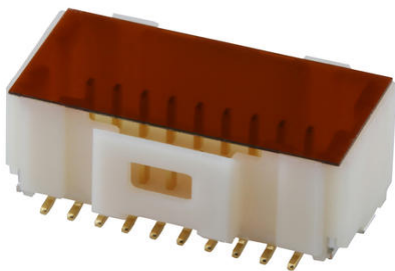




Part Number : [2083912003](#)
Product Description : 1.00mm Pitch, Pico-Clasp
Low-Halogen PCB Header, Dual Row, Vertical, Surface
Mount, 0.76µm Gold Plated, Inner Positive Lock, 20
Circuits, Natural
Series Number : 208391
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

[2083912003 sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[2083912003.dxf](#)

Specifications

[5011890000-AS-001.pdf](#)

[2083919200-SPK-200.pdf](#)

[5011890000-PS-002.pdf](#)

[5011891000-PS-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	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)6375-DC (05 Nov 2025)

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	208391
Description	1.00mm Pitch, Pico-Clasp Low-Halogen PCB Header, Dual Row, Vertical, Surface Mount, 0.76µm Gold Plated, Inner Positive Lock, 20 Circuits, Natural
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Name	Pico-Clasp
UPC	193264193554

Electrical

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

Physical

Breakaway	No
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Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Polyamide
Net Weight	315.550/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	1.00mm
Plating min - Mating	0.760µm
Plating min - Termination	0.102µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
Pico-Clasp Low-Halogen Dual Row Receptacle Housings	<u>501189</u>

This document was generated on Feb 27, 2026