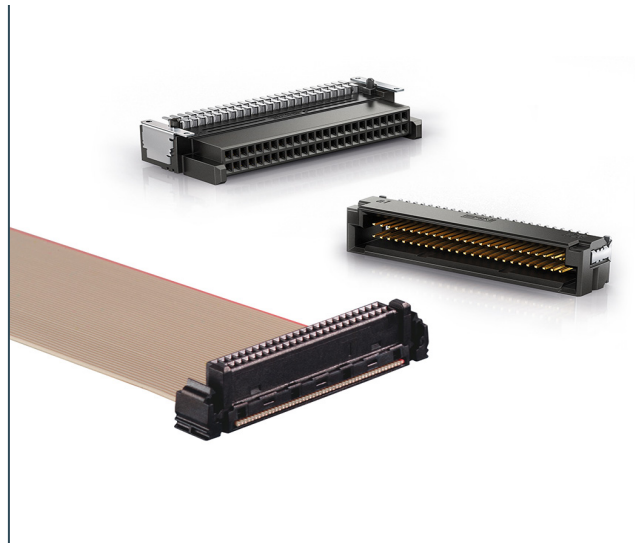


INTRODUCING ERNI MicroCon Connector

- Excellent fit for small but demanding applications
- High robustness and reliability helps minimize time required for mating and inspection in production and helps avoid signal interruptions / minimizes failures in the application



TE Connectivity's (TE) dual-row MicroCon connector with 0.8 mm pitch is ideal for industrial applications such as drives, robots, automation controls, automated guided vehicle, or other warehouse equipment. The connector combines high pin-count of up to 100 pins with highly miniaturized design, especially the small length. The portfolio allows a high design freedom based on different available configurations.

BENEFITS

- Excellent fit for small but demanding applications
- High robustness and reliability helps minimize time required for mating and inspection in production and helps avoid signal interruptions / minimizes failures in the application
- High design flexibility due to breadth of portfolio of this space-saving connector
- Customized as well as configurable cables available

FEATURES

- Excellent electrical and mechanical performance combined with high density connector
- Board-to-board portfolio in different configurations (straight and angled), different heights and different pin counts available
- Board-to-wire portfolio available with AWG 34

APPLICATIONS

- Automation controls
- Automation sensors
- Robotics
- Warehouse automation

ELECTRICAL

- Current rating per contact: upto 2.3 A at 20 ° C
- Data rate: up to 3 Gbit/s

MECHANICAL

- Pitch: 0.8 mm
- No of pins: distance needed between 12 - 100 possible
- Surface Mount Technology (SMT) termination
- Operating temperature: -55 / 125 ° C
- Mechanical operation: >500 mating cycles

MATERIALS

- Housing material
 - Insulation body: Liquid Crystal Polymer (LCP) Polyamid (PA)
 - UL94 V-0 flammability resistance
- Contact material
 - Copper alloy base material
 - Gold plated mating area
 - Termination area: Sn

STANDARDS

- DIN EN 60068-1
- IEC 60721-3-1
- IEC 60664
- IEC 60112
- IEC 60512
- RoHS compliant

LEARN MORE

- [ERNI MicroCon connector landing page](#)
- [ERNI MicroCon connector flyer](#)
- [ERNI MicroCon connector partlist](#)
- [ERNI MicroCon connector images](#)
- [ERNI MicroCon connector video](#)