

# INDUSTRIAL MINI I/O CONNECTOR



## HIGHLY RELIABLE, FIELD INSTALLABLE AND COMPACT I/O SOLUTION

Industrial Mini I/O connector is a compact wire-to-board interface which is field installable in virtually any environment.

- Field installable plug kit
- One quarter the size of a conventional RJ45
- Highly reliable connection with 2 points of contact per line
- Two unique interfaces to prevent mismatching
- Unique locking feature with high cable retention force within the metal housing, resulting in minimal space required



### TARGET MARKETS



### FEATURES

- Compact size compared to conventional RJ45
- 2 points of contact per line
- Unique locking feature with high cable retention force
- Plug kit field installable
- Two unique interfaces
- Up to 1500 mating cycles
- Versatile solution supporting a wide variety of applications
- High temperature thermoplastic housing

### BENEFITS

- Saves up to 75% space
- Reduce contact failure
- Enable increased productivity and continuity in high vibration environment
- Protects plug from accidental pulling and unplugging
- Prevents expensive downtime in an industrial environment
- Time saving termination
- Easy to use hand tool which allows field assembly in virtually any environment
- Prevents mismatching
- Enhanced durability
- Ideal for PLCs, Robotics, Industrial communications, Motion and Drives
- Ensures high temperature resistance

## TECHNICAL INFORMATION

### MATERIAL

- Housing: High Temperature Thermoplastic
- Shell: Copper Alloy
- Terminal: Copper Alloy

### MECHANICAL PERFORMANCE

- Durability: up to 1500 mating cycles
- Extraction Force: 98N min.
- Cable Diameter: 7.1mm max.
- Wire Size: 24AW

### PACKAGING

- Trays

### ELECTRICAL PERFORMANCE

- Rated Voltage: 30V
- Current Rating: 0.5A

### ENVIRONMENTAL

- Operating Temperature: -40°C to +85°C

### SPECIFICATIONS

- Standard: IEC/PAS 61076-3-122 & ANSI/TIA-568.C.2

### TARGET MARKETS/APPLICATIONS



Industrial Communications  
Motion and Drivers  
PowerLine Communication (PLC) Connections  
Robotics

## PART NUMBERS

Description	Packaging	Part Numbers
Industrial Mini I/O 1.27mm pitch header assembly, Type I	Tray	10137237-001LF
Industrial Mini I/O 1.27mm pitch header assembly, Type II	Tray	10137237-002LF
Industrial Mini I/O 1.27mm pitch, SMT, vertical, Type I	Tray without cap	10137238-0010LF
Industrial Mini I/O 1.27mm pitch, SMT, vertical, Type I	Tray with cap	10137238-0011LF
Industrial Mini I/O 1.27mm pitch, SMT, vertical, Type II	Tray without cap	10137238-0020LF
Industrial Mini I/O 1.27mm pitch, SMT, vertical, Type II	Tray with cap	10137238-0021LF
Industrial Mini I/O plug kit, Type I, insulation diameter 1.05-1.15mm	Tray/Box	10137239-0010LF
Industrial Mini I/O plug kit, Type I, insulation diameter 0.93-1.05mm	Tray/Box	10137239-0011LF
Industrial Mini I/O plug kit, Type I, insulation diameter 1.10-1.20mm	Tray/Box	10137239-0012LF
Industrial Mini I/O plug kit, Type II, insulation diameter 0.93-1.05mm, IPC: 1.05-1.15mm	Tray/Box	10137239-0013LF
Industrial Mini I/O plug kit, Type II, insulation diameter 1.05-1.15mm	Tray/Box	10137239-0020LF
Industrial Mini I/O plug kit, Type II, insulation diameter 0.93-1.05mm	Tray/Box	10137239-0021LF