FEATURES AND SPECIFICATIONS

2.54mm (.100") Pitch C-Grid III™

93032
Compliant Pin Header For Press-Fit Application



C-Grid III family offers a CPI solution for applications that require a press-fit termination

The C-Grid III is a highly versatile 2.54mm (.100") pitch interconnect family. This header and receptacle system is made up of a wide range of modular components, allowing great flexibility in electronic circuitry design.

The new 93032 series Dual-Row Compliant-Pin Header offers the familiar benefits of the C-Grid III family, plus the added advantage of press-fit termination. This eliminates the need for soldering, while providing a reliable connection to the PCB. It also reduces the usual quality issues related to wave soldering. Repairs can be carried out easily, saving the user valuable time and cost. In addition, the ribs on the header shroud provide reinforcement to the connector during press-fit termination.

This header supplements the extensive line of C-Grid III header products, and can be used in a wide variety of wire-to-board applications.

The 93032 headers mate with the 90142 and 90143 crimp housings, which are used with the 90119 crimp terminals.

For more information about the C-Grid III connector family, please visit:
http://www.molex.com/link/cgrid3.html

Features	Benefits
• Size 6 to 50 circuits	• Allows design flexibility
• Press-fit pin	• Secures well and maintains retention to PCB
• Designed for PCB thicknesses of 2.34mm (.092") or greater	• Positive lock for crimp housing

SPECIIFICATIONS

Reference Information
Packaging: Tray
UL File No.: Pending
CSA File No.: Pending
Mates With: 90142 (C-Grid III™ Crimp Housing),
90143 (C-Grid III™ Crimp Housing)
Designed In: Millimeters

Electrical
Voltage: 350V DC/AC
Current: 3.0A
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1000V
Insulation Resistance: 5000 Megohms min.

Mechanical
Mating Force: Cx1.75+6 = Max allowed Force (N)
(C is the circuit size, 6 is the insertion force of an empty housing)

Unmating Force: Cx1.25+6 = Max allowed Force (N)
(C is the circuit size, 6 is the insertion force of an empty housing)

Durability: 200 mating cycles with 90142 series plug

Physical
Housing: 15% Glass Filled P.B.T, UL 94V-0, Black
Contact: 0.64mm square Phosphor Bronze
Plating:
Mating Side — 0.76µm (30µ") Select Gold
Press Fit Side – Tin
Other plating options available upon request.
PCB Thickness: 2.34mm (.092") or thicker
Operating Temperature: -40°C to +105°C

Markets and Applications

- Laboratory Devices
- Medical Equipment
- Measurement Equipment
- Personal Computers
- Servers
- Office Equipment
- Industrial Equipment
- Vending Machines
- Brown Goods
- Telecommunication Equipment
  - Hubs
  - Servers

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ORDERING INFORMATION

Description	Order No.	Circuit Size	Plant No. for Samples
2.54mm (.100") Pitch C-Grid III Press Fit Compliant Pin Header	93032-0010	10	1399 (APS) 5102 (Europe) 3109 (Americas)
	93032-0014	14	
	93032-0024	24	

For other circuit sizes, please contact your local Molex sales representatives

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