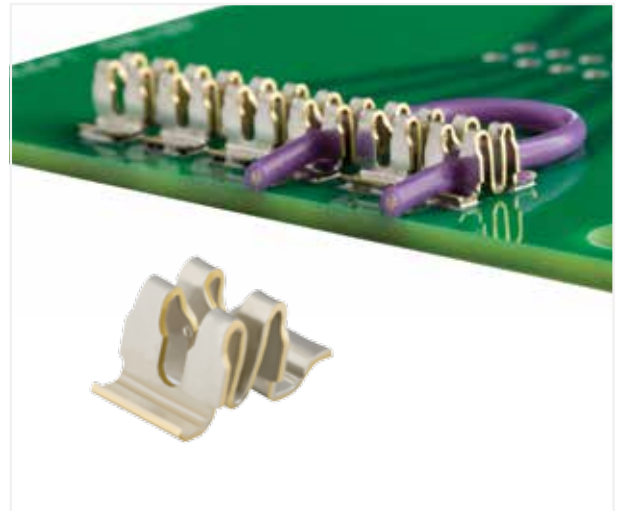# GRIPLET®

Miniature IDC Connector for Wire–To–Board Terminations

OVERVIEW

FCI's new Griplet® connector offers a robust solution for miniature IDC Wire–To–Board connections. The low profile and compact design makes Griplet® an ideal connector where space is tight and ease of installation is important. Each connector has a height of 3.7mm and a footprint of 4.0mm x 6.1mm.

It is specially designed for a stackable pitch up to 12 positions, with common housings available to secure and protect terminated components. Griplet® offers a flexible solution with one part number accommodating multiple wire gauges. Redundant electrical connection points plus strain relief ensure stable operation through extreme temperature, shock, and vibration stresses.

FEATURES

- Low profile / compact

- Four points of wire contact plus strain relief

- Accommodates multiple wire sizes

- Break–off carrier strip

- Post applied insulative housings

- Multiple Terminal Delivery Options:
  - Singulated in bags
  - On Reel/ Continuous strip
  - Stitched on pitch within disposable Pick & Place carrier

BENEFITS

- Connecting discrete wire components directly to the PCB when space is a constraint
- Bringing power and signals onto a PCB
- Daisy chaining PCB to create continuous string of boards
- Individual contacts can be located anywhere on the PCB

- Highly reliable connection
- Enable harsh and industrial market applications with direct connection between individual wires and PCB

- Reduced total applied cost compared to solder or crimp processes

- 90° bend allows easy break away and removal

- Custom–made housing for automatic Pick & Place

- Manual application or Vibratory Bowl application
- Automated application
- Customizable pitch

> GRIPLET®

TECHNICAL INFORMATION

MATERIALS

- Copper Alloy
- Nickel / Tin Plated

ELECTRICAL PERFORMANCES

- 110–220 VAC Applications

ENVIRONMENTAL

- Operating Temperature Range: – 40 °C to 125 °C

MECHANICAL PERFORMANCE

- Reparability: 3

PACKAGING

- Loose piece
- Terminals on reel
- Pick & Place carrier

TARGET MARKETS & APPLICATIONS

- Industrial & Instrumentation
  - Smart Meters
  - Thermostats
  - Automation Controls
  - Sensors
  - LED Lighting
  - White Goods
  - Automotive

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