



Introducing Industrial Mini I/O connector, Field Installable version

TE's Industrial Mini I/O Field Installable connector provides innovative and time-saving wire-termination alongside serving as a space saving and reliable I/O solution for industrial environments. TE's Industrial Mini I/O connector is only one quarter the size of the conventional RJ45 plug and as a result, provides space saving and the flexibility to use limited space on the PCB more effectively. Designed with two points of contact, this connector is built for the stringent demands of an industrial and high vibration environment, enabling increased productivity through a reliable connection. With its innovative piercing termination, the Mini I/O Field Installable version decreases the time usually needed to terminate the wires through soldering and with an easy to use hand tool, the field assembly in virtually any environment is now possible.

BENEFITS

- Innovative and time-saving wire-termination
- Reliable connections in industrial and vibration-prone environments
- Space saving solution that allows for increased design flexibility
- Available in different versions for multiple applications
- Intermateable with receptacles in different configurations (TMT, SMT, right and straight angle)

KEY FEATURES

- Small, Compact Size (space savings)
- Time Saving Wire Termination
- Enables wire-to-wire connections
- Intermateable with receptacles of various configurations (SMT, Right Angle, Straight, TMT)
- Keying interface to prevent mis-mating

APPLICATIONS

- Industrial Communications
- Motion & Drives
- PLC's
- Robotics

MECHANICAL

- Operating temperature: -40 °C to +85 °C
- Cable diameter: 7.1 mm Max
- Wire size: 24 AWG Max
- Latch retention force: 98 N (10 kg)

ELECTRICAL

- 8 position
- 30 V rated
- Wire-to-board
- Current rating: 0.5 AMPS
- 0.635 mm pitch

MATERIALS

- Shell: Copper alloy
- Contact: Copper alloy
- Housing: Thermoplastic

STANDARDS AND SPECIFICATIONS

- Meets Cat5e requirements when used in an Ethernet application product specification: 108-78955
- Application specification: 114-5506

PRODUCT OFFERING

Part Number	Description
2201855-1	MINI I/O PLUG KIT TYPE I L
1-2201855-1	MINI I/O PLUG KIT TYPE II L
2201855-2	MINI I/O PLUG KIT TYPE i M
1-2201855-2	MINI I/O PLUG KIT TYPE II M
2201855-3	MINI I/O PLUG KIT TYPE I LM MIX
2201864-1	MINI I/O REC KIT TYPE I L
1-2201864-1	MINI I/O REC KIT TYPE II L
2201864-2	MINI I/O REC KIT TYPE i M
1-2201864-2	MINI I/O REC KIT TYPE II M
2201864-3	MINI I/O REC KIT TYPE I LM MIX
2229737-1	HAND TOOL
2260170-1	CABLE FITTING

PRODUCT DIMENSIONS

- Plug Kit: 11.62 x 34 x 8.7 mm
- Receptacle Kit: 11.7 x 35 x 13.5 mm

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te.com/products/mini-io

