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**Part Number:** [5013311007](#)  
**Status:** **Active**  
**Overview:** Pico-Clasp Wire-to-Board Connectors  
**Description:** 1.00mm Pitch, Pico-Clasp PCB Header, Single Row, Vertical, Surface Mount, Tin Plated, Inner Positive Lock, 10 Circuits, Natural

**Documents:**

|   |   |
|---|---|
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Product Specification 5013301000-PS-001 (PDF)</a>     |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">Application Specification 5013300000-AS-000 (PDF)</a> |
| <a href="#">3D Model</a>                                      | <a href="#">Packaging Specification SPK-501331-001-001 (PDF)</a>  |
| <a href="#">Product Specification 5013300000-PS-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |



*Series image - Reference only*

**Agency Certification**

UL E29179

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">501331</a>                              |
| Application    | Signal, Wire-to-Board                               |
| Overview       | <a href="#">Pico-Clasp Wire-to-Board Connectors</a> |
| Product Name   | Pico-Clasp  |
| UPC            | 822348542833  |

**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                     | 209.000/mg            |
| Number of Rows                 | 1                     |
| Orientation                    | Vertical              |
| PCB Locator                    | No                    |
| PCB Retention                  | Yes                   |
| Packaging Type                 | Embossed Tape on Reel |
| Pitch - Mating Interface       | 1.00mm                |
| 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         |

**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

**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**

[501331](#) Series

**Mates With**

[501330](#) Pico-Clasp Wire-to-Board Female Housing

Application Specification  
Packaging Specification  
Product Specification  
Sales Drawing

5013300000-AS-000  
SPK-501331-001-001  
5013300000-PS-001, 5013301000-PS-001  
5013310000-SD-000, 5013310612-SD-000

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