molex



Part Number : 10181120
Product Description : 2.36mm Diameter Standard .093" Pin and Socket Header, Shrouded, 12 Circuits, 12 Male Terminals
Series Number : 3099
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Number : A30991201

Documents & Resources

Drawings

010181120_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

PK-3099-002-001.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)6225-DC (07 Nov 2024)
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	3099
Description	2.36mm Diameter Standard .093" Pin and Socket Header, Shrouded, 12 Circuits, 12 Male Terminals
Application	Power, Wire-to-Board
Comments	Solder Type, Round Pin
Component Type	PCB Header
Product Name	Standard .093"
UPC	800754215756

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	5.0A
Voltage - Maximum	250V

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	4.560/g
Number of Rows	3
Orientation	Vertical
Packaging Type	Bag
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
PC Tail Length	4.32mm
Pitch - Mating Interface	5.03mm
Plating min - Mating	5.080µm
Plating min - Termination	5.080µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number

2.36mm Diameter Standard .093" Pin and Socket Receptacle Housing, 12 Circuits, 3 Rows, Natural	03091125
2.36mm Diameter Standard .093" Pin and Socket Receptacle Housing, 12 Circuits, 3 Rows, Natural	03091126