Part Number : 5044491407
Product Description : 1.00mm Pitch, Pico-Clasp PCB Header, Single Row, Vertical, Surface Mount, 0.10µm Gold Plated, Inner Positive Lock, 14 Circuits, Natural
Series Number : 504449
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

5044491407_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

5044491407.dxf

Specifications

5013300000-AS-000.pdf

SPK-504449-001-001.pdf

5013300000-PS-002.pdf

5013301000-PS-002.pdf

5013301000-PS-CHI-002.pdf

5013301000-PS-JAP-002.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC

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	61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
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	504449
Description	1.00mm Pitch, Pico-Clasp PCB Header, Single Row, Vertical, Surface Mount, 0.10µm Gold Plated, Inner Positive Lock, 14 Circuits, Natural
Application	Wire-to-Board
Component Type	PCB Header
Product Name	Pico-Clasp
UPC	887191267395

Electrical

Current - Maximum per Contact	1.0A
Voltage - Maximum	100V AC (RMS)/DC

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Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Gender	Male
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Polyamide (PA)
Net Weight	270.100/mg
Number of Rows	1
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	1.00mm
Pitch - Termination Interface	1.00mm
Plating min - Mating	0.102µm
Plating min - Termination	0.102µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Robotic Placement	Vacuum Pick-Up Tape
Shrouded	Shrouded
Stackable	No
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Surface Mount

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Mates With / Use With

Mates with Part(s)

Description	Part Number
Pico-Clasp Low-Halogen Single Row Receptacle Housings	501330

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