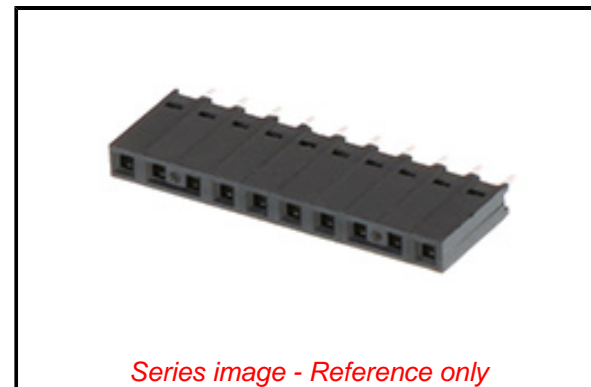


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0901471110](#)  
**Status:** **Active**  
**Overview:** C-Grid Connector Products  
**Description:** C-Grid III PC Board Connector, Single Row, Vertical, 10 Circuits, Tin (Sn) Plating

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification 901190001-AS-000 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-90147-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-90147-001-002 (PDF)</a>
<a href="#">Product Specification PS-99020-0001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification 713080001-AS-000 (PDF)</a>	



**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Receptacles
Series	<a href="#">90147</a>
Application	Board-to-Board, Signal
Overview	<a href="#">C-Grid Connector Products</a>
Product Name	C-Grid III
Taxonomy	PCB Headers and Receptacles
UPC	800753676190

**Physical**

Circuits (Loaded)	10
Circuits (maximum)	10
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	0.864/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
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**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**

C-Grid III Vertical Header [90120](#) . C-Grid III  
Right-Angle Header [90121](#)

**Use With**

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

Grounding to PCB  
Voltage - Maximum

No  
350V

**Solder Process Data**

Lead-free Process Capability

WAVE

**Material Info**

**Reference - Drawing Numbers**

Application Specification

713080001-AS-000, 901190001-AS-000

Packaging Specification

PK-90147-001-001, PK-90147-001-002

Product Specification

PS-99020-0001-001

Sales Drawing

SDA-90147-001

This document was generated on 08/31/2022

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