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**Part Number:** [90147-1214](#)  
**Status:** **Active**  
**Overview:** C-Grid® Products  
**Description:** C-Grid® PC Board Connector, Single Row, Vertical, 14 Circuits, Gold (Au) Plating

**Documents:**

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

**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 800753674295

**Physical**

Circuits (Loaded) 14  
 Circuits (maximum) 14  
 Color - Resin Black  
 Durability (mating cycles max) 100  
 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 Gold  
 Material - Plating Termination Tin  
 Material - Resin Polyester  
 Net Weight 1.190/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 0.381µm  
 Plating min - Termination 3.048µm  
 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**

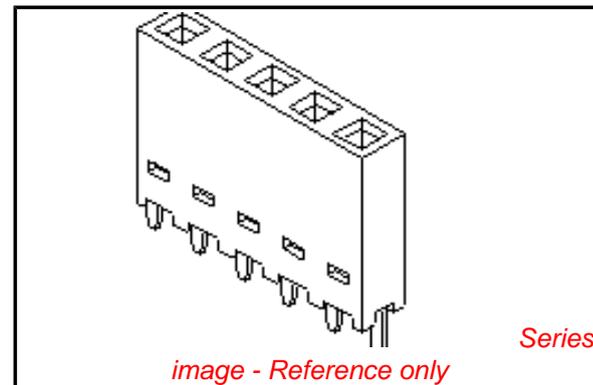


image - Reference only

**EU RoHS**

**ELV and RoHS  
 Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**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](#)

Lead-free Process Capability

Wave Capable (TH only)

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing

SDA-90147

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