

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [5011902017](#)  
**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, 20 Circuits, Natural

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-501190-003-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-501190-004-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification 5011890000-AS-000 (PDF)</a>
<a href="#">Product Specification 5011890000-PS-001 (PDF)</a>	<a href="#">Packaging Specification SPK-501190-001-001 (PDF)</a>
<a href="#">Product Specification 5011891000-PS-001 (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	With Pick-and-Place Tape
Overview	<a href="#">Pico-Clasp Wire-to-Board Connectors</a>
Product Name	Pico-Clasp
UPC	822348790203

**Physical**

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
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	315.600/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
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount



*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**

[501189 Pico-Clasp Wire-to-Board Female Housing](#)

**Electrical**

Current - Maximum per Contact  
Voltage - Maximum

1.0A  
100V AC (RMS)/DC

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

Application Specification  
Packaging Specification  
Product Specification

5011890000-AS-000  
SPK-501190-001-001  
5011890000-PS-001, 5011891000-PS-001,  
PS-501190-003-001, PS-501190-004-001  
5011900000-SD-000

Sales Drawing

This document was generated on 10/05/2021

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**