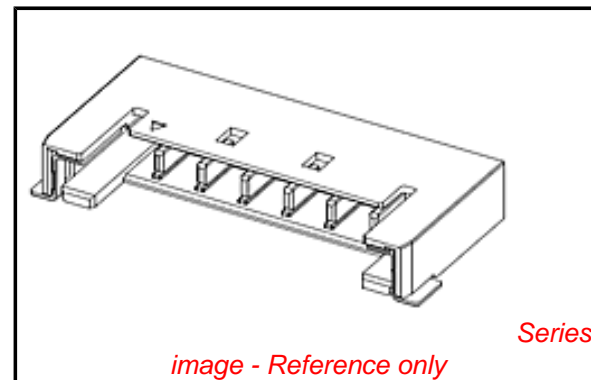


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**Part Number:** [504050-0491](#)  
**Status:** **Active**  
**Overview:** Pico-Lock™ Connector System  
**Description:** 1.50mm Pitch Pico-Lock™ Surface Mount Wire-to-Board Header, Right Angle, 2.00mm Mated Height, Positive Side Locks, 4 Circuits

**Documents:**

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



**Agency Certification**

UL E29179

**General**

|                |                                    |
|----------------|------------------------------------|
| Product Family | PCB Headers                        |
| Series         | <a href="#">504050</a>             |
| Application    | Wire-to-Board                      |
| Overview       | <u>Pico-Lock™ Connector System</u> |
| Product Name   | Pico-Lock™                         |
| UPC            | 887191335353                       |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 4                              |
| Circuits (maximum)             | 4                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| First Mate / Last Break        | No                             |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | N/A                            |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Copper Alloy                   |
| Material - Plating Mating      | Gold over Nickel               |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 126.640/mg                     |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Adhesive Tape on Reel          |
| Pitch - Mating Interface       | 1.50mm                         |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -25°C to +85°C                 |
| Termination Interface: Style   | Surface Mount                  |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 3A   |
| Voltage - Maximum             | 150V |

**Material Info**

**Reference - Drawing Numbers**

|                           |  |
|---------------------------|--|
| Application Specification | AS-504051-001, AS-504051-002                                 |
| Packaging Specification   | SPK-504050-001   |
| Product Specification     | PS-504051-001, PS-504051-002, RPS-504051-002, RPS-504051-003 |

|   |  |
|---|--|
| <b>EU RoHS</b><br><b>ELV and RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br><b>Contains SVHC: No</b><br><b>Low-Halogen Status</b><br><b>Low-Halogen</b> | <b>China RoHS</b><br> |
|---|--|

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[504050Series](#)

**Mates With**

[504051](#) Pico-Lock™ Crimp Housing

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