

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

**Part Number:** [0901471107](#)  
**Status:** **Active**  
**Overview:** C-Grid Connector Products  
**Description:** C-Grid PC Board Connector, Single Row, Vertical, 7 Circuits, Tin (Sn) Plating

**Documents:**

[3D Model](#) [Product Specification PS-99020-0001-001 \(PDF\)](#)  
[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 Connector Products](#)  
 Product Name C-Grid  
 UPC 800753676602

**Physical**

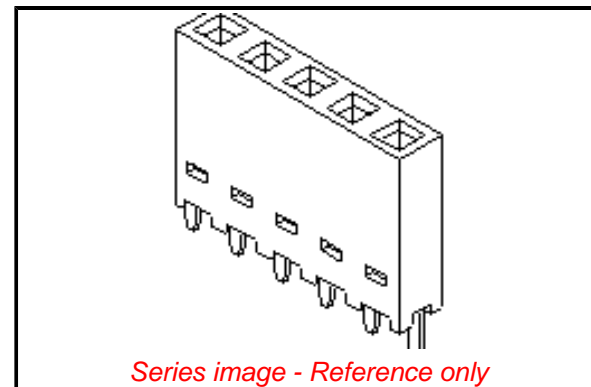
Circuits (Loaded) 7  
 Circuits (maximum) 7  
 Color - Resin Black  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part No  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin Polyester  
 Net Weight 0.607/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  
 Surface Mount Compatible (SMC) N/A  
 Temperature Range - Operating -55° to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Not Reviewed**

**REACH SVHC**

Not Contained Per -  
 ED/30/2017 (7 July  
 2017)

**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**

[90147 Series](#)

**Mates With**

[90120](#) , [90121](#)

**Use With**

[90120](#) , [90121](#)

Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	230

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-99020-0001-001
Sales Drawing	SDA-90147, SDA-90147-001

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