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**Part Number:** [5019400407](#)  
**Status:** **Active**  
**Overview:** Pico-Clasp Wire-to-Board Connectors  
**Description:** 1.00mm Pitch, Pico-Clasp PCB Header, Single Row, Vertical, Surface Mount, 1.01µm Tin Plated, Outer Positive Lock, 4 Circuits, Natural

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-501940-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification 5013300000-AS-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification SPK-501940-001-001 (PDF)</a>
<a href="#">Product Specification 5019401001-PS-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



*Series image - Reference only*

**General**

Product Family	PCB Headers
Series	<a href="#">501940</a>
Application	Signal, Wire-to-Board
Overview	<a href="#">Pico-Clasp Wire-to-Board Connectors</a>
Product Name	Pico-Clasp
UPC	822350287043

**Physical**

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
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	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	121.700/mg
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.00mm
Plating min - Mating	1.016µm
Plating min - Termination	1.016µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	1.5A
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**

[501940 Series](#)

**Mates With**

[Pico-Clasp Housing 501939](#)

Application Specification  
Packaging Specification  
Product Specification  
Sales Drawing

5013300000-AS-000  
SPK-501940-001-001  
5019401001-PS-001, PS-501940-001-001  
5019400000-SD-000

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