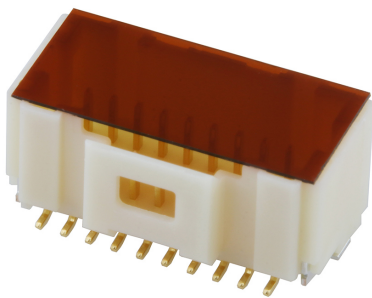




**Part Number :** [5011904017](#)  
**Product Description :** 1.00mm Pitch, Pico-Clasp PCB Header, Dual Row, Vertical, Surface Mount, 0.10µm Gold Plated, Inner Positive Lock, 40 Circuits, Natural  
**Series Number :** 501190  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

**Drawings**  
[5011904017\\_sd.pdf](#)

**3D Models and Design Files**  
[5011904017.dxf](#)  
[5011904017.pdf](#)  
[5011904017\\_stp.zip](#)

**Specifications**  
[5011890000-AS-000.pdf](#)  
[SPK-501190-001-001.pdf](#)  
[5011890000-PS-001.pdf](#)  
[5011891000-PS-001.pdf](#)  
[5011891000-PS-CHI-001.pdf](#)  
[5011891000-PS-JAP-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)6225-DC (07 Nov 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

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### Part Details

#### General

|                |                                                                                                                                       |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                |
| Category       | PCB Headers and Receptacles                                                                                                           |
| Series         | 501190                                                                                                                                |
| Description    | 1.00mm Pitch, Pico-Clasp PCB Header, Dual Row, Vertical, Surface Mount, 0.10µm Gold Plated, Inner Positive Lock, 40 Circuits, Natural |
| Application    | Signal, Wire-to-Board                                                                                                                 |
| Comments       | With Pick-and-Place Tape                                                                                                              |
| Component Type | PCB Header                                                                                                                            |
| Product Name   | Pico-Clasp                                                                                                                            |
| UPC            | 822348790180                                                                                                                          |

#### Agency

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

#### Electrical

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

#### Physical

|                   |    |
|-------------------|----|
| Breakaway         | No |
| Circuits (Loaded) | 40 |

|                                |                       |
|--------------------------------|-----------------------|
| Circuits (maximum)             | 40                    |
| Color - Resin                  | Natural               |
| Durability (mating cycles max) | 30                    |
| First Mate / Last Break        | No                    |
| Flammability                   | 94V-0                 |
| 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               | Nylon                 |
| Net Weight                     | 532.100/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           | 0.102µm               |
| Plating min - Termination      | 0.102µm               |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | Yes                   |
| 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 Dual Row<br>Receptacle Housings | <u>501189</u> |
|--------------------------------------------------------|---------------|

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This document was generated on Feb 27, 2025