BOLTRACK™ CONNECTOR



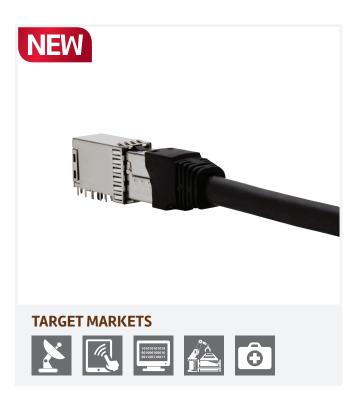
HIGH PERFORMANCE I/O FOR PoE & INDUSTRIAL

Boltrack[™] connector is a robust and reliable interconnect solution. It features high power and signal performance, small form factor, field termination, EMI shielding, lightning protection and resistivity to over voltages. Boltrack[™] connector comes in 4 pair right angle board and plug mating combination.

- High power delivery capability
- Superior signal integrity and resistivity to surge voltage
- LED, press-fit and pin-in-paste options for board connector
- Small form factor with 4 additional pins option
- Plug with dual beam contacts and 4 point IDC

FEATURES

- Meets Cat 5e, Cat 6 for signal integrity and ANSI requirement for clearance and creepage distance
- Small form factor interface and with 4 additional contacts loading option
- Dual beam plug connector contact
- Current rating of 1.5A/contact
- Board header with press-fit and pin-in-paste options
- Wrap around shields, LED option, high temperature resin
- Four point contacts for plug IDC termination
- Low cost and lightweight hand tool for IDC process



BENEFITS

- Superior signal integrity and surge resistivity
- Double the density of RJ45
- Reliability and no arcing damage on contact resting position
- Supports PoE+ and PoE++ standards
- Suitable for wide range of assembly process
- Ideal for wide range of applications and environments
- Ensures positive termination to cable
- Easy to handle field terminations

TECHNICAL INFORMATION

MATERIAL

- Housing:
- Board Connector: LCP
- Cable Connector: PBT for front, PC for rear, Sylcon for grommet
- Contact & Shield: Copper Alloy

ELECTRICAL PERFORMANCE

- Current Rating: 1.5A per pin at 57VDC
- Overvoltage Resistivity: up to 2500V
- Insertion Loss: -0.0082 at 100MHz (Typical)
- Return Loss: -37db at 100MHz (Typical)
- NEXT Crosstalk: -60db at 100Mhz (Typical)
- Dielectric Withstanding Voltage: 2000V

MECHANICAL PERFORMANCE

- Durability: 500 mating cycles
- Mating Connector Insertion Force: 6N max.
- Mating Connector Pull Retention Force: 50N min.

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C
- Storage Temperature: -65°C to +125°C

APPROVALS & CERTIFICATION

UL pending

SPECIFICATIONS

- Telecordia CO, GR-1217-CORE
- IEC 61076-4-104
- ANSI
- UL1977

PART NUMBERS

| Description | Part Numbers |
|--|--------------------|
| 4 pair right angle board connector with shielding, without LED | 10137391-100LF |
| 4 pair cable connector field terminable kit with shielding | 10138200-101LF |
| 4 pair right angle board connector with shielding and LED | 10137391-101LF |
| Double ended 4 pair shielded cable assembly, 200cm | 10141442-M0200YYLF |

Disclaimer

NOBOLTRACK1016EA4

For more information, please contact: Communications@fci.com or visit us at www.fci.com

Please note that the above information is subject to change without notice.

PACKAGING

- Tube/Tray packaging for board connector
- Tray packaging for cable connector kit
- Plastic bags for patch cords

TOOLING INFORMATION (OPTIONAL)

Hand Tool

TARGET MARKETS/APPLICATIONS



Telecom Base Station/Ethernet Radio



Video Surveillance IP Cameras Heated Cameras Video Conferencing POS Terminals Video IP Phones Security Cameras



Router Thin Client Workstations BlueTooth Access Points Network Industrial



Industrial Building Infrastructure Machine to Machine Interface Access Control Home Automation Digital Signage Lighting Door Interlock Systems



Imaging Monitoring Analyzers



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