



Part Number : 901512116

Series Number : 90151

Product Category : PCB Headers and Receptacles

Product Description : C-Grid III PC Board Connector, Dual Row, Vertical, 16 Circuits, Tin (Sn) Plating

Status : Active

Documents & Resources

Drawings

Drawing 901512116_sd.pdf

Packaging Design Drawing PK-90151-001-001.pdf

3D Models and Design Files

3D Model 901512116_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	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)4144-DC (27 June 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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	90151
Description	C-Grid III PC Board Connector, Dual Row, Vertical, 16 Circuits, Tin (Sn) Plating
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Family	C-Grid and C-Grid III Connector Products
Product Name	C-Grid
UPC	800753671751

Agency

UL	E29179
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Electrical

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

Physical

Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Black
Flammability	94HB
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	1.384/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tube
PC Tail Length	2.90mm
PCB Locator	No
PCB Retention	None
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 +125°C
Termination Interface Style	Through Hole

Solder Process Data

Lead-Free Process Capability	WAVE
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Mates With / Use With

Mates with Part(s)

Description	Part Number
C-Grid III Right-Angle Dual Row Headers	<u>90122</u>
C-Grid III Vertical Dual Row Headers	<u>90131</u>