

Griplet®

**Amphenol Information Communications
and Commercial Products**

≡FCi Basics

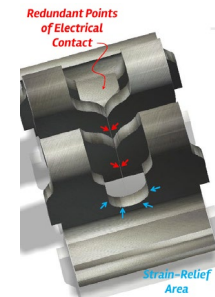
Amphenol ICC

- Value Proposition
- Product Specifications
- Features & Benefits
- Part Numbers
- Markets & Application
- Marketing Collaterals

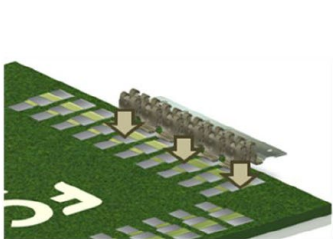
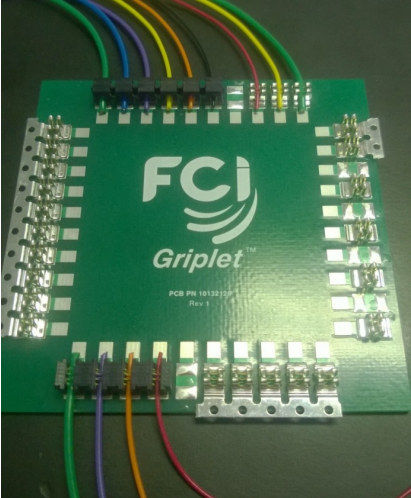
Griplet® is a miniature **IDC** (Insulation-Displacement Contact) **Wire-To-Board** solution with **compact and low profile design**.

The **unique Griplet® design** allow the **allocation** of the contacts **anywhere on the PCB** and **accommodates multiple wire sizes 20 to 30 AWG** stranded and solid wire.

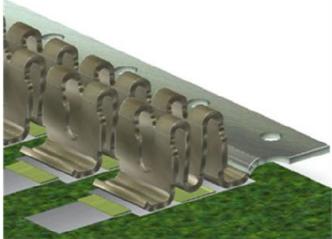
Griplet® solution has **four points of wire contact** to provide **excellent High Vibration** and **Highly reliable connection** to enable **harsh and industrial applications** with **direct connection** between individual **wires** and **PCB** performance,



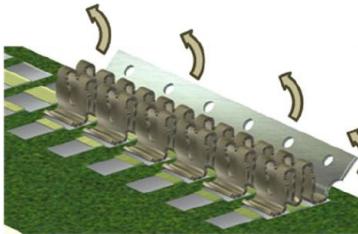
Product Overview



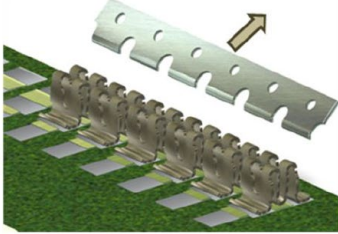
Screen solder paste and place Griplets



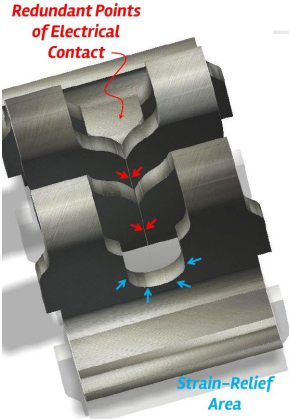
Reflow Process



Bend carrier-strip UPWARD until it breaks free

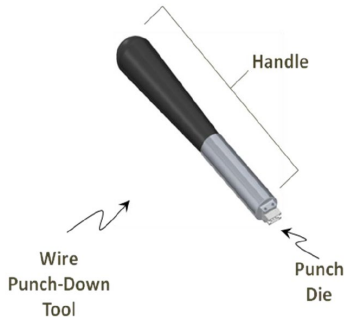
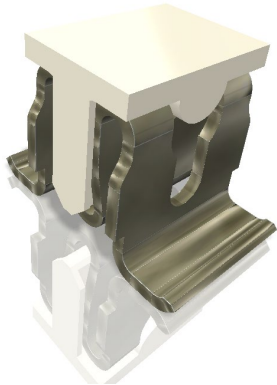
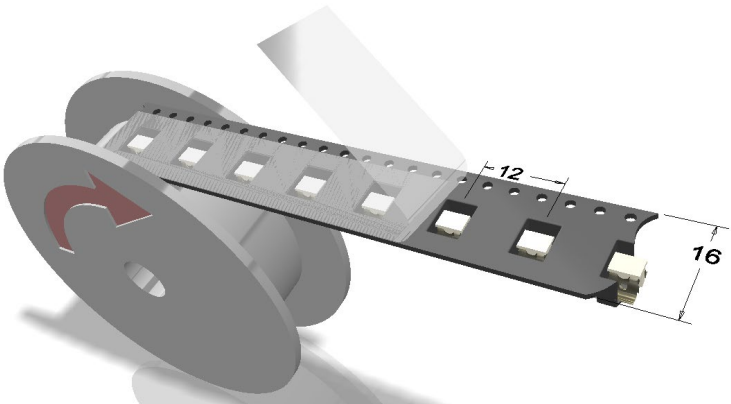


Discard carrier-strip



Redundant Points of Electrical Contact

Strain-Relief Area



Product Facts

- Repairability: a wire may be removed and replaced by another wire of same size and type a maximum of TWO times.
- Can accommodate multiple wire sizes 20-30 AWG stranded and solid wire
- Four points of wire contact plus strain relief provide excellent High Vibration performance and Highly reliable connection for harsh and industrial applications with direct connection between individual wires and PCB

Performance Characteristics

- Operating Voltage Rating: 120 V maximum, AC or DC
- 20-30AWG Operating Current Rating: 1.5 to 8.5 A maximum (wire-dependent), 30 degrees maximum t-rise above ambient, no air-flow.
- Operating Temperature Range: -40C to +105C

Specifications

- Product Spec. : GS-12-1234

Materials

- Contact : Copper alloy
- Plating: Pre-Plated Lead-Free Tin over Nickel

Features	Benefits
Connect an insulated wire directly to a printed circuit board	Cost effective
Repairability	A wire may be removed and replaced by another wire of same size and type a maximum of TWO times.
Multiple wire sizes 20-30 AWG accommodations	Comprehensive solution for all needs
Four points of wire contact	High Vibration Performance and Highly reliable connection for harsh and industrial applications with direct connection between individual wires and PCB
Pick up Cap	Automated Application
Break-Off Carrier Strip 90° bend (AWG 20-30)	Fast Application
Low profile and compact design	Designed for tight space and easy to install.
Individual contacts can be located anywhere on the PCB	Flexible Design
Insertion tool for insulated wire is available	Fast Application

Description	Part Numbers
Range	30 to 20AWG
Terminals on carrier strip on continuous reel	10127850-001LF
Terminal with pick up cap in Tape & Reel	10127850-101TRLF
Insertion Tool	10131832

- Industrial & Instrumentation

- Smart Meters

- Thermostats

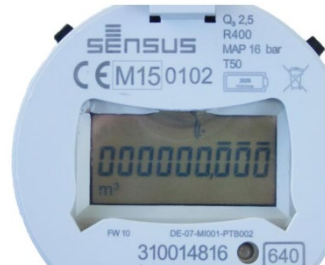
- Automation Controls

- Sensors

- LED Lighting

- White Goods

- Automotive



Available on Website

- Technical Data Sheet
- Drawings
- Product presentation
- Product specification
- Video
- Demo boards and boxes

FCi Basics

Amphenol ICC

Griplet® Miniature IDC Connector

RELIABLE CONNECTION AND EASE OF INSTALLATION FOR WIRE-TO-BOARD TERMINATIONS

Amphenol ICC's Griplet® Miniature IDC Connector offers a robust solution for miniature IDC Wire-to-Board connections. Each connector comes in 5mm pitch, has a 3.80mm profile and 4mm width. Its low profile and compact design makes Griplet® an ideal connector where space is tight and ease of installation is important.

- Four points of wire contact plus strain relief ensures highly reliable connection
- Wire applied and insulated directly to a PCB to maximise cost efficiency
- Multiple wire sizes from 30 to 20 AWG



TARGET MARKETS



FEATURES

- Accommodates multiple wire sizes from 30 to 20AWG
- Four points of wire contact plus strain relief
- Accommodates multiple wire size
- 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

- Comprehensive solution for all application needs
- Ensures highly reliable connection
- Enables 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

Amphenol Information Communications and Commercial Products

Amphenol ICC

THANK YOU