

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [90148-1220](#)  
**Status:** **Active**  
**Overview:** C-Grid® Products  
**Description:** 2.54mm Pitch C-Grid® PC Board Connector, Single Row, Right Angle, 0.38µm Gold (Au) Selective, 20 Circuits

**Documents:**

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

**Agency Certification**

CSA LR19980  
 UL E29179

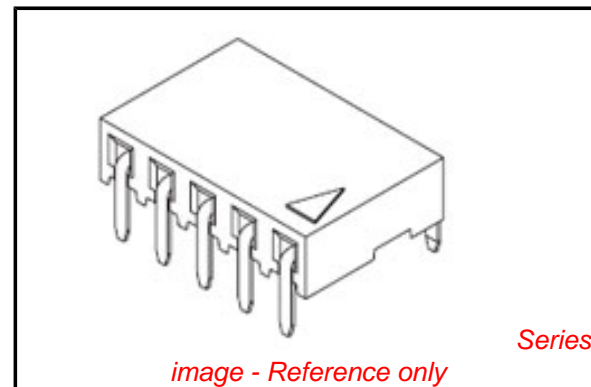
**General**

Product Family PCB Receptacles  
 Series [90148](#)  
 Application Board-to-Board, Signal  
 Overview [C-Grid® Products](#)  
 Product Name C-Grid®  
 UPC 800753532830

**Physical**

Circuits (Loaded) 20  
 Circuits (maximum) 20  
 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 2.185/g  
 Number of Rows 1  
 Orientation Right Angle  
 PC Tail Length 2.90mm  
 PCB Locator No  
 PCB Retention None  
 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 Mating Part Yes  
 Polarized to PCB No  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -55°C to +125°C  
 Termination Interface: Style Through Hole

**Electrical**



*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**

[90148Series](#)

**Mates With**

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

Current - Maximum per Contact  
Grounding to PCB  
Voltage - Maximum

3A  
No  
350V AC/DC

**Solder Process Data**

Lead-free Process Capability

Wave Capable (TH only)

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing

SDA-90148

This document was generated on 12/19/2014

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**