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**Part Number:** [5011902017](#)  
**Status:** **Active**  
**Overview:** Pico-Clasp™ Wire-to-Board Connectors  
**Description:** 1.00mm Pitch Pico-Clasp™ Wire-to-Board Header, Surface Mount, Dual Row, Vertical, Gold Plated, with Inner Positive Lock, with Pick-and-Place Tape, 20 Circuits

**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="#">Product Specification 5011890000-A00 (PDF)</a>	<a href="#">Packaging Specification SPK-501190-001-001 (PDF)</a>
<a href="#">Product Specification 5011890000-A01 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-501190-001-001 (PDF)</a>	

**Agency Certification**

UL E29179

**General**

Product Family	PCB Headers
Series	<a href="#">501190</a>
Application	Signal, Wire-to-Board
Overview	<a href="#">Pico-Clasp™ Wire-to-Board Connectors</a>
Product Name	Pico-Clasp™
UPC	822348790203

**Physical**

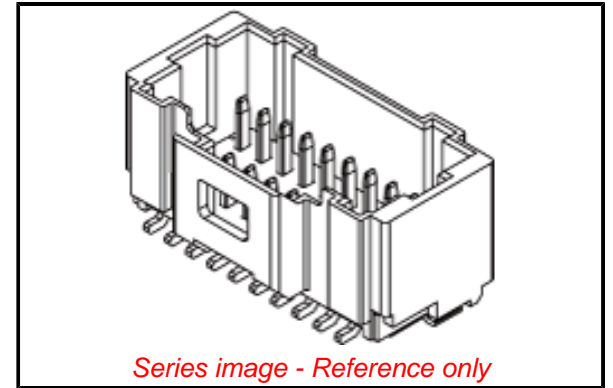
Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Natural
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Nylon
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
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

**Electrical**

Current - Maximum per Contact	1.0A
Voltage - Maximum	50V

**Material Info**

**Reference - Drawing Numbers**



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/30/2017 (7 July  
2017)

**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**

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

Packaging Specification  
Product Specification

Sales Drawing

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

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