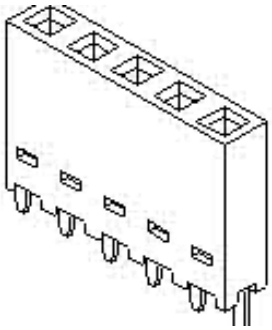
molex



Part Number : 901471310
Product Description : C-Grid III PC Board Connector, Single Row, Vertical, 10 Circuits, Gold (Au) Plating
Series Number : 90147
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

901471310_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

713080001-AS-000.pdf

901190001-AS-000.pdf

PS-99020-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
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 ED/71/2019 (16 July 2019)
EU RoHS	Compliant per EU 2015/863

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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, 10 Circuits, Gold (Au) Plating
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	C-Grid III
UPC	800753672710

Agency

CSA	LR19980
UL	E29179

Electrical

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

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Physical

Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	No
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	0.854/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	0.762µm
Plating min - Termination	3.048µm
Polarized to PCB	No
Temperature Range - Operating	-55° to +125°C
Termination Interface Style	Through Hole

Solder Process Data

Lead-Free Process Capability	WAVE

Mates With / Use With

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Mates with Part(s)

Description	Part Number
C-Grid III Vertical Single Row Headers	90120
C-Grid III Right-Angle Single Row Headers	90121

Use with Part(s)

Description	Part Number
C-Grid III Vertical Single Row Headers	90120
C-Grid III Right-Angle Single Row Headers	90121

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