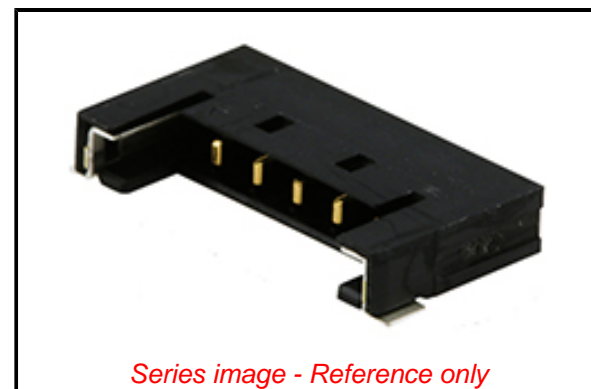


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [5040501291](#)  
**Status:** **Active**  
**Overview:** [Pico-Lock Connector System](#)  
**Description:** 1.50mm Pitch, Pico-Lock PCB Header, Single Row, Right-Angle, Surface Mount, Gold over Nickel Plating, Positive Lock, 12 Circuits, Tape and Reel

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification SPK-504050-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-504051-001-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>
<a href="#">Application Specification AS-504051-001-001 (PDF)</a>	



*Series image - Reference only*

**Agency Certification**

UL E29179

**General**

Product Family	PCB Headers
Series	<a href="#">504050</a>
3D Viewer	Yes
Application	Signal, Wire-to-Board
CURRENT-MAX-NUMERIC	2.0
Overview	<a href="#">Pico-Lock Connector System</a>
PITCH-MATING-NUMERIC	1.50
Product Literature Order No	987650-9061
Product Name	Pico-Lock
UPC	887191541518

**Physical**

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	N/A
Lock to Mating Part	Yes
Mated Height	2.00mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	260.100/mg
Number of Rows	1
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.50mm
Pitch - Termination Interface	1.50mm
Plating min - Mating	0.100µm
Polarized to Mating Part	Yes
Shrouded	Yes
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount

**Electrical**

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

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

**Halogen-Free**

**Status**

**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**

[504050](#) Series

**Mates With**

[504051](#) Pico-Lock Crimp Housing

Current - Maximum per Contact  
Voltage - Maximum

2.0A  
150V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Application Specification

AS-504051-001-001

Packaging Specification

SPK-504050-001-001

Product Specification

PS-504051-001-001

Sales Drawing

5040500000-SD-000, 5040500000-SD-001

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