minus 40 to 125 degrees C range. Both the TSYS01 and TSYS02D offer a [low-power](#) standby mode for power-sensitive applications.

To learn more, visit <https://www.mouser.com/new/measurement-specialties/measurement-specialties-grove-system-dev-boards/>.

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 4 million products from over 600 manufacturers. Mouser offers 22 support locations around the world to provide best-in-class customer service and ships globally to over 550,000 customers in 170 countries from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit <https://www.mouser.com/>.

About TE Connectivity

TE Connectivity is a \$12 billion global technology leader. Their commitment to innovation enables advancements in transportation, industrial applications, medical technology, energy, data communications, and the home. TE's unmatched breadth of connectivity and sensor solutions, proven in the harshest of environments, helps build a safer, greener, smarter and more connected world. With 75,000 people – including more than 7,000 engineers – working alongside customers in nearly 150 countries, they help ensure that EVERY CONNECTION COUNTS.

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– 30 –

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