

INTRODUCING M8/M12 CONNECTOR SYSTEM EXTENSION

- Achieve speeds up to 10 Gbps with a high-speed, rugged, industrial connection
- Expand design flexibility with right angle and straight board connectors



TE Connectivity's (TE) newly expanded M8/M12 connector system, designed for machine industrial automation and control applications, provides a solution that safely and reliably helps ensure communication in industrial environments. This connector system is also used in applications outside of its traditional industries, where a compact, reliable connection system with IP65/67 environmental protection is required. TE's M8/M12 connector solution includes an extensive connector range of PCB headers, cable assemblies and I/O boxes, providing users with an interface that supports higher bandwidth, meeting requirements up to 10 Gbps. The broad portfolio now includes M8/M12 right angle and straight board connectors, enabling greater flexibility for specific applications.

BENEFITS

- Achieve speeds up to 10 Gbps with a high-speed, rugged, industrial connection
- Expand design flexibility with the new right angle and straight board connector
- Provide a comprehensive industrial communications offering with customized solutions and cable assemblies
- Save time and cost with a complete standard portfolio of connectors, cable assemblies and passive I/O modules
- Help ensure performance in harsh environments with sealing rated at IP65/67 and an operating temperature from -25 °C to +85 °C

APPLICATIONS

- Industrial automation
- Automobile manufacturing
- Machine tools
- Semiconductor manufacturing
- Factory automation machines
- Manufacturing
- Vision systems
- PLC's/Ethernet Modules
- I/O Boxes
- Sensors

MATERIALS

- Brass substrate
- Alternative gold or silver finish

ELECTRICAL

- Rated voltage:
 - 4-pins: 250V
 - 5-pins: 60V
 - 8-pins: 30V
- Current-carrying capacity:
 - A-coding 4 to 5 ways = 4A, 8 ways = 2A
 - B-coding 5 ways = 4A
 - D-coding 4 ways = 4A

MECHANICAL

- IP rating: IP65/67
- Operating temperature: from -25 °C to +85 °C
- Retention force: 4 to 5 ways max.15N, 8 ways: max. 30N

STANDARDS & SPECIFICATIONS

- UL Recognition
- cURus Certified

LEARN MORE

- [M8/M12 Connector System Video](#)
- [M8/M12 Connector System Landing Page](#)
- [M8/M12 Connector Catalog](#)
- [M8/M12 Connector System Flyer](#)
- [M8/M12 Presentation](#)
- [Industrial Communications Quick Reference Guide](#)
- [Industrial Communications Solution Guide](#)
- [Industrial Communications Landing Page](#)