



**Part Number :** 901471106

**Product Description :** C-Grid III PC Board Connector, Single Row, Vertical, 6 Circuits, Tin (Sn) Plating



**Series Number :** 90147

**Status :** Active

**Product Category :** PCB Headers and Receptacles

---

## Documents & Resources

### Drawings

[901471106\\_sd.pdf](#)

### 3D Models and Design Files

[901471106\\_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	per SJ/T 11365-2006
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

### Compliance Statements

- EU RoHS

- REACH SVHC
- Low-Halogen

#### Industry Documents

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

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

---

### **Part Details**

#### **General**

Status	Active
Category	PCB Headers and Receptacles
Series	90147
Description	C-Grid III PC Board Connector, Single Row, Vertical, 6 Circuits, Tin (Sn) Plating
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	C-Grid III
UPC	800753676510

#### **Agency**

CSA	LR19980
UL	E29179

#### **Electrical**

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

#### **Physical**

Circuits (Loaded)	6
-------------------	---

Circuits (maximum)	6
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	0.522/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tube
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.90mm
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	90120

Headers	
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>

---

This document was generated on Jul 09, 2025