**Part Number :** 5019400307
**Product Description :** 1.00mm Pitch, Pico-Clasp PCB Header, Single Row, Vertical, Surface Mount, 1.01µm Tin Plated, Outer Positive Lock, 3 Circuits, Natural
**Series Number :** 501940
**Status :** Active
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

5019400307_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

5019400307.dxf

### Specifications

5013300000-AS-000.pdf

SPK-501940-001-001.pdf

5019401001-PS-001.pdf

5019401001-PS-CHI-001.pdf

5019401001-PS-JAP-001.pdf

5019401001-PS-KOR-001.pdf

5019401001-PS-SPA-001.pdf

PS-501940-001-001.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 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (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 | 501940 |
| Description | 1.00mm Pitch, Pico-Clasp PCB Header, Single Row, Vertical, Surface Mount, 1.01µm Tin Plated, Outer Positive Lock, 3 Circuits, Natural |
| Application | Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | Pico-Clasp |
| UPC | 822350287050 |

### Agency

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

**Electrical**

| | |
|---|---|
| Current - Maximum per Contact | 1.5A |
| Voltage - Maximum | 100V AC (RMS)/DC |

**Physical**

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 3 |
| Circuits (maximum) | 3 |
| 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 | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 104.600/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 - Mating | 1.016µm |
| Plating min - Termination | 1.016µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | No |
| Shrouded | Fully |
| 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 |
|---|---|
| 1.00mm Pitch, Pico-Clasp Low-Halogen Single Row Receptacle Housings | 501939 |