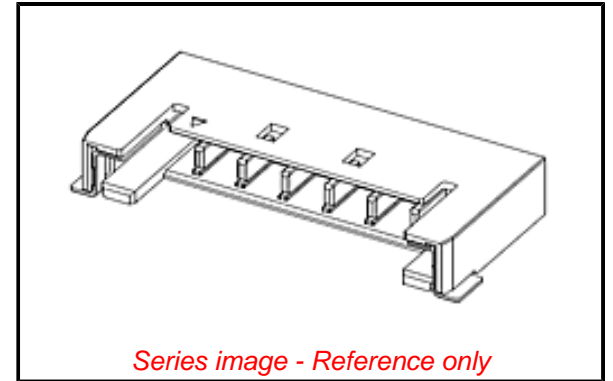


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **5040500591**  
**Status:** **Active**  
**Overview:** Pico-Lock Connector System  
**Description:** 1.50mm Pitch Pico-Lock Surface Mount Wire-to-Board Header, Right Angle, 2.00mm Mated Height, Positive Side Locks, 5 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-504051-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-504051-002-001 (PDF)</a>
<a href="#">Product Specification PS-504051-001-001 (PDF)</a>	<a href="#">Packaging Specification SPK-504050-001-001 (PDF)</a>
<a href="#">Product Specification PS-504051-002-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**General**

Product Family	PCB Headers
Series	<u>504050</u>
Application	Wire-to-Board
Overview	<u>Pico-Lock Connector System</u>
Product Name	Pico-Lock
UPC	889056241885

**Physical**

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
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	143.220/mg
Number of Rows	1
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.50mm
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	2.0A
Voltage - Maximum	150V

**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-504051-001-001, AS-504051-002-001
Packaging Specification	SPK-504050-001-001
Product Specification	PS-504051-001-001, PS-504051-002-001
Sales Drawing	SD-504050-001, SD-504050-002

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2018 (15  
January 2018)

**Halogen-Free**

**Status**

**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**

504050 Series

**Mates With**

504051 Pico-Lock Crimp Housing