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**Part Number:** [0901481303](#)  
**Status:** **Active**  
**Overview:** C-Grid Connector Products  
**Description:** 2.54mm Pitch C-Grid PC Board Connector, Single Row, Right-Angle, 1.00µm Tin (Sn), 3 Circuits

**Documents:**

[3D Model](#) [Packaging Specification PK-90148-0001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-99020-0001-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

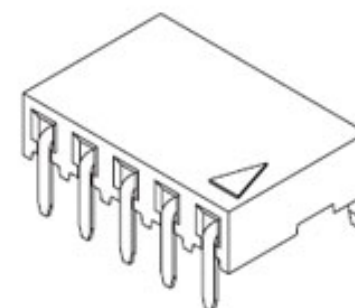
**General**

Product Family PCB Receptacles  
 Series [90148](#)  
 Application Board-to-Board, Signal  
 Overview [C-Grid Connector Products](#)  
 Product Name C-Grid III  
 UPC 800753531406

**Physical**

Circuits (Loaded) 3  
 Circuits (maximum) 3  
 Color - Resin Black  
 Durability (mating cycles max) 500  
 Flammability 94V-0  
 Glow-Wire Capable 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 0.317/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 0.762µm  
 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° to +125°C  
 Termination Interface: Style Through Hole

**Electrical**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**  
**REACH SVHC**

Not Contained Per -  
 ED/71/2019 (16 July  
 2019)

**Halogen-Free**  
**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[90148 Series](#)

**Mates With**

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

Current - Maximum per Contact	3.0A
Grounding to PCB	No
Voltage - Maximum	350V AC/DC

**Solder Process Data**

Lead-freeProcess Capability	WAVE
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**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-90148-0001-001
Product Specification	PS-99020-0001-001
Sales Drawing	SDA-90148-001

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