

Automation Sensors



TE Components are Used:

Market Trends

- Sensors becoming more integrated into Industrial Ethernet networks to support advanced Sensor features
- Advanced Sensors include edge computing and cloud connectivity
- Increasing amount of data communication driven by machine vision
- Miniaturization of Sensors makes it easier for machine builders to integrate the devices

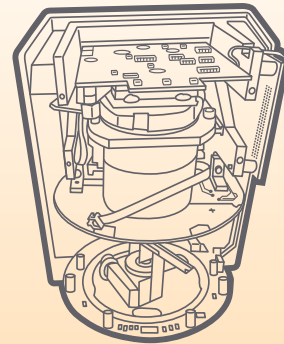
Industry Drivers

- Technological advances in digitalization and machine learning/artificial intelligence have increased the Sensor count per machine
- Optimization of production capacity and minimum downtime increases the need for predictive maintenance and therefore, the use of Sensors
- New development in technologies like 3D vision, RADAR, LIDAR, etc. are extending the use case for Sensors

TE Supports with:

- Highly engineered connectivity solutions that support virtually **uninterrupted operations** for power, signal, and data
- Sensor application knowhow with **engineering support** in design and customization
- Integrated solutions that help **simplify complex manufacturing processes**

PCB Interconnect



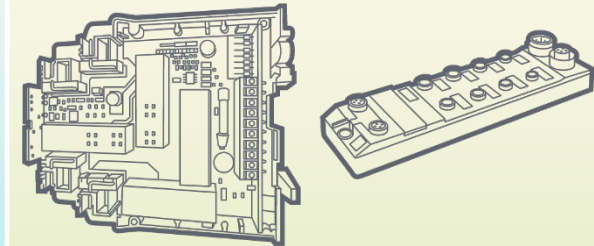
[Micro-Match](#) | [MiniBridge](#)
[AMPMODU](#) | [SMC](#) | [MicroCon](#)
[MicroStac](#)
[Standard Labels](#)
[SBP Self Laminating Vinyl Labels](#)
[Wire Identification: Printable Heat Shrink Tubing](#)
[Wire Label Printers](#)
[Holsworthy Precision Resistors](#)
[IM](#)
[PE](#) | [RE](#) | [RT](#)
[Dual in-line package \(DIP\) Switch](#)
[Slide Switches](#)
[Sealed and Unsealed Rotary Switches](#)
[Tactile Switches with Dome Switches](#)

Communication & I/O Connectivity



[M8/M12 Connector System](#)
[RITS](#)
[AMPLIMITE](#)
[D-coded](#) | [X-coded](#)
[Mini IO](#)
[RJ45 Connectors](#)
[Header](#) | [Cordset](#)
[M8 and M12 Cable Assemblies](#)
[M8 and M12 Ethernet Connectors](#)
[Industrial M12 X-code field installable](#)
[Rectangular Backshells & Clamps](#)
[PCB Terminal Blocks](#)
[INTERCONTEC Connectors](#)
[Connector Housings](#)

Computing & Switching Devices



[IM](#)
[PE](#) | [RE](#) | [RT](#)
[Force Guided Relays](#)
[M8/M12 Connector System](#)
[PCB Terminal Blocks](#)
[RITS](#)
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[Industrial Mini I/O Connector](#)
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