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**Part Number:** [5011903017](#)  
**Status:** **Active**  
**Overview:** Pico-Clasp Wire-to-Board Connectors  
**Description:** 1.00mm Pitch Pico-Clasp Wire-to-Board Header, Surface Mount, Dual Row, Vertical, 0.10µm Gold Plated, with Inner Positive Lock, with Pick-and-Place Tape, 30 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 5011890000-A00 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification 5011890000-A01 (PDF)</a>
<a href="#">Product Specification PS-501190-001-001 (PDF)</a>	<a href="#">Packaging Specification SPK-501190-001-001 (PDF)</a>
<a href="#">Product Specification PS-501190-003-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-501190-004-001 (PDF)</a>	

**Agency Certification**

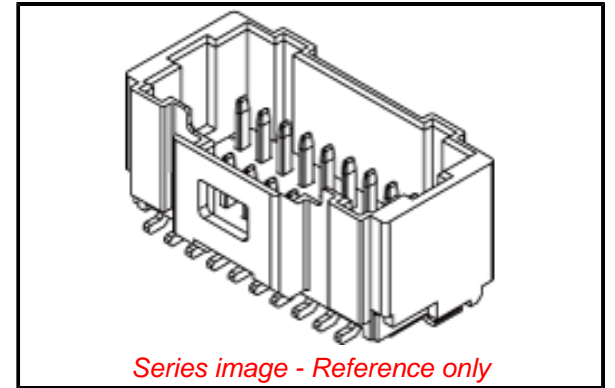
UL E29179

**General**

Product Family	PCB Headers
Series	<a href="#">501190</a>
Application	Signal, Wire-to-Board
Comments	With Pick-and-Place Tape
Overview	<a href="#">Pico-Clasp Wire-to-Board Connectors</a>
Product Name	Pico-Clasp
UPC	822348790197

**Physical**

Breakaway	No
Circuits (Loaded)	30
Circuits (maximum)	30
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	423.800/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
Robotic Placement	Vacuum Pick-Up Tape
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2018 (15  
January 2018)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[501190](#) Series

**Mates With**

Pico-Clasp Female Housing [501189](#)

**Electrical**

Current - Maximum per Contact  
Voltage - Maximum

1.0A  
50V AC (RMS)/DC

**Material Info****Reference - Drawing Numbers**

Application Specification  
Packaging Specification  
Product Specification

5011890000-A00, 5011890000-A01  
SPK-501190-001-001  
PS-501190-001-001, PS-501190-003-001,  
PS-501190-004-001  
SD-501190-003, SD-501190-004

Sales Drawing

This document was generated on 06/22/2018

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