molex

Part Number : 10181041
Product Description : 2.36mm Diameter Standard .093" Pin and Socket Header, Shrouded, 4 Circuits, 4 Male Terminals
Series Number : 3099
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Number : A-3099P-4

Documents & Resources

Drawings

010181041_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(2025)4165-DC (25 June 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

UKCA - Declaration of Conformity

CE - Declaration of Conformity

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	3099
Description	2.36mm Diameter Standard .093" Pin and Socket Header, Shrouded, 4 Circuits, 4 Male Terminals
Application	Power, Wire-to-Board
Comments	Solder Type, Round Pin
Component Type	PCB Header
Product Name	Standard .093"
UPC	800753611696

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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	1.641/g
Number of Rows	1
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

Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE

Max-Cycle	1
Max-Temp	235

Mates With / Use With

Mates with Part(s)

Description	Part Number
Standard .093" Pin and Socket Dual Row Connector Housings	1261
Standard .093" Pin and Socket 3 Row Connector Housings	1292
Standard .093" Pin and Socket 3 Row Connector Housings	1360
Standard .093" Pin and Socket 3 Row Connector Housings	1375
Standard .093" Pin and Socket Single Row Connector Housings	1396
Standard .093" Pin and Socket Single Row Connector Housings	1490

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