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**Part Number:** 90147-1108  
**Status:** Active  
**Overview:** C-Grid® Products  
**Description:** 2.54mm Pitch C-Grid® PC Board Connector, Single Row, Vertical, 8 Circuits

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980  
UL E29179

General

Product Family PCB Receptacles  
Series 90147  
Application Board-to-Board, Signal  
Overview C-Grid® Products  
Product Name C-Grid®  
UPC 800753676367

Physical

Circuits (Loaded) 8  
Circuits (maximum) 8  
Color - Resin Black  
Flammability 94V-0  
Glow-Wire Compliant No  
Guide to Mating Part No  
Keying to Mating Part None  
Lock to Mating Part No  
Material - Metal Phosphor Bronze  
Material - Plating Mating Tin  
Material - Plating Termination Tin  
Material - Resin Polyester  
Net Weight 0.693/g  
Number of Rows 1  
Orientation Vertical  
PC Tail Length 2.90mm  
PCB Locator No  
PCB Retention Yes  
PCB Thickness - Recommended 1.60mm  
Packaging Type Tube  
Pitch - Mating Interface 2.54mm  
Pitch - Termination Interface 2.54mm  
Plating min - Mating 1.016µm  
Plating min - Termination 1.016µm  
Polarized to PCB No  
Temperature Range - Operating -55°C to +125°C  
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 3A  
Grounding to PCB No  
Voltage - Maximum 350V

Solder Process Data

Lead-free Process Capability Wave Capable (TH only)

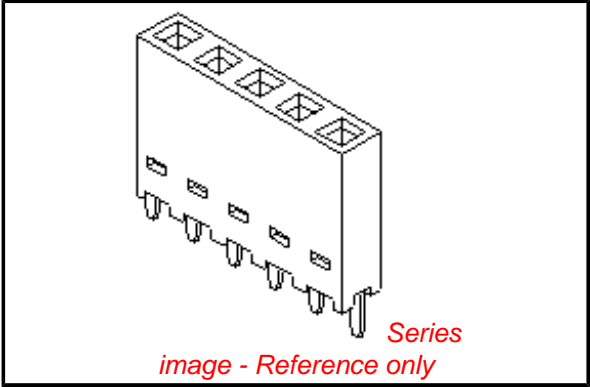


image - Reference only

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
90147Series

**Mates With**  
90120 , 90121

**Use With**  
90120 , 90121

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing

SDA-90147

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