

Let's Create a More Connected World Together

**Internet of Things (IoT).
Industrial Internet.
Internet of Everything.**

Every day, the world is becoming more connected. Everything from the phones in our pockets and the homes we live in to the ways we travel are linked to massive networks of data.

**LEARN MORE INSIDE ABOUT THE
FUTURE OF CONNECTIVITY →**

Connecting the Internet of Things

Internet of Things is the network of physical objects or things embedded with electronics, software and sensors. Connected devices create greater value and service by capturing and exchanging data with its user or other connected devices to ultimately improve processes and become more efficient.

Information Capture

Smarter devices aren't possible without data. TE's sensor solutions monitor and control even the most sophisticated applications, and help deliver information with speed and efficiency.

Power Delivery

TE's connector and component designs marry form and function and are rigorously tested to enable power to flow safely and efficiently wherever and whenever it's needed.

Adaptive Network

TE's connector and sensor combinations add intelligence to high-performance networks to enable optimal operations and maintenance. These components are instrumental in helping to keep The Internet of Things online.

Beyond the Hype

Experts predict significant growth of things connected via networks, and enormous new value generated by virtue of those connections within the next ten years.

25

Billion connected objects by 2020*

90%

of cars connected by 2020**

*"Predicts 2015: The Internet of Things," Gartner, January 2015

**"Connected Car Industry Report 2014," Telefónica, July 16, 2014)

Data is Everywhere

How to capture the data around you

Sensors provide the ability to capture data at end points. They are the intelligent bridge between physical and digital.

Sensors work in three ways:

Open Loop Sensing

Sends information from the connected device to you, like starting your car outside from a key fob in your house on a cold morning.

Closed Loop Sensing

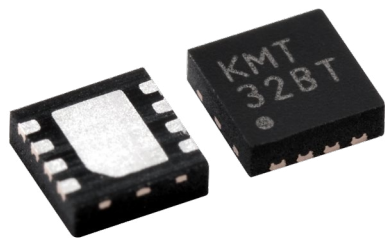
Used in monitoring and controlling applications, like starting your car from the fob and getting a message back from your car saying the engine has started.

Autonomous Loops

Adds intelligence at the point with sensors to create autonomous systems, like starting the car using your fob from the house and your car, sensing the external temperature, turning your seat warmer from level three to five because it is 20 degrees colder than yesterday

Magnetic Angle Position Sensor

Sense rotational angle of a dial or knob.



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RTD Temperature Sensor

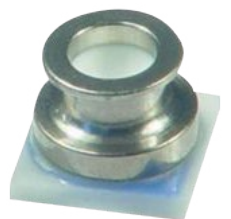
Provides temperature feedback for engine transmission oil.



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Barometric Pressure Sensor

Provides elevation data to control smart drone and allow it to hover and avoid obstacles.



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Connected Homes

Enabling New Conveniences

IoT enables the development of products used to remotely control features of your home. These connected devices collect information about your habits and schedule, allowing them to make decisions that suit your lifestyle and save you money.

Home automation transforms and revitalizes your home environment. Whether it saves you money on energy bills, improves the efficiency of mundane tasks, implements home security, or improves the wellness of a room, there is a home automation product available to help.

Automate your Home

Control Devices Remotely | Let Devices Decide

Reduce Costs & Save Money



Experience the 360° Virtual Connected Home

Find out how TE is making today's connected home a reality.

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[Read the White Paper ▶](#)

Poke-In Slim Wire Connector

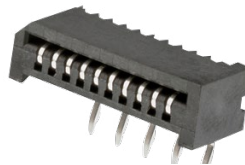
Connectors that enable users to make wire-to-board and board-to-board connections quickly and easily.



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Flexible Printed Circuit (FPC) Connectors

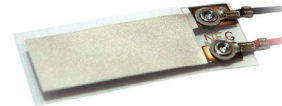
These wire-to-board connectors meet the challenges of miniaturization with smaller centerline pitch spacing and lower profile heights.



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Piezoelectric Polymer Vibration Sensor

The LDT1-028K is a multi-purpose, piezoelectric sensor for detecting physical phenomena such as vibration or impact.



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Humidity Sensor Assemblies

HM1500LF is a dedicated humidity transducer designed for applications where a reliable and accurate measurement is needed.



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Enabling the Smart Factory

Industry 4.0 – A Sense for Innovation

Factories are becoming increasingly “smart”— more automated and efficient. TE is on the front lines of this revolution, providing solutions unlike anything on the market. Ulrich Wallenhorst, CTO TE Industrial, explains how TE’s solutions can help you prepare for Industry 4.0.



[Watch the Video ▶](#)

M8/M12 Connector System

TE’s M8/M12 Connector System for machine automation and control applications ensures safe and reliable communication in industrial environments.



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Industrial Mini I/O

TE’s Industrial Mini I/O Field Installable connector provides innovative and time-saving wire-termination as well as serving as a space saving and reliable I/O solution for industrial environments.



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SP1 Series String Pots

This compact string pot with “voltage divider” output, provides ease-of-use and flexibility for measurement ranges up to 50 inches.



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FX19 Series Compression Load Cell

The FX1901 units are intended for use in laboratory, hospital or consumer product applications, establishing a breakthrough in price/performance value for compression load cells.



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The Connected Aircraft

Today's aircraft are more connected than ever before to make flight more efficient and safe. TE has developed technologies that provide reliable performance in harsh environments to make modern air travel faster, more efficient and enjoyable.



KILOVAC RELAYS

Small, lightweight relays built to exacting criteria and designed & manufactured to rigorous in-house requirements to meet various industry standards.



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CII RELAYS

High-performance signal level and mid-range relays that perform well in a wide range of extreme environments. Shop.



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VITA Qualified Connectors

Ruggedized, light weight, high speed board-to-board interconnects designed to resist high levels of vibration & shock.



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INSTALITE Molded Boots

Semi-rigid, abrasion-resistant boots that are up to 30% lighter than the TE's -25 boots with the same balance of high-temperature fluid resistance and long-term heat resistance.



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INSTALITE Sleeving & Tubing

Lightweight INSTALITE sleeving and tubing designed & manufactured to reduce installation time and provide significant weight savings.



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Crimping Just Got Easier

Maximize Uptime, Extend Tooling Life, and Minimize Manufacturing Waste



Commercial Hand Tools

Perfect for prototype and repair work. Affordable and flexible designs with interchangeable Standard Die Envelope (SDE) die sets.

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CERTI-CRIMP Hand Tools

Reliable, repeatable and certified crimping tools to handle a variety of industry mandated specifications. Their interchangeable head designs allow users to easily upgrade their CERTI-CRIMP tools to battery or electric powered alternatives.

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Lithium-Ion Battery Powered Hand Tools

Our comprehensive line of durable lithium-ion powered hand tools can increase production levels all while reducing hand fatigue. Interchangeable die sets and head designs allow users to upgrade from manual versions to higher performing battery tools.

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Create a Successful Crimp

Learn the 4 key factors you need to know in order to create a successful crimp in this quick video.

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