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**Part Number:** [0901481312](#)  
**Status:** **Active**  
**Overview:** [cgrid\\_sl\\_products](#)  
**Description:** 2.54mm (.100") Pitch C-Grid® PC Board Connector, Single Row, Right Angle, 0.8µm (30µ") Gold (Au) Selective, 12 Circuits

**Documents:**

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

**Agency Certification**

CSA LR19980  
UL E29179

**General**

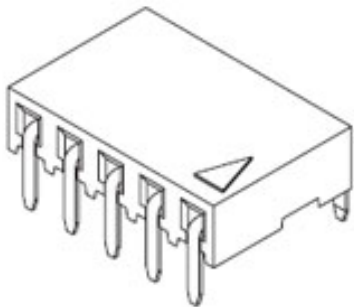
Product Family PCB Receptacles  
Series [90148](#)  
Application Board-to-Board, Signal  
Overview [cgrid\\_sl\\_products](#)  
Product Name C-Grid®

**Physical**

Circuits (Loaded) 12  
Circuits (maximum) 12  
Color - Resin Black  
Durability (mating cycles max) 500  
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  
Number of Rows 1  
Orientation Right Angle  
PC Tail Length 2.90mm (.114")  
PCB Locator No  
PCB Retention None  
PCB Thickness - Recommended 1.60mm (.063")  
Packaging Type Tube  
Pitch - Mating Interface 2.54mm (.100")  
Pitch - Termination Interface 2.54mm (.100")  
Plating min - Mating 0.762µm (30µ")  
Plating min - Termination 3.048µm (120µ")  
Polarized to Mating Part Yes  
Polarized to PCB No  
Stackable 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 AC/DC



Series

image - Reference only

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**China RoHS**



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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**

[90148Series](#)

**Mates With**

C-Grid III™ Header [90120](#) , [90121](#)

**Solder Process Data**

Lead-free Process Capability

Wave Capable (TH only)

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing

SDA-90148

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