



**Part Number :** 901471102

**Series Number :** 90147

**Product Category :** PCB Headers and Receptacles

**Product Description :** C-Grid III PC Board Connector, Single Row, Vertical, 2 Circuits, Tin (Sn) Plating

**Status :** Active

Documents & Resources


Drawings  
Drawing 901471102\_sd.pdf

3D Models and Design Files  
3D Model 901471102\_stp.zip

Specifications  
Application Specification 713080001-AS-000.pdf  
Application Specification 901190001-AS-000.pdf  
Packaging Specification PK-90147-001-002.pdf  
Product Specification PS-99020-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	90147
Description	C-Grid III PC Board Connector, Single Row, Vertical, 2 Circuits, Tin (Sn) Plating
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Family	C-Grid Connector Products
Product Name	C-Grid III
UPC	800753676824

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

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

#### Physical

Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black
Durability (mating cycles max)	30
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	0.170/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tube
PC Tail Length	2.90mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	1.016µm
Plating min - Termination	1.016µm
Polarized to PCB	No
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Through Hole

## Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	230

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
C-Grid III Vertical Single Row Headers	<u>90120</u>

C-Grid III Right-Angle Single Row Headers	<u>90121</u>
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Use with Part(s)

Description	Part Number
C-Grid III Vertical Single Row Headers	<u>90120</u>
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