

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

**Part Number:** [5040501091](#)  
**Status:** **Active**  
**Overview:** [Pico-Lock Connector System](#)  
**Description:** 1.50mm Pitch, Pico-Lock PCB Header, Single Row, Right-Angle, Surface Mount, Gold (Au) Plating, Positive Lock, 10 Circuits, Tape and Reel

**Documents:**

|   |   |
|---|---|
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Application Specification AS-504051-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">Packaging Specification SPK-504050-001-001 (PDF)</a>  |
| <a href="#">3D Model</a>                                      | <a href="#">Datasheet (PDF)</a>                                   |
| <a href="#">Product Specification 5040511001-PS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |
| <a href="#">Product Specification PS-504051-001-001 (PDF)</a> |   |

**Agency Certification**

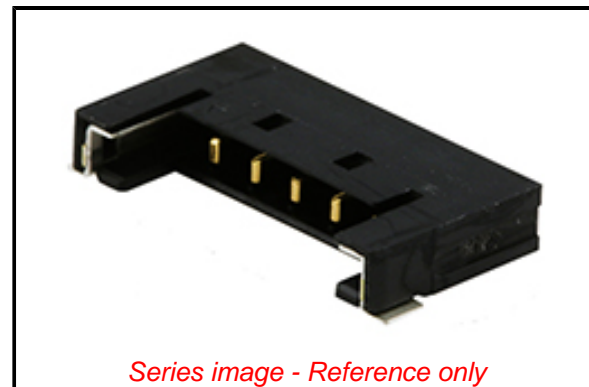
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers                                |
| Series         | <a href="#">504050</a>                     |
| Application    | Signal, Wire-to-Board                      |
| Component Type | PCB Header                                 |
| Overview       | <a href="#">Pico-Lock Connector System</a> |
| Product Name   | Pico-Lock                                  |
| Taxonomy       | PCB Headers and Receptacles                |
| UPC            | 884982939875                               |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 10                             |
| Circuits (maximum)             | 10                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| 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                           |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 226.720/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                  |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**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**

Pico-Lock Crimp Housing [504051](#) <br>Pico-Lock Cable Assembly [15132](#)

**Electrical**

Current - Maximum per Contact

2.0A

Voltage - Maximum

150V AC (RMS)/DC

**Material Info****Reference - Drawing Numbers**

Application Specification

AS-504051-001-001

Packaging Specification

SPK-504050-001-001

Product Specification

5040511001-PS-000, PS-504051-001-001

Sales Drawing

5040500000-SD-000, 5040500000-SD-001

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