Part Number : 2083810603
Product Description : 1.00mm Pitch, Pico-Clasp Low-Halogen PCB Header, Single Row, Vertical, Surface Mount, 0.76µm Gold (Au) Plating, Inner Positive Lock, 6 Circuits, Natural
Series Number : 208381
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

2083810603_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

2083810603.dxf

Specifications

5013300000-AS-001.pdf

2083819200-SPK-200.pdf

5013300000-PS-004.pdf

5013301000-PS-004.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	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
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	208381
Description	1.00mm Pitch, Pico-Clasp Low-Halogen PCB Header, Single Row, Vertical, Surface Mount, 0.76µm Gold (Au) Plating, Inner Positive Lock, 6 Circuits, Natural
Application	Wire-to-Board
Component Type	PCB Header
Product Name	Pico-Clasp
UPC	193264289974

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6

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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	147.990/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	0.760µm
Plating min - Termination	0.051µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Shrouded
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

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

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