



**Part Number :** [901471104](#)  
**Product Description :** C-Grid III PC Board  
Connector, Single Row, Vertical, 4 Circuits, Tin  
(Sn) Plating  
**Series Number :** 90147  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles



## Documents & Resources


**Drawings**  
[901471104\\_sd.pdf](#)

**3D Models and Design Files**  
[901471104\\_stp.zip](#)

**Specifications**  
[713080001-AS-000.pdf](#)  
[901190001-AS-000.pdf](#)  
[PK-90147-001-002.pdf](#)  
[PS-99020-0001-001.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)7663-DC (21 Jan 2025)
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

---

### Part Details

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	90147
Description	C-Grid III PC Board Connector, Single Row, Vertical, 4 Circuits, Tin (Sn) Plating
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	C-Grid III
UPC	800753538894

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

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

#### Physical

Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Flammability	94V-0
Glow-Wire Capable	No

Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	0.526/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

Lead-Free Process Capability	WAVE
------------------------------	------

---

## 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>

### Use 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>