# **GRIPLET**<sup>®</sup> Miniature IDC Connector for Wire-To-Board Terminations

## **OVERVIEW**

FCI's new Griplet<sup>®</sup> connector offers a robust solution for miniature IDC Wire-To-Board connections. The low profile and compact design makes Griplet<sup>®</sup> 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	BENEFITS
• Low profile / compact	<ul> <li>Connecting discrete wire components directly to the PCB when space is a constraint</li> </ul>
	<ul> <li>Bringing power and signals onto a PCB</li> </ul>
	Daisy chaining PCB to create continuous string of boards
	<ul> <li>Individual contacts can be located anywhere on the PCB</li> </ul>
Four points of wire contact plus strain relief	Highly reliable connection
	<ul> <li>Enable harsh and industrial market applications with direct connection between individual wires and PCB</li> </ul>
Accommodates multiple wire sizes	<ul> <li>Reduced total applied cost compared to solder or crimp processes</li> </ul>
Break-off carrier strip	• 90° bend allows easy break away and removal
Post applied insulative housings	Custom-made housing for automatic Pick & Place
Multiple Terminal Delivery Options:	
Singulated in bags	<ul> <li>Manual application or Vibratory Bowl application</li> </ul>
On Reel/ Continuous strip	Automated application
• Stitched on nitch within disposable Pick & Place	Customizable nitch

- Stitched on pitch within disposable Pick & Place carrier
- Customizable pitch

## **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