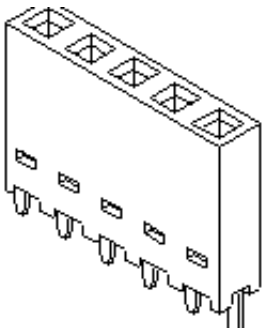




Part Number : [901471212](#)
Product Description : C-Grid III PC Board
Connector, Single Row, Vertical, 12 Circuits,
Gold (Au) Plating
Series Number : 90147
Status : Active
Product Category : PCB Headers and
Receptacles



Documents & Resources

Drawings

[Drawing 901471212_sd.pdf](#)

3D Models and Design Files

[3D Model 901471212_stp.zip](#)

Specifications

[Application Specification 713080001-AS-000.pdf](#)

[Application Specification 901190001-AS-000.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 ED/71/2019 (16 July 2019)
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, 12 Circuits, Gold (Au) Plating
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Family	C-Grid Connector Products
Product Name	C-Grid III
UPC	800753674134

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	100
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	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	1.024/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	0.381µm
Plating min - Termination	3.048µm
Polarized to PCB	No
Temperature Range - Operating	-55° to +125°C
Termination Interface Style	Through Hole

Solder Process Data

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

Mates With / Use With

Mates with Part(s)

Description	Part Number
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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>