



Part Number : 10181050

Series Number : 3099

Product Category : PCB Headers and Receptacles

Product Description : 2.36mm Diameter Standard .093" Pin and Socket Header, Shrouded, 4 Circuits, 2 Female Terminals, 2 Male Terminals

Status : Active

Engineering Number : 3099P04K

Documents & Resources

Drawings

Drawing 010181050_sd.pdf

3D Models and Design Files

3D Model 010181050_stp.zip

Specifications

Packaging Specification PK-3099-002-001.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	3099
Description	2.36mm Diameter Standard .093" Pin and Socket Header, Shrouded, 4 Circuits, 2 Female Terminals, 2 Male Terminals
Application	Power, Wire-to-Board
Comments	Solder Type, Round Pin/Socket
Component Type	PCB Header
Product Family	Standard .093" Pin and Socket Connectors
Product Name	Standard .093"
UPC	800754215541

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
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
PC Tail Length	4.32mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	5.03mm
Plating min - Mating	1.270µm, 5.080µm
Plating min - Termination	1.270µm, 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, 4 Circuits, Single Row, Natural	<u>03091041</u>
2.36mm Diameter Standard .093" Pin and Socket Receptacle Housing, 4 Circuits, Single Row, Natural	<u>03091042</u>

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