



**Part Number :** [5013311007](#)

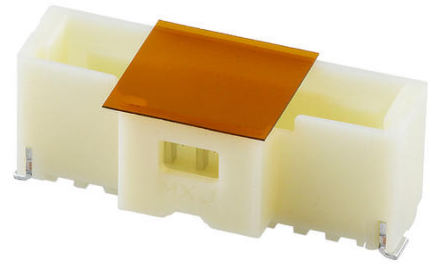
**Product Description :** 1.00mm Pitch, Pico-Clasp PCB Header, Single Row, Vertical, Surface Mount, Tin Plated, Inner Positive Lock, 10 Circuits, Natural

**Series Number :** 501331

**Status :** Active

**Product Category :** PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[5013311007\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[5013311007.dxf](#)

### Specifications

[5013300000-AS-000.pdf](#)

[SPK-501331-001-001.pdf](#)

[5013300000-PS-001.pdf](#)

[5013301000-PS-001.pdf](#)

[5013301000-PS-CHI-001.pdf](#)

[PS-501331-001-001.pdf](#)

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## 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                                                                                   |

|            |                                                    |
|------------|----------------------------------------------------|
|            | 61249-2-21                                         |
| REACH SVHC | Not Contained per D(2025)4165-DC<br>(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

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**Part Details**

**General**

|                |                                                                                                                                 |
|----------------|---------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                          |
| Category       | PCB Headers and Receptacles                                                                                                     |
| Series         | 501331                                                                                                                          |
| Description    | 1.00mm Pitch, Pico-Clasp PCB Header, Single Row, Vertical, Surface Mount, Tin Plated, Inner Positive Lock, 10 Circuits, Natural |
| Application    | Signal, Wire-to-Board                                                                                                           |
| Component Type | PCB Header                                                                                                                      |
| Product Name   | Pico-Clasp                                                                                                                      |
| UPC            | 822348542833                                                                                                                    |

**Agency**

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

**Electrical**

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

## Physical

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 10                    |
| Circuits (maximum)             | 10                    |
| Color - Resin                  | Natural               |
| Durability (mating cycles max) | 30                    |
| First Mate / Last Break        | No                    |
| Glow-Wire Capable              | No                    |
| Lock to Mating Part            | Yes                   |
| Material - Metal               | Phosphor Bronze       |
| Material - Plating Mating      | Tin                   |
| Material - Plating Termination | Tin                   |
| Material - Resin               | Nylon                 |
| Net Weight                     | 203.954/mg            |
| Number of Rows                 | 1                     |
| Orientation                    | Vertical              |
| Packaging Type                 | Embossed Tape on Reel |
| PCB Locator                    | No                    |
| PCB Retention                  | Yes                   |
| Pitch - Mating Interface       | 1.00mm                |
| Plating min - Termination      | 1.000µm               |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | No                    |
| Robotic Placement              | Vacuum Pick-Up Tape   |
| Shrouded                       | Fully                 |
| Stackable                      | No                    |
| Temperature Range - Operating  | -40° to +105°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<br>Receptacle Housings | <u>501330</u> |