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Part Number: [5019400503](#)
Status: **Active**
Overview: Pico-Clasp Wire-to-Board Connectors
Description: 1.00mm Pitch, Pico-Clasp PCB Header, Single Row, Vertical, Surface Mount, 0.10µm Gold Plated, with Outer Positive Lock, 5 Circuits, Natural

Documents:

Drawing (PDF)	Product Specification 5019400000-000 (PDF)
3D Model (PDF)	Application Specification 5013300000-AS-000 (PDF)
3D Model	Packaging Specification SPK-501940-001-001 (PDF)
Product Specification 5019390000-PS-001 (PDF)	RoHS Certificate of Compliance (PDF)



General

Product Family	PCB Headers
Series	501940
3D Viewer	Yes
Application	Signal, Wire-to-Board
CURRENT-MAX-NUMERIC	1.0
Overview	Pico-Clasp Wire-to-Board Connectors
PITCH-MATING-NUMERIC	1.00
Product Name	Pico-Clasp
UPC	889056815413

Physical

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
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	Gold
Material - Plating Termination	Gold
Material - Resin	Nylon
Net Weight	136.900/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	0.100µm
Plating min - Termination	0.051µm
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	1.0A
Voltage - Maximum	50V AC (RMS)/DC

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

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](#)

Material Info

Reference - Drawing Numbers

Application Specification	5013300000-AS-000
Packaging Specification	SPK-501940-001-001
Product Specification	5019390000-PS-001, 5019400000-000
Sales Drawing	5019400001-SD-000

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