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**Part Number:** [5011904027](#)  
**Status:** **Active**  
**Overview:** Pico-Clasp Wire-to-Board Connectors  
**Description:** 1.00mm Pitch, Pico-Clasp PCB Header, Dual Row, Vertical, Surface Mount, 0.10µm Gold Plated, Inner Positive Lock, 40 Circuits

**Documents:**

|                                |   |
|--------------------------------|---|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-501190-004-001 (PDF)</a>     |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Application Specification 5011890000-AS-000 (PDF)</a> |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |

**Agency Certification**

UL E29179

**General**

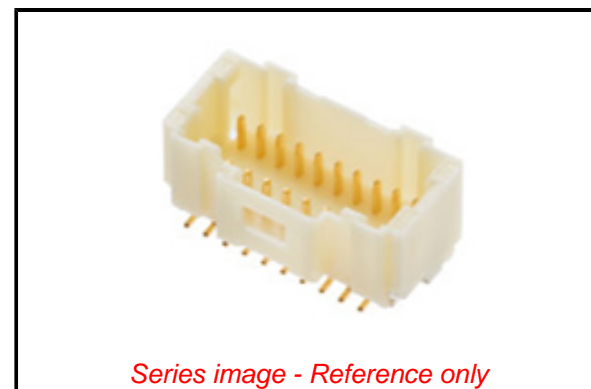
|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">501190</a>                              |
| Application    | Signal, Wire-to-Board                               |
| Comments       | Without Pick-and-Place Tape                         |
| Overview       | <a href="#">Pico-Clasp Wire-to-Board Connectors</a> |
| Product Name   | Pico-Clasp  |
| UPC            | 822350003629  |

**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              |
| PCB Locator                    | No                    |
| PCB Retention                  | Yes                   |
| Packaging Type                 | Embossed Tape on Reel |
| Pitch - Mating Interface       | 1.00mm                |
| Plating min - Mating           | 0.102µm               |
| Plating min - Termination      | 0.102µm               |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | Yes                   |
| Stackable                      | No                    |
| Temperature Range - Operating  | -40° to +105°C        |
| Termination Interface: Style   | Surface Mount         |

**Electrical**

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 1.0A            |
| Voltage - Maximum             | 50V AC (RMS)/DC |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[501190 Series](#)

**Mates With**

[Pico-Clasp Female Housing 501189](#)

**Material Info**

**Reference - Drawing Numbers**

Application Specification  
Product Specification  
Sales Drawing

5011890000-AS-000  
PS-501190-004-001  
SD-501190-003-001, SD-501190-003-002,  
SD-501190-004-001, SD-501190-004-002,  
SD-501190-004-003

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